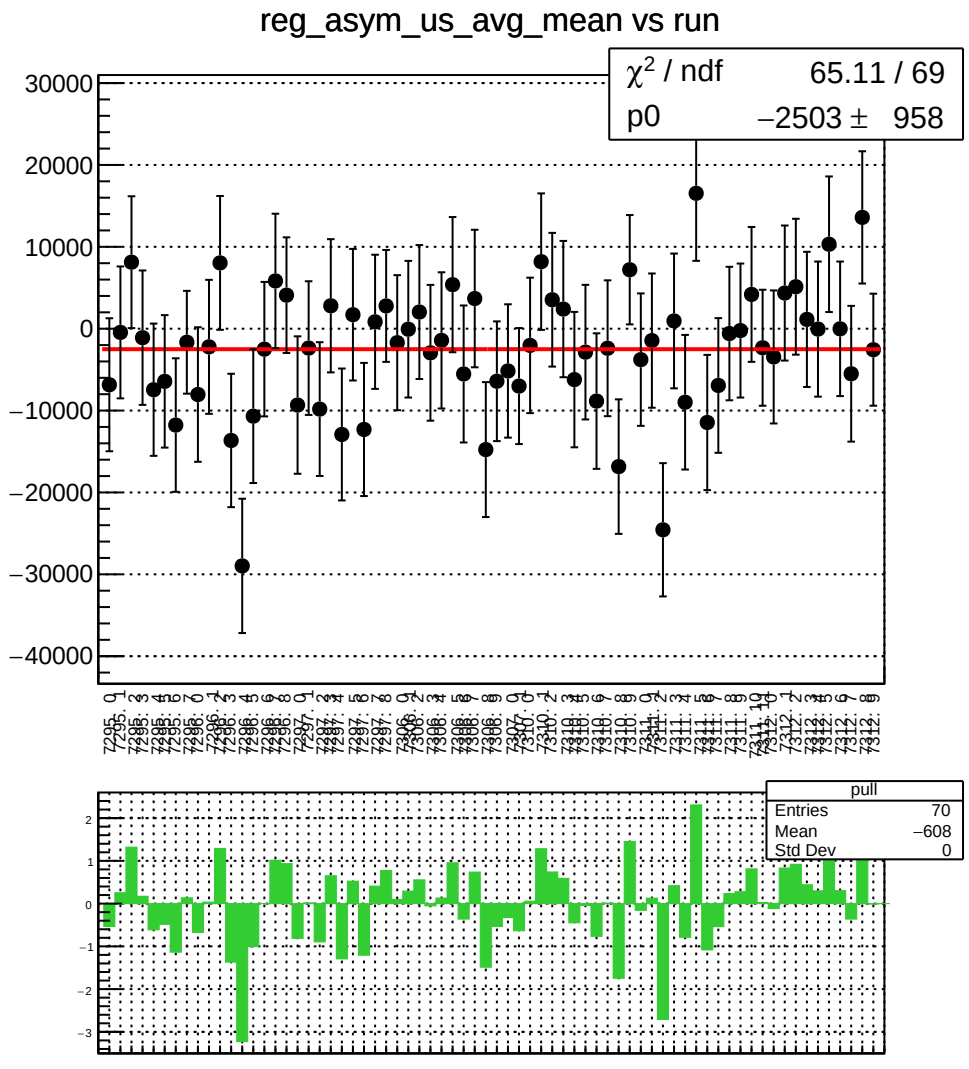
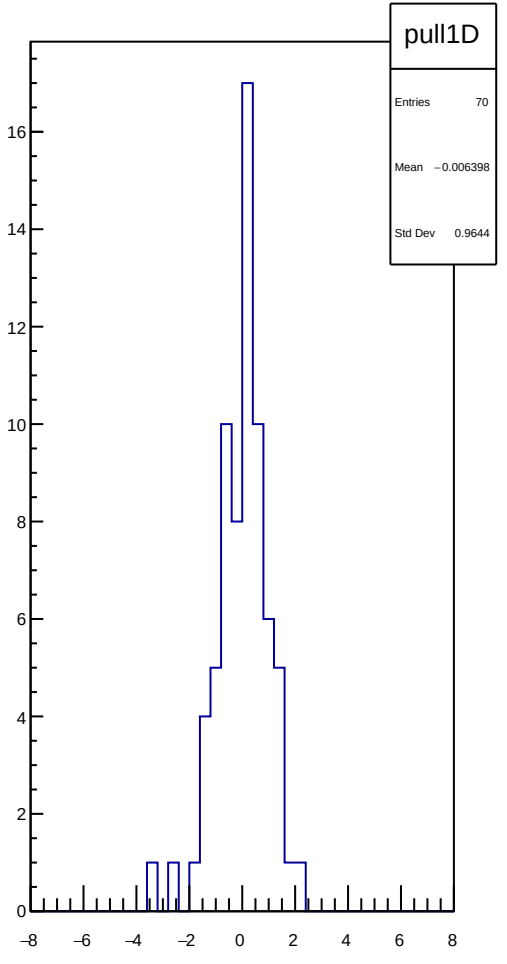
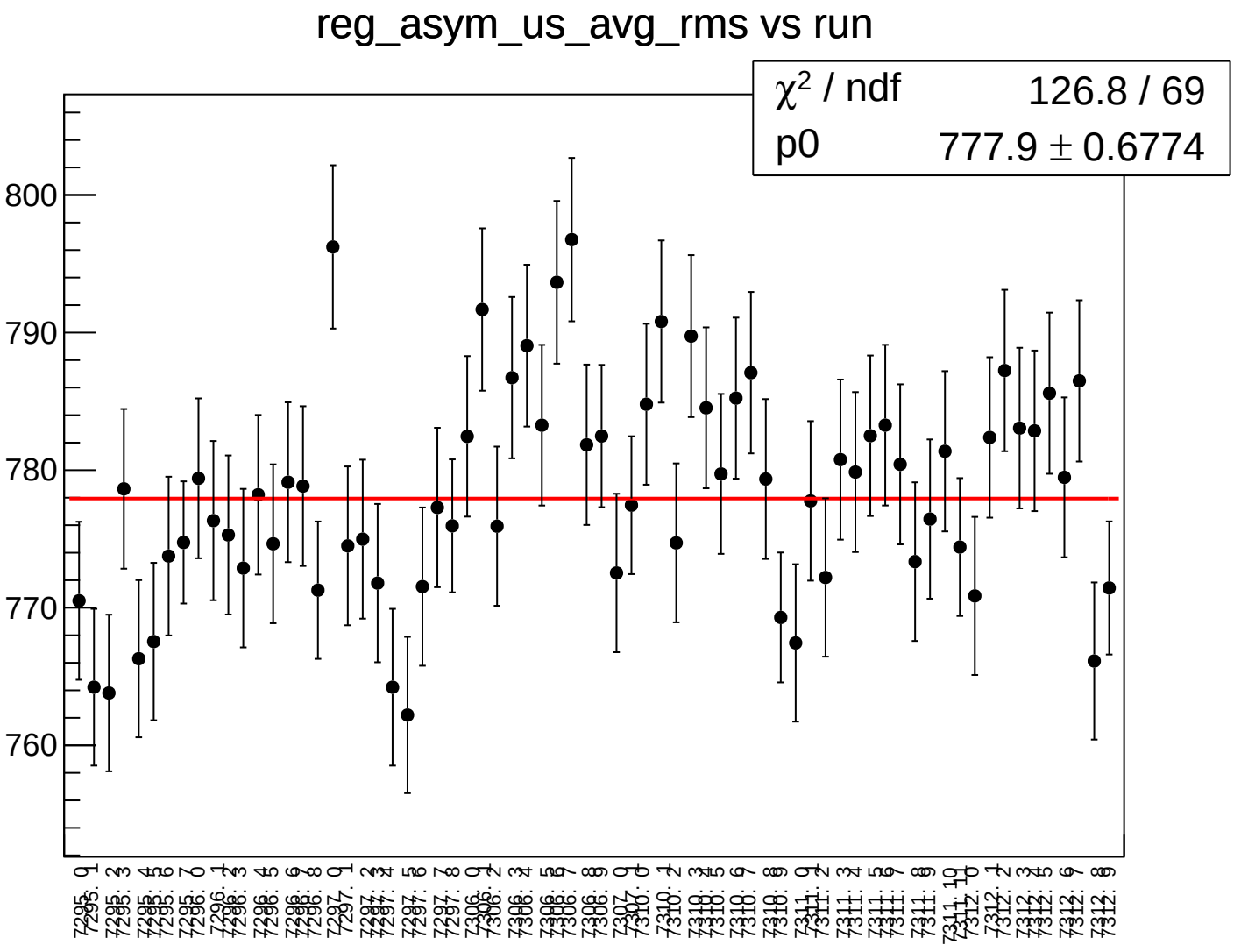
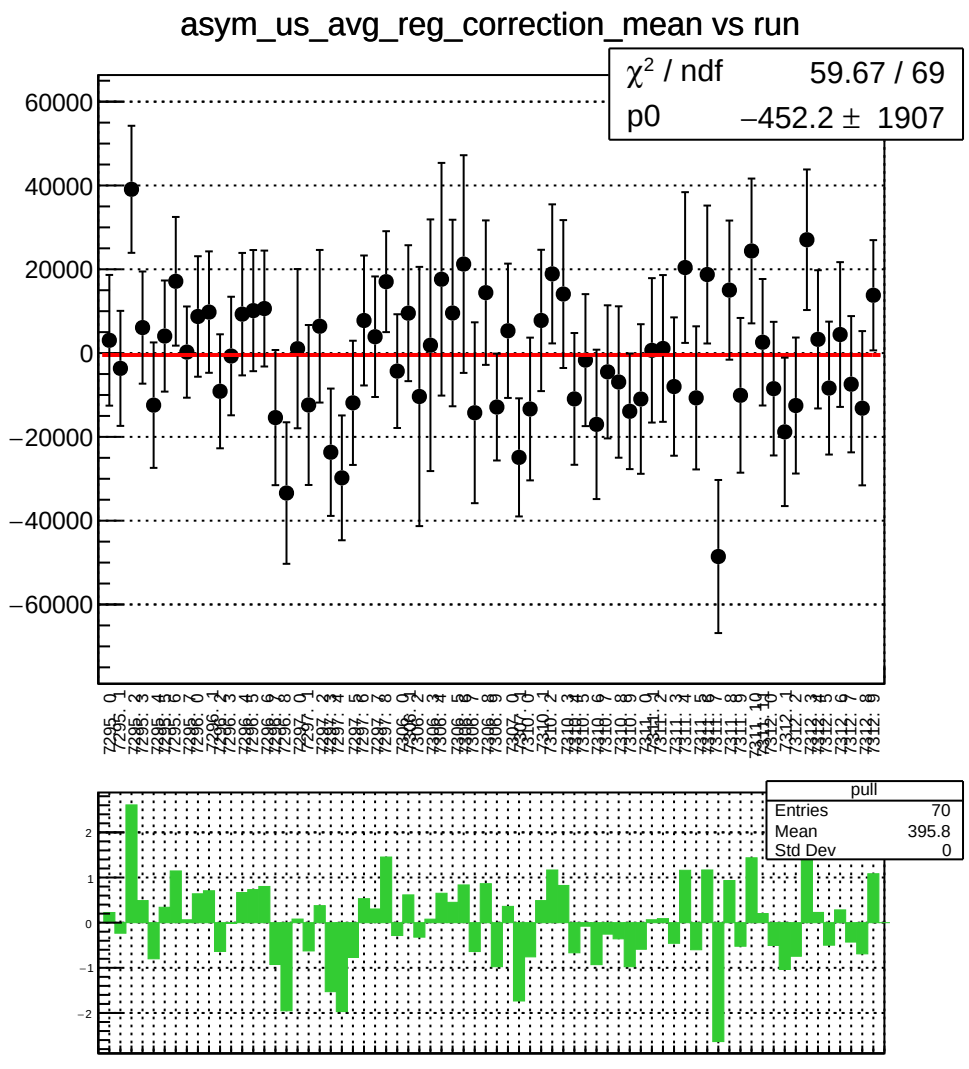
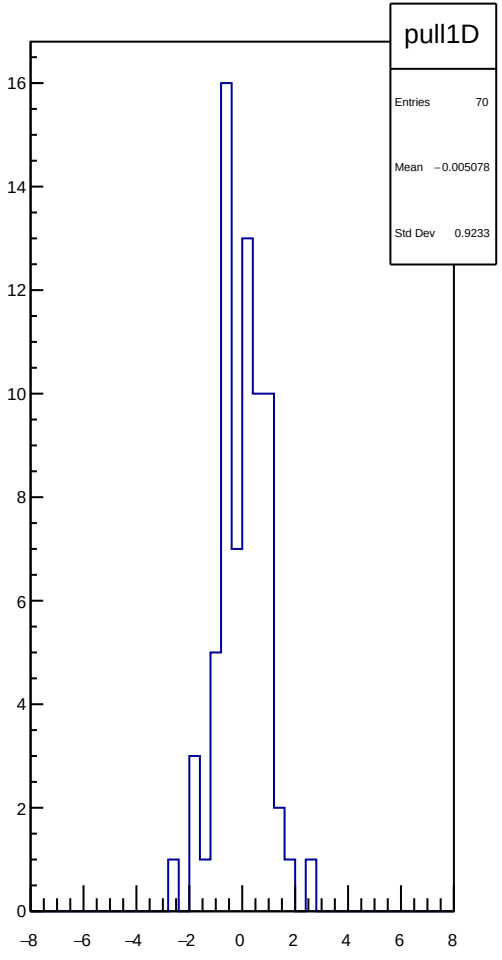
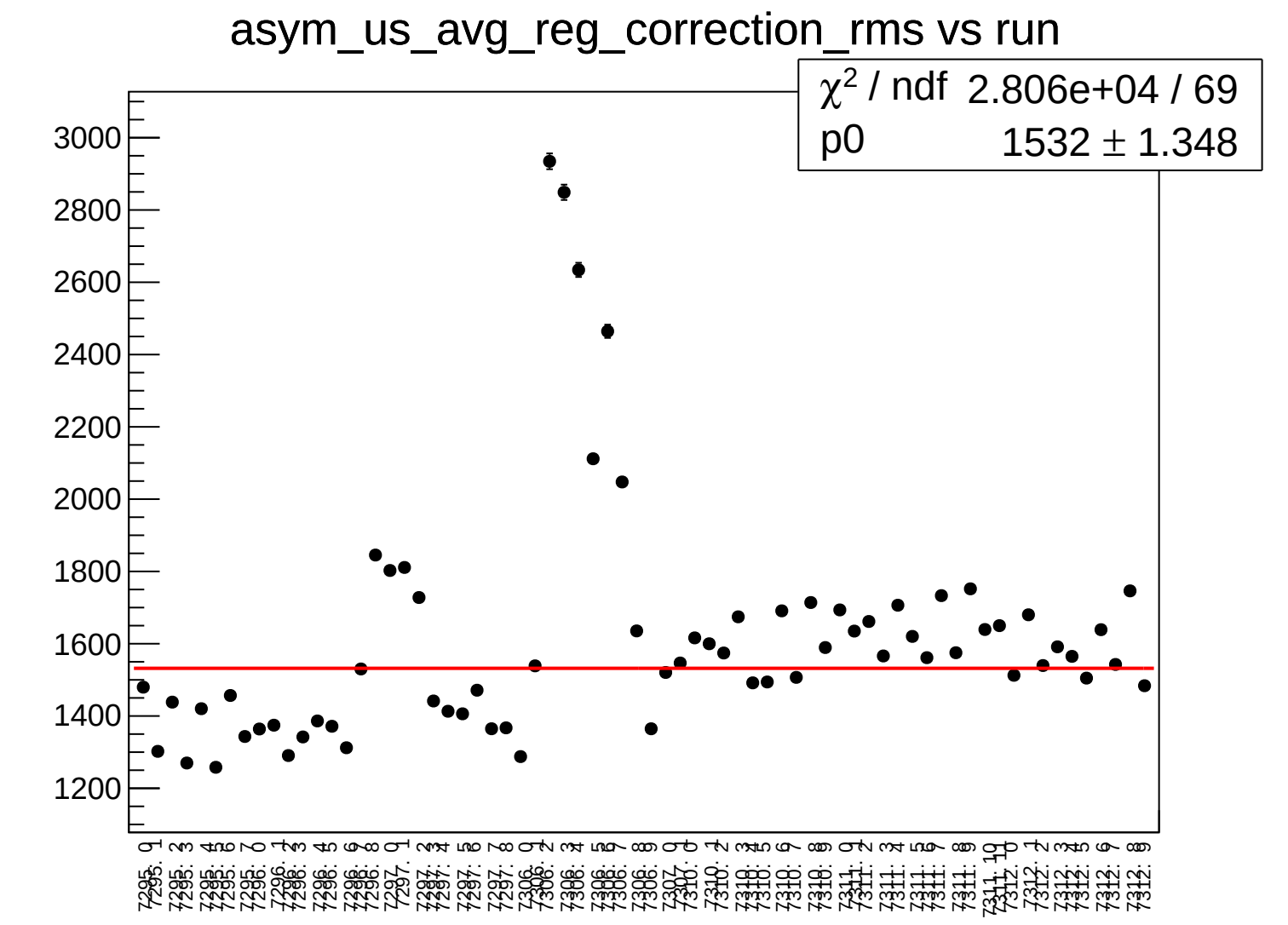

reg_asym_us_avg_mean vs run
χ² / ndf 65.11 / 69
p0 −2503 ± 958
pull
Entries 70
Mean −608
Std Dev 0

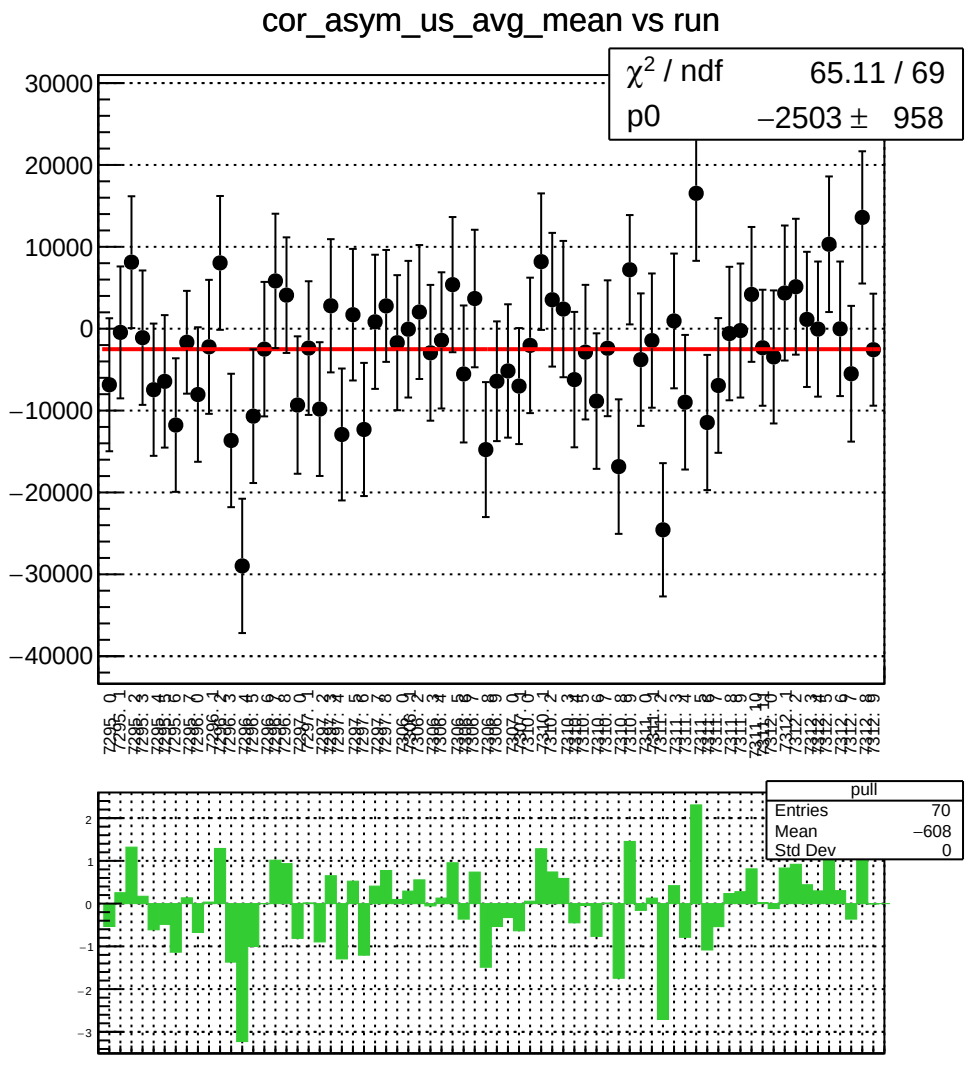

pull1D
Entries 70
Mean −0.006398
Std Dev 0.9644

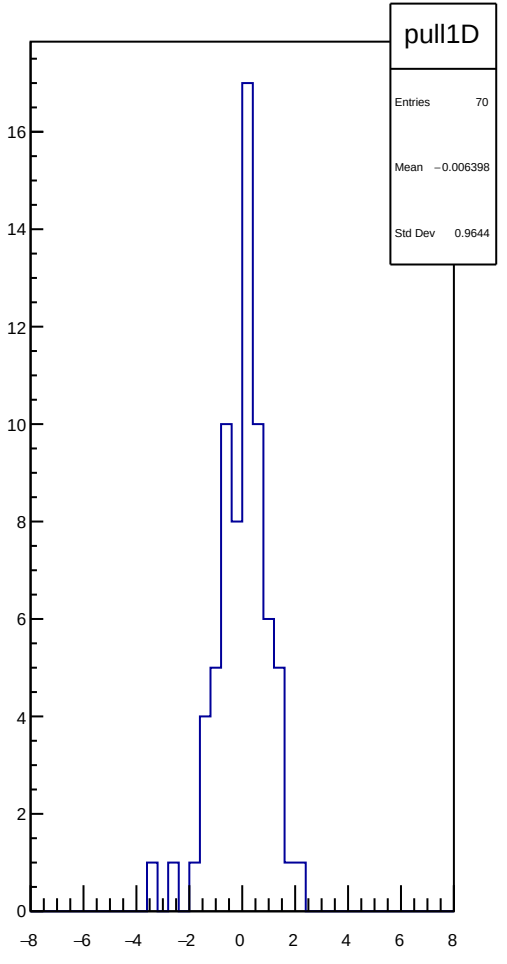

reg_asym_us_avg_rms vs run
χ^2 / ndf 126.8 / 69
p0 777.9 ± 0.6774
800
790
780
770
760

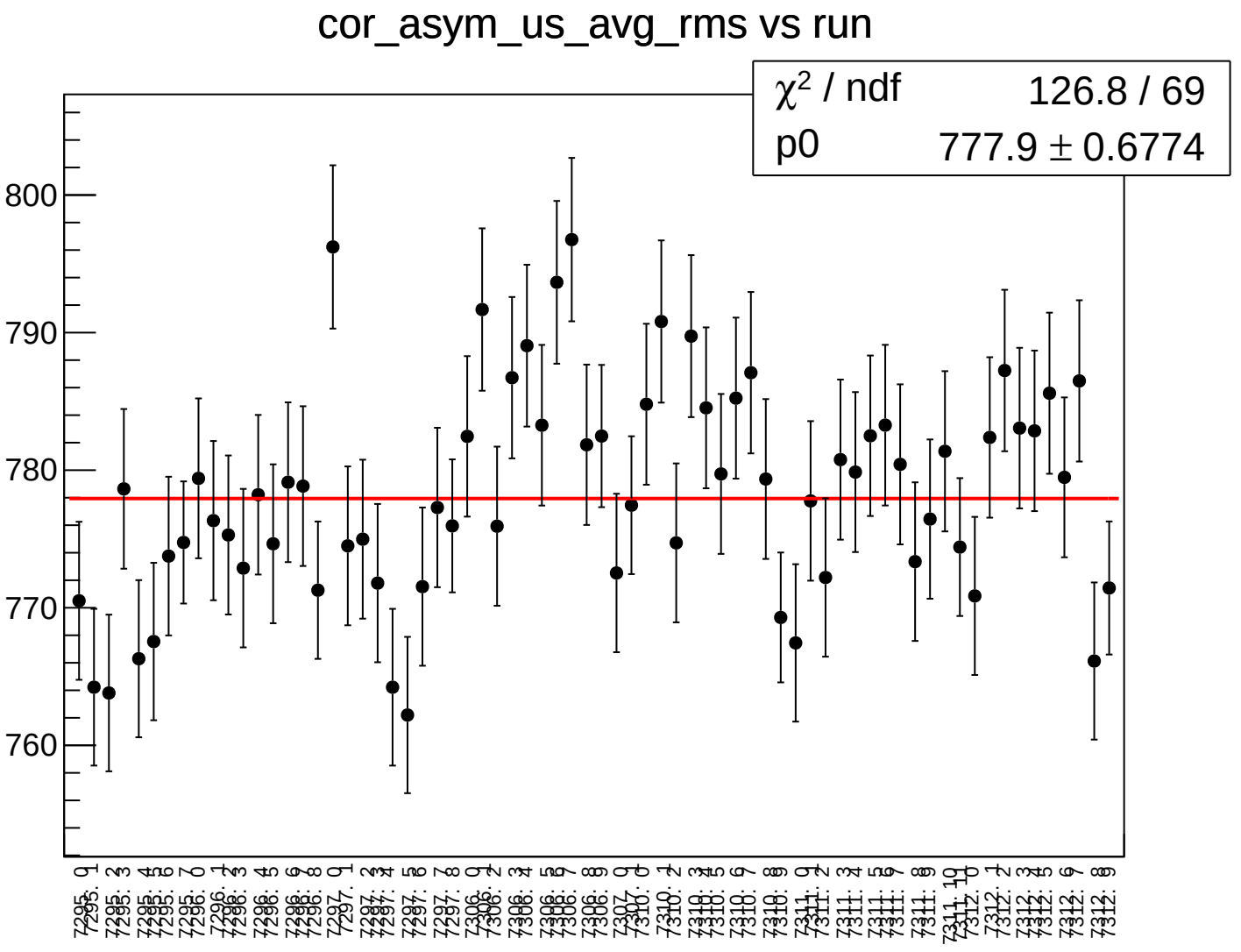

asym_us_avg_reg_correction_mean vs run
χ² / ndf 59.67 / 69
p0 −452.2 ± 1907
pull
Entries 70
Mean 395.8
Std Dev 0

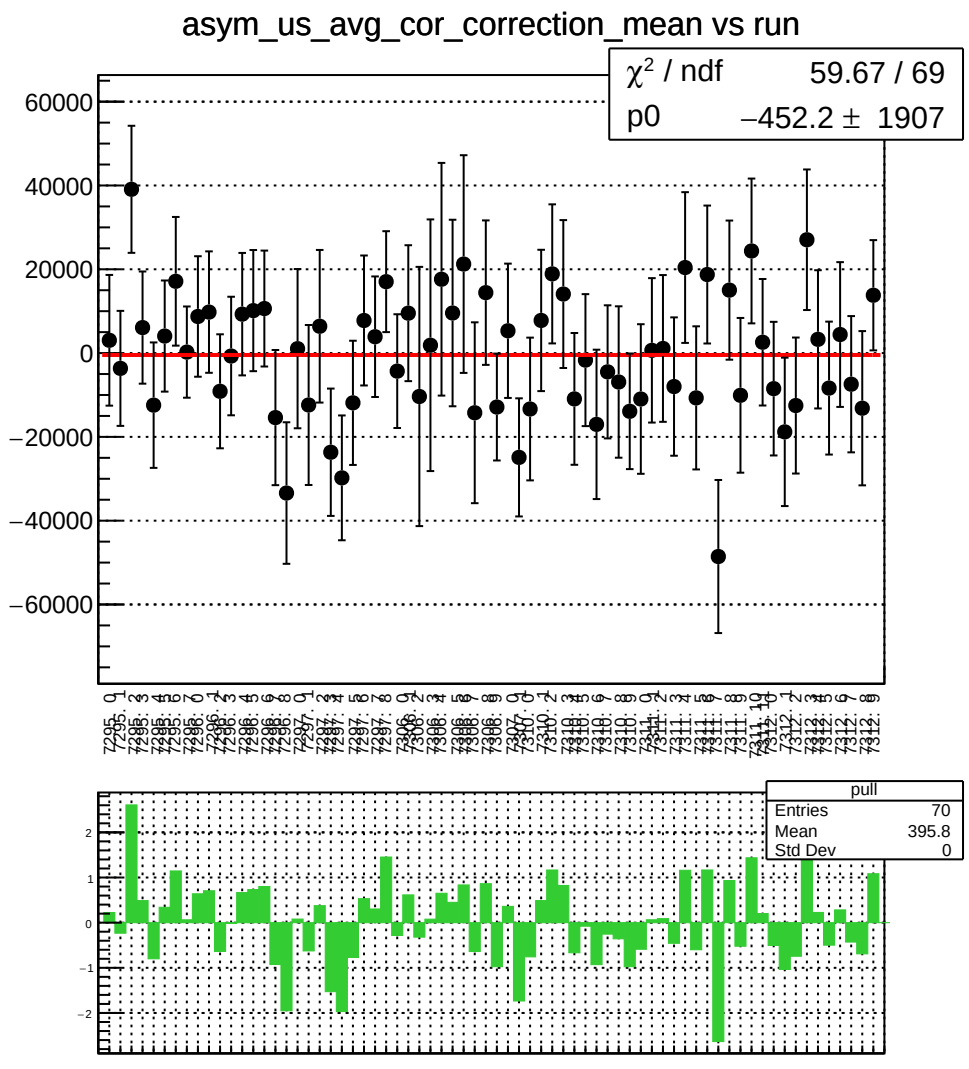

pull1D
Entries 70
Mean −0.005078
Std Dev 0.9233

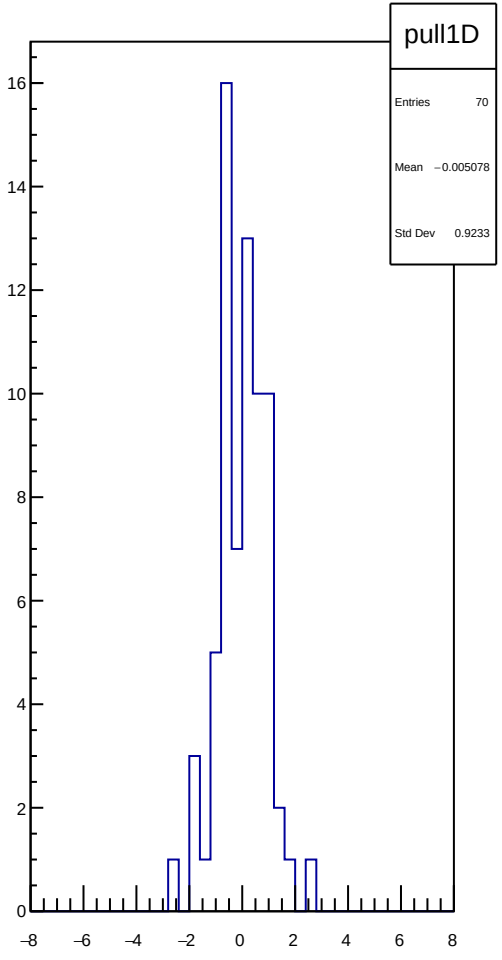

asym_us_avg_reg_correction_rms vs run
χ^2 / ndf 2.806e+04 / 69
p0 1532 ± 1.348
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

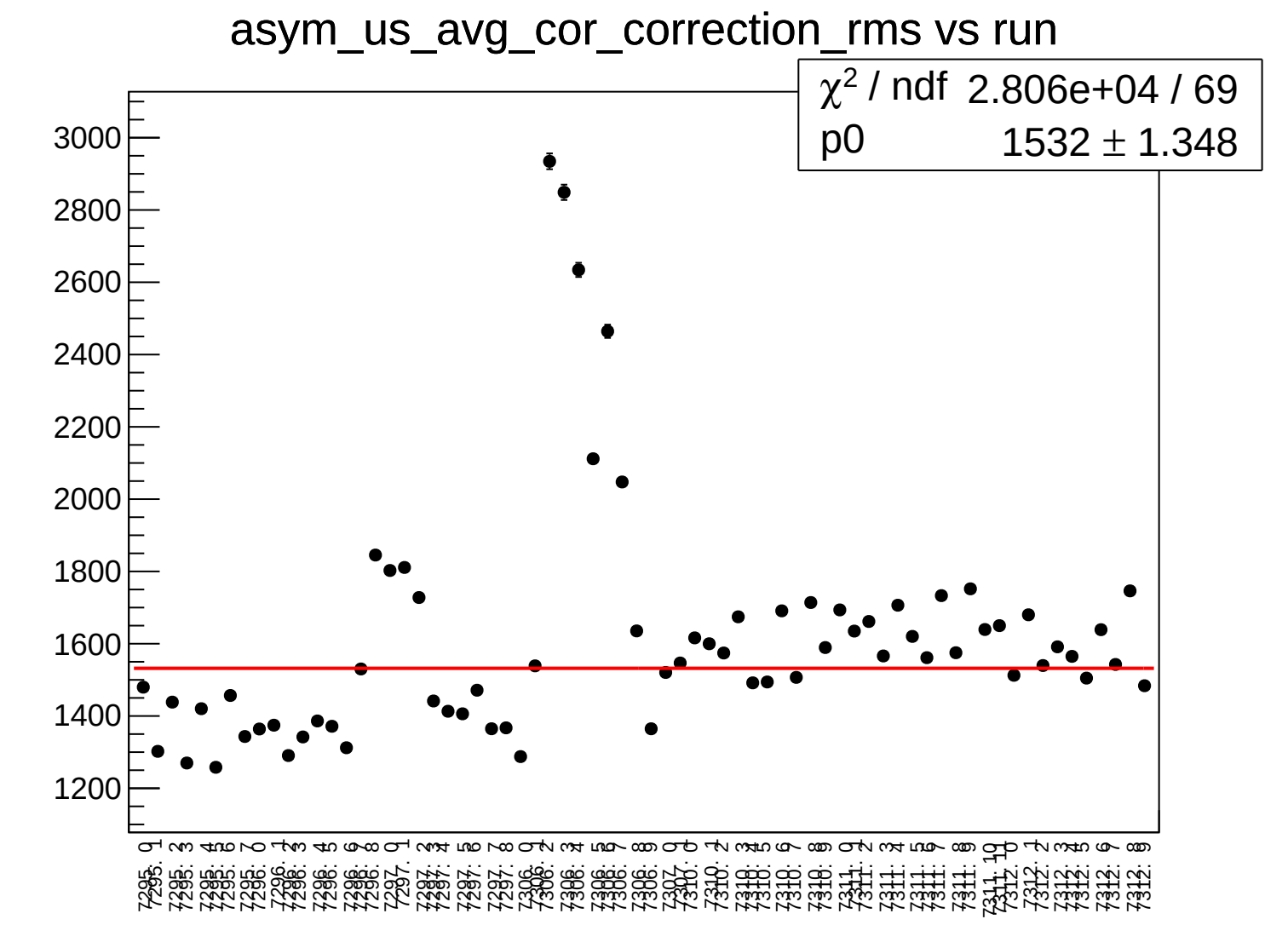

cor_asym_us_avg_mean vs run
χ² / ndf 65.11 / 69
p0 −2503 ± 958
pull
Entries 70
Mean −608
Std Dev 0

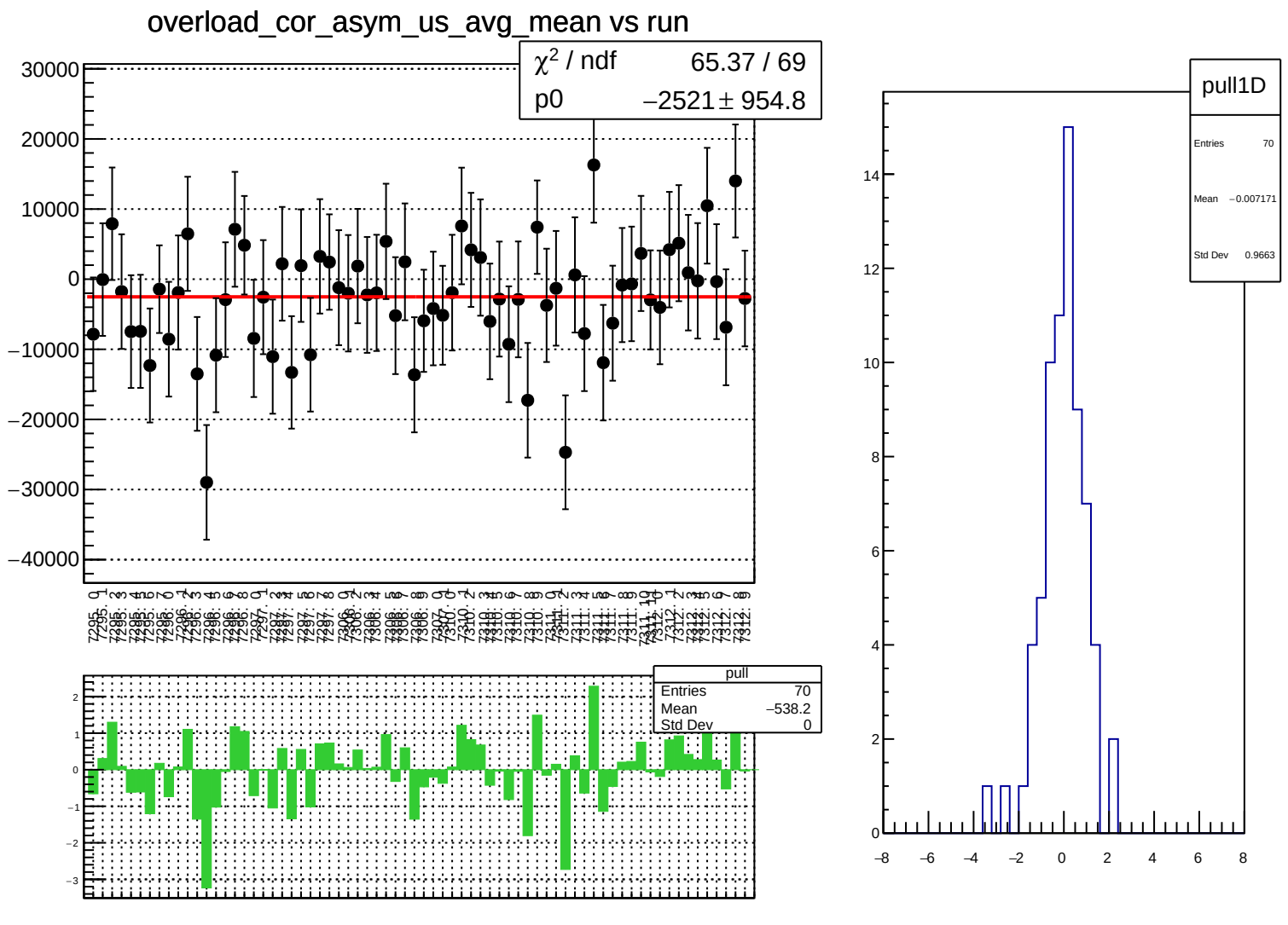

pull1D
Entries 70
Mean −0.006398
Std Dev 0.9644

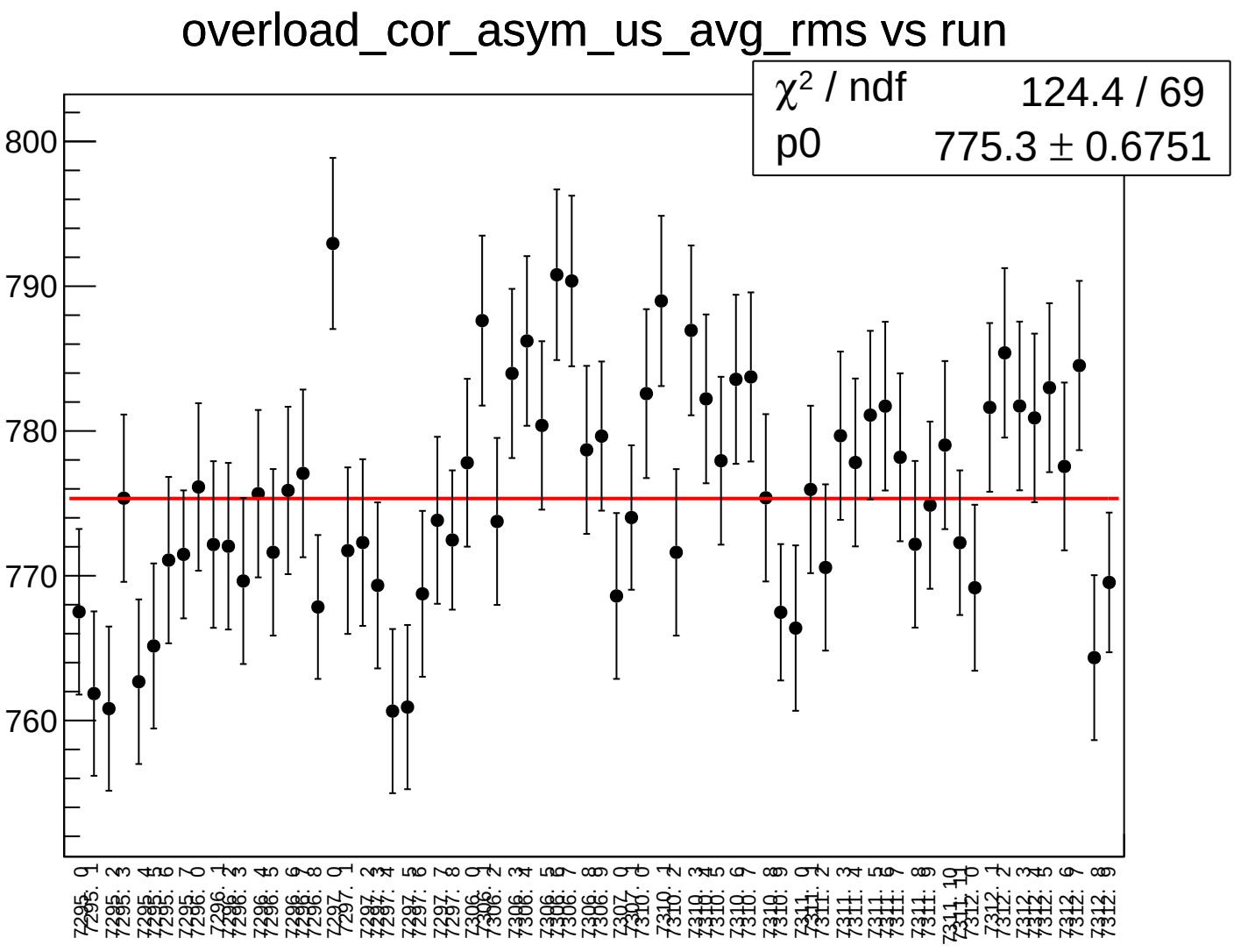

cor_asym_us_avg_rms vs run
χ² / ndf 126.8 / 69
p0 777.9 ± 0.6774
800
790
780
770
760

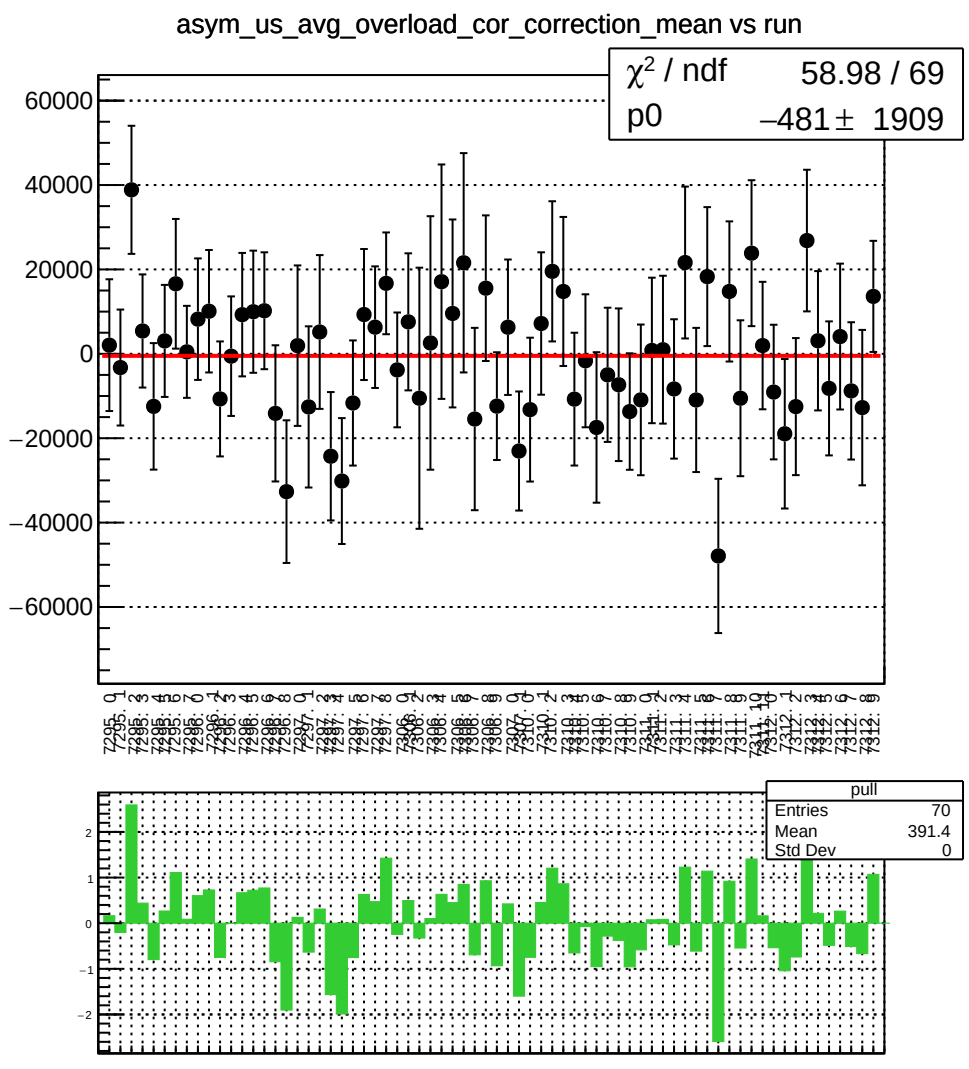

asym_us_avg_cor_correction_mean vs run
χ² / ndf 59.67 / 69
p0 −452.2 ± 1907
pull
Entries 70
Mean 395.8
Std Dev 0

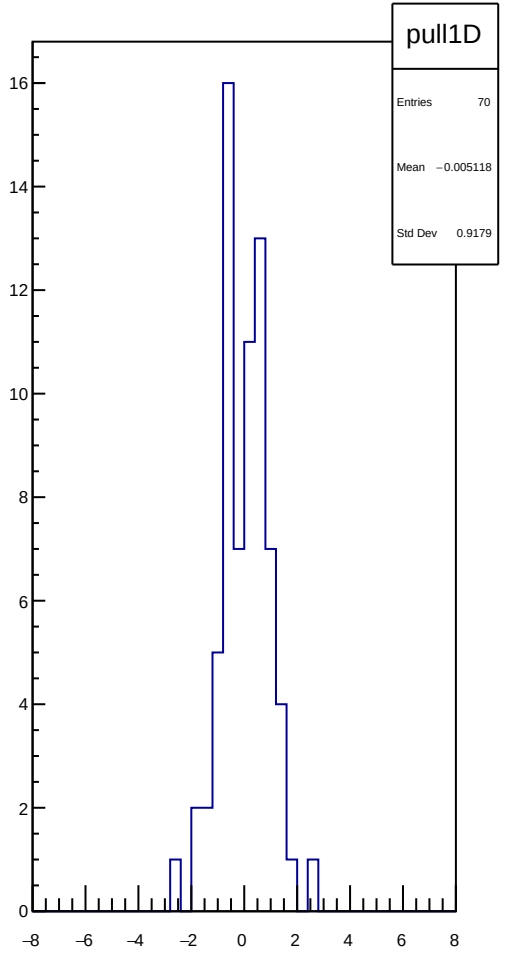

pull1D
Entries 70
Mean −0.005078
Std Dev 0.9233

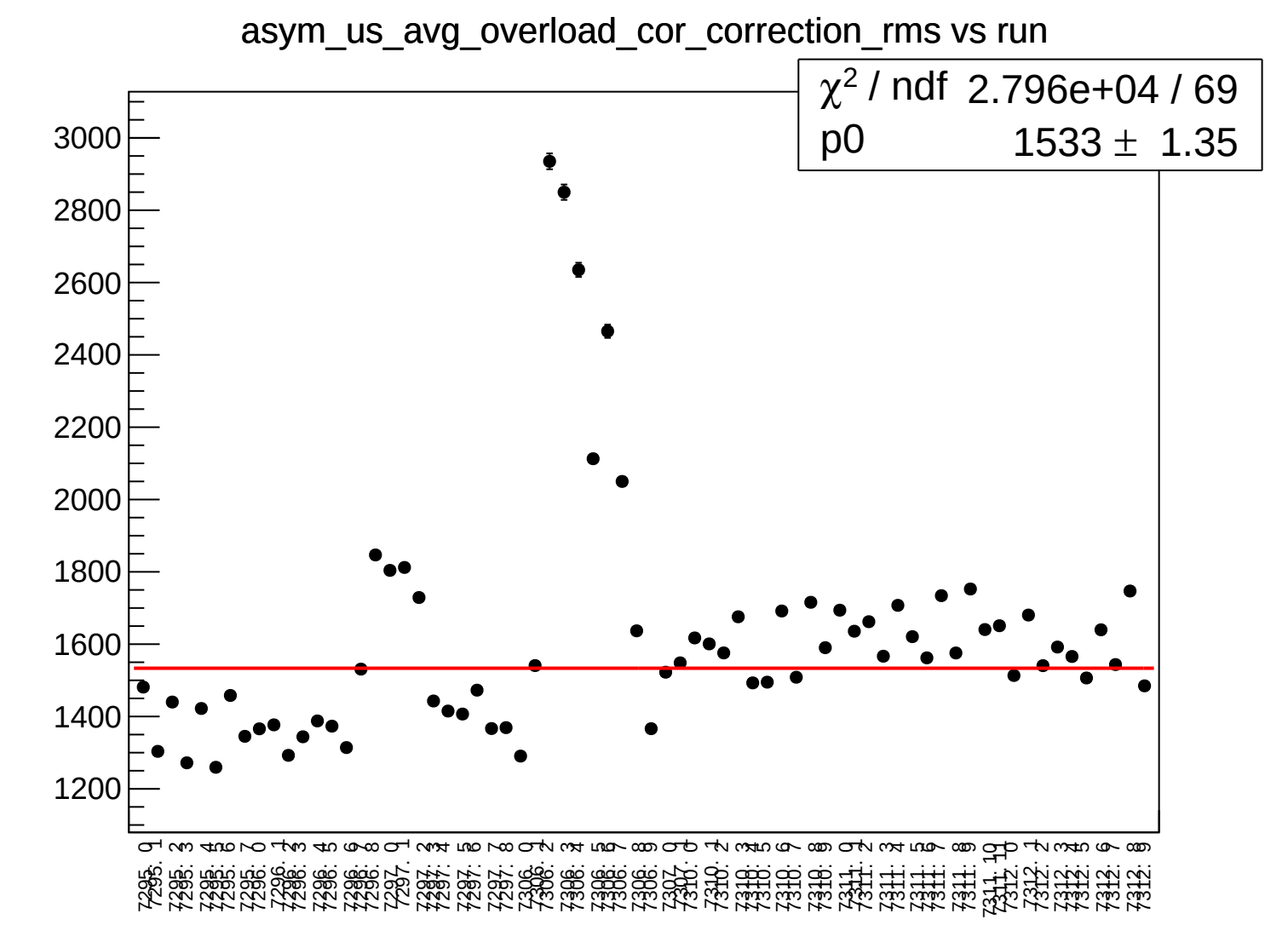

asym_us_avg_cor_correction_rms vs run
χ^2 / ndf 2.806e+04 / 69
p0 1532 ± 1.348
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

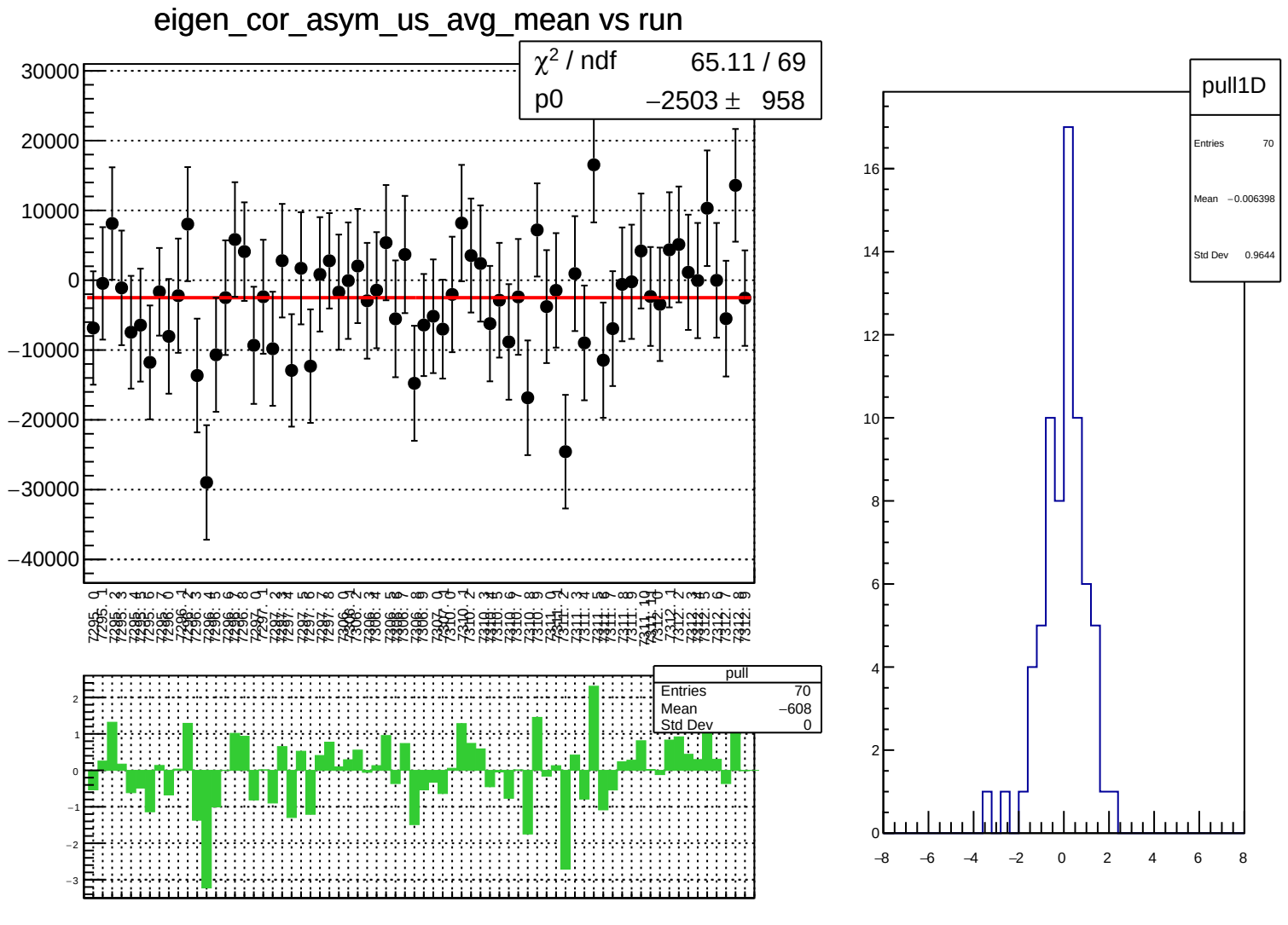

overload_cor_asym_us_avg_mean vs run
χ² / ndf 65.37 / 69
p0 −2521 ± 954.8
pull
Entries 70
Mean −538.2
Std Dev 0
pull1D
Entries 70
Mean −0.007171
Std Dev 0.9663

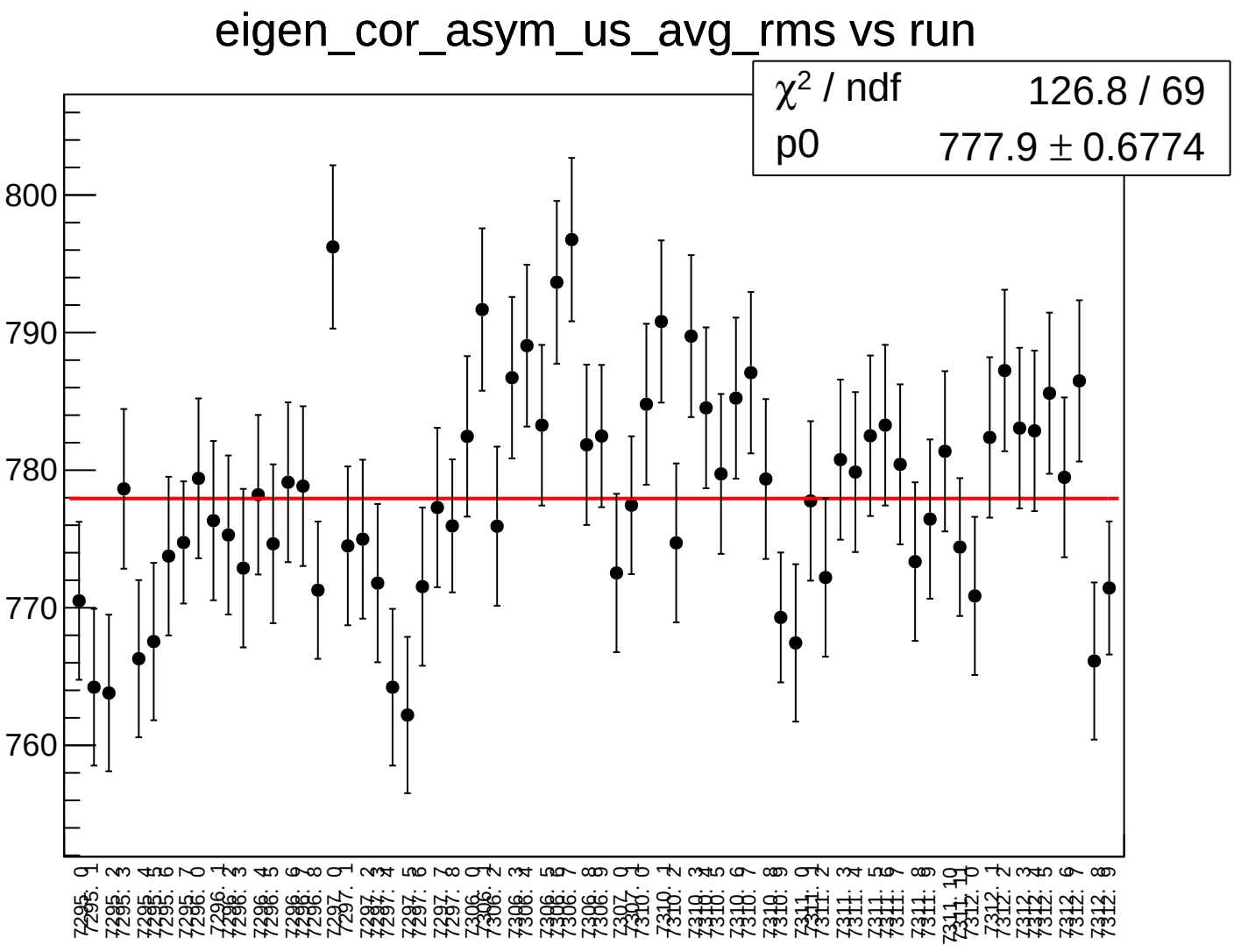

overload_cor_asym_us_avg_rms vs run
χ² / ndf 124.4 / 69
p0 775.3 ± 0.6751
800
790
780
770
760

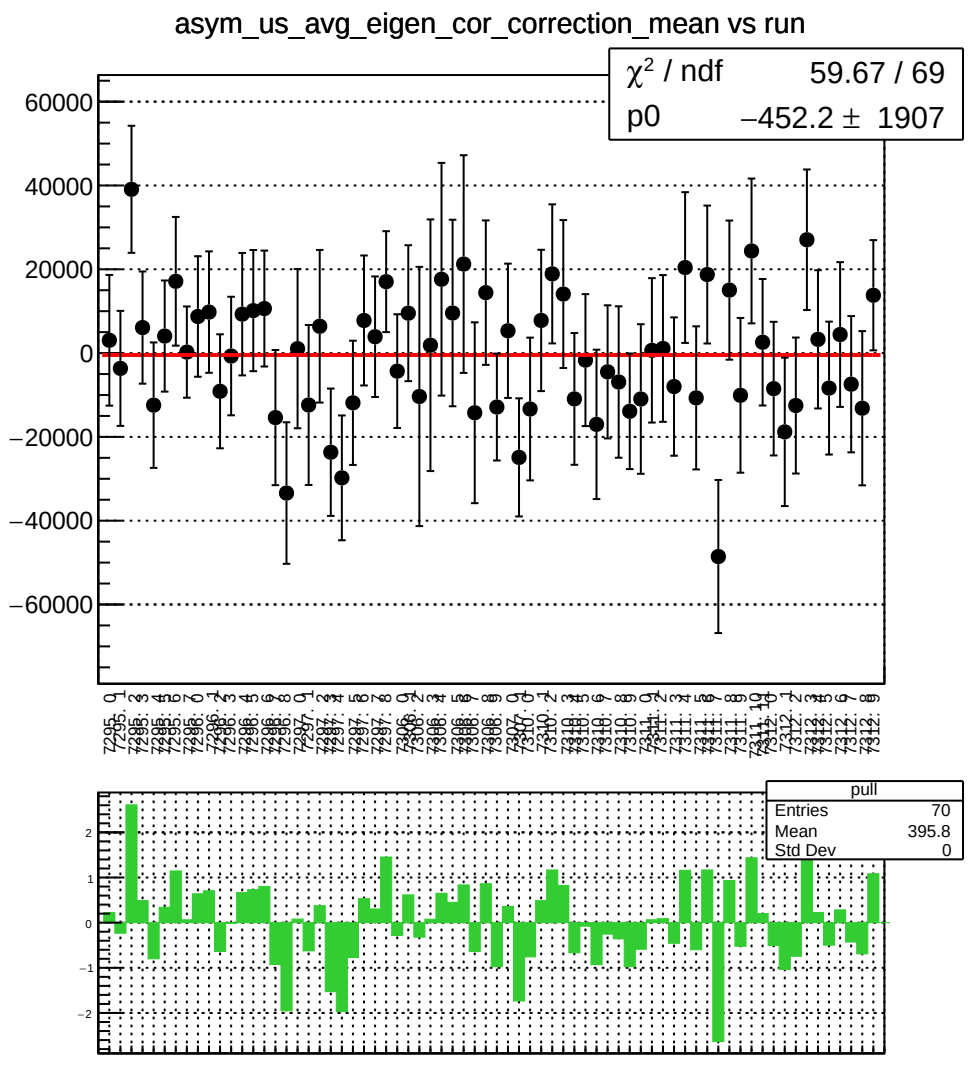

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 58.98 / 69
p0 −481 ± 1909
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 391.4
Std Dev 0
2
1
0
−1
−2

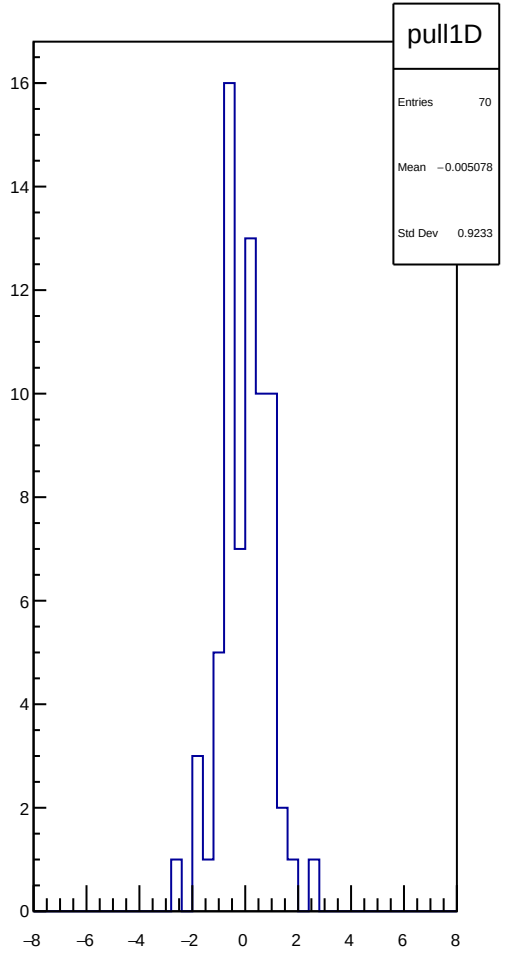

pull1D
Entries 70
Mean −0.005118
Std Dev 0.9179
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ^2 / ndf 2.796e+04 / 69
p0 1533 ± 1.35
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 65.11 / 69
p0 −2503 ± 958
pull
Entries 70
Mean −608
Std Dev 0
pull1D
Entries 70
Mean −0.006398
Std Dev 0.9644


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 126.8 / 69
p0 777.9 ± 0.6774
800
790
780
770
760


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.67 / 69
p0 −452.2 ± 1907
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 395.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean −0.005078
Std Dev 0.9233
16
14
12
10
8
6
4
2
0
−8
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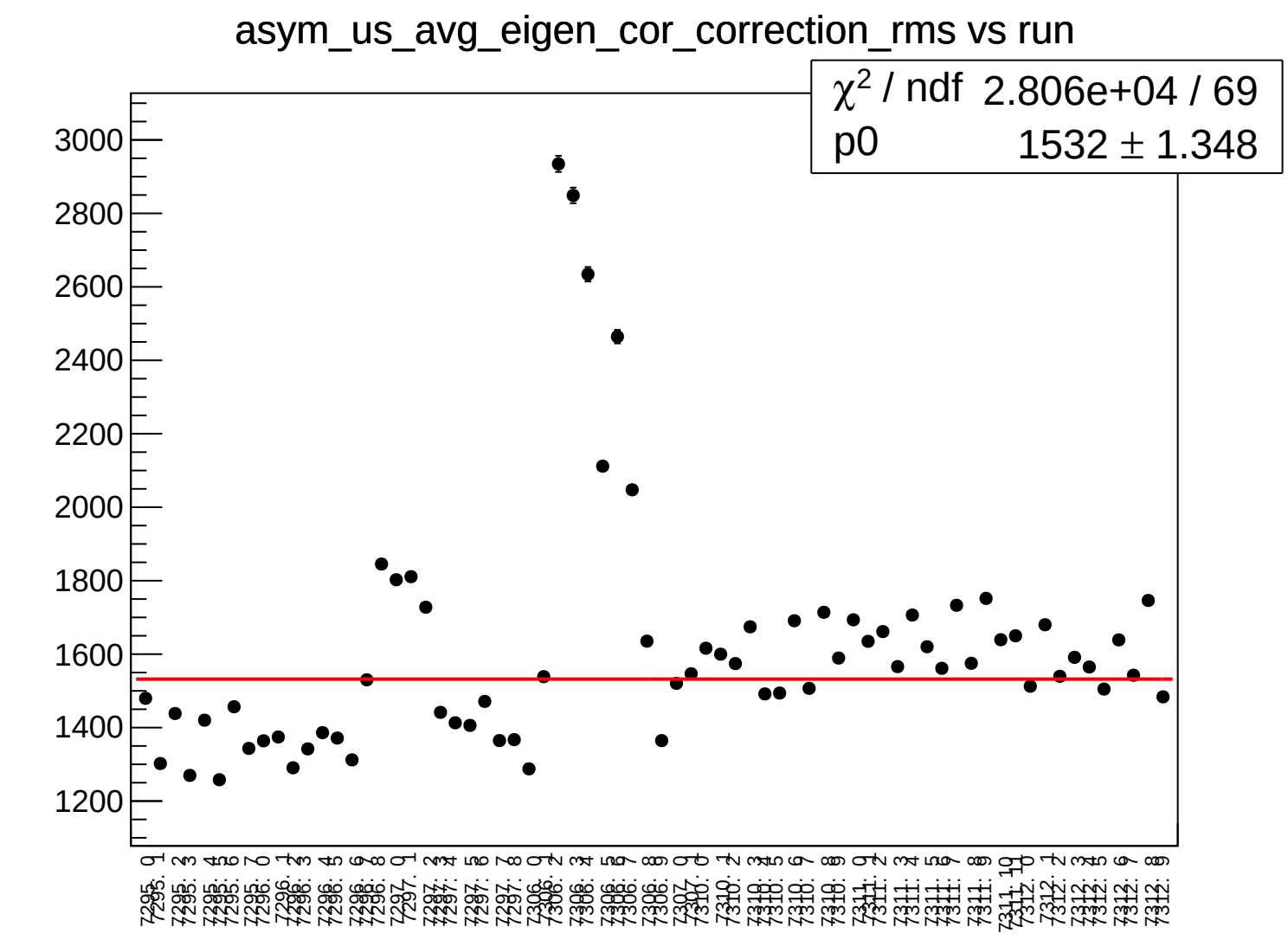
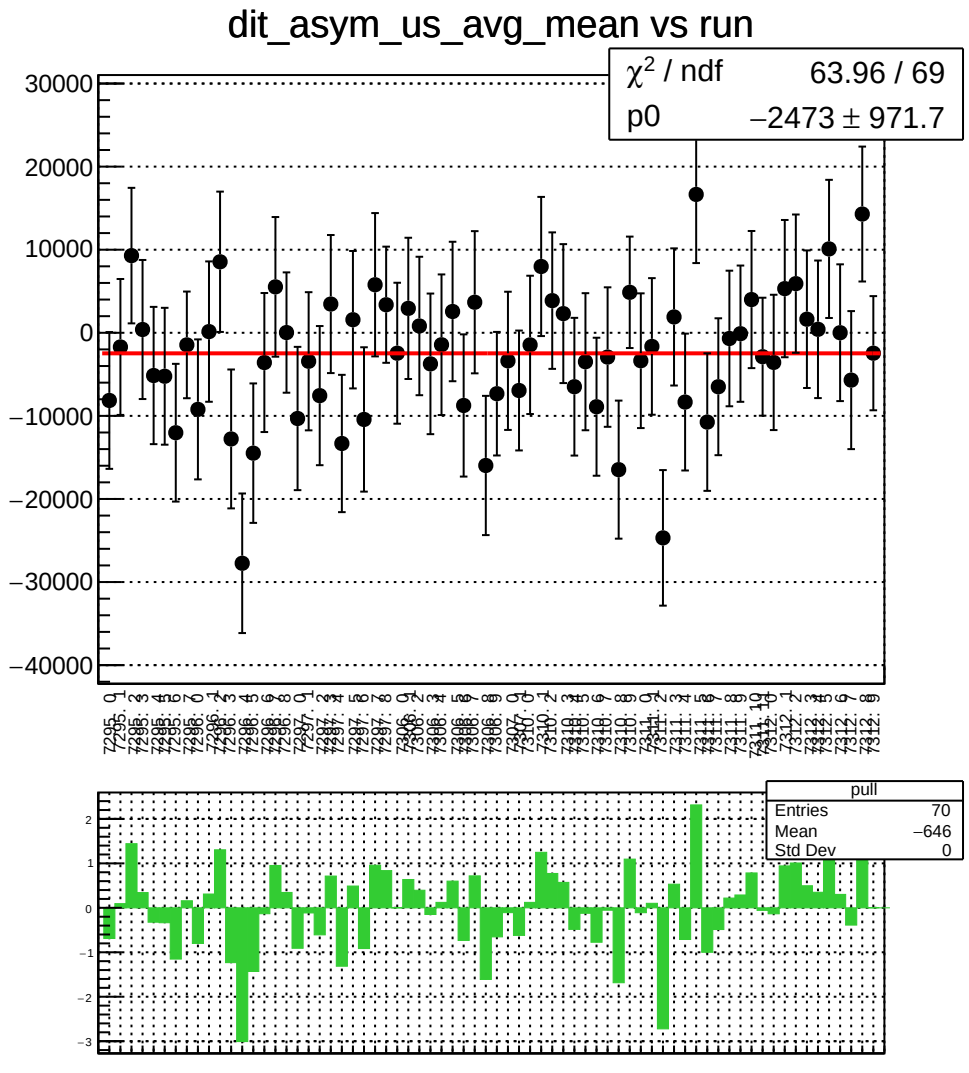
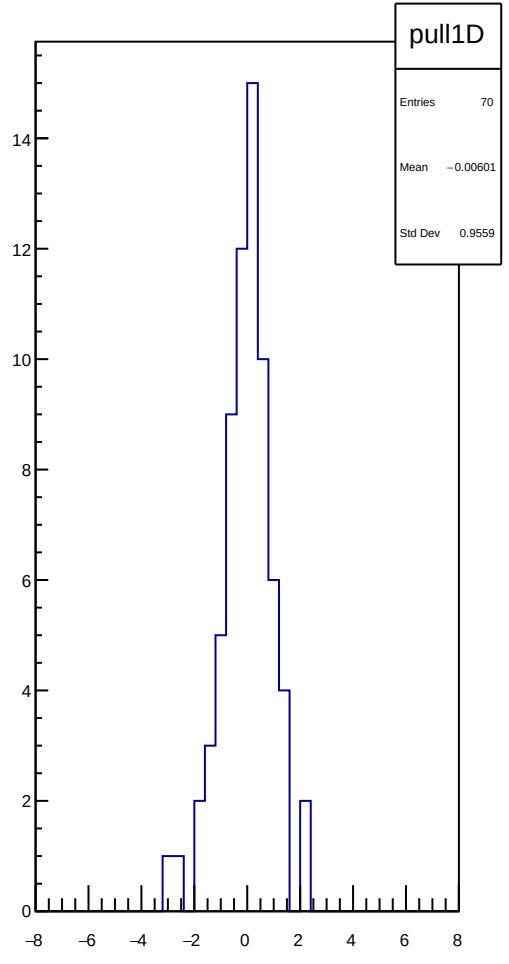
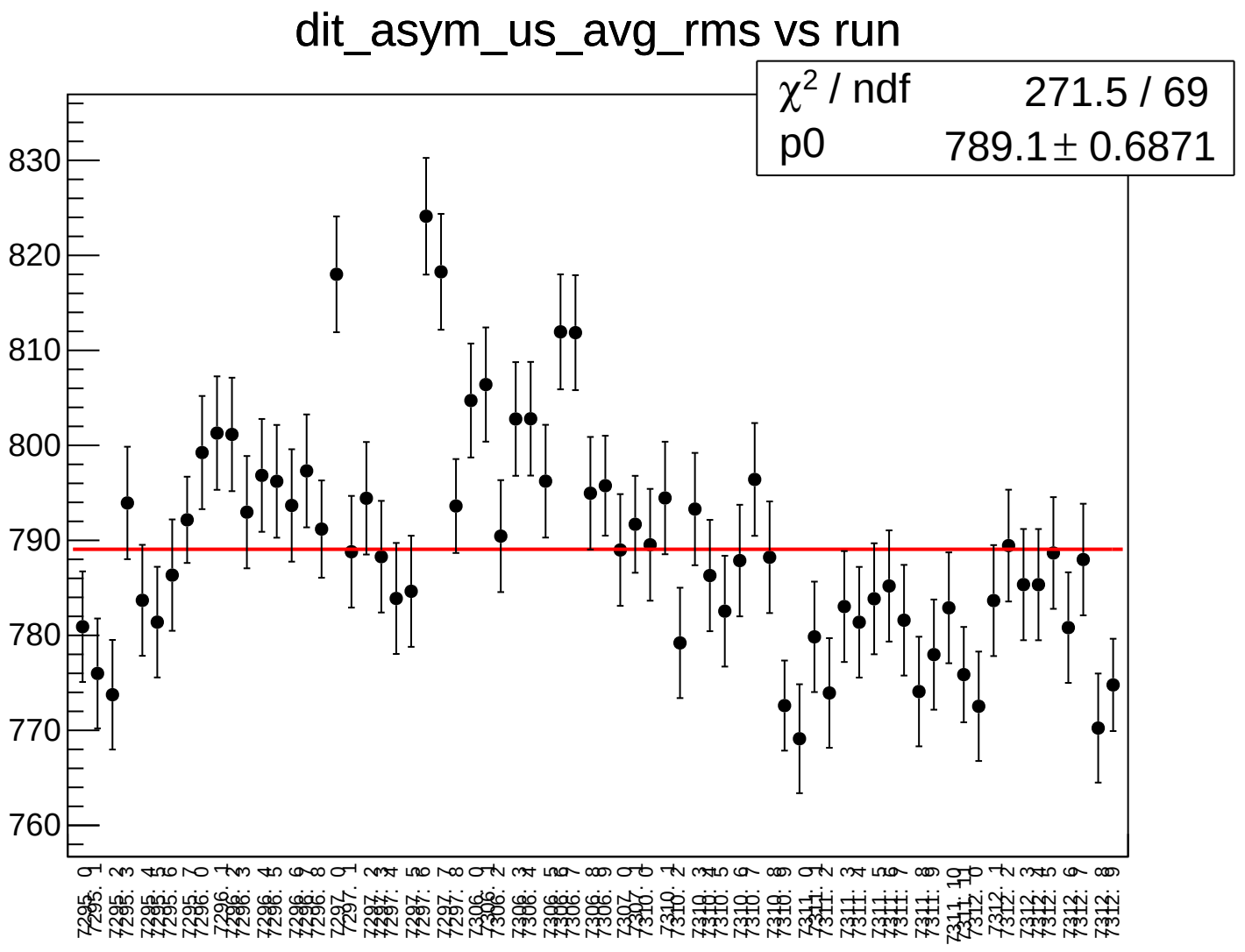
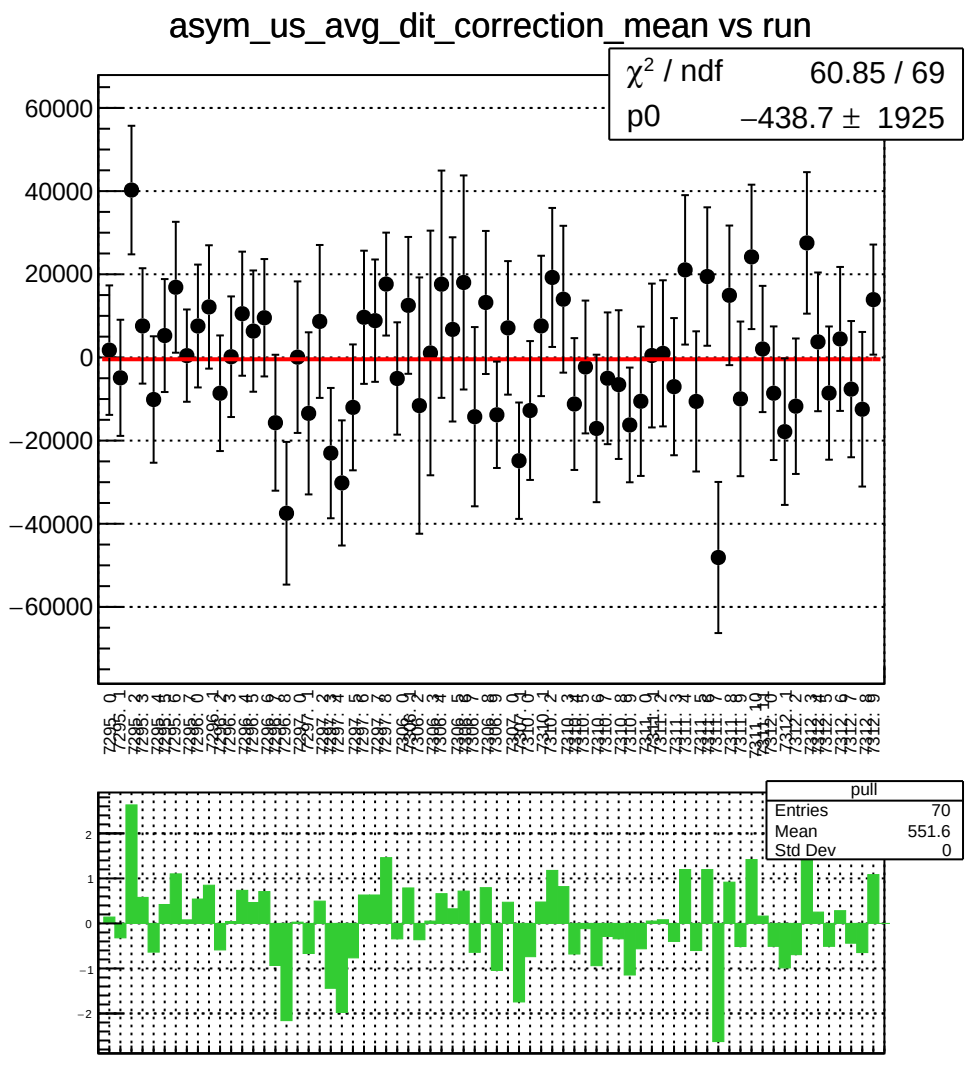
−4
−2
0
2
4
6
8

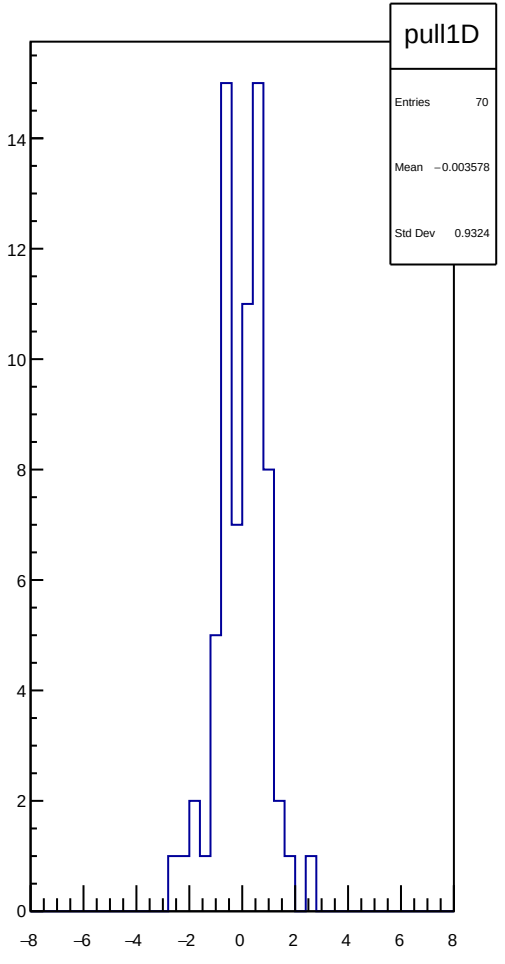

asym_us_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2.806e+04 / 69
p0 1532 ± 1.348
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

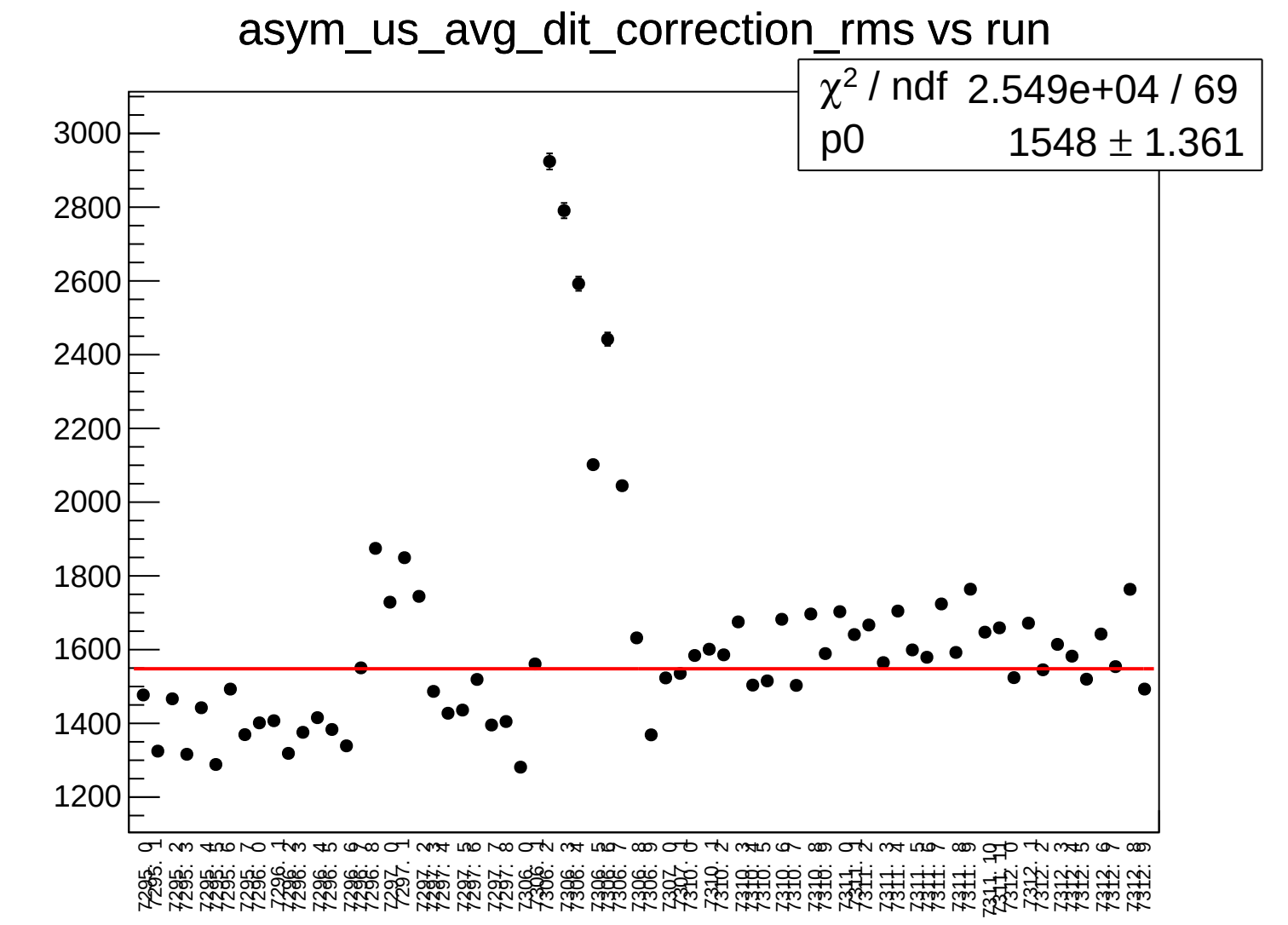

dit_asym_us_avg_mean vs run
χ² / ndf 63.96 / 69
p0 −2473 ± 971.7
pull
Entries 70
Mean −646
Std Dev 0

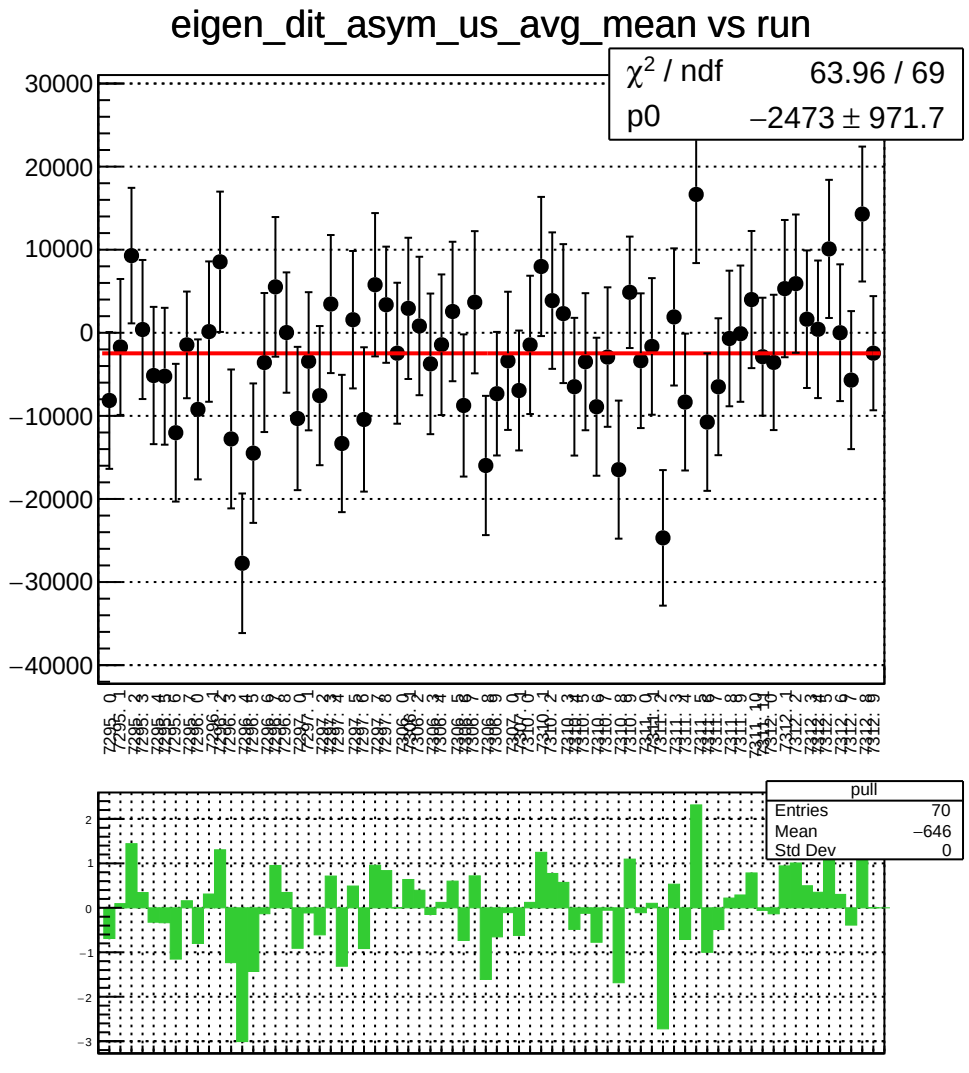

pull1D
Entries 70
Mean −0.00601
Std Dev 0.9559

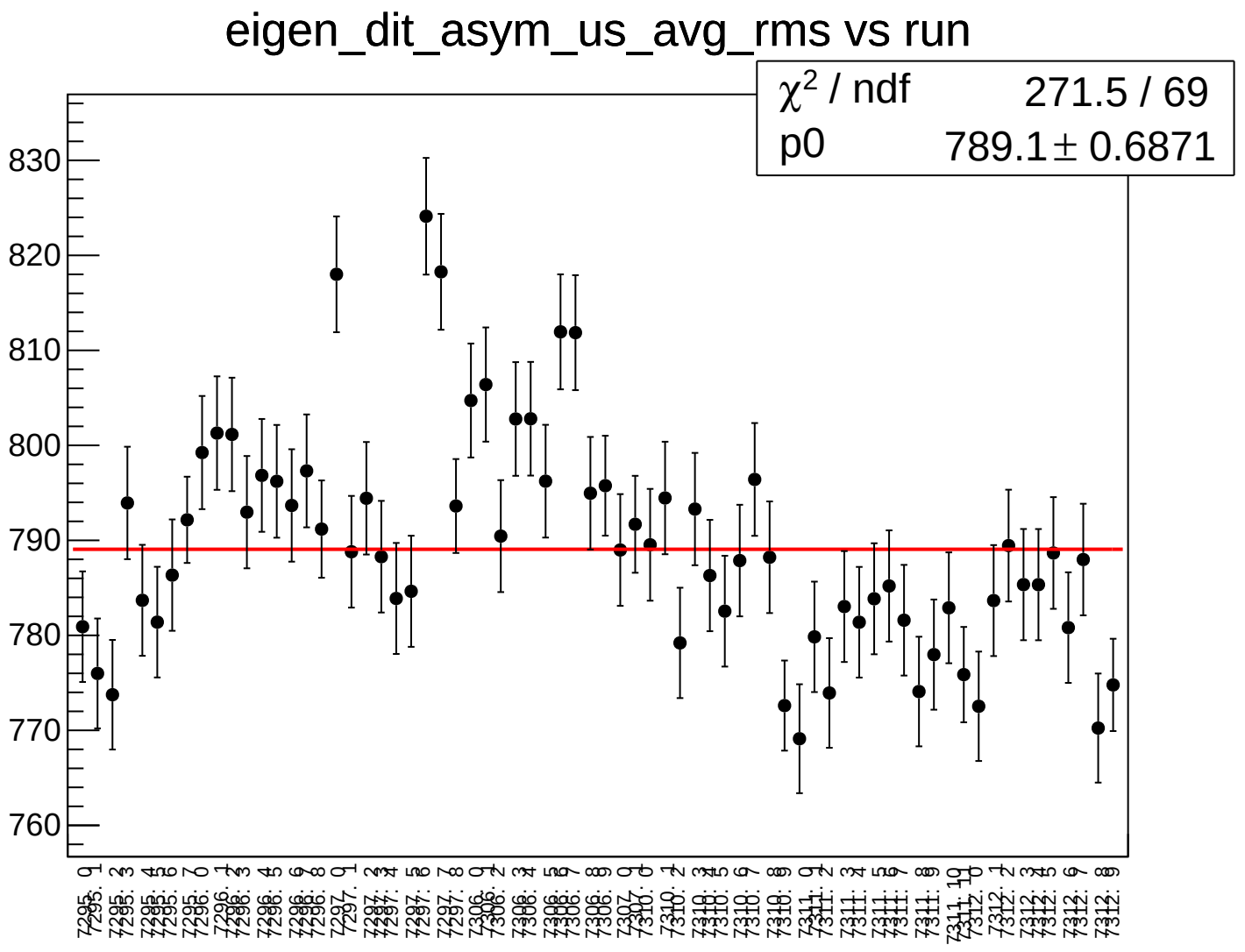

dit_asym_us_avg_rms vs run
χ^2 / ndf 271.5 / 69
p0 789.1 ± 0.6871
830
820
810
800
790
780
770
760

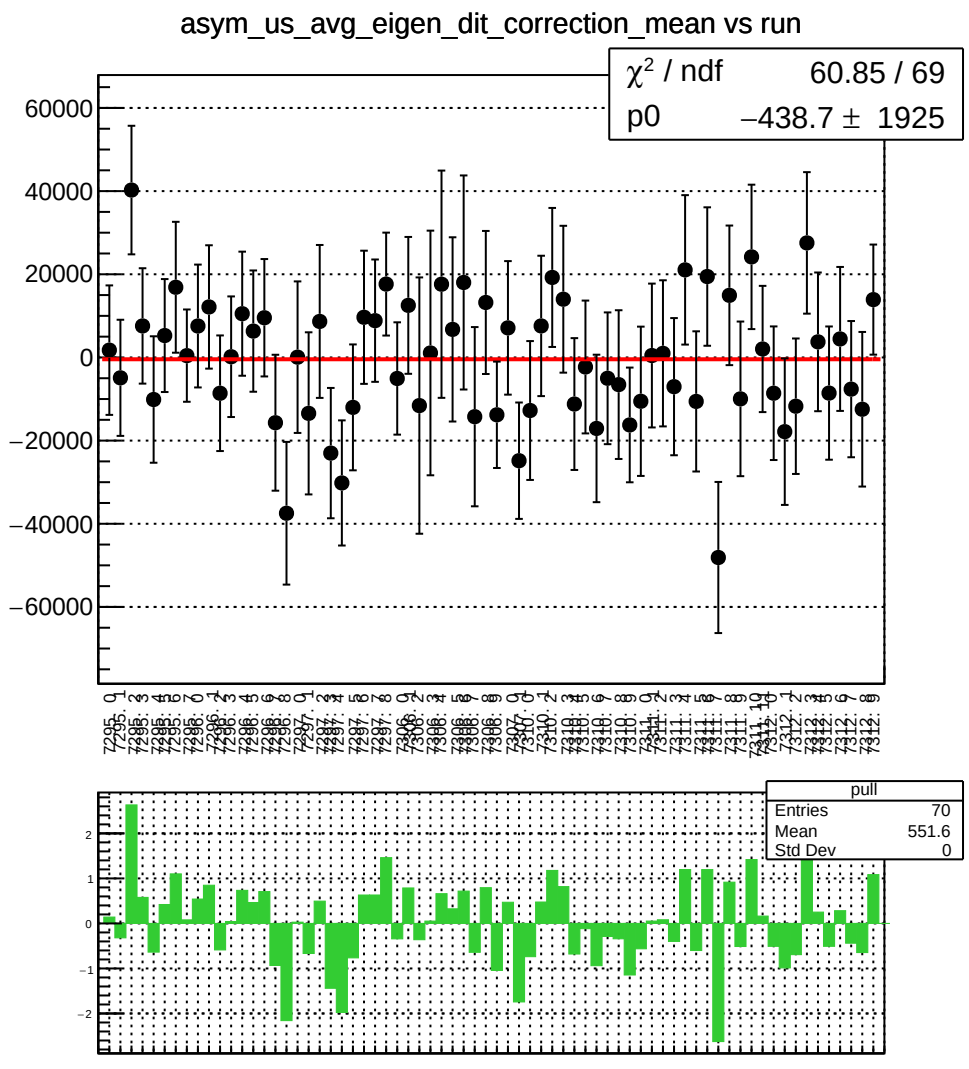

asym_us_avg_dit_correction_mean vs run
χ² / ndf 60.85 / 69
p0 −438.7 ± 1925
pull
Entries 70
Mean 551.6
Std Dev 0

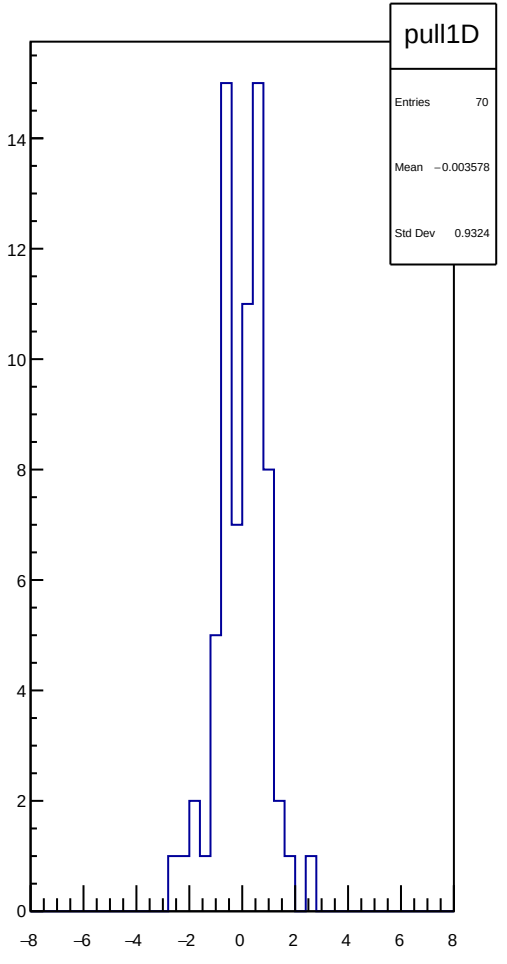

pull1D
Entries 70
Mean −0.003578
Std Dev 0.9324

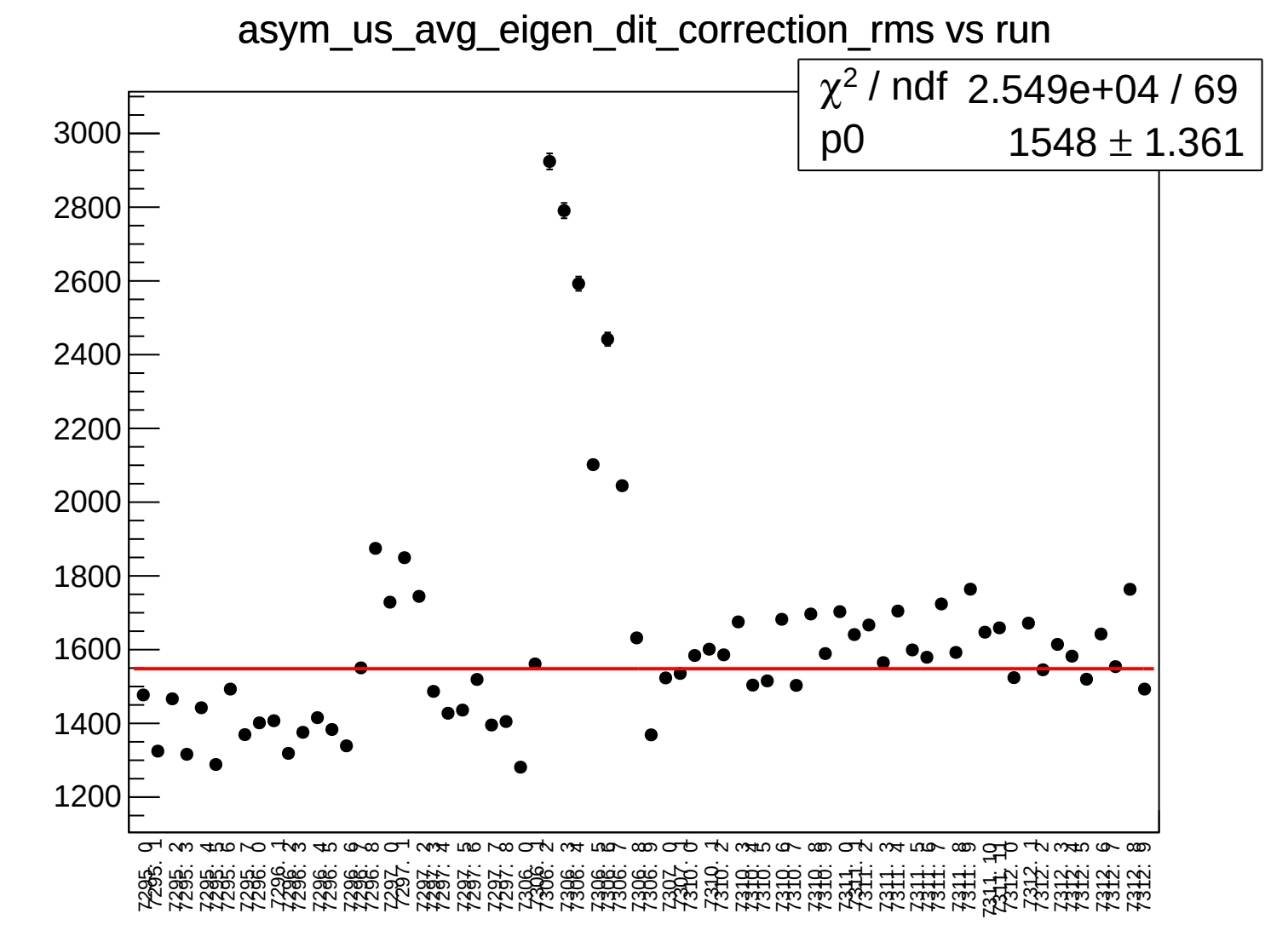

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2.549e+04 / 69
p0 1548 ± 1.361
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

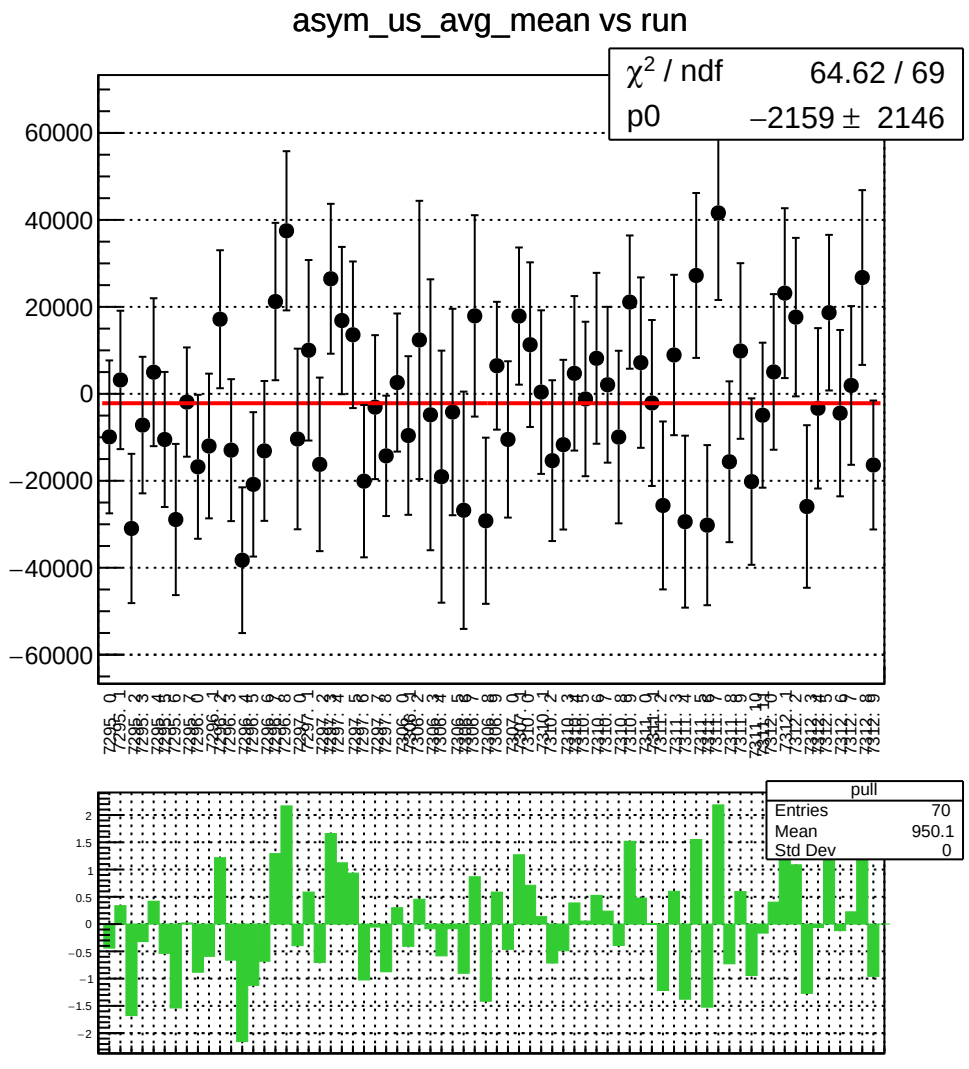

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 63.96 / 69
p0 −2473 ± 971.7
pull
Entries 70
Mean −646
Std Dev 0
pull1D
Entries 70
Mean −0.00601
Std Dev 0.9558

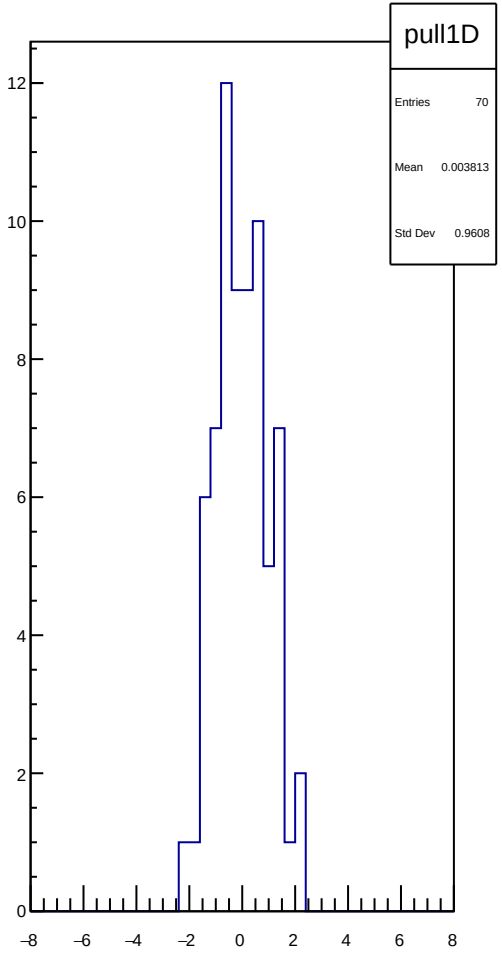

eigen_dit_asym_us_avg_rms vs run
χ^2 / ndf 271.5 / 69
p0 789.1 ± 0.6871
830
820
810
800
790
780
770
760

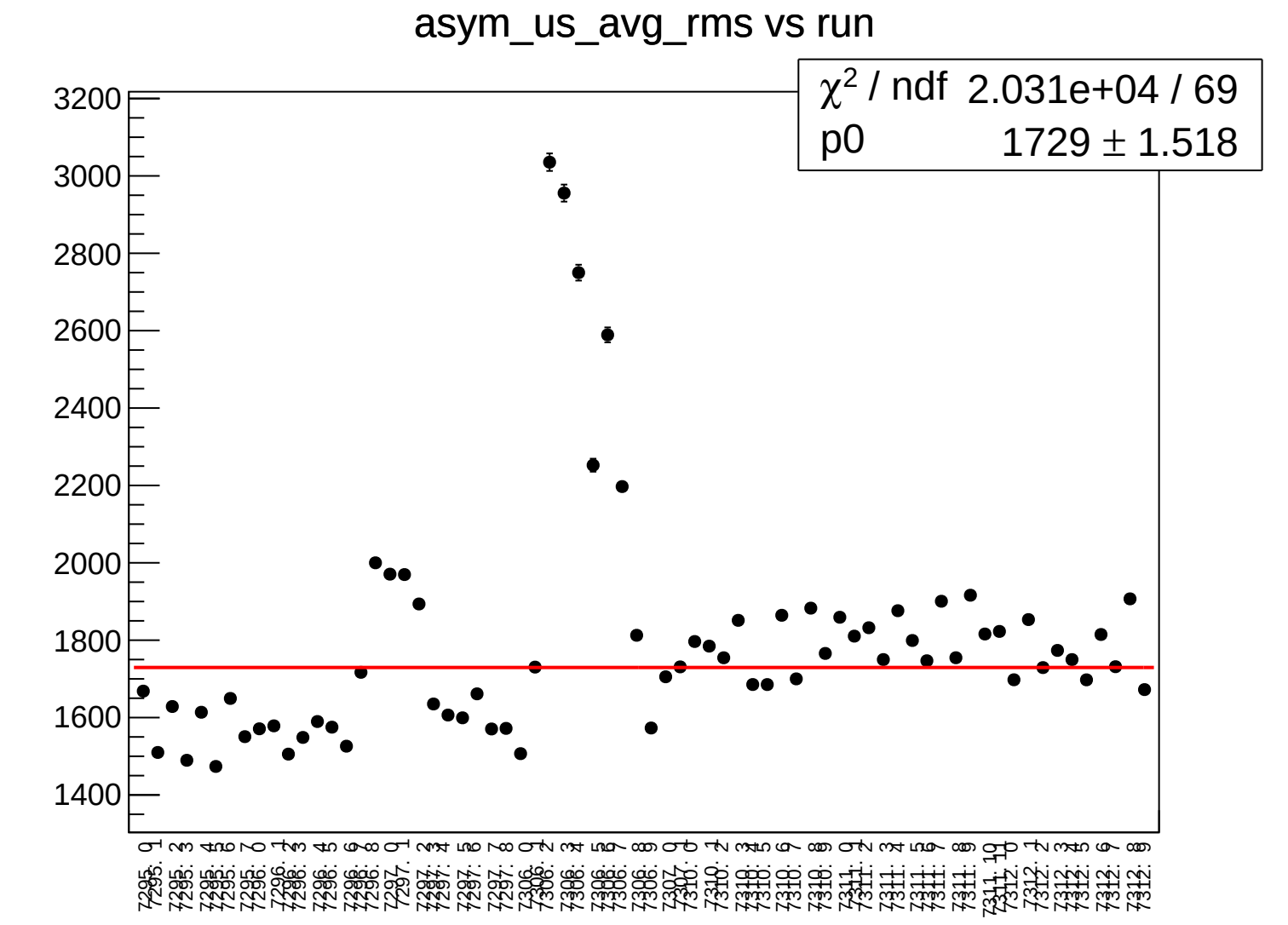

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.85 / 69
p0 −438.7 ± 1925
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 551.6
Std Dev 0
2
1
0
−1
−2

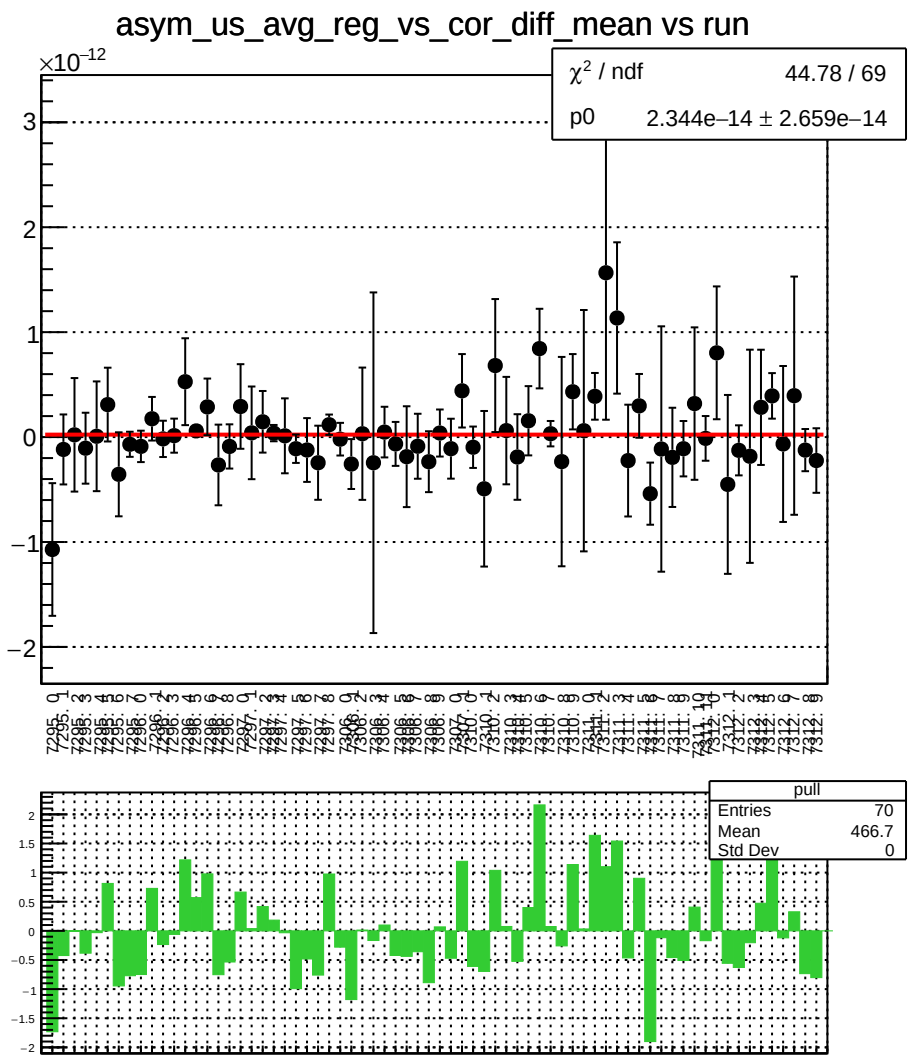

pull1D
Entries 70
Mean −0.003578
Std Dev 0.9324
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

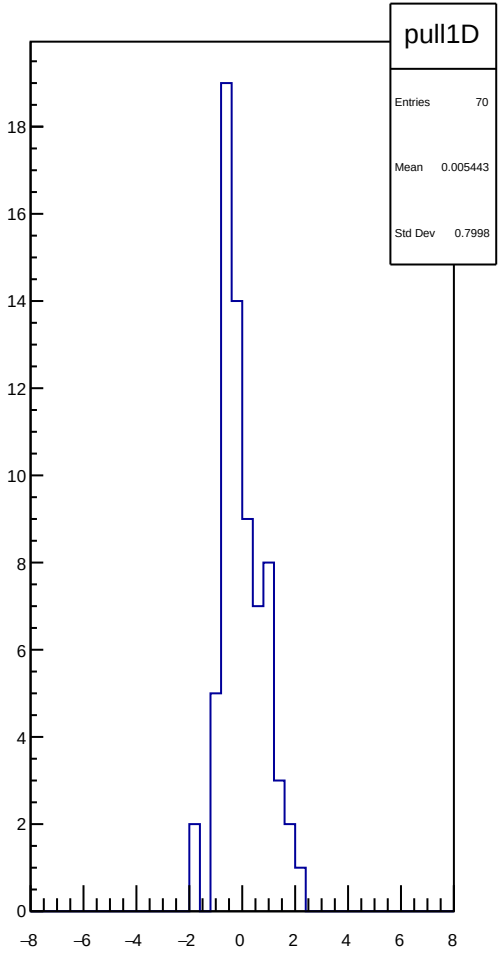

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.549e+04 / 69
p0 1548 ± 1.361
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

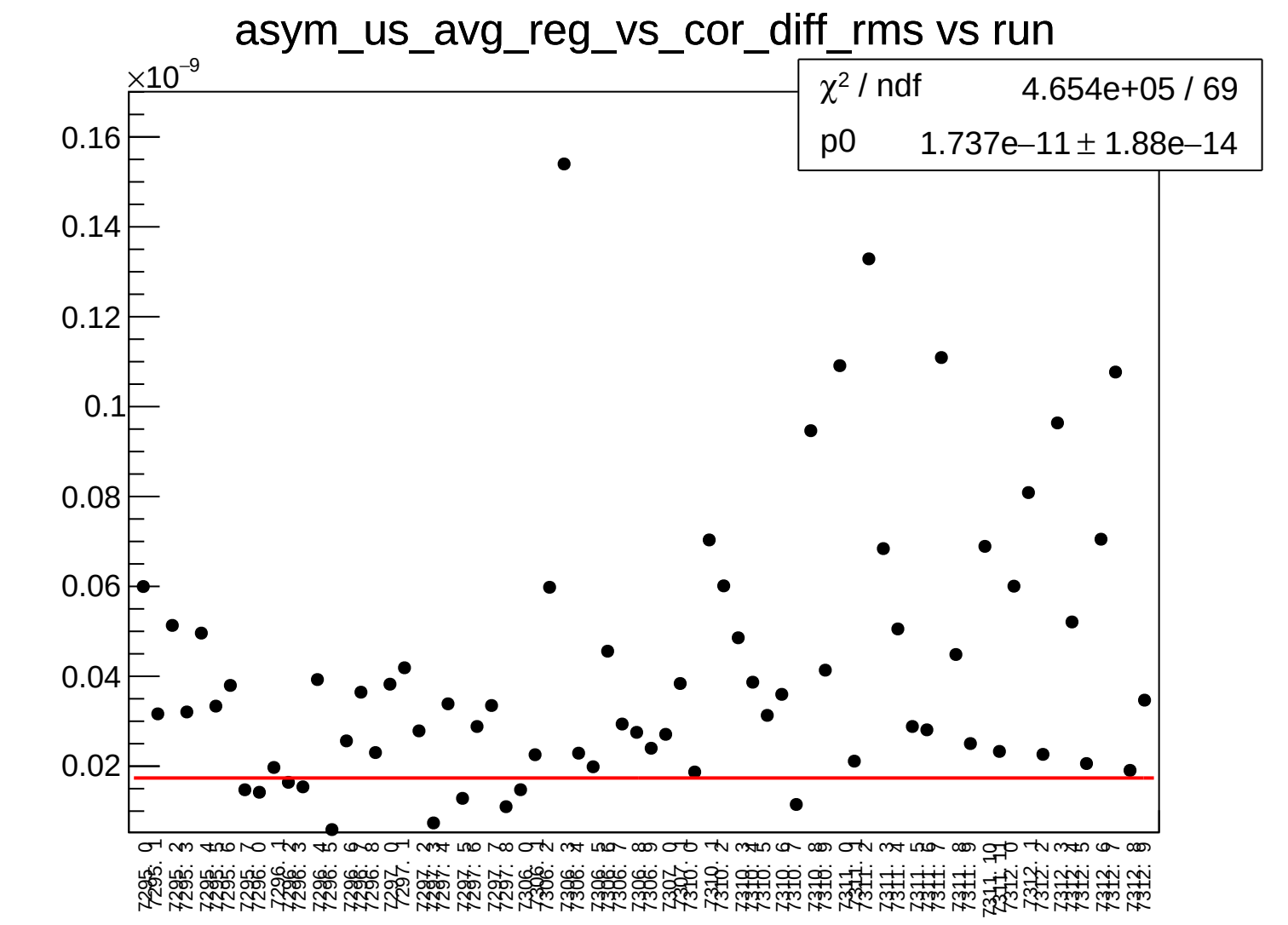

asym_us_avg_mean vs run
χ^2 / ndf 64.62 / 69
p0 −2159 ± 2146
pull
Entries 70
Mean 950.1
Std Dev 0

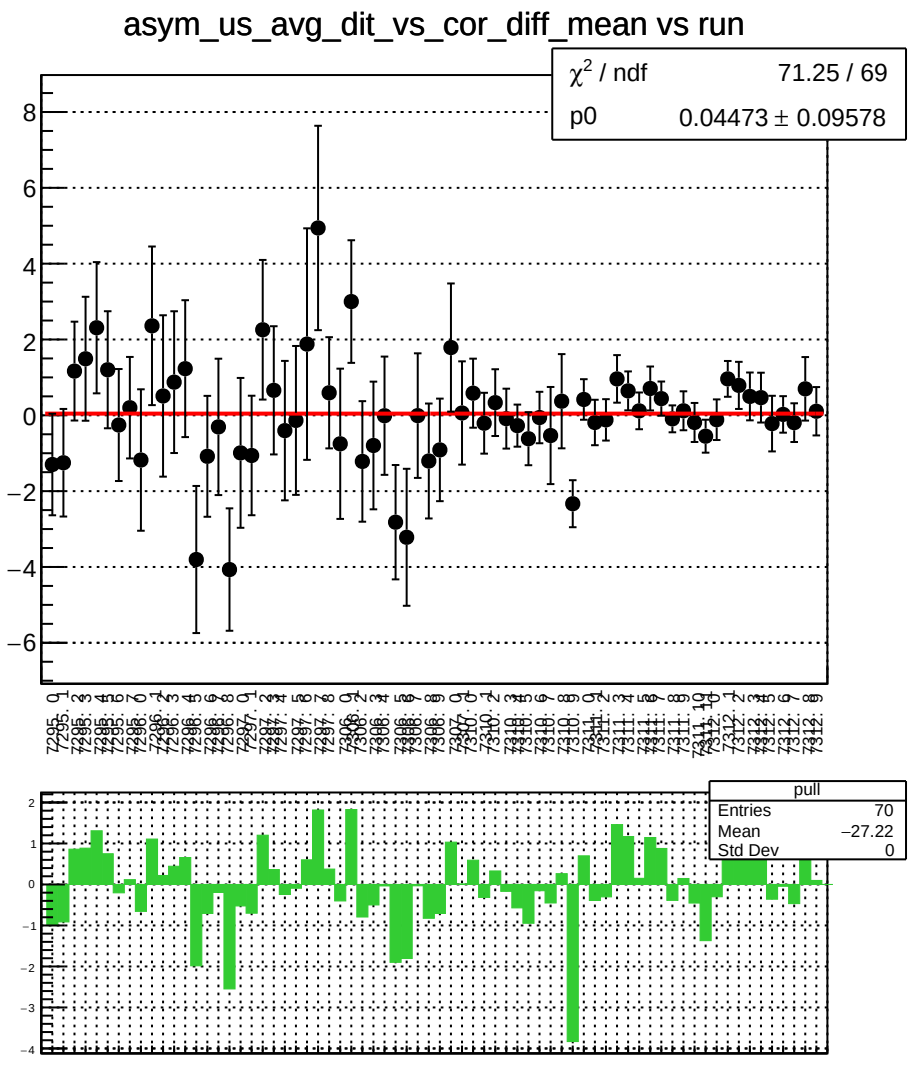

pull1D
Entries 70
Mean 0.003813
Std Dev 0.9608

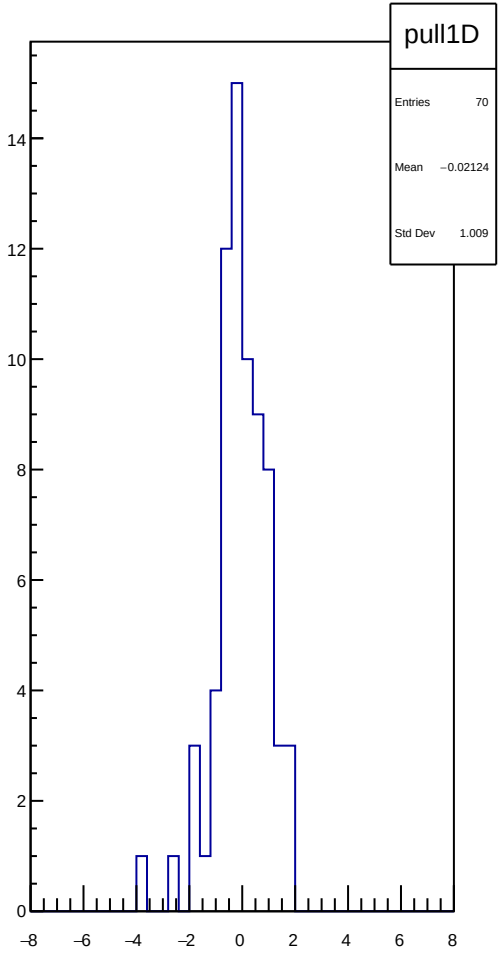

asym_us_avg_rms vs run
χ^2 / ndf 2.031e+04 / 69
p0 1729 ± 1.518
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

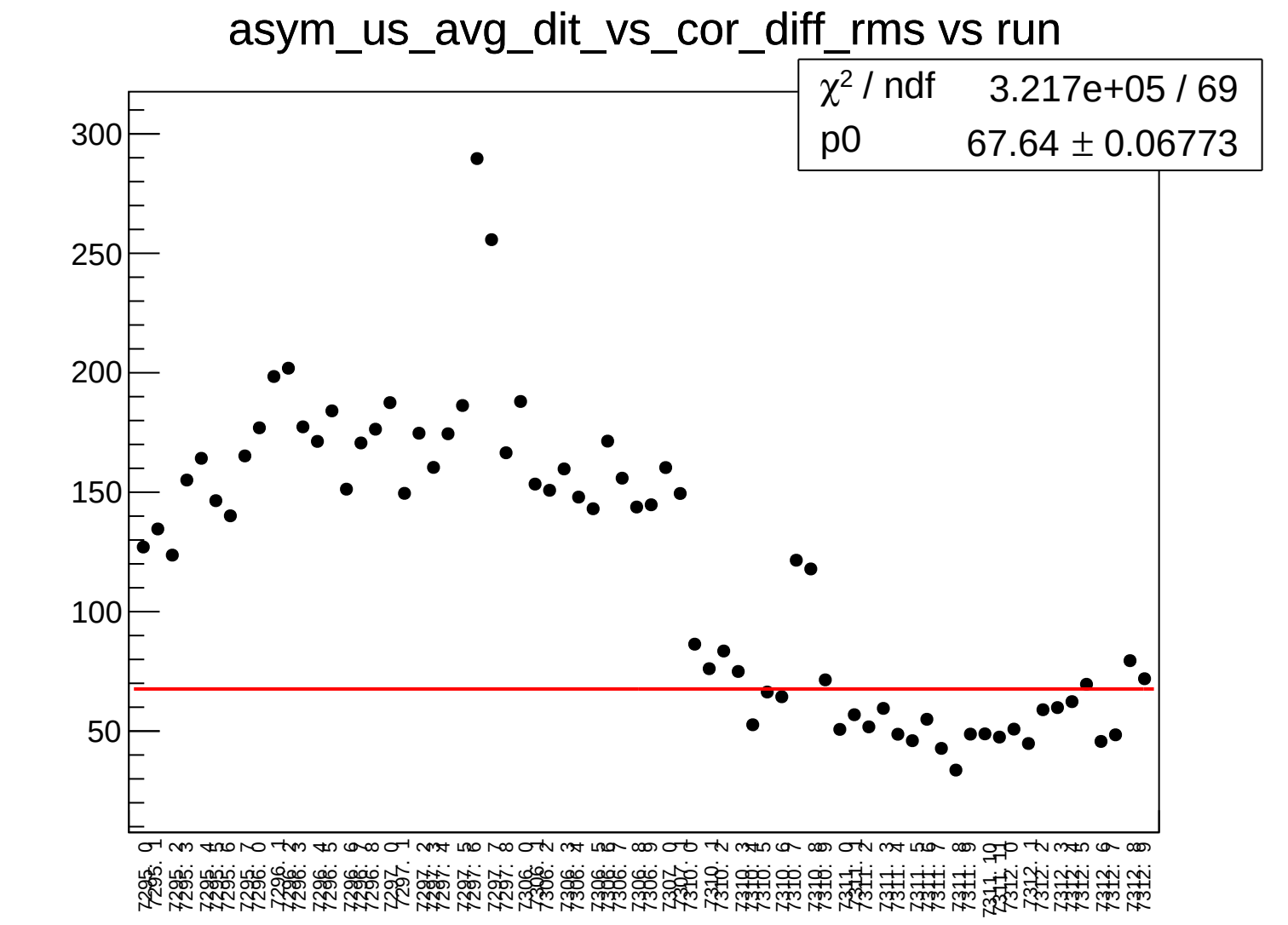

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.78 / 69
p0 2.344e−14 ± 2.659e−14
pull
Entries 70
Mean 466.7
Std Dev 0

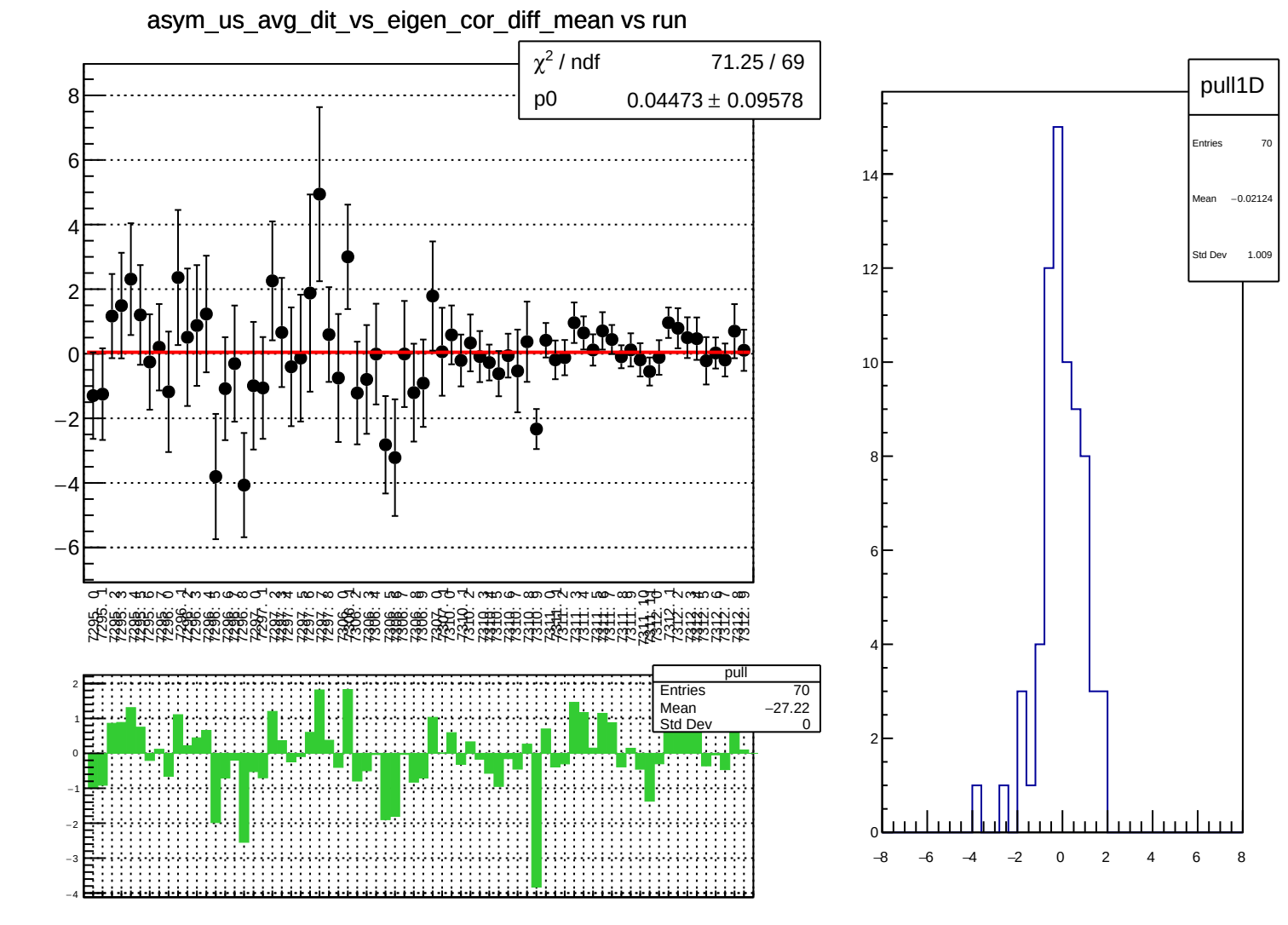

pull1D
Entries 70
Mean 0.005443
Std Dev 0.7998

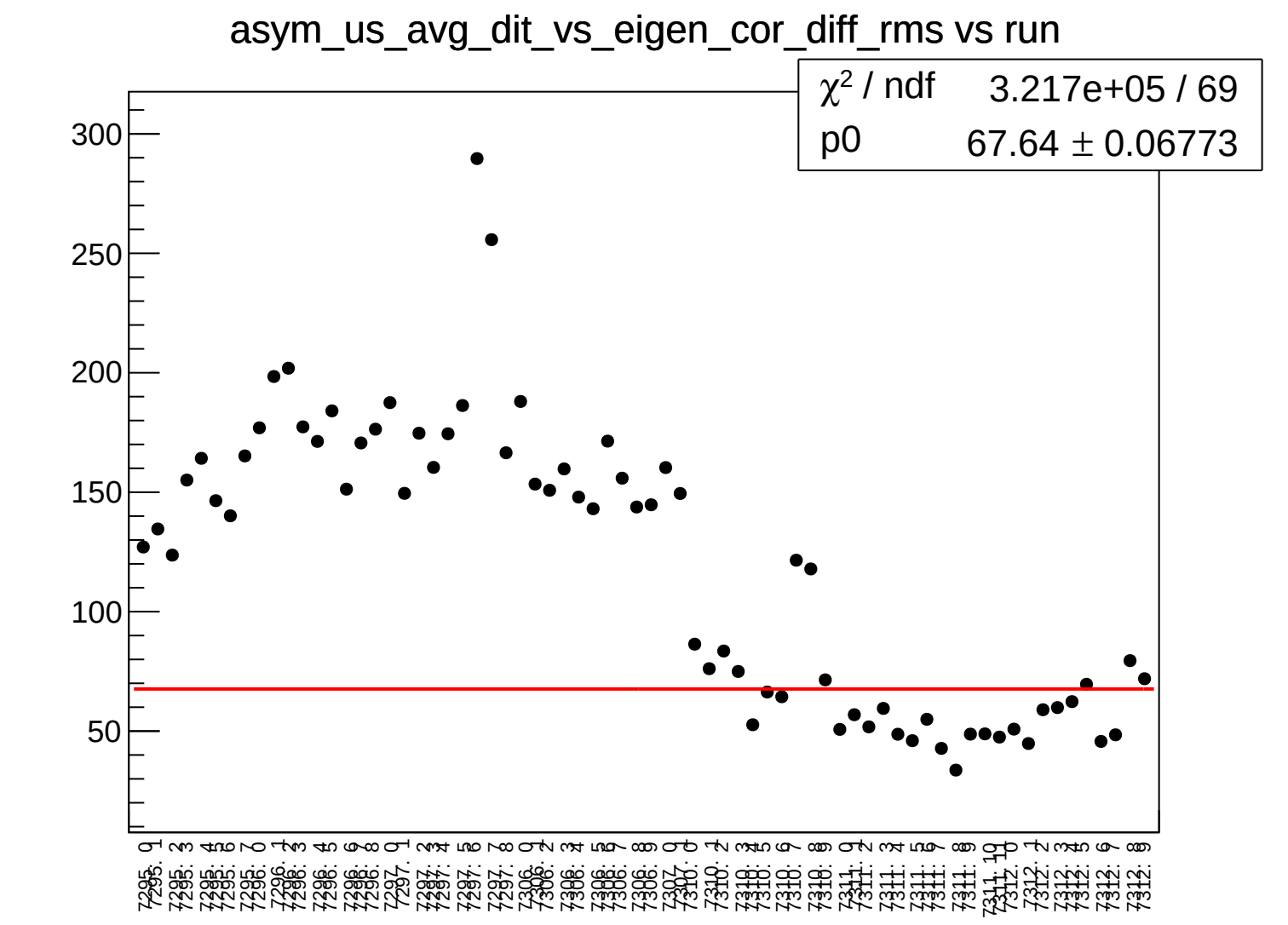

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.654e+05 / 69
p0 1.737e−11 ± 1.88e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

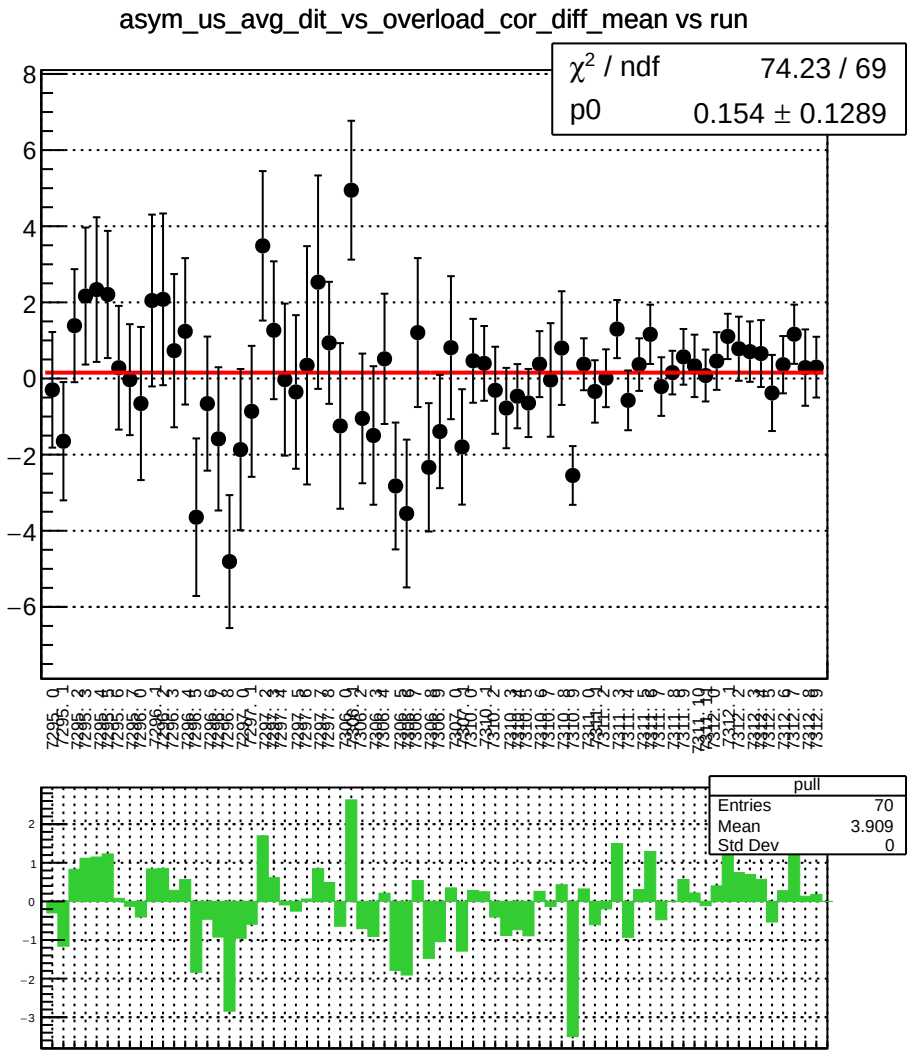

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.25 / 69
p0 0.04473 ± 0.09578
pull
Entries 70
Mean −27.22
Std Dev 0

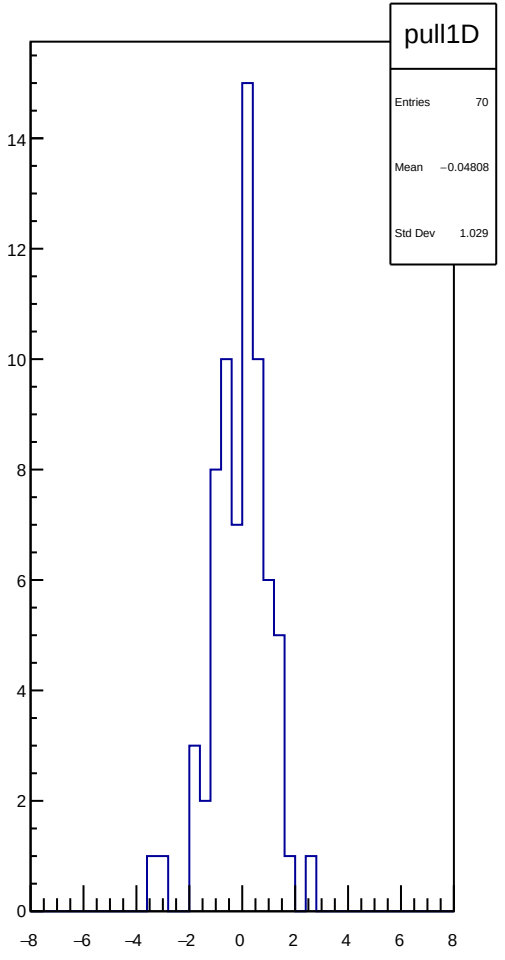

pull1D
Entries 70
Mean −0.02124
Std Dev 1.009

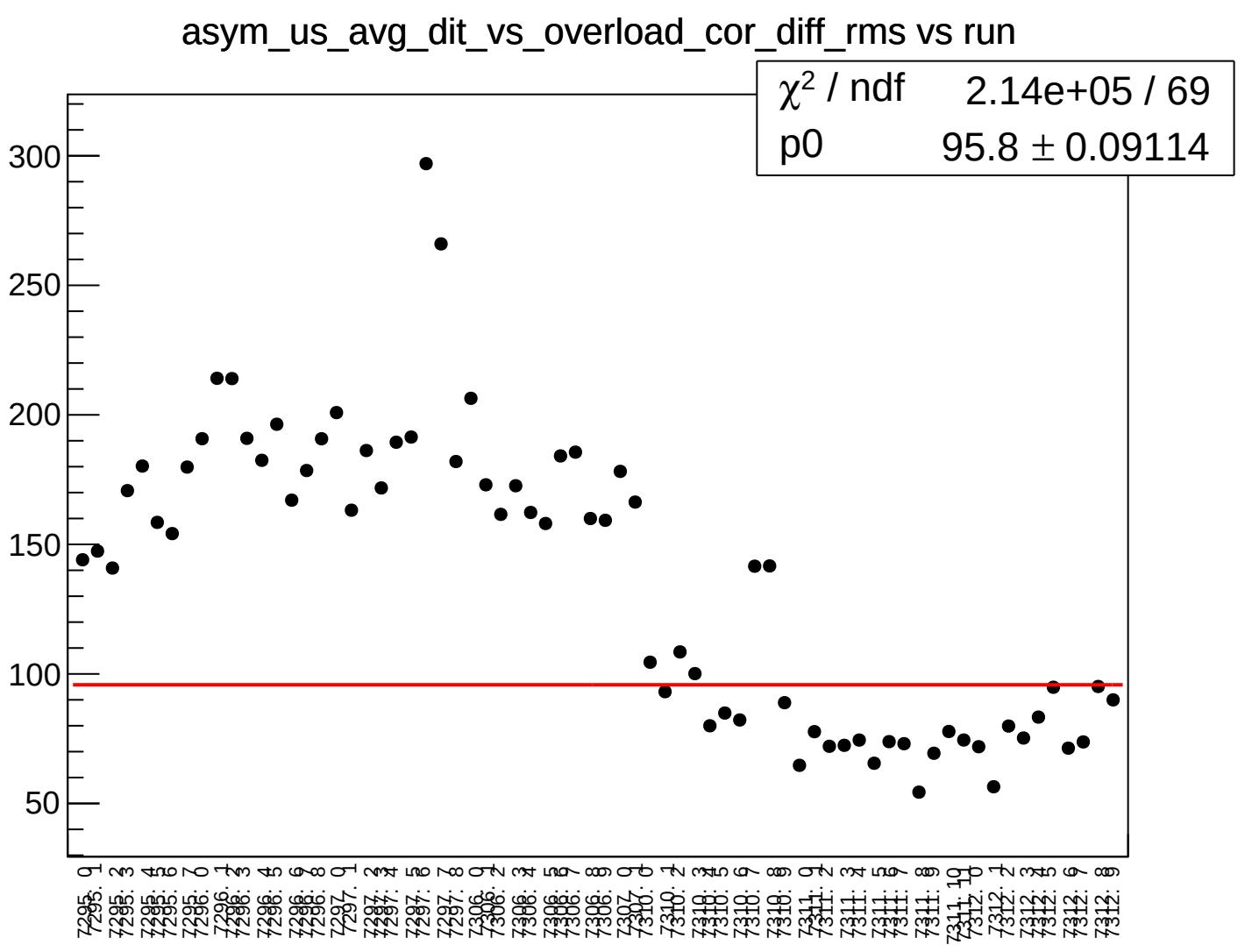

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.217e+05 / 69
p0 67.64 ± 0.06773
300
250
200
150
100
50

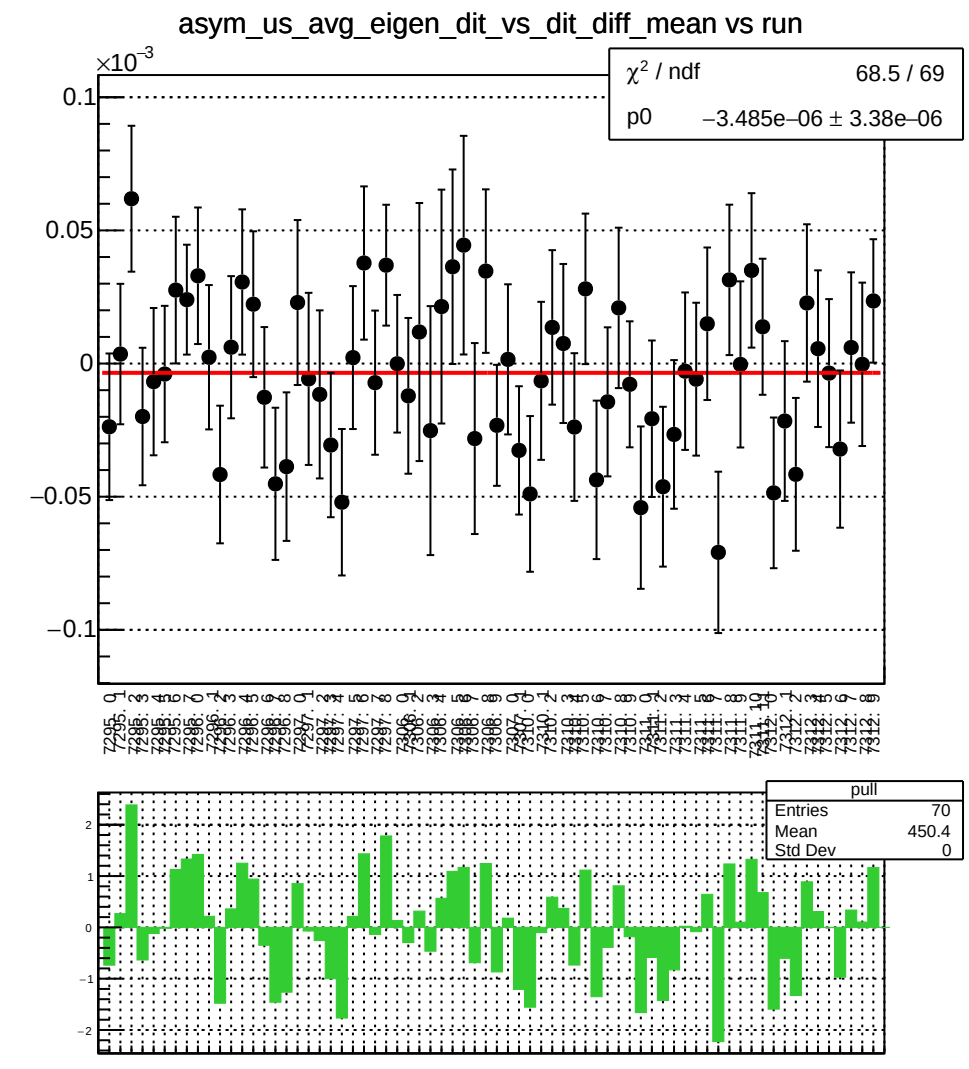

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.25 / 69
p0 0.04473 ± 0.09578
pull
Entries 70
Mean −27.22
Std Dev 0
pull1D
Entries 70
Mean −0.02124
Std Dev 1.009

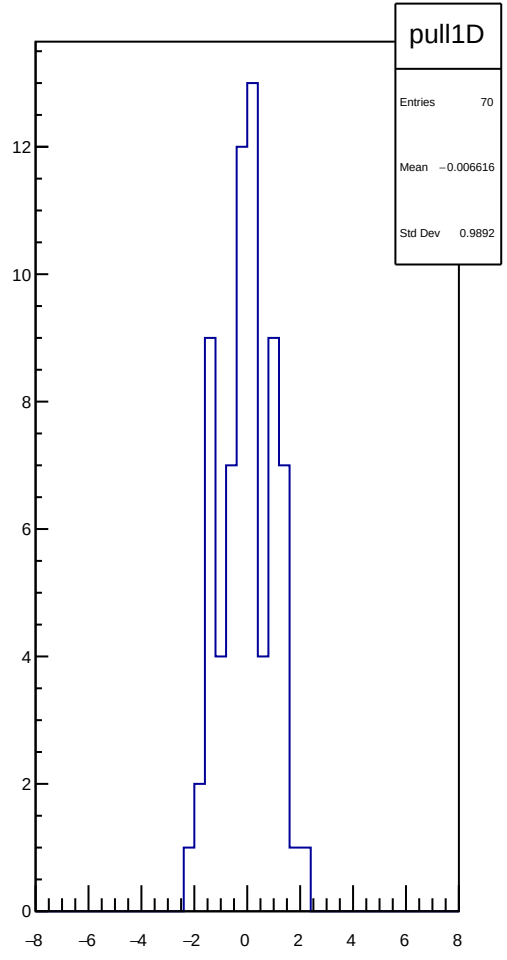

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.217e+05 / 69
p0 67.64 ± 0.06773
300
250
200
150
100
50

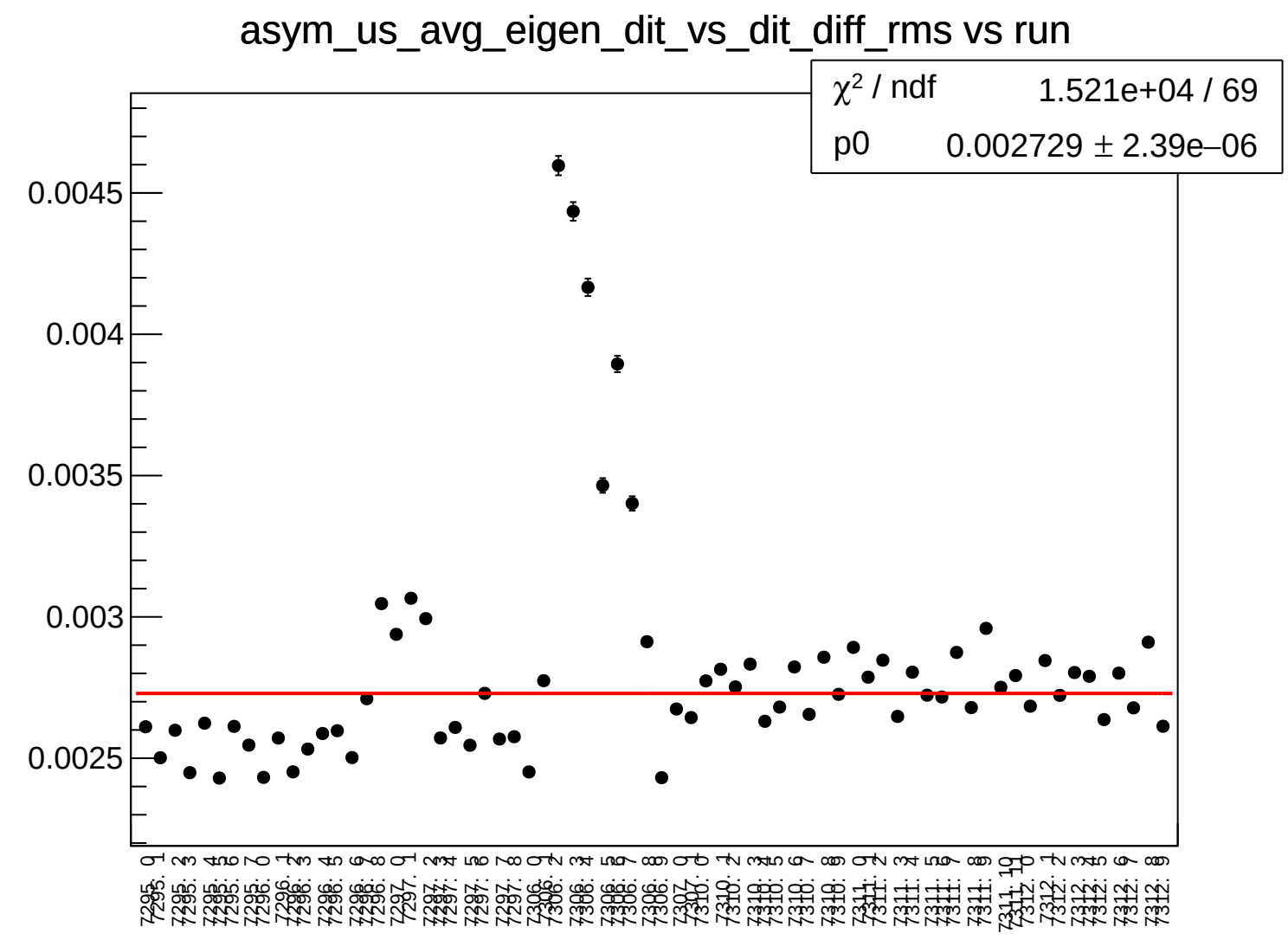

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 74.23 / 69
p0 0.154 ± 0.1289
pull
Entries 70
Mean 3.909
Std Dev 0

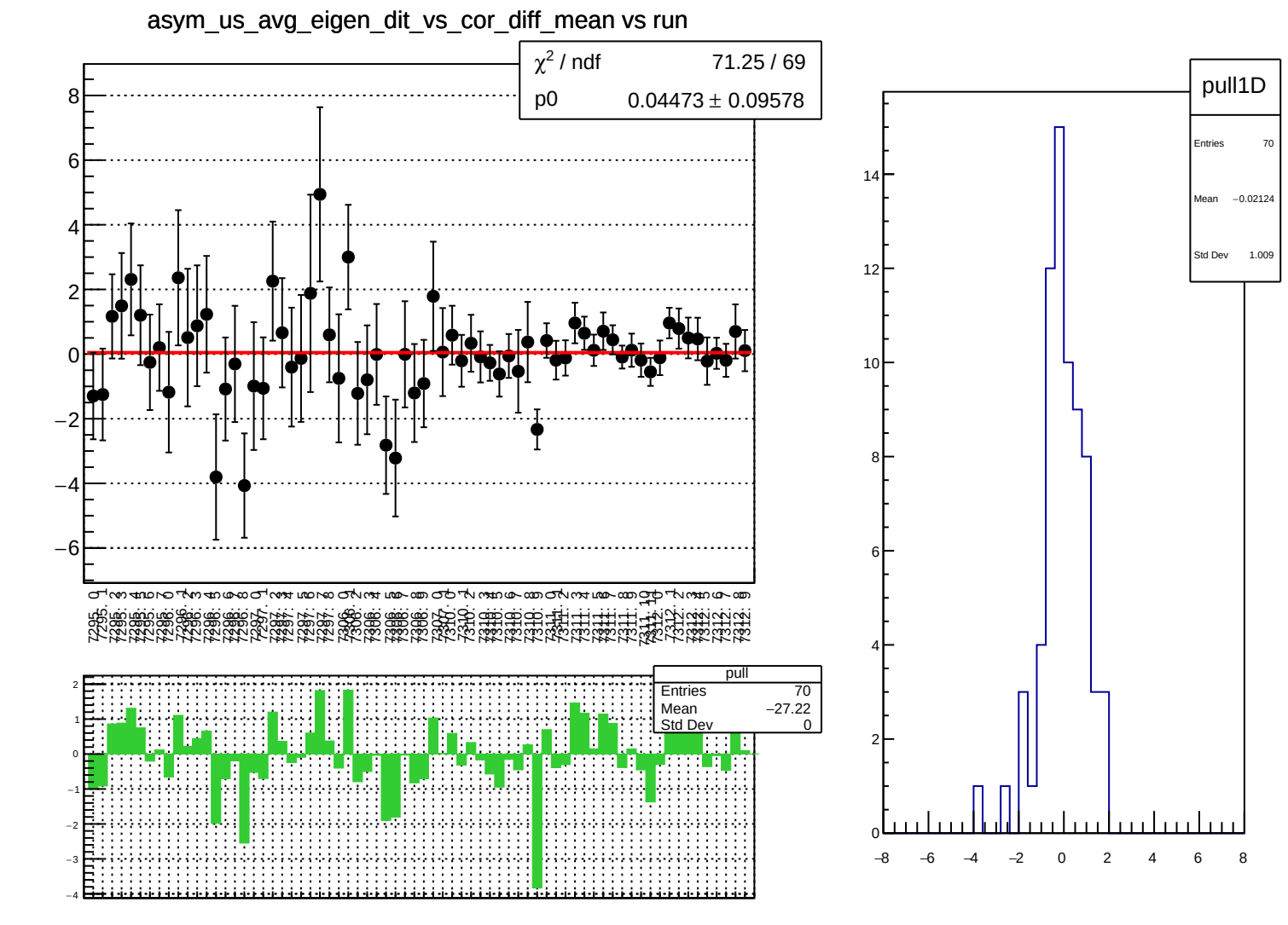

pull1D
Entries 70
Mean −0.04808
Std Dev 1.029

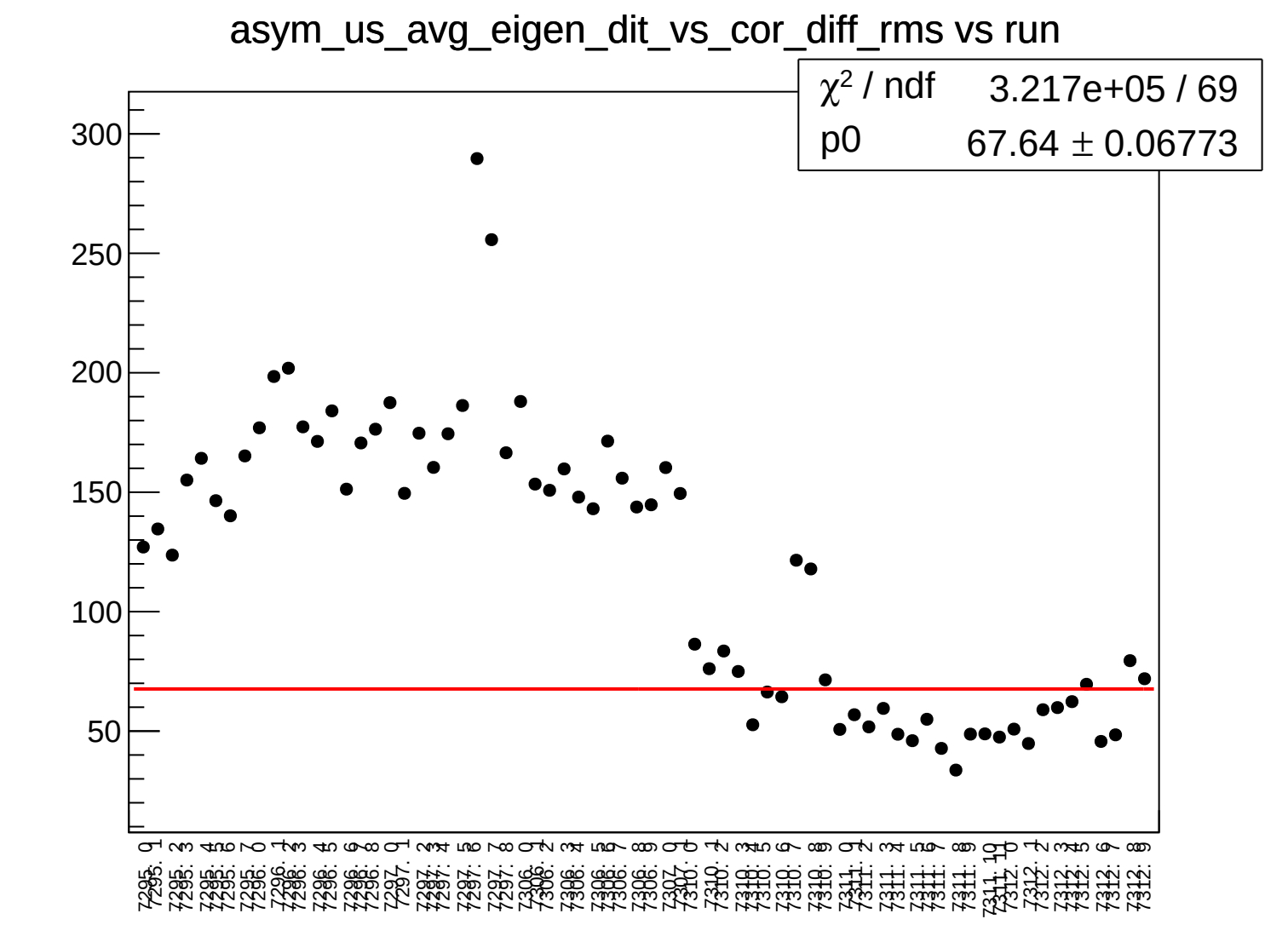

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.14e+05 / 69
p0 95.8 ± 0.09114
300
250
200
150
100
50

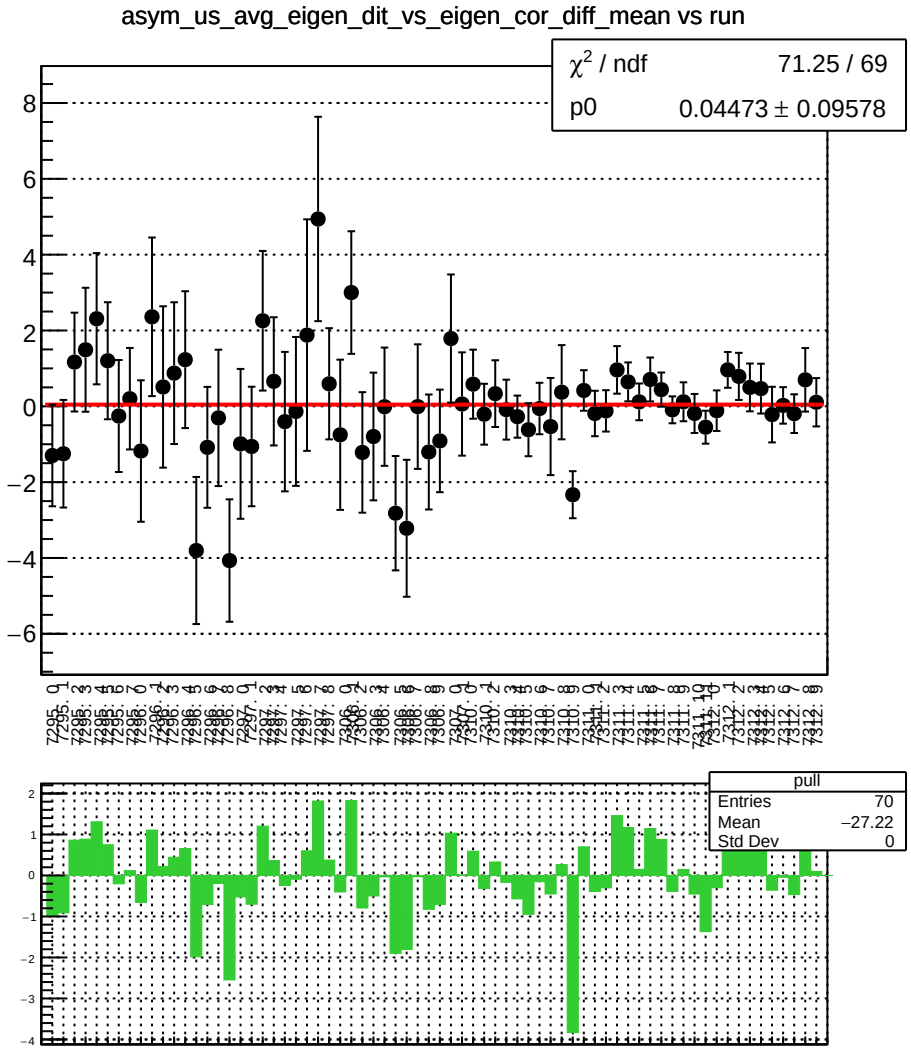

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.5 / 69
p0 −3.485e−06 ± 3.38e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 450.4
Std Dev 0
2
1
0
−1
−2

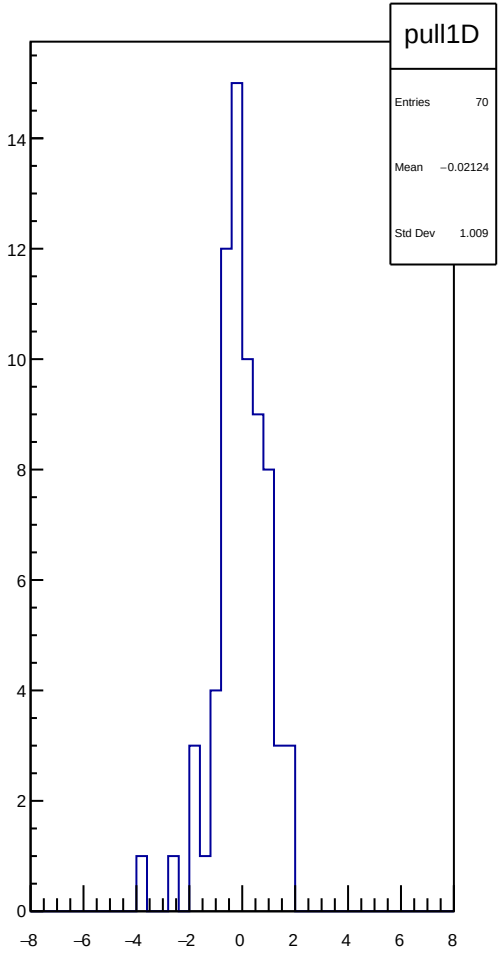

pull1D
Entries 70
Mean −0.006616
Std Dev 0.9892
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

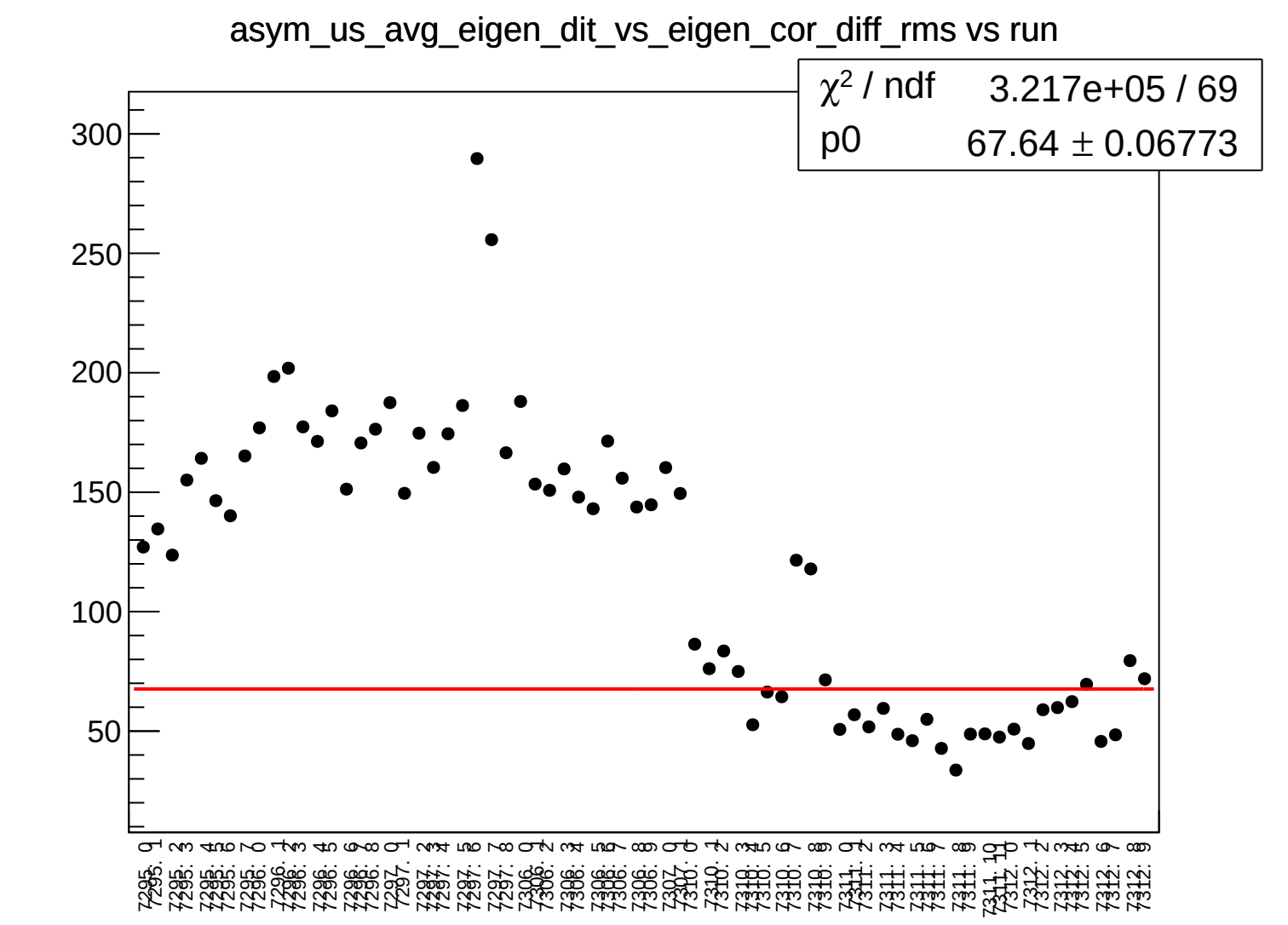

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.521e+04 / 69
p0 0.002729 ± 2.39e–06
0.0045
0.004
0.0035
0.003
0.0025

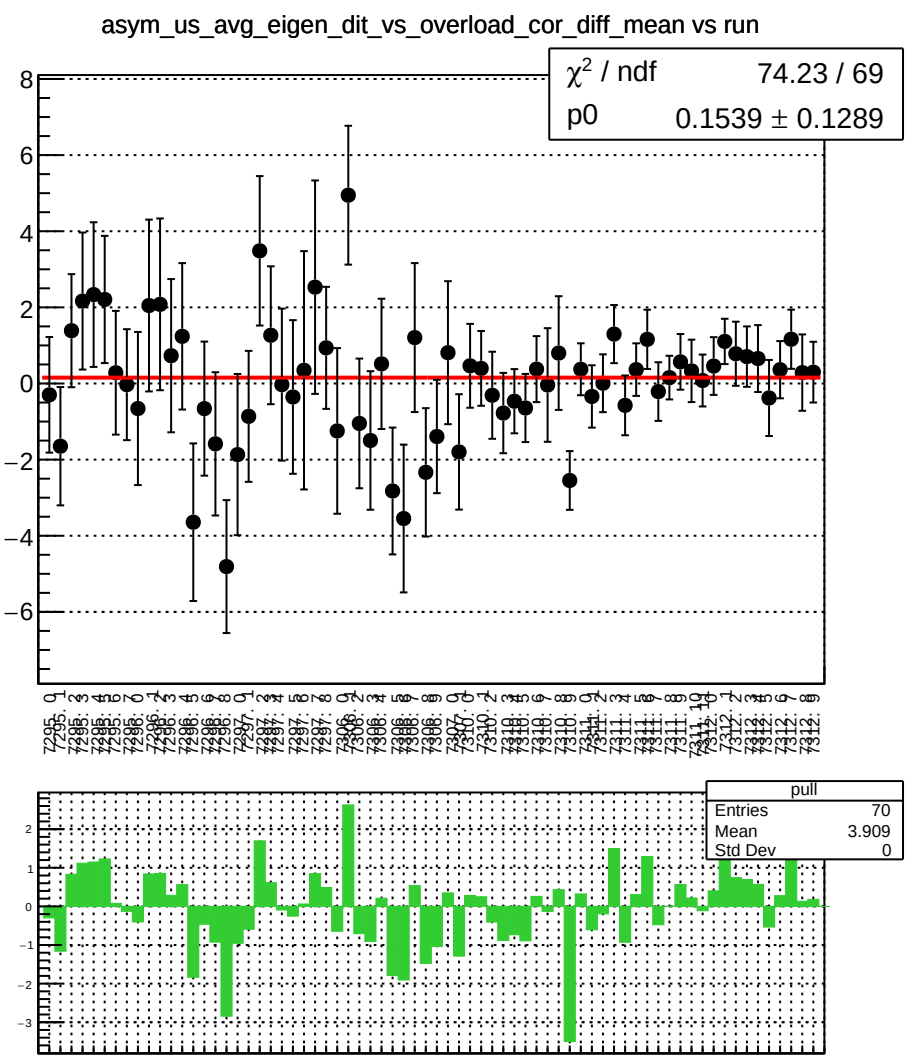

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.25 / 69
p0 0.04473 ± 0.09578
pull
Entries 70
Mean −27.22
Std Dev 0
pull1D
Entries 70
Mean −0.02124
Std Dev 1.009

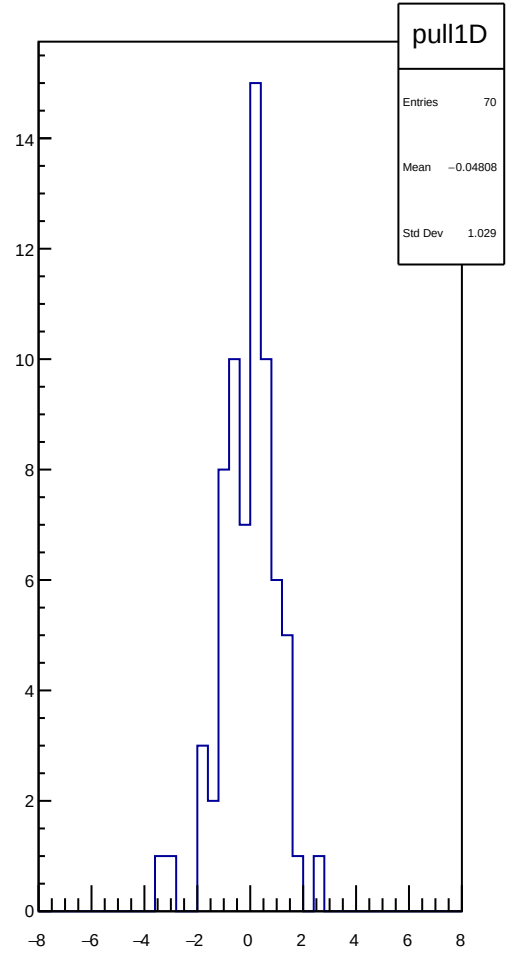

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.217e+05 / 69
p0 67.64 ± 0.06773
300
250
200
150
100
50

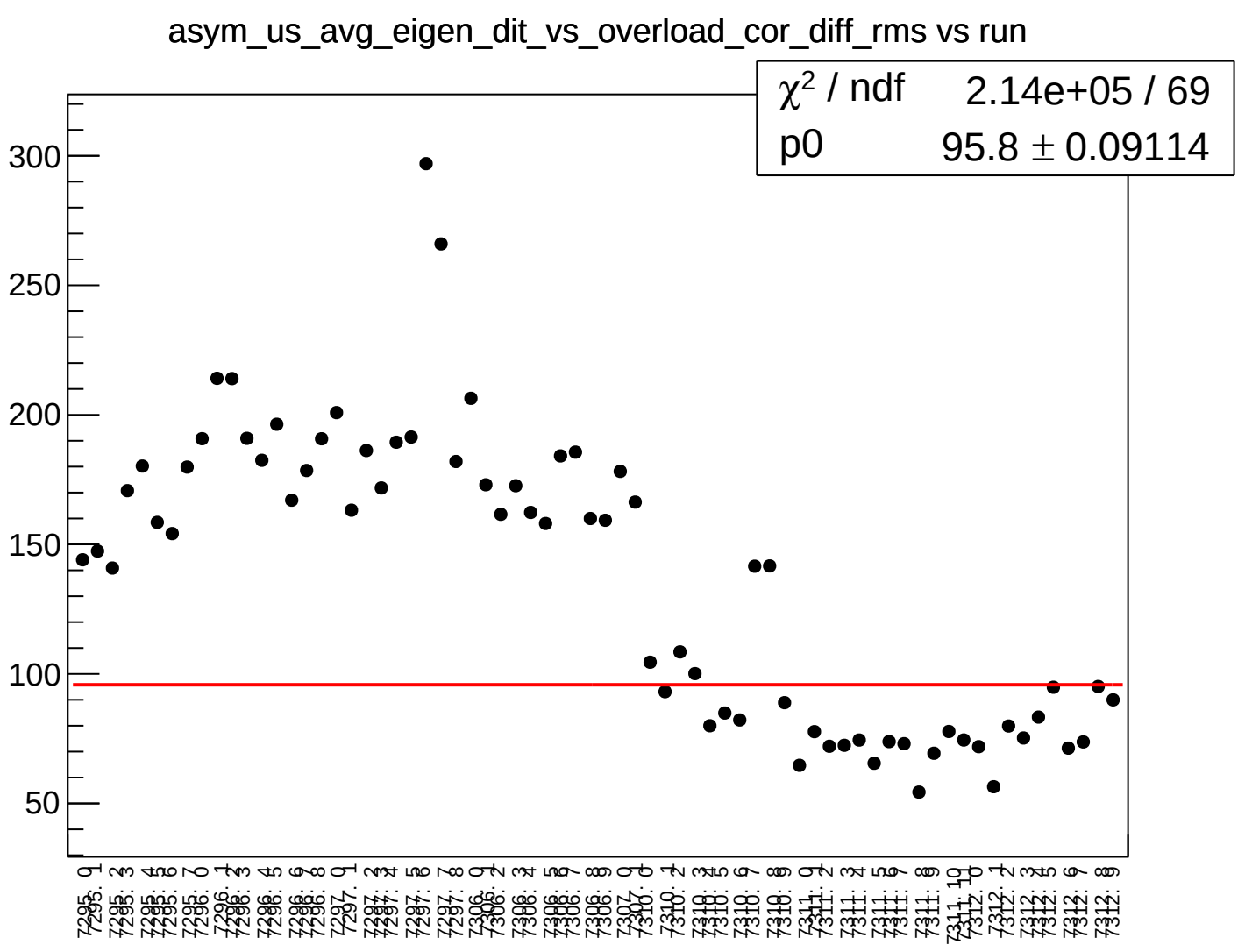

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.25 / 69
p0 0.04473 ± 0.09578
pull
Entries 70
Mean −27.22
Std Dev 0

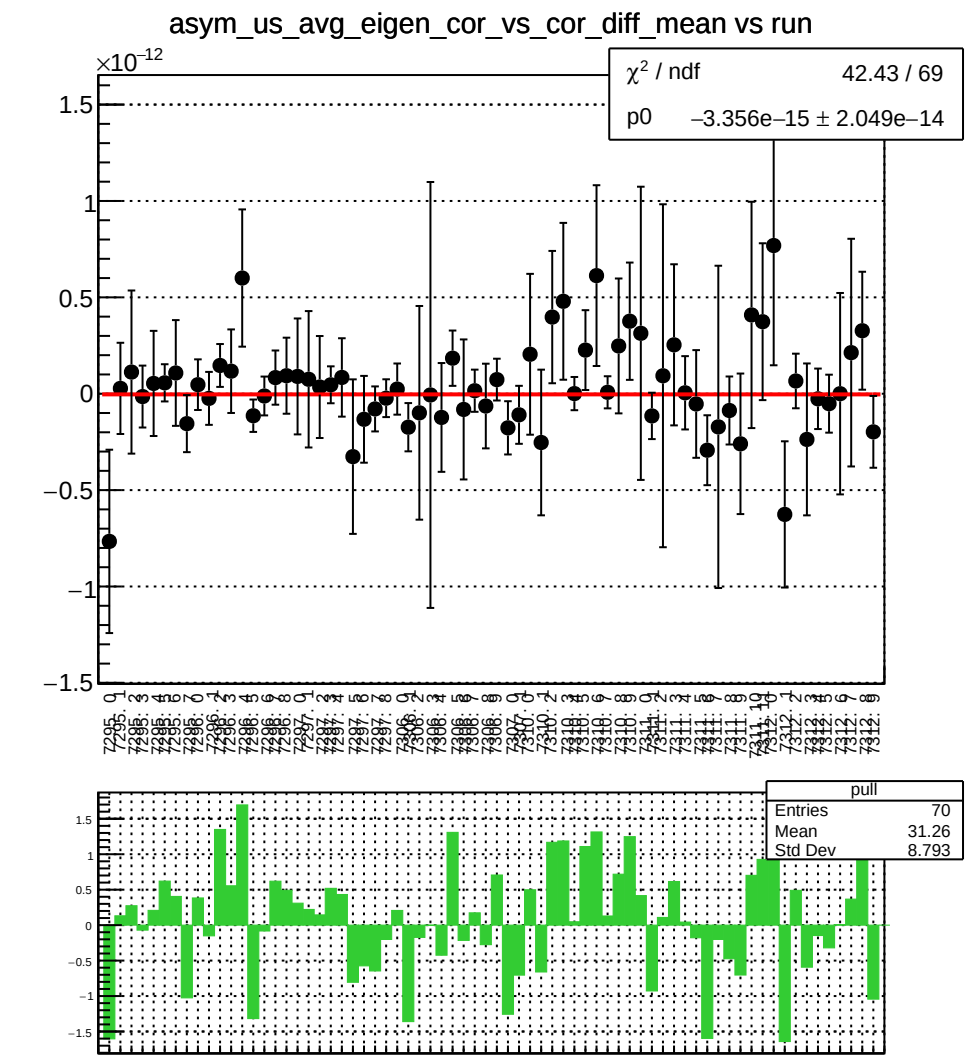

pull1D
Entries 70
Mean −0.02124
Std Dev 1.009

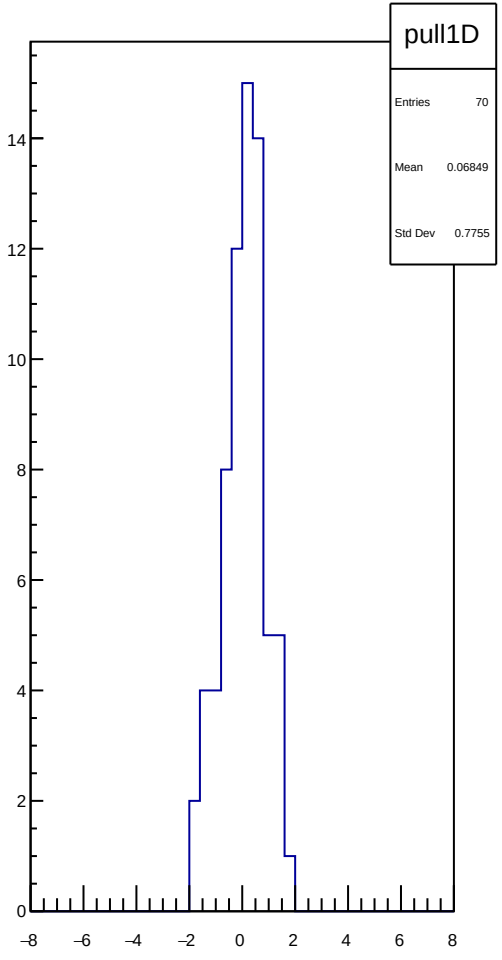

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.217e+05 / 69
p0 67.64 ± 0.06773
300
250
200
150
100
50

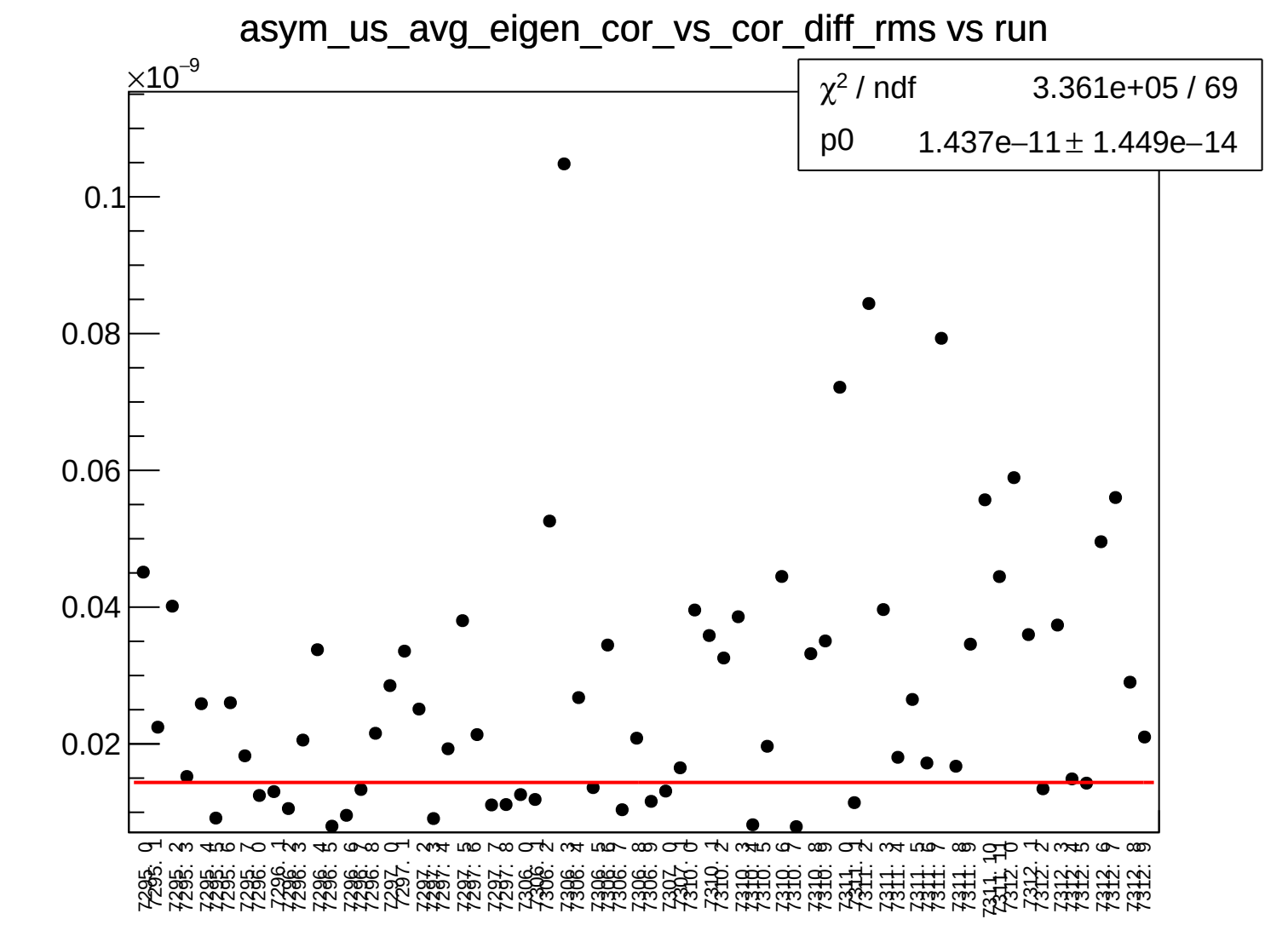

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 74.23 / 69
p0 0.1539 ± 0.1289
pull
Entries 70
Mean 3.909
Std Dev 0

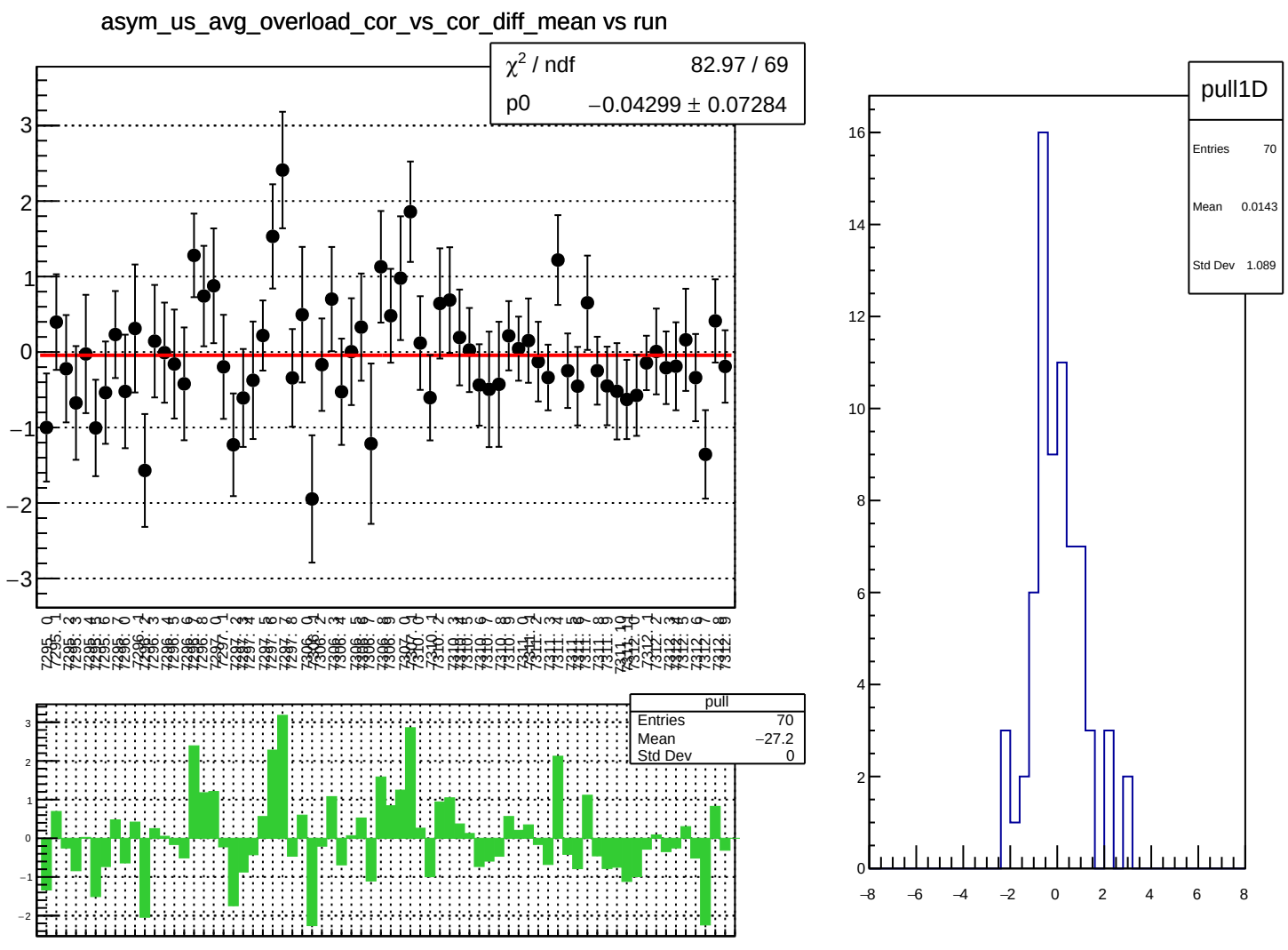

pull1D
Entries 70
Mean −0.04808
Std Dev 1.029

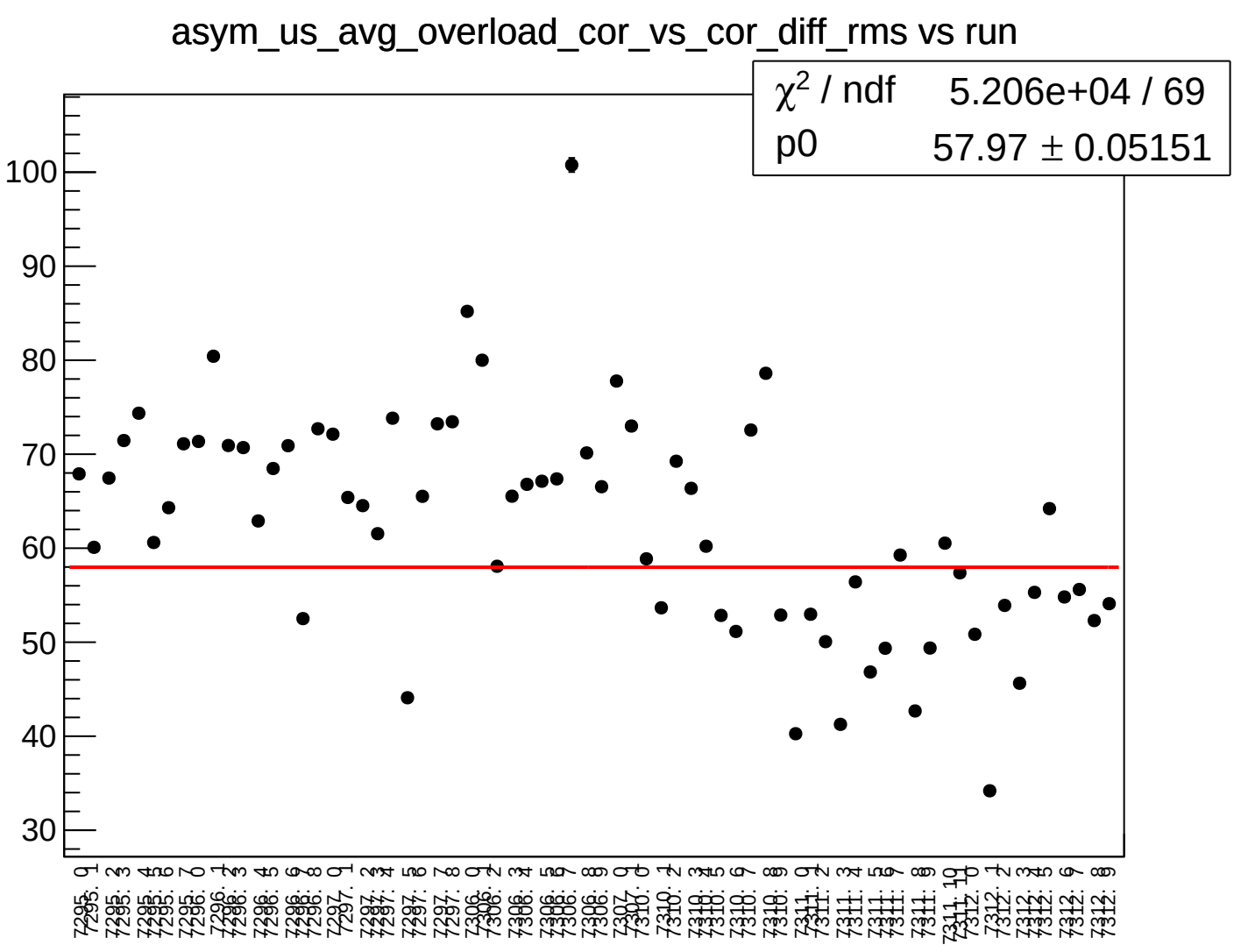

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.14e+05 / 69
p0 95.8 ± 0.09114
300
250
200
150
100
50

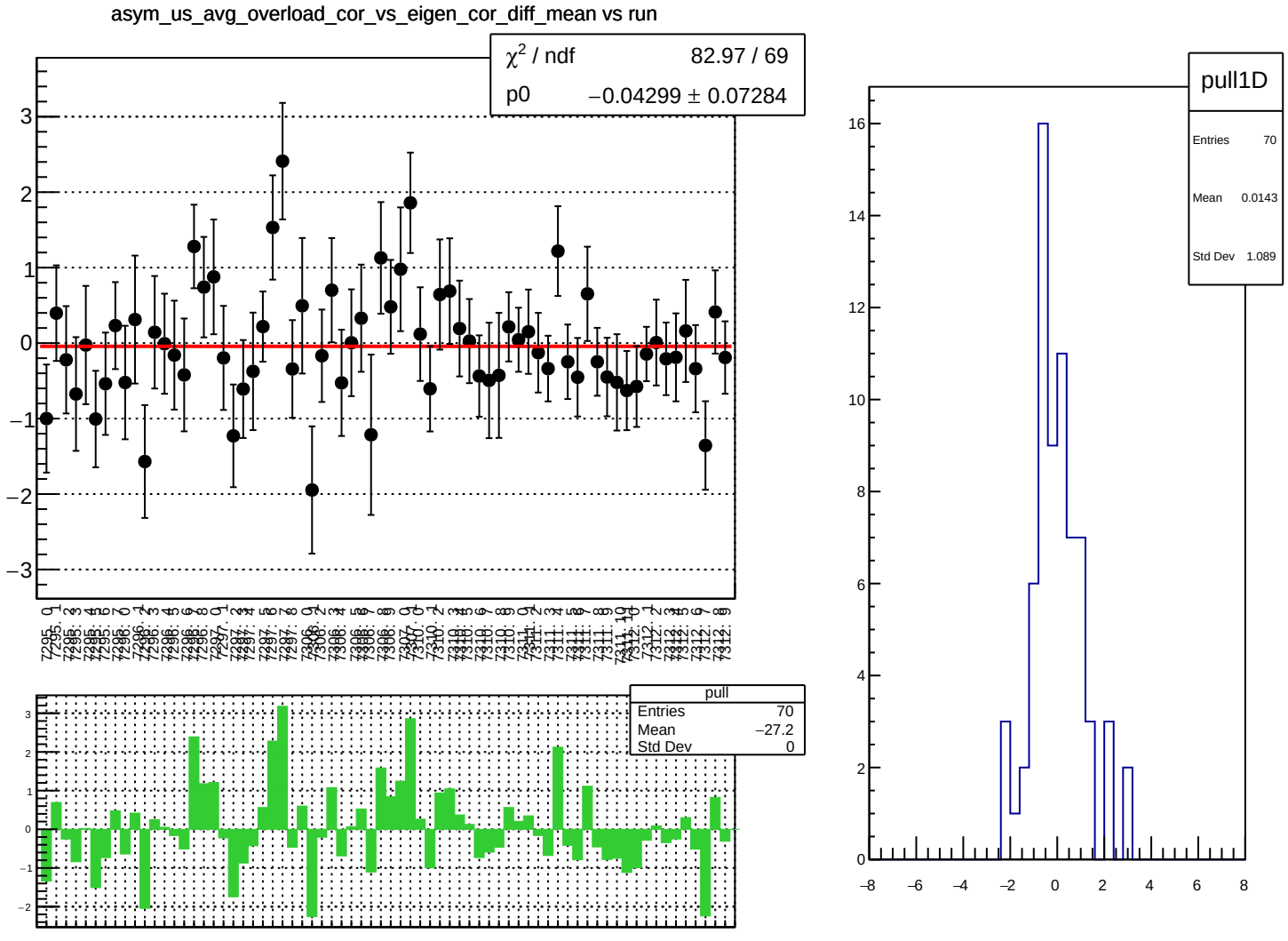

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.43 / 69
p0 −3.356e−15 ± 2.049e−14
pull
Entries 70
Mean 31.26
Std Dev 8.793

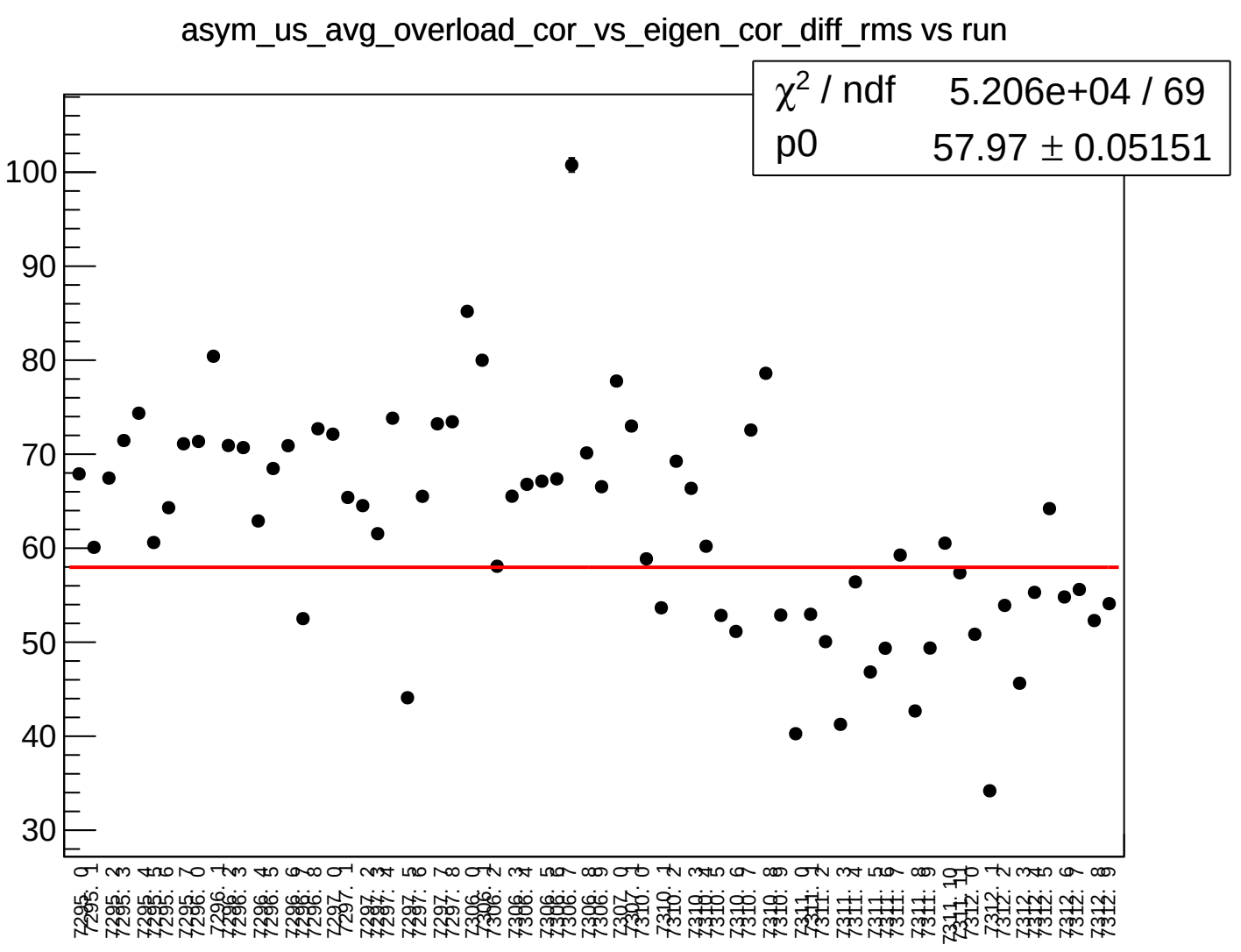

pull1D
Entries 70
Mean 0.06849
Std Dev 0.7755

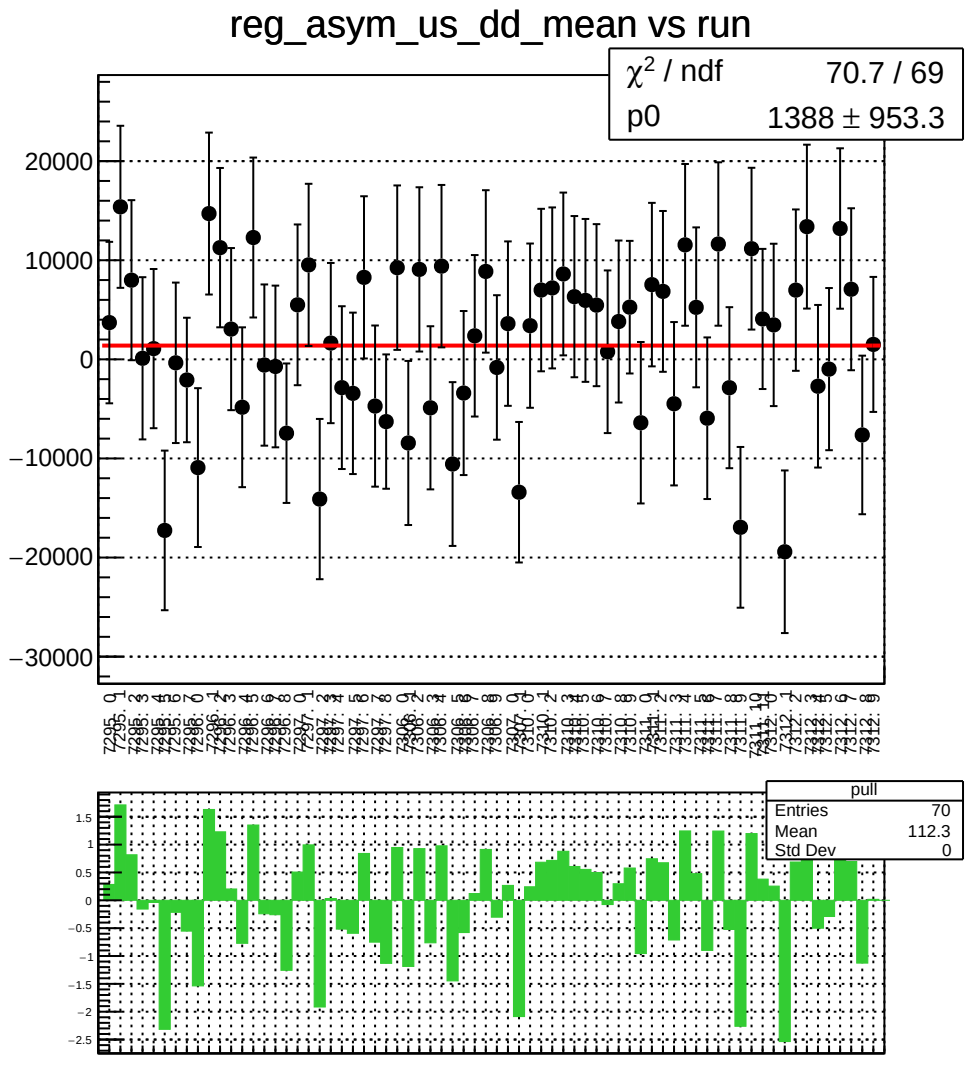

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.361e+05 / 69
p0 1.437e−11 ± 1.449e−14
0.1
0.08
0.06
0.04
0.02

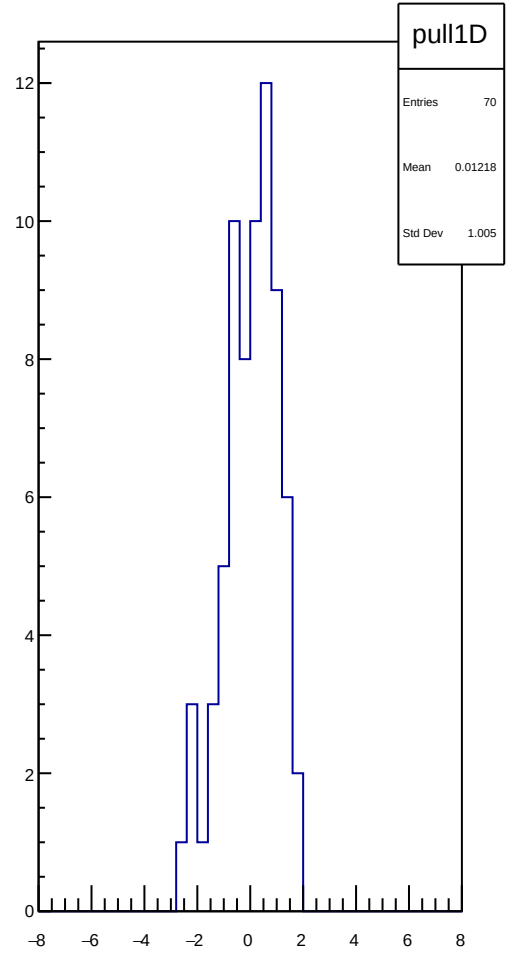

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 82.97 / 69
p0 −0.04299 ± 0.07284
pull
Entries 70
Mean −27.2
Std Dev 0
pull1D
Entries 70
Mean 0.0143
Std Dev 1.089

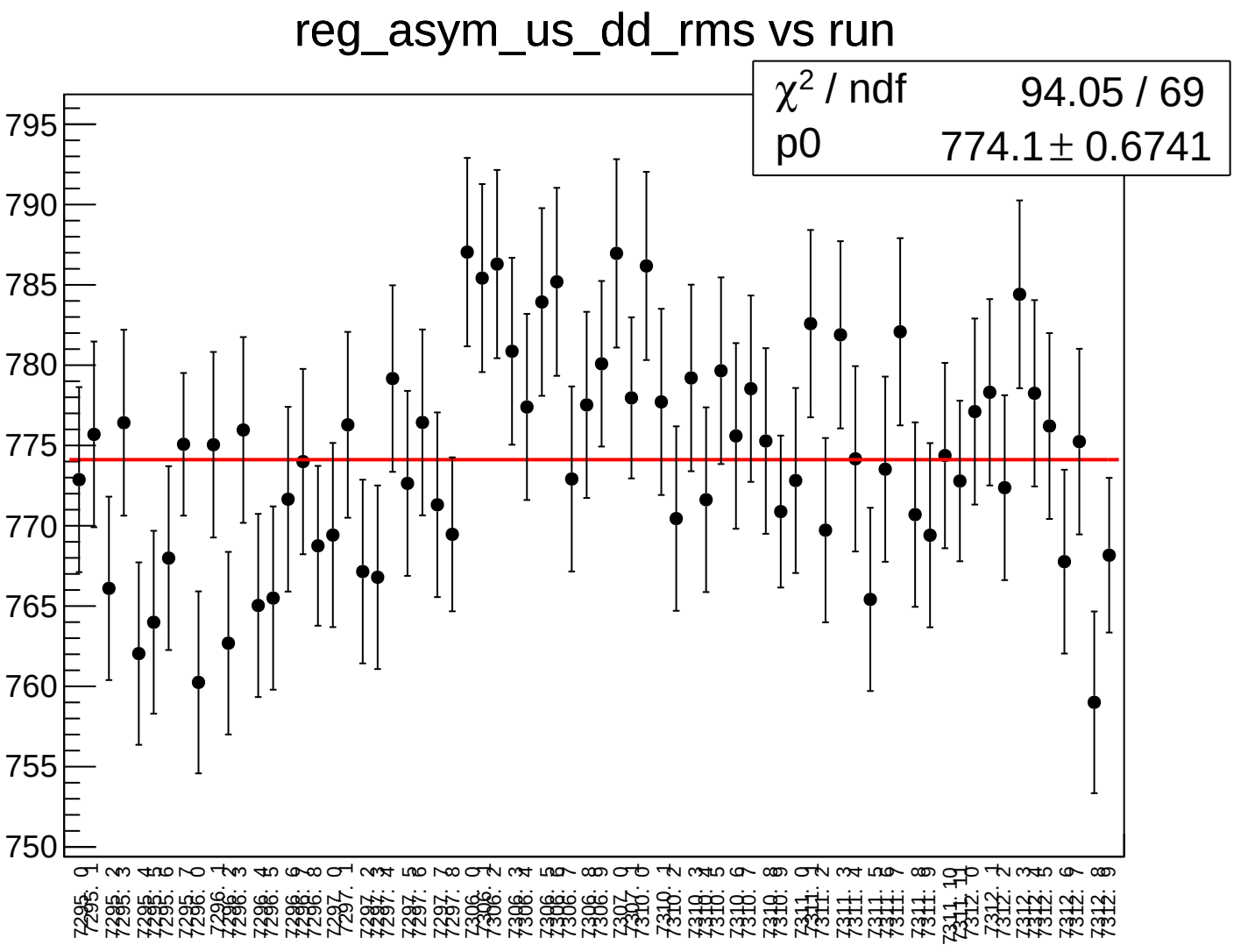

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.206e+04 / 69
p0 57.97 ± 0.05151
100
90
80
70
60
50
40
30

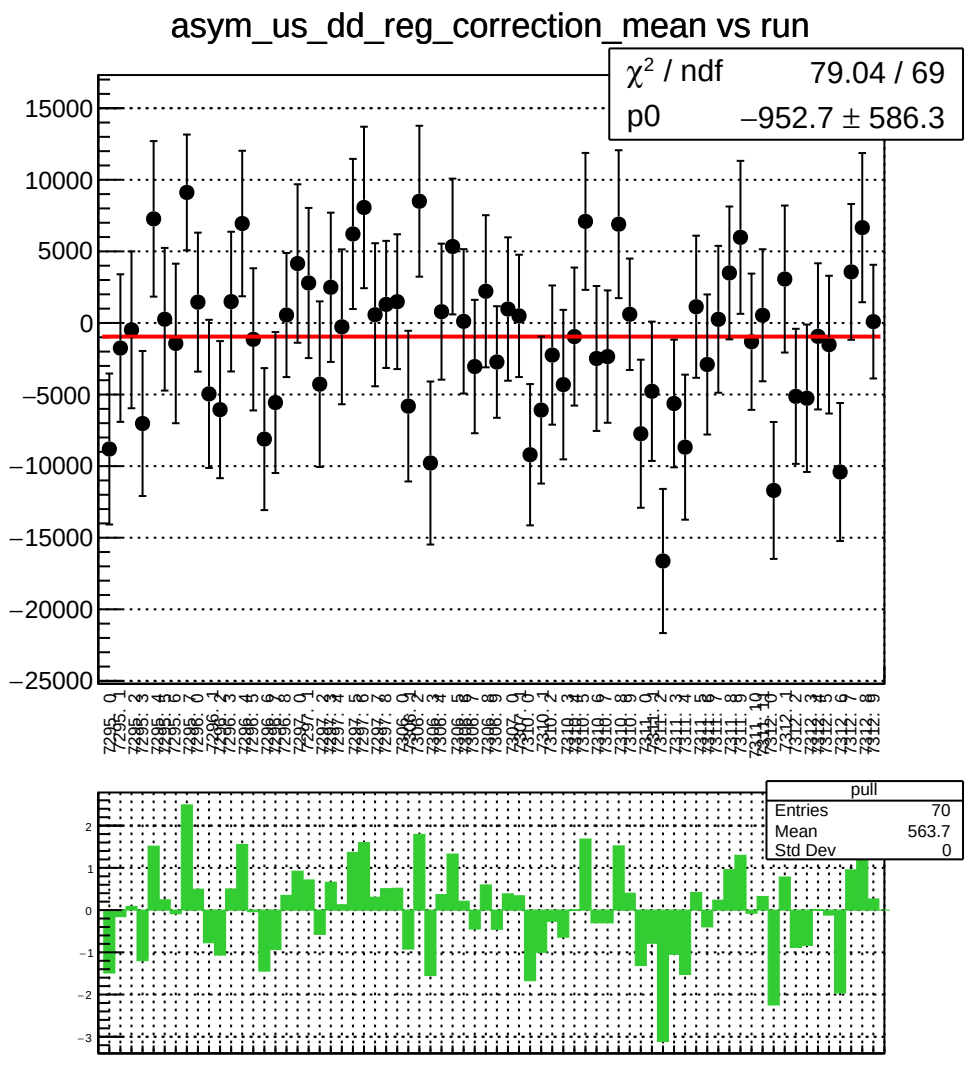

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.97 / 69
p0 −0.04299 ± 0.07284
pull
Entries 70
Mean −27.2
Std Dev 0
pull1D
Entries 70
Mean 0.0143
Std Dev 1.089

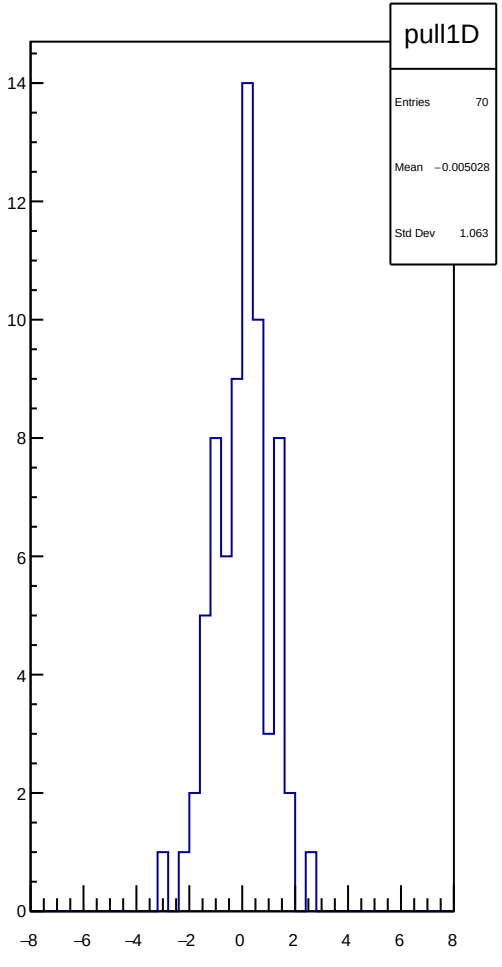

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.206e+04 / 69
p0 57.97 ± 0.05151
100
90
80
70
60
50
40
30

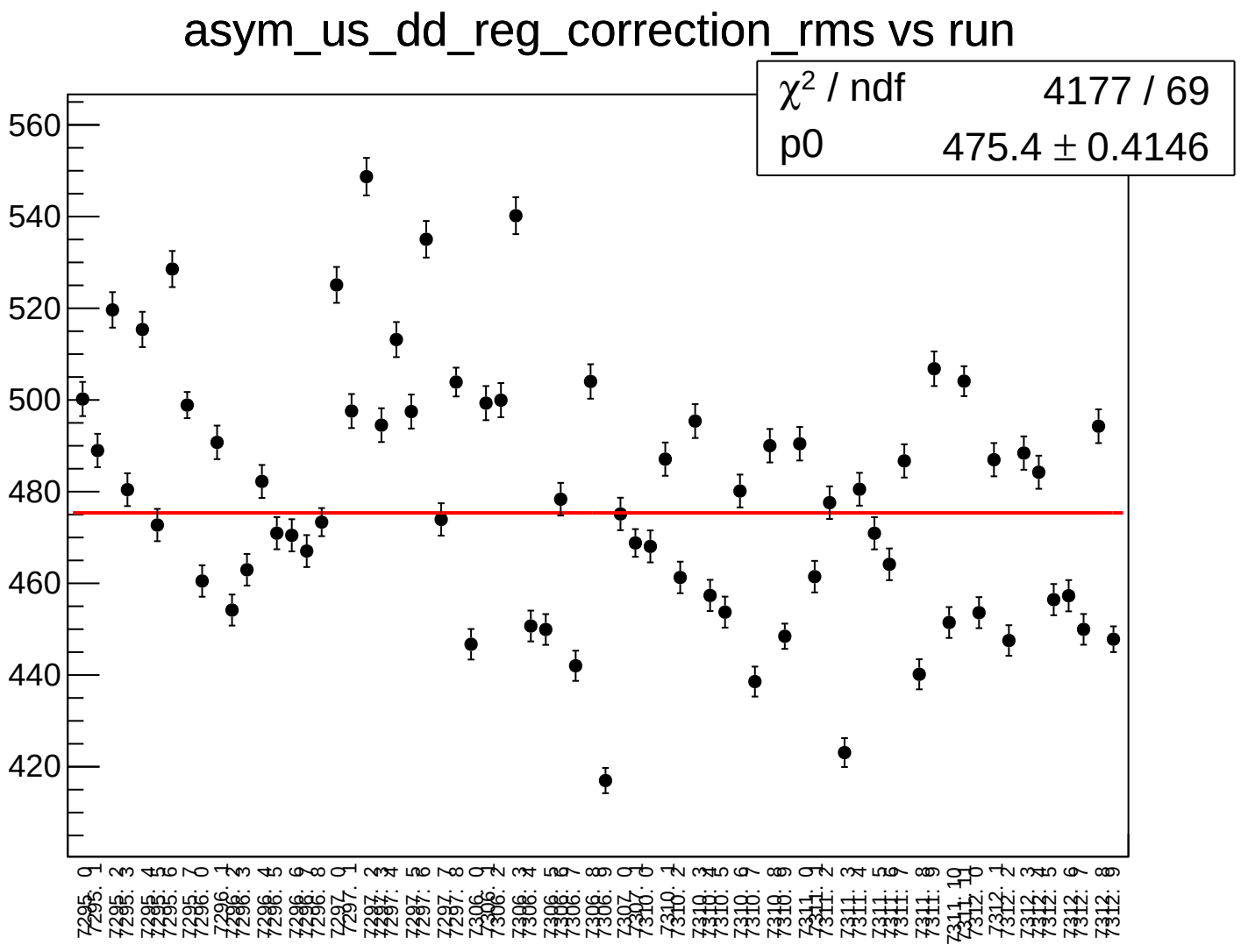

reg_asym_us_dd_mean vs run
χ² / ndf 70.7 / 69
p0 1388 ± 953.3
pull
Entries 70
Mean 112.3
Std Dev 0

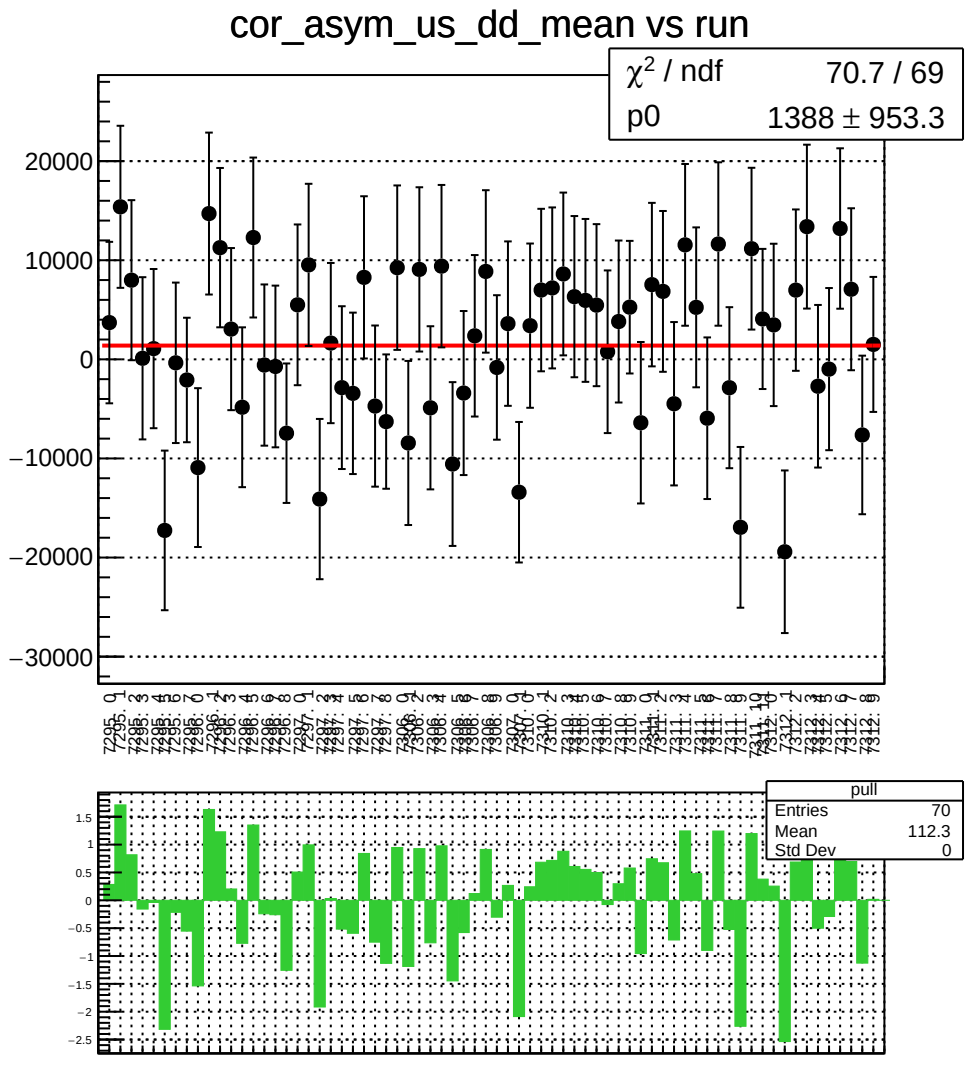

pull1D
Entries 70
Mean 0.01218
Std Dev 1.005

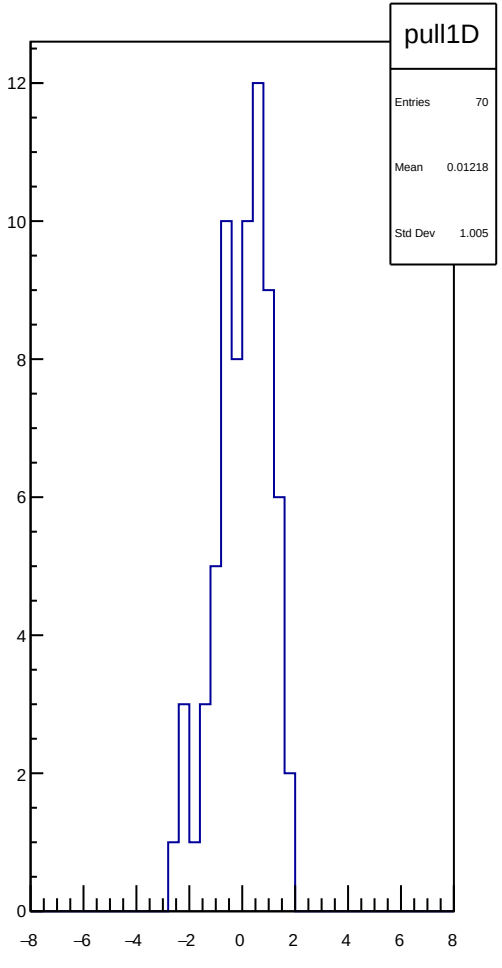

reg_asym_us_dd_rms vs run
χ^2 / ndf 94.05 / 69
p0 774.1 ± 0.6741
795
790
785
780
775
770
765
760
755
750

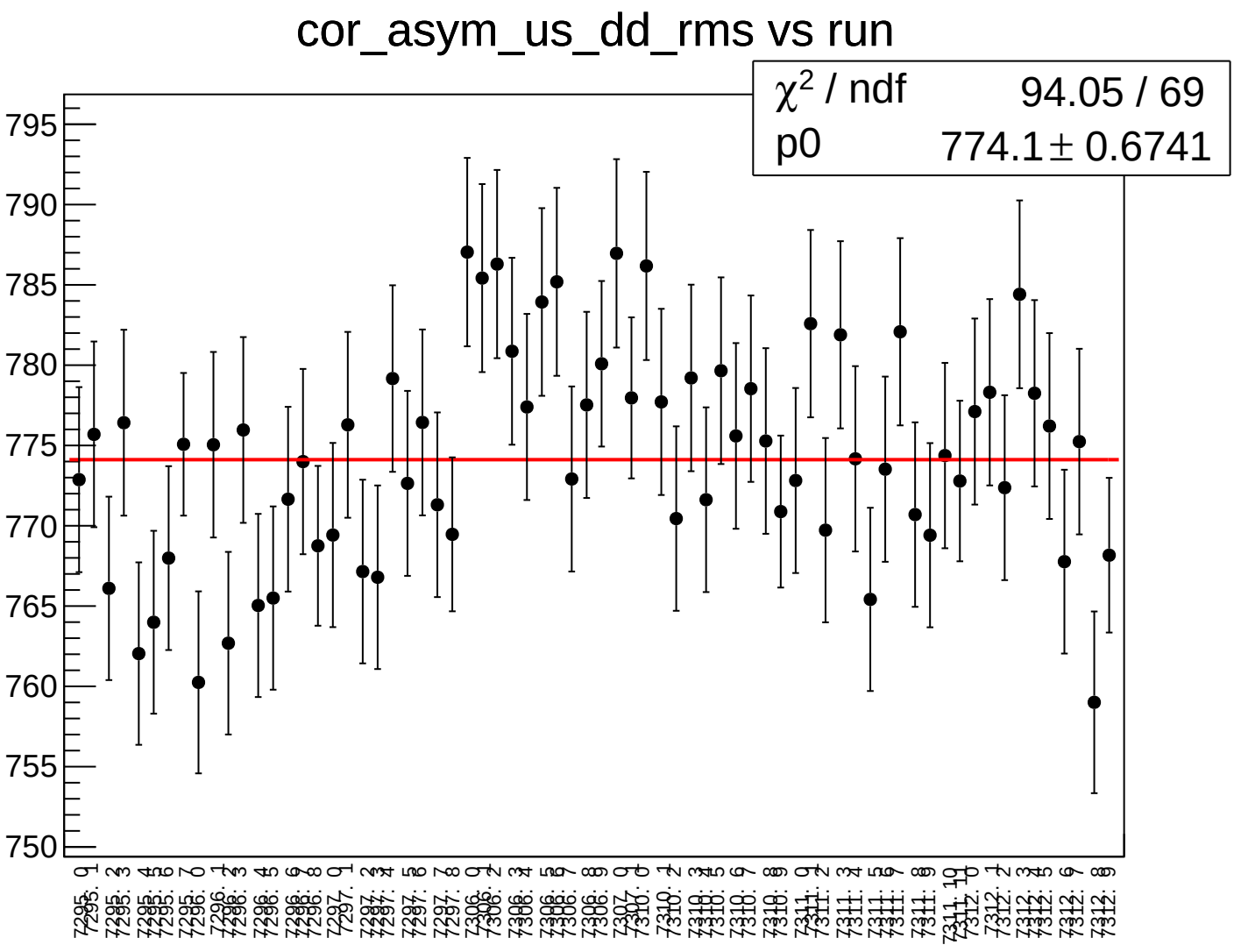

asym_us_dd_reg_correction_mean vs run
χ² / ndf 79.04 / 69
p0 −952.7 ± 586.3
pull
Entries 70
Mean 563.7
Std Dev 0

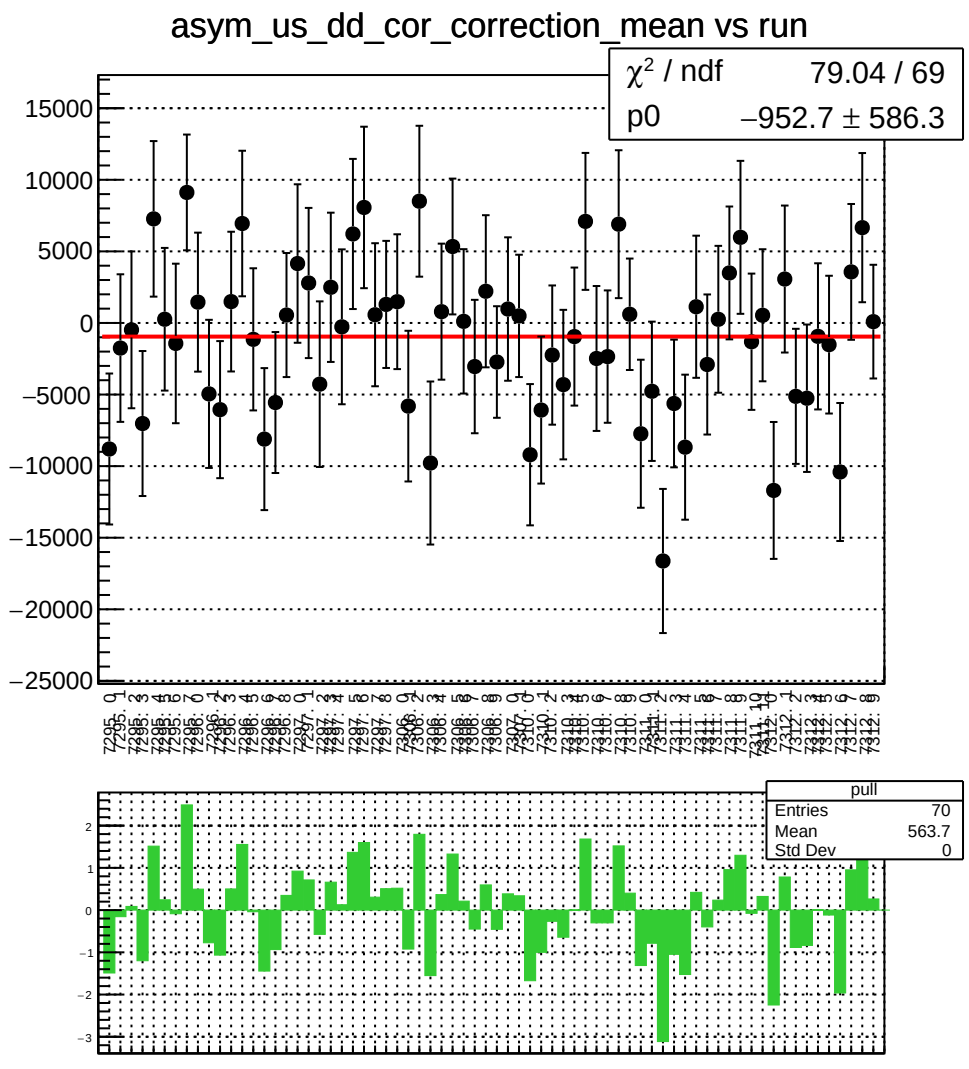

pull1D
Entries 70
Mean −0.005028
Std Dev 1.063

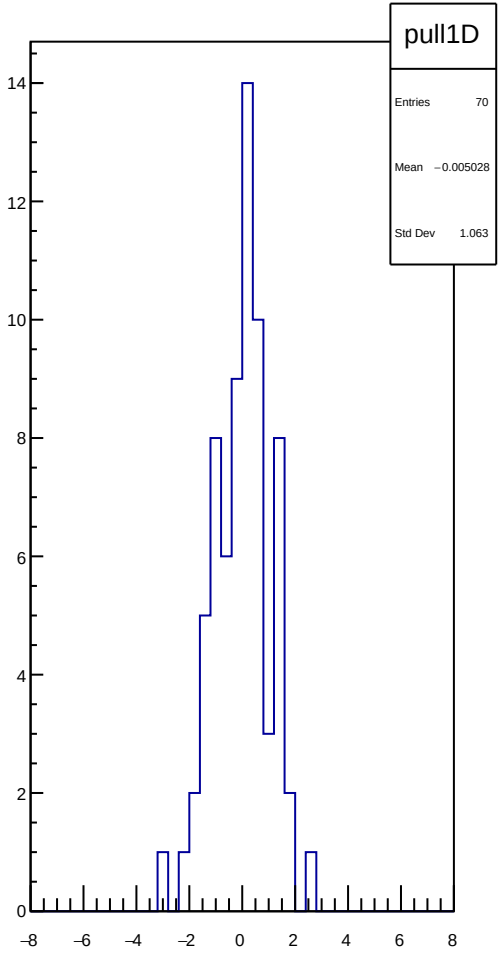

asym_us_dd_reg_correction_rms vs run
χ² / ndf 4177 / 69
p0 475.4 ± 0.4146
560
540
520
500
480
460
440
420

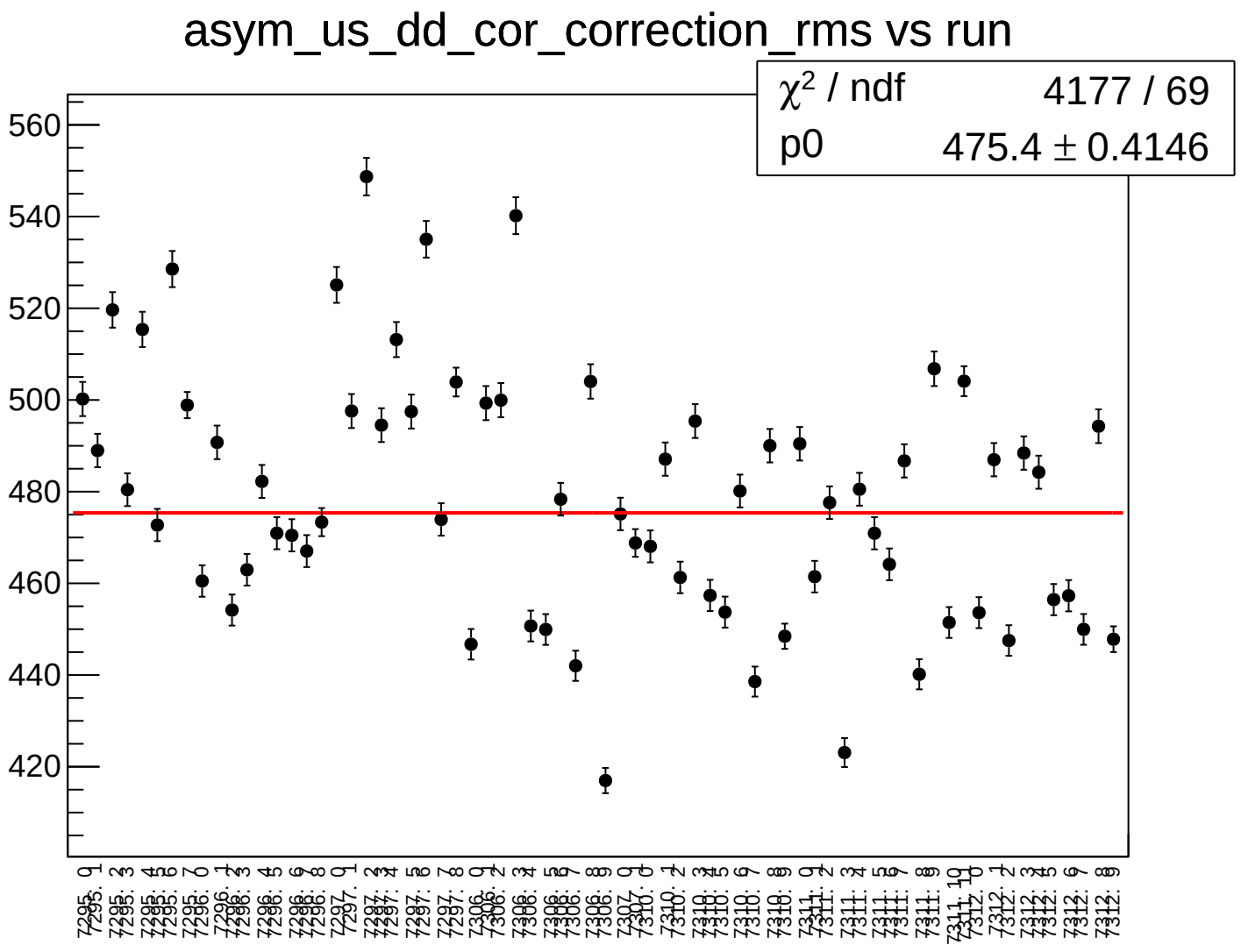

cor_asym_us_dd_mean vs run
χ^2 / ndf 70.7 / 69
p0 1388 ± 953.3
pull
Entries 70
Mean 112.3
Std Dev 0

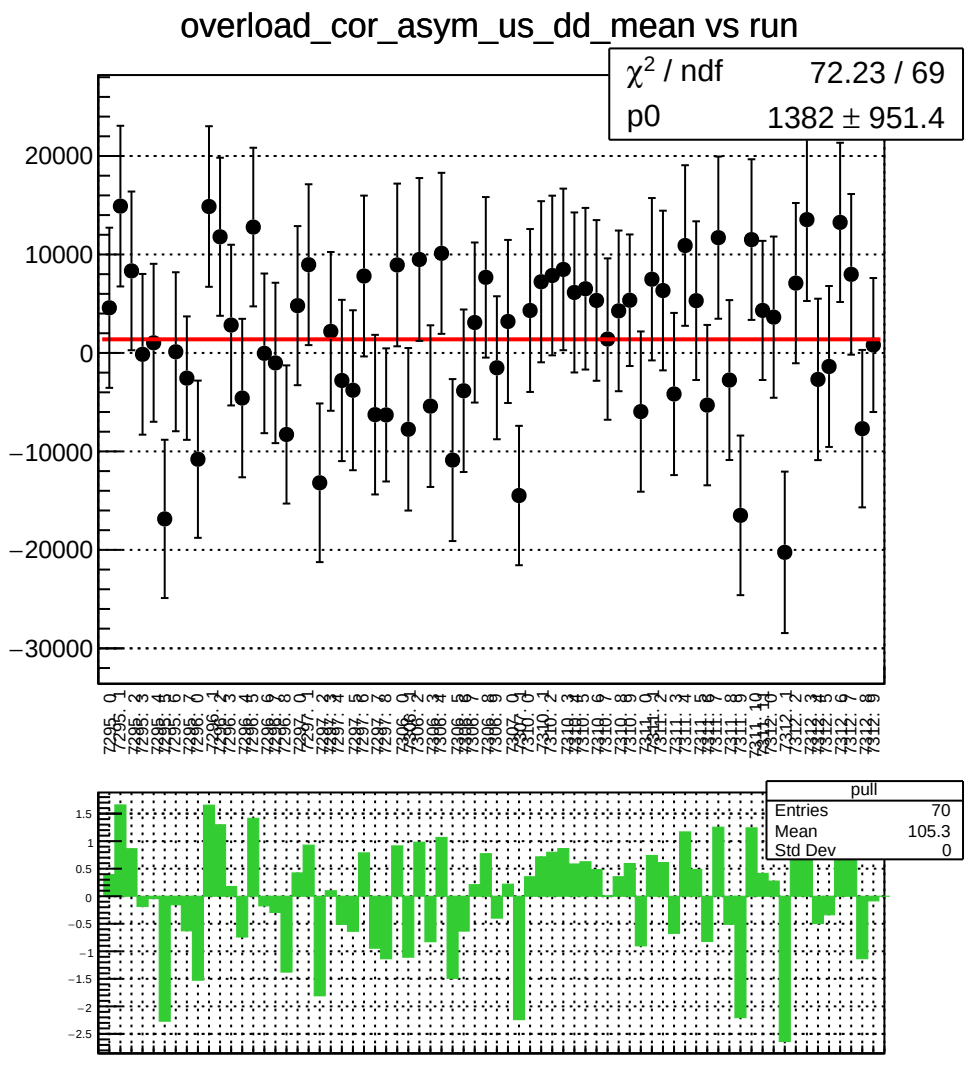

pull1D
Entries 70
Mean 0.01218
Std Dev 1.005

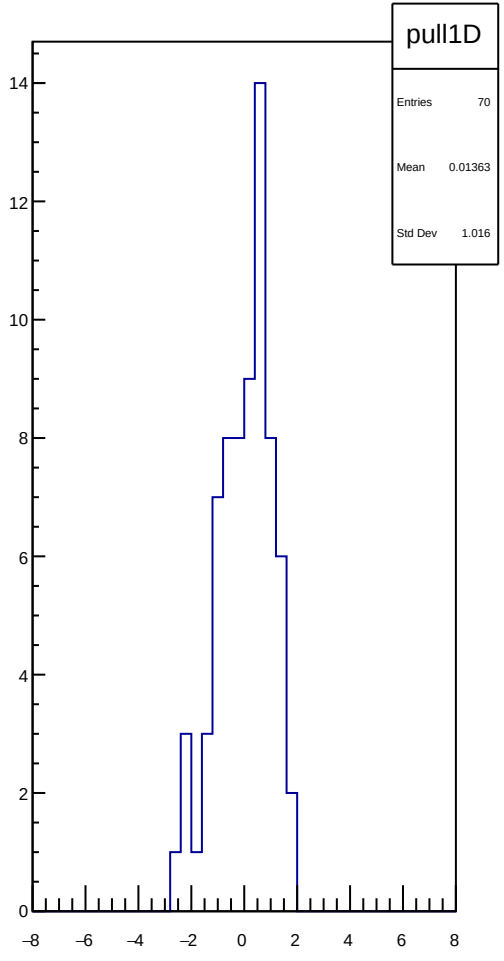

cor_asym_us_dd_rms vs run
χ^2 / ndf 94.05 / 69
p0 774.1 ± 0.6741
795
790
785
780
775
770
765
760
755
750

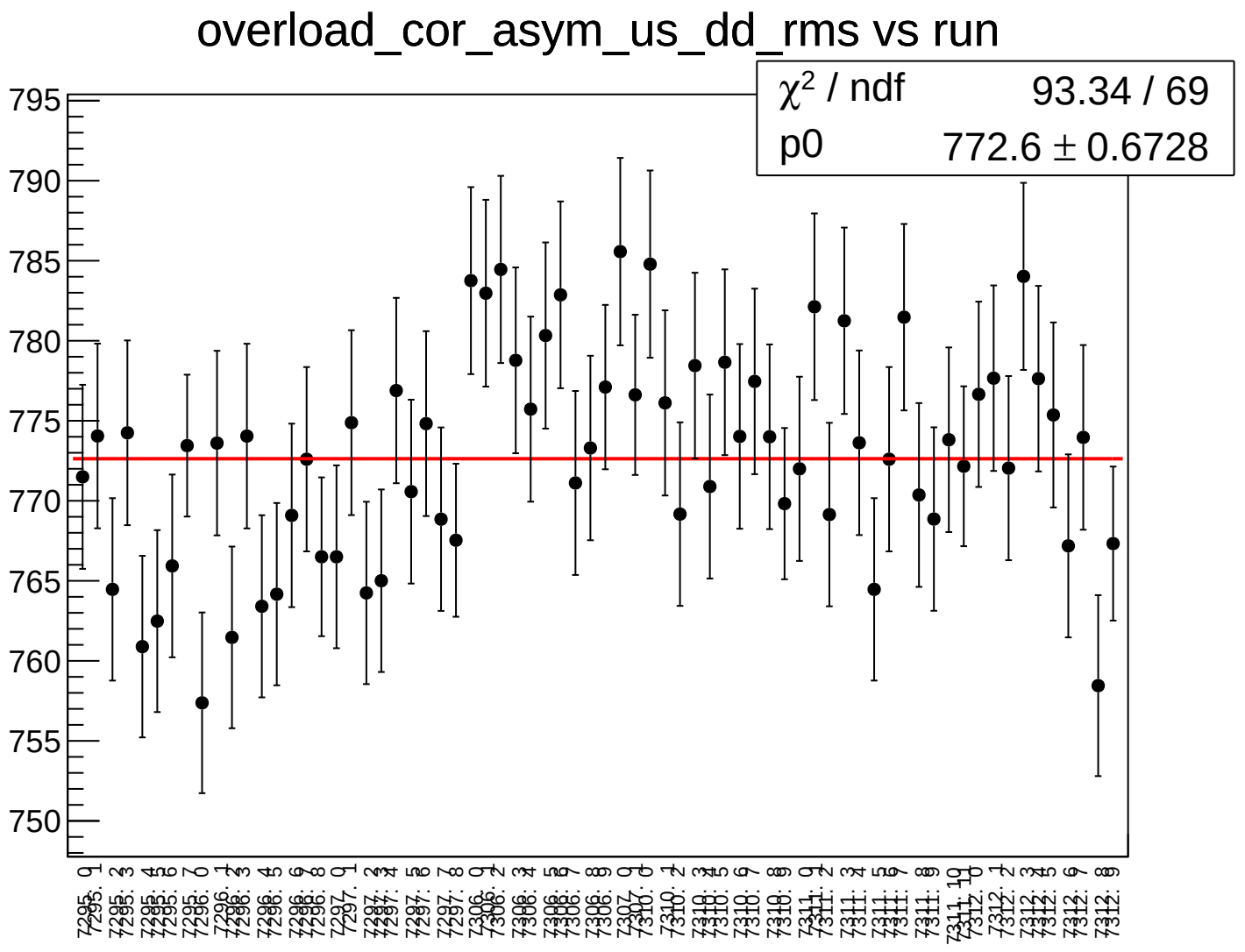

asym_us_dd_cor_correction_mean vs run
χ² / ndf 79.04 / 69
p0 −952.7 ± 586.3
pull
Entries 70
Mean 563.7
Std Dev 0

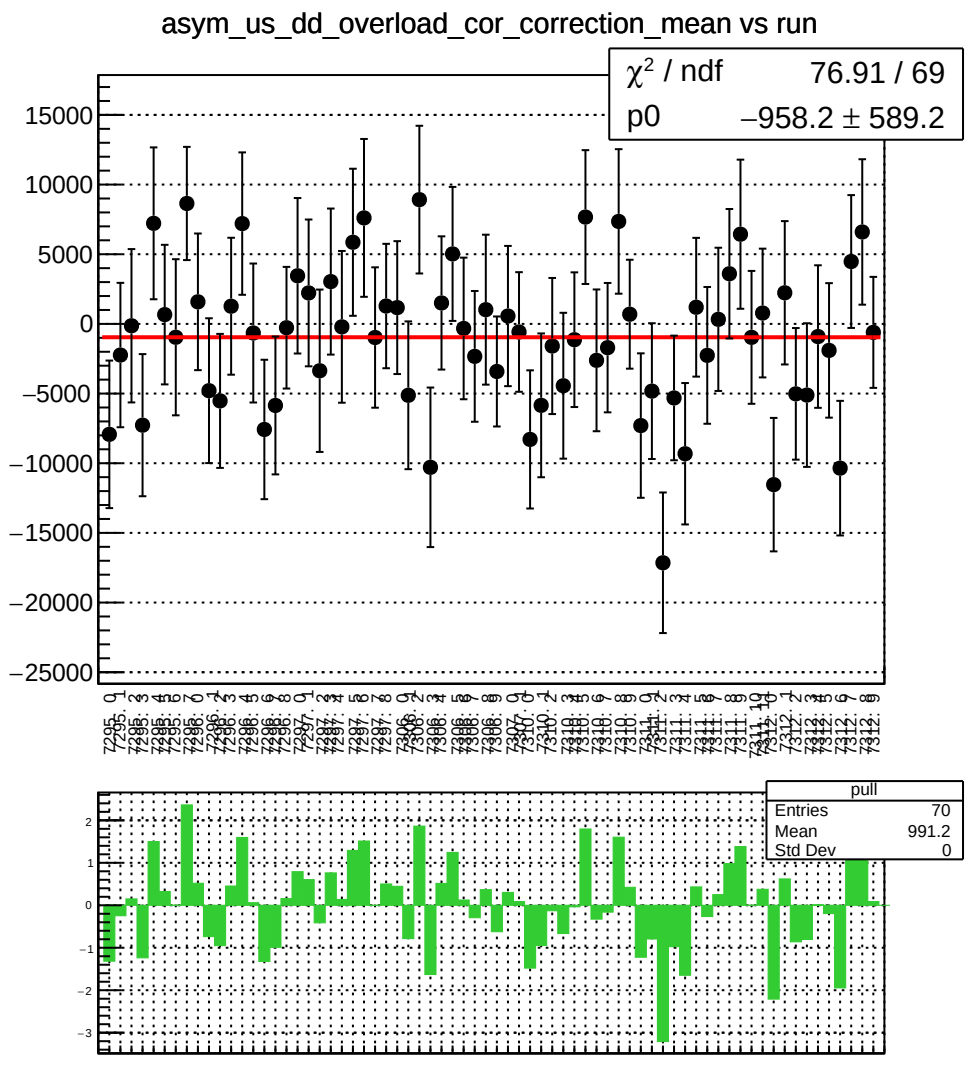

pull1D
Entries 70
Mean −0.005028
Std Dev 1.063

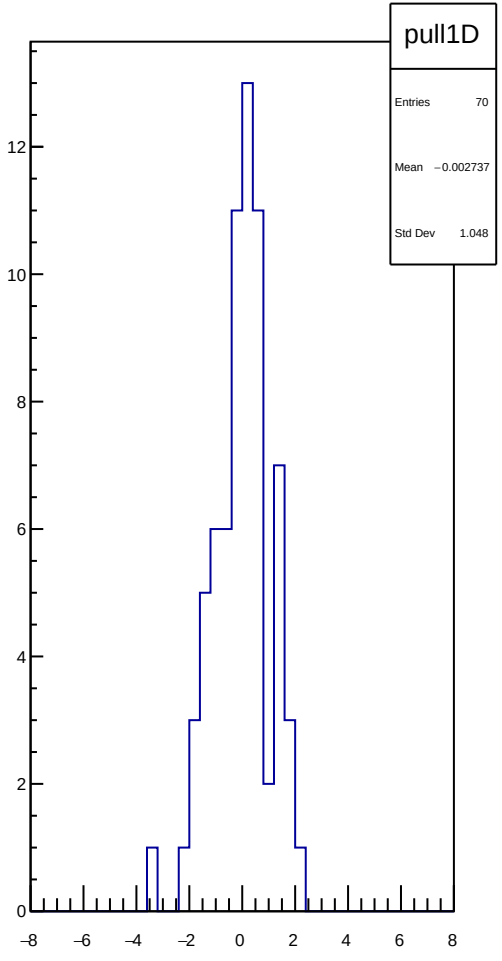

asym_us_dd_cor_correction_rms vs run
χ² / ndf 4177 / 69
p0 475.4 ± 0.4146
560
540
520
500
480
460
440
420

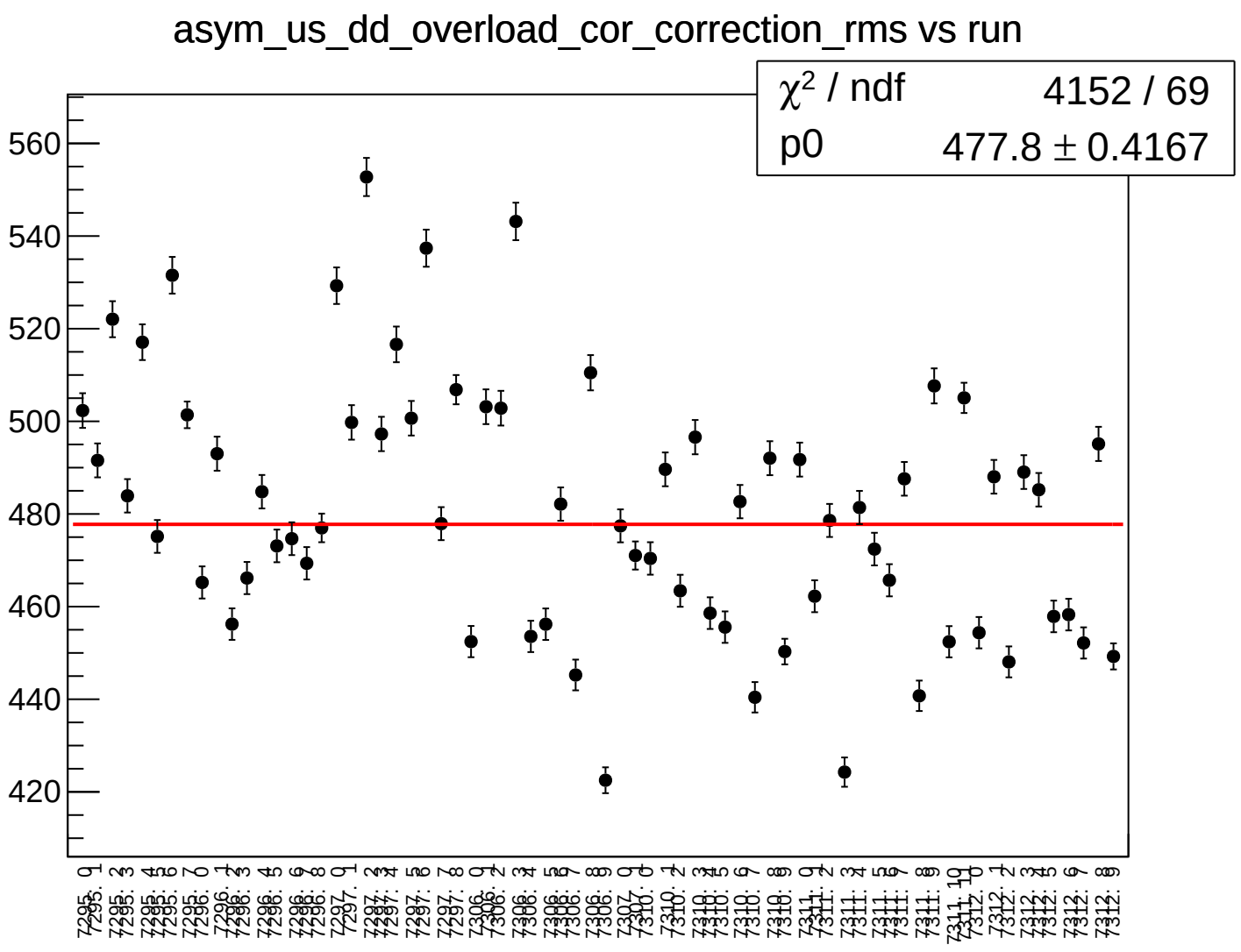

overload_cor_asym_us_dd_mean vs run
χ² / ndf 72.23 / 69
p0 1382 ± 951.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 105.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

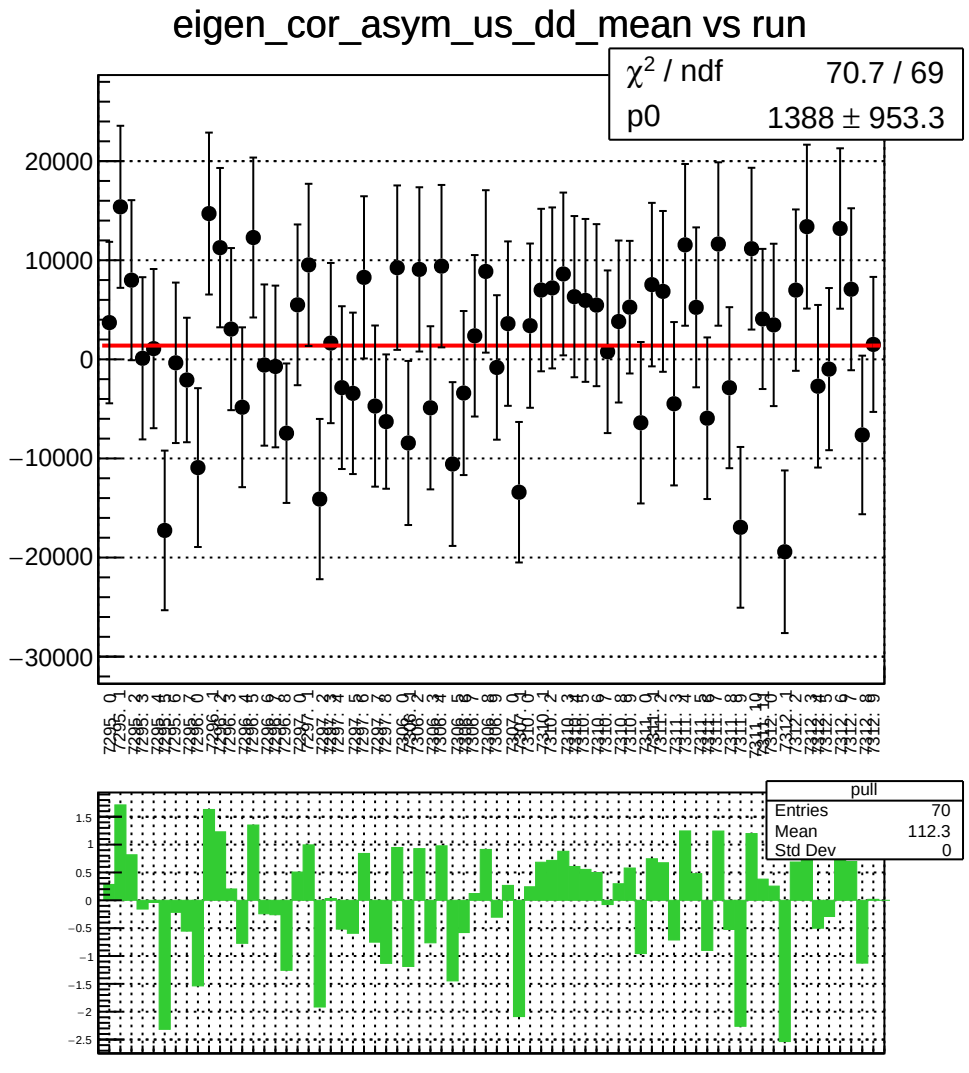

pull1D
Entries 70
Mean 0.01363
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

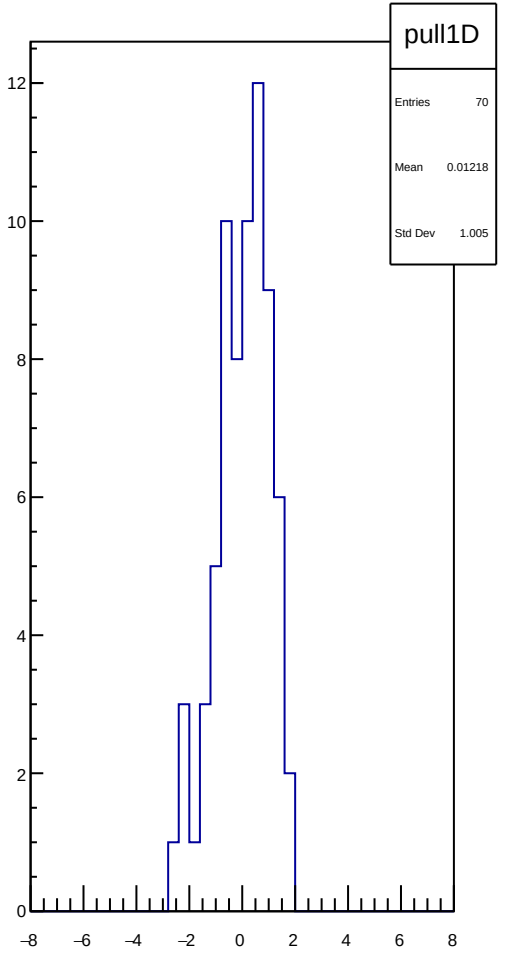

overload_cor_asym_us_dd_rms vs run
χ² / ndf 93.34 / 69
p0 772.6 ± 0.6728
795
790
785
780
775
770
765
760
755
750

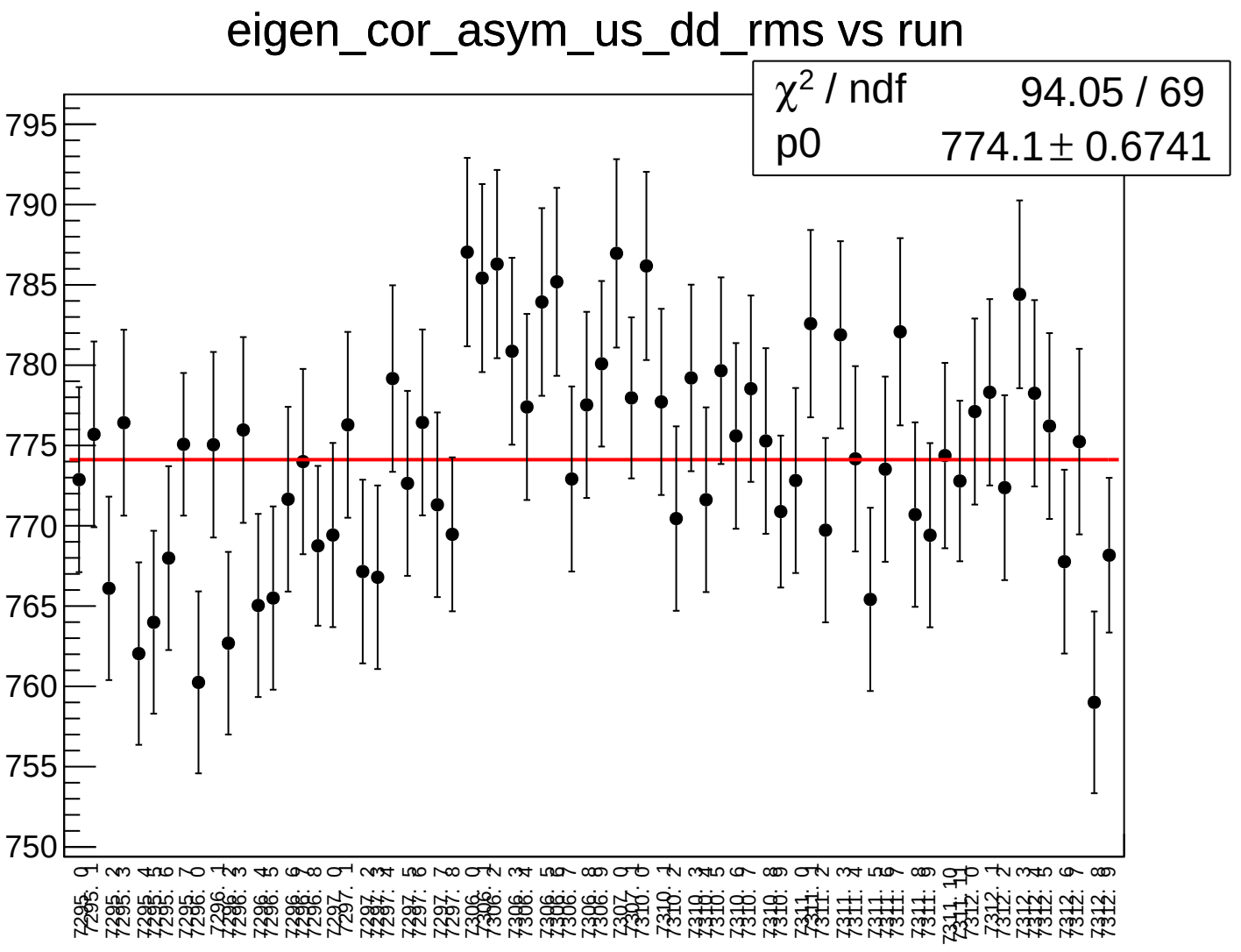

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 76.91 / 69
p0 −958.2 ± 589.2
pull
Entries 70
Mean 991.2
Std Dev 0

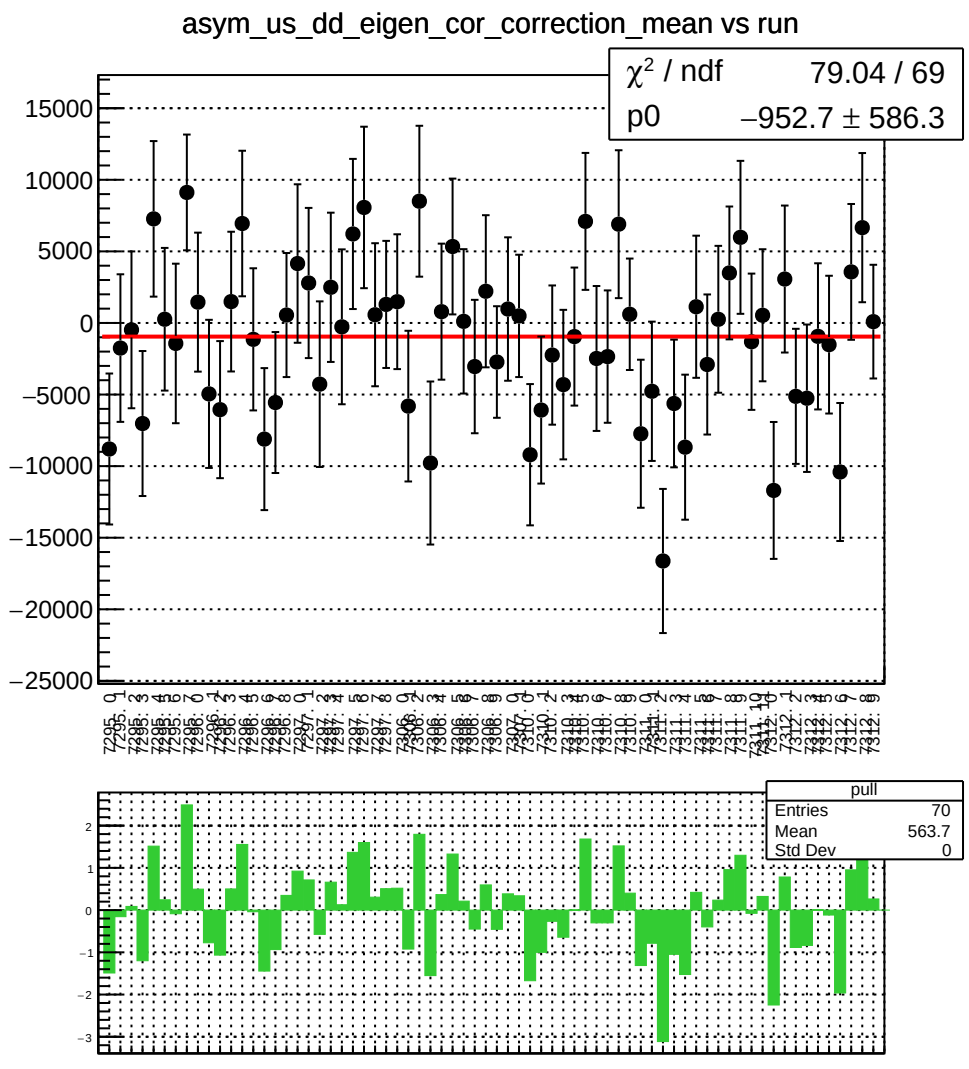

pull1D
Entries 70
Mean −0.002737
Std Dev 1.048

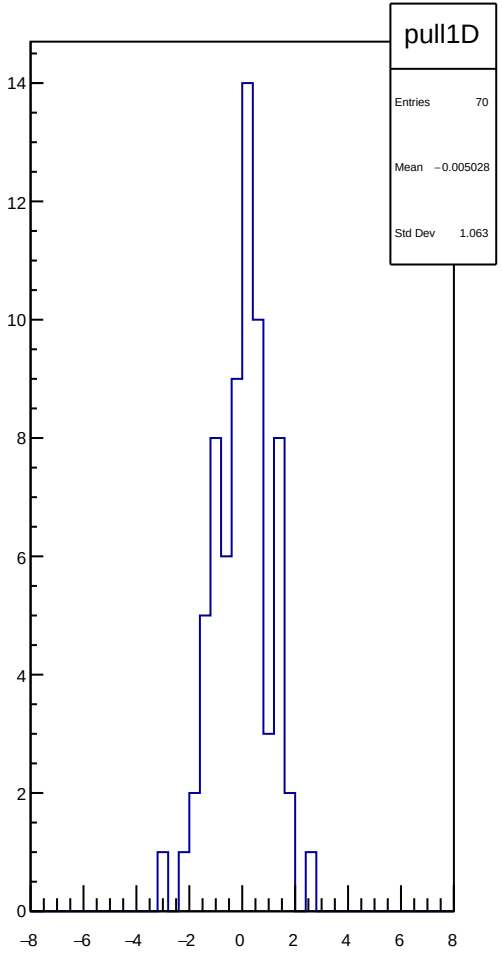

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 4152 / 69
p0 477.8 ± 0.4167
560
540
520
500
480
460
440
420

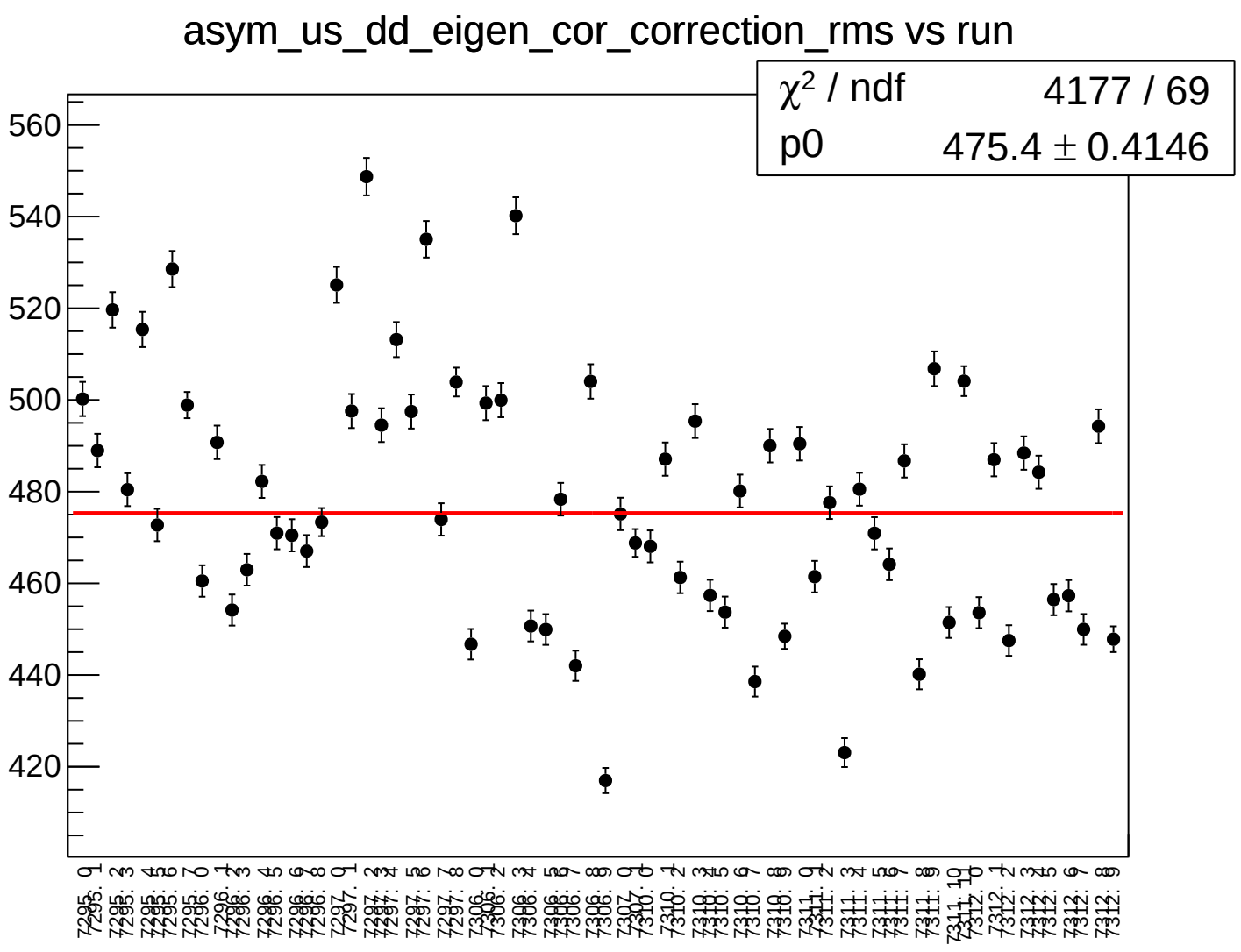

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 70.7 / 69
p0 1388 ± 953.3
pull
Entries 70
Mean 112.3
Std Dev 0

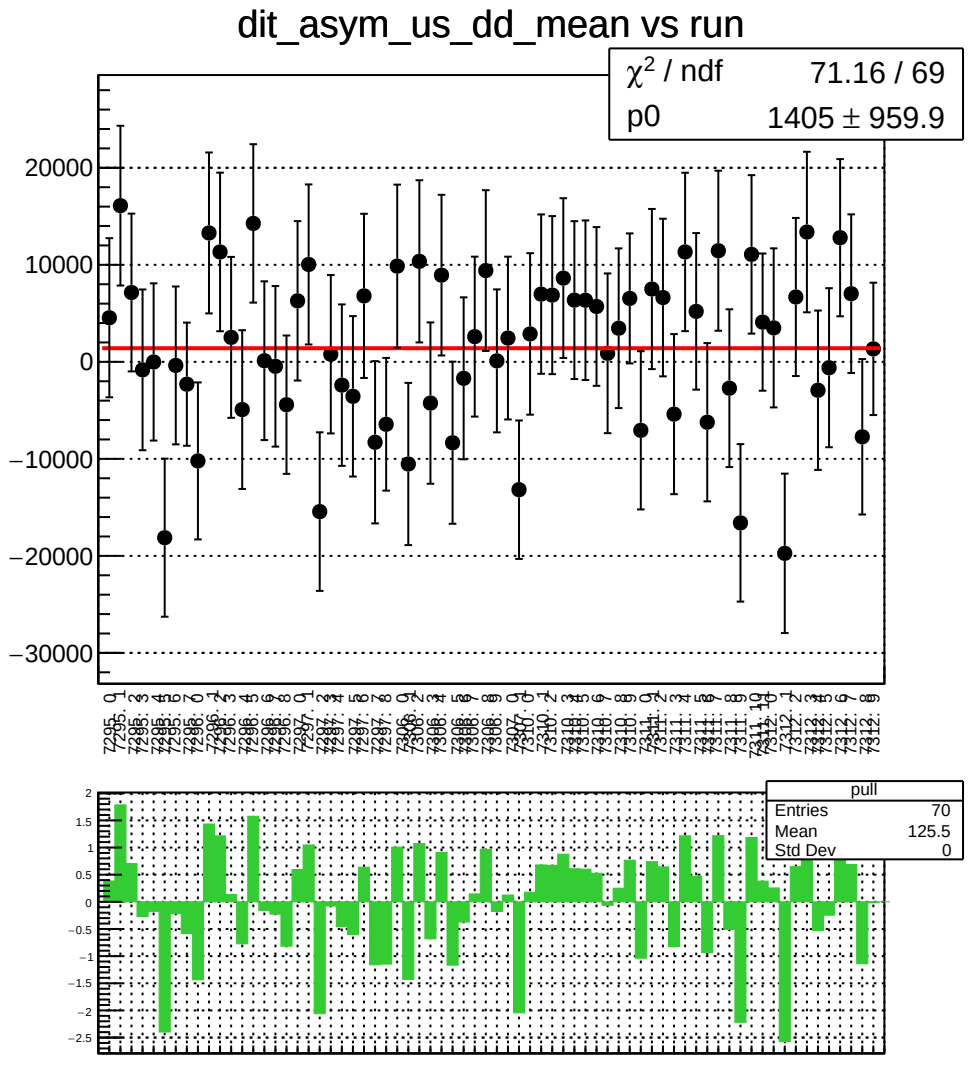

pull1D
Entries 70
Mean 0.01218
Std Dev 1.005

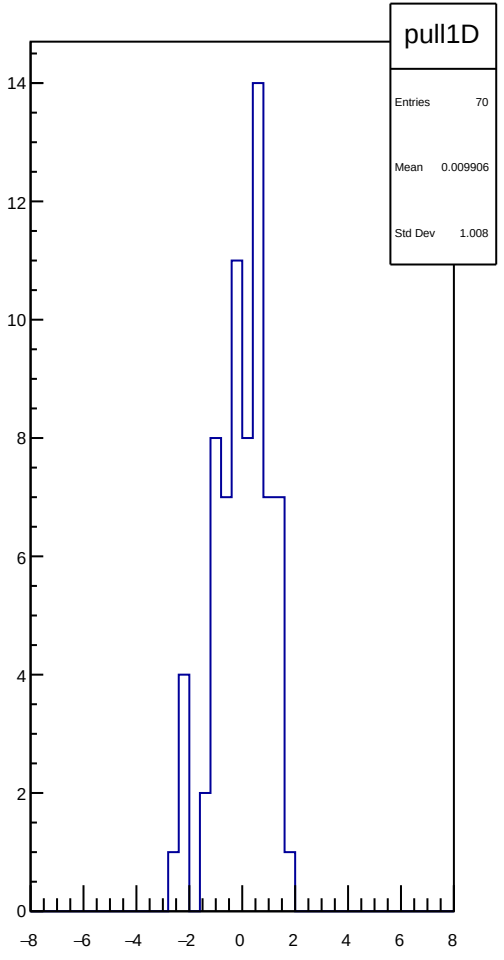

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 94.05 / 69
p0 774.1 ± 0.6741
795
790
785
780
775
770
765
760
755
750

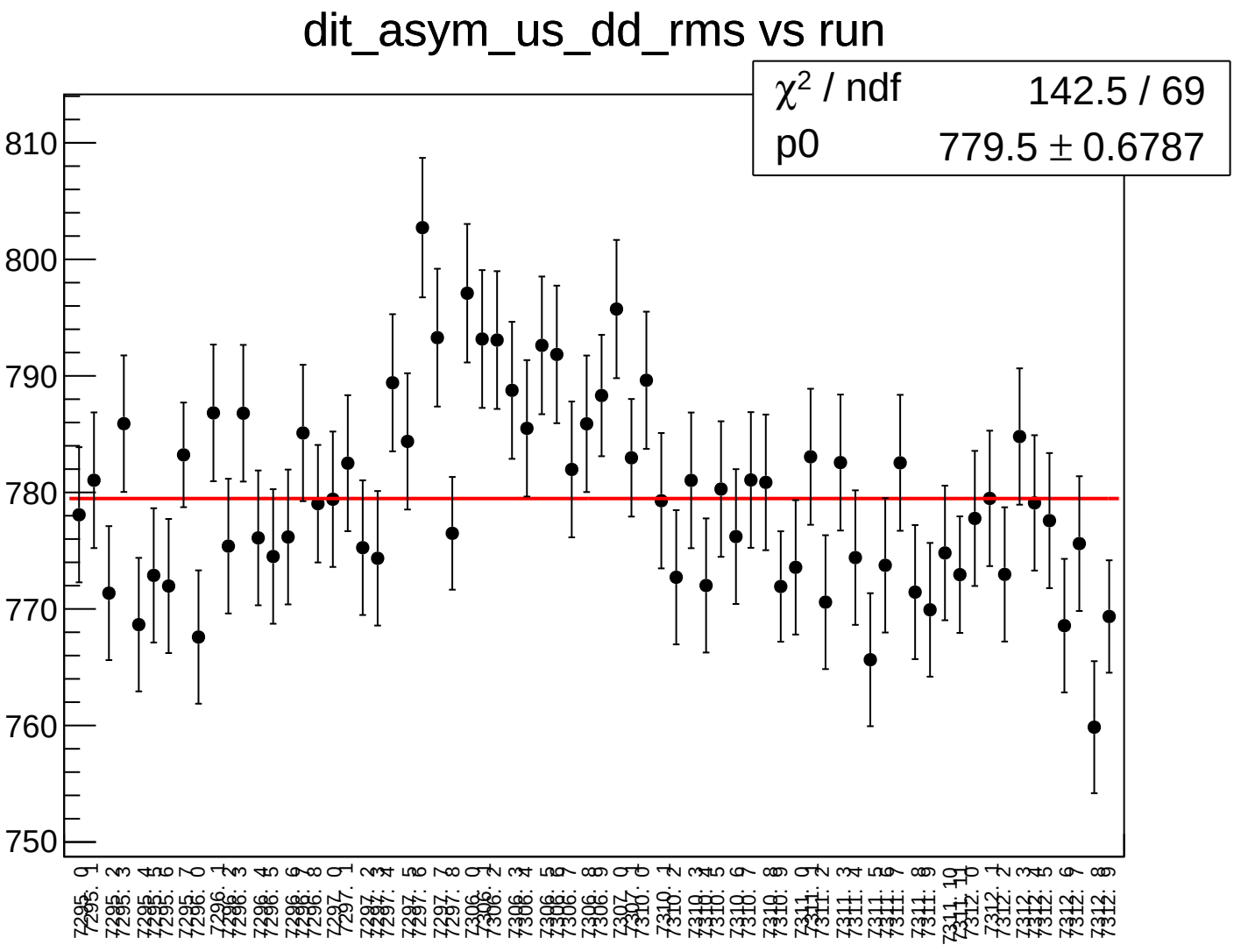

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.04 / 69
p0 −952.7 ± 586.3
pull
Entries 70
Mean 563.7
Std Dev 0

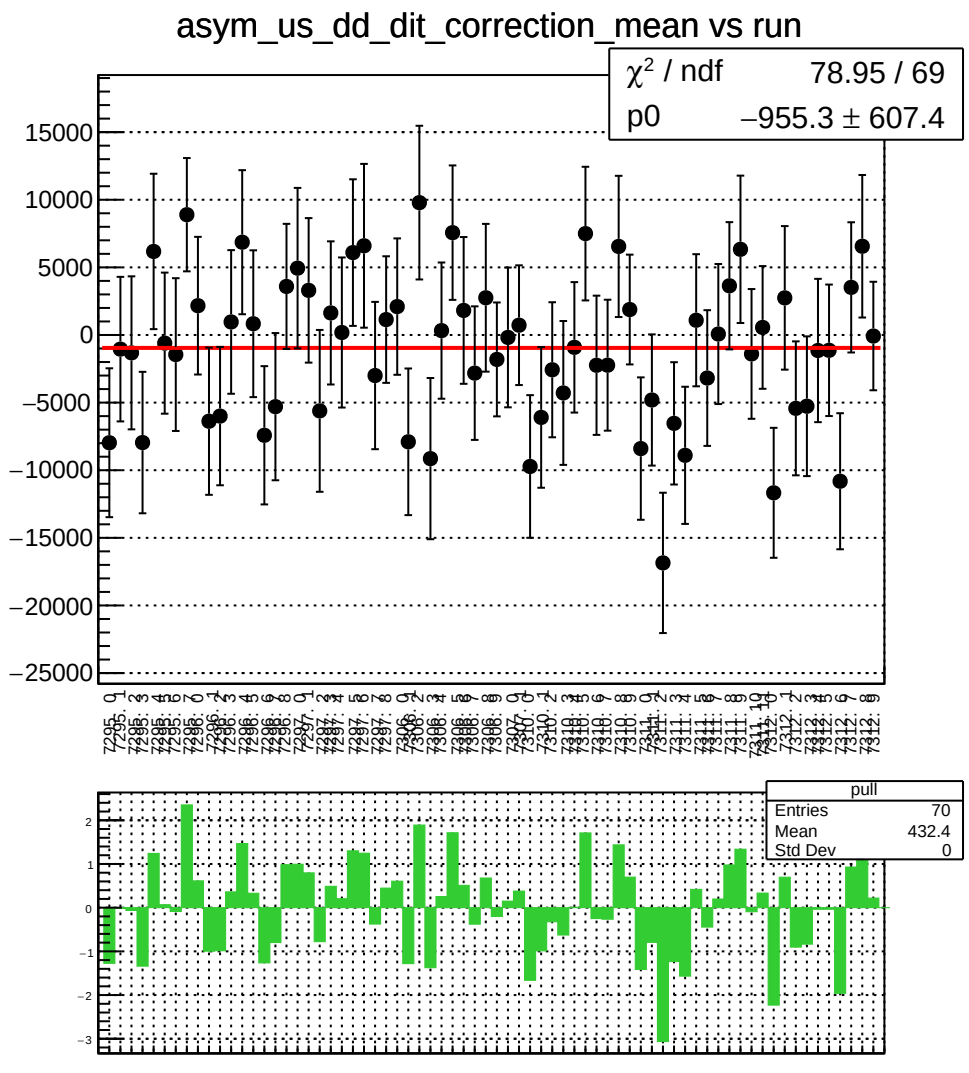

pull1D
Entries 70
Mean −0.005028
Std Dev 1.063

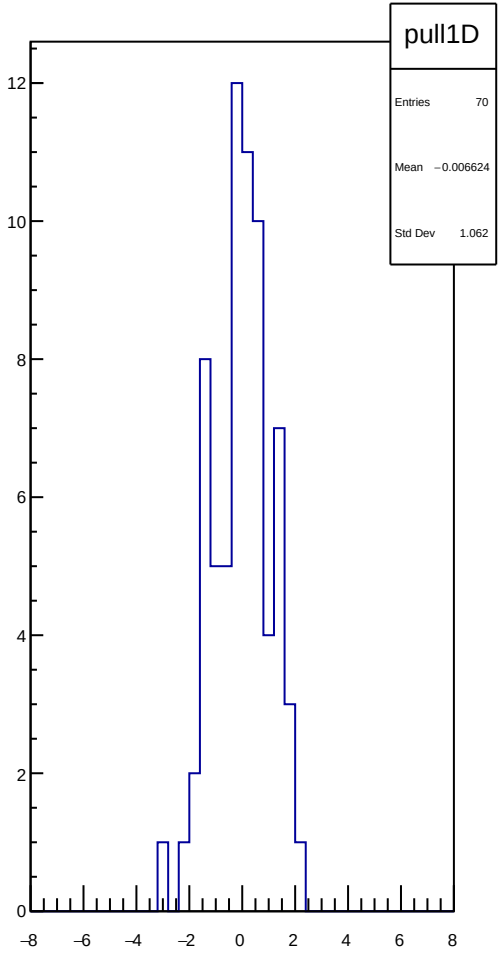

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 4177 / 69
p0 475.4 ± 0.4146
560
540
520
500
480
460
440
420

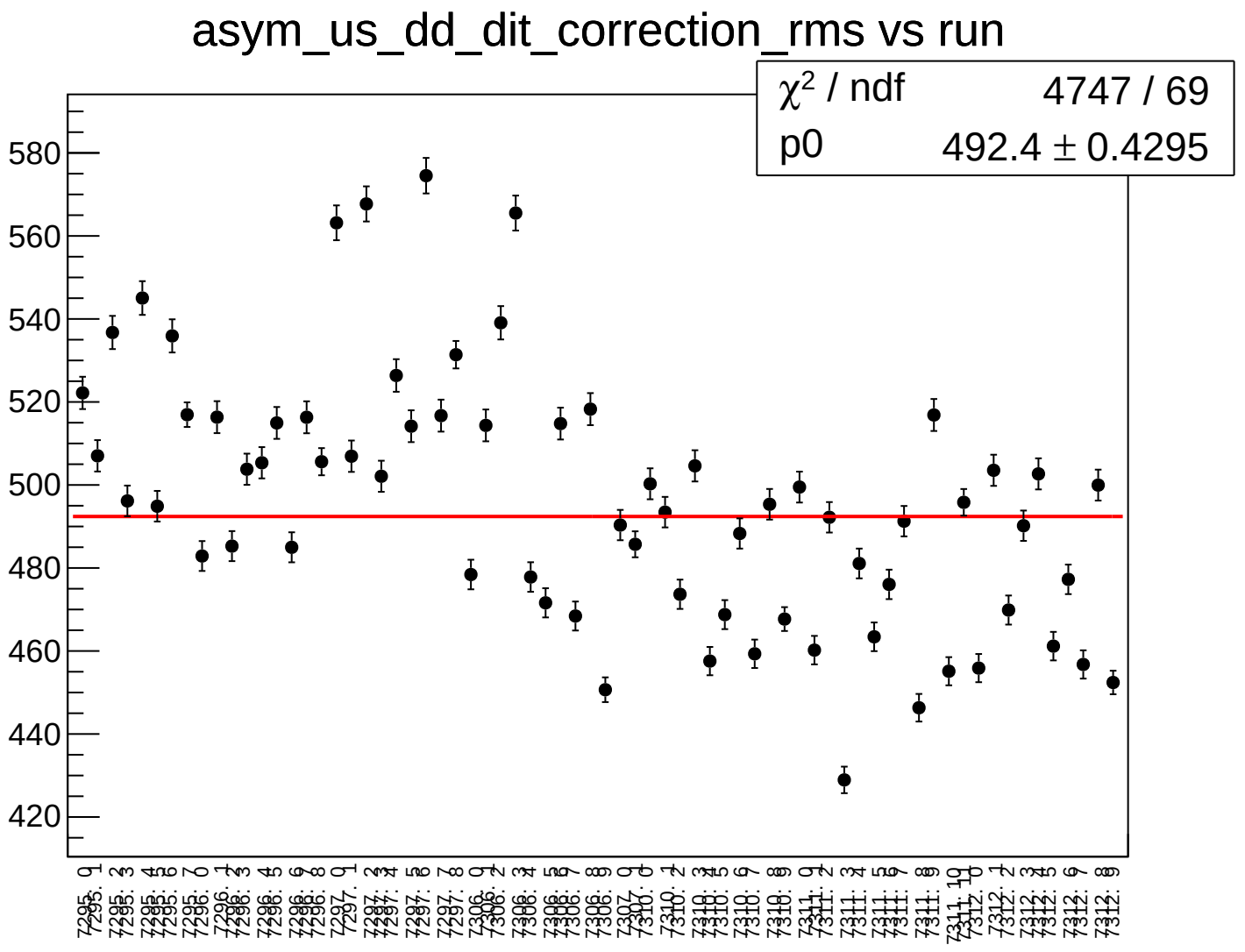

dit_asym_us_dd_mean vs run
χ² / ndf 71.16 / 69
p0 1405 ± 959.9
pull
Entries 70
Mean 125.5
Std Dev 0

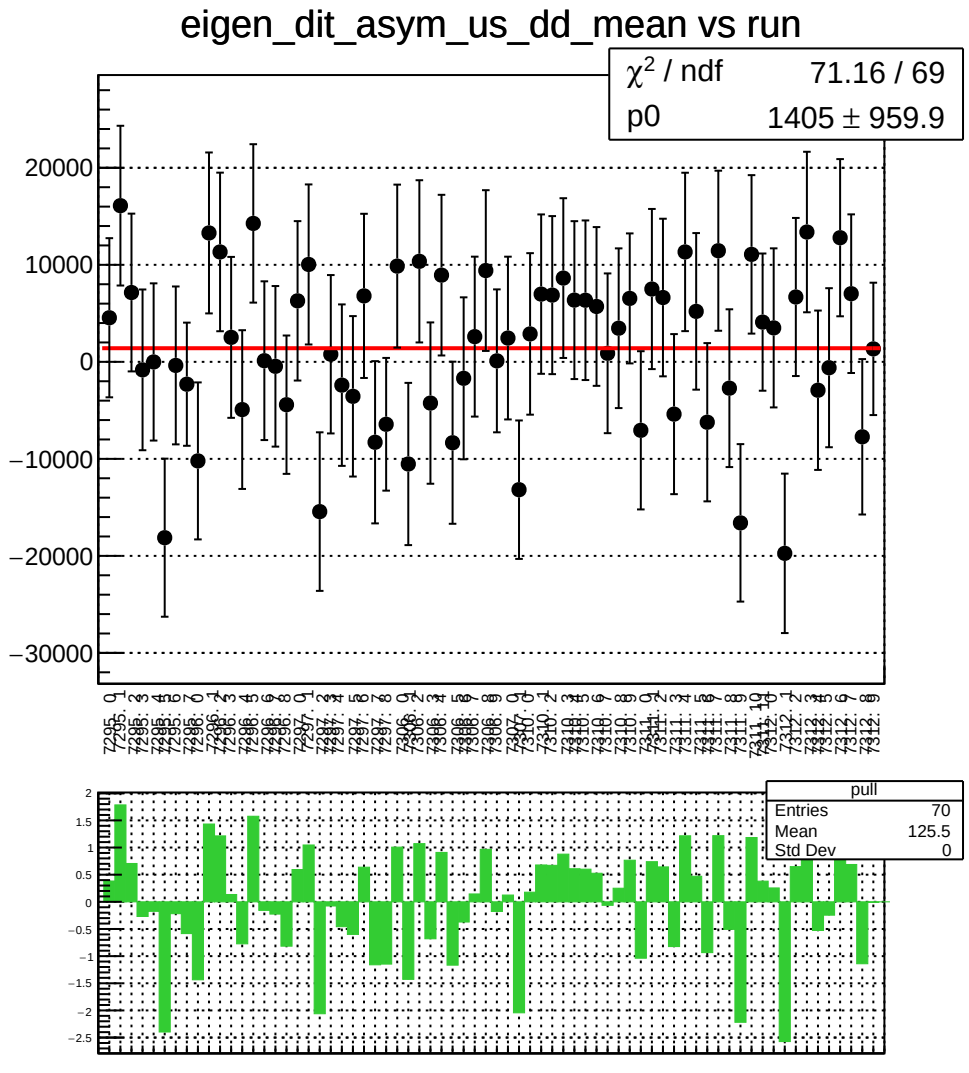

pull1D
Entries 70
Mean 0.009906
Std Dev 1.008

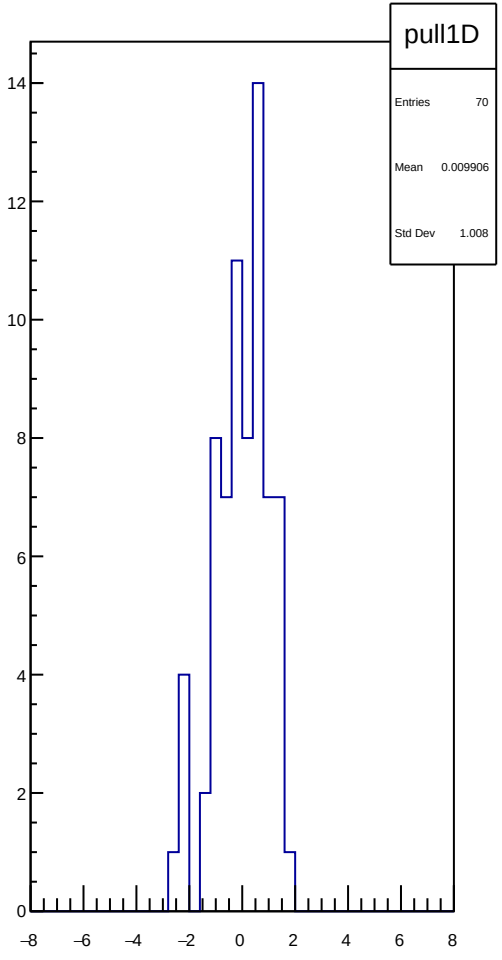

dit_asym_us_dd_rms vs run
χ² / ndf 142.5 / 69
p0 779.5 ± 0.6787
810
800
790
780
770
760
750

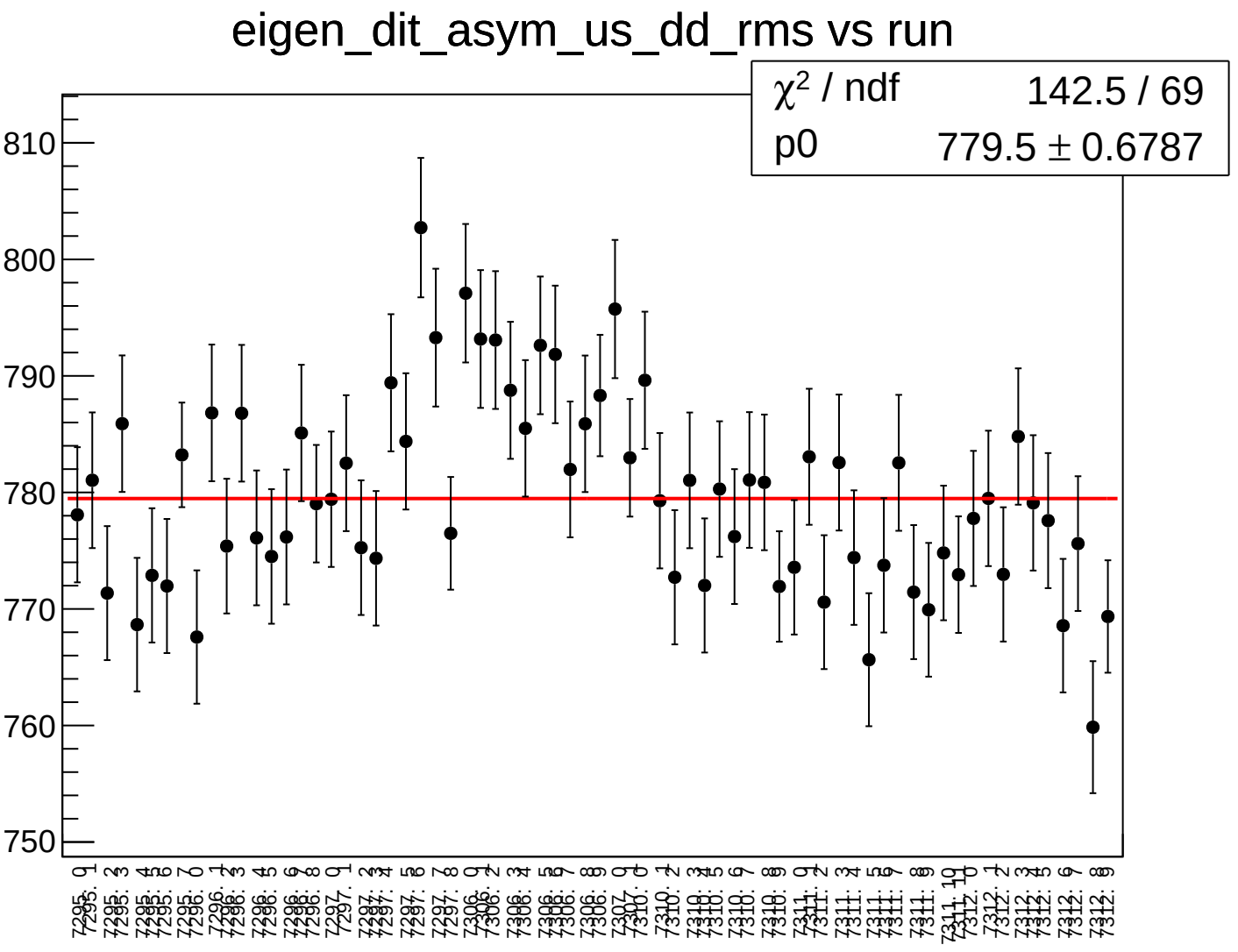

asym_us_dd_dit_correction_mean vs run
χ² / ndf 78.95 / 69
p0 −955.3 ± 607.4
pull
Entries 70
Mean 432.4
Std Dev 0

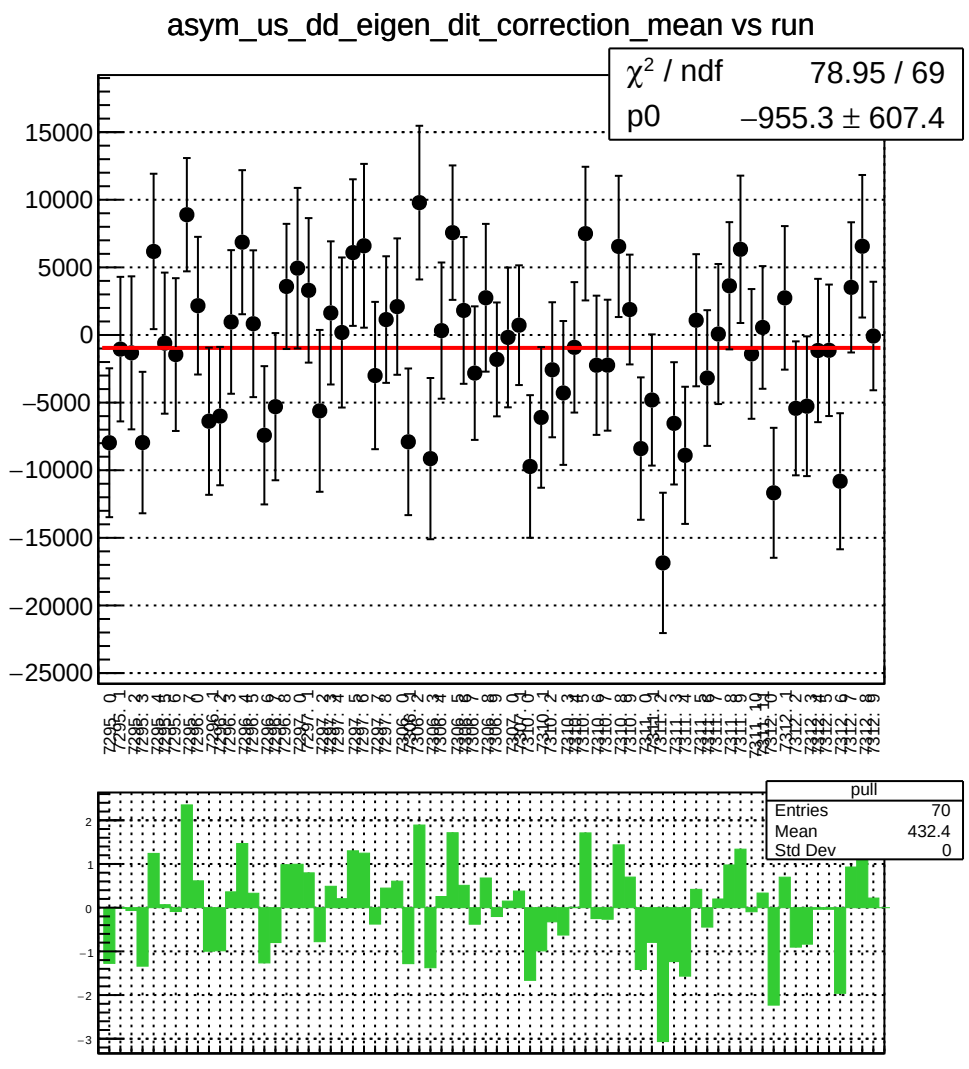

pull1D
Entries 70
Mean −0.006624
Std Dev 1.062

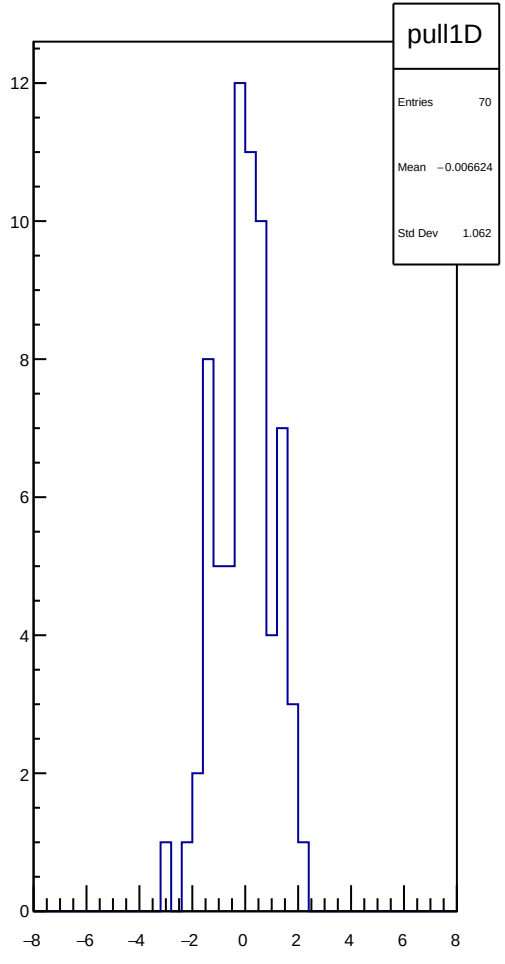

asym_us_dd_dit_correction_rms vs run
χ² / ndf 4747 / 69
p0 492.4 ± 0.4295
580
560
540
520
500
480
460
440
420

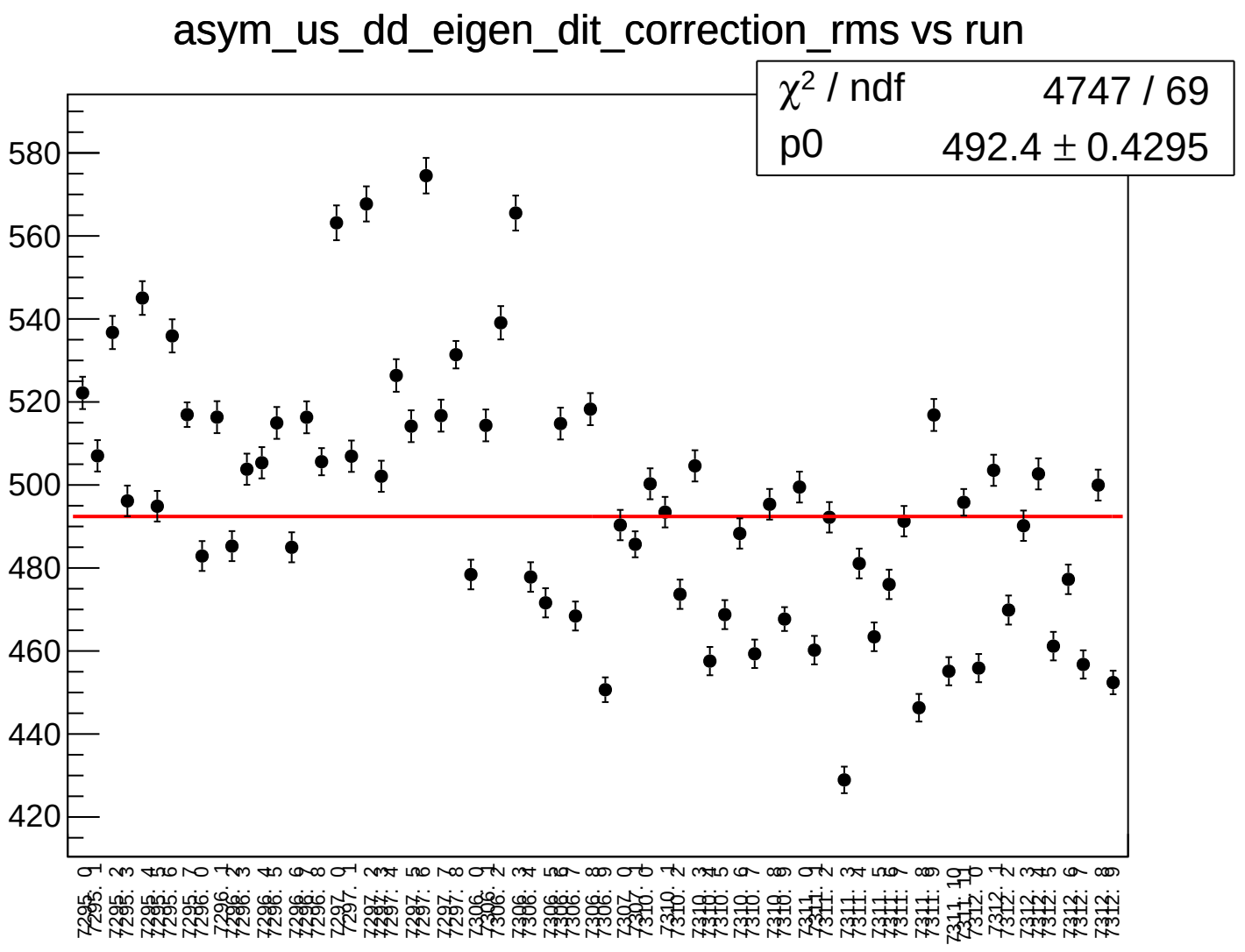

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 71.16 / 69
p0 1405 ± 959.9
pull
Entries 70
Mean 125.5
Std Dev 0

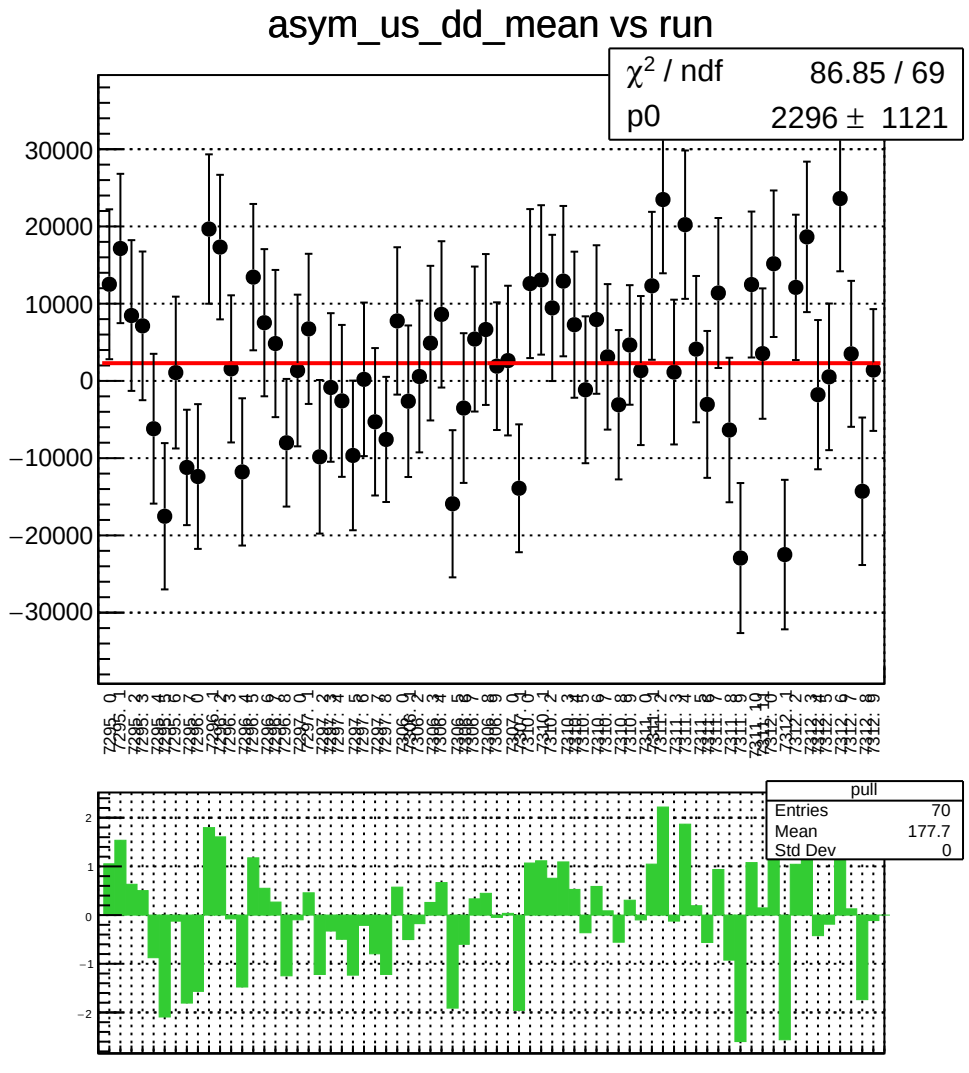

pull1D
Entries 70
Mean 0.009906
Std Dev 1.008

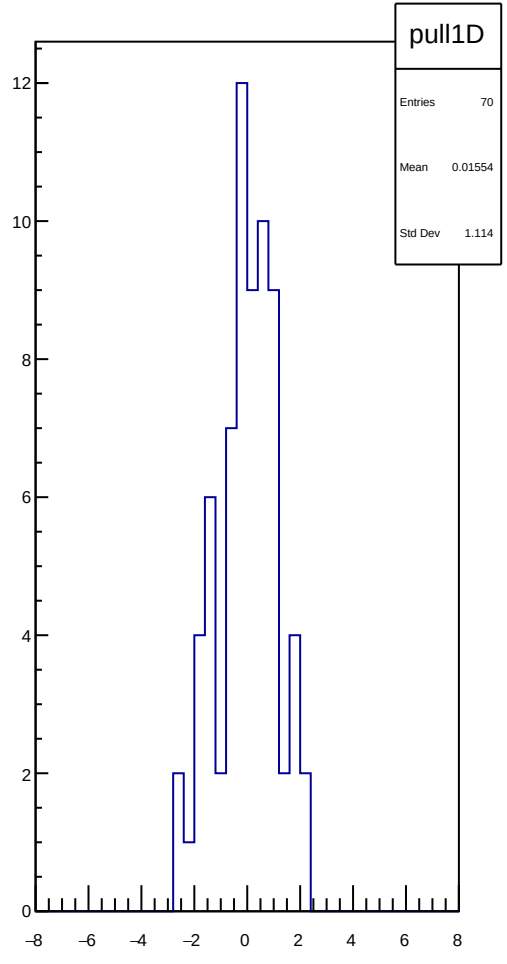

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 142.5 / 69
p0 779.5 ± 0.6787
810
800
790
780
770
760
750

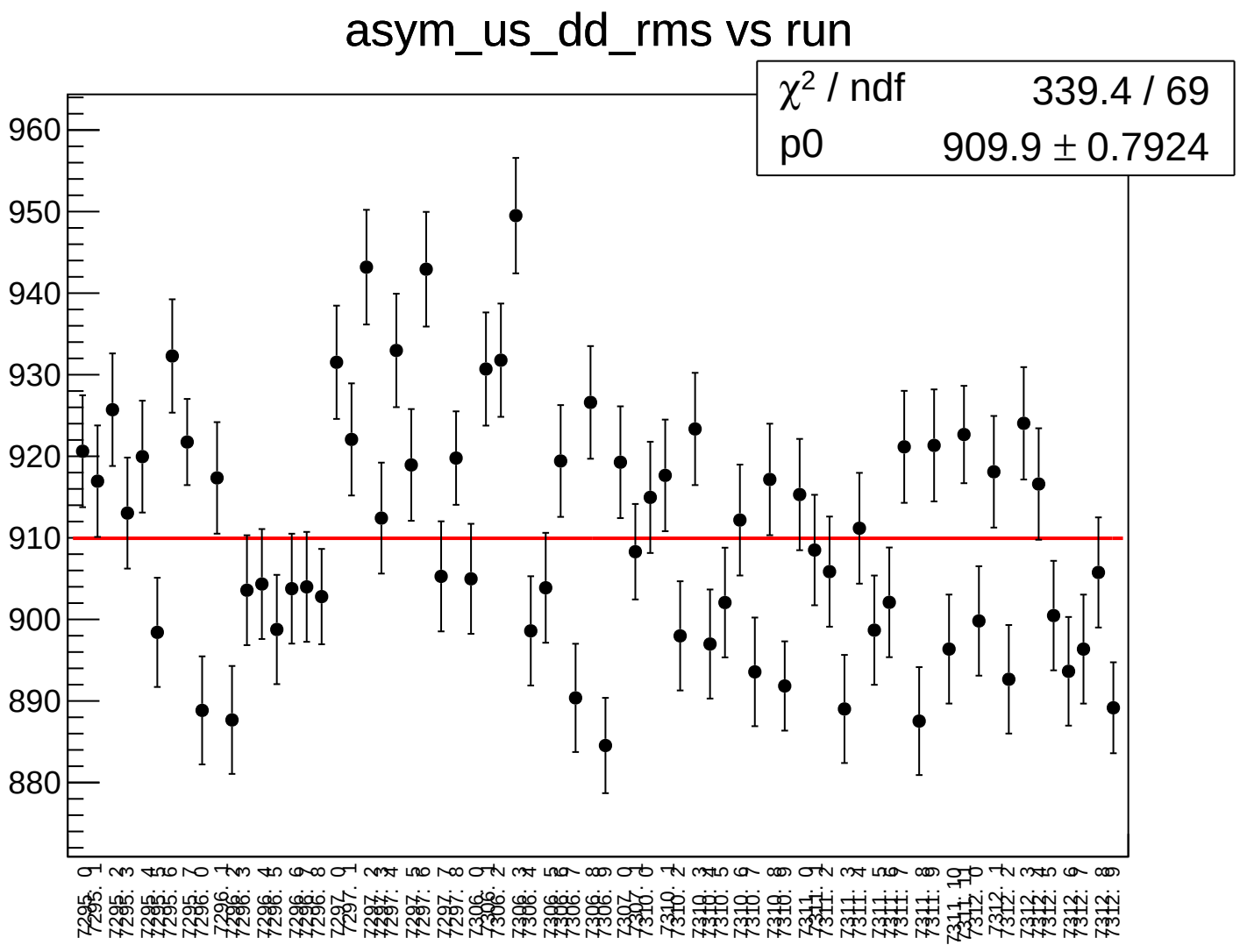

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.95 / 69
p0 −955.3 ± 607.4
pull
Entries 70
Mean 432.4
Std Dev 0

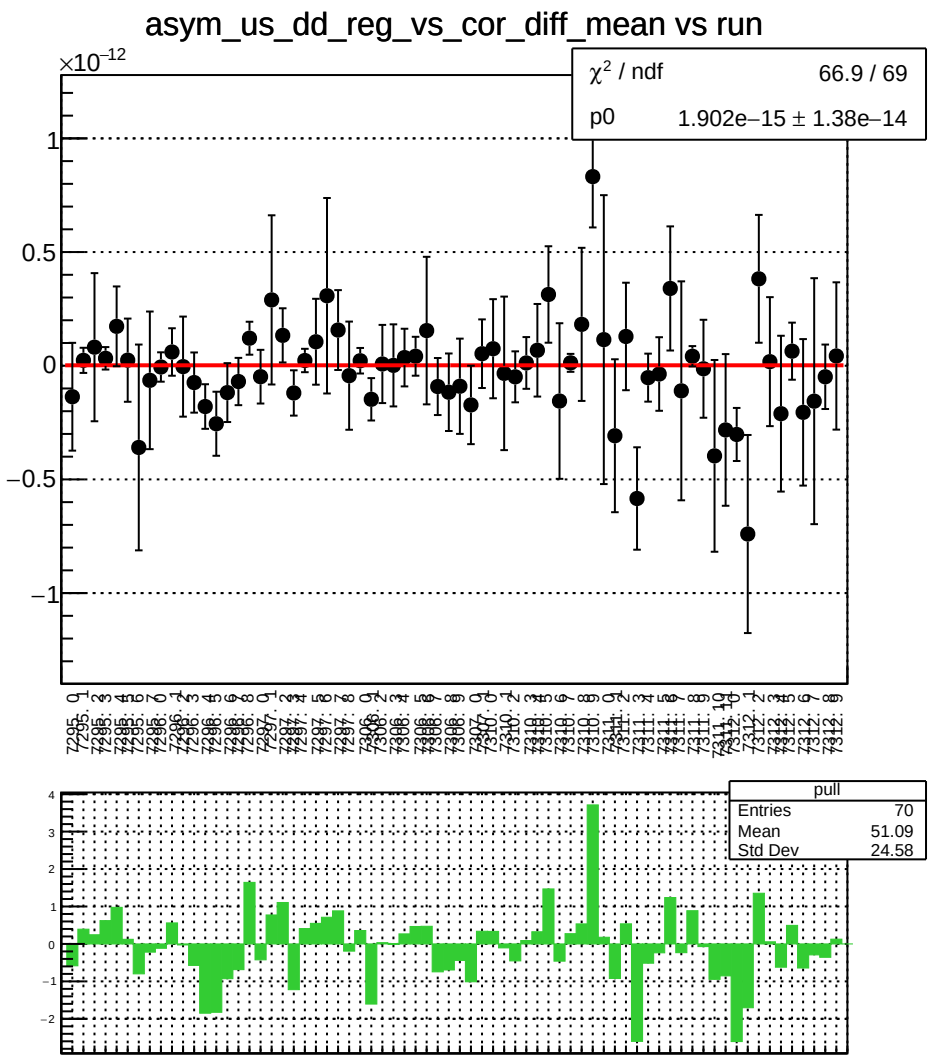

pull1D
Entries 70
Mean −0.006624
Std Dev 1.062

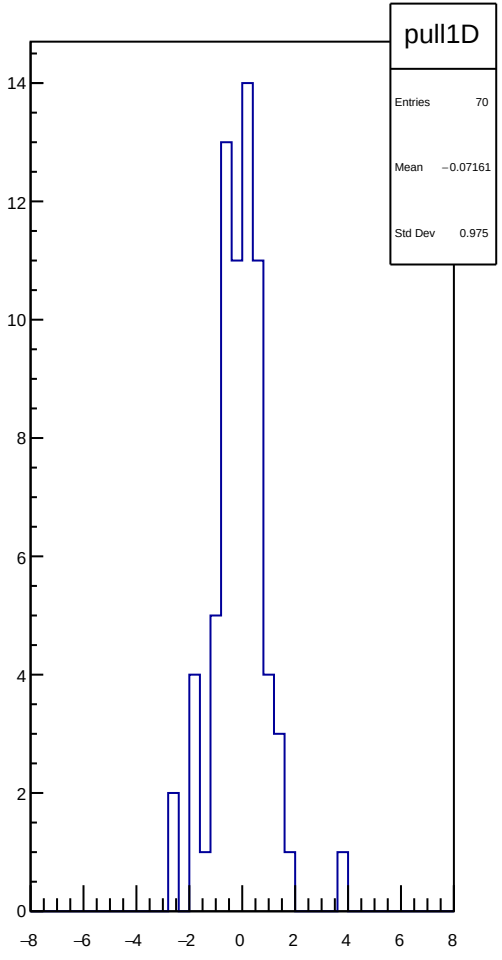

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4747 / 69
p0 492.4 ± 0.4295
580
560
540
520
500
480
460
440
420

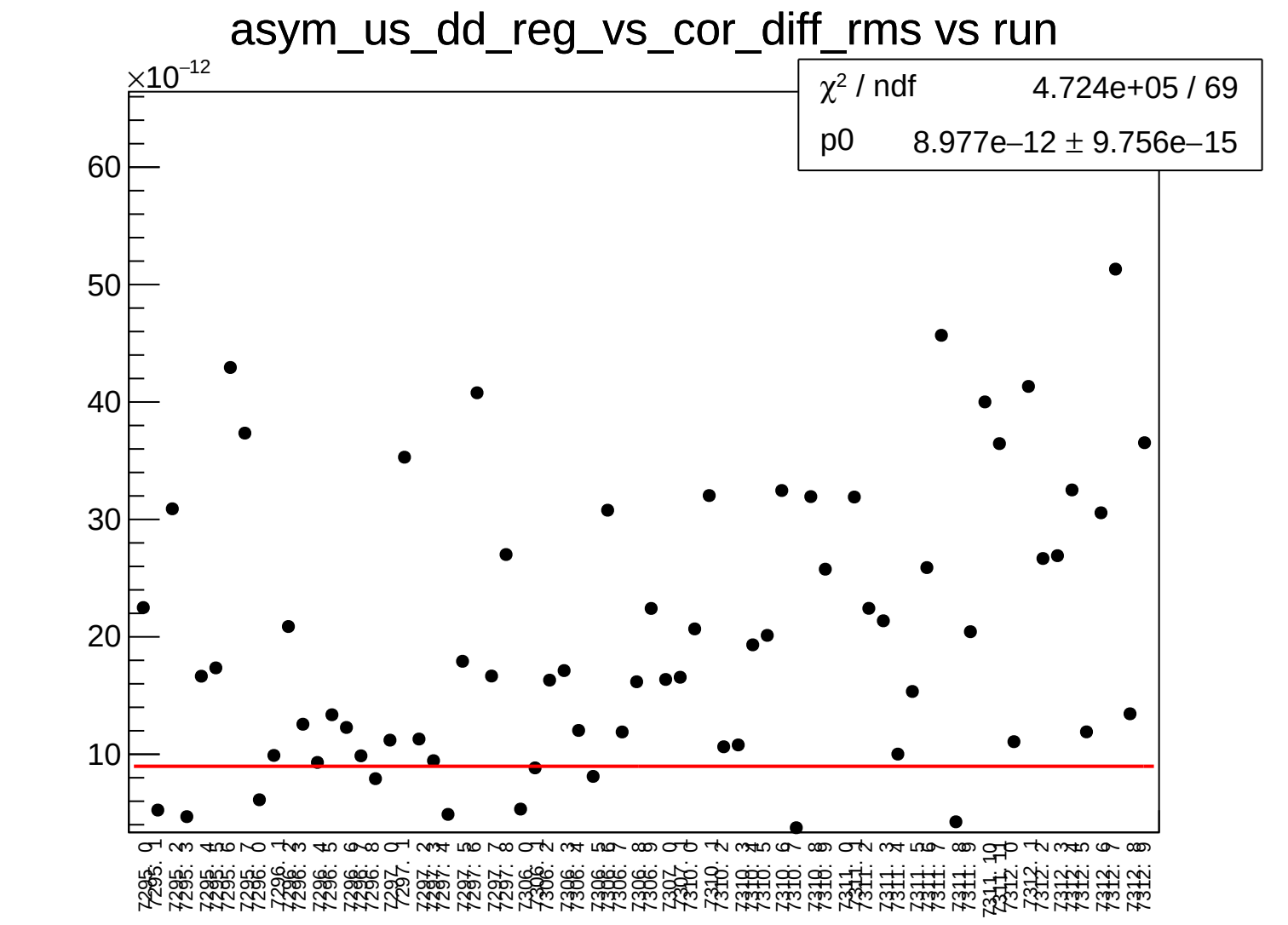

asym_us_dd_mean vs run
χ² / ndf 86.85 / 69
p0 2296 ± 1121
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 177.7
Std Dev 0
2
1
0
−1
−2

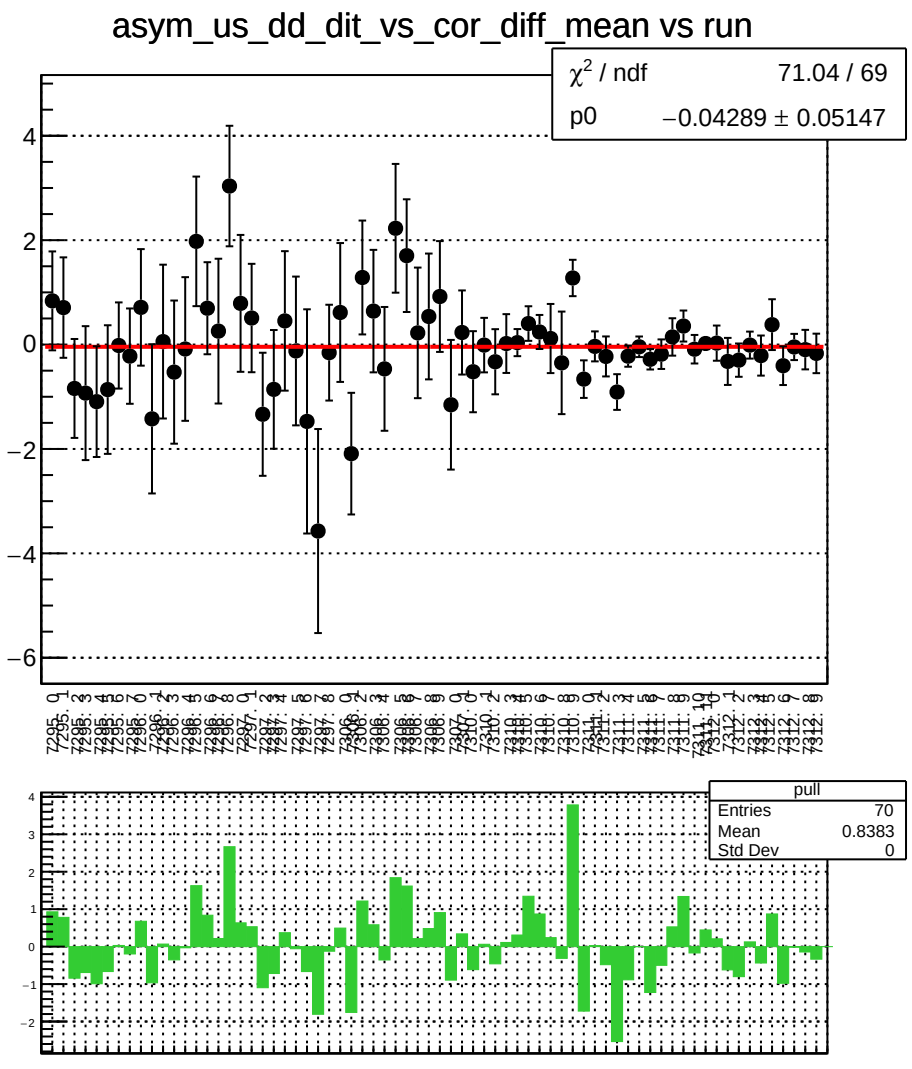

pull1D
Entries 70
Mean 0.01554
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

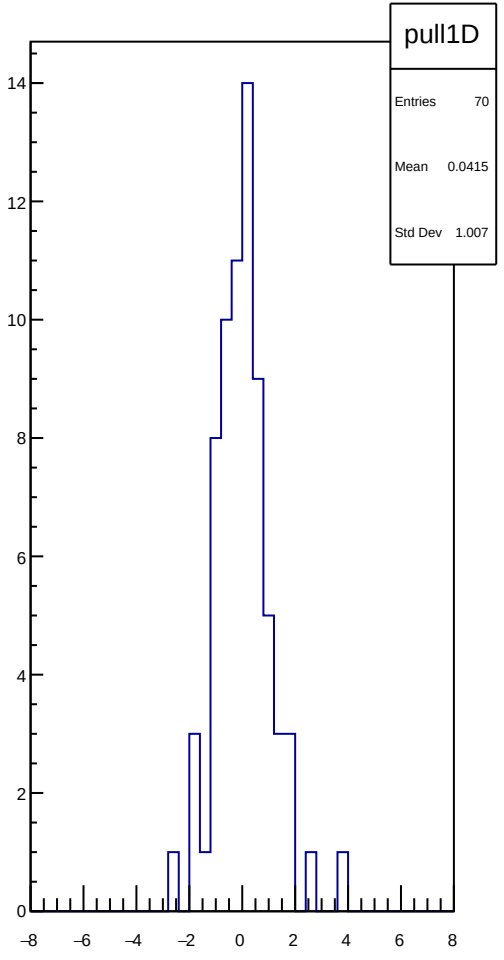

asym_us_dd_rms vs run
χ^2 / ndf 339.4 / 69
p0 909.9 ± 0.7924
960
950
940
930
920
910
900
890
880

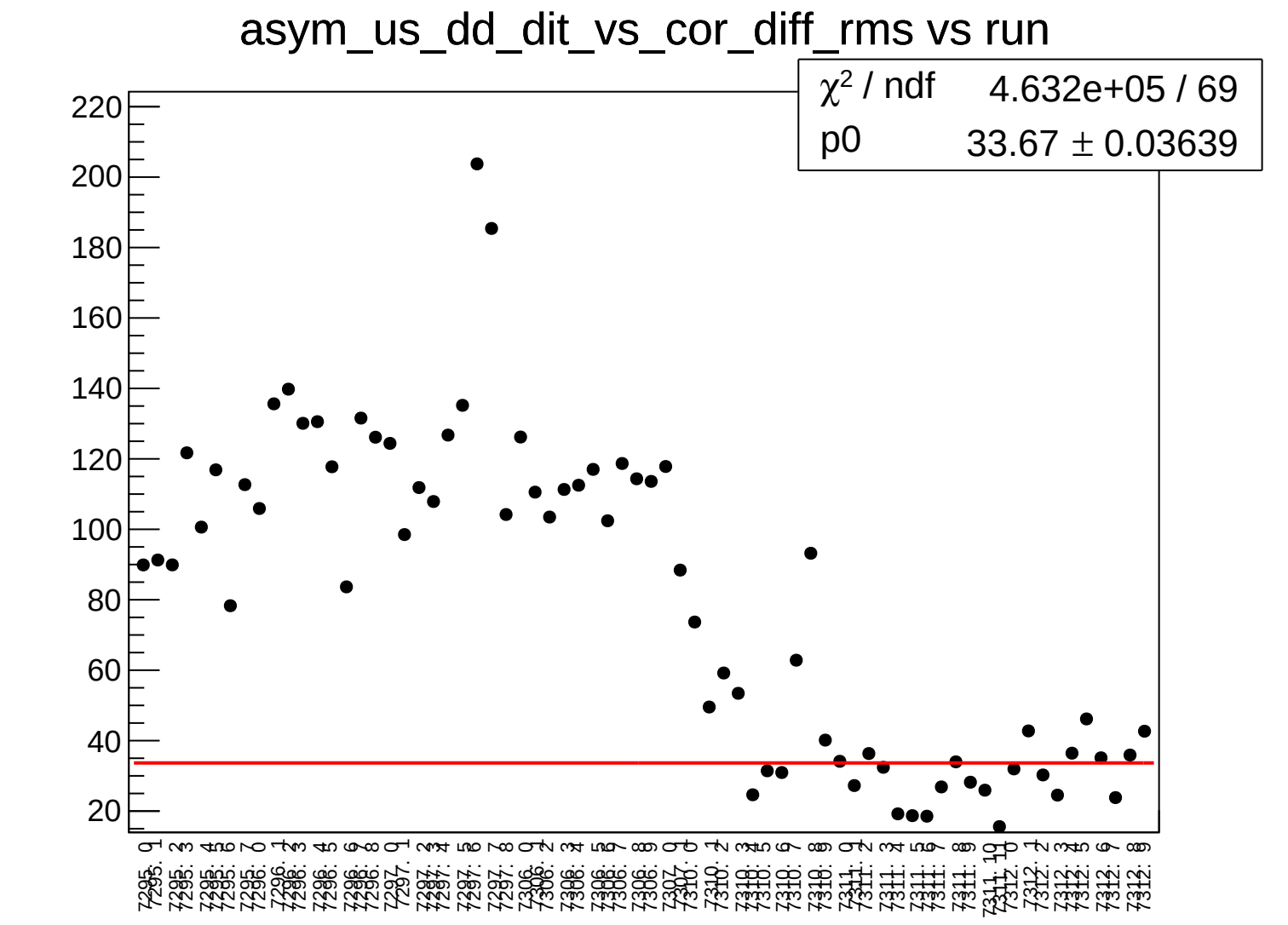

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.9 / 69
p0 1.902e−15 ± 1.38e−14
pull
Entries 70
Mean 51.09
Std Dev 24.58

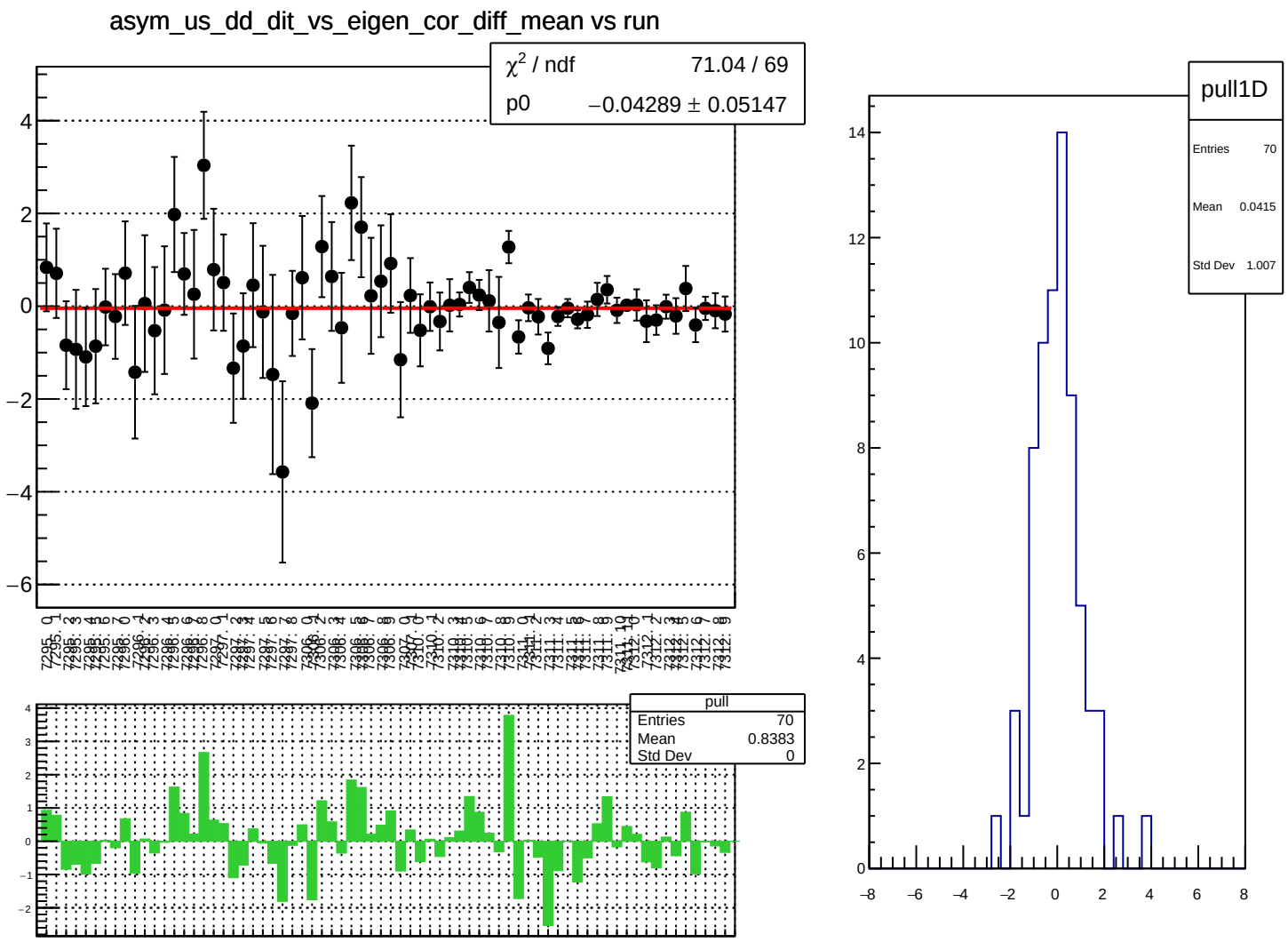

pull1D
Entries 70
Mean −0.07161
Std Dev 0.975

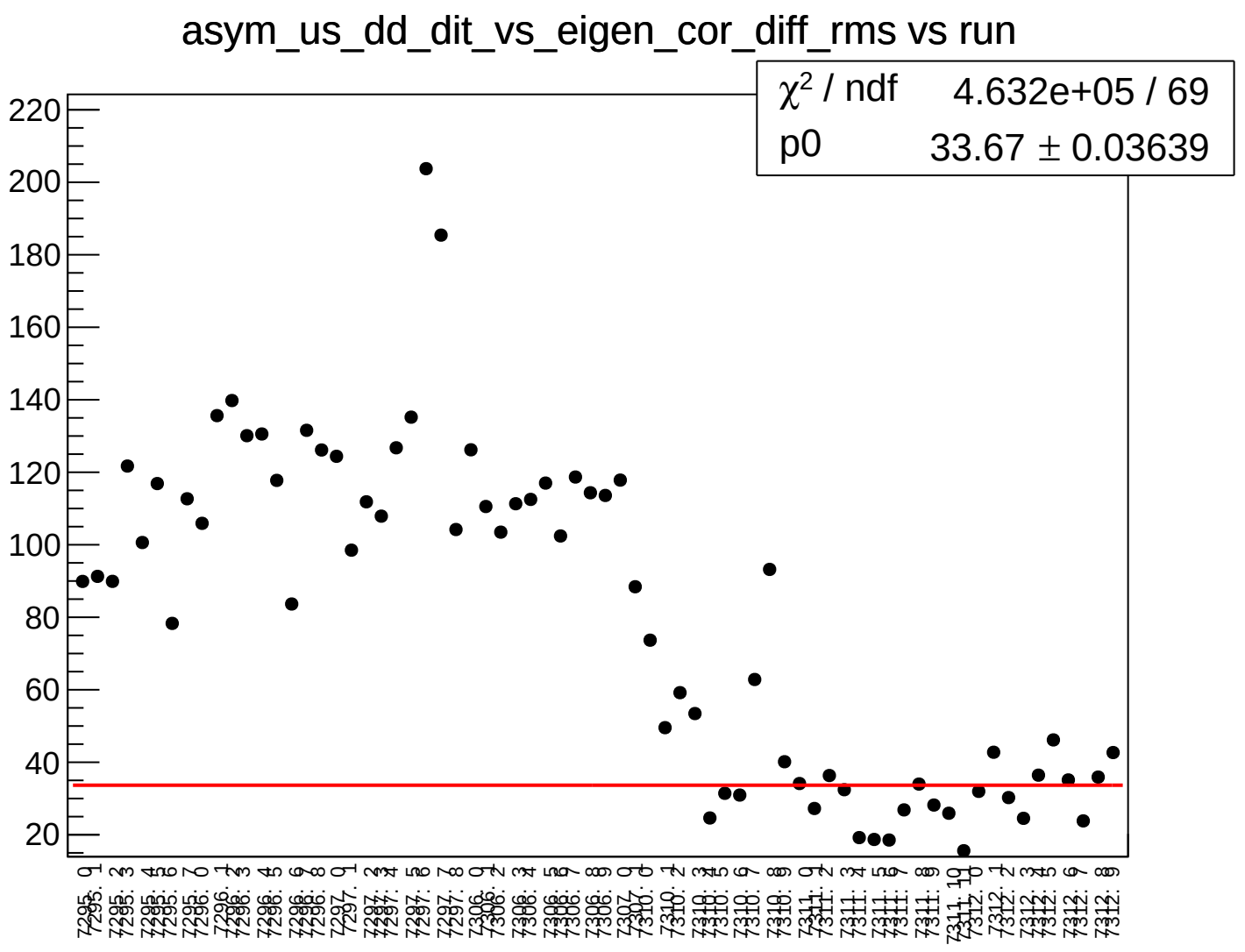

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.724e+05 / 69
p0 8.977e−12 ± 9.756e−15
60
50
40
30
20
10

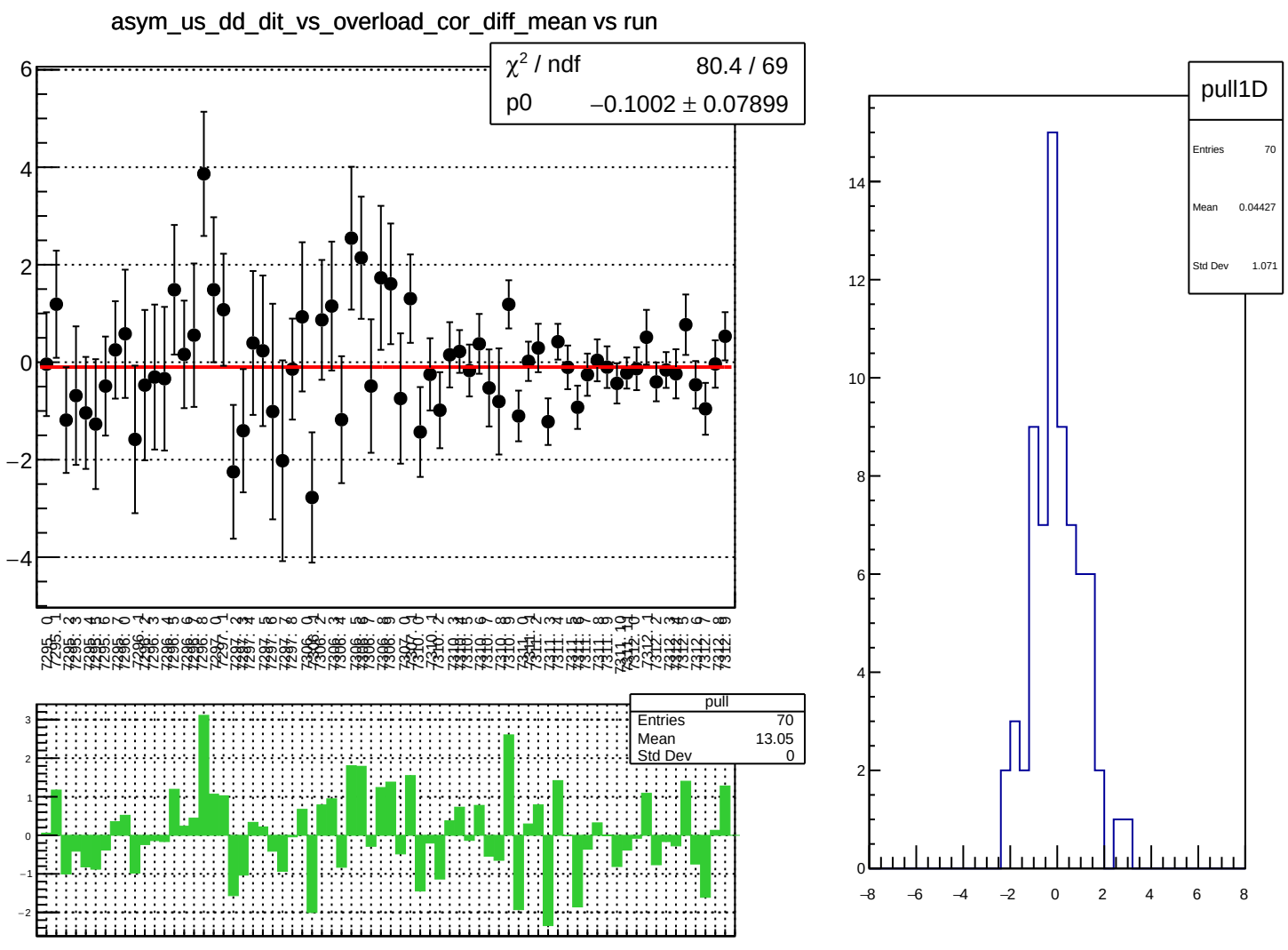

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.04 / 69
p0 −0.04289 ± 0.05147
pull
Entries 70
Mean 0.8383
Std Dev 0

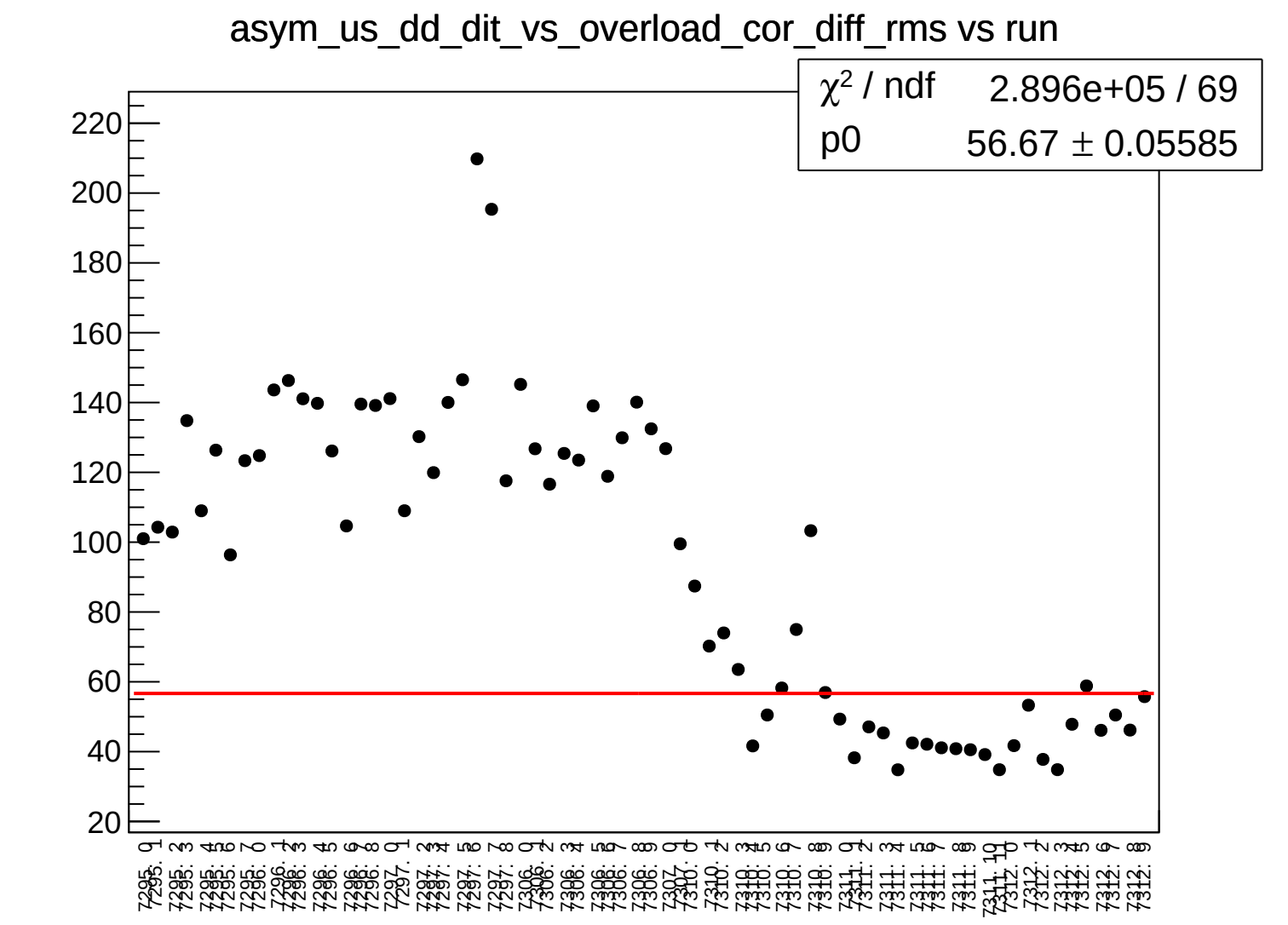

pull1D
Entries 70
Mean 0.0415
Std Dev 1.007

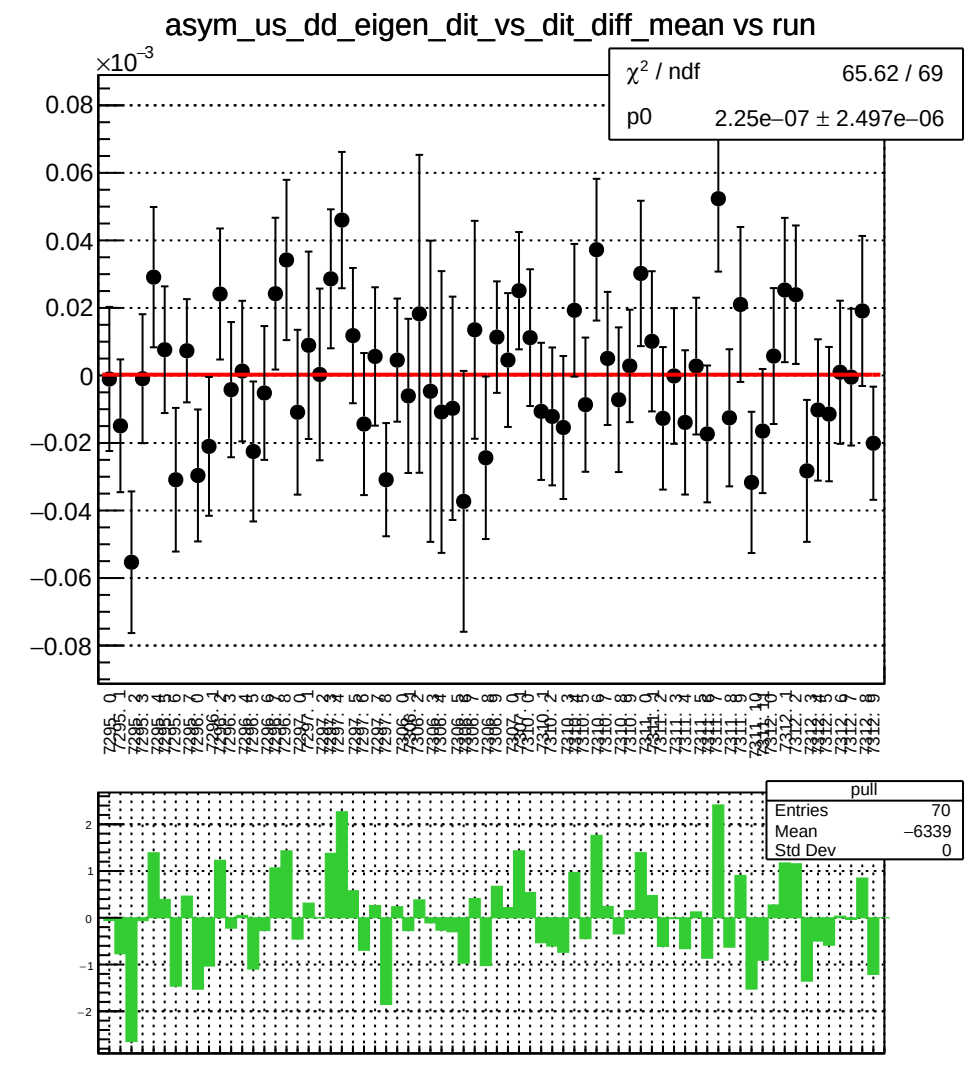

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.632e+05 / 69
p0 33.67 ± 0.03639
220
200
180
160
140
120
100
80
60
40
20

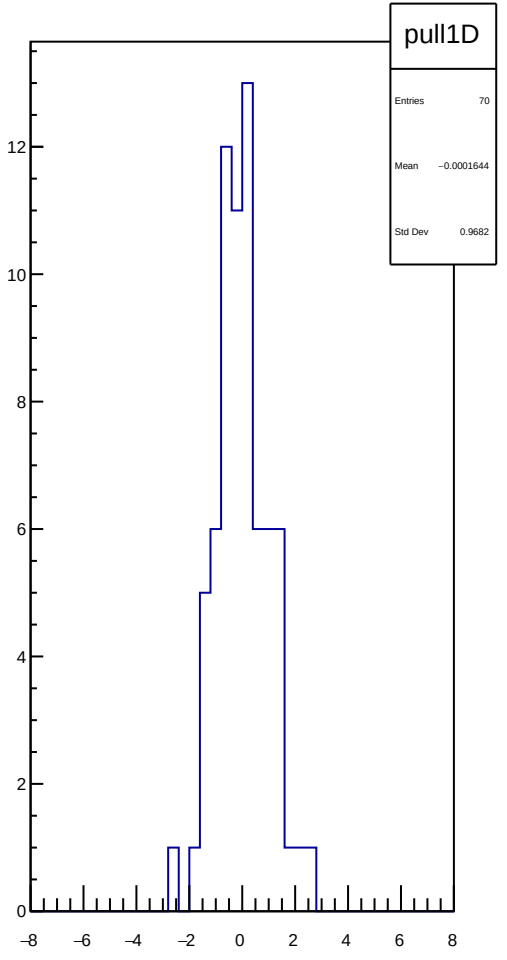

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.04 / 69
p0 −0.04289 ± 0.05147
pull
Entries 70
Mean 0.8383
Std Dev 0
pull1D
Entries 70
Mean 0.0415
Std Dev 1.007

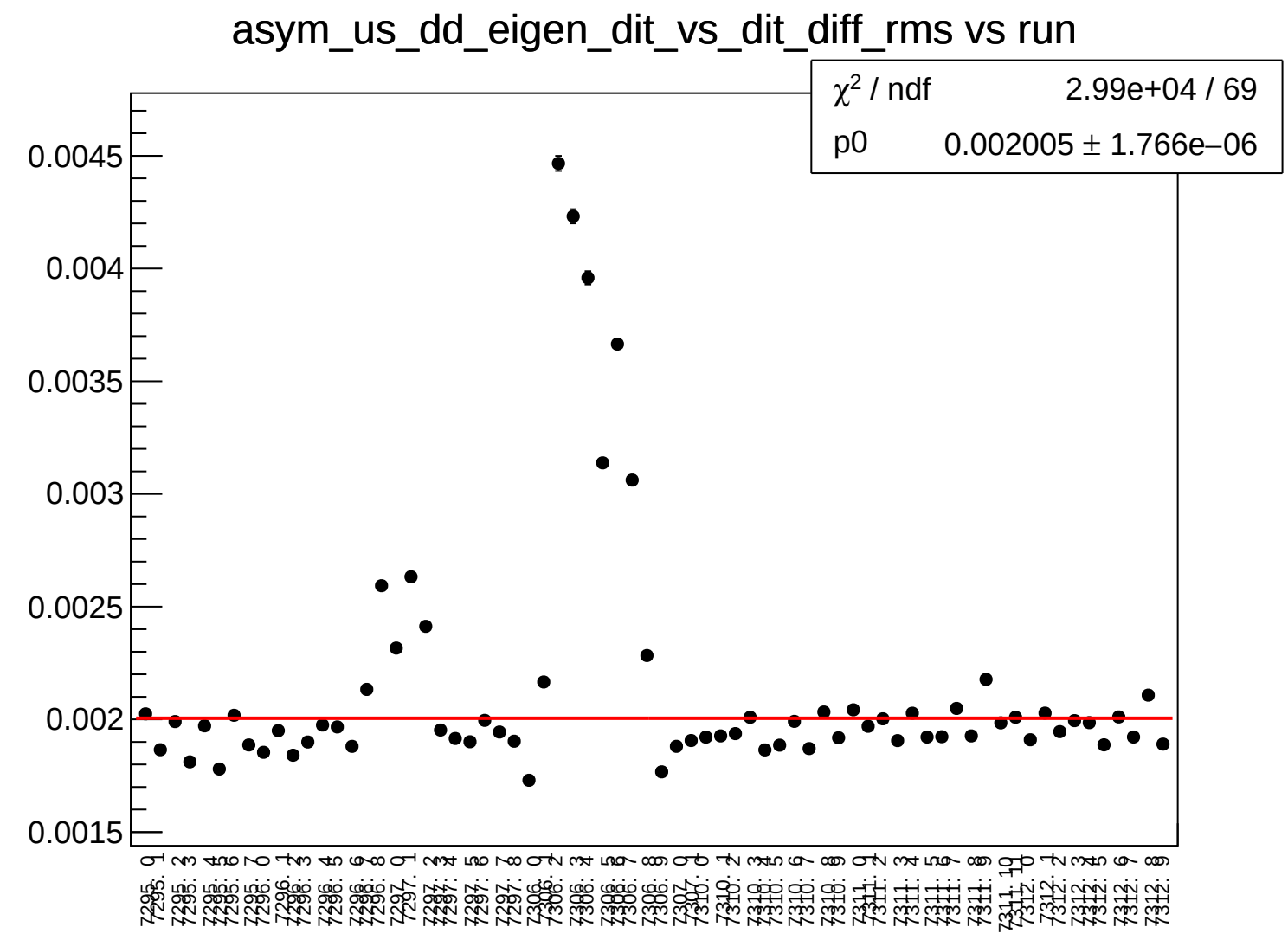

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.632e+05 / 69
p0 33.67 ± 0.03639
220
200
180
160
140
120
100
80
60
40
20

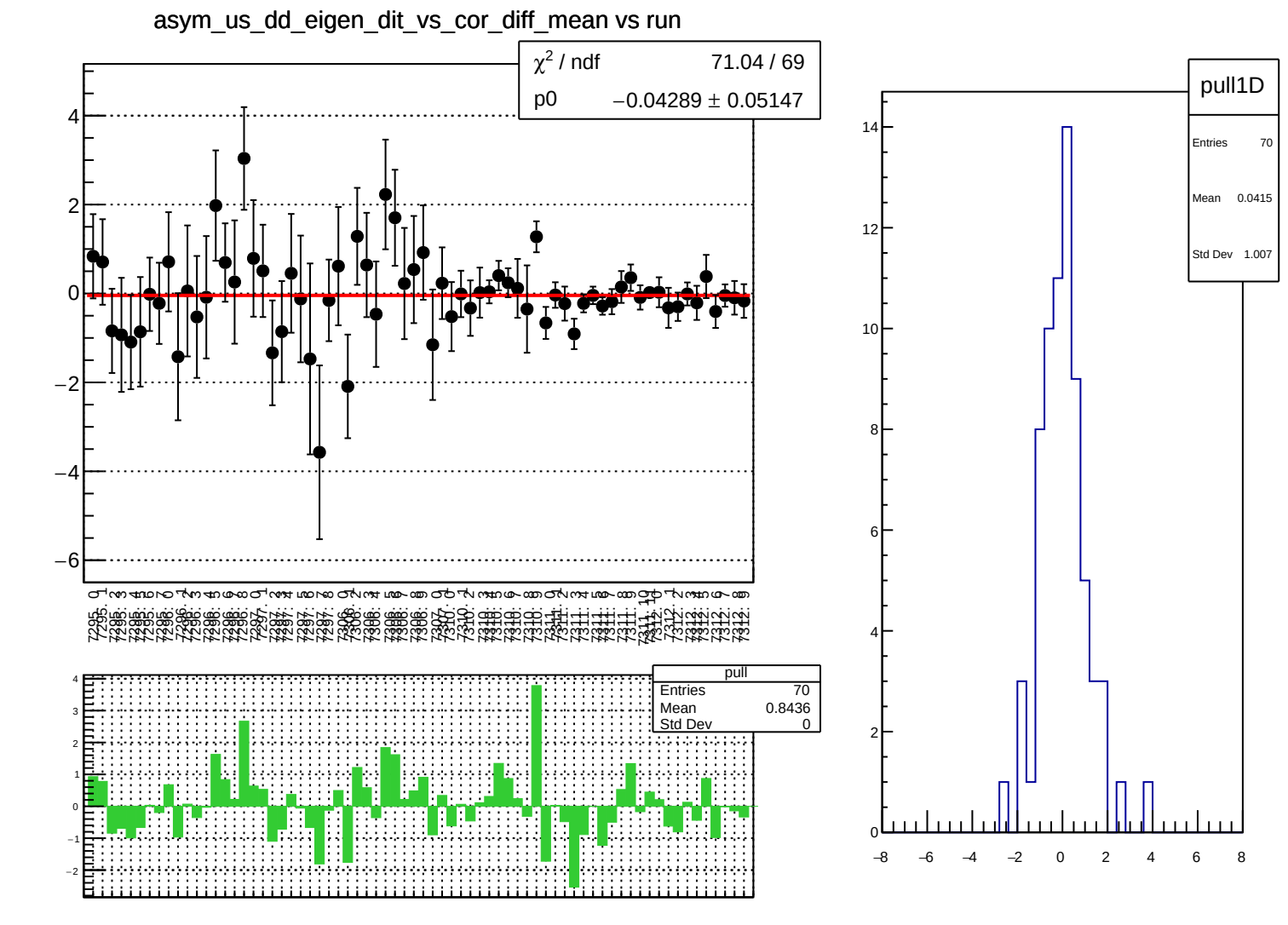

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 80.4 / 69
p0 −0.1002 ± 0.07899
pull
Entries 70
Mean 13.05
Std Dev 0
pull1D
Entries 70
Mean 0.04427
Std Dev 1.071

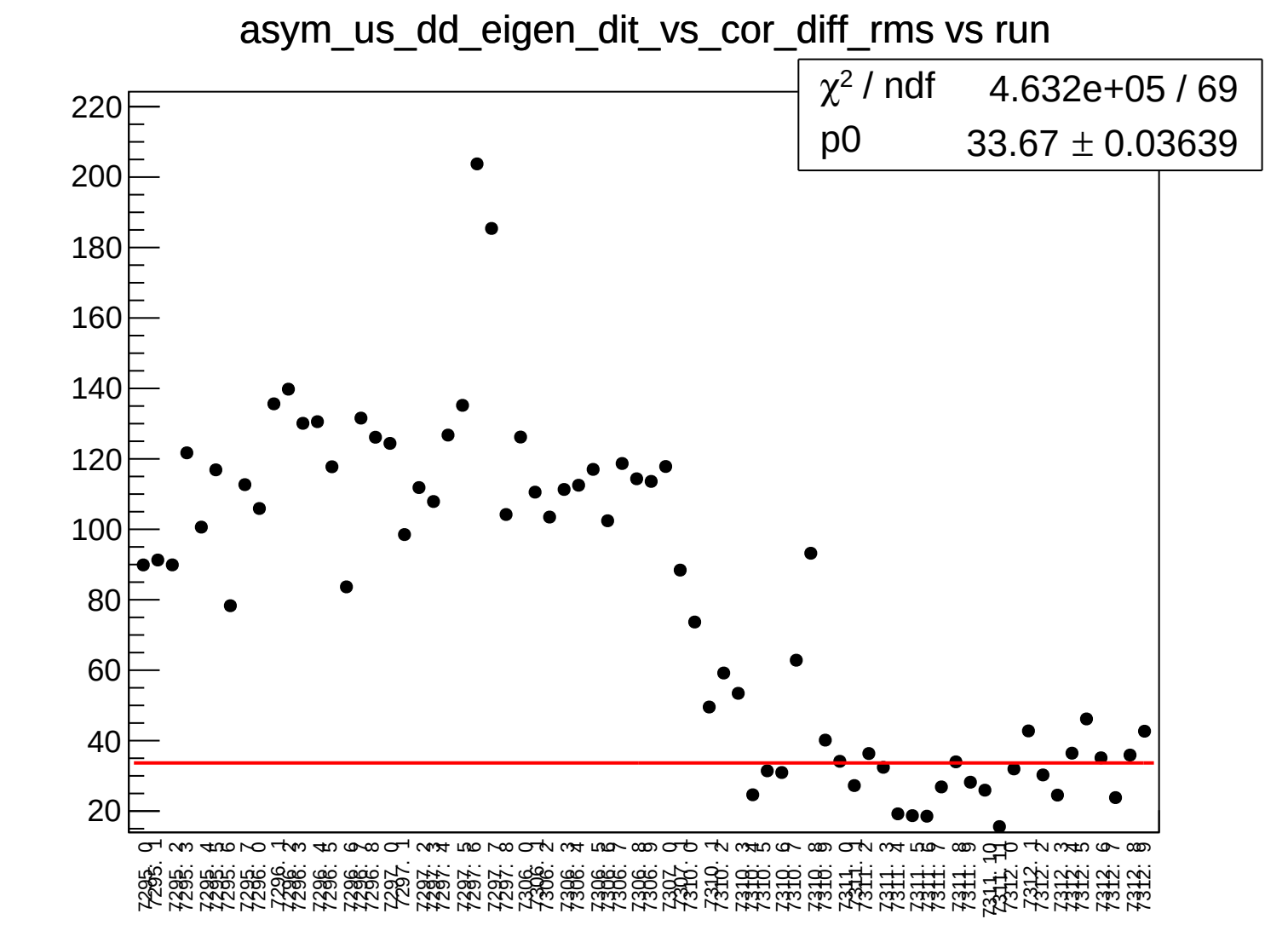

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.896e+05 / 69
p0 56.67 ± 0.05585
220
200
180
160
140
120
100
80
60
40
20

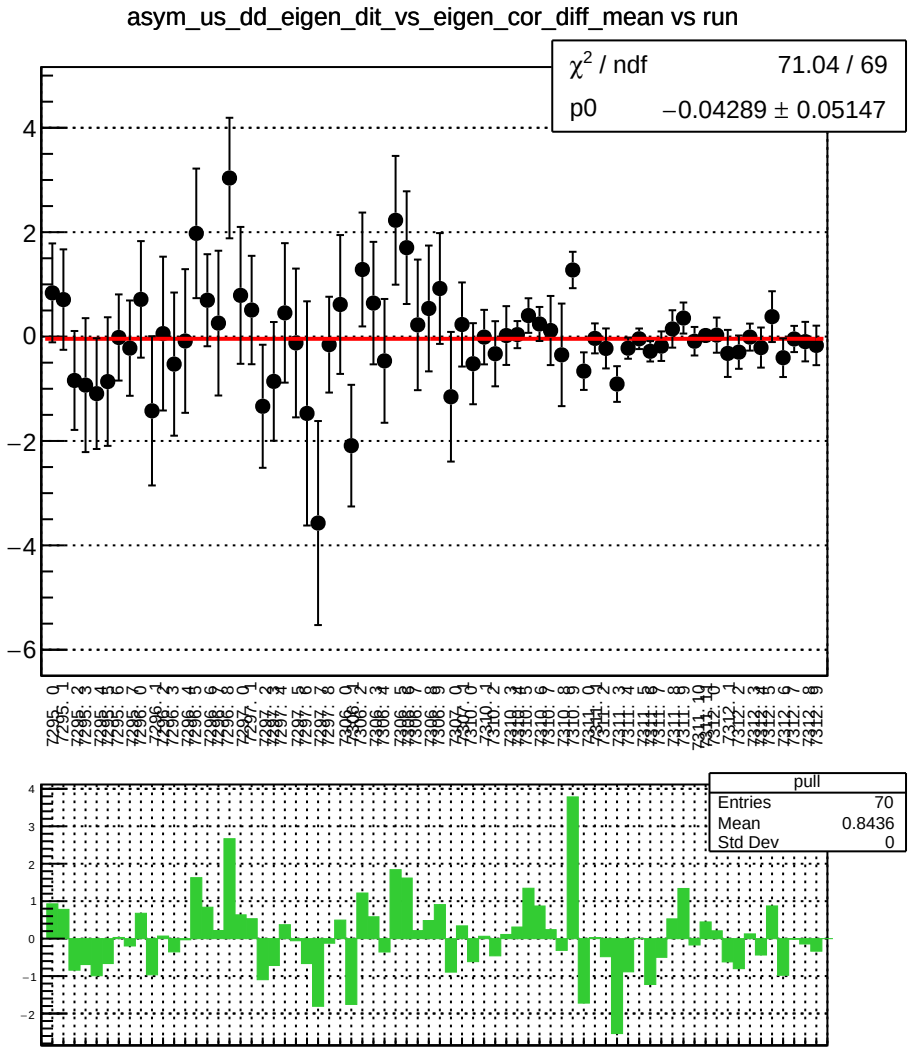

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.62 / 69
p0 2.25e−07 ± 2.497e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 70
Mean −6339
Std Dev 0
2
1
0
−1
−2

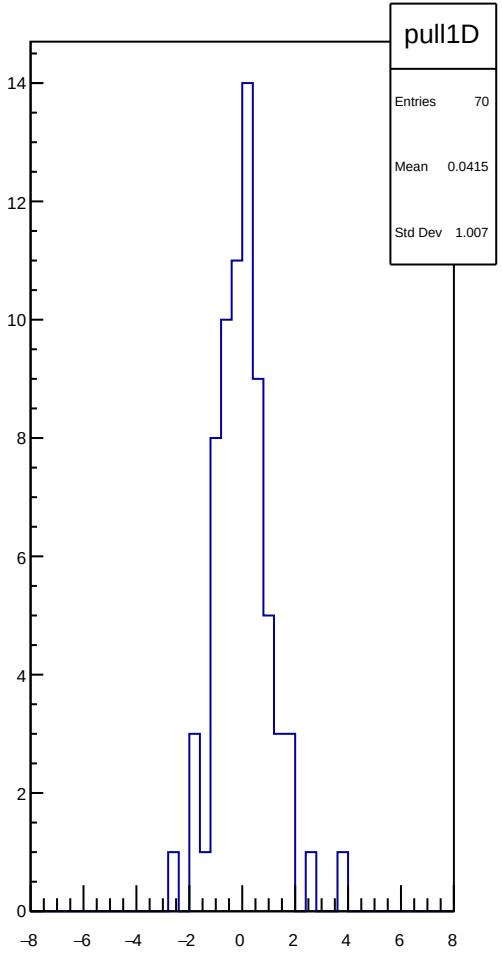

pull1D
Entries 70
Mean −0.0001644
Std Dev 0.9682
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

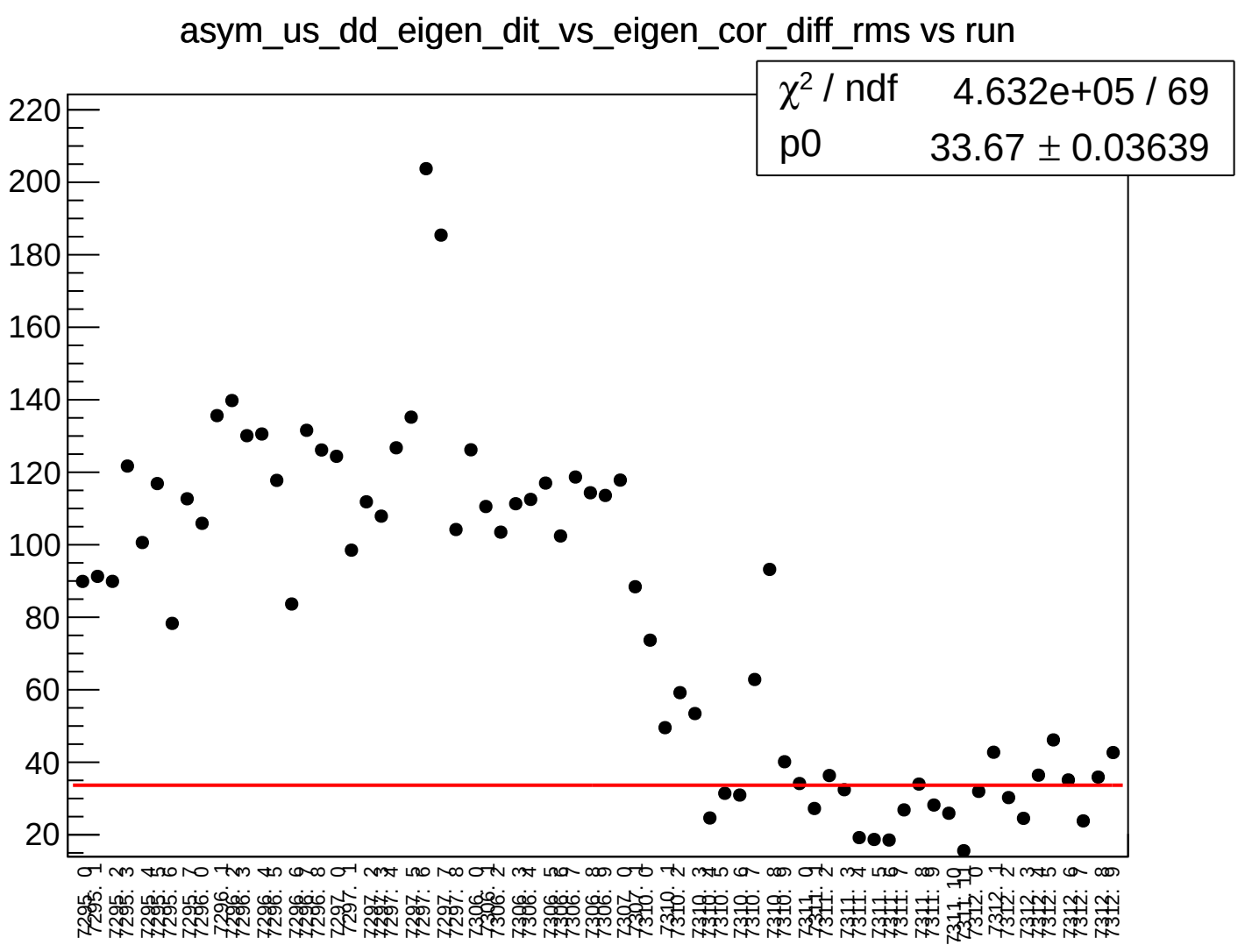

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.99e+04 / 69
p0 0.002005 ± 1.766e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

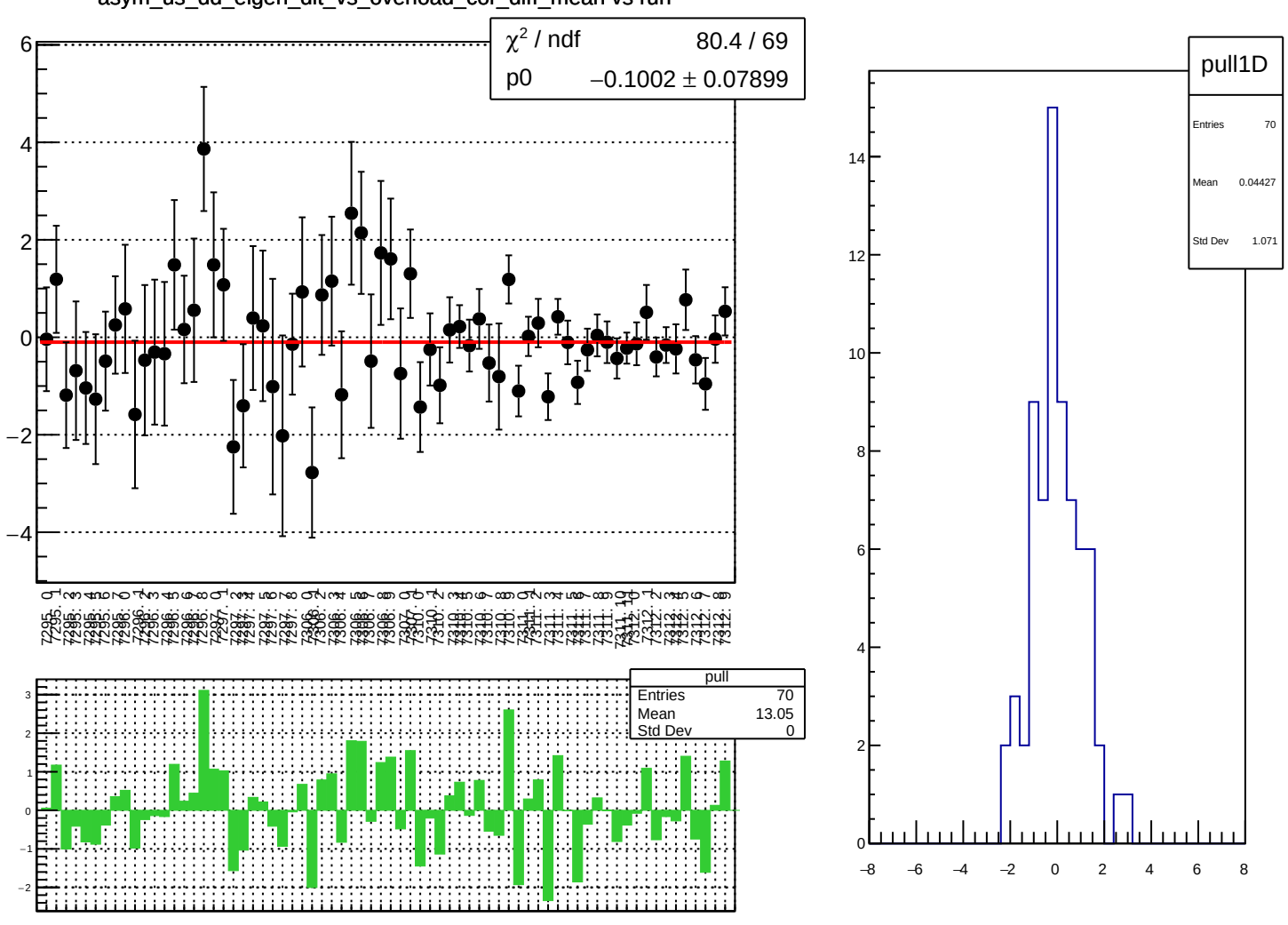

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.04 / 69
p0 −0.04289 ± 0.05147
pull
Entries 70
Mean 0.8436
Std Dev 0
pull1D
Entries 70
Mean 0.0415
Std Dev 1.007

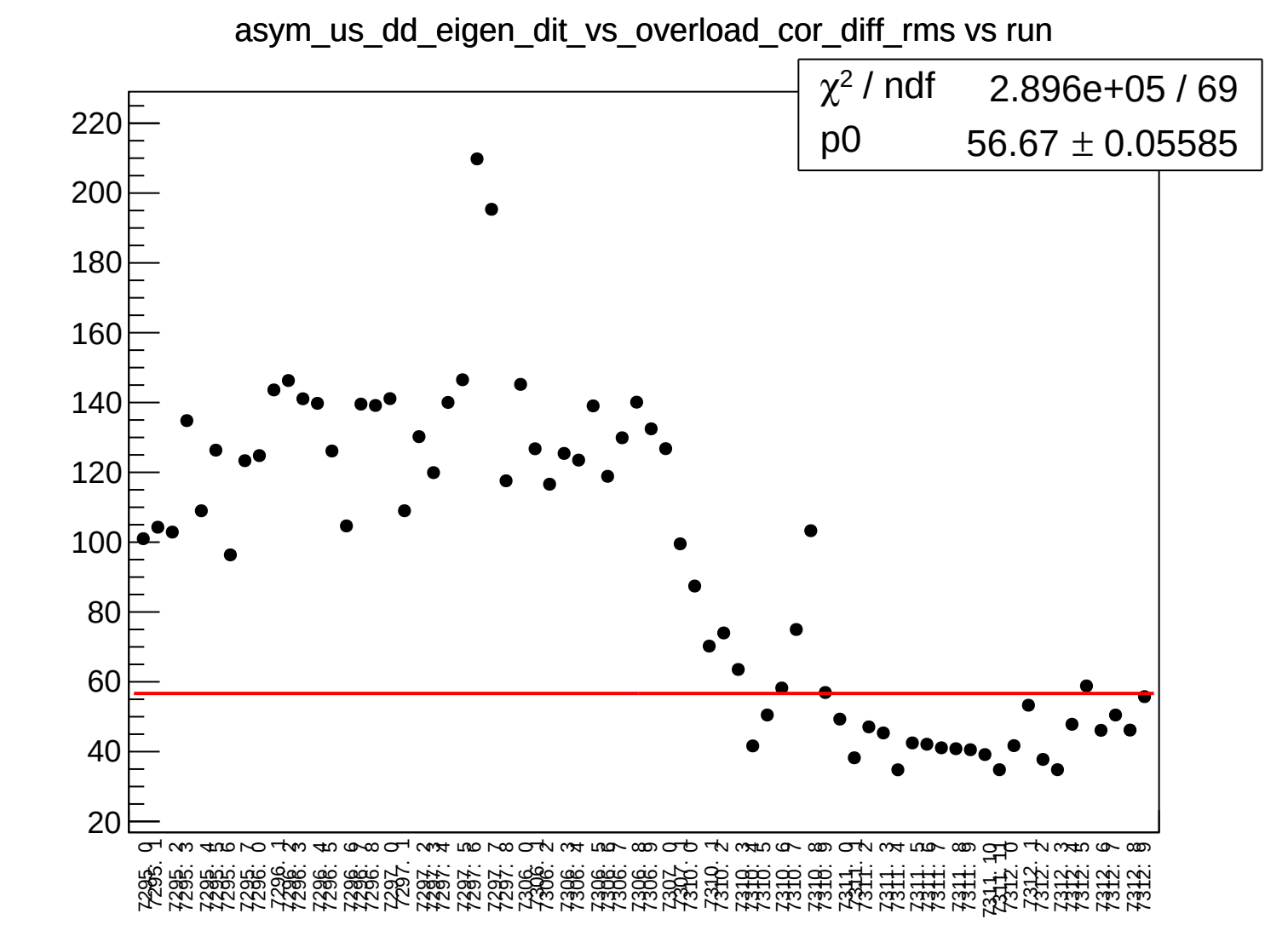

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.632e+05 / 69
p0 33.67 ± 0.03639
220
200
180
160
140
120
100
80
60
40
20

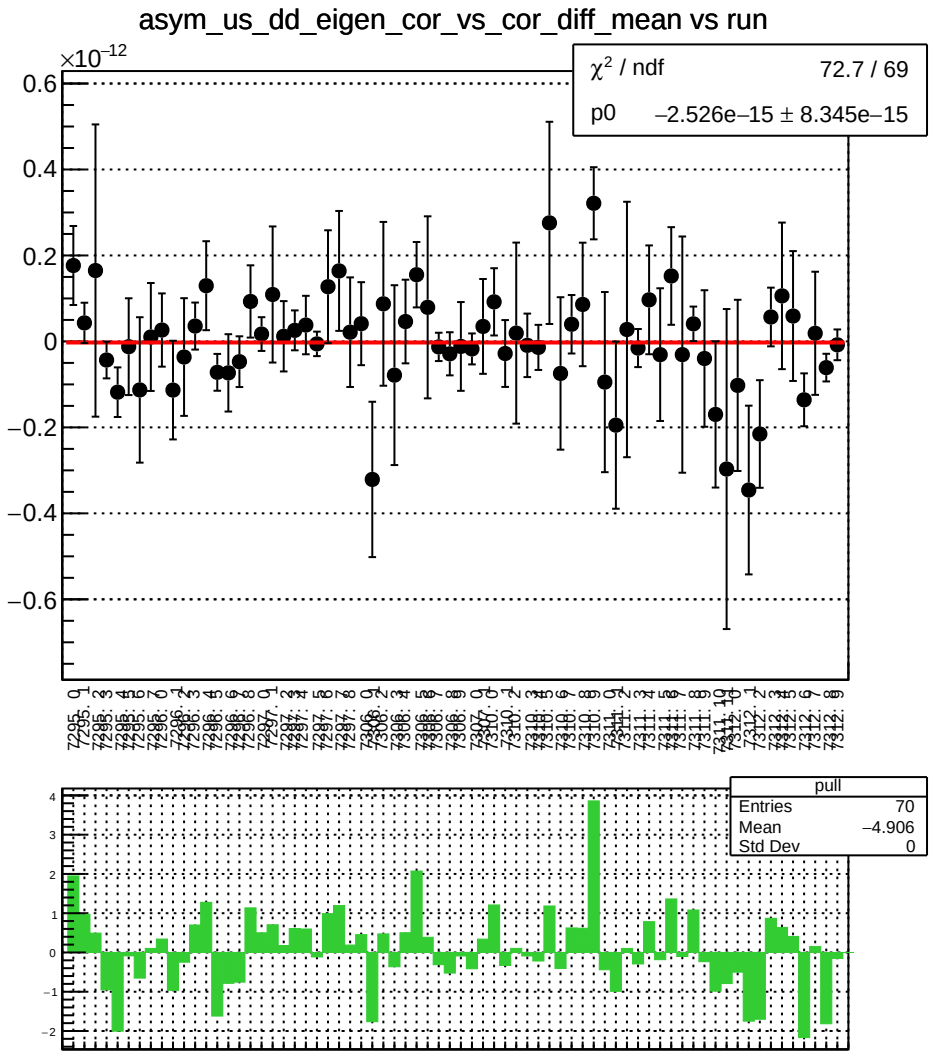

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.04 / 69
p0 −0.04289 ± 0.05147
pull
Entries 70
Mean 0.8436
Std Dev 0

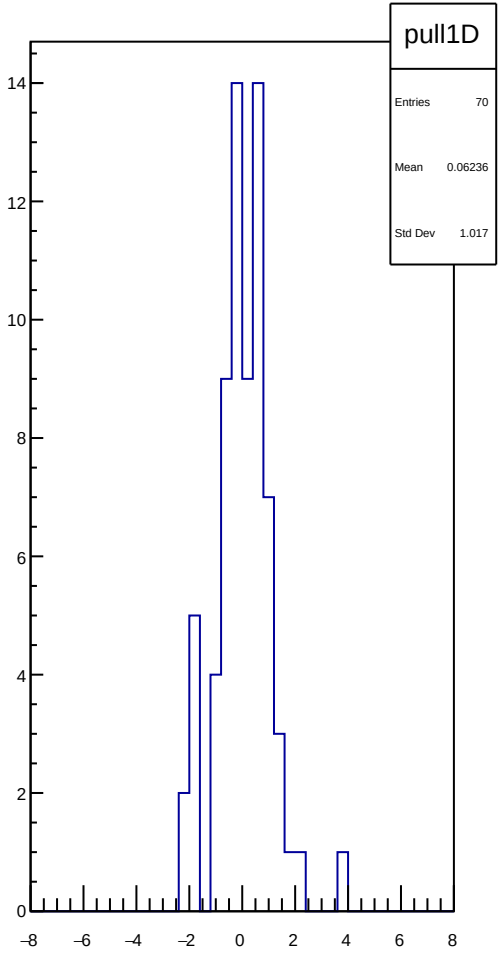

pull1D
Entries 70
Mean 0.0415
Std Dev 1.007

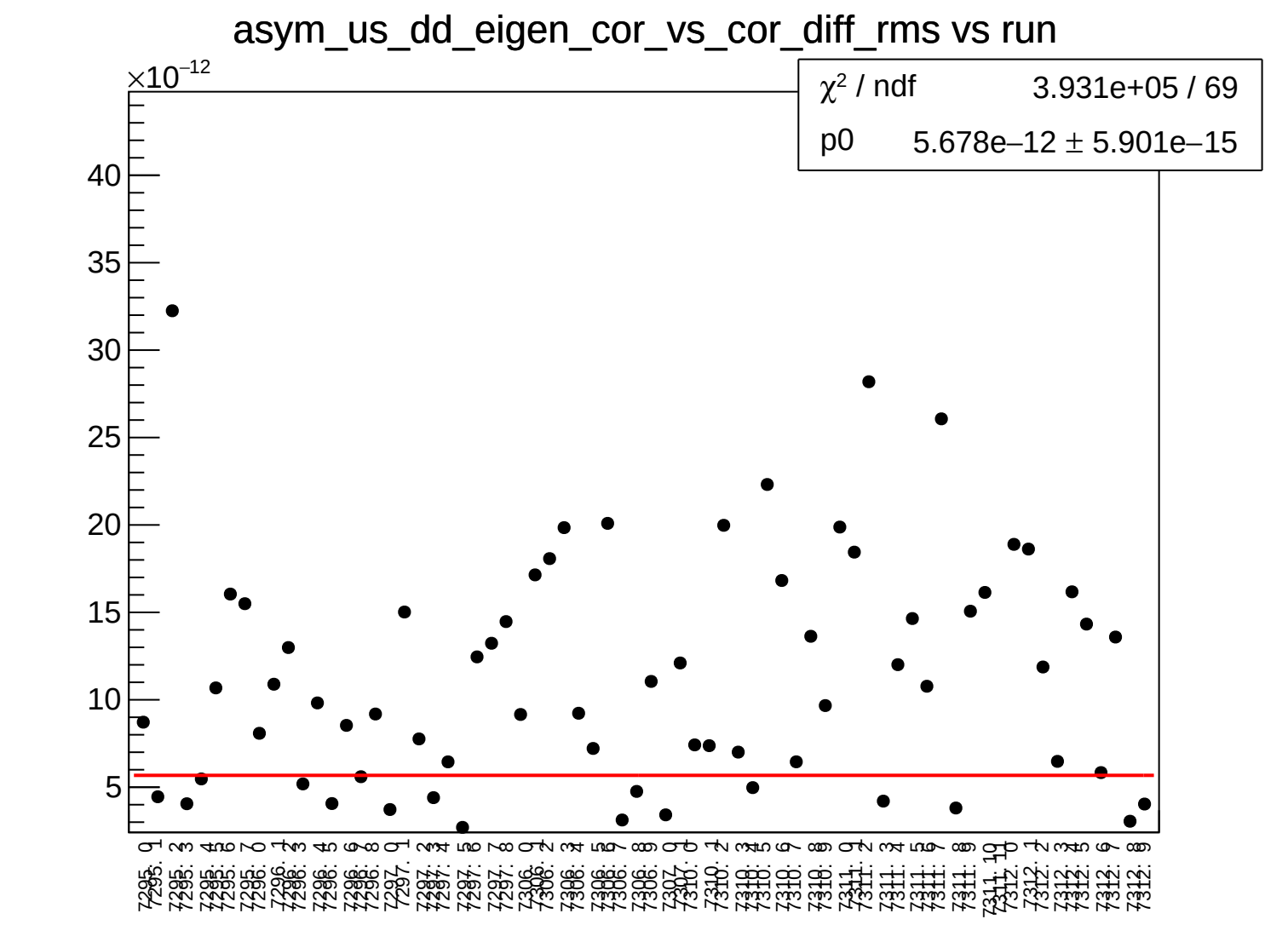

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.632e+05 / 69
p0 33.67 ± 0.03639
220
200
180
160
140
120
100
80
60
40
20

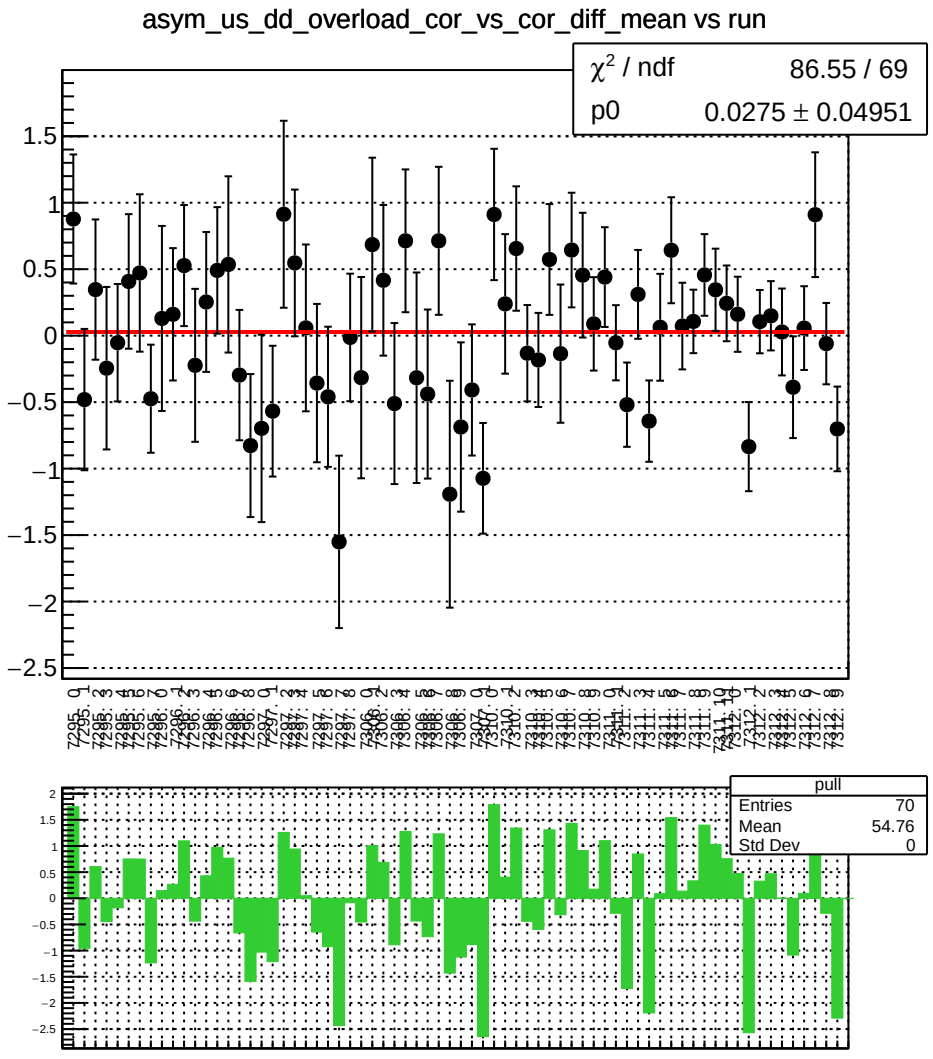

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 80.4 / 69
p0 −0.1002 ± 0.07899
pull
Entries 70
Mean 13.05
Std Dev 0
pull1D
Entries 70
Mean 0.04427
Std Dev 1.071

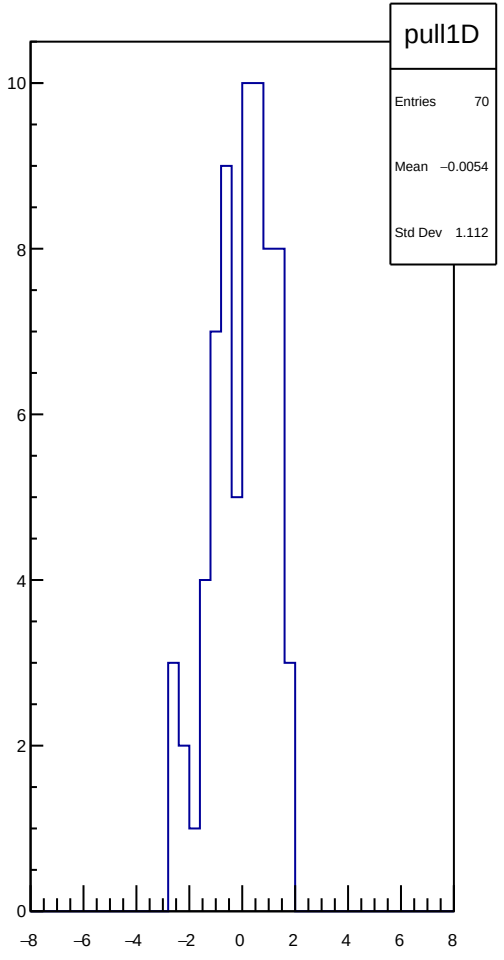

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.896e+05 / 69
p0 56.67 ± 0.05585
220
200
180
160
140
120
100
80
60
40
20

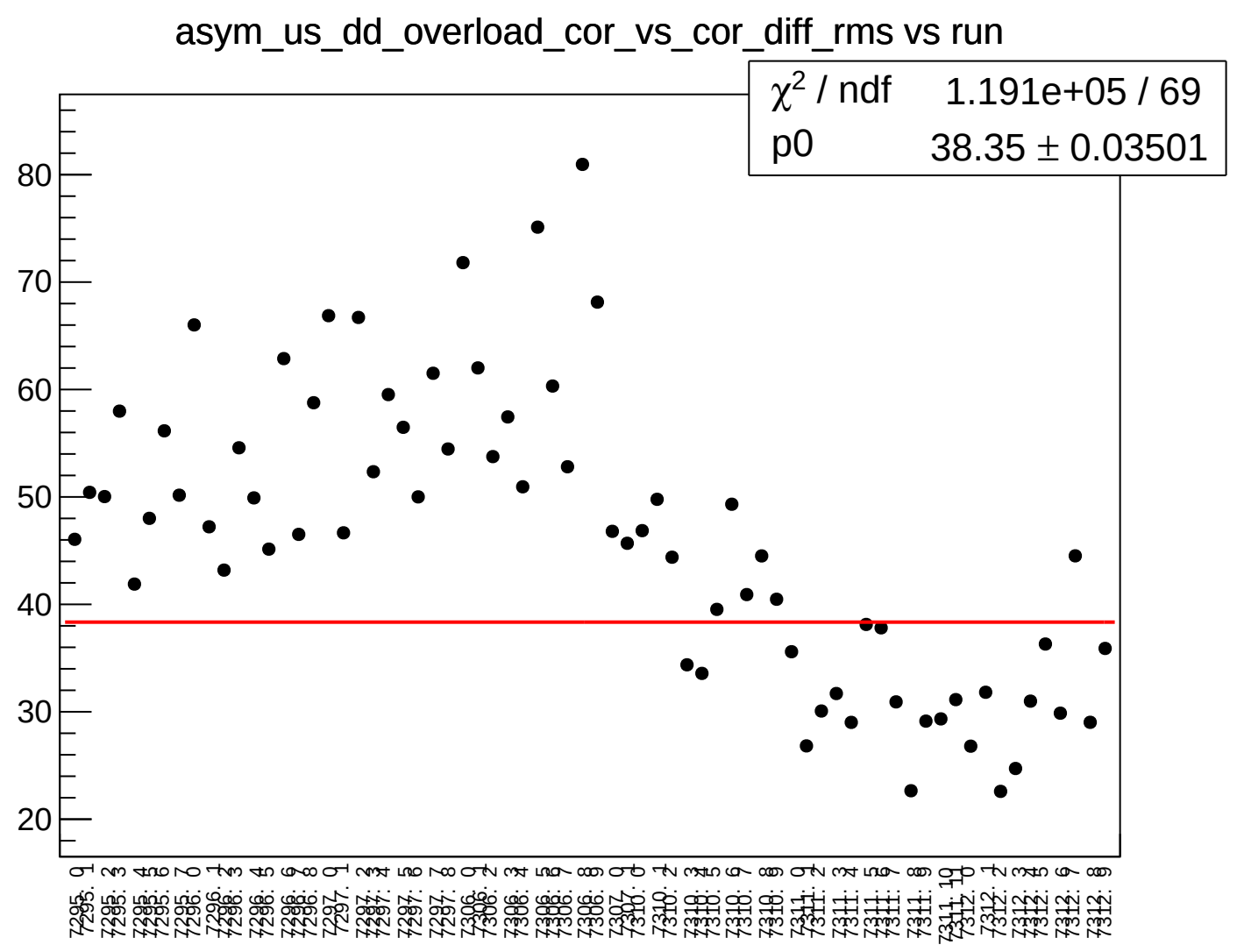

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.7 / 69
p0 −2.526e−15 ± 8.345e−15
pull
Entries 70
Mean −4.906
Std Dev 0

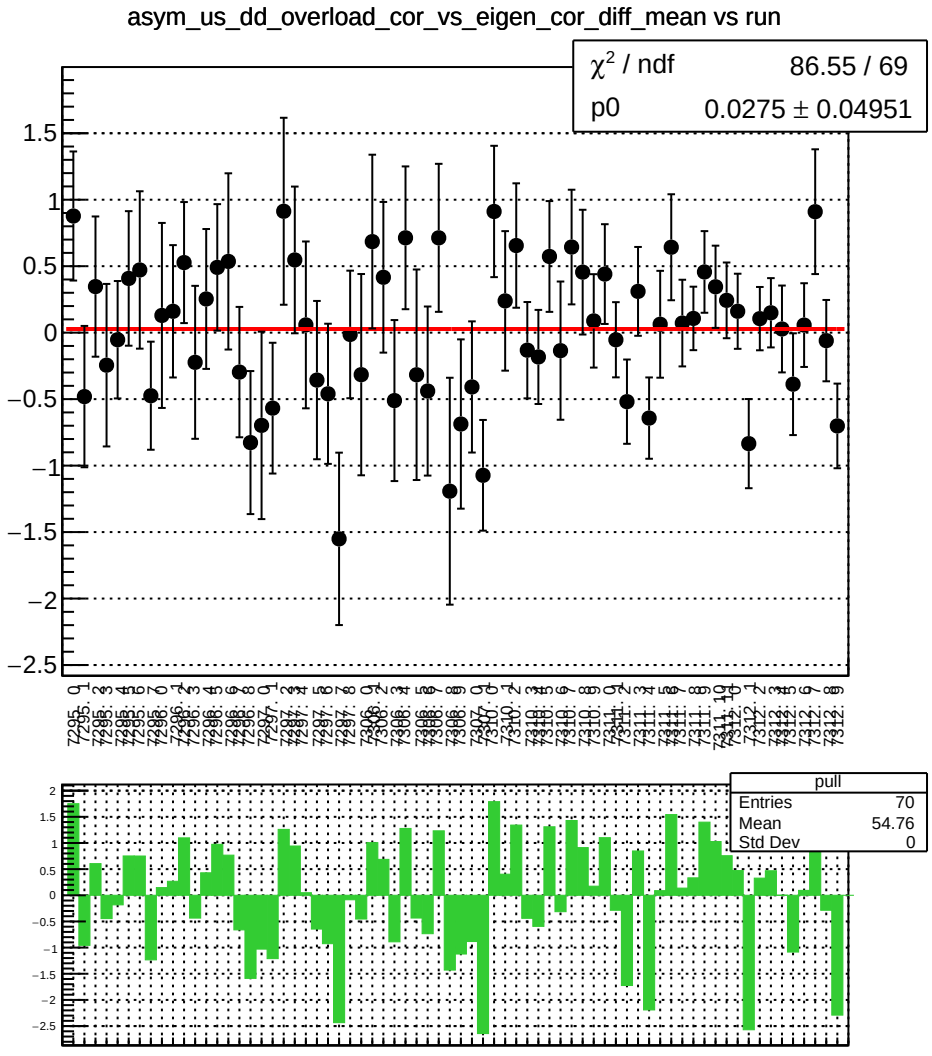

pull1D
Entries 70
Mean 0.06236
Std Dev 1.017

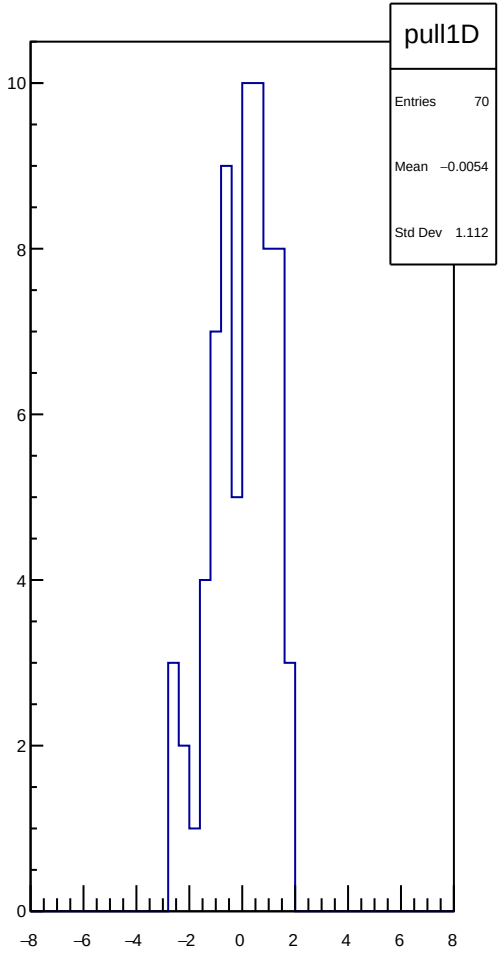

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.931e+05 / 69
p0 5.678e−12 ± 5.901e−15
40
35
30
25
20
15
10
5

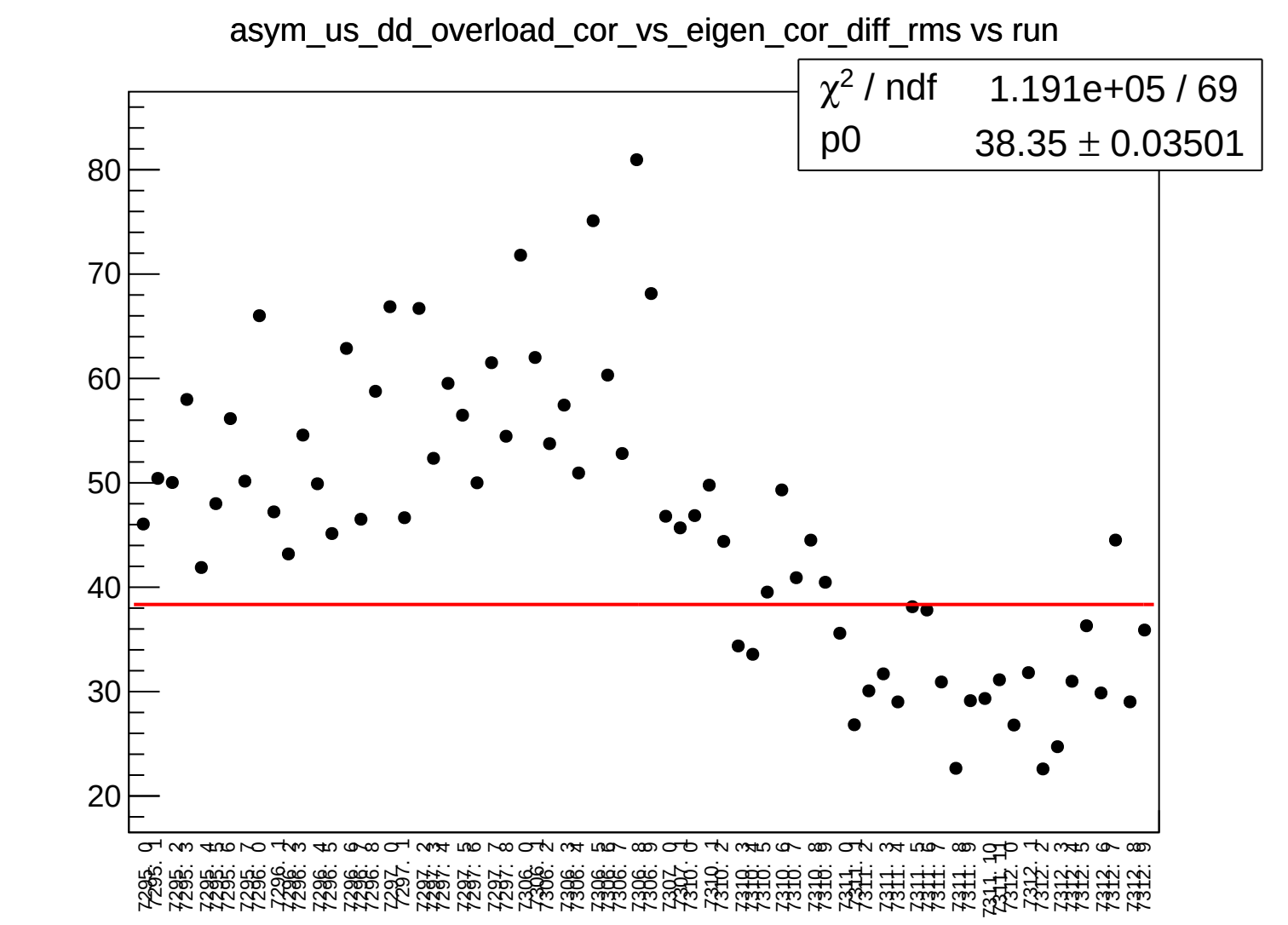

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 86.55 / 69
p0 0.0275 ± 0.04951
pull
Entries 70
Mean 54.76
Std Dev 0

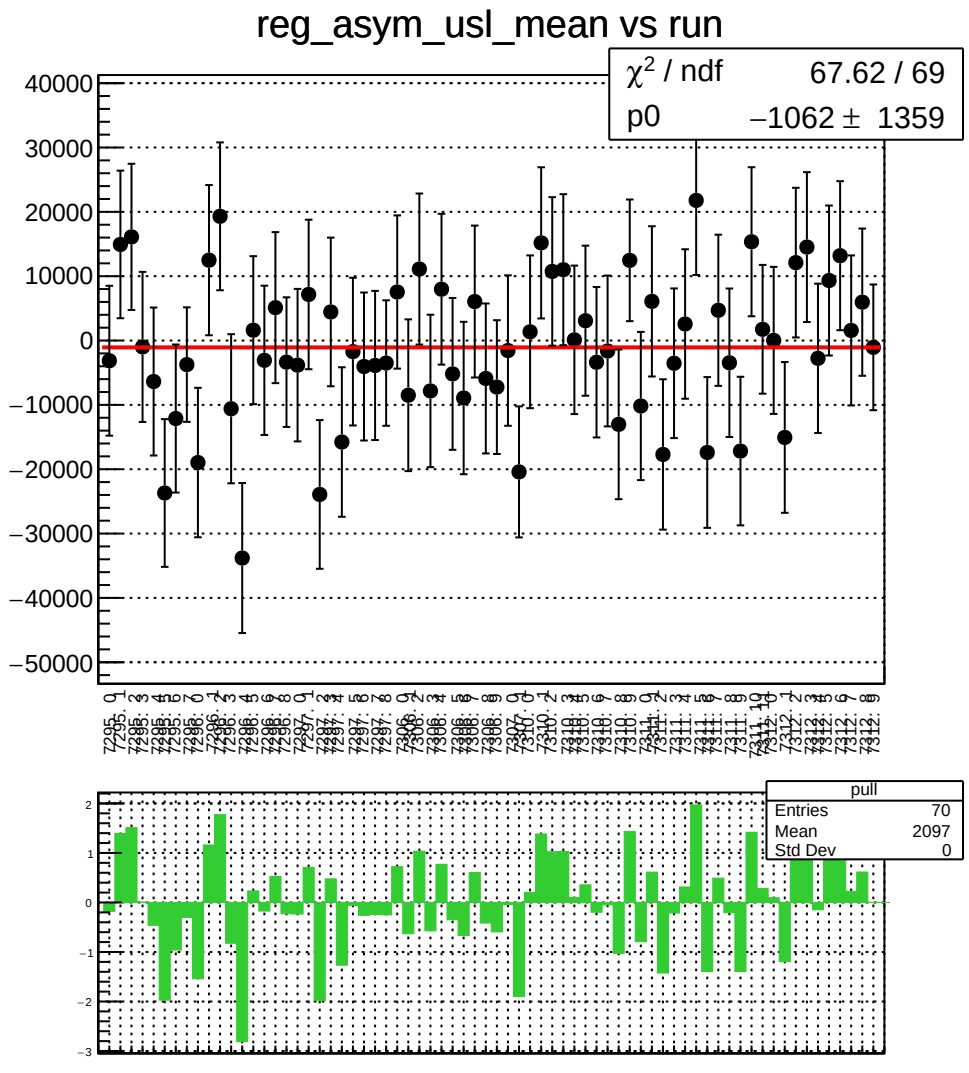

pull1D
Entries 70
Mean −0.0054
Std Dev 1.112

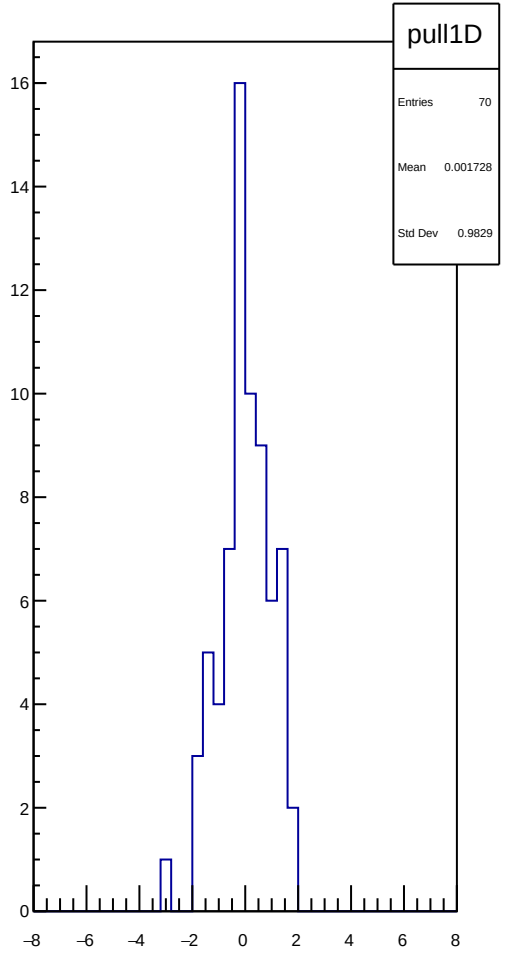

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 1.191e+05 / 69
p0 38.35 ± 0.03501
80
70
60
50
40
30
20

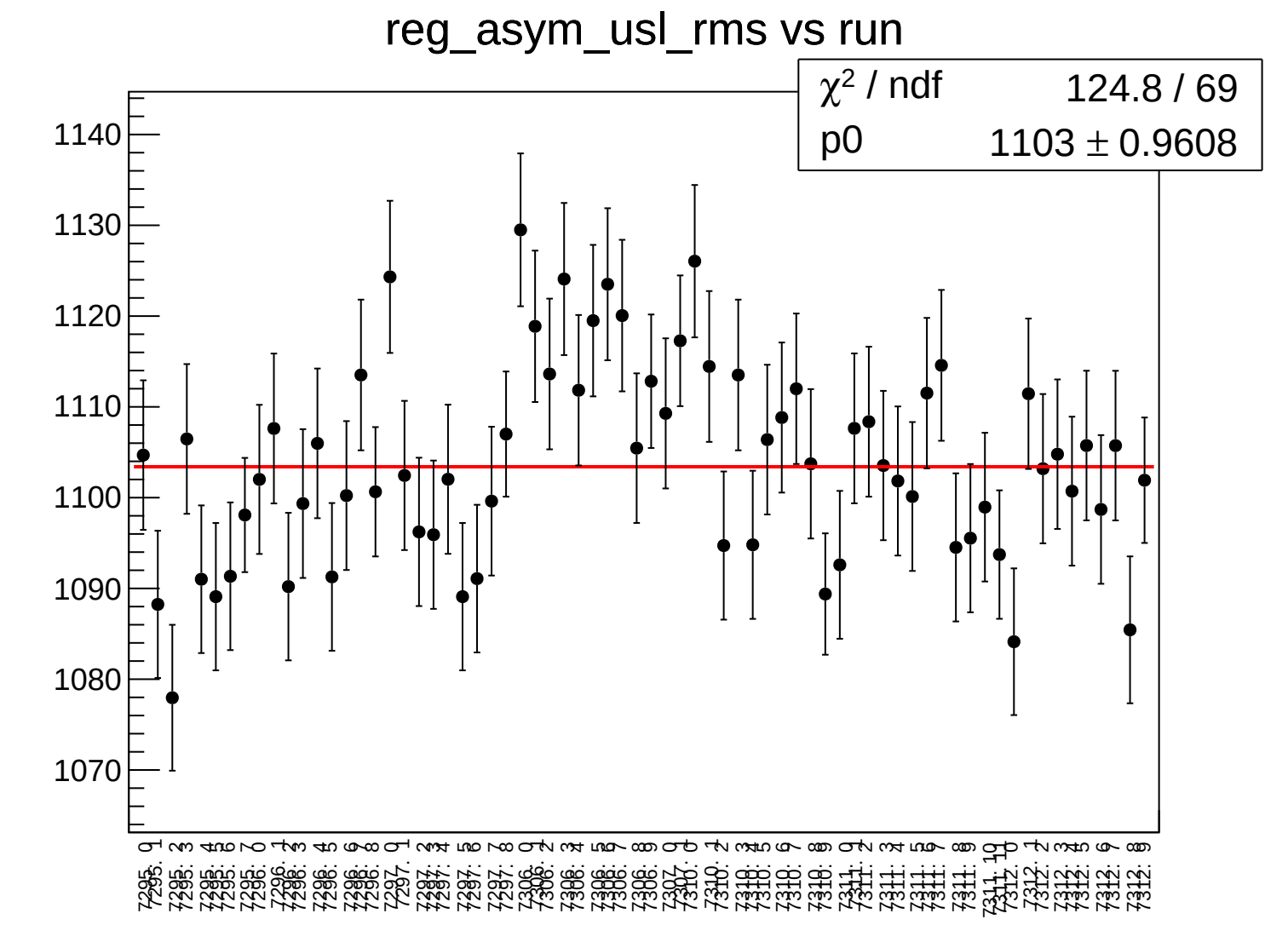

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.55 / 69
p0 0.0275 ± 0.04951
pull
Entries 70
Mean 54.76
Std Dev 0

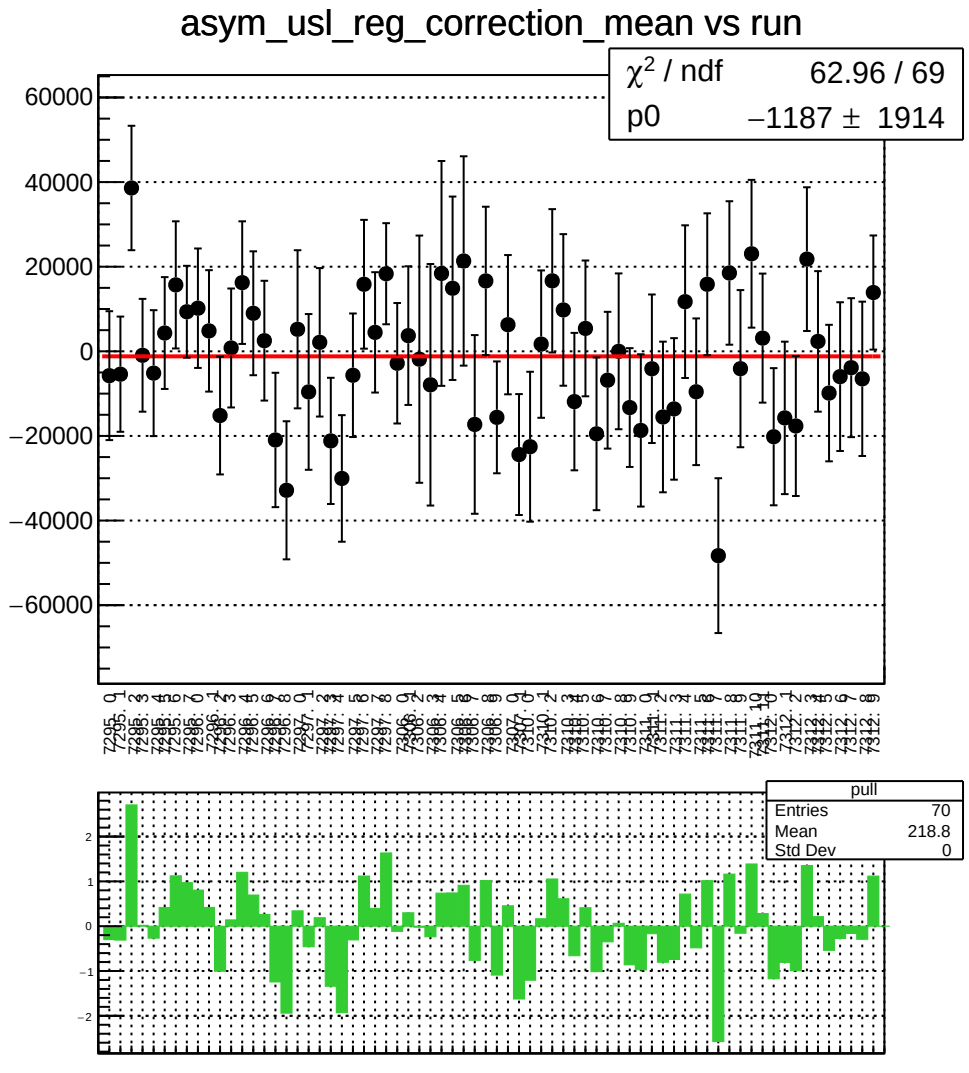

pull1D
Entries 70
Mean −0.0054
Std Dev 1.112

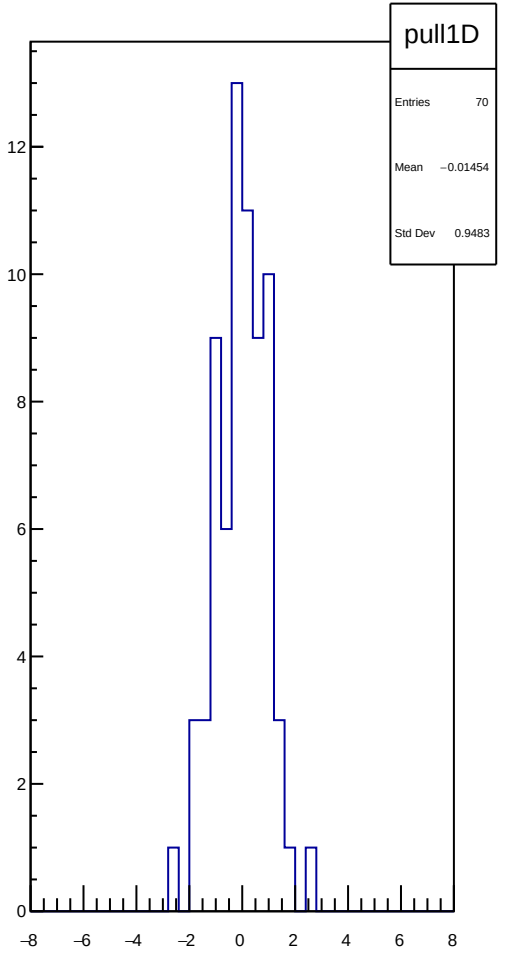

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.191e+05 / 69
p0 38.35 ± 0.03501
80
70
60
50
40
30
20

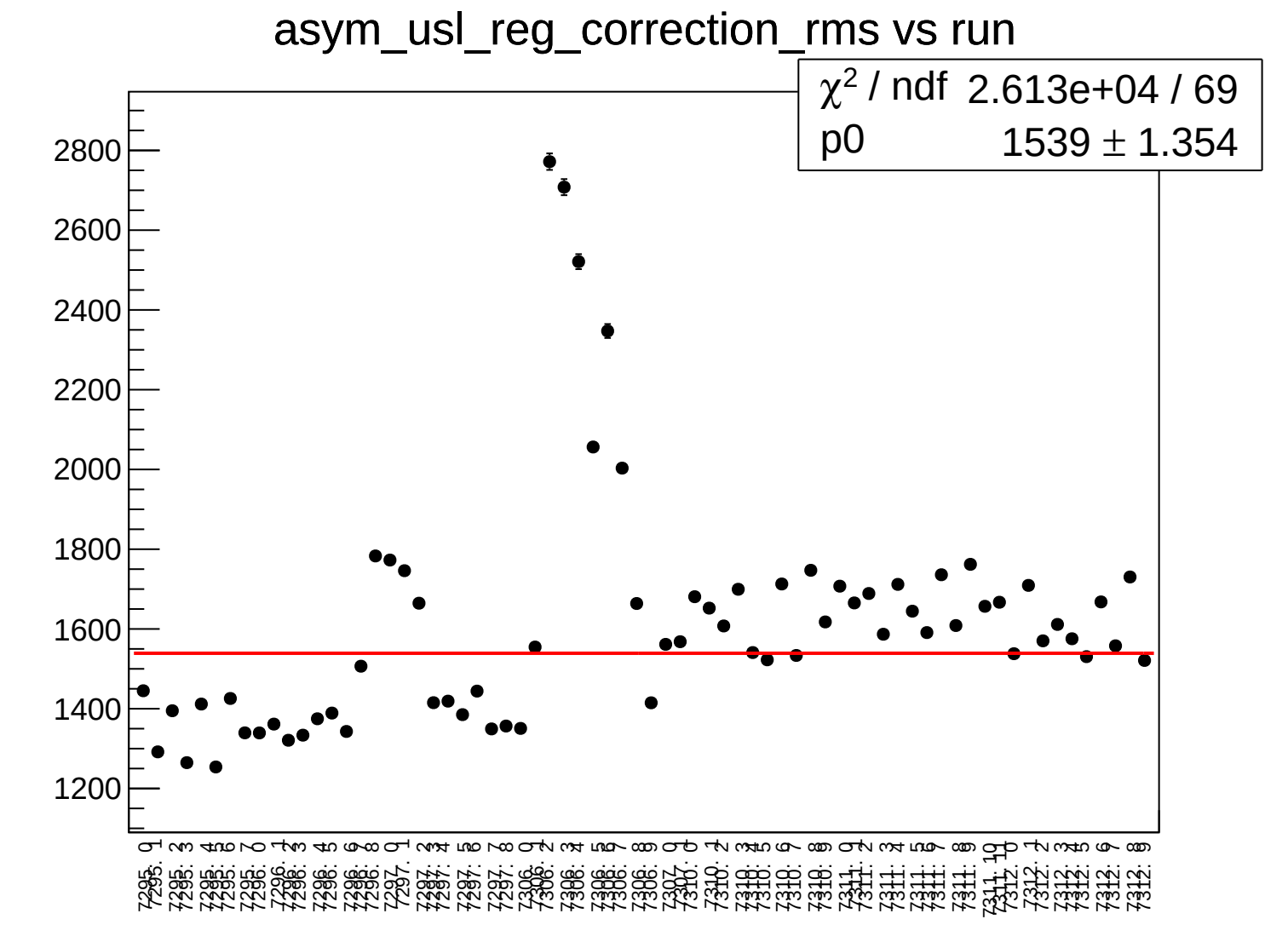

reg_asym_usl_mean vs run
χ² / ndf 67.62 / 69
p0 −1062 ± 1359
pull
Entries 70
Mean 2097
Std Dev 0

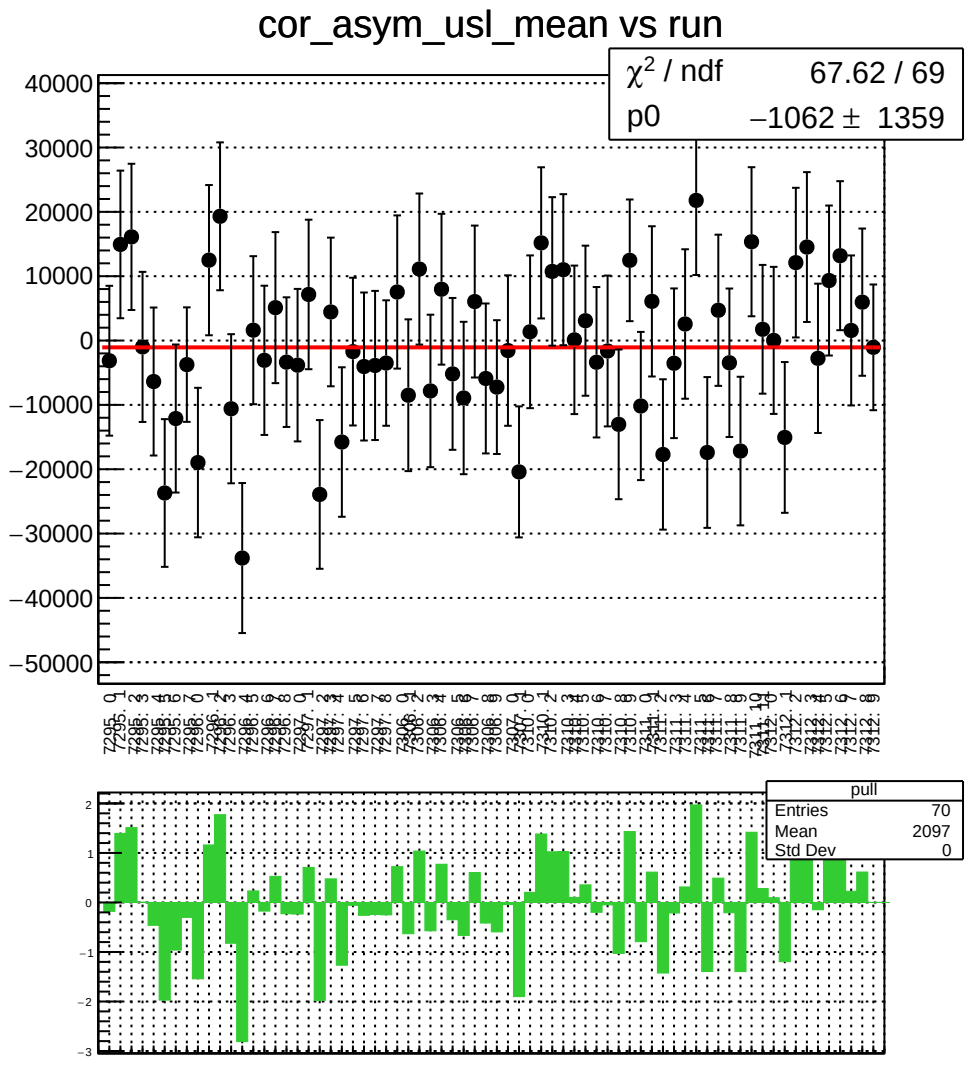

pull1D
Entries 70
Mean 0.001728
Std Dev 0.9829

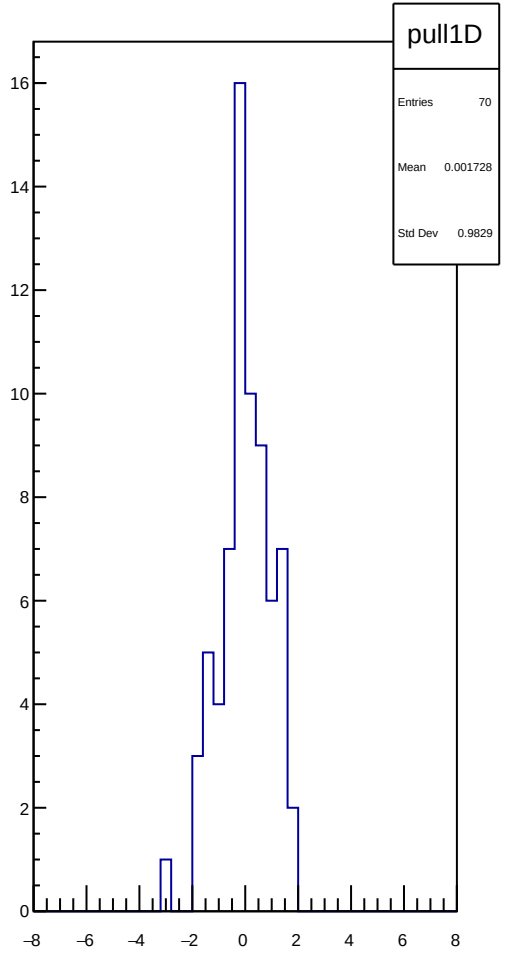

reg_asym_usl_rms vs run
χ² / ndf 124.8 / 69
p0 1103 ± 0.9608
1140
1130
1120
1110
1100
1090
1080
1070

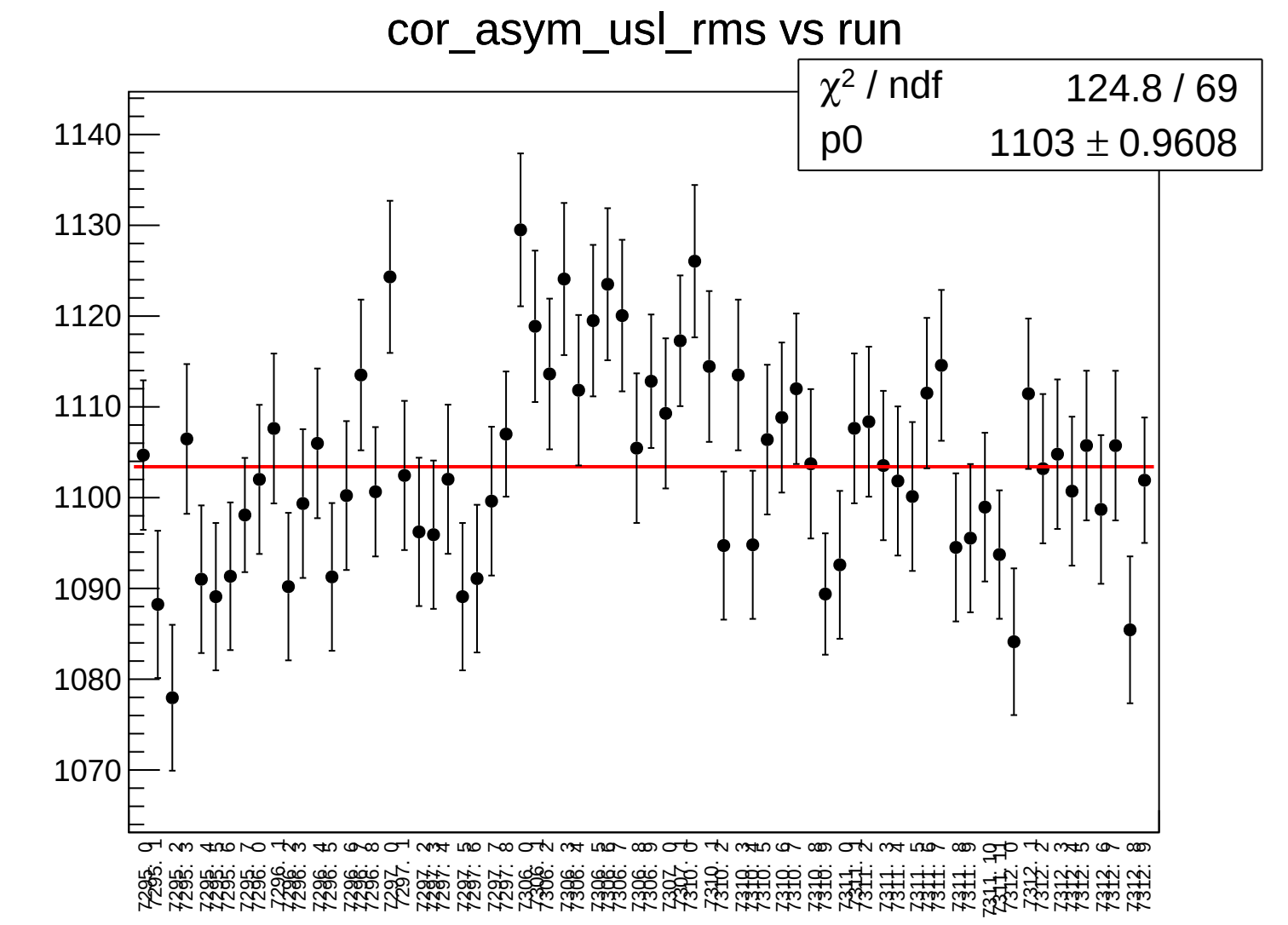

asym_usl_reg_correction_mean vs run
χ² / ndf 62.96 / 69
p0 −1187 ± 1914
pull
Entries 70
Mean 218.8
Std Dev 0

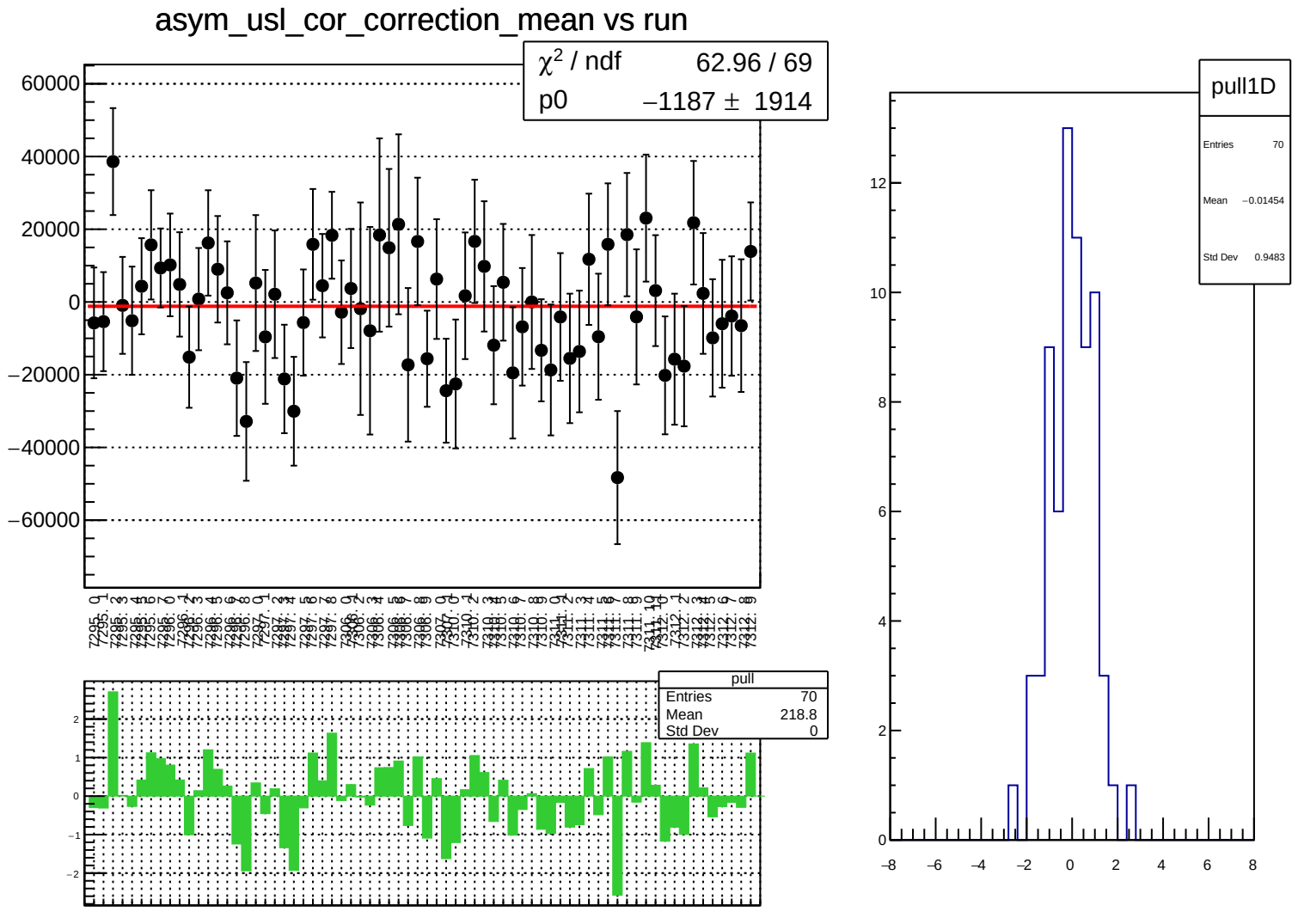

pull1D
Entries 70
Mean −0.01454
Std Dev 0.9483

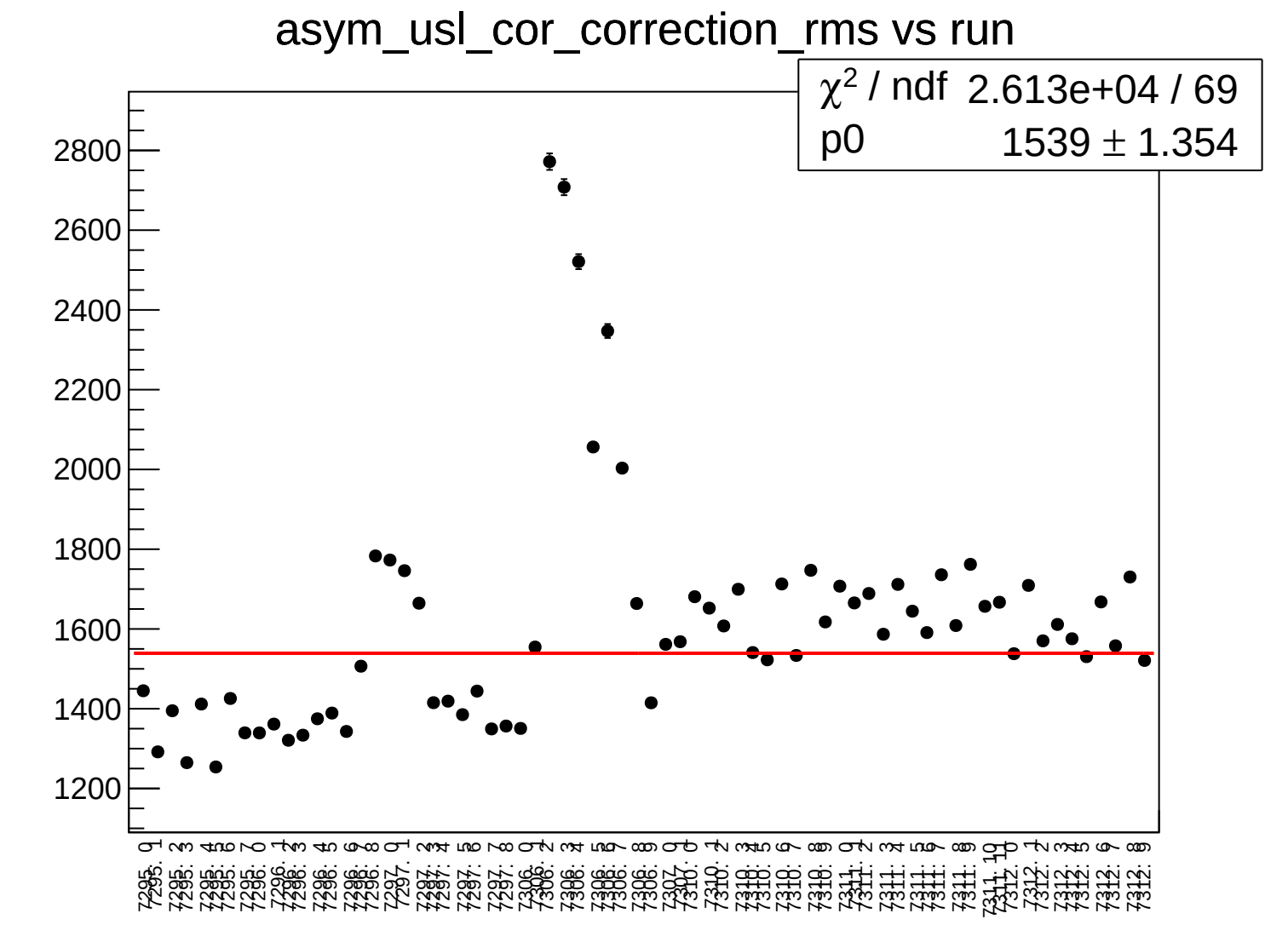

asym_usl_reg_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 1539 ± 1.354
2800
2600
2400
2200
2000
1800
1600
1400
1200

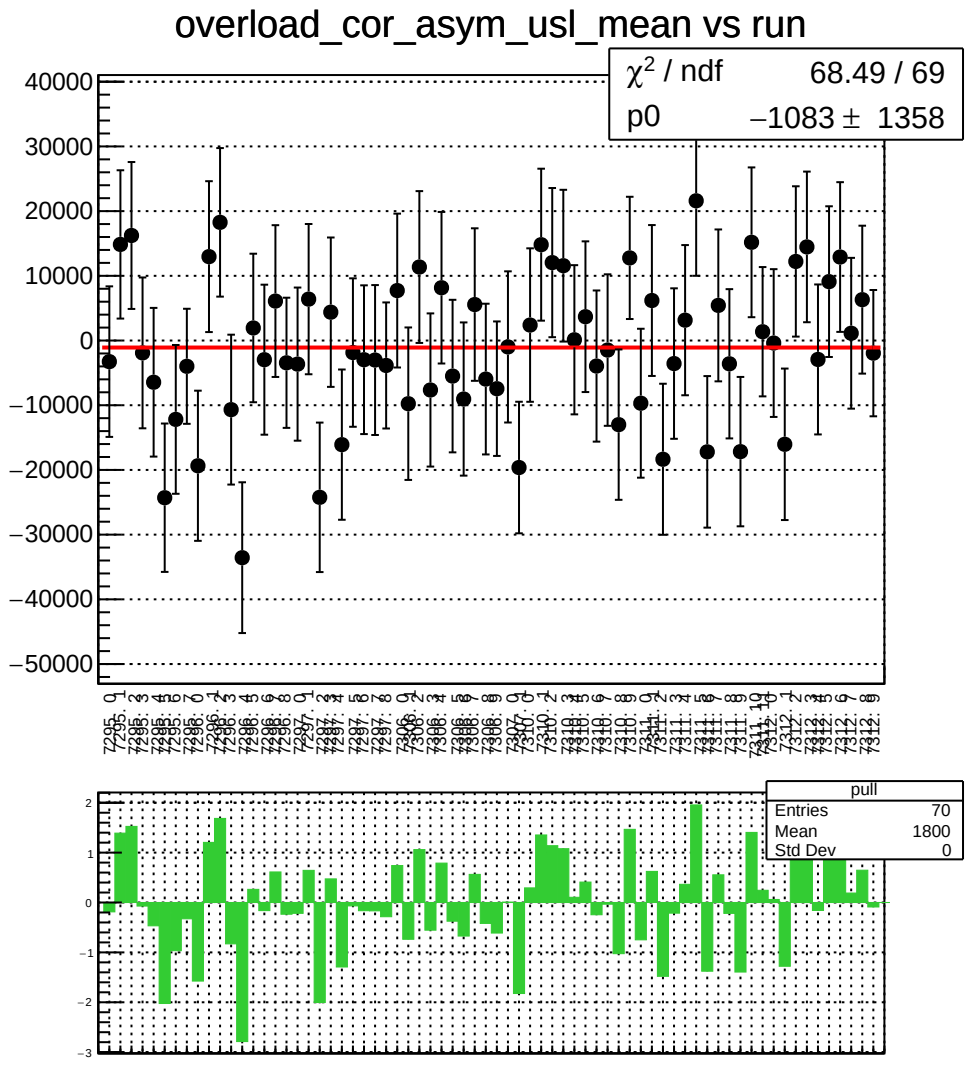

cor_asym_usl_mean vs run
χ² / ndf 67.62 / 69
p0 −1062 ± 1359
pull
Entries 70
Mean 2097
Std Dev 0

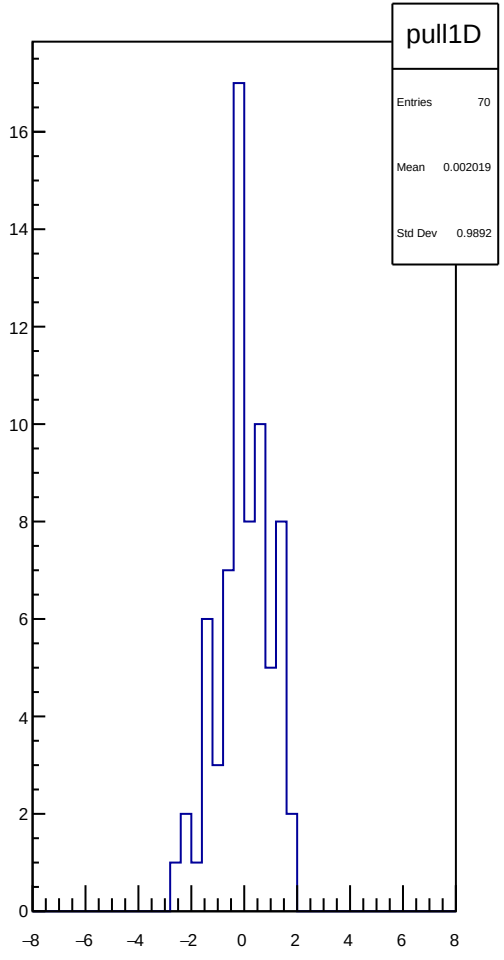

pull1D
Entries 70
Mean 0.001728
Std Dev 0.9829

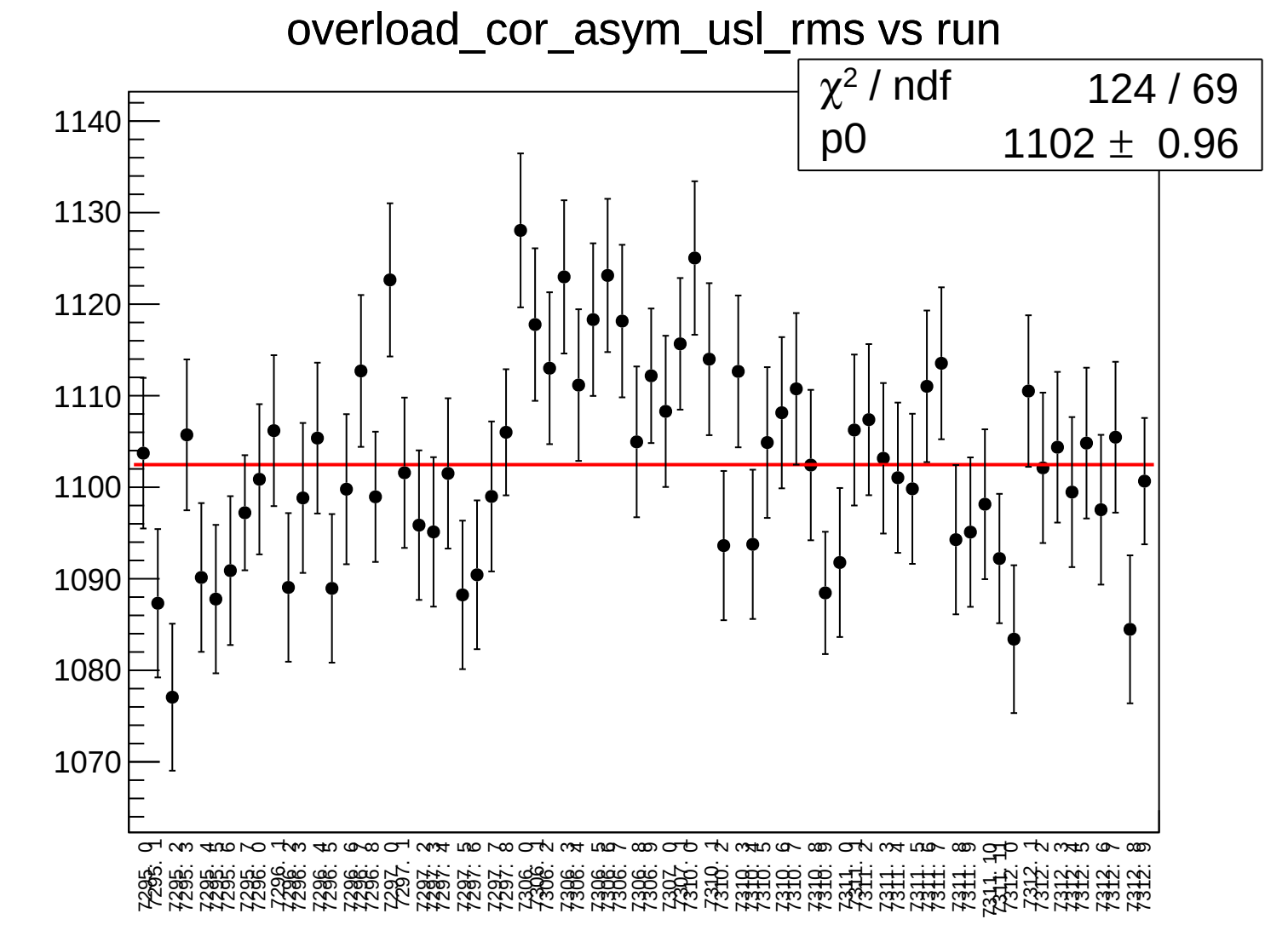

cor_asym_usl_rms vs run
χ² / ndf 124.8 / 69
p0 1103 ± 0.9608
1140
1130
1120
1110
1100
1090
1080
1070

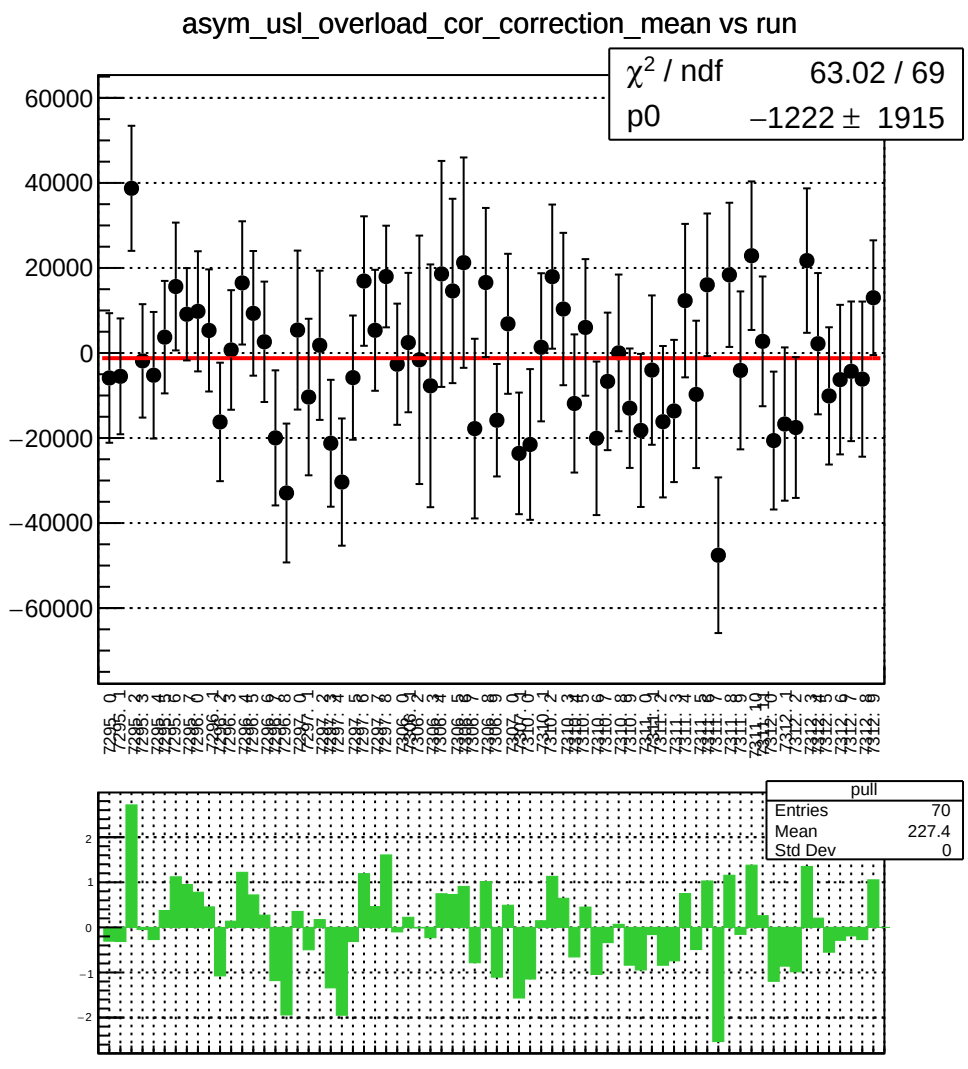

asym_usl_cor_correction_mean vs run
χ² / ndf 62.96 / 69
p0 −1187 ± 1914
pull
Entries 70
Mean 218.8
Std Dev 0
pull1D
Entries 70
Mean −0.01454
Std Dev 0.9483

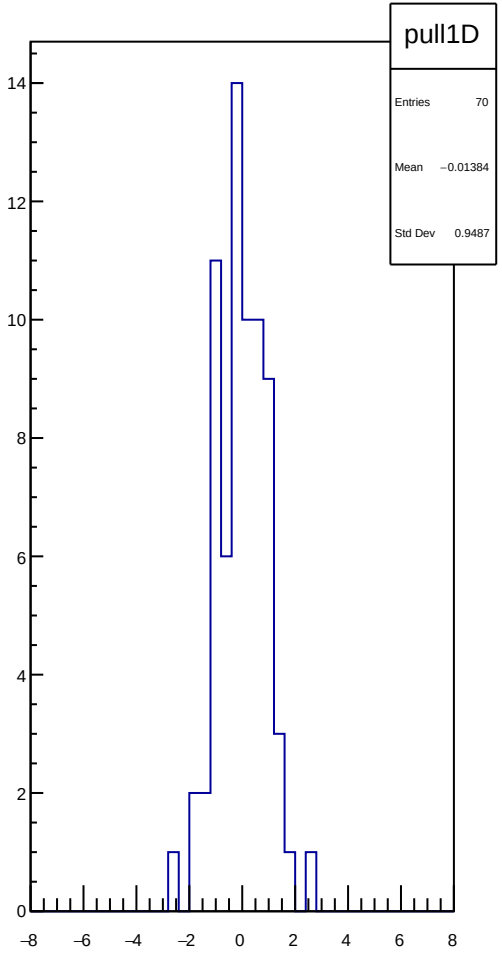

asym_usl_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 1539 ± 1.354
2800
2600
2400
2200
2000
1800
1600
1400
1200

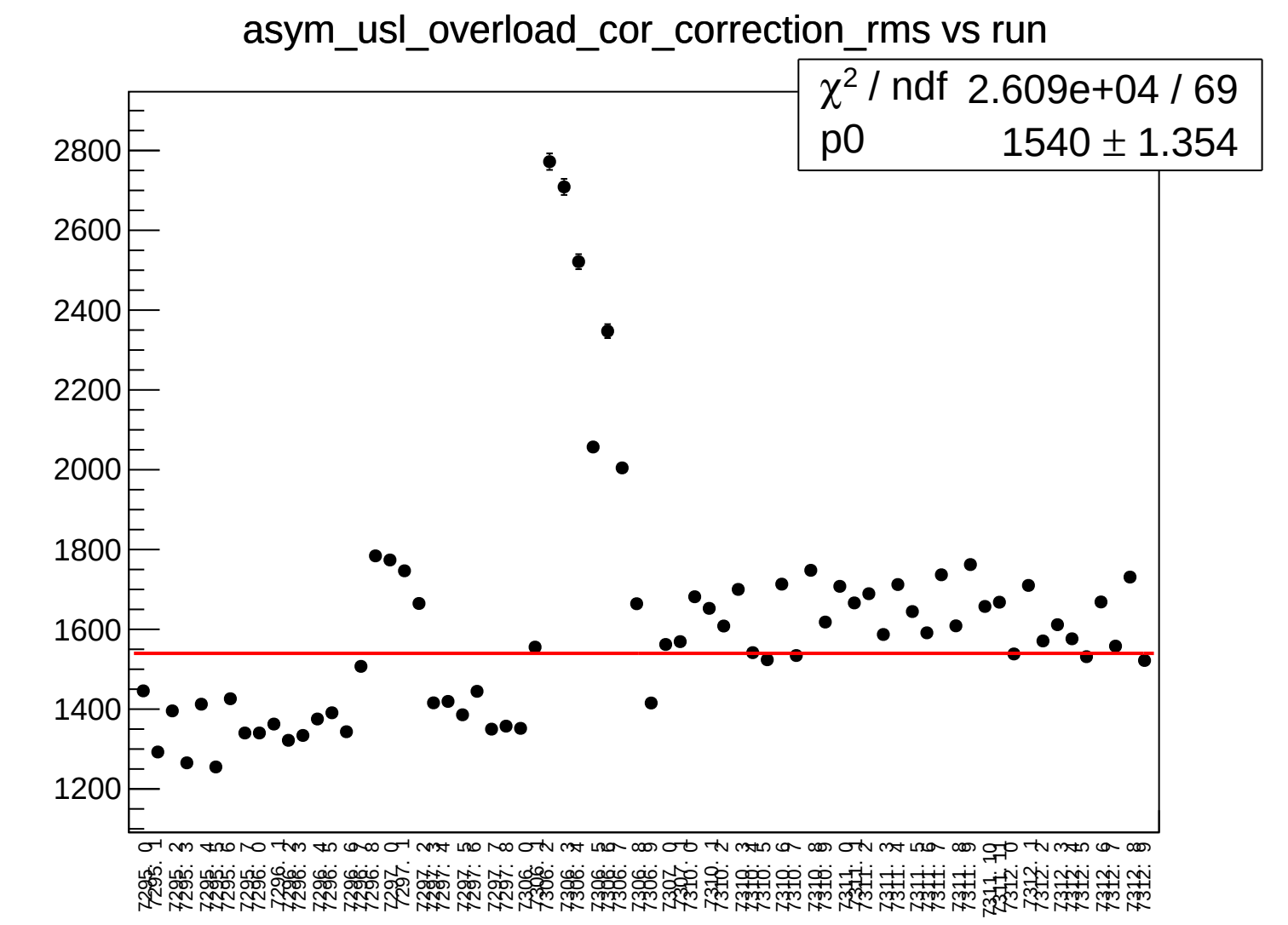

overload_cor_asym_usl_mean vs run
χ² / ndf 68.49 / 69
p0 −1083 ± 1358
pull
Entries 70
Mean 1800
Std Dev 0

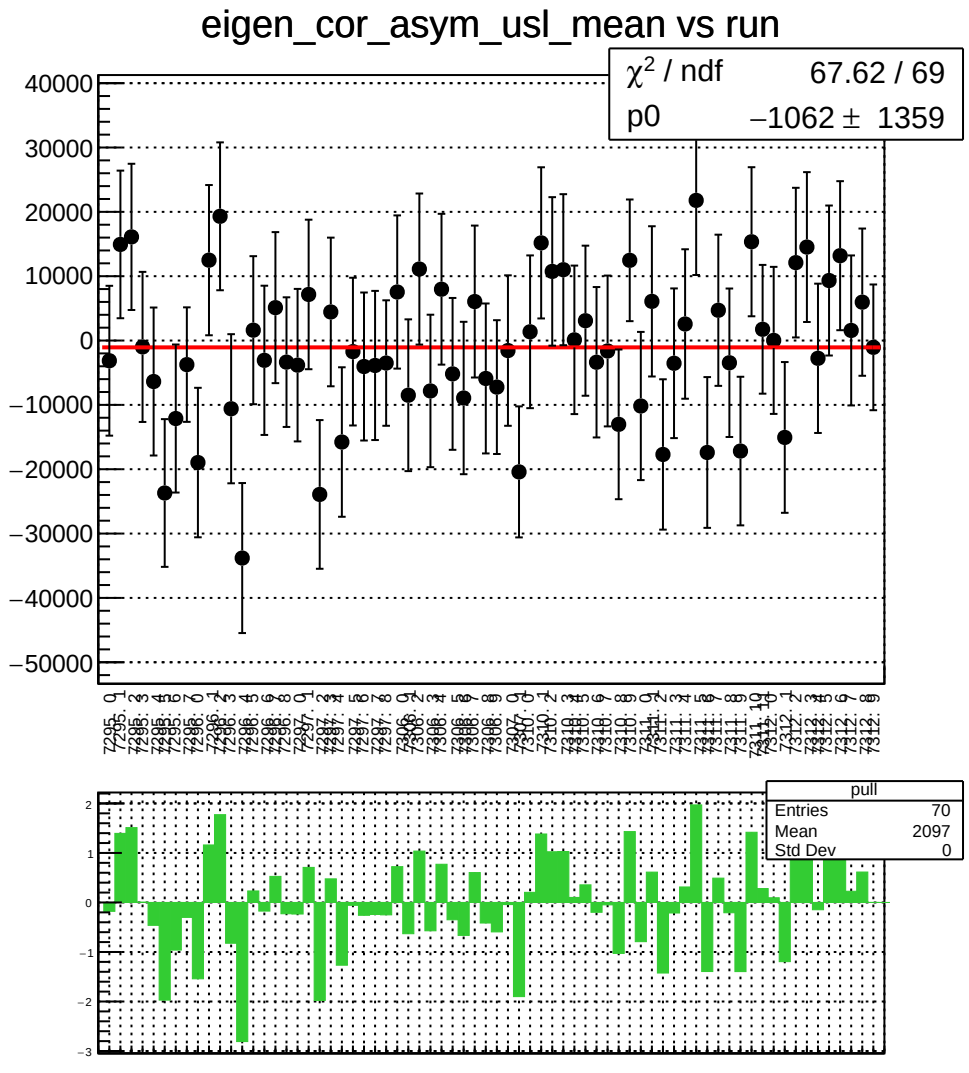

pull1D
Entries 70
Mean 0.002019
Std Dev 0.9892

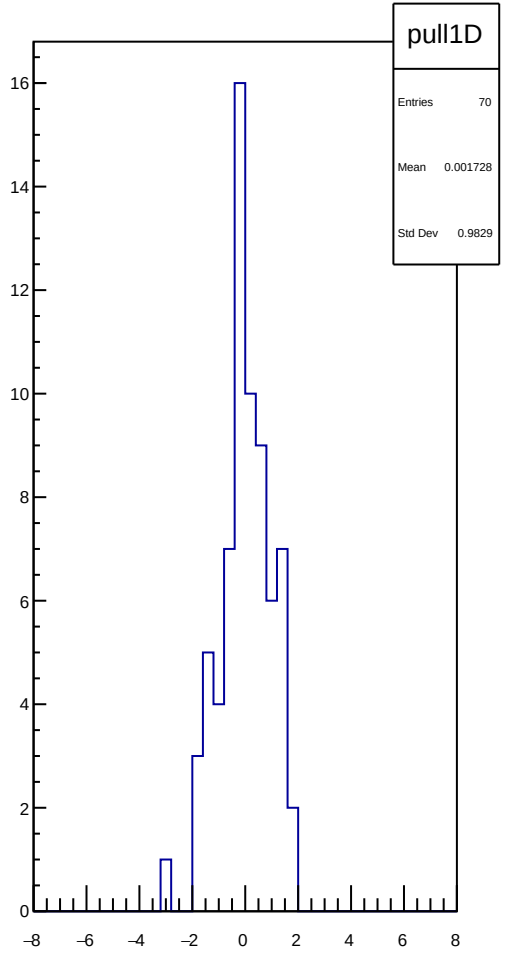

overload_cor_asym_usl_rms vs run
χ² / ndf 124 / 69
p0 1102 ± 0.96
1140
1130
1120
1110
1100
1090
1080
1070

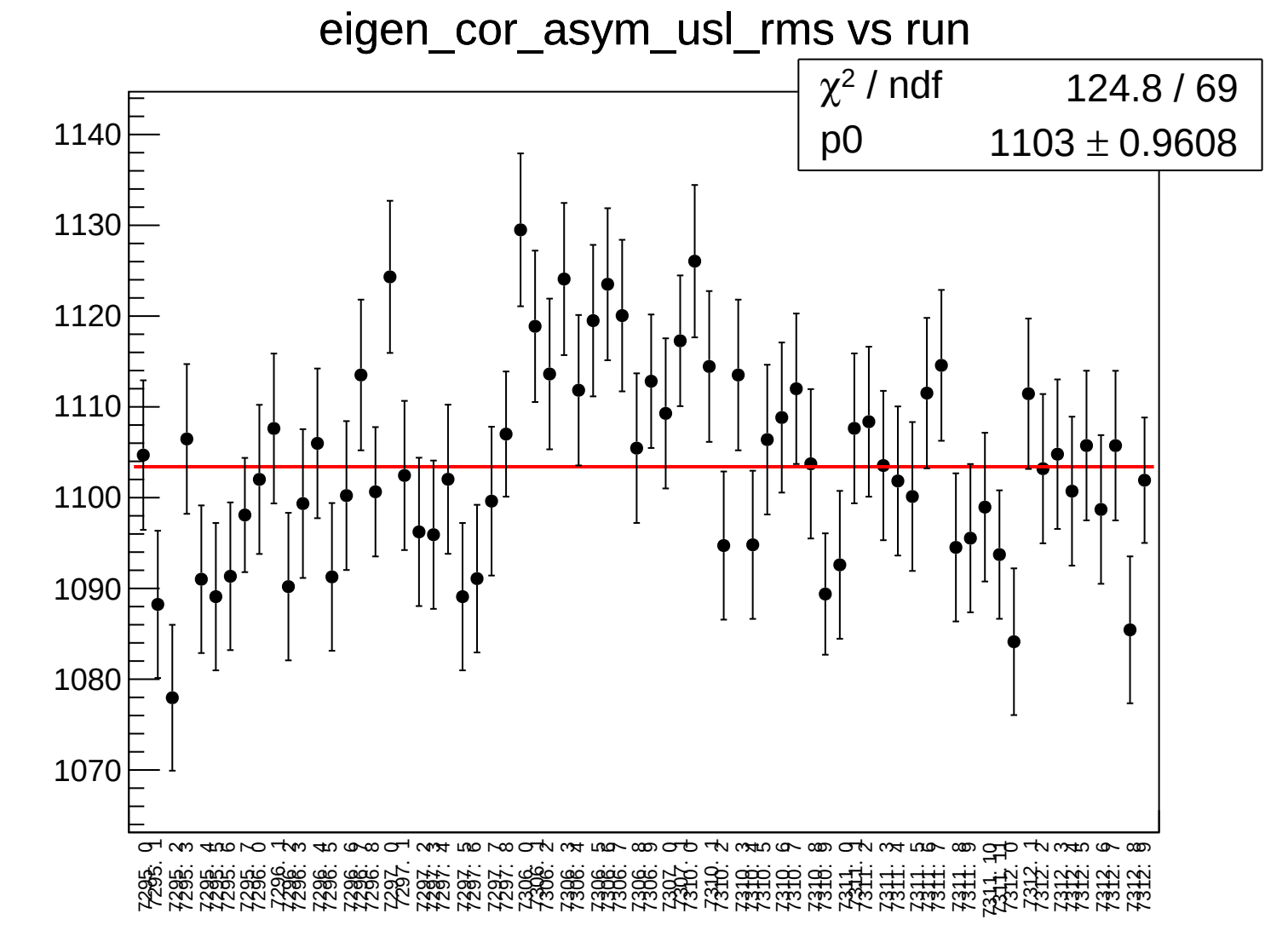

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 63.02 / 69
p0 −1222 ± 1915
pull
Entries 70
Mean 227.4
Std Dev 0

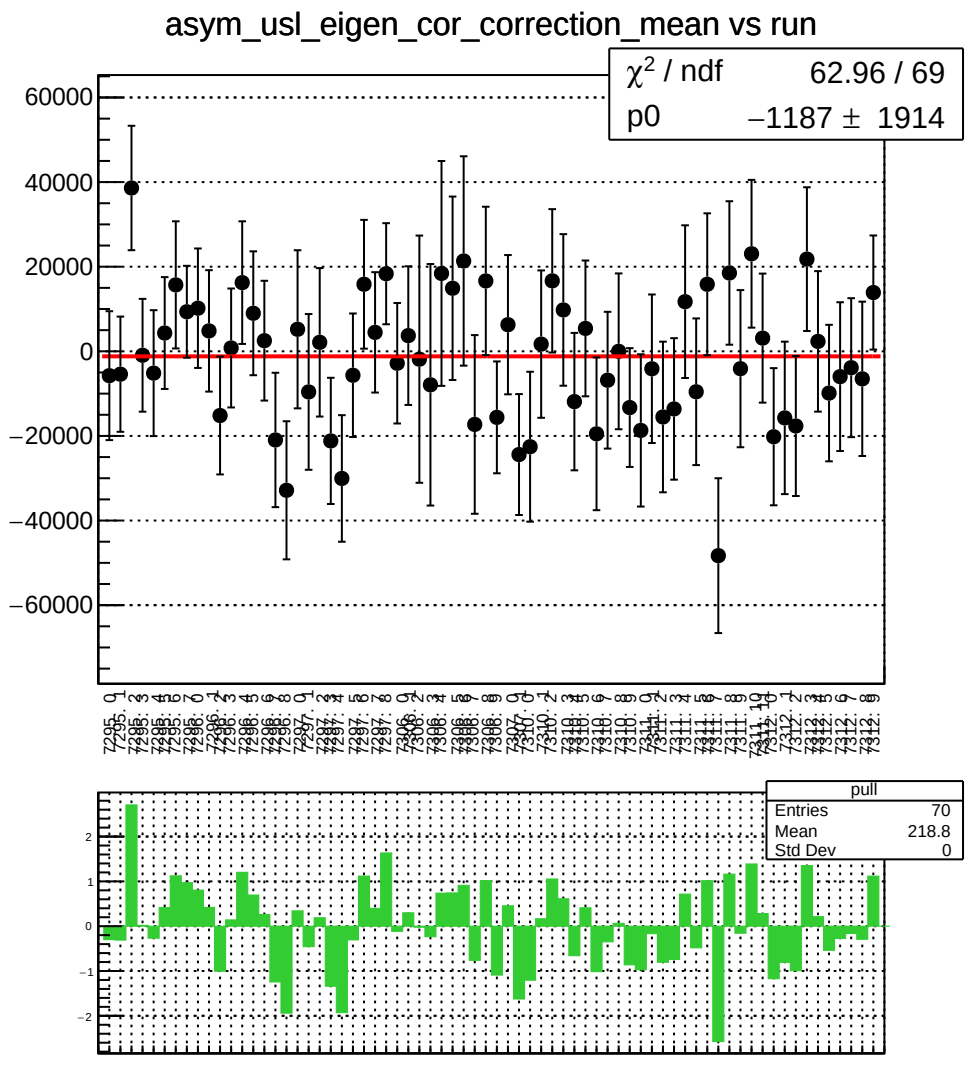

pull1D
Entries 70
Mean −0.01384
Std Dev 0.9487

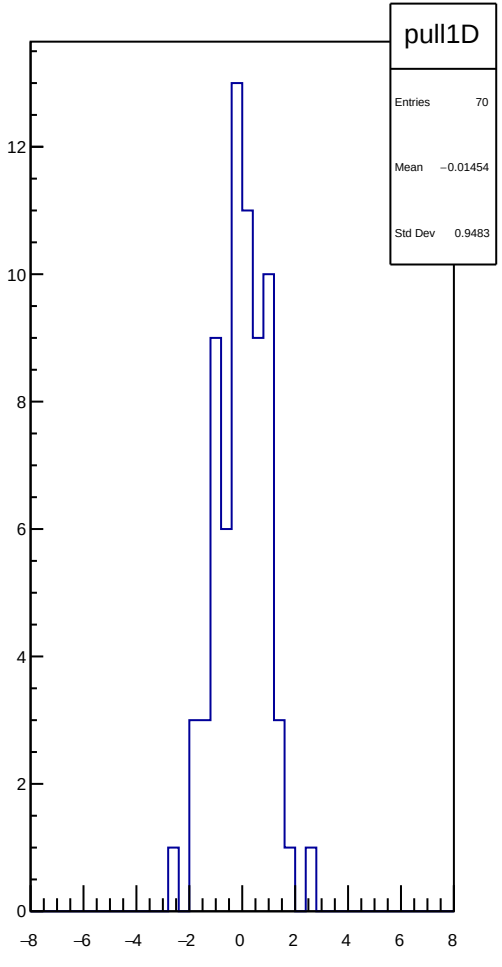

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2.609e+04 / 69
p0 1540 ± 1.354
2800
2600
2400
2200
2000
1800
1600
1400
1200

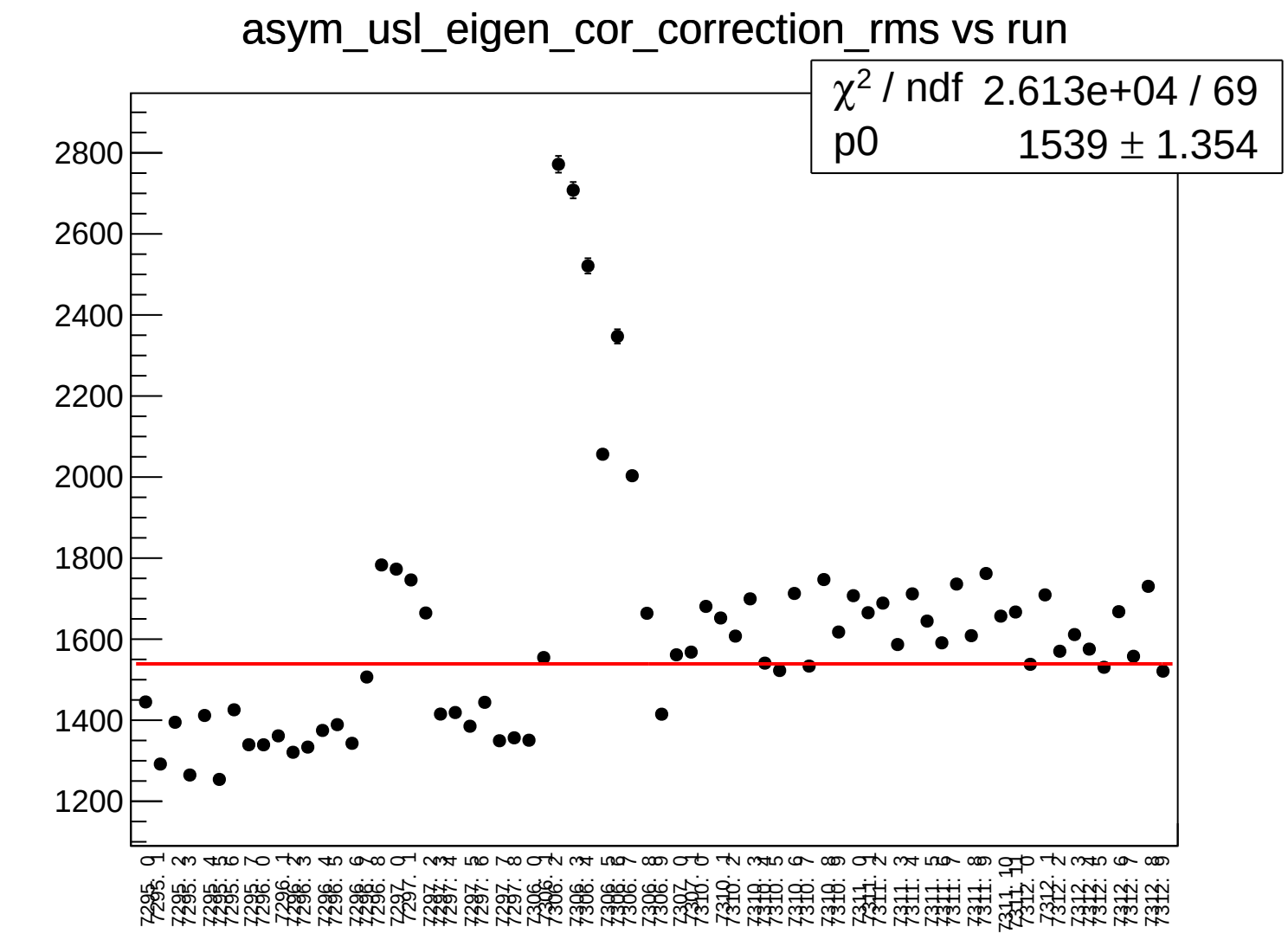

eigen_cor_asym_usl_mean vs run
χ² / ndf 67.62 / 69
p0 −1062 ± 1359
pull
Entries 70
Mean 2097
Std Dev 0

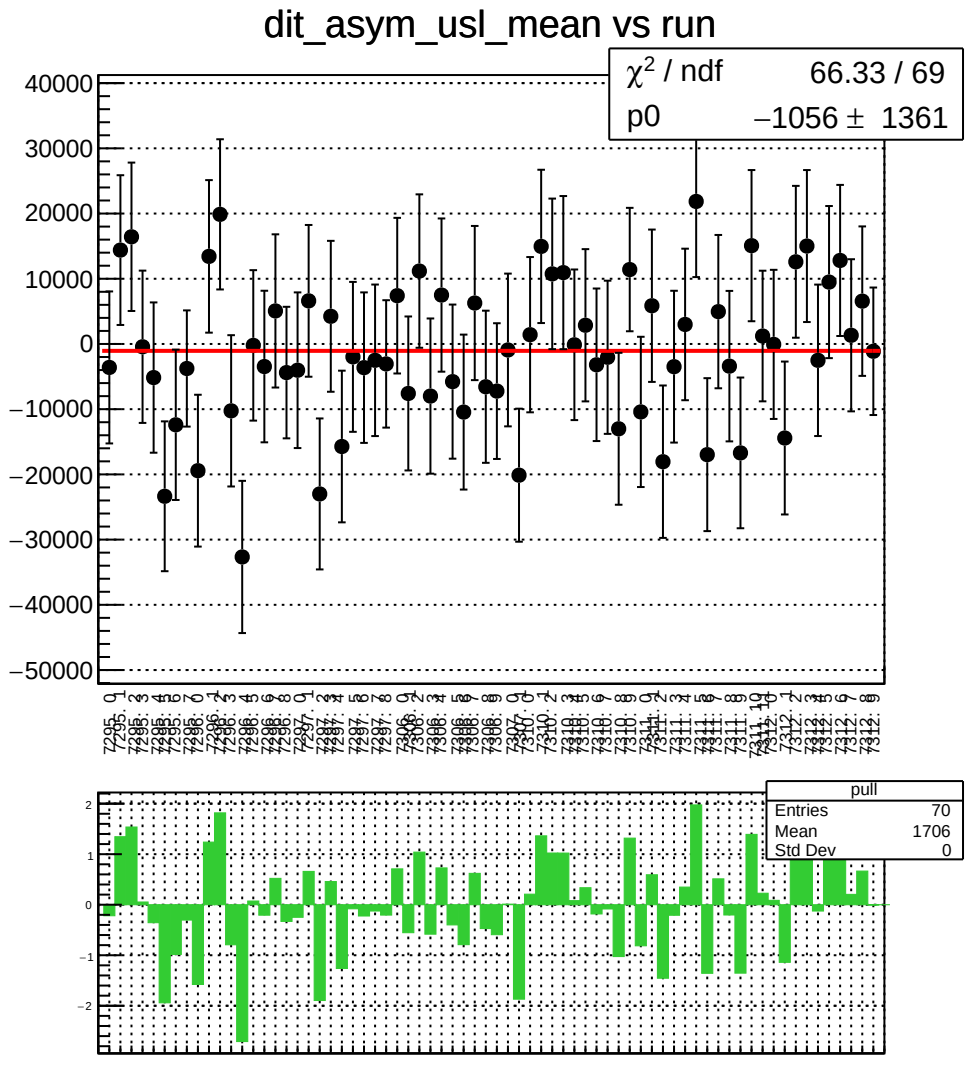

pull1D
Entries 70
Mean 0.001728
Std Dev 0.9829

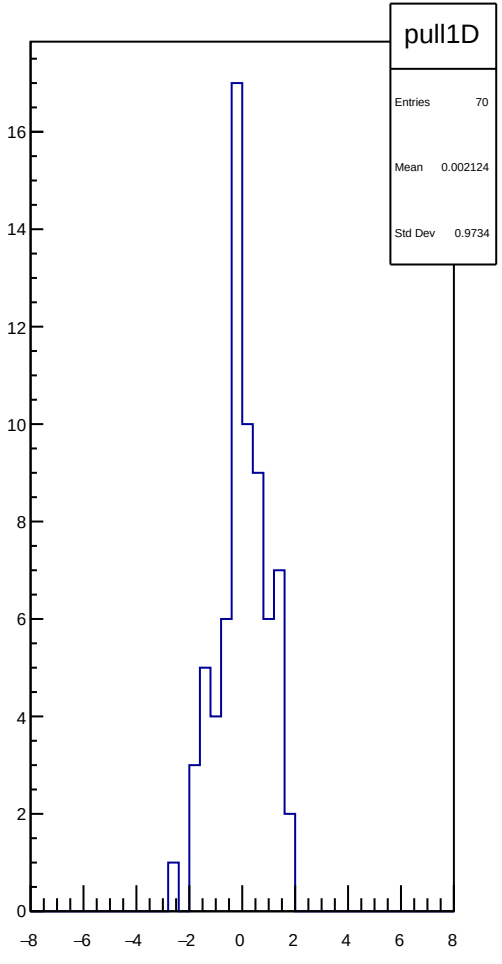

eigen_cor_asym_usl_rms vs run
χ² / ndf 124.8 / 69
p0 1103 ± 0.9608
1140
1130
1120
1110
1100
1090
1080
1070

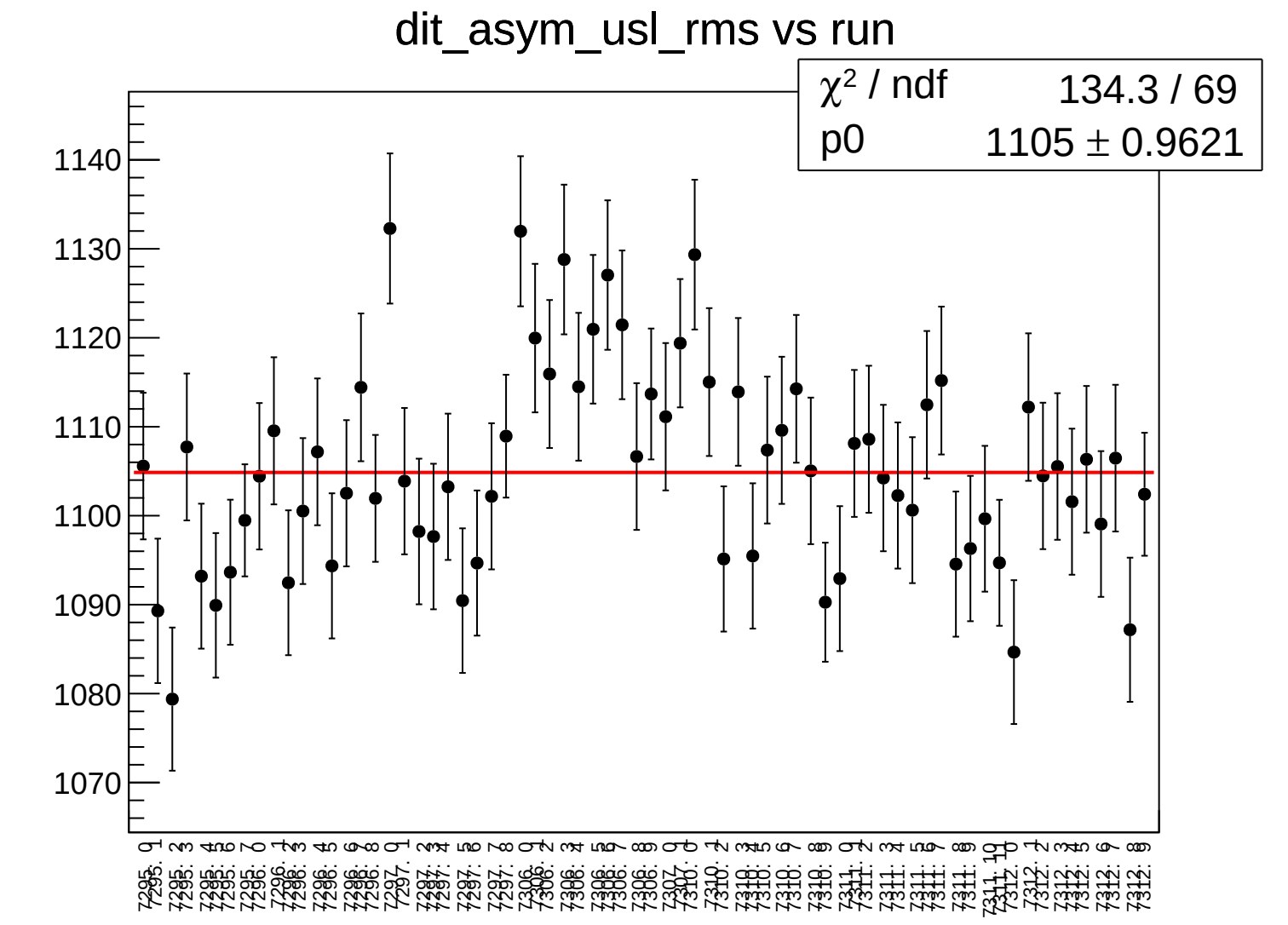

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 62.96 / 69
p0 −1187 ± 1914
pull
Entries 70
Mean 218.8
Std Dev 0

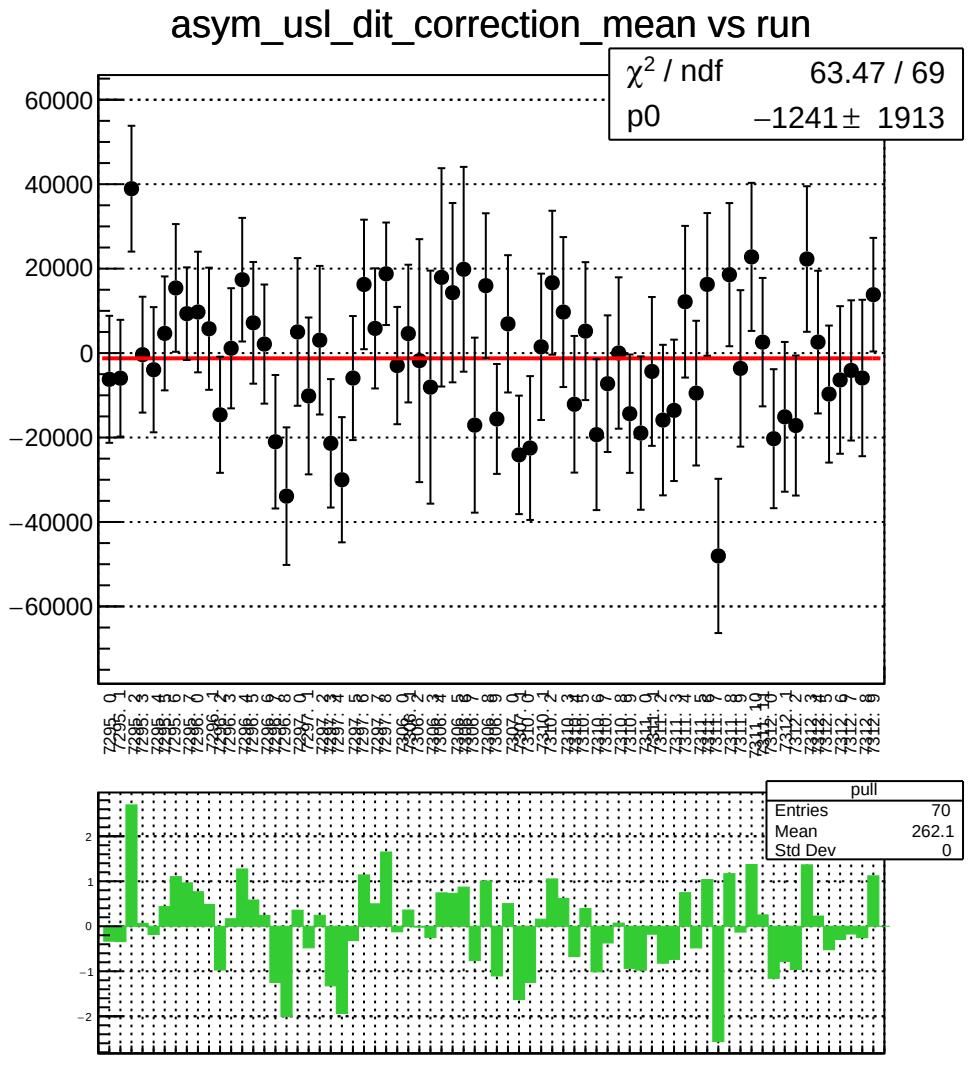

pull1D
Entries 70
Mean −0.01454
Std Dev 0.9483

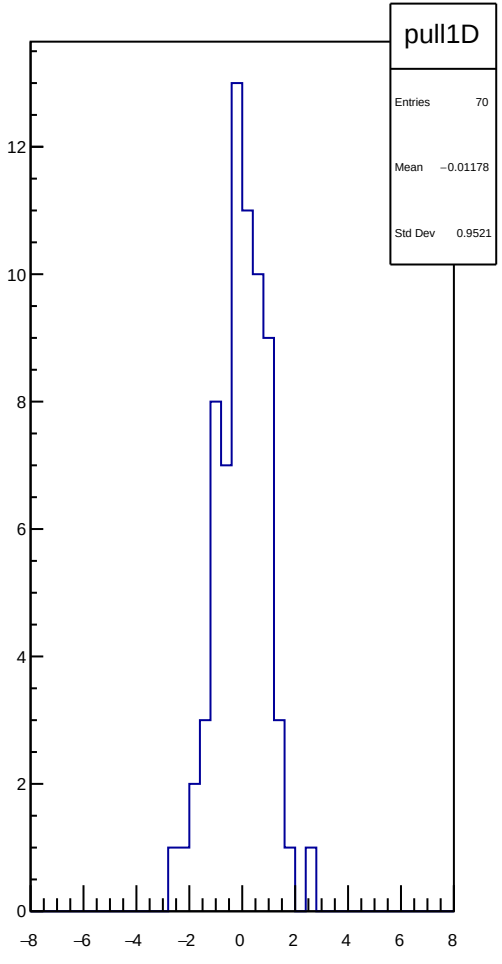

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 1539 ± 1.354
2800
2600
2400
2200
2000
1800
1600
1400
1200

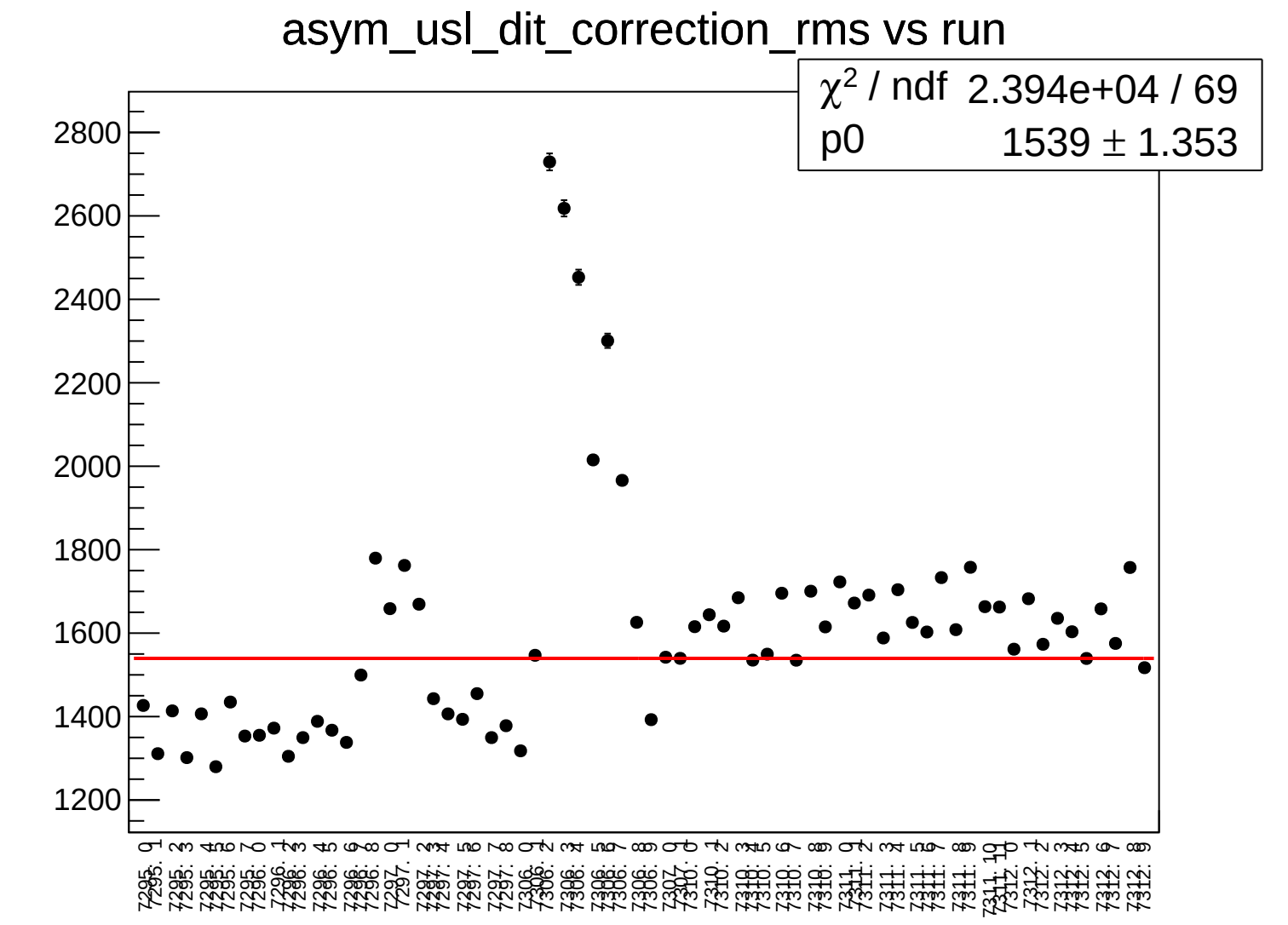

dit_asym_usl_mean vs run
χ² / ndf 66.33 / 69
p0 −1056 ± 1361
pull
Entries 70
Mean 1706
Std Dev 0

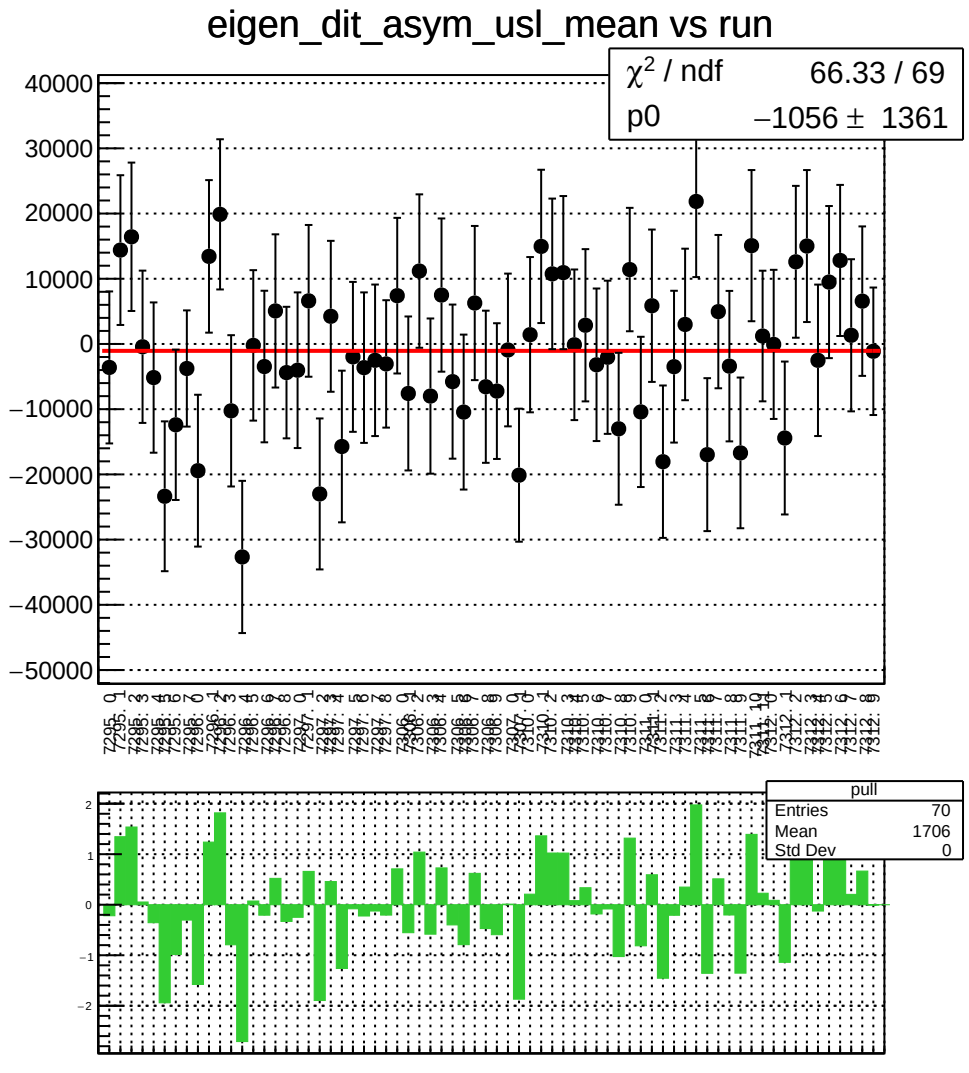

pull1D
Entries 70
Mean 0.002124
Std Dev 0.9734

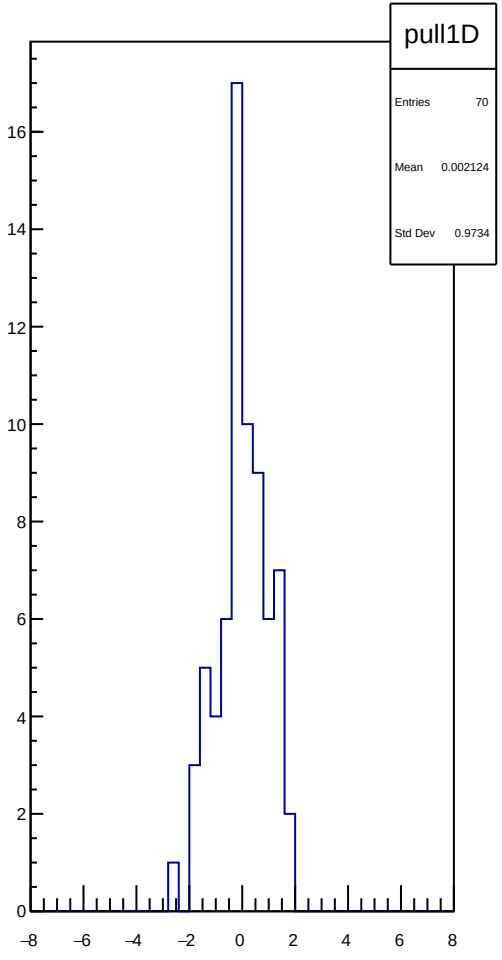

dit_asym_usl_rms vs run
χ² / ndf 134.3 / 69
p0 1105 ± 0.9621
1140
1130
1120
1110
1100
1090
1080
1070

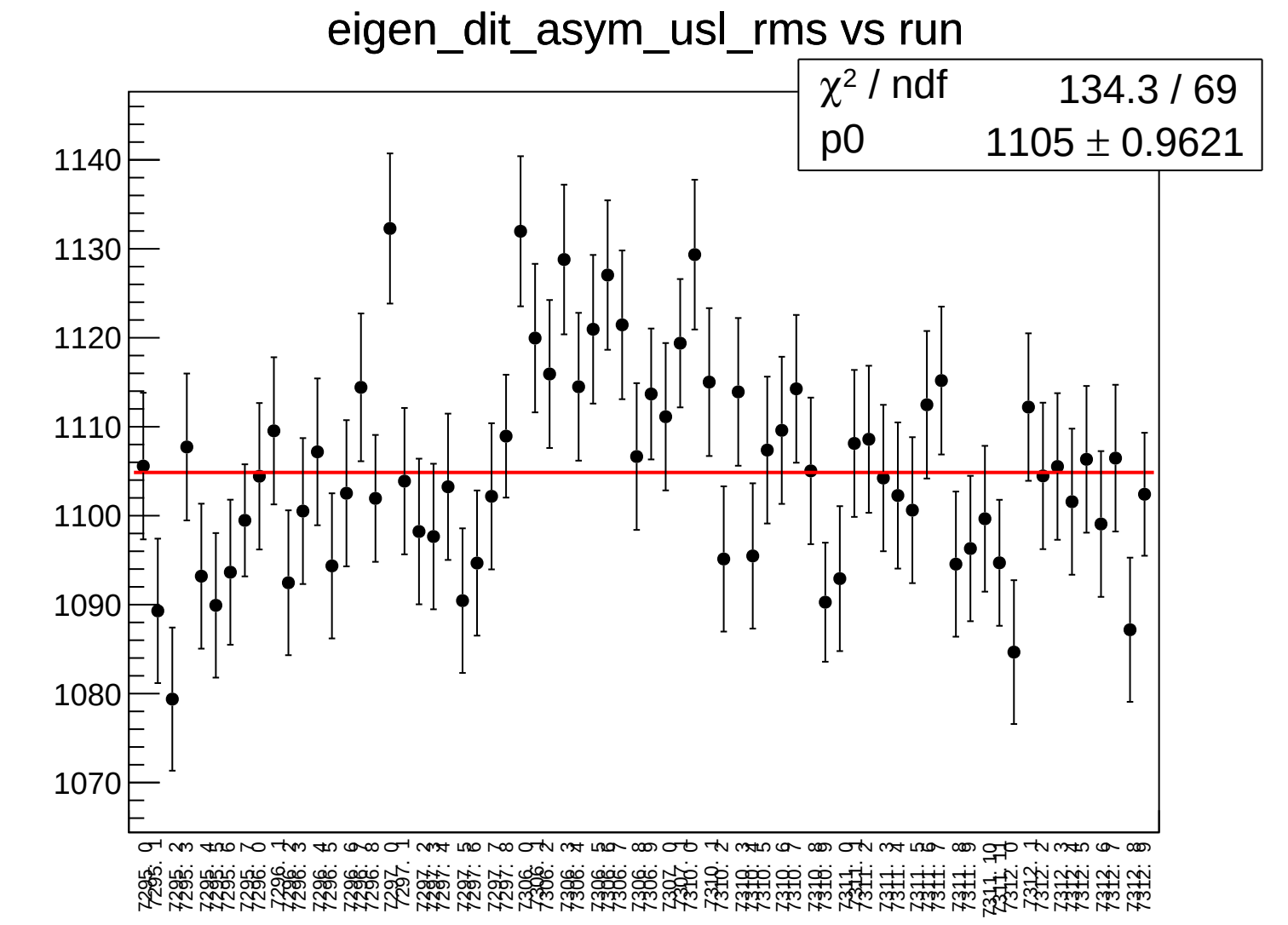

asym_usl_dit_correction_mean vs run
χ² / ndf 63.47 / 69
p0 −1241 ± 1913
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 262.1
Std Dev 0
2
1
0
−1
−2

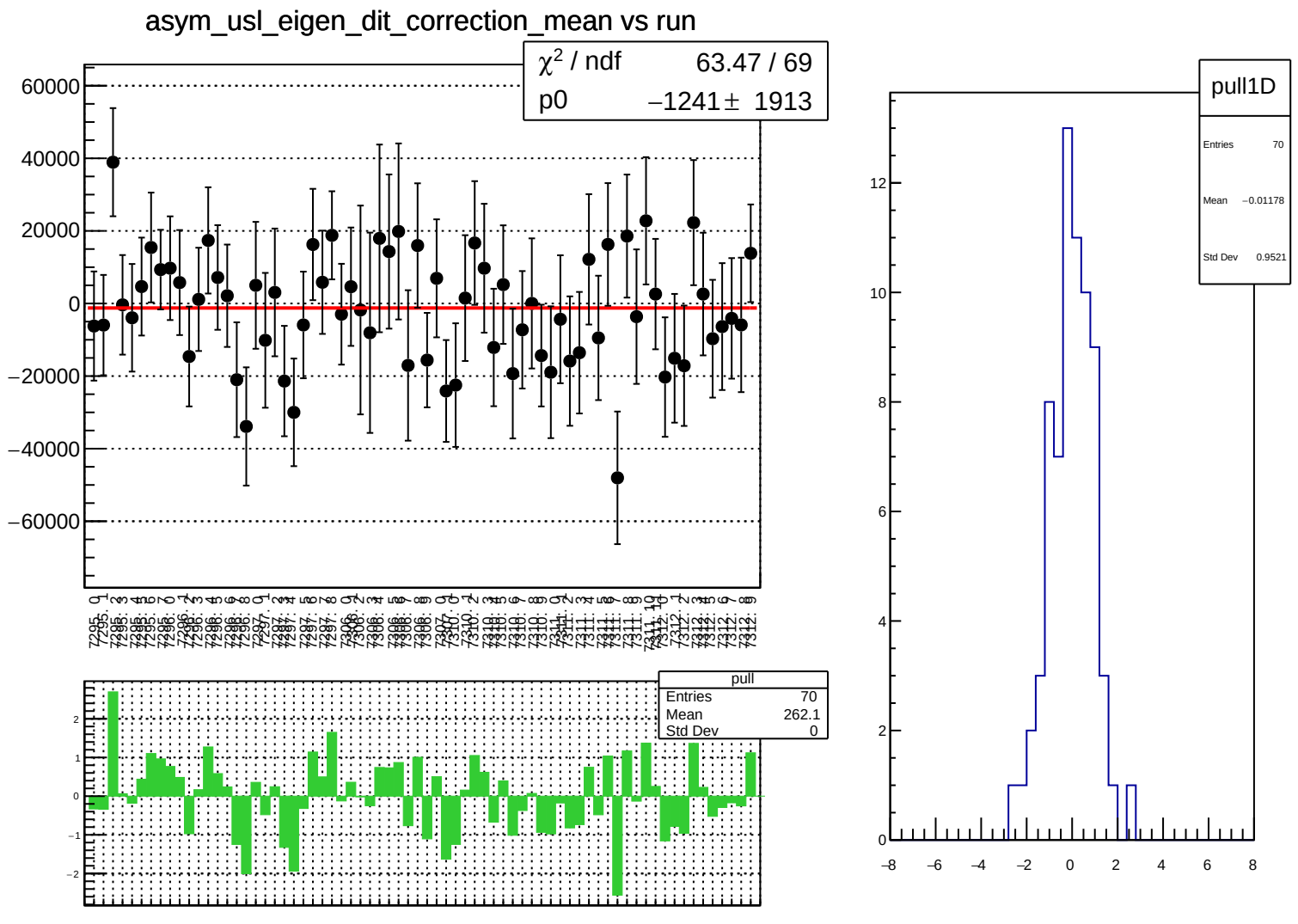

pull1D
Entries 70
Mean −0.01178
Std Dev 0.9521
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

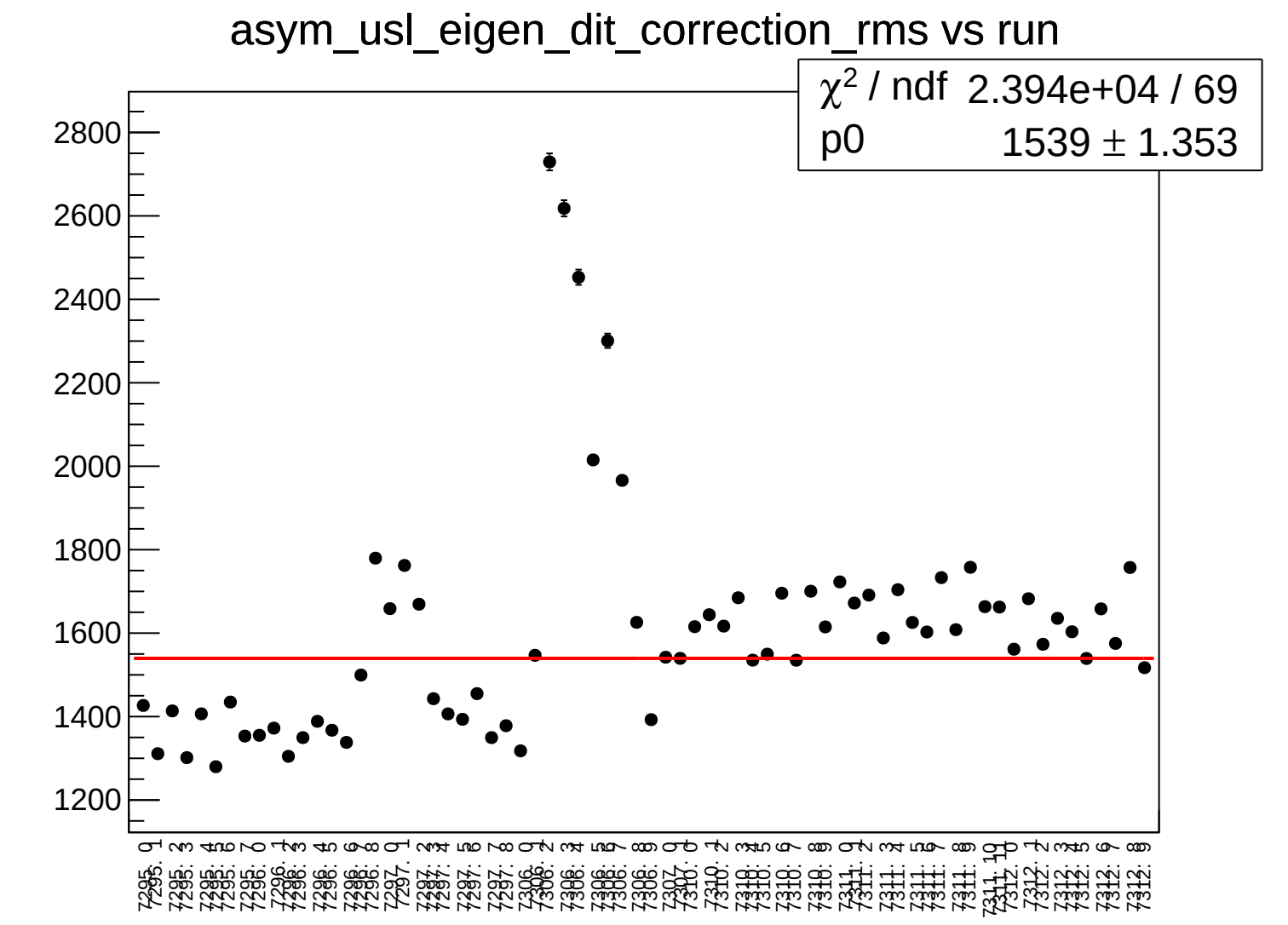

asym_usl_dit_correction_rms vs run
χ² / ndf 2.394e+04 / 69
p0 1539 ± 1.353
2800
2600
2400
2200
2000
1800
1600
1400
1200

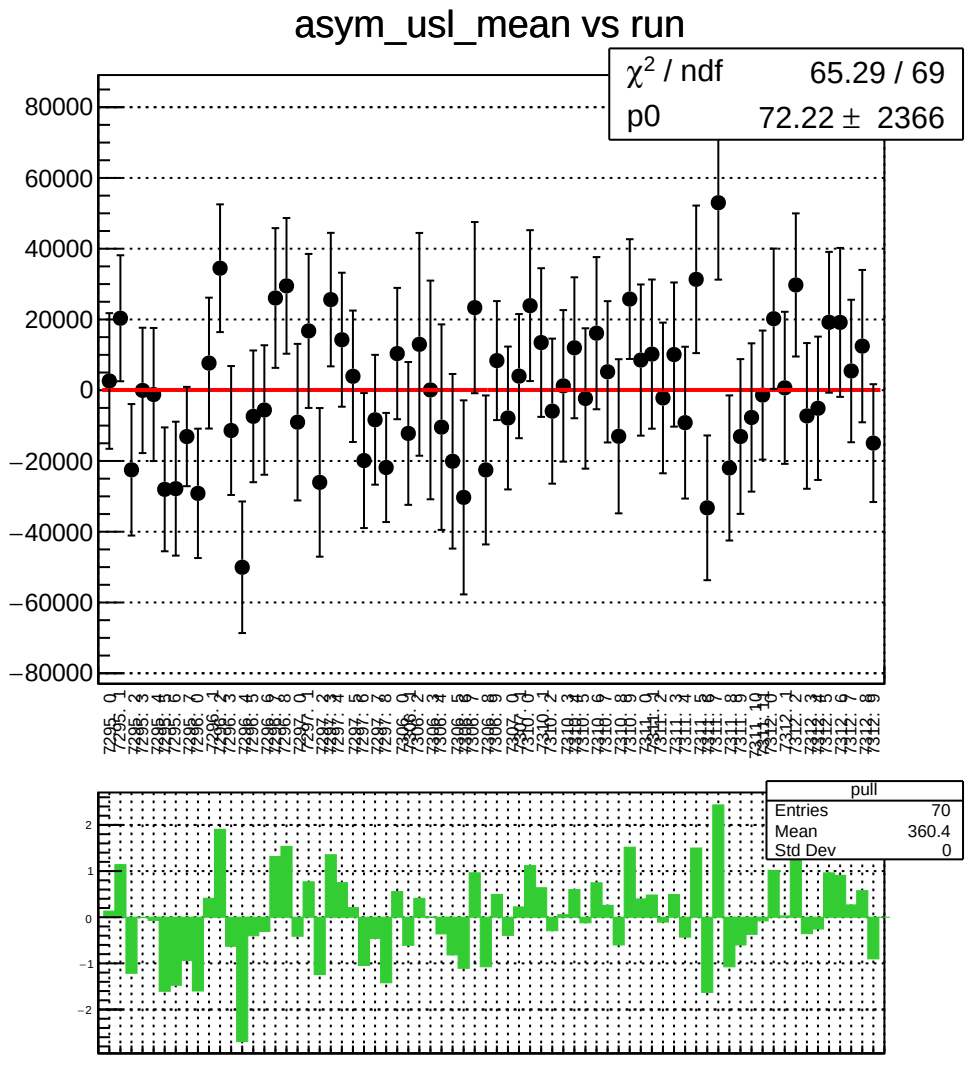

eigen_dit_asym_usl_mean vs run
χ² / ndf 66.33 / 69
p0 −1056 ± 1361
pull
Entries 70
Mean 1706
Std Dev 0

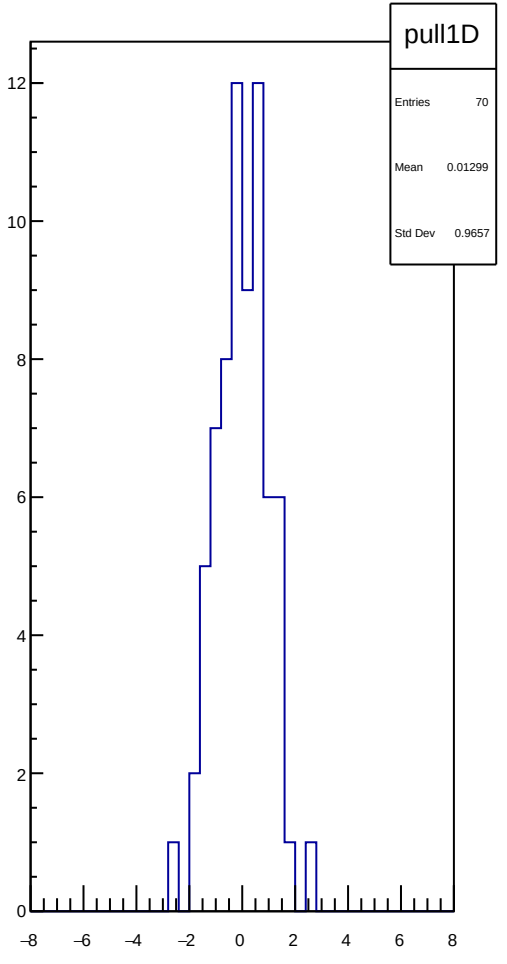

pull1D
Entries 70
Mean 0.002124
Std Dev 0.9734

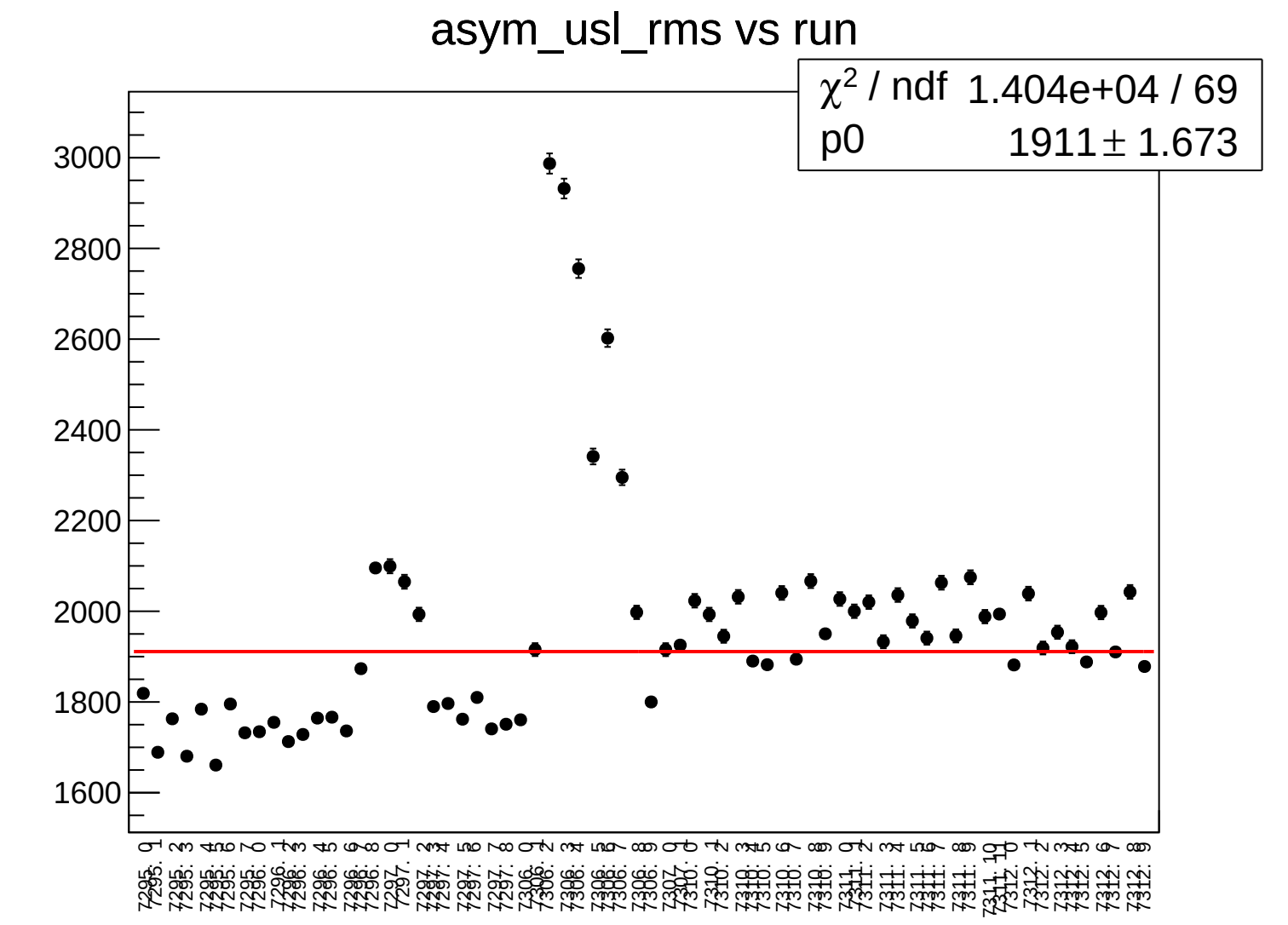

eigen_dit_asym_usl_rms vs run
χ² / ndf 134.3 / 69
p0 1105 ± 0.9621
1140
1130
1120
1110
1100
1090
1080
1070

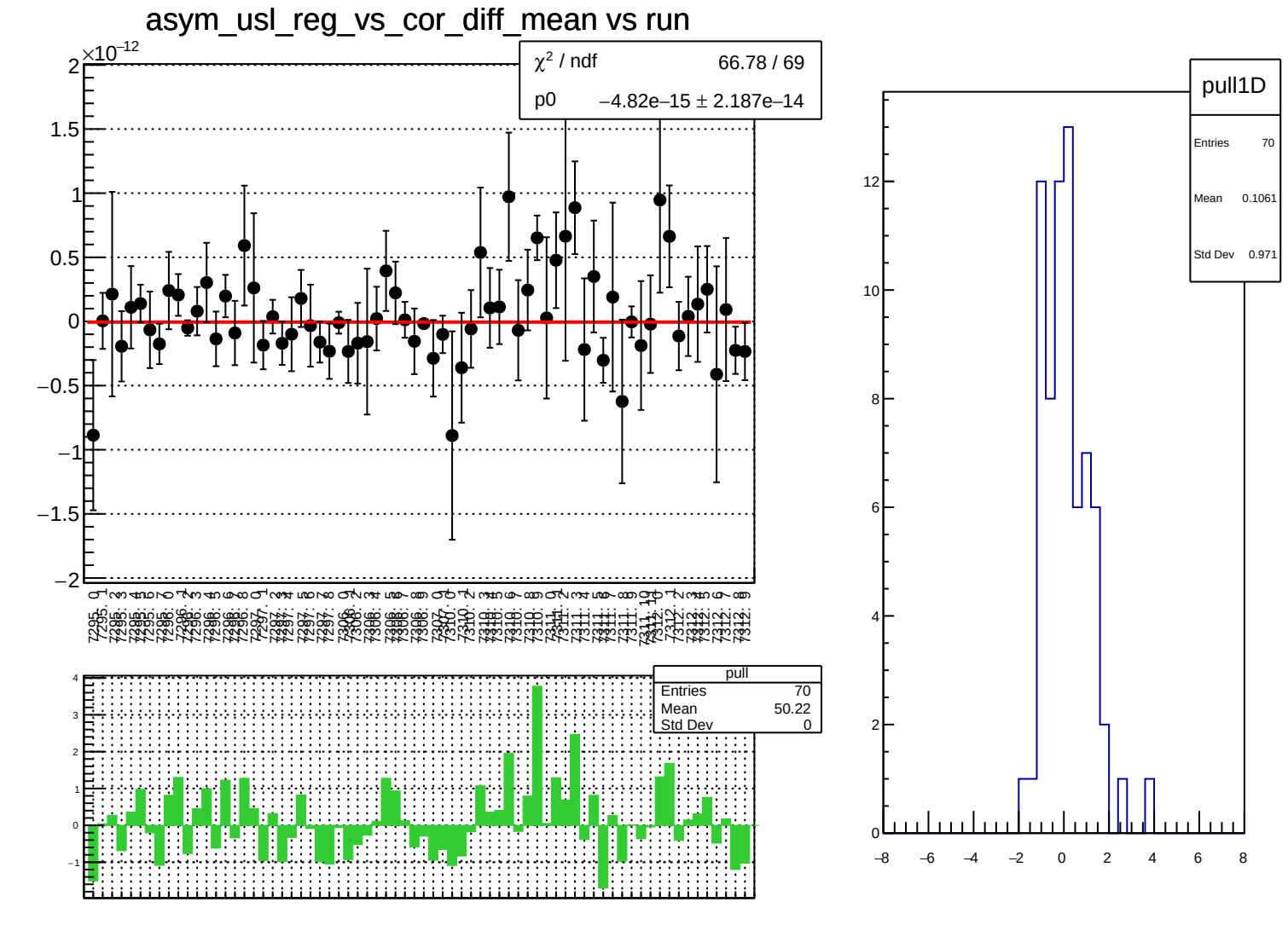

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 63.47 / 69
p0 −1241 ± 1913
pull
Entries 70
Mean 262.1
Std Dev 0
pull1D
Entries 70
Mean −0.01178
Std Dev 0.9521

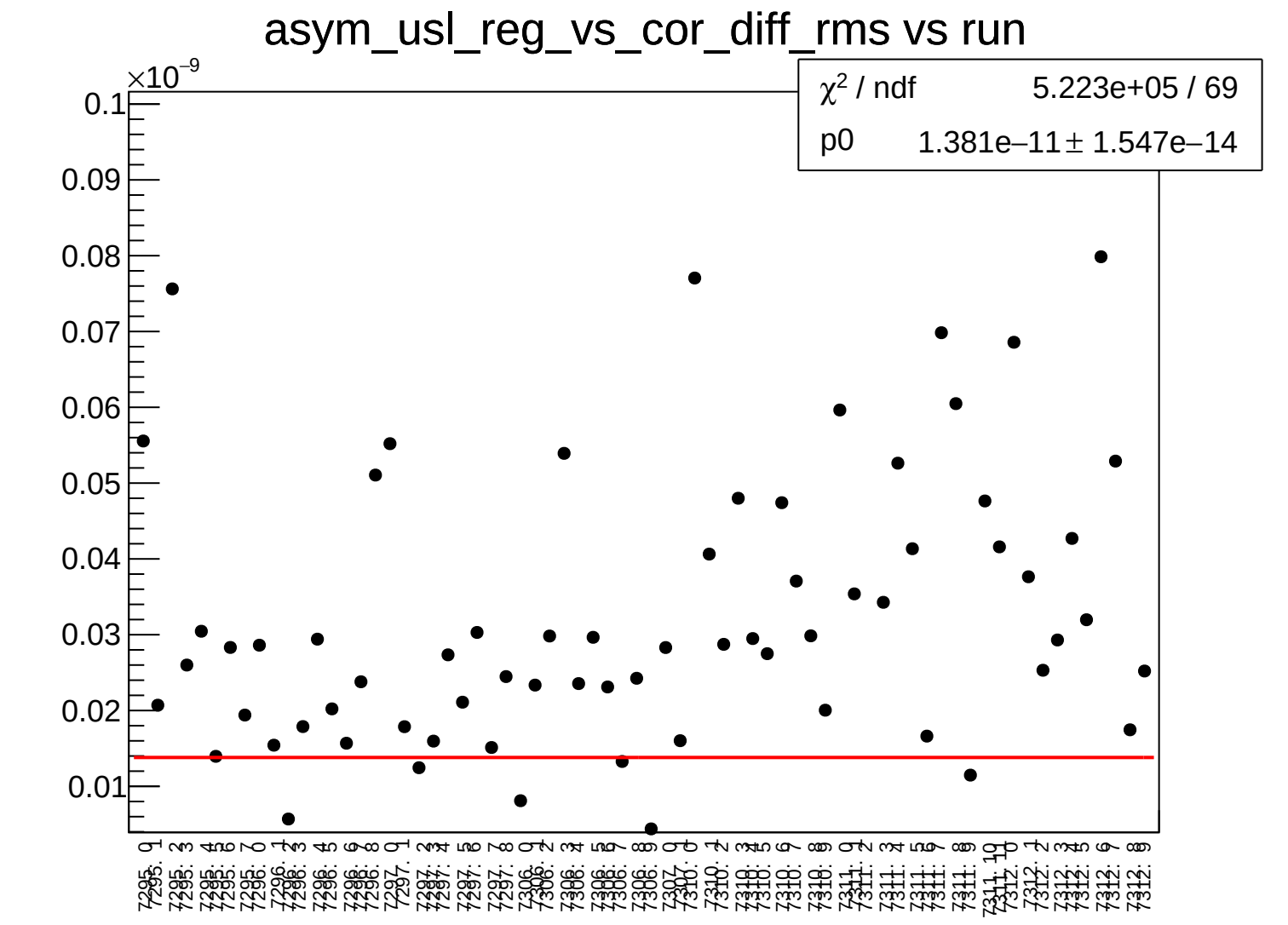

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2.394e+04 / 69
p0 1539 ± 1.353
2800
2600
2400
2200
2000
1800
1600
1400
1200

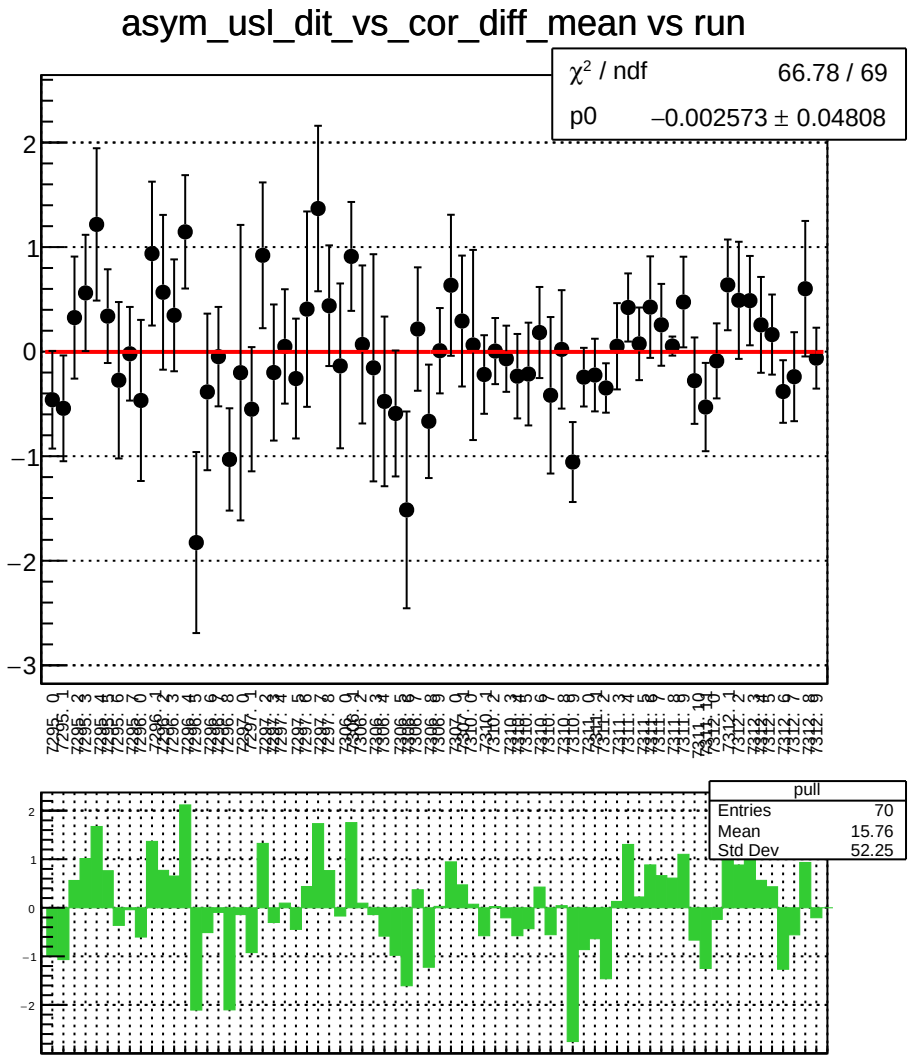

asym_usl_mean vs run
χ² / ndf 65.29 / 69
p0 72.22 ± 2366
pull
Entries 70
Mean 360.4
Std Dev 0

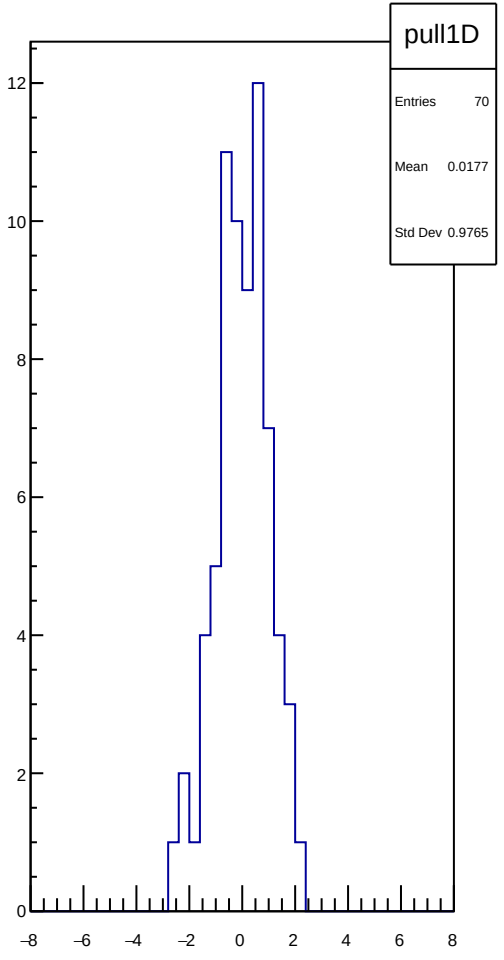

pull1D
Entries 70
Mean 0.01299
Std Dev 0.9657

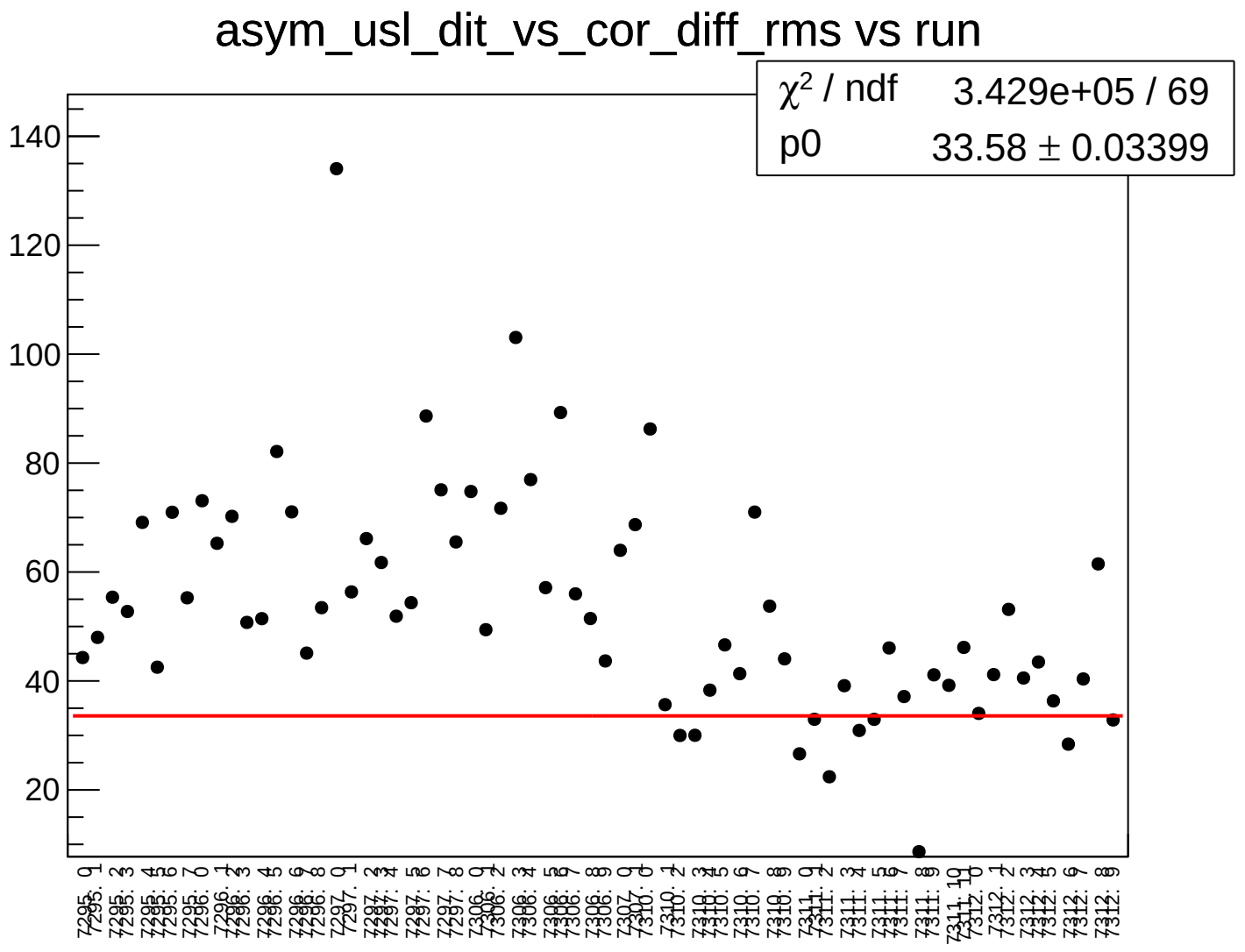

asym_usl_rms vs run
χ^2 / ndf 1.404e+04 / 69
p0 1911 ± 1.673
3000
2800
2600
2400
2200
2000
1800
1600

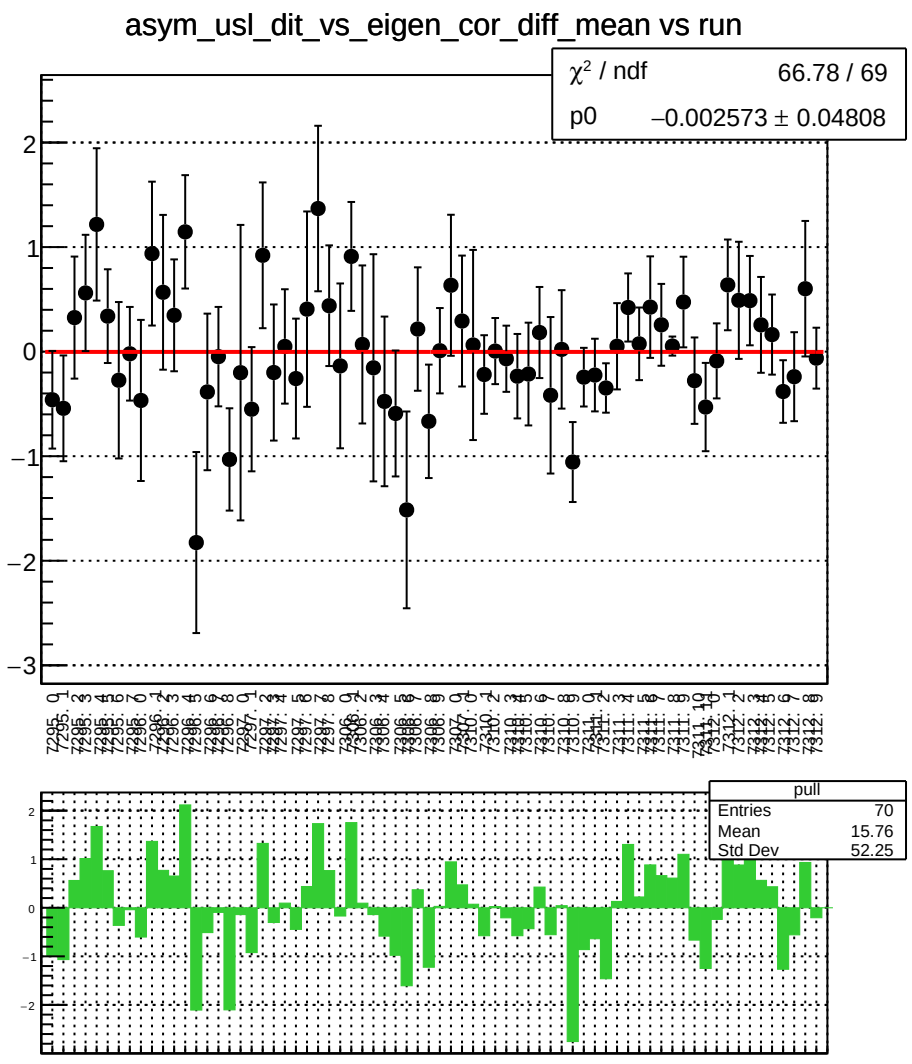

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.78 / 69
p0 −4.82e−15 ± 2.187e−14
pull
Entries 70
Mean 50.22
Std Dev 0
pull1D
Entries 70
Mean 0.1061
Std Dev 0.971

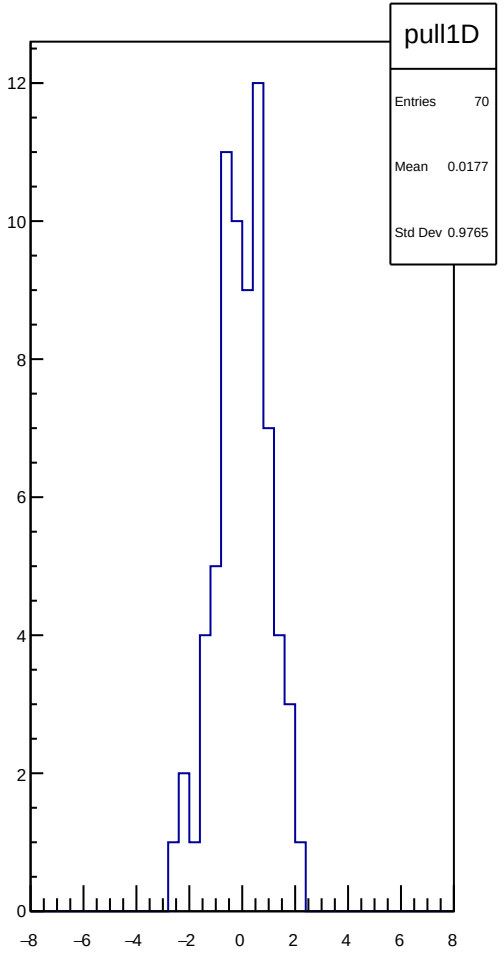

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.223e+05 / 69
p0 1.381e−11 ± 1.547e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

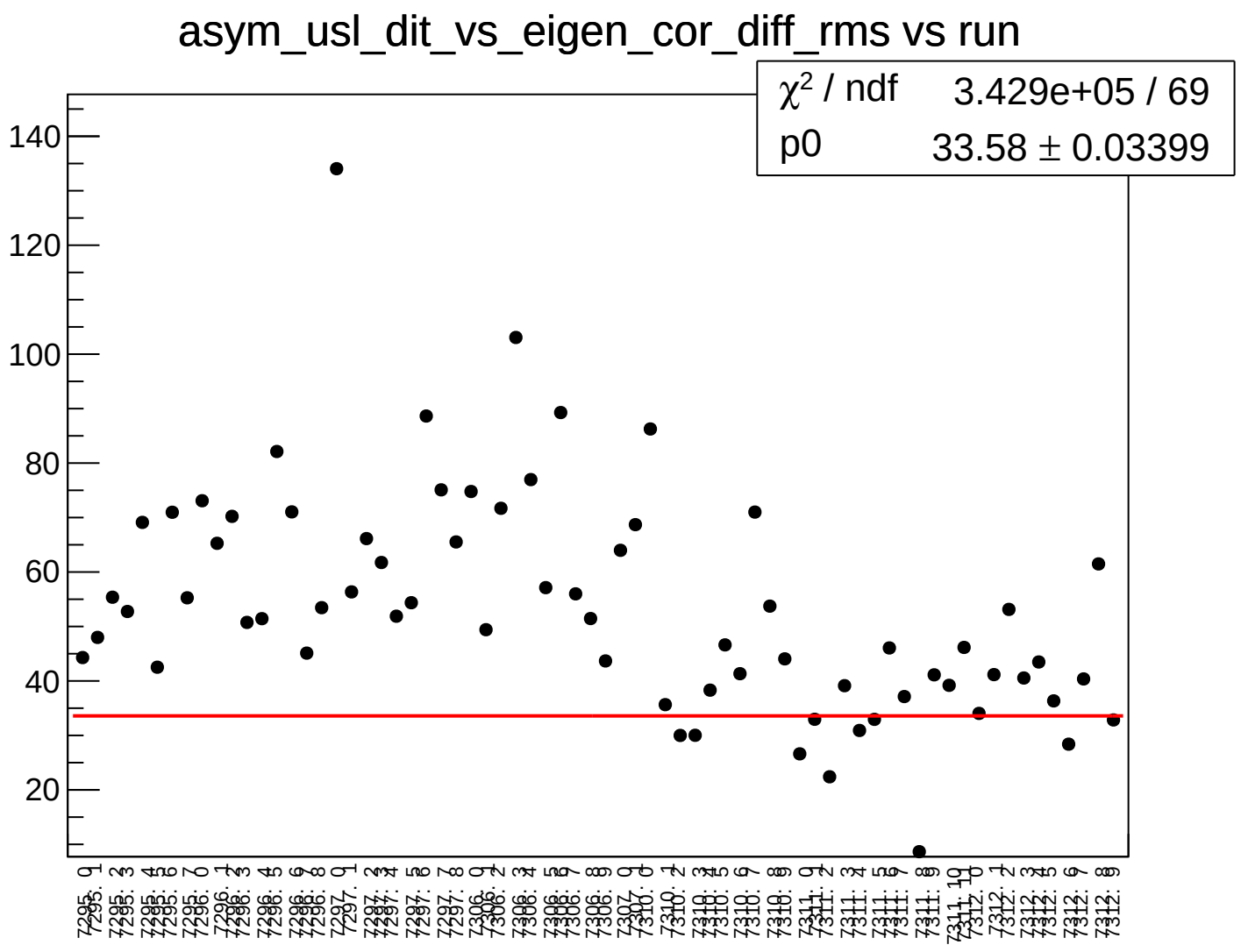

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 66.78 / 69
p0 −0.002573 ± 0.04808
pull
Entries 70
Mean 15.76
Std Dev 52.25

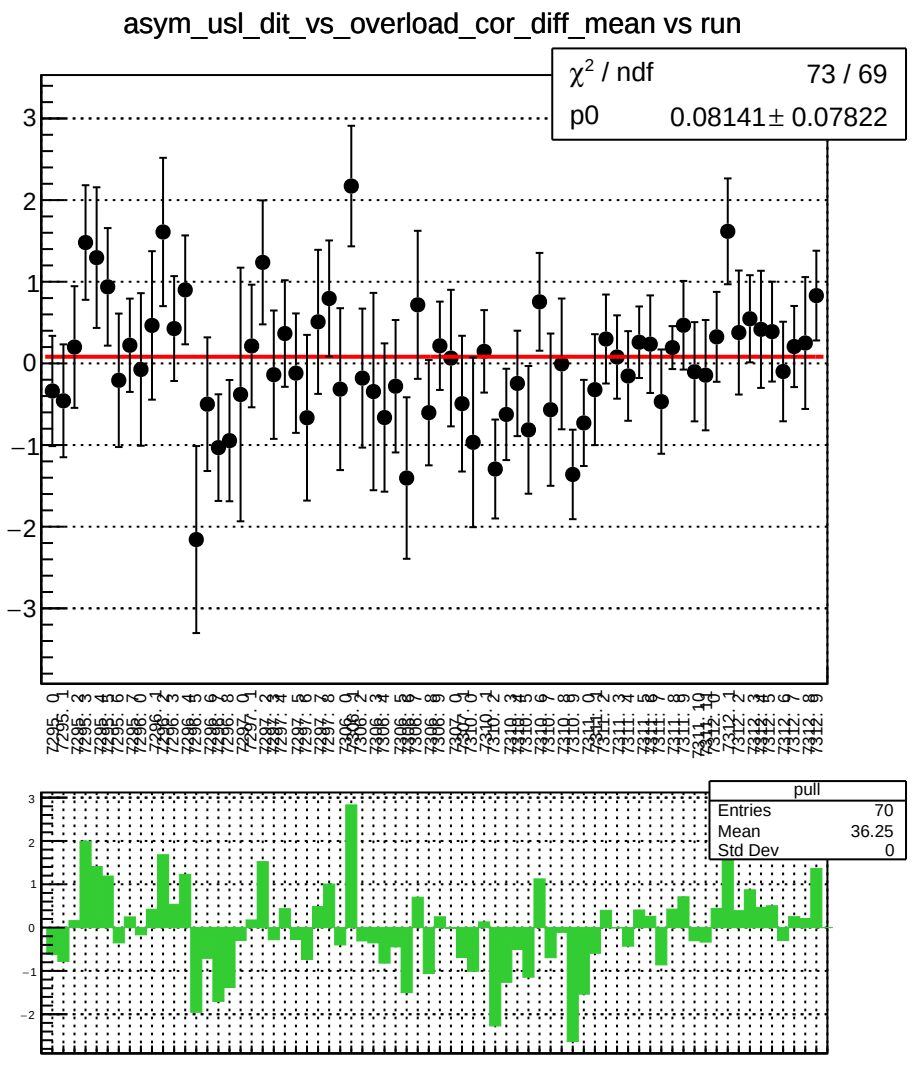

pull1D
Entries 70
Mean 0.0177
Std Dev 0.9765

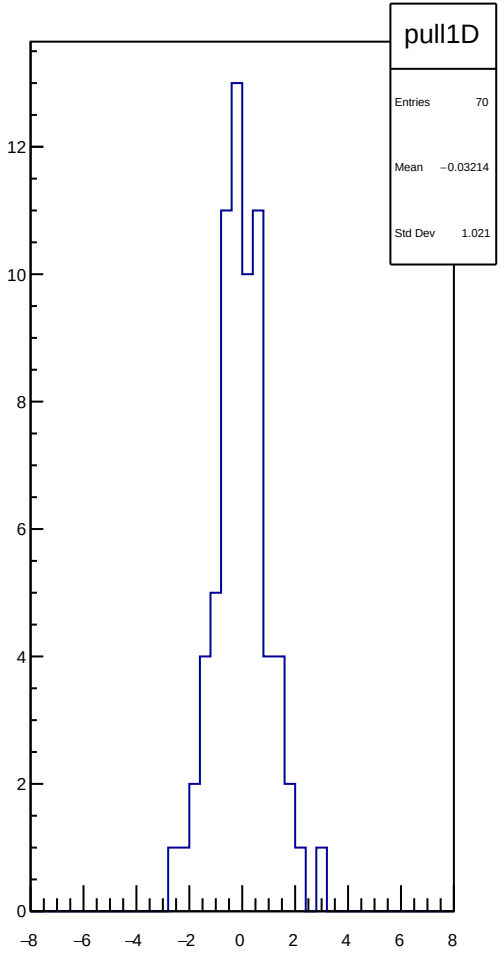

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 3.429e+05 / 69
p0 33.58 ± 0.03399
140
120
100
80
60
40
20

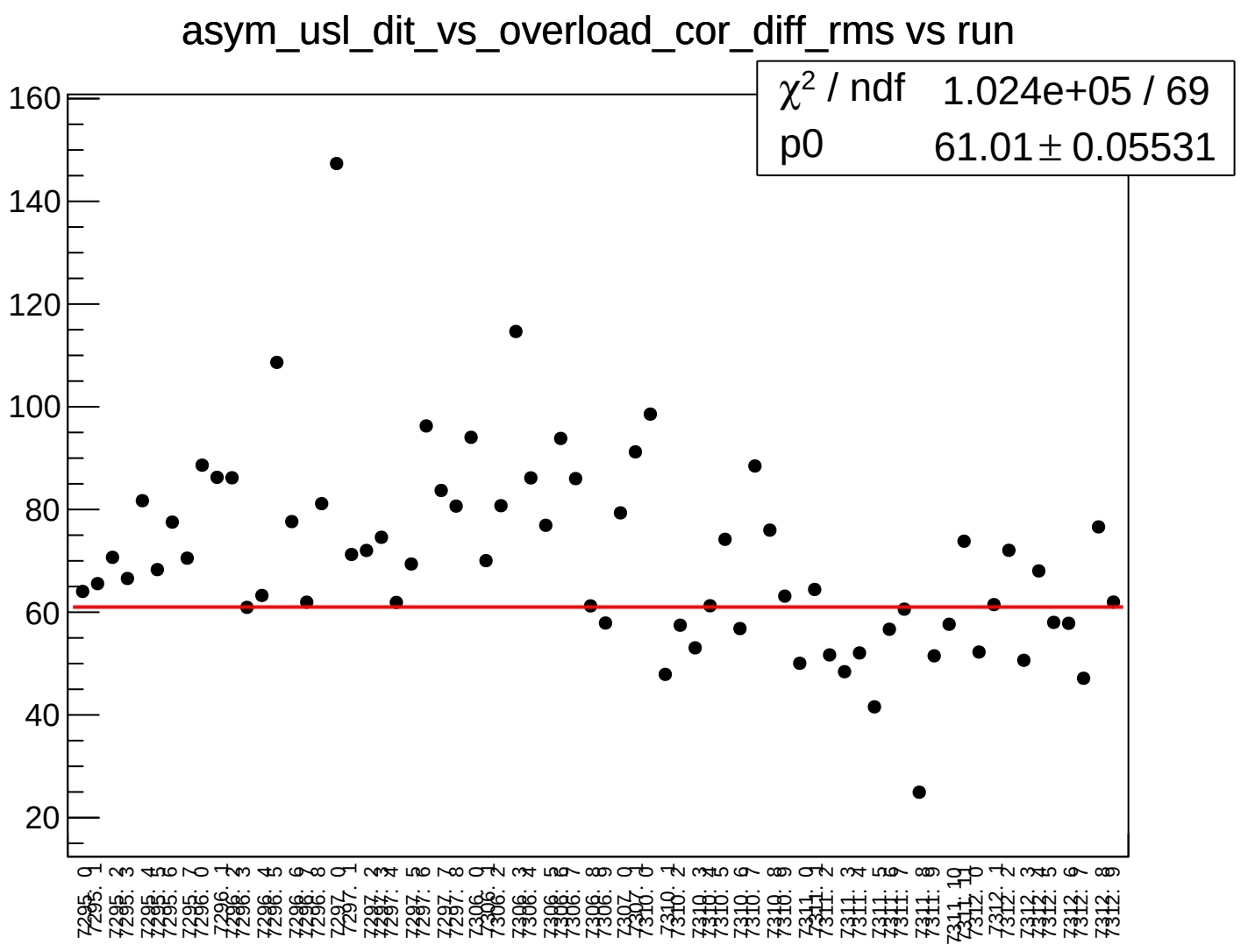

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.78 / 69
p0 −0.002573 ± 0.04808
pull
Entries 70
Mean 15.76
Std Dev 52.25

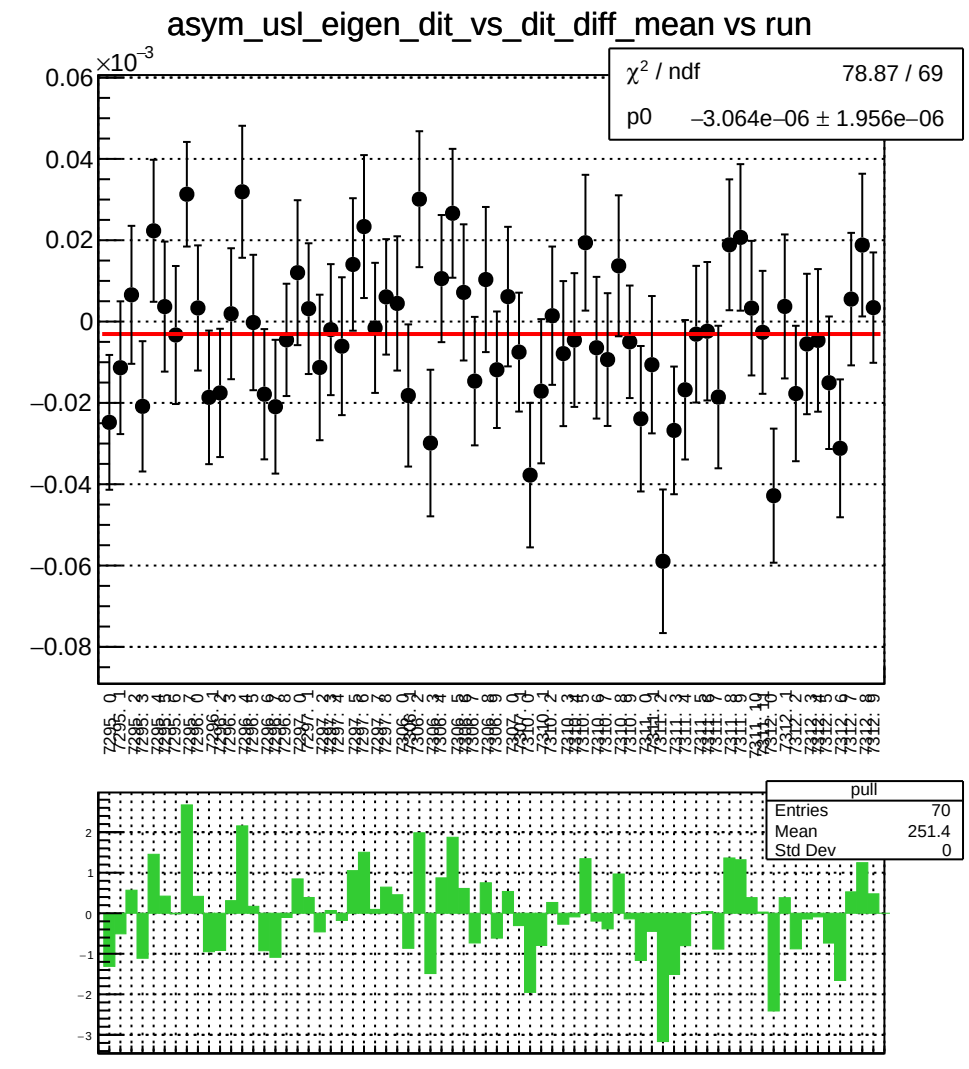

pull1D
Entries 70
Mean 0.0177
Std Dev 0.9765

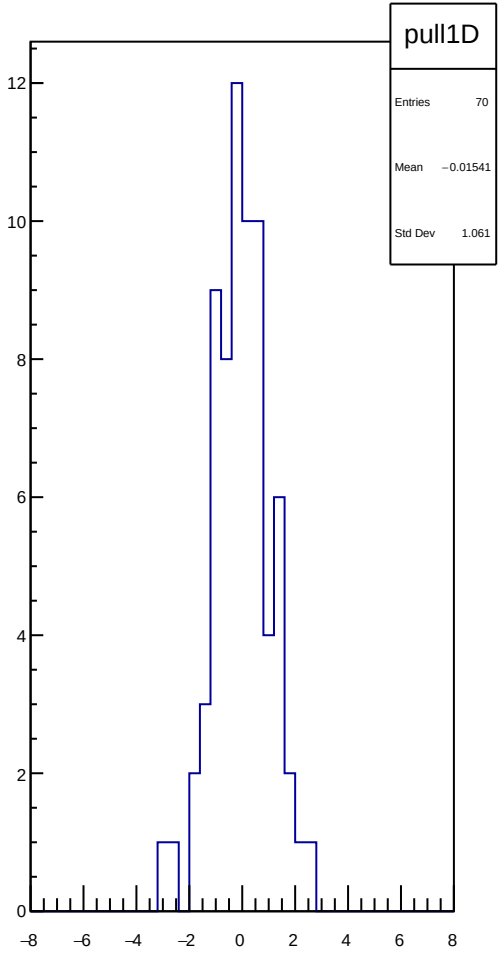

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.429e+05 / 69
p0 33.58 ± 0.03399
140
120
100
80
60
40
20

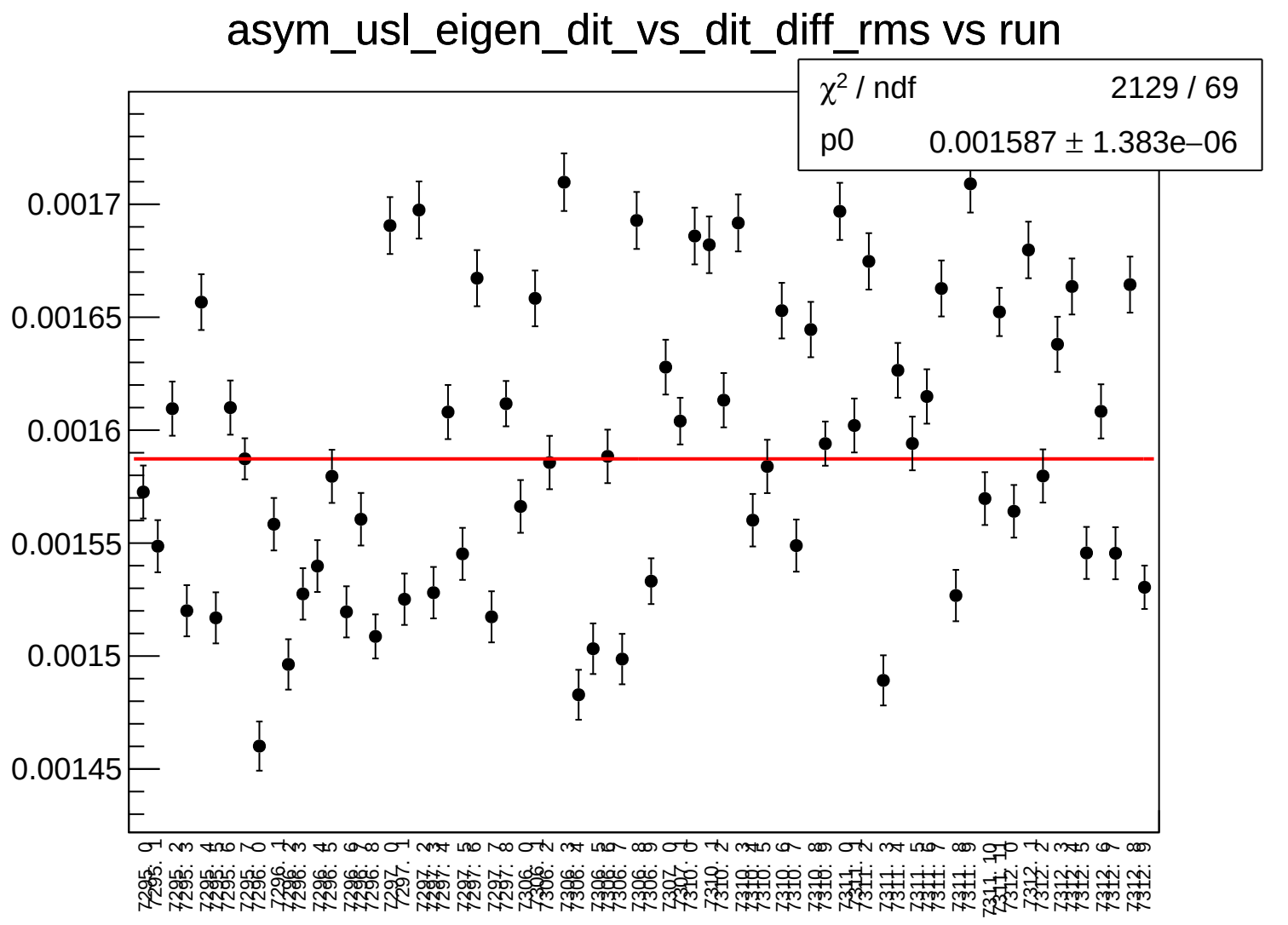

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 73 / 69
p0 0.08141 ± 0.07822
pull
Entries 70
Mean 36.25
Std Dev 0

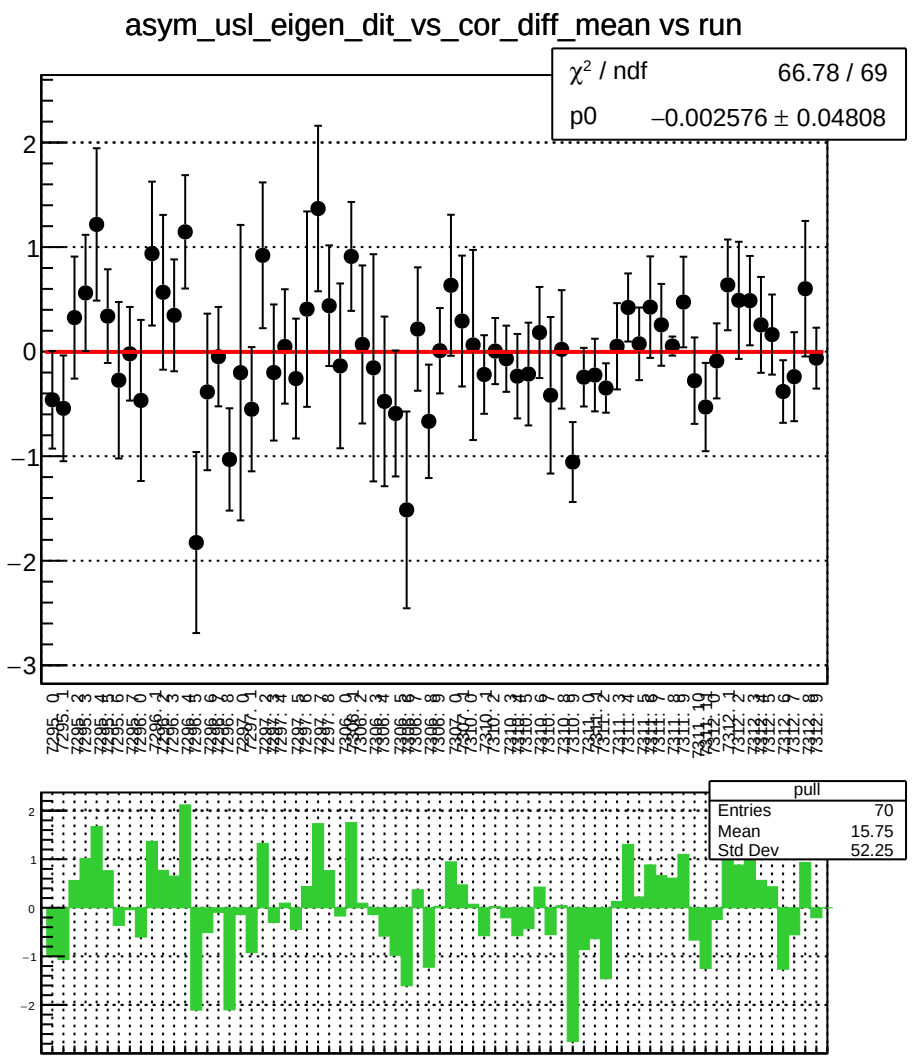

pull1D
Entries 70
Mean −0.03214
Std Dev 1.021

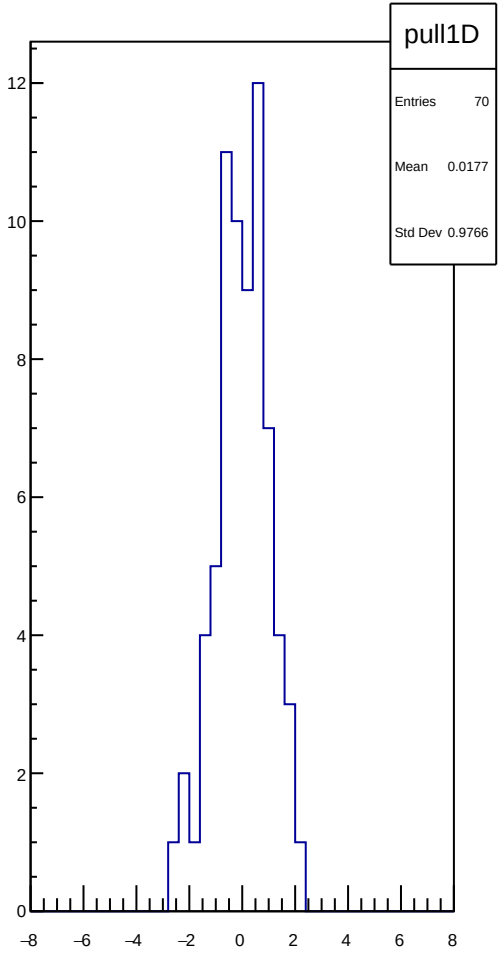

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.024e+05 / 69
p0 61.01 ± 0.05531
160
140
120
100
80
60
40
20

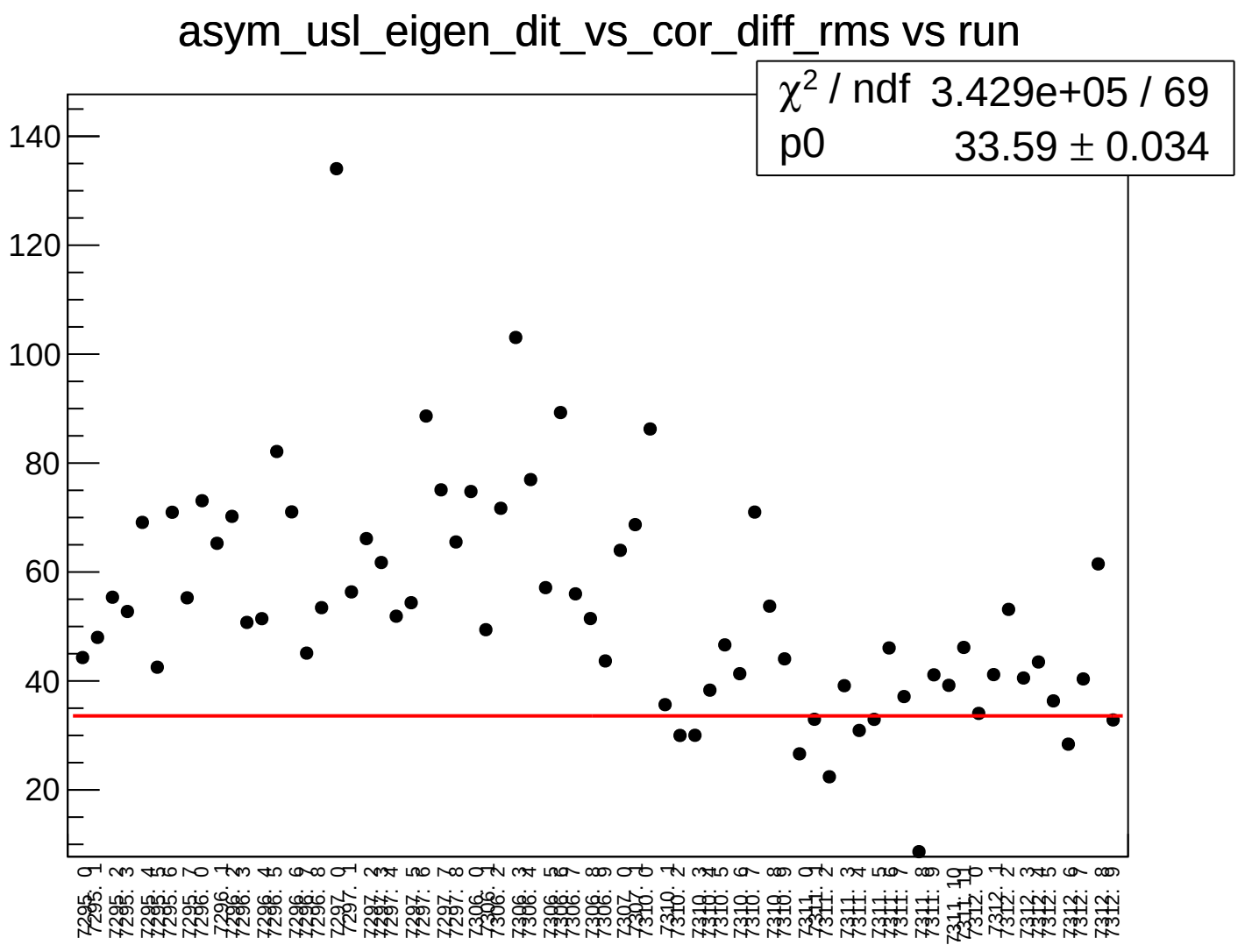

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.87 / 69
p0 −3.064e−06 ± 1.956e−06
pull
Entries 70
Mean 251.4
Std Dev 0

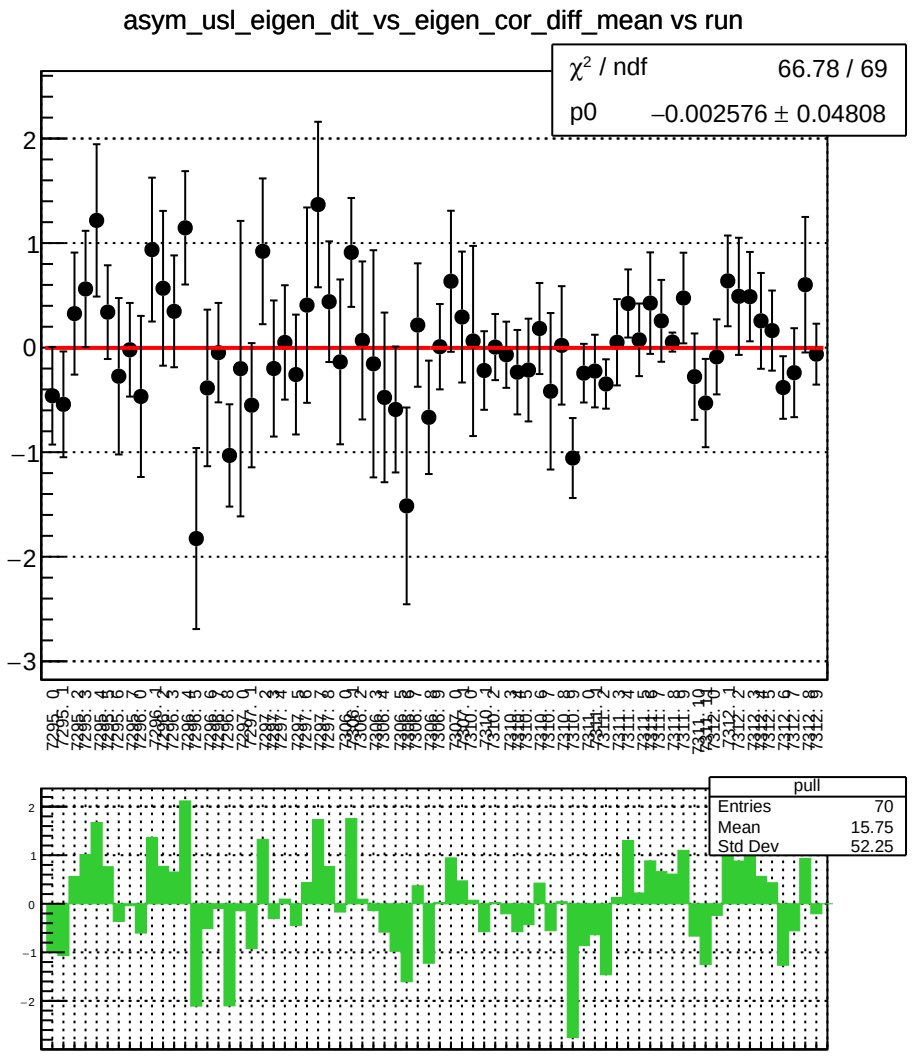

pull1D
Entries 70
Mean −0.01541
Std Dev 1.061

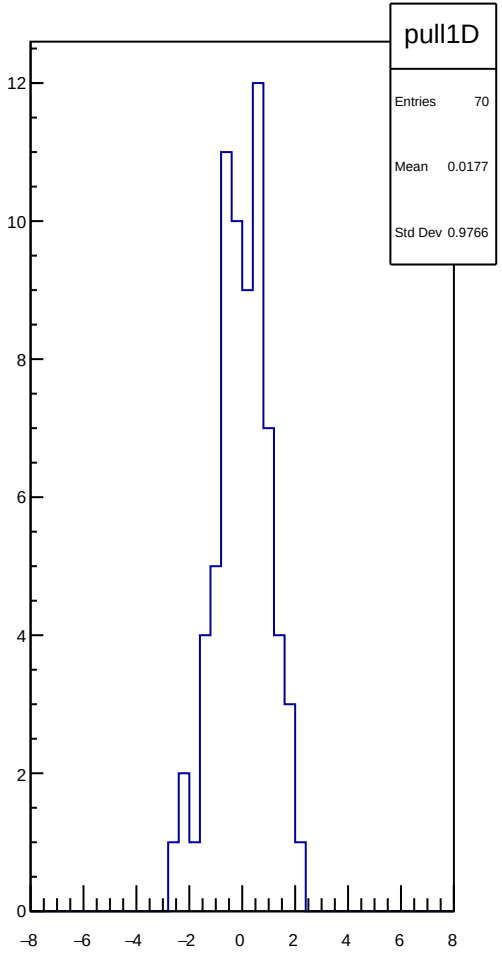

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2129 / 69
p0 0.001587 ± 1.383e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145

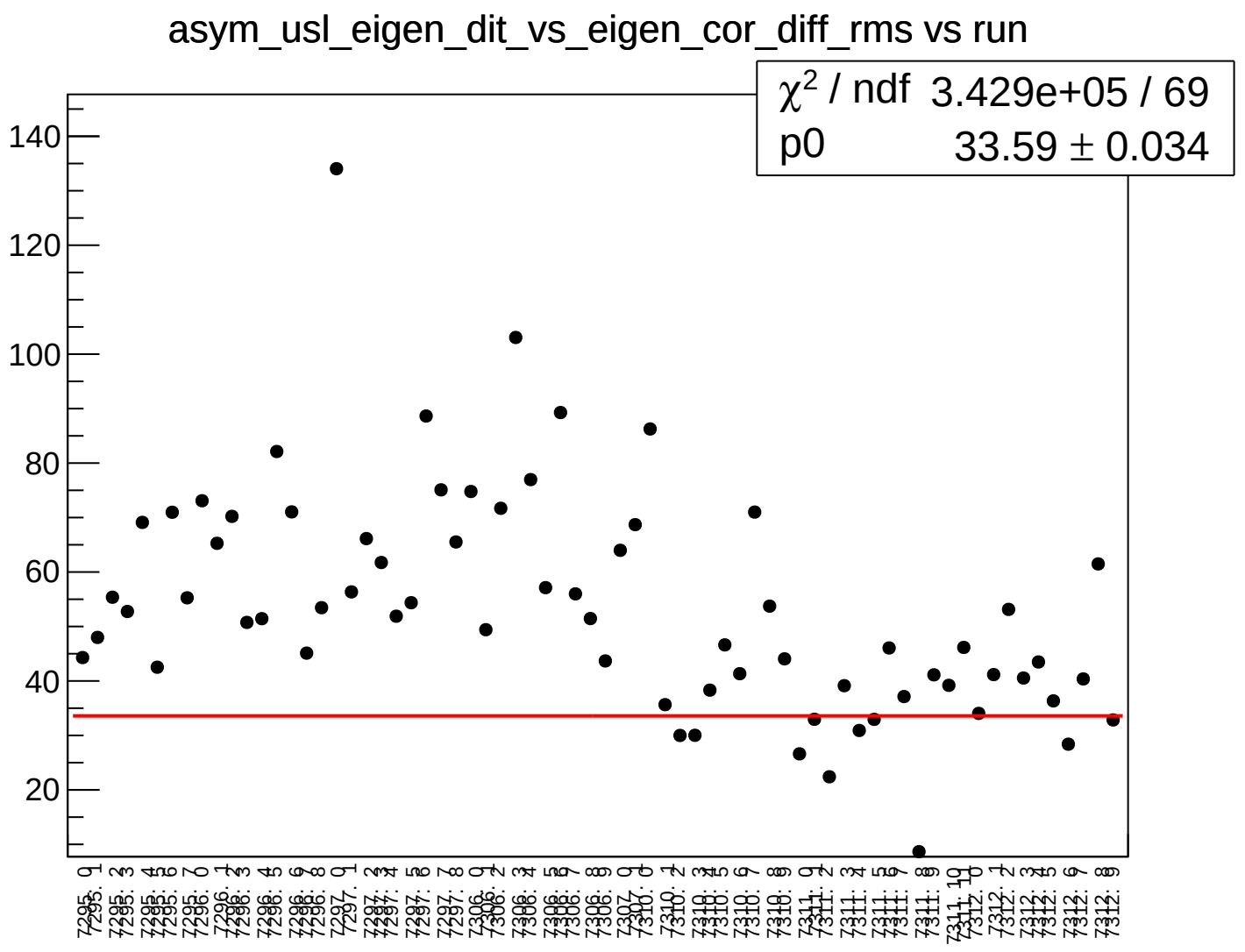

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.78 / 69
p0 −0.002576 ± 0.04808
pull
Entries 70
Mean 15.75
Std Dev 52.25

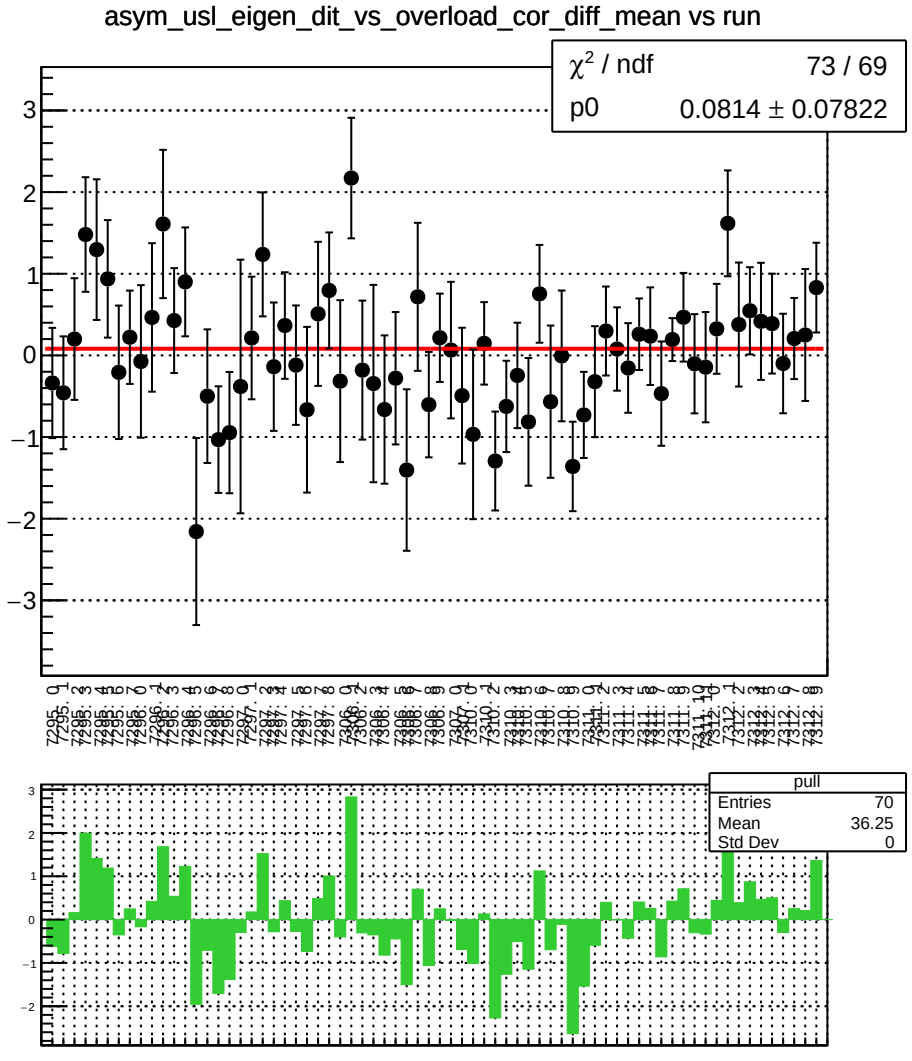

pull1D
Entries 70
Mean 0.0177
Std Dev 0.9766

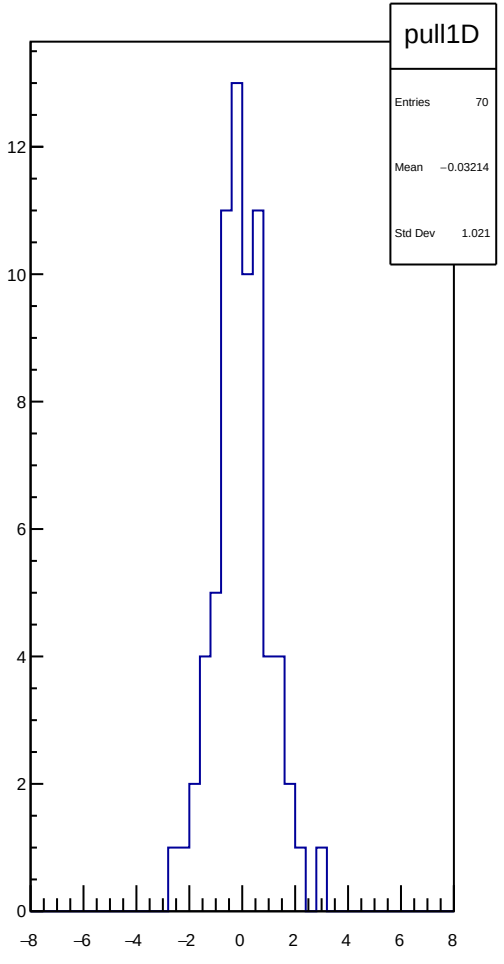

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.429e+05 / 69
p0 33.59 ± 0.034
140
120
100
80
60
40
20

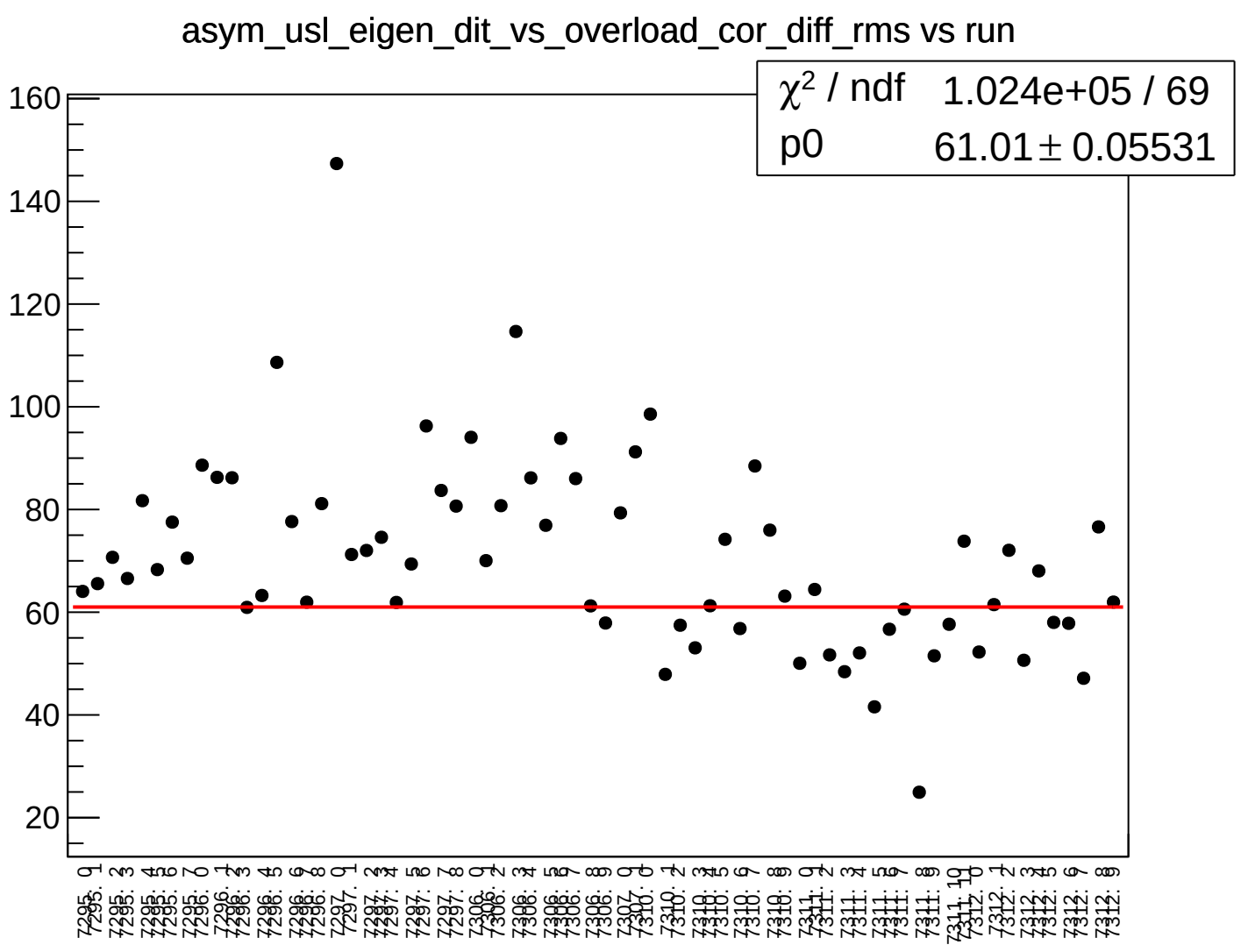

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.78 / 69
p0 −0.002576 ± 0.04808
pull
Entries 70
Mean 15.75
Std Dev 52.25

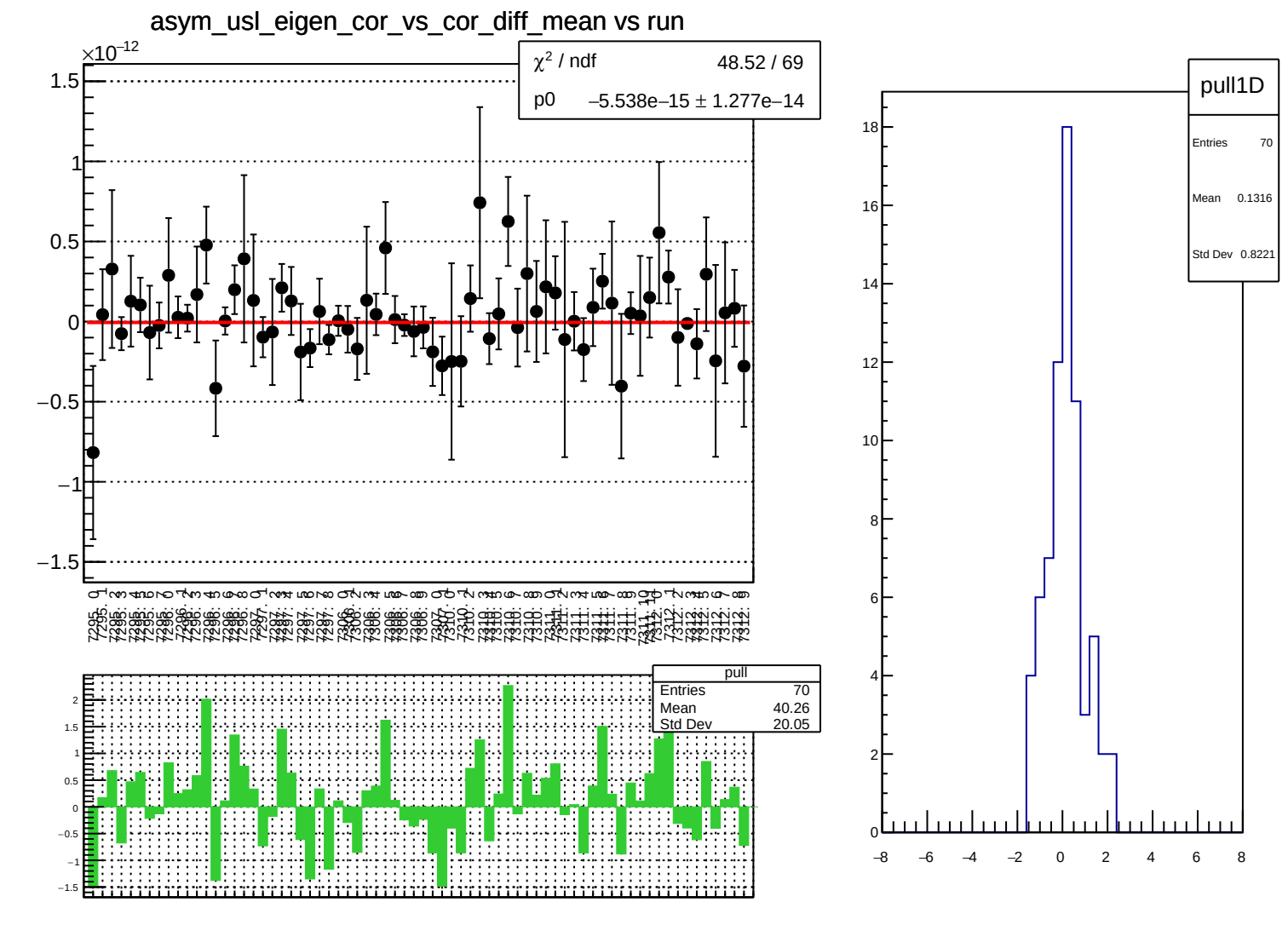

pull1D
Entries 70
Mean 0.0177
Std Dev 0.9766

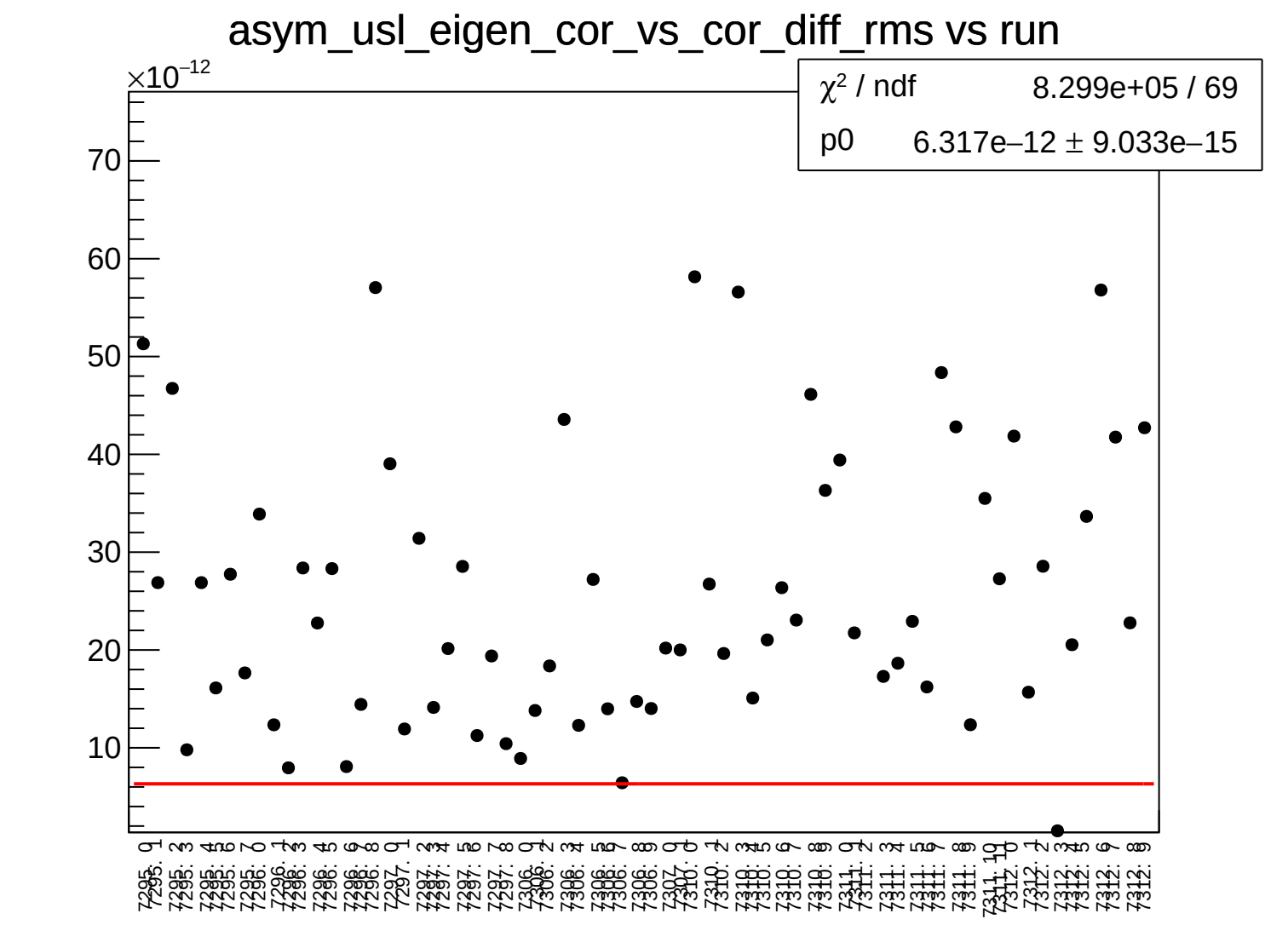

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.429e+05 / 69
p0 33.59 ± 0.034
140
120
100
80
60
40
20

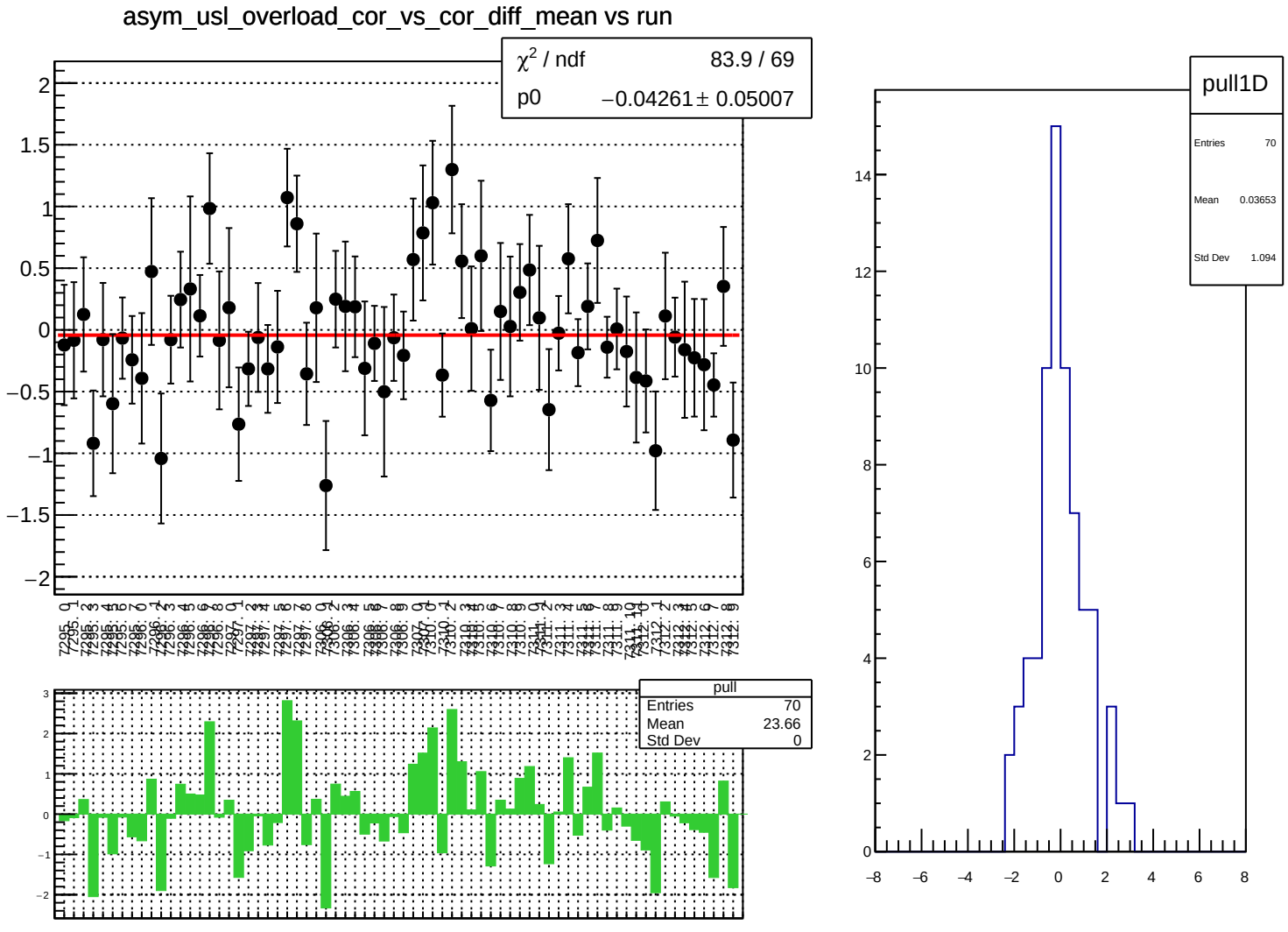

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 73 / 69
p0 0.0814 ± 0.07822
pull
Entries 70
Mean 36.25
Std Dev 0

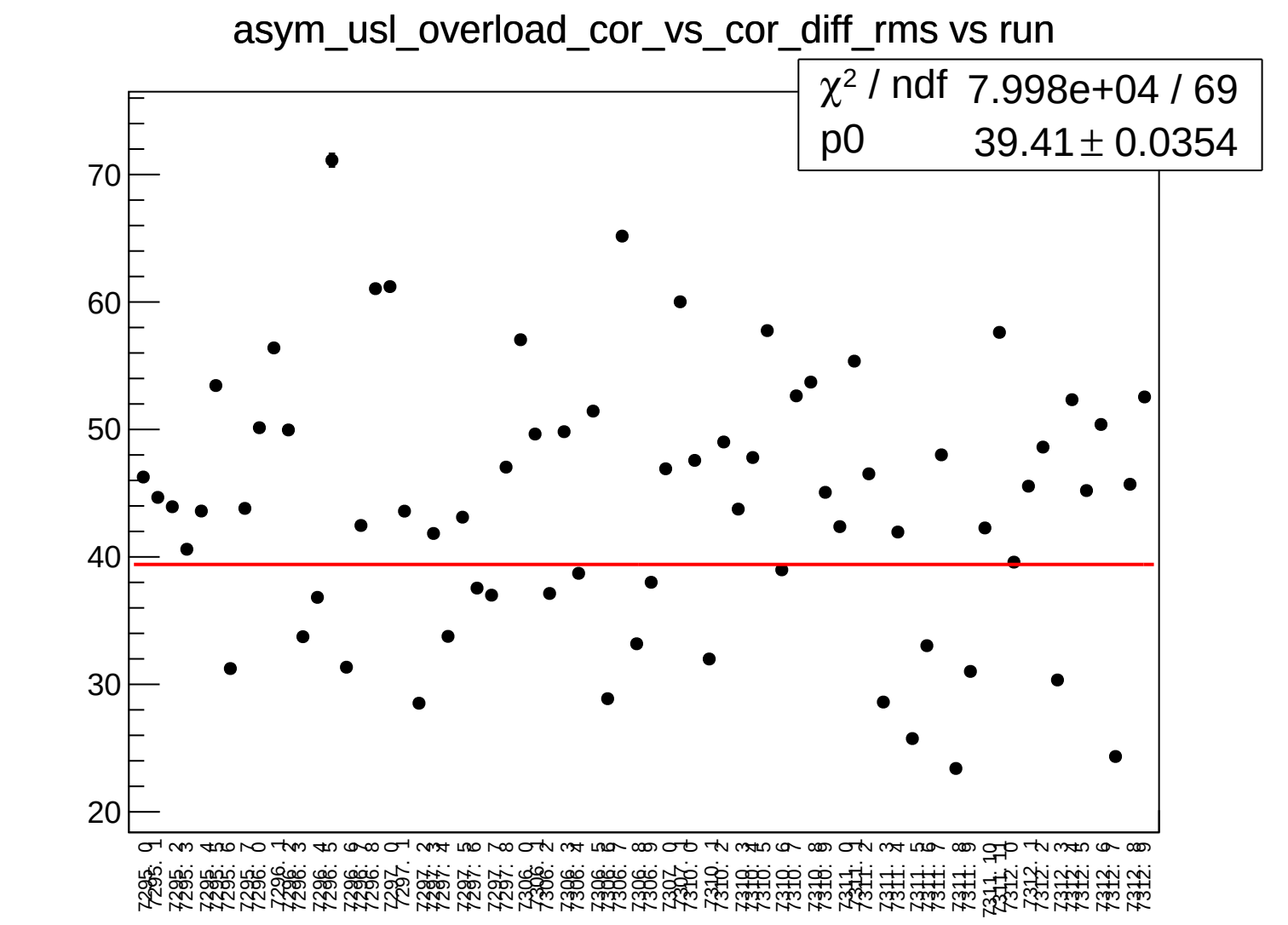

pull1D
Entries 70
Mean −0.03214
Std Dev 1.021

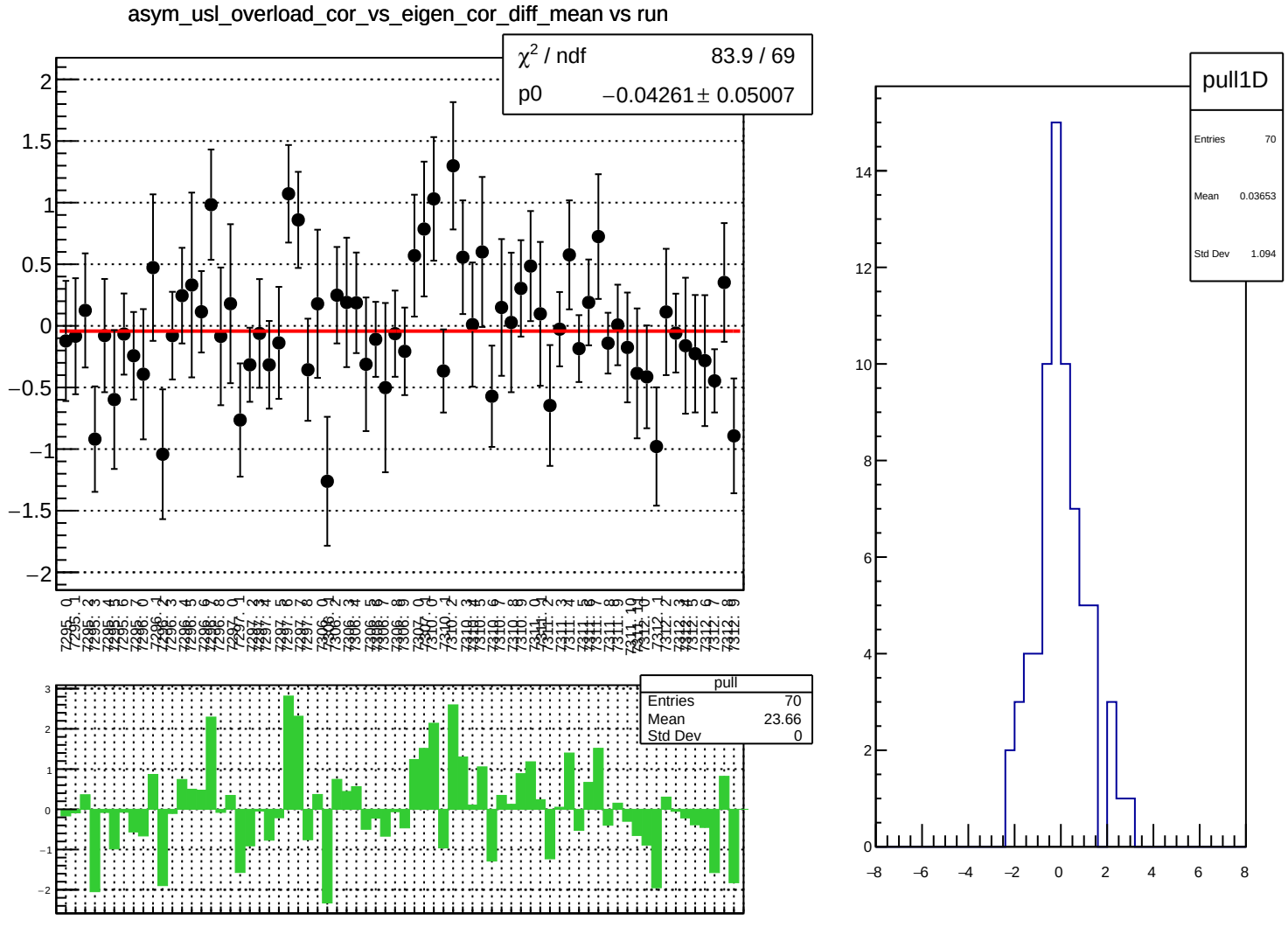

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.024e+05 / 69
p0 61.01 ± 0.05531
160
140
120
100
80
60
40
20

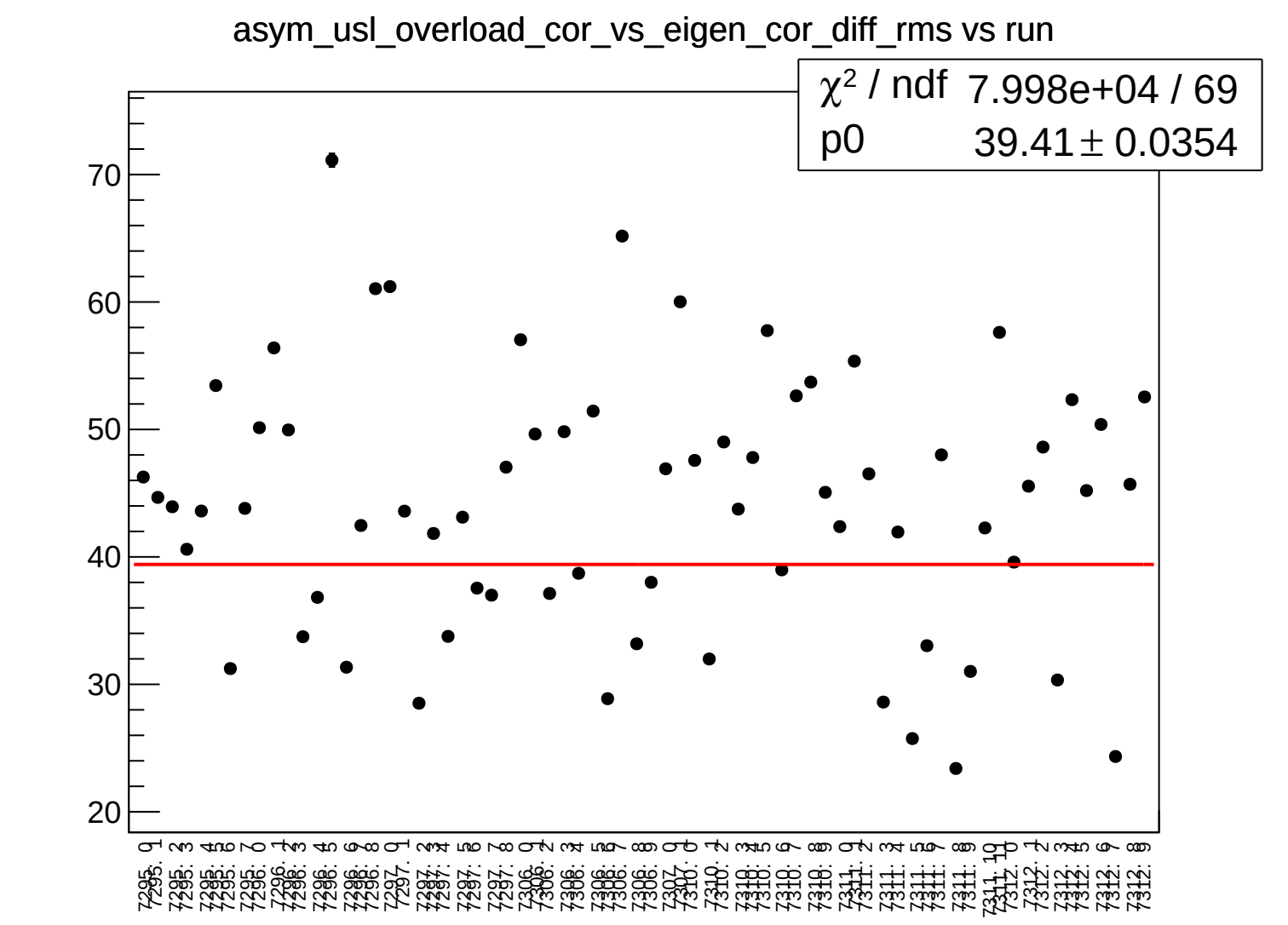

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.52 / 69
p0 −5.538e−15 ± 1.277e−14
pull
Entries 70
Mean 40.26
Std Dev 20.05
pull1D
Entries 70
Mean 0.1316
Std Dev 0.8221

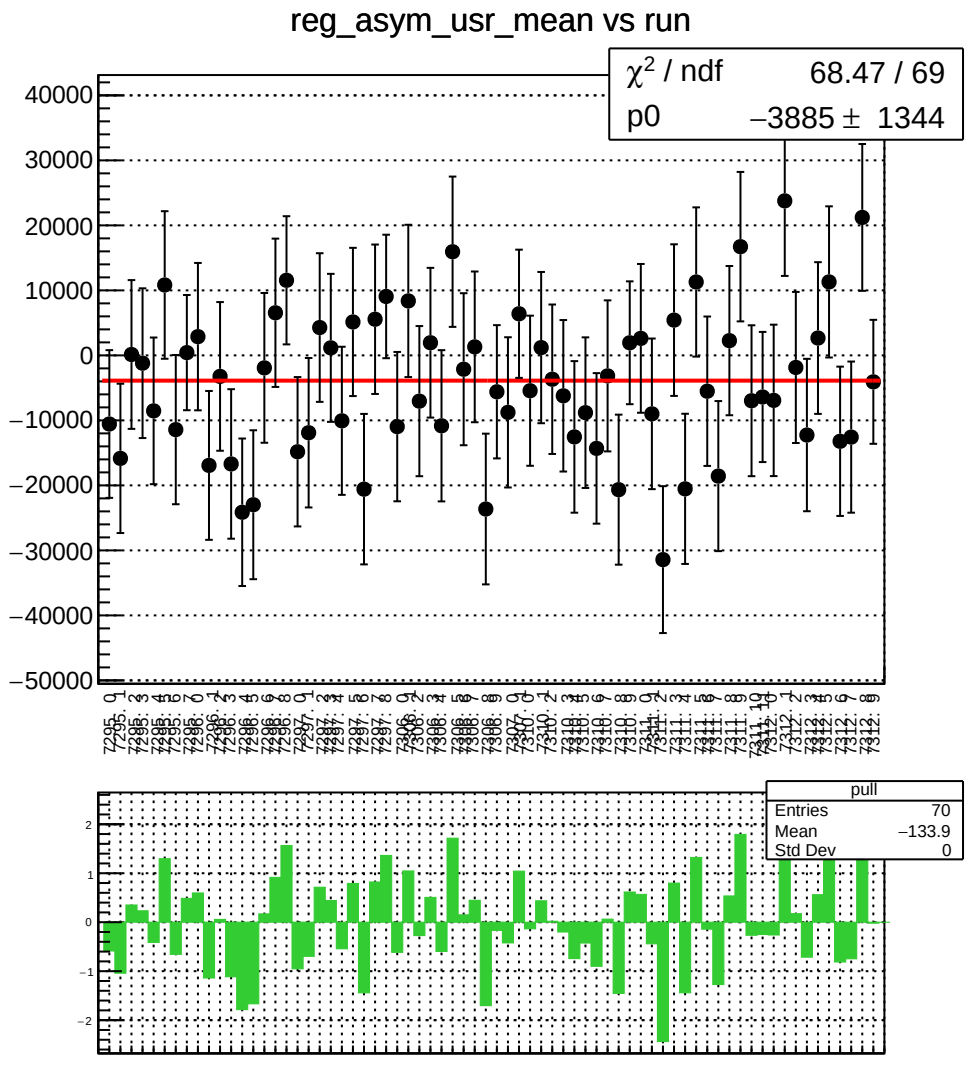

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 8.299e+05 / 69
p0 6.317e−12 ± 9.033e−15
70
60
50
40
30
20
10

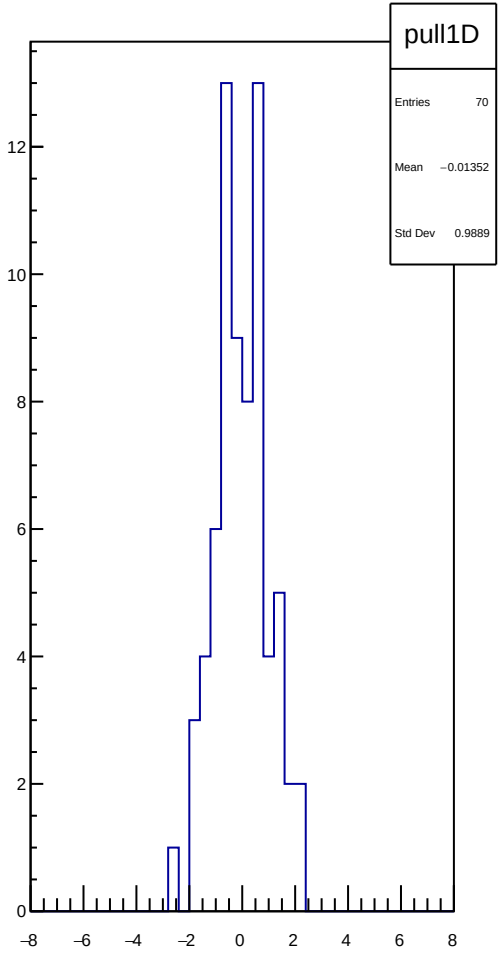

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 69
p0 −0.04261 ± 0.05007
pull
Entries 70
Mean 23.66
Std Dev 0
pull1D
Entries 70
Mean 0.03653
Std Dev 1.094

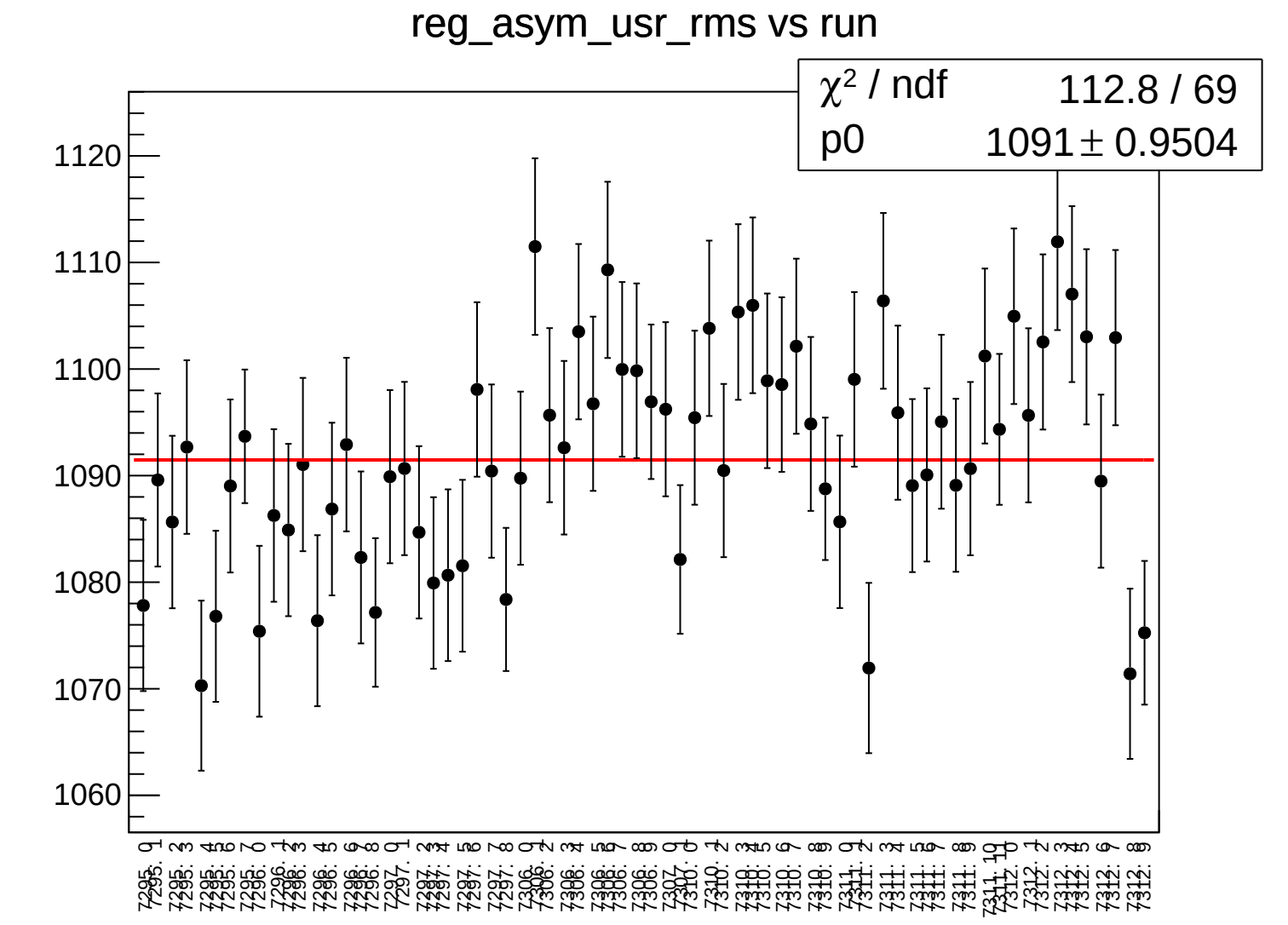

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.998e+04 / 69
p0 39.41 ± 0.0354
70
60
50
40
30
20

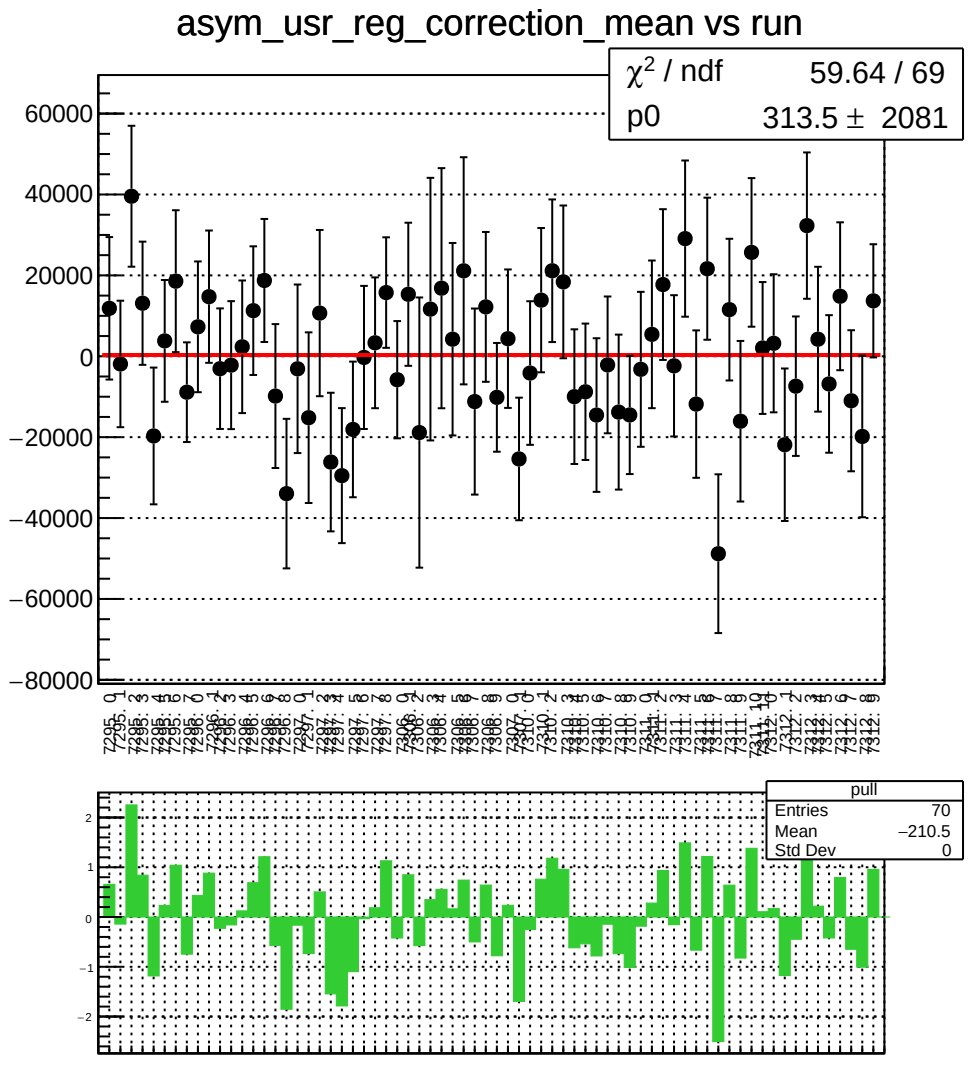

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.9 / 69
p0 −0.04261 ± 0.05007
pull
Entries 70
Mean 23.66
Std Dev 0
pull1D
Entries 70
Mean 0.03653
Std Dev 1.094

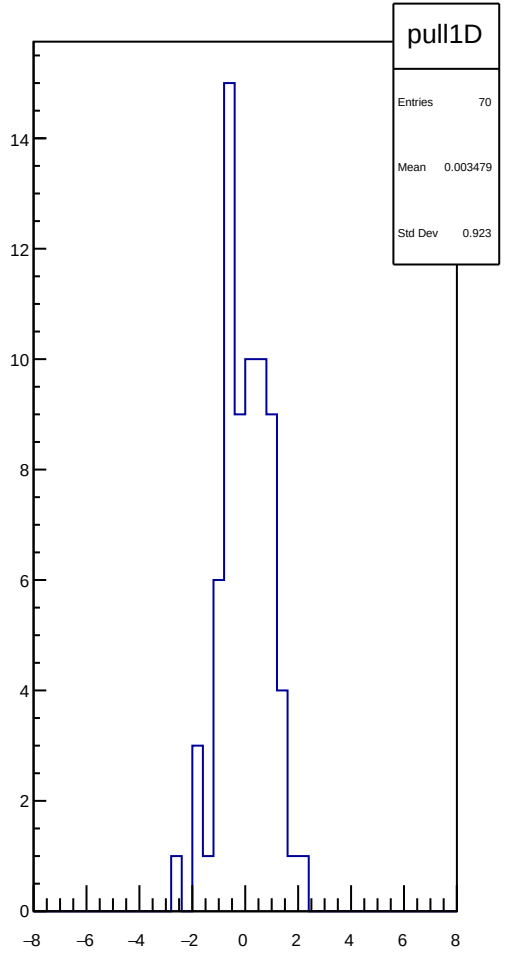

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.998e+04 / 69
p0 39.41 ± 0.0354
70
60
50
40
30
20

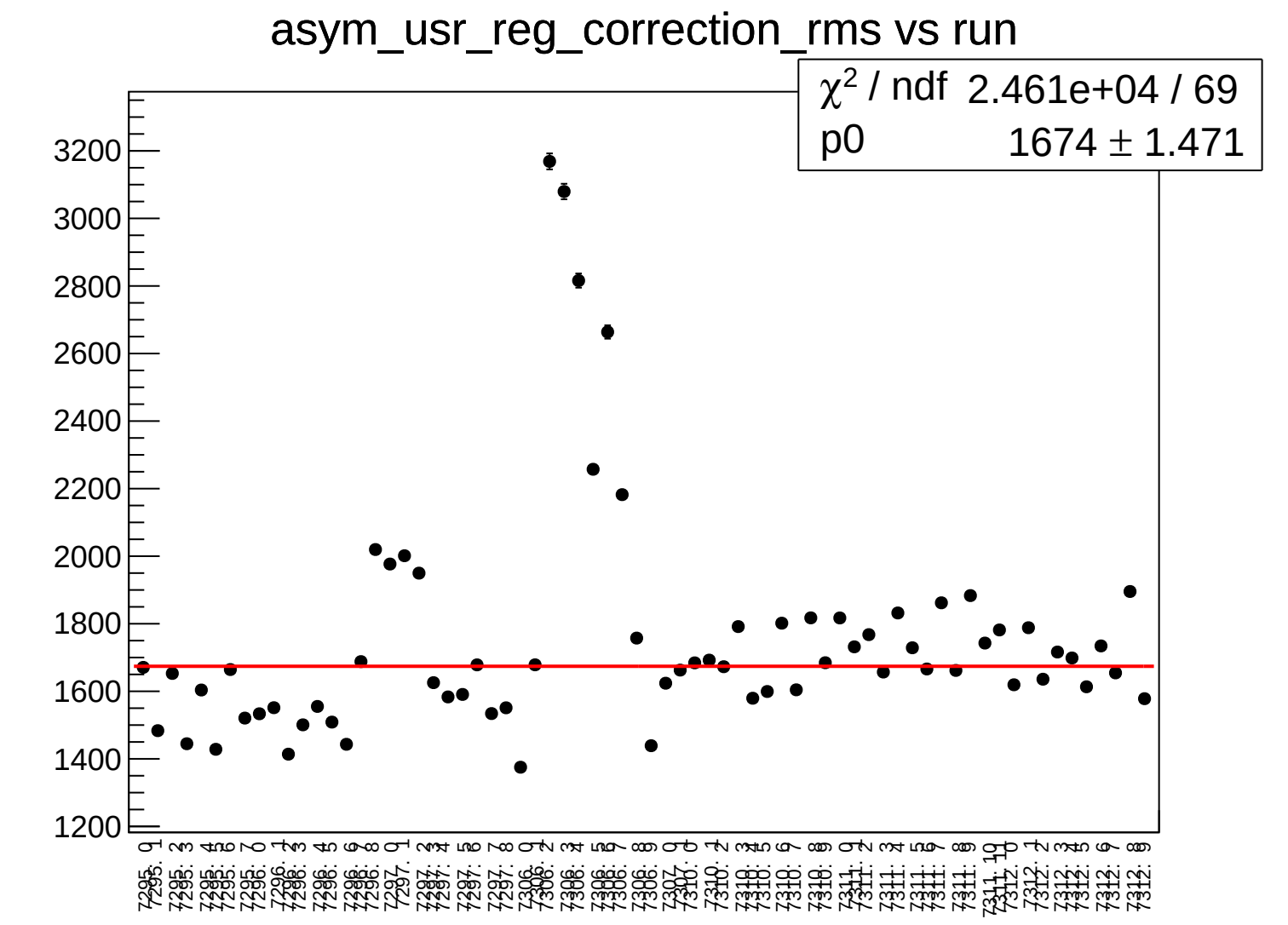

reg_asym_usr_mean vs run
χ² / ndf 68.47 / 69
p0 −3885 ± 1344
pull
Entries 70
Mean −133.9
Std Dev 0

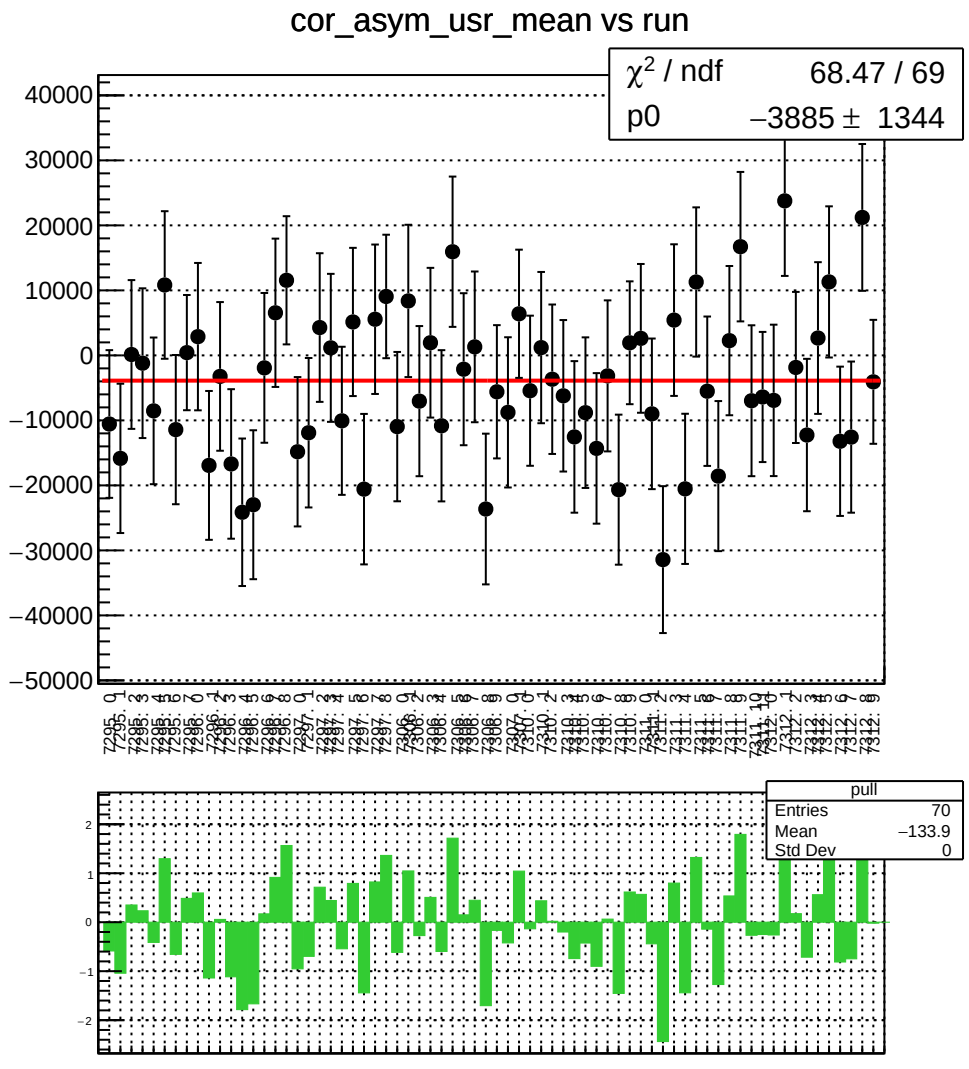

pull1D
Entries 70
Mean −0.01352
Std Dev 0.9889

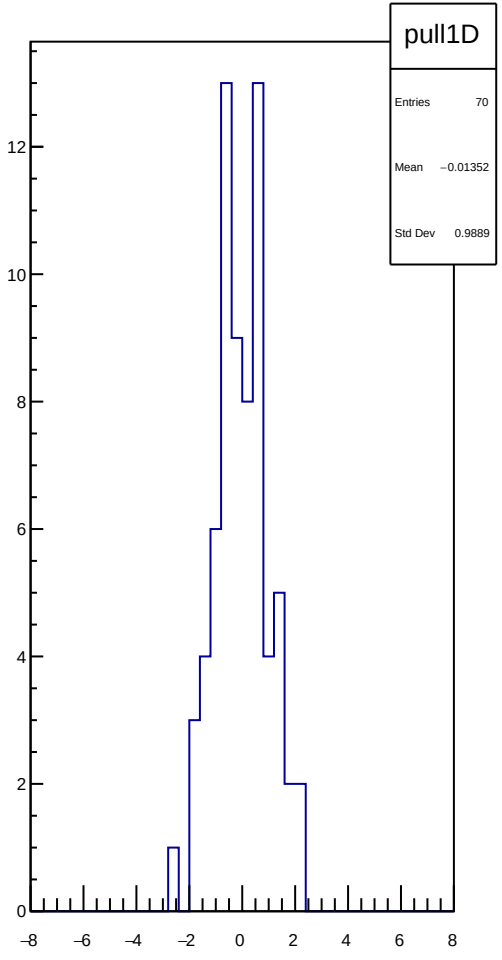

reg_asym_usr_rms vs run
χ² / ndf 112.8 / 69
p0 1091 ± 0.9504
1120
1110
1100
1090
1080
1070
1060

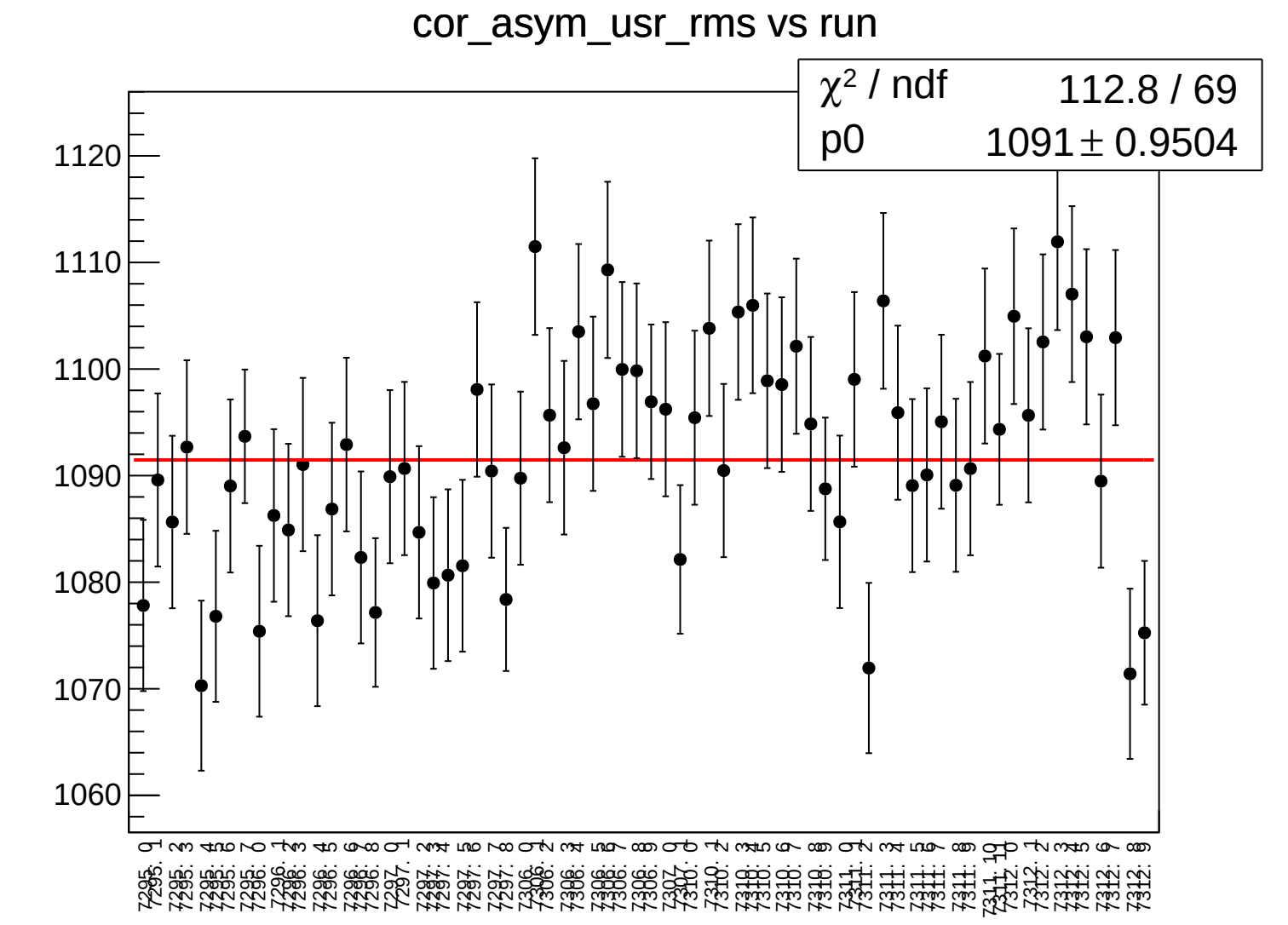

asym_usr_reg_correction_mean vs run
χ² / ndf 59.64 / 69
p0 313.5 ± 2081
pull
Entries 70
Mean −210.5
Std Dev 0

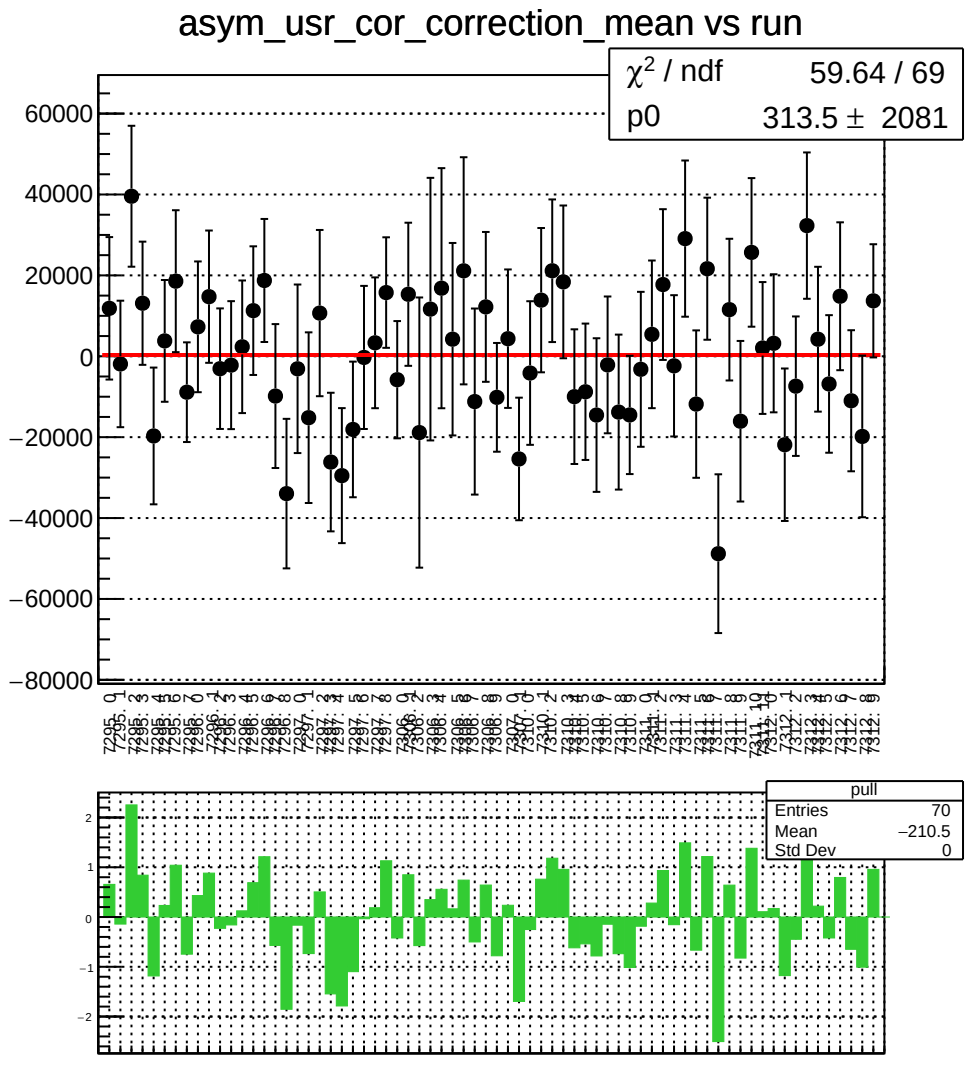

pull1D
Entries 70
Mean 0.003479
Std Dev 0.923

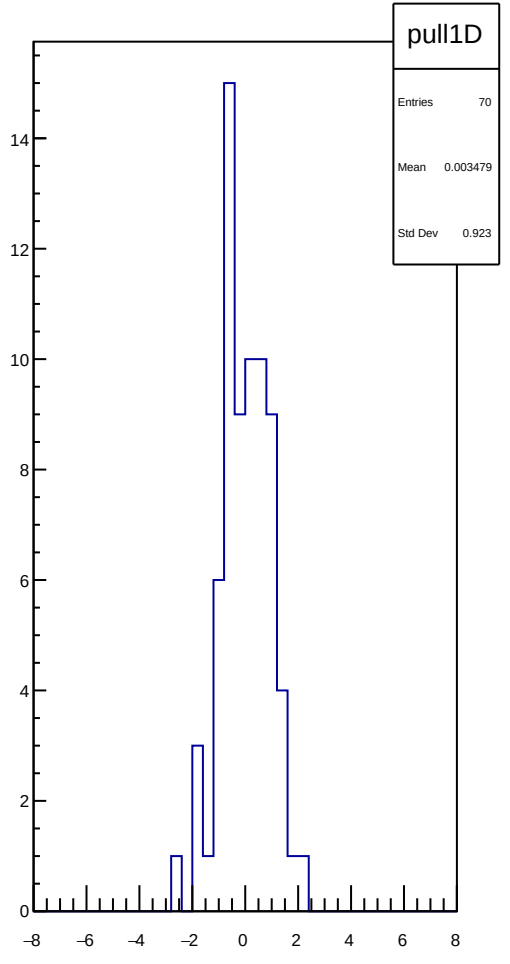

asym_usr_reg_correction_rms vs run
χ² / ndf 2.461e+04 / 69
p0 1674 ± 1.471
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

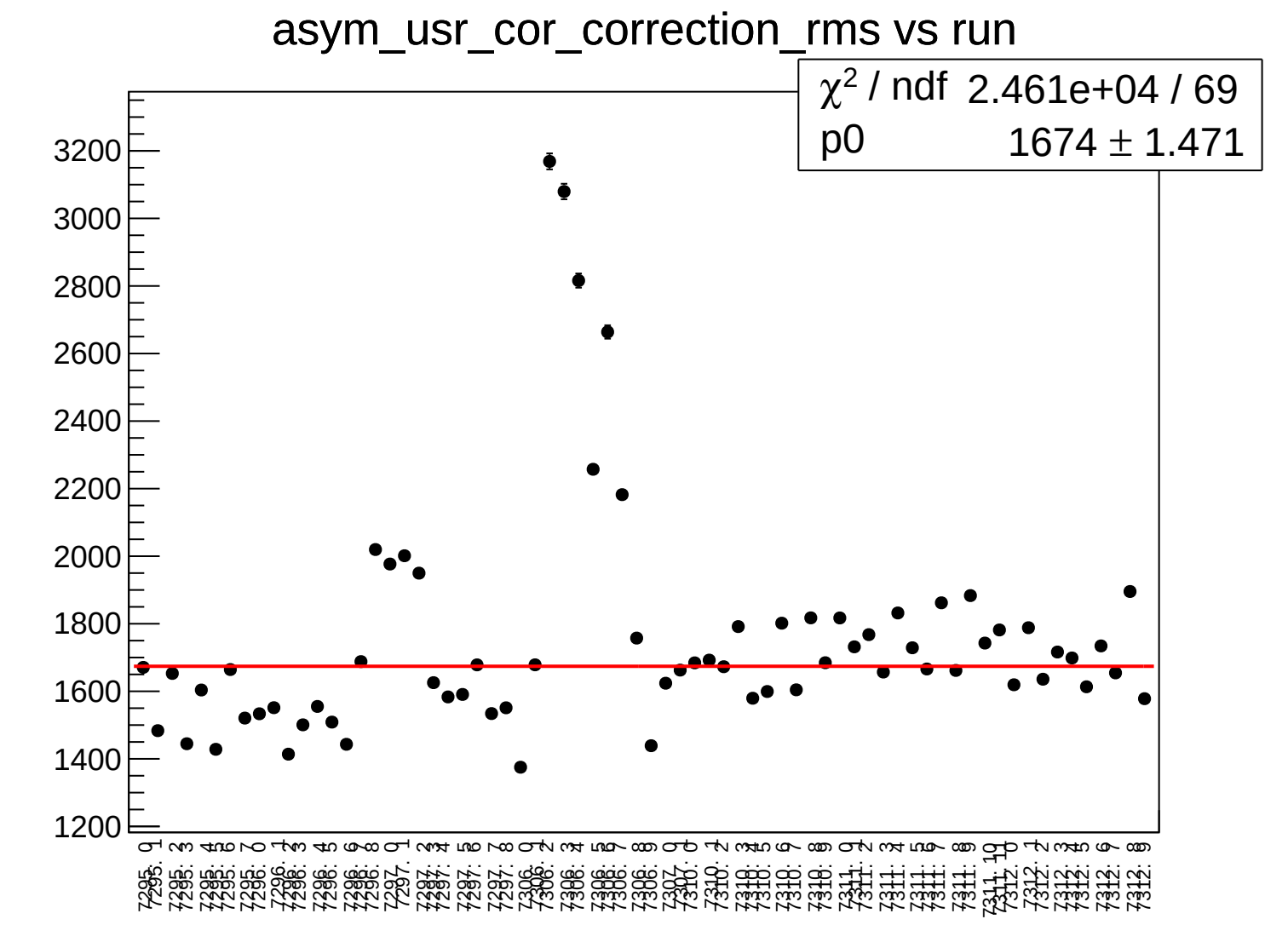

cor_asym_usr_mean vs run
χ² / ndf 68.47 / 69
p0 −3885 ± 1344
pull
Entries 70
Mean −133.9
Std Dev 0

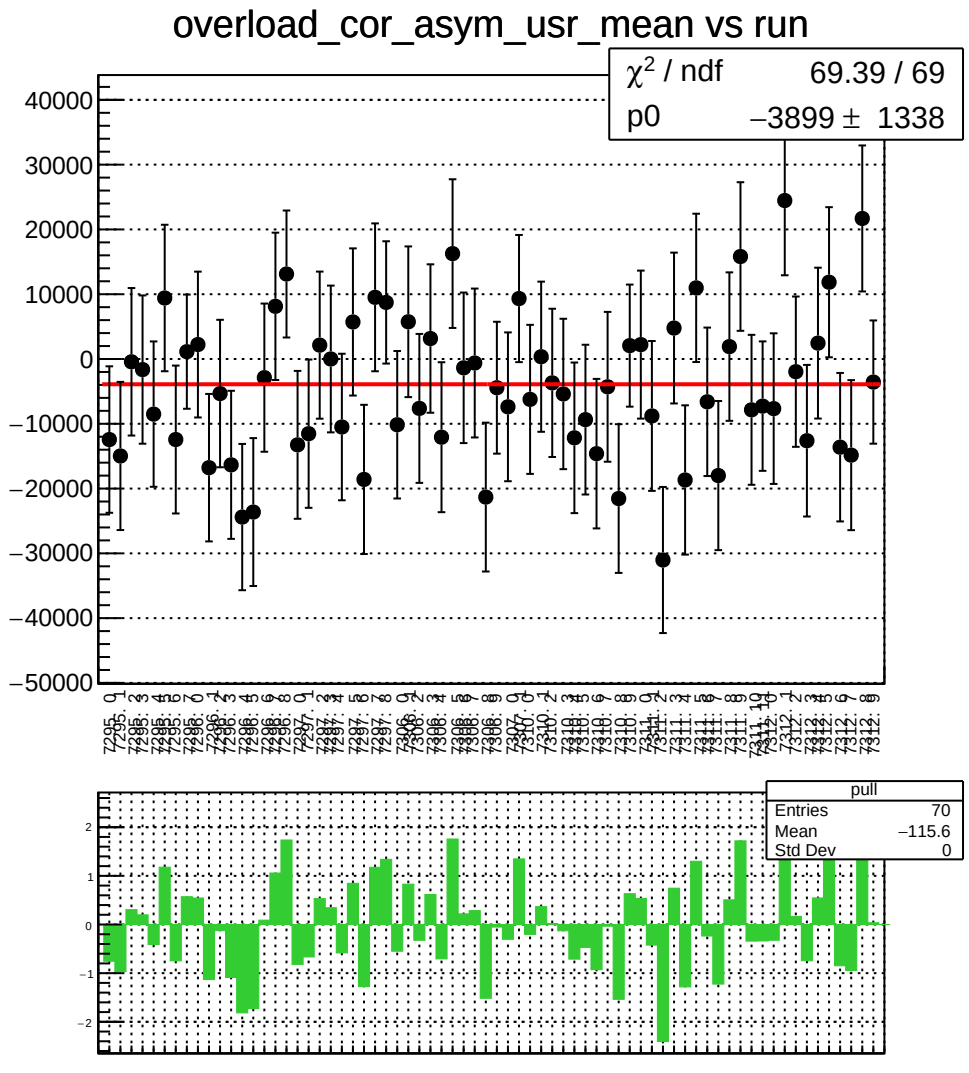

pull1D
Entries 70
Mean −0.01352
Std Dev 0.9889

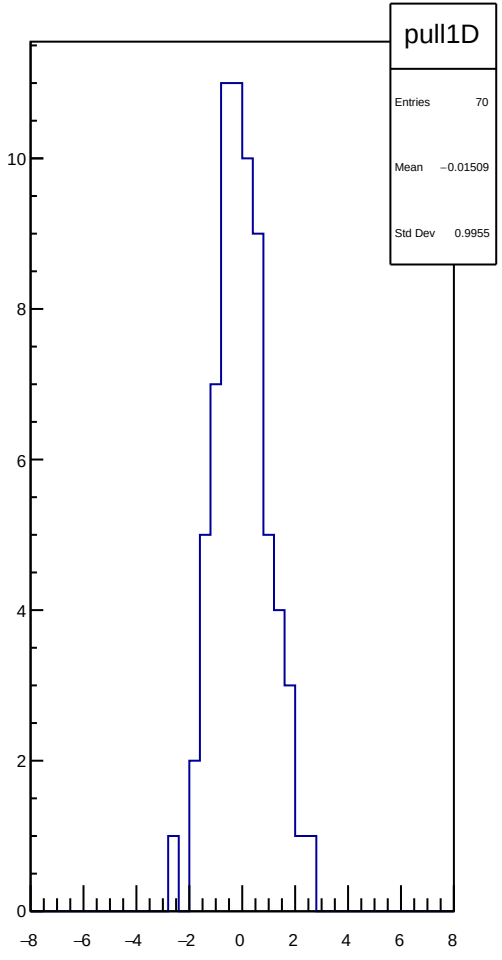

cor_asym_usr_rms vs run
χ² / ndf 112.8 / 69
p0 1091 ± 0.9504
1120
1110
1100
1090
1080
1070
1060

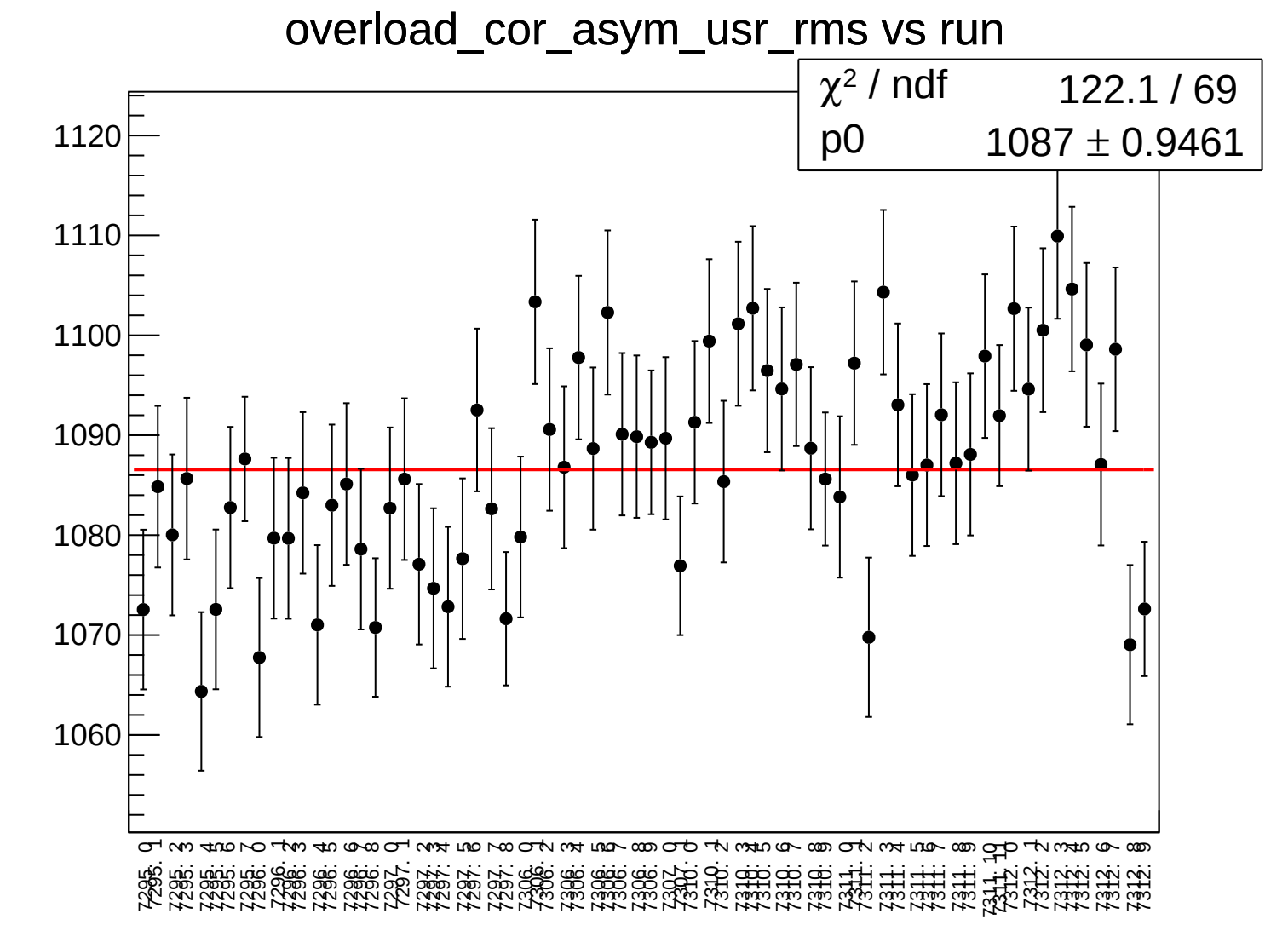

asym_usr_cor_correction_mean vs run
χ² / ndf 59.64 / 69
p0 313.5 ± 2081
pull
Entries 70
Mean −210.5
Std Dev 0

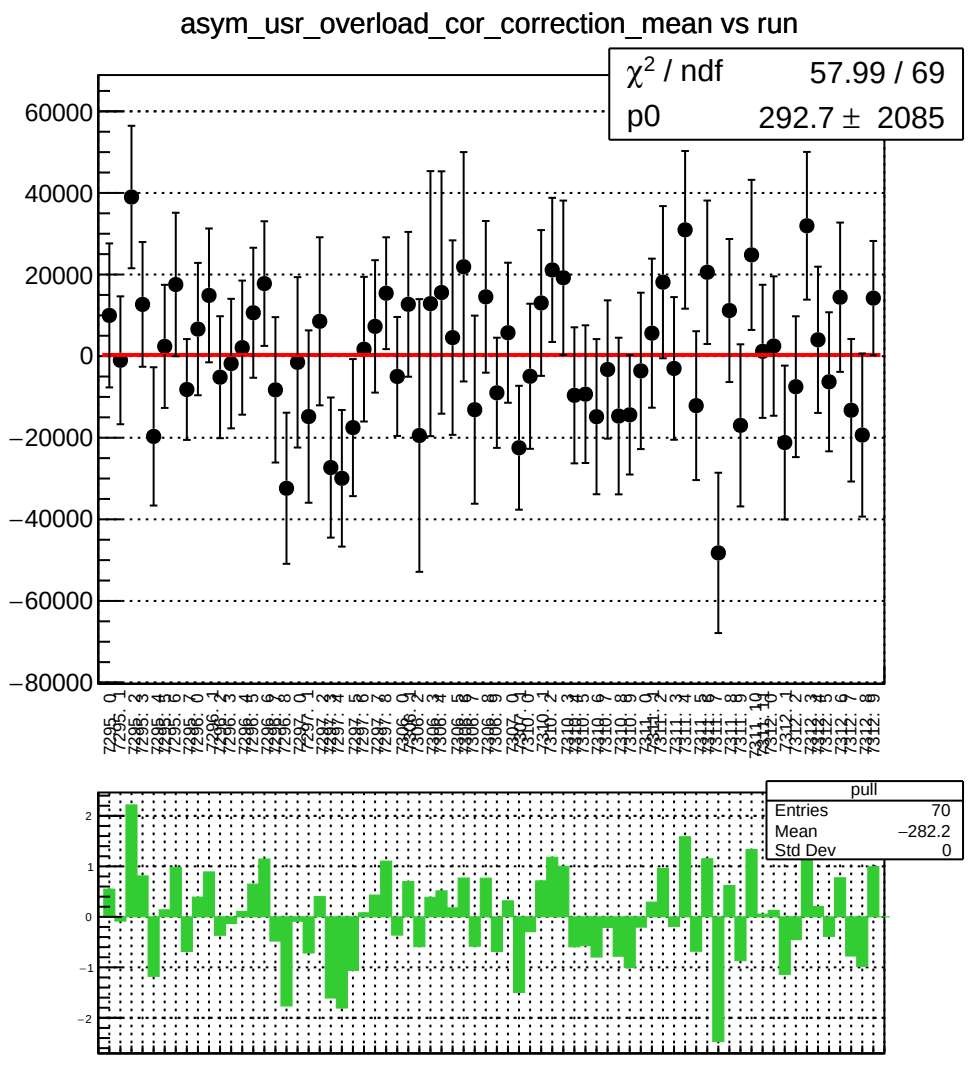

pull1D
Entries 70
Mean 0.003479
Std Dev 0.923

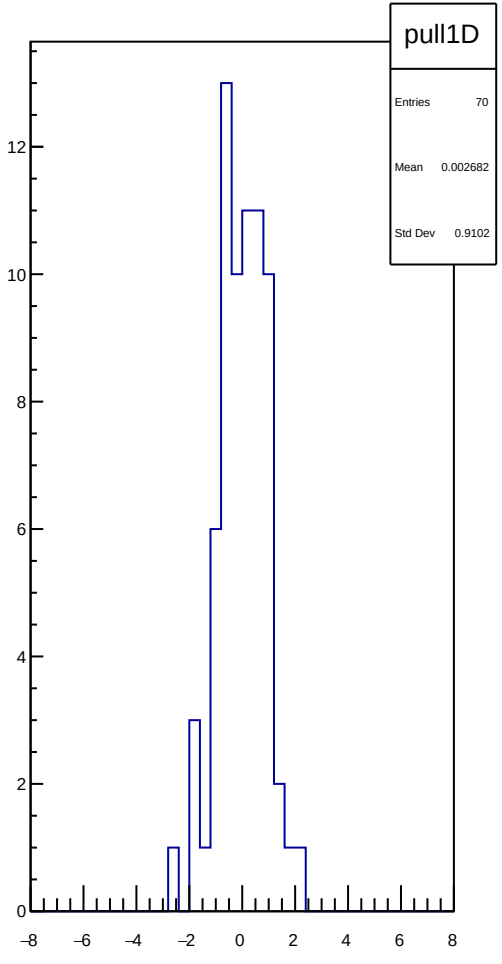

asym_usr_cor_correction_rms vs run
χ² / ndf 2.461e+04 / 69
p0 1674 ± 1.471
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

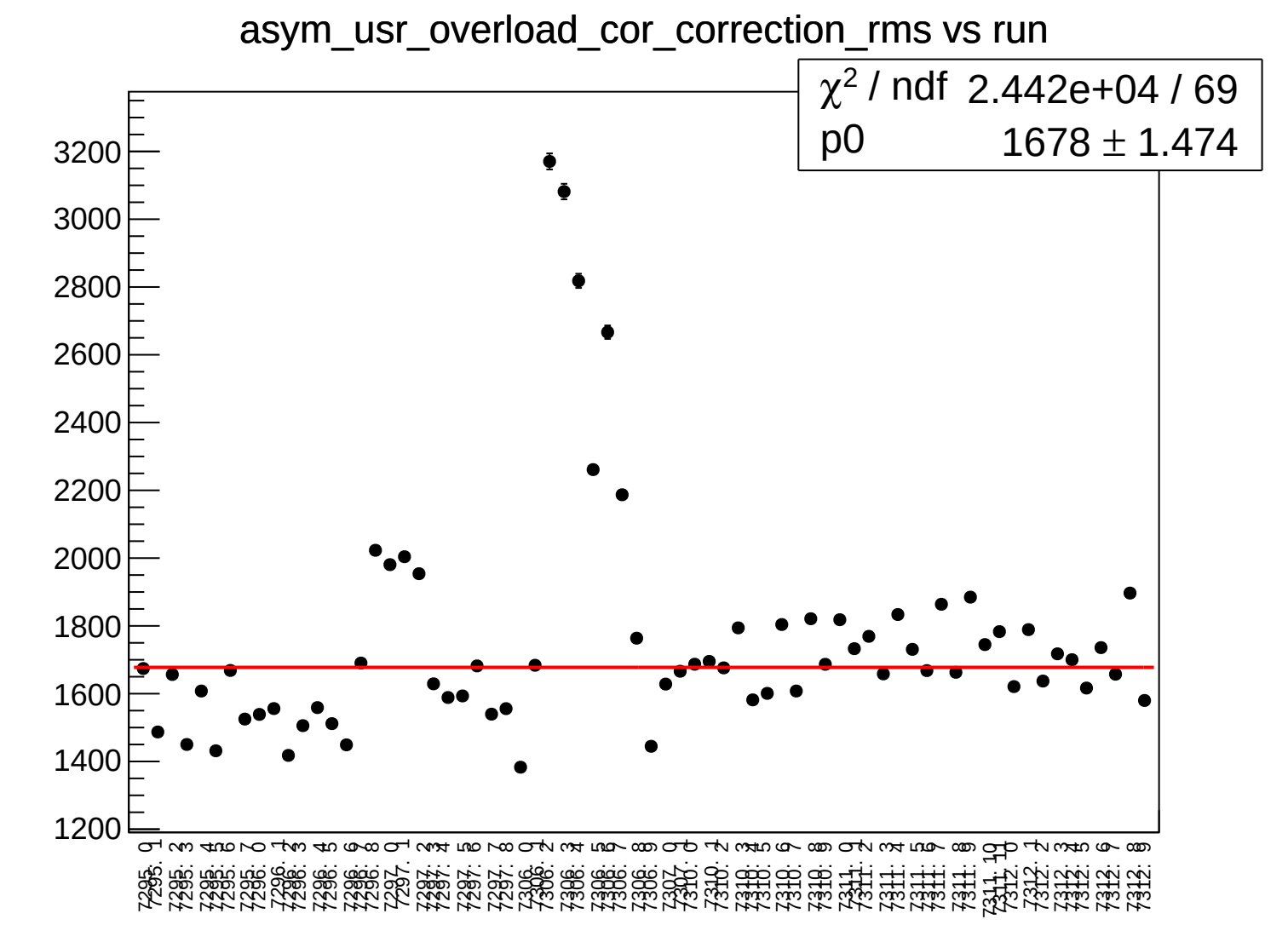

overload_cor_asym_usr_mean vs run
χ^2 / ndf 69.39 / 69
p0 −3899 ± 1338
pull
Entries 70
Mean −115.6
Std Dev 0


pull1D
Entries 70
Mean −0.01509
Std Dev 0.9955


overload_cor_asym_usr_rms vs run
χ² / ndf 122.1 / 69
p0 1087 ± 0.9461
1120
1110
1100
1090
1080
1070
1060


asym_usr_overload_cor_correction_mean vs run
χ² / ndf 57.99 / 69
p0 292.7 ± 2085
pull
Entries 70
Mean −282.2
Std Dev 0


pull1D
Entries 70
Mean 0.002682
Std Dev 0.9102


asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2.442e+04 / 69
p0 1678 ± 1.474
3200
3000
2800
2600
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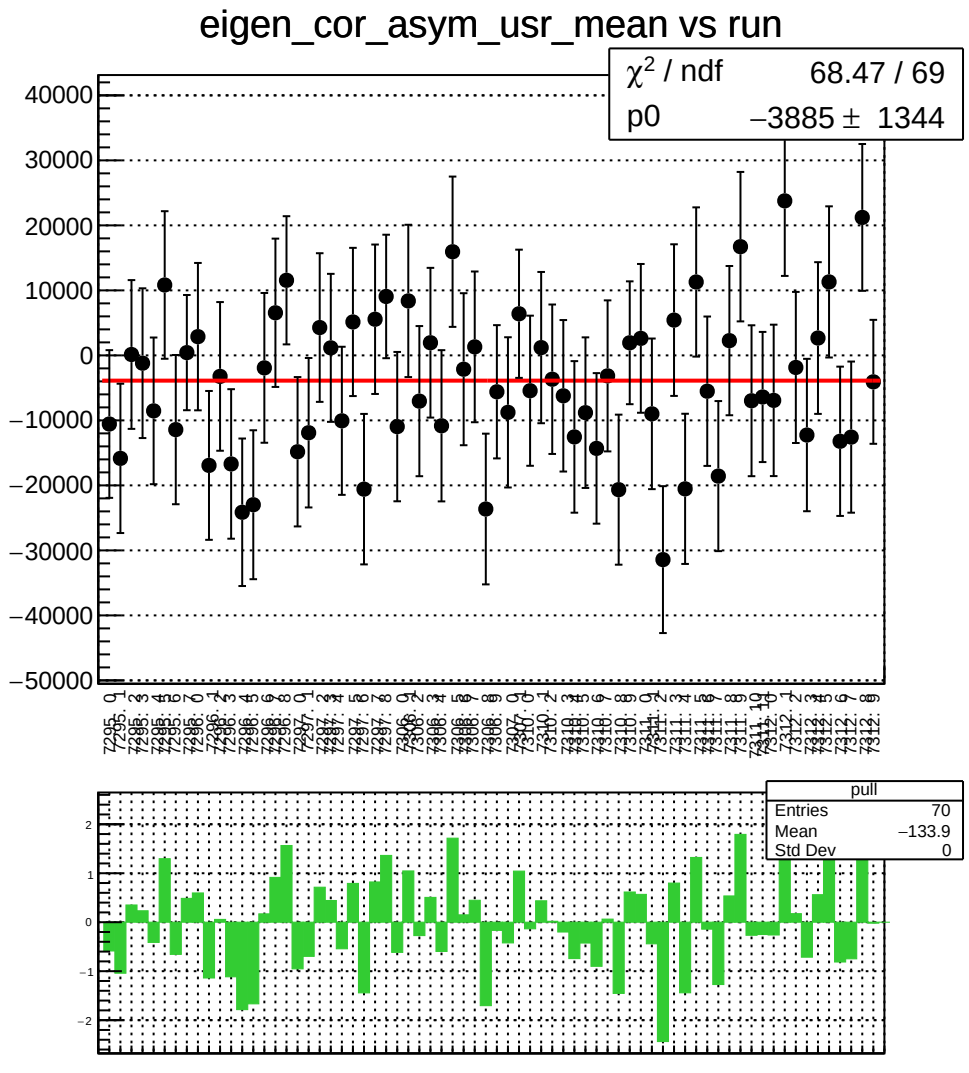
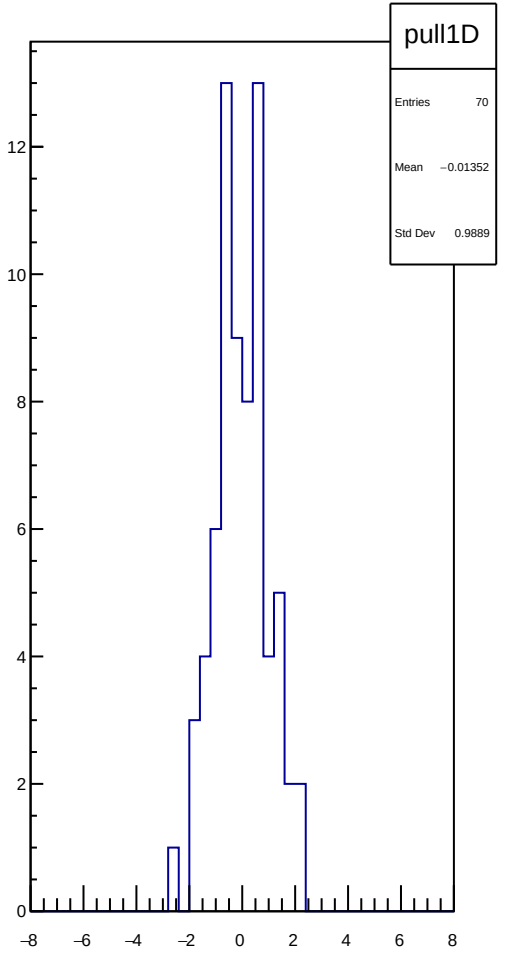
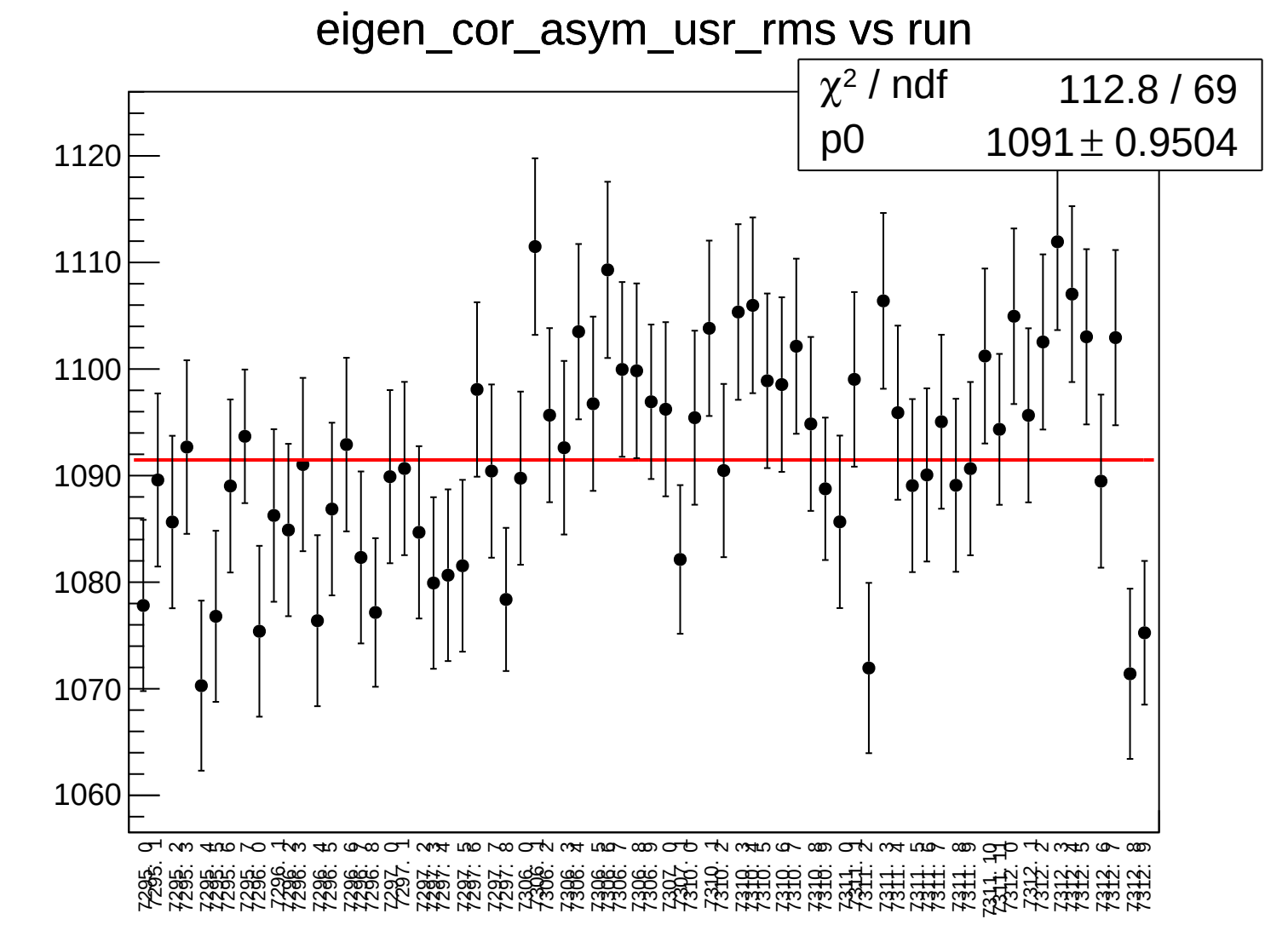
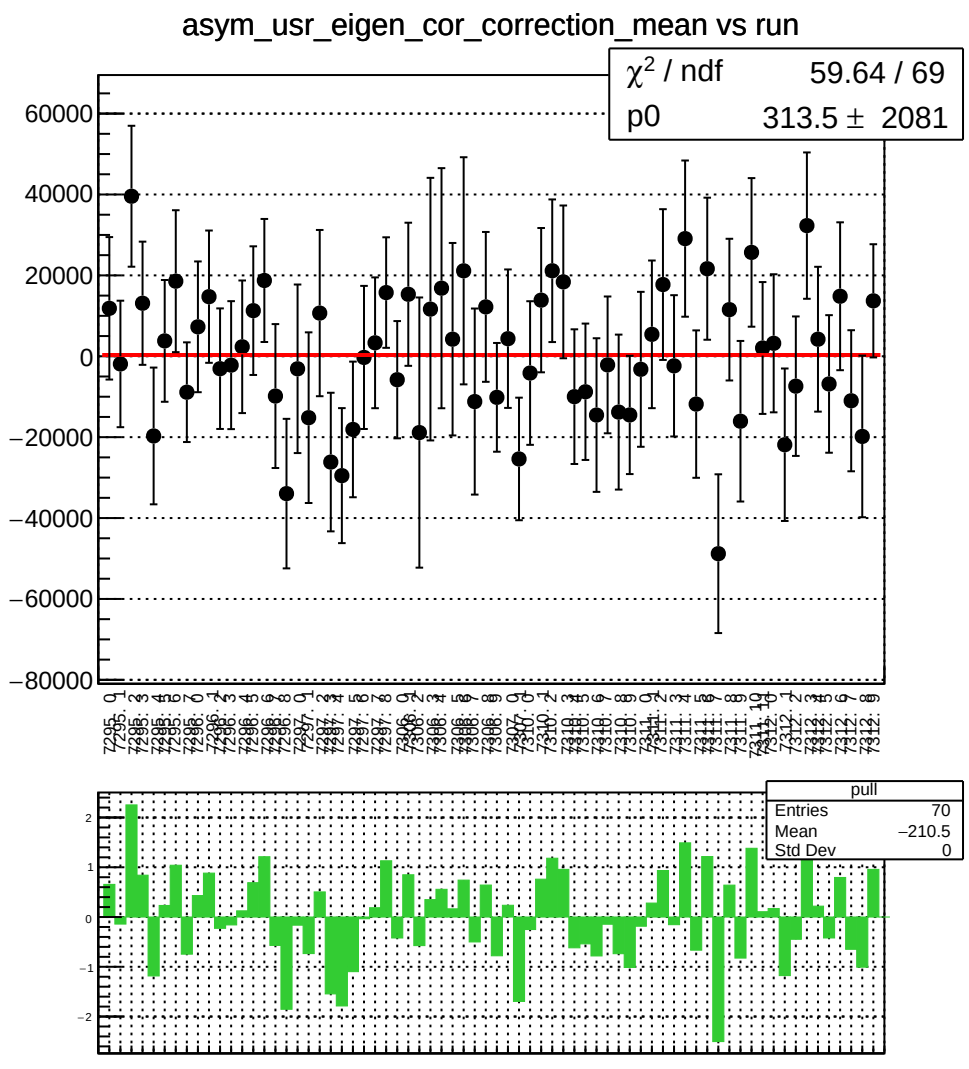
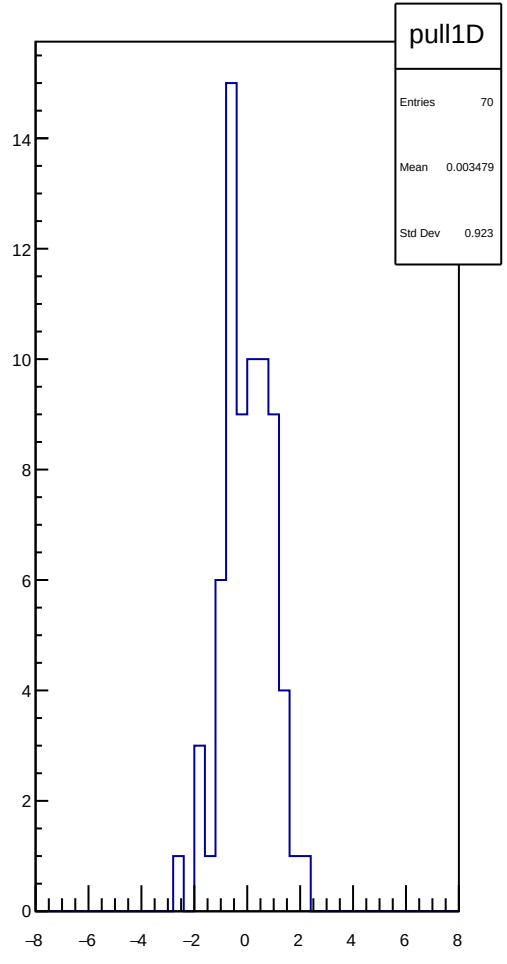
1800
1600
1400
1200

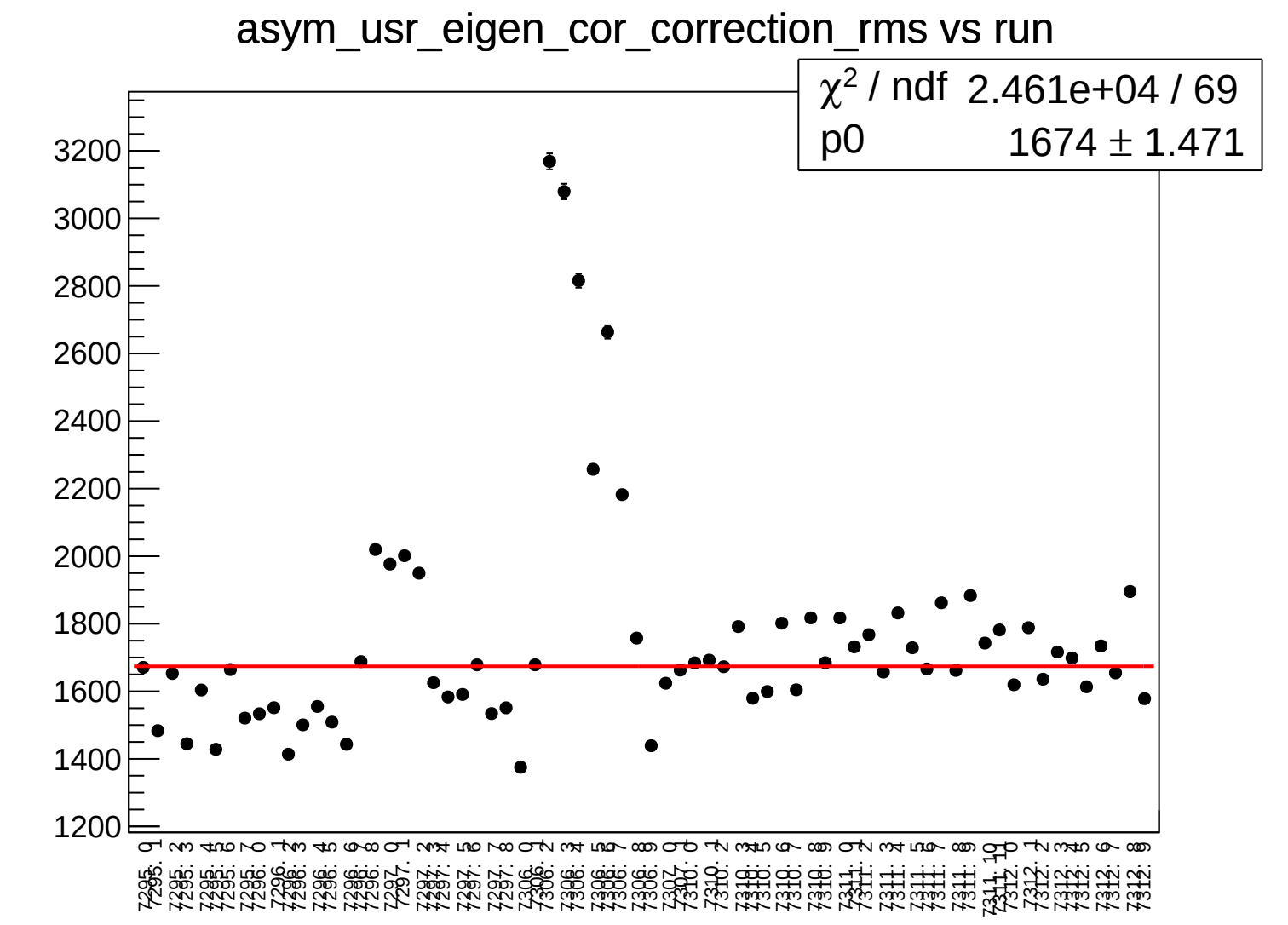

eigen_cor_asym_usr_mean vs run
χ² / ndf 68.47 / 69
p0 −3885 ± 1344
pull
Entries 70
Mean −133.9
Std Dev 0

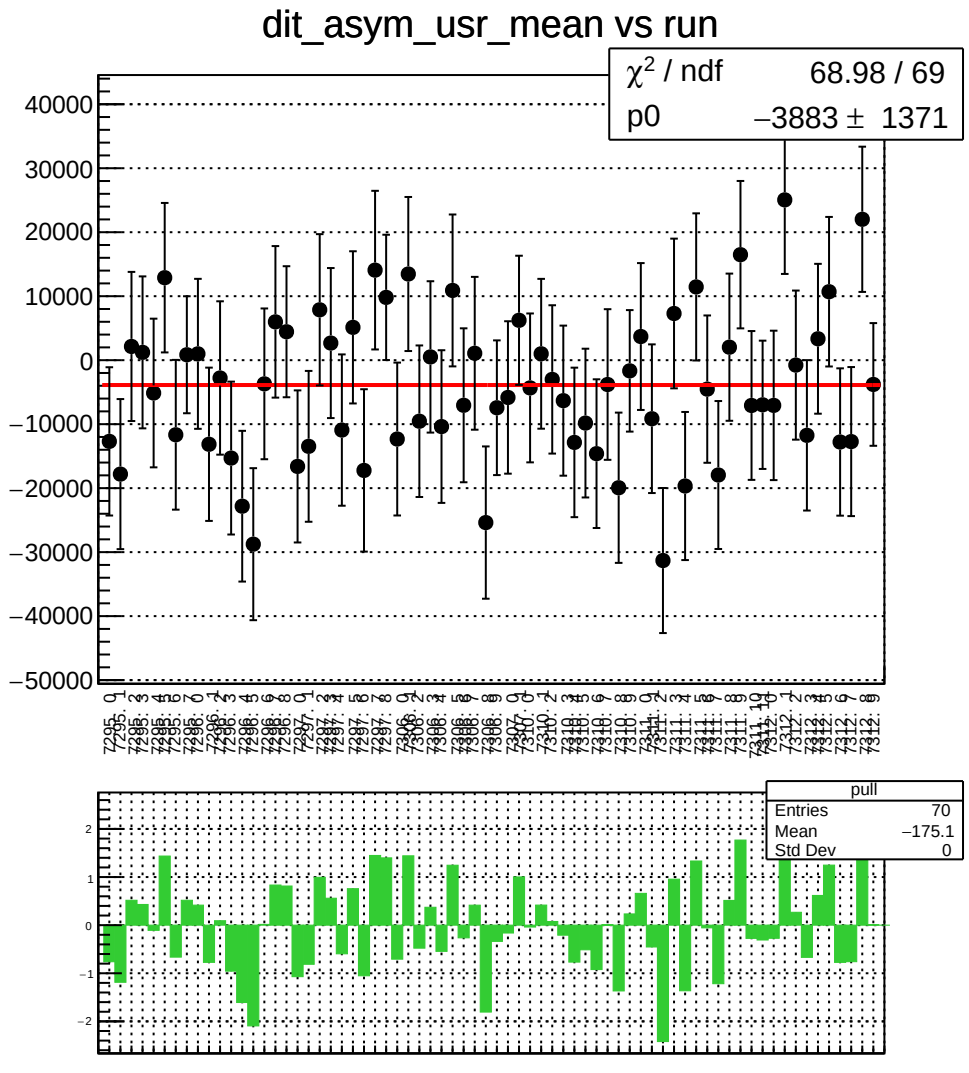

pull1D
Entries 70
Mean −0.01352
Std Dev 0.9889

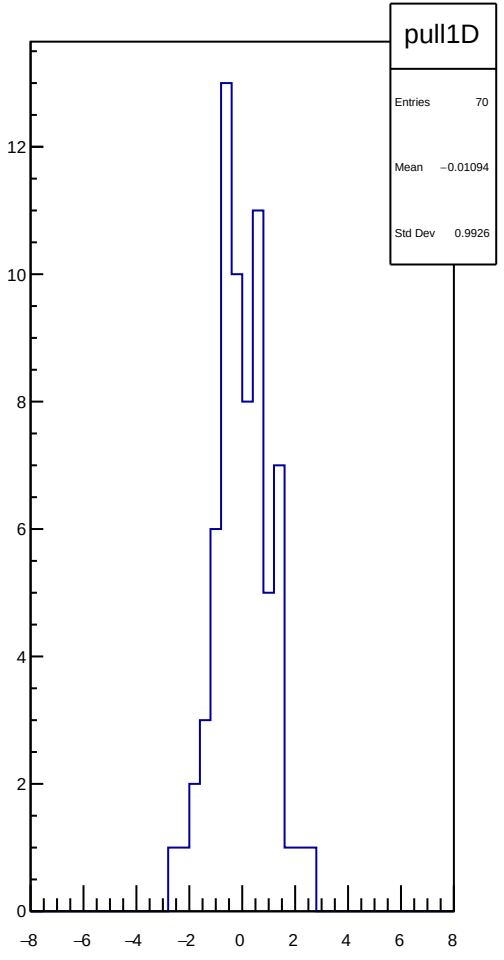

eigen_cor_asym_usr_rms vs run
χ² / ndf 112.8 / 69
p0 1091 ± 0.9504
1120
1110
1100
1090
1080
1070
1060

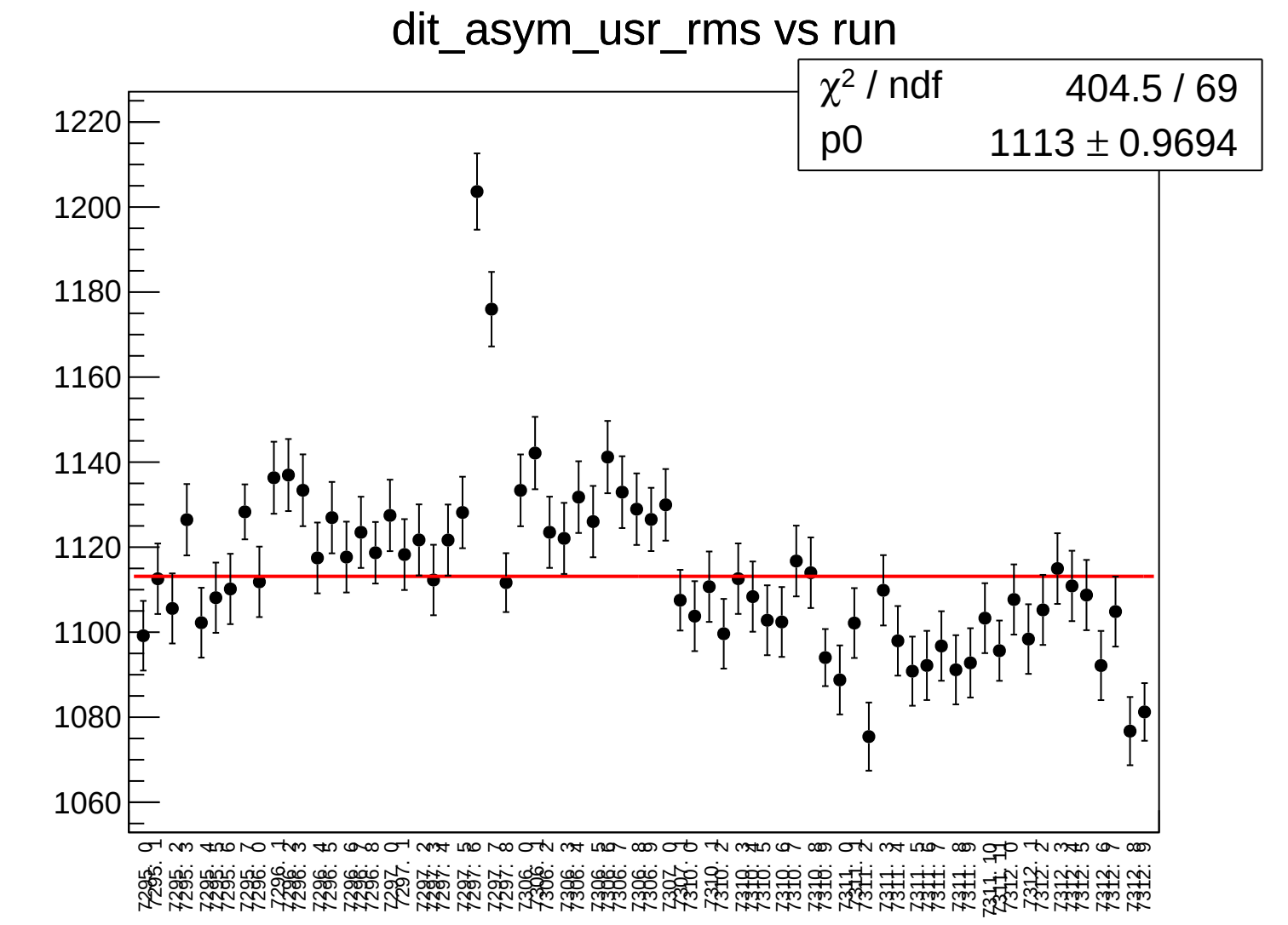

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 59.64 / 69
p0 313.5 ± 2081
pull
Entries 70
Mean −210.5
Std Dev 0

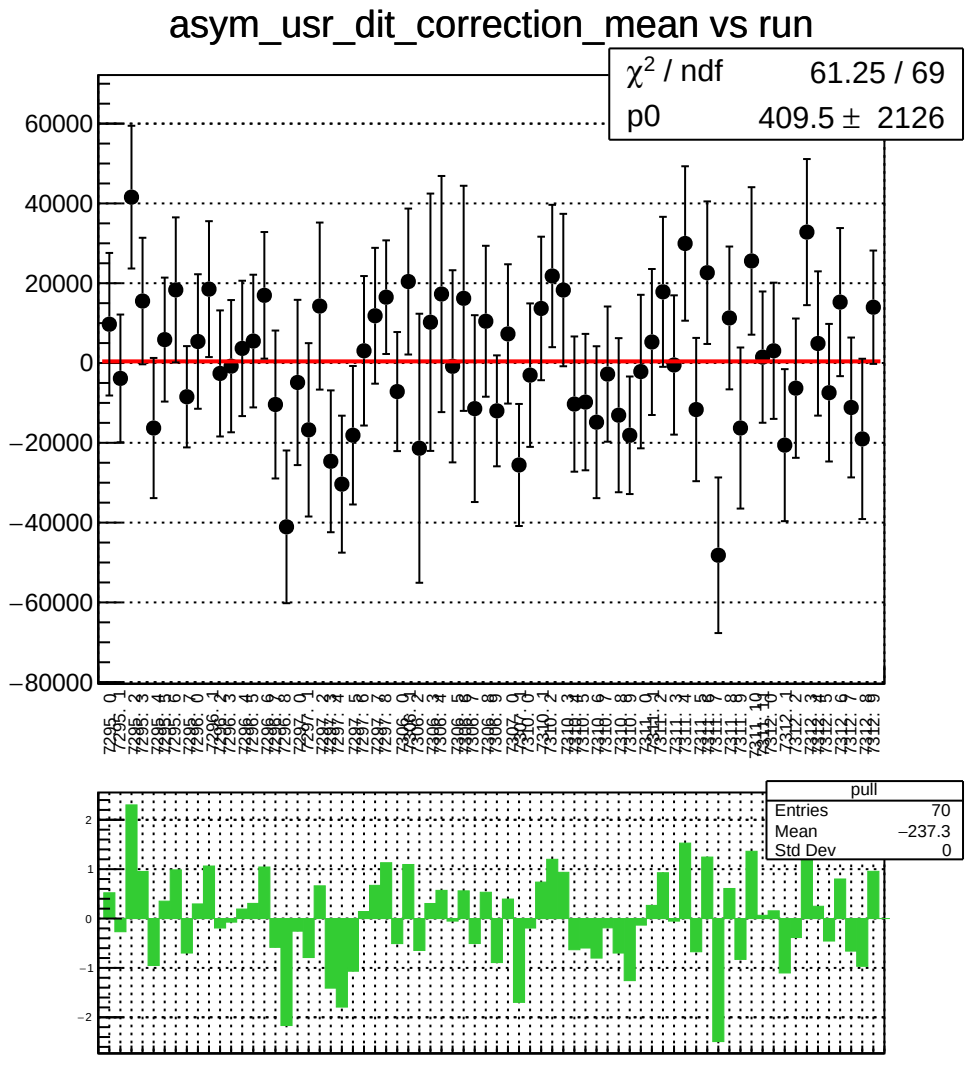

pull1D
Entries 70
Mean 0.003479
Std Dev 0.923

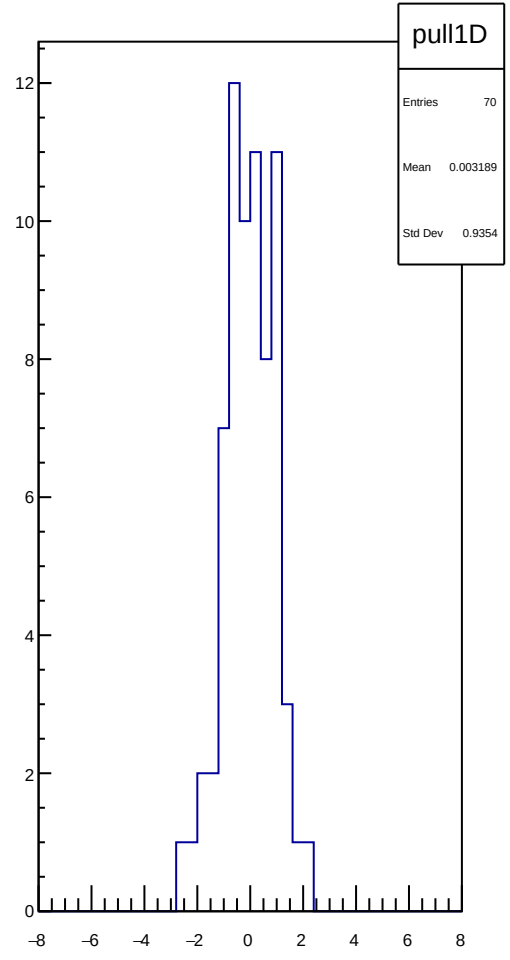

asym_usr_eigen_cor_correction_rms vs run
χ^2 / ndf 2.461e+04 / 69
p0 1674 ± 1.471
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

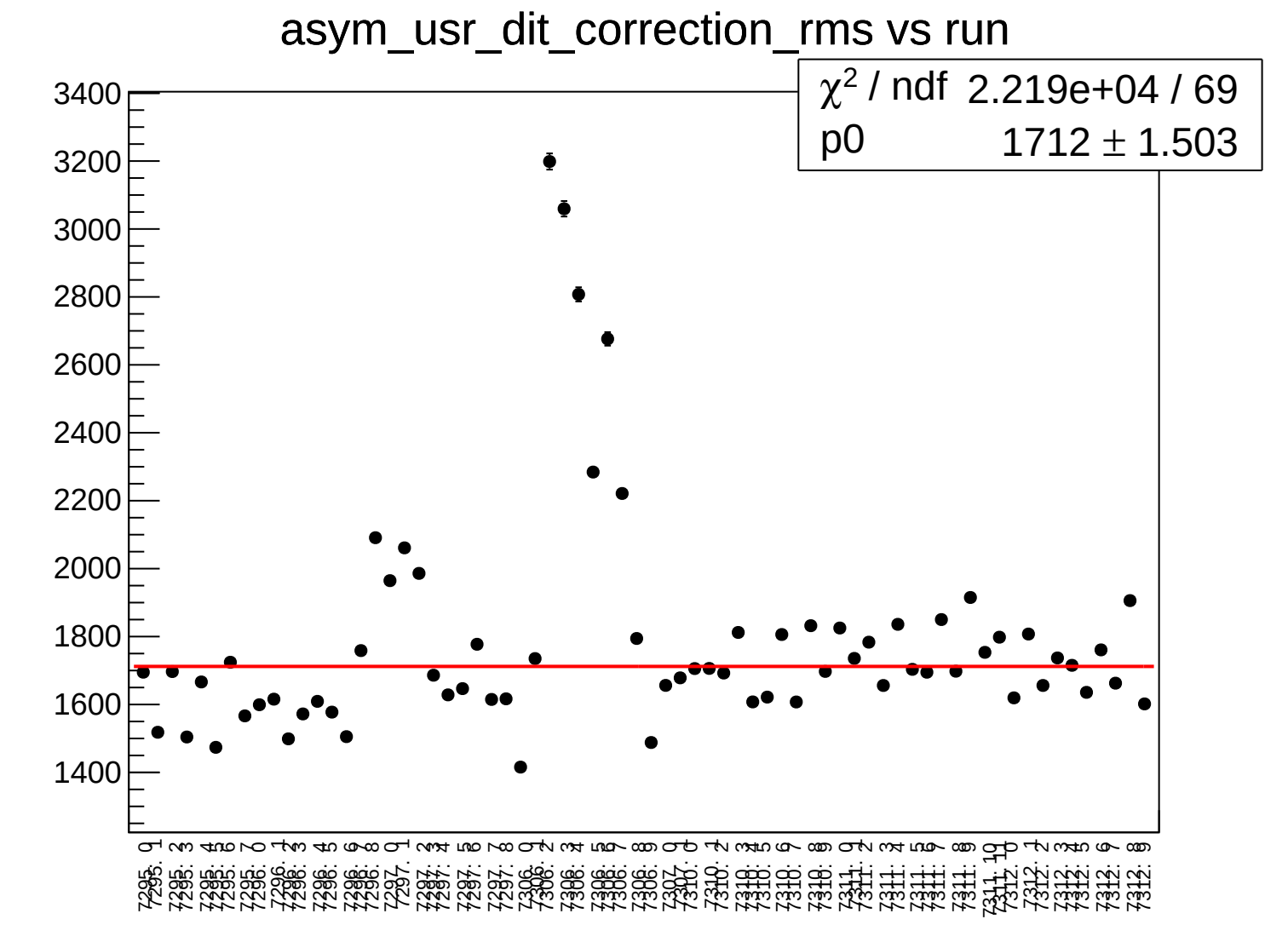

dit_asym_usr_mean vs run
χ² / ndf 68.98 / 69
p0 −3883 ± 1371
pull
Entries 70
Mean −175.1
Std Dev 0

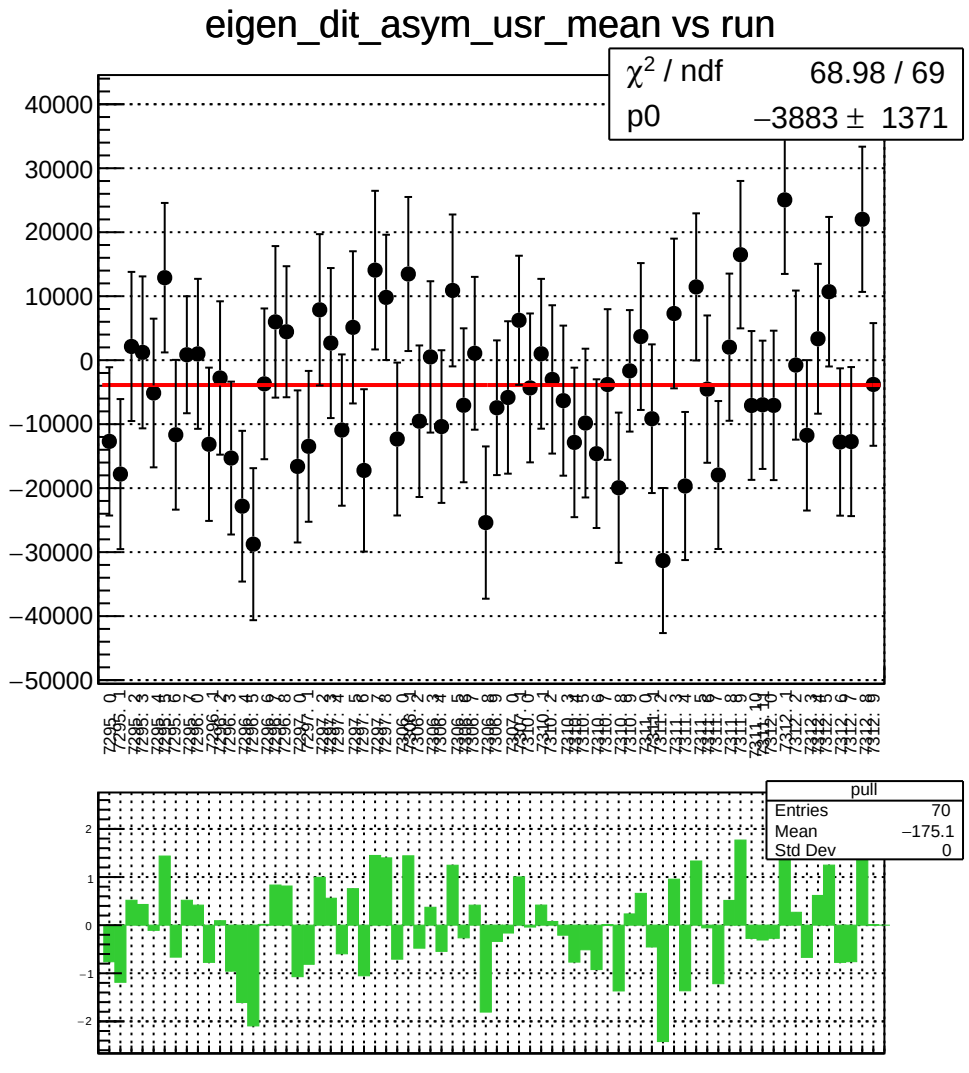

pull1D
Entries 70
Mean −0.01094
Std Dev 0.9926

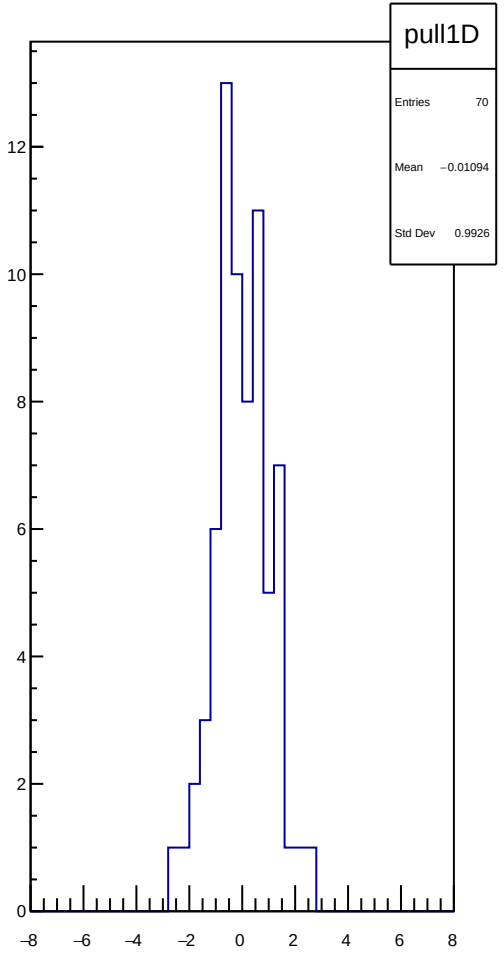

dit_asym_usr_rms vs run
χ² / ndf 404.5 / 69
p0 1113 ± 0.9694
1220
1200
1180
1160
1140
1120
1100
1080
1060

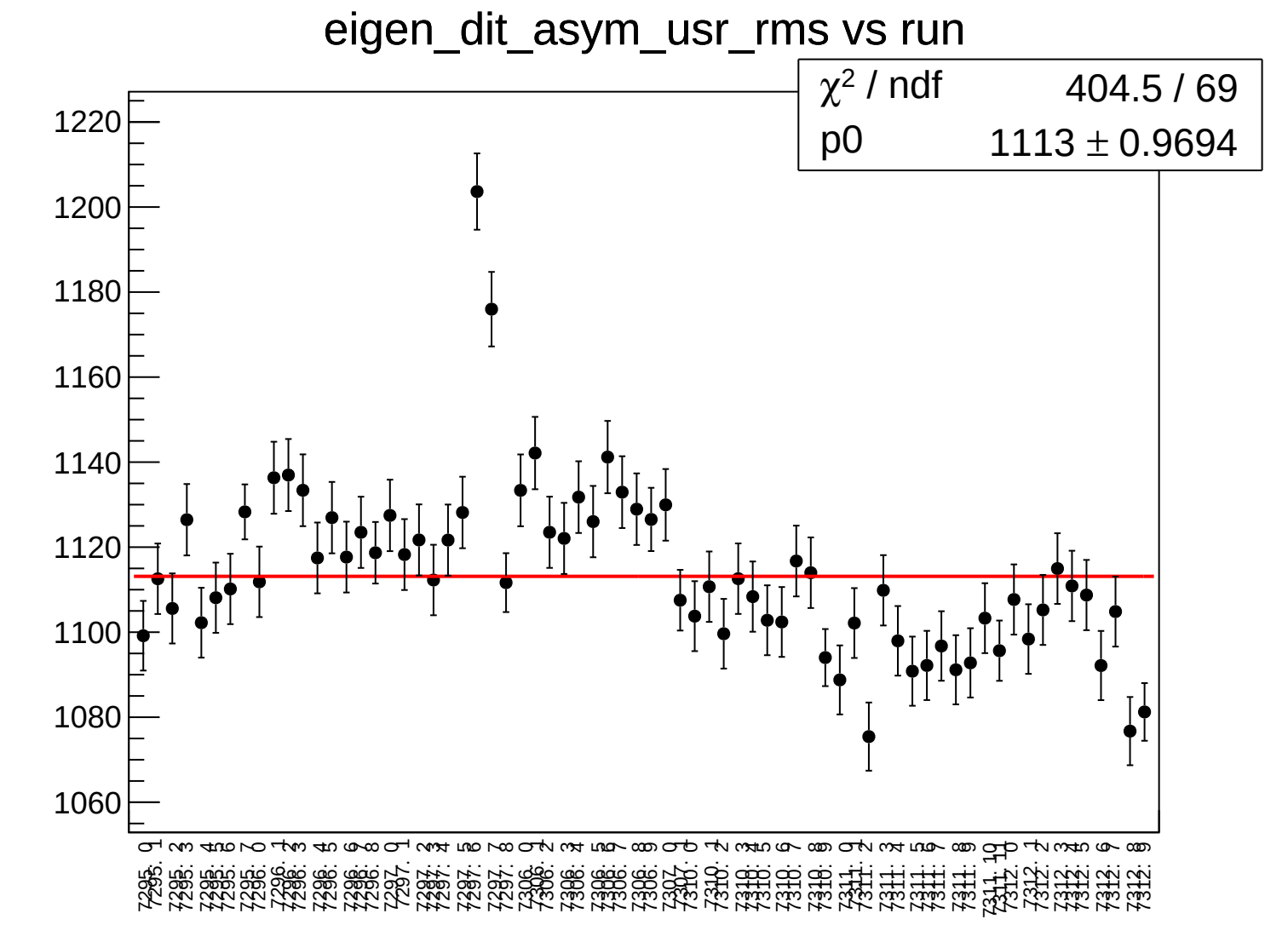

asym_usr_dit_correction_mean vs run
χ² / ndf 61.25 / 69
p0 409.5 ± 2126
pull
Entries 70
Mean −237.3
Std Dev 0

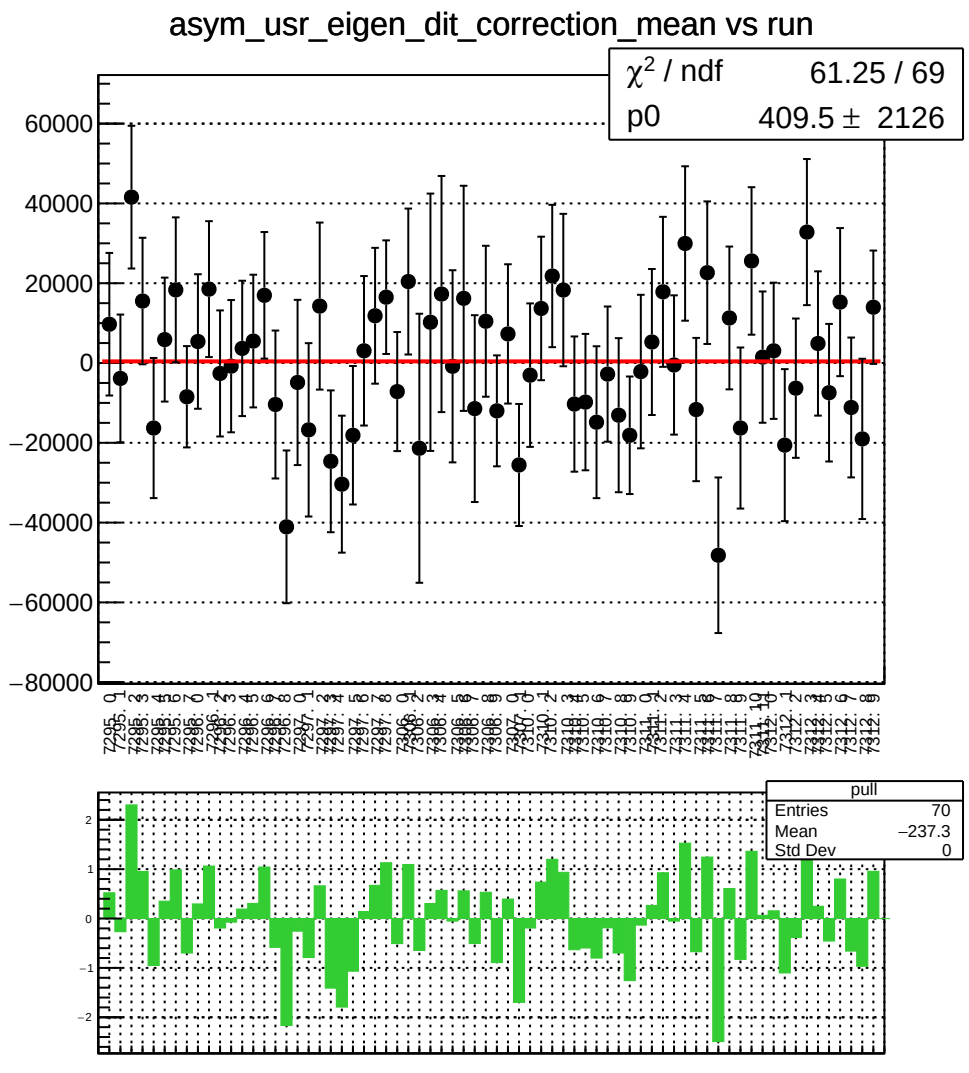

pull1D
Entries 70
Mean 0.003189
Std Dev 0.9354

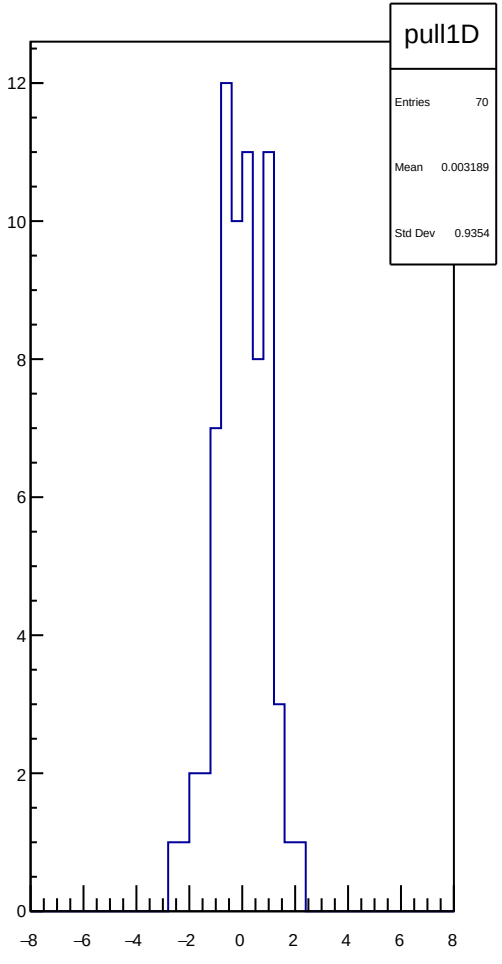

asym_usr_dit_correction_rms vs run
χ² / ndf 2.219e+04 / 69
p0 1712 ± 1.503
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

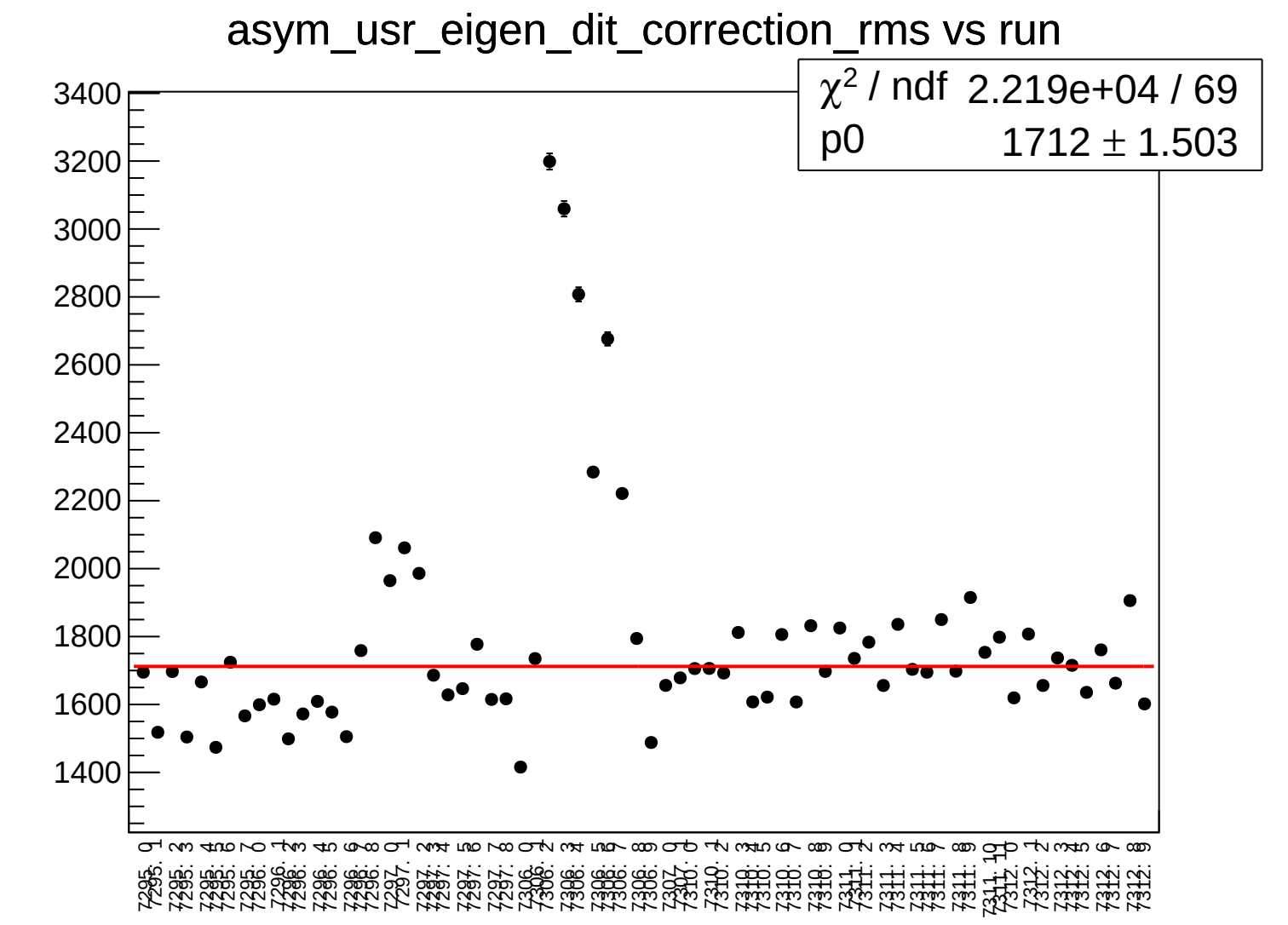

eigen_dit_asym_usr_mean vs run
χ² / ndf 68.98 / 69
p0 −3883 ± 1371
pull
Entries 70
Mean −175.1
Std Dev 0

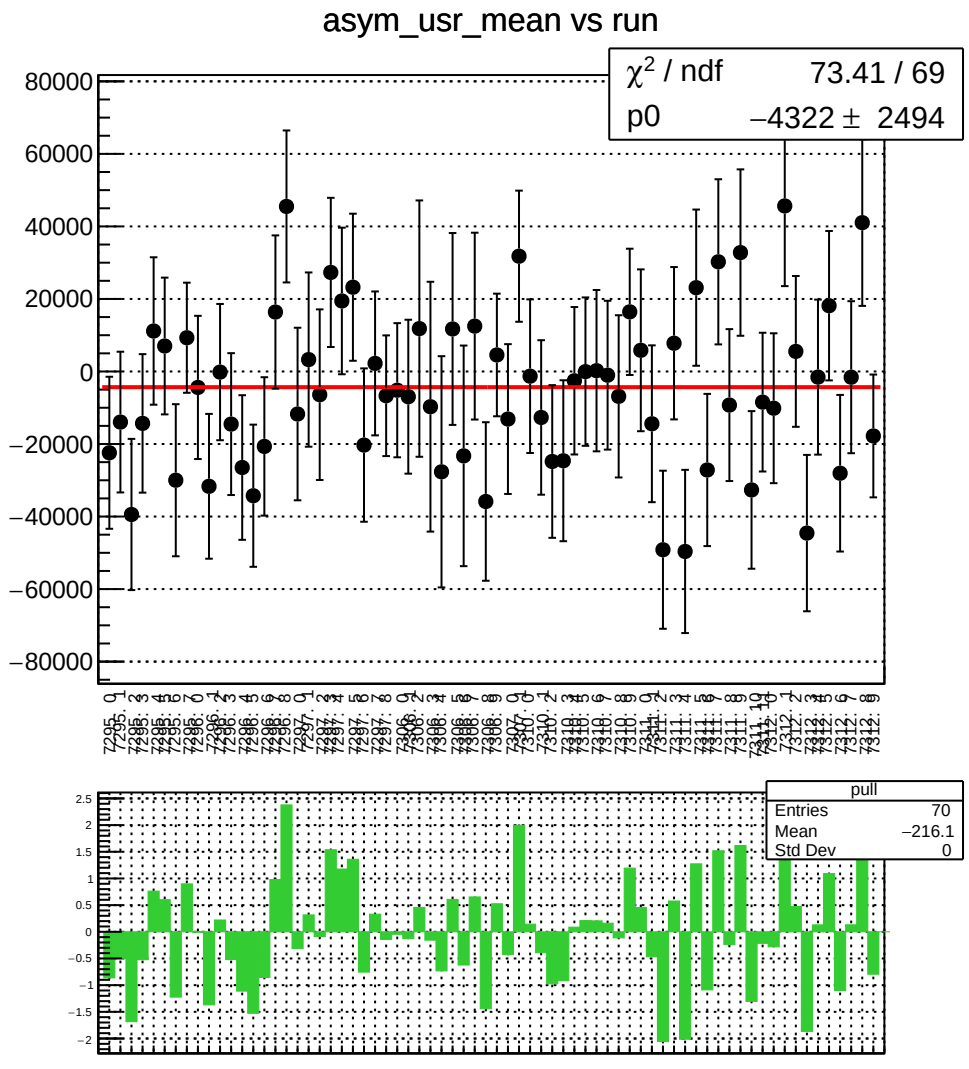

pull1D
Entries 70
Mean −0.01094
Std Dev 0.9926

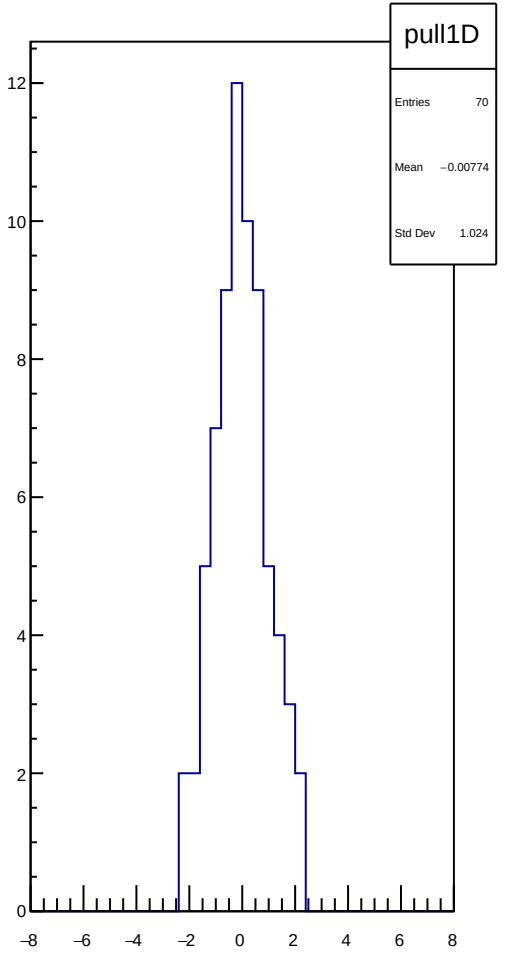

eigen_dit_asym_usr_rms vs run
χ² / ndf 404.5 / 69
p0 1113 ± 0.9694
1220
1200
1180
1160
1140
1120
1100
1080
1060

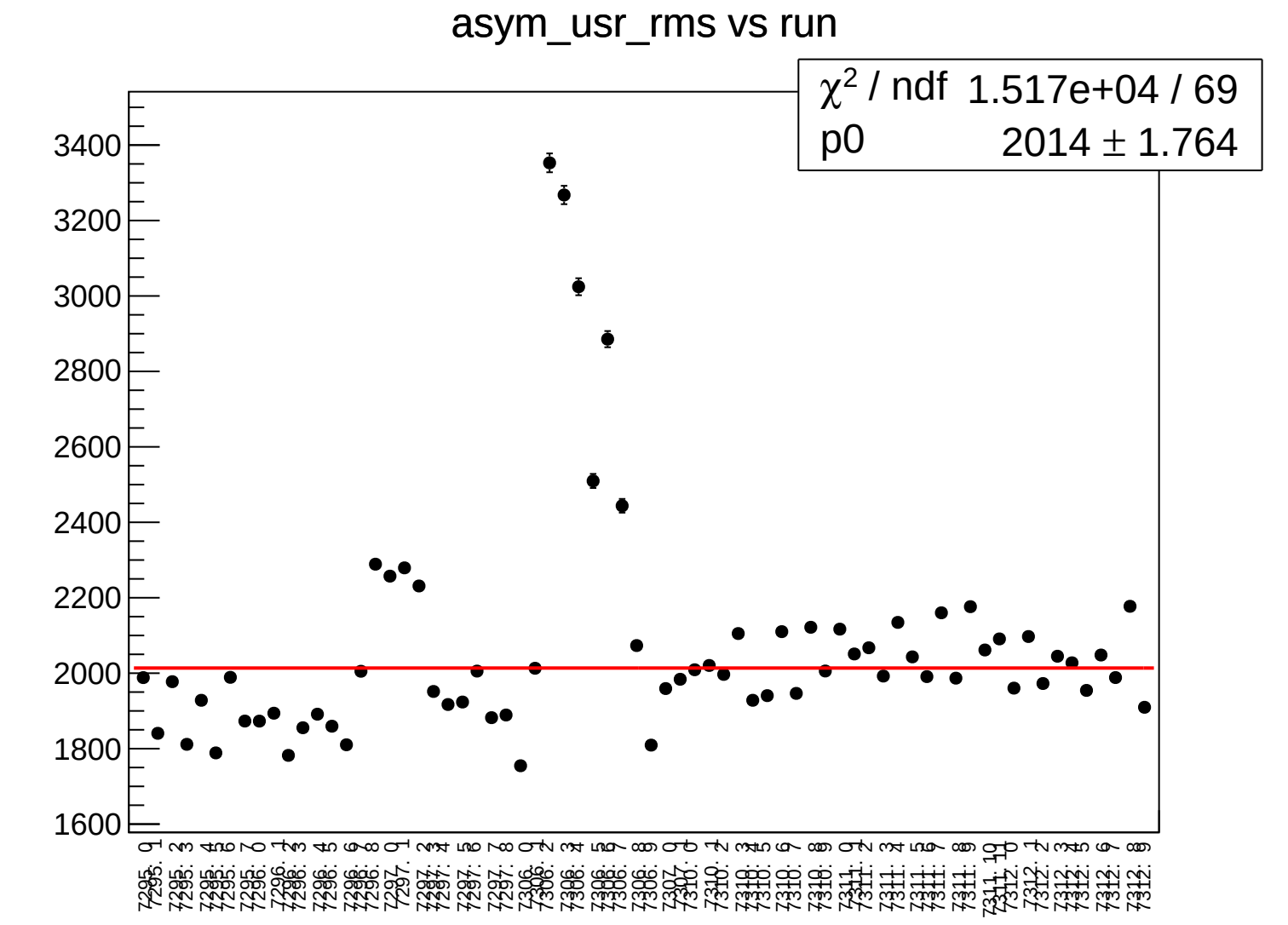

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 61.25 / 69
p0 409.5 ± 2126
pull
Entries 70
Mean −237.3
Std Dev 0

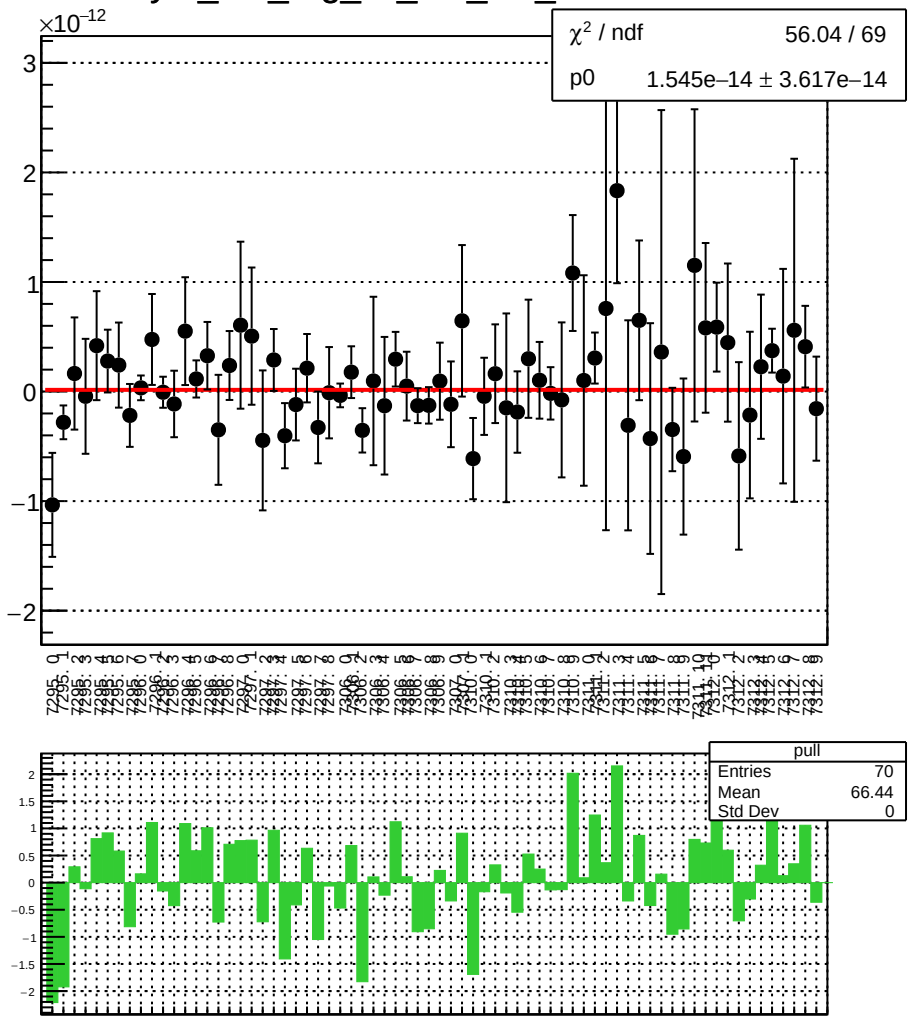

pull1D
Entries 70
Mean 0.003189
Std Dev 0.9354

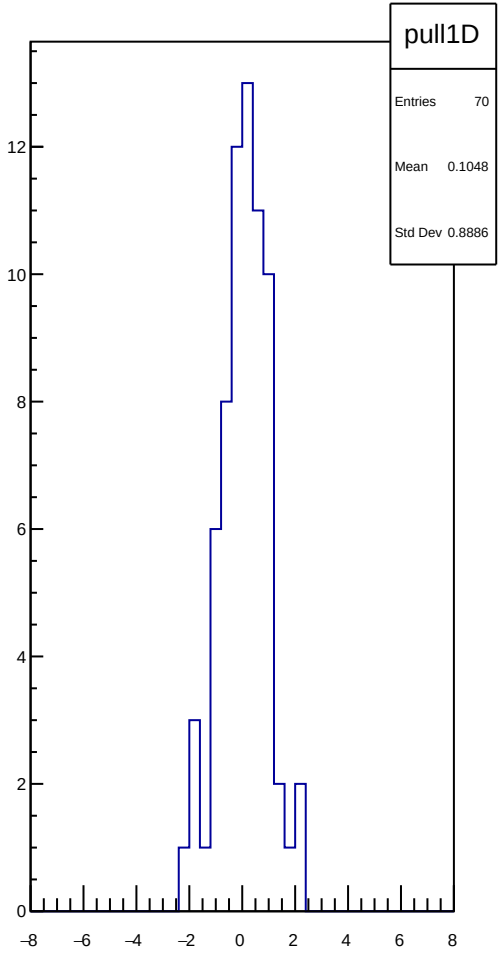

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2.219e+04 / 69
p0 1712 ± 1.503
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

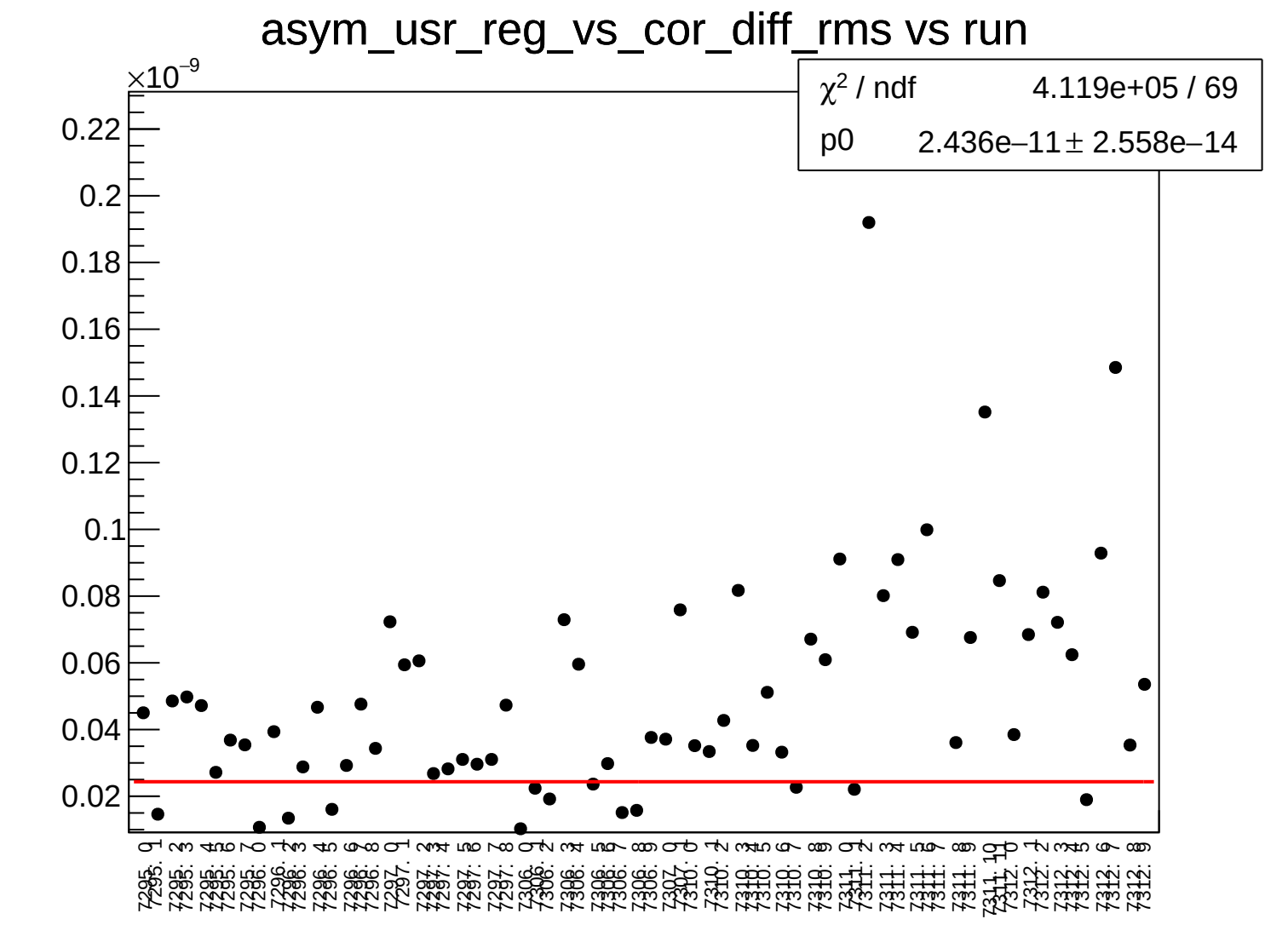

asym_usr_mean vs run
χ² / ndf 73.41 / 69
p0 −4322 ± 2494
pull
Entries 70
Mean −216.1
Std Dev 0

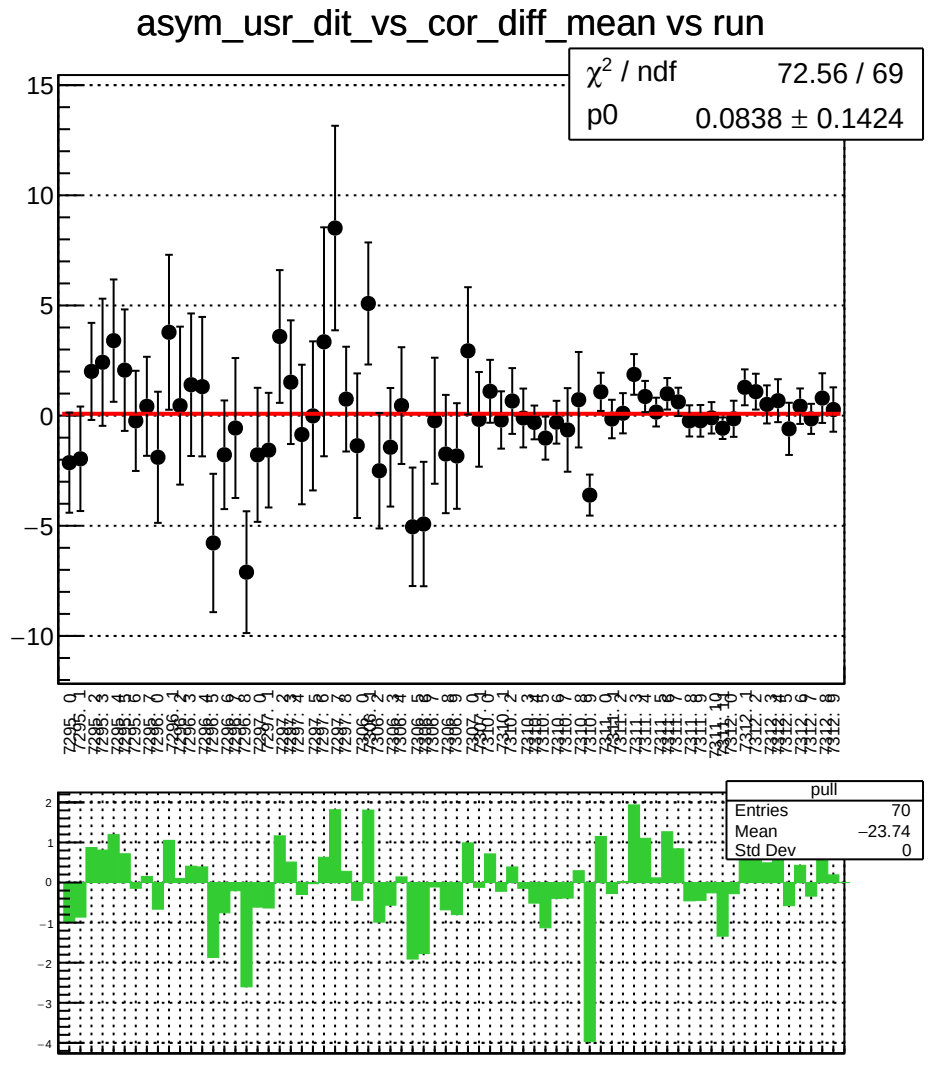

pull1D
Entries 70
Mean −0.00774
Std Dev 1.024

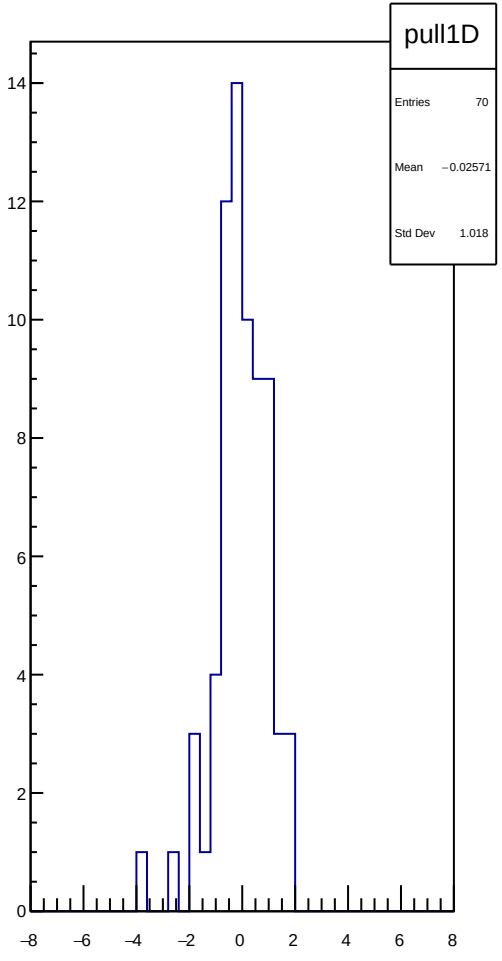

asym_usr_rms vs run
χ^2 / ndf 1.517e+04 / 69
p0 2014 ± 1.764
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

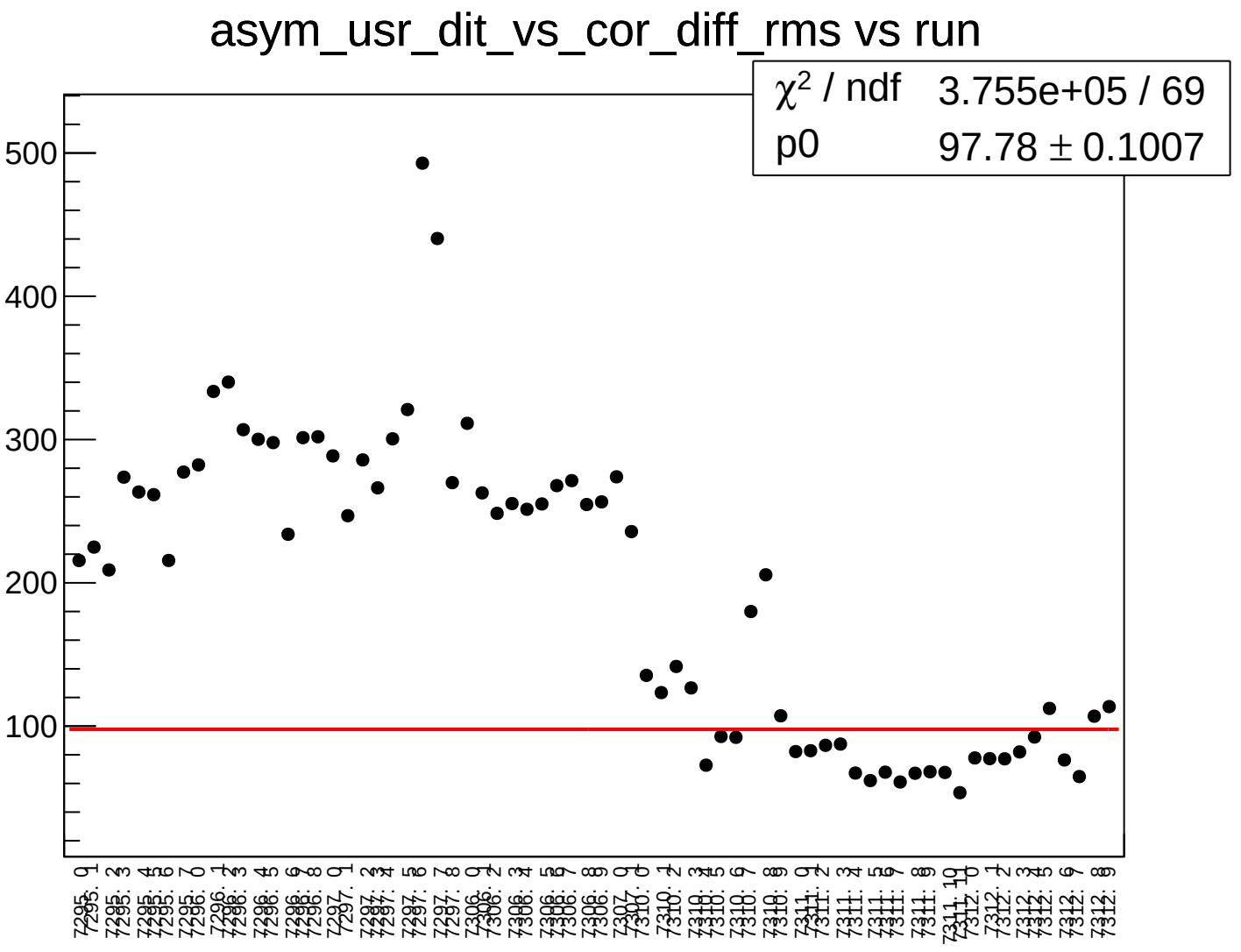

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.04 / 69
p0 1.545e−14 ± 3.617e−14
pull
Entries 70
Mean 66.44
Std Dev 0

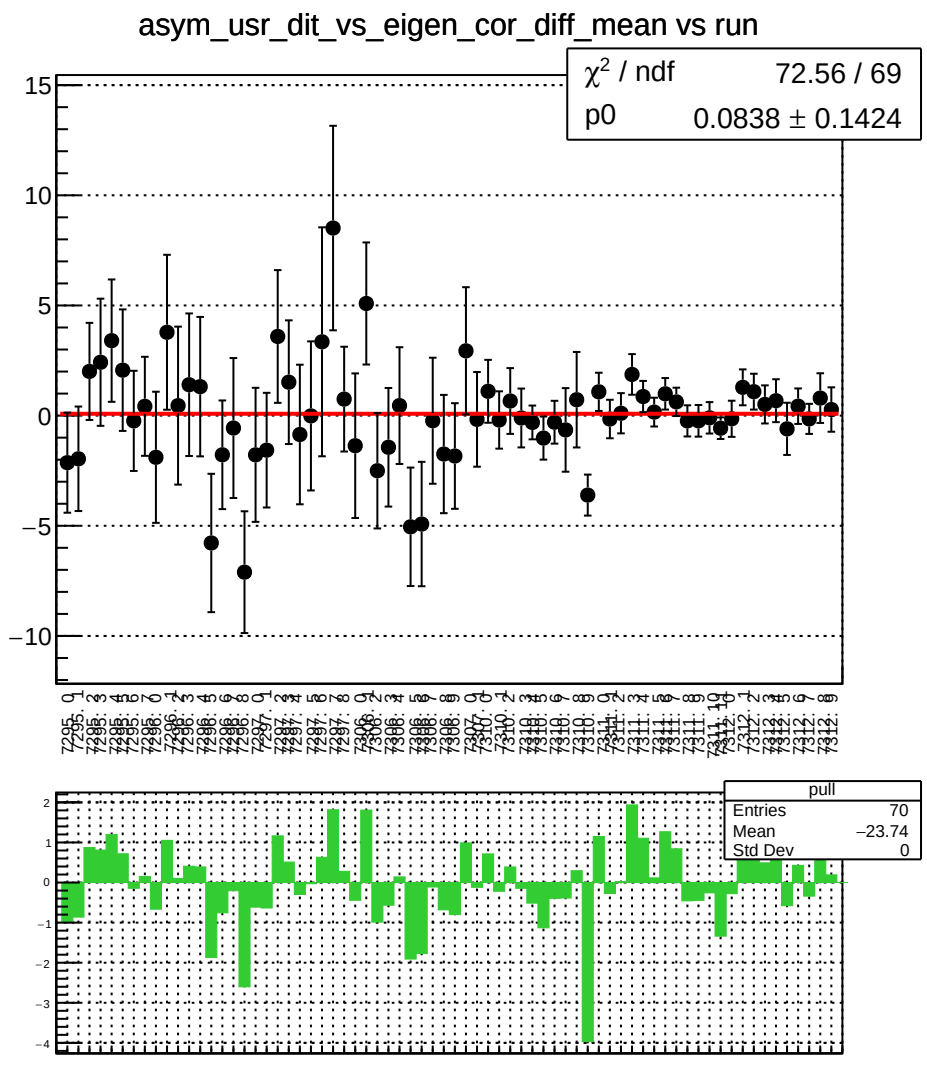

pull1D
Entries 70
Mean 0.1048
Std Dev 0.8886

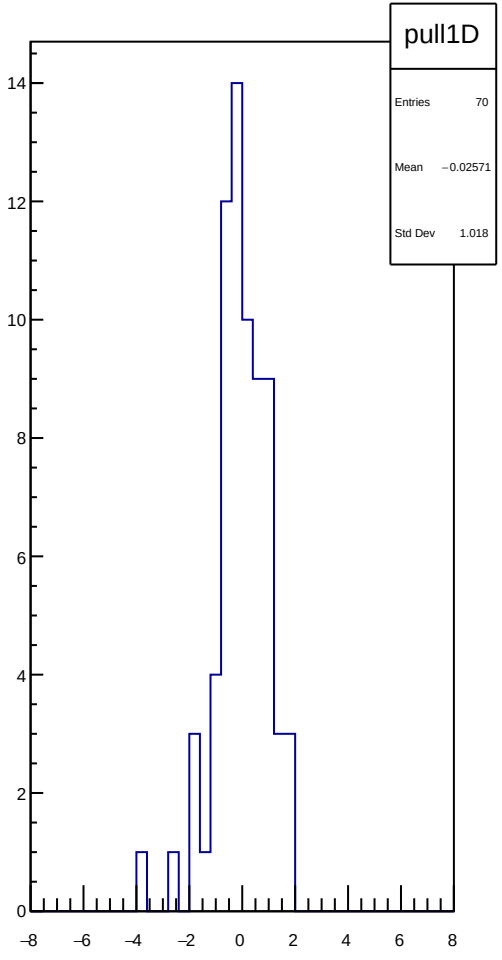

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.119e+05 / 69
p0 2.436e−11 ± 2.558e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

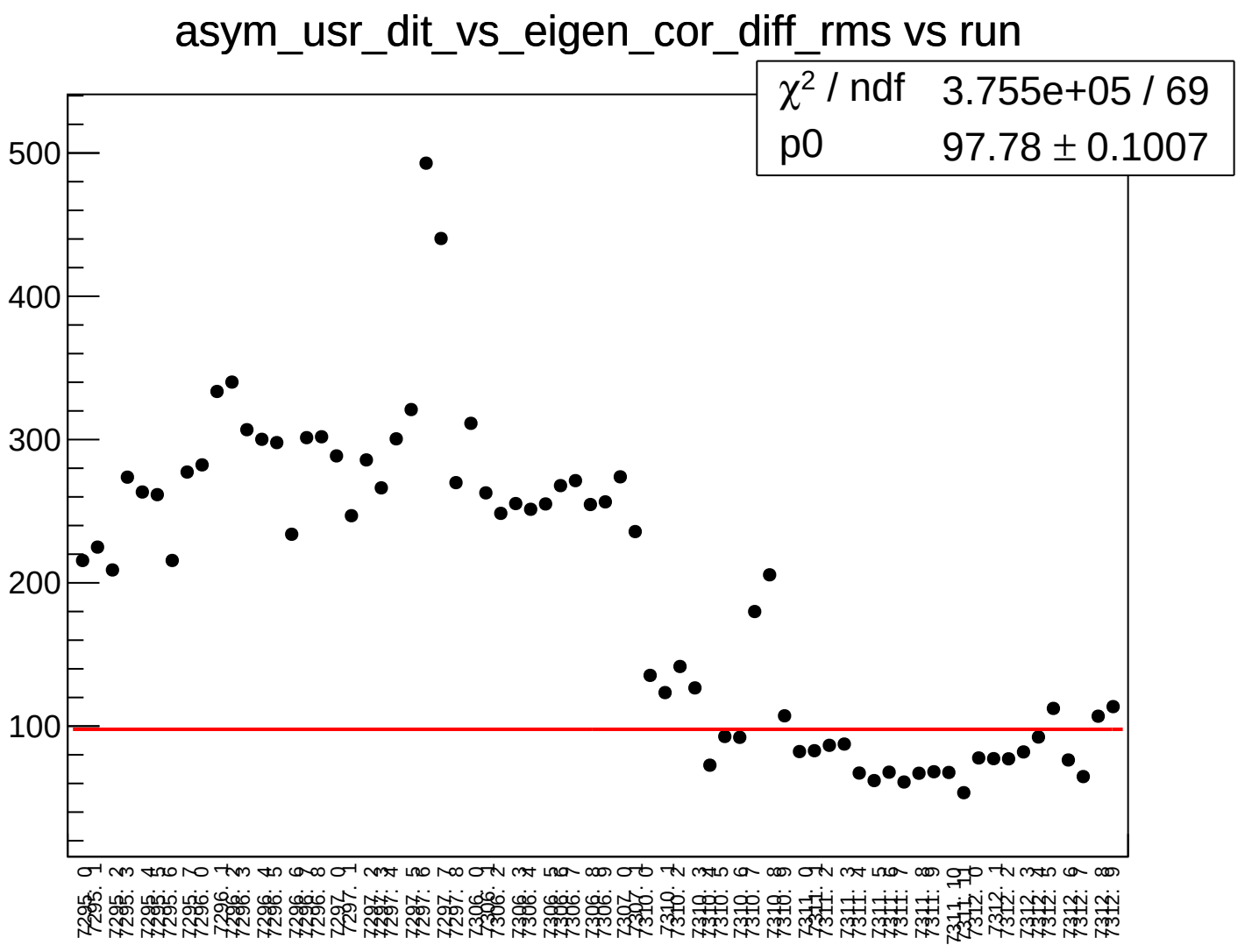

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 72.56 / 69
p0 0.0838 ± 0.1424
pull
Entries 70
Mean −23.74
Std Dev 0

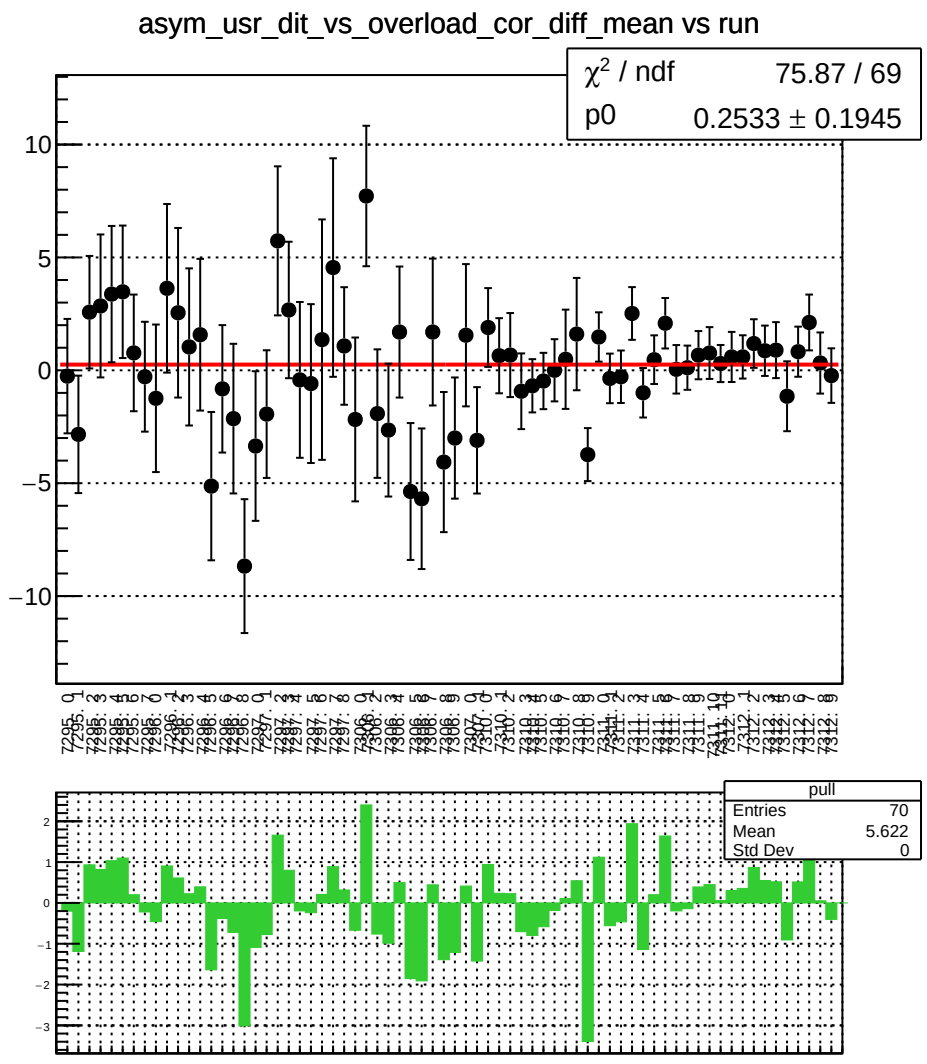

pull1D
Entries 70
Mean −0.02571
Std Dev 1.018

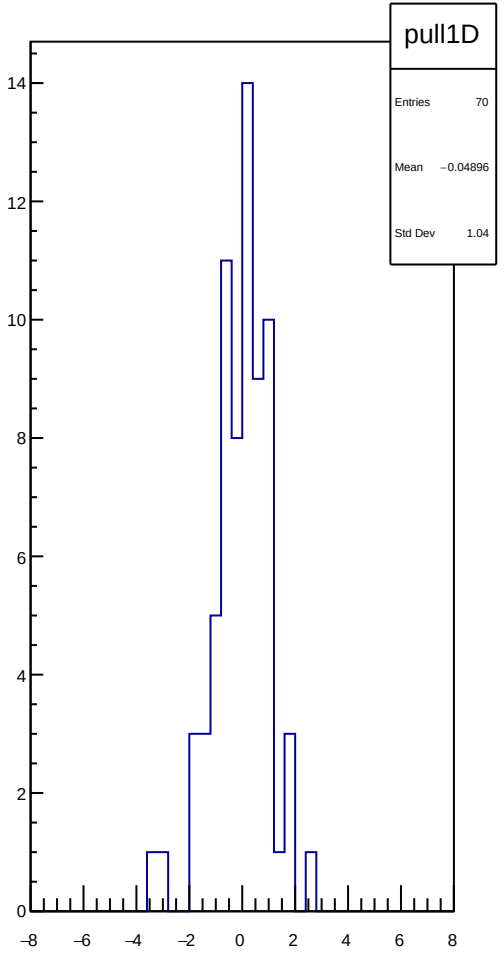

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 3.755e+05 / 69
p0 97.78 ± 0.1007
500
400
300
200
100

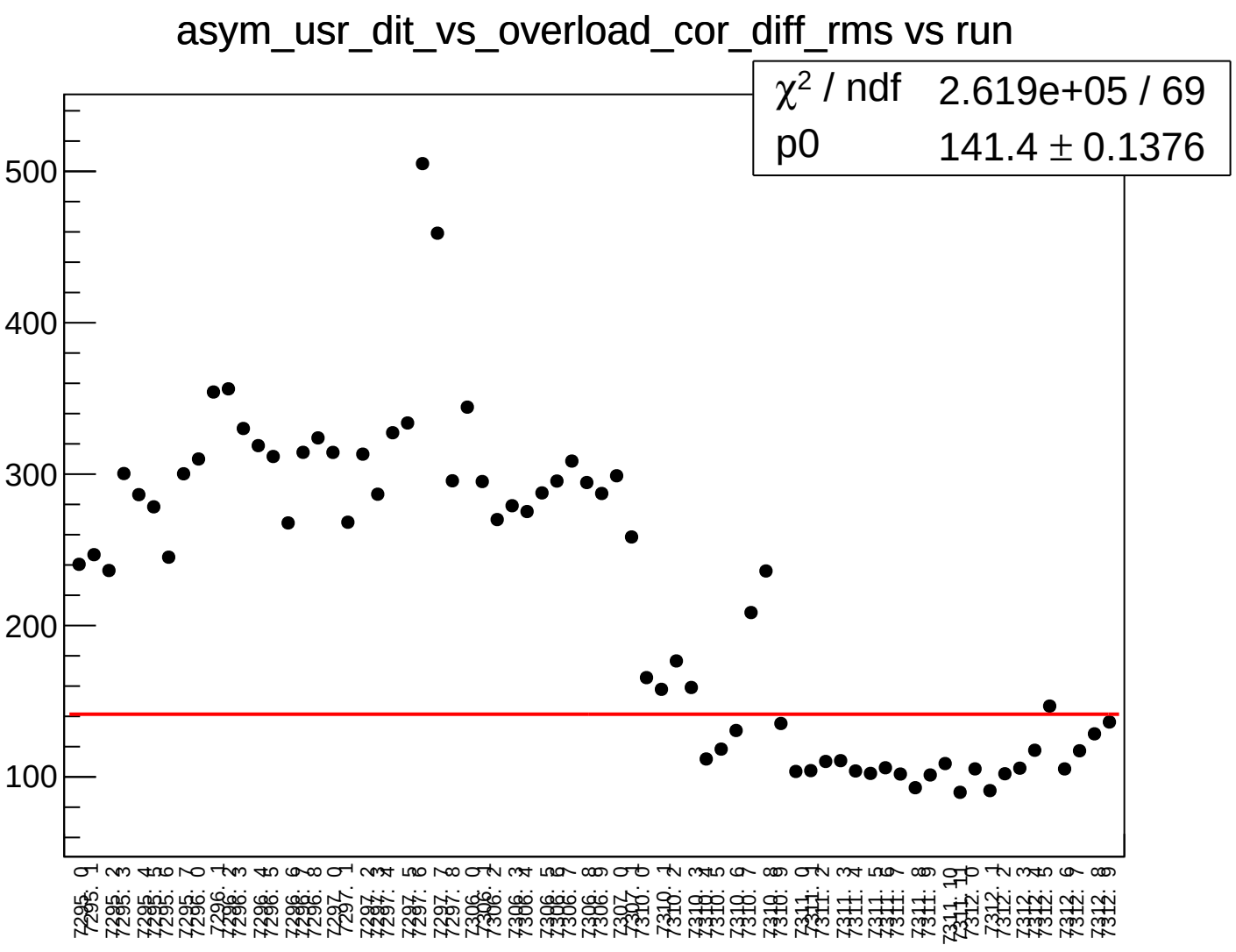

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.56 / 69
p0 0.0838 ± 0.1424
pull
Entries 70
Mean −23.74
Std Dev 0

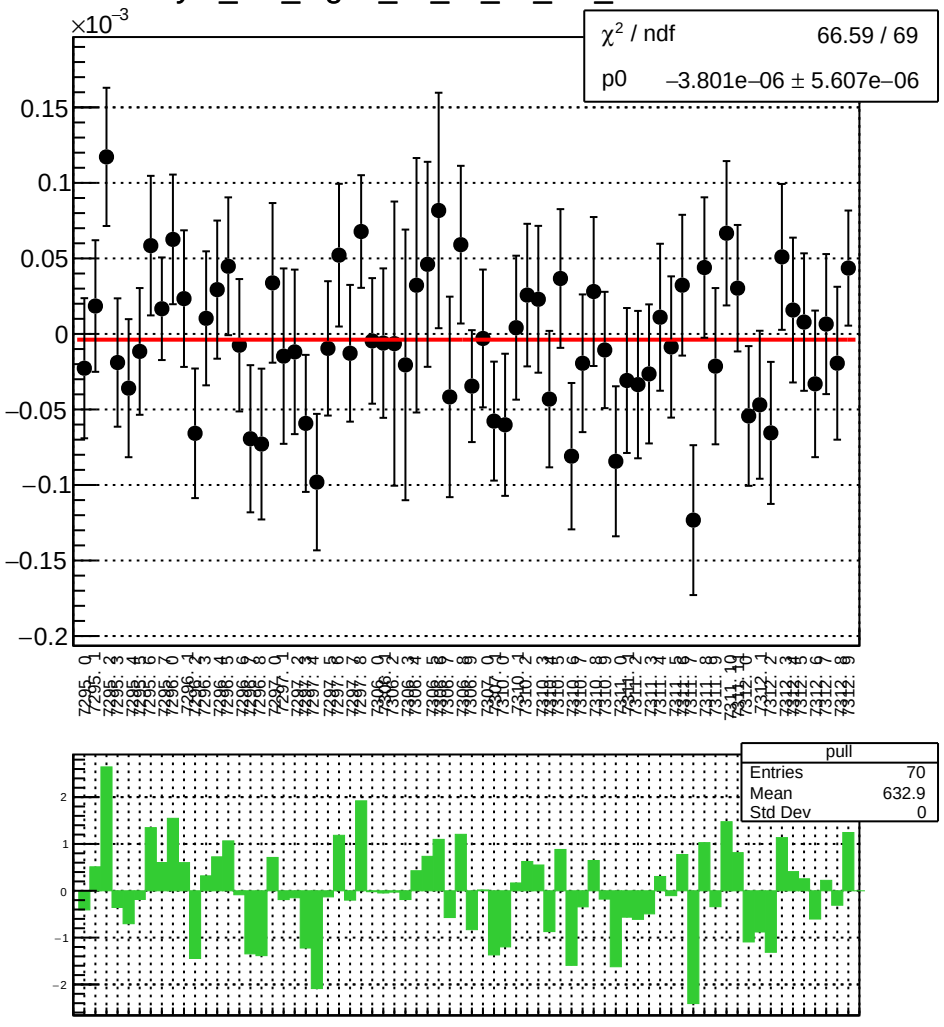

pull1D
Entries 70
Mean −0.02571
Std Dev 1.018

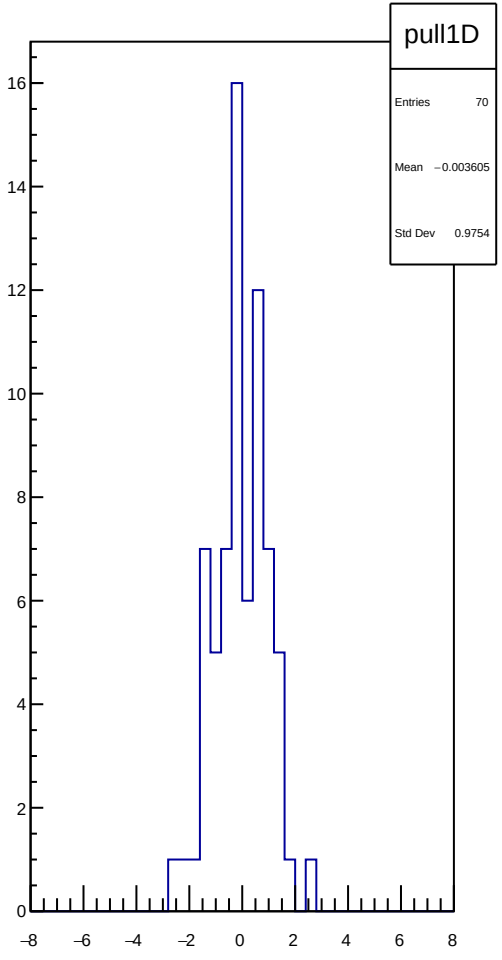

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.755e+05 / 69
p0 97.78 ± 0.1007
500
400
300
200
100

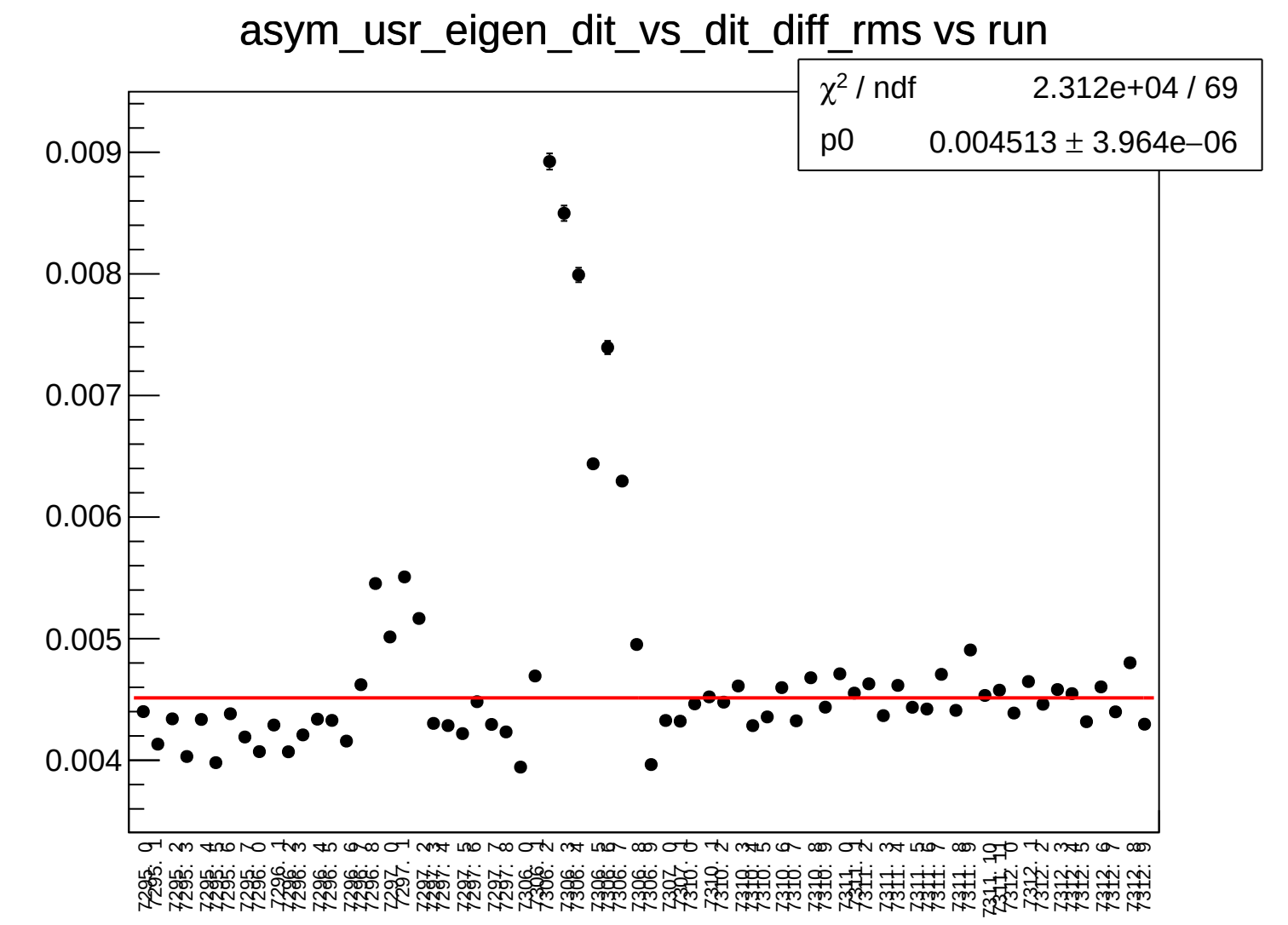

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 75.87 / 69
p0 0.2533 ± 0.1945
pull
Entries 70
Mean 5.622
Std Dev 0

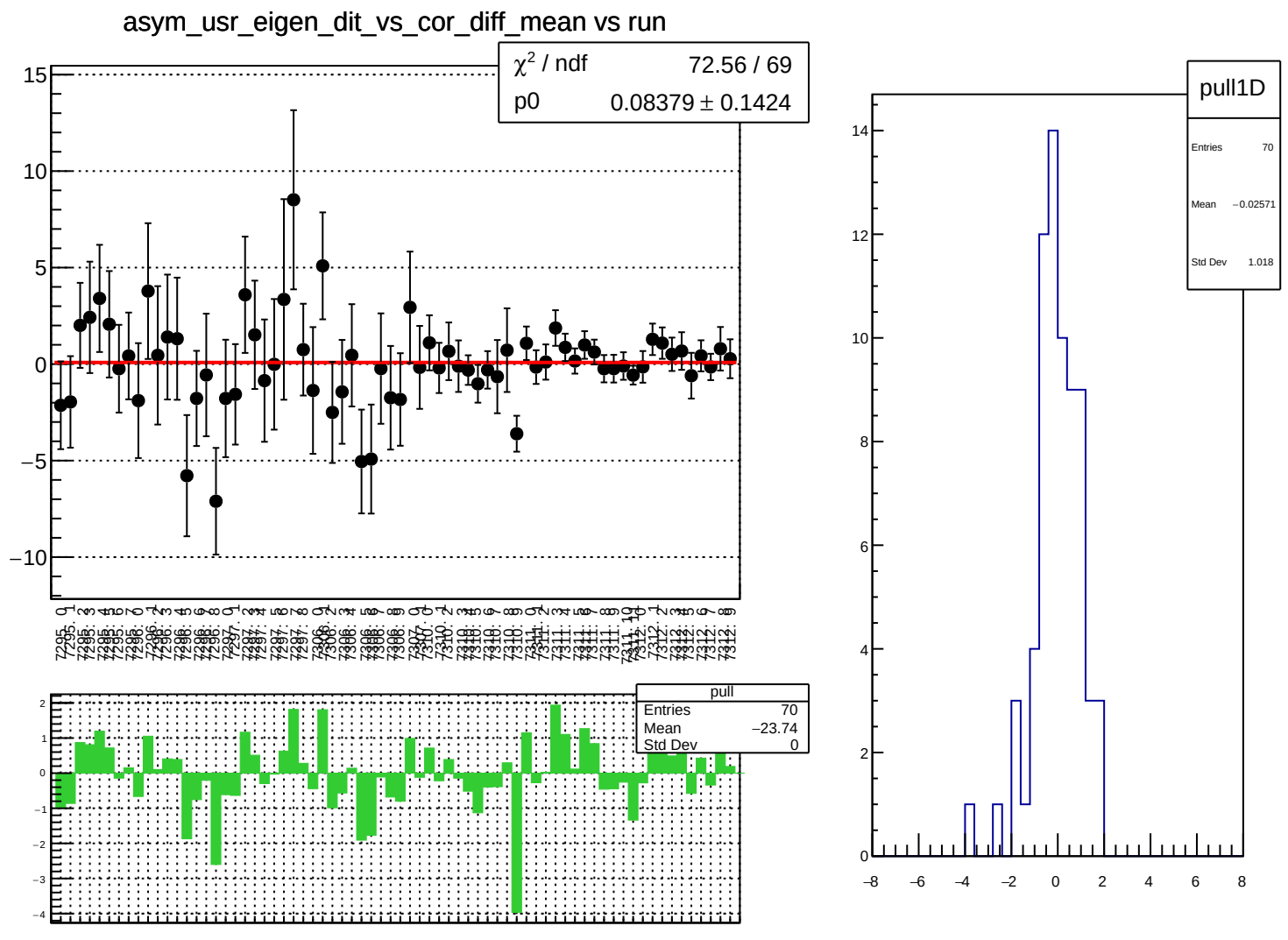

pull1D
Entries 70
Mean −0.04896
Std Dev 1.04

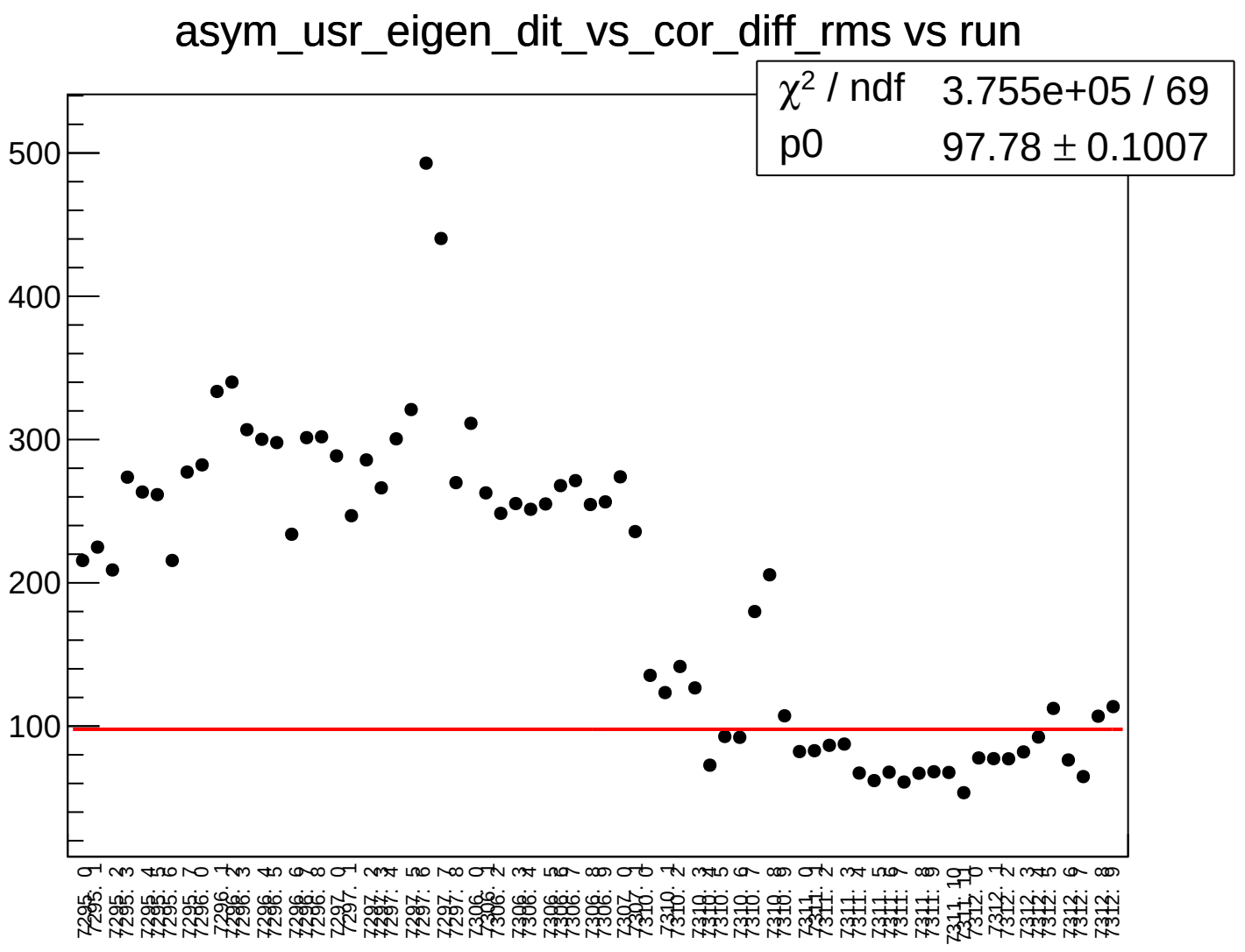

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.619e+05 / 69
p0 141.4 ± 0.1376
500
400
300
200
100

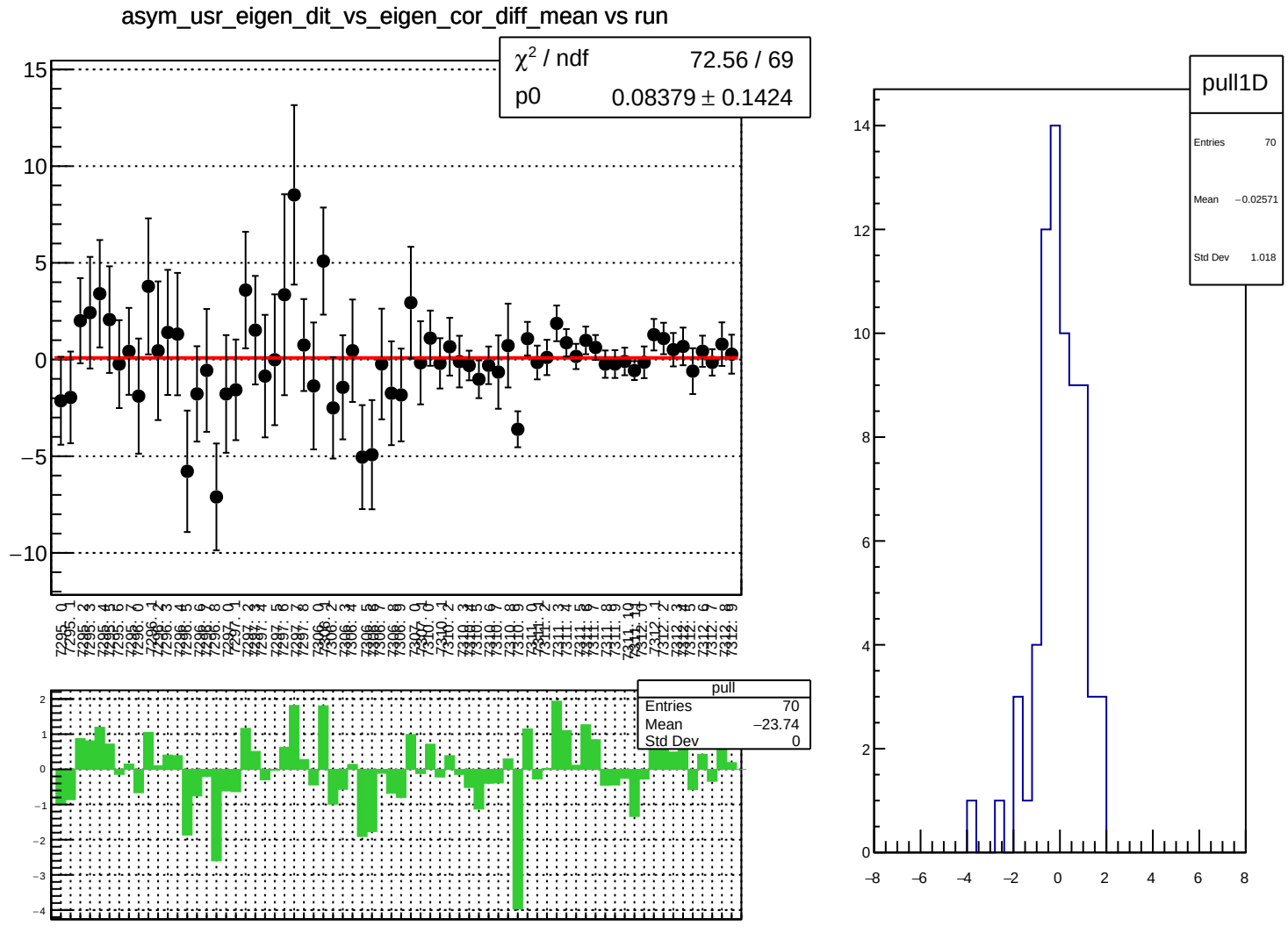

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.59 / 69
p0 −3.801e−06 ± 5.607e−06
pull
Entries 70
Mean 632.9
Std Dev 0

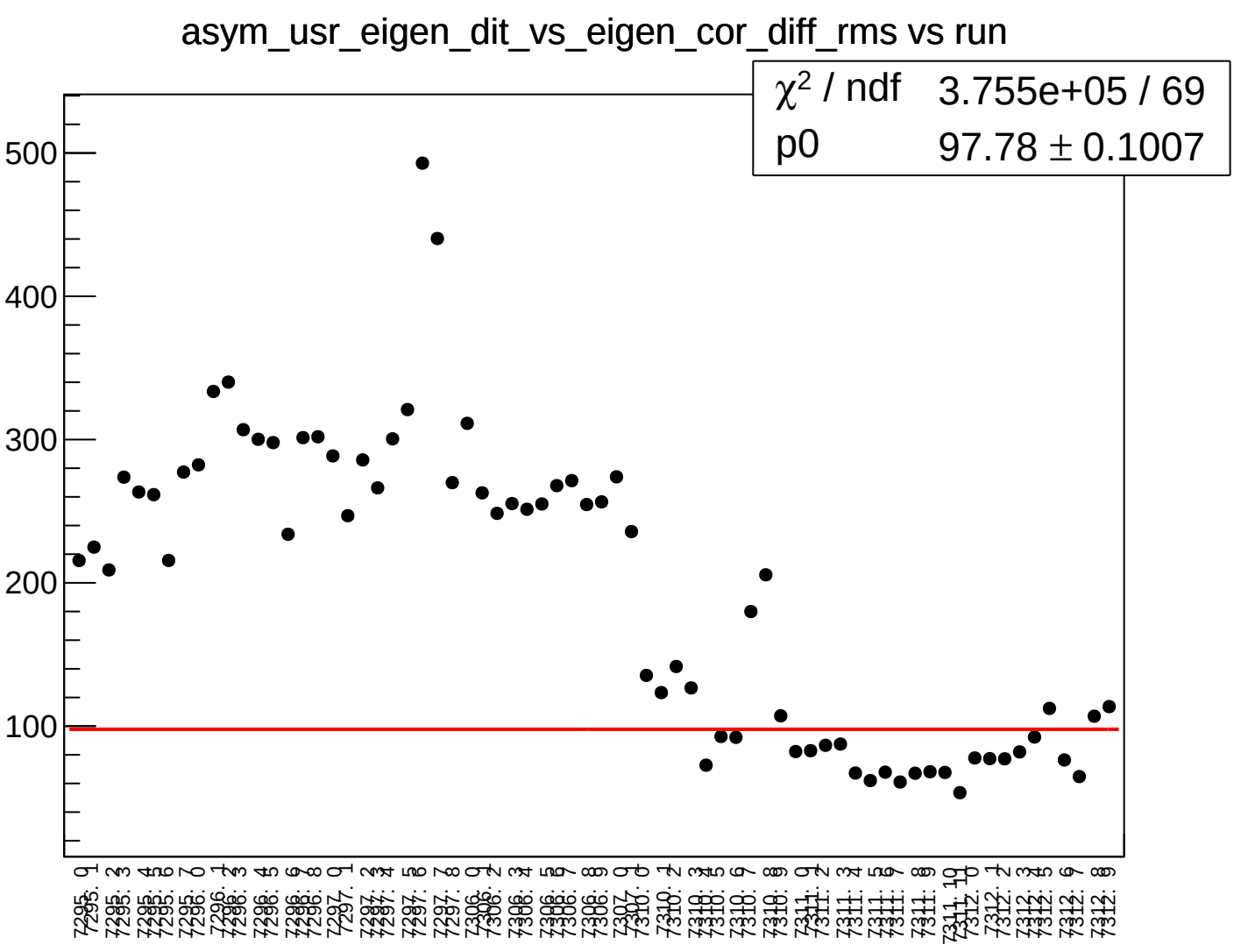

pull1D
Entries 70
Mean −0.003605
Std Dev 0.9754

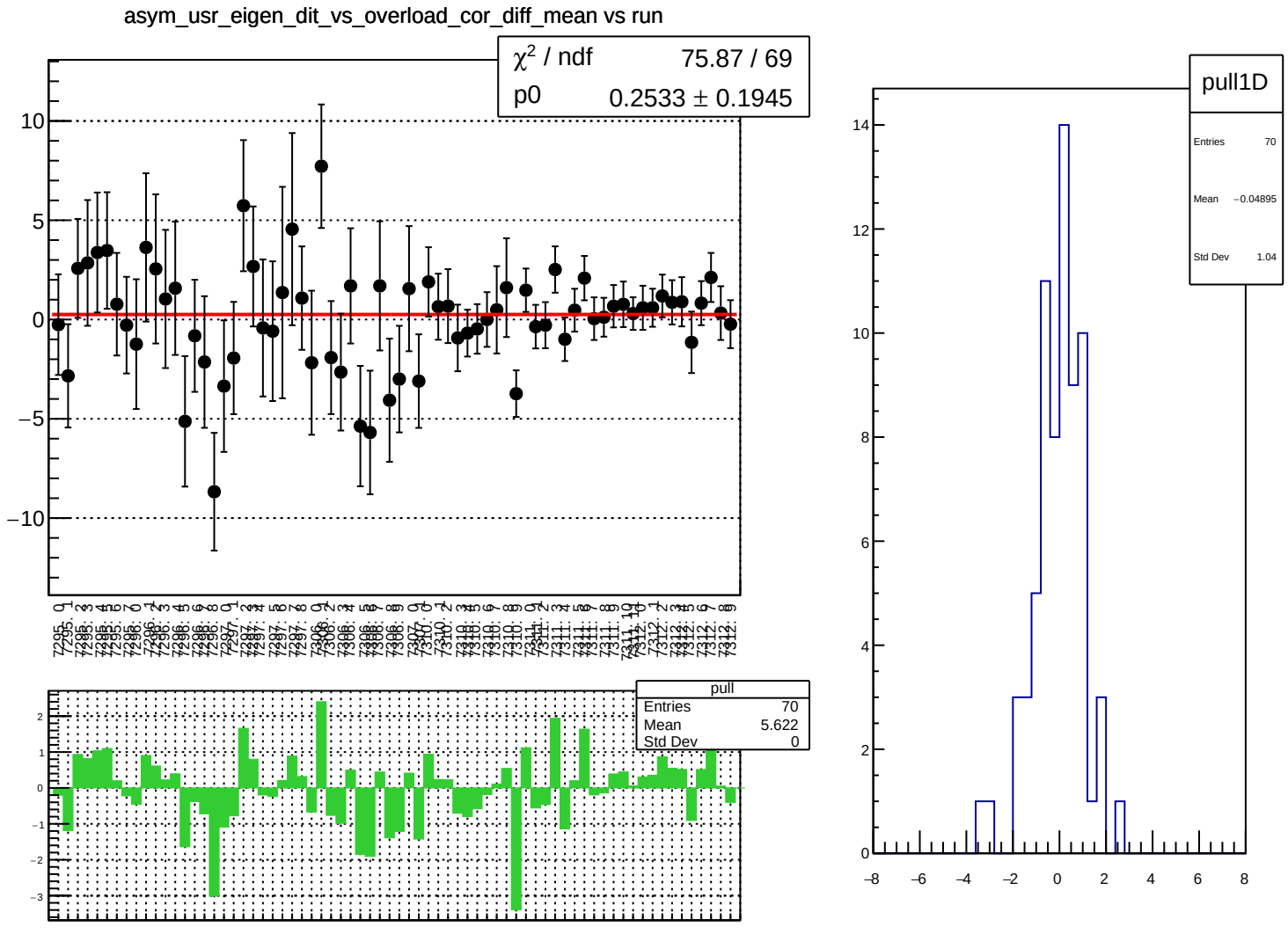

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.312e+04 / 69
p0 0.004513 ± 3.964e−06
0.009
0.008
0.007
0.006
0.005
0.004

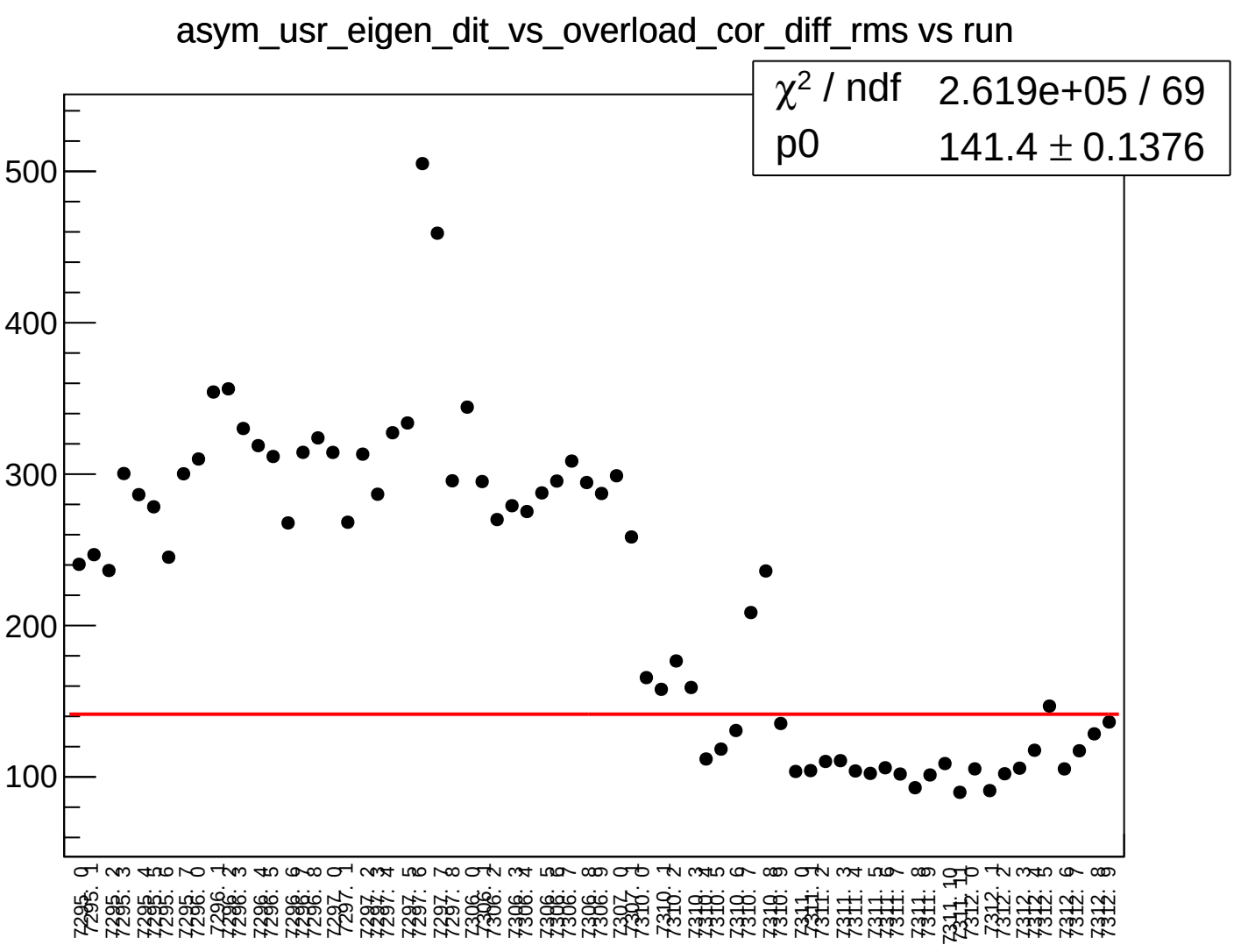

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.56 / 69
p0 0.08379 ± 0.1424
pull
Entries 70
Mean −23.74
Std Dev 0
pull1D
Entries 70
Mean −0.02571
Std Dev 1.018

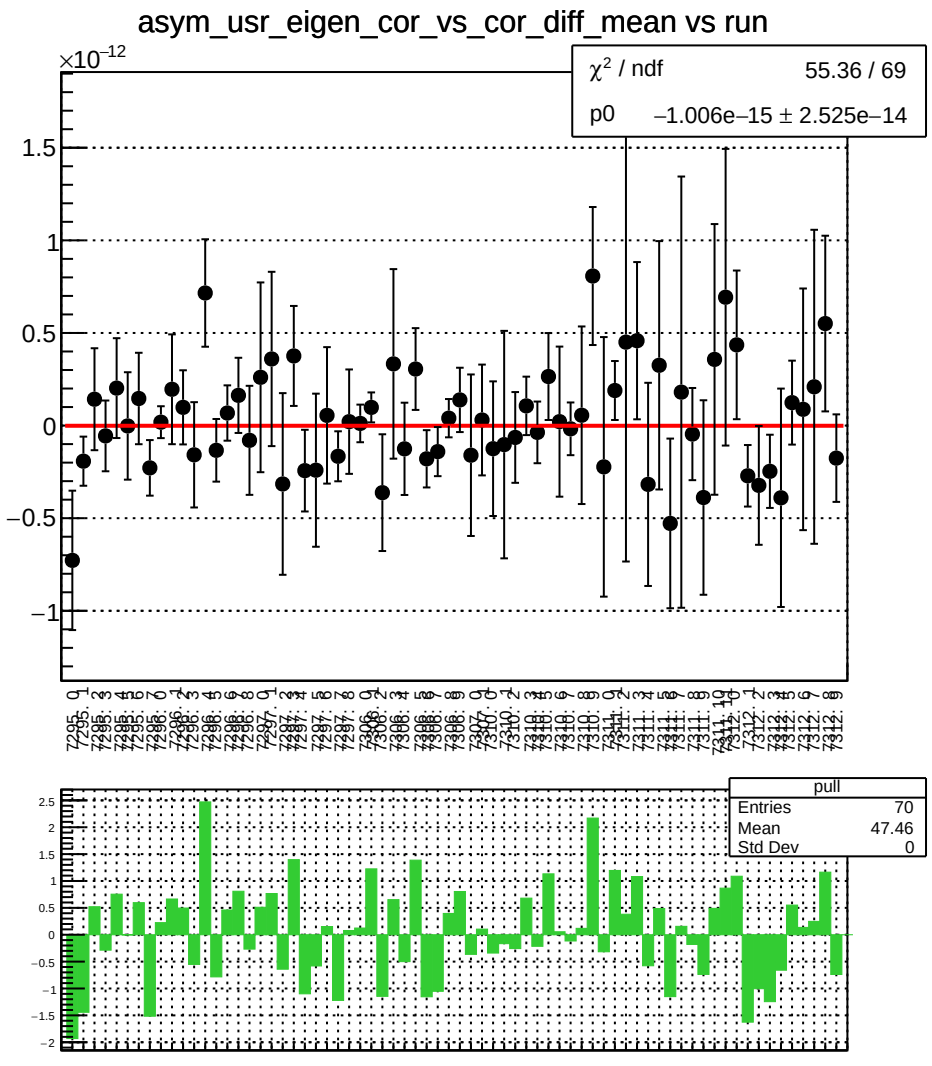

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.755e+05 / 69
p0 97.78 ± 0.1007
500
400
300
200
100

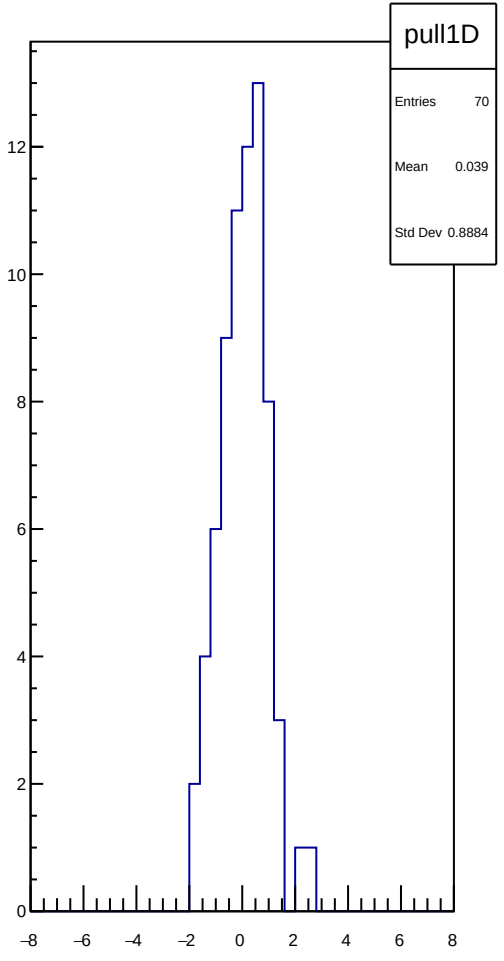

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.56 / 69
p0 0.08379 ± 0.1424
pull
Entries 70
Mean −23.74
Std Dev 0
pull1D
Entries 70
Mean −0.02571
Std Dev 1.018

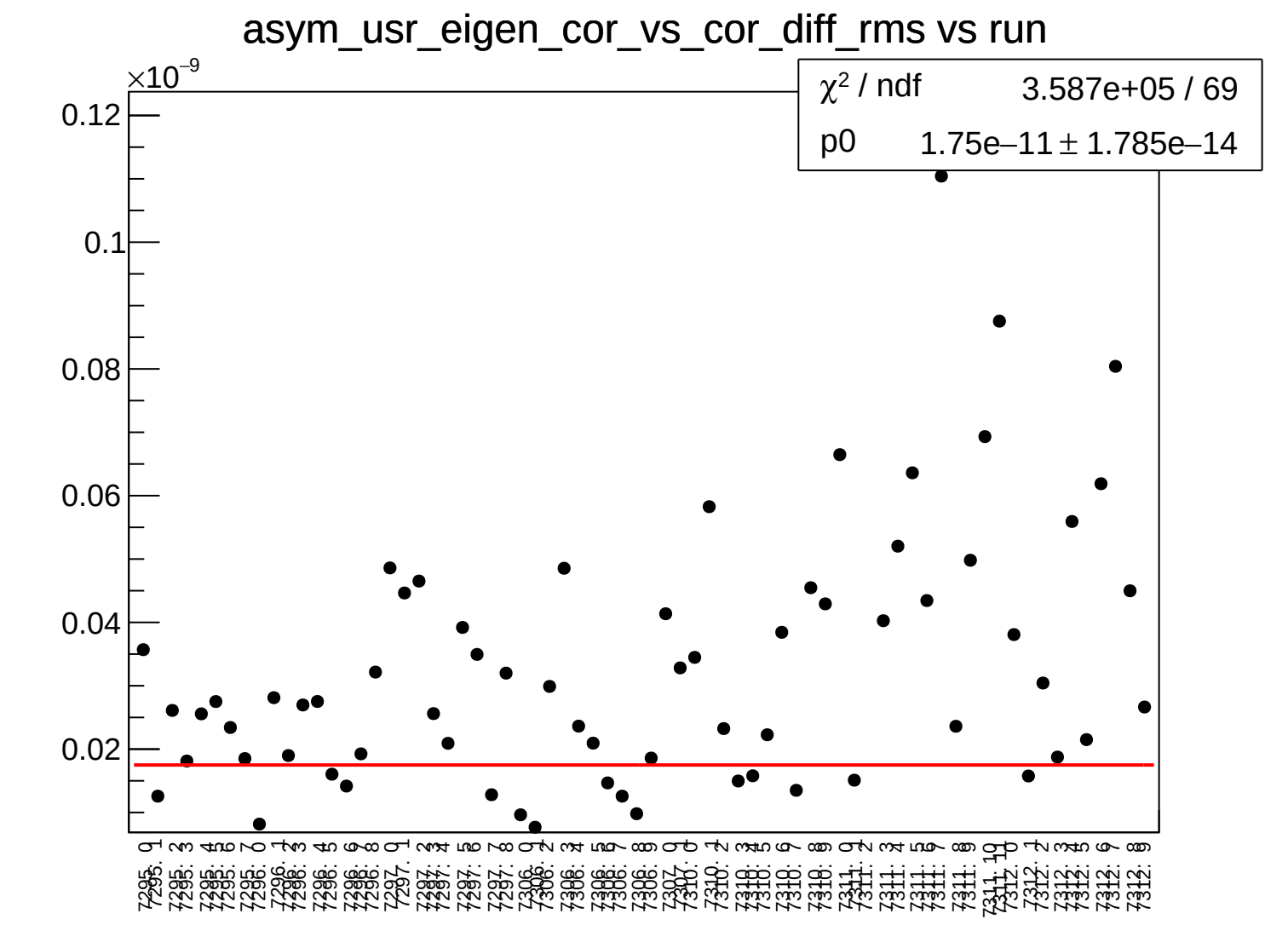

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.755e+05 / 69
p0 97.78 ± 0.1007
500
400
300
200
100

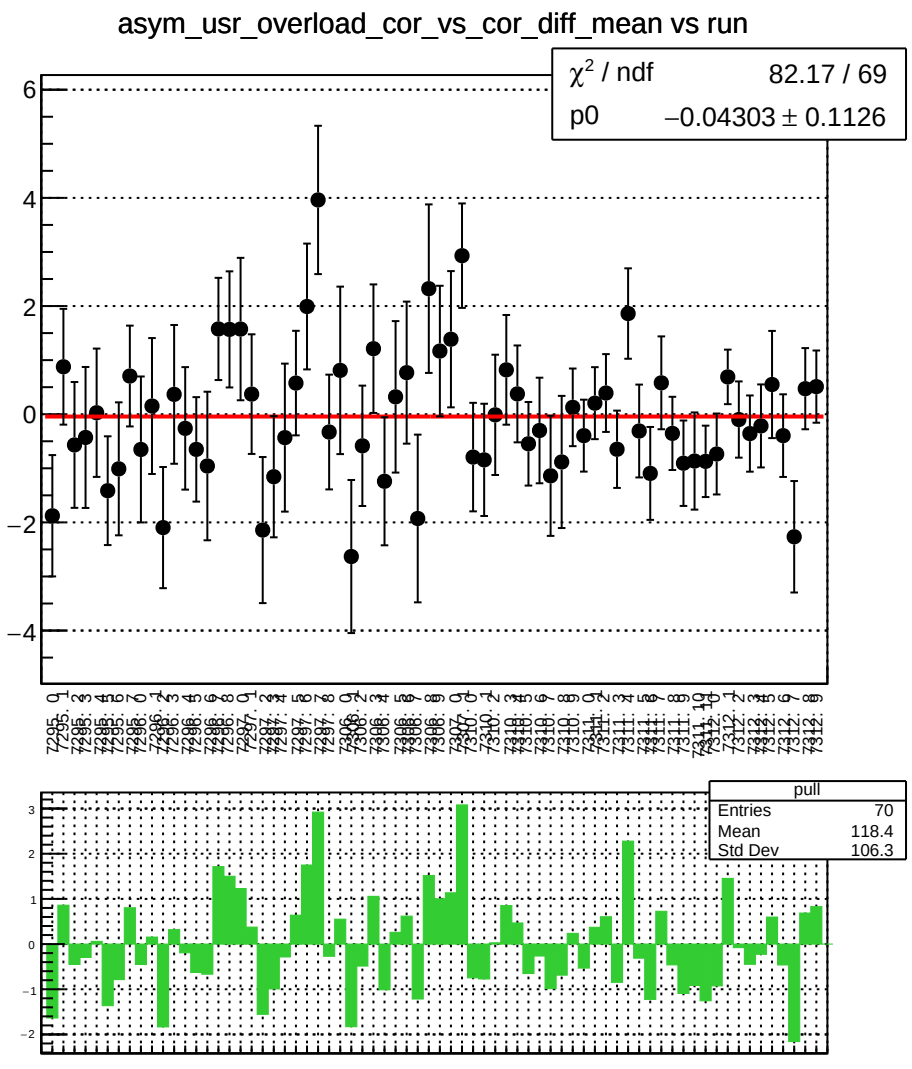

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 75.87 / 69
p0 0.2533 ± 0.1945
pull
Entries 70
Mean 5.622
Std Dev 0
pull1D
Entries 70
Mean −0.04895
Std Dev 1.04

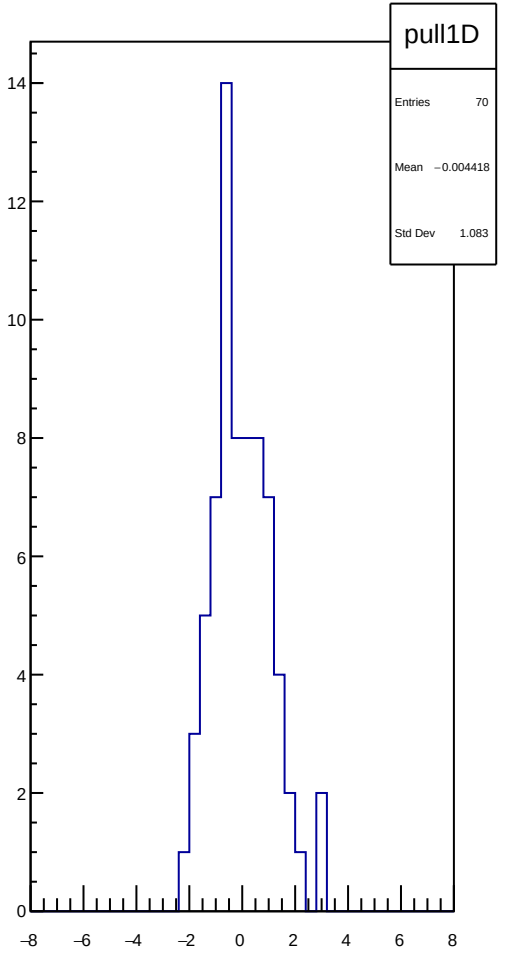

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.619e+05 / 69
p0 141.4 ± 0.1376
500
400
300
200
100

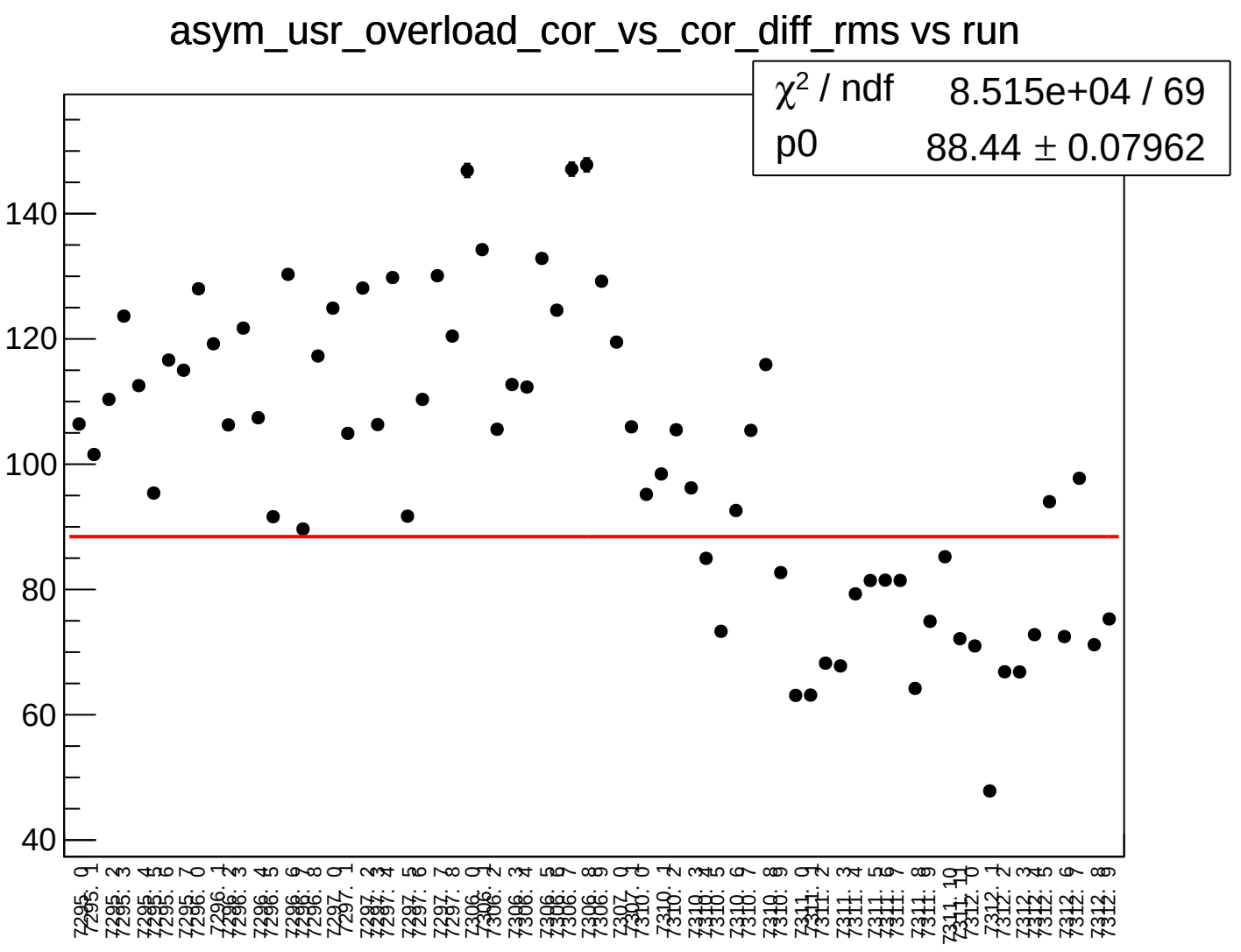

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.36 / 69
p0 −1.006e−15 ± 2.525e−14
pull
Entries 70
Mean 47.46
Std Dev 0

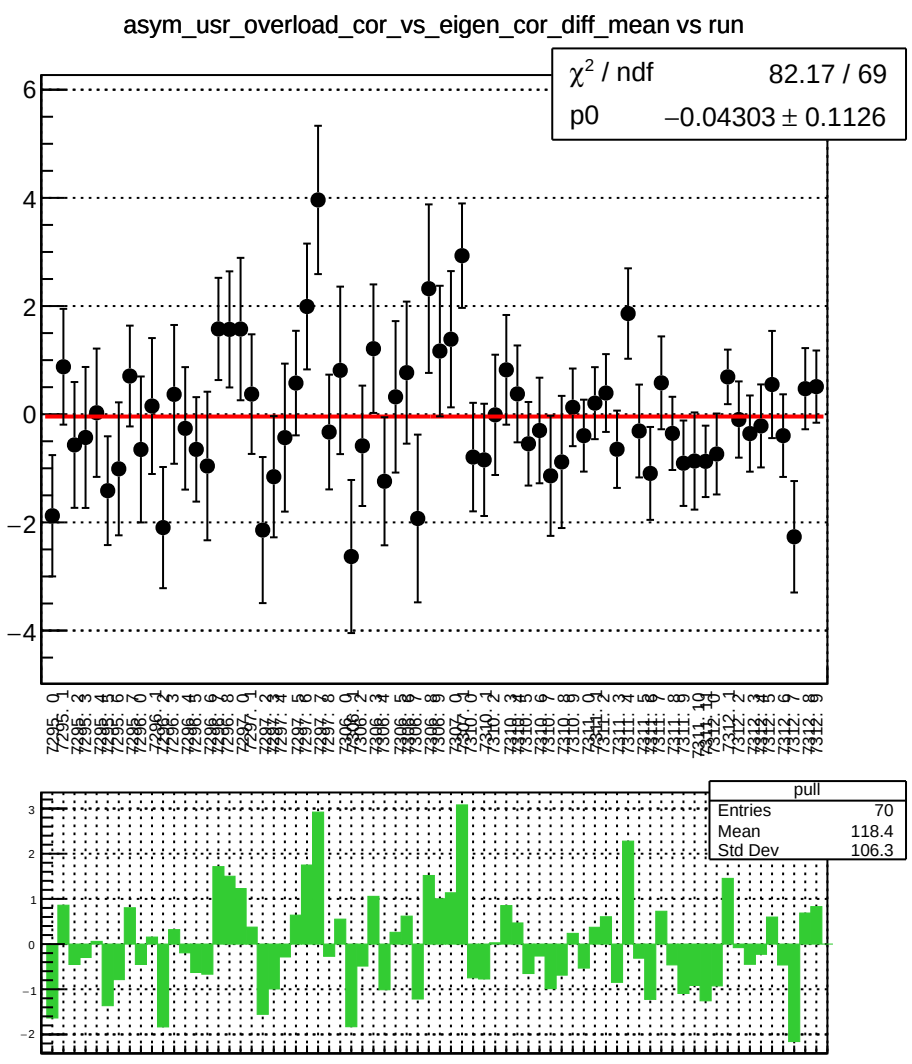

pull1D
Entries 70
Mean 0.039
Std Dev 0.8884

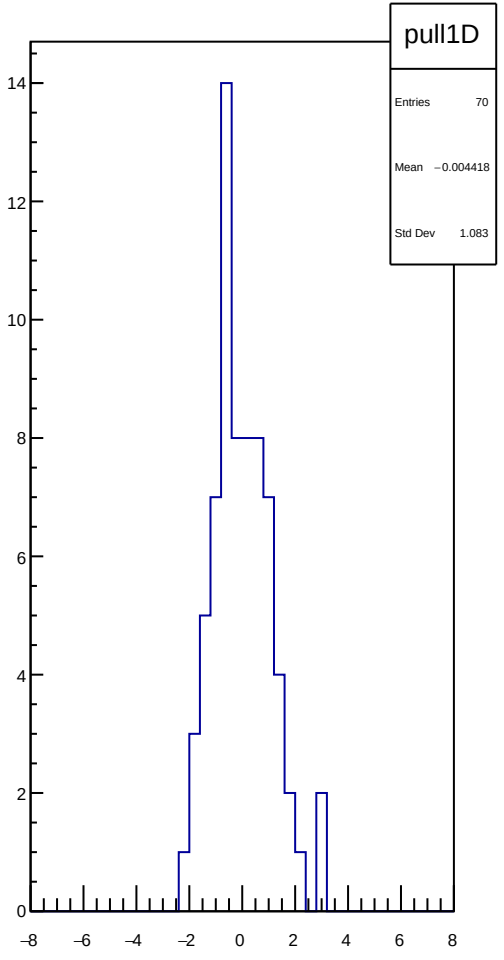

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.587e+05 / 69
p0 1.75e−11 ± 1.785e−14
0.12
0.1
0.08
0.06
0.04
0.02

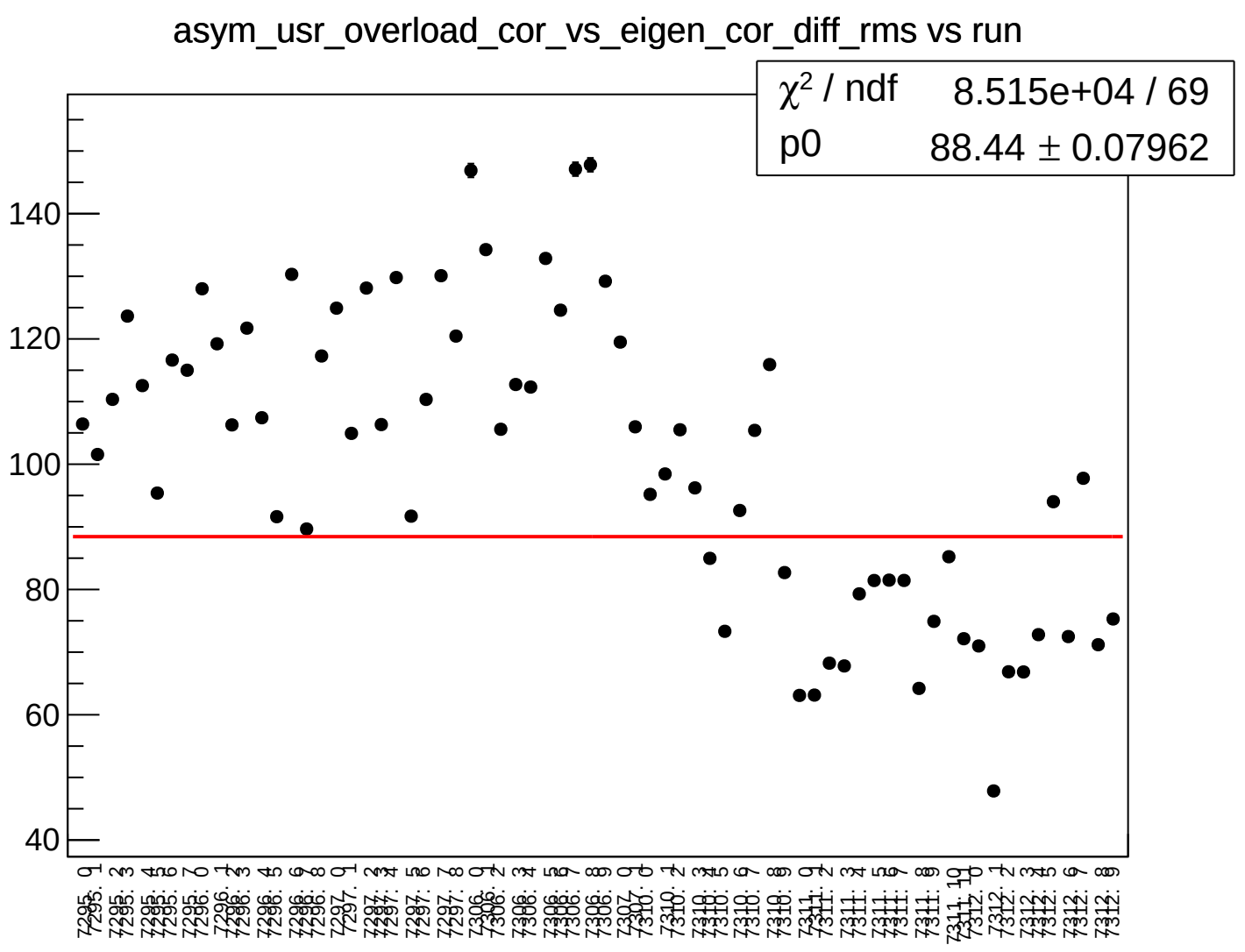

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 82.17 / 69
p0 −0.04303 ± 0.1126
pull
Entries 70
Mean 118.4
Std Dev 106.3

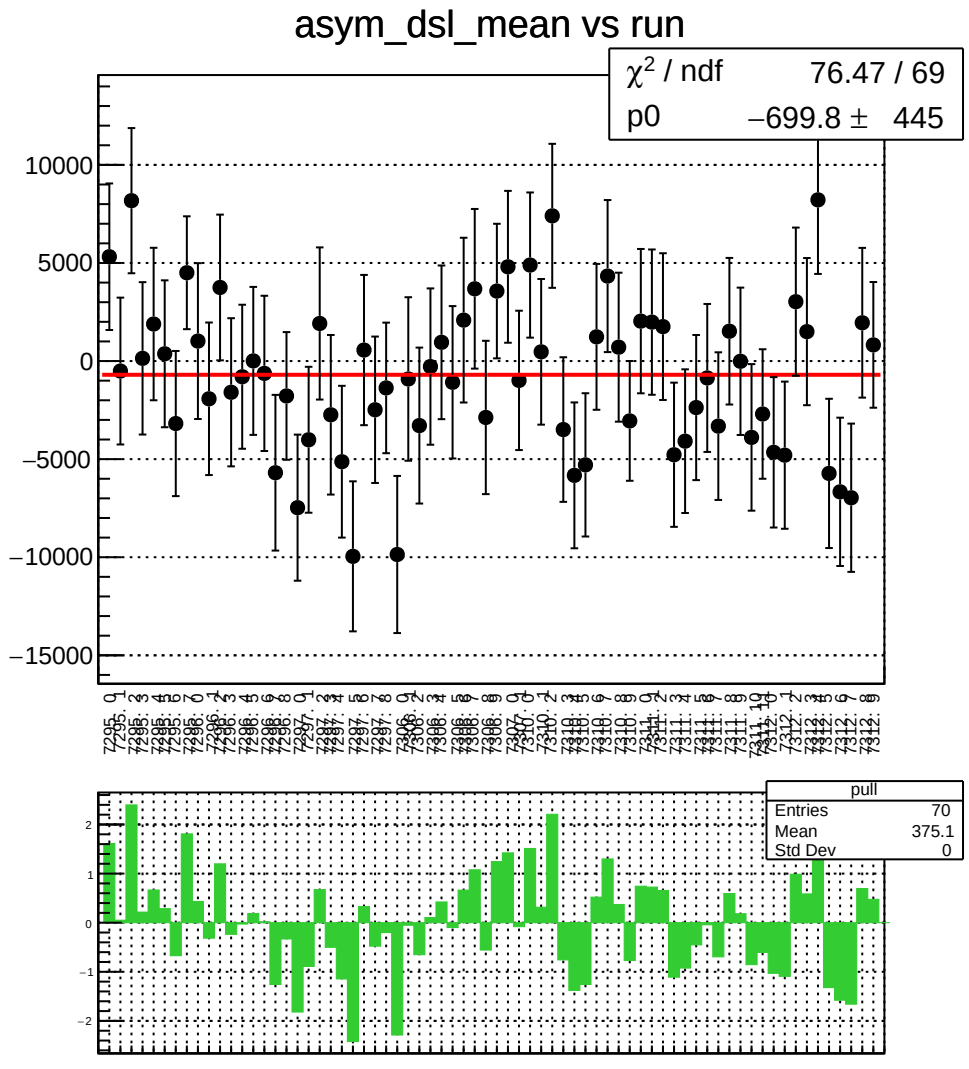

pull1D
Entries 70
Mean −0.004418
Std Dev 1.083

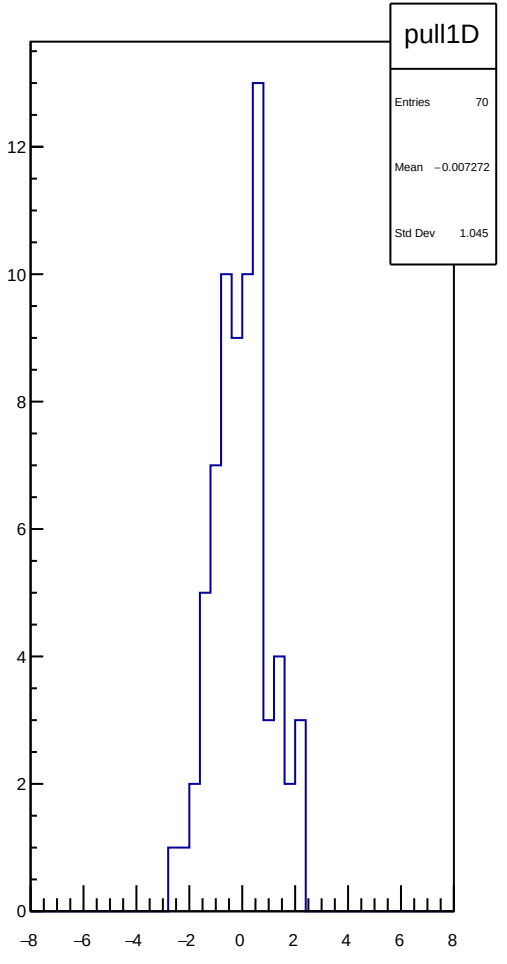

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 8.515e+04 / 69
p0 88.44 ± 0.07962
140
120
100
80
60
40

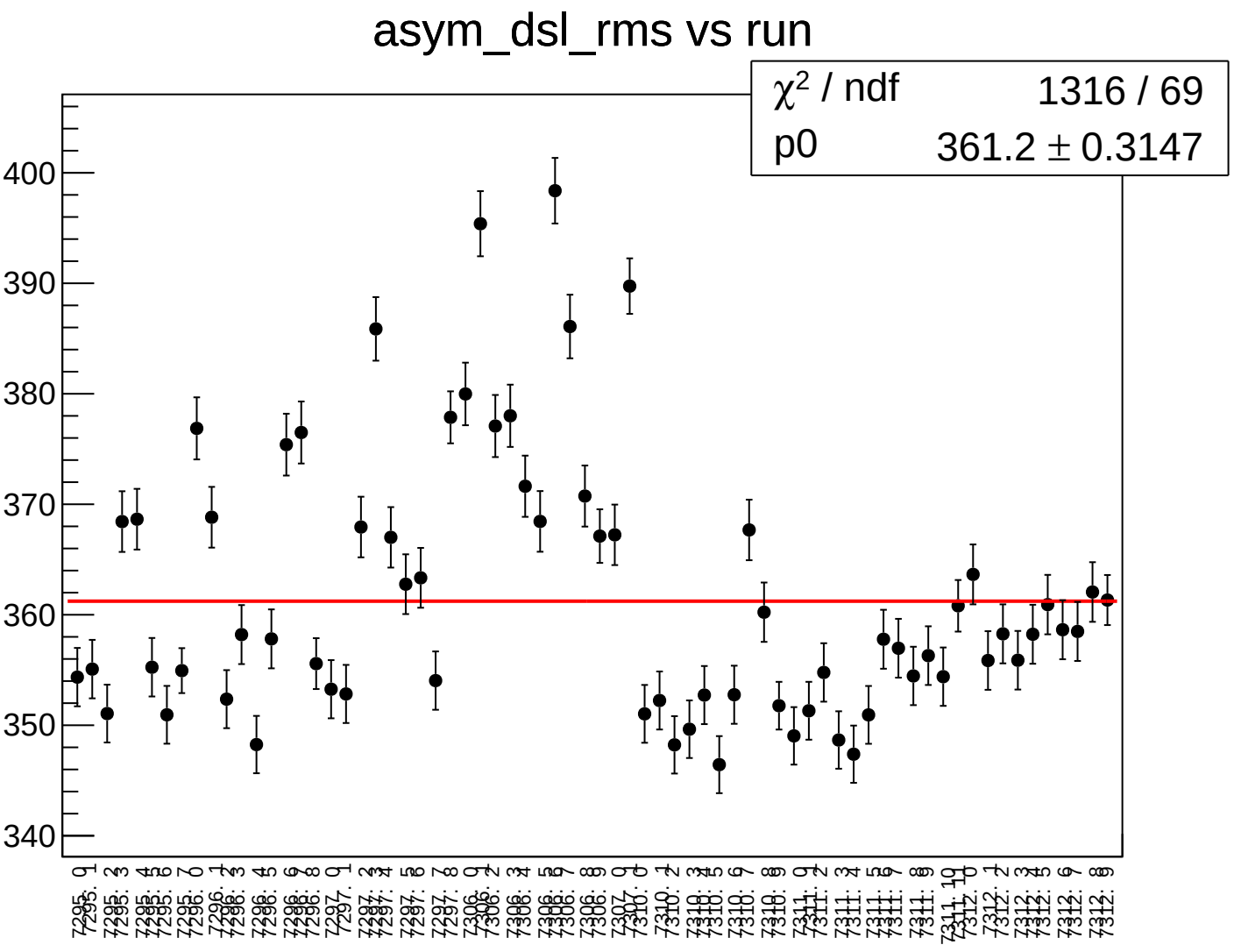

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.17 / 69
p0 −0.04303 ± 0.1126
pull
Entries 70
Mean 118.4
Std Dev 106.3

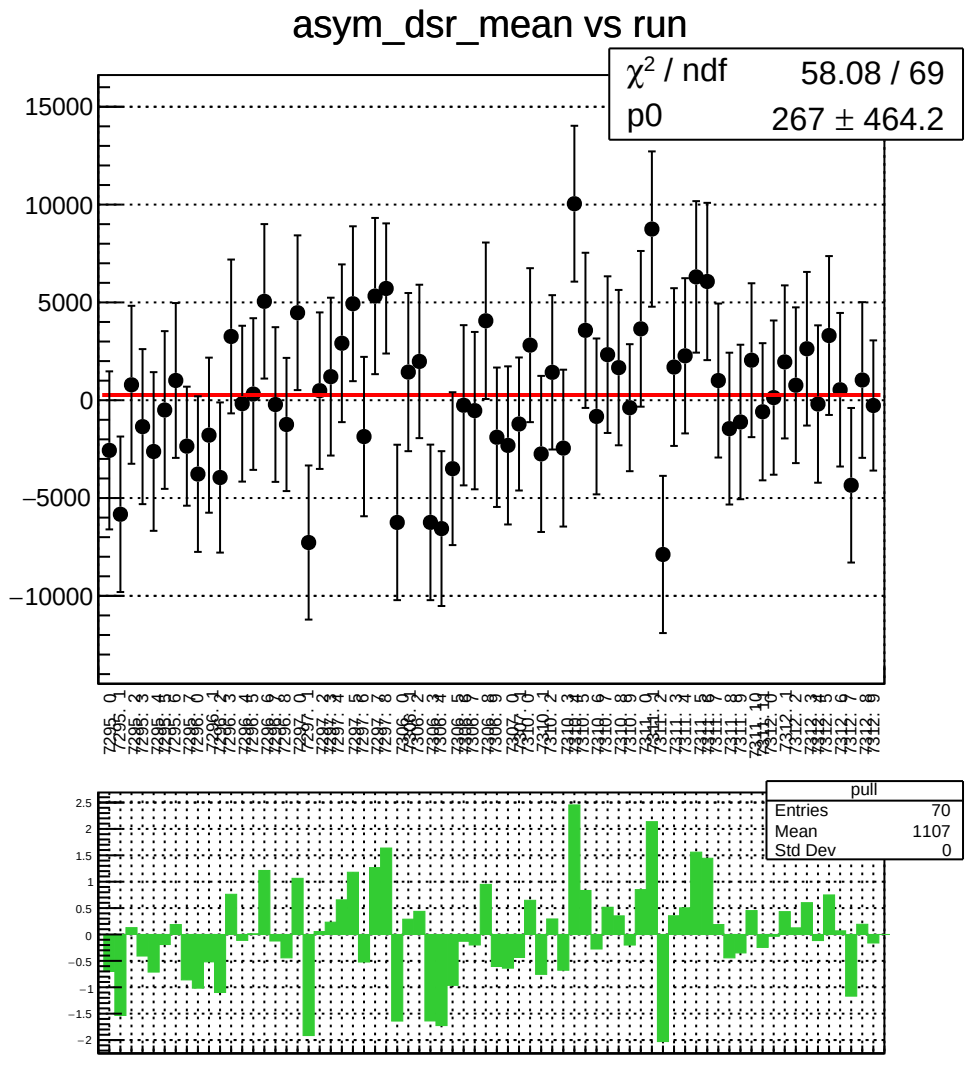

pull1D
Entries 70
Mean −0.004418
Std Dev 1.083

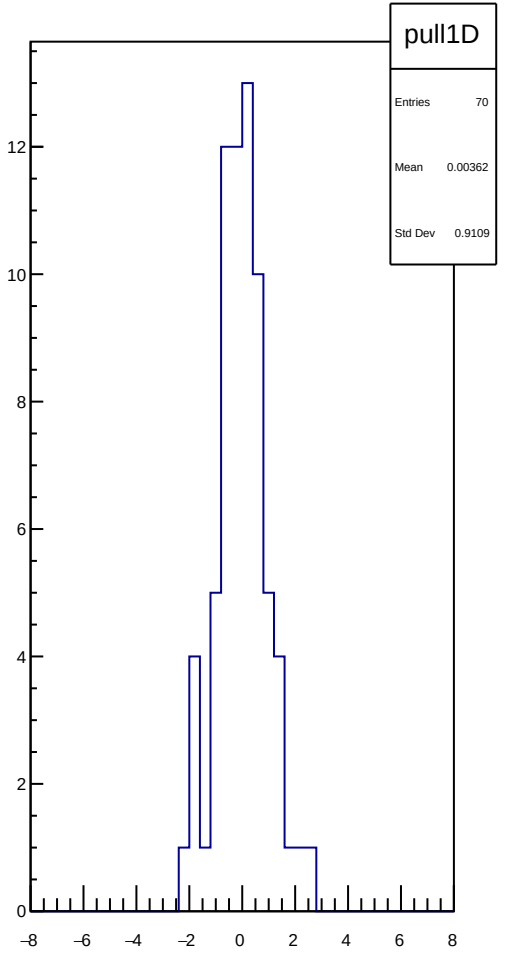

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.515e+04 / 69
p0 88.44 ± 0.07962
140
120
100
80
60
40

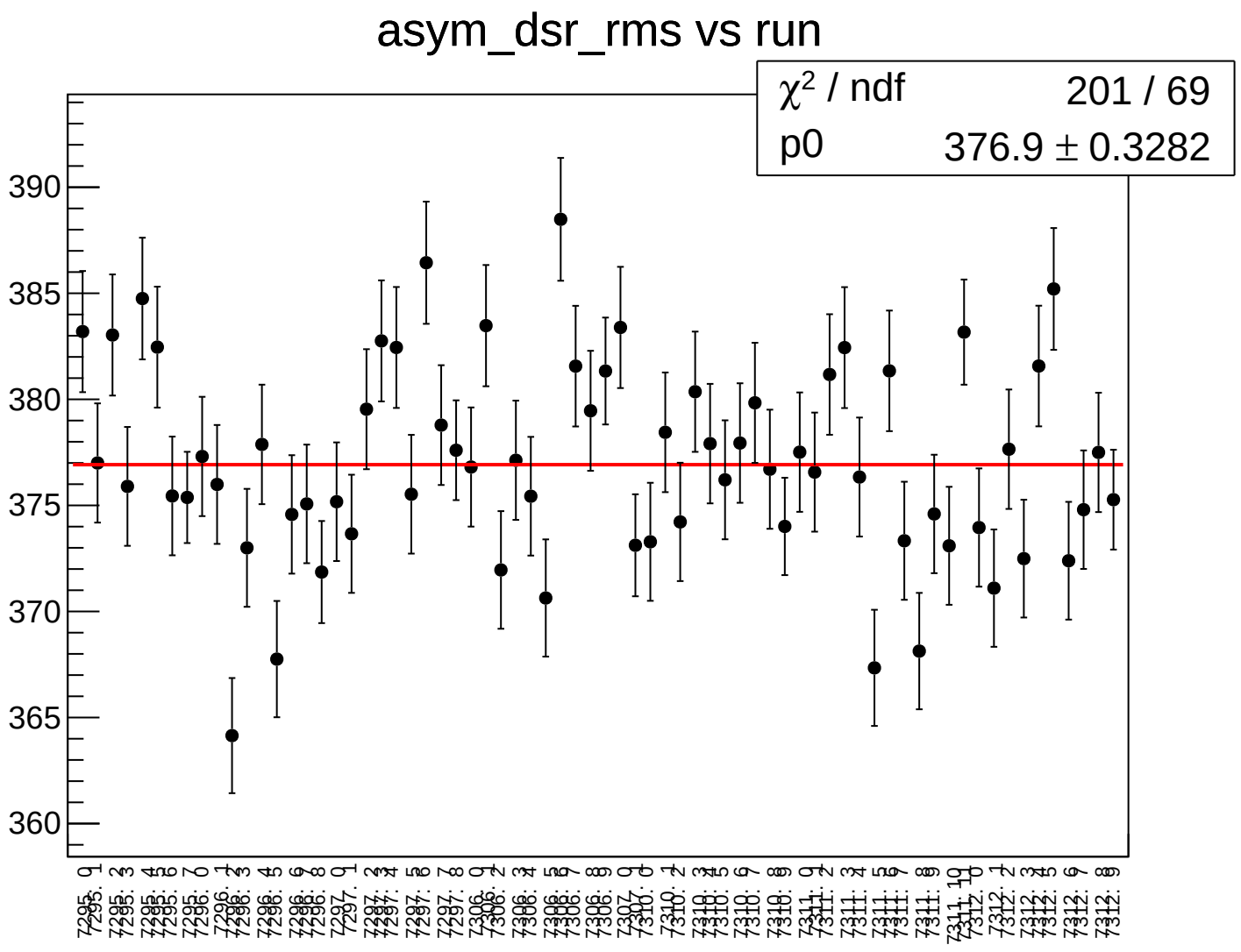

asym_dsl_mean vs run
χ² / ndf 76.47 / 69
p0 −699.8 ± 445
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 375.1
Std Dev 0
2
1
0
−1
−2

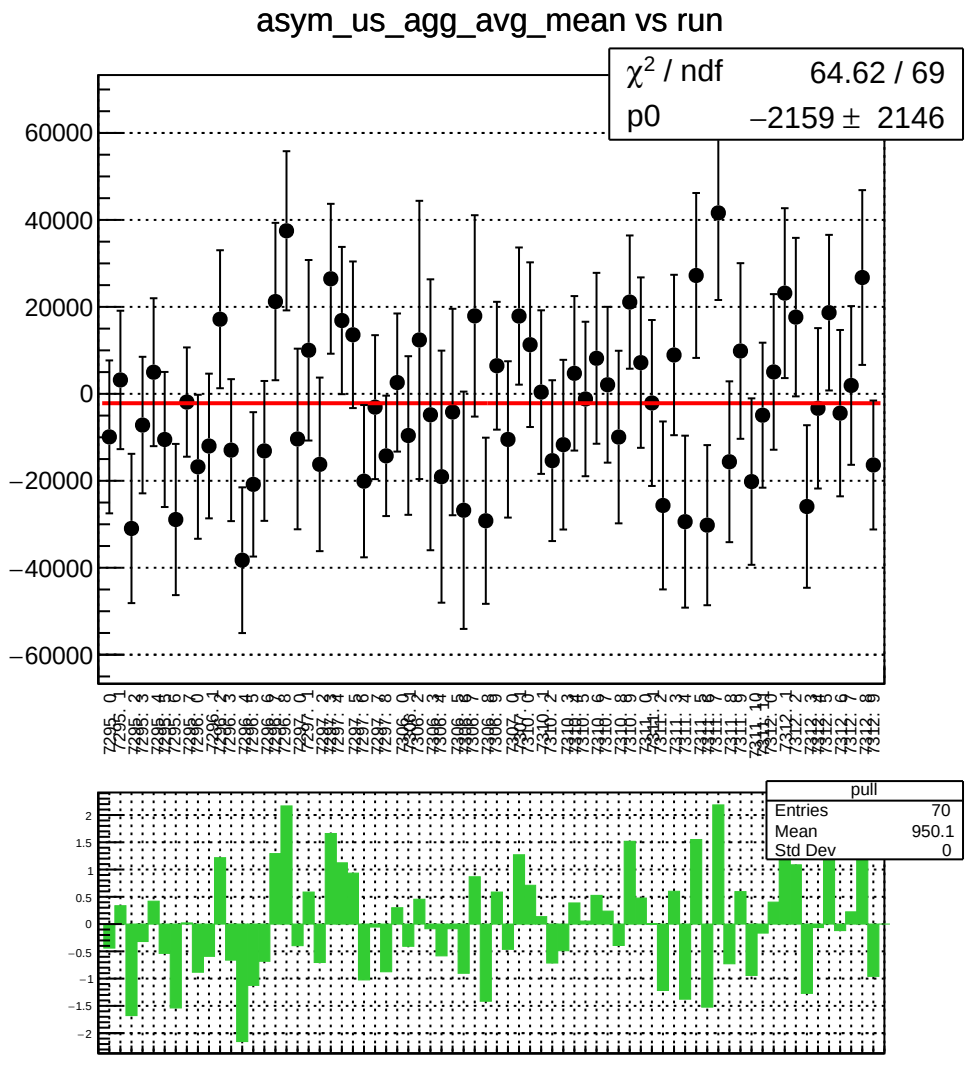

pull1D
Entries 70
Mean −0.007272
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

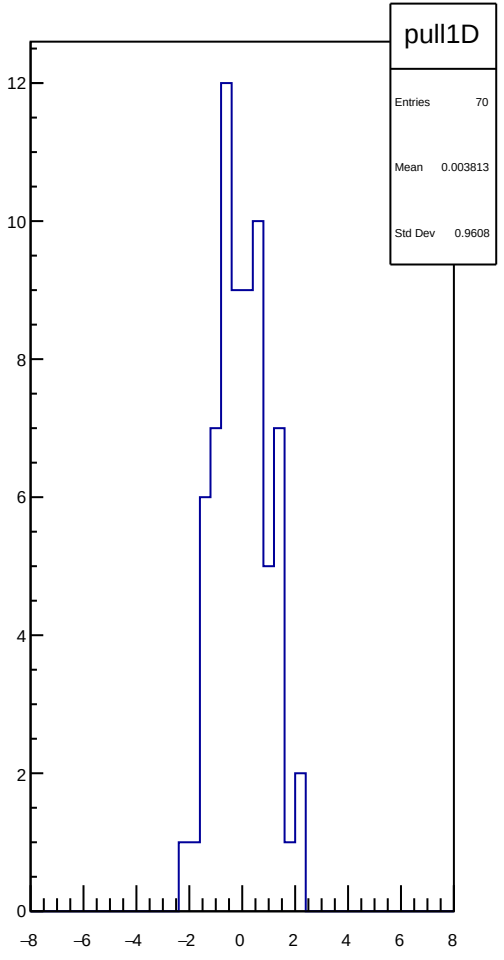

asym_dsl_rms vs run
χ^2 / ndf 1316 / 69
p0 361.2 ± 0.3147
400
390
380
370
360
350
340

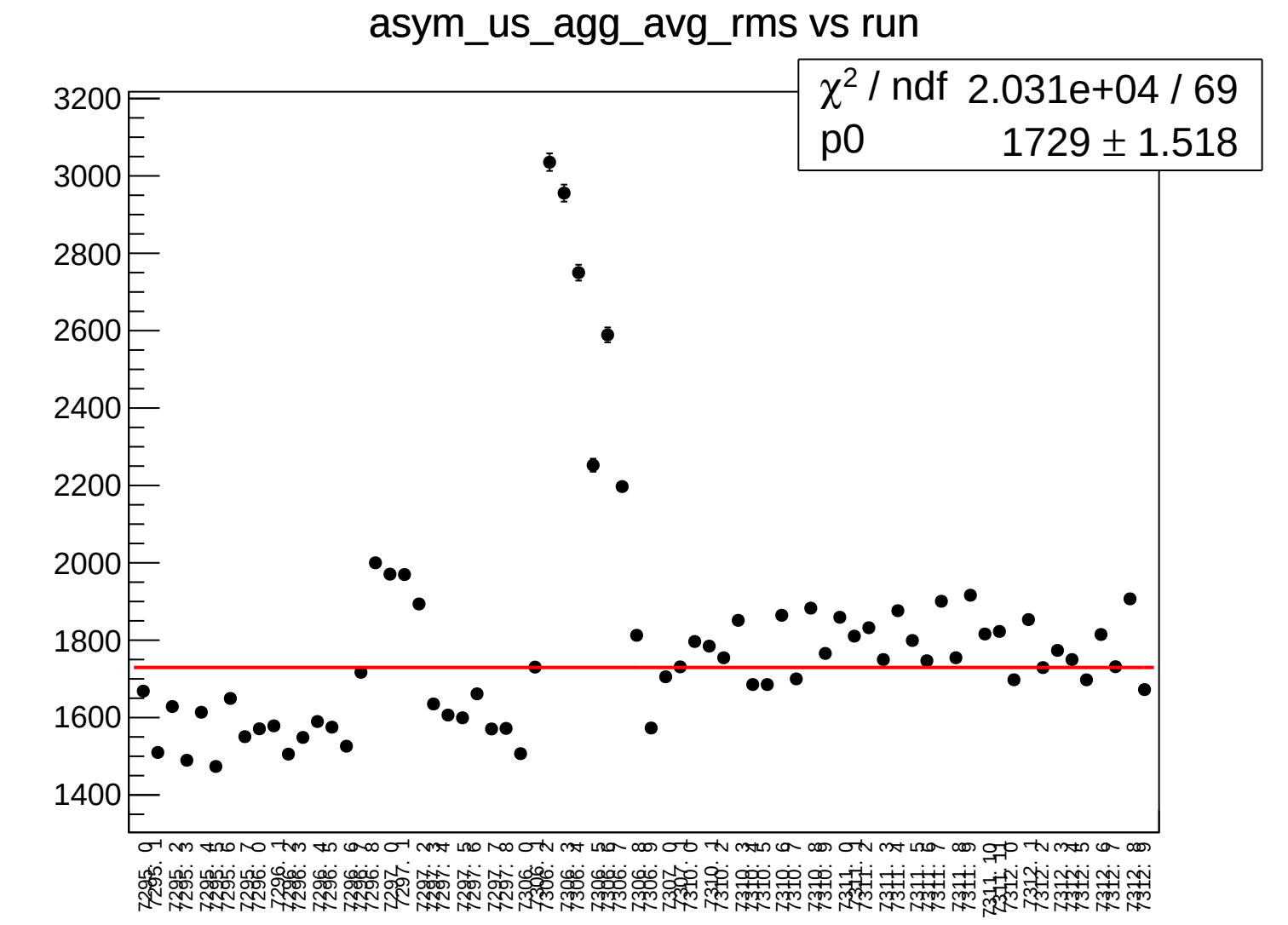

asym_dsr_mean vs run
χ^2 / ndf 58.08 / 69
p0 267 ± 464.2
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 1107
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

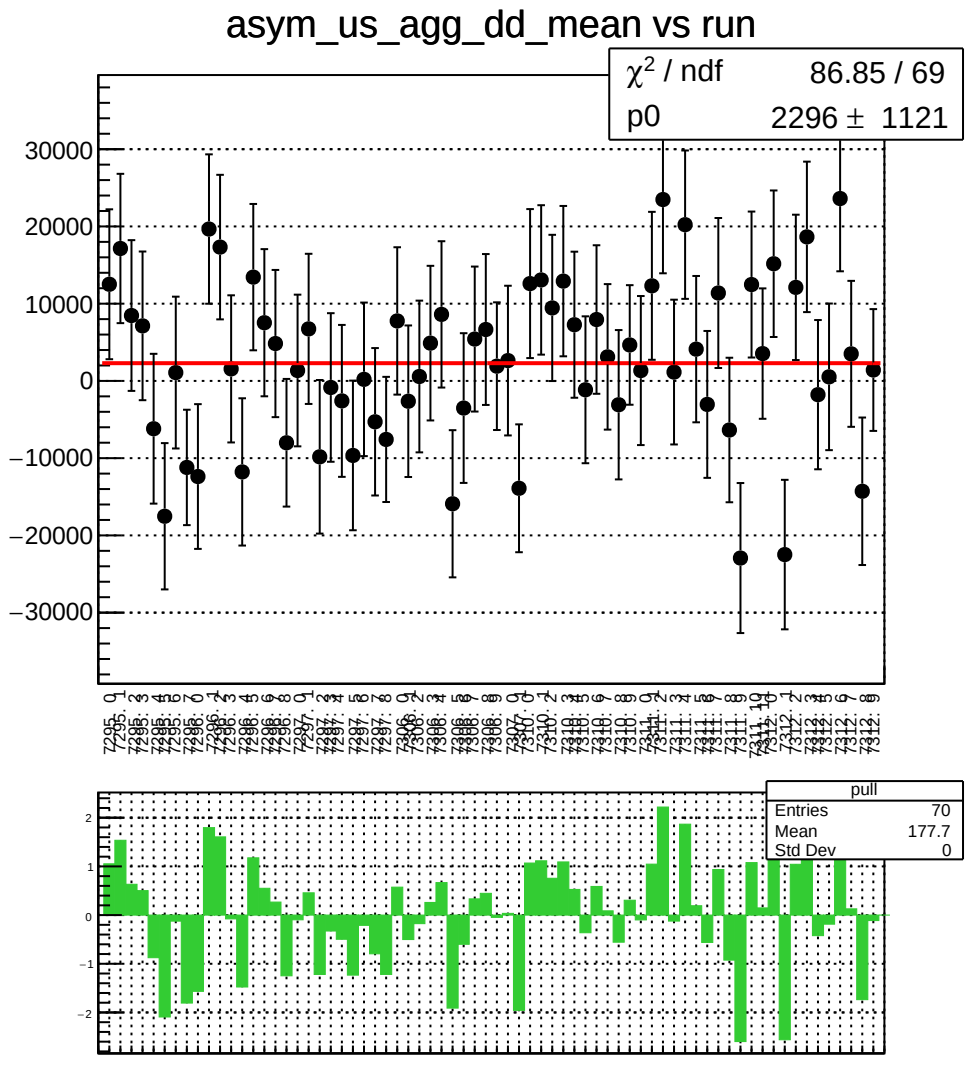

pull1D
Entries 70
Mean 0.00362
Std Dev 0.9109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

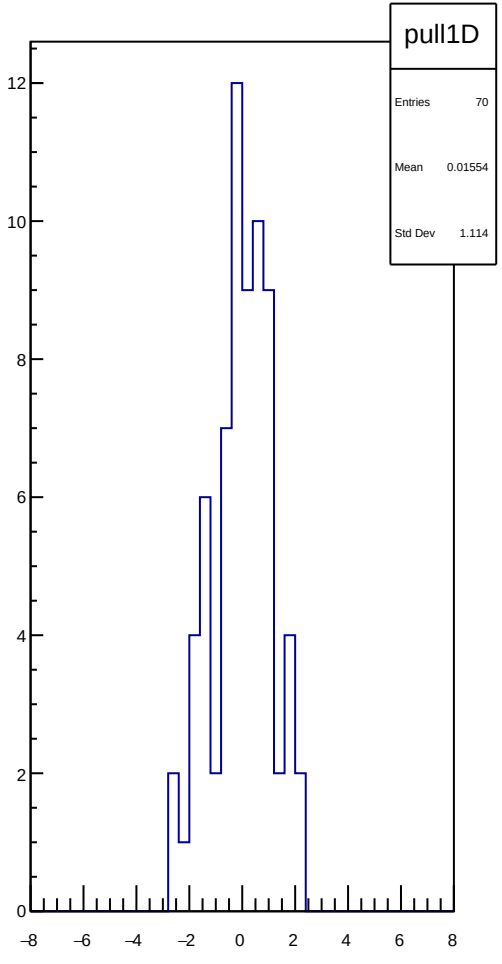

asym_dsr_rms vs run
χ² / ndf 201 / 69
p0 376.9 ± 0.3282
390
385
380
375
370
365
360

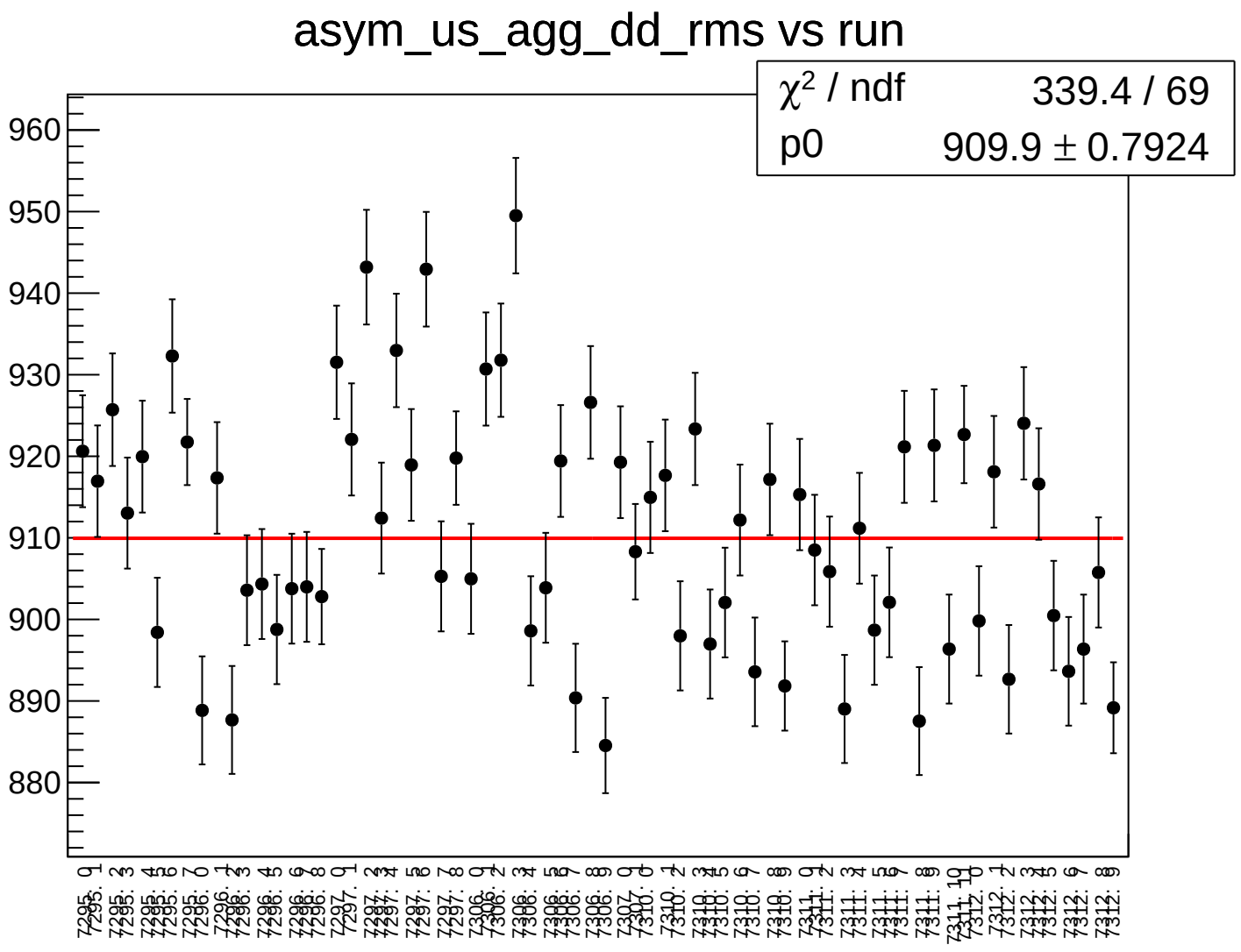

asym_us_agg_avg_mean vs run
χ² / ndf 64.62 / 69
p0 −2159 ± 2146
pull
Entries 70
Mean 950.1
Std Dev 0

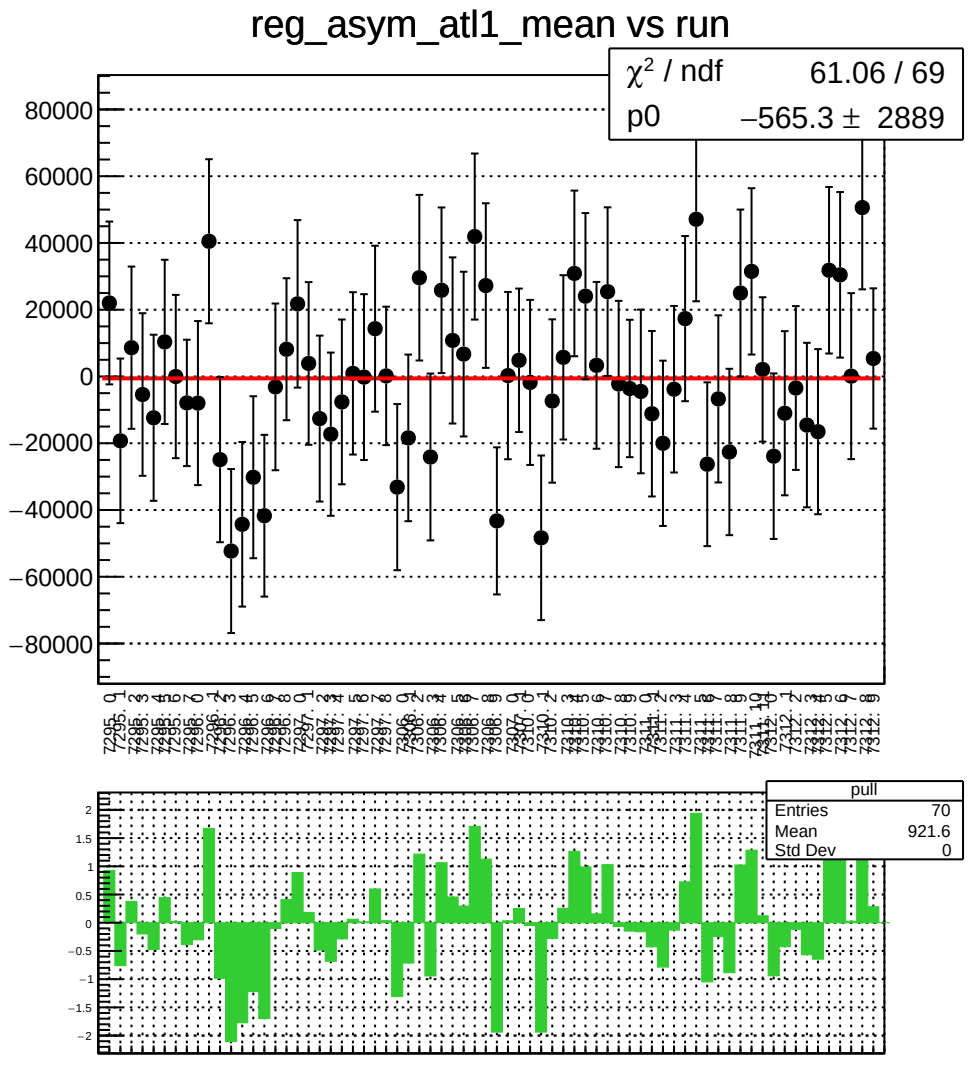

pull1D
Entries 70
Mean 0.003813
Std Dev 0.9608

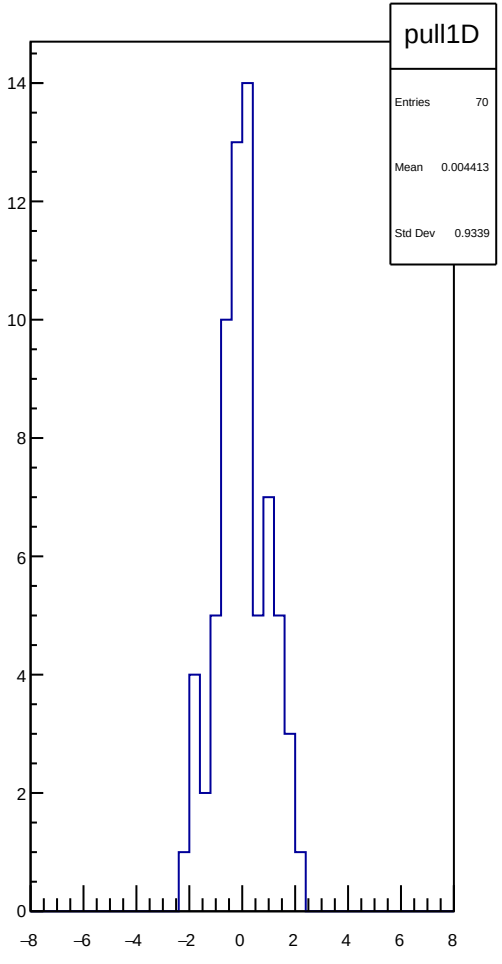

asym_us_agg_avg_rms vs run
χ² / ndf 2.031e+04 / 69
p0 1729 ± 1.518
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

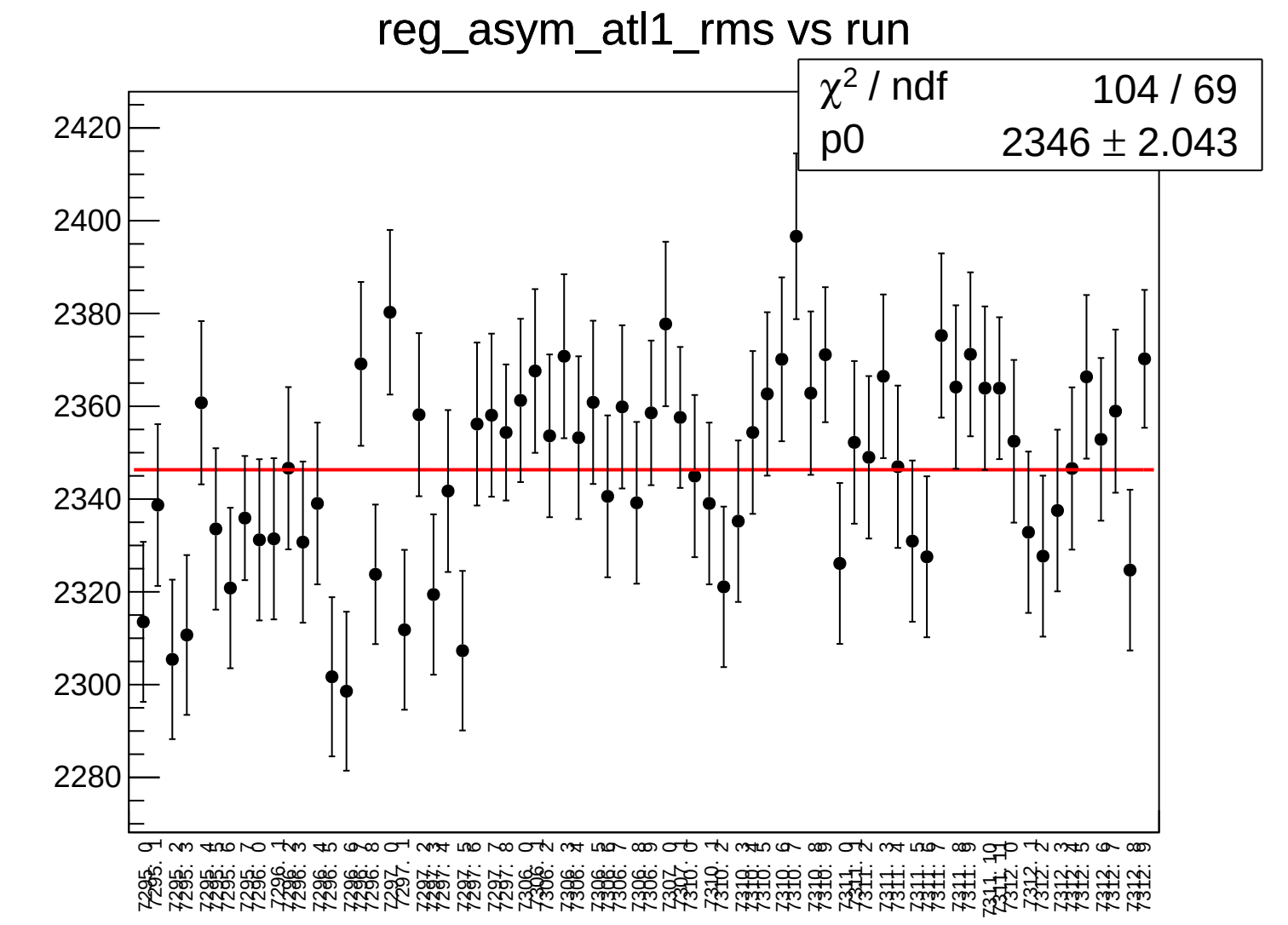

asym_us_agg_dd_mean vs run
χ² / ndf 86.85 / 69
p0 2296 ± 1121
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 177.7
Std Dev 0
2
1
0
−1
−2

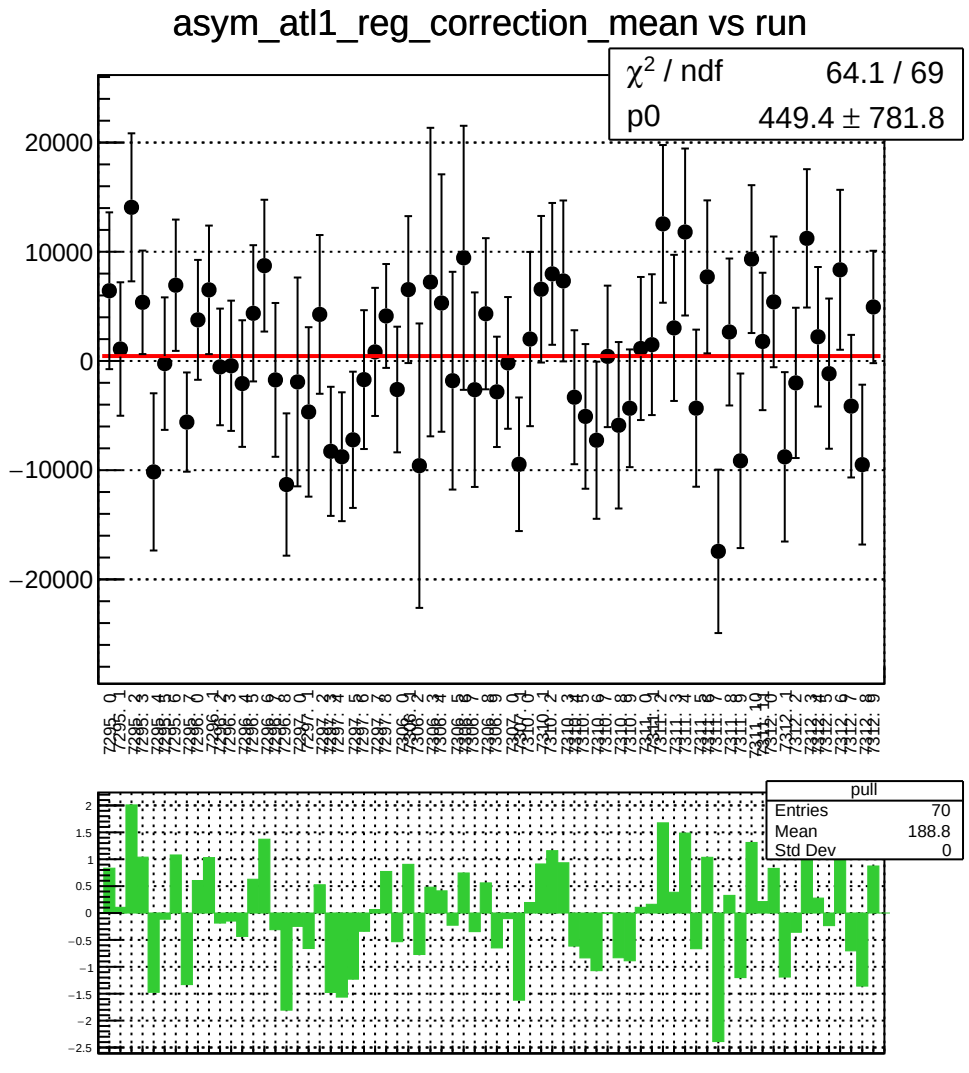

pull1D
Entries 70
Mean 0.01554
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

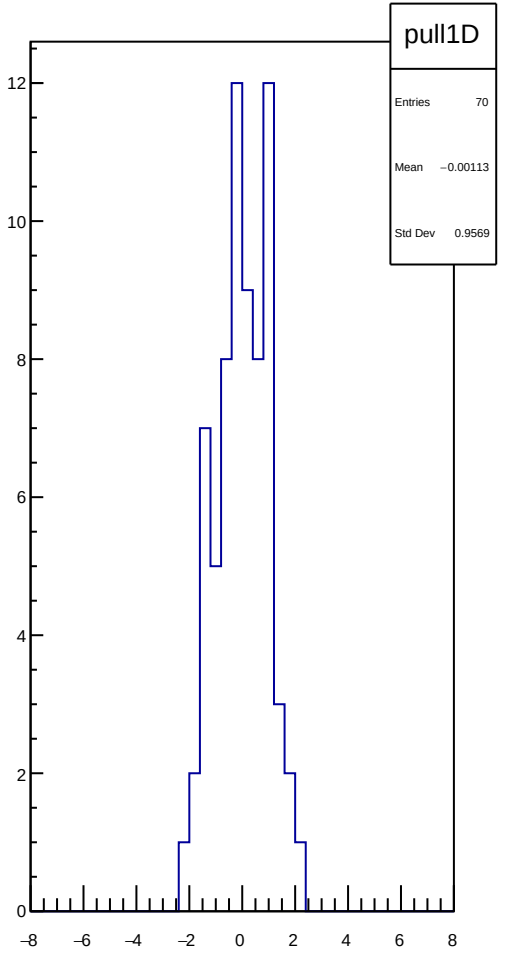

asym_us_agg_dd_rms vs run
χ² / ndf 339.4 / 69
p0 909.9 ± 0.7924
960
950
940
930
920
910
900
890
880

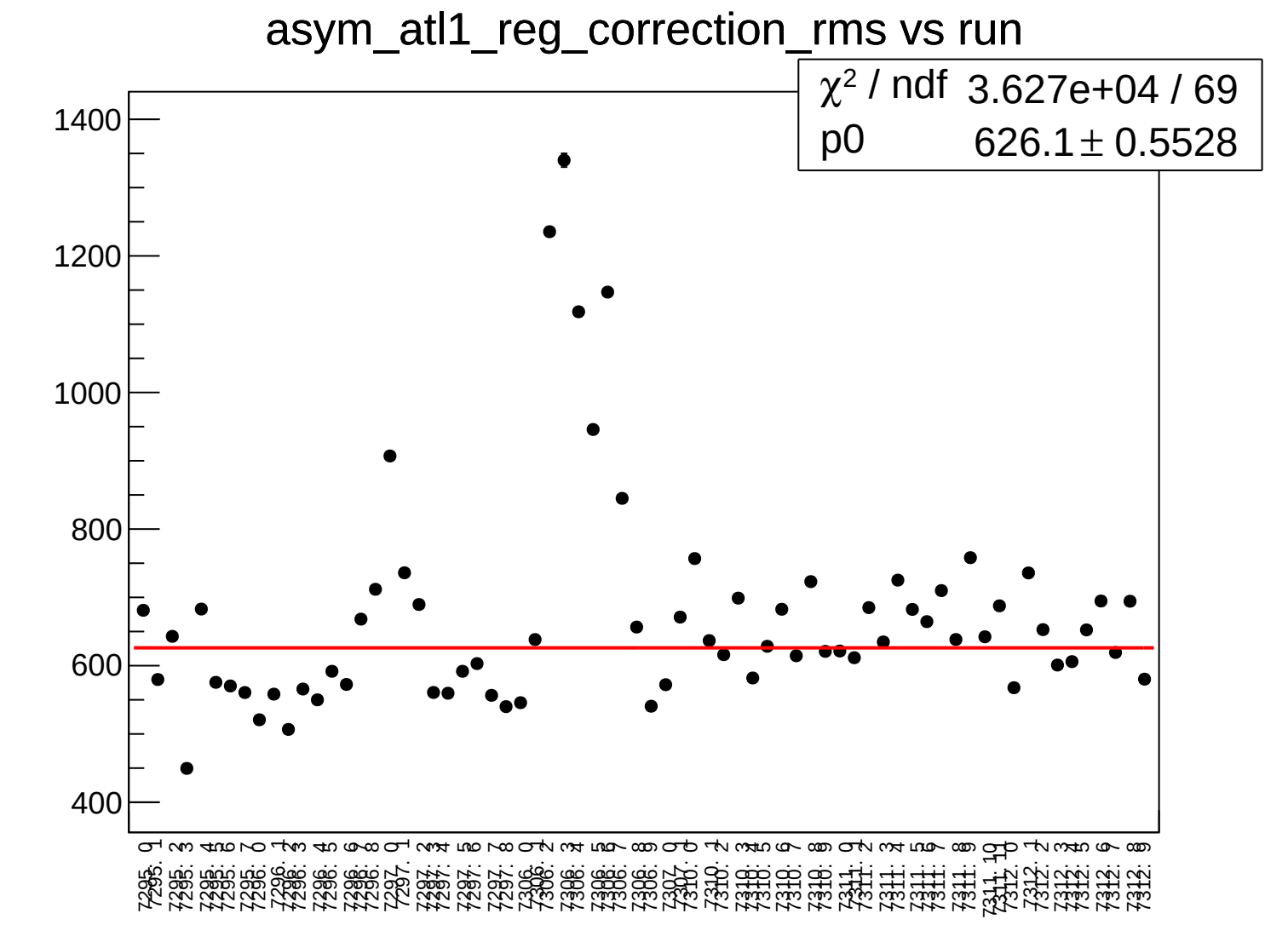

reg_asym_atl1_mean vs run
χ² / ndf 61.06 / 69
p0 −565.3 ± 2889
pull
Entries 70
Mean 921.6
Std Dev 0

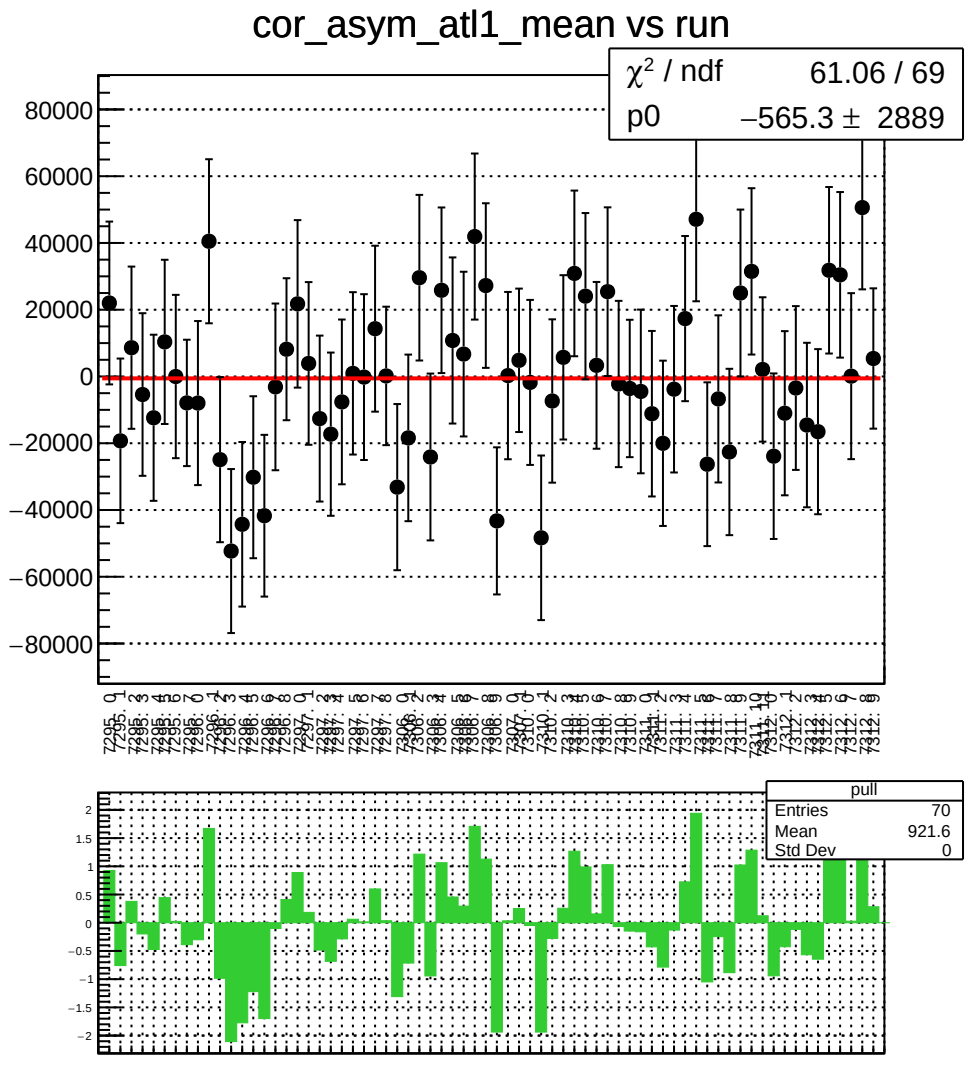

pull1D
Entries 70
Mean 0.004413
Std Dev 0.9339

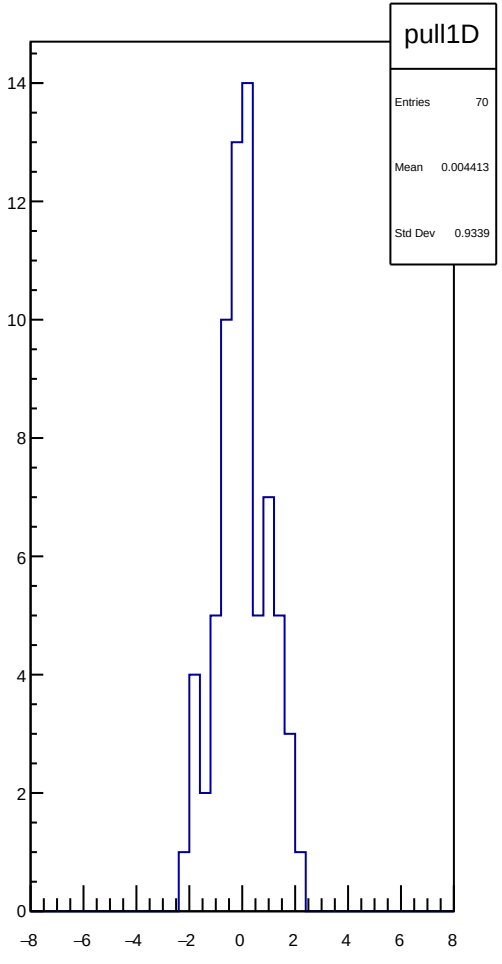

reg_asym_atl1_rms vs run
χ² / ndf 104 / 69
p0 2346 ± 2.043
2420
2400
2380
2360
2340
2320
2300
2280

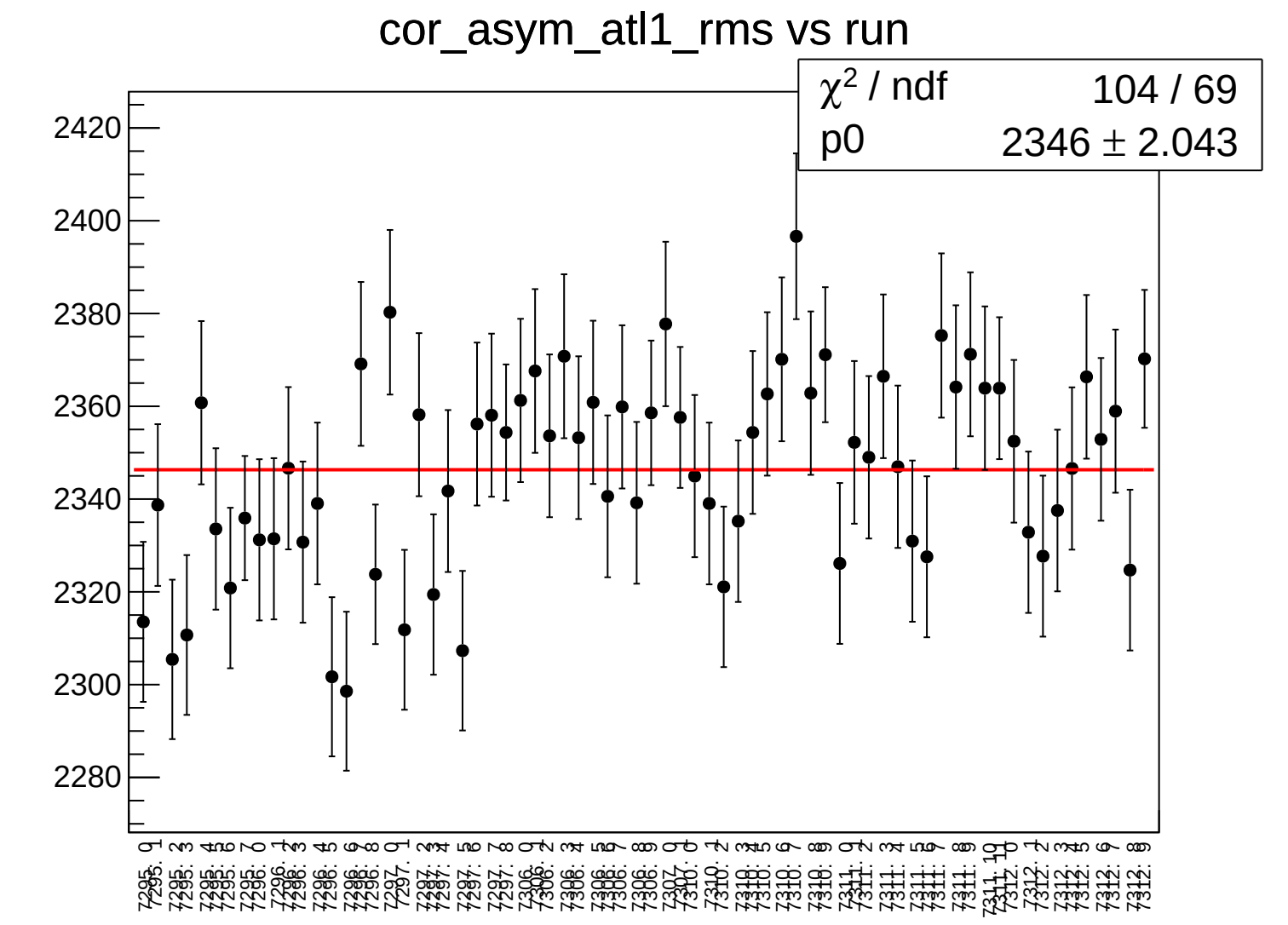

asym_atl1_reg_correction_mean vs run
χ² / ndf 64.1 / 69
p0 449.4 ± 781.8
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 188.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

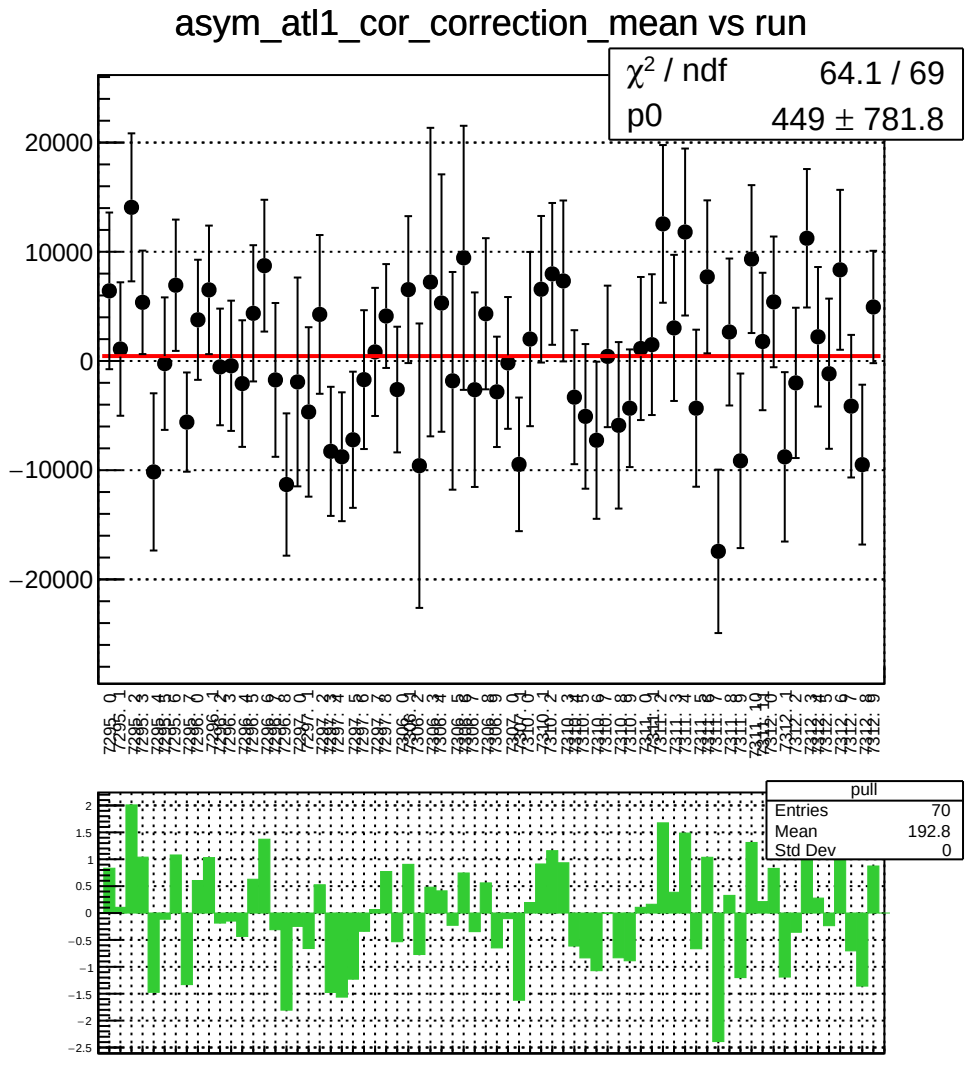

pull1D
Entries 70
Mean −0.00113
Std Dev 0.9569
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

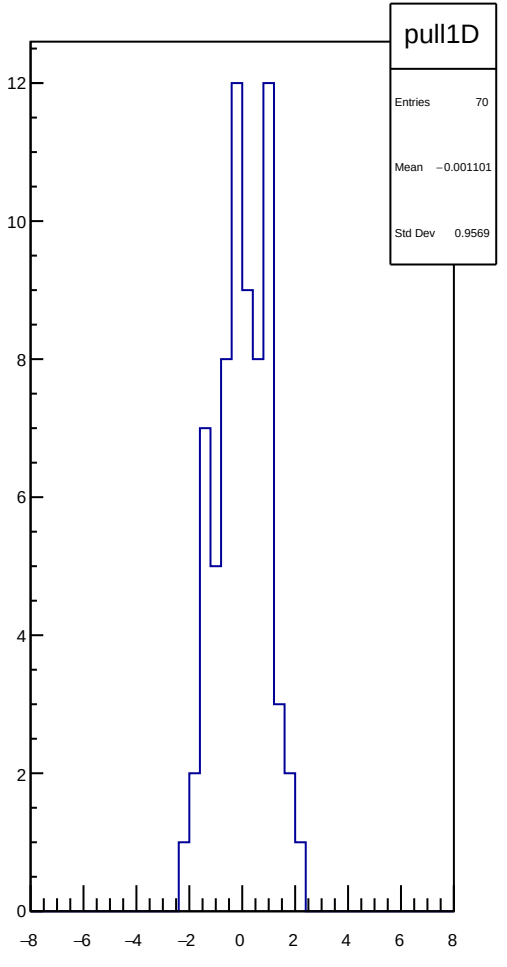

asym_atl1_reg_correction_rms vs run
χ² / ndf 3.627e+04 / 69
p0 626.1 ± 0.5528
1400
1200
1000
800
600
400

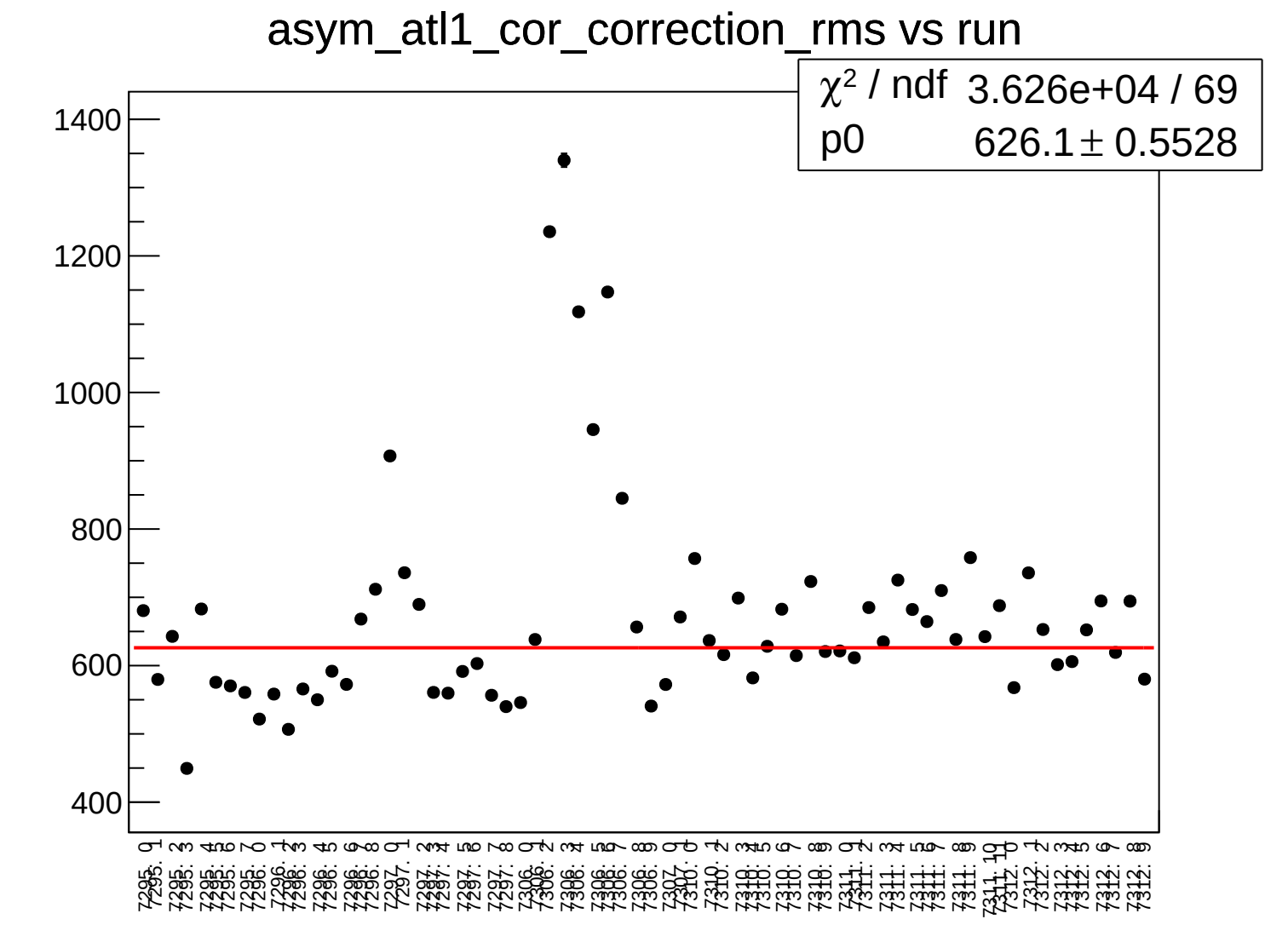

cor_asym_atl1_mean vs run
χ² / ndf 61.06 / 69
p0 −565.3 ± 2889
pull
Entries 70
Mean 921.6
Std Dev 0

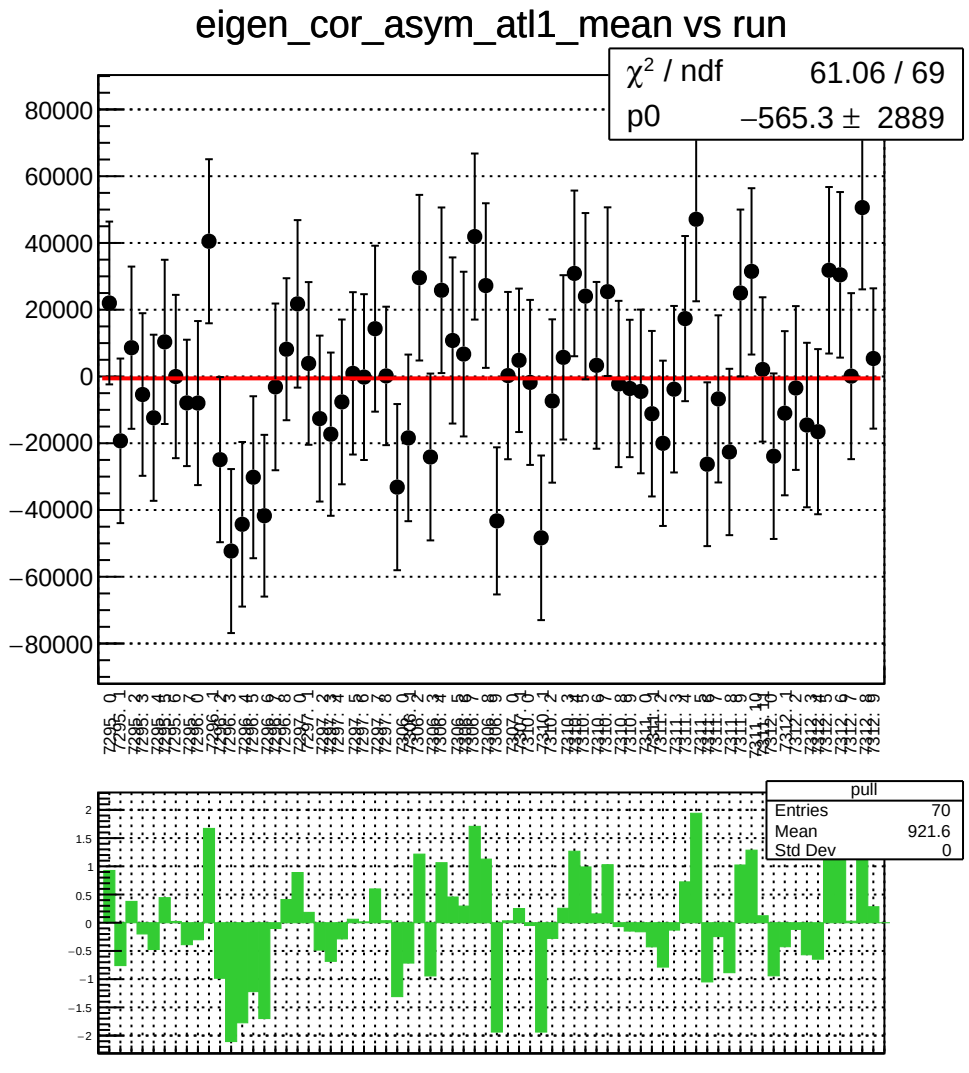

pull1D
Entries 70
Mean 0.004413
Std Dev 0.9339

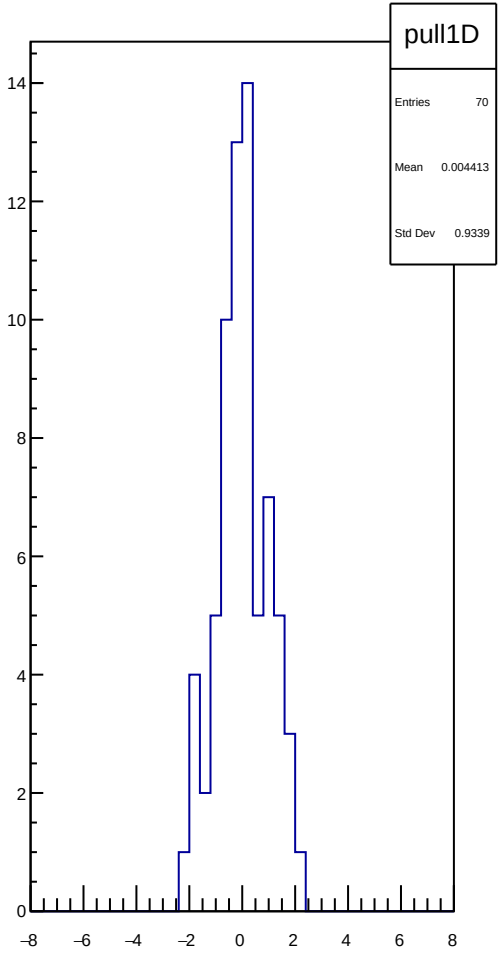

cor_asym_atl1_rms vs run
χ^2 / ndf 104 / 69
p0 2346 ± 2.043
2420
2400
2380
2360
2340
2320
2300
2280

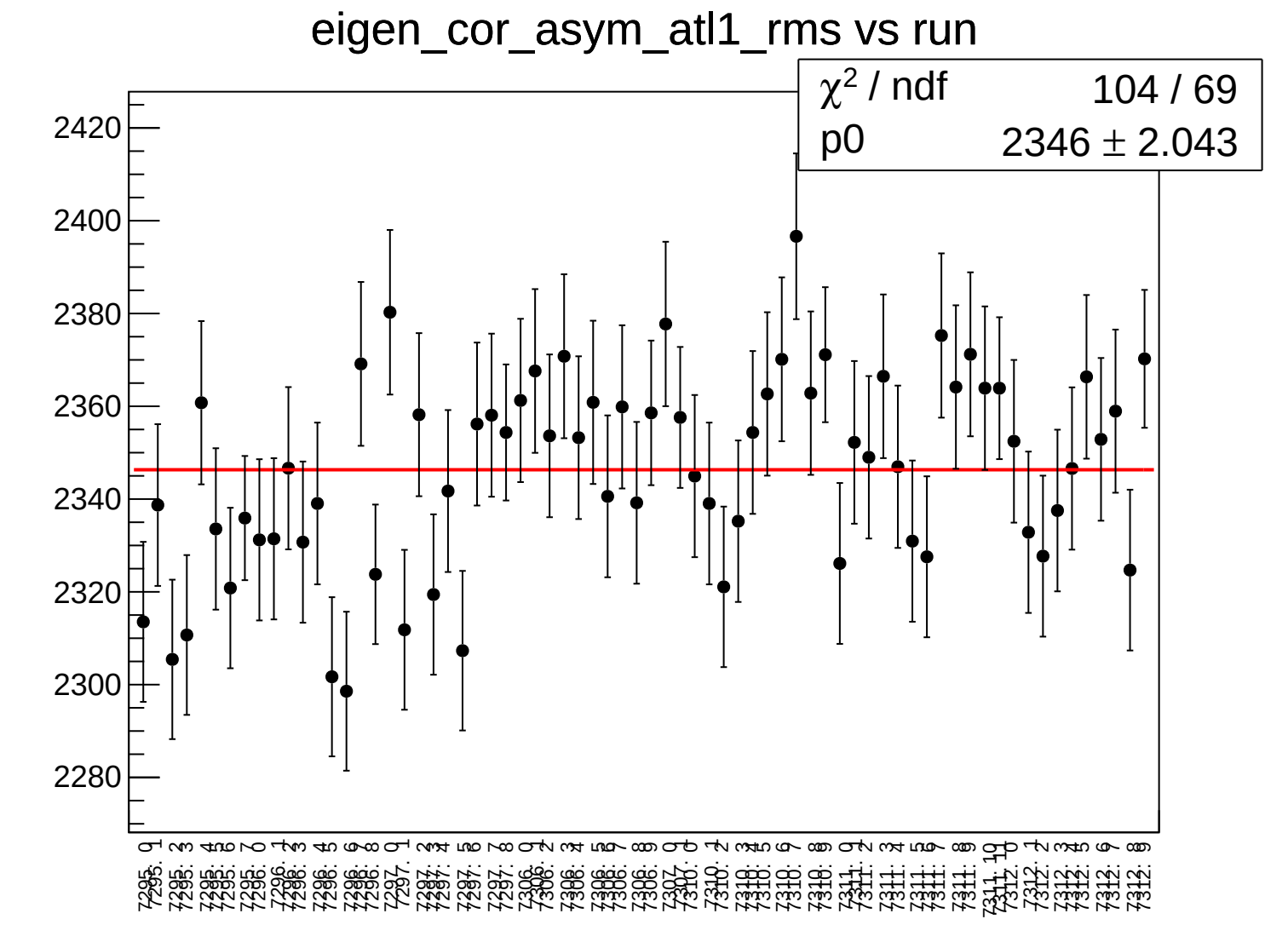

asym_atl1_cor_correction_mean vs run
χ² / ndf 64.1 / 69
p0 449 ± 781.8
pull
Entries 70
Mean 192.8
Std Dev 0

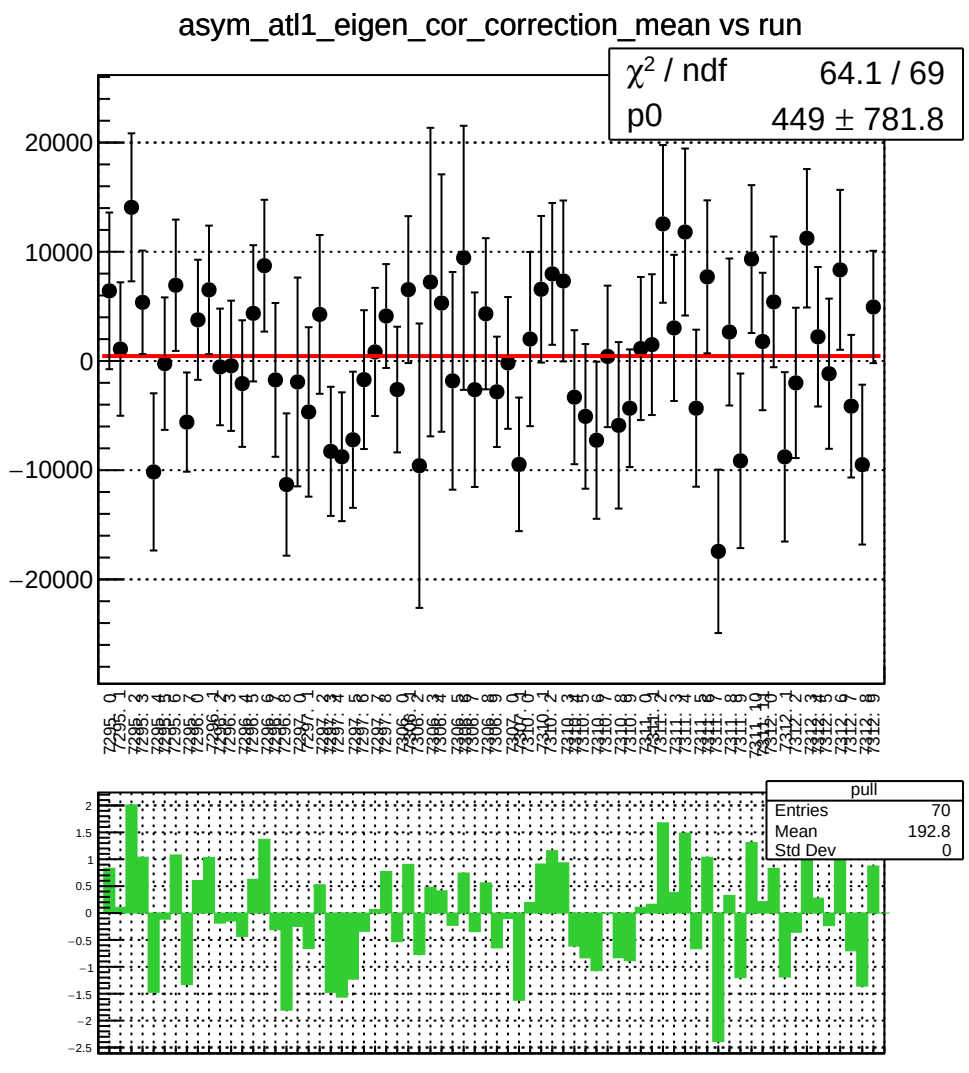

pull1D
Entries 70
Mean −0.001101
Std Dev 0.9569

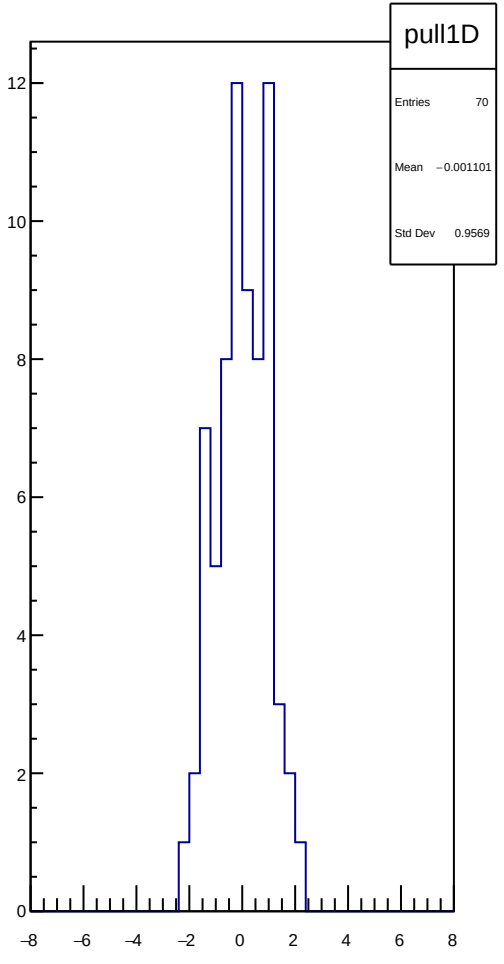

asym_atl1_cor_correction_rms vs run
χ² / ndf 3.626e+04 / 69
p0 626.1 ± 0.5528
1400
1200
1000
800
600
400

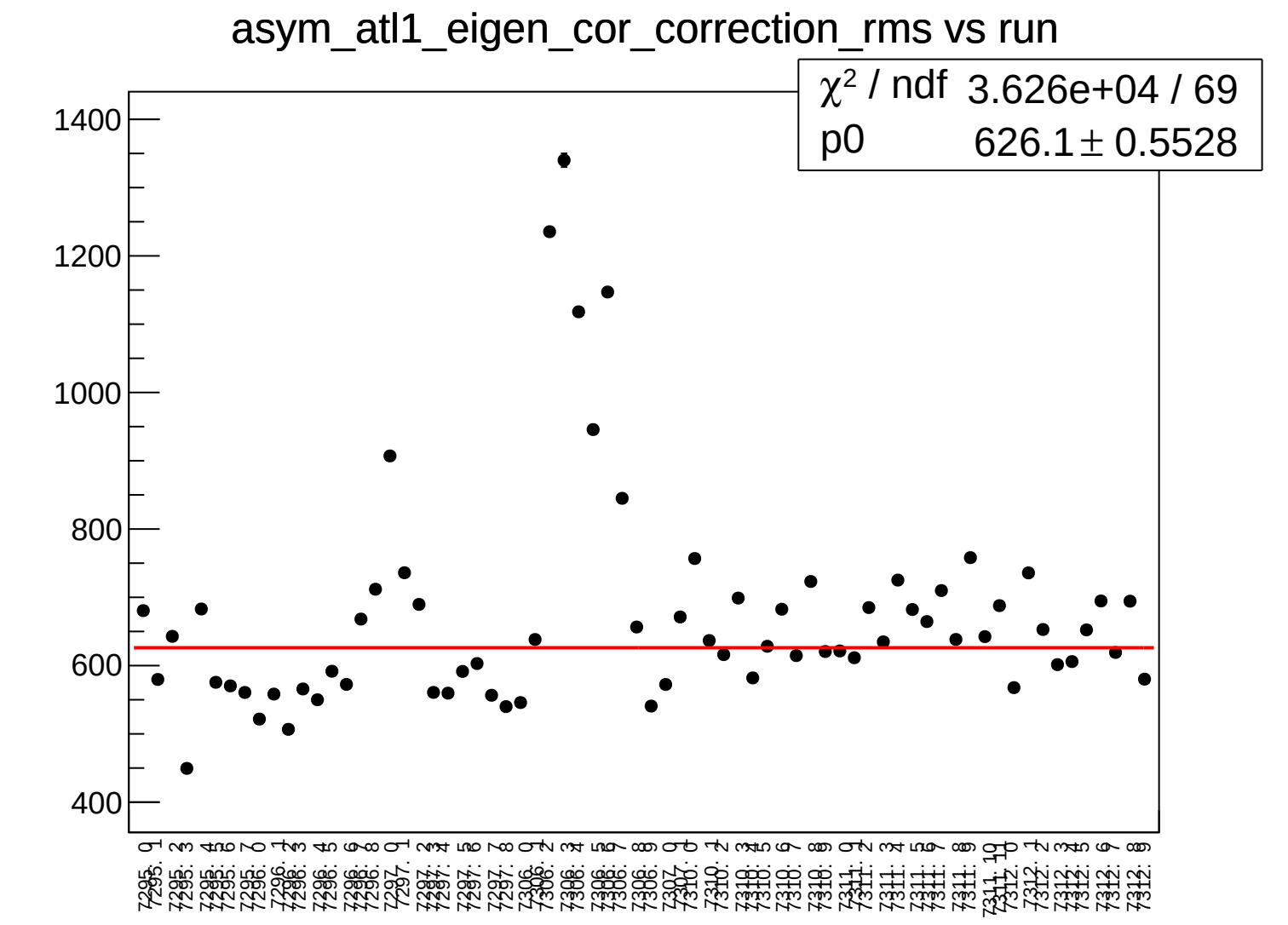

eigen_cor_asym_atl1_mean vs run
χ² / ndf 61.06 / 69
p0 −565.3 ± 2889
pull
Entries 70
Mean 921.6
Std Dev 0

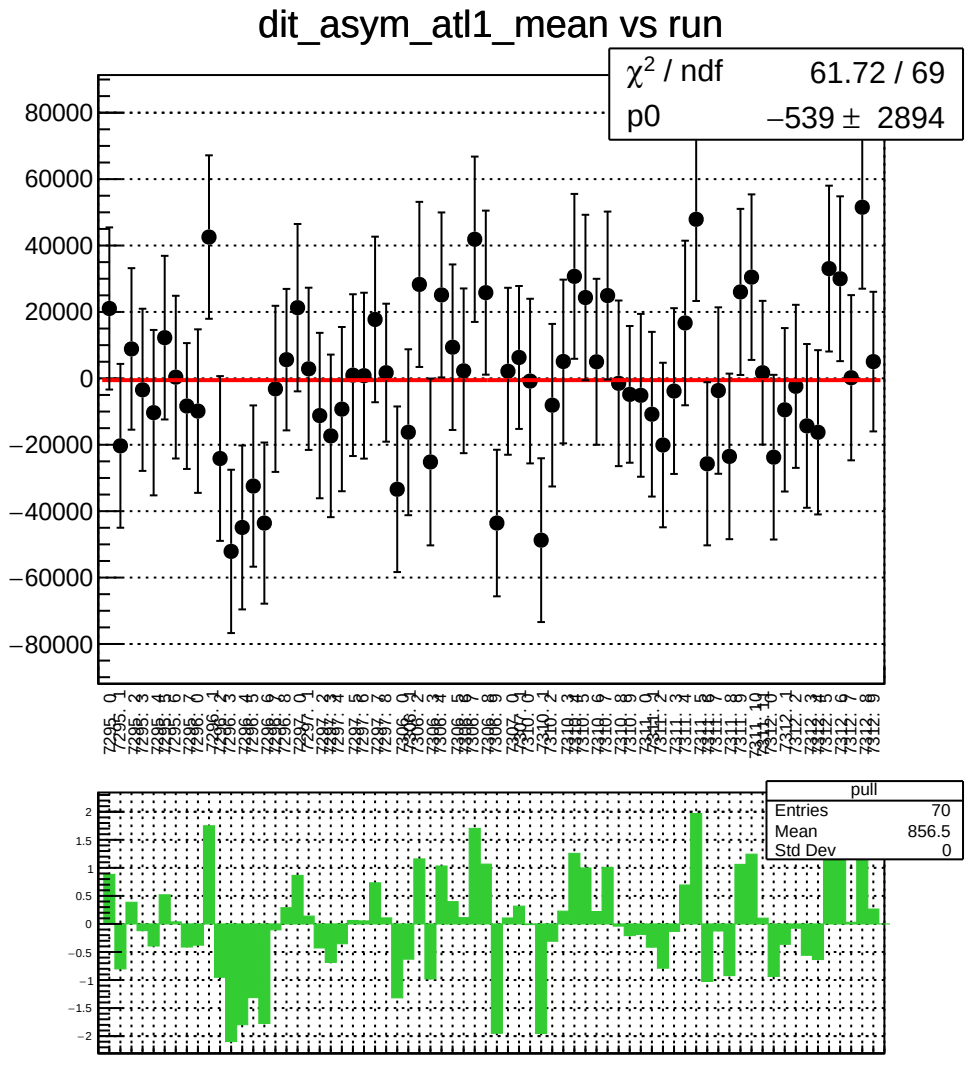

pull1D
Entries 70
Mean 0.004413
Std Dev 0.9339

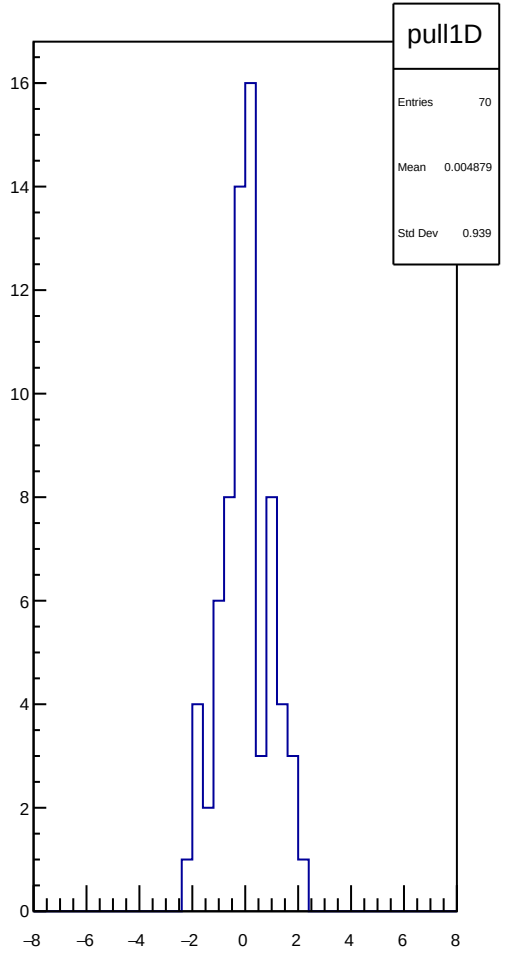

eigen_cor_asym_atl1_rms vs run
χ² / ndf 104 / 69
p0 2346 ± 2.043
2420
2400
2380
2360
2340
2320
2300
2280

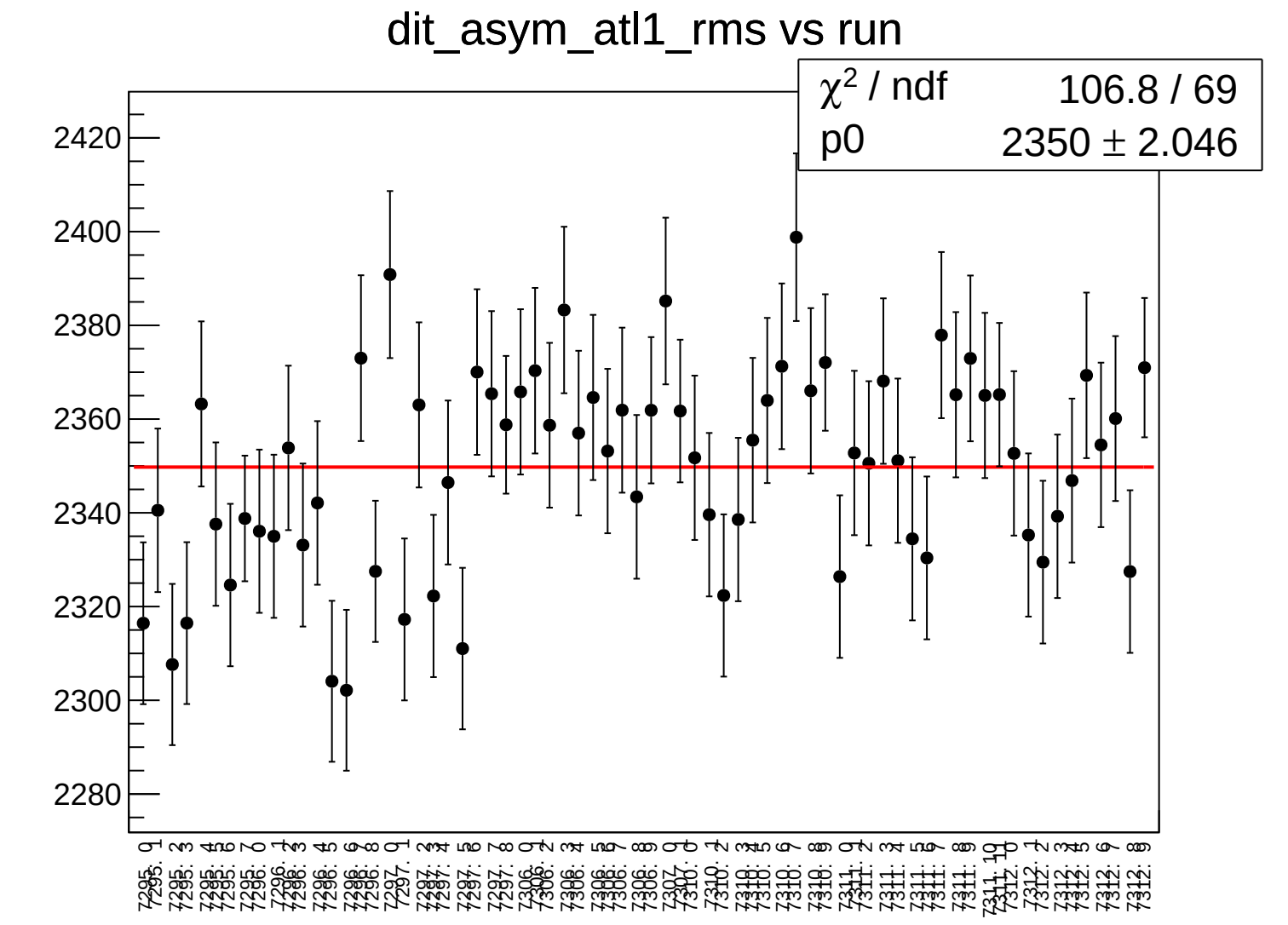

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 64.1 / 69
p0 449 ± 781.8
pull
Entries 70
Mean 192.8
Std Dev 0

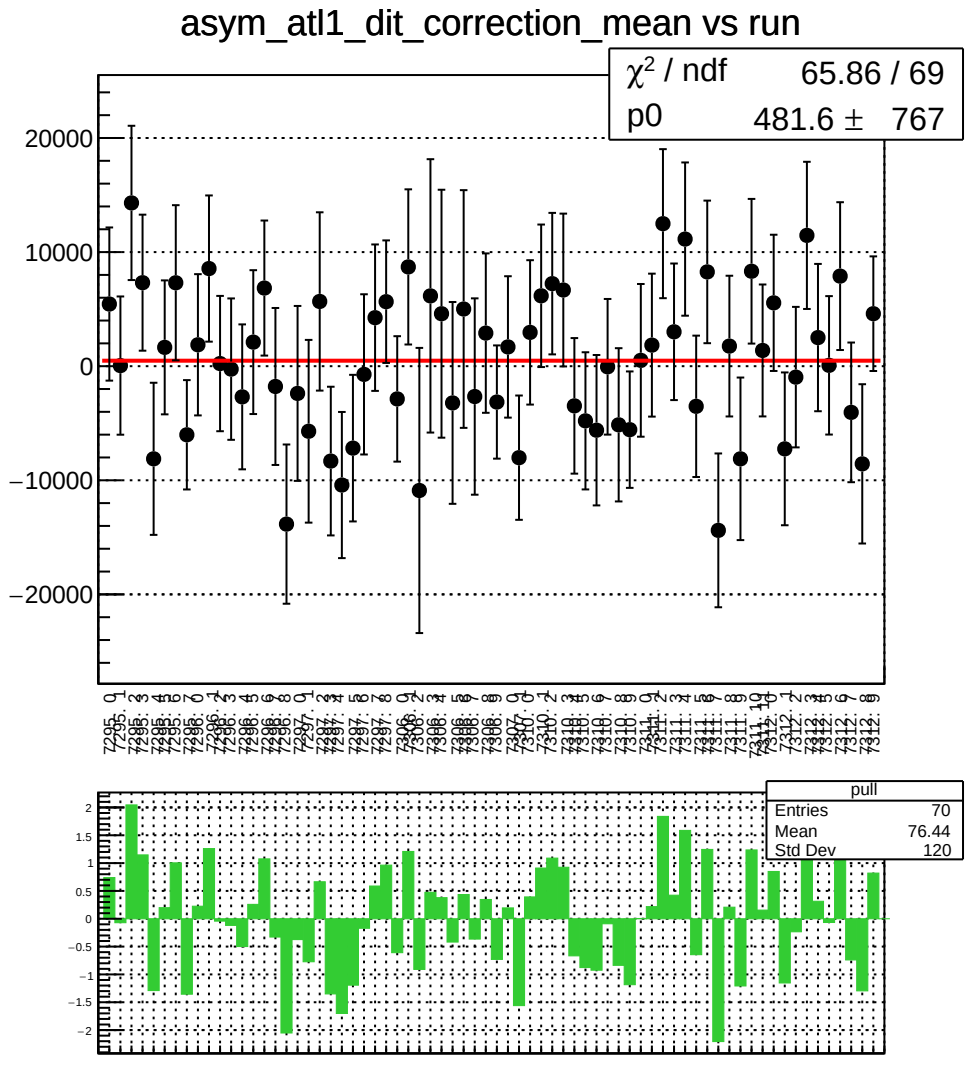

pull1D
Entries 70
Mean −0.001101
Std Dev 0.9569

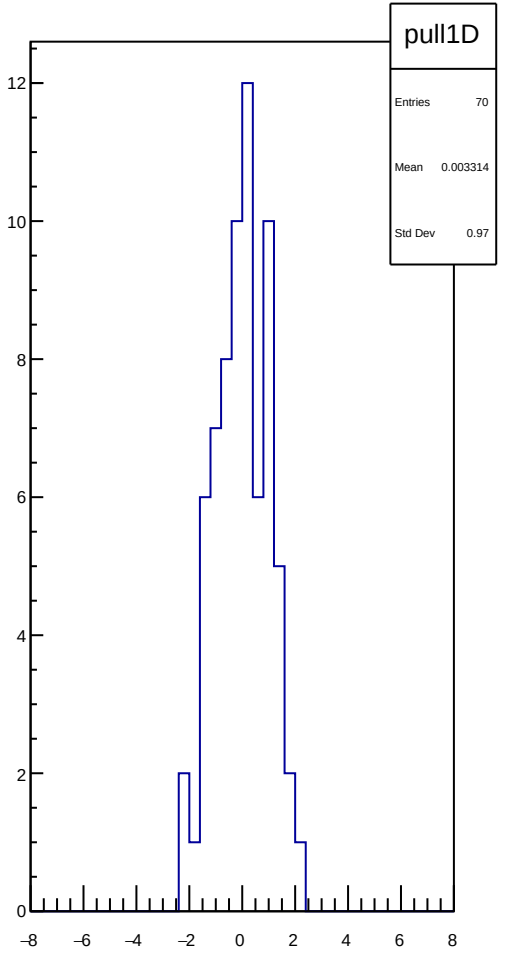

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 3.626e+04 / 69
p0 626.1 ± 0.5528
1400
1200
1000
800
600
400

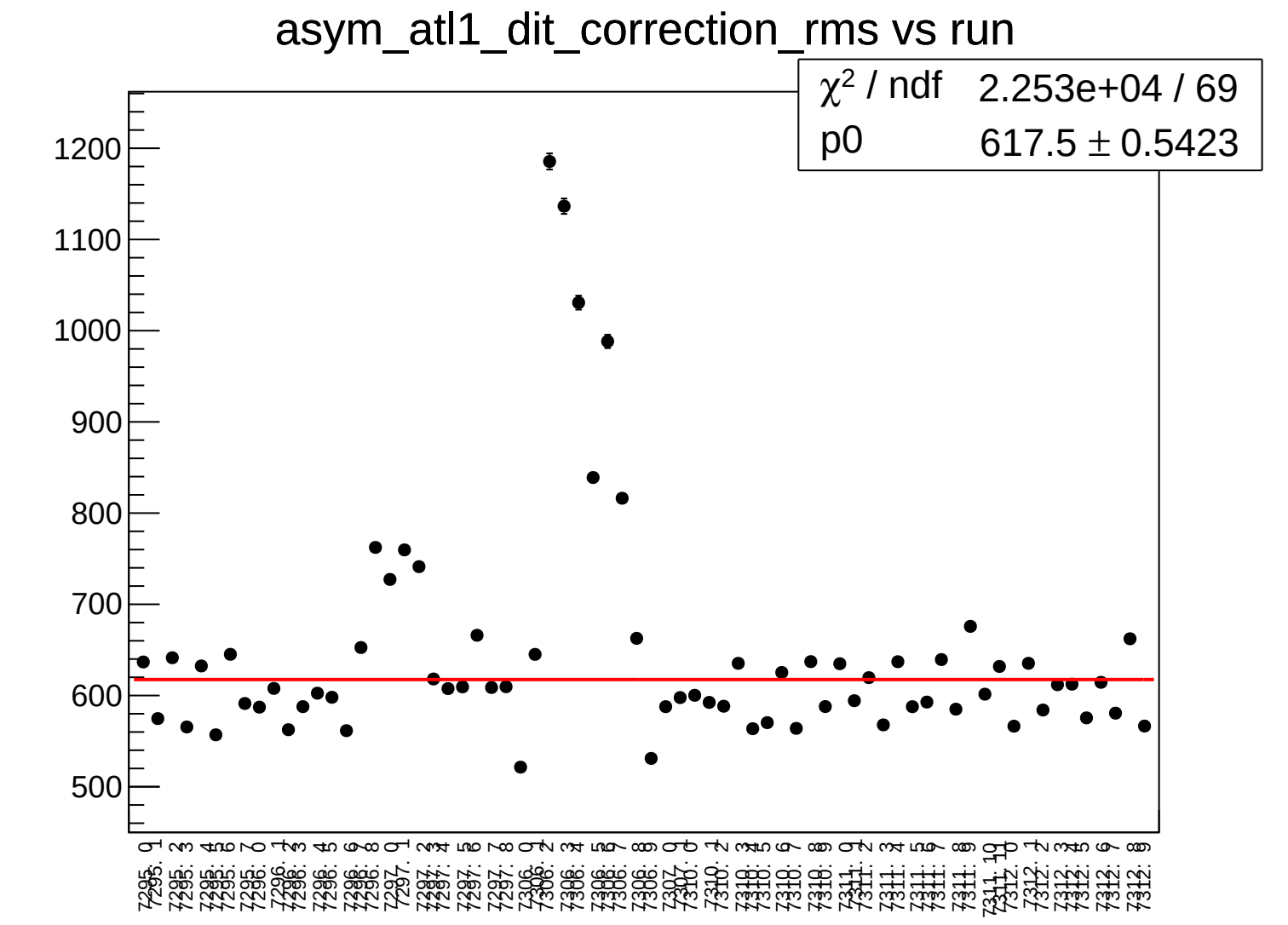

dit_asym_atl1_mean vs run
χ² / ndf 61.72 / 69
p0 −539 ± 2894
pull
Entries 70
Mean 856.5
Std Dev 0

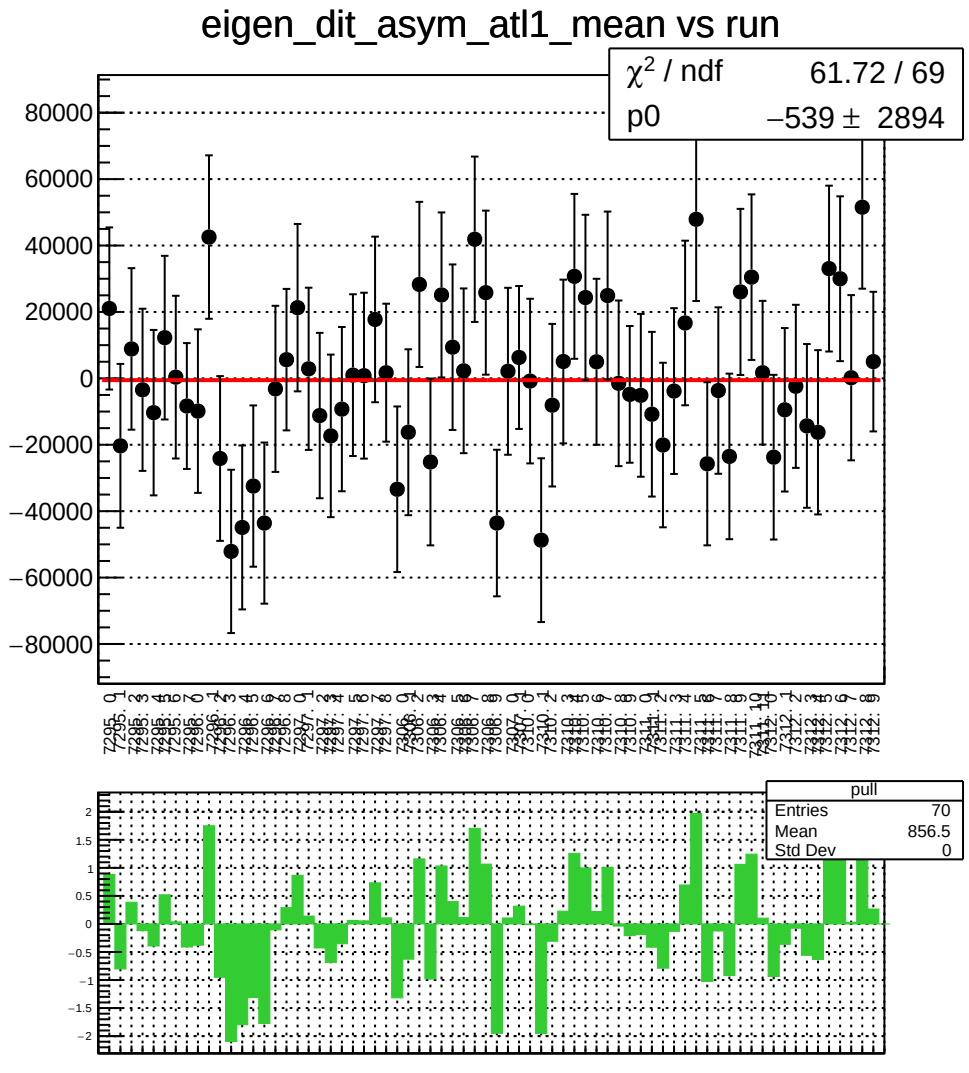

pull1D
Entries 70
Mean 0.004879
Std Dev 0.939

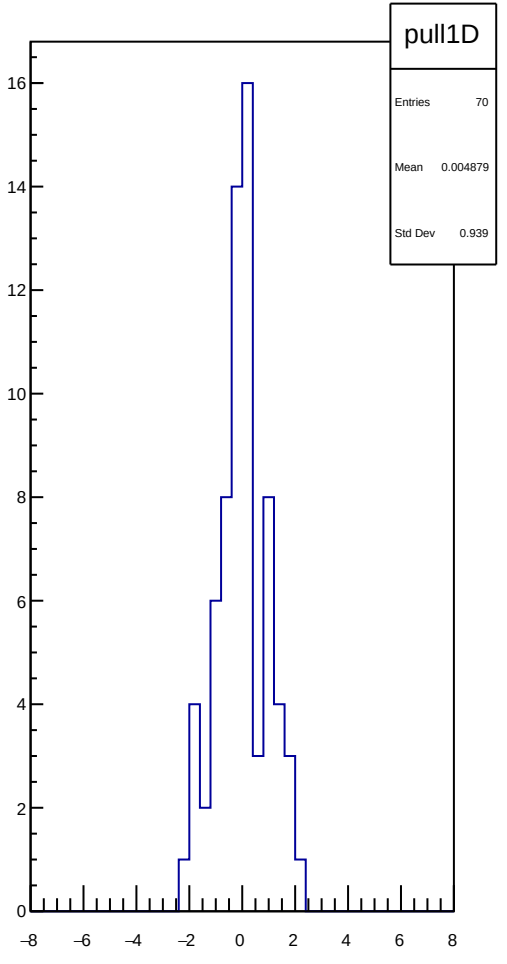

dit_asym_atl1_rms vs run
χ² / ndf 106.8 / 69
p0 2350 ± 2.046
2420
2400
2380
2360
2340
2320
2300
2280

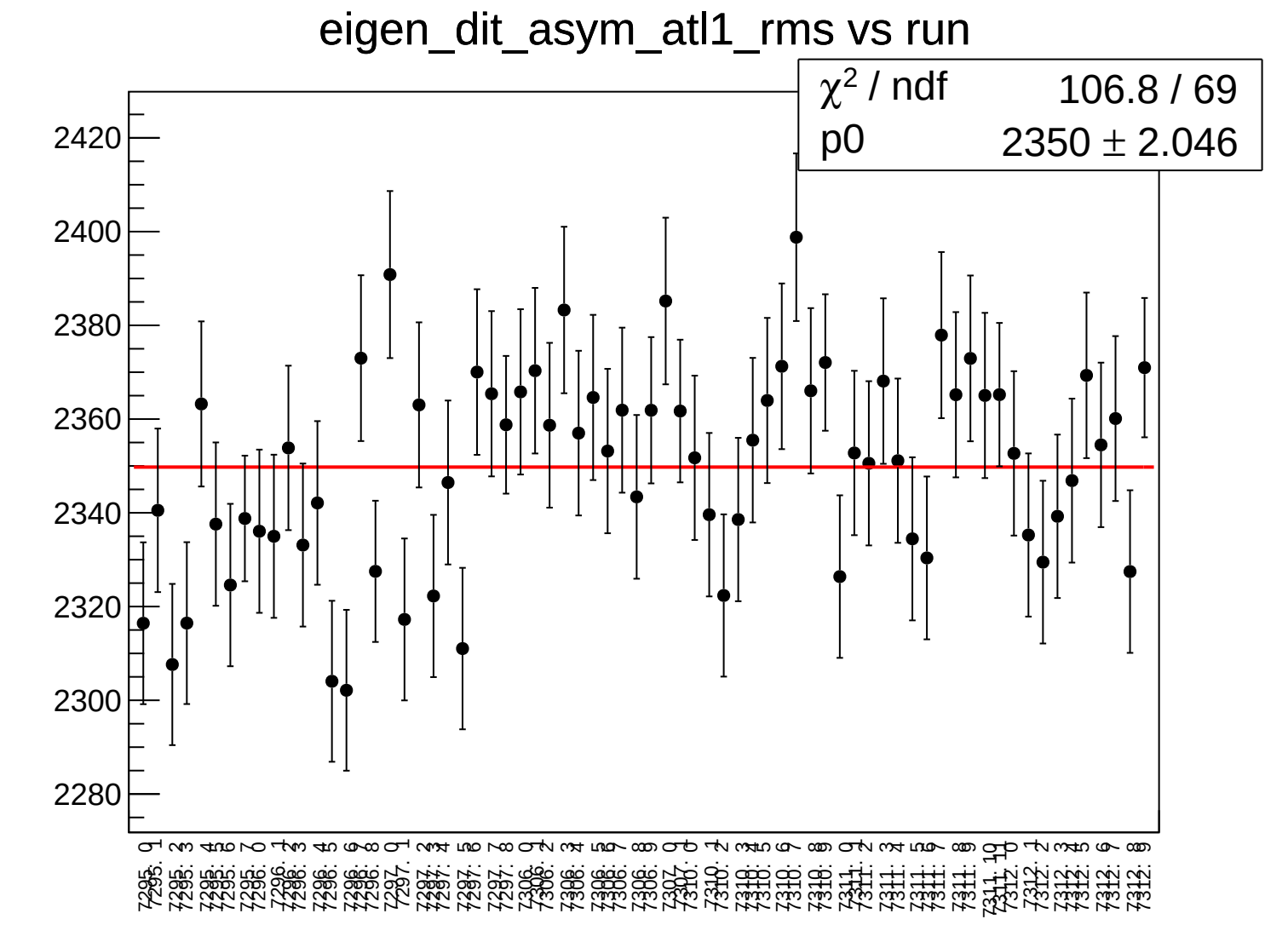

asym_atl1_dit_correction_mean vs run
χ² / ndf 65.86 / 69
p0 481.6 ± 767
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 76.44
Std Dev 120
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

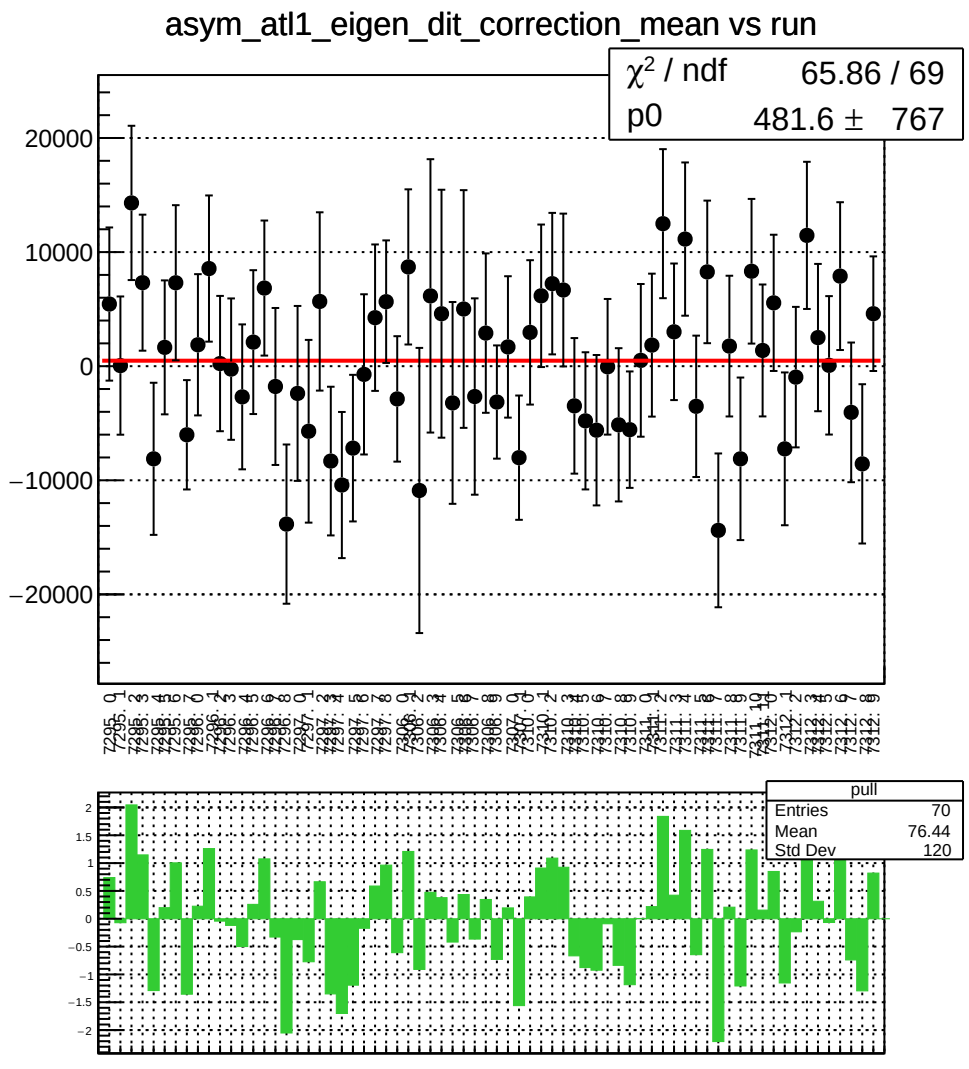

pull1D
Entries 70
Mean 0.003314
Std Dev 0.97
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

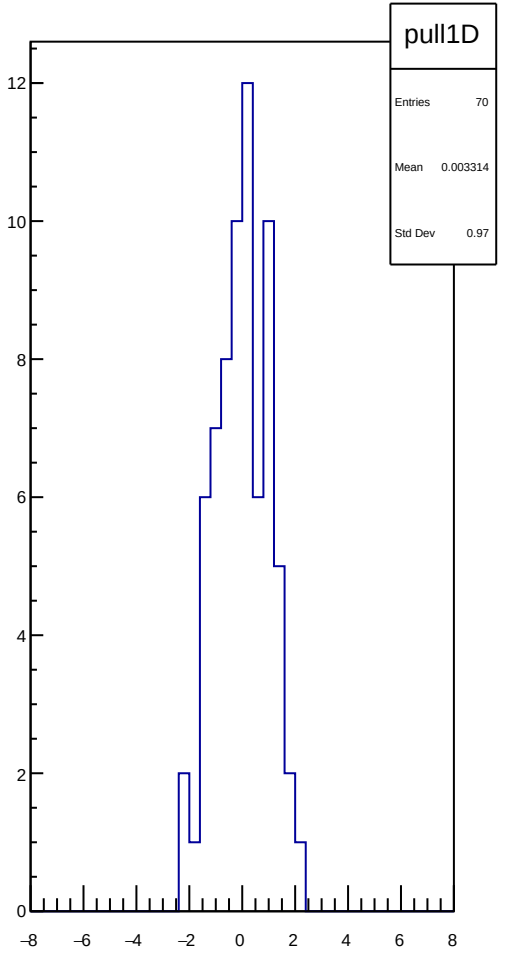

asym_atl1_dit_correction_rms vs run
χ² / ndf 2.253e+04 / 69
p0 617.5 ± 0.5423
1200
1100
1000
900
800
700
600
500

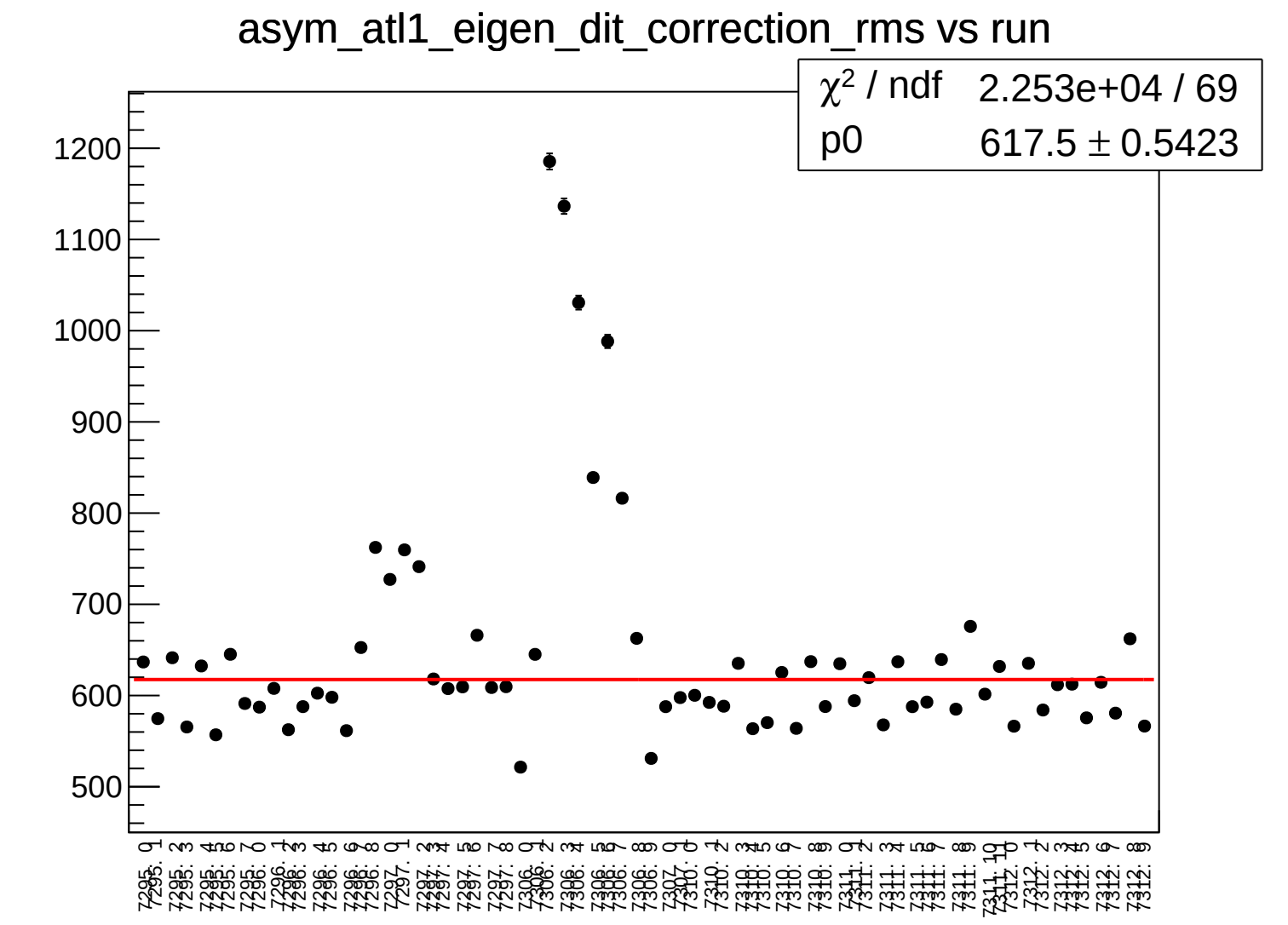

eigen_dit_asym_atl1_mean vs run
χ² / ndf 61.72 / 69
p0 −539 ± 2894
pull
Entries 70
Mean 856.5
Std Dev 0

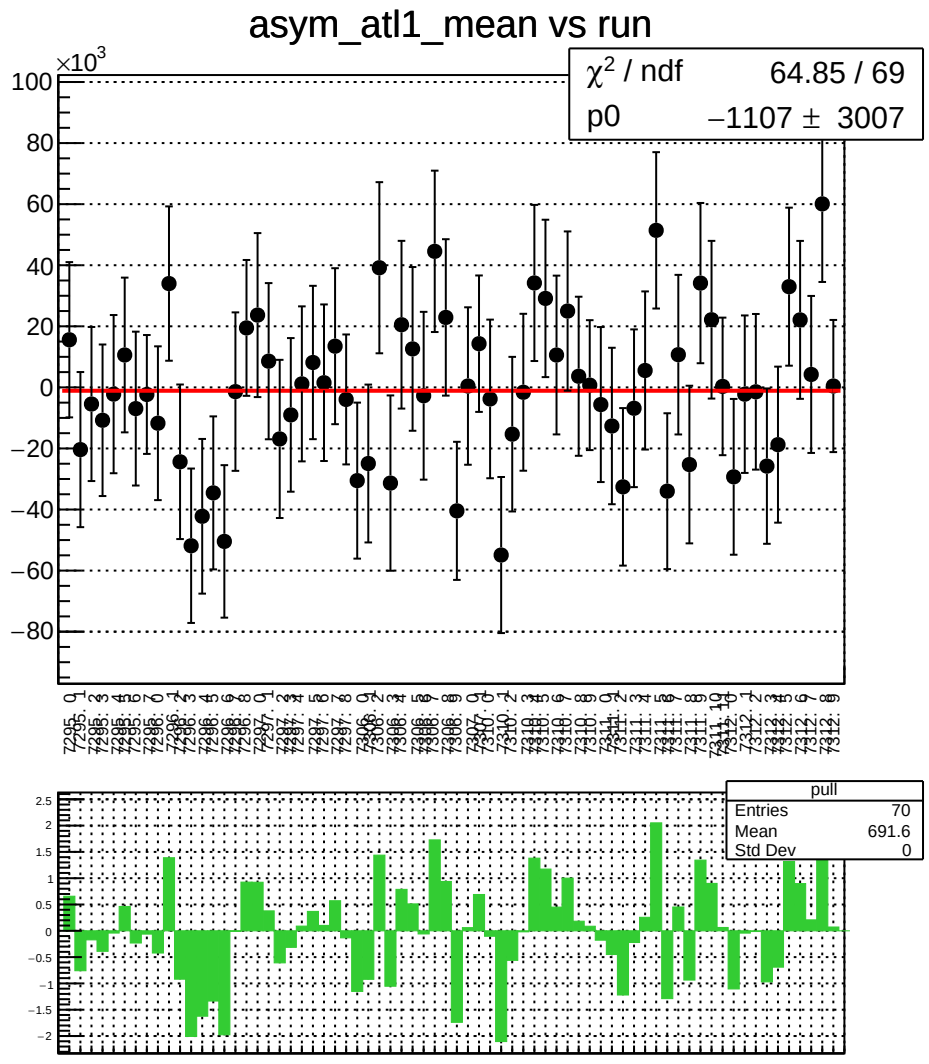

pull1D
Entries 70
Mean 0.004879
Std Dev 0.939

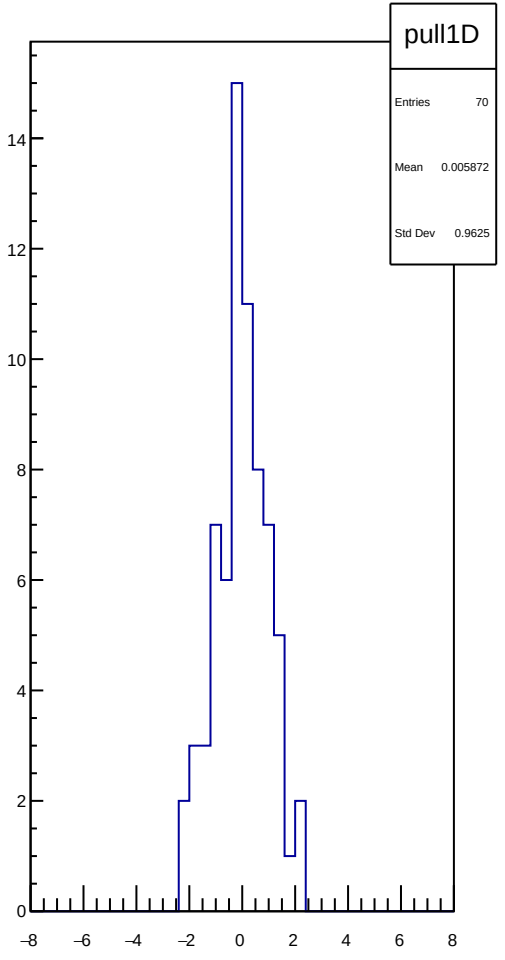

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 106.8 / 69
p0 2350 ± 2.046
2420
2400
2380
2360
2340
2320
2300
2280

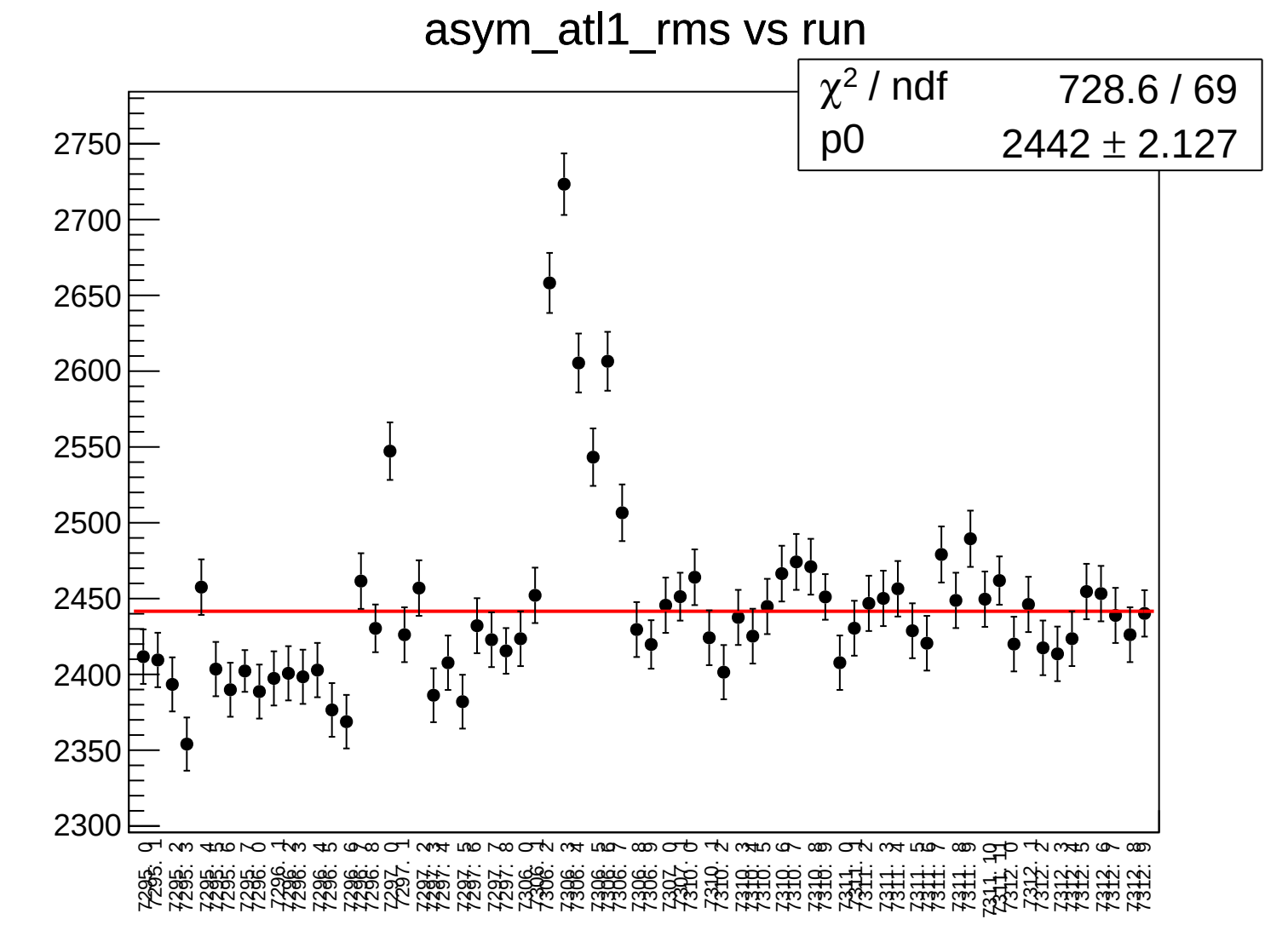

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 65.86 / 69
p0 481.6 ± 767
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 76.44
Std Dev 120
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

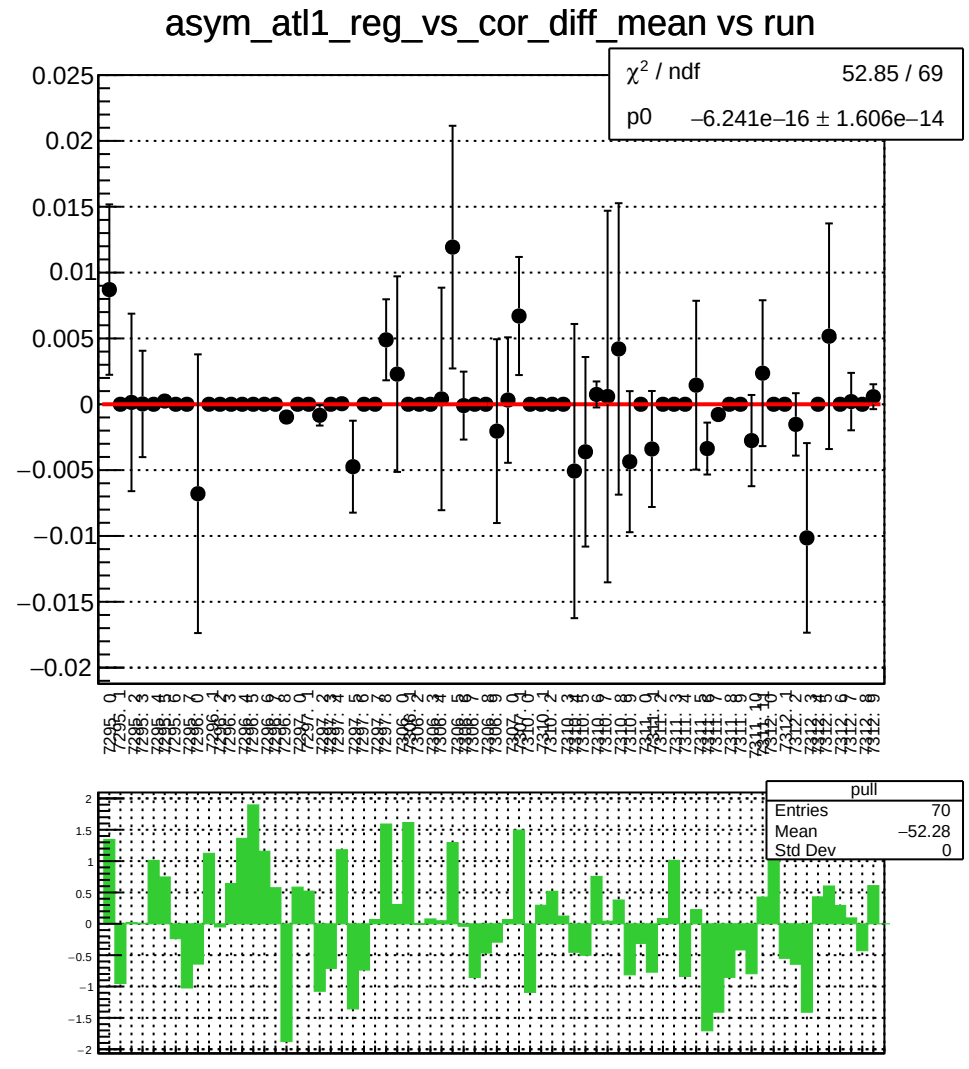

pull1D
Entries 70
Mean 0.003314
Std Dev 0.97
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

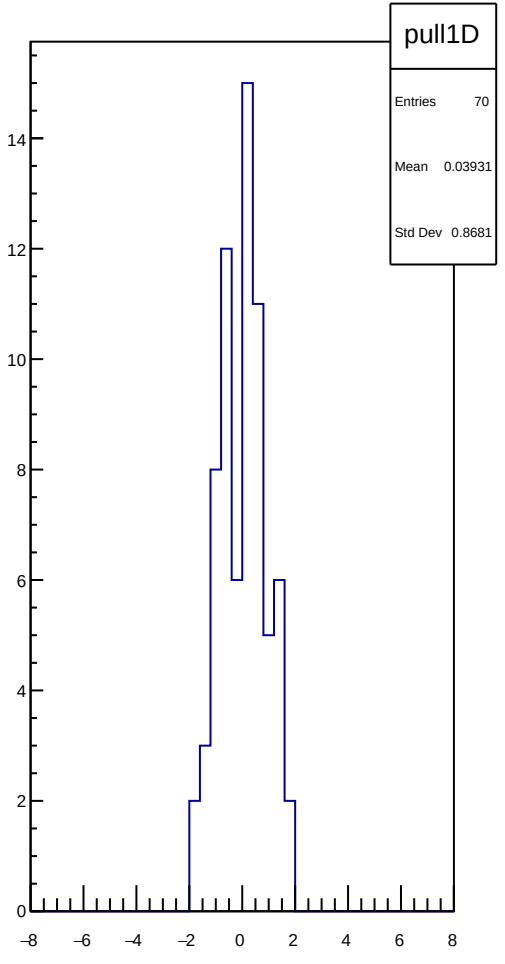

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 2.253e+04 / 69
p0 617.5 ± 0.5423
1200
1100
1000
900
800
700
600
500

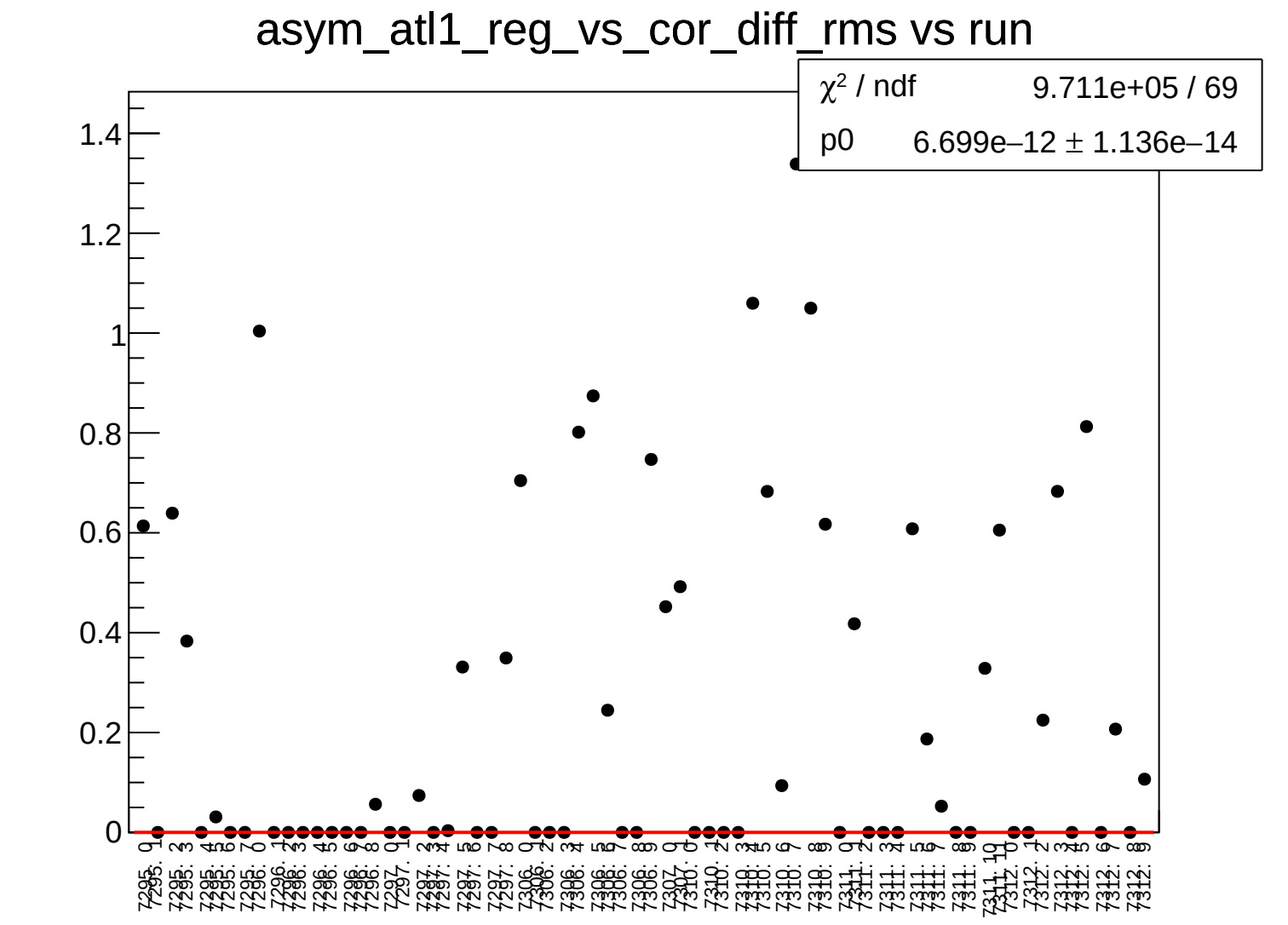

asym_atl1_mean vs run
×10^3
χ² / ndf 64.85 / 69
p0 −1107 ± 3007
pull
Entries 70
Mean 691.6
Std Dev 0

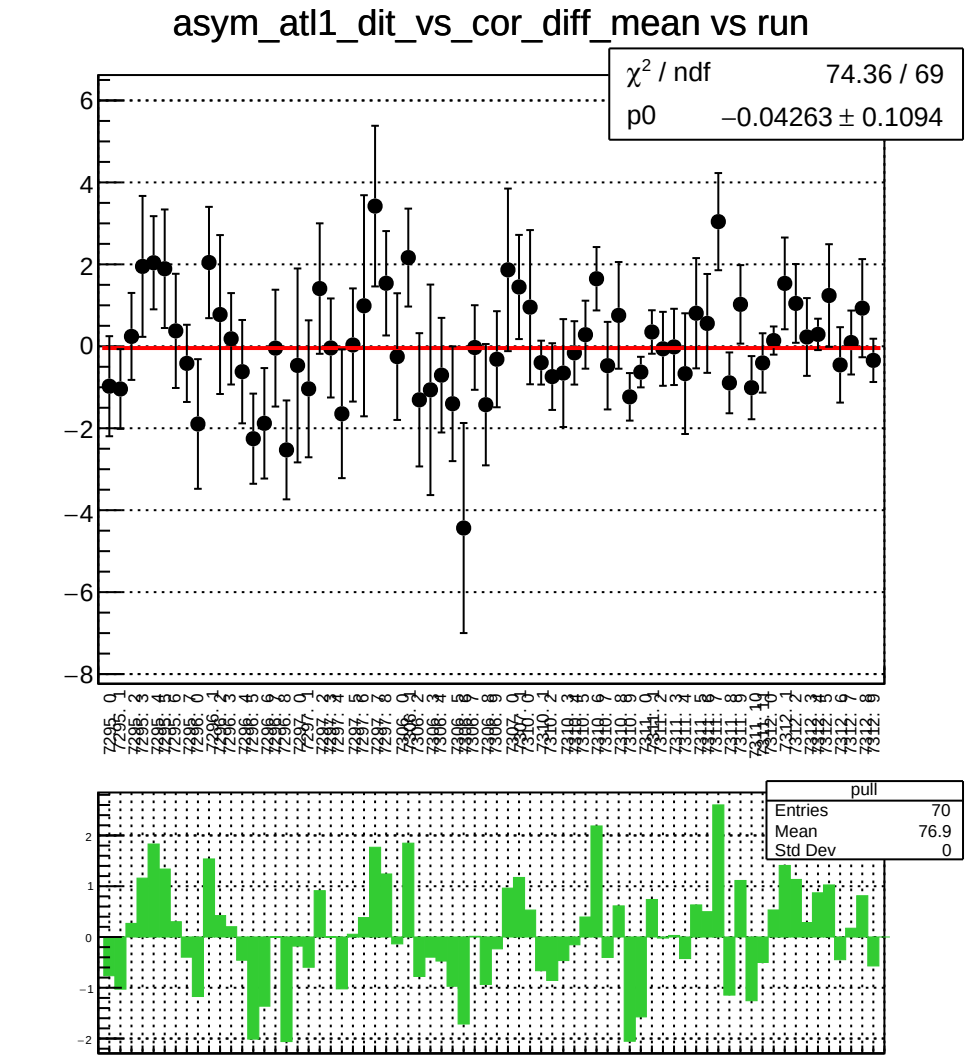

pull1D
Entries 70
Mean 0.005872
Std Dev 0.9625

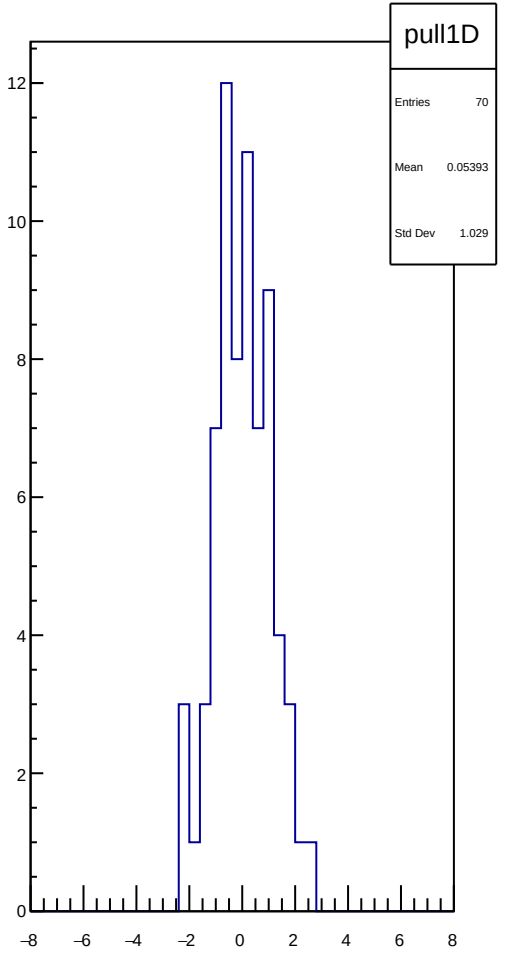

asym_atl1_rms vs run
χ^2 / ndf 728.6 / 69
p0 2442 ± 2.127
2750
2700
2650
2600
2550
2500
2450
2400
2350
2300

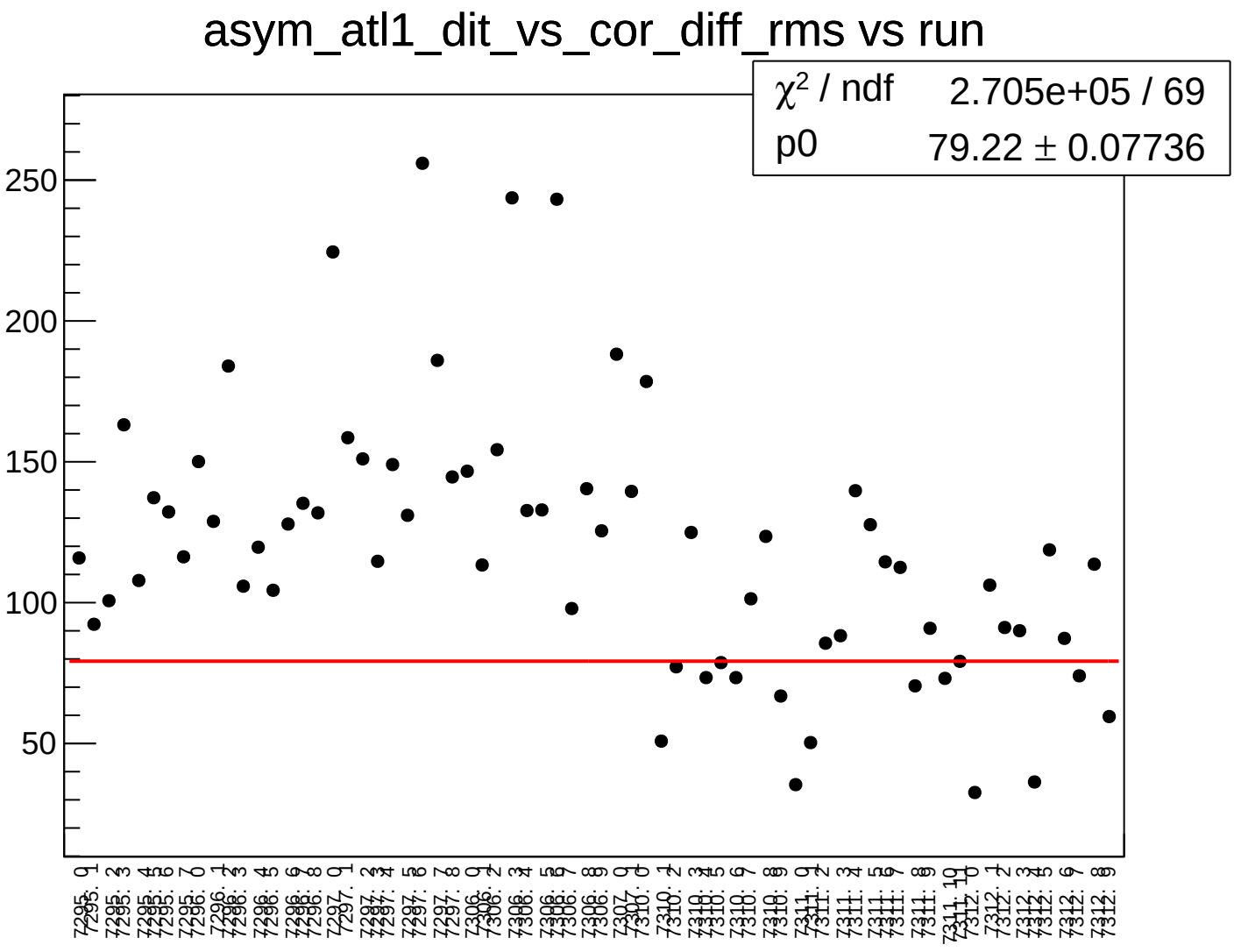

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 52.85 / 69
p0 −6.241e−16 ± 1.606e−14
pull
Entries 70
Mean −52.28
Std Dev 0

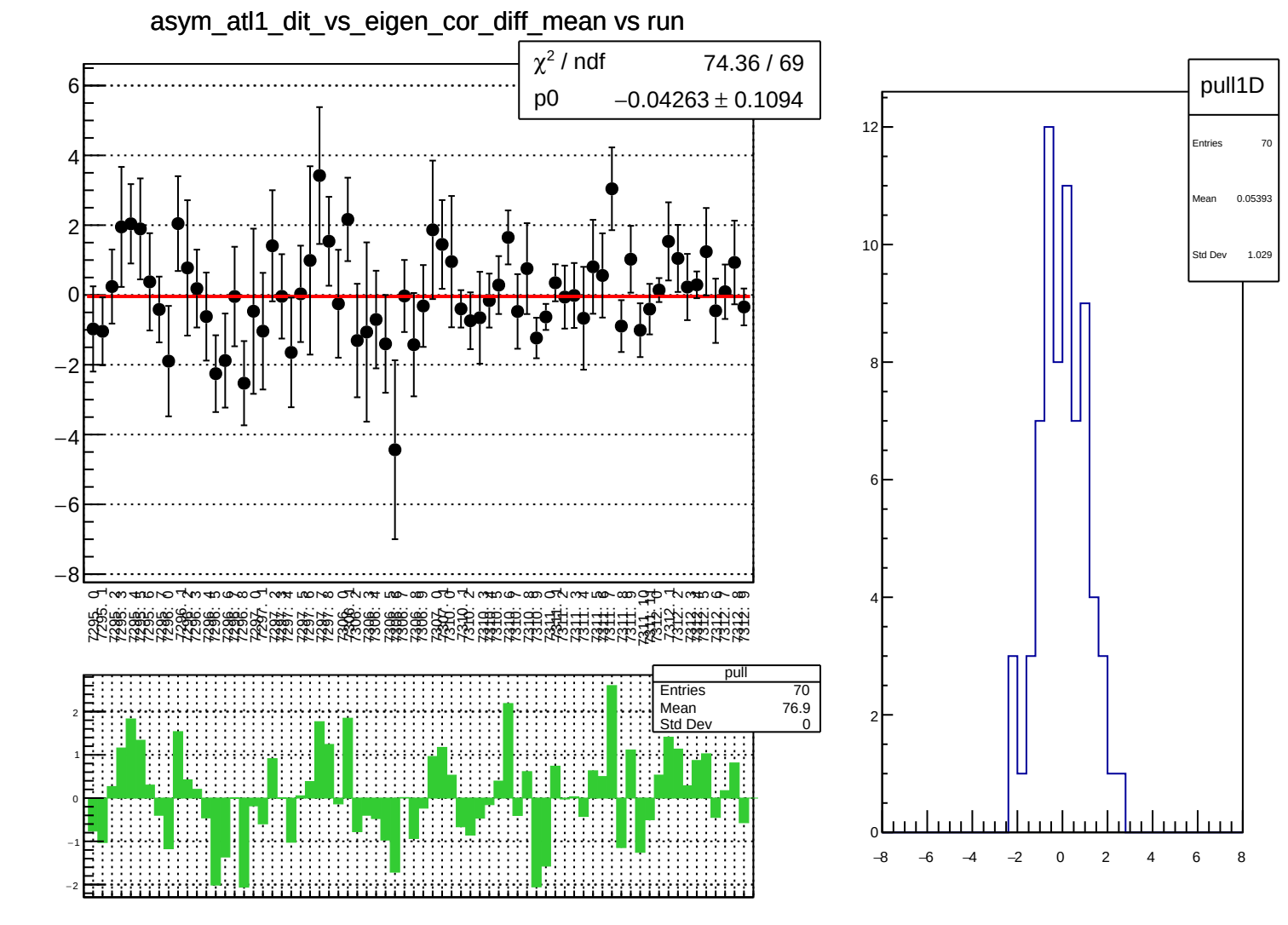

pull1D
Entries 70
Mean 0.03931
Std Dev 0.8681

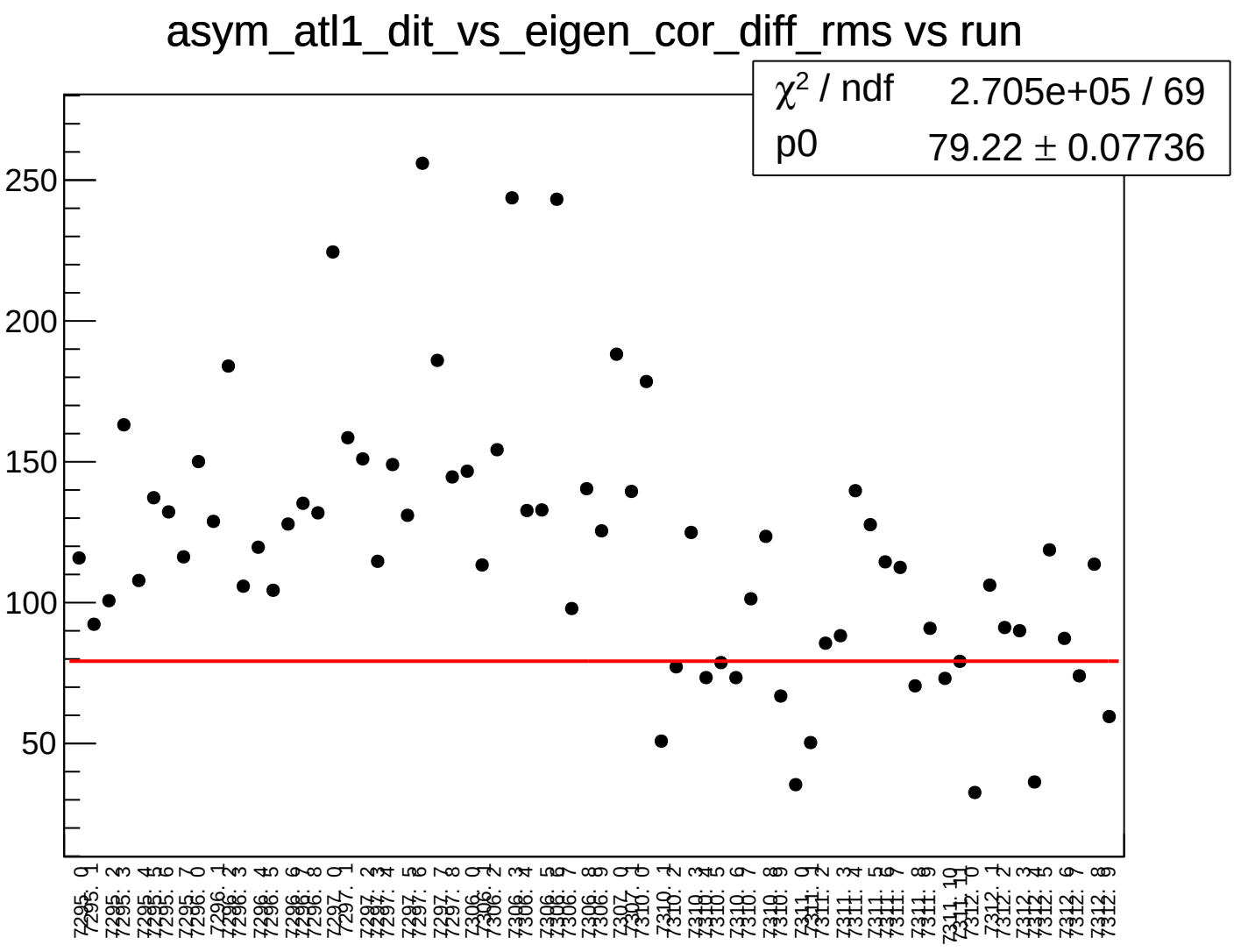

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.711e+05 / 69
p0 6.699e−12 ± 1.136e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

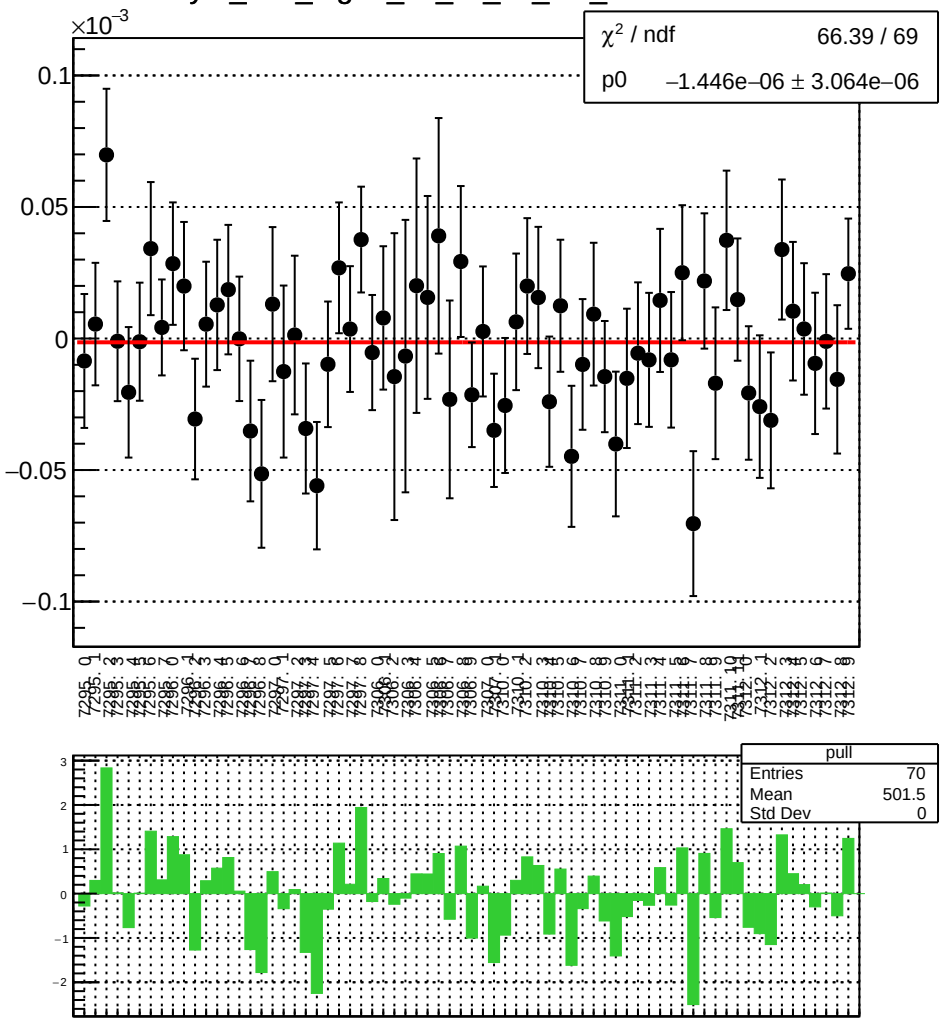

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 74.36 / 69
p0 −0.04263 ± 0.1094
pull
Entries 70
Mean 76.9
Std Dev 0

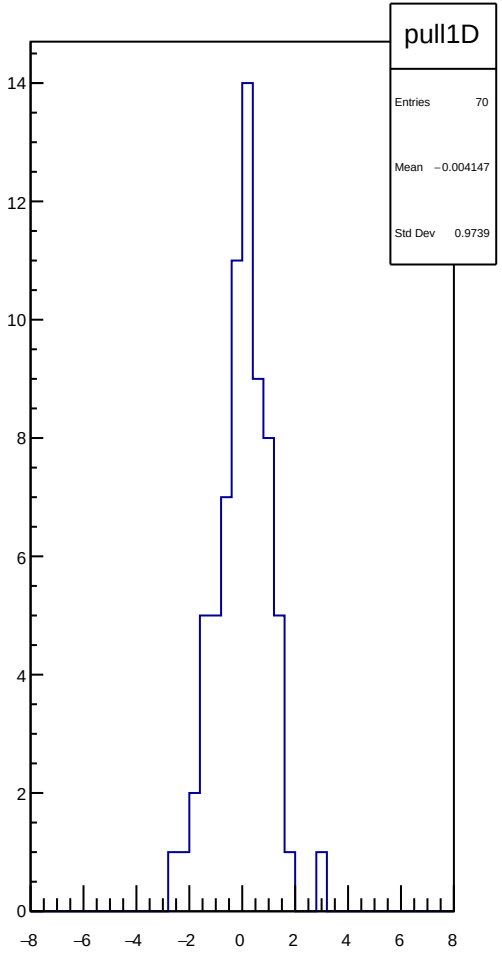

pull1D
Entries 70
Mean 0.05393
Std Dev 1.029

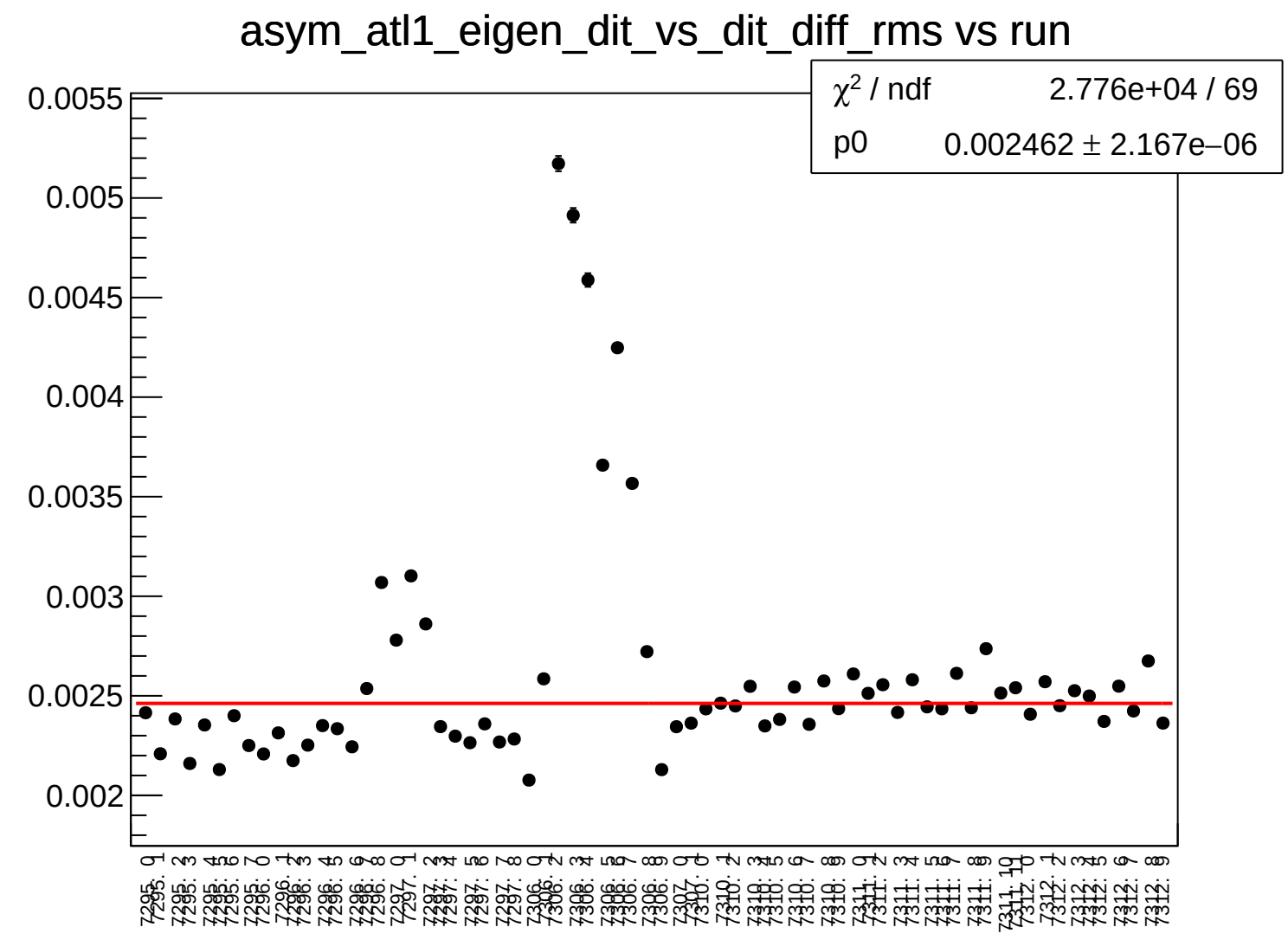

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.705e+05 / 69
p0 79.22 ± 0.07736
250
200
150
100
50

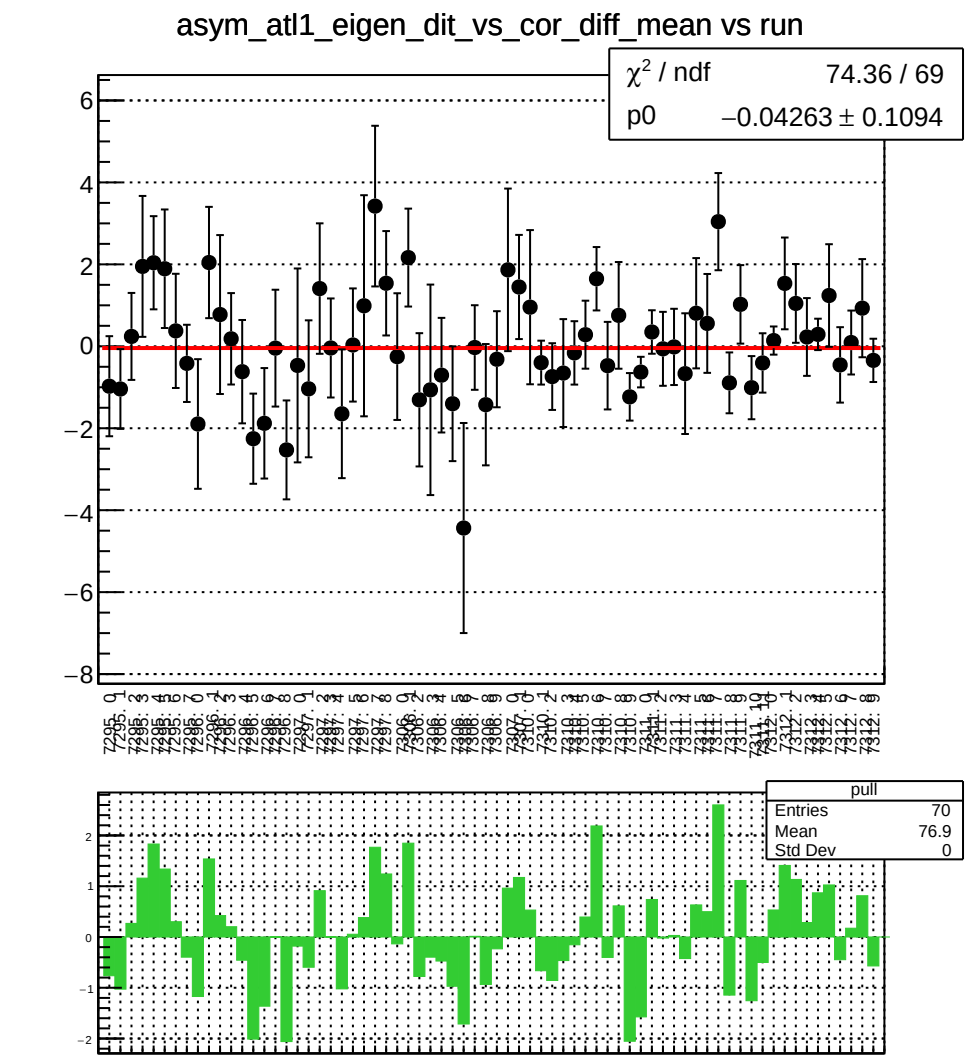

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.36 / 69
p0 −0.04263 ± 0.1094
pull
Entries 70
Mean 76.9
Std Dev 0
pull1D
Entries 70
Mean 0.05393
Std Dev 1.029

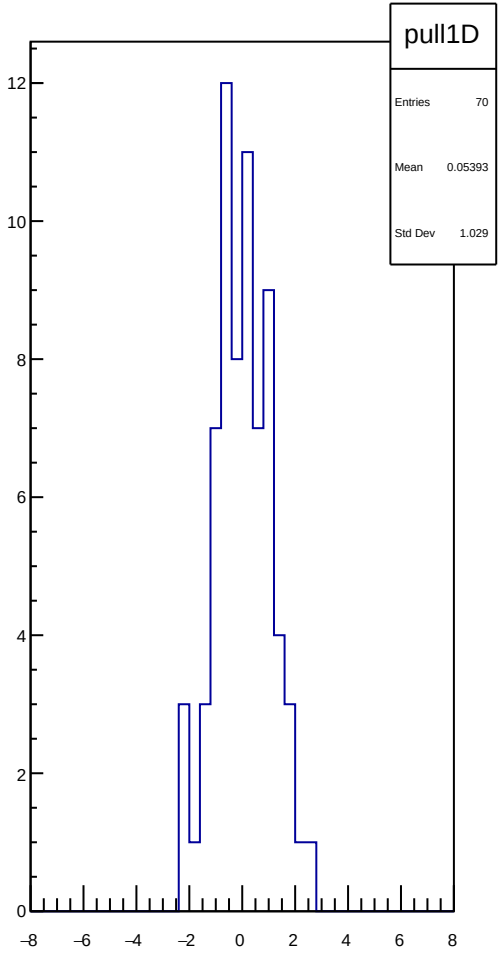

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.705e+05 / 69
p0 79.22 ± 0.07736
250
200
150
100
50

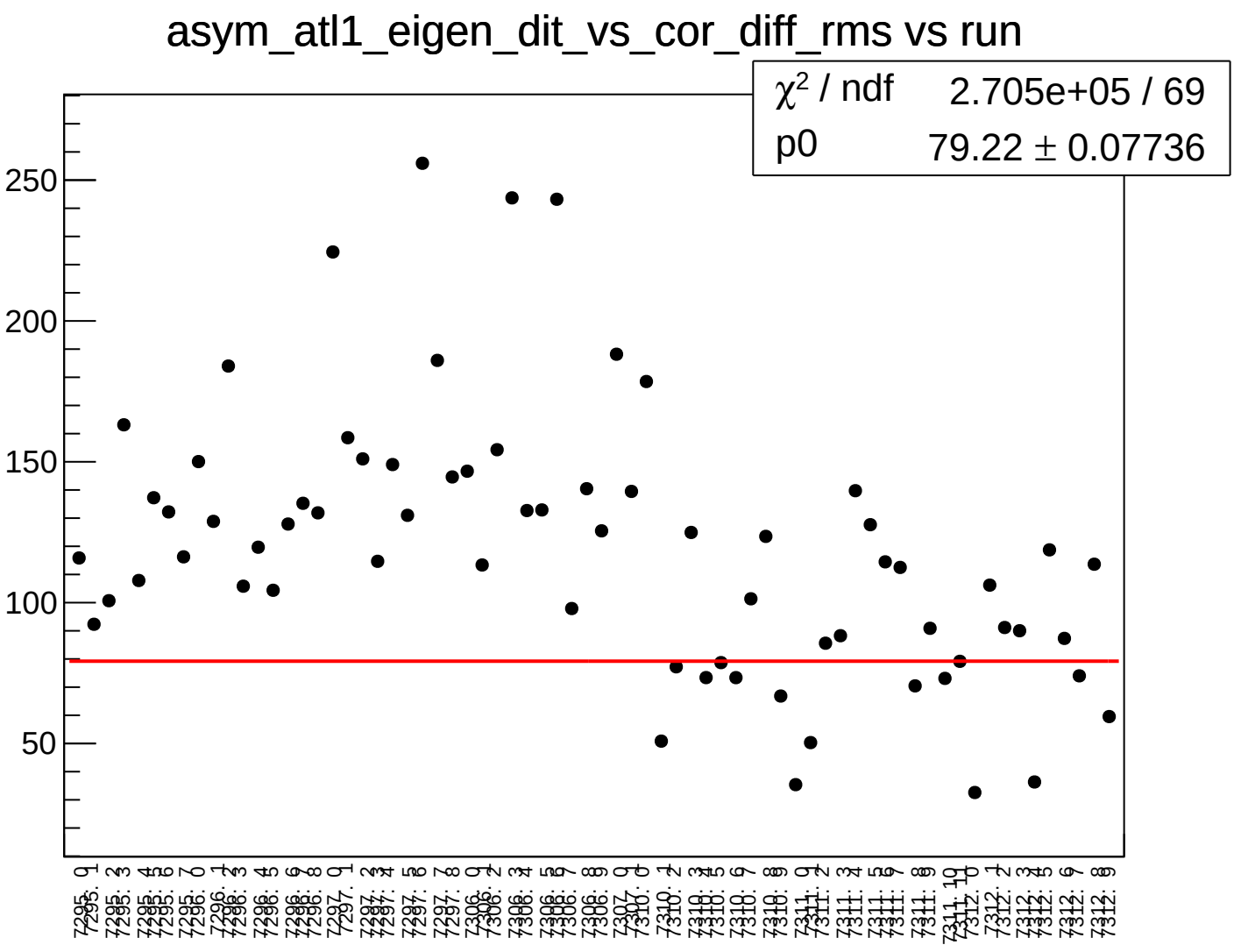

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.39 / 69
p0 −1.446e−06 ± 3.064e−06
pull
Entries 70
Mean 501.5
Std Dev 0

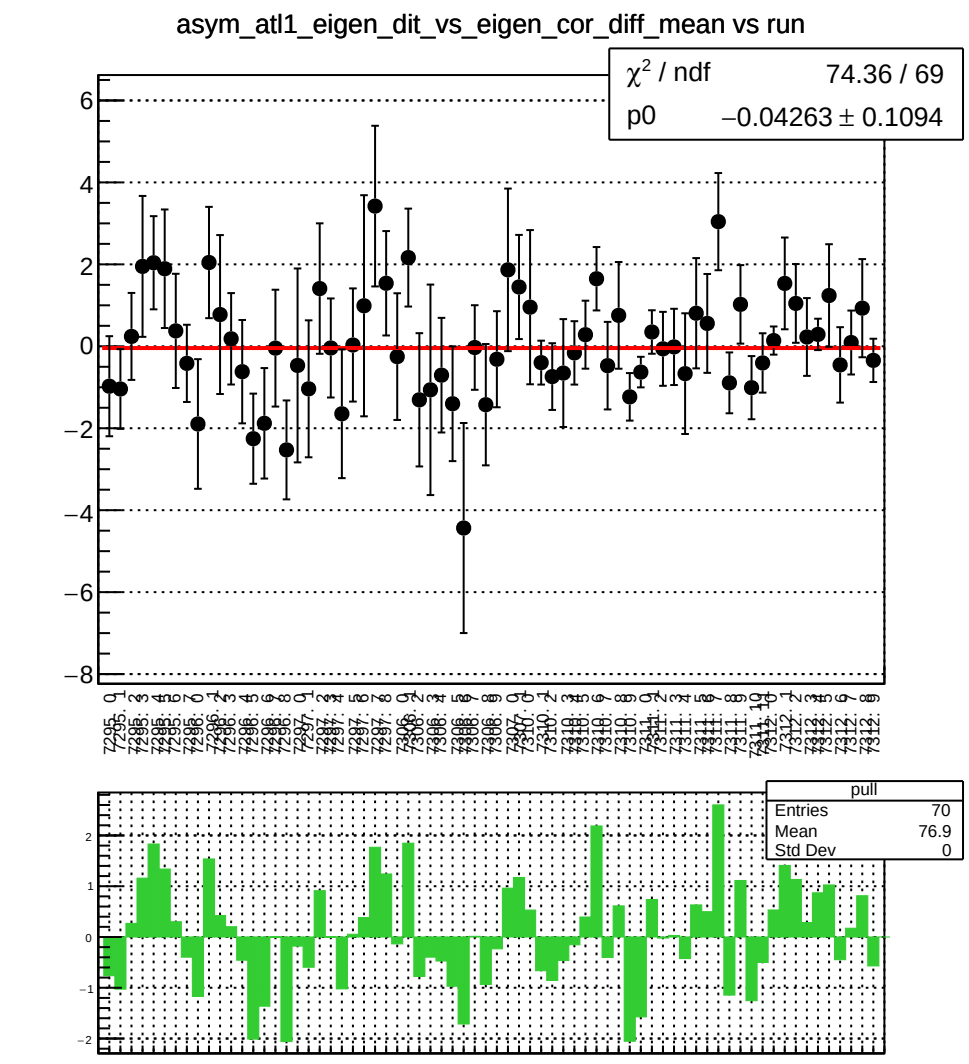

pull1D
Entries 70
Mean −0.004147
Std Dev 0.9739

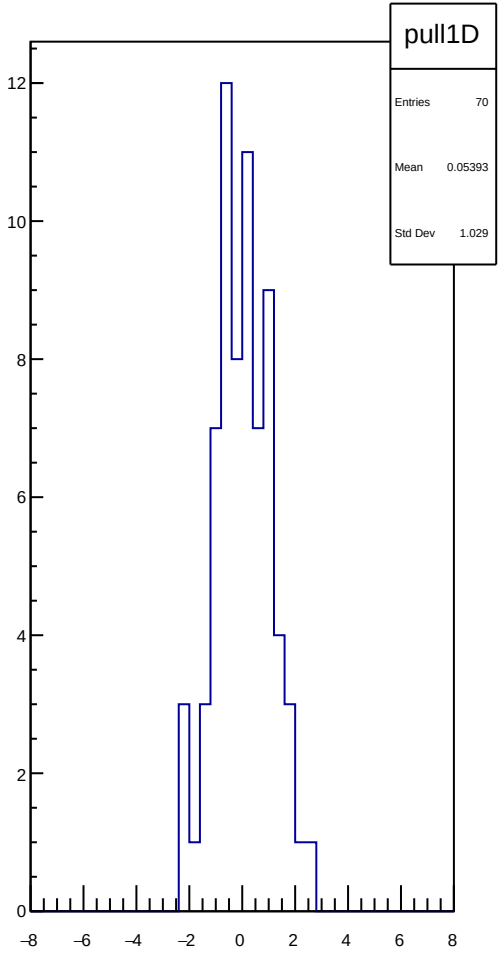

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.776e+04 / 69
p0 0.002462 ± 2.167e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

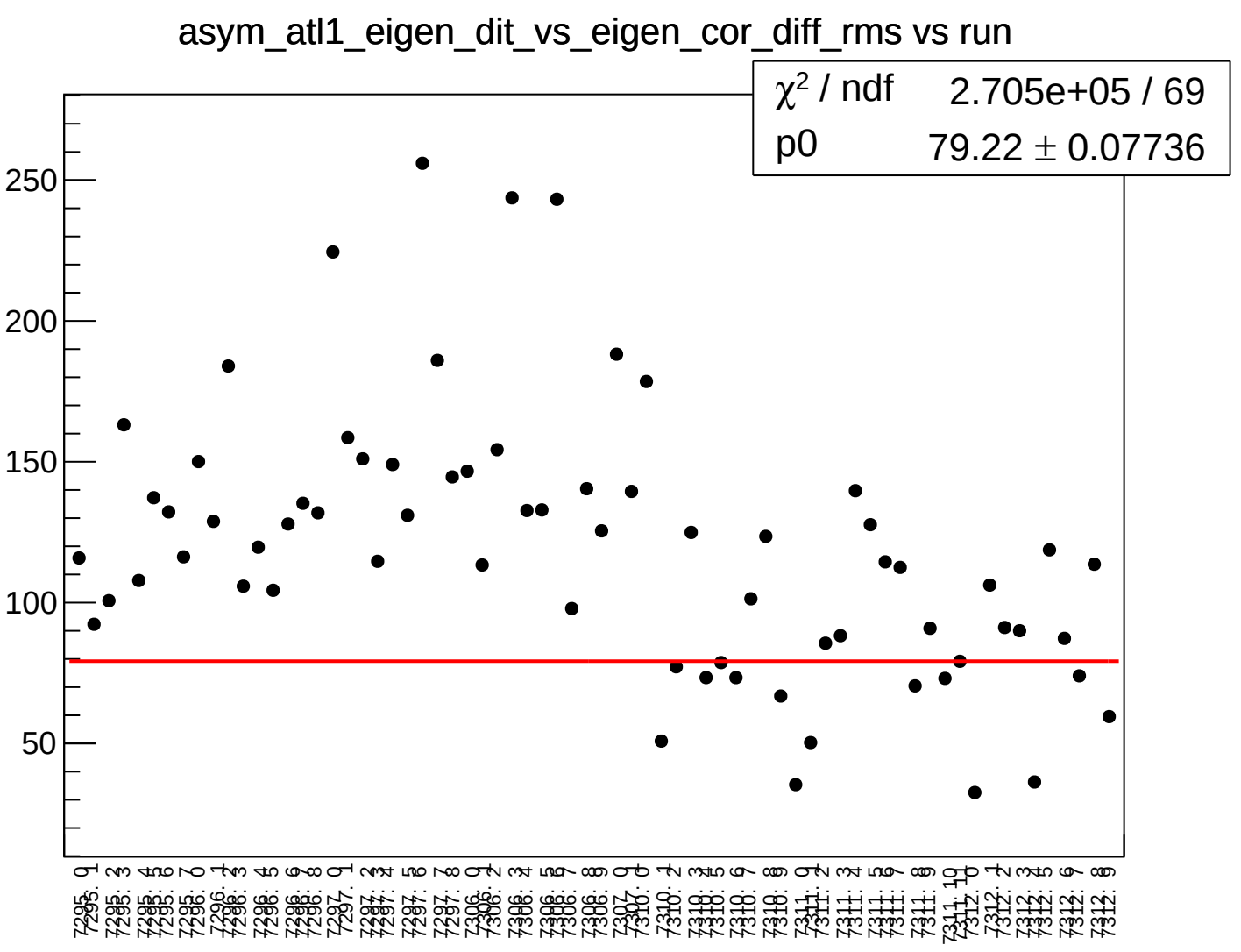

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.36 / 69
p0 −0.04263 ± 0.1094
pull
Entries 70
Mean 76.9
Std Dev 0

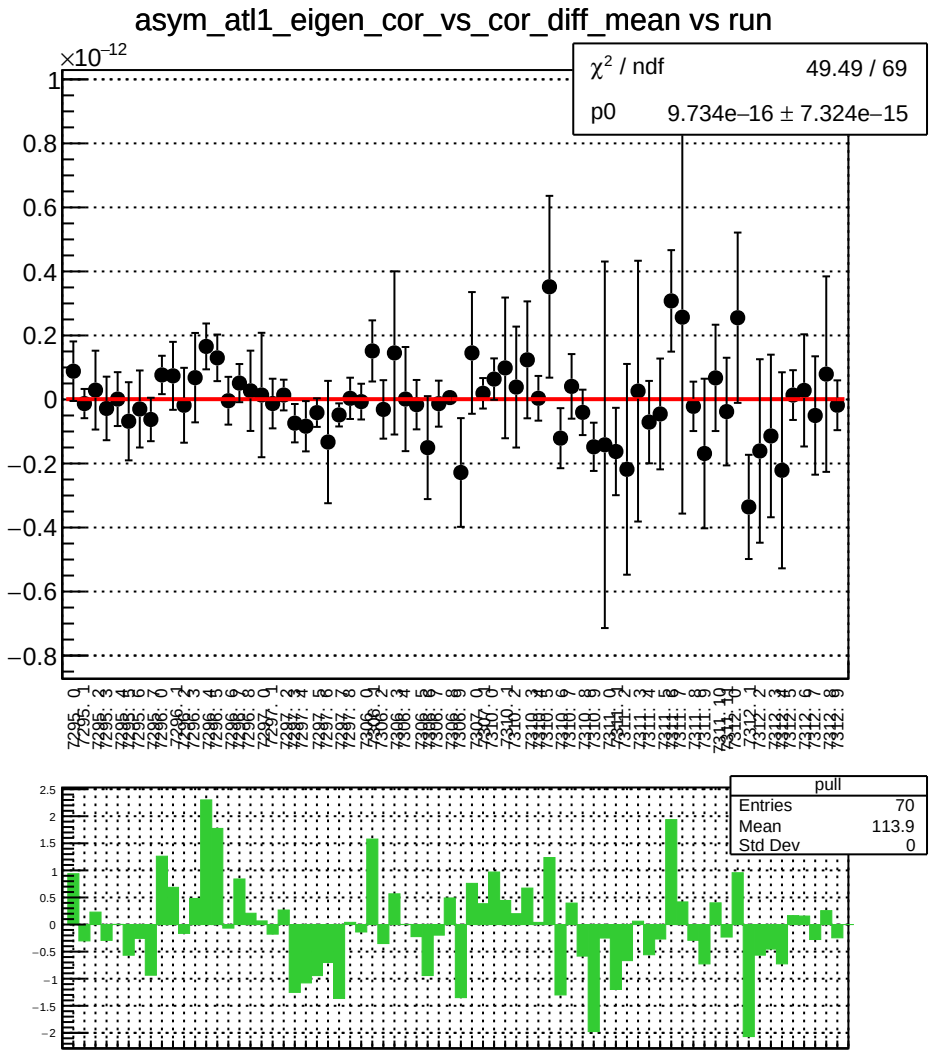

pull1D
Entries 70
Mean 0.05393
Std Dev 1.029

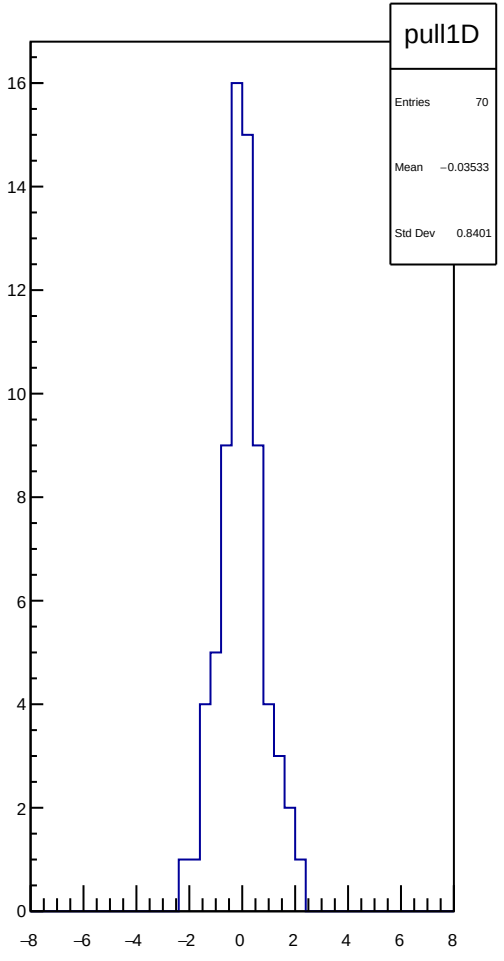

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.705e+05 / 69
p0 79.22 ± 0.07736
250
200
150
100
50

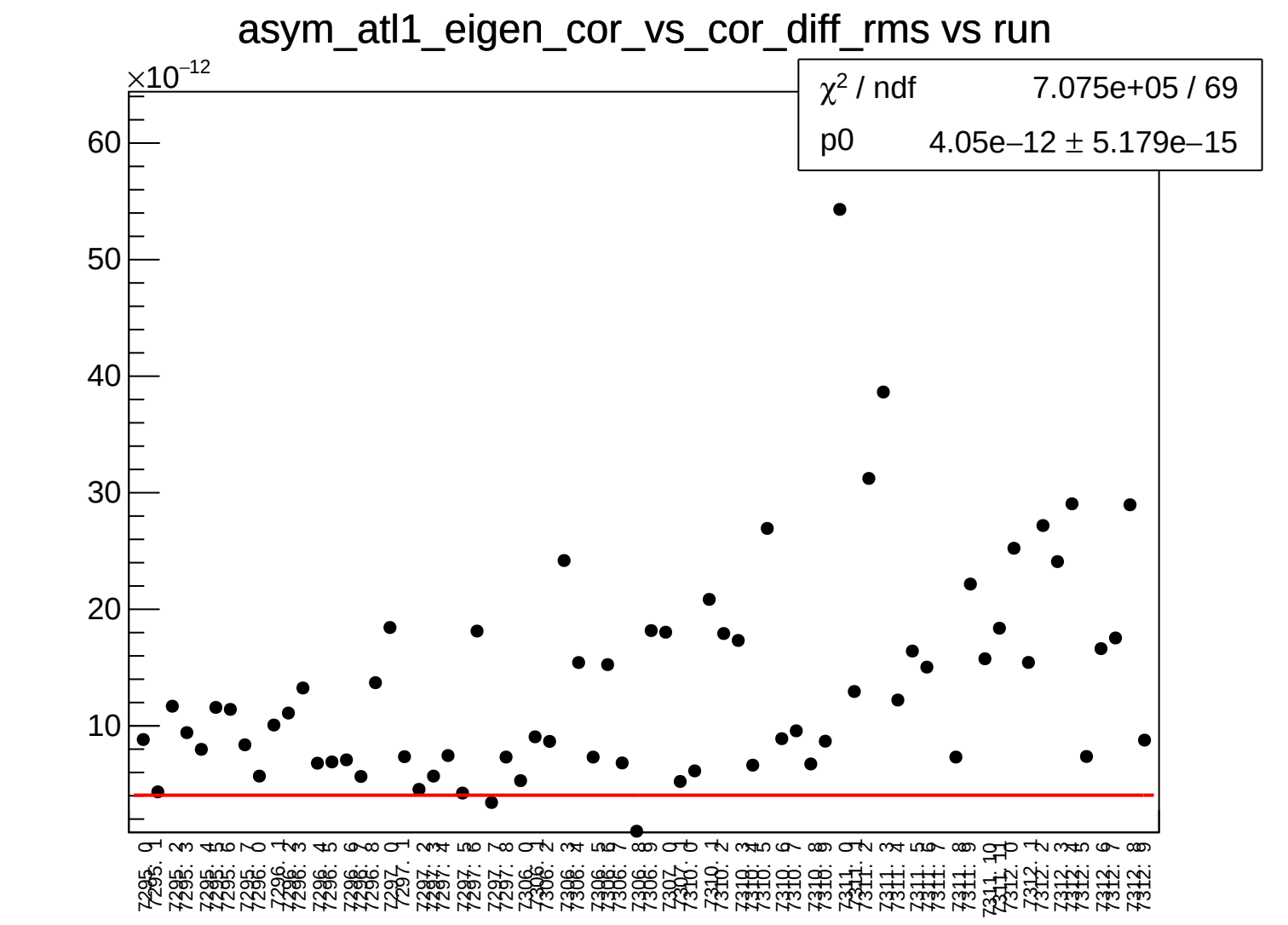

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.36 / 69
p0 −0.04263 ± 0.1094
pull
Entries 70
Mean 76.9
Std Dev 0

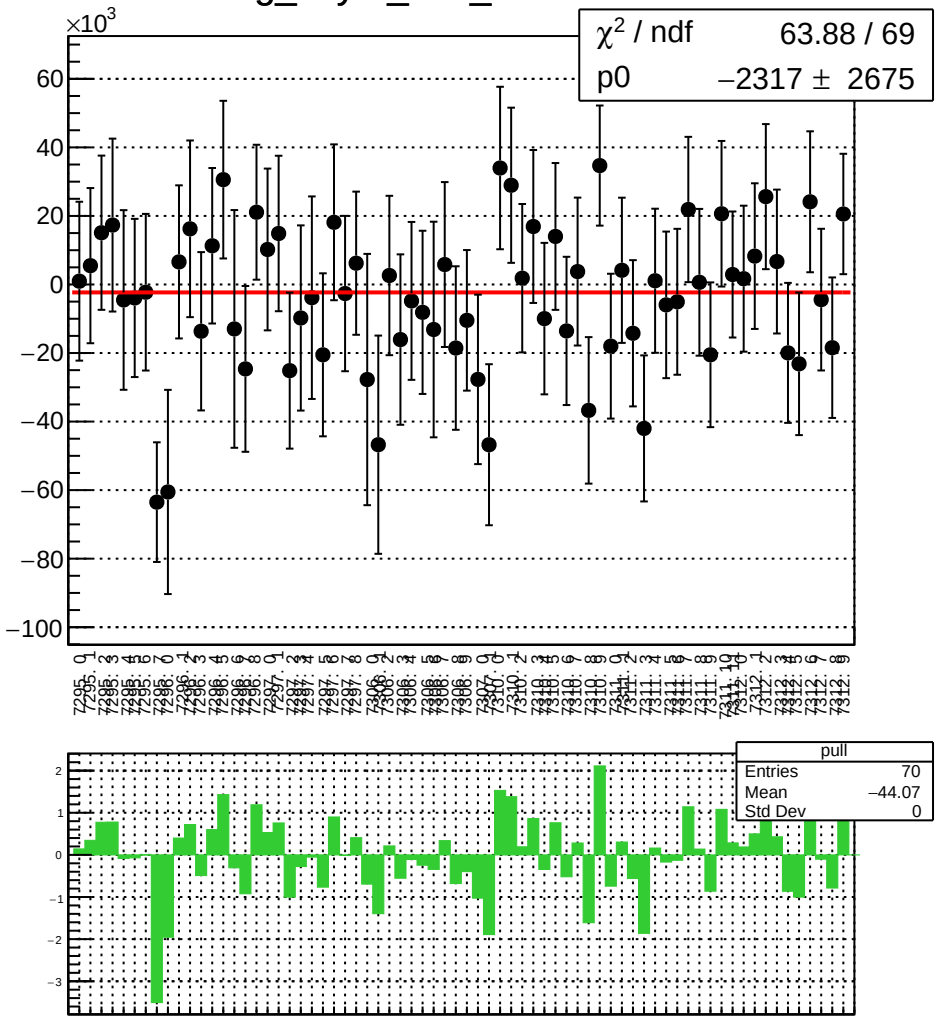

pull1D
Entries 70
Mean 0.05393
Std Dev 1.029

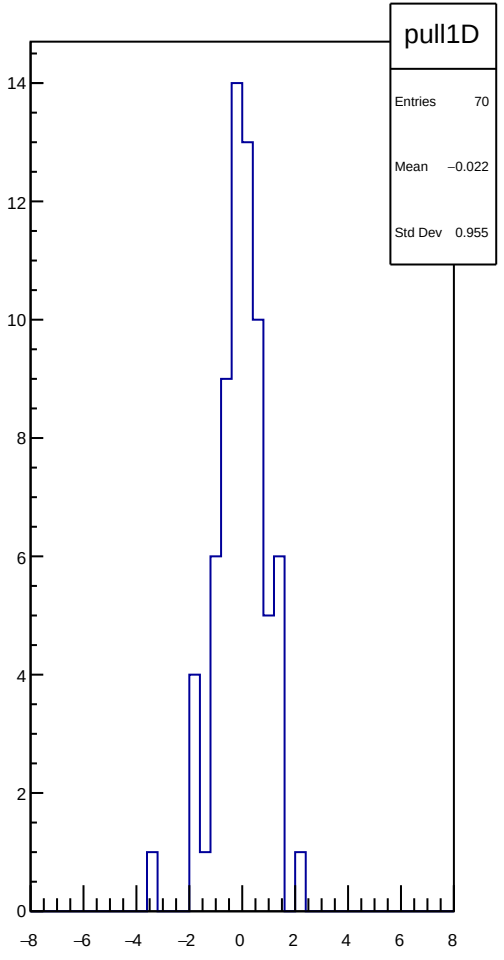

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.705e+05 / 69
p0 79.22 ± 0.07736
250
200
150
100
50

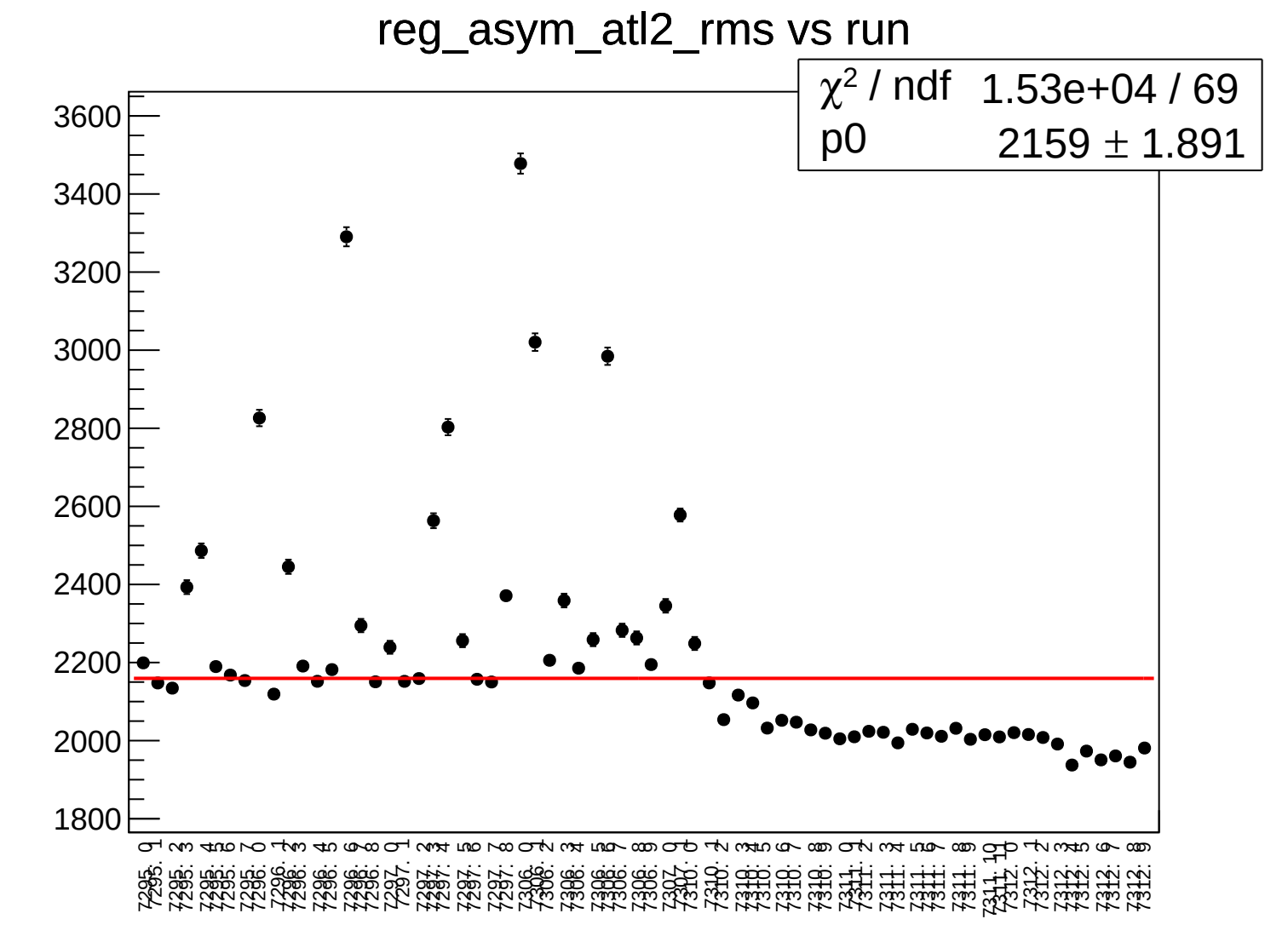

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.49 / 69
p0 9.734e−16 ± 7.324e−15
pull
Entries 70
Mean 113.9
Std Dev 0

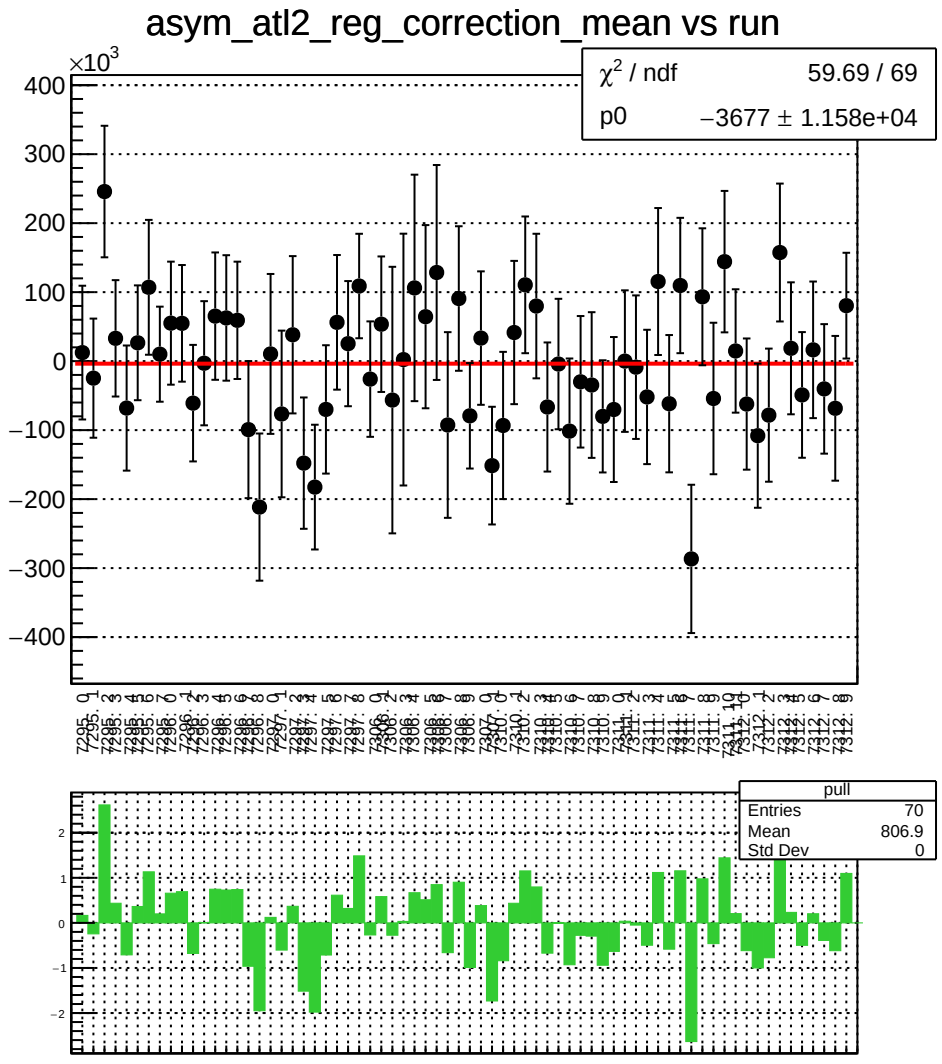

pull1D
Entries 70
Mean −0.03533
Std Dev 0.8401

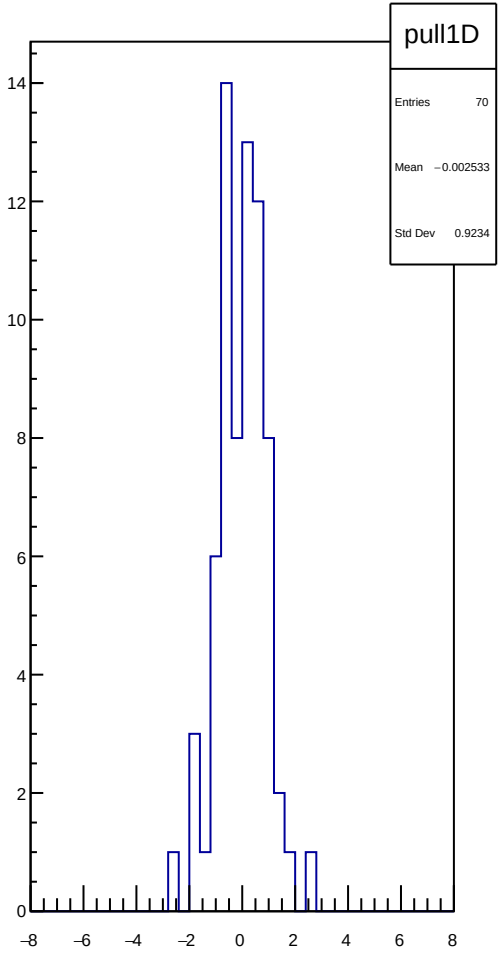

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.075e+05 / 69
p0 4.05e−12 ± 5.179e−15
60
50
40
30
20
10

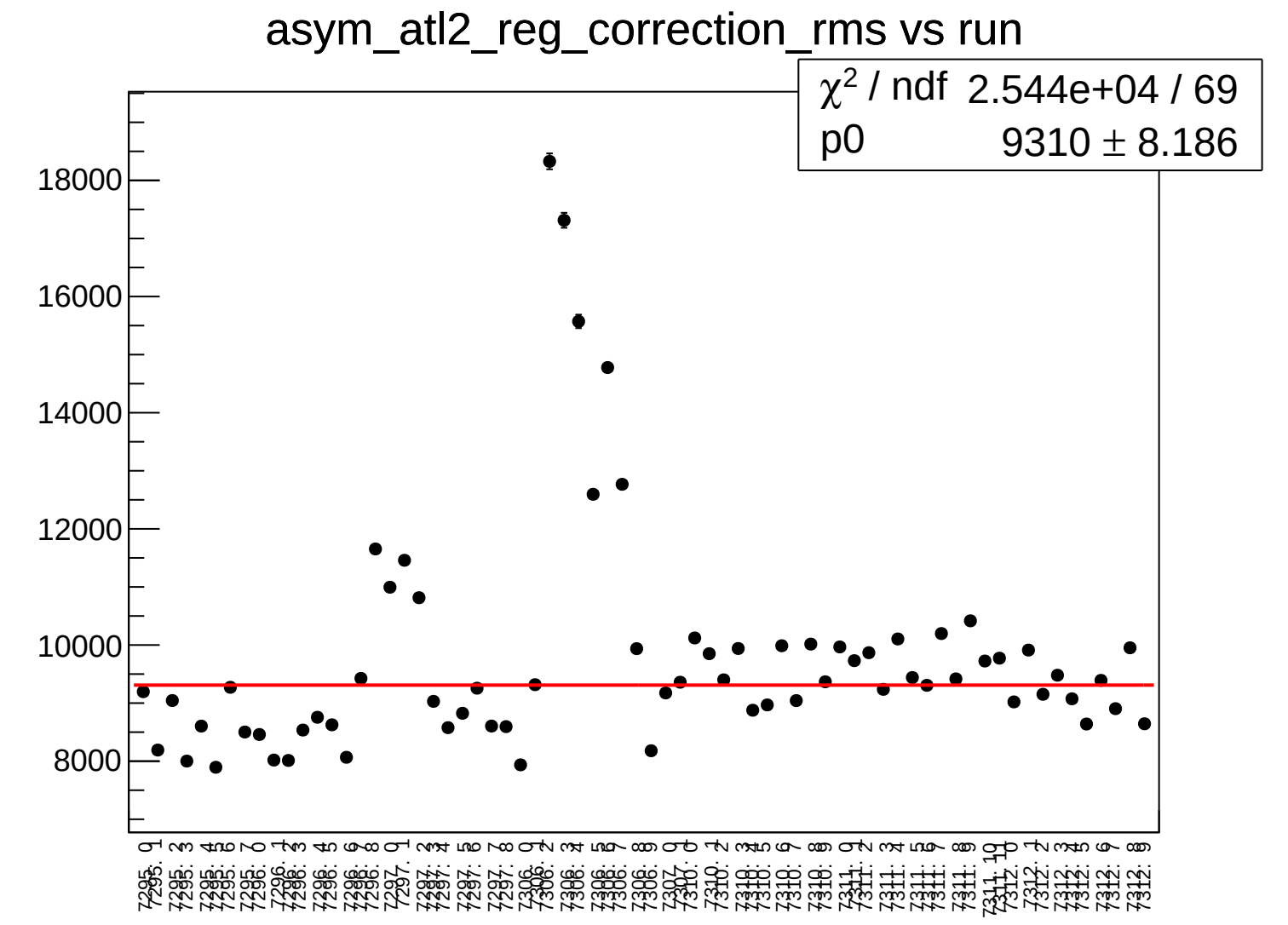

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 63.88 / 69
p0 −2317 ± 2675
pull
Entries 70
Mean −44.07
Std Dev 0

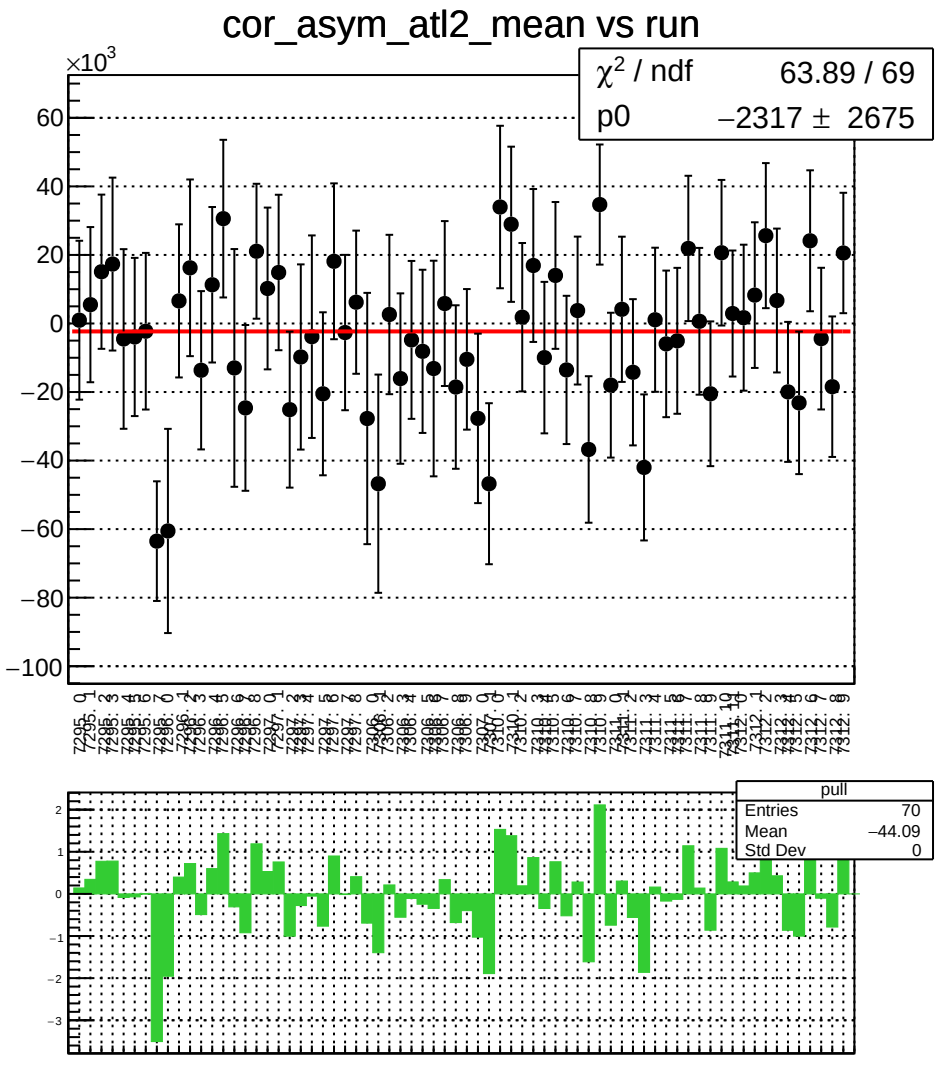

pull1D
Entries 70
Mean −0.022
Std Dev 0.955

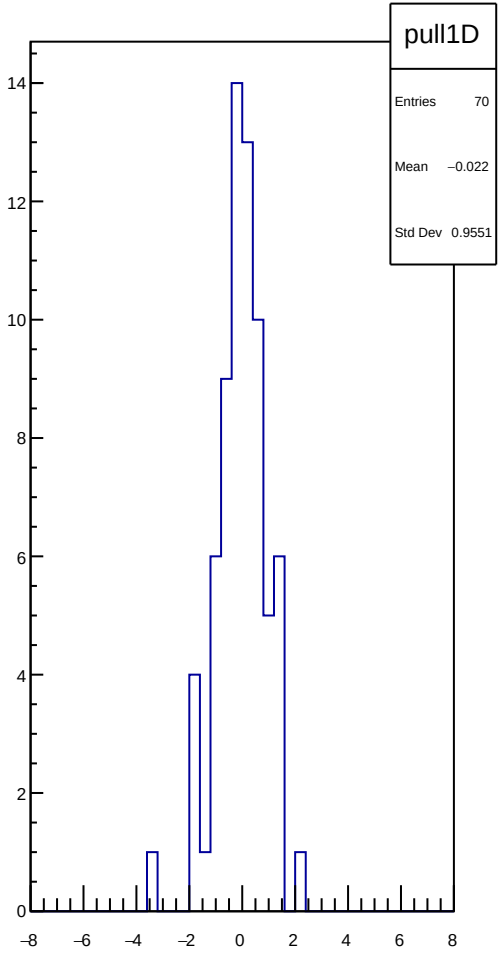

reg_asym_atl2_rms vs run
χ² / ndf 1.53e+04 / 69
p0 2159 ± 1.891
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

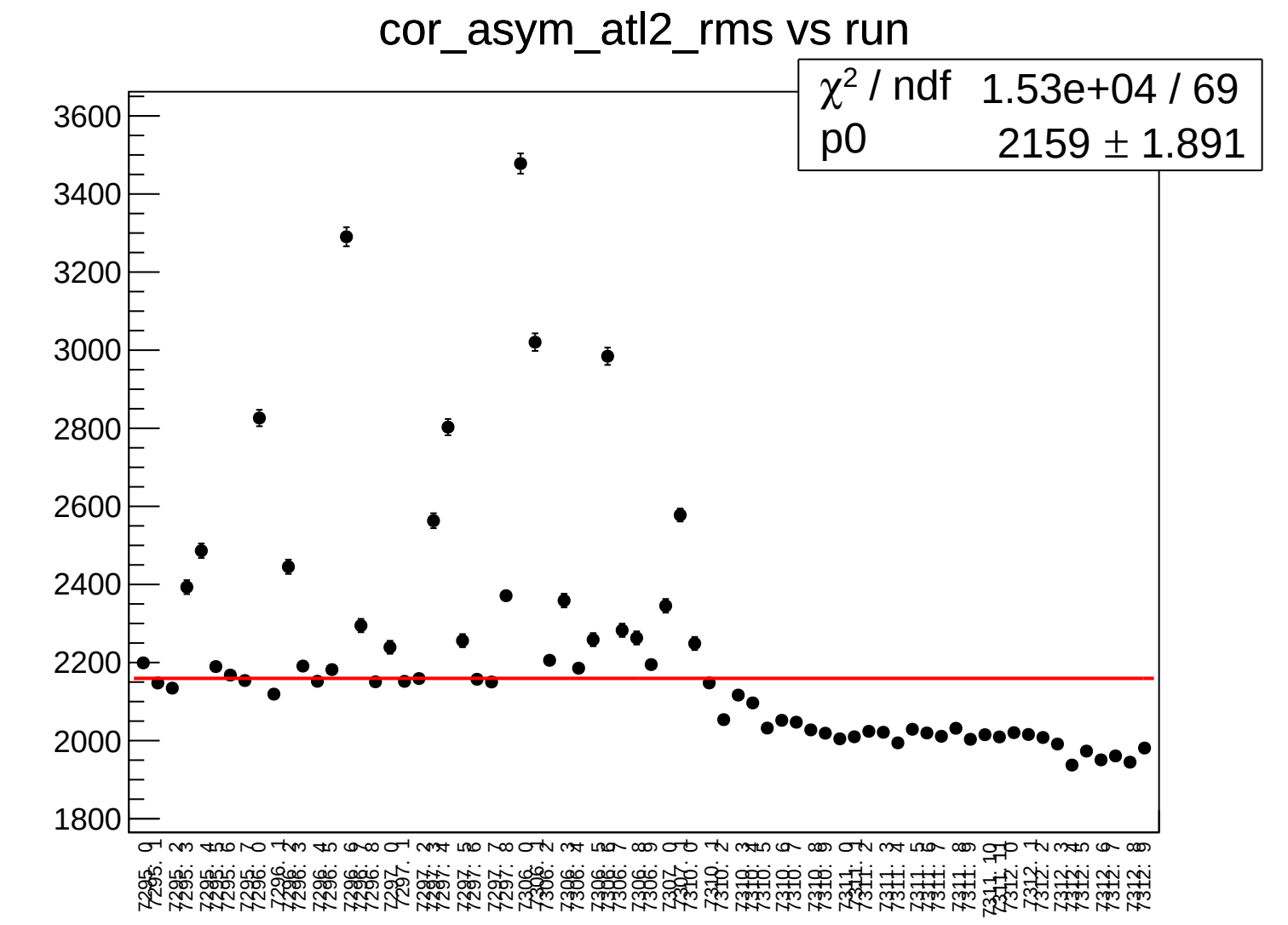

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 59.69 / 69
p0 −3677 ± 1.158e+04
pull
Entries 70
Mean 806.9
Std Dev 0

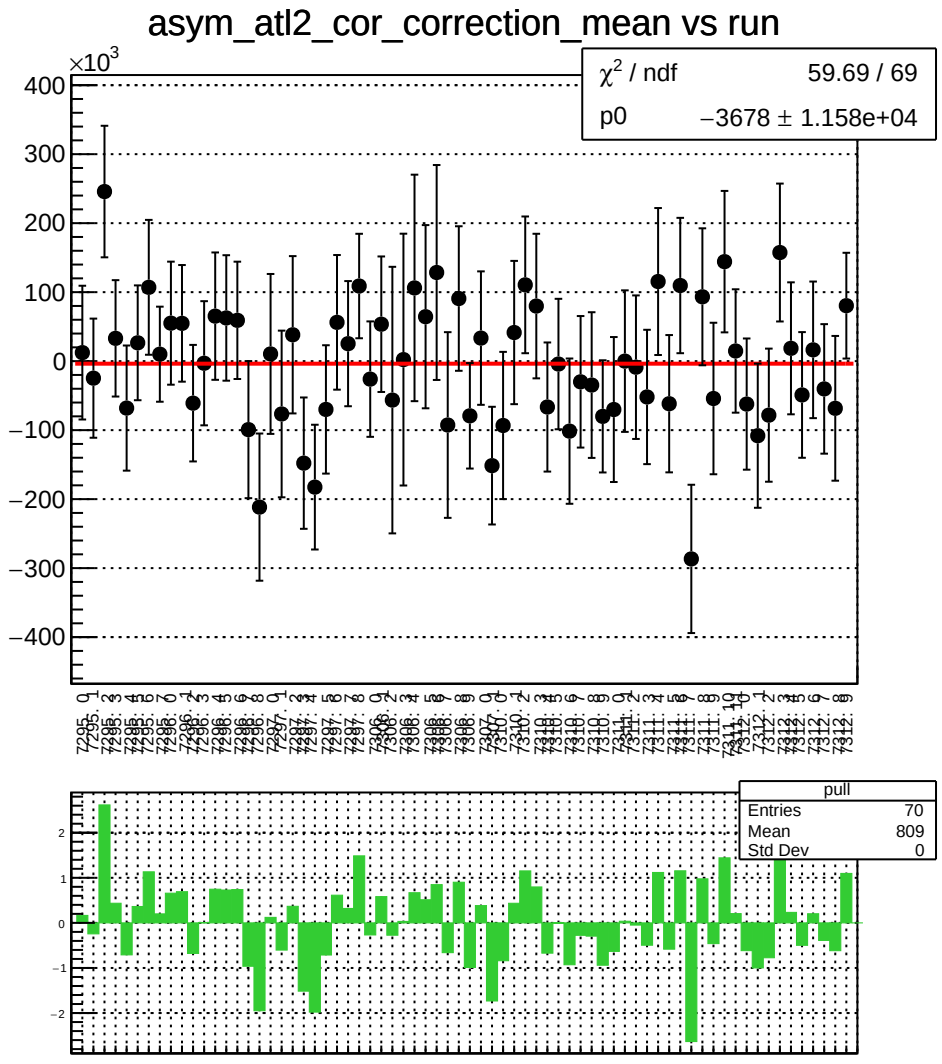

pull1D
Entries 70
Mean −0.002533
Std Dev 0.9234

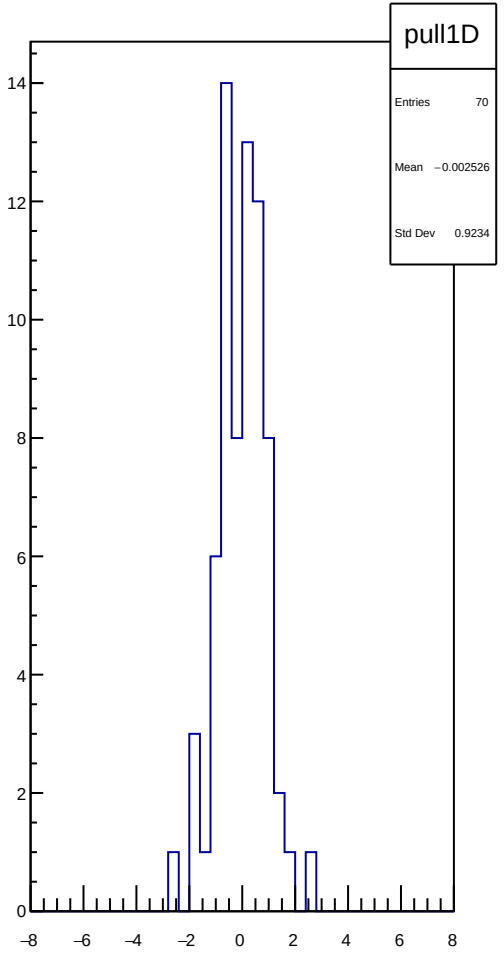

asym_atl2_reg_correction_rms vs run
χ² / ndf 2.544e+04 / 69
p0 9310 ± 8.186
18000
16000
14000
12000
10000
8000

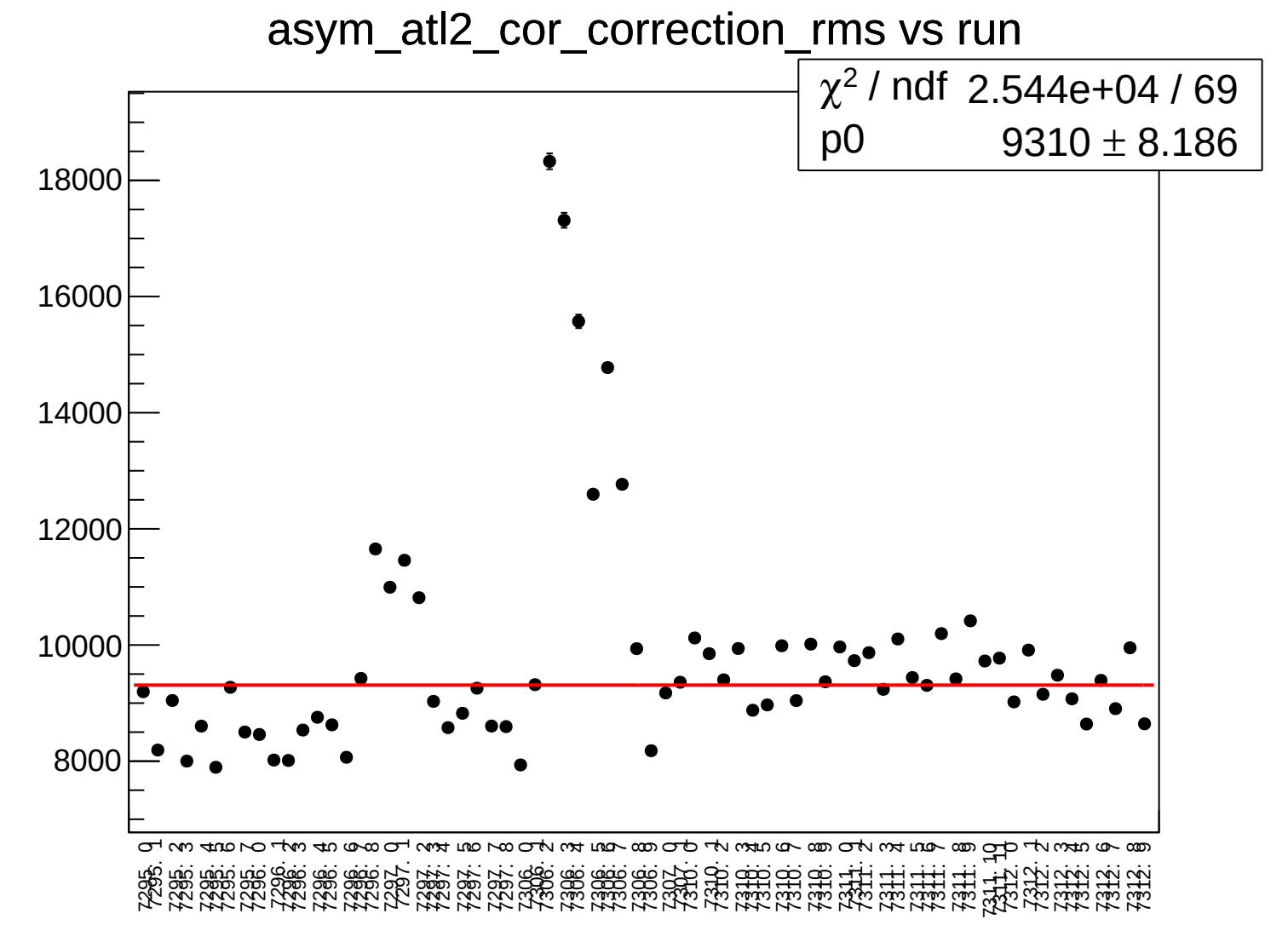

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 63.89 / 69
p0 −2317 ± 2675
pull
Entries 70
Mean −44.09
Std Dev 0

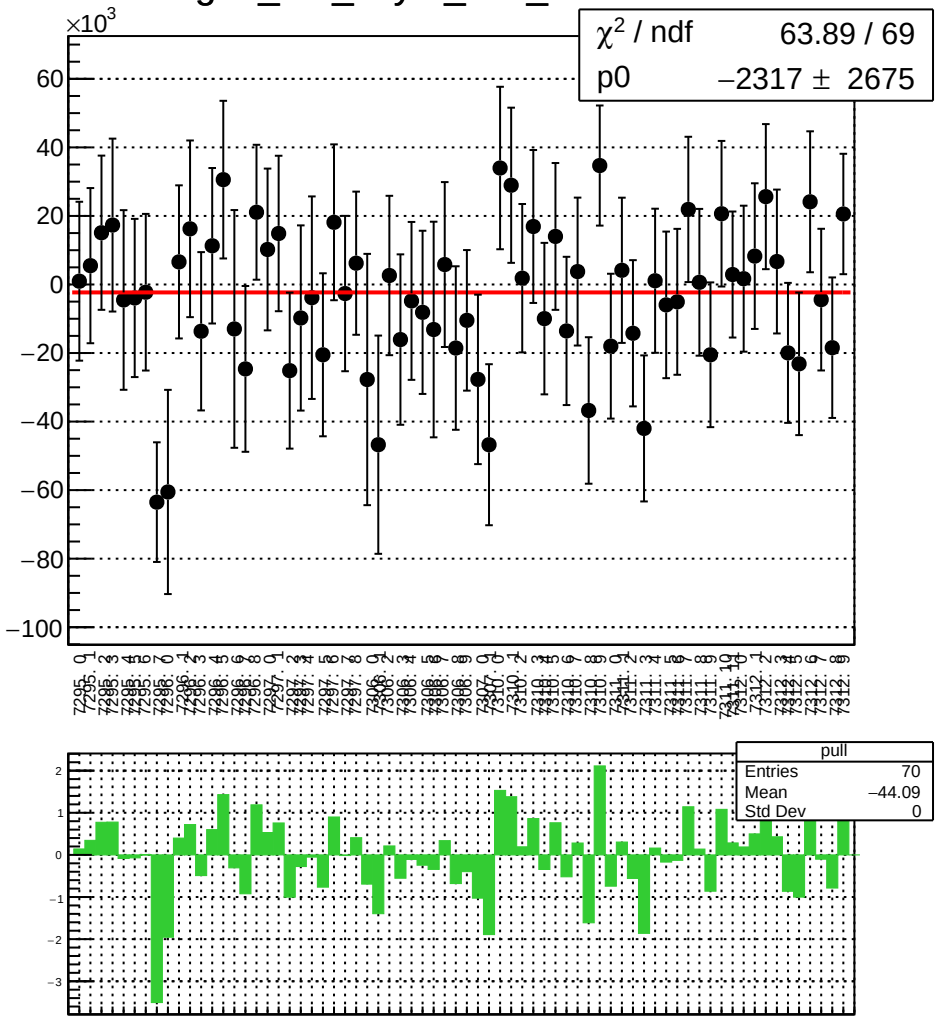

pull1D
Entries 70
Mean −0.022
Std Dev 0.9551

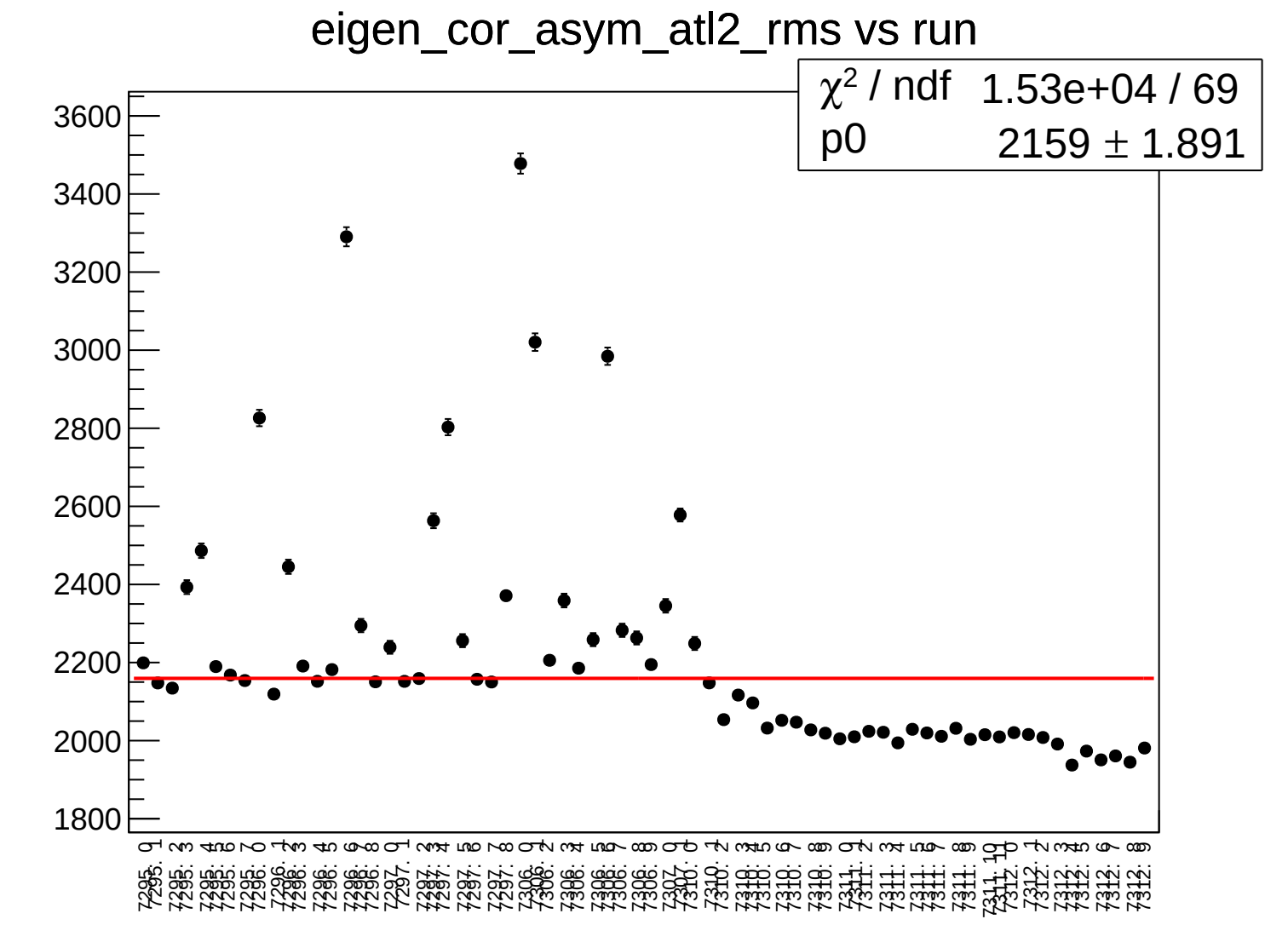

cor_asym_atl2_rms vs run
χ² / ndf 1.53e+04 / 69
p0 2159 ± 1.891
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

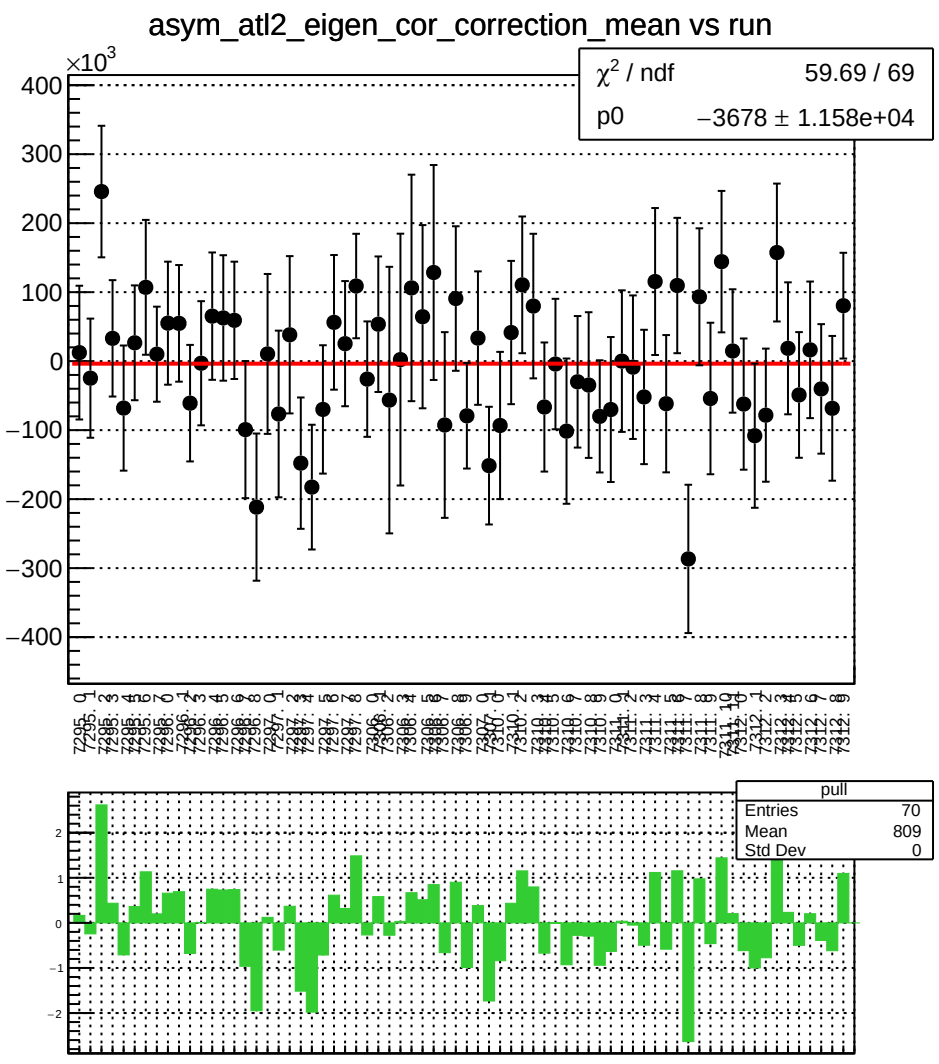

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 59.69 / 69
p0 −3678 ± 1.158e+04
pull
Entries 70
Mean 809
Std Dev 0

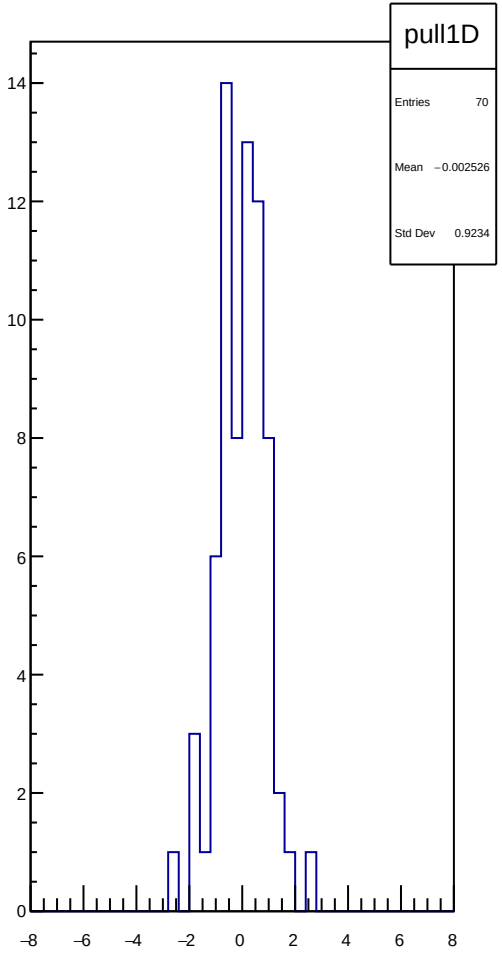

pull1D
Entries 70
Mean −0.002526
Std Dev 0.9234

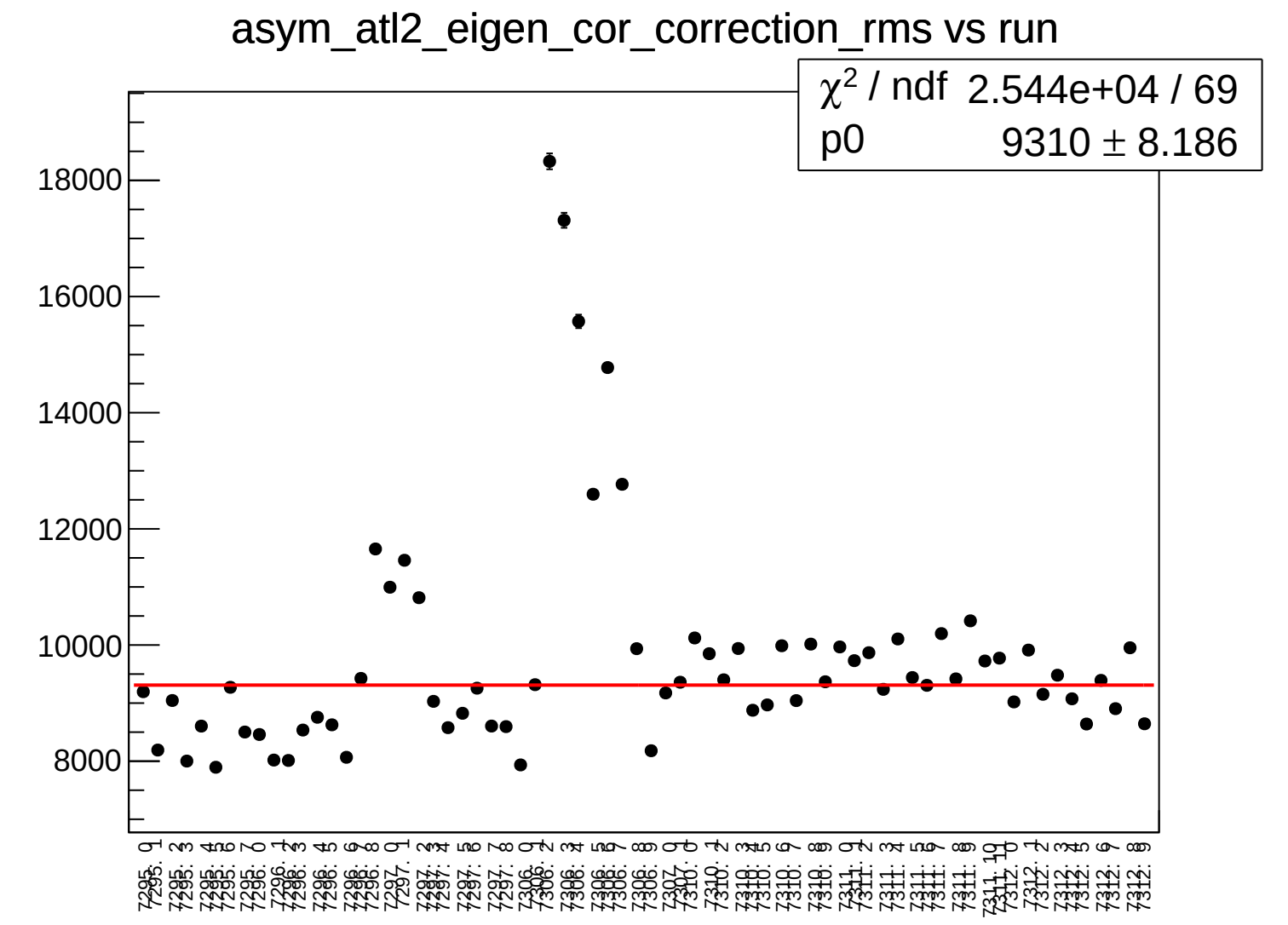

asym_atl2_cor_correction_rms vs run
χ² / ndf 2.544e+04 / 69
p0 9310 ± 8.186
18000
16000
14000
12000
10000
8000

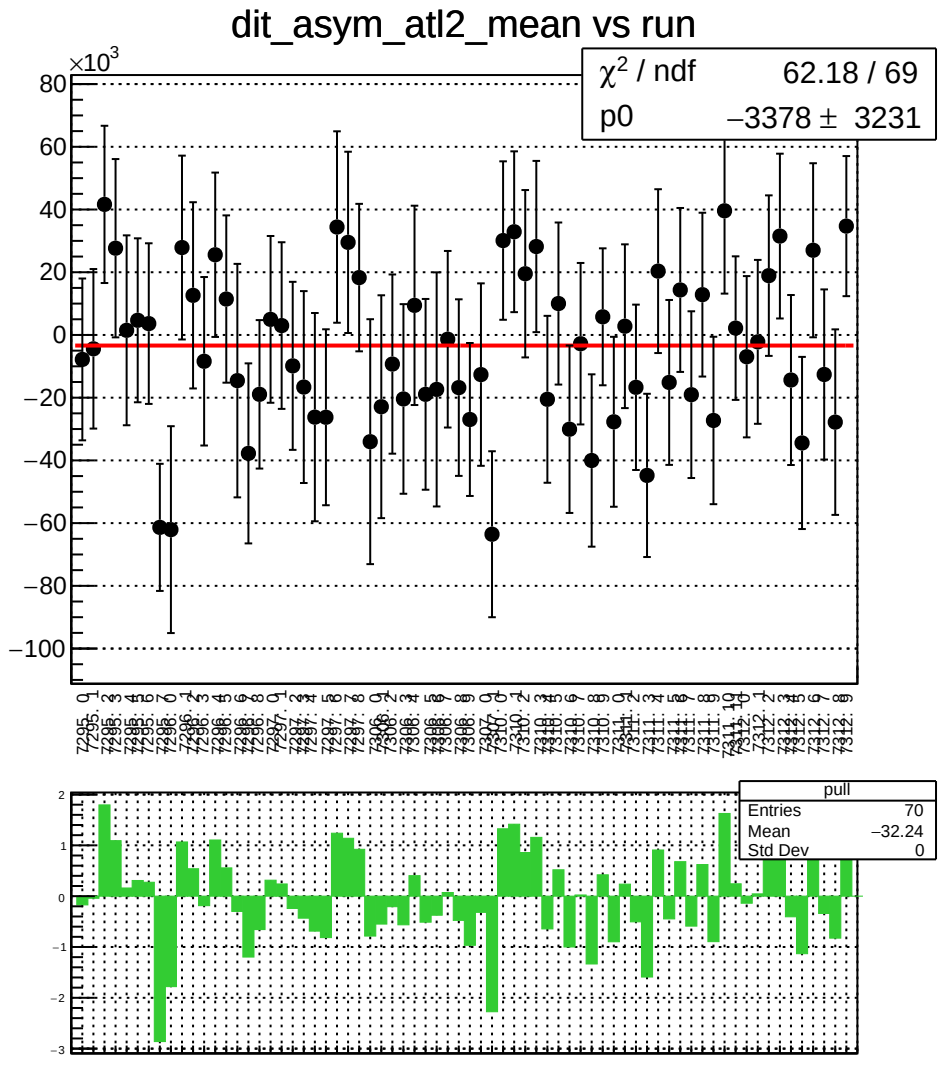

eigen_cor_asym_atl2_mean vs run
χ² / ndf 63.89 / 69
p0 −2317 ± 2675
×10³
pull
Entries 70
Mean −44.09
Std Dev 0
pull1D
Entries 70
Mean −0.022
Std Dev 0.9551

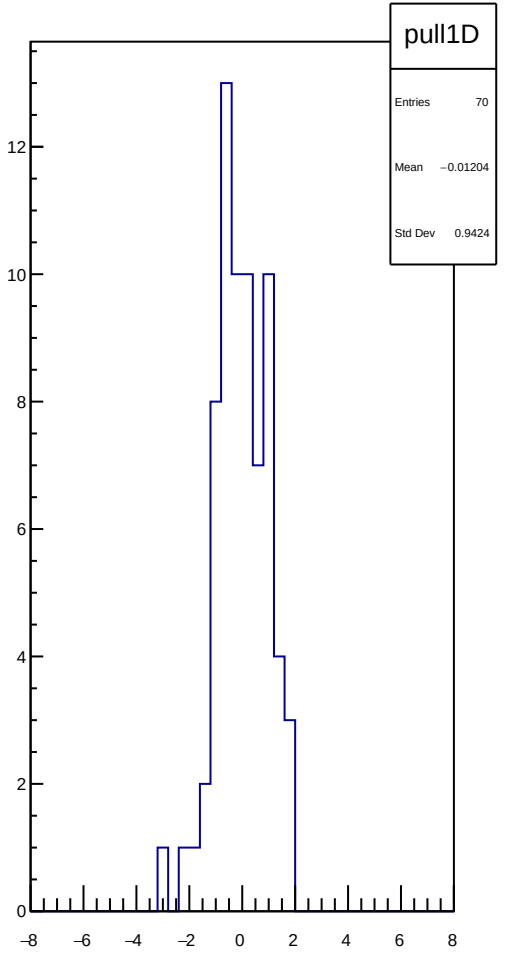

eigen_cor_asym_atl2_rms vs run
χ² / ndf 1.53e+04 / 69
p0 2159 ± 1.891
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800


asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.69 / 69
p0 −3678 ± 1.158e+04
pull
Entries 70
Mean 809
Std Dev 0

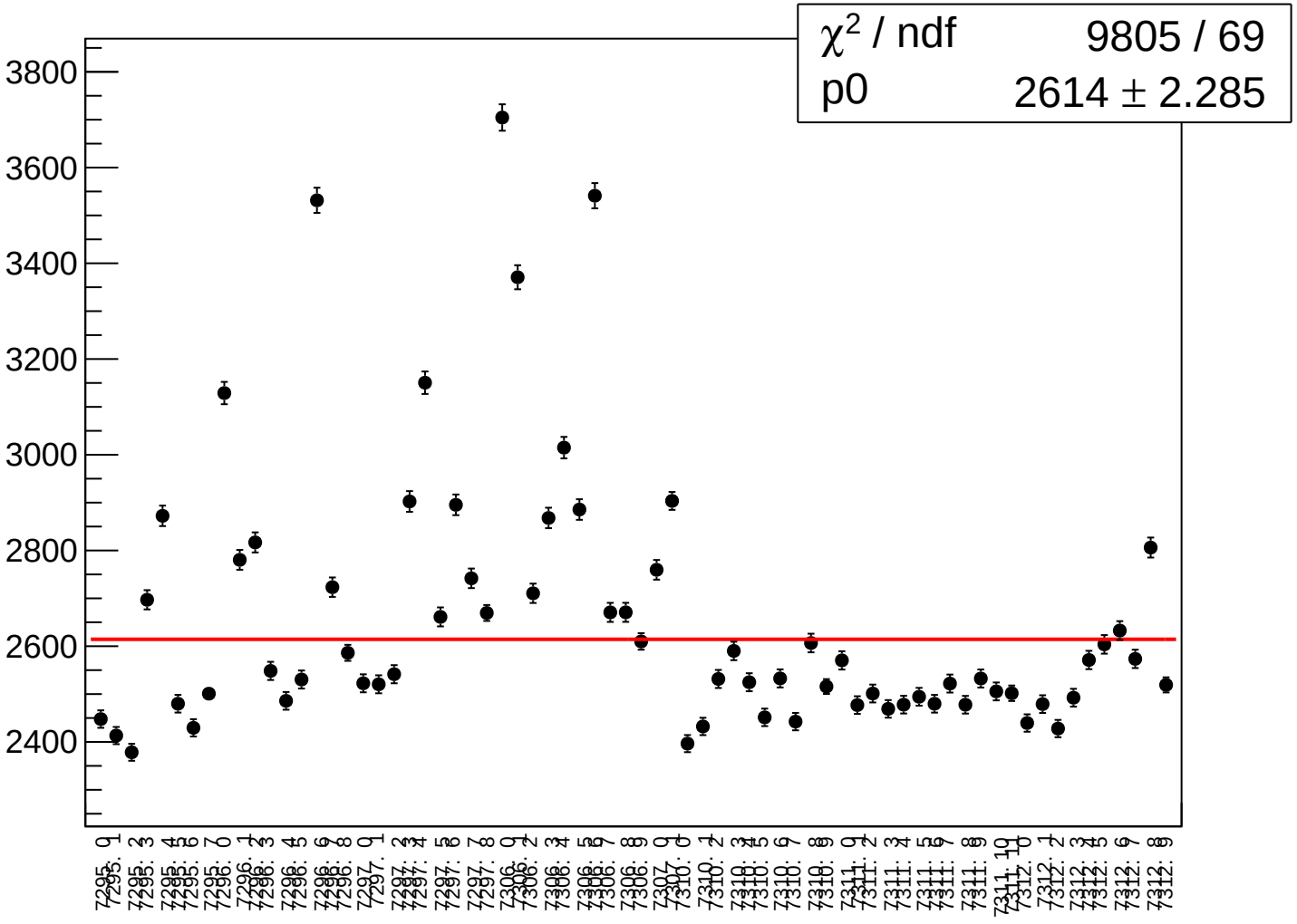

pull1D
Entries 70
Mean −0.002526
Std Dev 0.9234

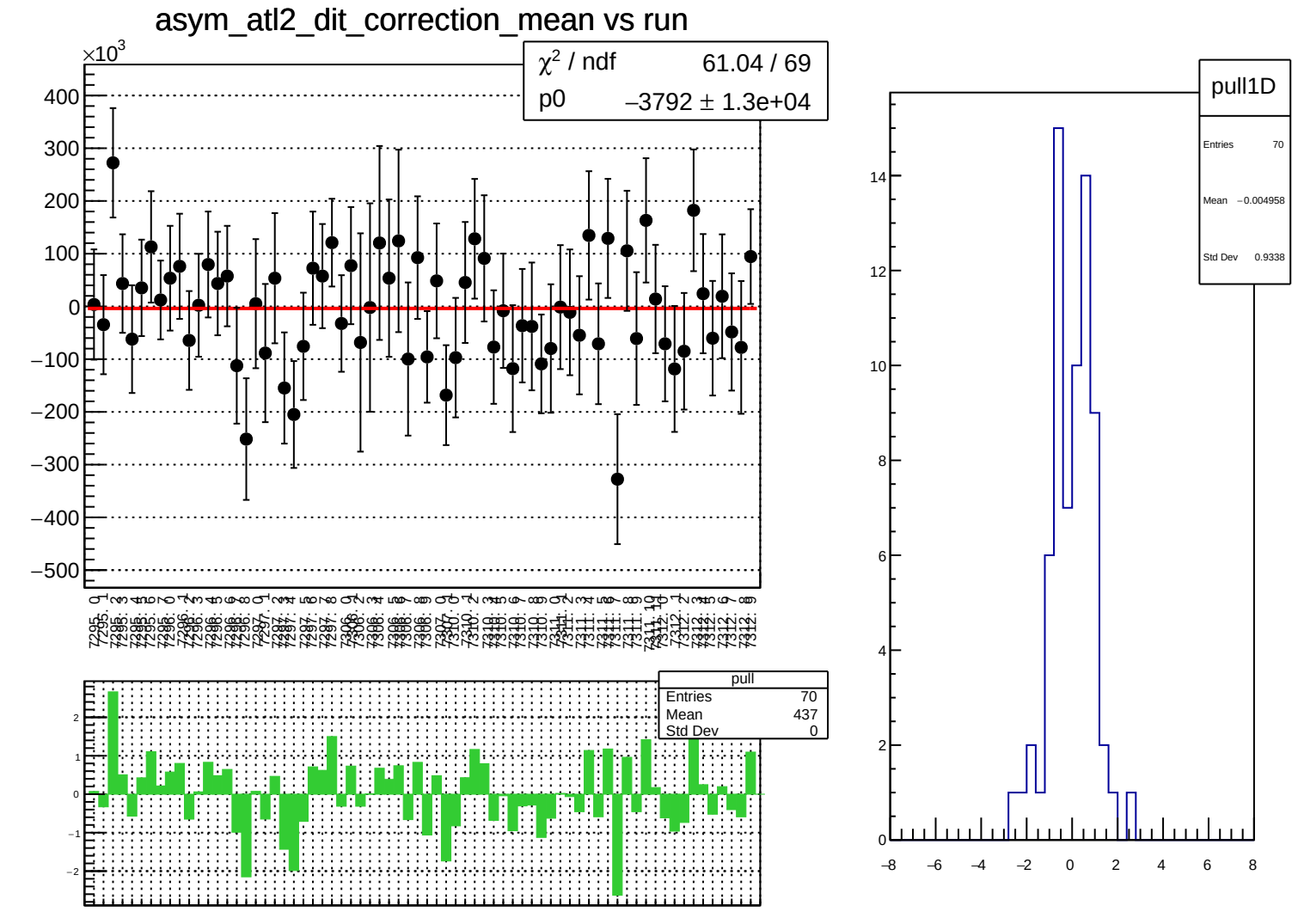

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 2.544e+04 / 69
p0 9310 ± 8.186
18000
16000
14000
12000
10000
8000

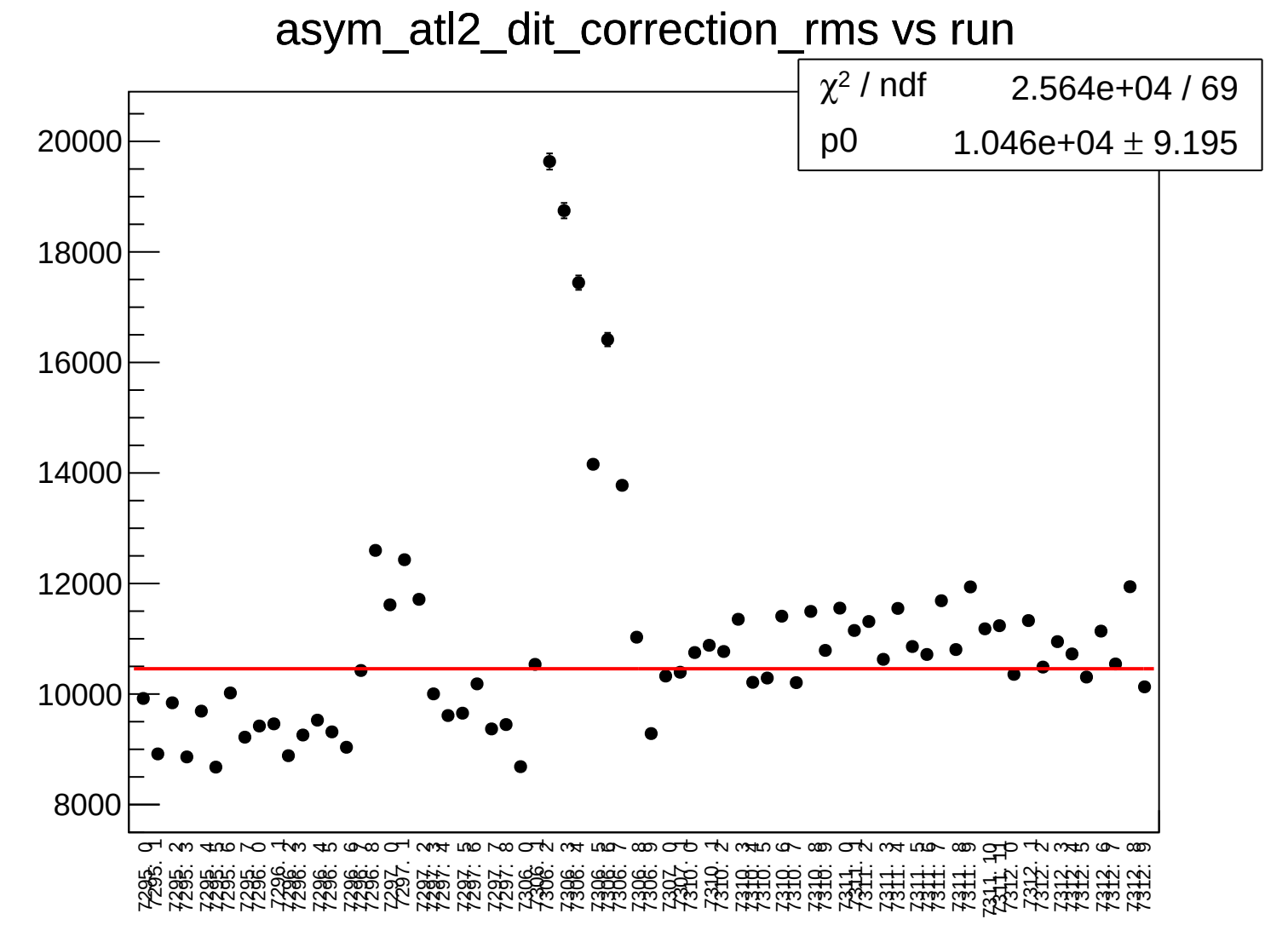

dit_asym_atl2_mean vs run
χ² / ndf 62.18 / 69
p0 −3378 ± 3231
×10³
pull
Entries 70
Mean −32.24
Std Dev 0

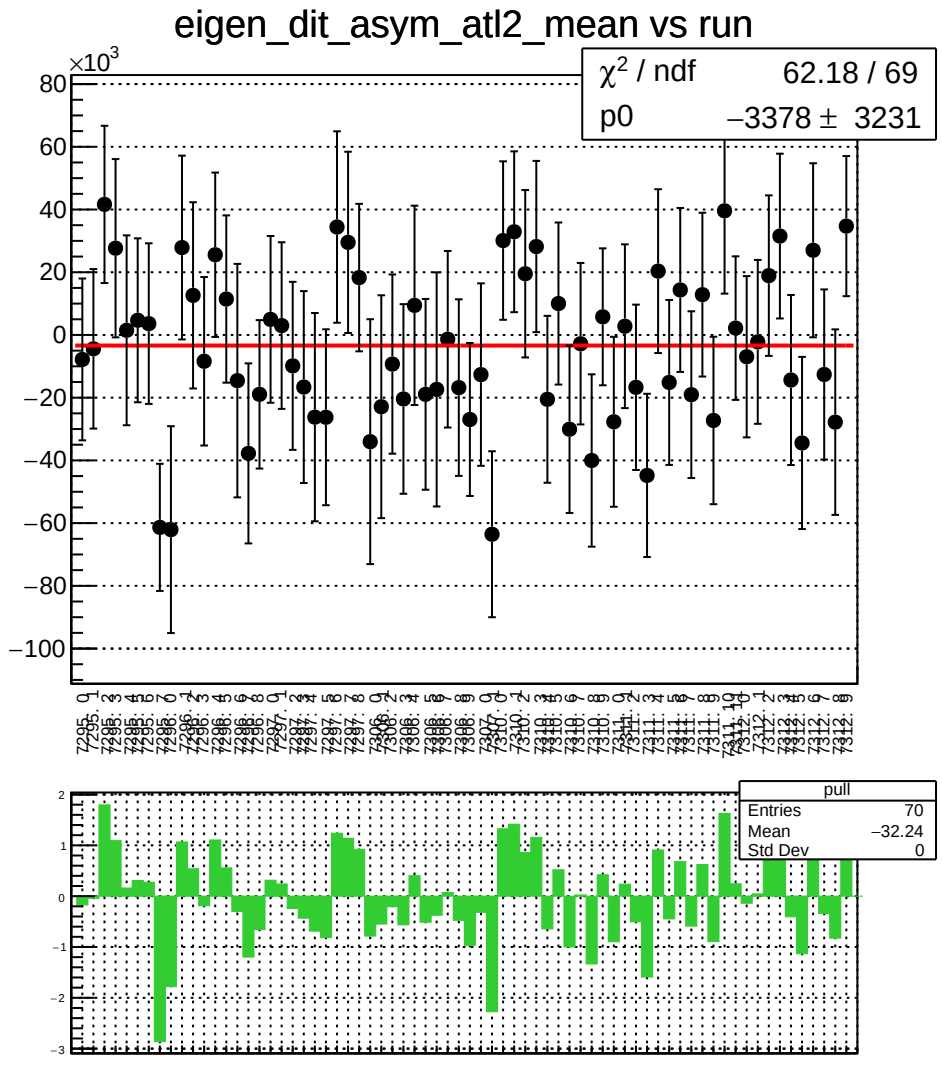

pull1D
Entries 70
Mean −0.01204
Std Dev 0.9424

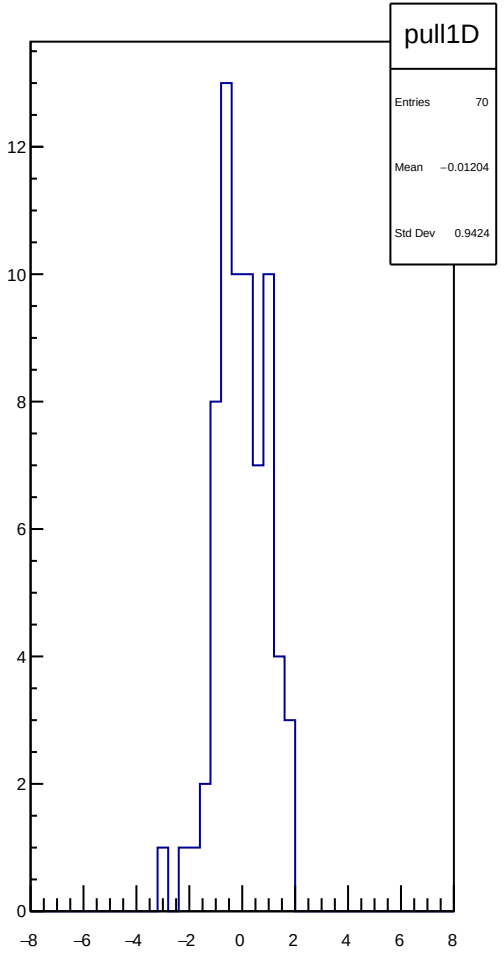
dit_asym_atl2_rms vs run

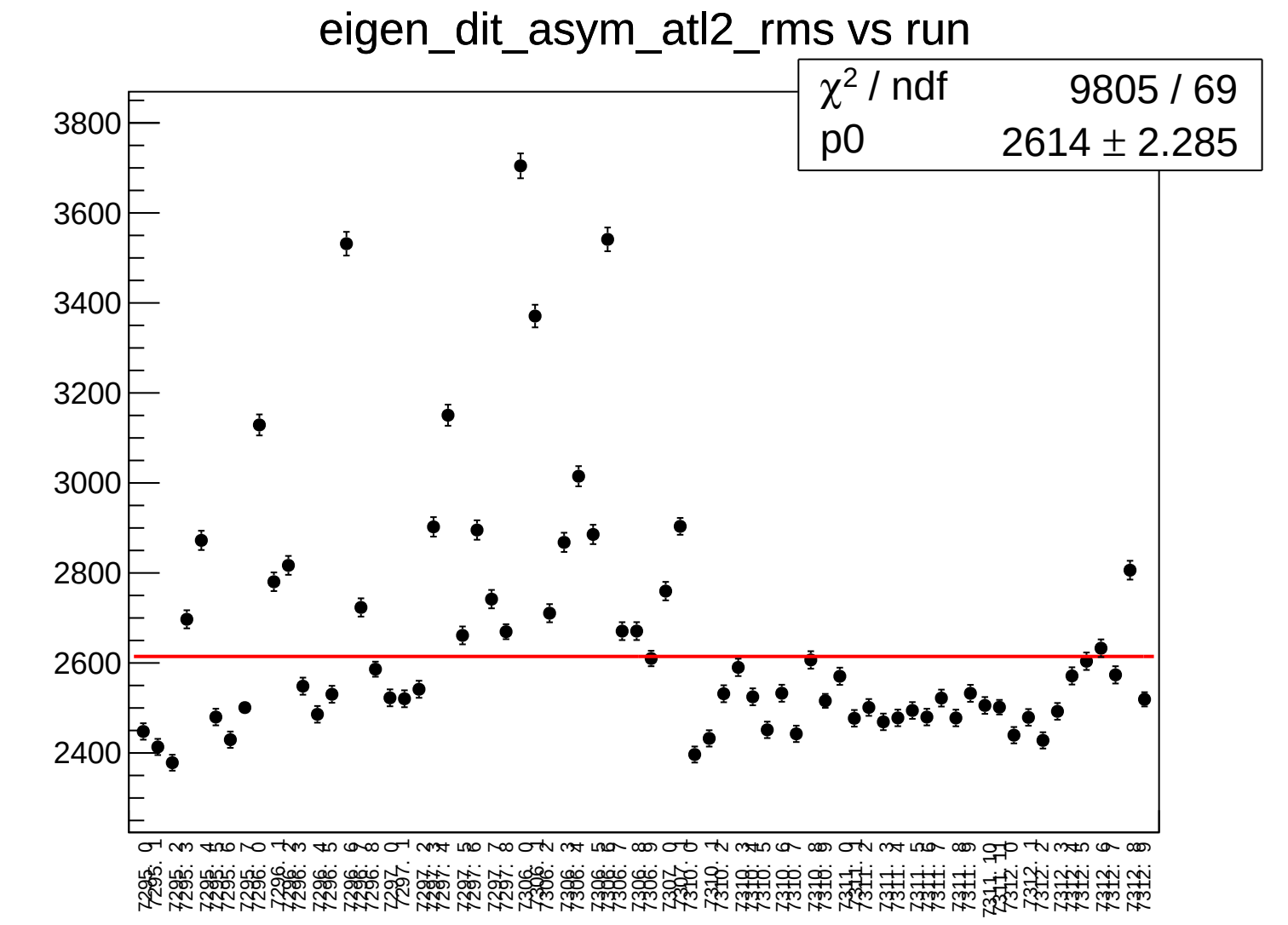


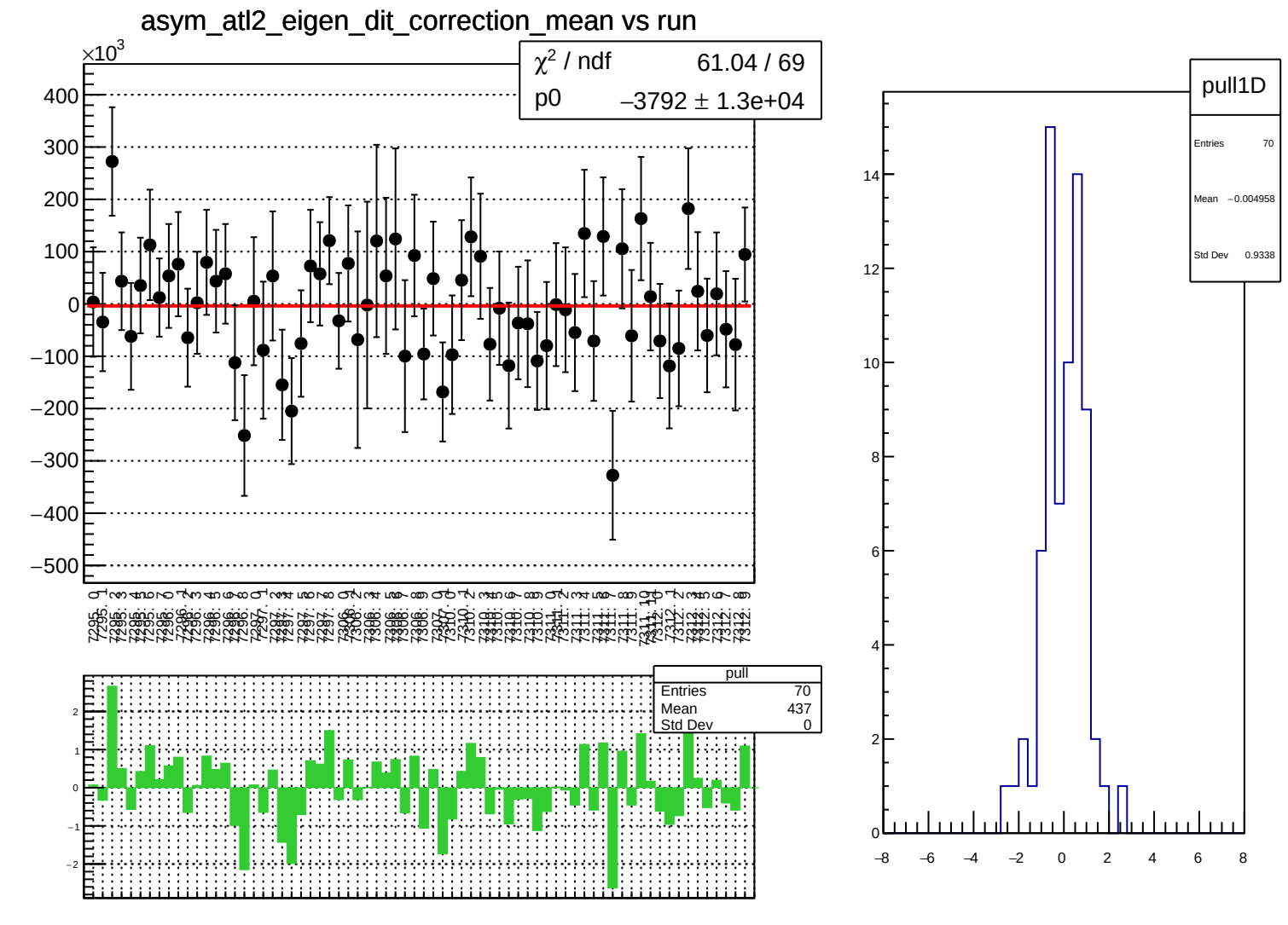

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 61.04 / 69
p0 −3792 ± 1.3e+04
pull
Entries 70
Mean 437
Std Dev 0
pull1D
Entries 70
Mean −0.004958
Std Dev 0.9338

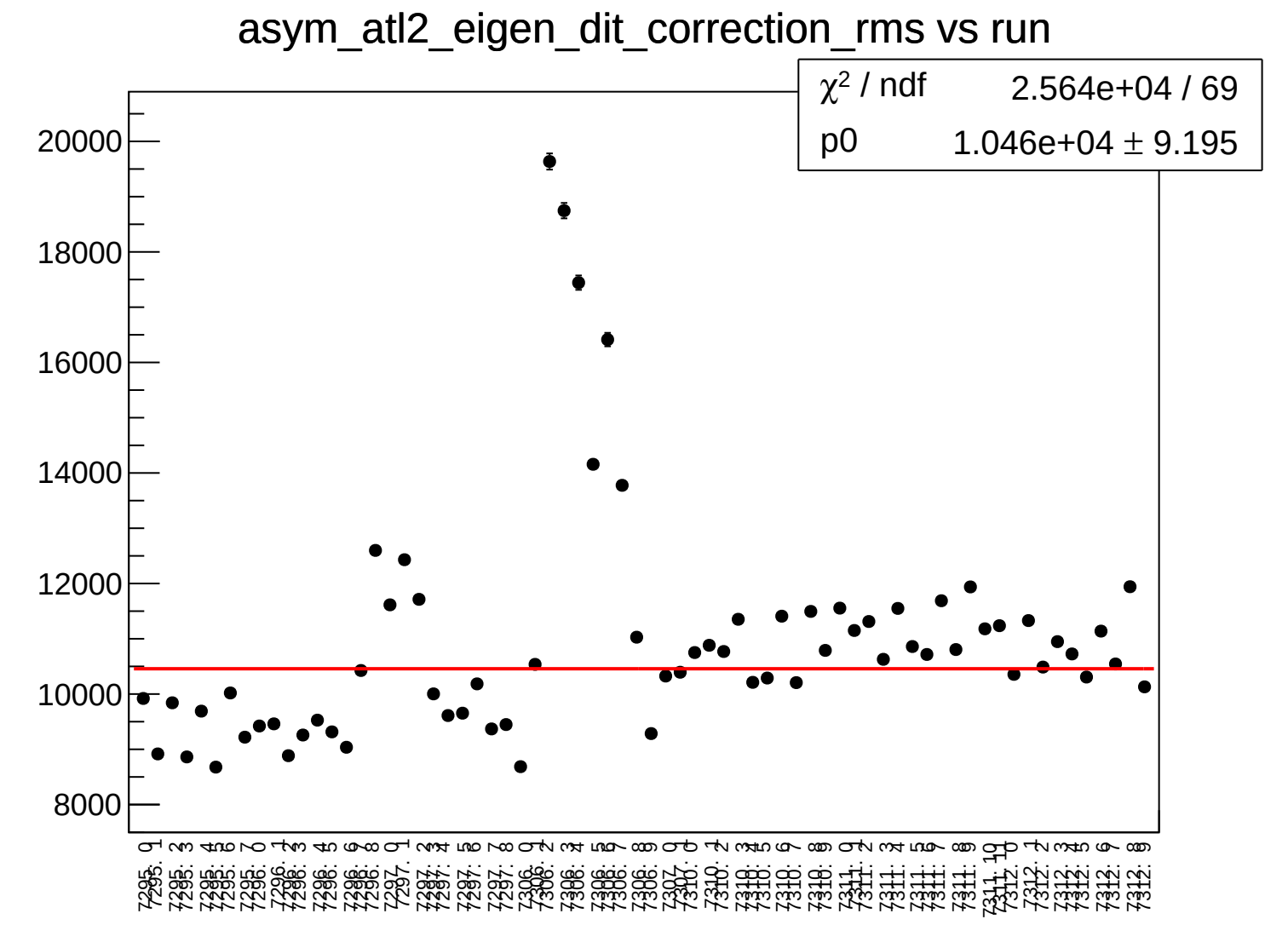

asym_atl2_dit_correction_rms vs run
χ² / ndf 2.564e+04 / 69
p0 1.046e+04 ± 9.195
20000
18000
16000
14000
12000
10000
8000

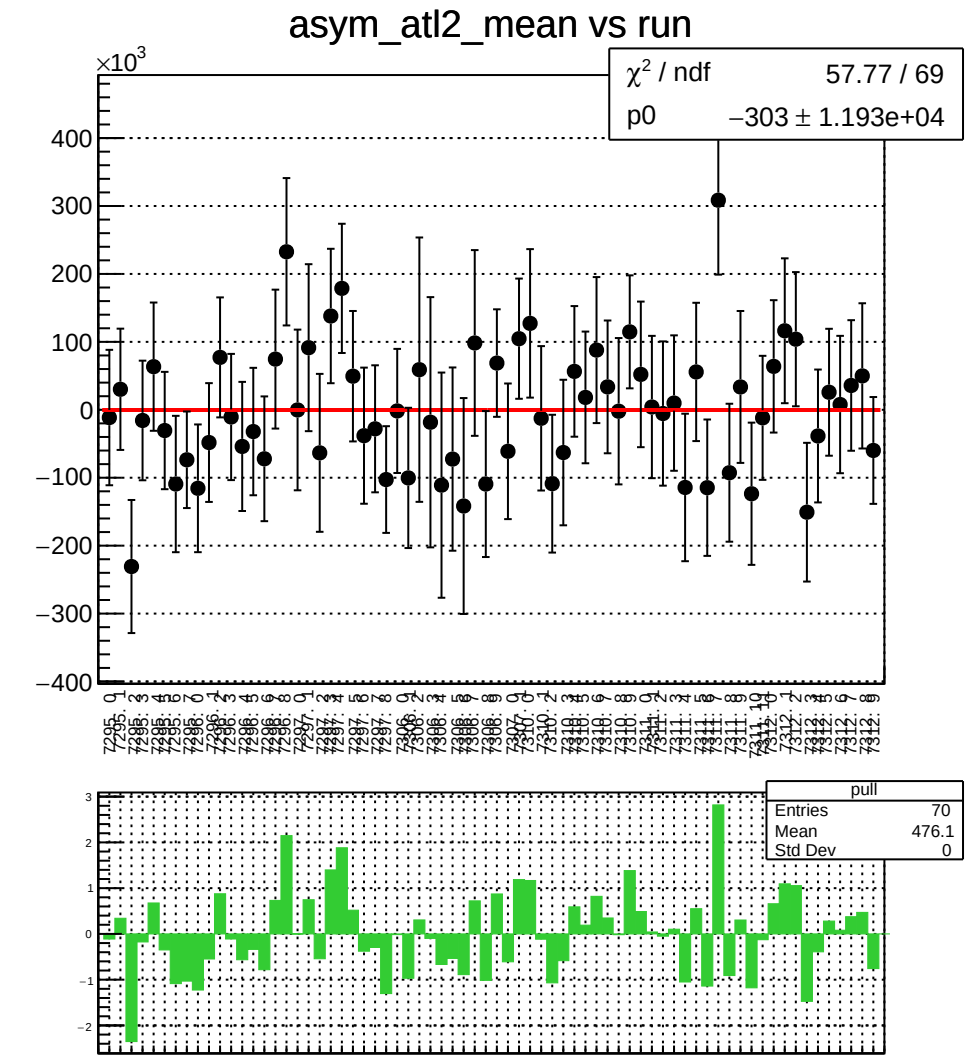

eigen_dit_asym_atl2_mean vs run
χ² / ndf 62.18 / 69
p0 −3378 ± 3231
×10³
pull
Entries 70
Mean −32.24
Std Dev 0

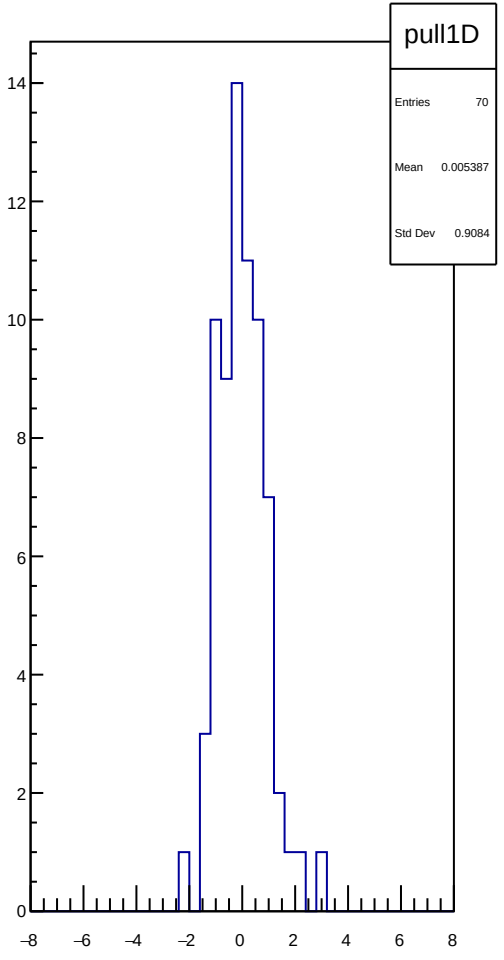

pull1D
Entries 70
Mean −0.01204
Std Dev 0.9424

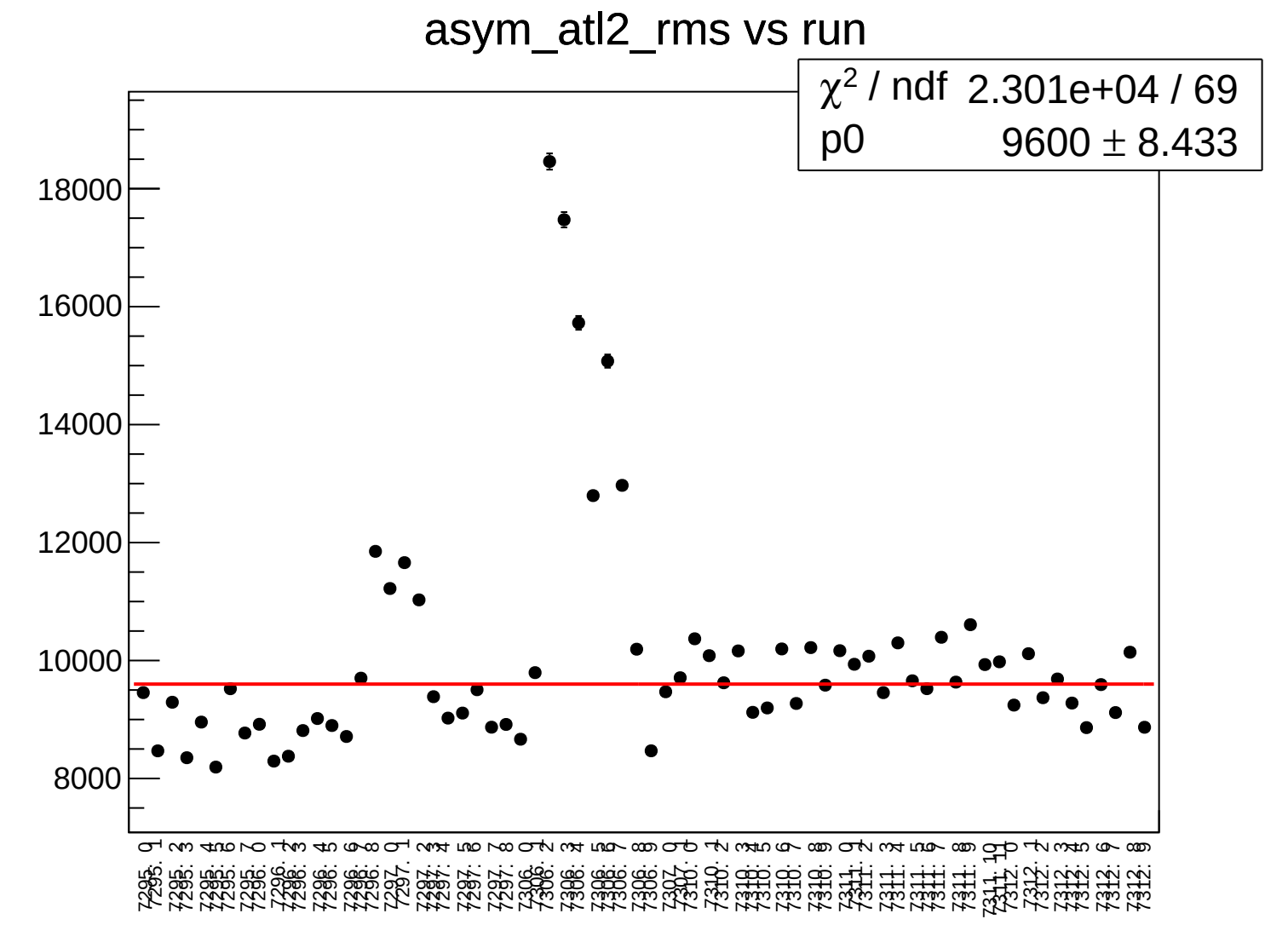

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 9805 / 69
p0 2614 ± 2.285
3800
3600
3400
3200
3000
2800
2600
2400

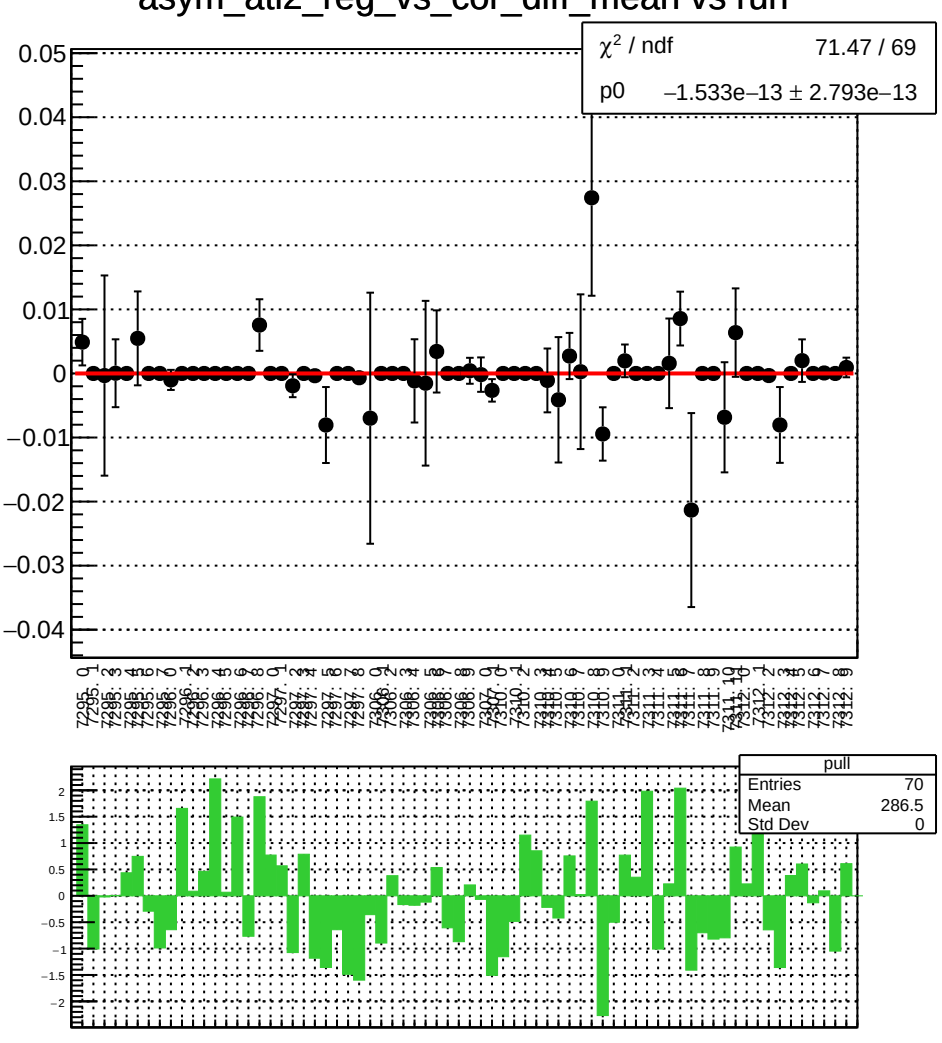

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.04 / 69
p0 −3792 ± 1.3e+04
pull
Entries 70
Mean 437
Std Dev 0
pull1D
Entries 70
Mean −0.004958
Std Dev 0.9338

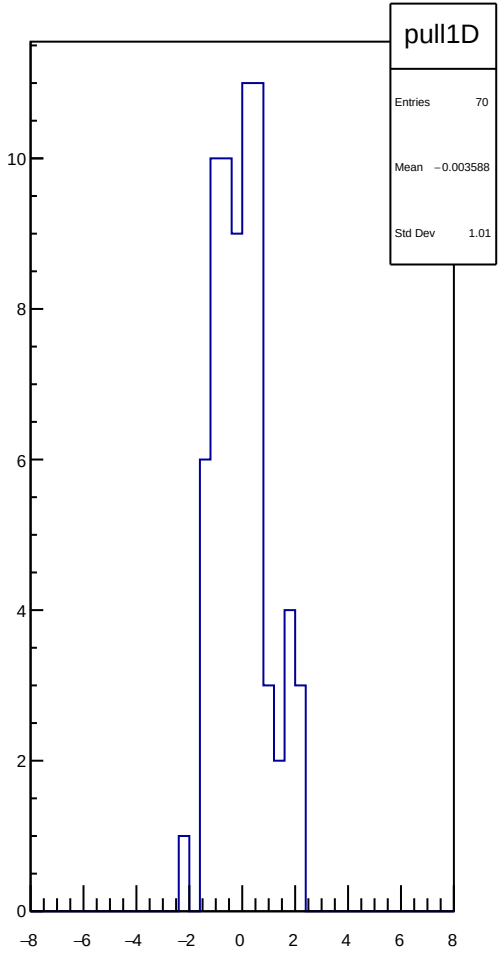

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 2.564e+04 / 69
p0 1.046e+04 ± 9.195
20000
18000
16000
14000
12000
10000
8000

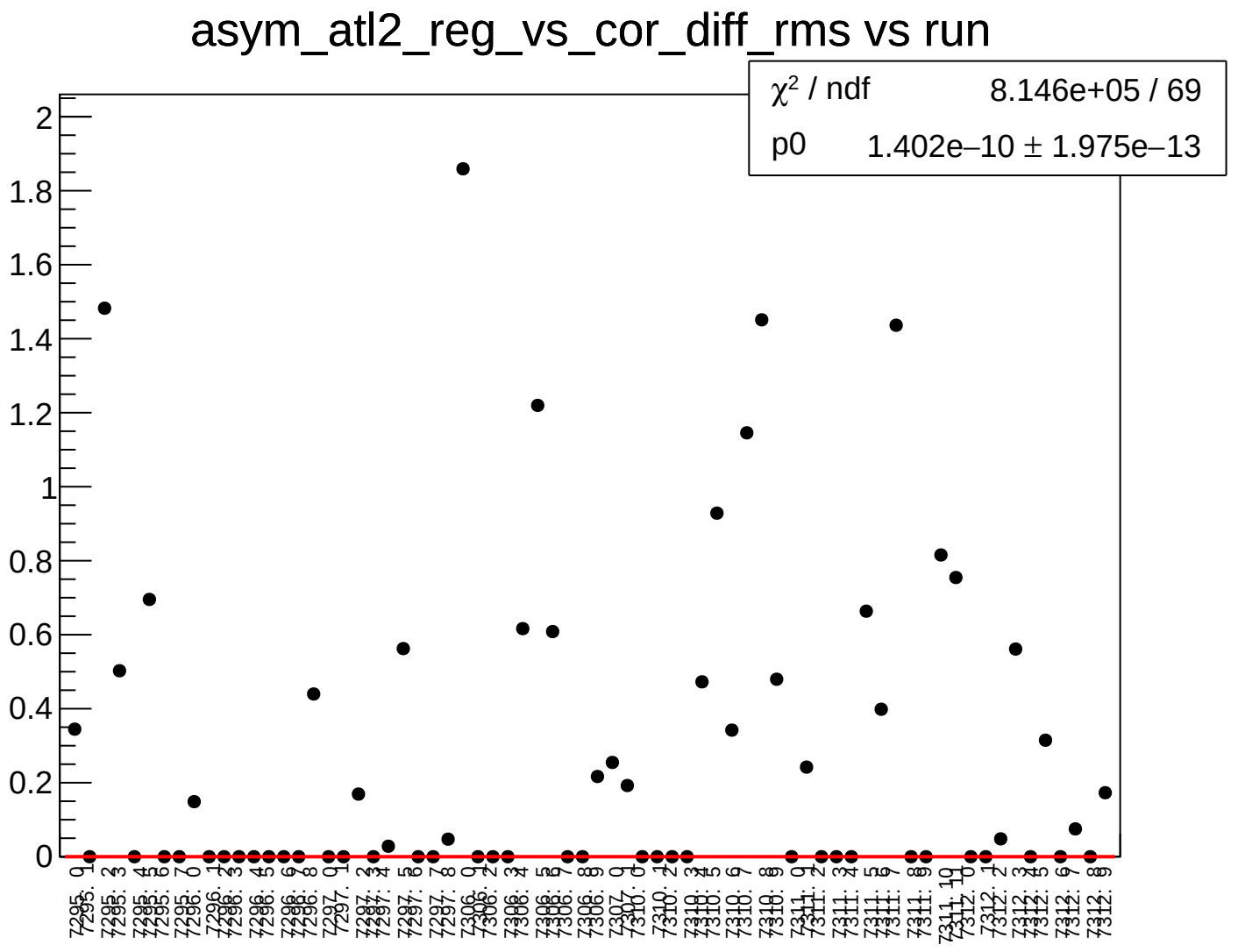

asym_atl2_mean vs run
×10^3
χ² / ndf 57.77 / 69
p0 −303 ± 1.193e+04
pull
Entries 70
Mean 476.1
Std Dev 0

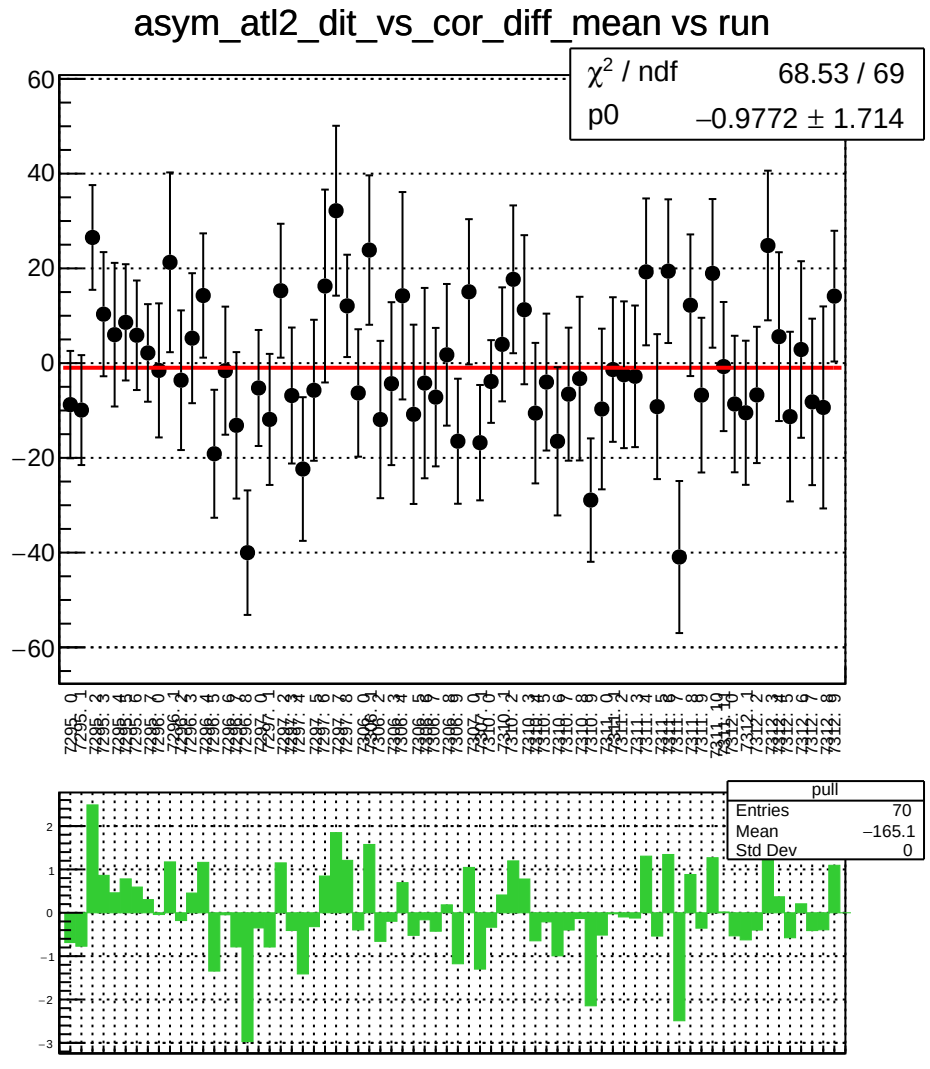

pull1D
Entries 70
Mean 0.005387
Std Dev 0.9084

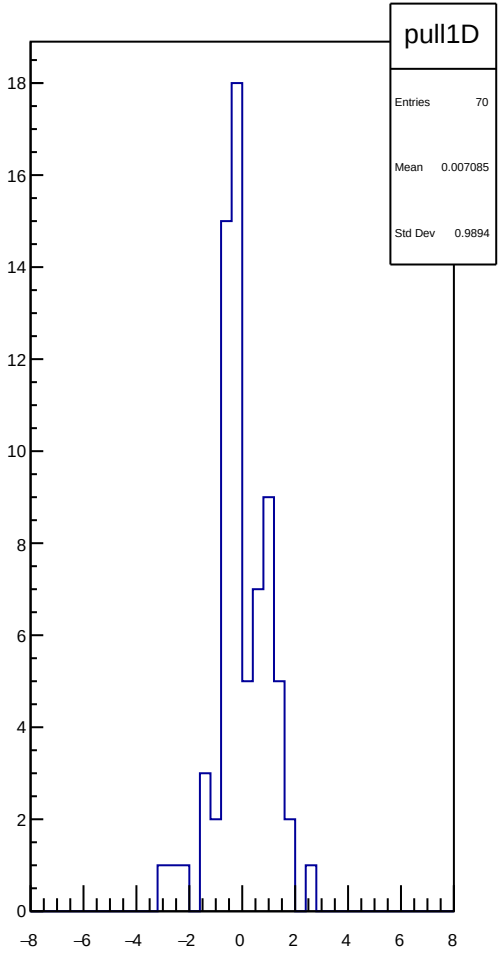

asym_atl2_rms vs run
χ² / ndf 2.301e+04 / 69
p0 9600 ± 8.433
18000
16000
14000
12000
10000
8000

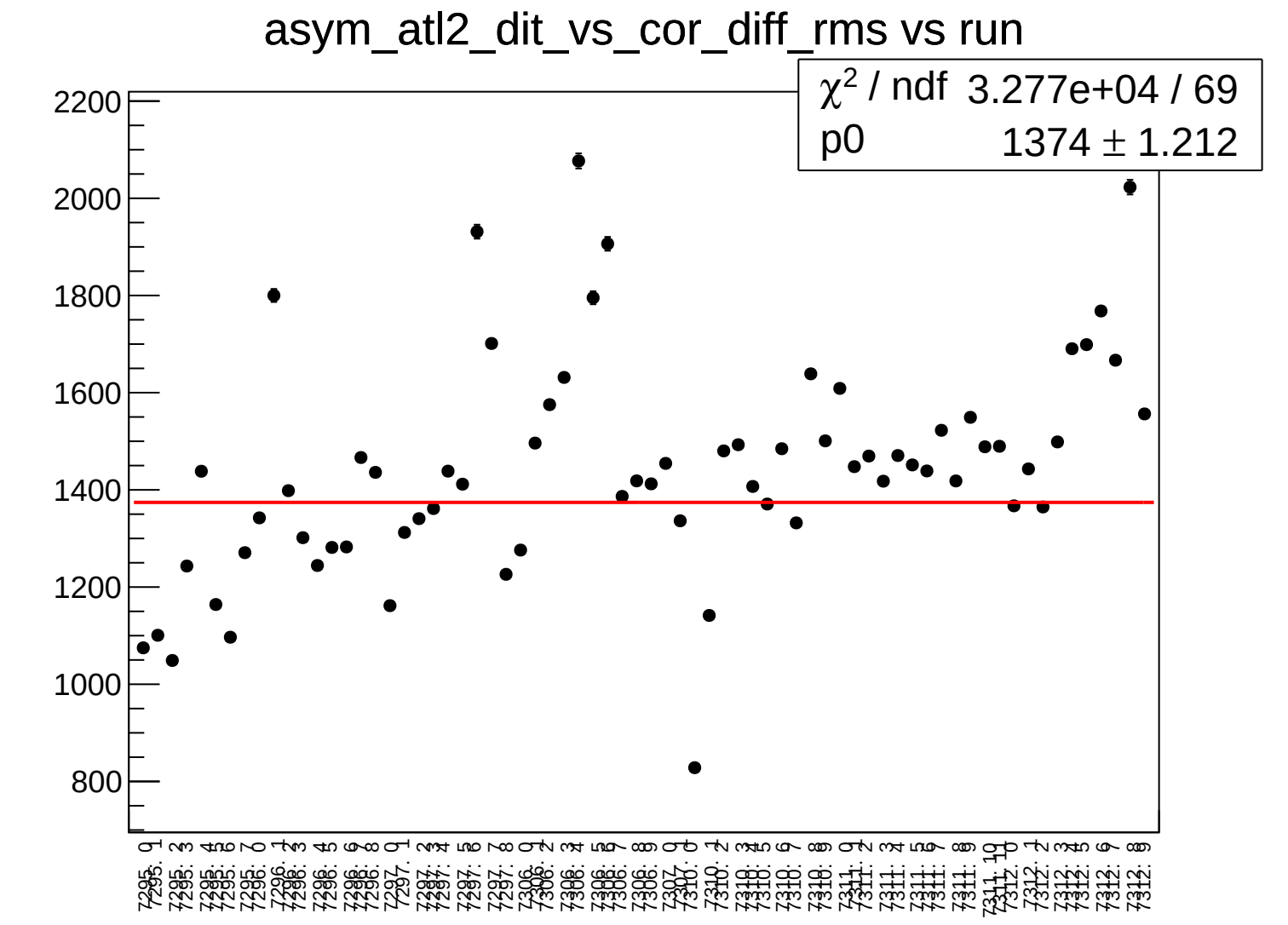

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 71.47 / 69
p0 −1.533e−13 ± 2.793e−13
pull
Entries 70
Mean 286.5
Std Dev 0

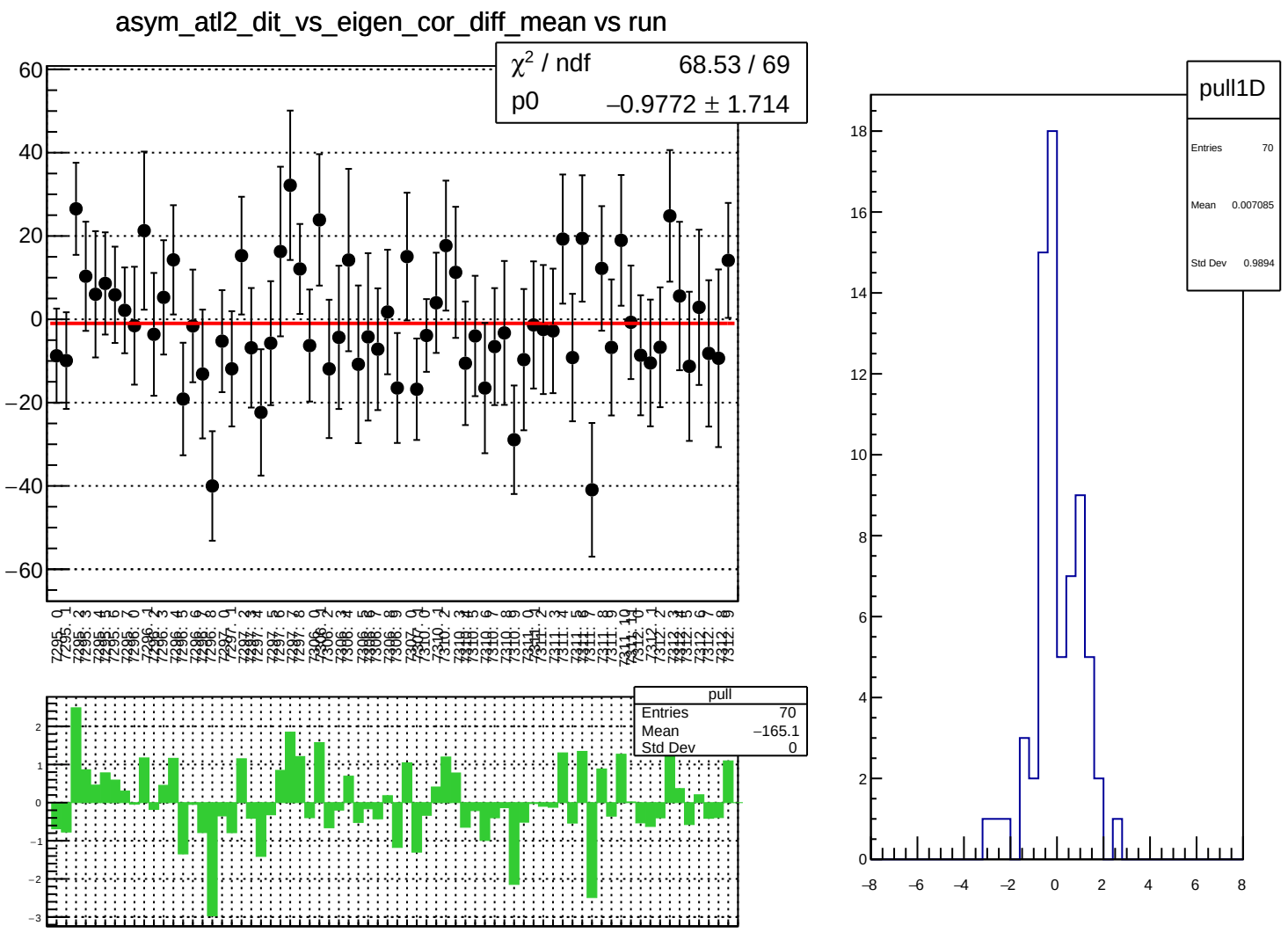

pull1D
Entries 70
Mean −0.003588
Std Dev 1.01

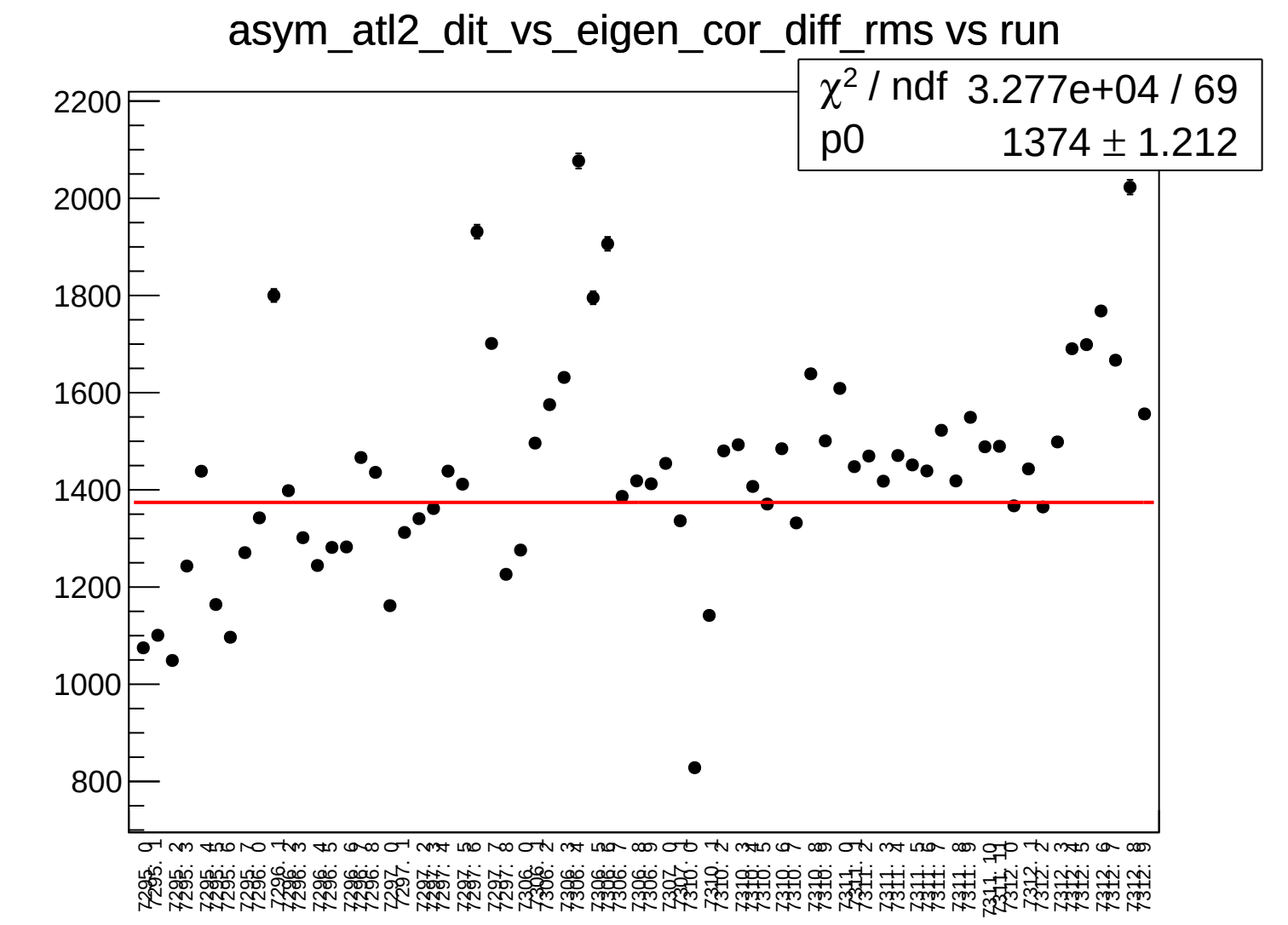

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.146e+05 / 69
p0 1.402e−10 ± 1.975e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

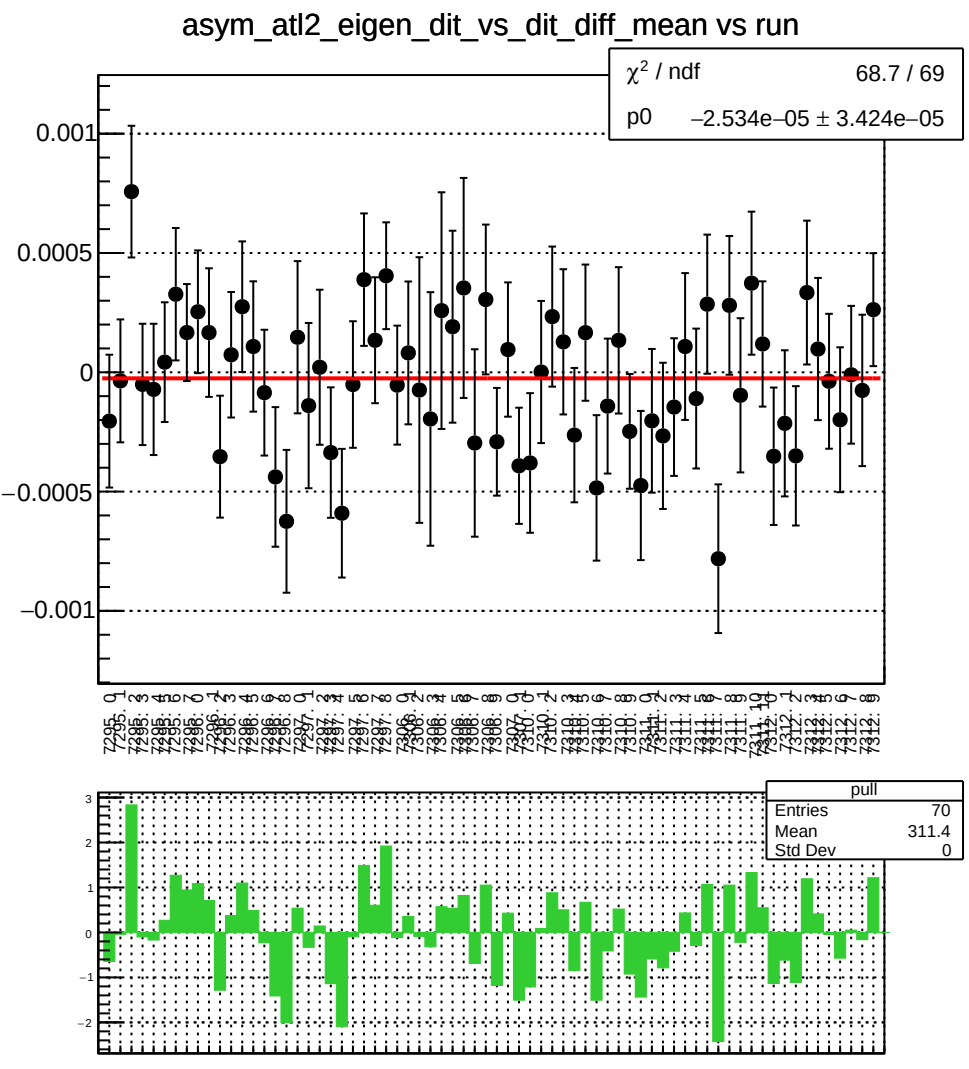

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 68.53 / 69
p0 −0.9772 ± 1.714
pull
Entries 70
Mean −165.1
Std Dev 0

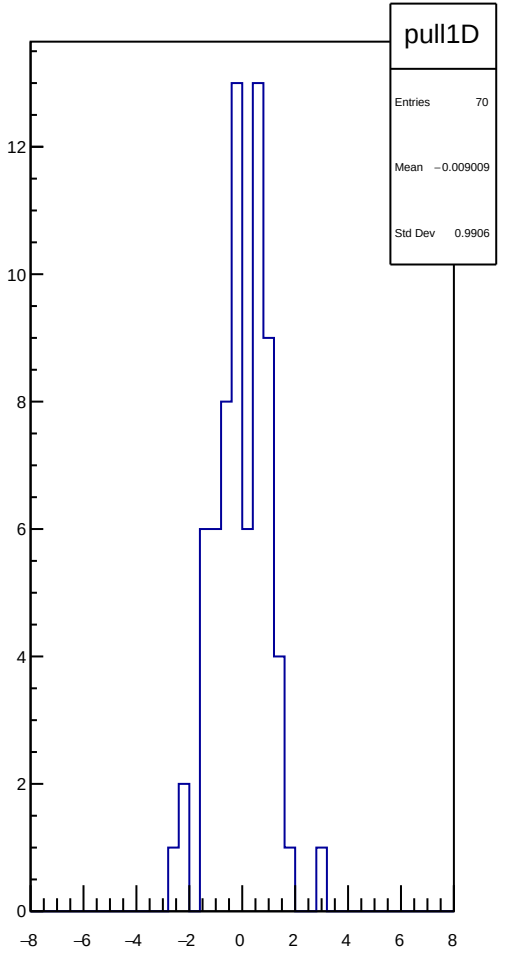

pull1D
Entries 70
Mean 0.007085
Std Dev 0.9894

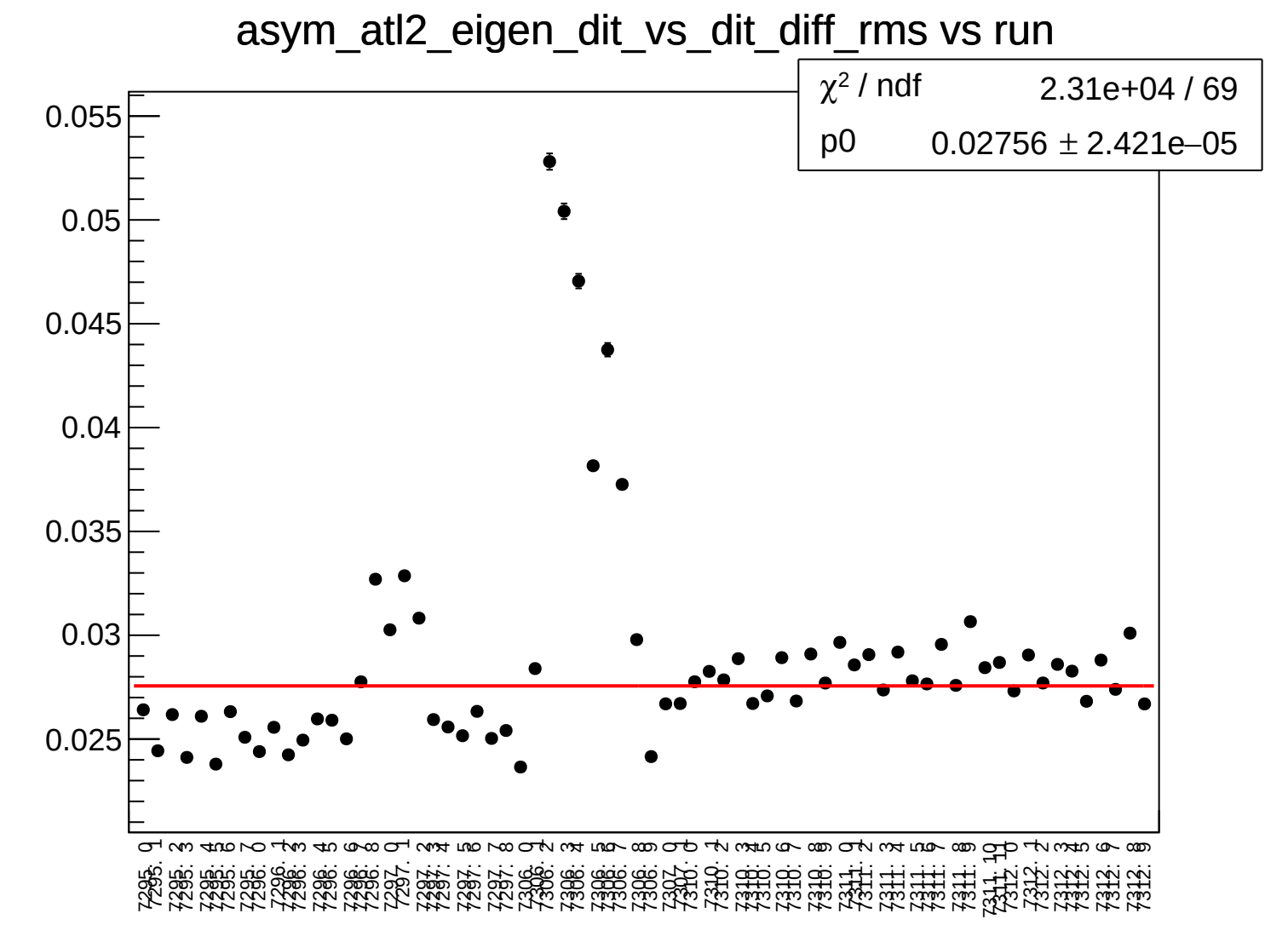

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 3.277e+04 / 69
p0 1374 ± 1.212
2200
2000
1800
1600
1400
1200
1000
800

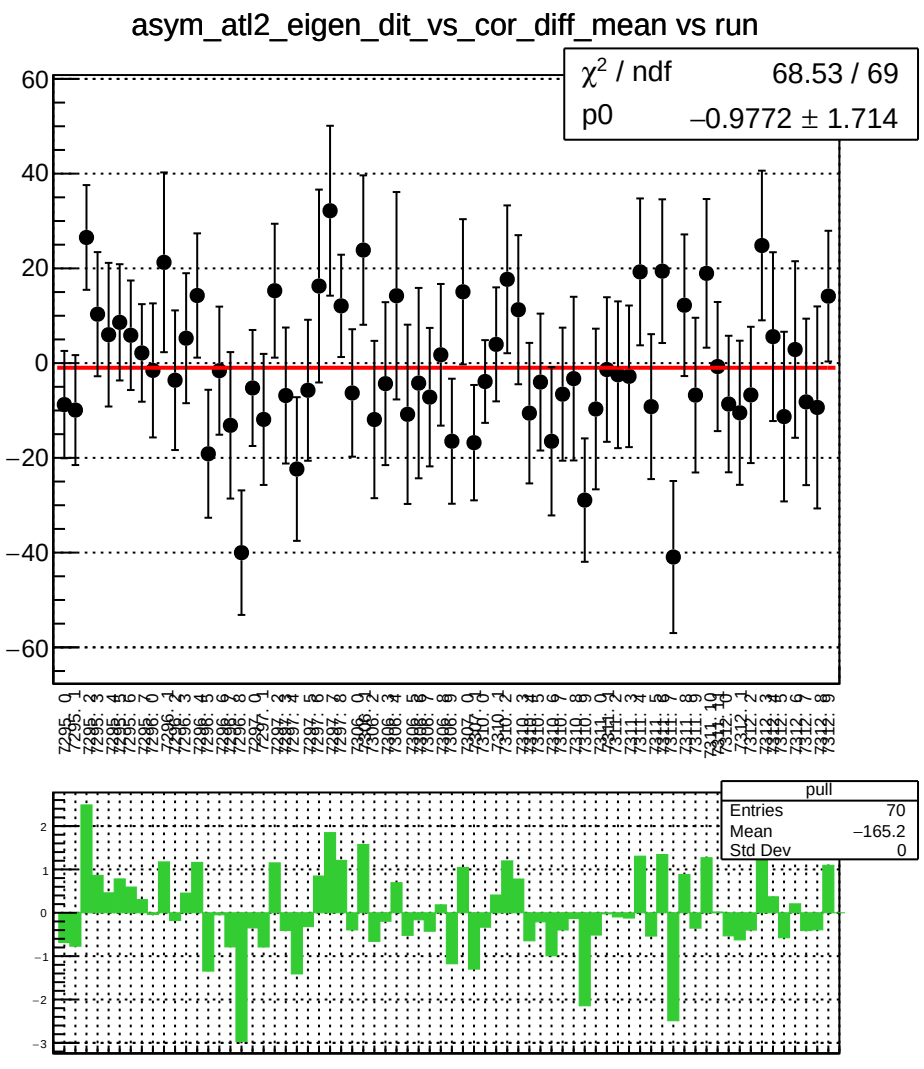

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.53 / 69
p0 −0.9772 ± 1.714
pull
Entries 70
Mean −165.1
Std Dev 0
pull1D
Entries 70
Mean 0.007085
Std Dev 0.9894

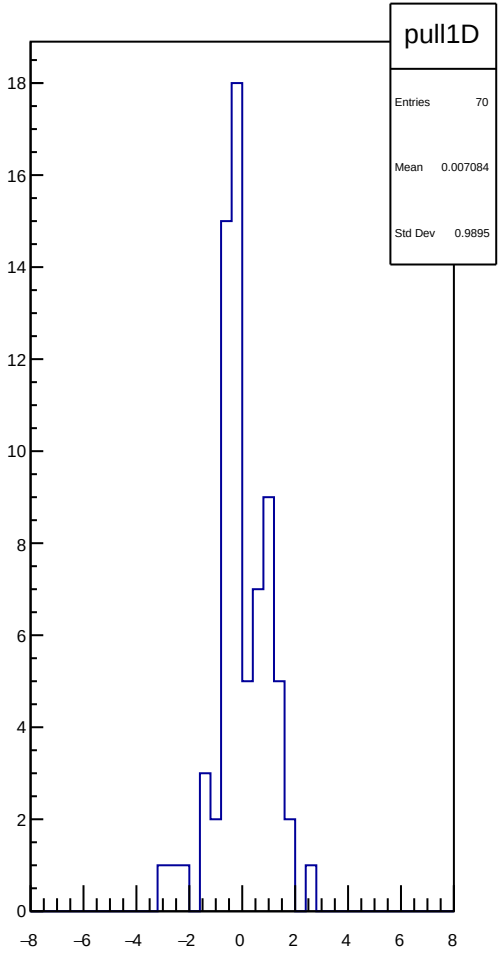

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.277e+04 / 69
p0 1374 ± 1.212
2200
2000
1800
1600
1400
1200
1000
800

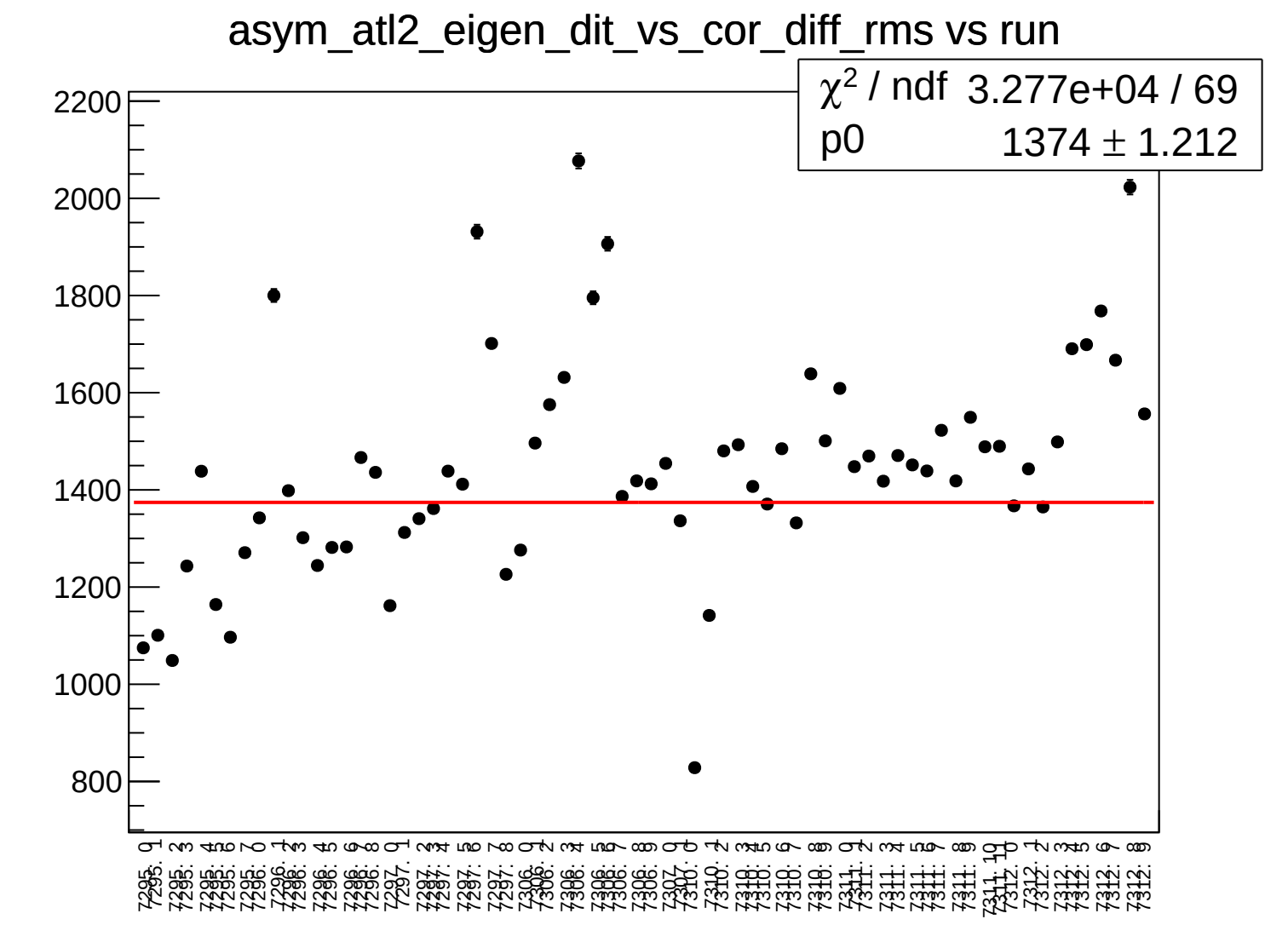

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.7 / 69
p0 −2.534e−05 ± 3.424e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 311.4
Std Dev 0

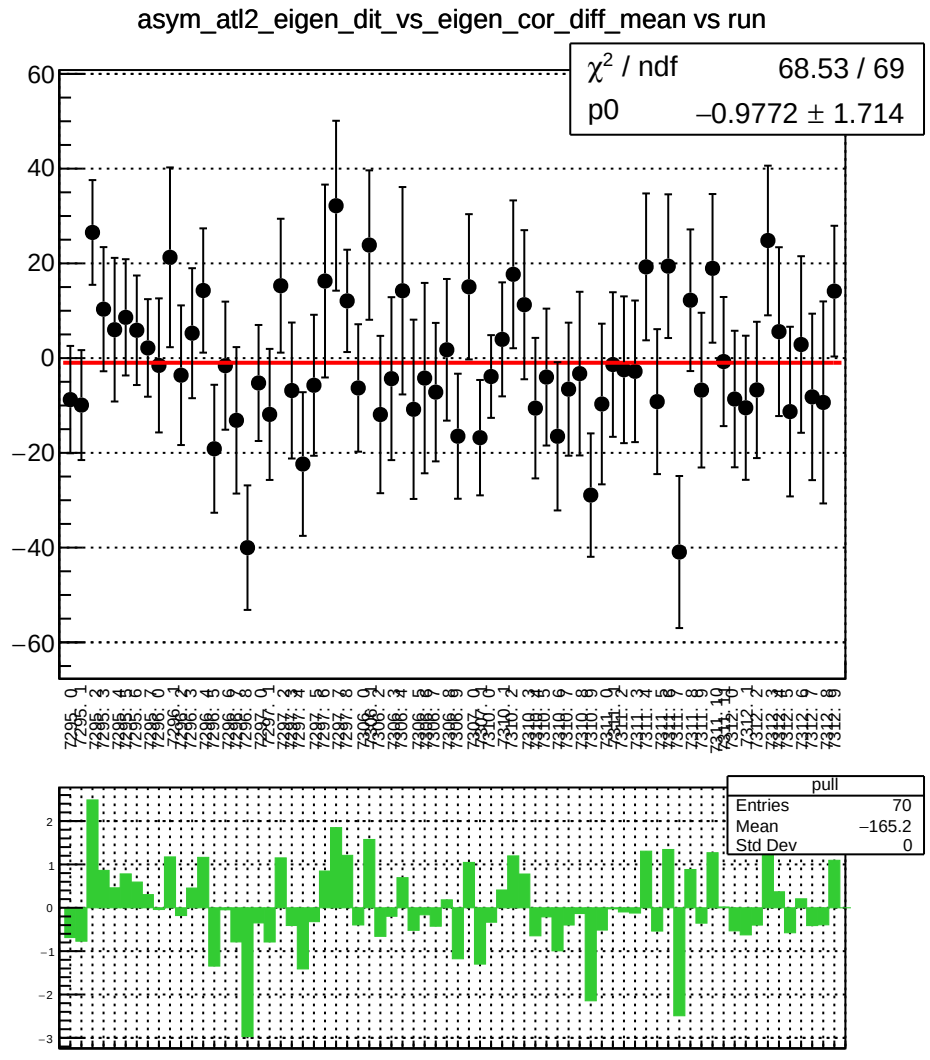

pull1D
Entries 70
Mean −0.009009
Std Dev 0.9906
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

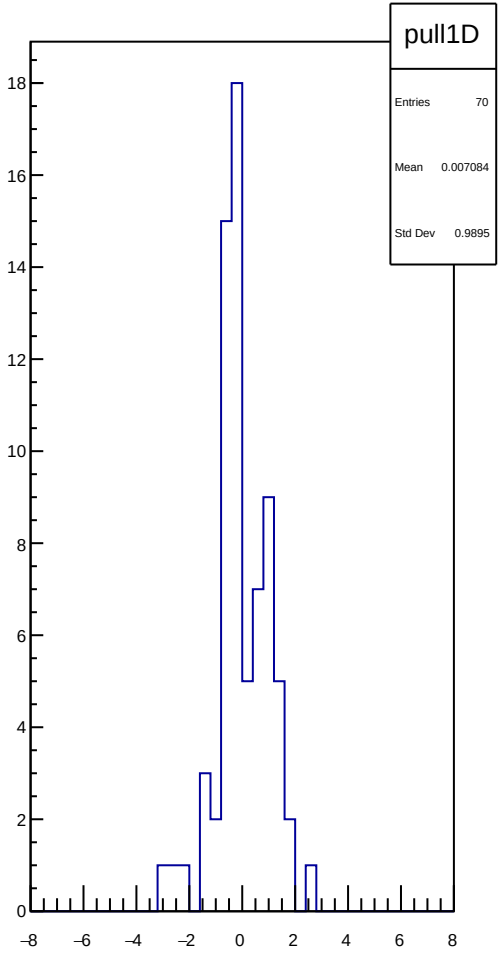

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.31e+04 / 69
p0 0.02756 ± 2.421e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025

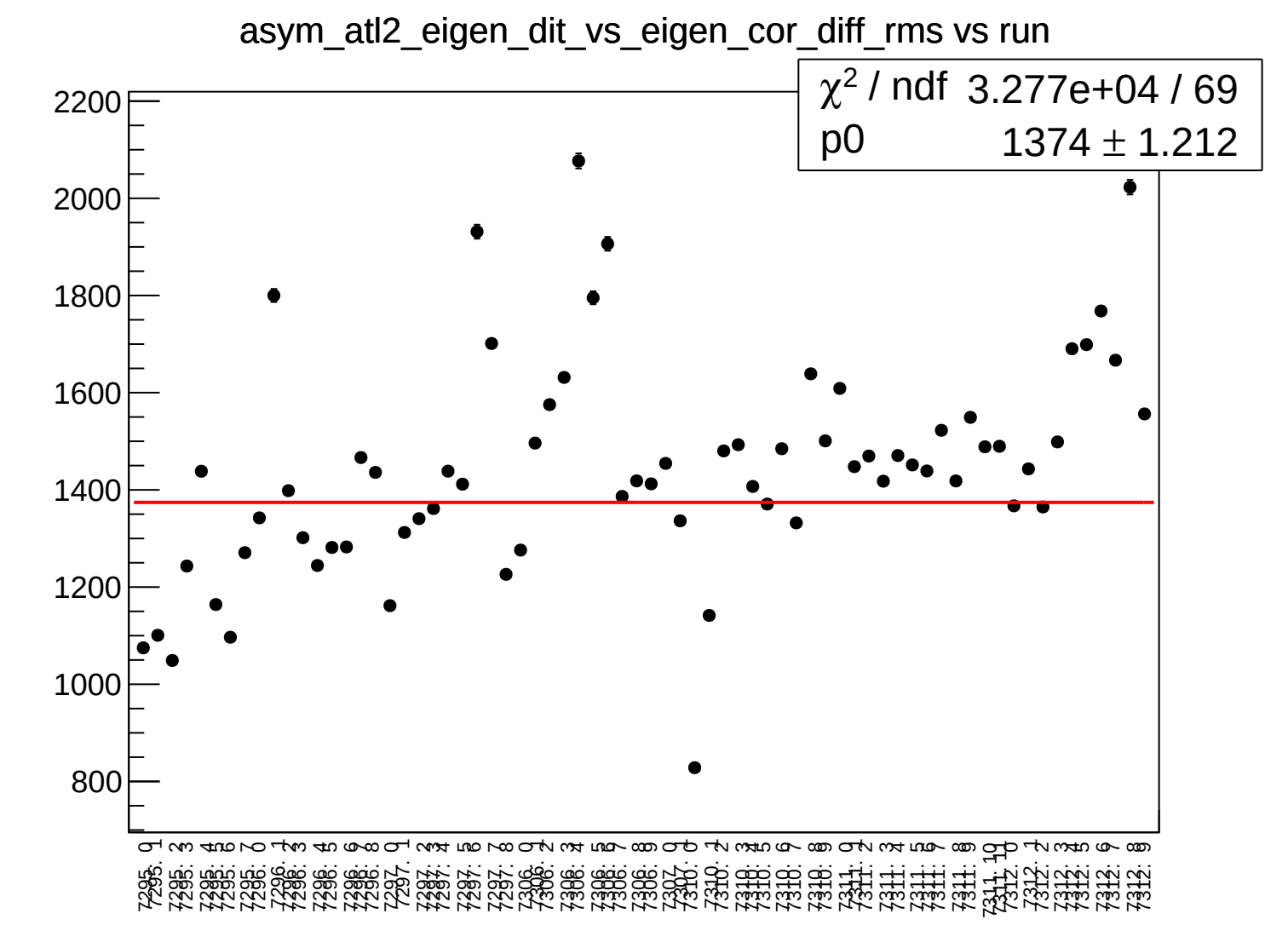

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.53 / 69
p0 −0.9772 ± 1.714
pull
Entries 70
Mean −165.2
Std Dev 0

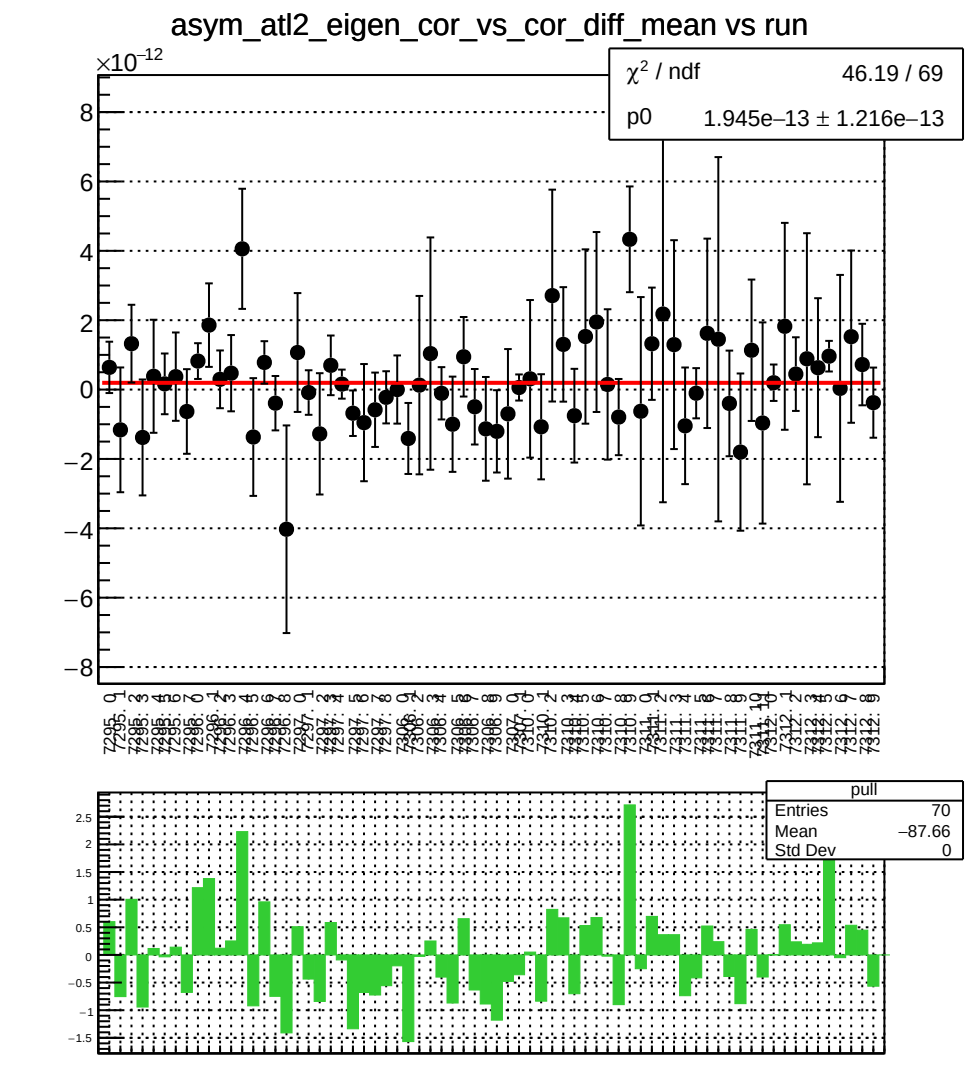

pull1D
Entries 70
Mean 0.007084
Std Dev 0.9895

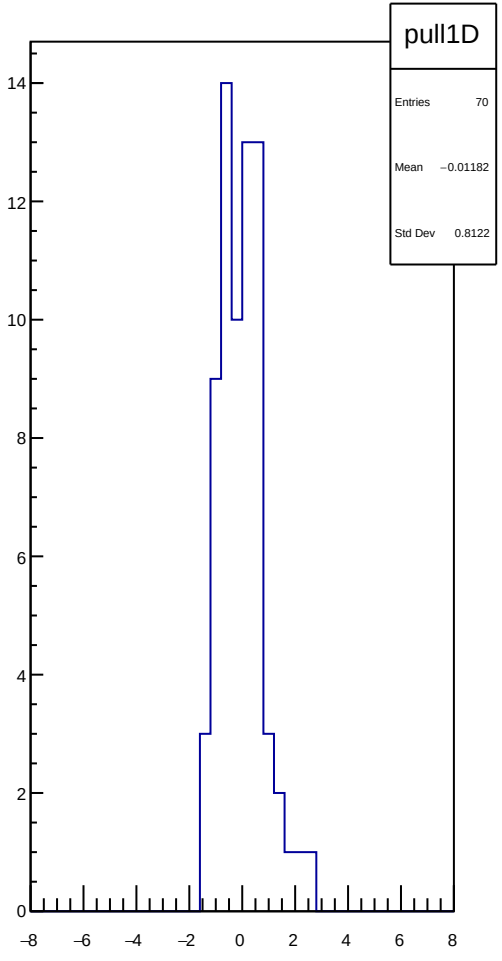

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.277e+04 / 69
p0 1374 ± 1.212
2200
2000
1800
1600
1400
1200
1000
800

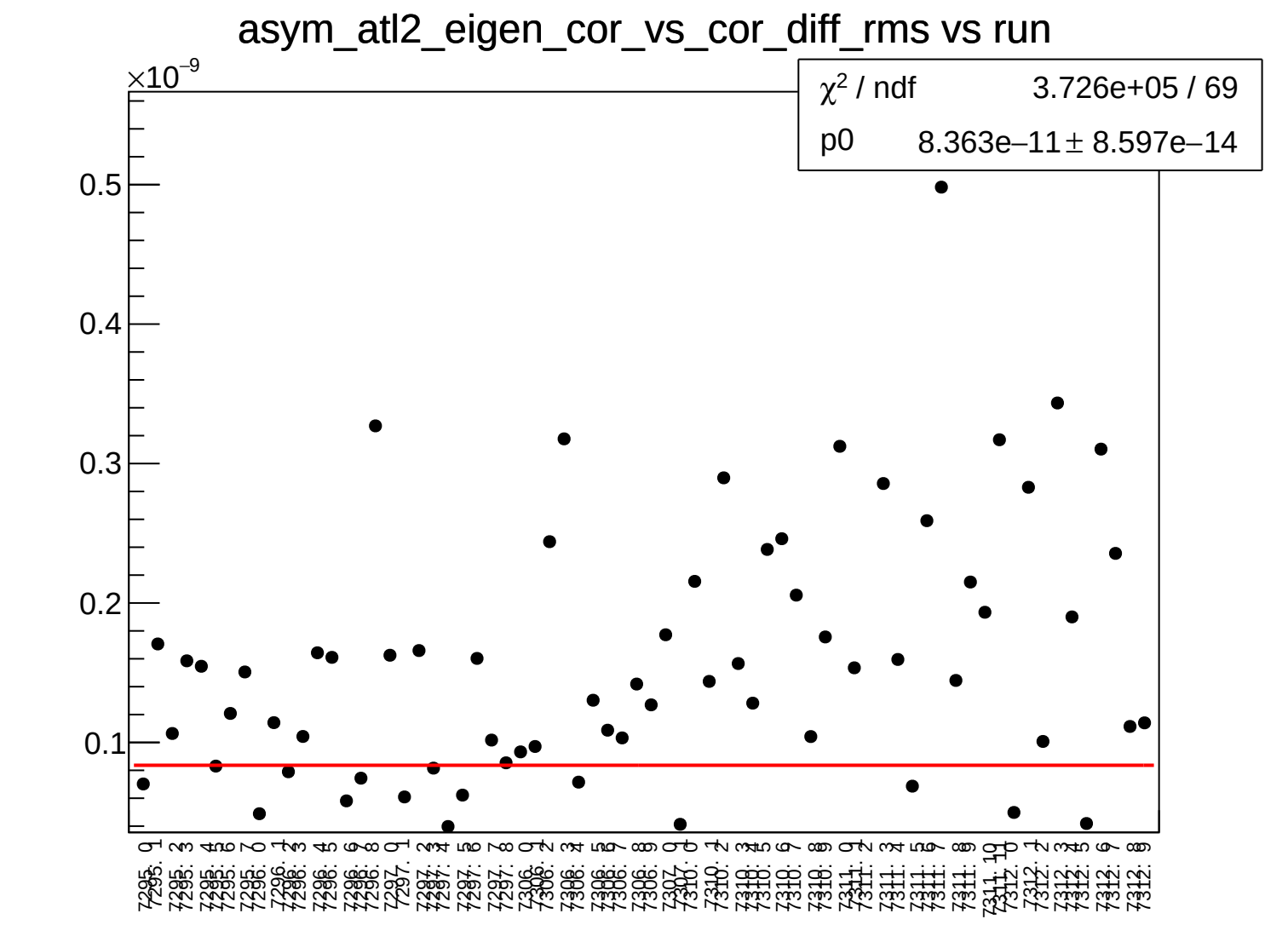

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.53 / 69
p0 −0.9772 ± 1.714
pull
Entries 70
Mean −165.2
Std Dev 0

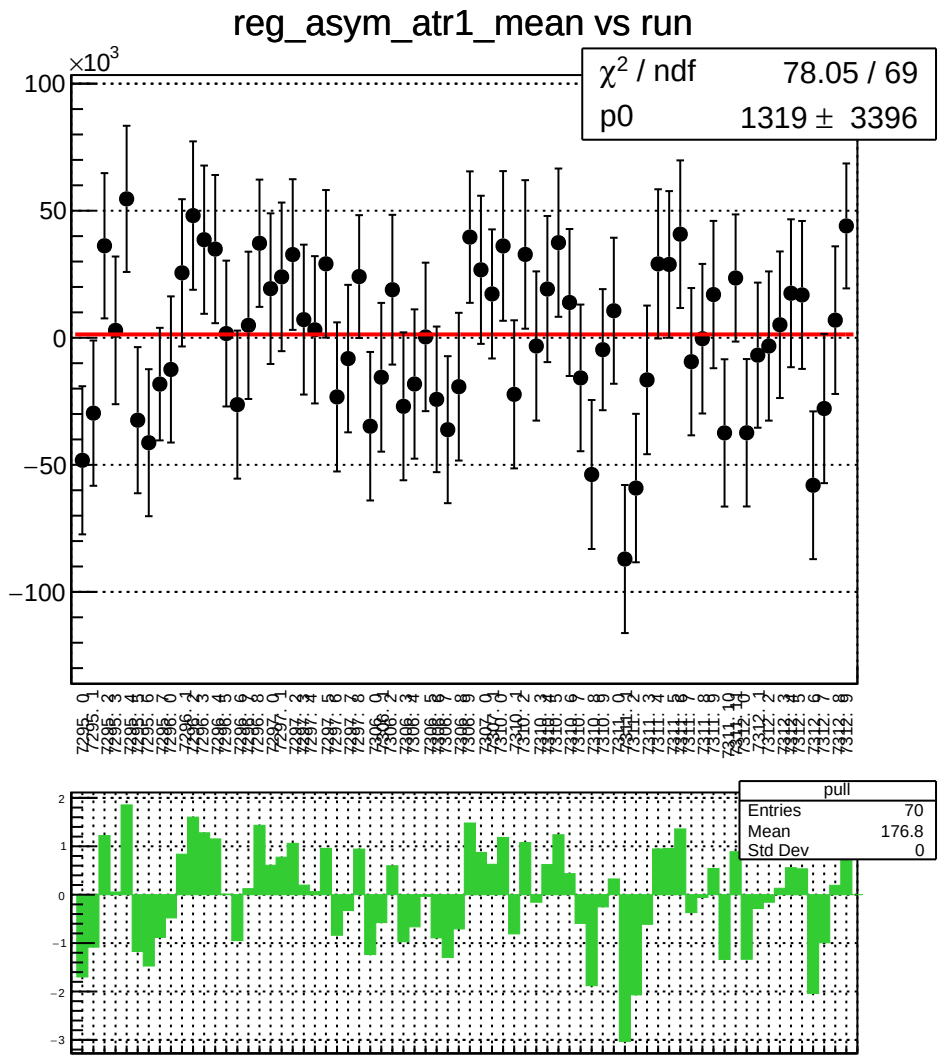

pull1D
Entries 70
Mean 0.007084
Std Dev 0.9895

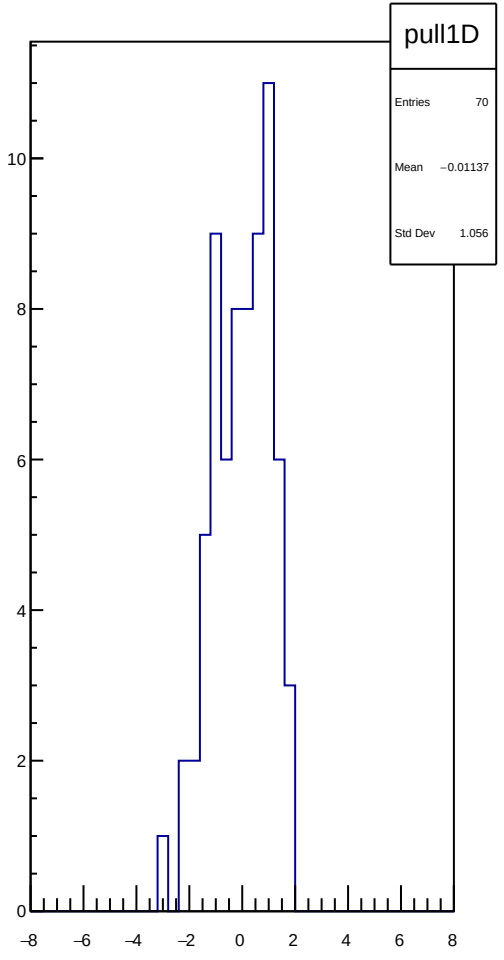

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.277e+04 / 69
p0 1374 ± 1.212
2200
2000
1800
1600
1400
1200
1000
800

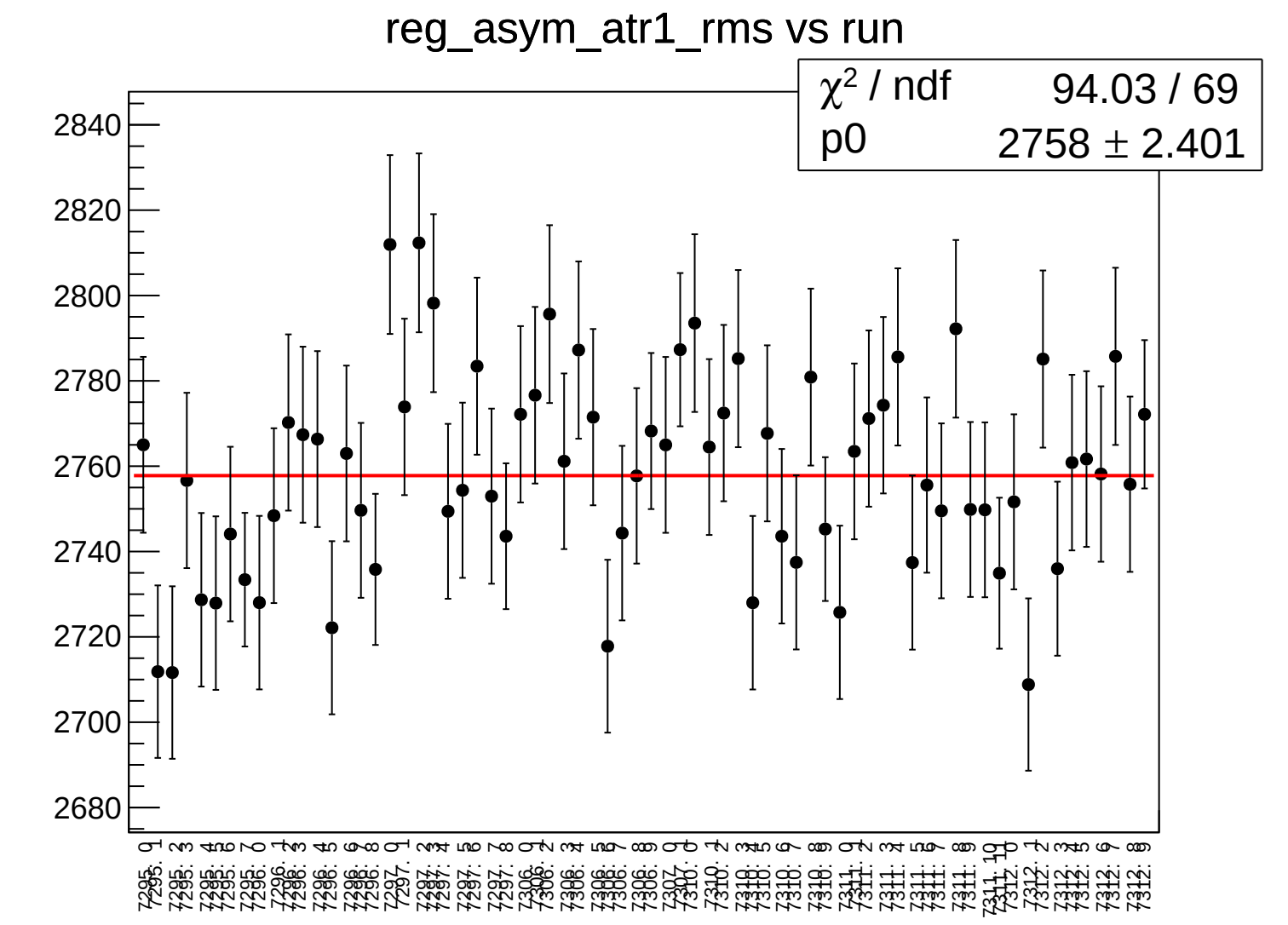

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.19 / 69
p0 1.945e−13 ± 1.216e−13
pull
Entries 70
Mean −87.66
Std Dev 0

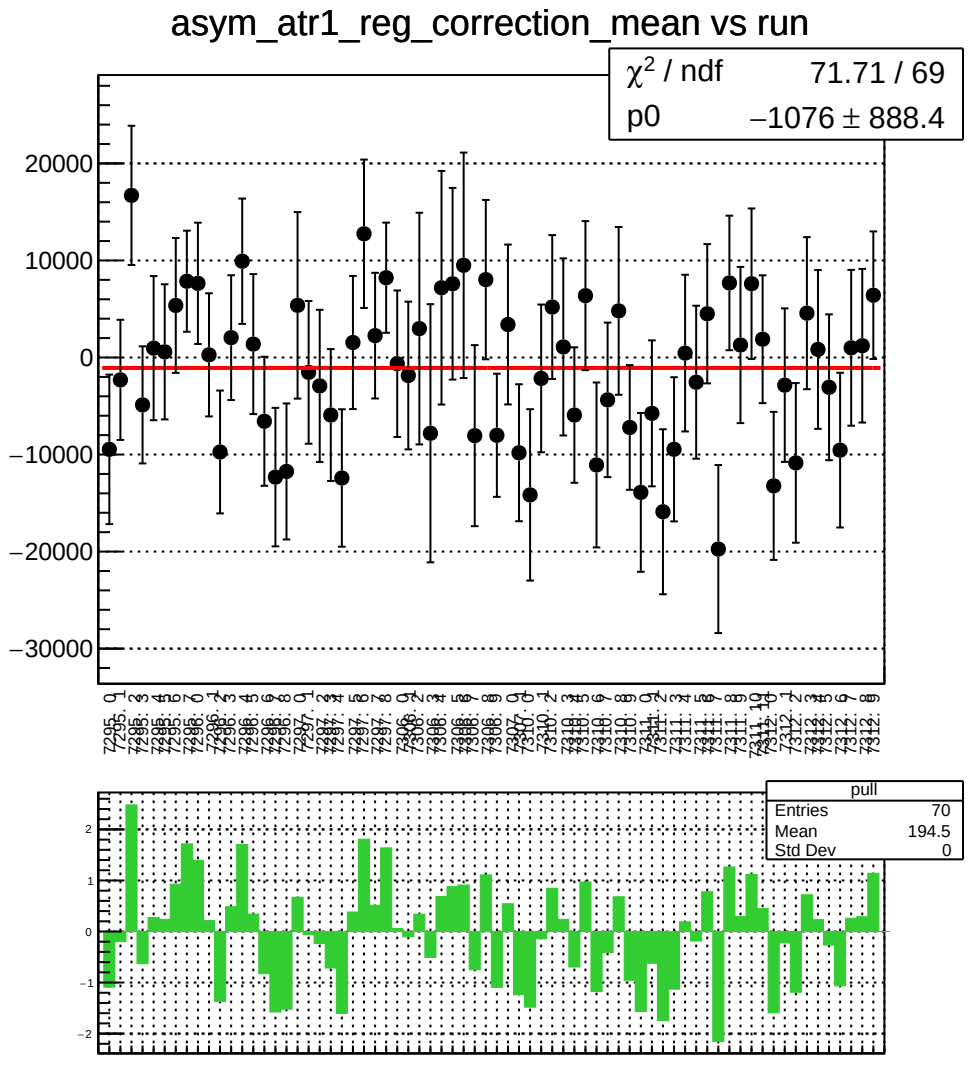

pull1D
Entries 70
Mean −0.01182
Std Dev 0.8122

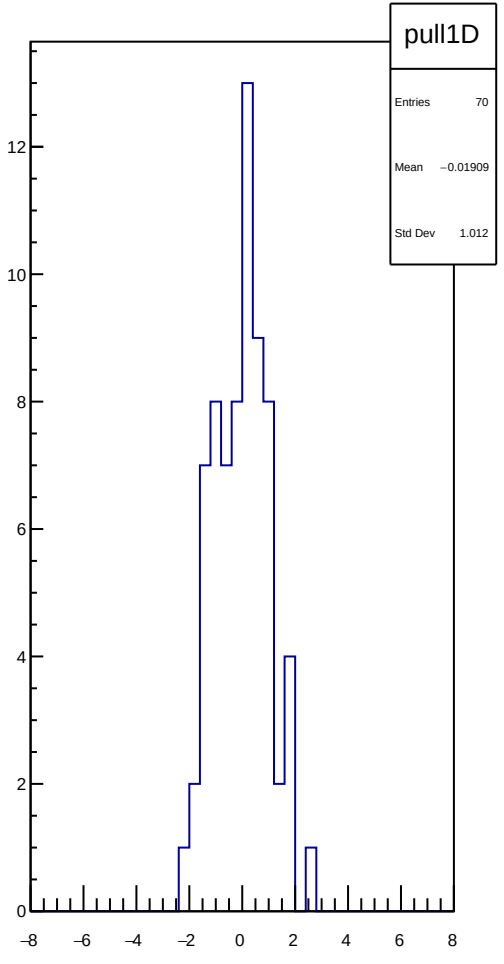

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.726e+05 / 69
p0 8.363e−11 ± 8.597e−14
0.5
0.4
0.3
0.2
0.1

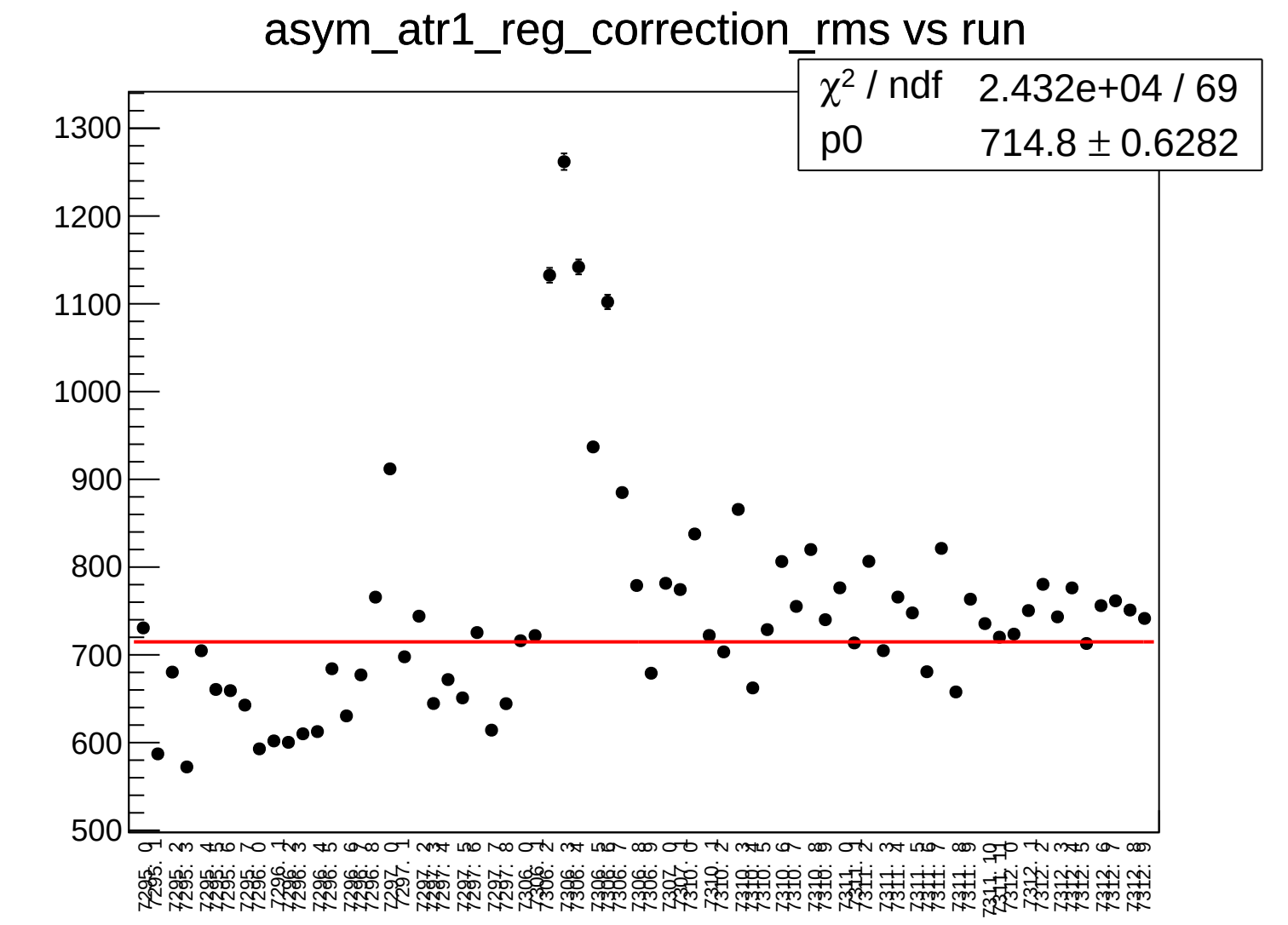

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 78.05 / 69
p0 1319 ± 3396
100
50
0
−50
−100
pull
Entries 70
Mean 176.8
Std Dev 0
2
1
0
−1
−2
−3

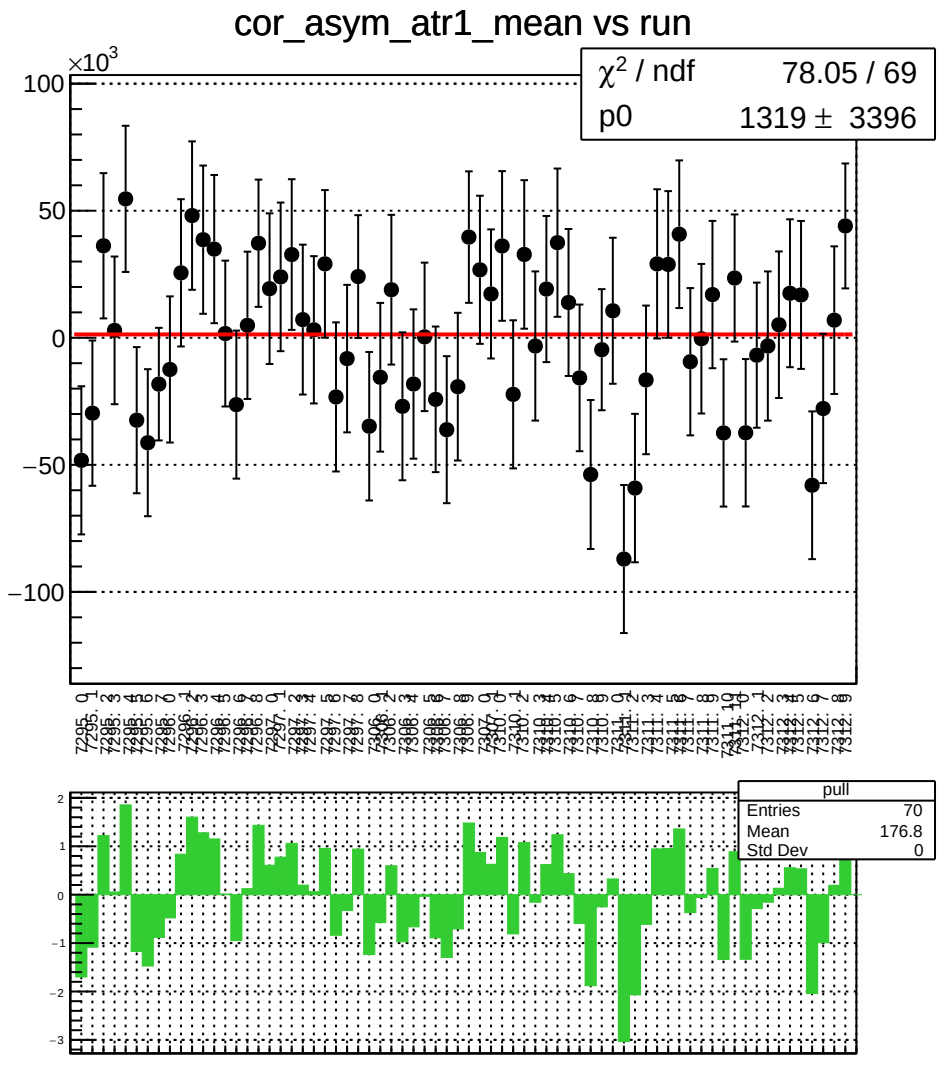

pull1D
Entries 70
Mean −0.01137
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

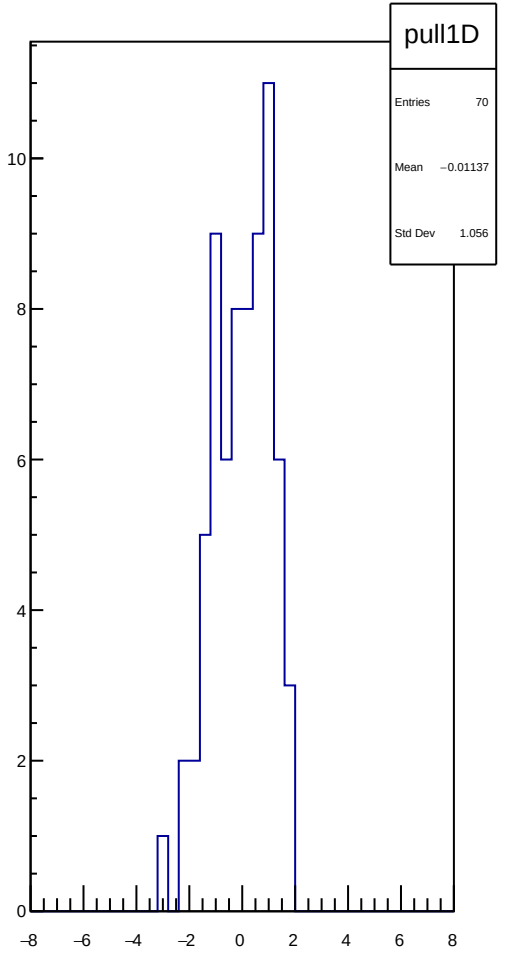

reg_asym_atr1_rms vs run
χ^2 / ndf 94.03 / 69
p0 2758 ± 2.401
2840
2820
2800
2780
2760
2740
2720
2700
2680

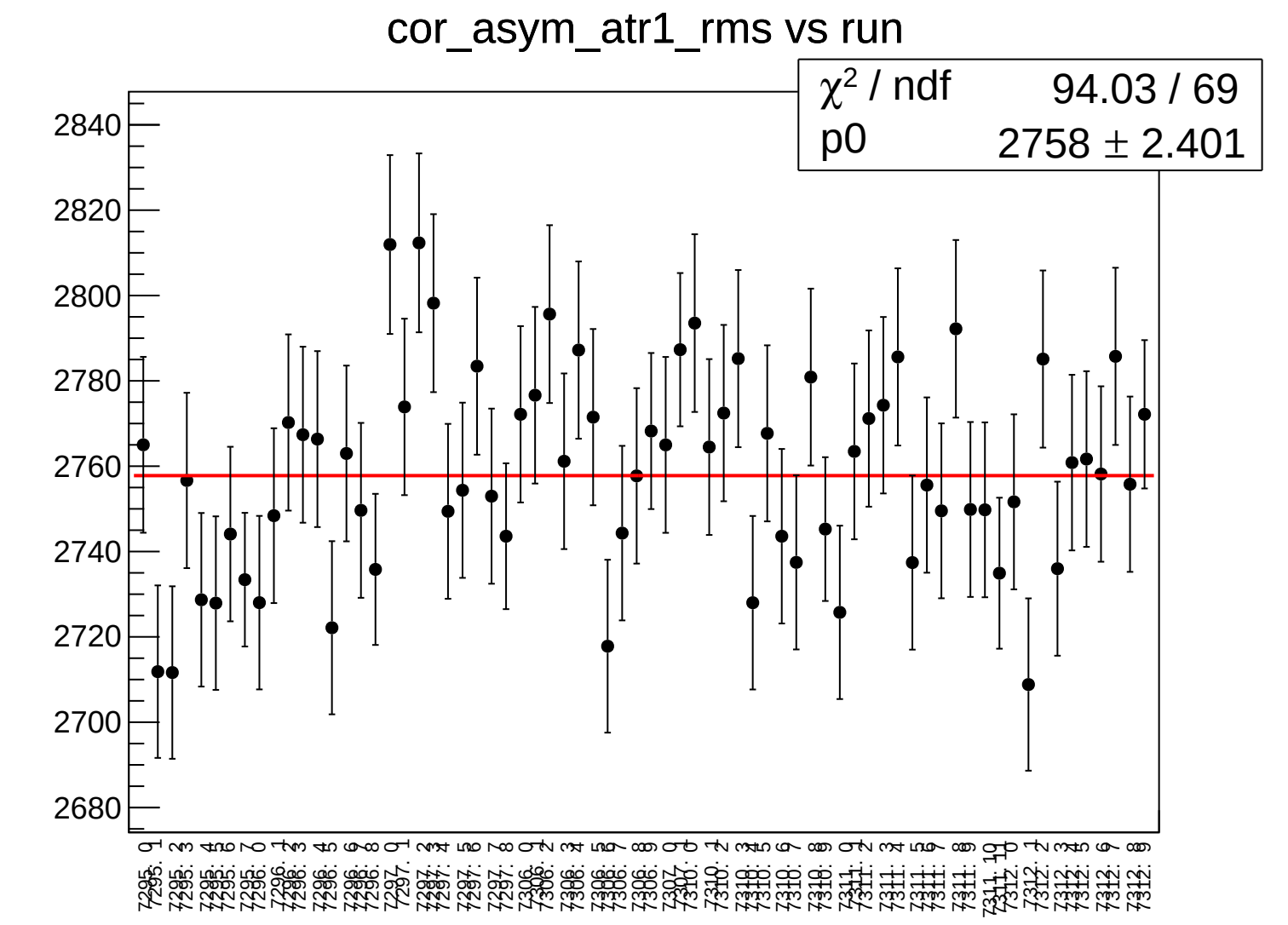

asym_atr1_reg_correction_mean vs run
χ² / ndf 71.71 / 69
p0 −1076 ± 888.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 194.5
Std Dev 0
2
1
0
−1
−2

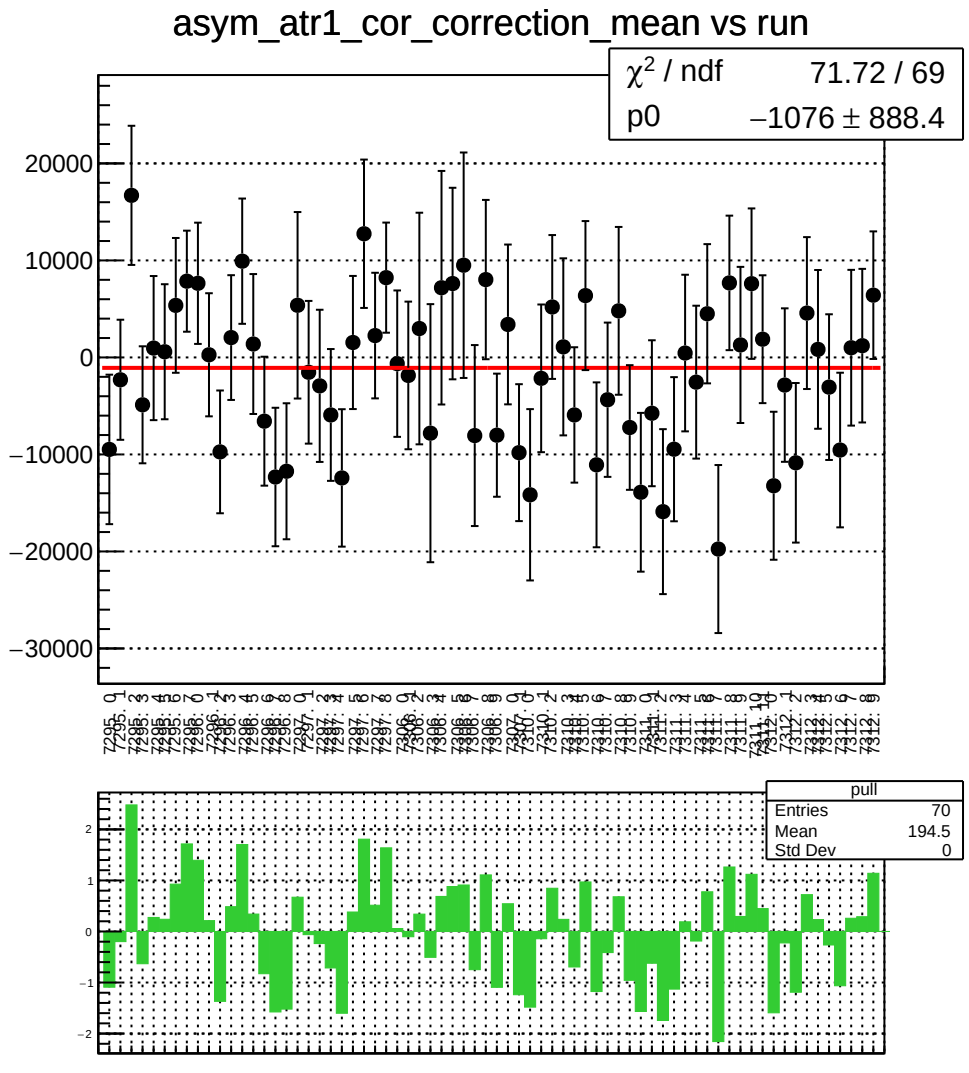

pull1D
Entries 70
Mean −0.01909
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

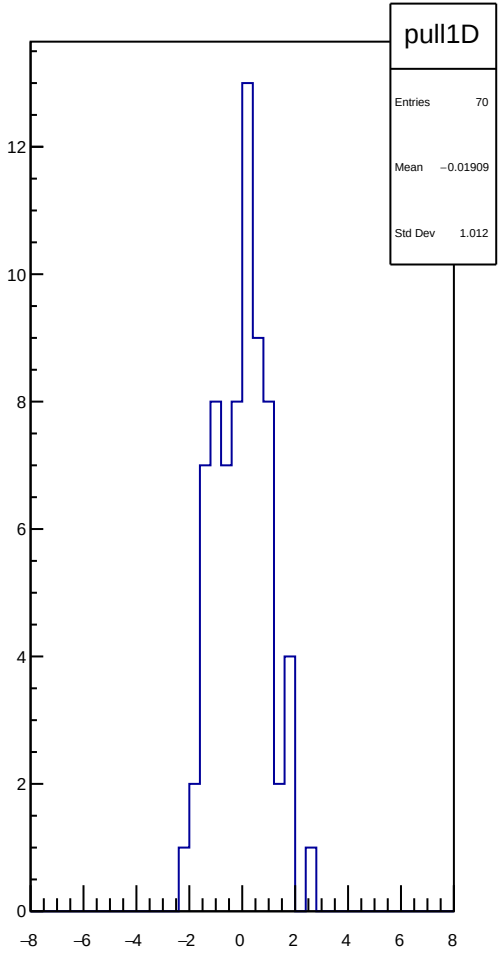

asym_atr1_reg_correction_rms vs run
χ² / ndf 2.432e+04 / 69
p0 714.8 ± 0.6282
1300
1200
1100
1000
900
800
700
600
500

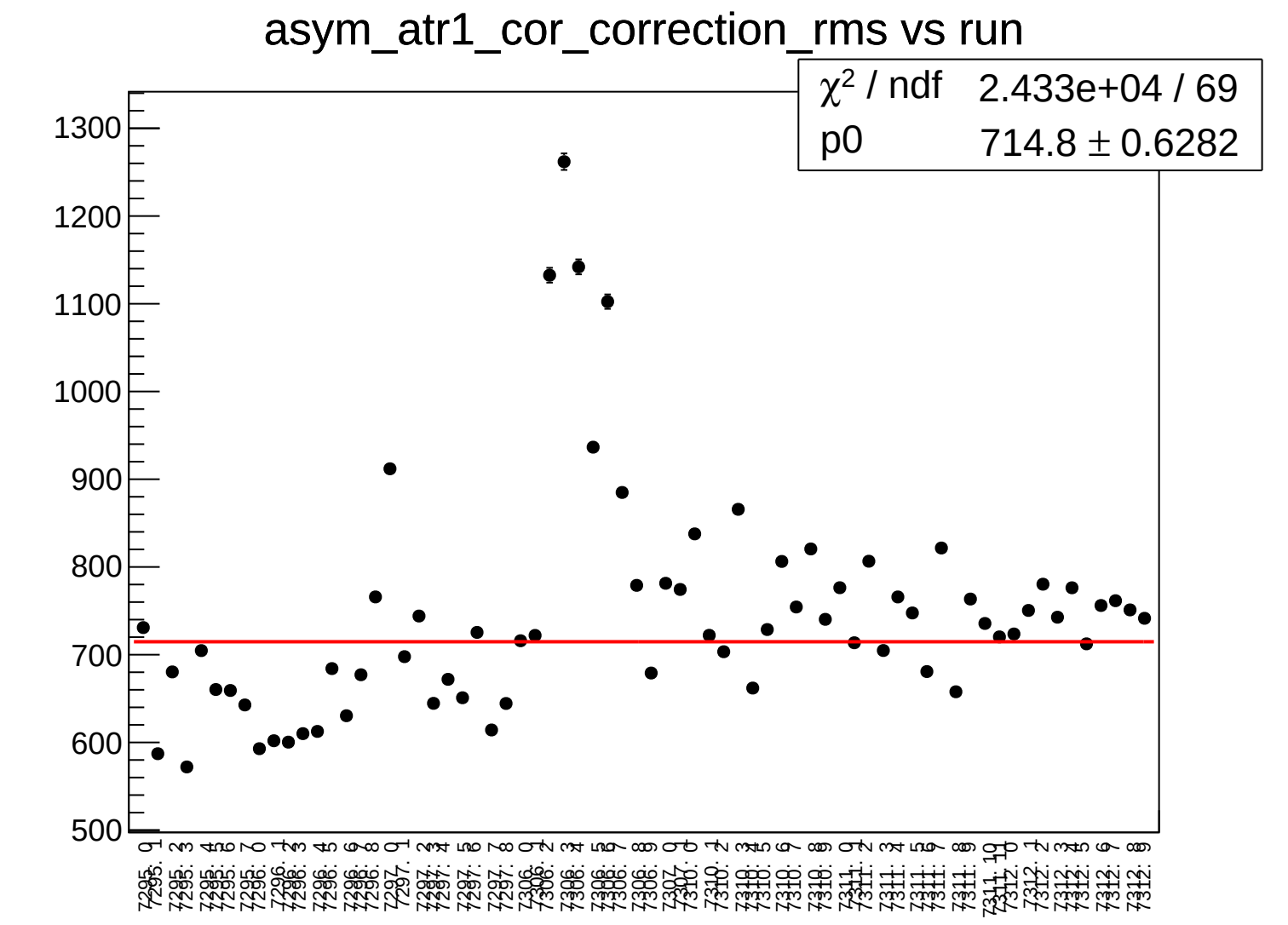

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 78.05 / 69
p0 1319 ± 3396
100
50
0
−50
−100
pull
Entries 70
Mean 176.8
Std Dev 0
2
1
0
−1
−2
−3

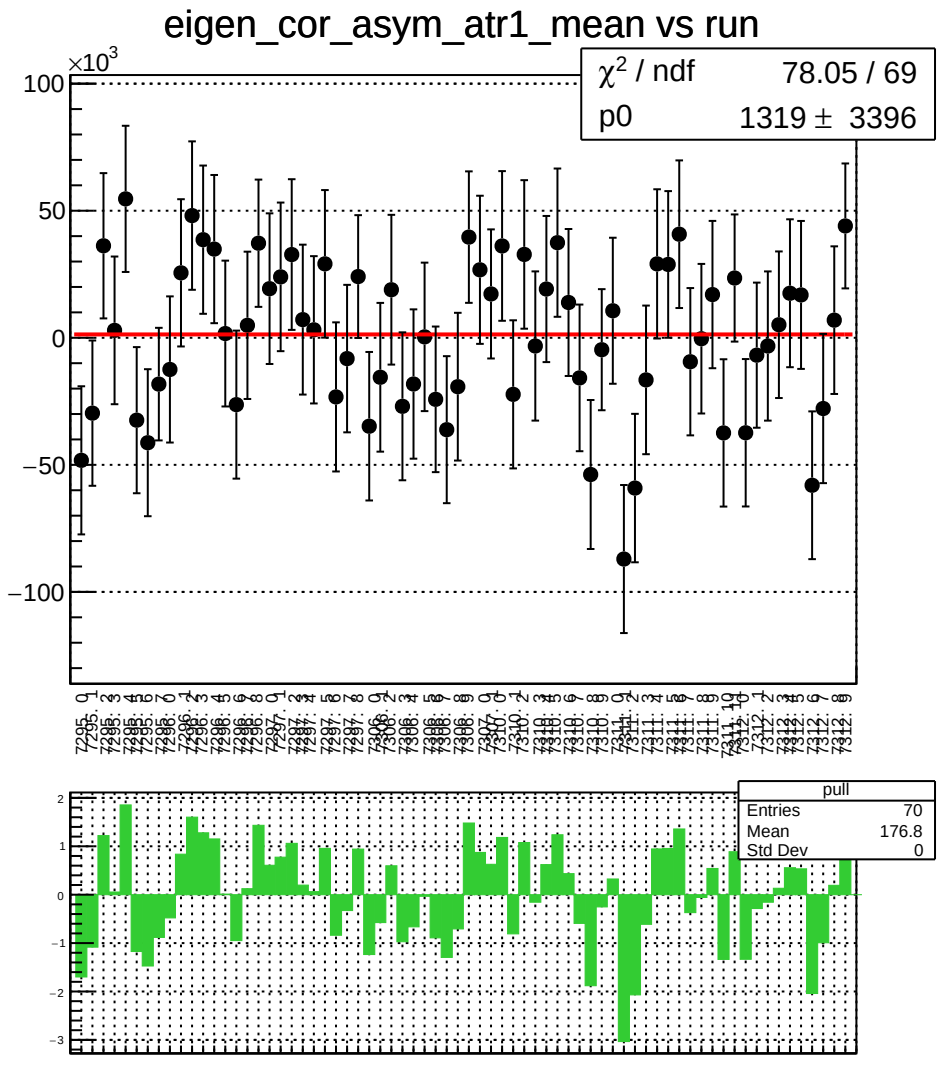

pull1D
Entries 70
Mean −0.01137
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

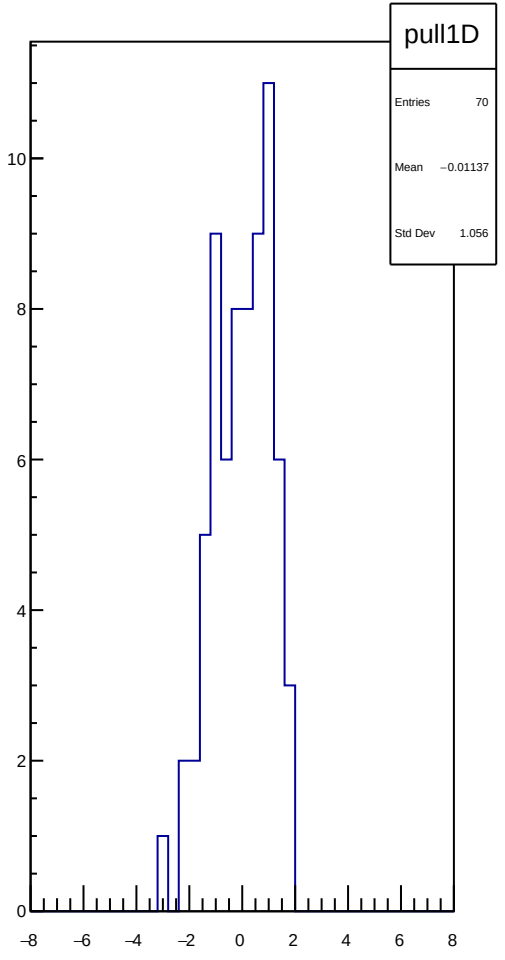

cor_asym_atr1_rms vs run
χ^2 / ndf 94.03 / 69
p0 2758 ± 2.401
2840
2820
2800
2780
2760
2740
2720
2700
2680

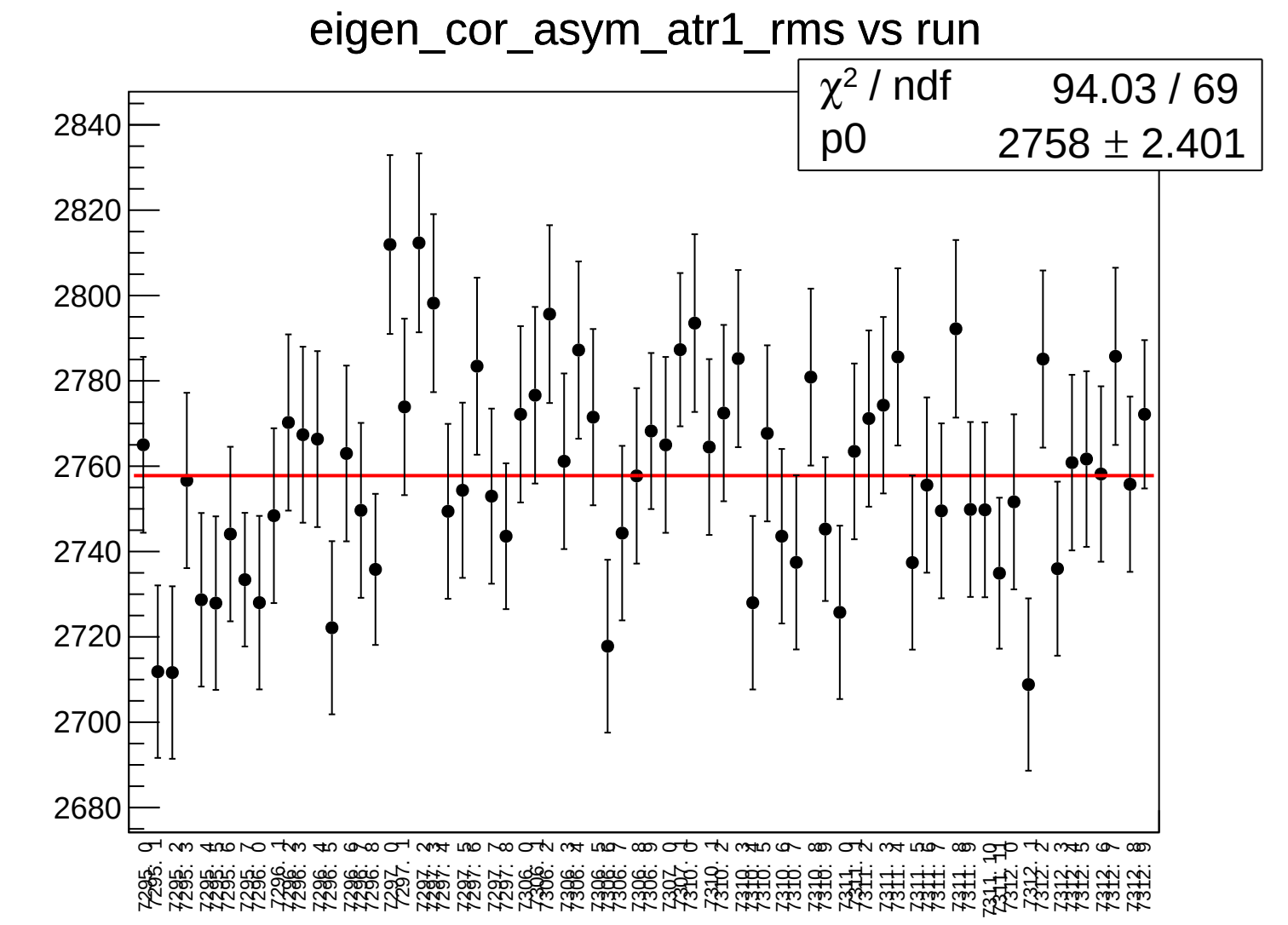

asym_atr1_cor_correction_mean vs run
χ² / ndf 71.72 / 69
p0 −1076 ± 888.4
pull
Entries 70
Mean 194.5
Std Dev 0

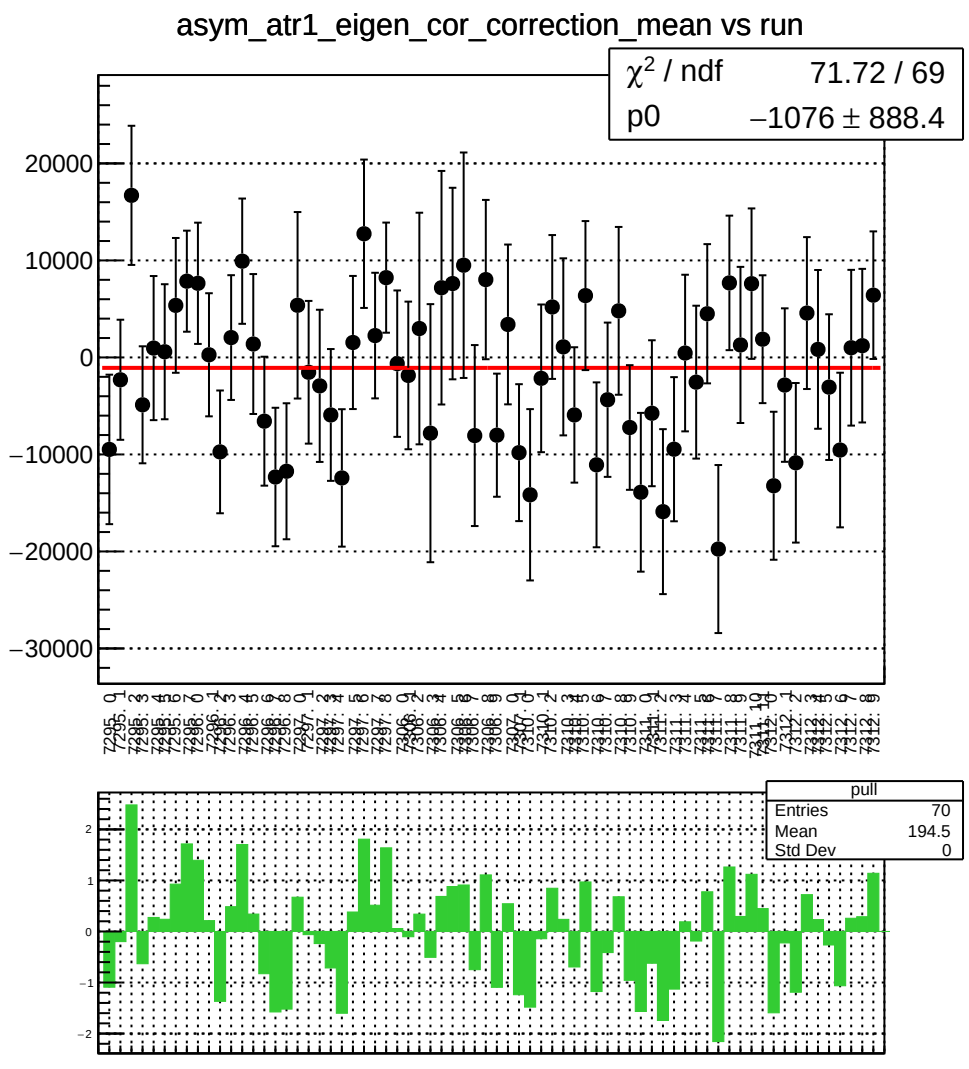

pull1D
Entries 70
Mean −0.01909
Std Dev 1.012

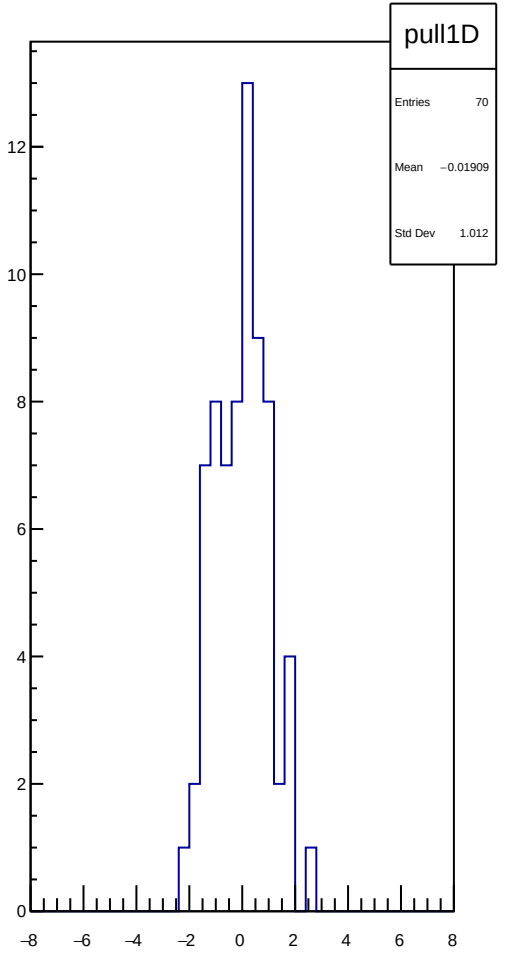

asym_atr1_cor_correction_rms vs run
χ² / ndf 2.433e+04 / 69
p0 714.8 ± 0.6282
1300
1200
1100
1000
900
800
700
600
500

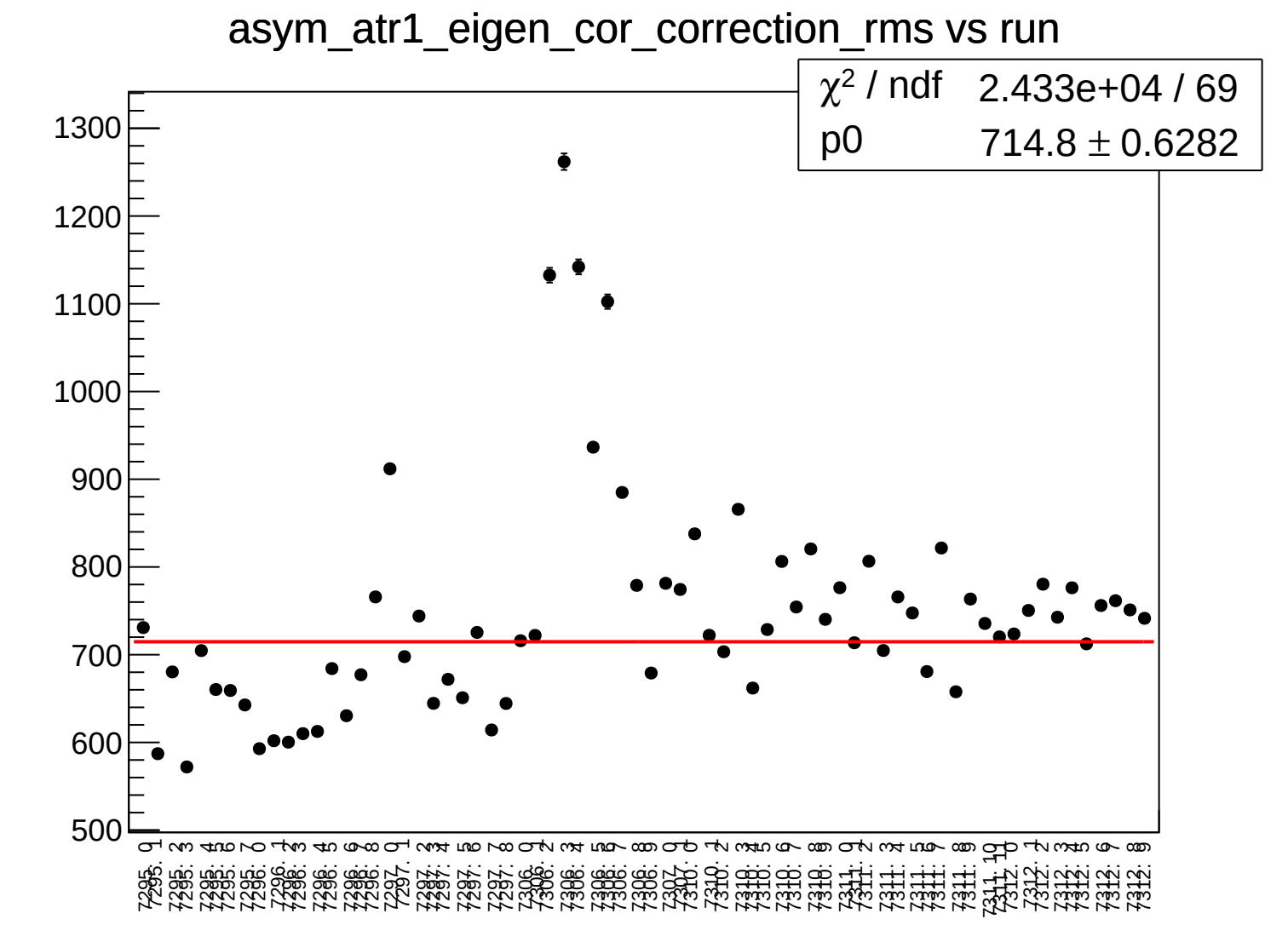

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 78.05 / 69
p0 1319 ± 3396
100
50
0
−50
−100
pull
Entries 70
Mean 176.8
Std Dev 0
2
1
0
−1
−2
−3

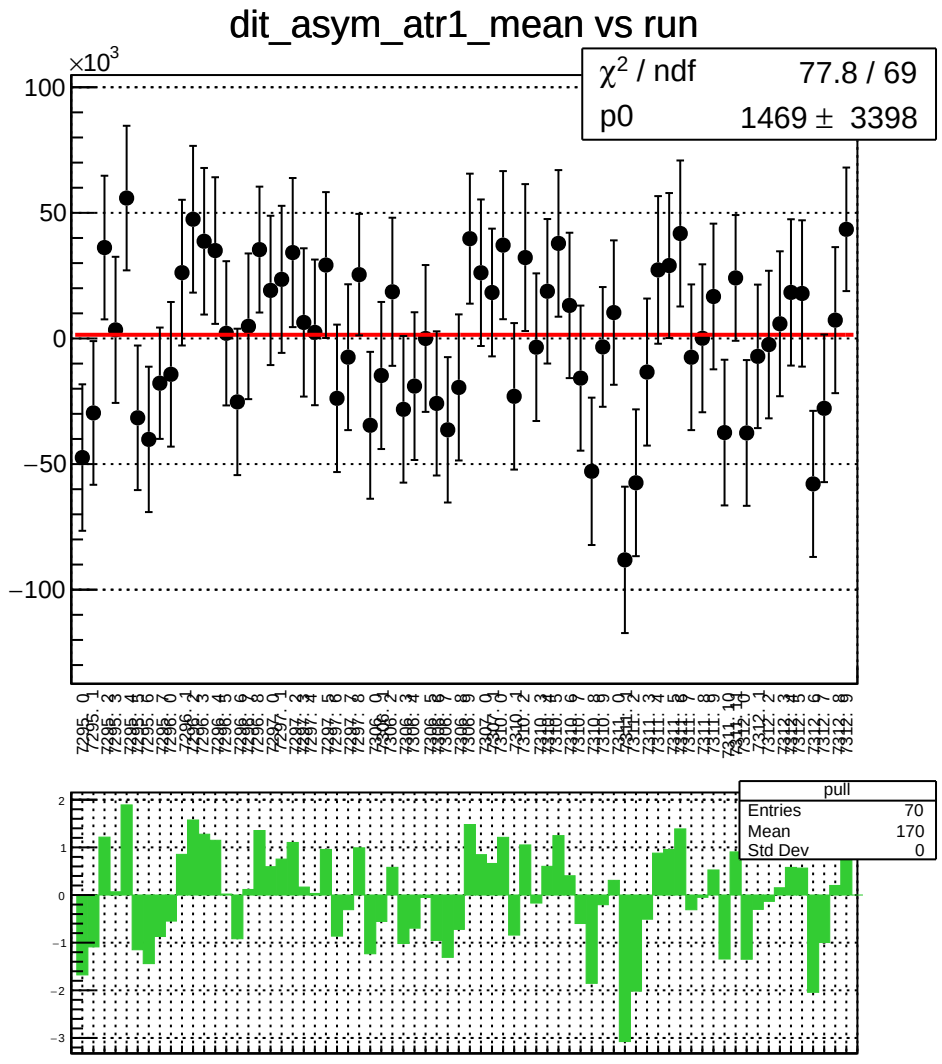

pull1D
Entries 70
Mean −0.01137
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

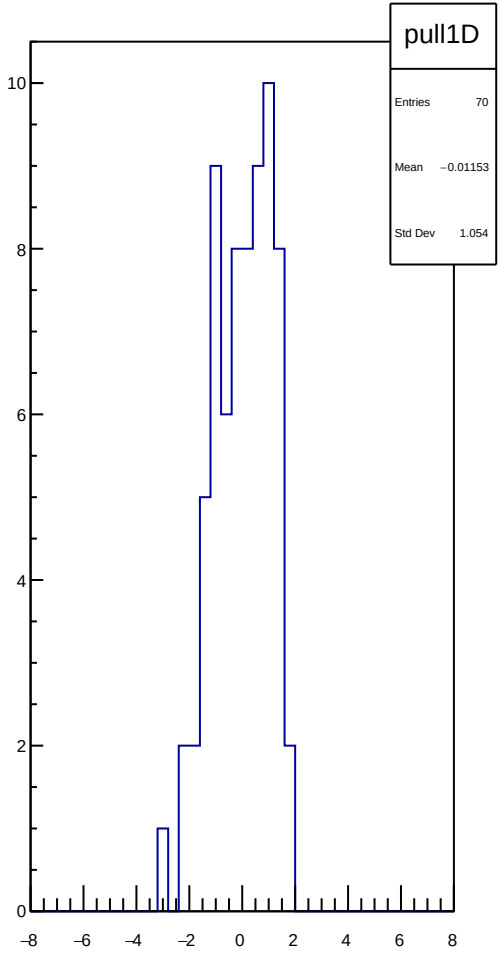

eigen_cor_asym_atr1_rms vs run
χ^2 / ndf 94.03 / 69
p0 2758 ± 2.401
2840
2820
2800
2780
2760
2740
2720
2700
2680

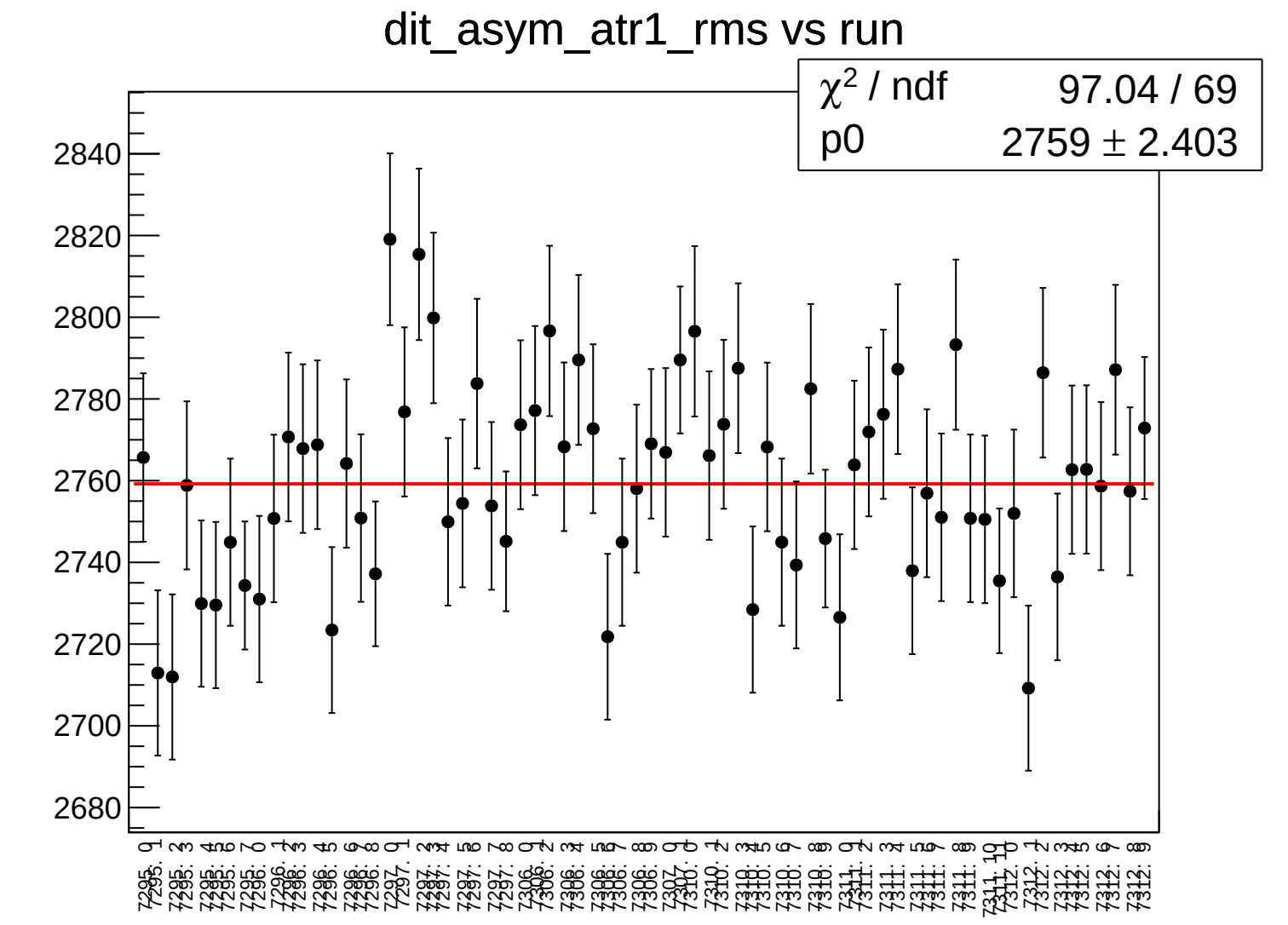

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 71.72 / 69
p0 −1076 ± 888.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 194.5
Std Dev 0
2
1
0
−1
−2

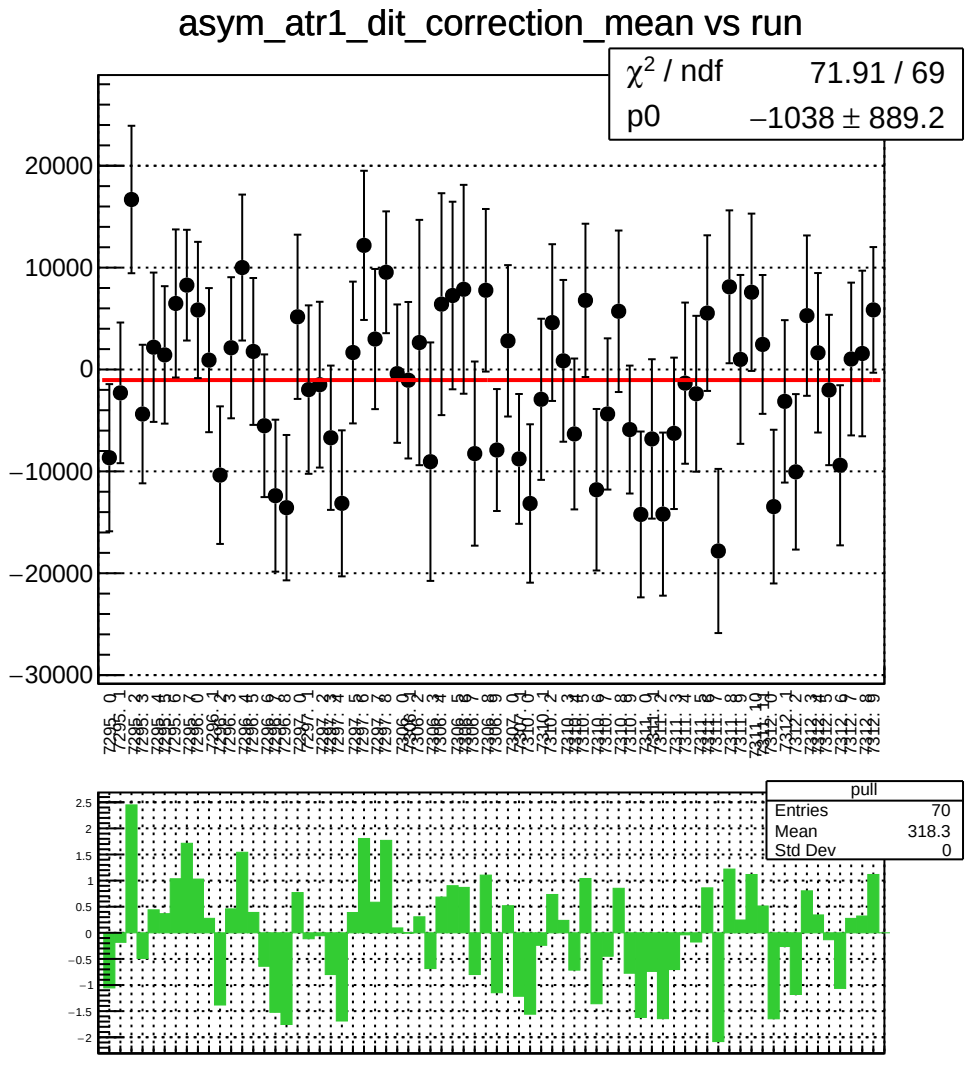

pull1D
Entries 70
Mean −0.01909
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

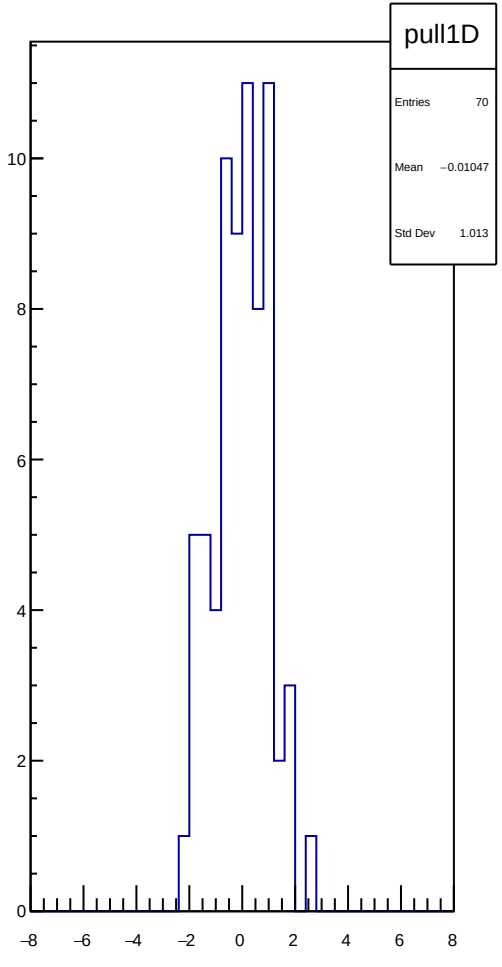

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 2.433e+04 / 69
p0 714.8 ± 0.6282
1300
1200
1100
1000
900
800
700
600
500

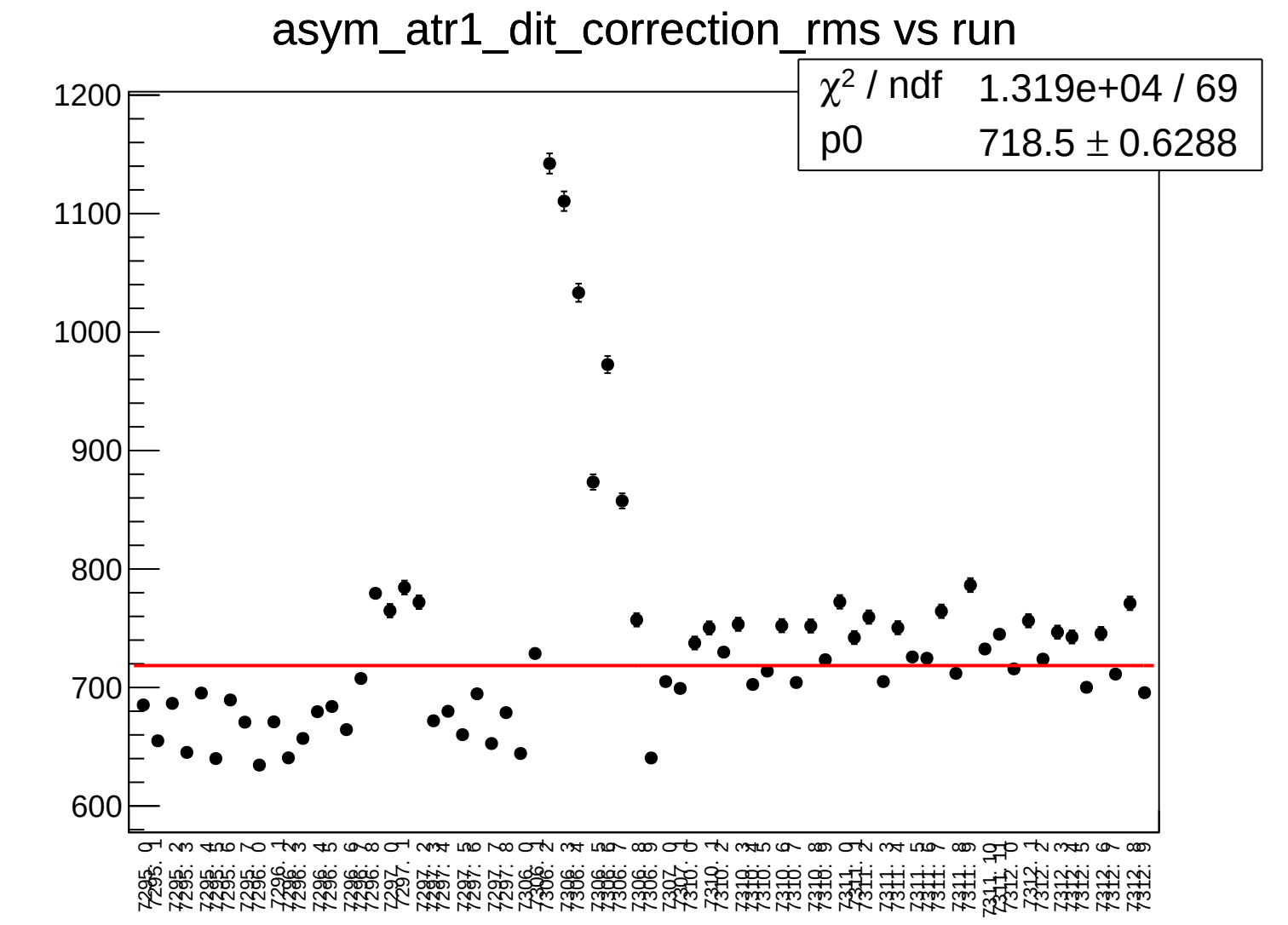

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 77.8 / 69
p0 1469 ± 3398
pull
Entries 70
Mean 170
Std Dev 0

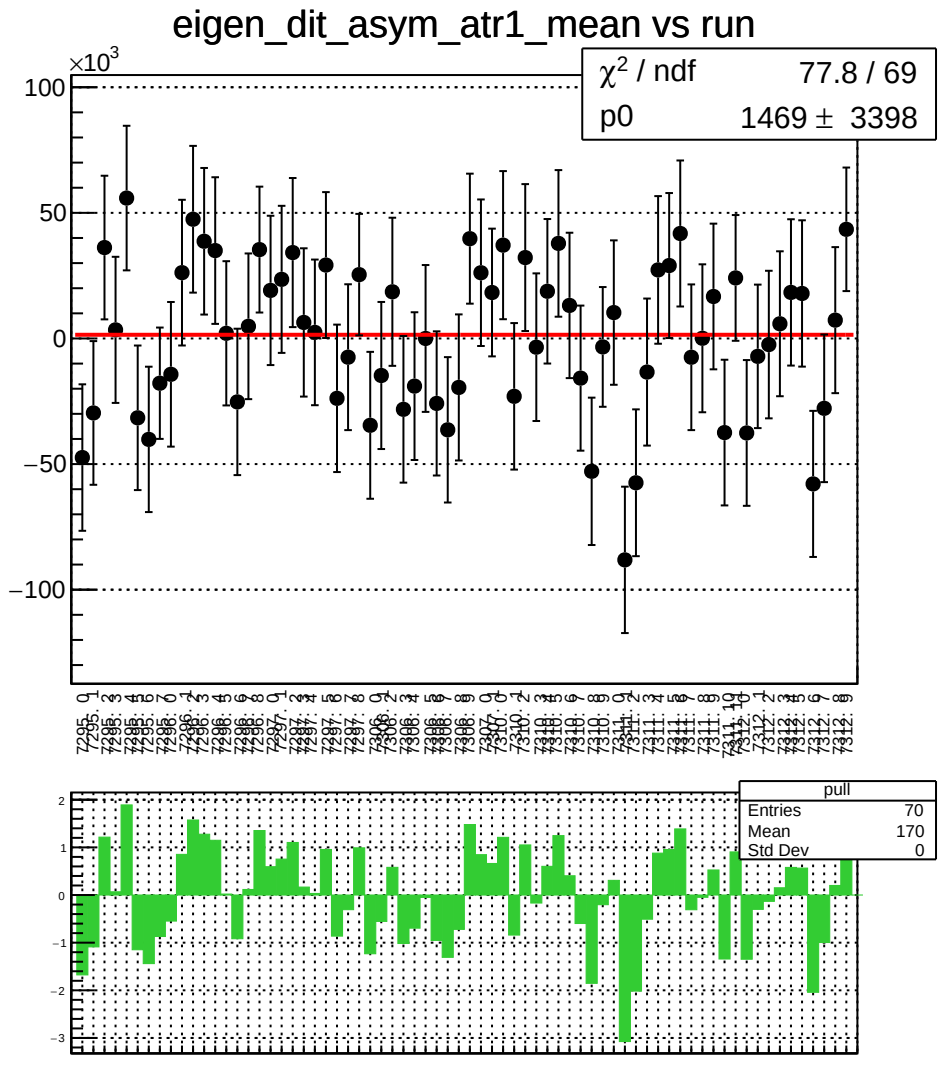

pull1D
Entries 70
Mean −0.01153
Std Dev 1.054

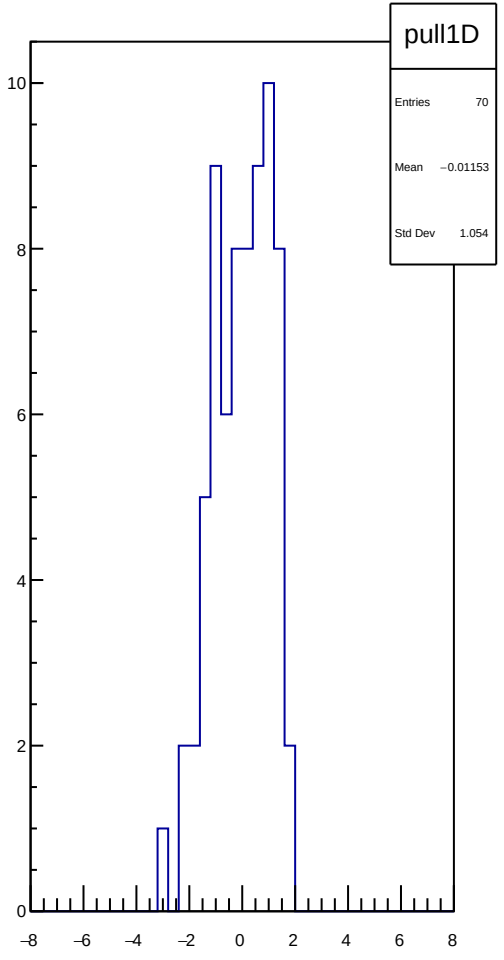

dit_asym_atr1_rms vs run
χ^2 / ndf 97.04 / 69
p0 2759 ± 2.403
2840
2820
2800
2780
2760
2740
2720
2700
2680

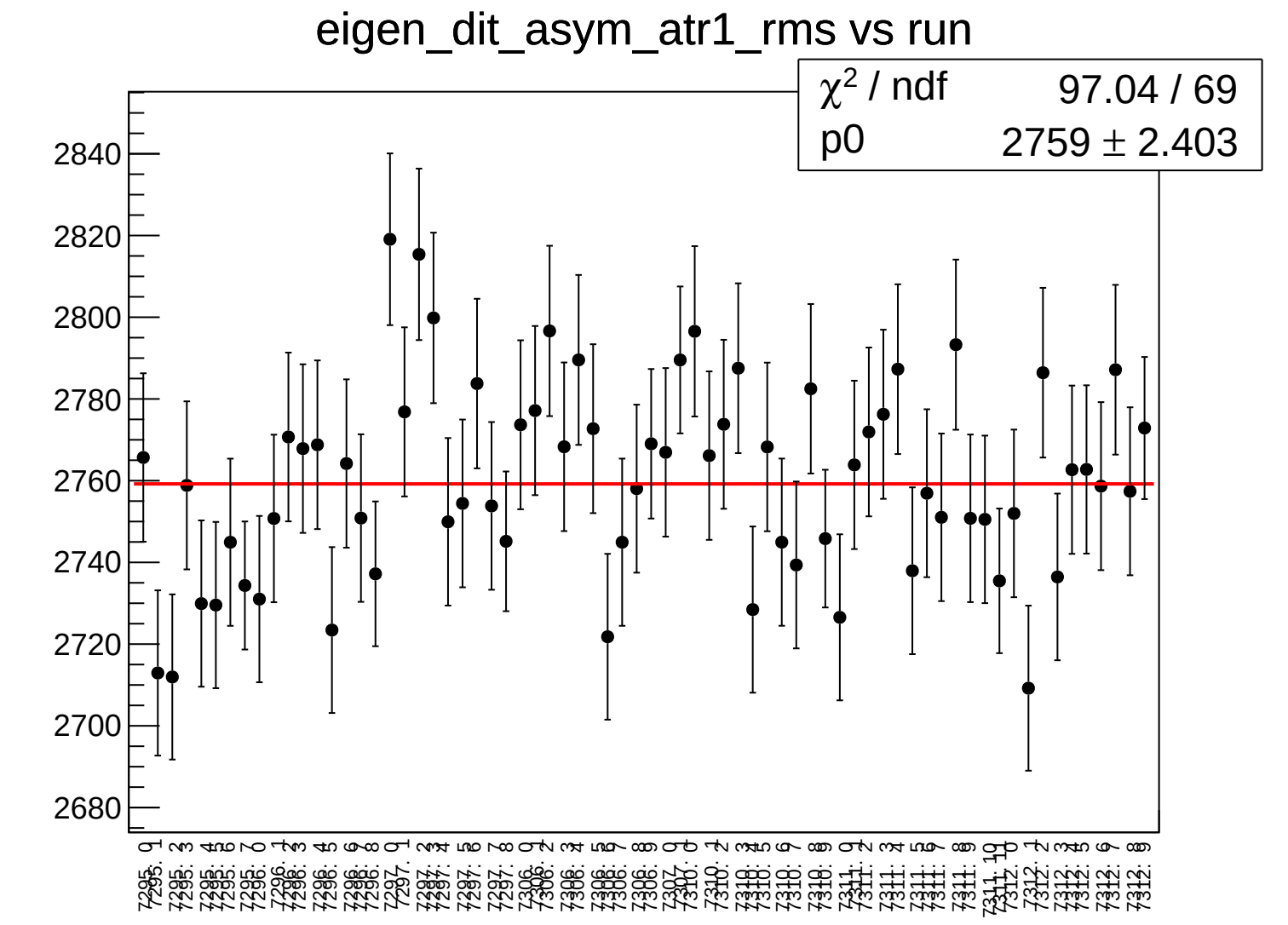

asym_atr1_dit_correction_mean vs run
χ^2 / ndf 71.91 / 69
p0 −1038 ± 889.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 318.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

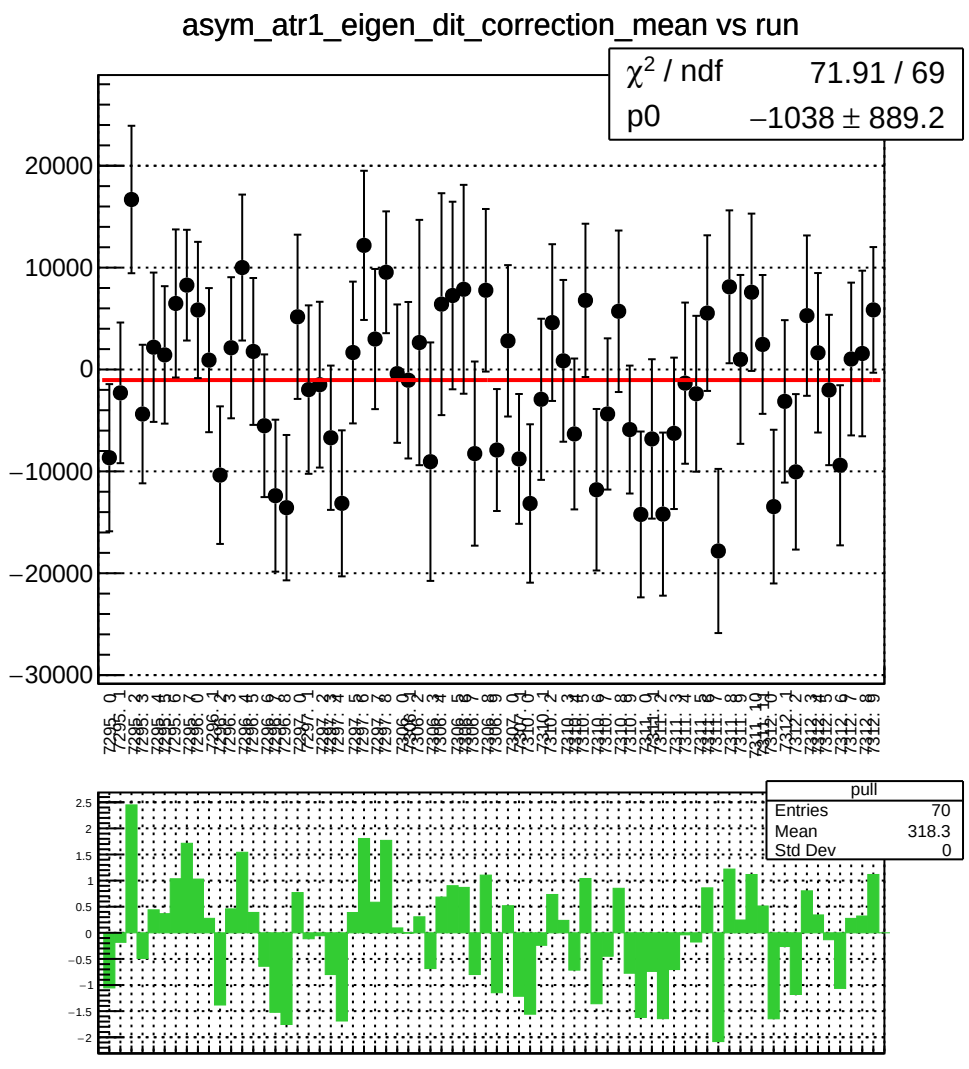

pull1D
Entries 70
Mean −0.01047
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

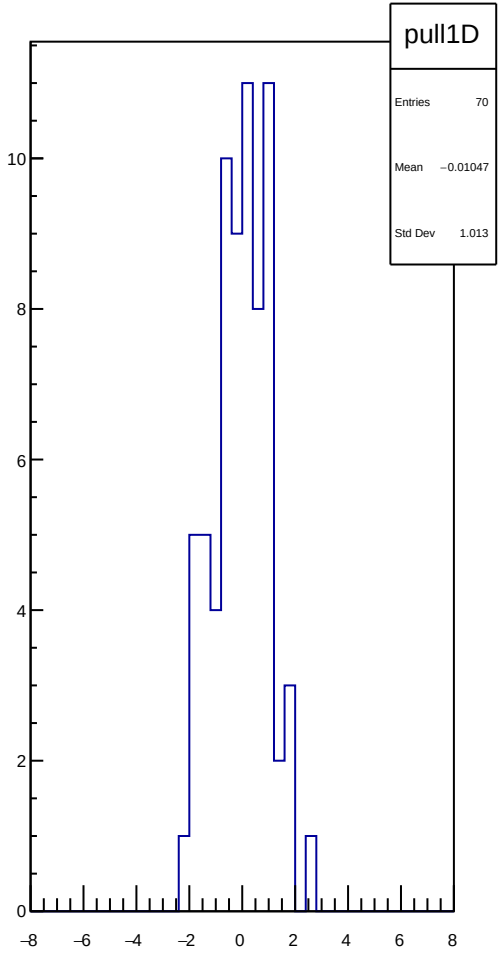

asym_atr1_dit_correction_rms vs run
χ² / ndf 1.319e+04 / 69
p0 718.5 ± 0.6288
1200
1100
1000
900
800
700
600

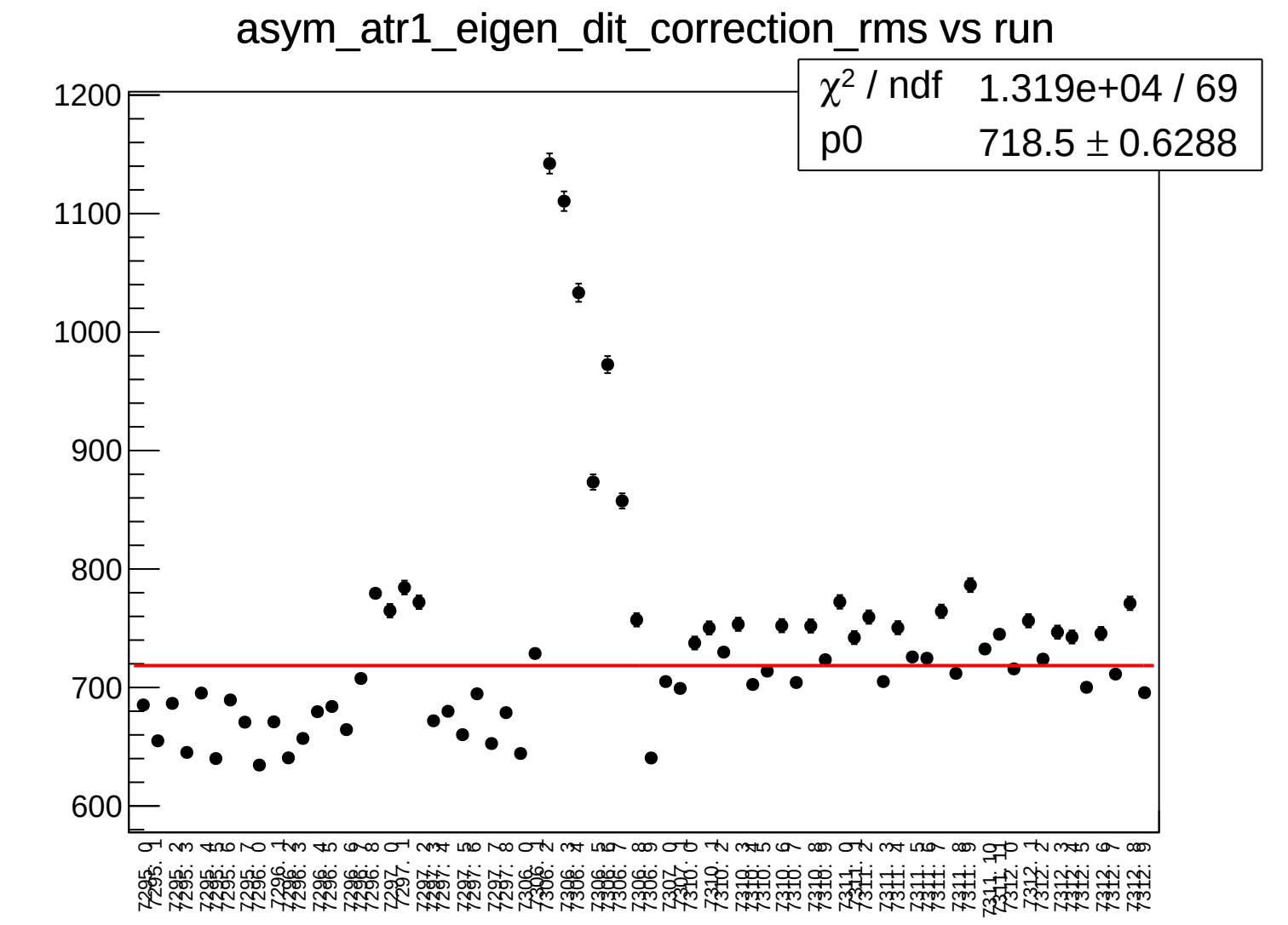

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 77.8 / 69
p0 1469 ± 3398
pull
Entries 70
Mean 170
Std Dev 0

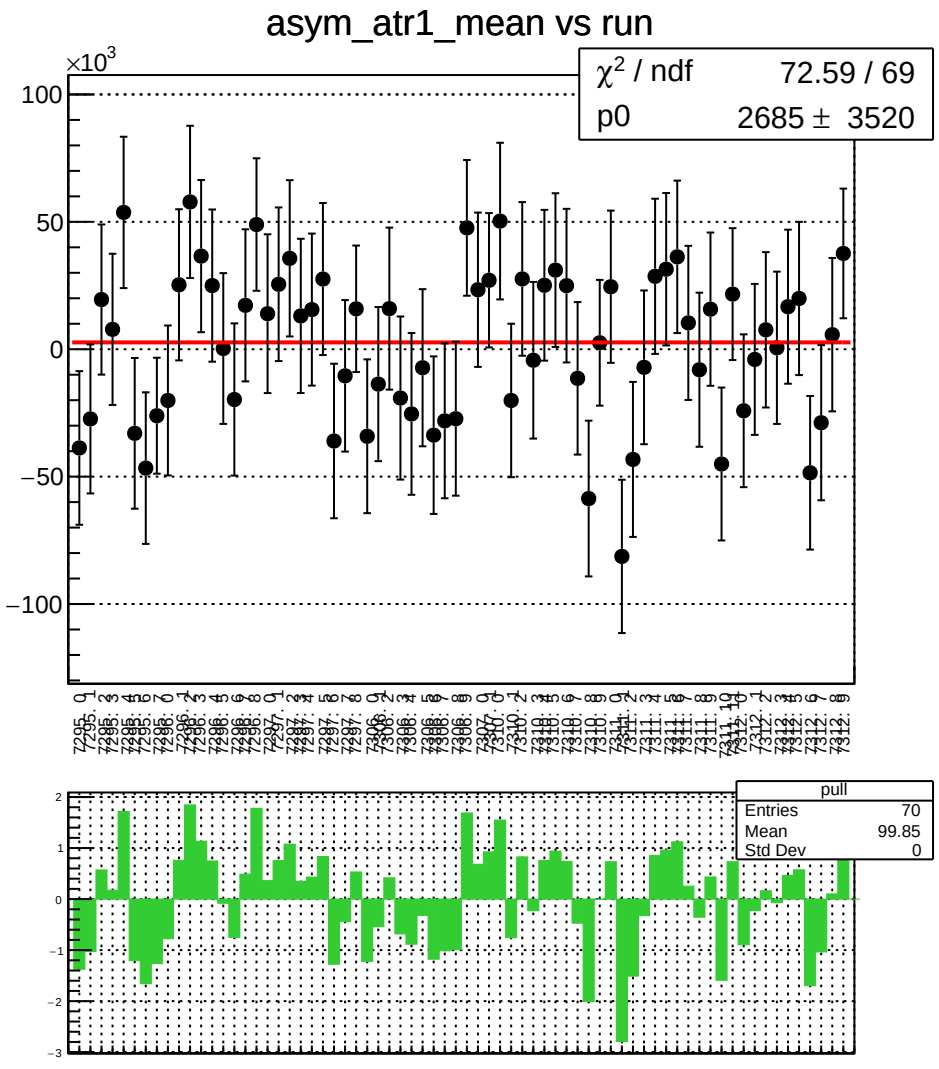

pull1D
Entries 70
Mean −0.01153
Std Dev 1.054

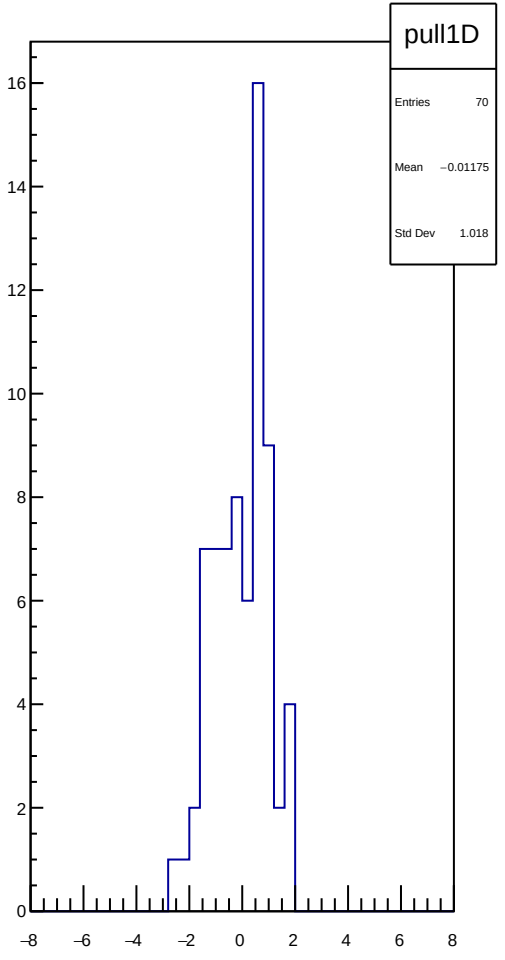

eigen_dit_asym_atr1_rms vs run
χ^2 / ndf 97.04 / 69
p0 2759 ± 2.403
2840
2820
2800
2780
2760
2740
2720
2700
2680

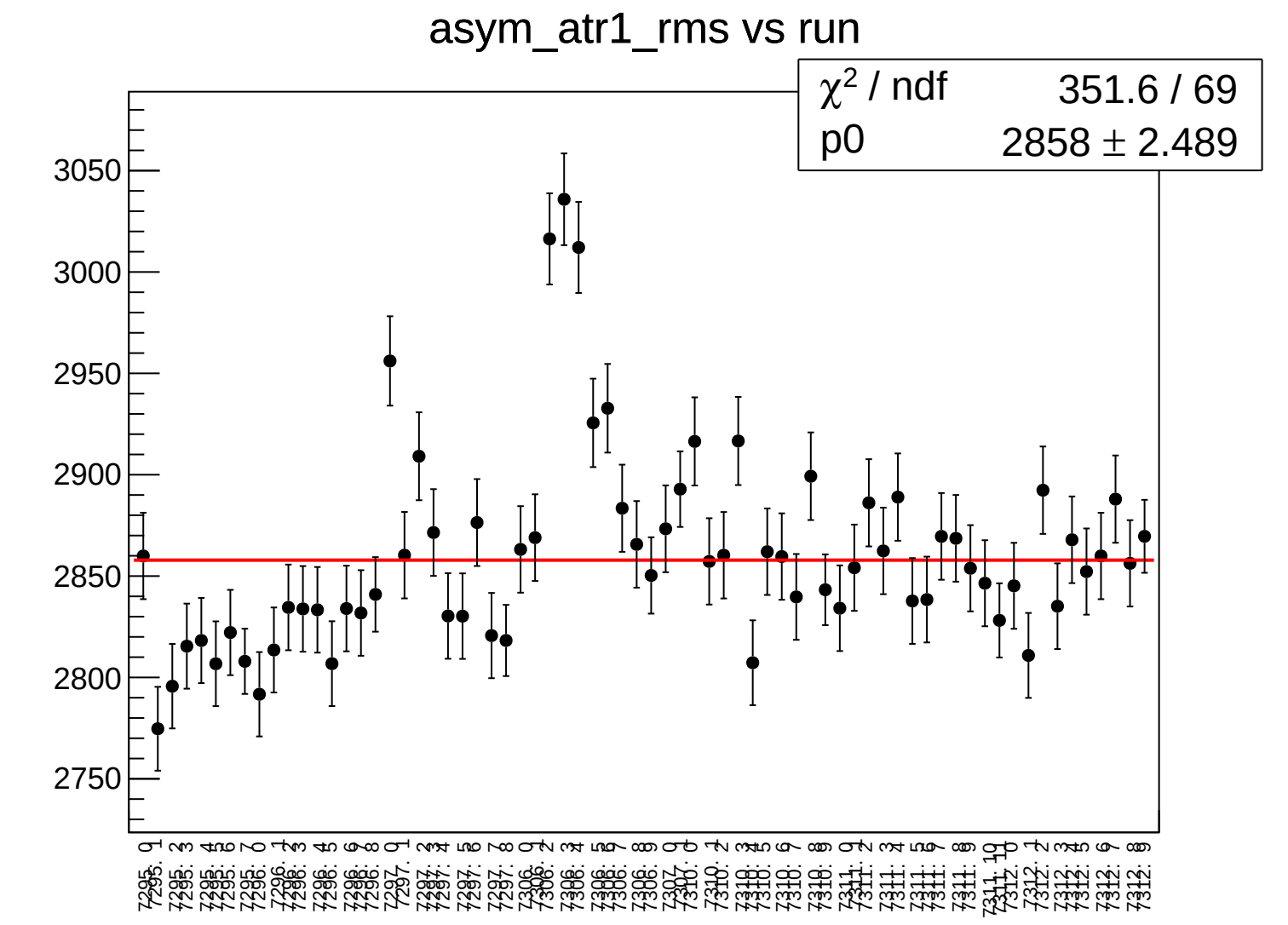

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 71.91 / 69
p0 −1038 ± 889.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 318.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

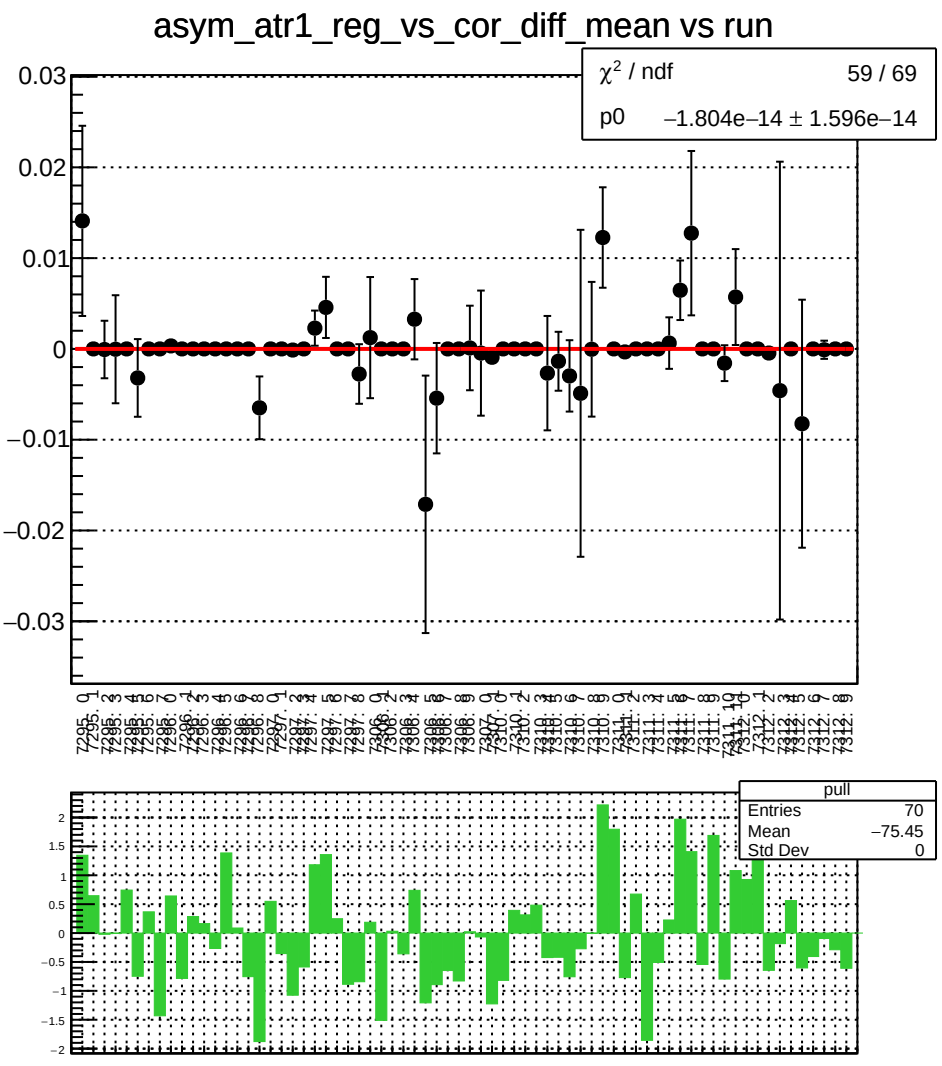

pull1D
Entries 70
Mean −0.01047
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

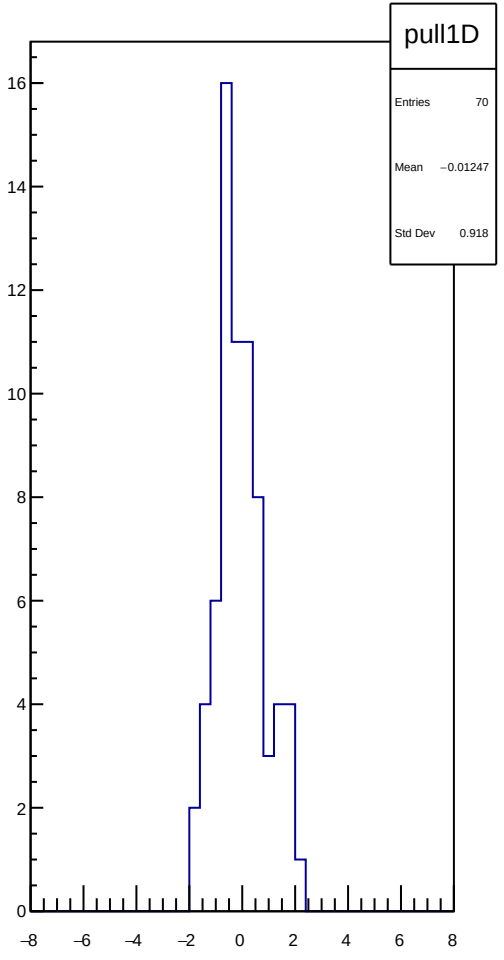

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1.319e+04 / 69
p0 718.5 ± 0.6288
1200
1100
1000
900
800
700
600

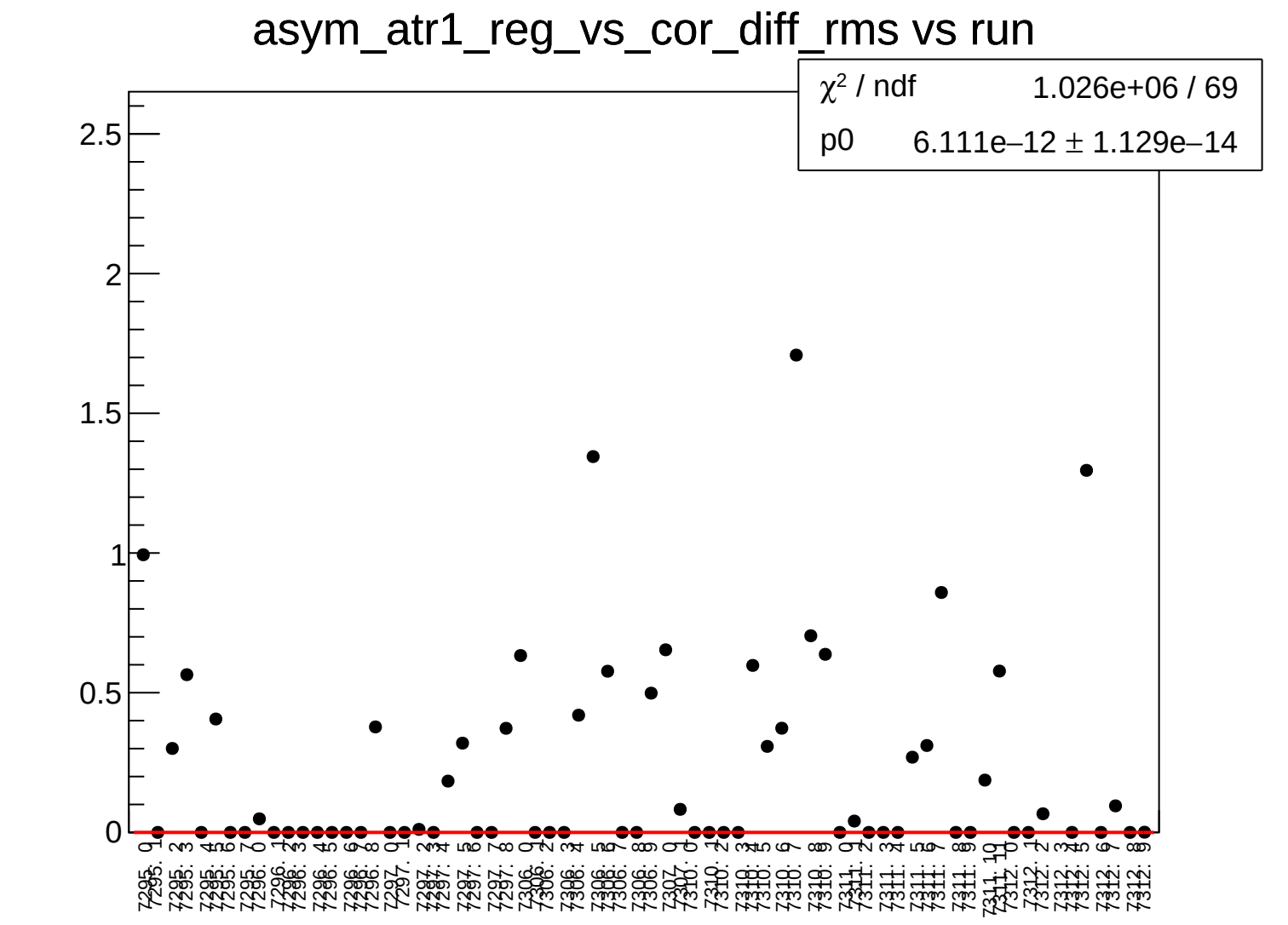

asym_atr1_mean vs run
×10^3
χ² / ndf 72.59 / 69
p0 2685 ± 3520
pull
Entries 70
Mean 99.85
Std Dev 0

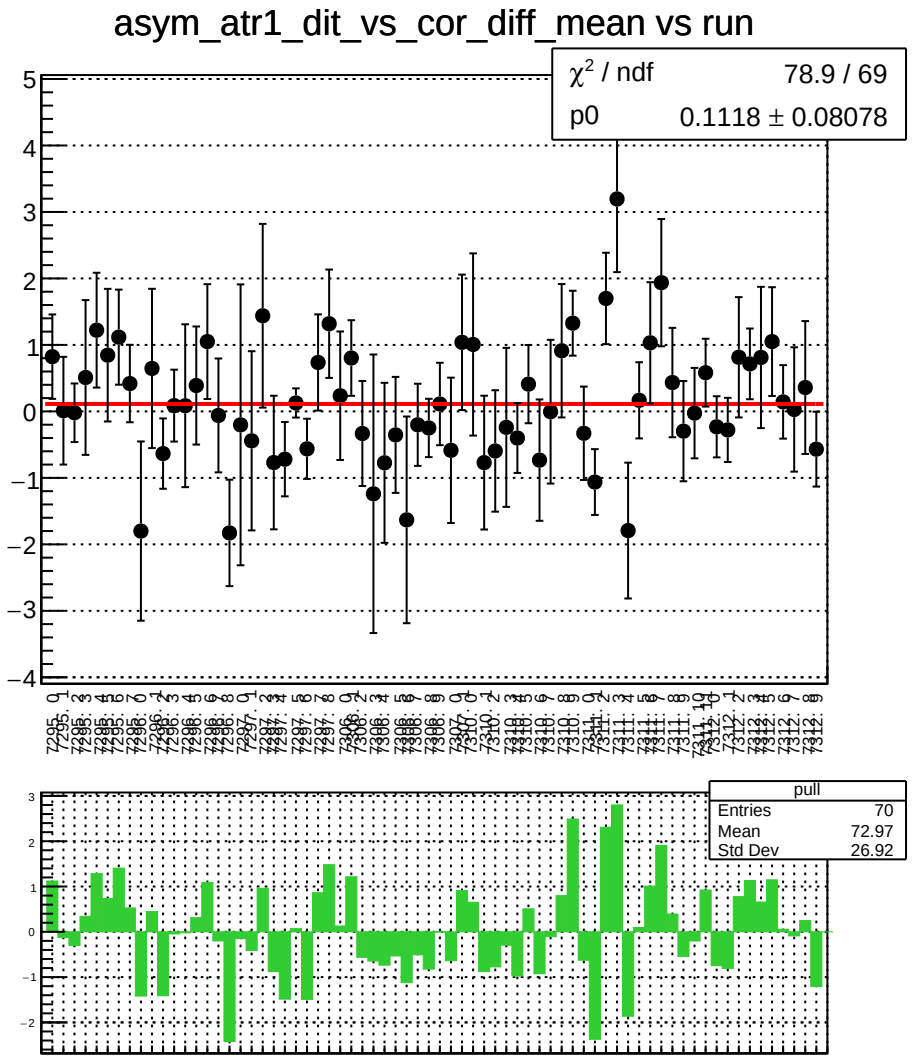

pull1D
Entries 70
Mean −0.01175
Std Dev 1.018

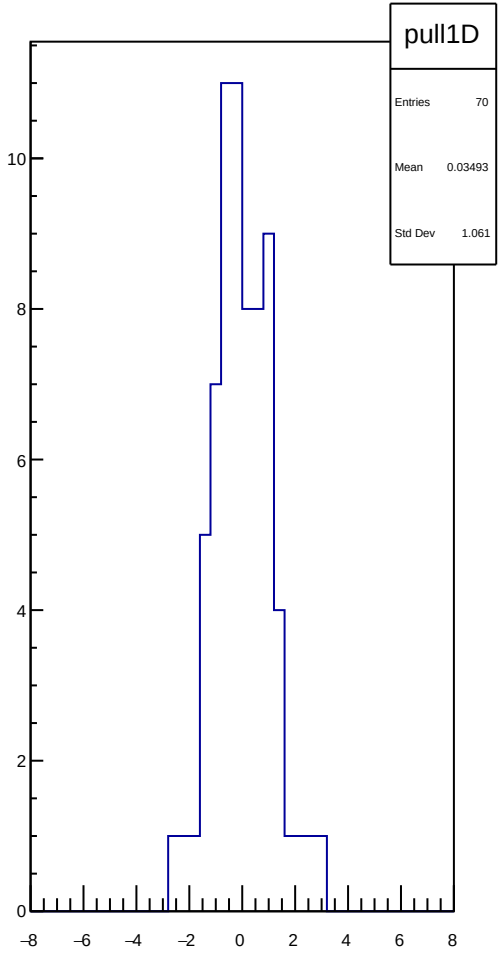

asym_atr1_rms vs run
χ^2 / ndf 351.6 / 69
p0 2858 ± 2.489
3050
3000
2950
2900
2850
2800
2750

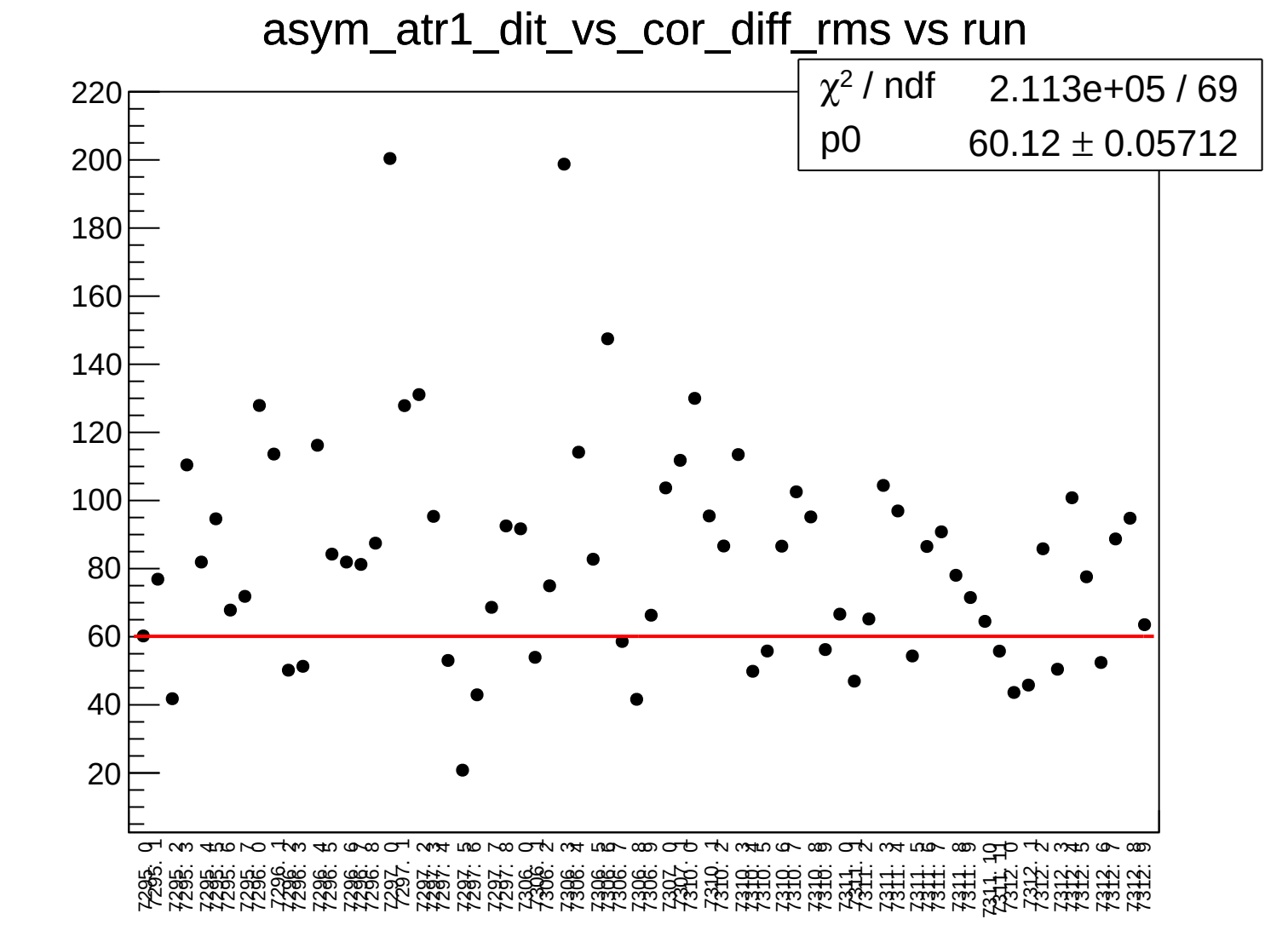

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 59 / 69
p0 −1.804e−14 ± 1.596e−14
pull
Entries 70
Mean −75.45
Std Dev 0

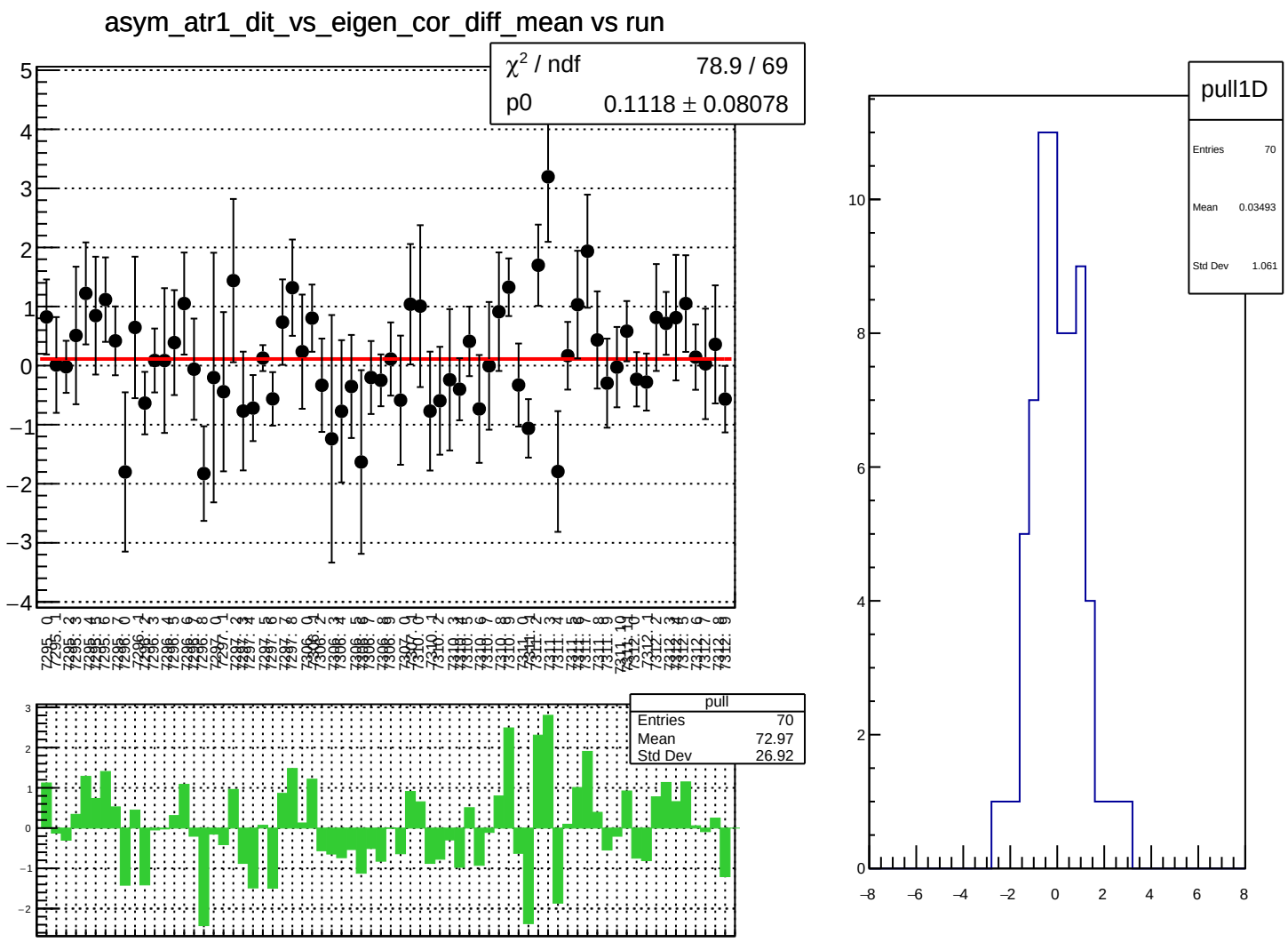

pull1D
Entries 70
Mean −0.01247
Std Dev 0.918

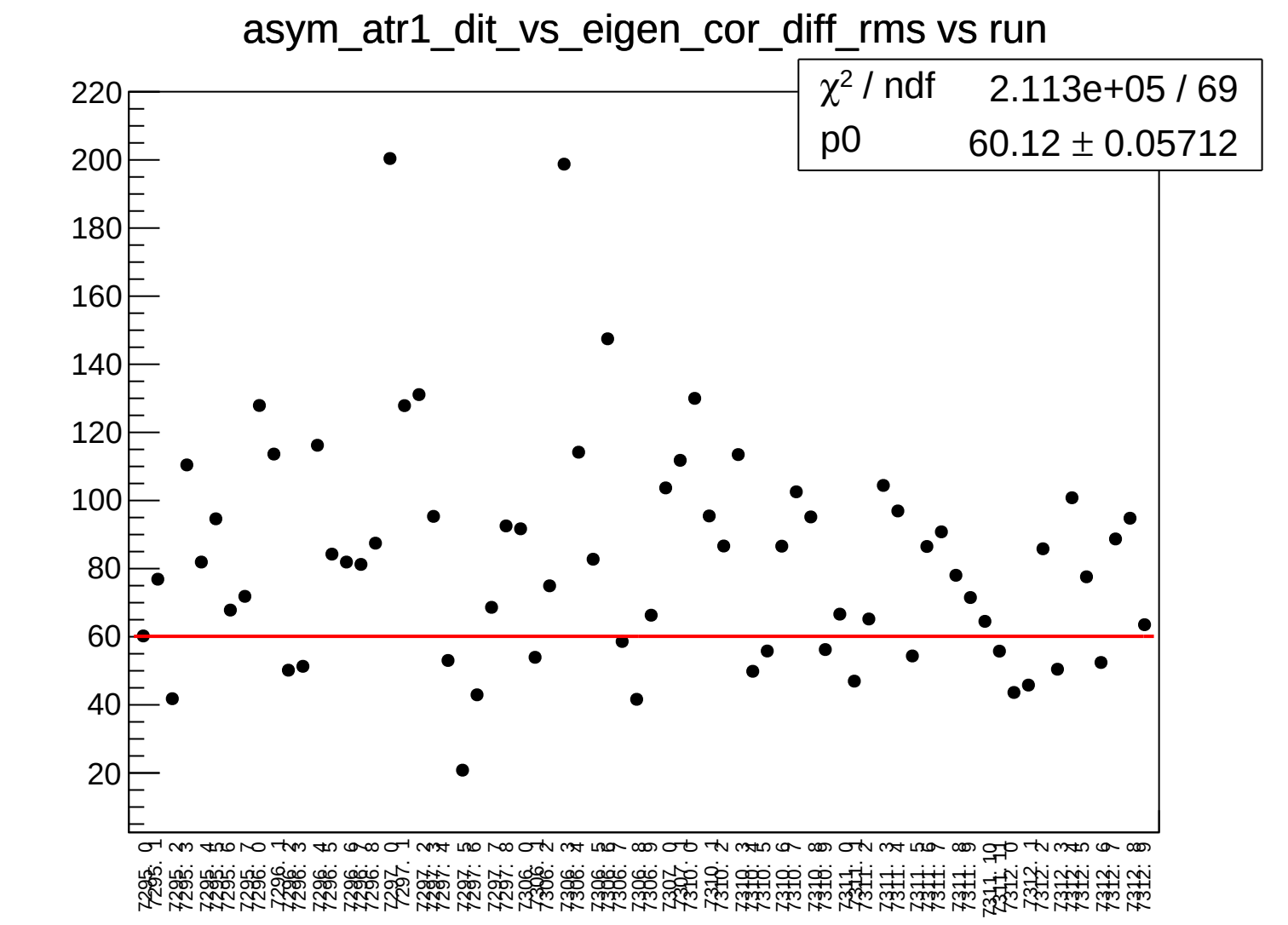

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.026e+06 / 69
p0 6.111e−12 ± 1.129e−14
2.5
2
1.5
1
0.5
0

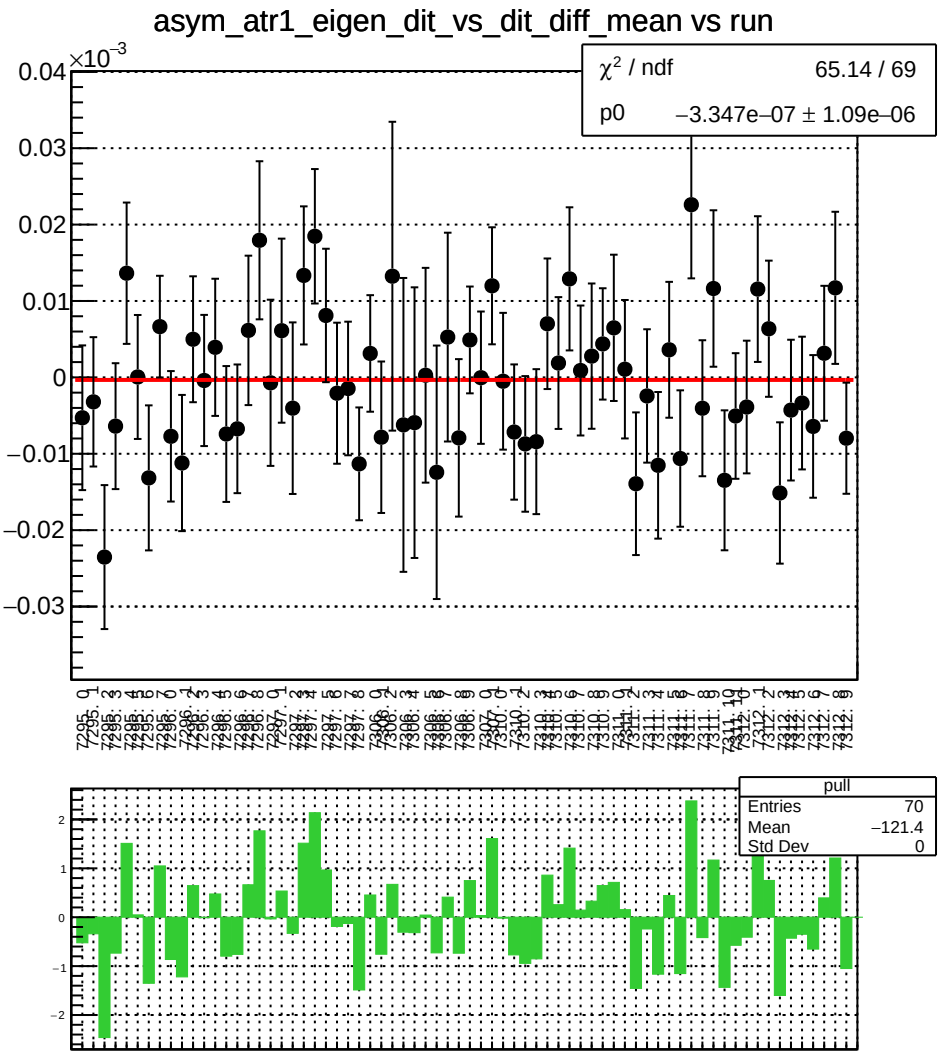

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 78.9 / 69
p0 0.1118 ± 0.08078
pull
Entries 70
Mean 72.97
Std Dev 26.92

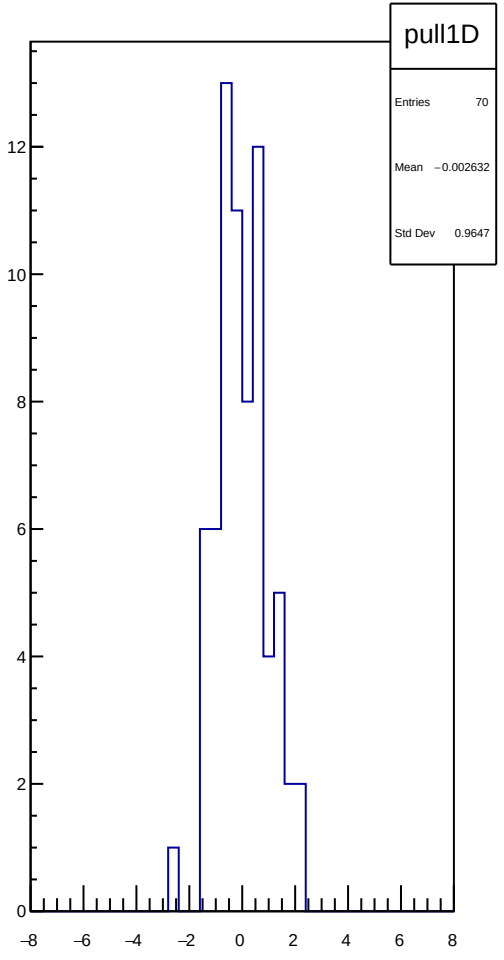

pull1D
Entries 70
Mean 0.03493
Std Dev 1.061

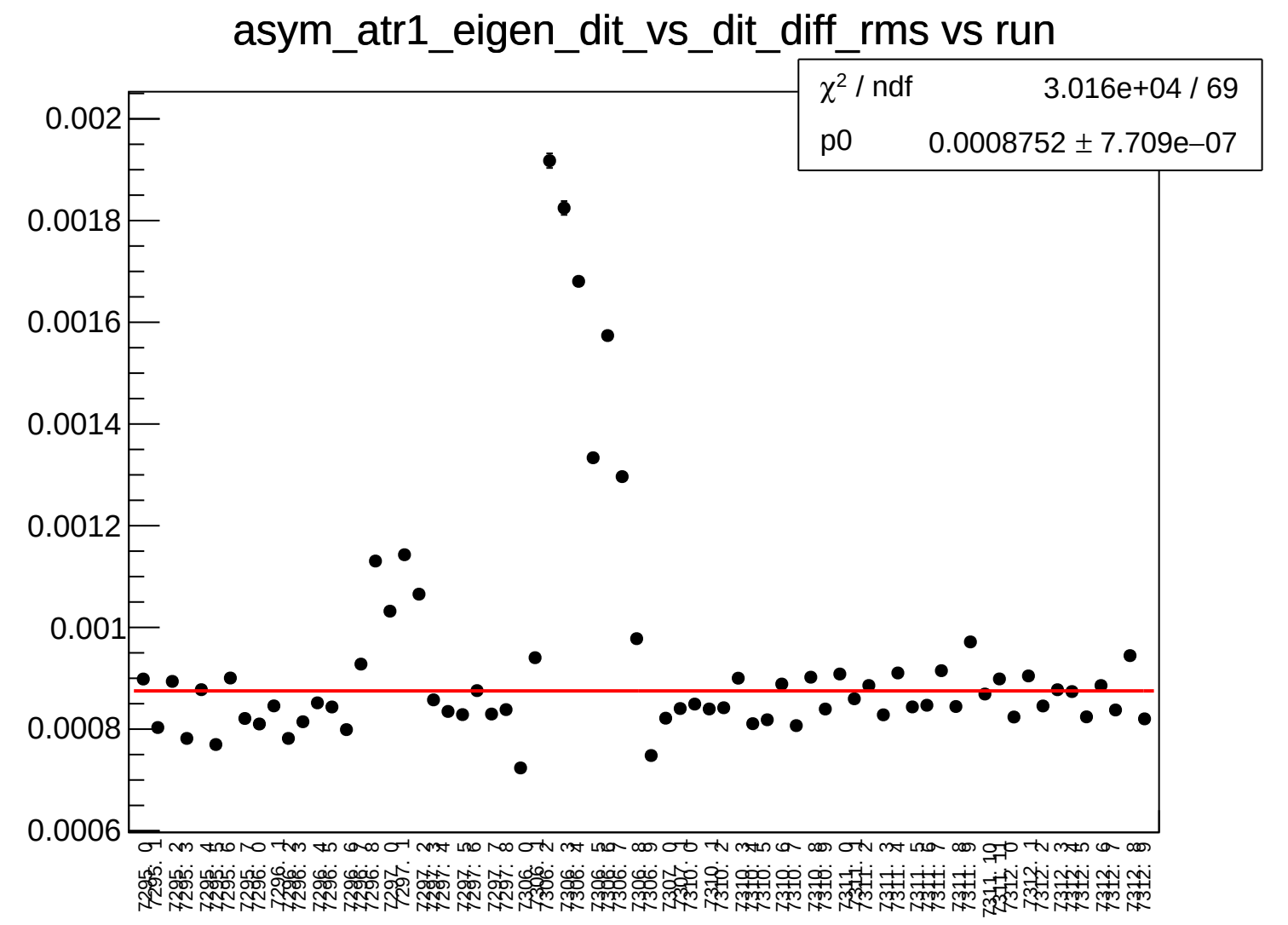

asym_atr1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.113e+05 / 69
p0 60.12 ± 0.05712
220
200
180
160
140
120
100
80
60
40
20

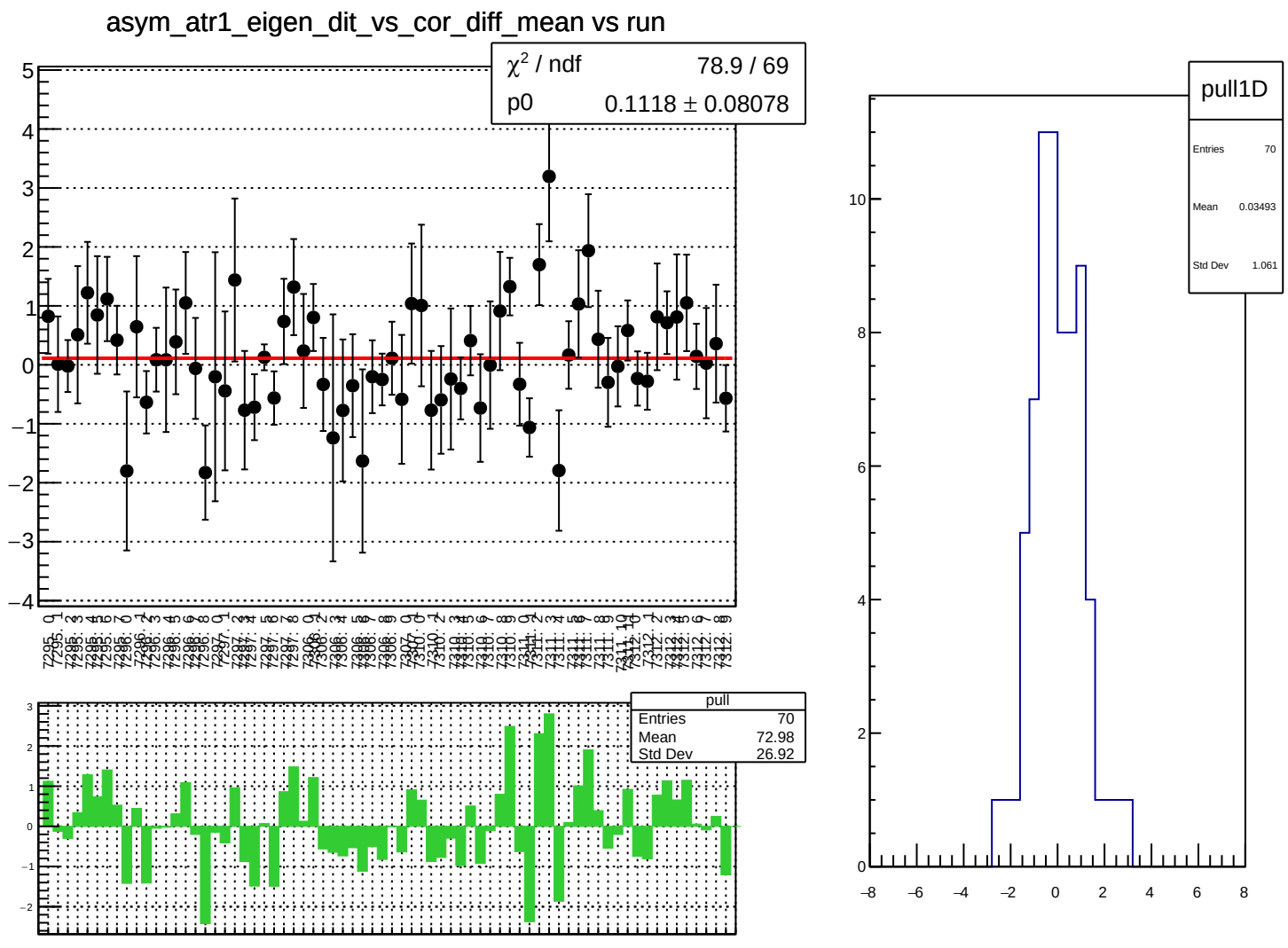

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.9 / 69
p0 0.1118 ± 0.08078
pull
Entries 70
Mean 72.97
Std Dev 26.92
pull1D
Entries 70
Mean 0.03493
Std Dev 1.061

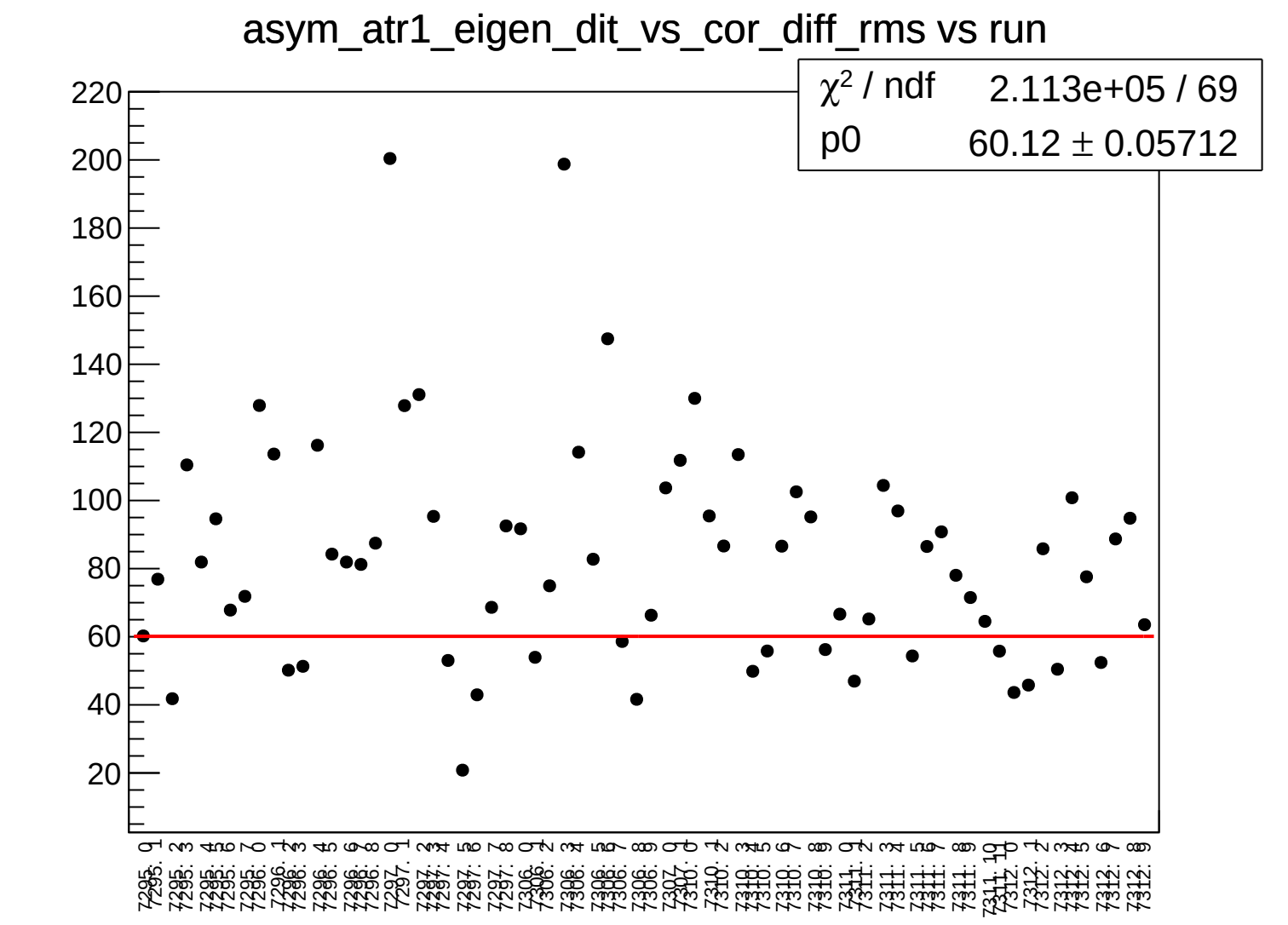

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.113e+05 / 69
p0 60.12 ± 0.05712
220
200
180
160
140
120
100
80
60
40
20

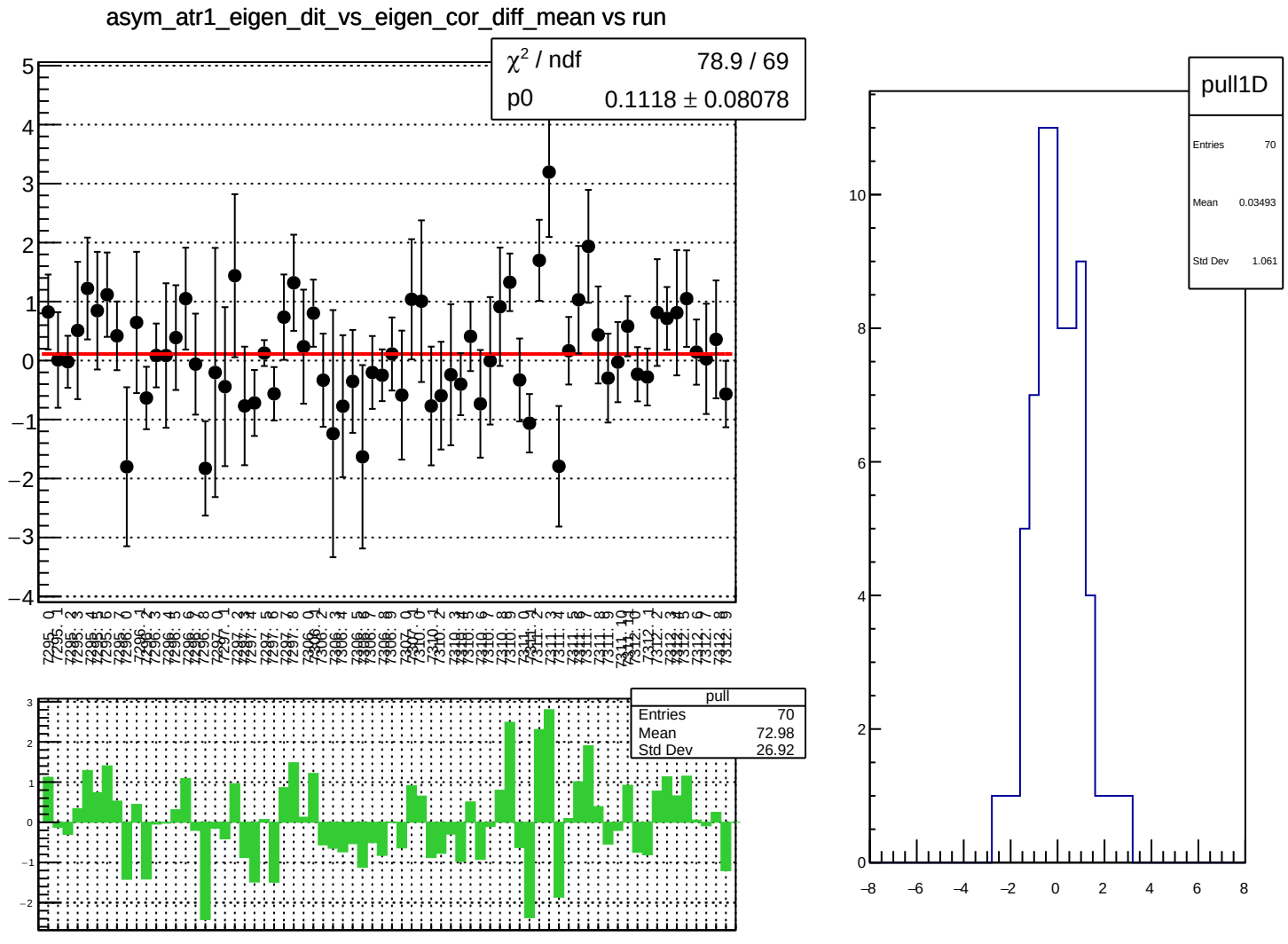

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.14 / 69
p0 −3.347e−07 ± 1.09e−06
pull
Entries 70
Mean −121.4
Std Dev 0

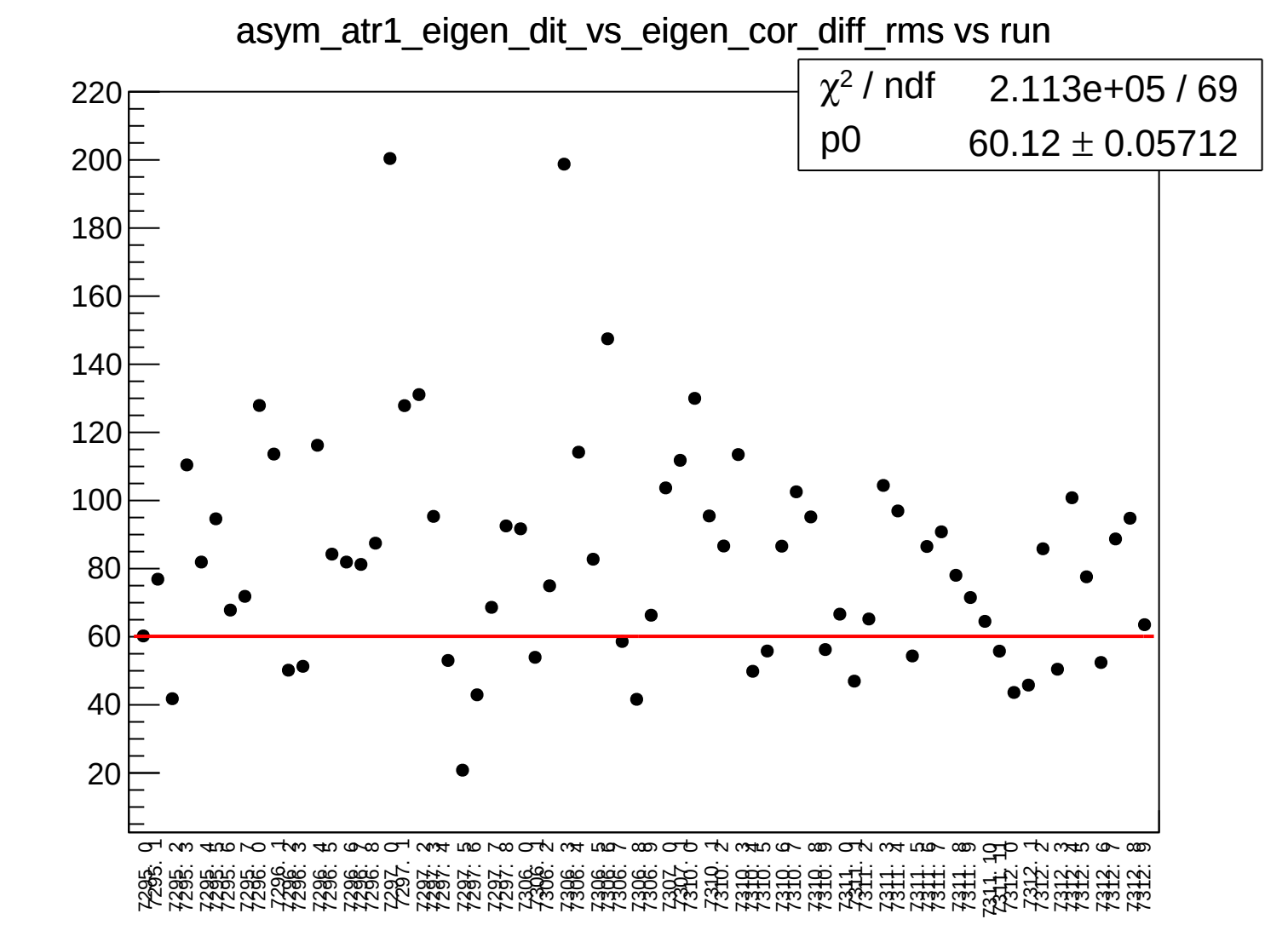

pull1D
Entries 70
Mean −0.002632
Std Dev 0.9647

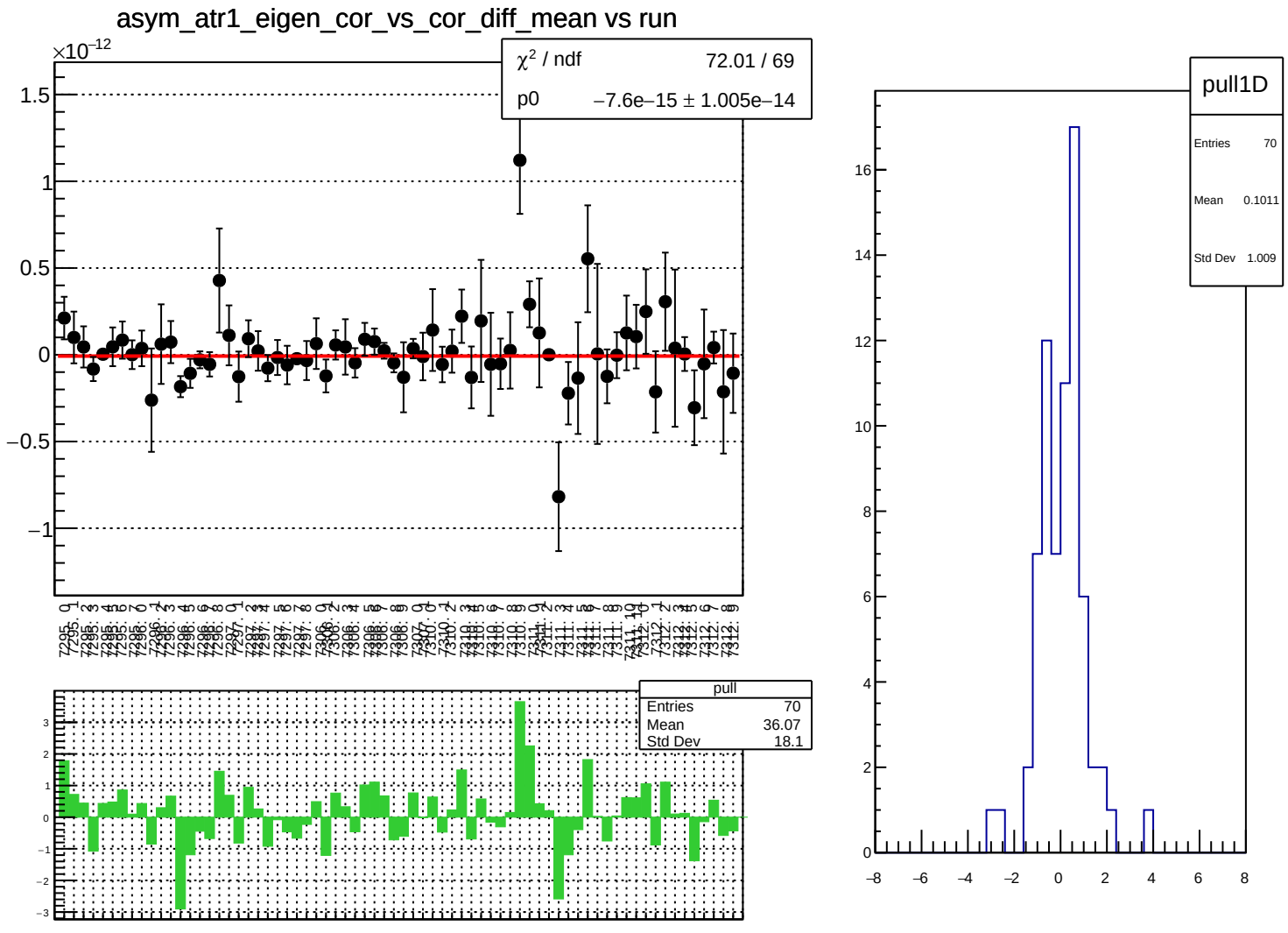

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.016e+04 / 69
p0 0.0008752 ± 7.709e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

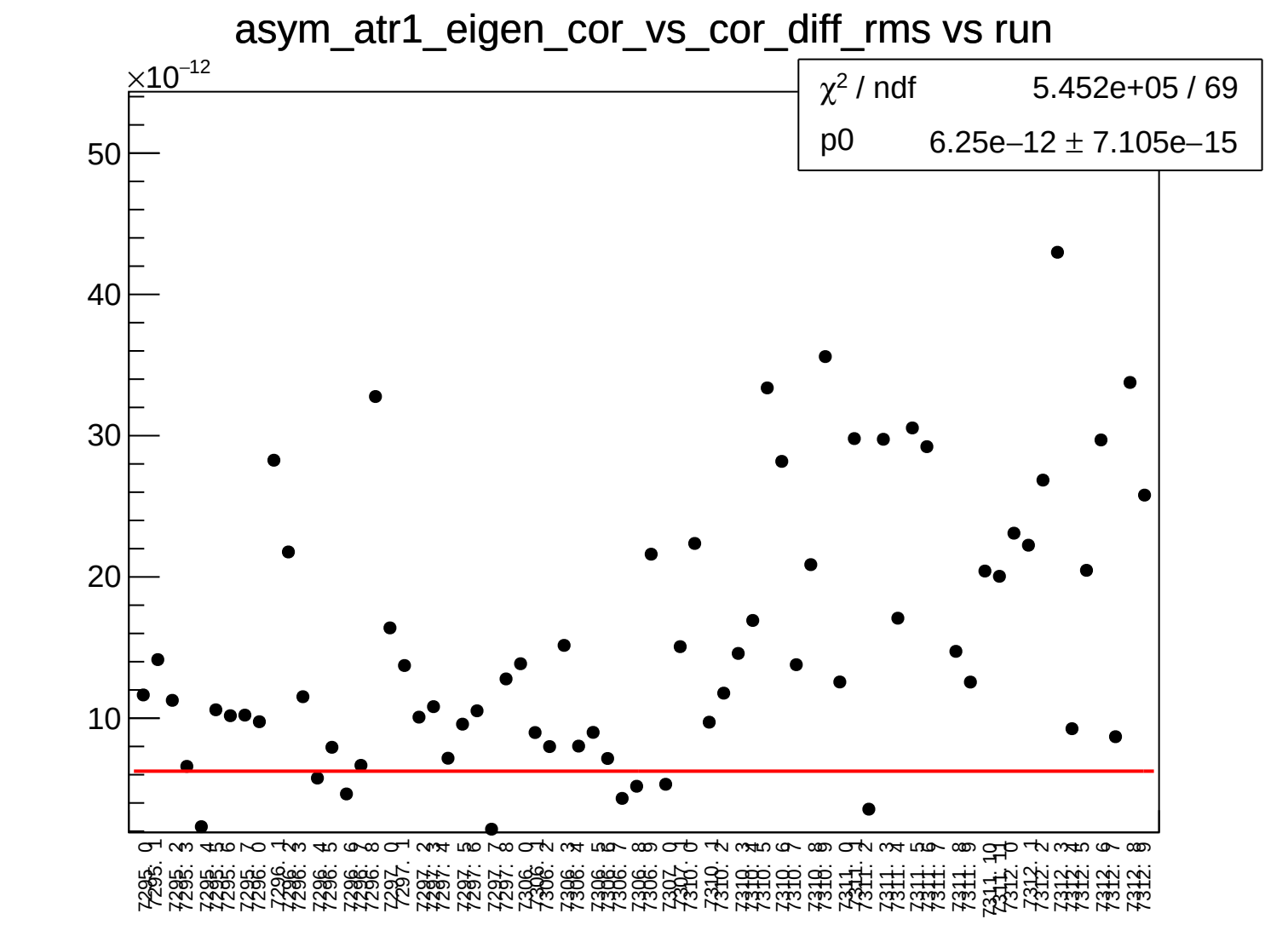

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.9 / 69
p0 0.1118 ± 0.08078
pull
Entries 70
Mean 72.98
Std Dev 26.92
pull1D
Entries 70
Mean 0.03493
Std Dev 1.061

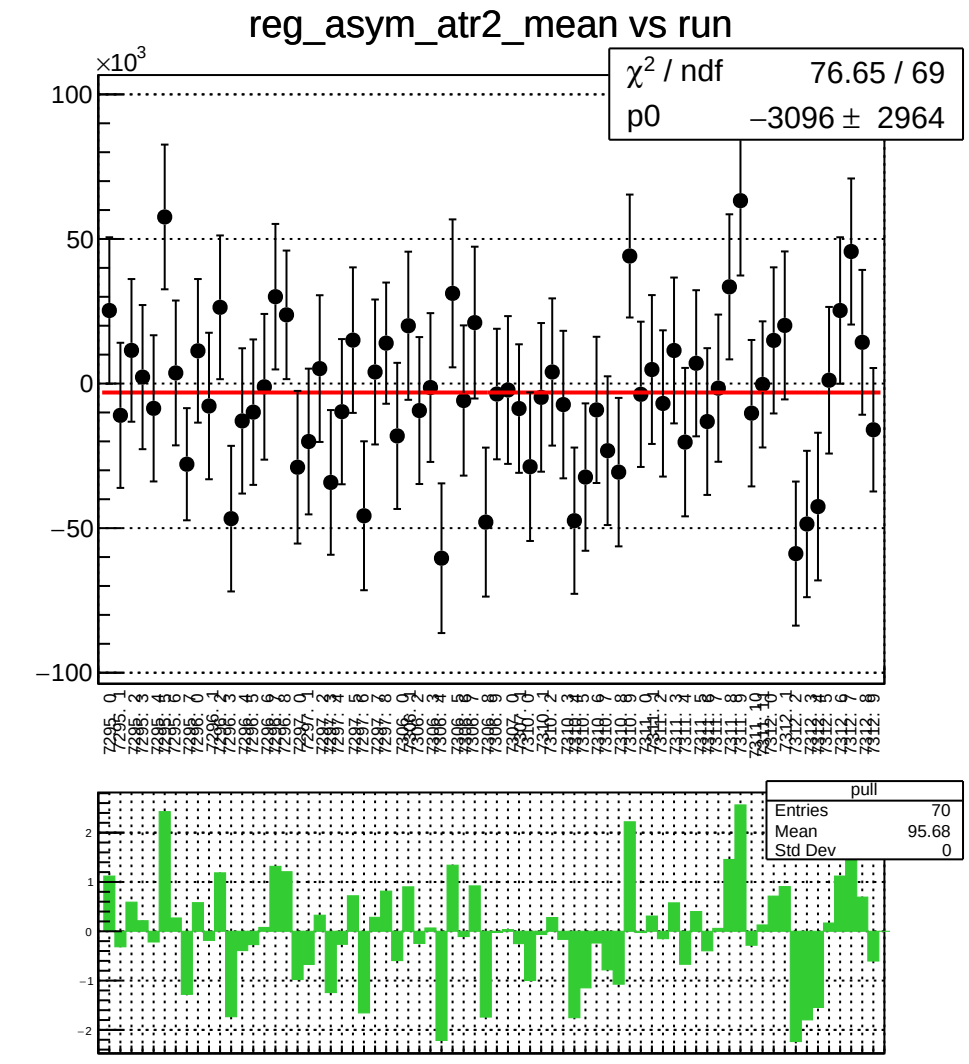

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.113e+05 / 69
p0 60.12 ± 0.05712
220
200
180
160
140
120
100
80
60
40
20

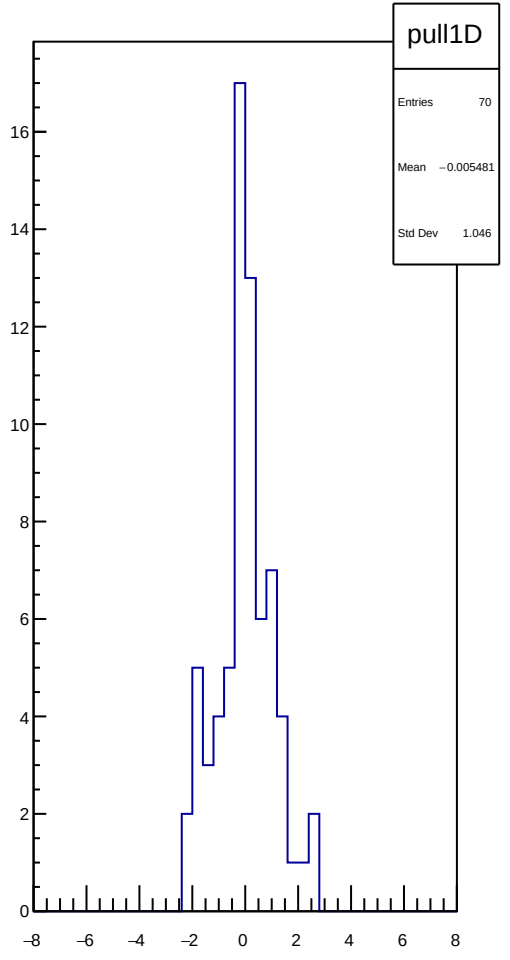

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.9 / 69
p0 0.1118 ± 0.08078
pull
Entries 70
Mean 72.98
Std Dev 26.92
pull1D
Entries 70
Mean 0.03493
Std Dev 1.061

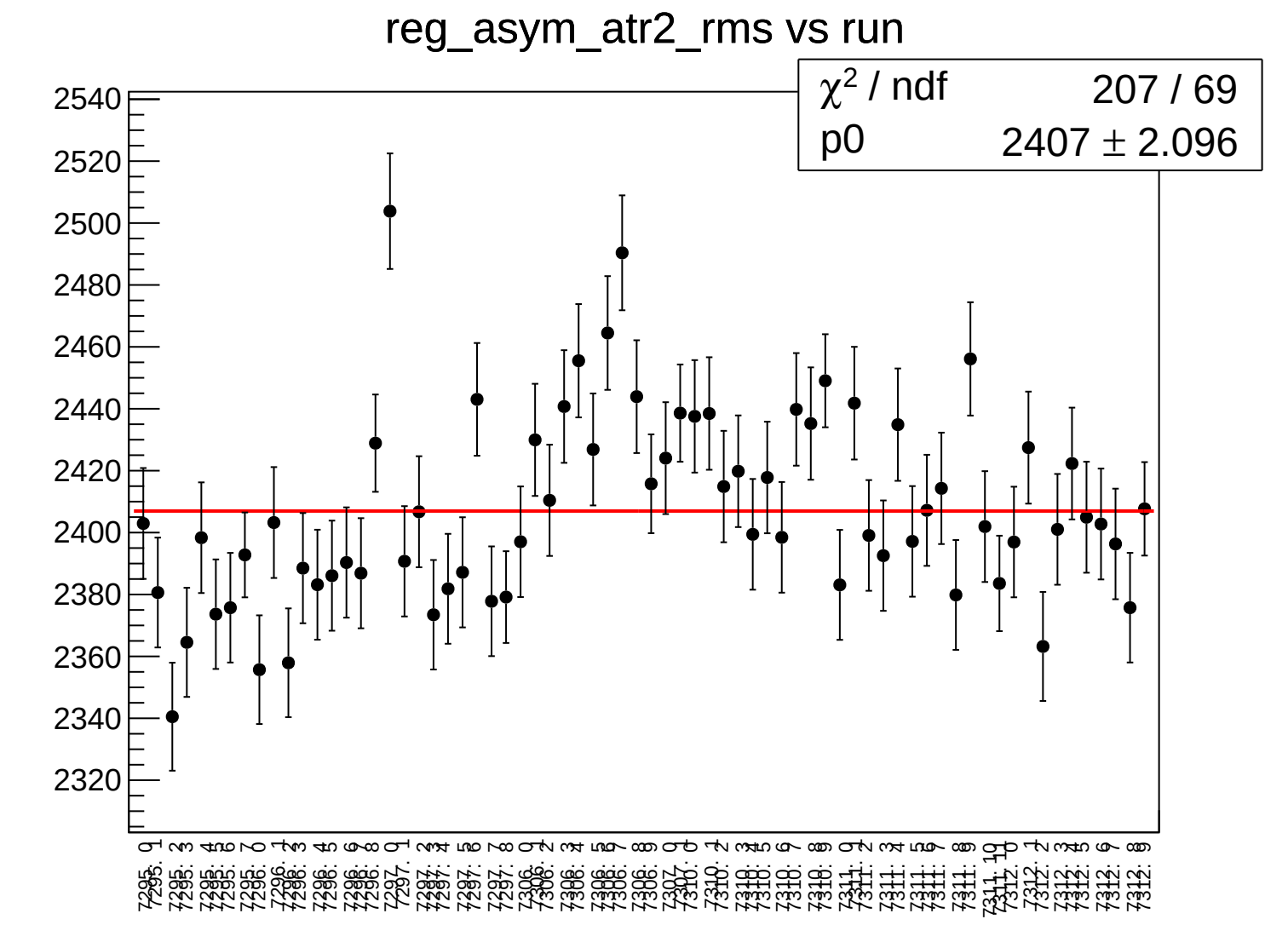

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.113e+05 / 69
p0 60.12 ± 0.05712
220
200
180
160
140
120
100
80
60
40
20

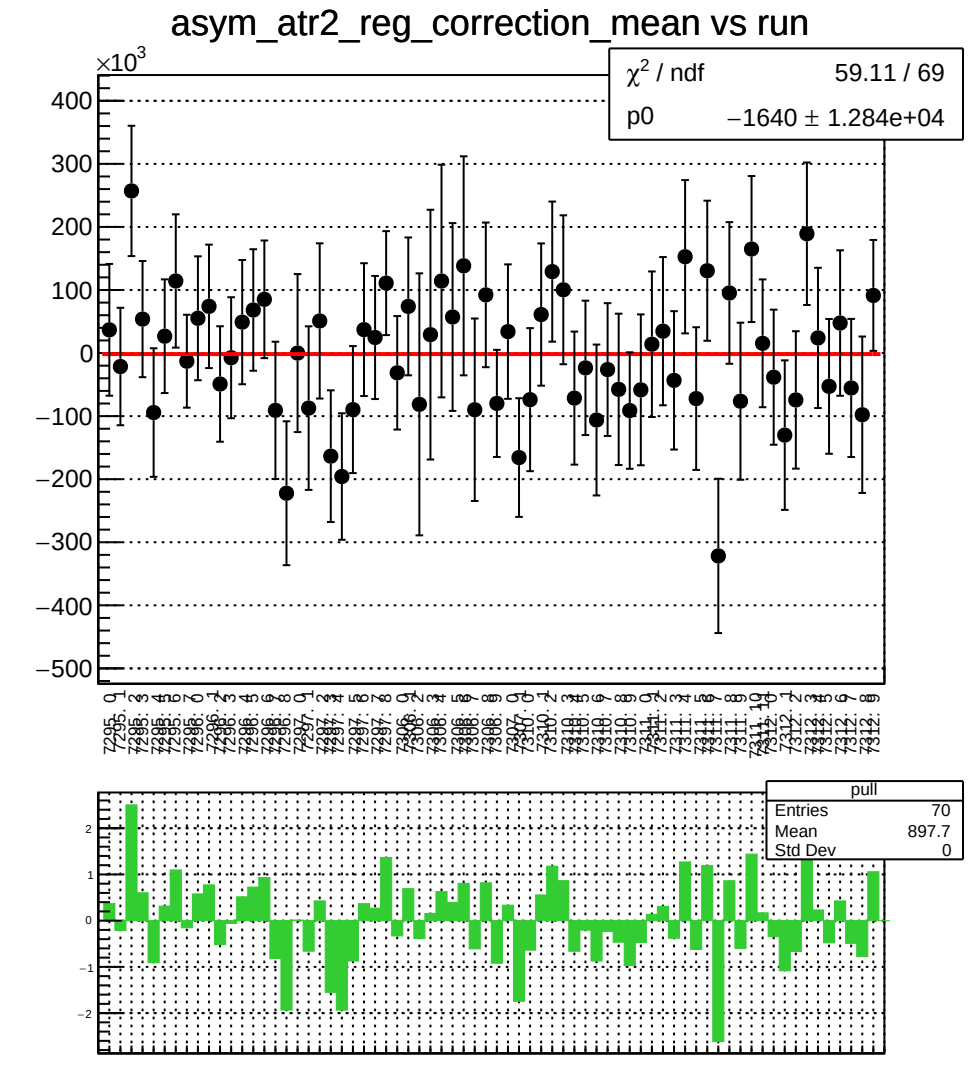

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.01 / 69
p0 −7.6e−15 ± 1.005e−14
pull
Entries 70
Mean 36.07
Std Dev 18.1
pull1D
Entries 70
Mean 0.1011
Std Dev 1.009

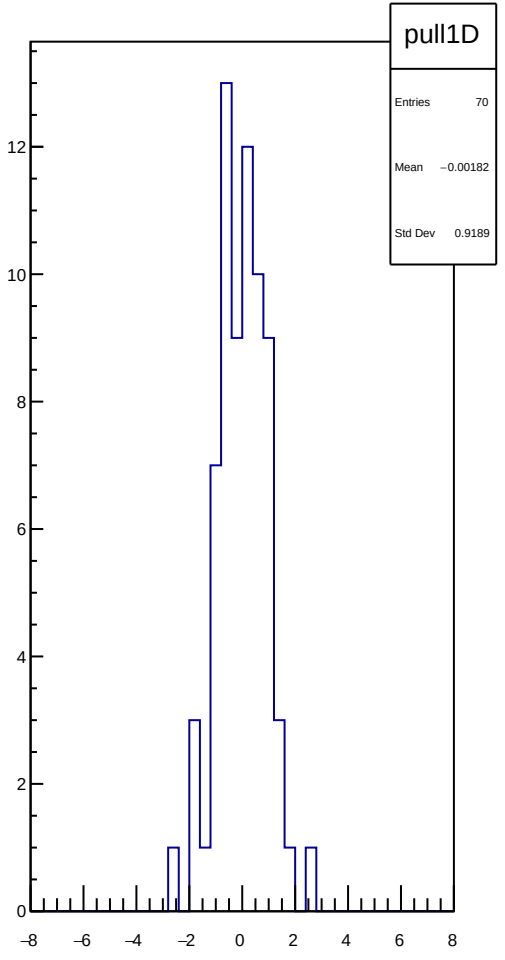

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.452e+05 / 69
p0 6.25e−12 ± 7.105e−15
50
40
30
20
10

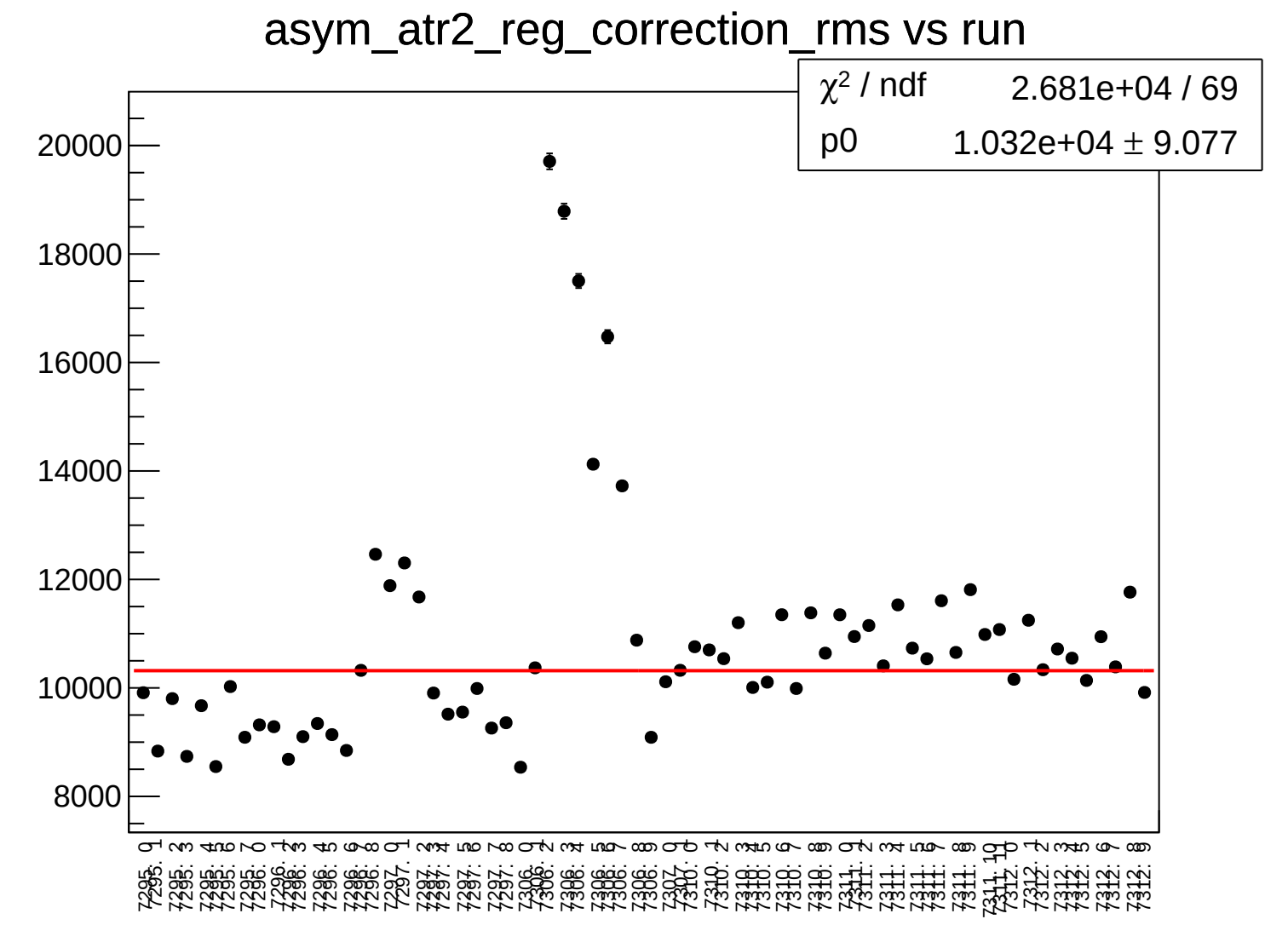

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 76.65 / 69
p0 −3096 ± 2964
100
50
0
−50
−100
pull
Entries 70
Mean 95.68
Std Dev 0
2
1
0
−1
−2

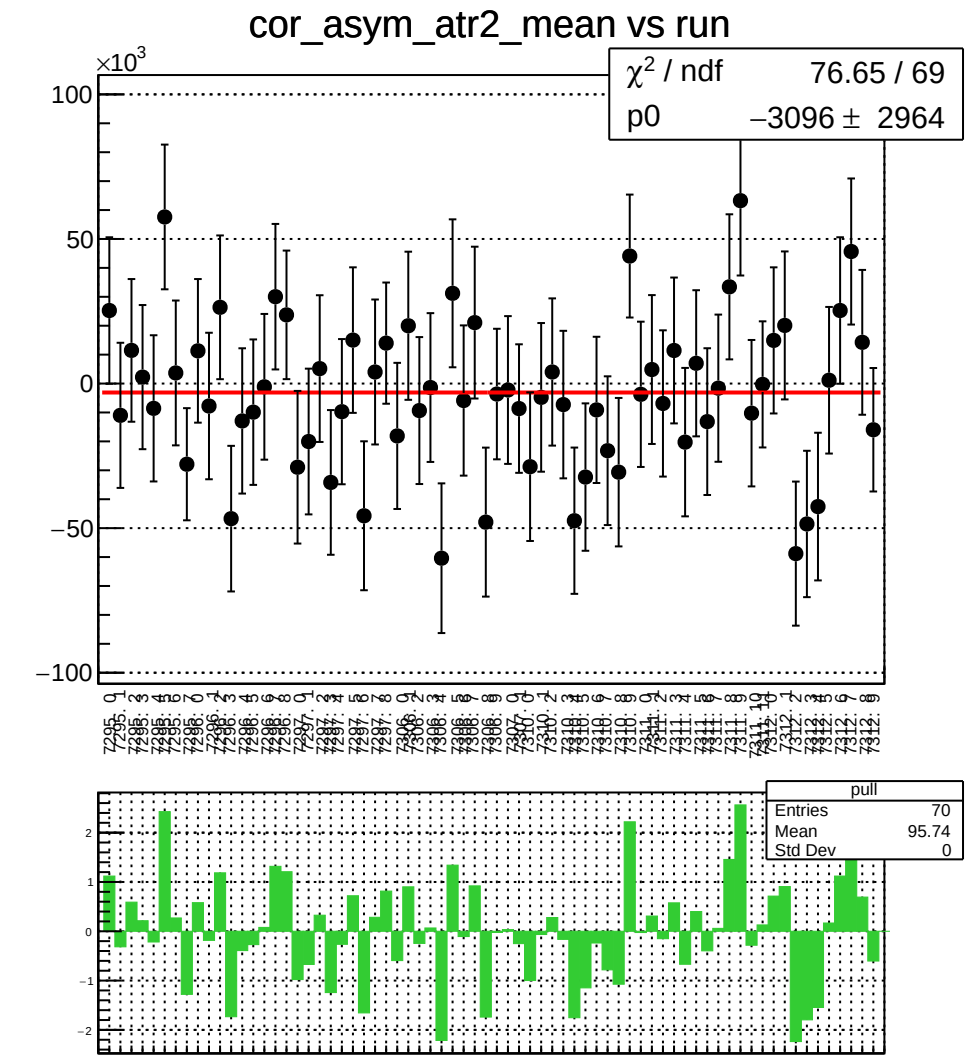

pull1D
Entries 70
Mean −0.005481
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

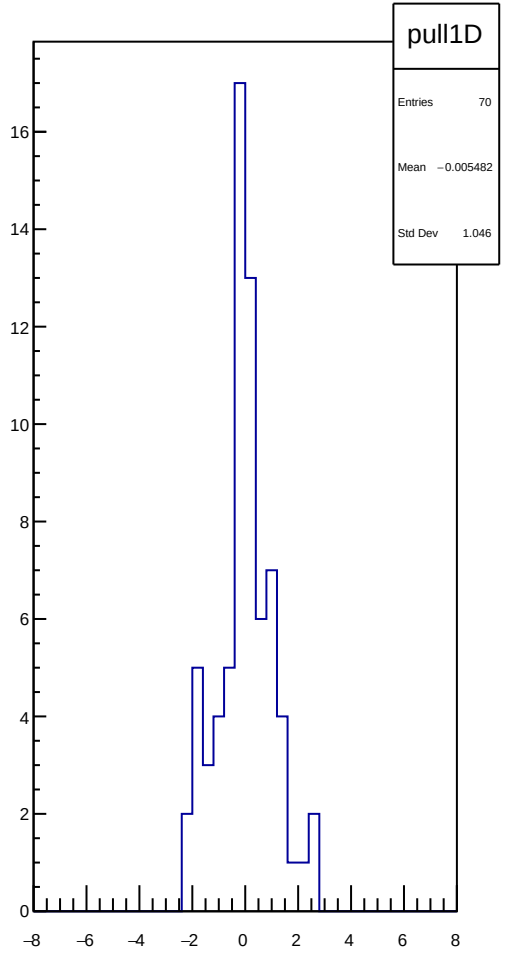

reg_asym_atr2_rms vs run
χ² / ndf 207 / 69
p0 2407 ± 2.096
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320

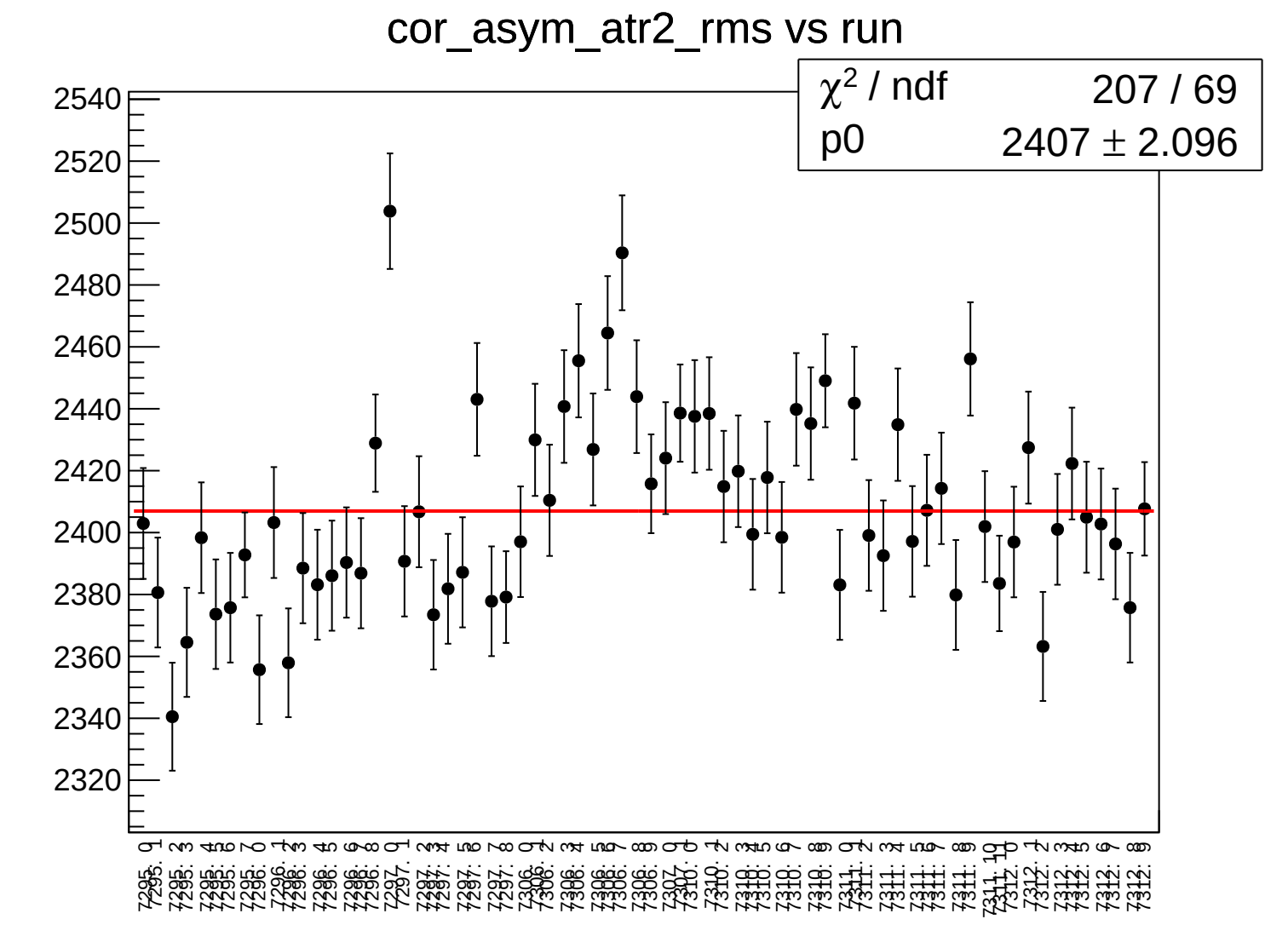

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 −1640 ± 1.284e+04
pull
Entries 70
Mean 897.7
Std Dev 0

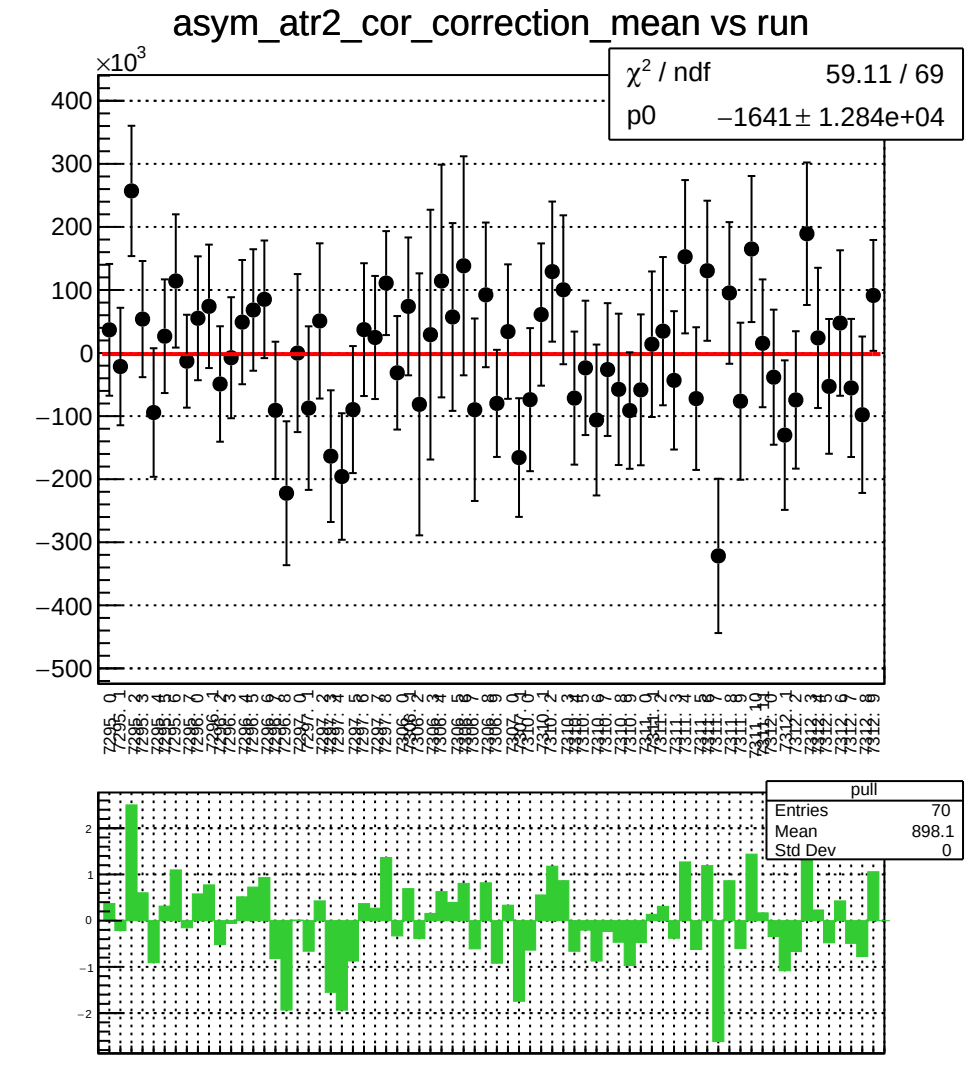

pull1D
Entries 70
Mean −0.00182
Std Dev 0.9189

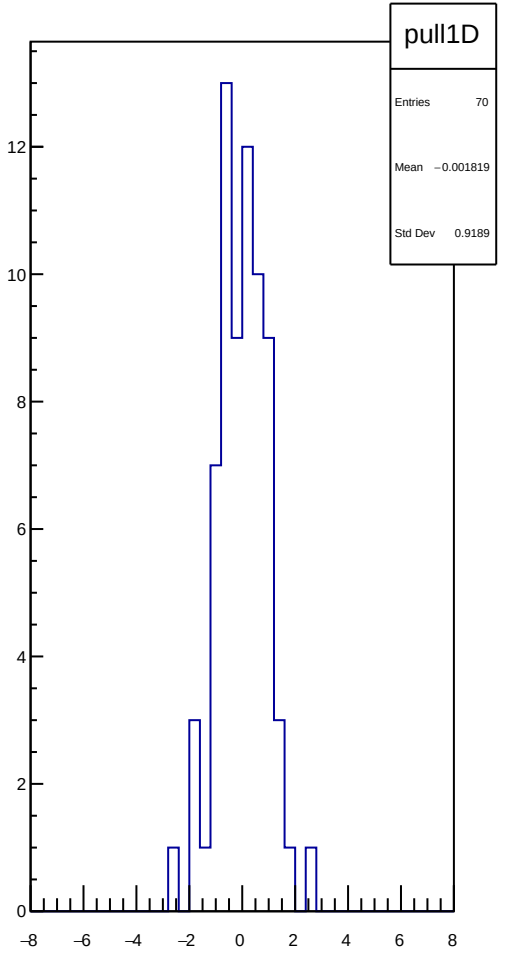

asym_atr2_reg_correction_rms vs run
χ² / ndf 2.681e+04 / 69
p0 1.032e+04 ± 9.077
20000
18000
16000
14000
12000
10000
8000

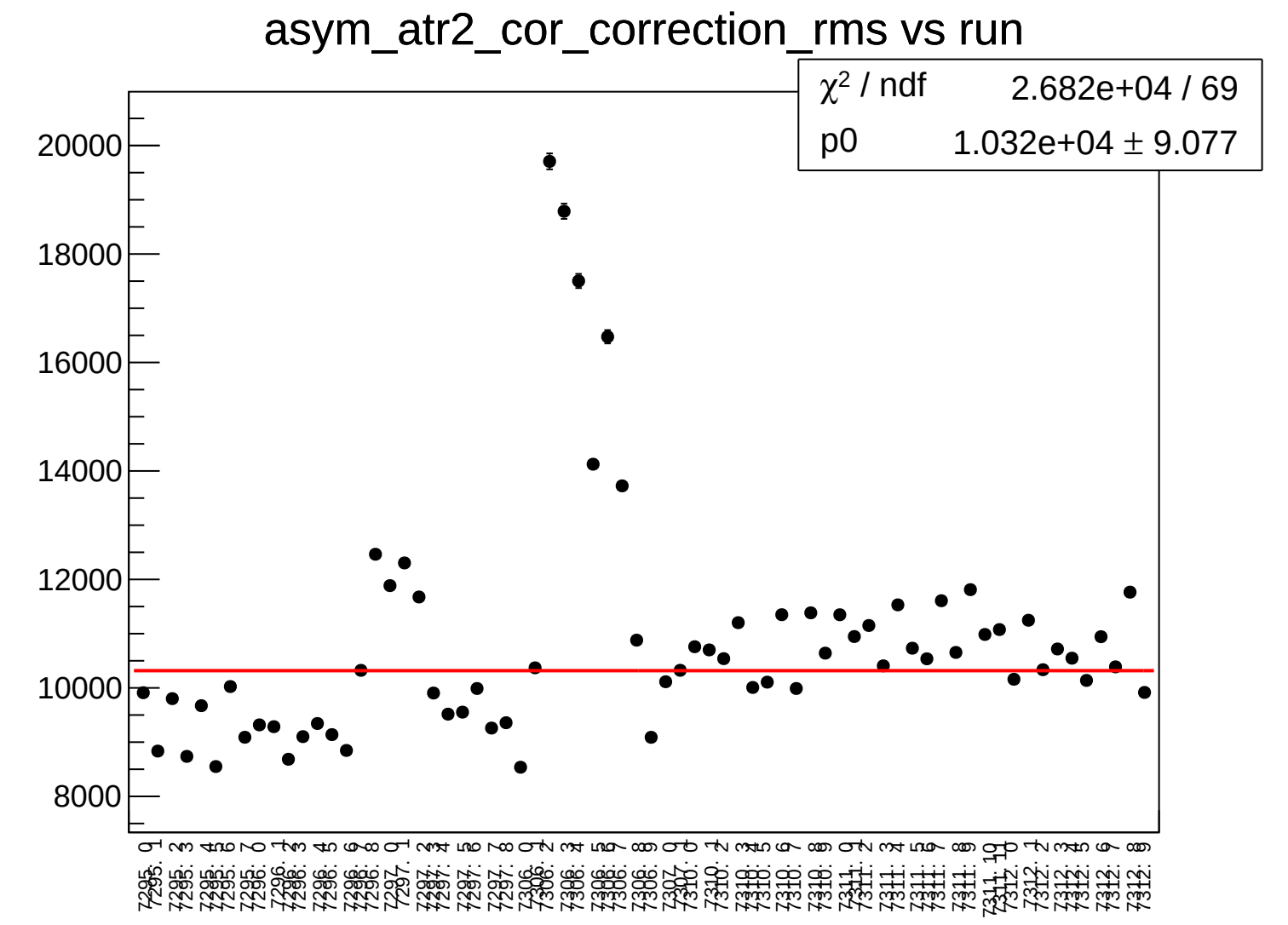

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 76.65 / 69
p0 −3096 ± 2964
pull
Entries 70
Mean 95.74
Std Dev 0

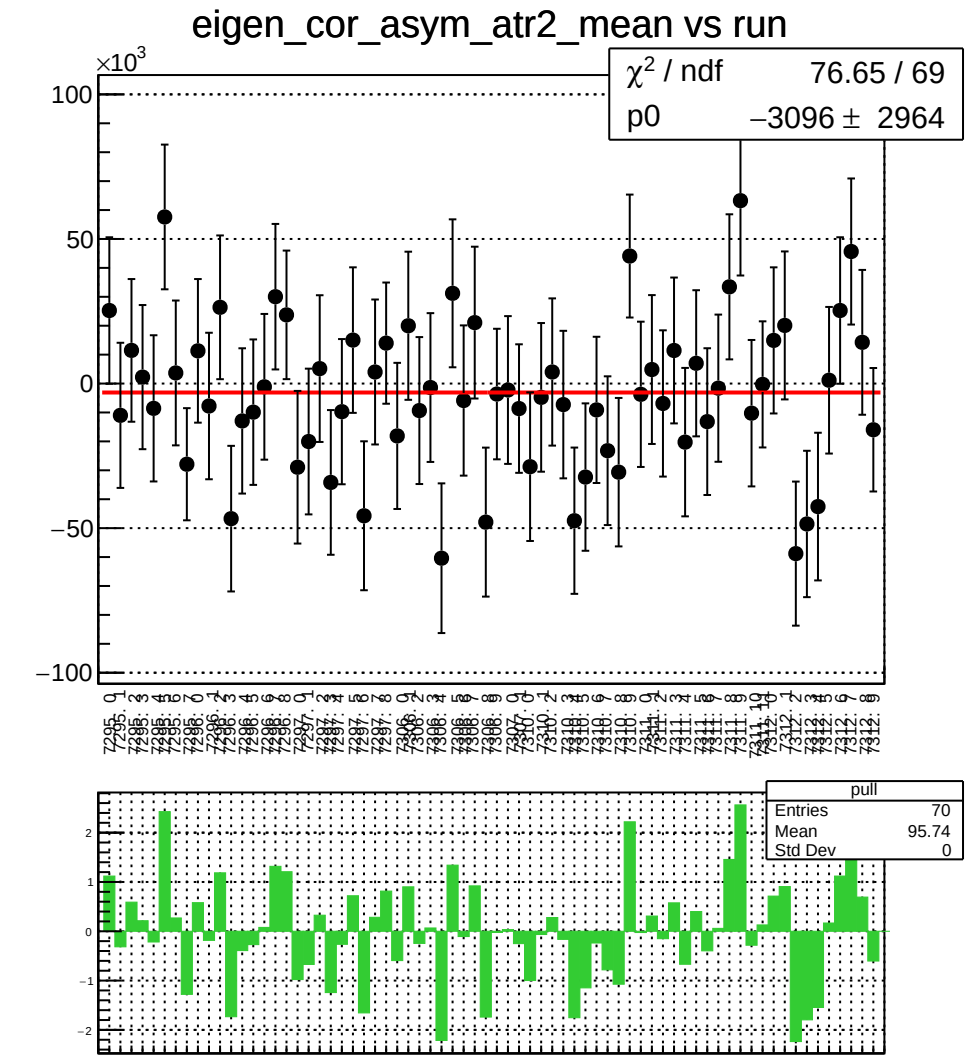

pull1D
Entries 70
Mean −0.005482
Std Dev 1.046

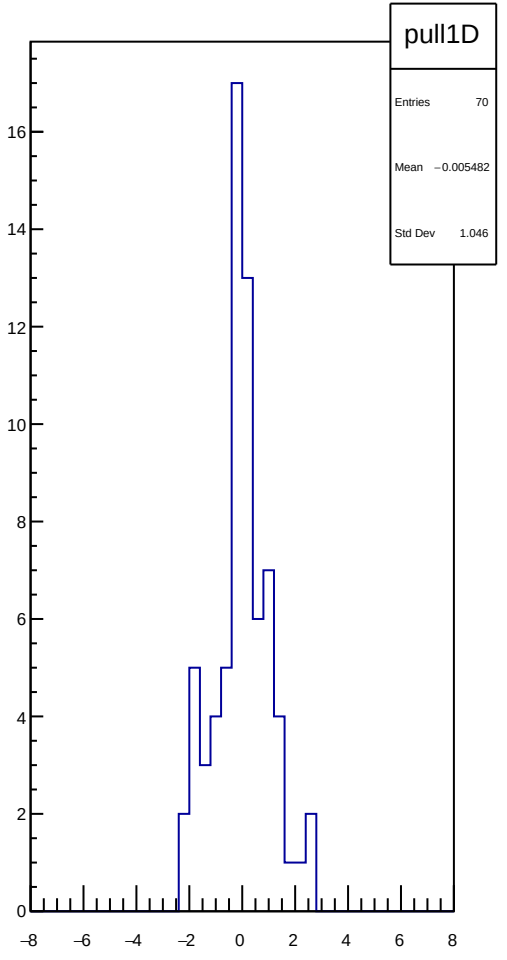

cor_asym_atr2_rms vs run
χ² / ndf 207 / 69
p0 2407 ± 2.096
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320

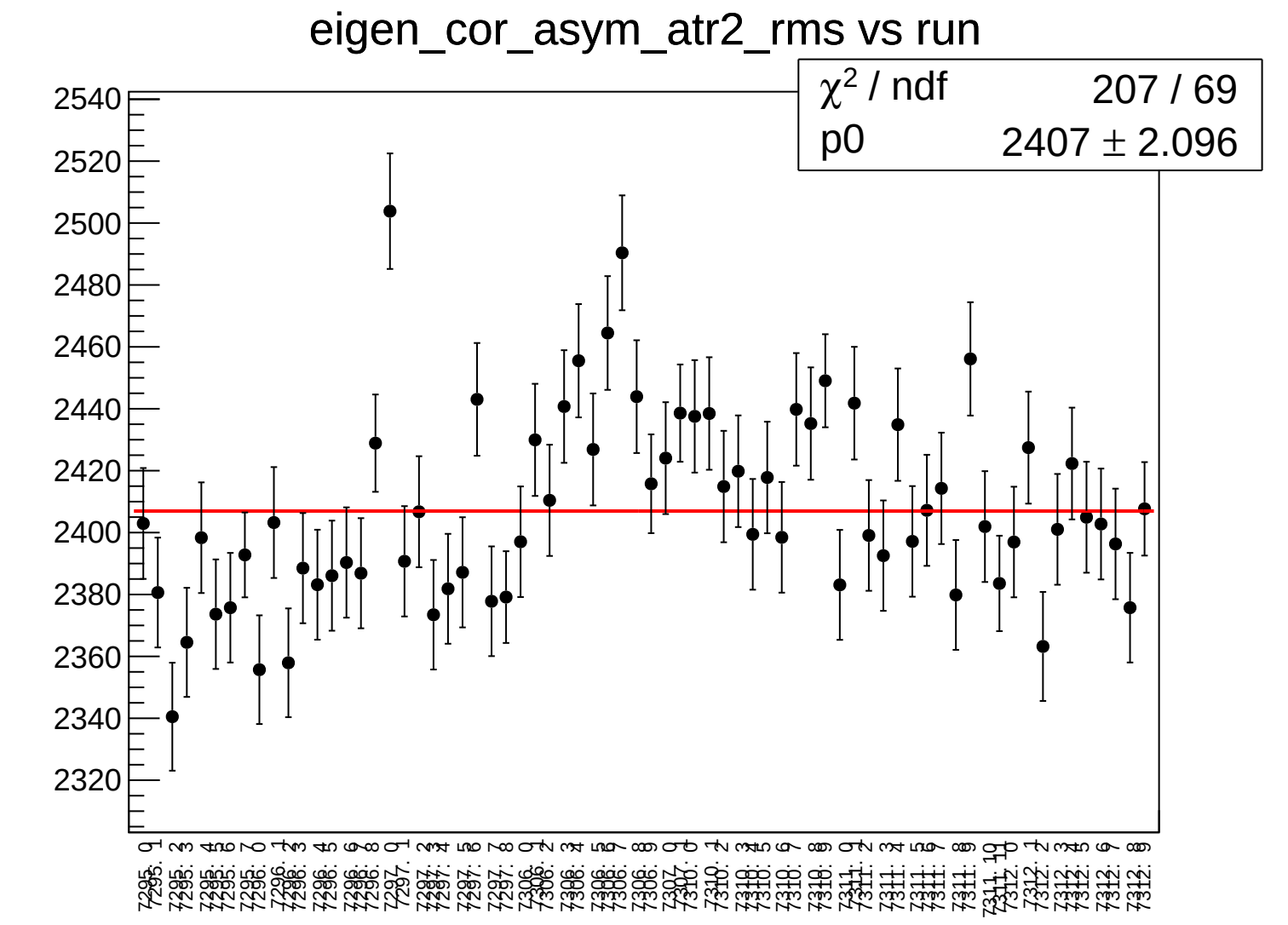

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 −1641 ± 1.284e+04
pull
Entries 70
Mean 898.1
Std Dev 0

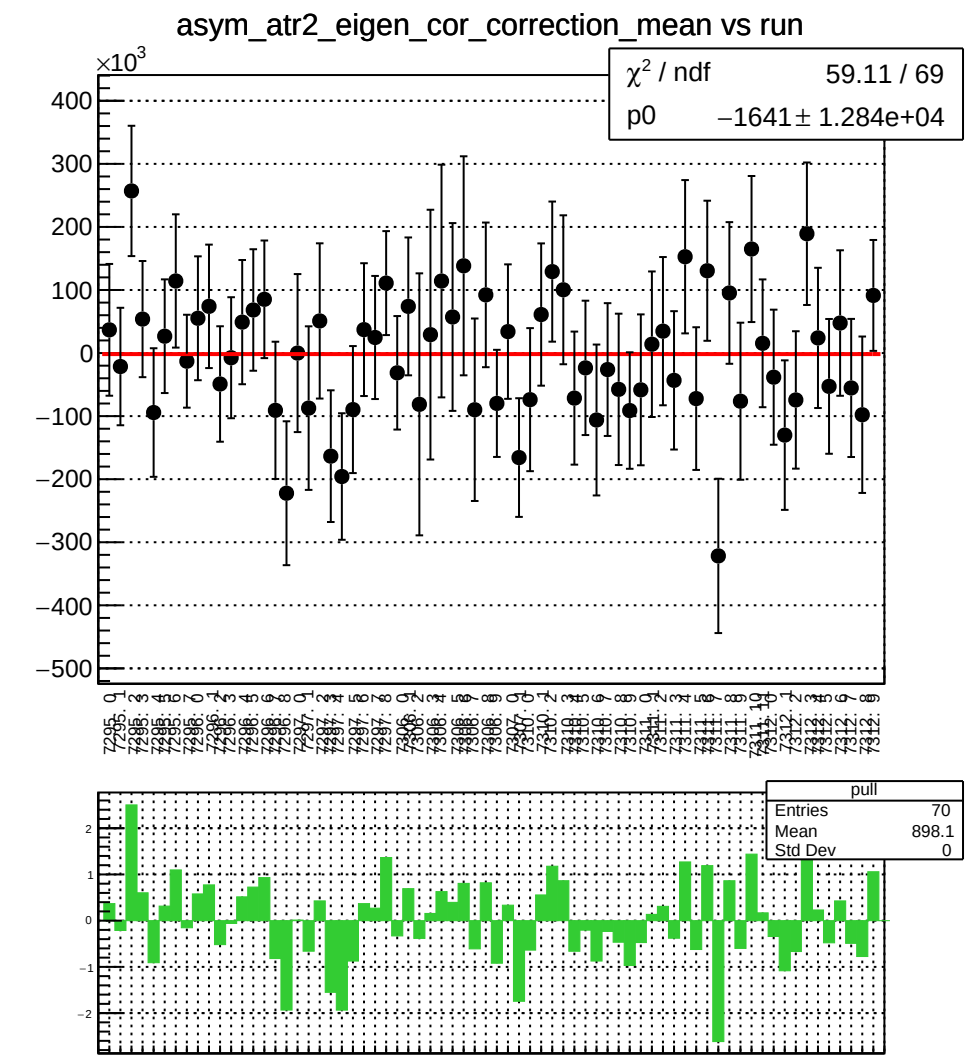

pull1D
Entries 70
Mean −0.001819
Std Dev 0.9189

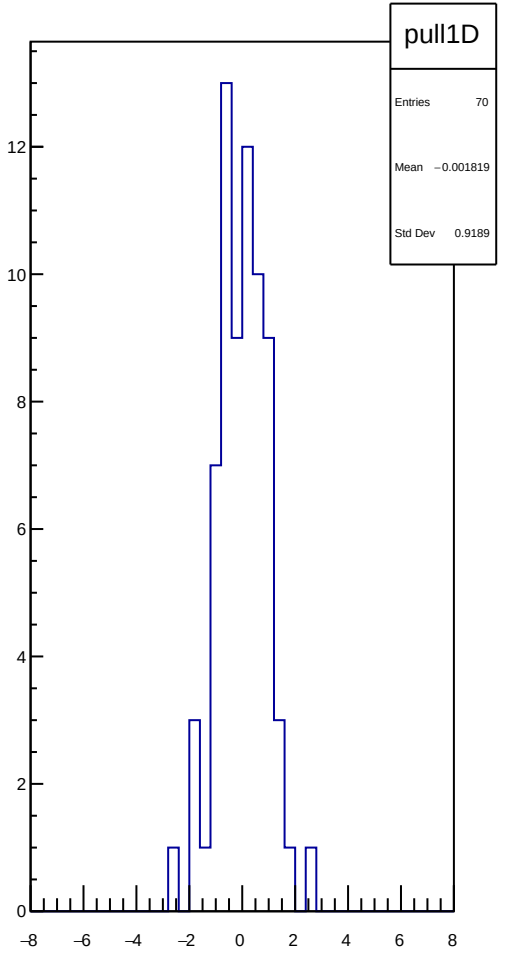

asym_atr2_cor_correction_rms vs run
χ² / ndf 2.682e+04 / 69
p0 1.032e+04 ± 9.077
20000
18000
16000
14000
12000
10000
8000

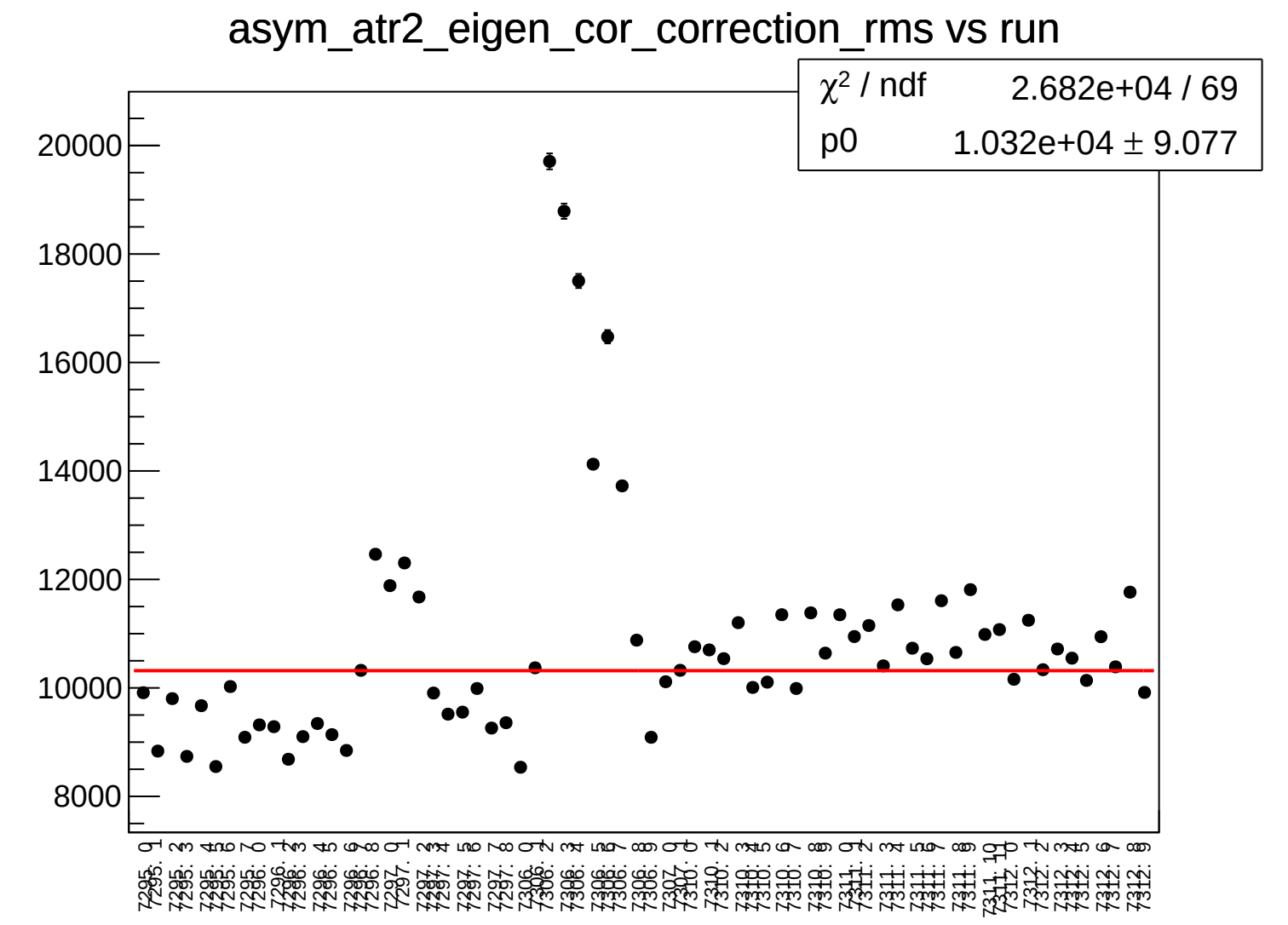

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 76.65 / 69
p0 −3096 ± 2964
pull
Entries 70
Mean 95.74
Std Dev 0

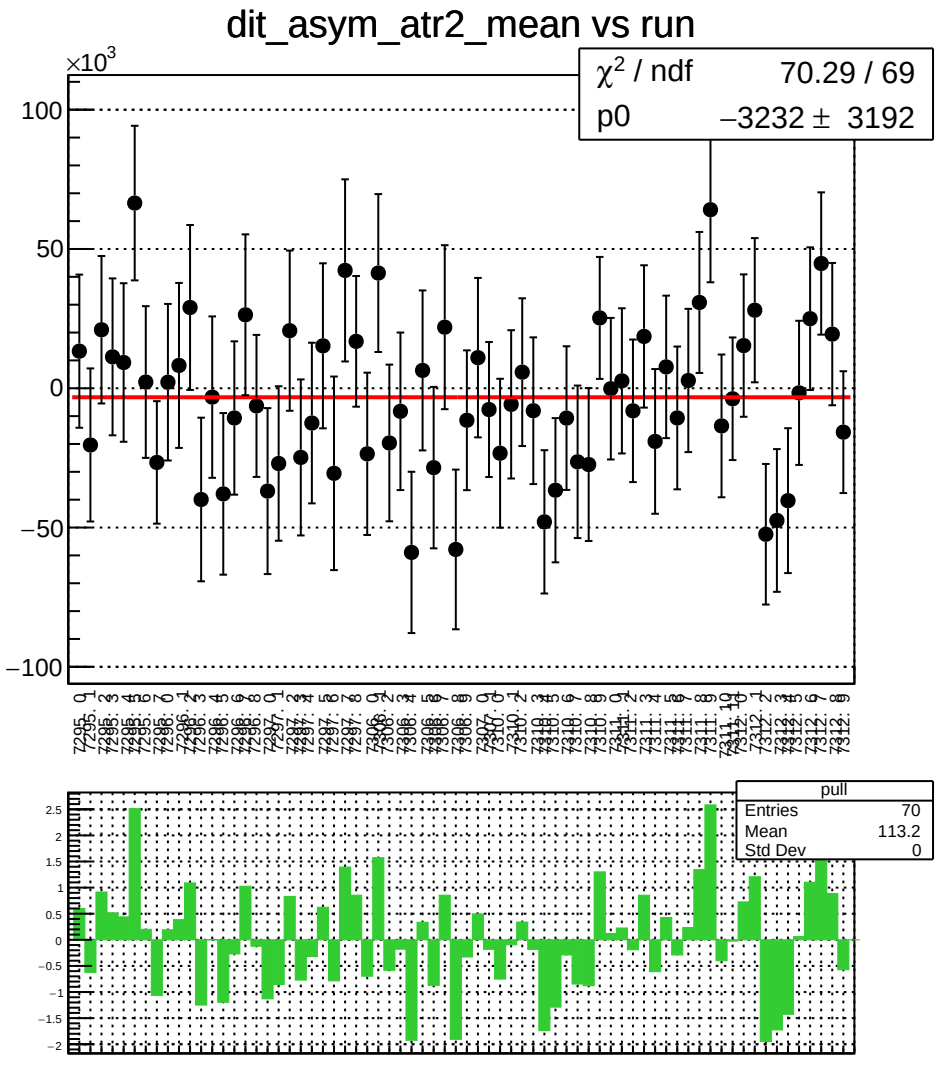

pull1D
Entries 70
Mean −0.005482
Std Dev 1.046

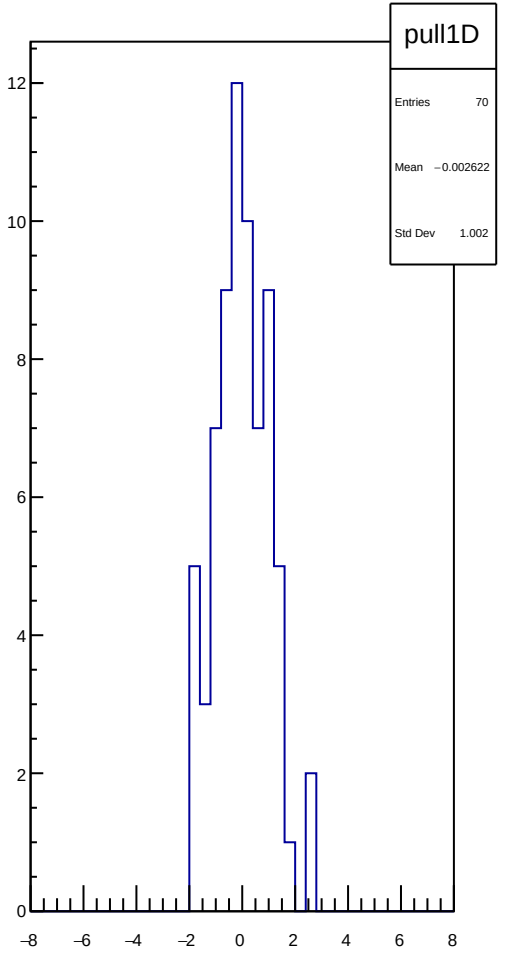

eigen_cor_asym_atr2_rms vs run
χ² / ndf 207 / 69
p0 2407 ± 2.096
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320

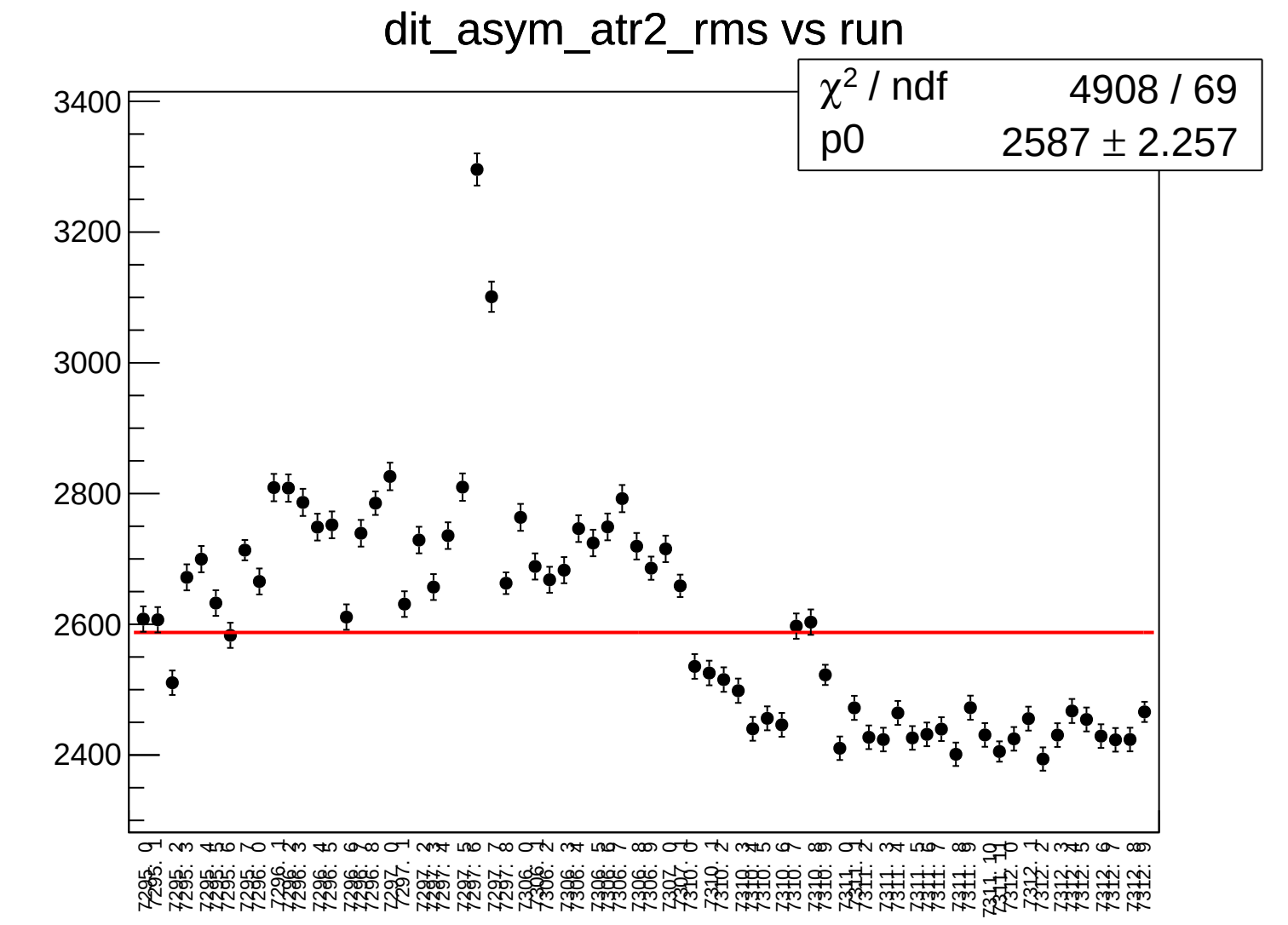

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 −1641 ± 1.284e+04
pull
Entries 70
Mean 898.1
Std Dev 0

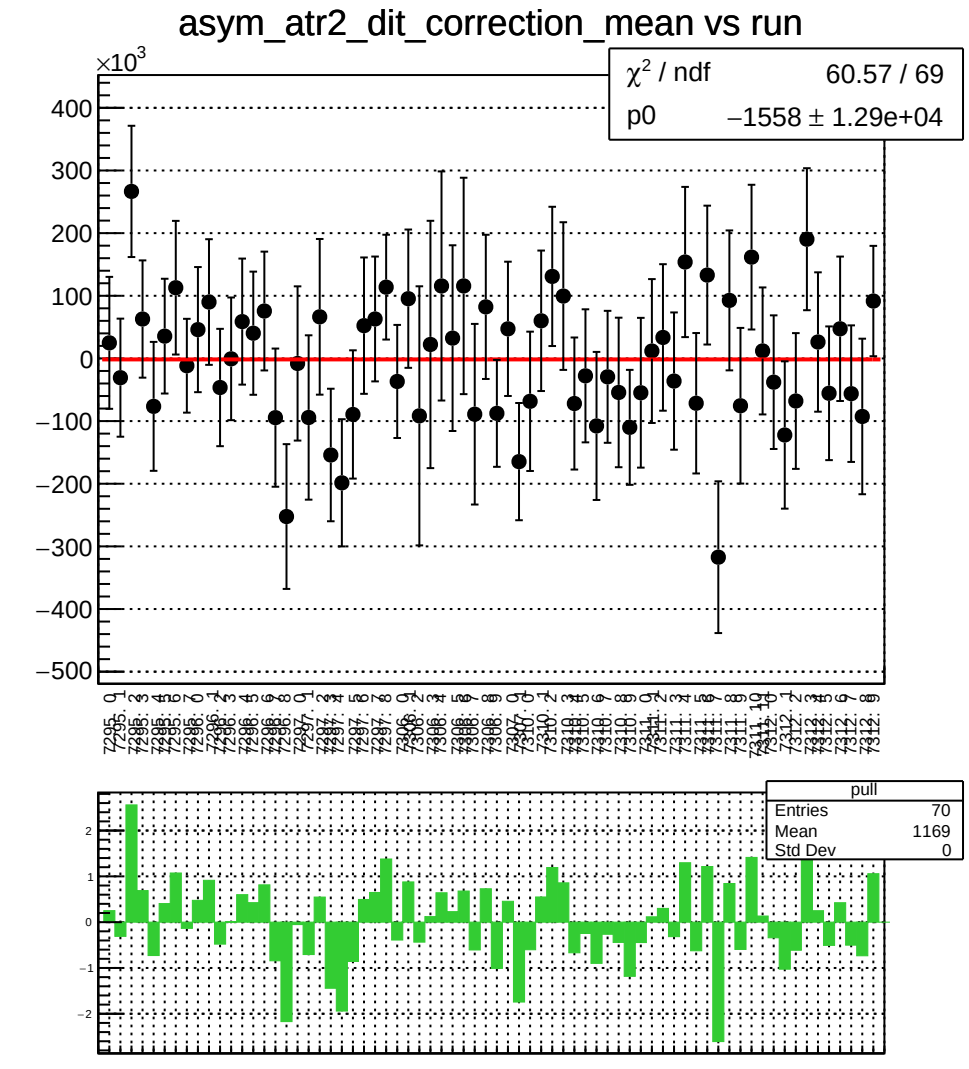

pull1D
Entries 70
Mean −0.001819
Std Dev 0.9189

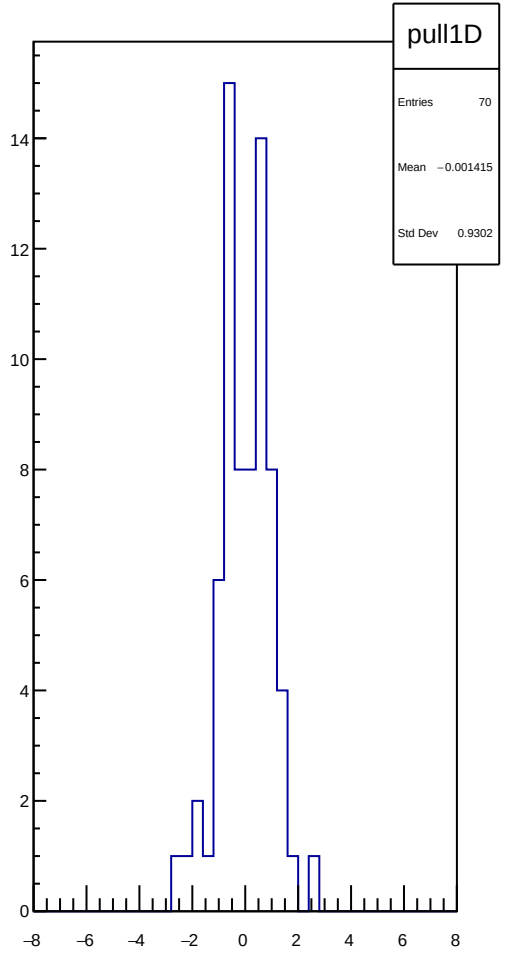

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2.682e+04 / 69
p0 1.032e+04 ± 9.077
20000
18000
16000
14000
12000
10000
8000

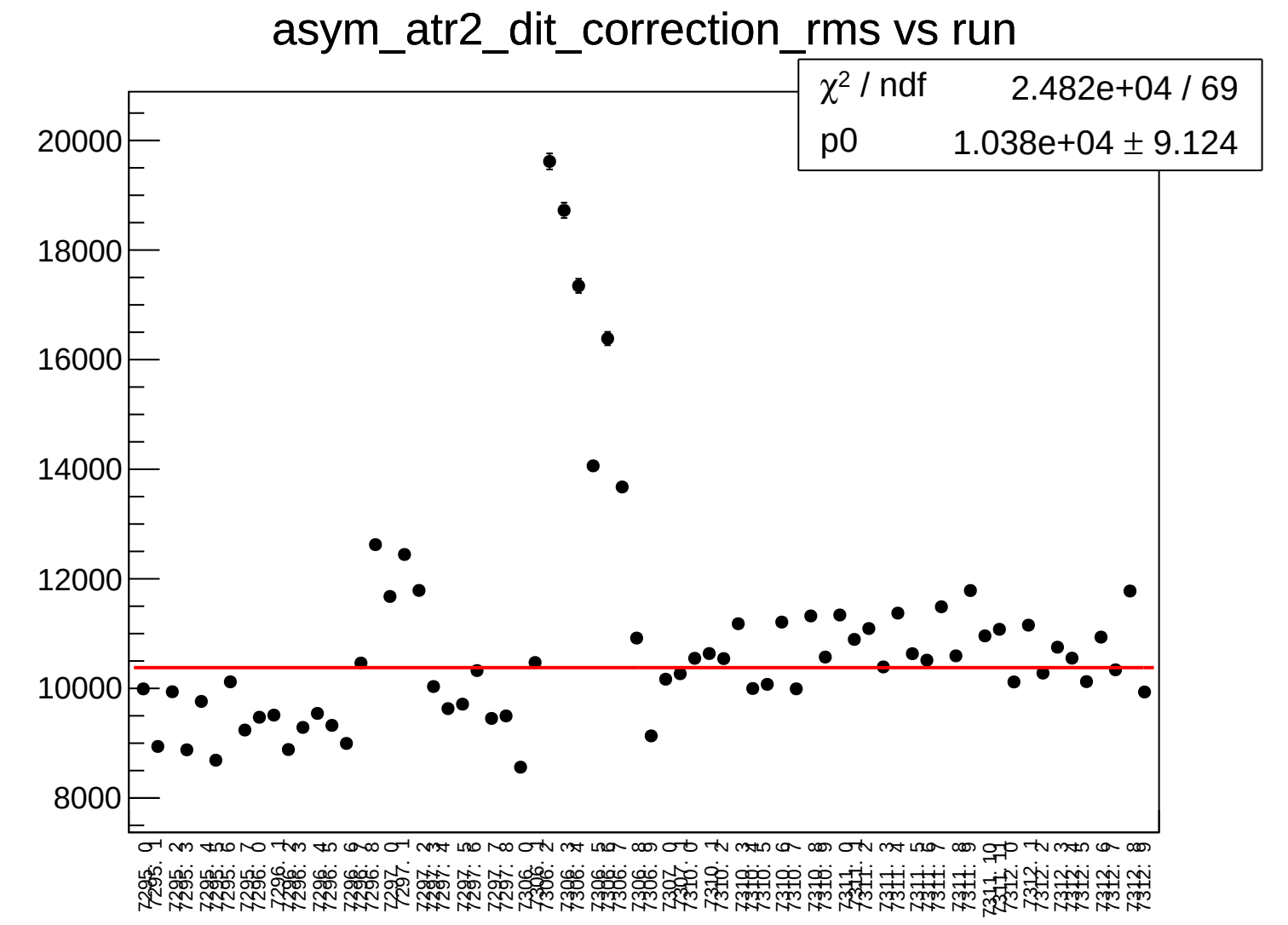

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 70.29 / 69
p0 −3232 ± 3192
100
50
0
−50
−100
pull
Entries 70
Mean 113.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

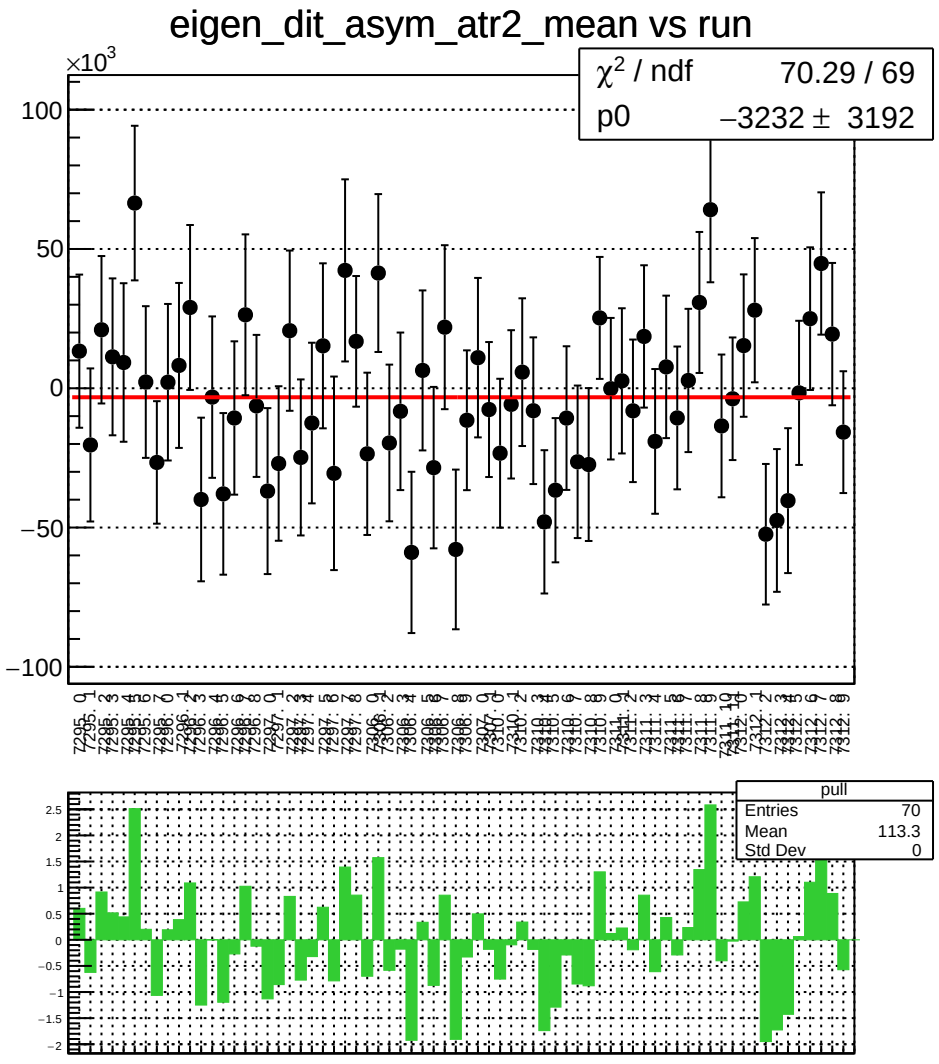

pull1D
Entries 70
Mean −0.002622
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

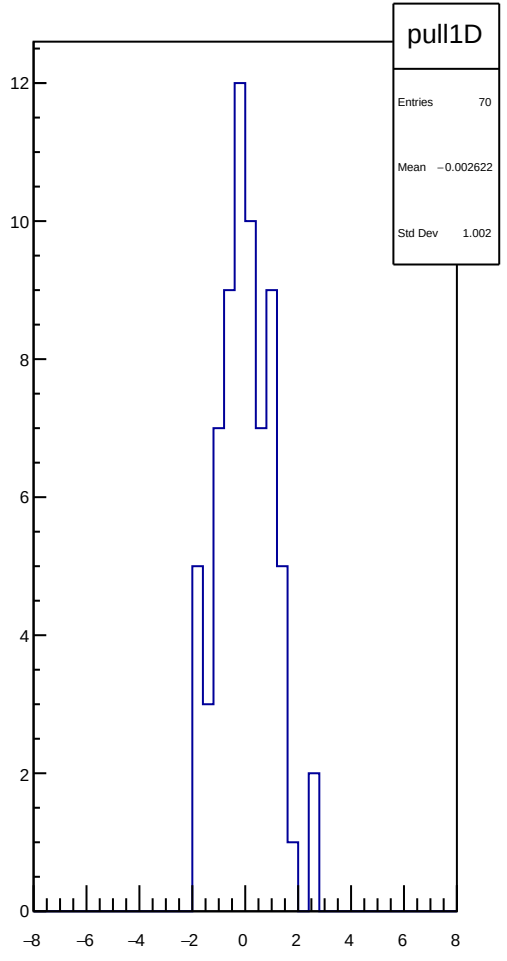

dit_asym_atr2_rms vs run
χ² / ndf 4908 / 69
p0 2587 ± 2.257
3400
3200
3000
2800
2600
2400

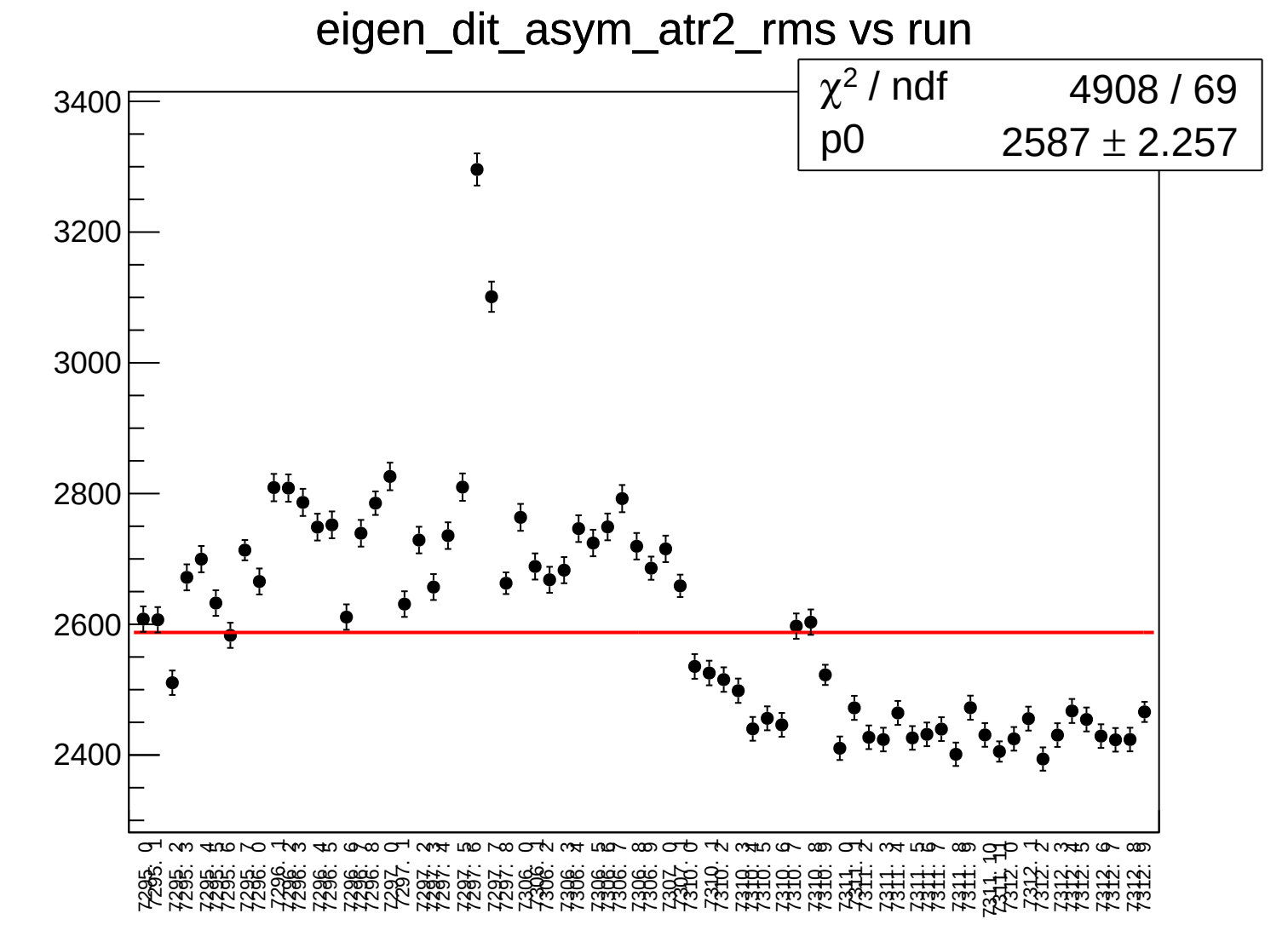

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 60.57 / 69
p0 −1558 ± 1.29e+04
pull
Entries 70
Mean 1169
Std Dev 0

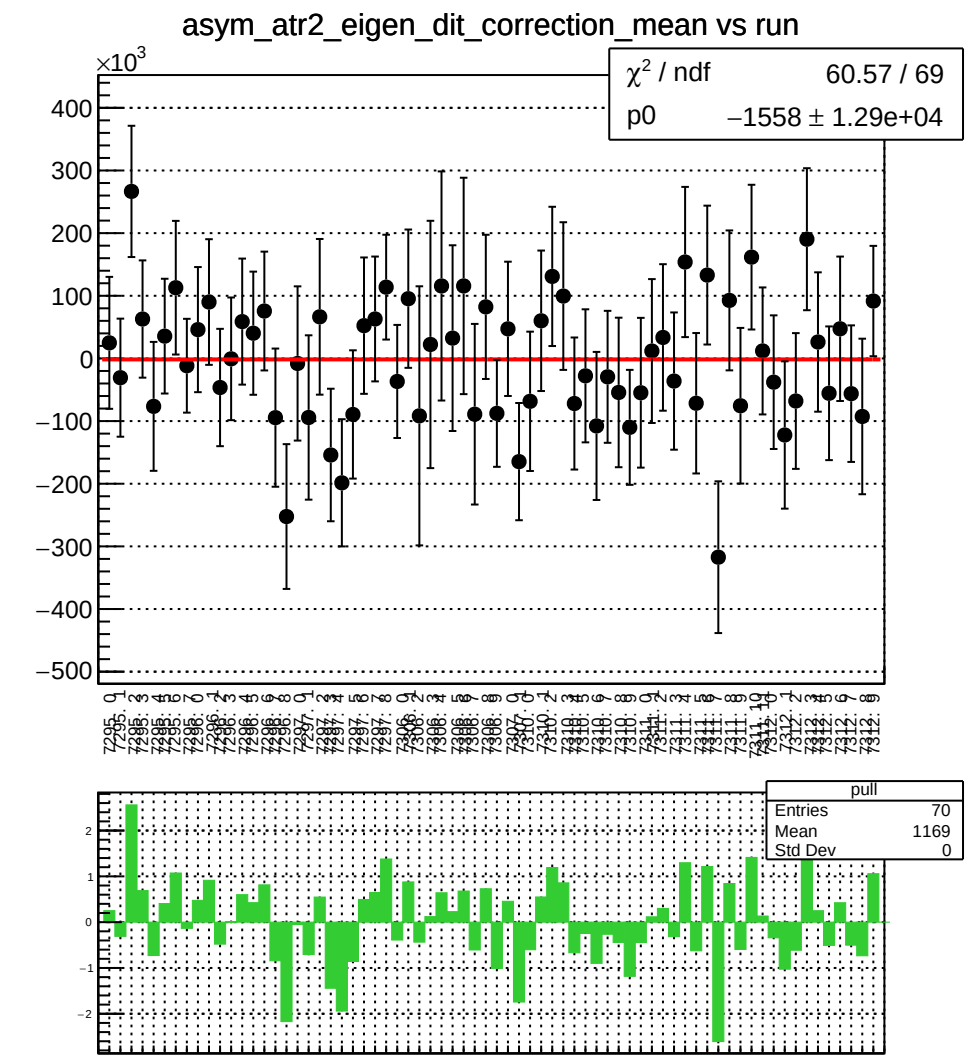

pull1D
Entries 70
Mean −0.001415
Std Dev 0.9302

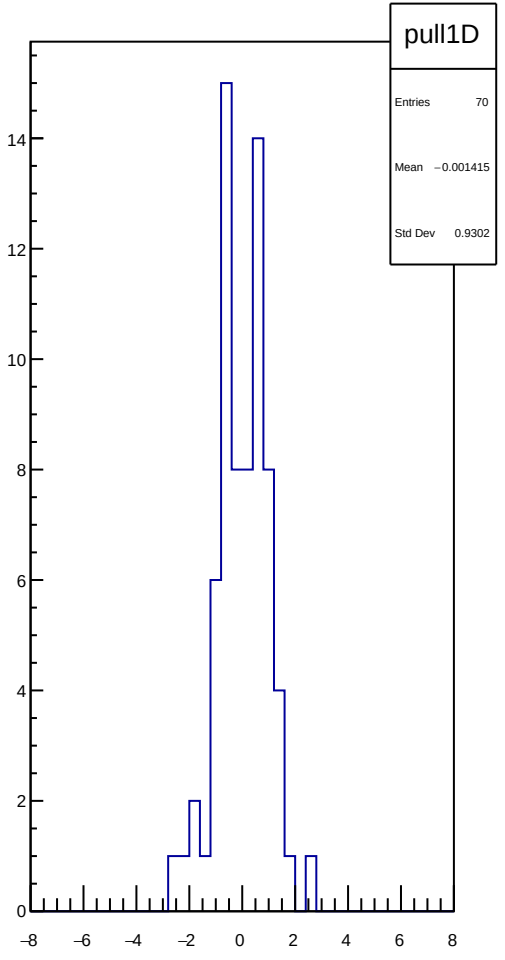

asym_atr2_dit_correction_rms vs run
χ² / ndf 2.482e+04 / 69
p0 1.038e+04 ± 9.124
20000
18000
16000
14000
12000
10000
8000

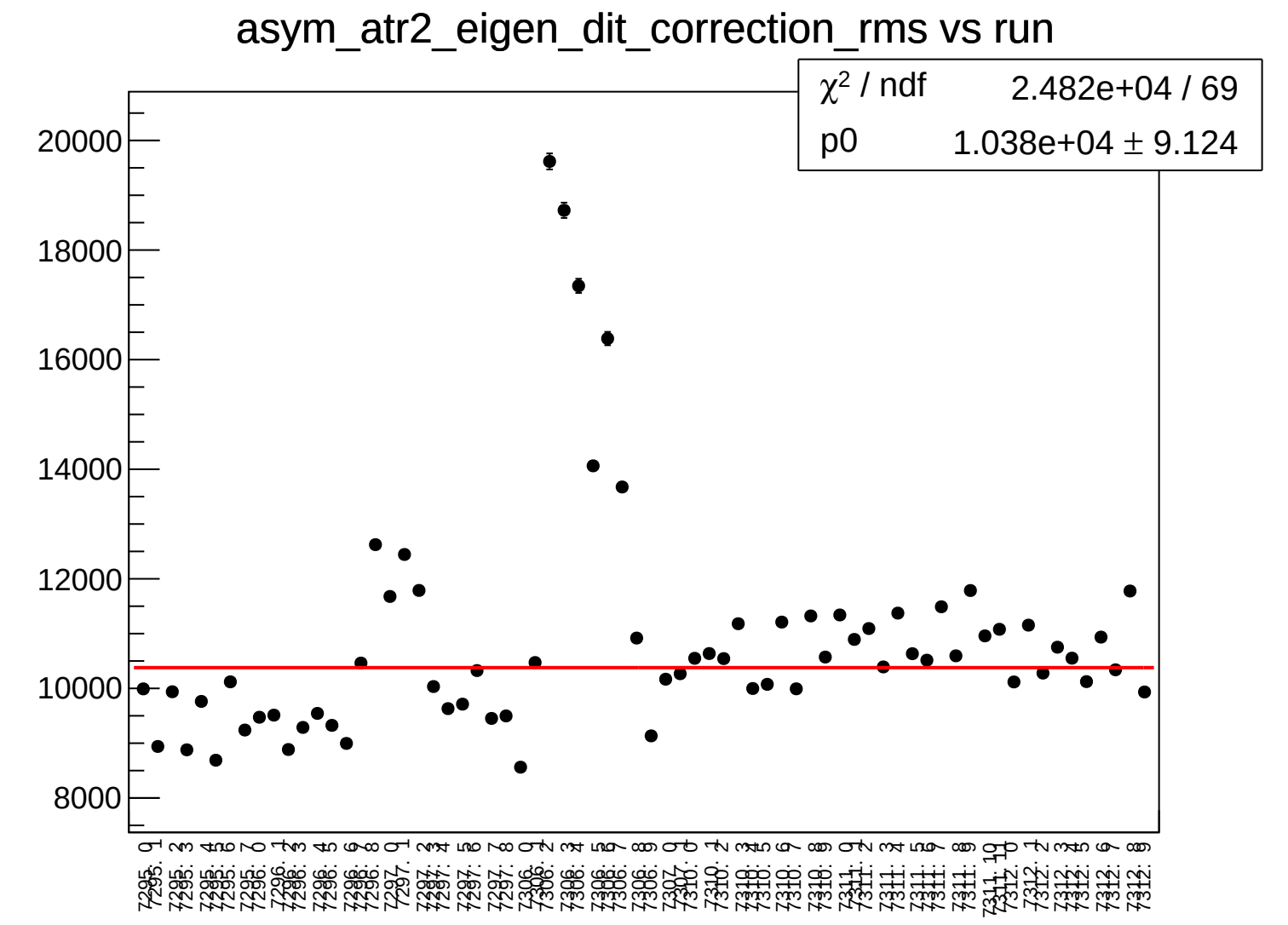

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 70.29 / 69
p0 −3232 ± 3192
100
50
0
−50
−100
pull
Entries 70
Mean 113.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

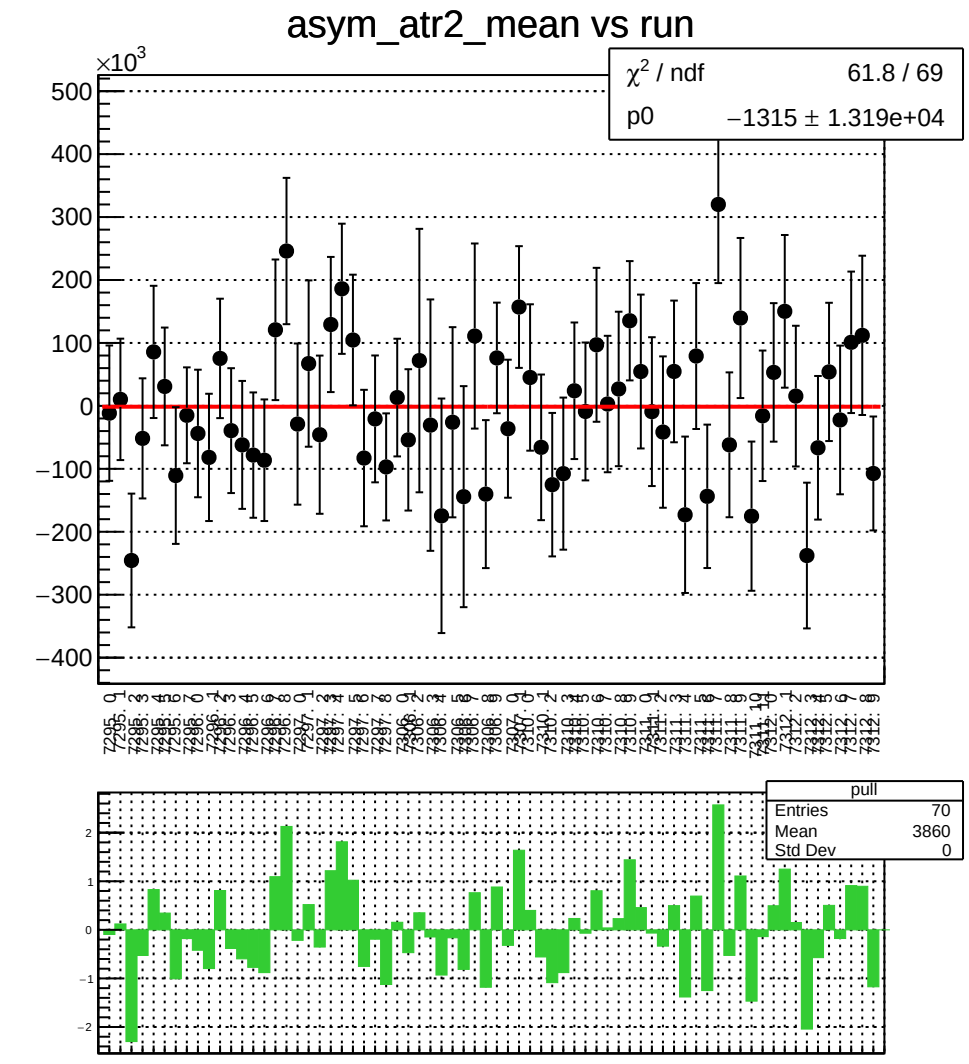

pull1D
Entries 70
Mean −0.002622
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

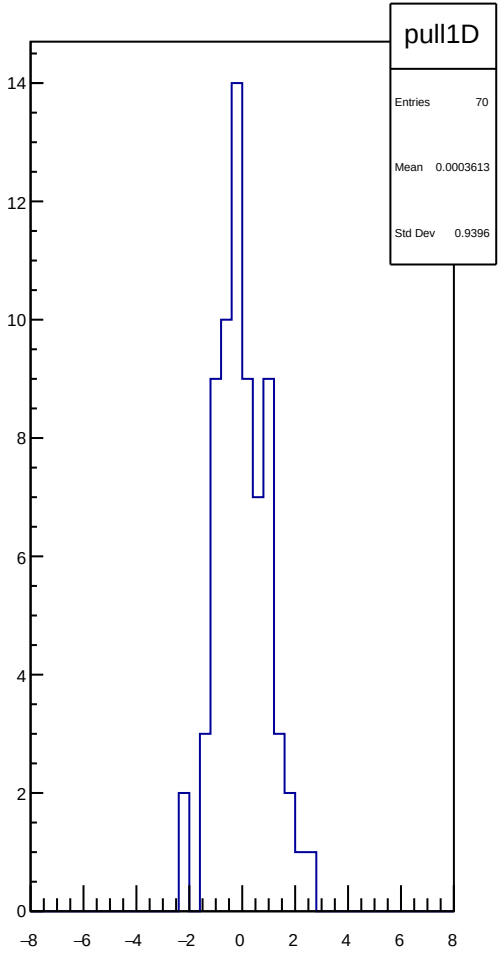

eigen_dit_asym_atr2_rms vs run
χ² / ndf 4908 / 69
p0 2587 ± 2.257
3400
3200
3000
2800
2600
2400

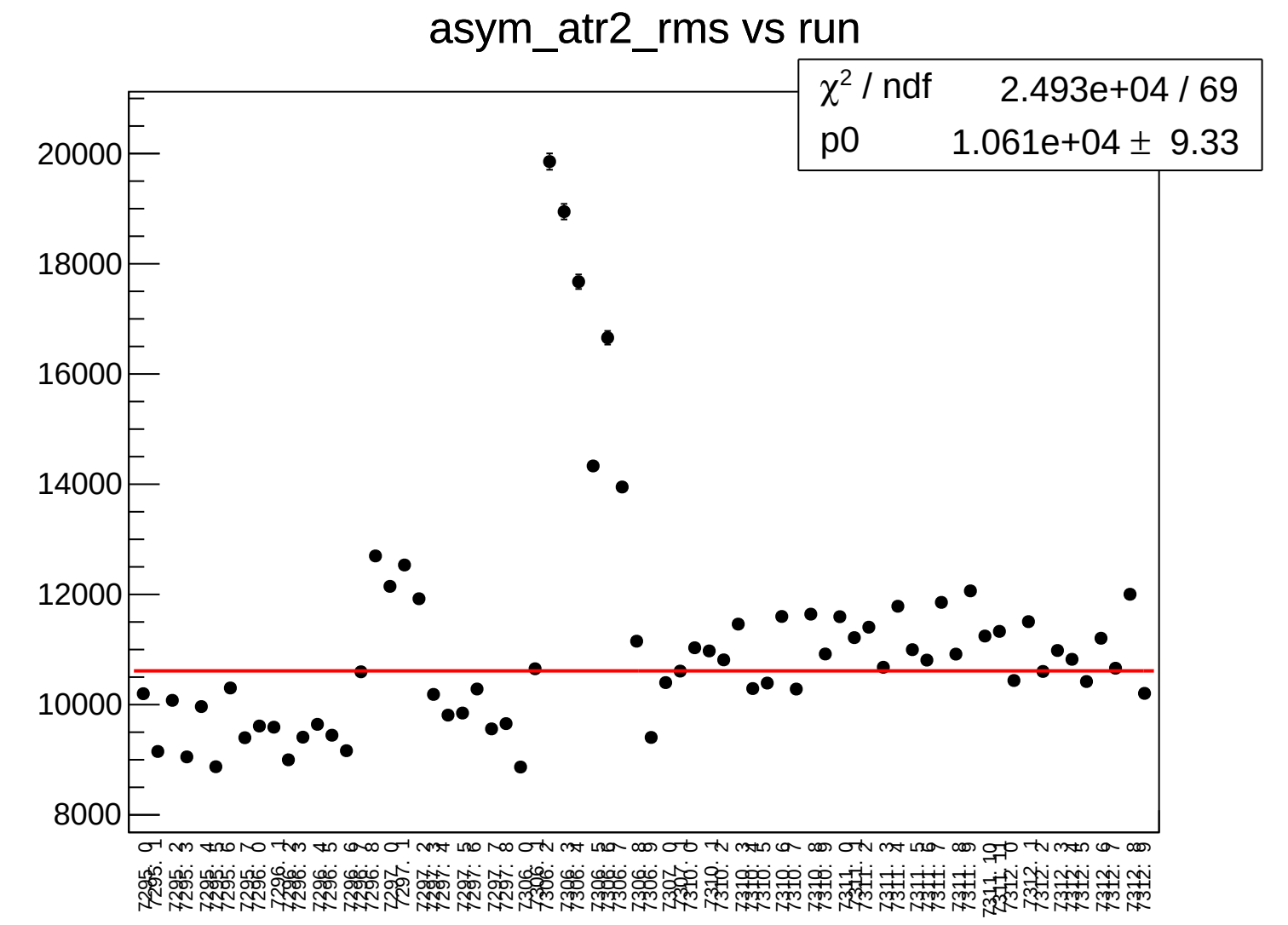

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.57 / 69
p0 −1558 ± 1.29e+04
pull
Entries 70
Mean 1169
Std Dev 0

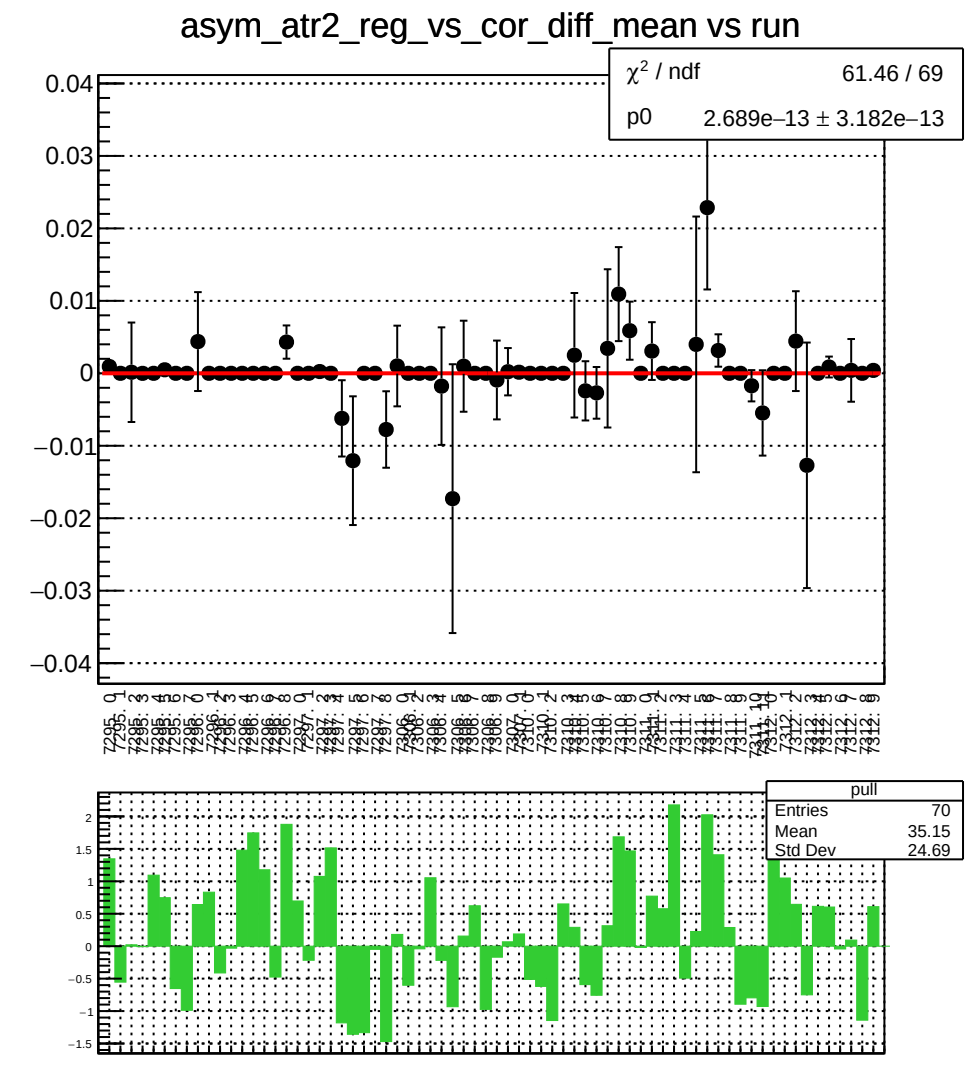

pull1D
Entries 70
Mean −0.001415
Std Dev 0.9302

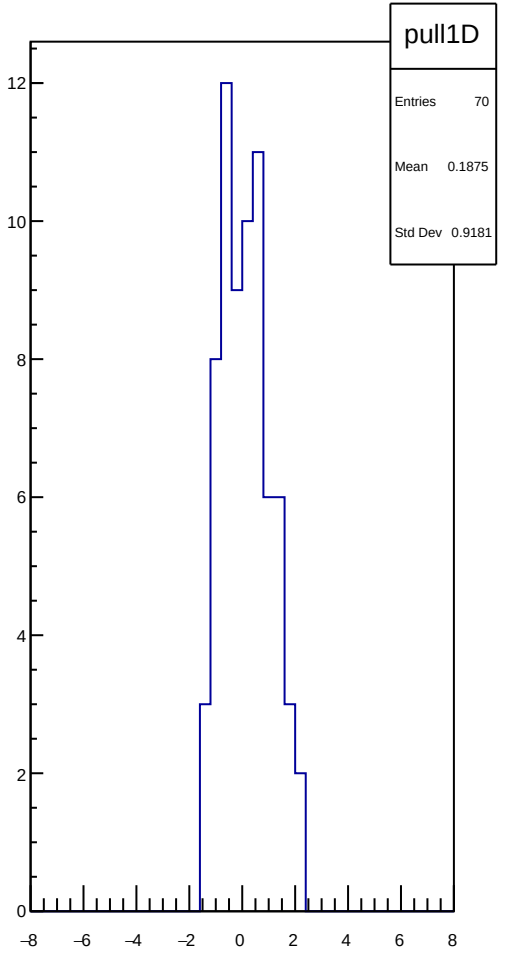

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 2.482e+04 / 69
p0 1.038e+04 ± 9.124
20000
18000
16000
14000
12000
10000
8000

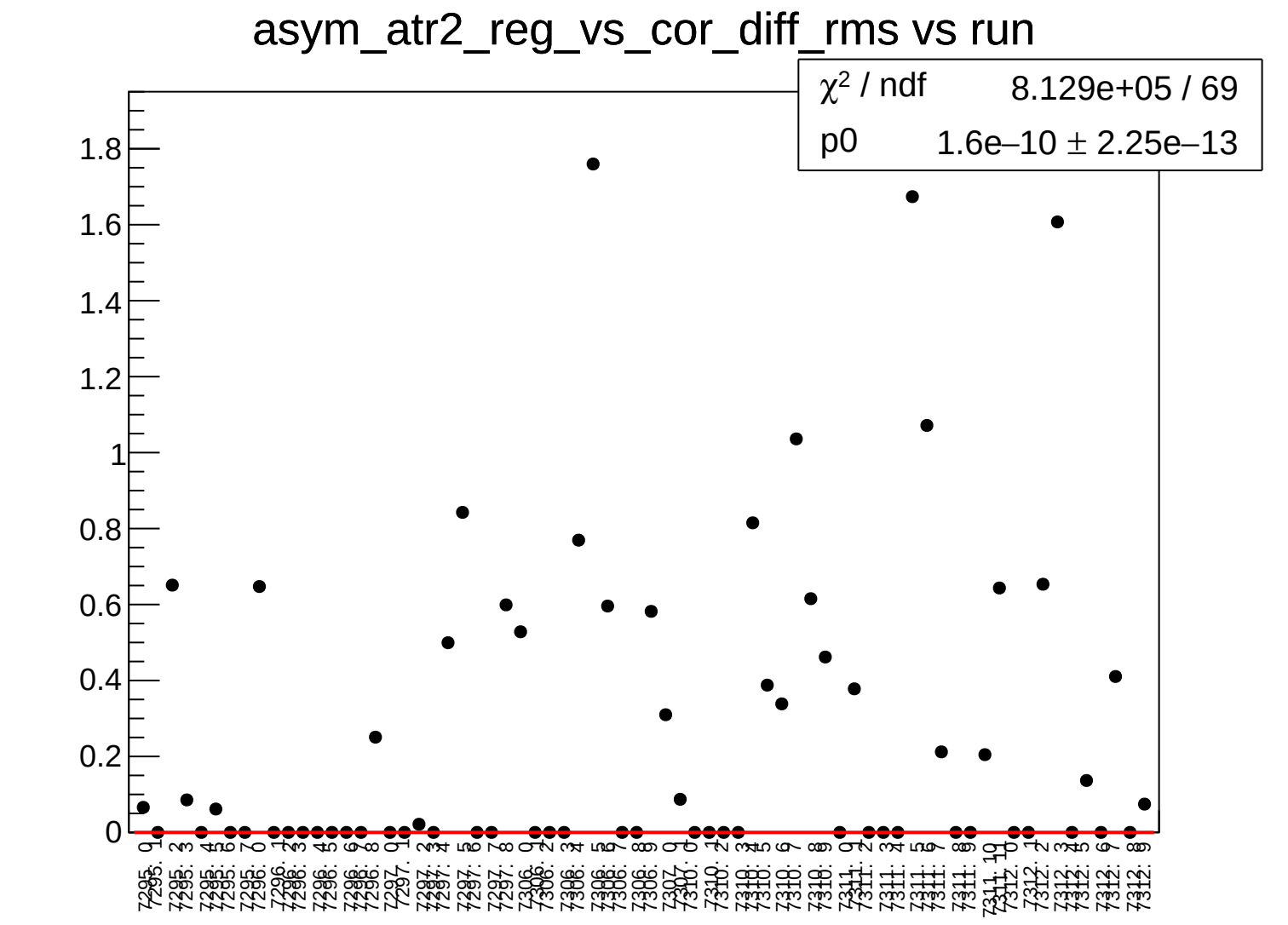

asym_atr2_mean vs run
×10^3
χ² / ndf 61.8 / 69
p0 −1315 ± 1.319e+04
pull
Entries 70
Mean 3860
Std Dev 0

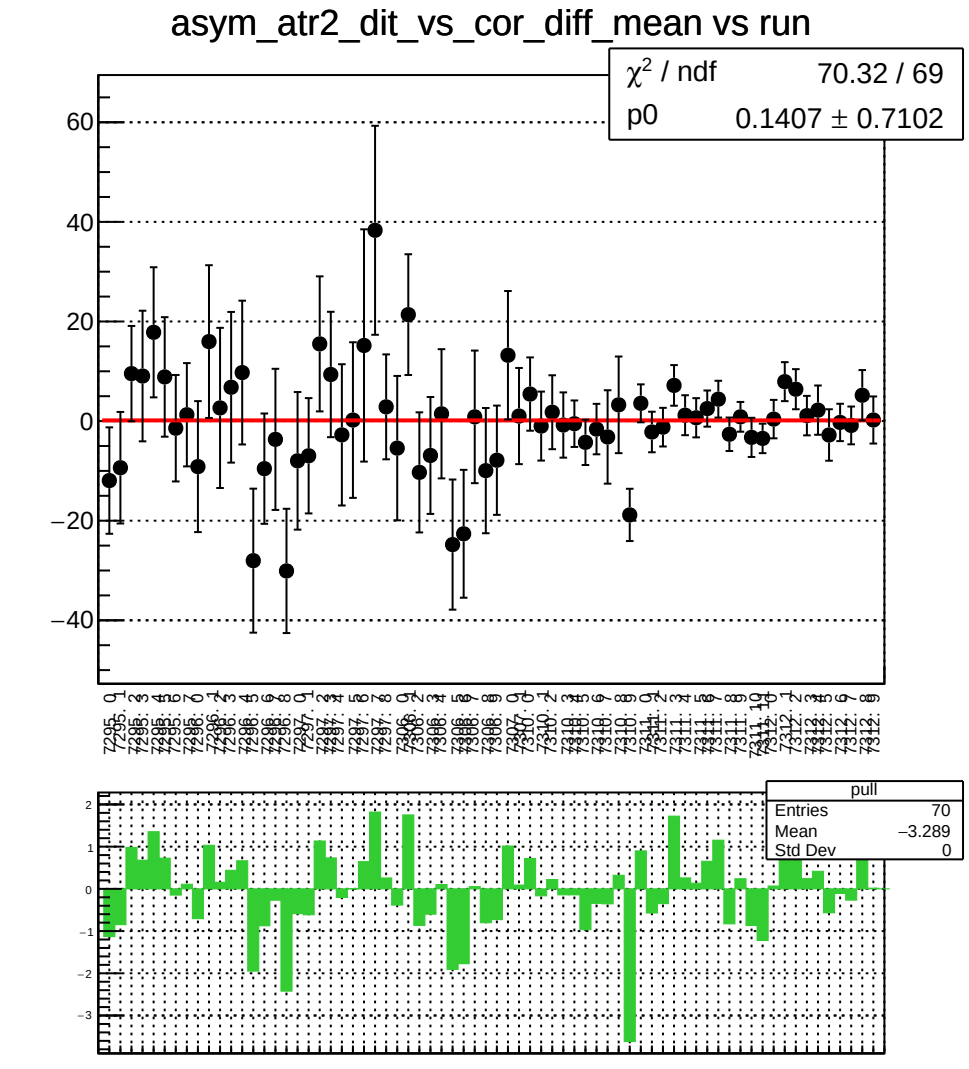

pull1D
Entries 70
Mean 0.0003613
Std Dev 0.9396

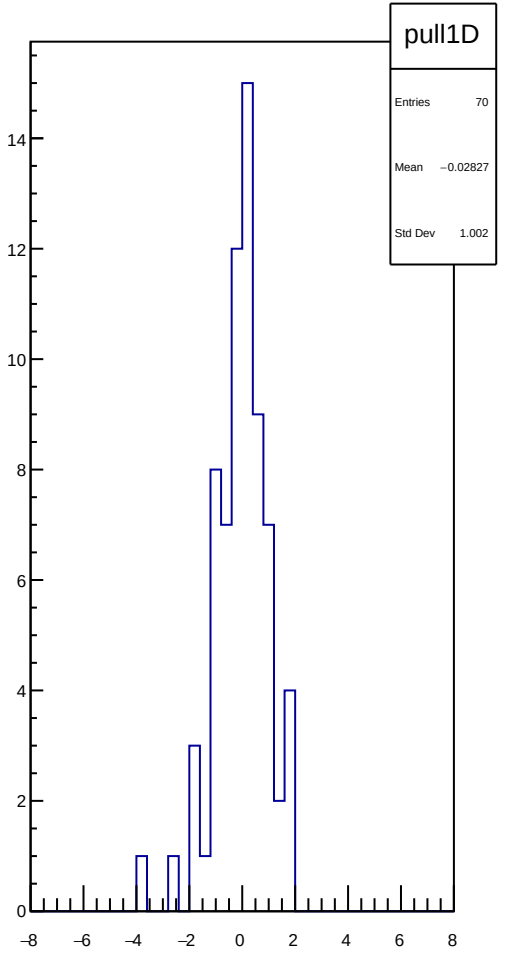

asym_atr2_rms vs run
χ^2 / ndf 2.493e+04 / 69
p0 1.061e+04 ± 9.33
20000
18000
16000
14000
12000
10000
8000

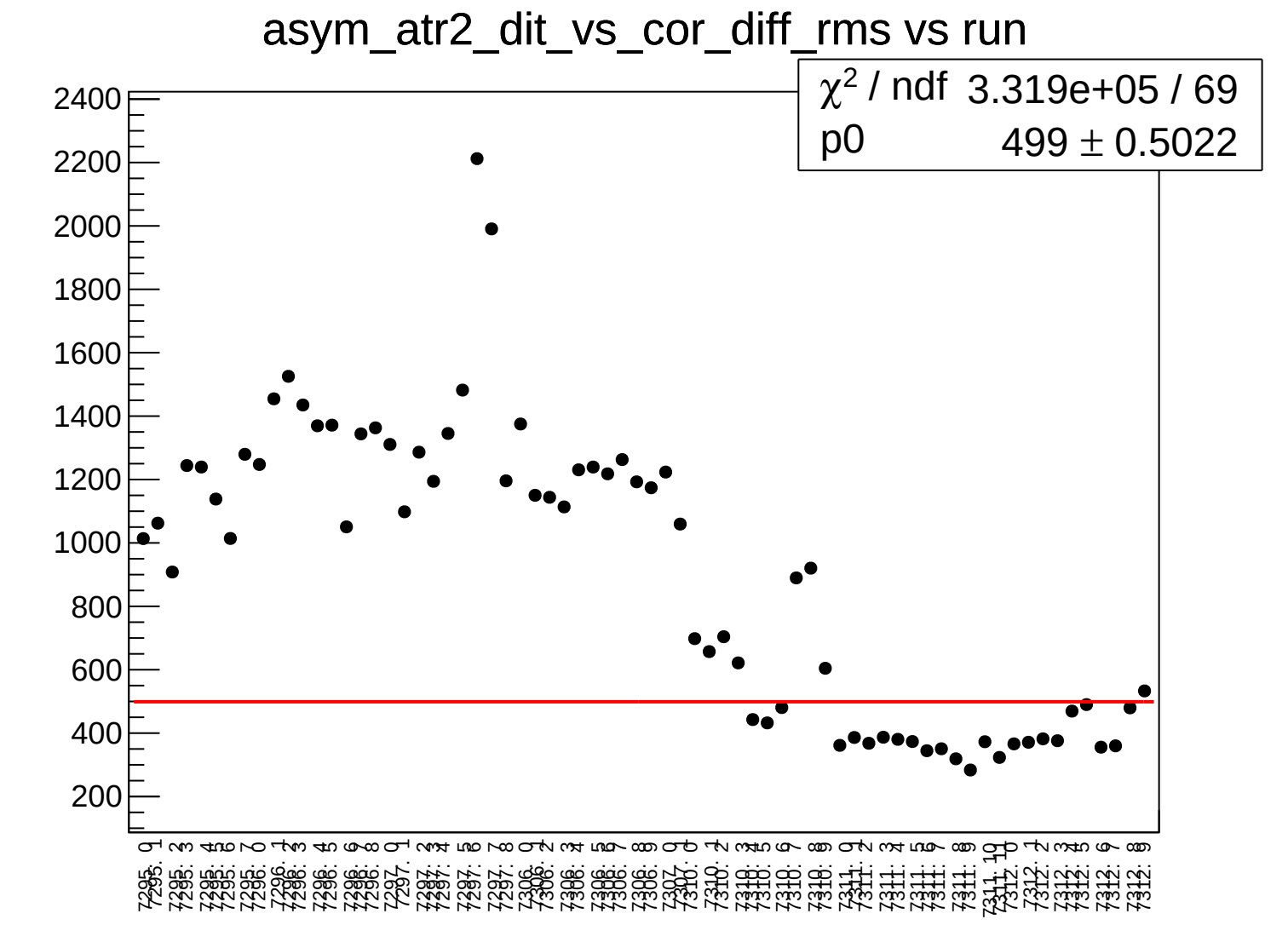

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 61.46 / 69
p0 2.689e−13 ± 3.182e−13
pull
Entries 70
Mean 35.15
Std Dev 24.69

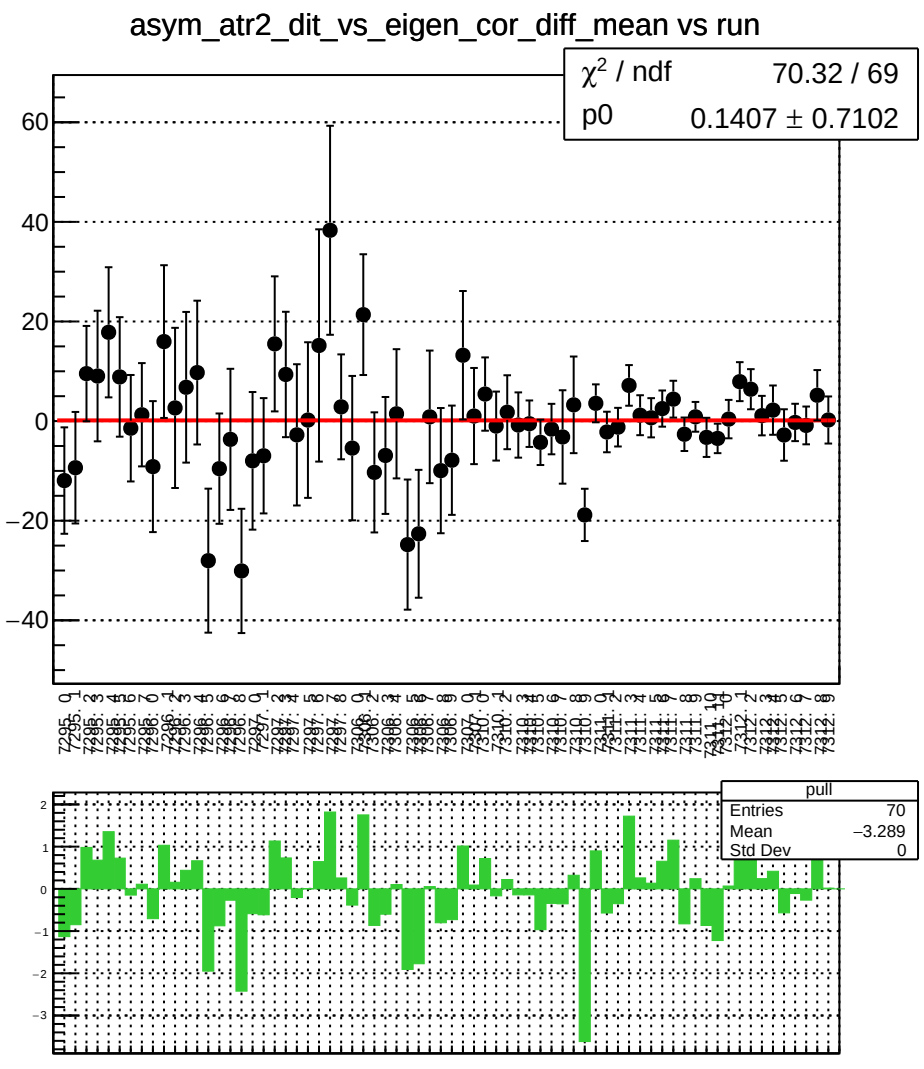

pull1D
Entries 70
Mean 0.1875
Std Dev 0.9181

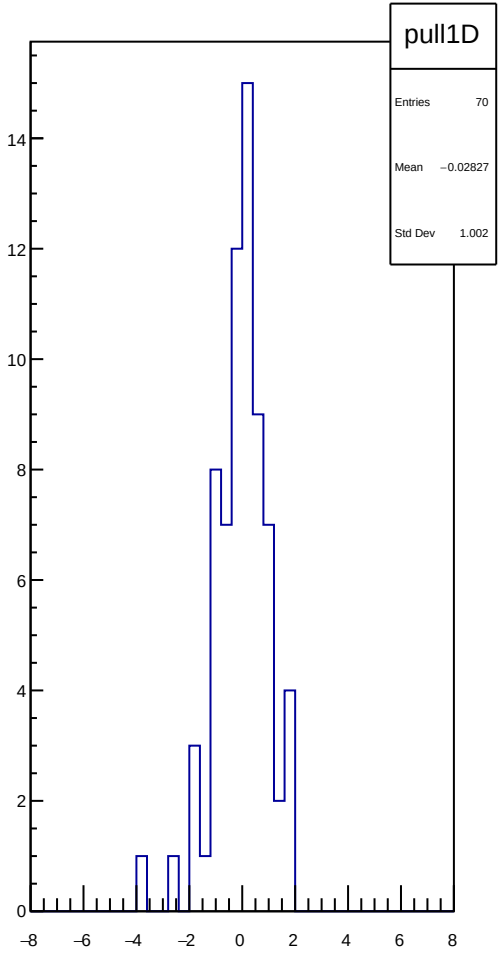

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.129e+05 / 69
p0 1.6e−10 ± 2.25e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

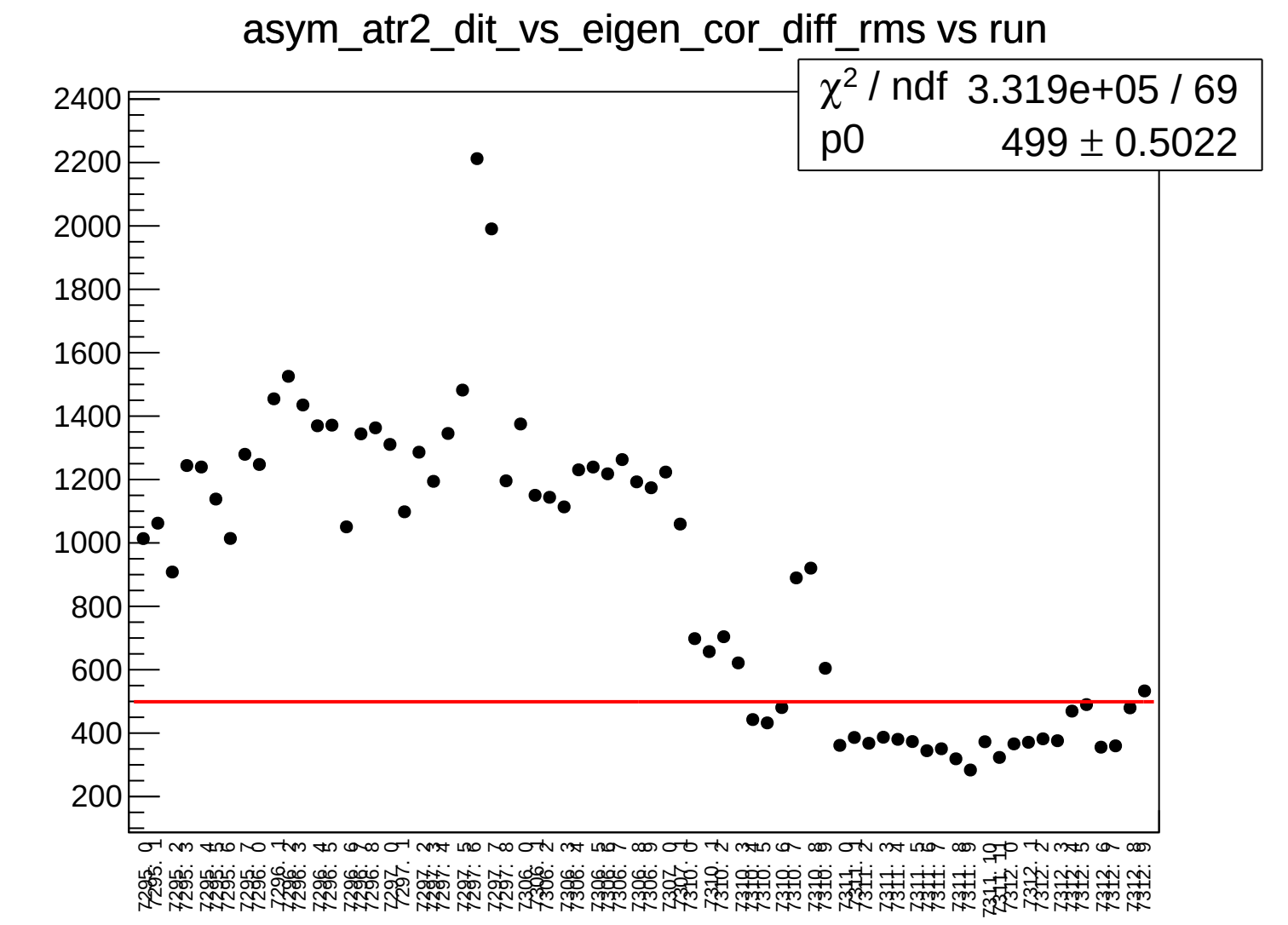

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 70.32 / 69
p0 0.1407 ± 0.7102
pull
Entries 70
Mean −3.289
Std Dev 0

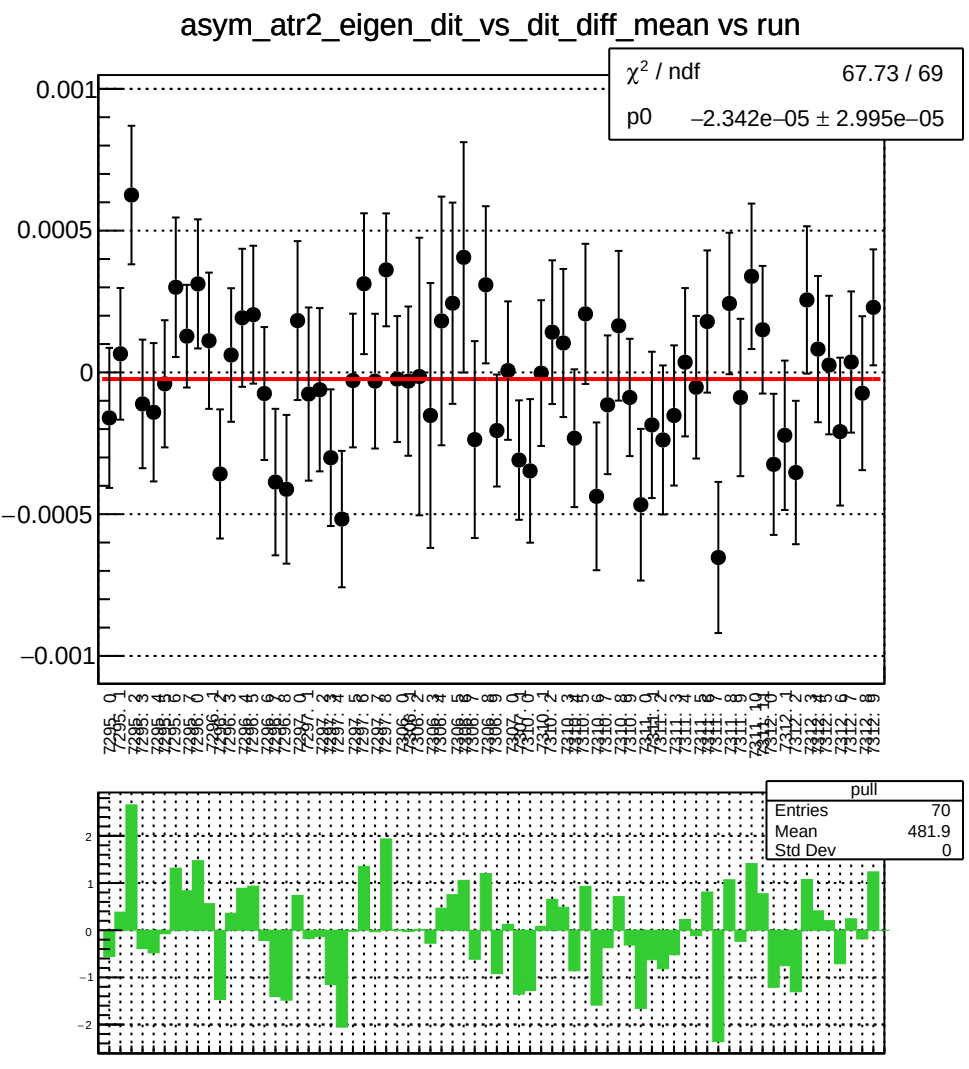

pull1D
Entries 70
Mean −0.02827
Std Dev 1.002

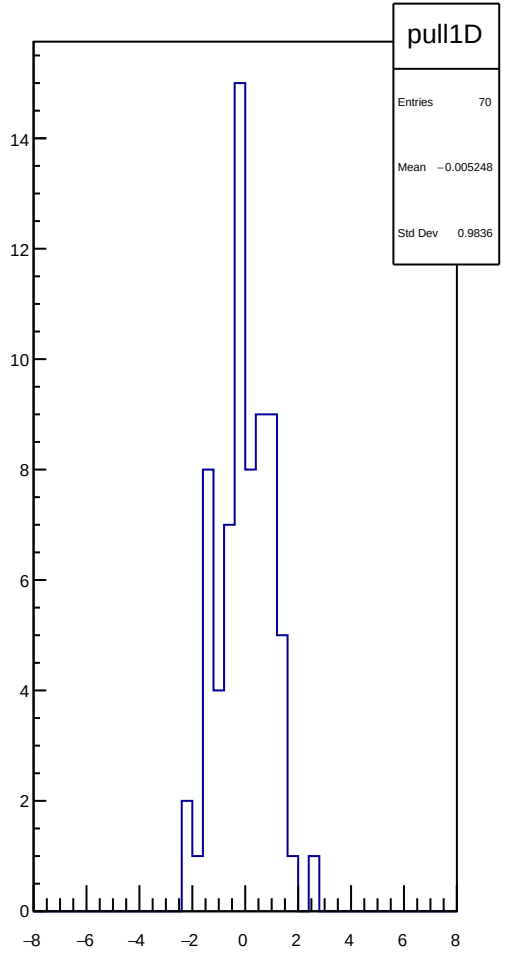

asym_atr2_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.319e+05 / 69
p0 499 ± 0.5022
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

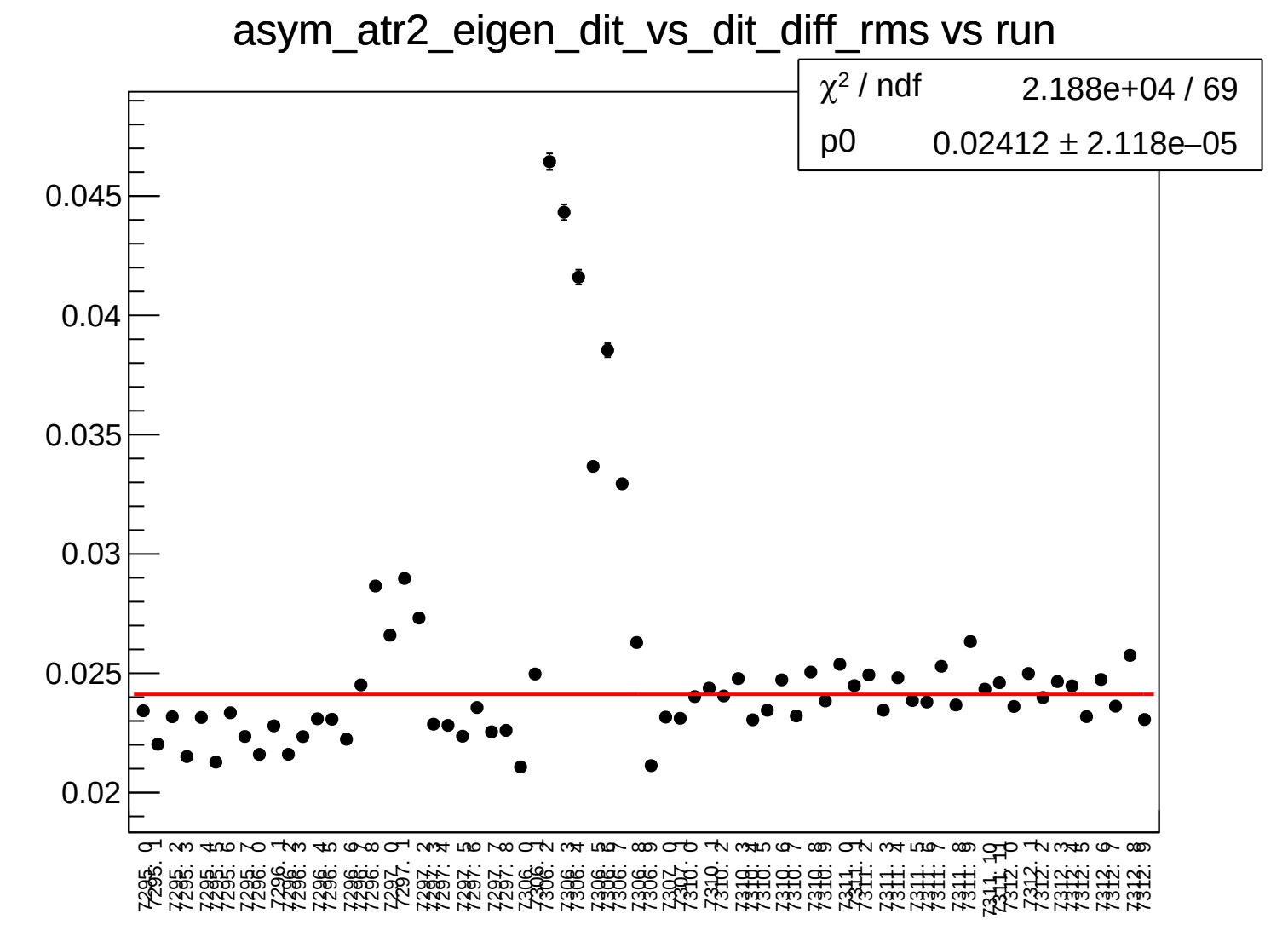

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.32 / 69
p0 0.1407 ± 0.7102
pull
Entries 70
Mean −3.289
Std Dev 0

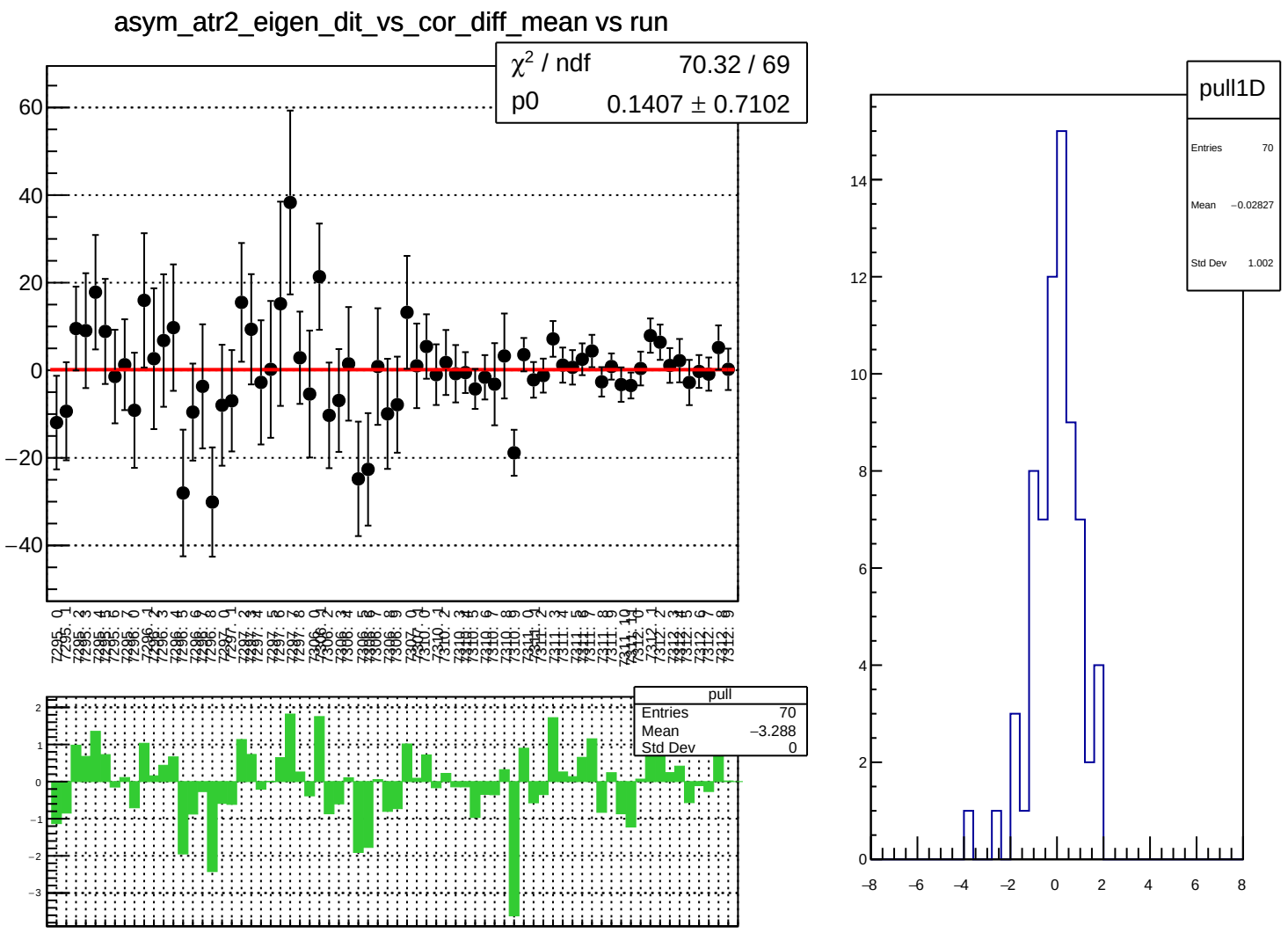

pull1D
Entries 70
Mean −0.02827
Std Dev 1.002

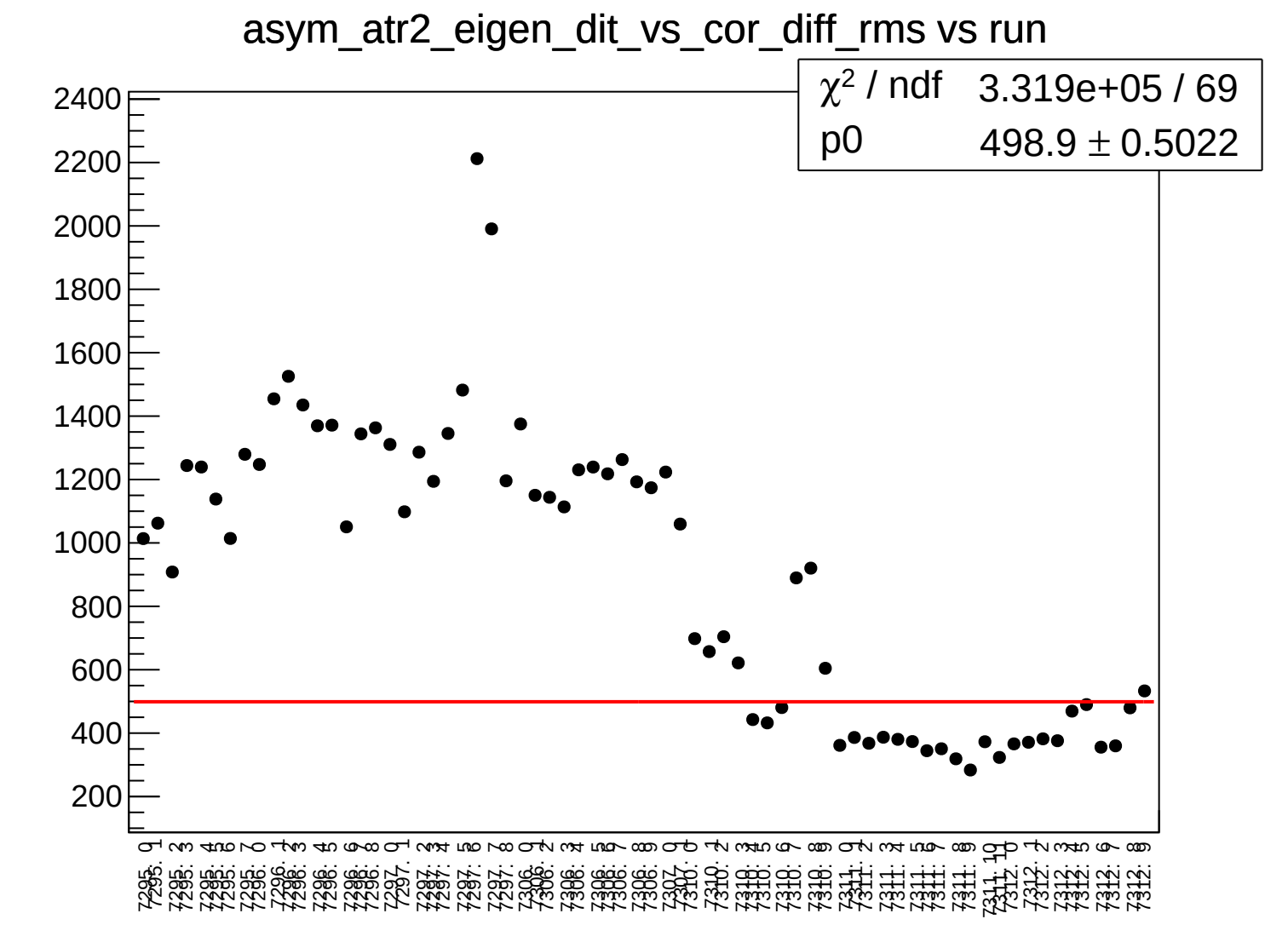

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.319e+05 / 69
p0 499 ± 0.5022
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

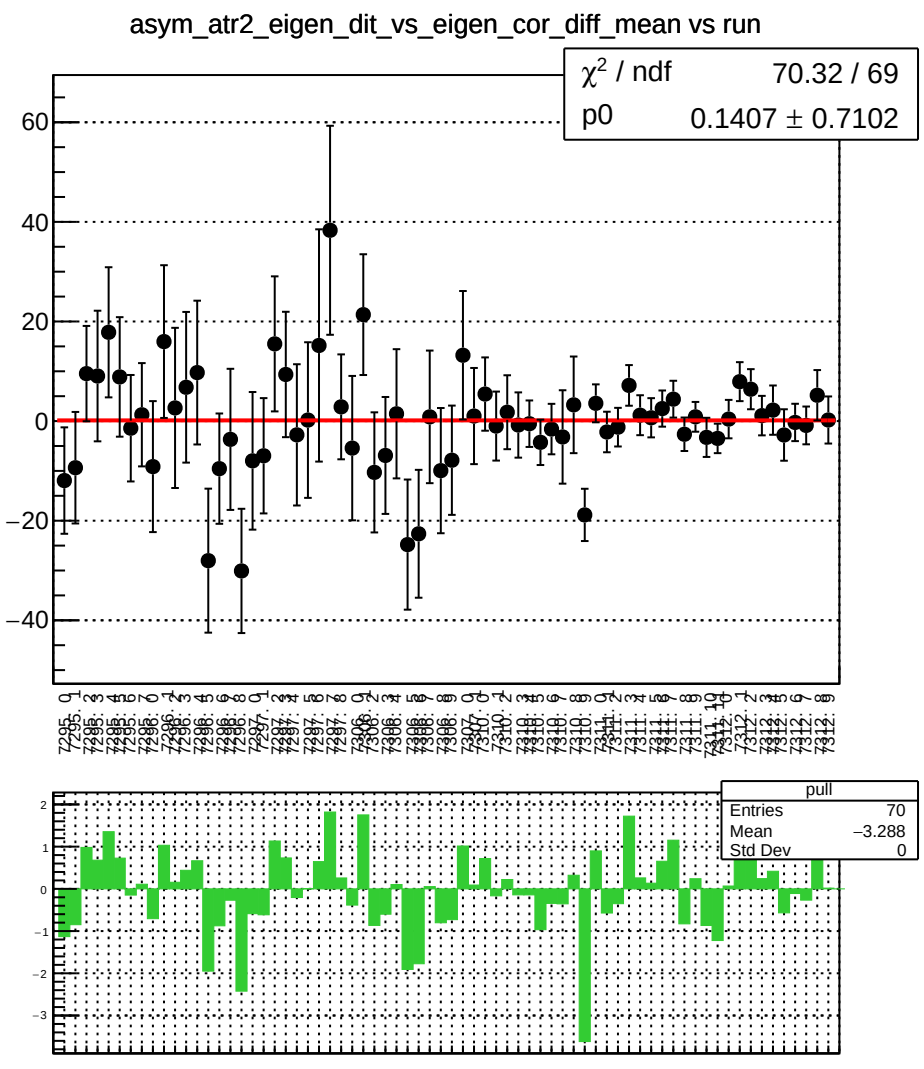

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 67.73 / 69
p0 −2.342e−05 ± 2.995e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 481.9
Std Dev 0

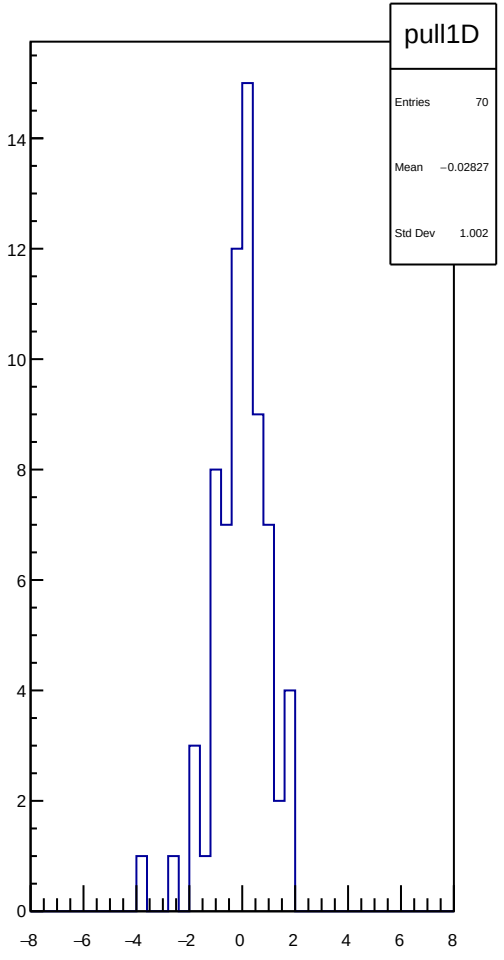

pull1D
Entries 70
Mean −0.005248
Std Dev 0.9836

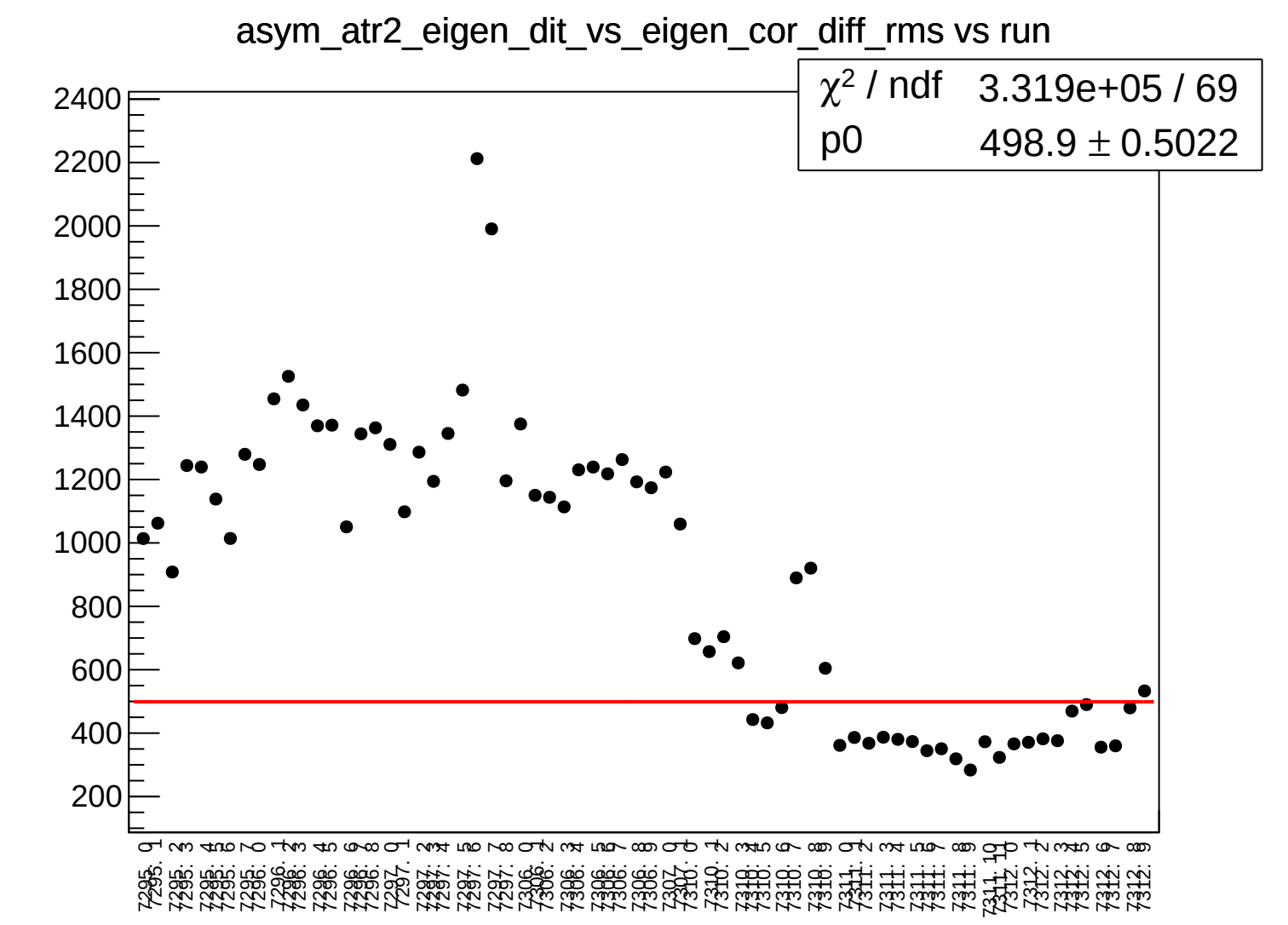

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.188e+04 / 69
p0 0.02412 ± 2.118e–05
0.045
0.04
0.035
0.03
0.025
0.02

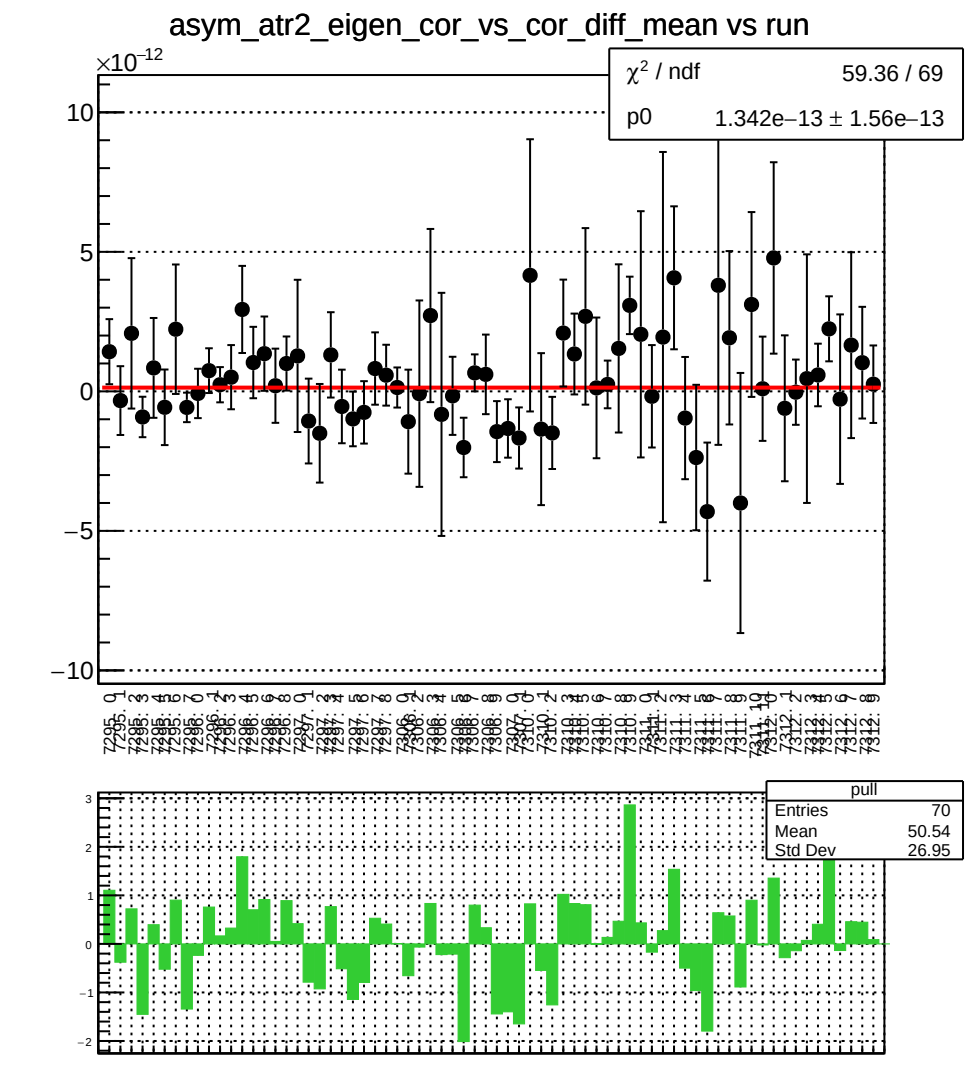

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.32 / 69
p0 0.1407 ± 0.7102
pull
Entries 70
Mean −3.288
Std Dev 0
pull1D
Entries 70
Mean −0.02827
Std Dev 1.002

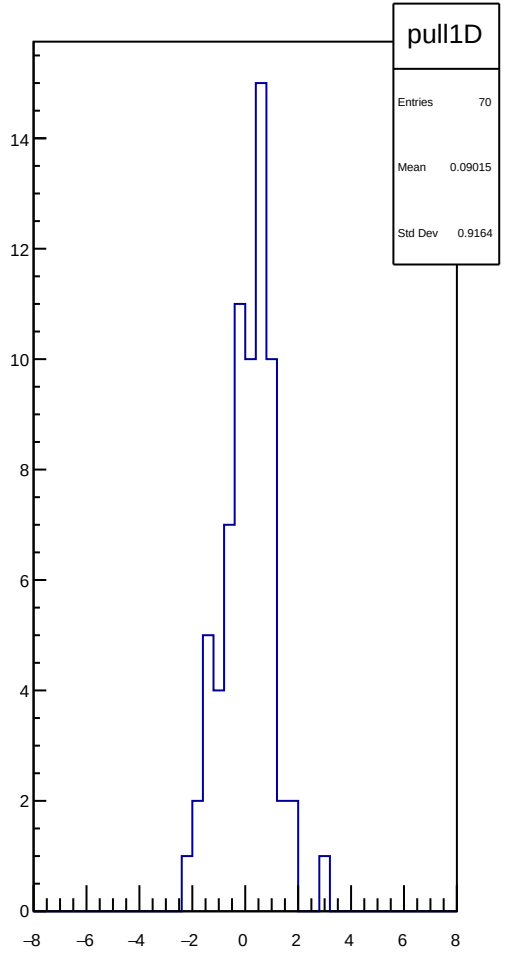

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.319e+05 / 69
p0 498.9 ± 0.5022
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

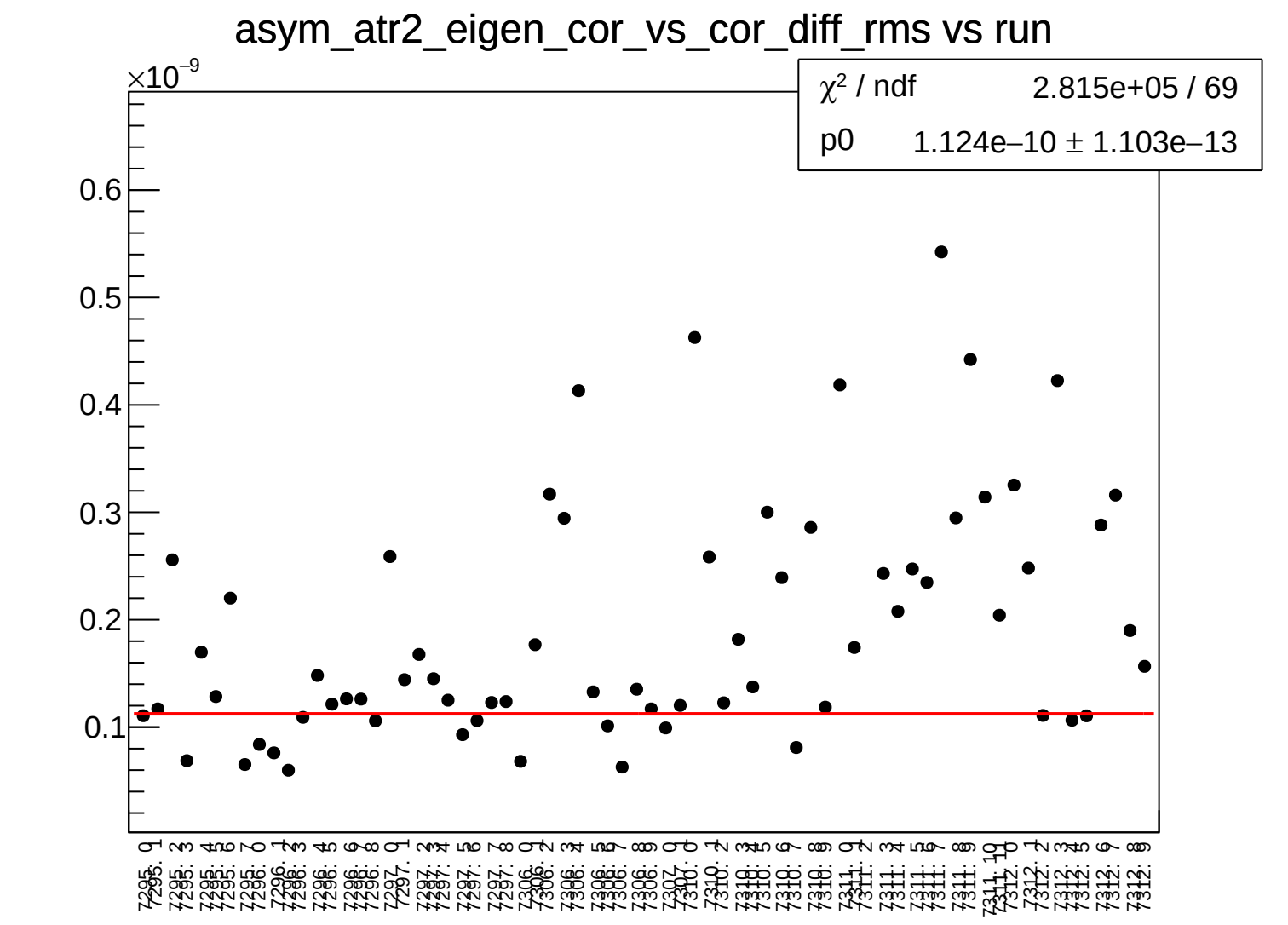

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.32 / 69
p0 0.1407 ± 0.7102
pull
Entries 70
Mean −3.288
Std Dev 0

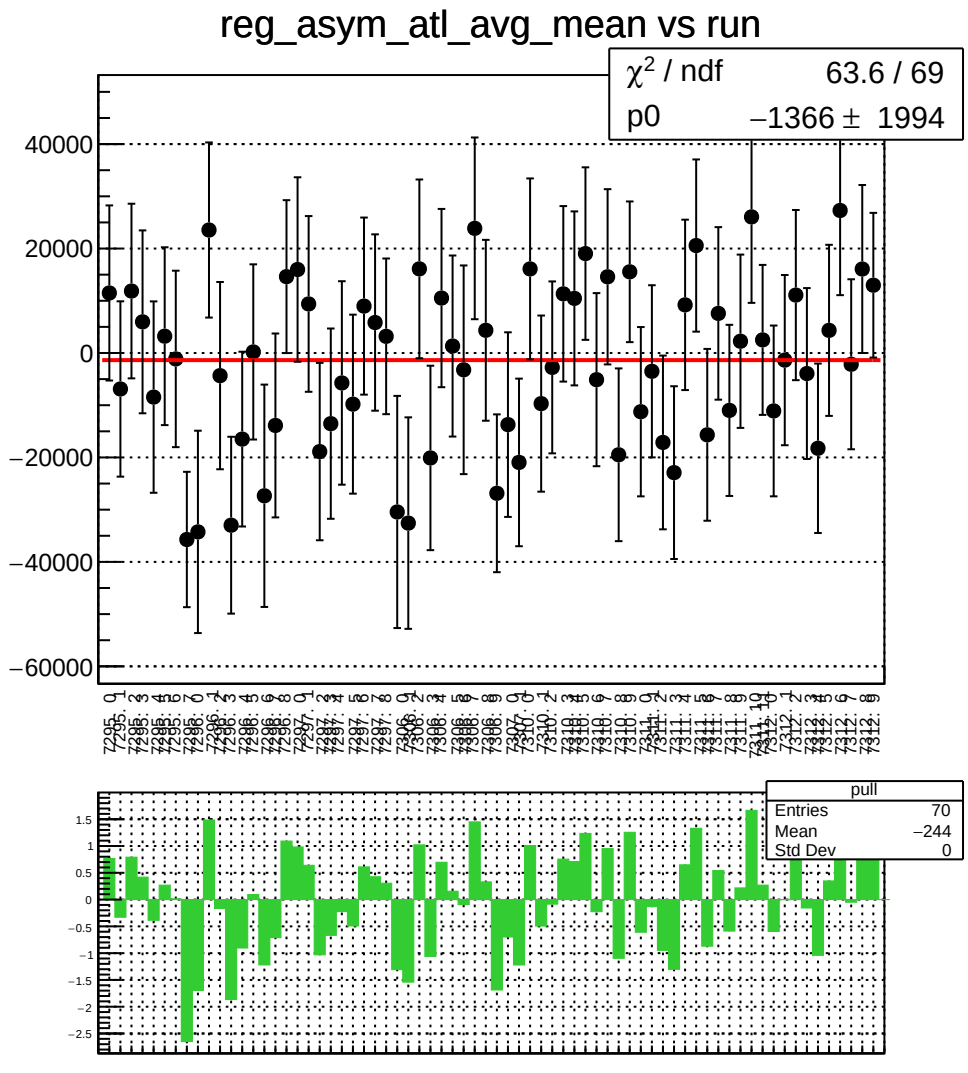

pull1D
Entries 70
Mean −0.02827
Std Dev 1.002

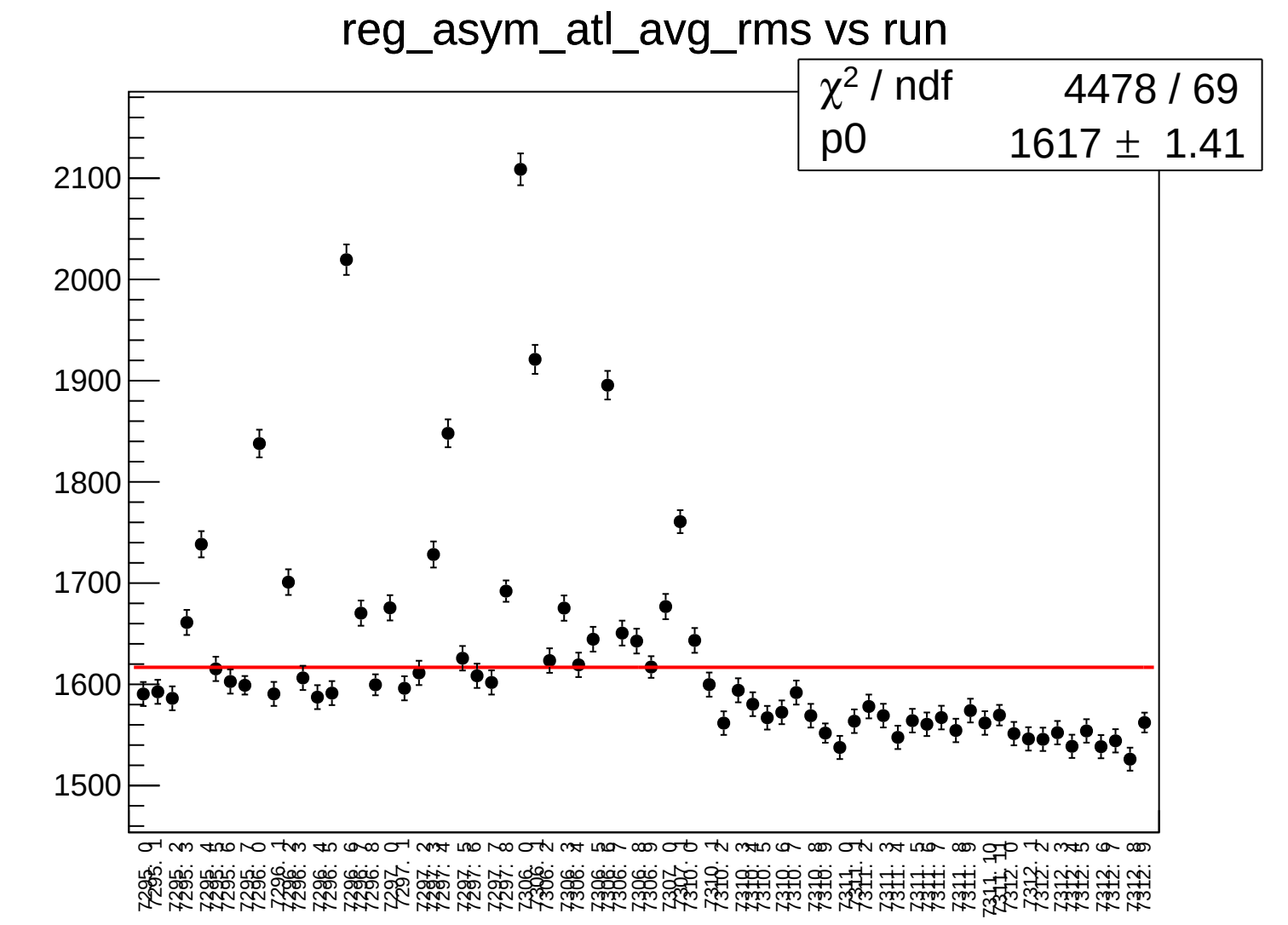

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.319e+05 / 69
p0 498.9 ± 0.5022
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

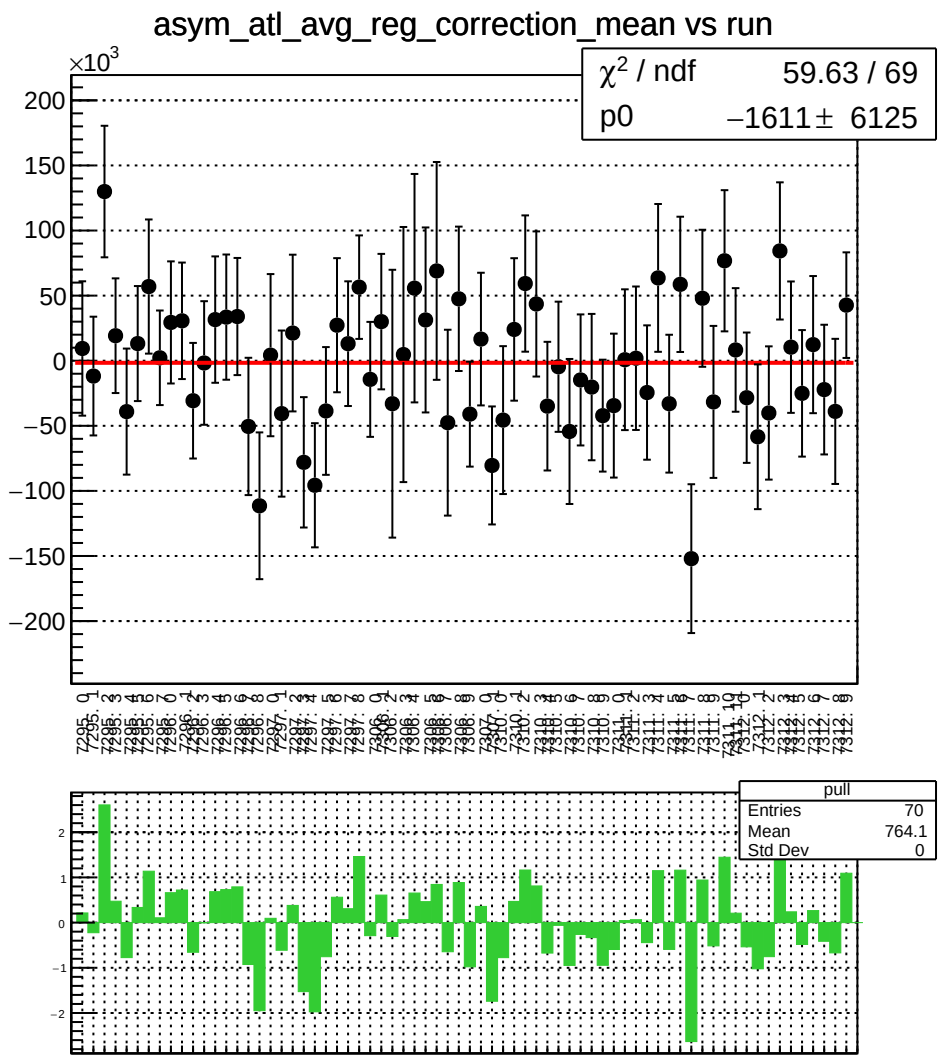

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.36 / 69
p0 1.342e−13 ± 1.56e−13
pull
Entries 70
Mean 50.54
Std Dev 26.95

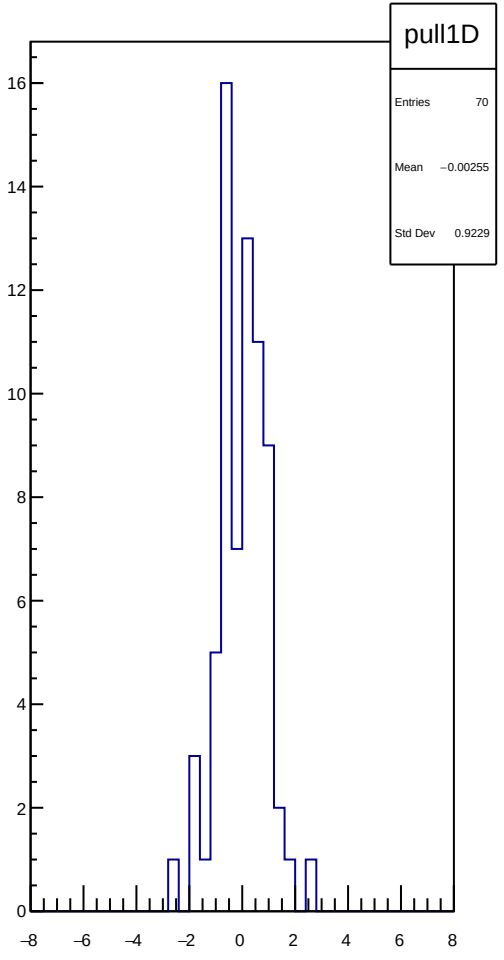

pull1D
Entries 70
Mean 0.09015
Std Dev 0.9164

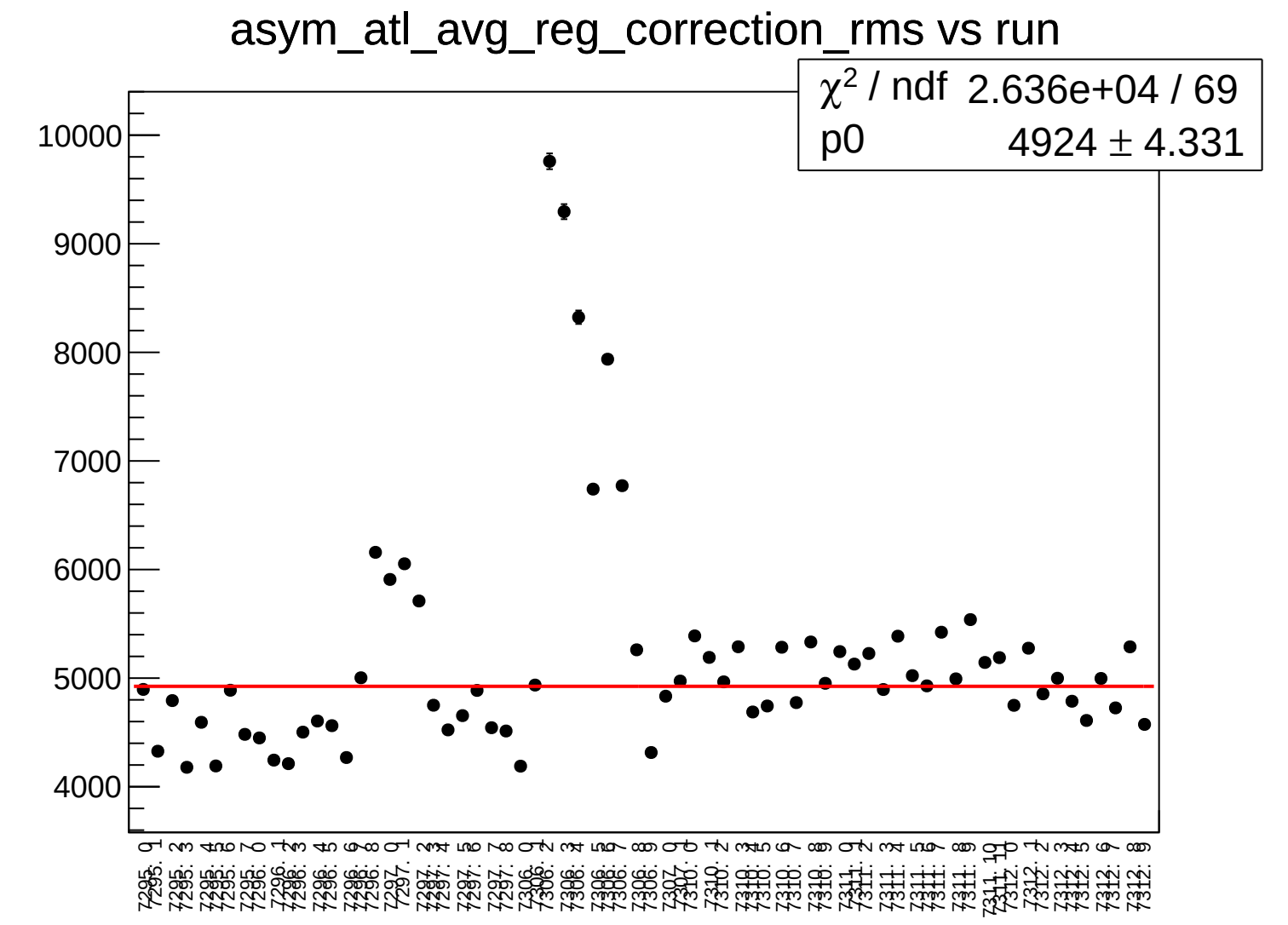

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.815e+05 / 69
p0 1.124e−10 ± 1.103e−13
0.6
0.5
0.4
0.3
0.2
0.1

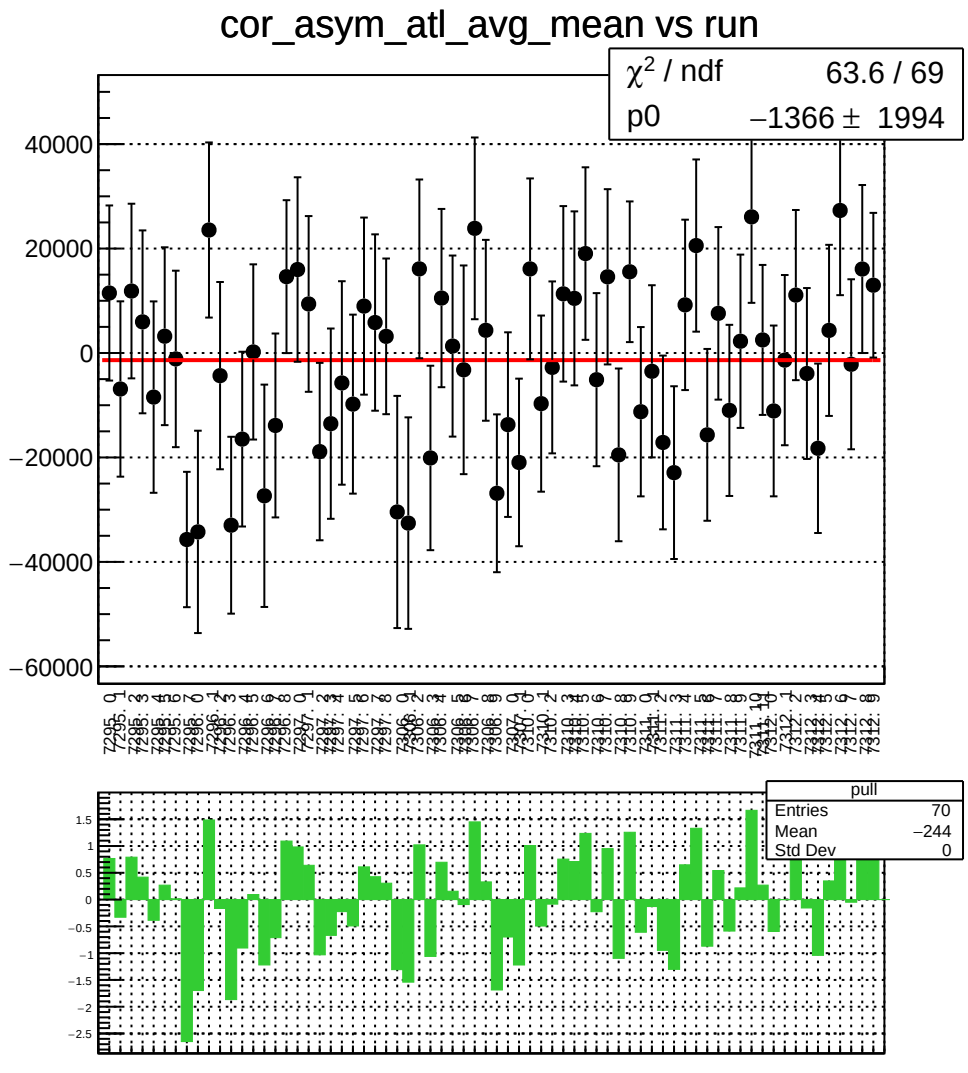

reg_asym_atl_avg_mean vs run
χ² / ndf 63.6 / 69
p0 −1366 ± 1994
pull
Entries 70
Mean −244
Std Dev 0
pull1D
Entries 70
Mean −0.01432
Std Dev 0.9531

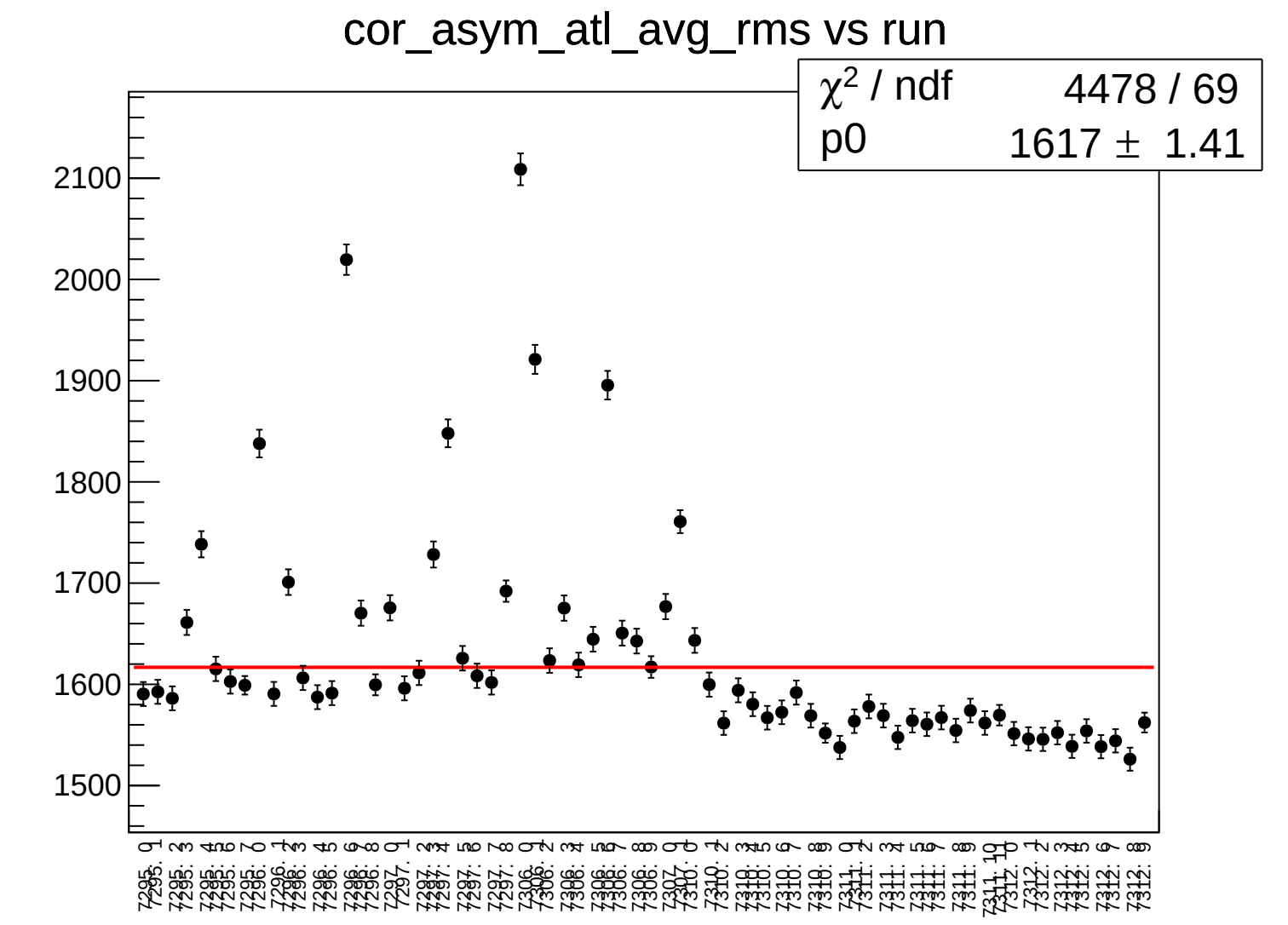

reg_asym_atl_avg_rms vs run
χ^2 / ndf 4478 / 69
p0 1617 ± 1.41
2100
2000
1900
1800
1700
1600
1500

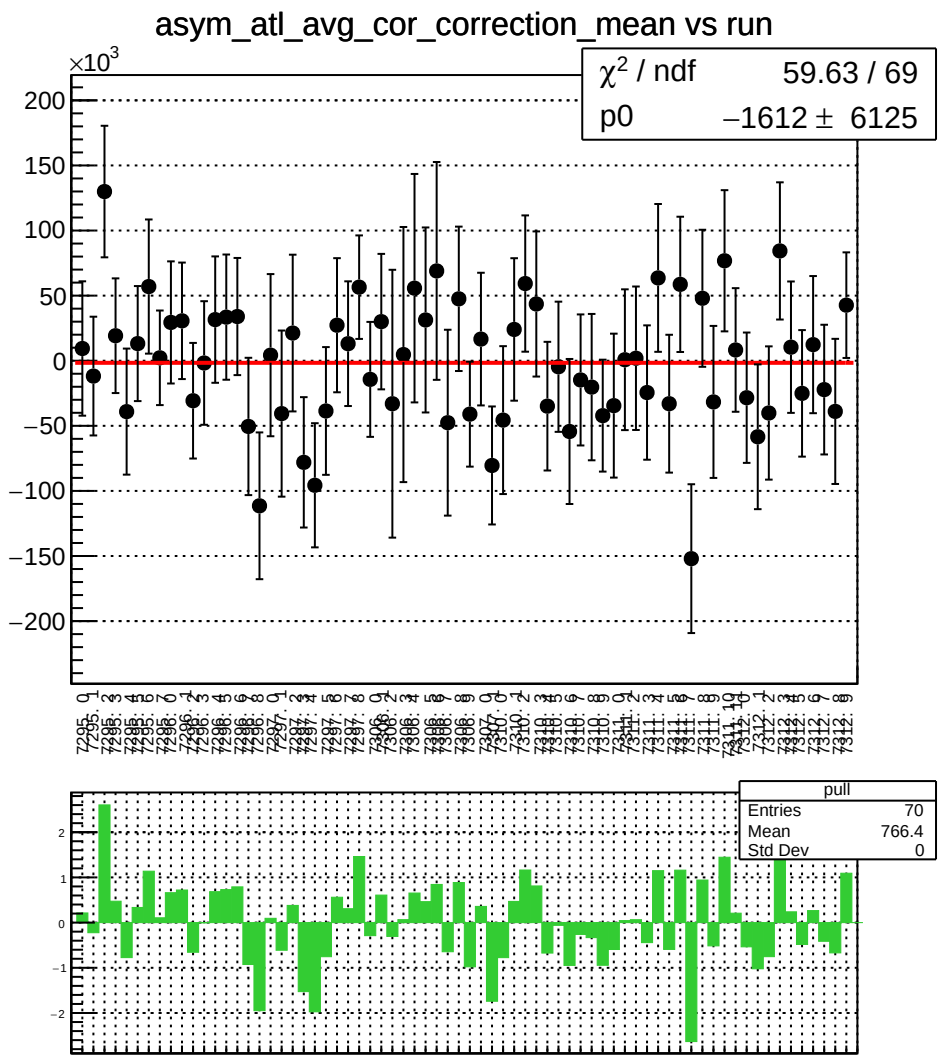

asym_atl_avg_reg_correction_mean vs run
χ² / ndf 59.63 / 69
p0 −1611 ± 6125
×10³
pull
Entries 70
Mean 764.1
Std Dev 0

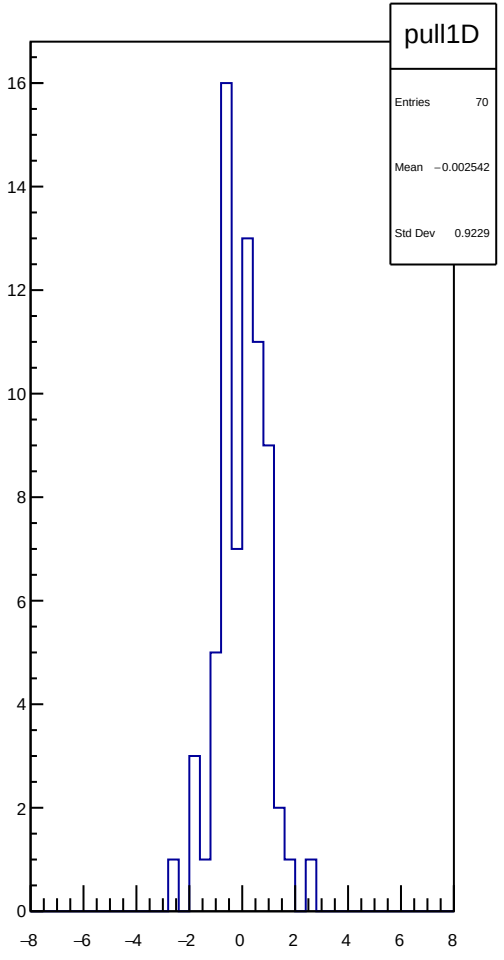

pull1D
Entries 70
Mean −0.00255
Std Dev 0.9229

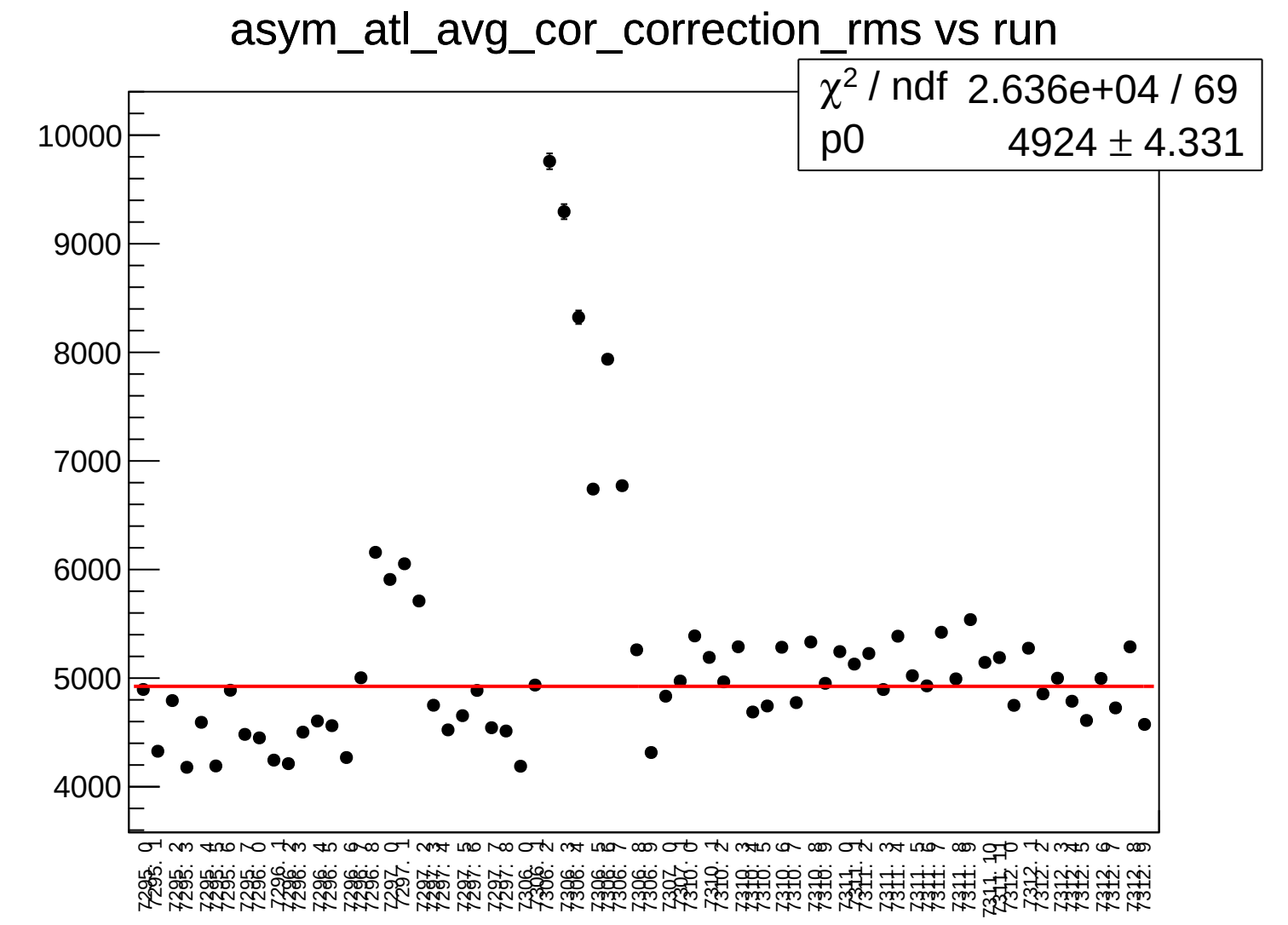

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 2.636e+04 / 69
p0 4924 ± 4.331
10000
9000
8000
7000
6000
5000
4000

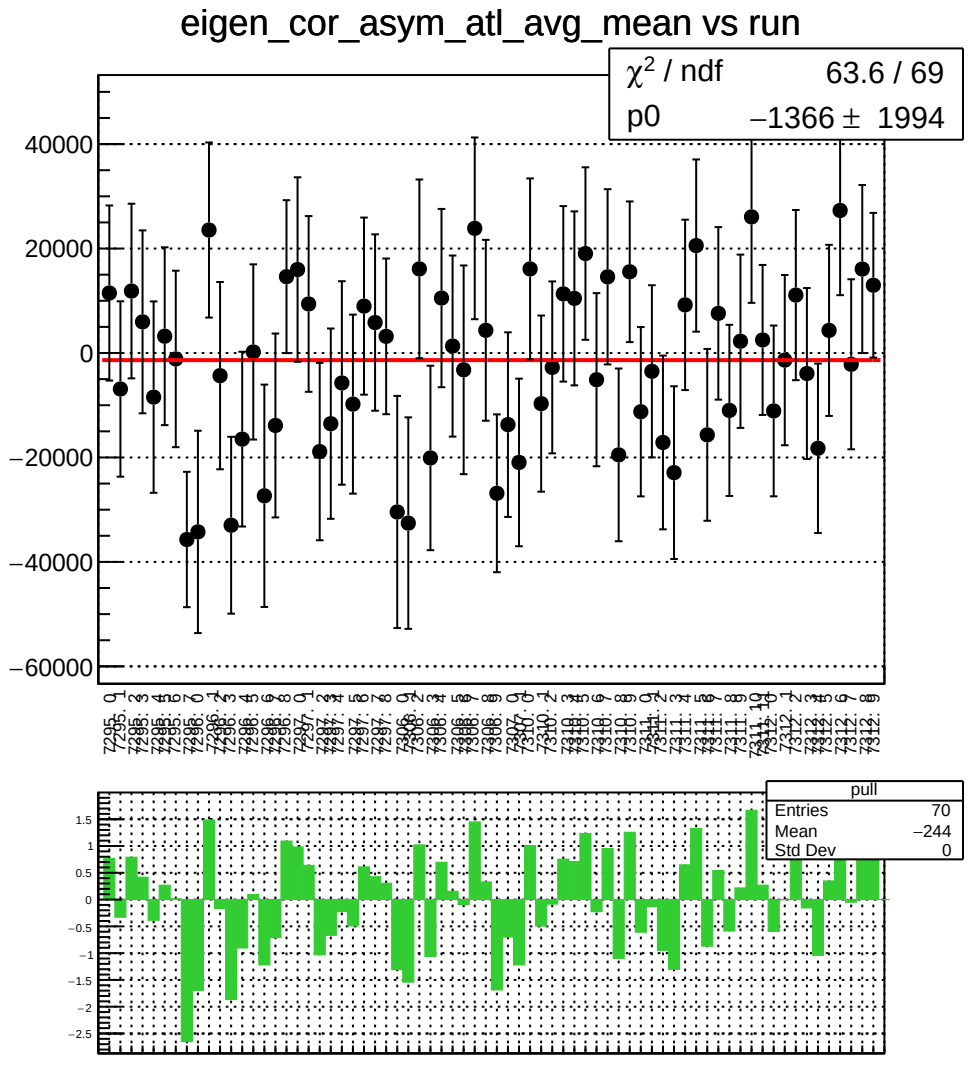

cor_asym_atl_avg_mean vs run
χ² / ndf 63.6 / 69
p0 −1366 ± 1994
pull
Entries 70
Mean −244
Std Dev 0
pull1D
Entries 70
Mean −0.01432
Std Dev 0.9531

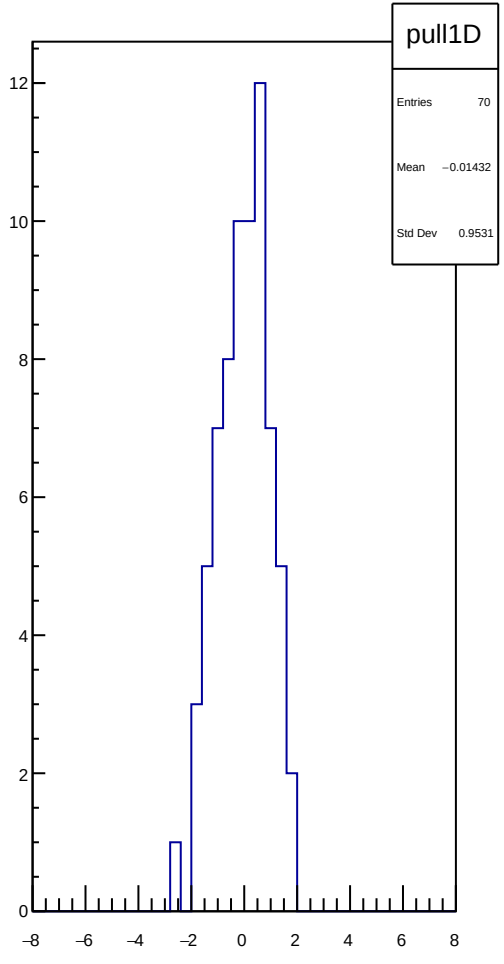

cor_asym_atl_avg_rms vs run
χ^2 / ndf 4478 / 69
p0 1617 ± 1.41
2100
2000
1900
1800
1700
1600
1500

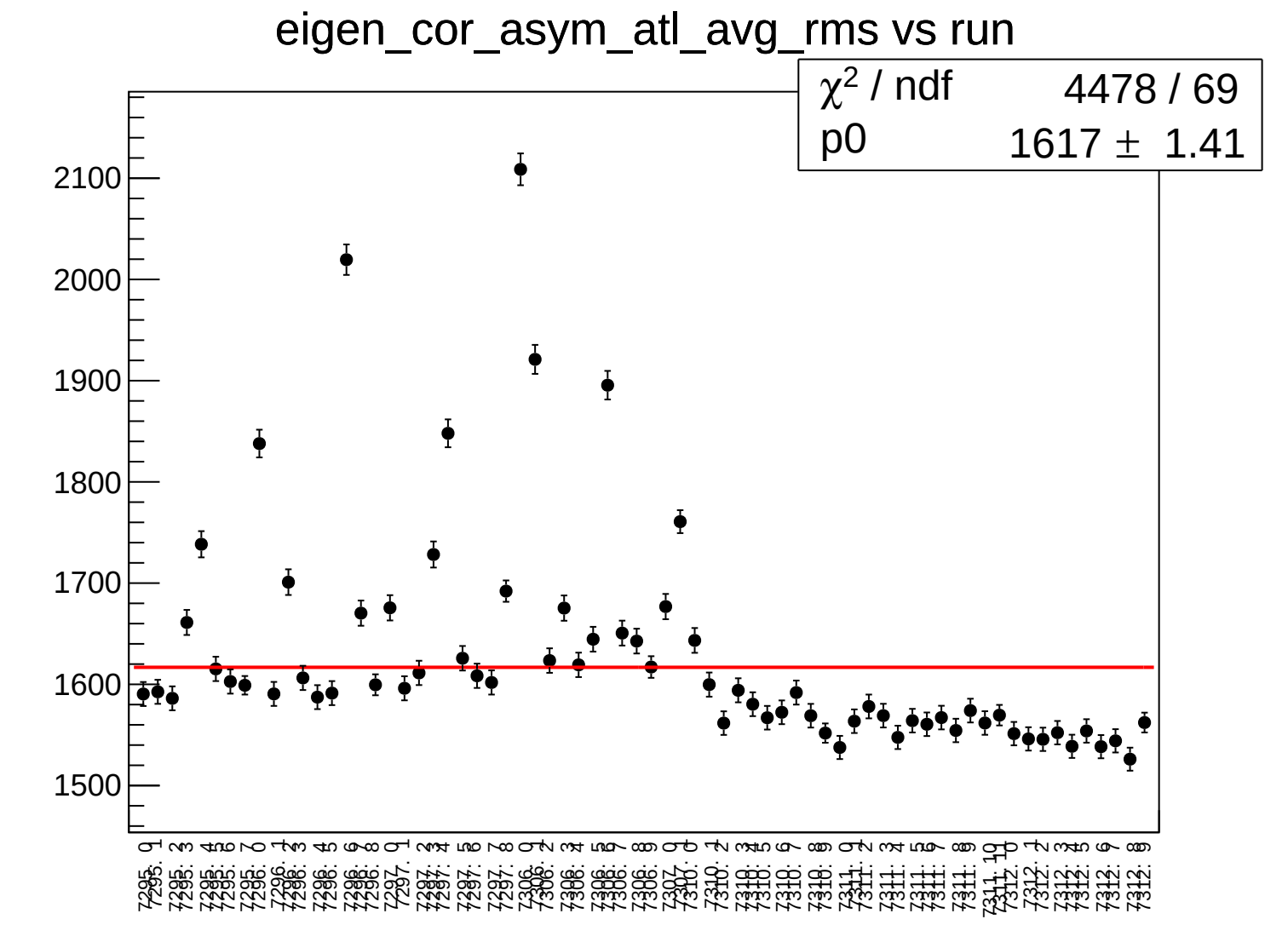

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.63 / 69
p0 −1612 ± 6125
pull
Entries 70
Mean 766.4
Std Dev 0

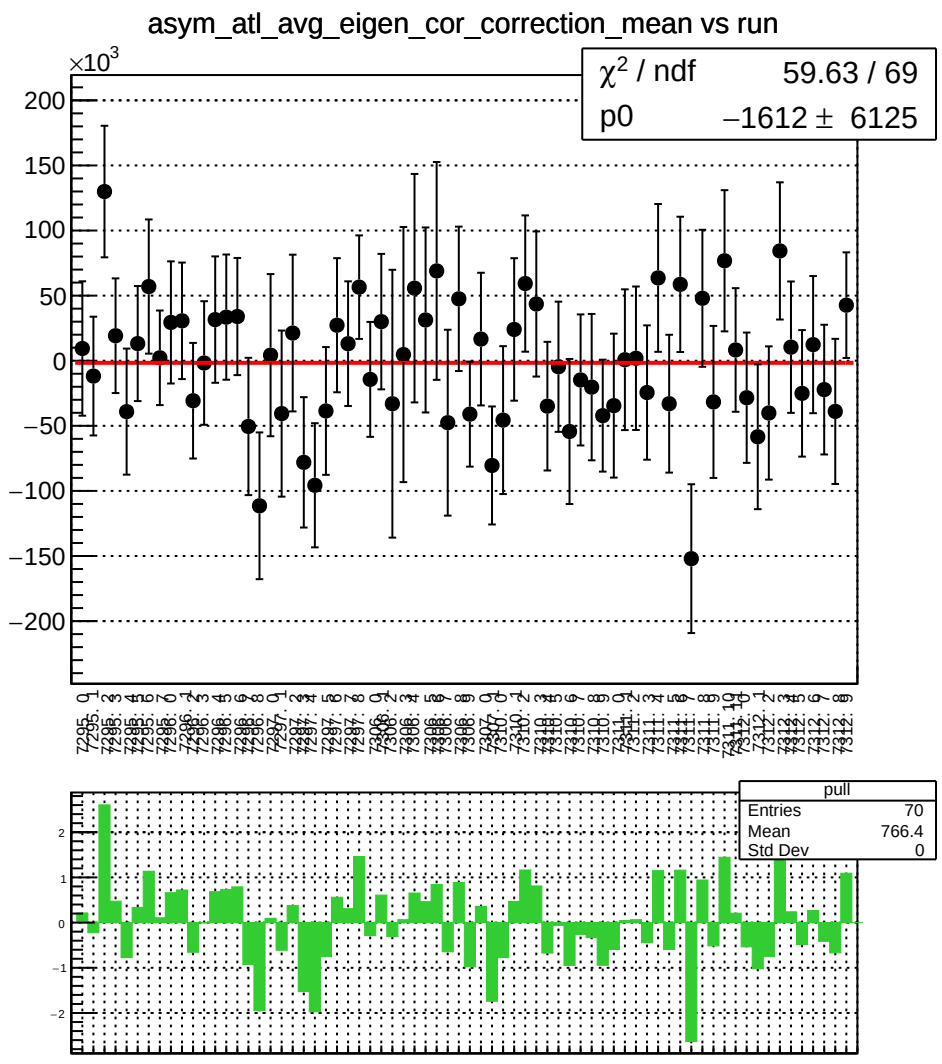

pull1D
Entries 70
Mean −0.002542
Std Dev 0.9229

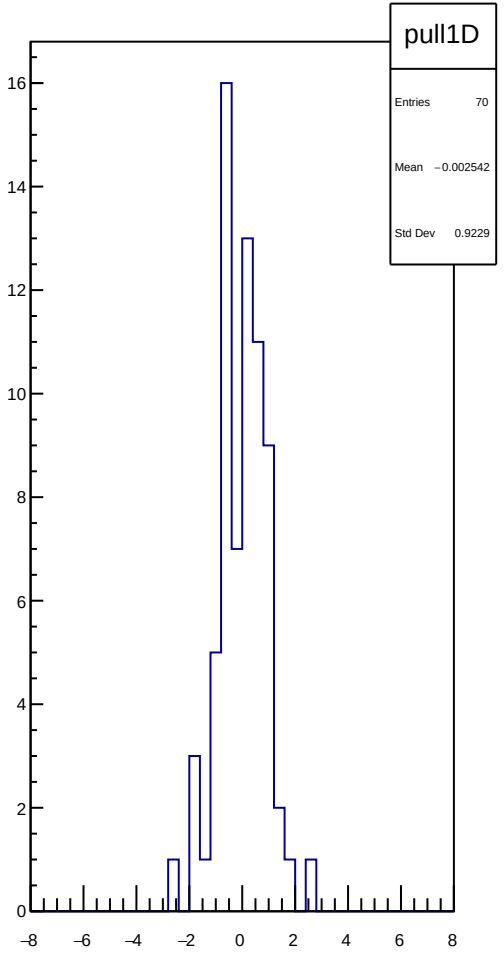

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2.636e+04 / 69
p0 4924 ± 4.331
10000
9000
8000
7000
6000
5000
4000

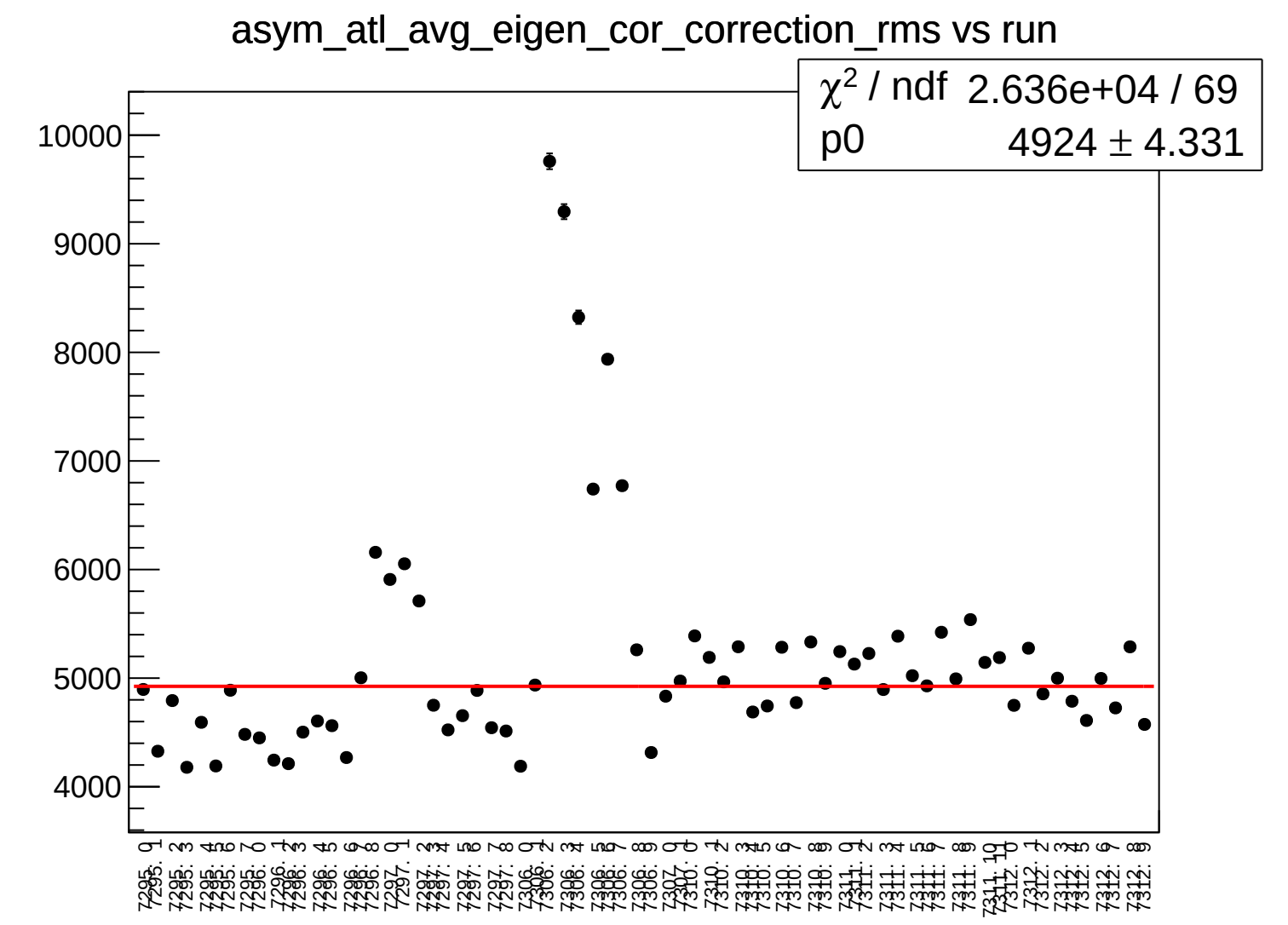

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 63.6 / 69
p0 −1366 ± 1994
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −244
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

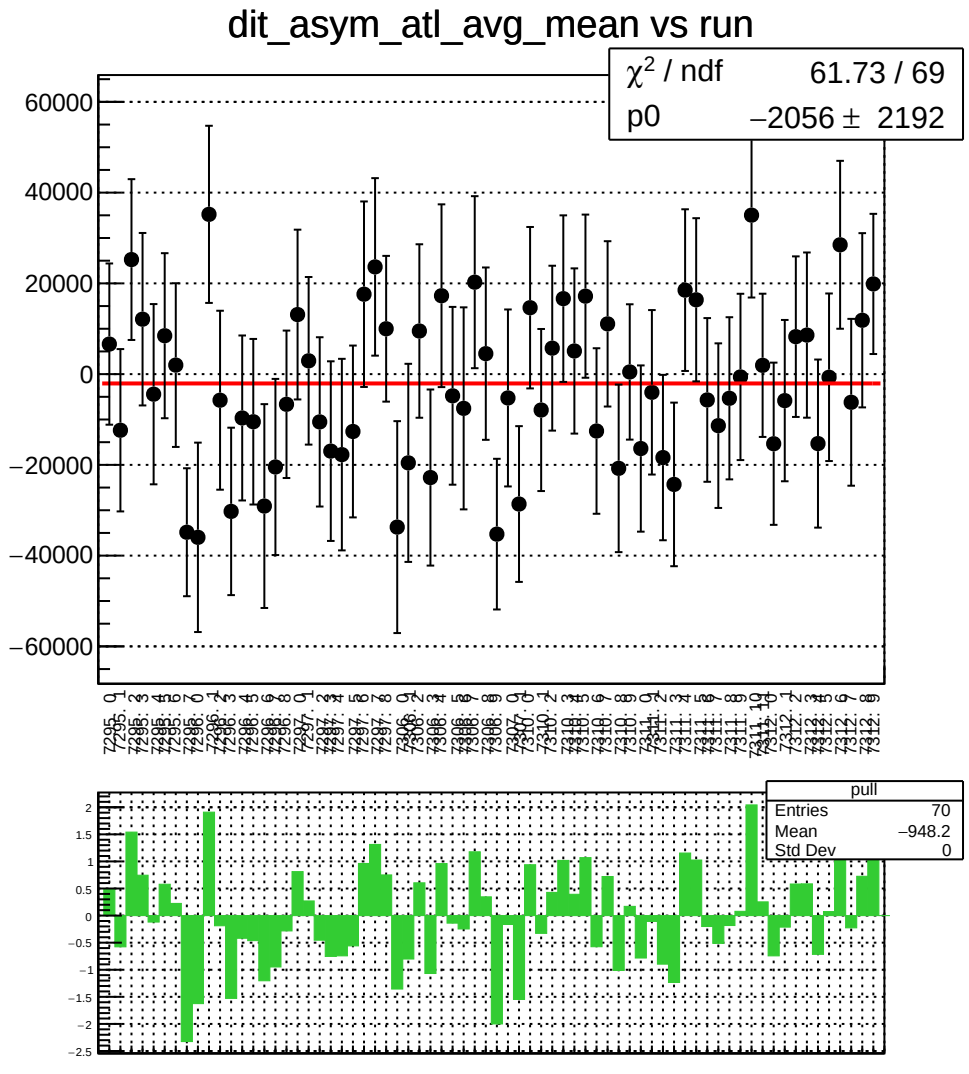

pull1D
Entries 70
Mean −0.01432
Std Dev 0.9531
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

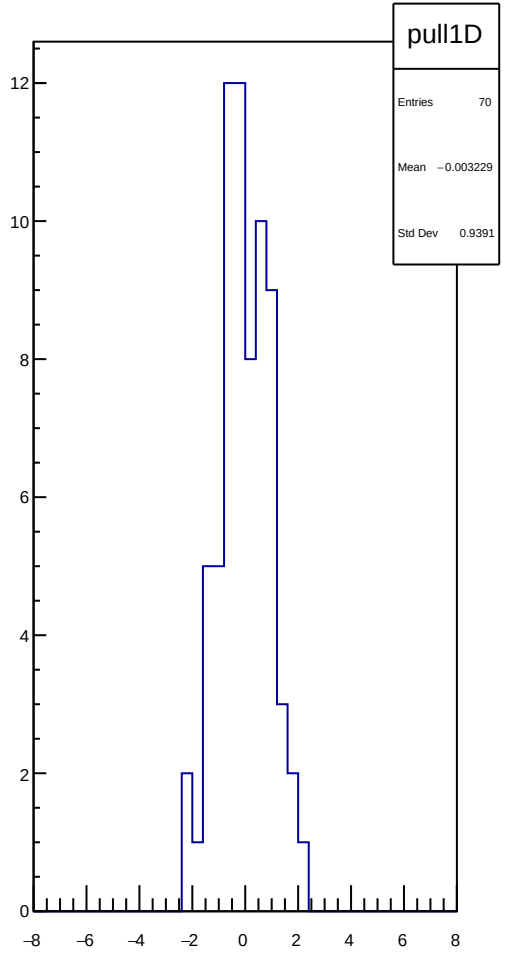

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 4478 / 69
p0 1617 ± 1.41
2100
2000
1900
1800
1700
1600
1500

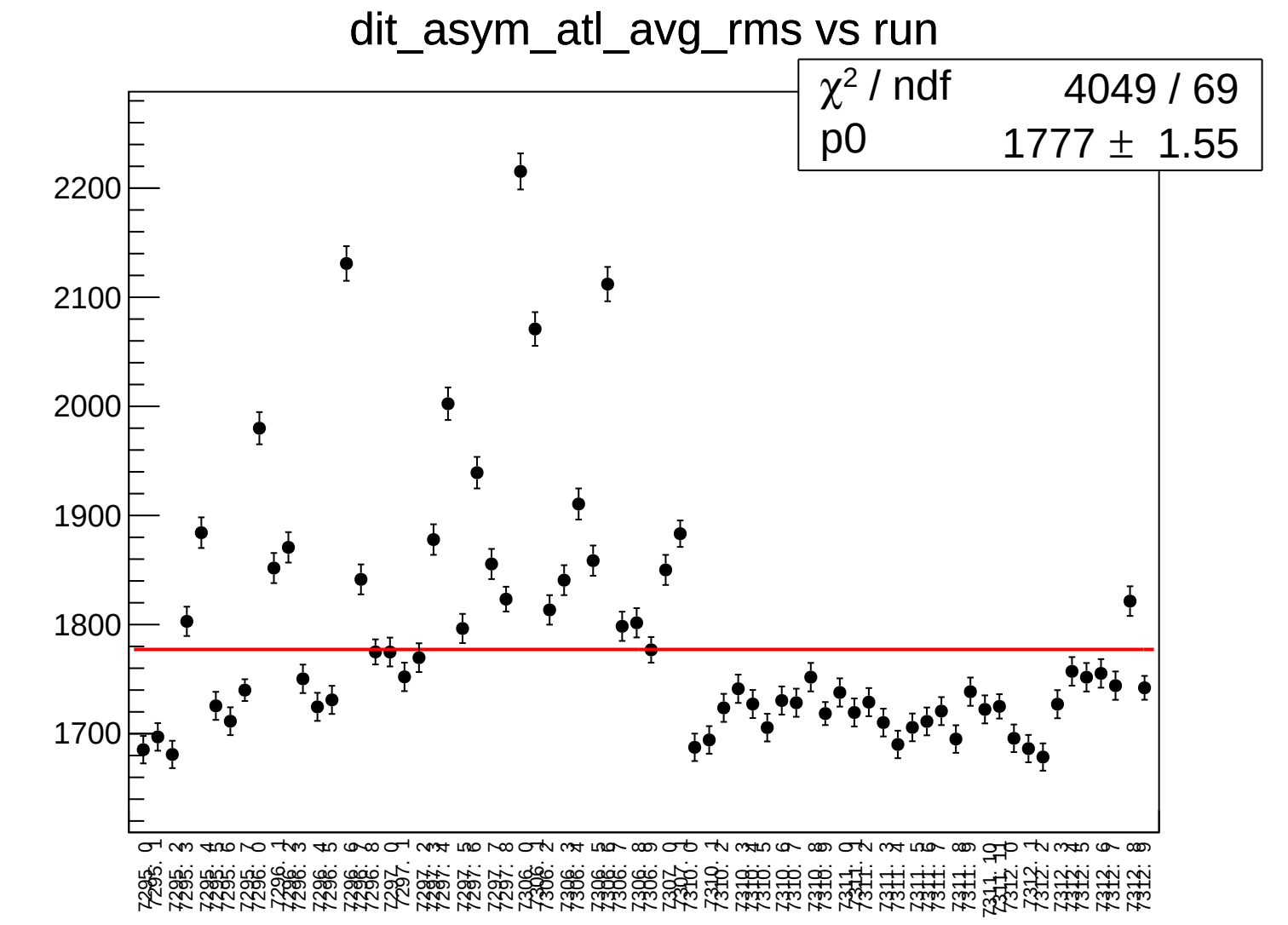

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.63 / 69
p0 −1612 ± 6125
pull
Entries 70
Mean 766.4
Std Dev 0

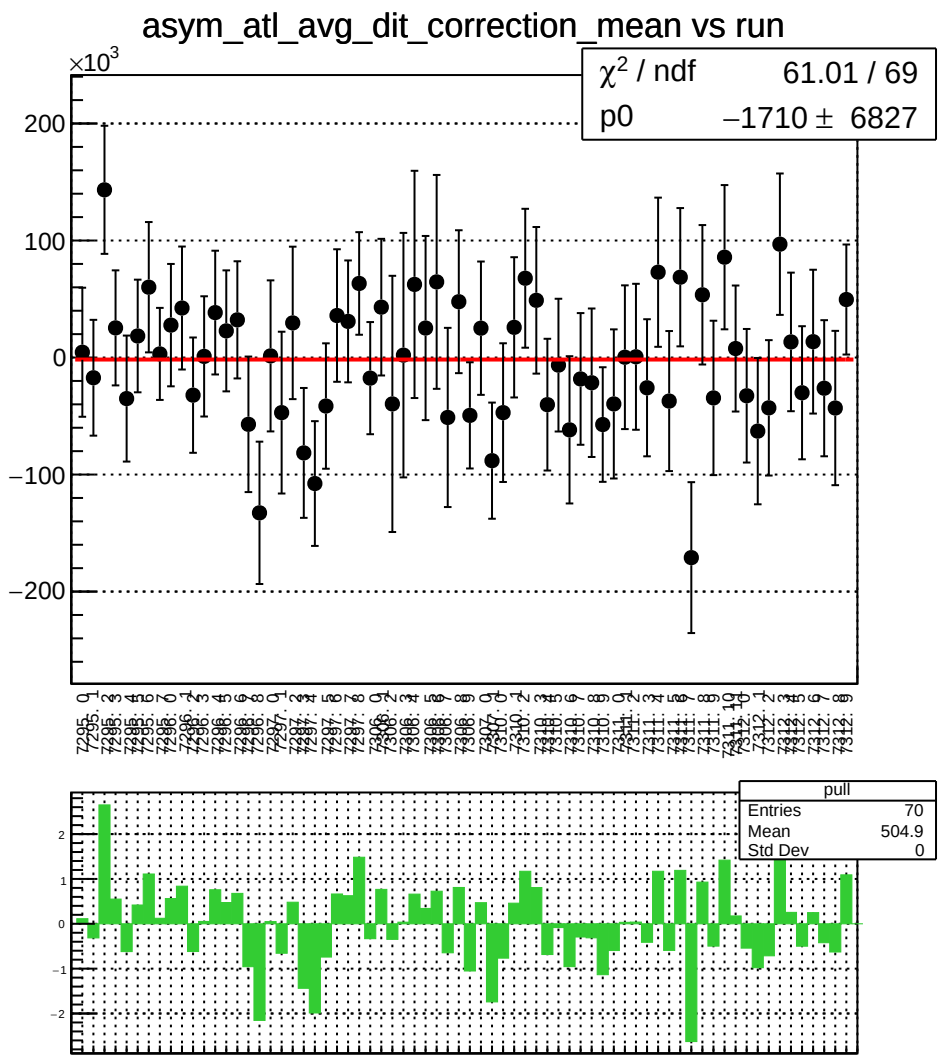

pull1D
Entries 70
Mean −0.002542
Std Dev 0.9229

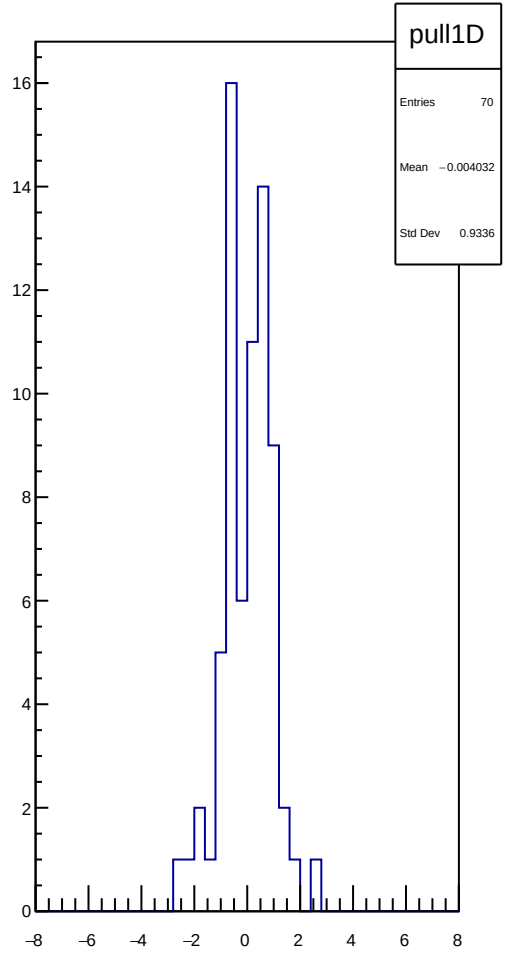

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.636e+04 / 69
p0 4924 ± 4.331
10000
9000
8000
7000
6000
5000
4000

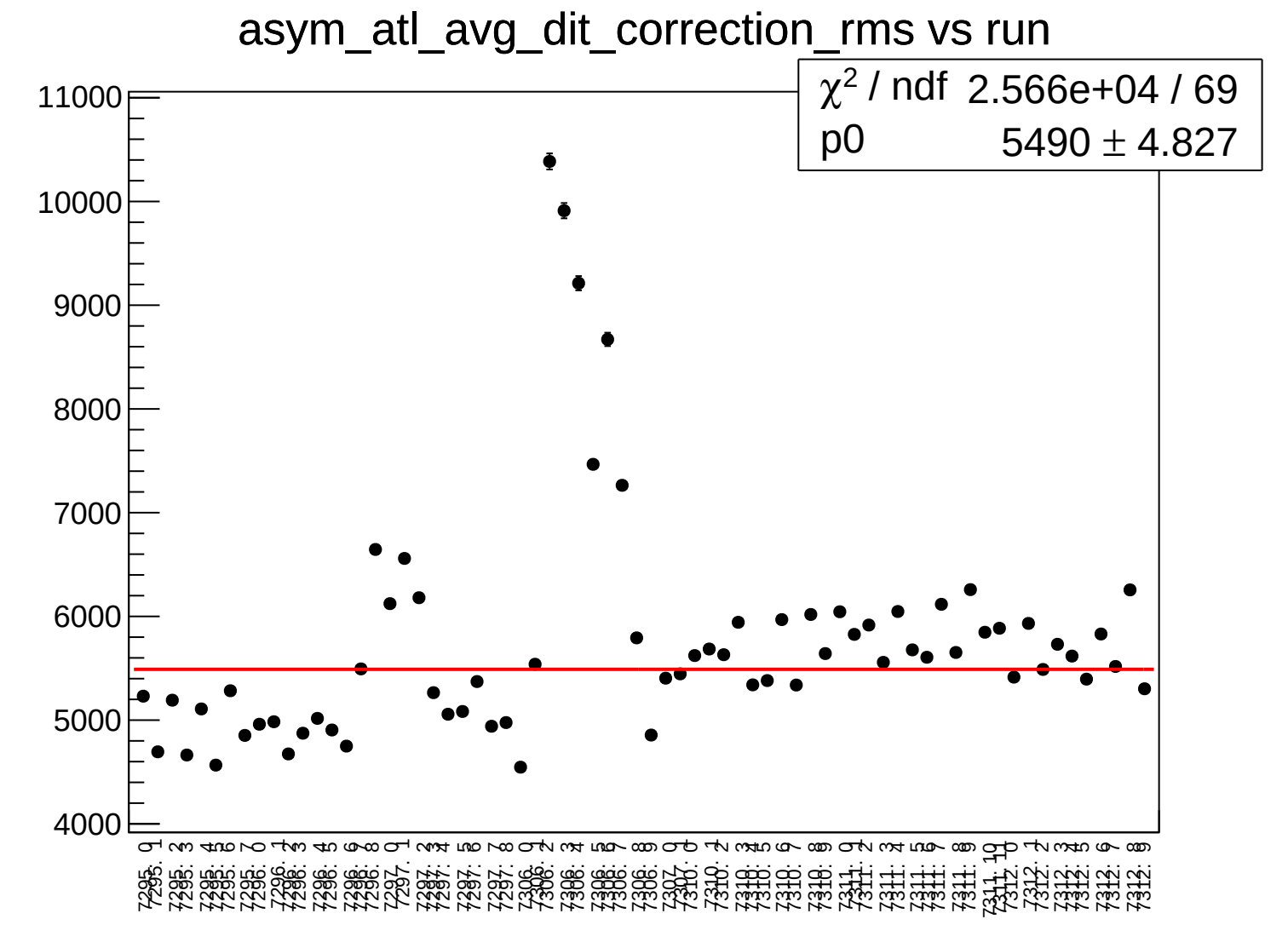

dit_asym_atl_avg_mean vs run
χ² / ndf 61.73 / 69
p0 −2056 ± 2192
pull
Entries 70
Mean −948.2
Std Dev 0

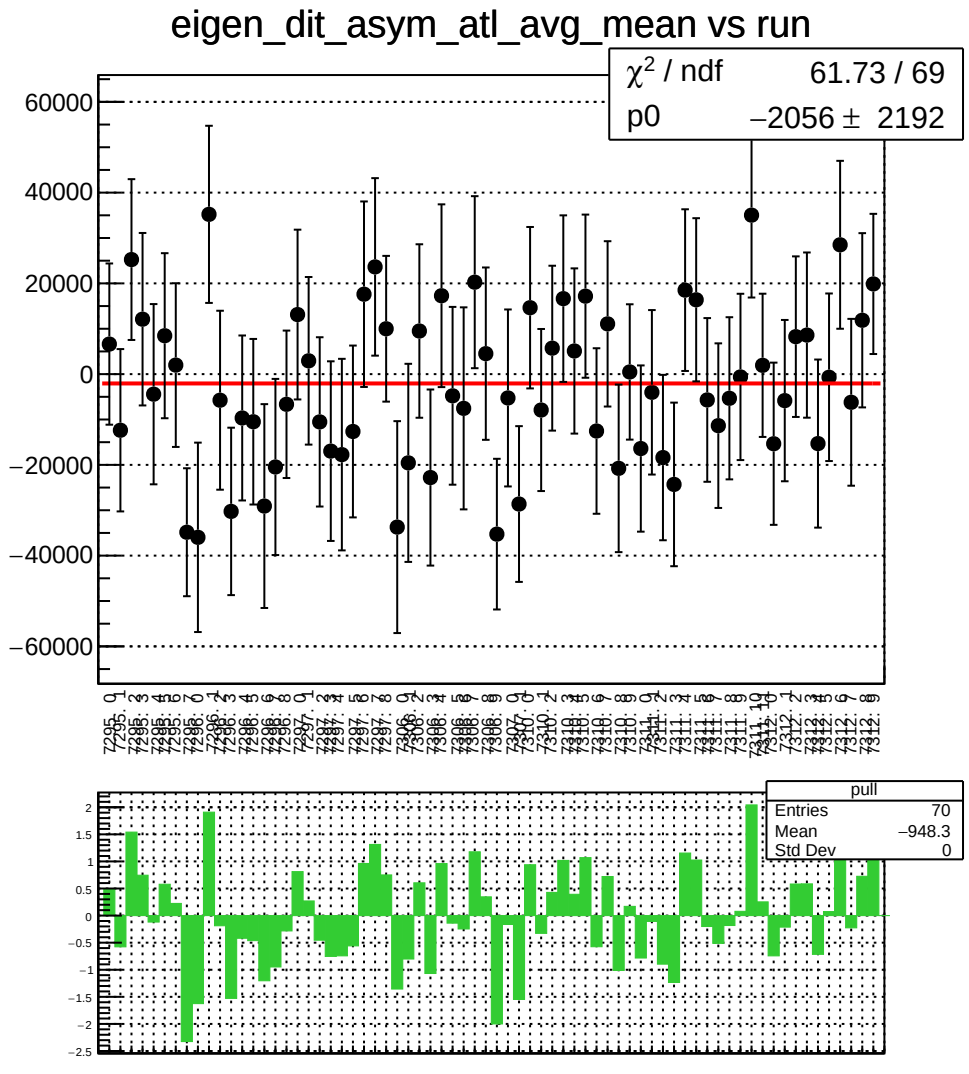

pull1D
Entries 70
Mean −0.003229
Std Dev 0.9391

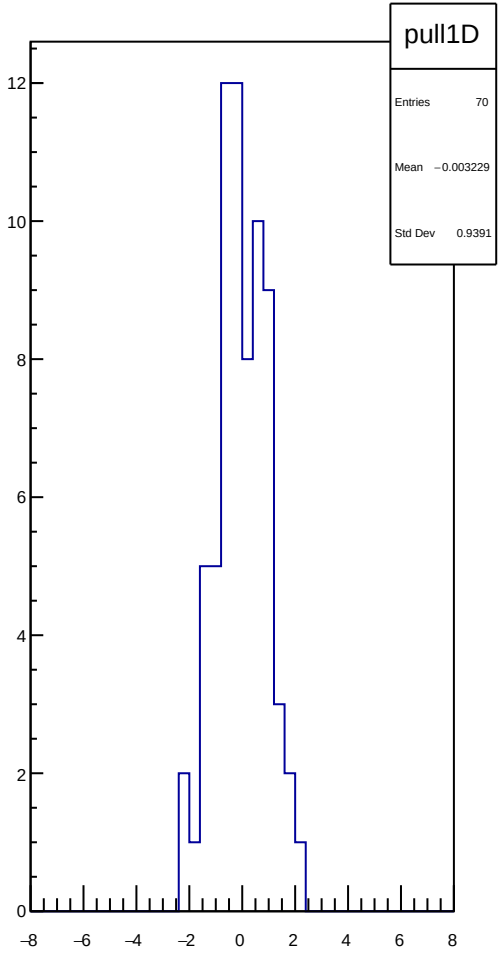

dit_asym_atl_avg_rms vs run
χ² / ndf 4049 / 69
p0 1777 ± 1.55
2200
2100
2000
1900
1800
1700

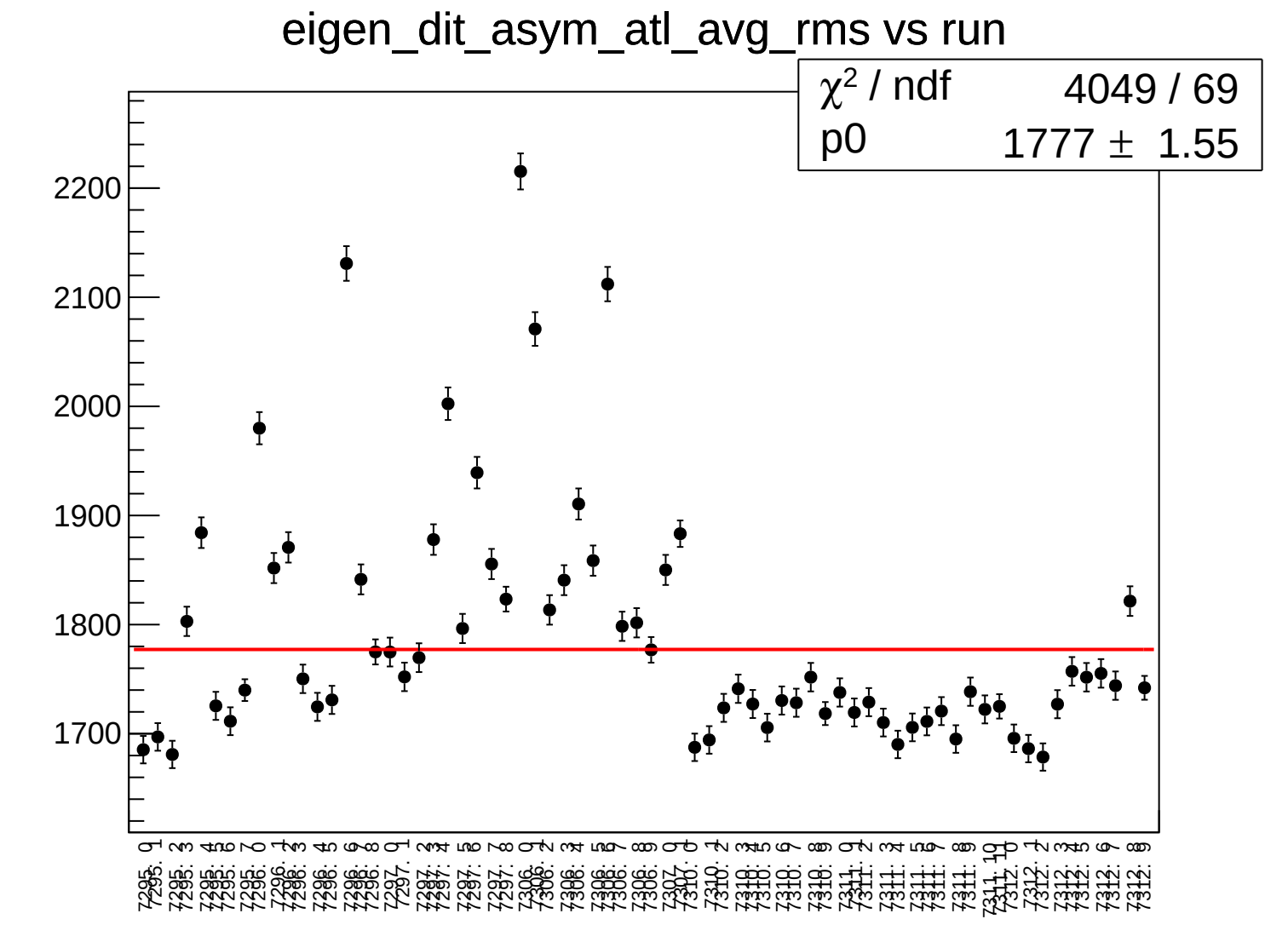

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 61.01 / 69
p0 −1710 ± 6827
200
100
0
−100
−200
pull
Entries 70
Mean 504.9
Std Dev 0
2
1
0
−1
−2

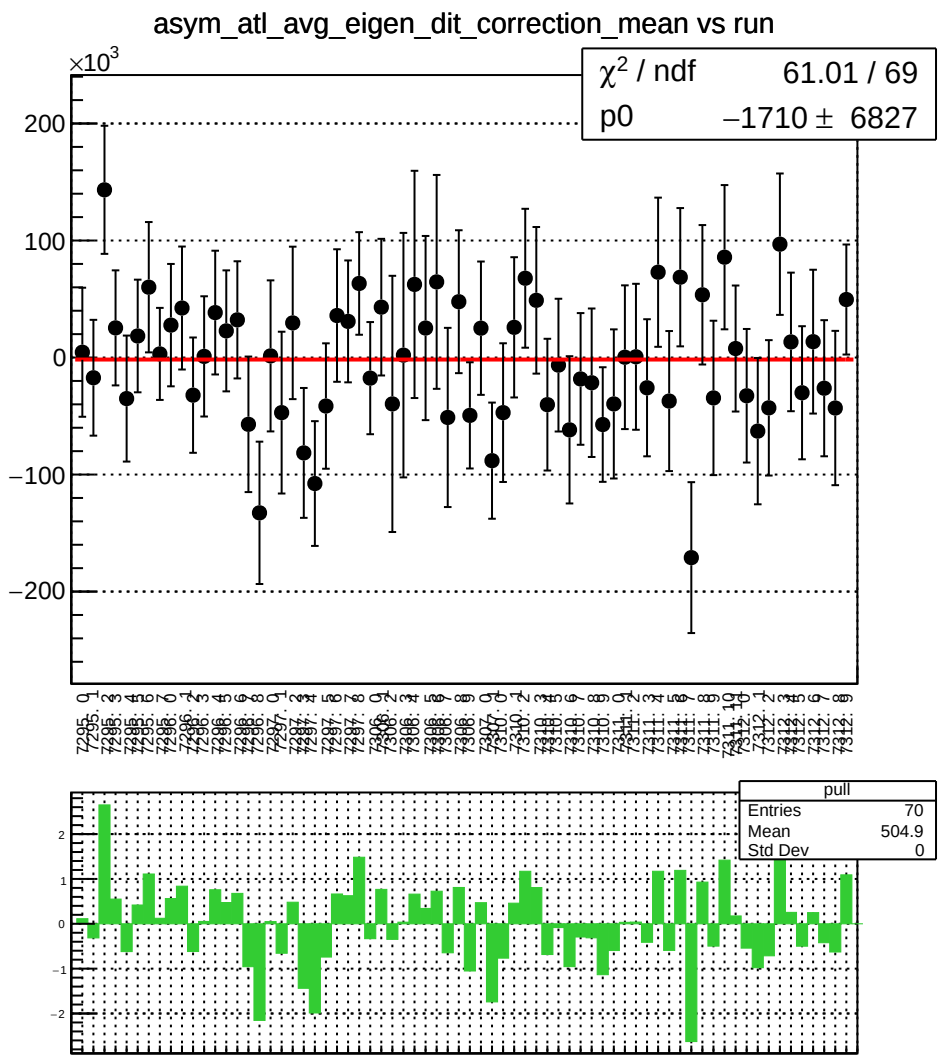

pull1D
Entries 70
Mean −0.004032
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

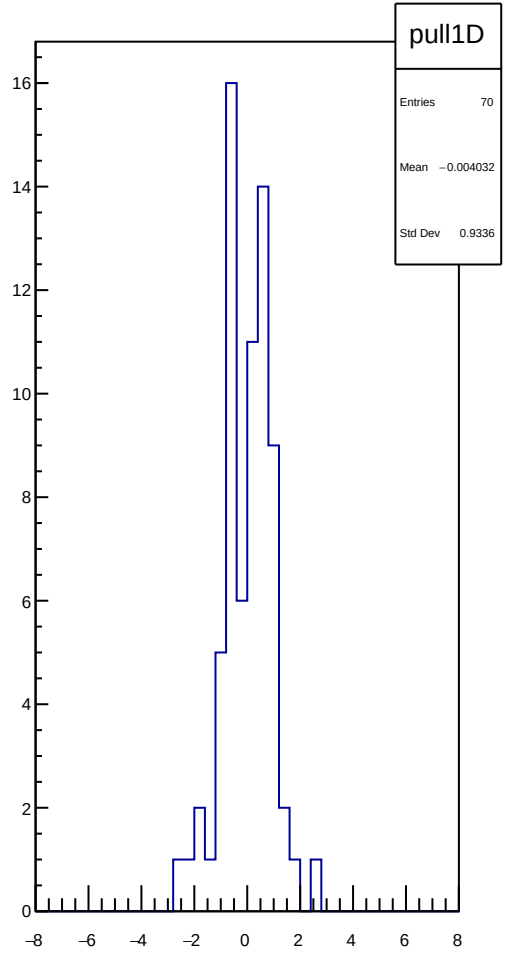

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 2.566e+04 / 69
p0 5490 ± 4.827
11000
10000
9000
8000
7000
6000
5000
4000

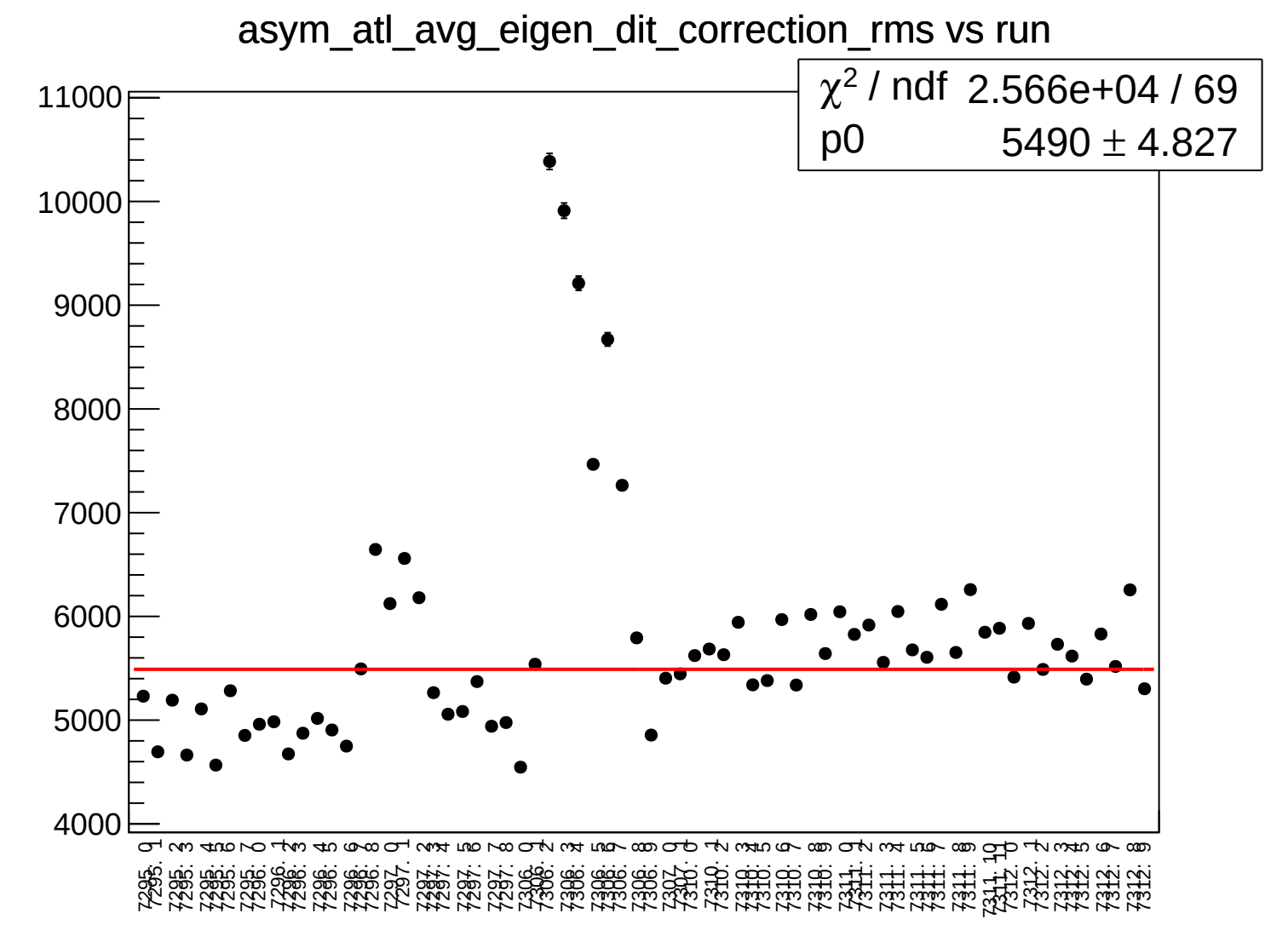

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 61.73 / 69
p0 −2056 ± 2192
pull
Entries 70
Mean −948.3
Std Dev 0

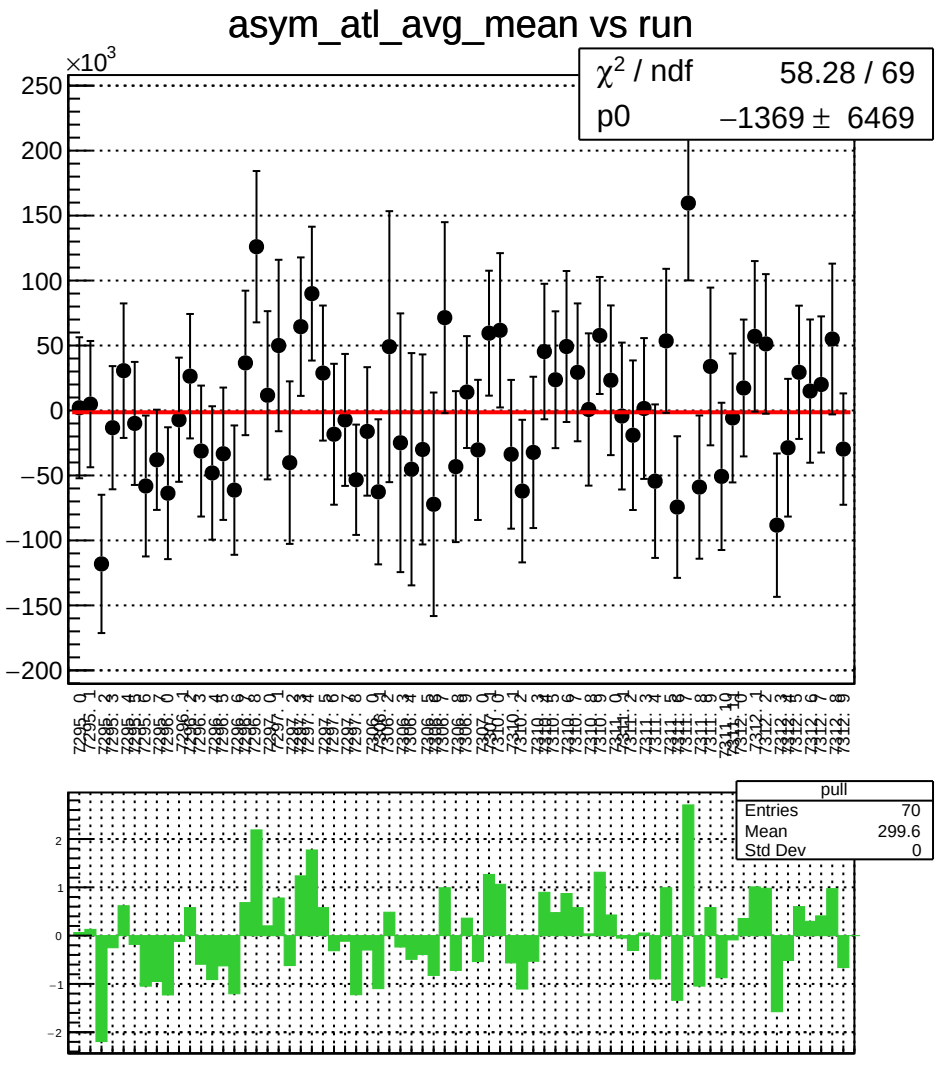

pull1D
Entries 70
Mean −0.003229
Std Dev 0.9391

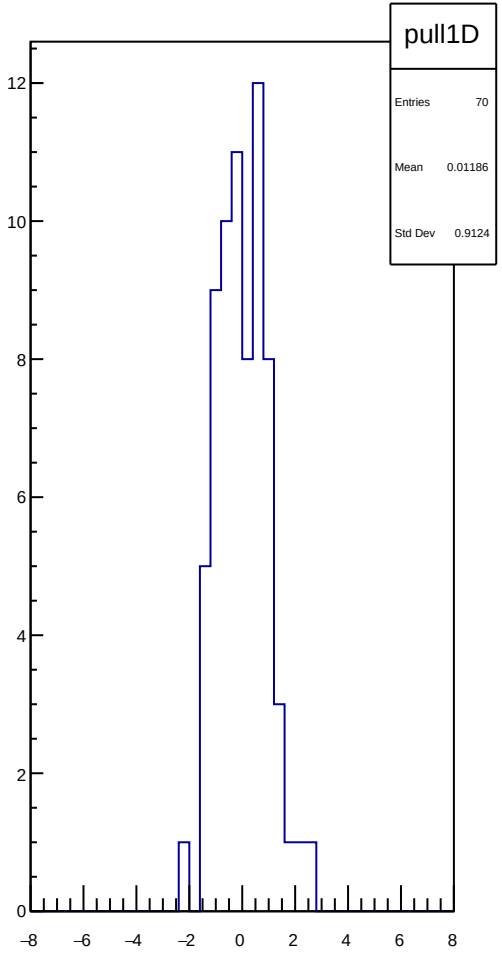

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 4049 / 69
p0 1777 ± 1.55
2200
2100
2000
1900
1800
1700

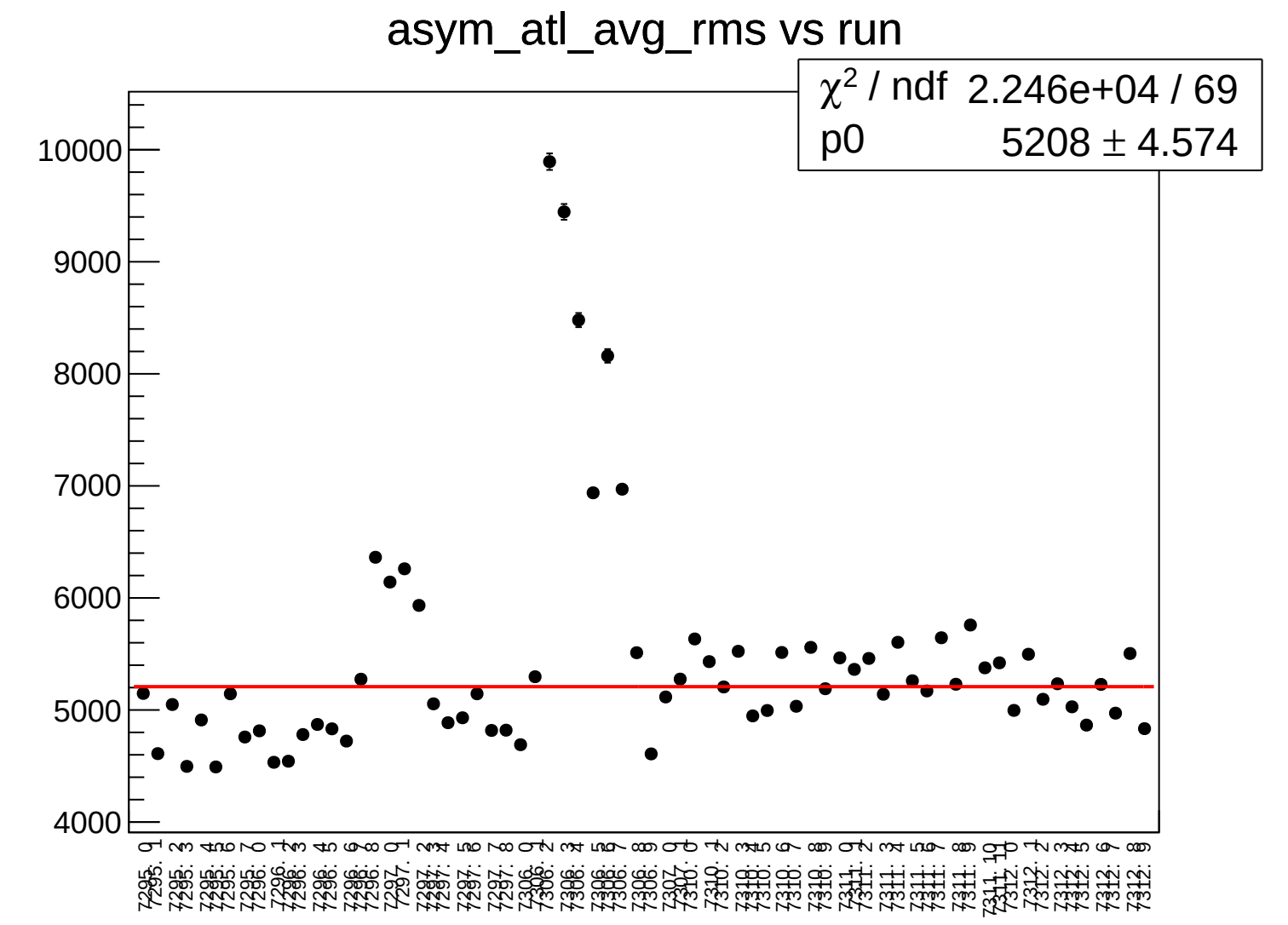

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.01 / 69
p0 −1710 ± 6827
200
100
0
−100
−200
pull
Entries 70
Mean 504.9
Std Dev 0
2
1
0
−1
−2

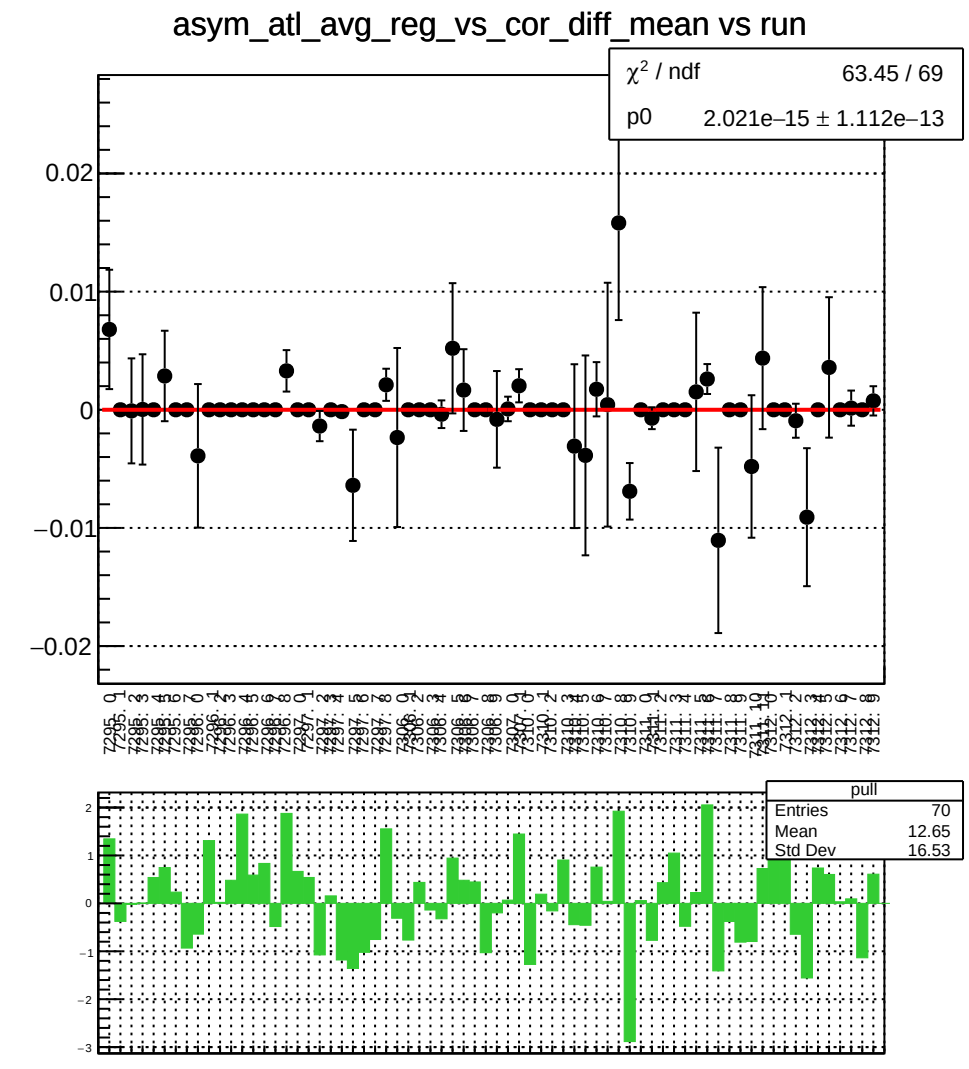

pull1D
Entries 70
Mean −0.004032
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

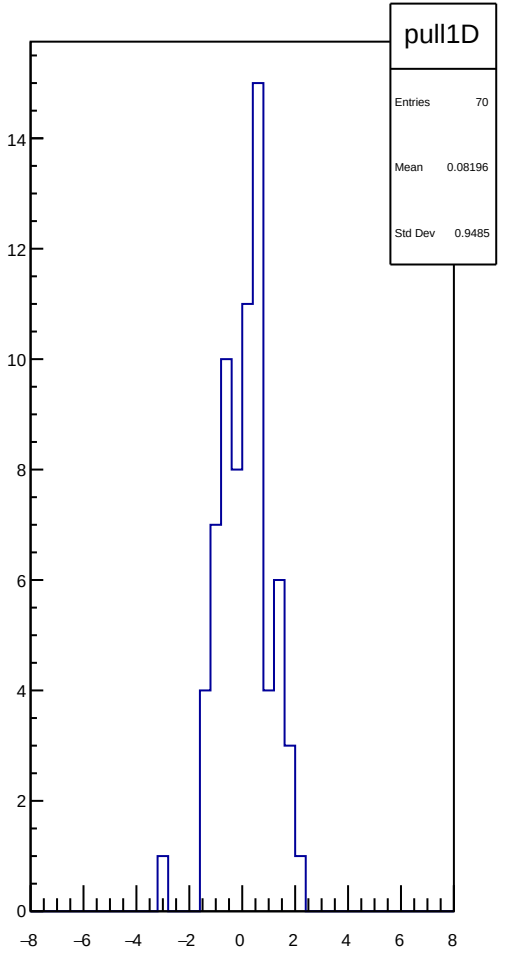

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.566e+04 / 69
p0 5490 ± 4.827
11000
10000
9000
8000
7000
6000
5000
4000

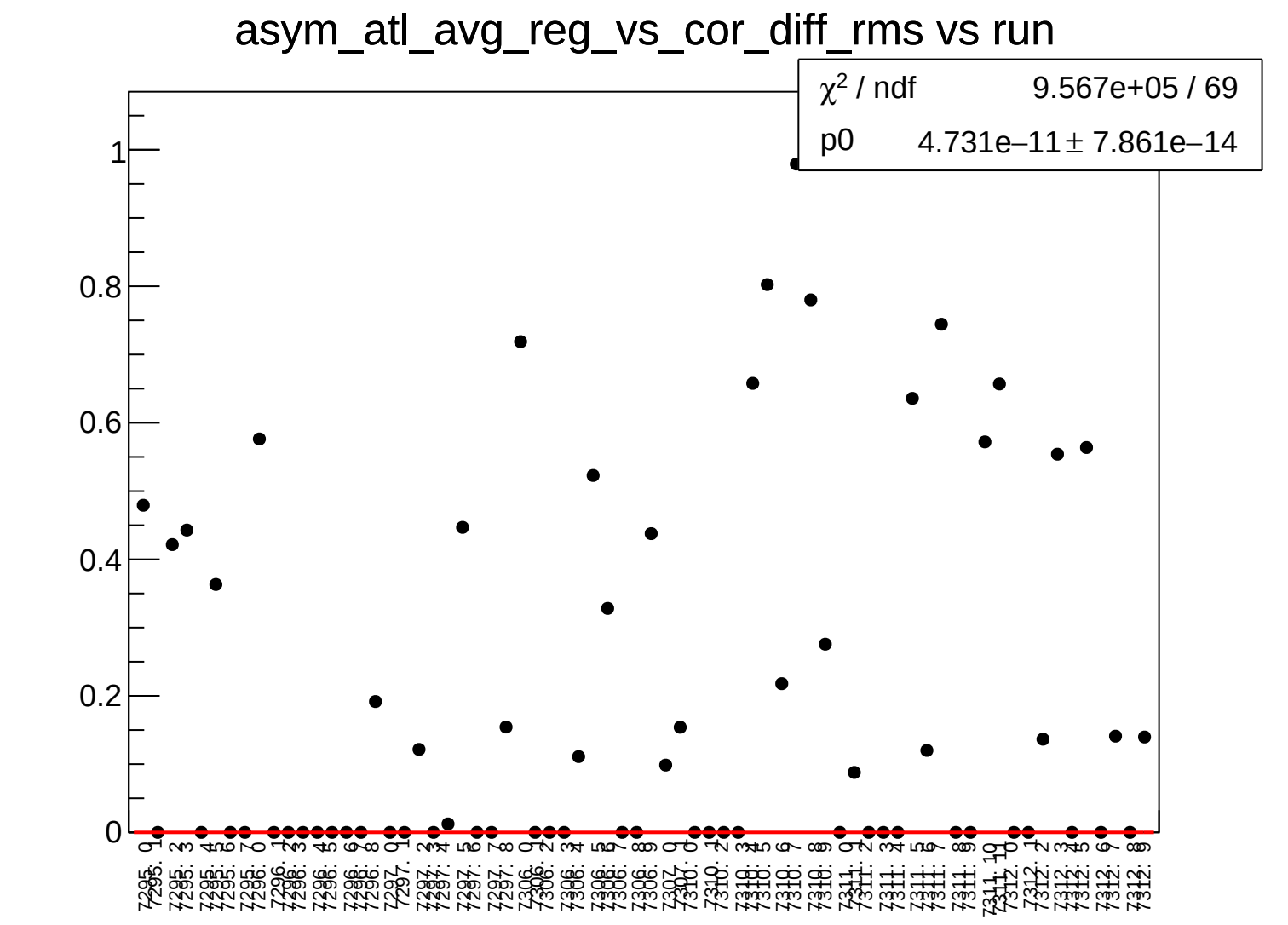

asym_atl_avg_mean vs run
×10^3
χ² / ndf 58.28 / 69
p0 −1369 ± 6469
pull
Entries 70
Mean 299.6
Std Dev 0

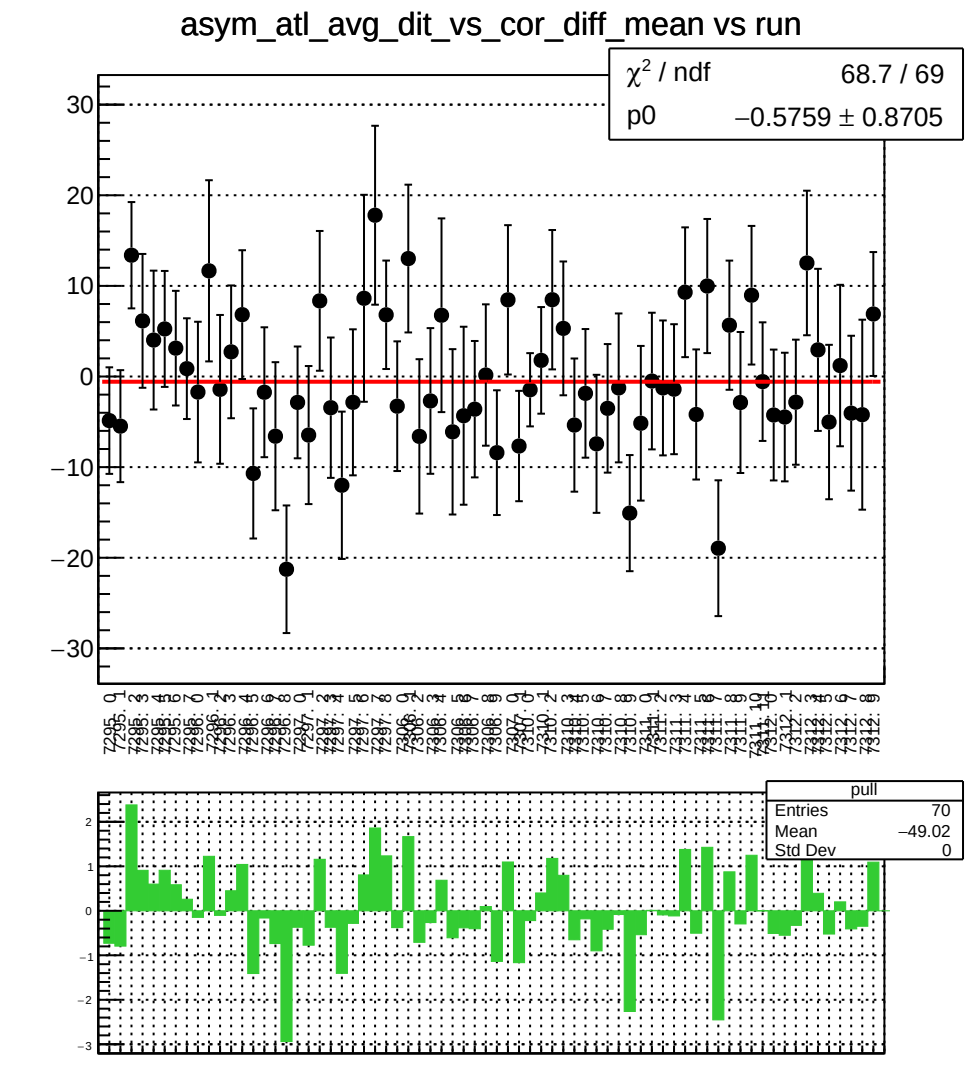

pull1D
Entries 70
Mean 0.01186
Std Dev 0.9124

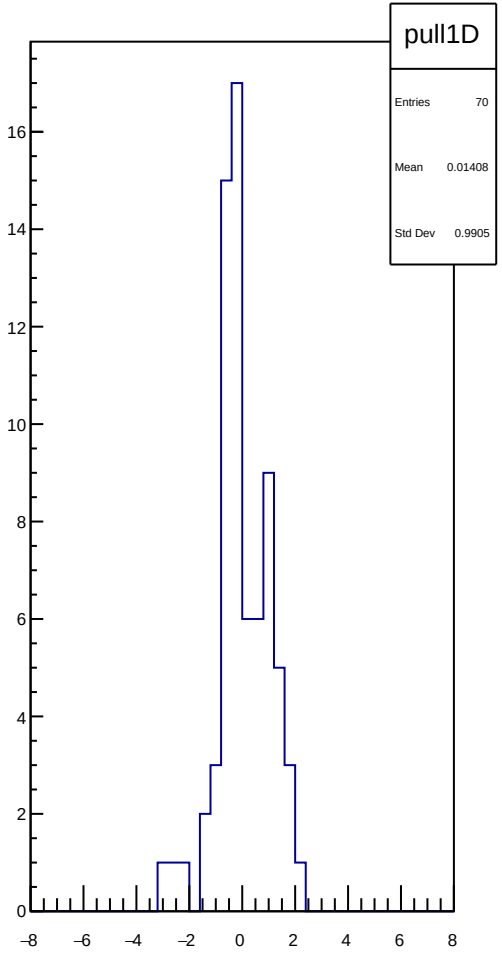

asym_atl_avg_rms vs run
χ^2 / ndf 2.246e+04 / 69
p0 5208 ± 4.574
10000
9000
8000
7000
6000
5000
4000

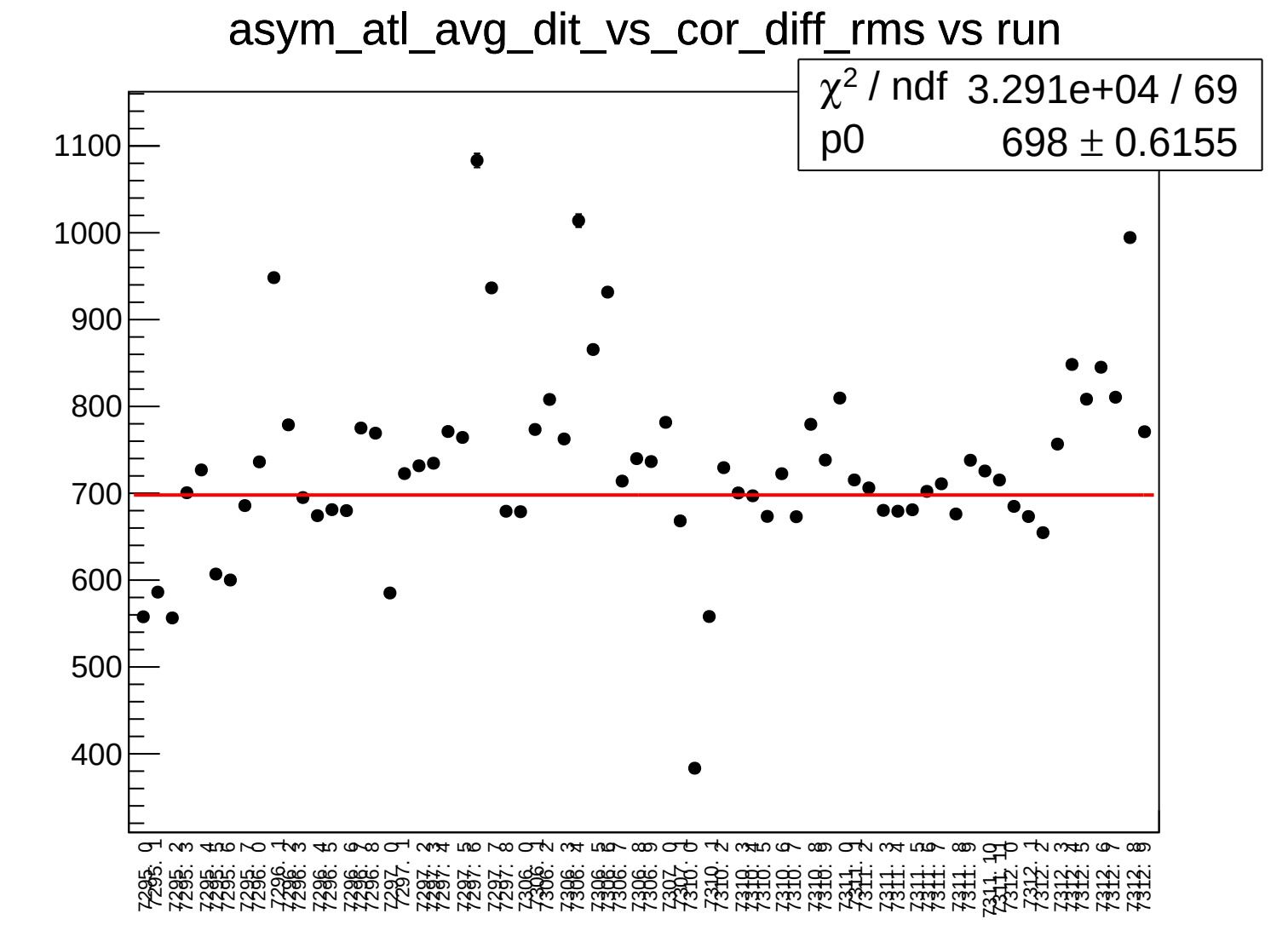

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.45 / 69
p0 2.021e−15 ± 1.112e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean 12.65
Std Dev 16.53
2
1
0
−1
−2
−3

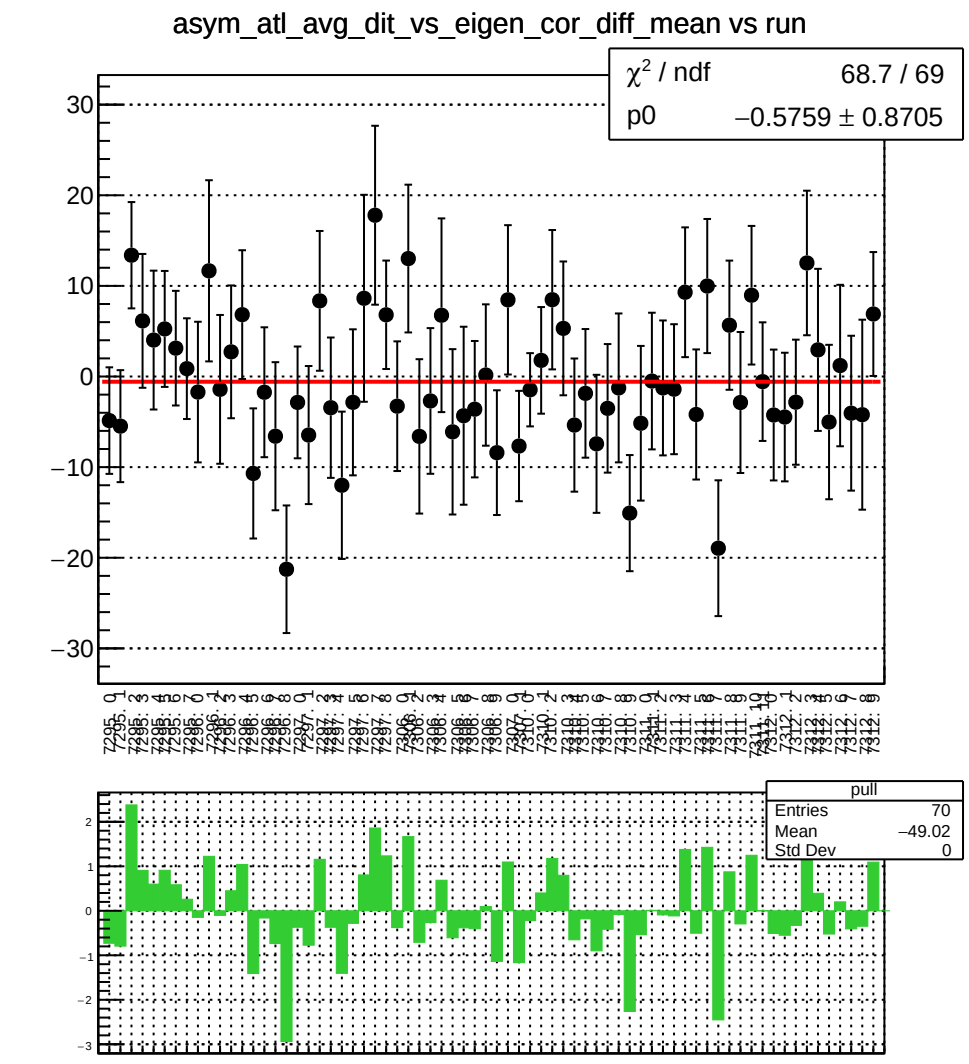

pull1D
Entries 70
Mean 0.08196
Std Dev 0.9485
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

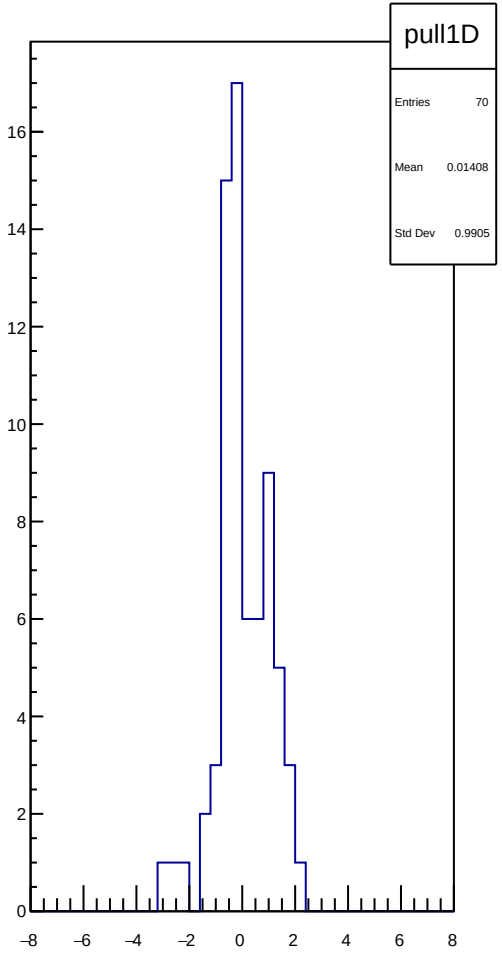

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.567e+05 / 69
p0 4.731e−11 ± 7.861e−14
1
0.8
0.6
0.4
0.2
0

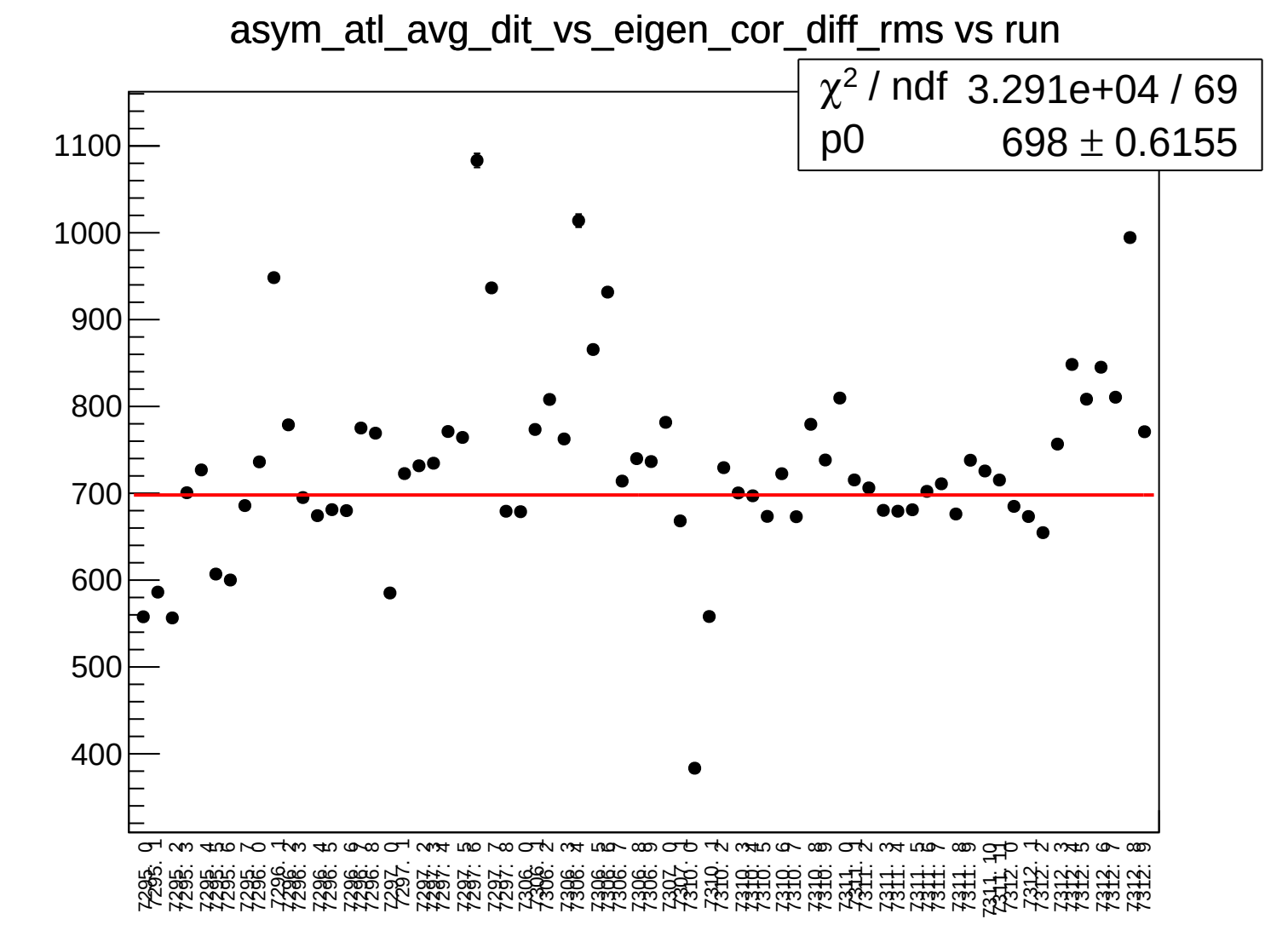

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.7 / 69
p0 −0.5759 ± 0.8705
pull
Entries 70
Mean −49.02
Std Dev 0

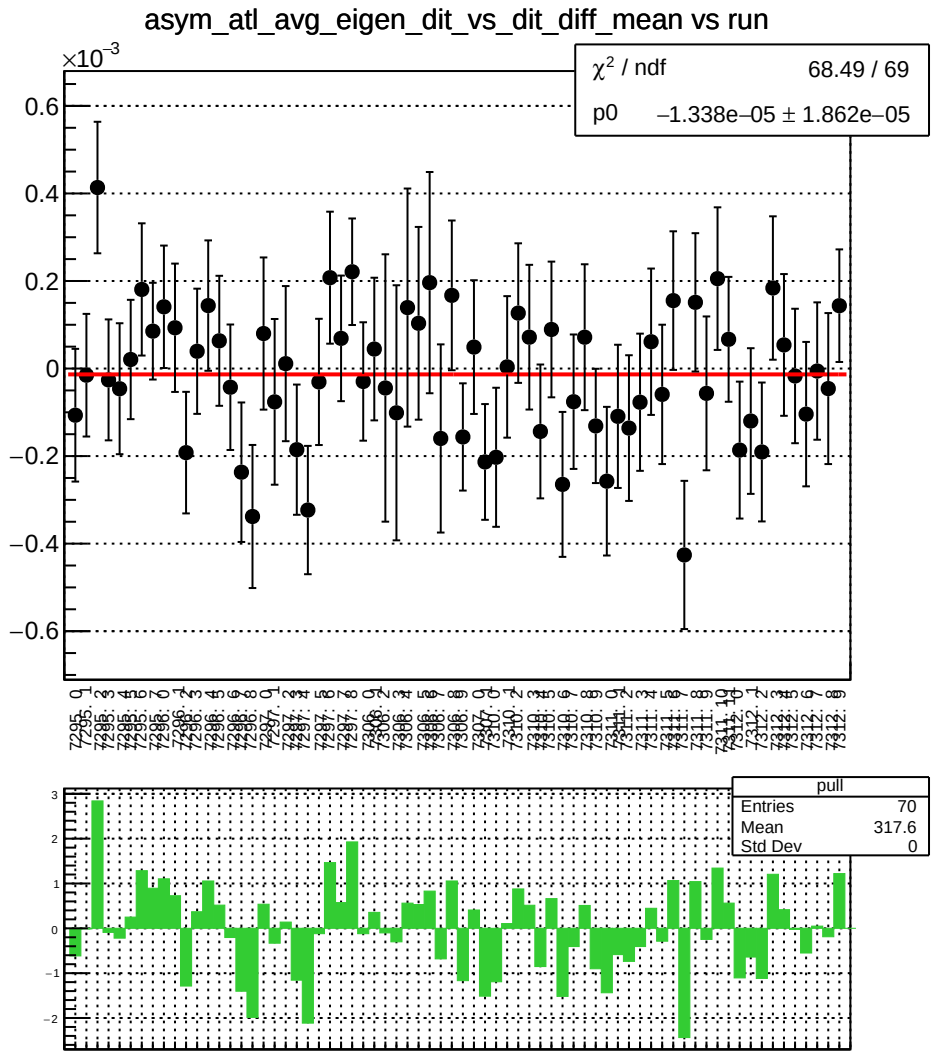

pull1D
Entries 70
Mean 0.01408
Std Dev 0.9905

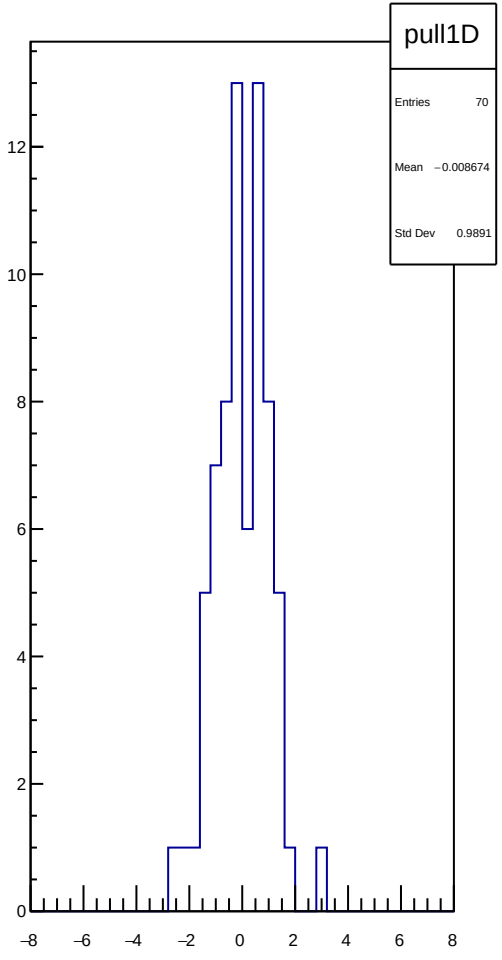

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.291e+04 / 69
p0 698 ± 0.6155
1100
1000
900
800
700
600
500
400

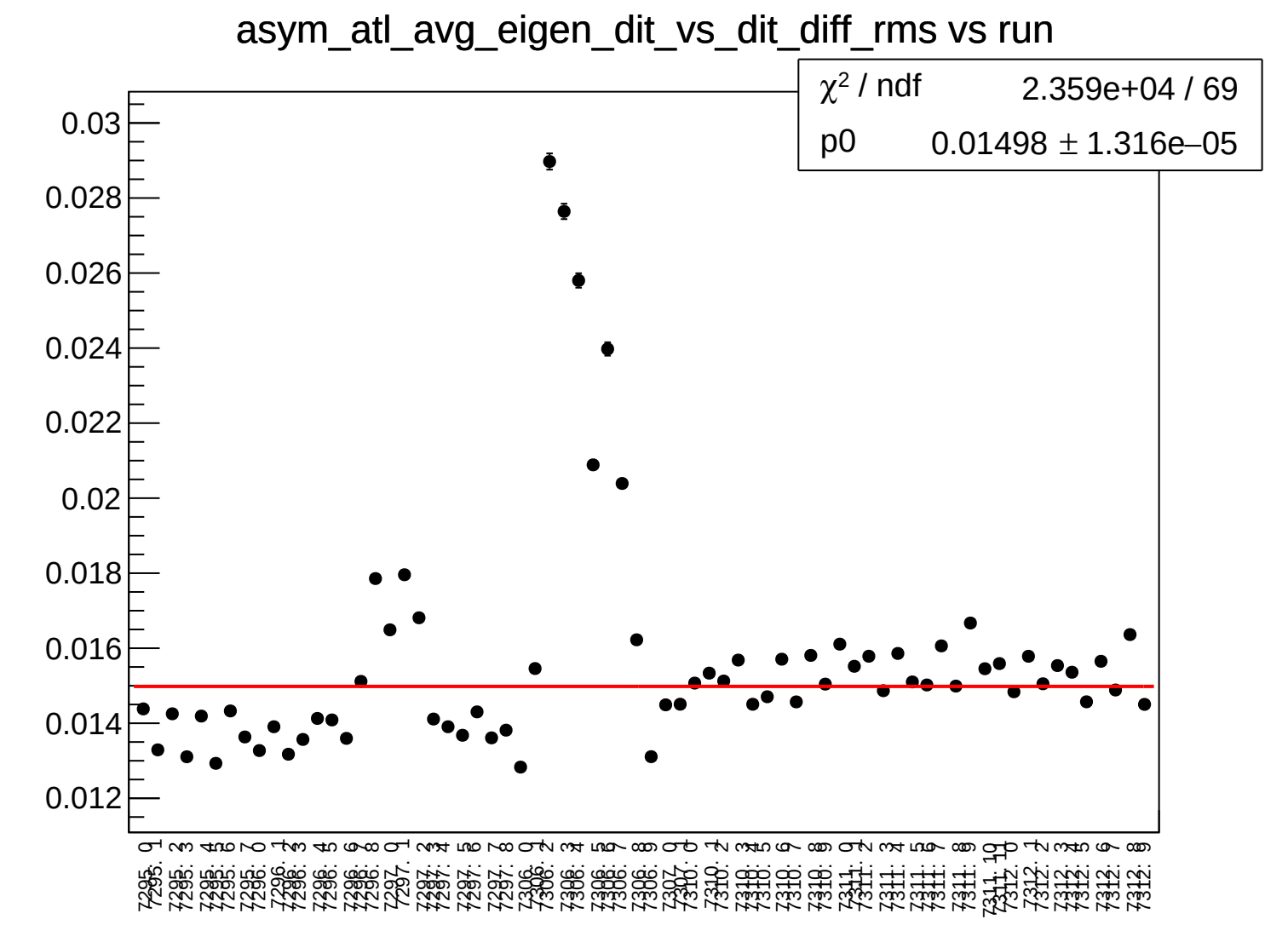

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.7 / 69
p0 −0.5759 ± 0.8705
pull
Entries 70
Mean −49.02
Std Dev 0

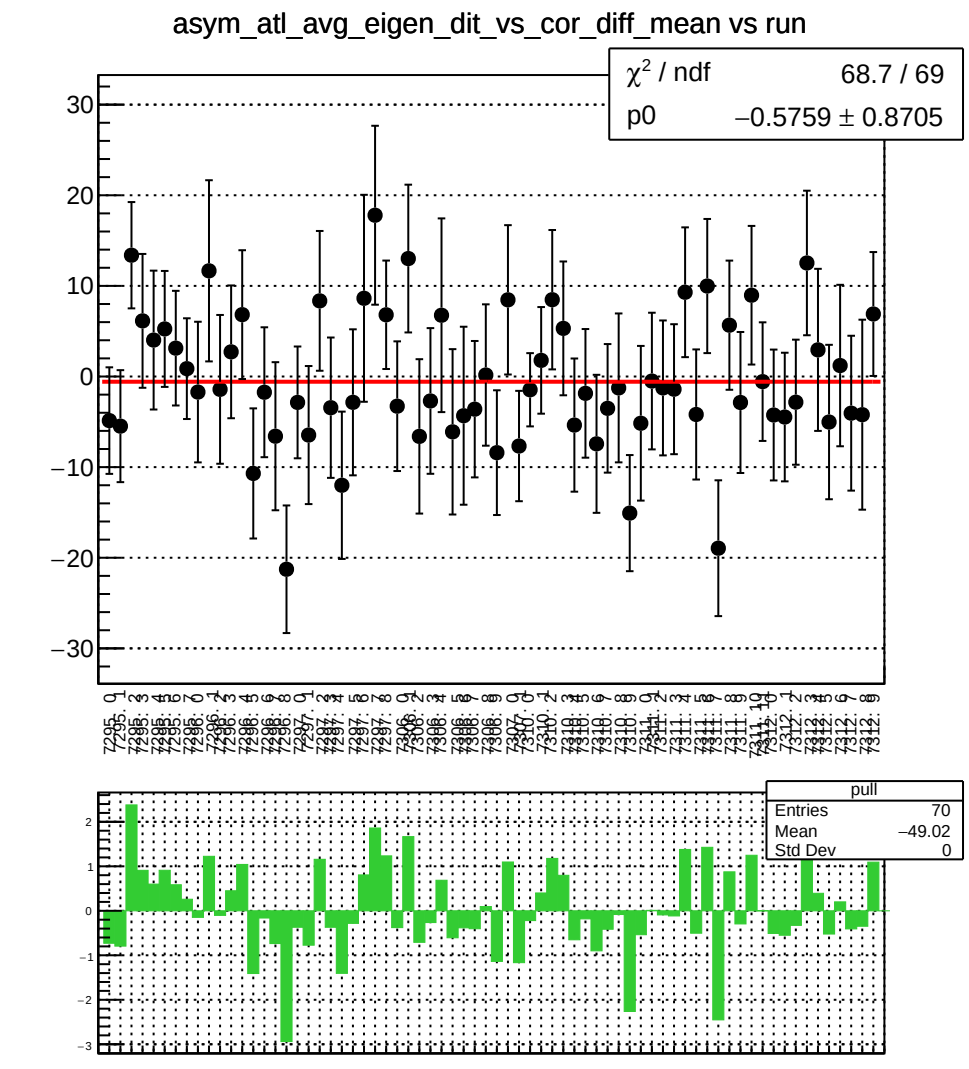

pull1D
Entries 70
Mean 0.01408
Std Dev 0.9905

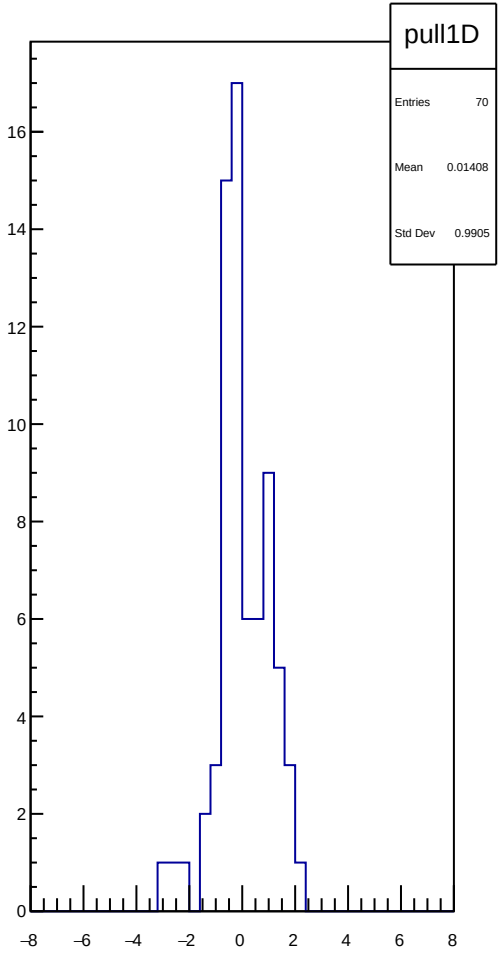

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.291e+04 / 69
p0 698 ± 0.6155
1100
1000
900
800
700
600
500
400

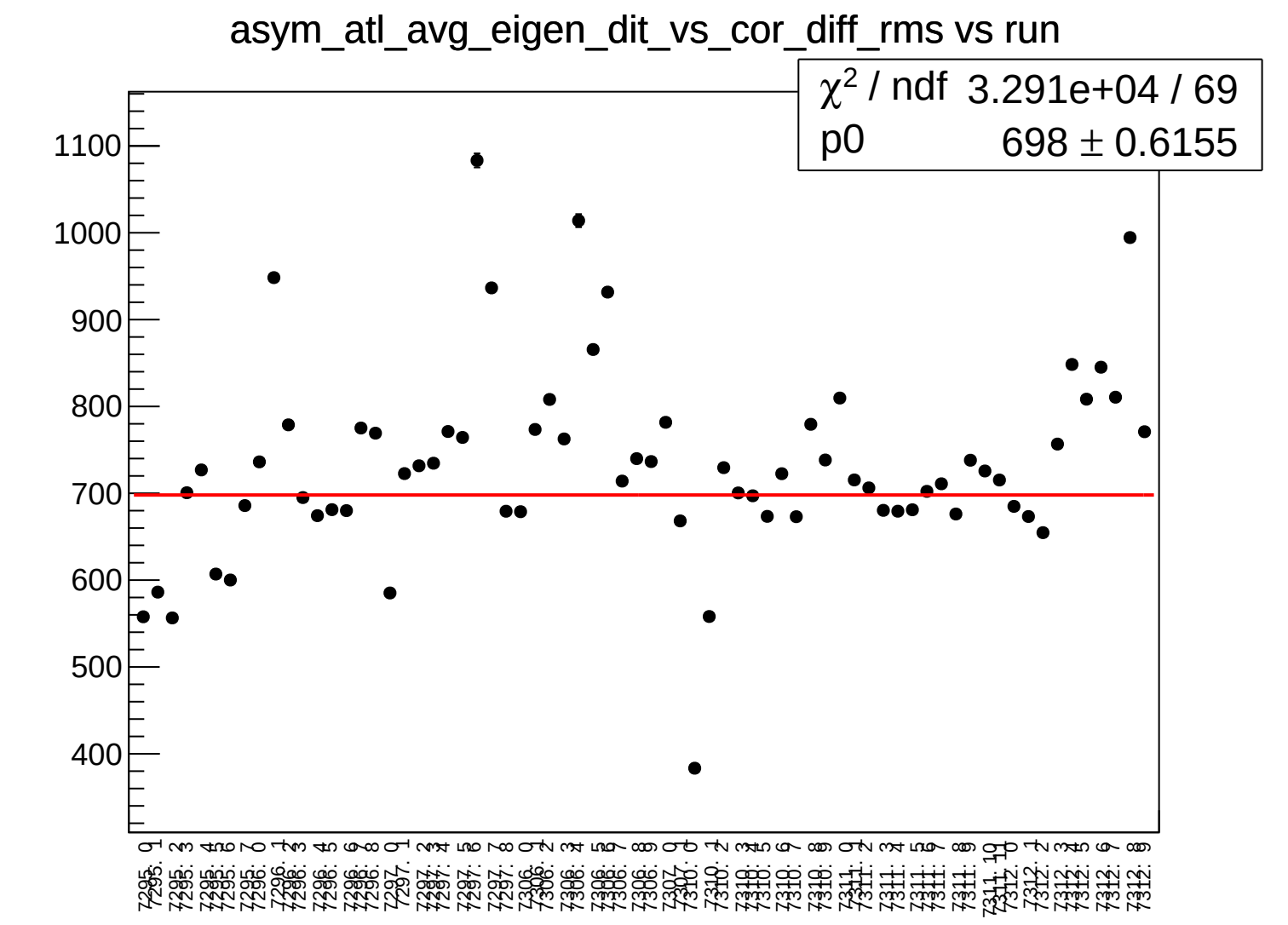

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.49 / 69
p0 −1.338e−05 ± 1.862e−05
pull
Entries 70
Mean 317.6
Std Dev 0

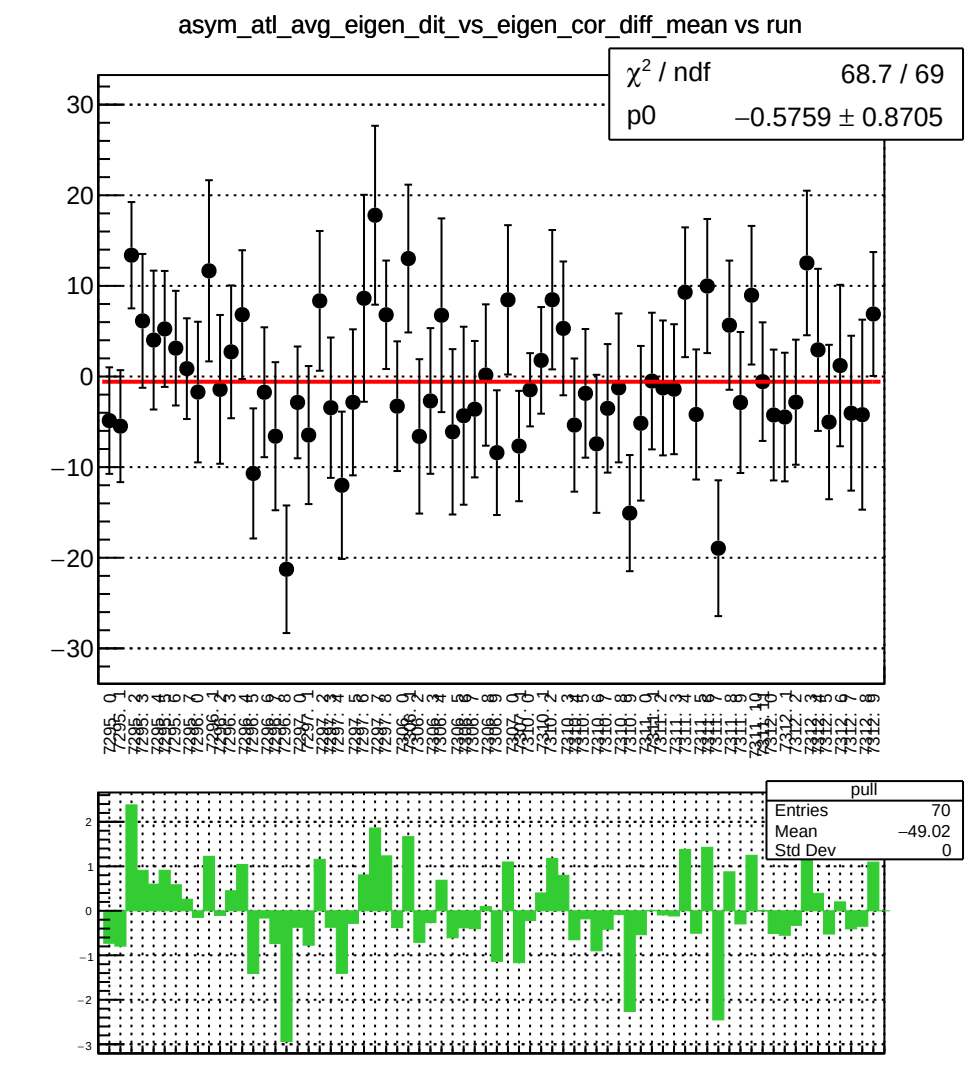

pull1D
Entries 70
Mean −0.008674
Std Dev 0.9891

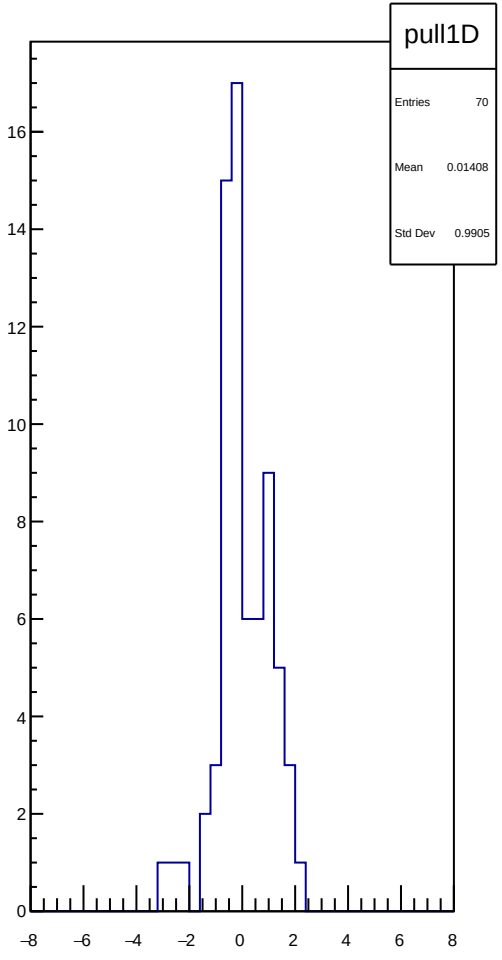

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.359e+04 / 69
p0 0.01498 ± 1.316e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

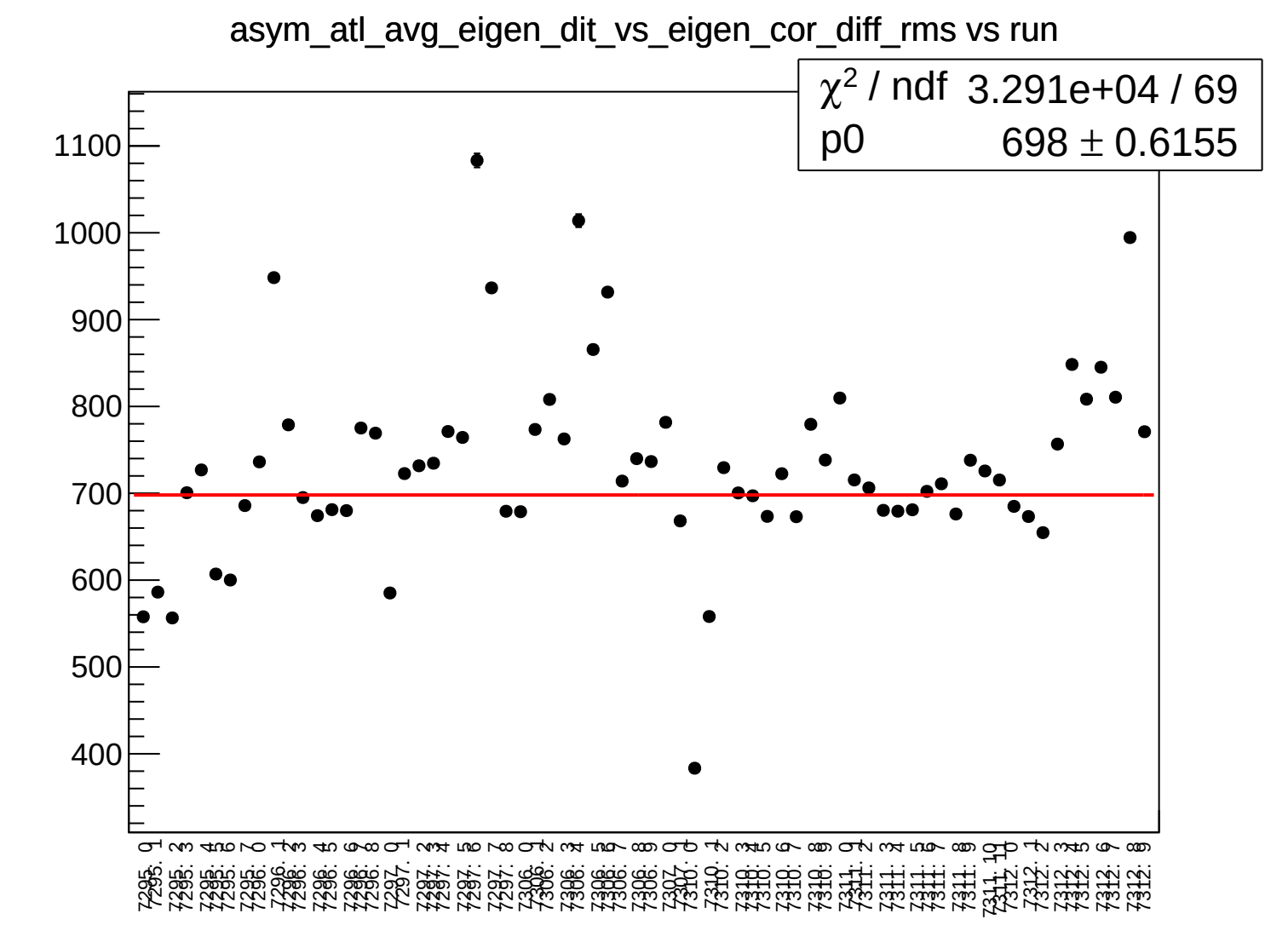

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.7 / 69
p0 −0.5759 ± 0.8705
pull
Entries 70
Mean −49.02
Std Dev 0

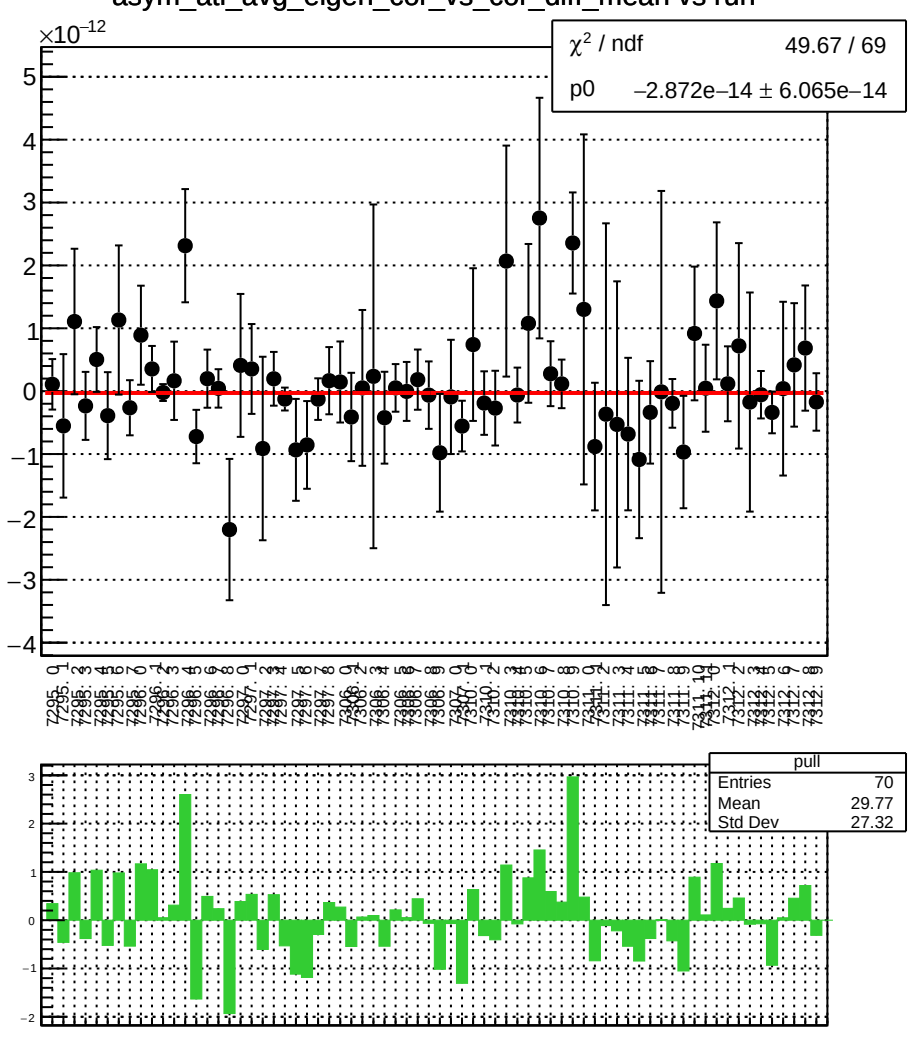

pull1D
Entries 70
Mean 0.01408
Std Dev 0.9905

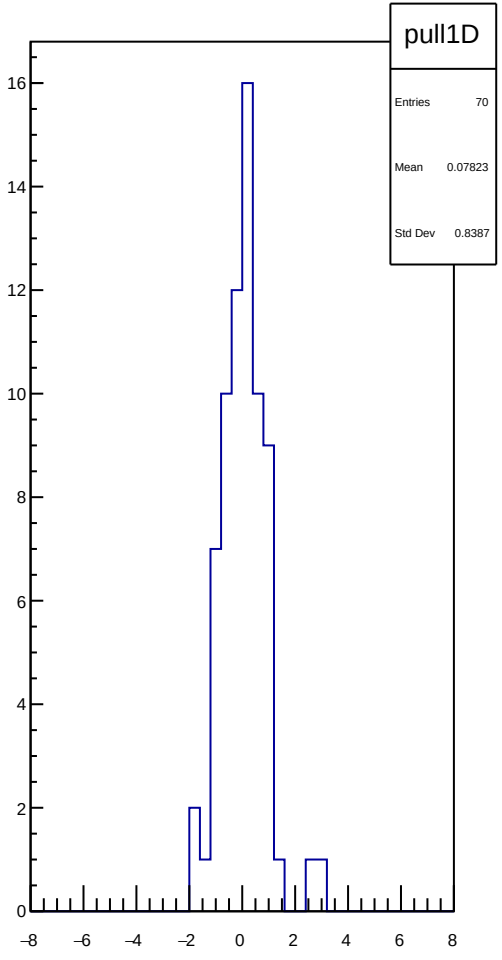

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.291e+04 / 69
p0 698 ± 0.6155
1100
1000
900
800
700
600
500
400

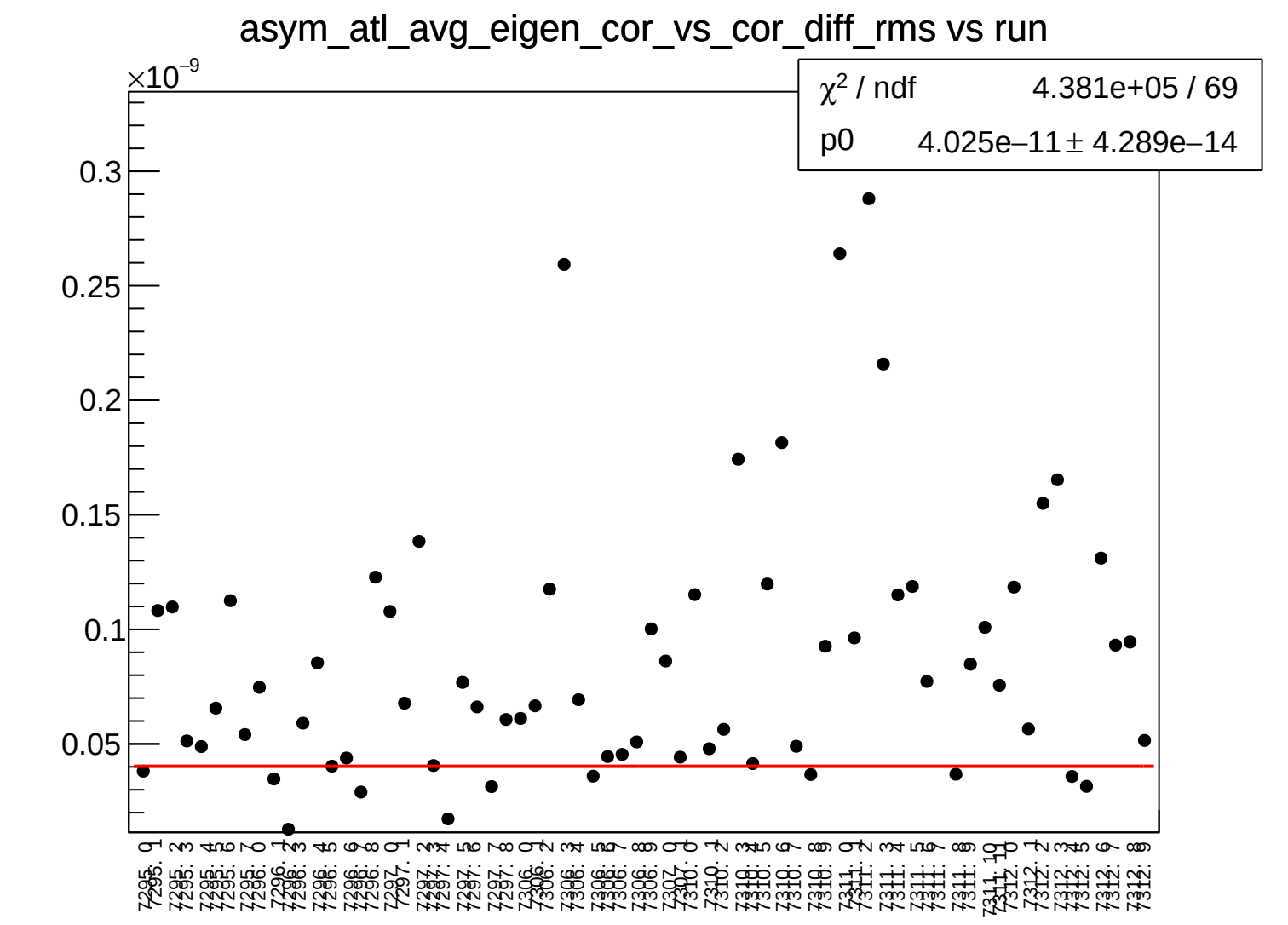

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.7 / 69
p0 −0.5759 ± 0.8705
pull
Entries 70
Mean −49.02
Std Dev 0

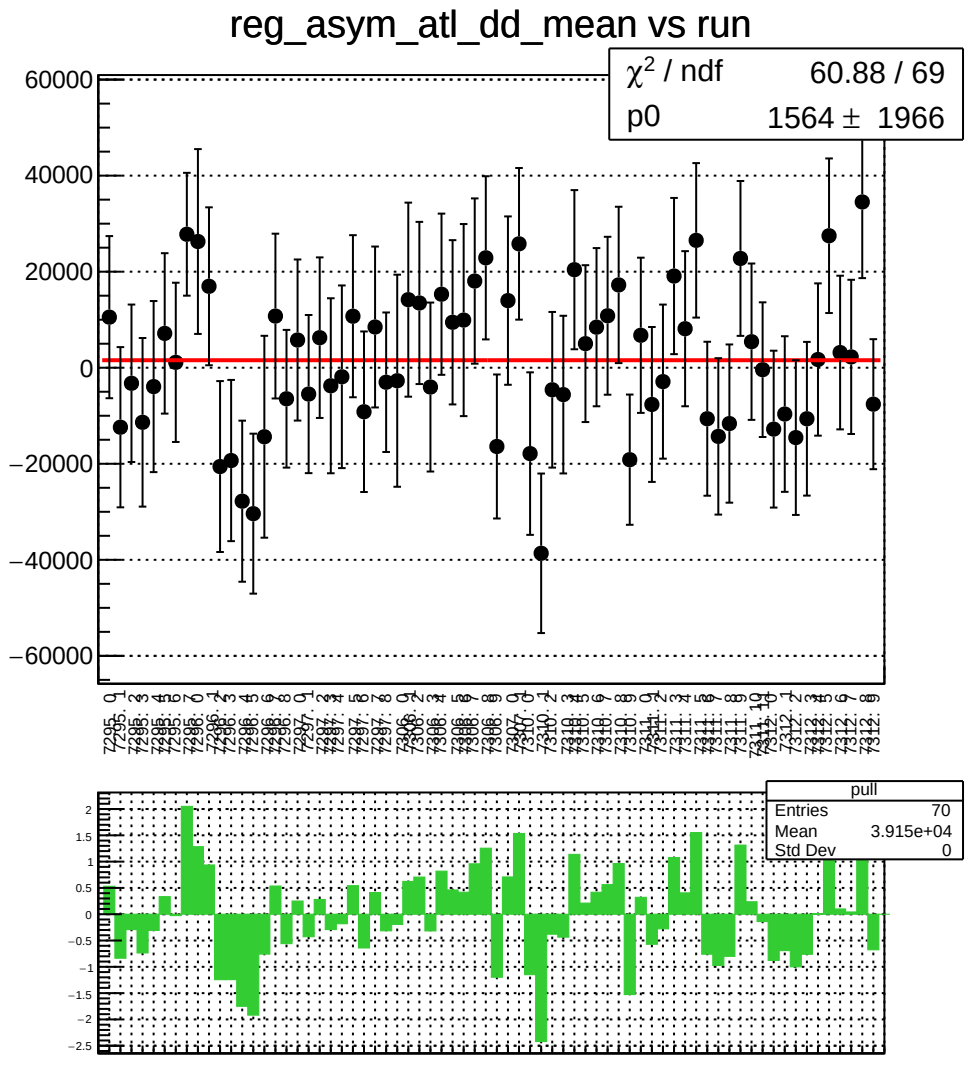

pull1D
Entries 70
Mean 0.01408
Std Dev 0.9905

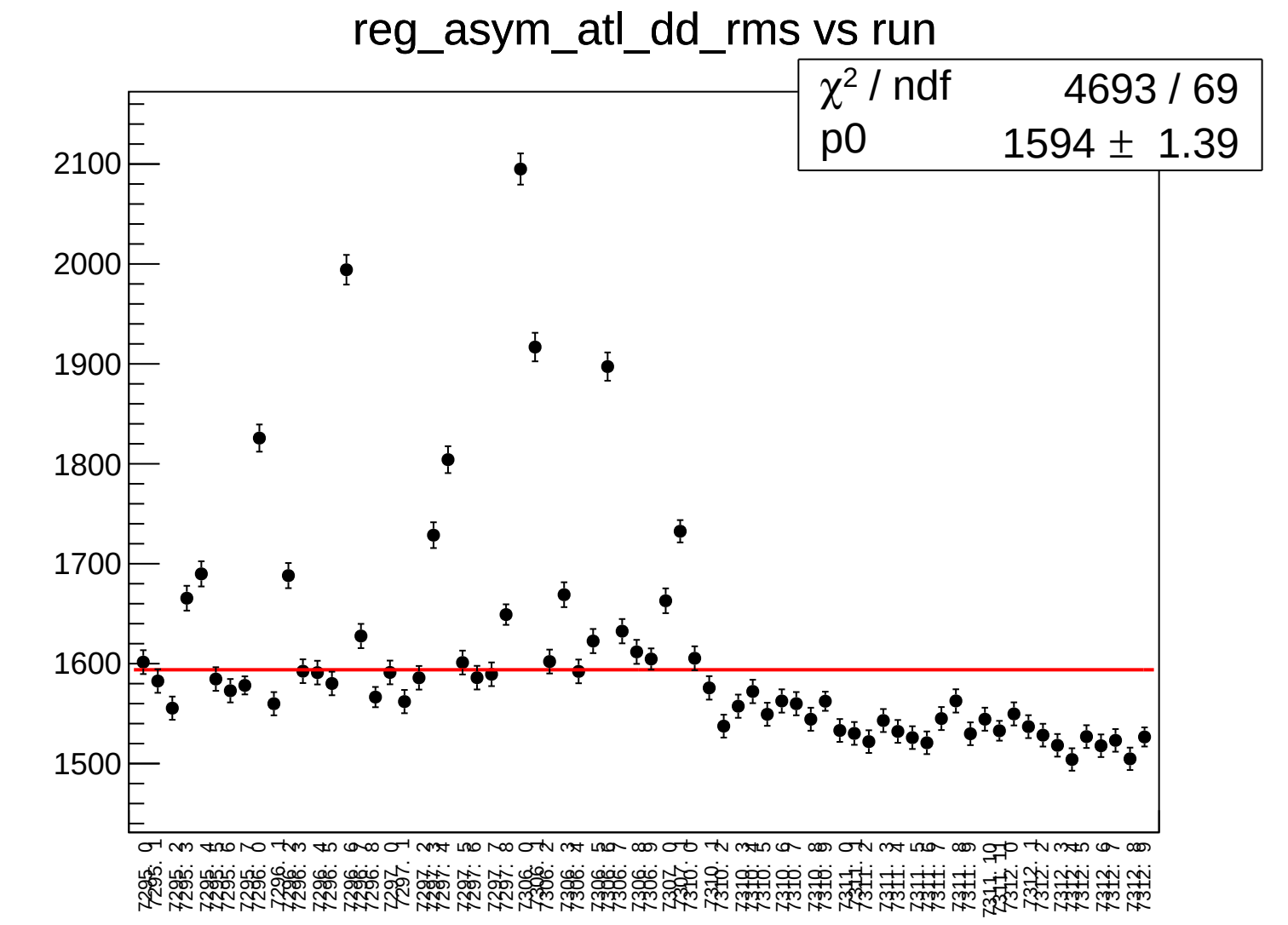

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.291e+04 / 69
p0 698 ± 0.6155
1100
1000
900
800
700
600
500
400

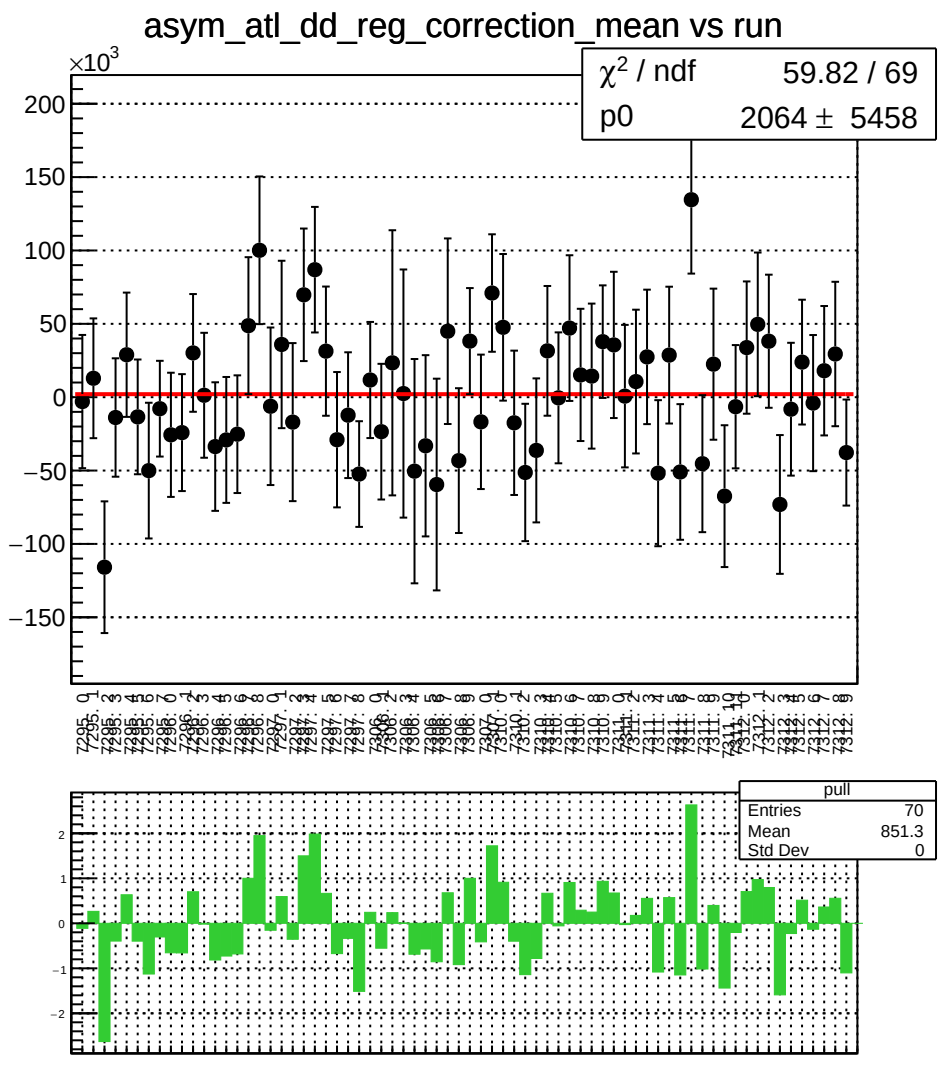

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.67 / 69
p0 −2.872e−14 ± 6.065e−14
pull
Entries 70
Mean 29.77
Std Dev 27.32

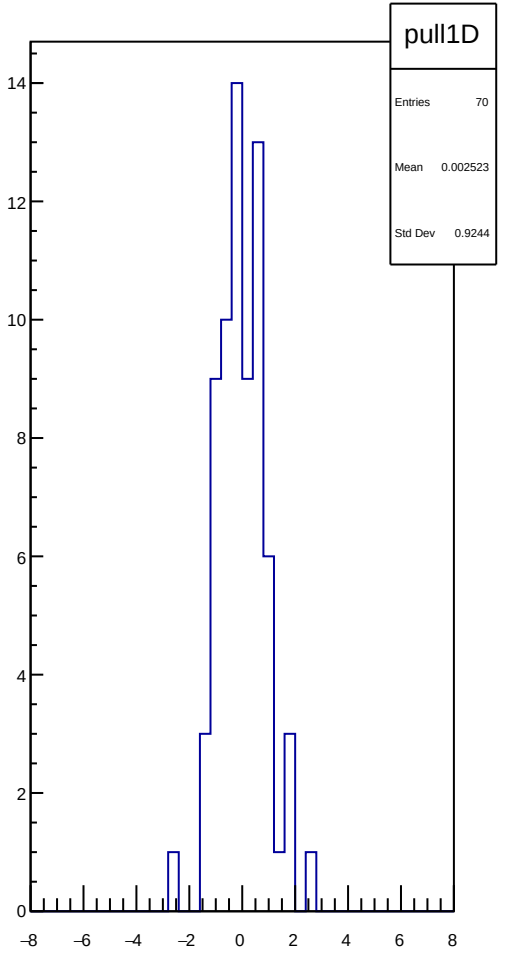

pull1D
Entries 70
Mean 0.07823
Std Dev 0.8387

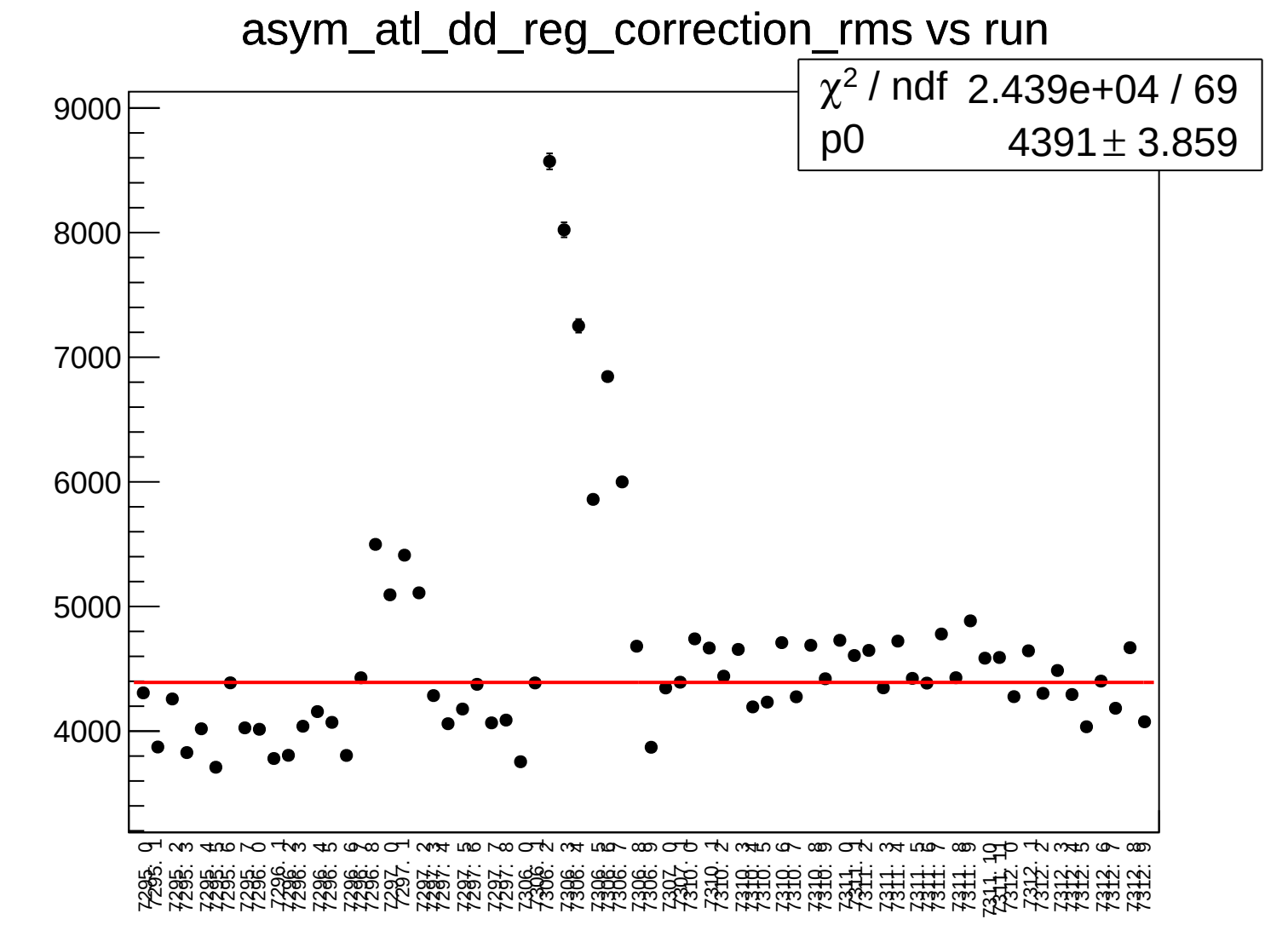

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.381e+05 / 69
p0 4.025e−11 ± 4.289e−14
0.3
0.25
0.2
0.15
0.1
0.05

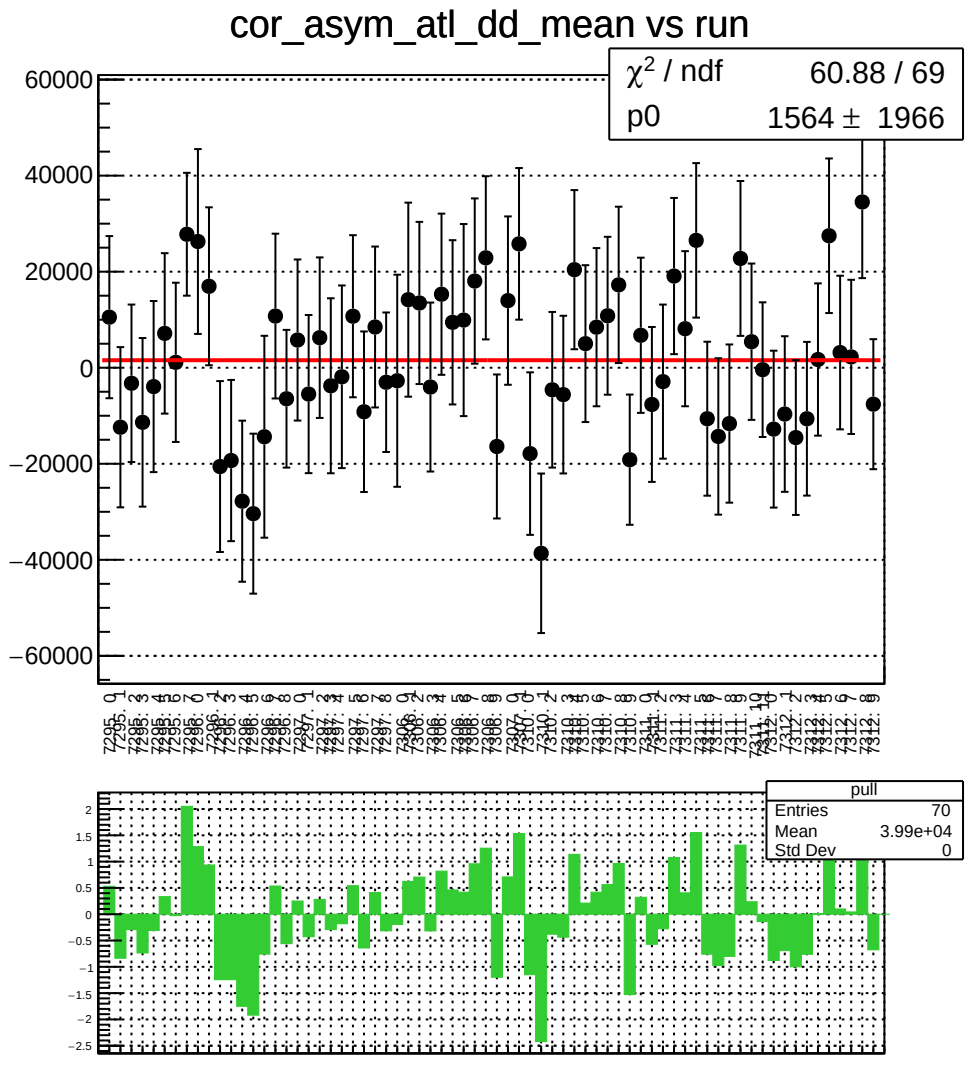

reg_asym_atl_dd_mean vs run
χ² / ndf 60.88 / 69
p0 1564 ± 1966
pull
Entries 70
Mean 3.915e+04
Std Dev 0
pull1D
Entries 70
Mean 3.877e−05
Std Dev 0.9326

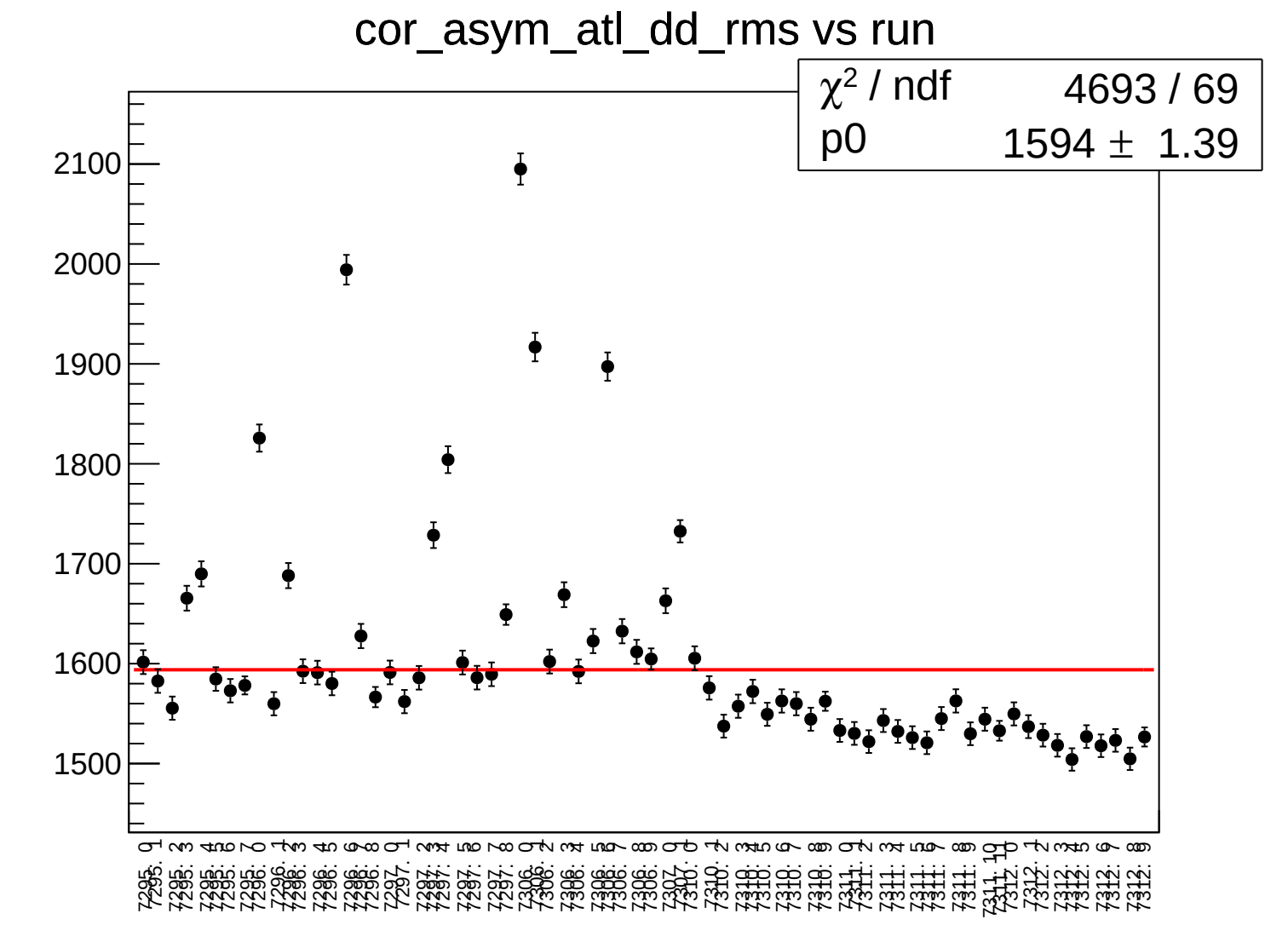

reg_asym_atl_dd_rms vs run
χ² / ndf 4693 / 69
p0 1594 ± 1.39
2100
2000
1900
1800
1700
1600
1500

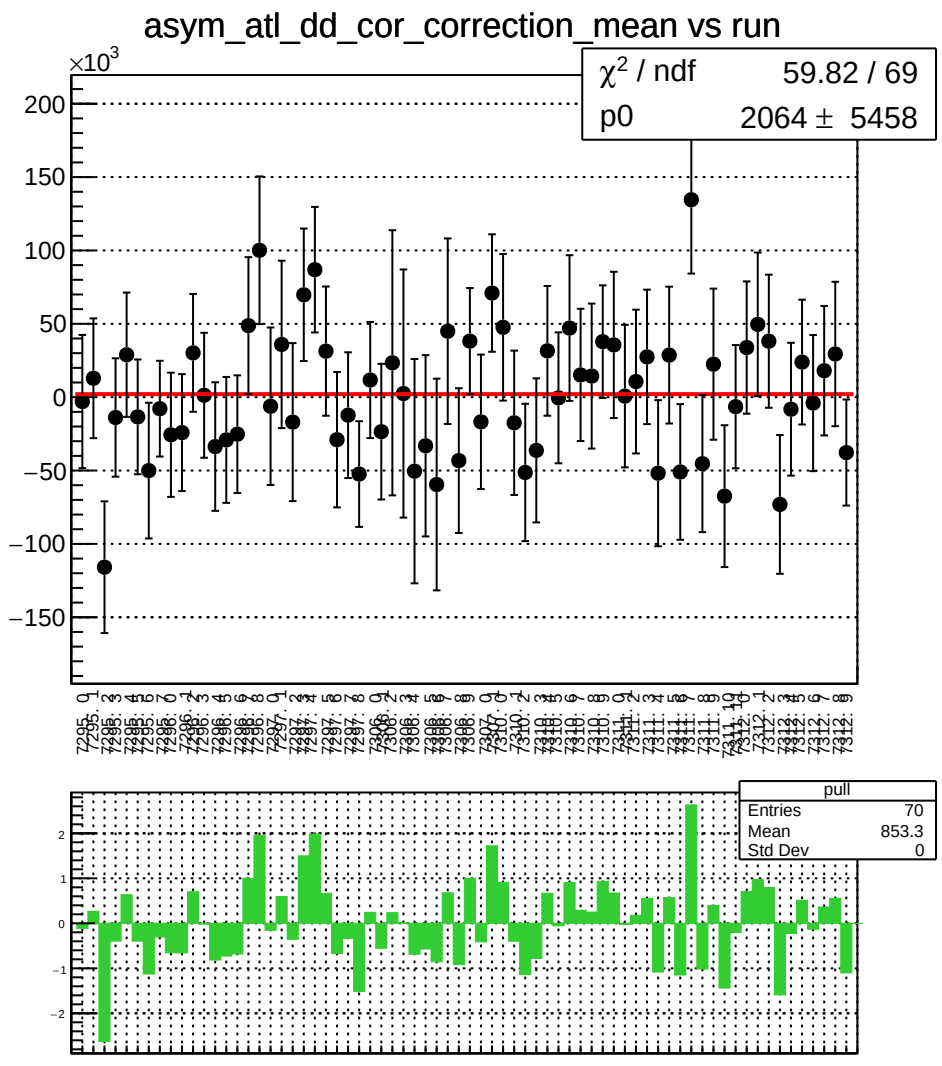

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.82 / 69
p0 2064 ± 5458
pull
Entries 70
Mean 851.3
Std Dev 0

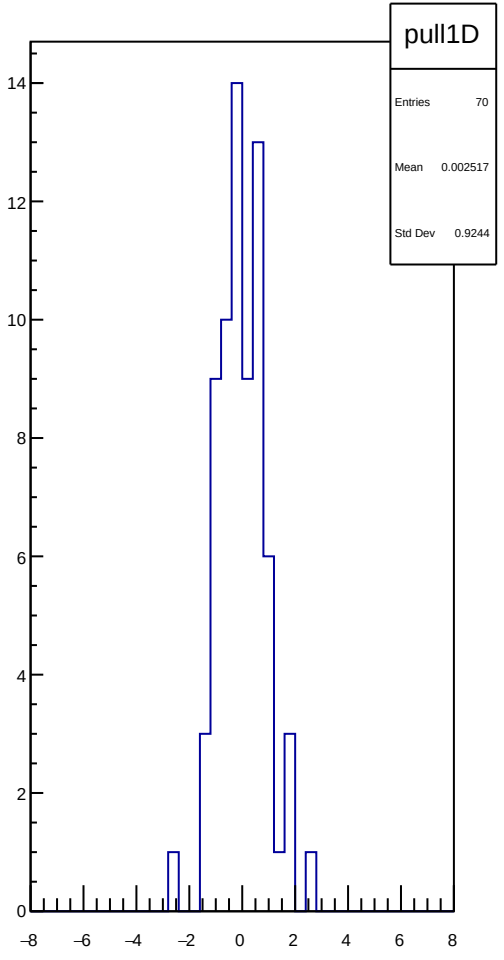

pull1D
Entries 70
Mean 0.002523
Std Dev 0.9244

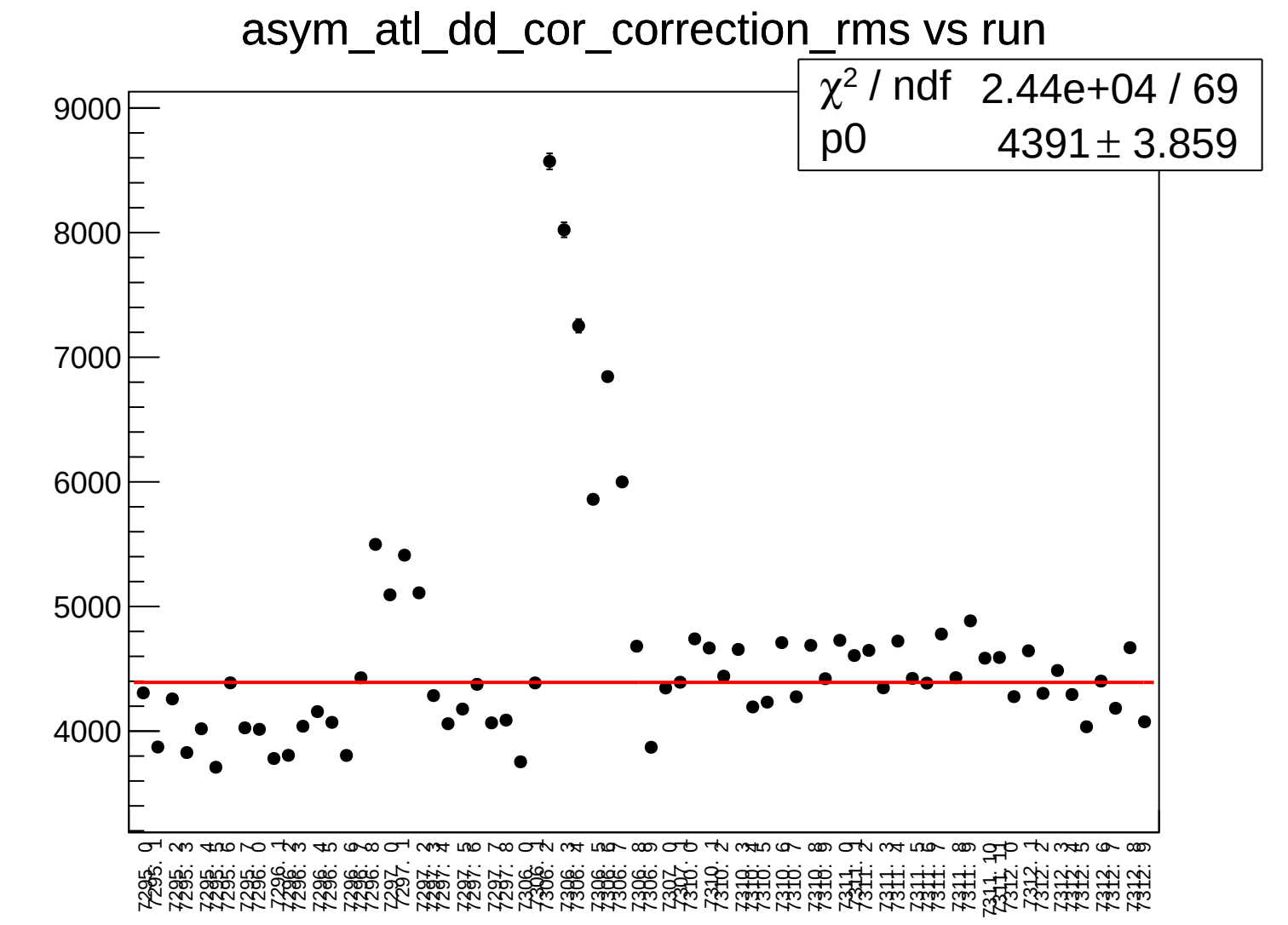

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 2.439e+04 / 69
p0 4391 ± 3.859
9000
8000
7000
6000
5000
4000

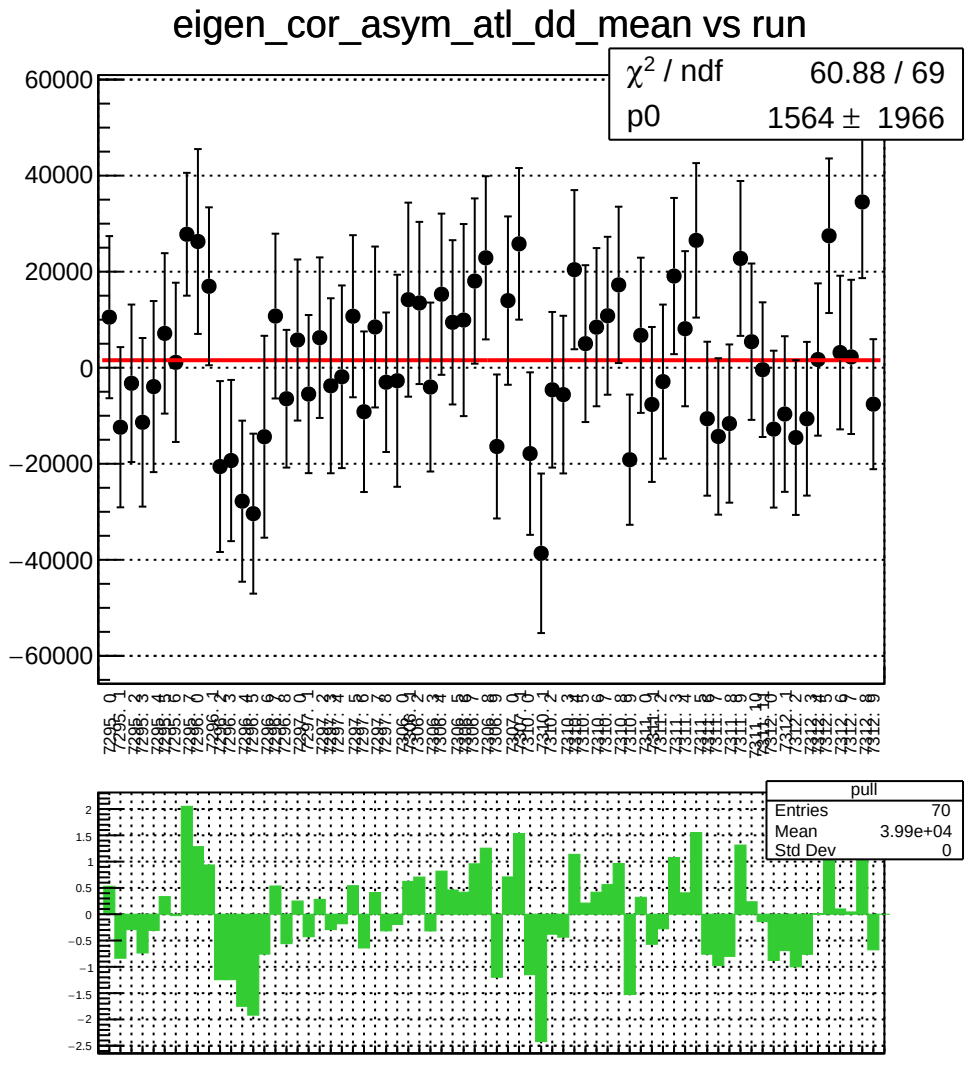

cor_asym_atl_dd_mean vs run
χ² / ndf 60.88 / 69
p0 1564 ± 1966
pull
Entries 70
Mean 3.99e+04
Std Dev 0
pull1D
Entries 70
Mean 3.804e−05
Std Dev 0.9326

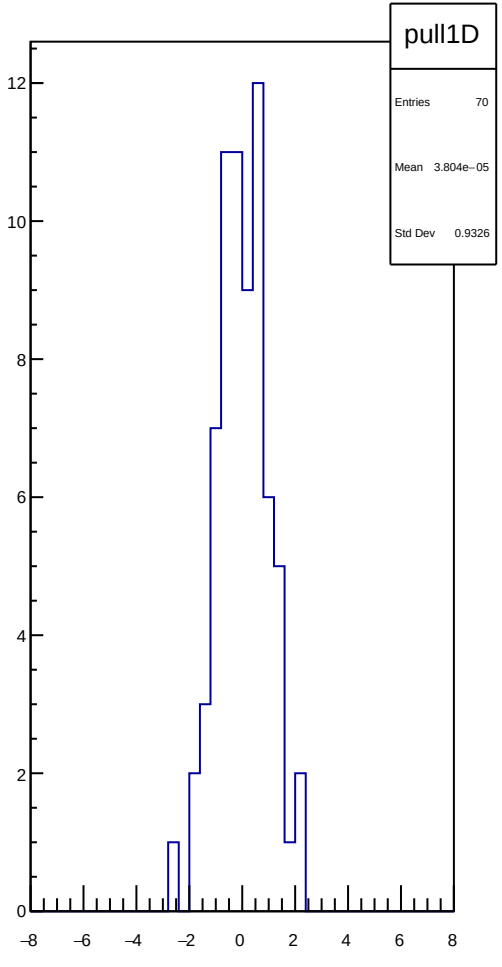

cor_asym_atl_dd_rms vs run
χ^2 / ndf 4693 / 69
p0 1594 ± 1.39
2100
2000
1900
1800
1700
1600
1500

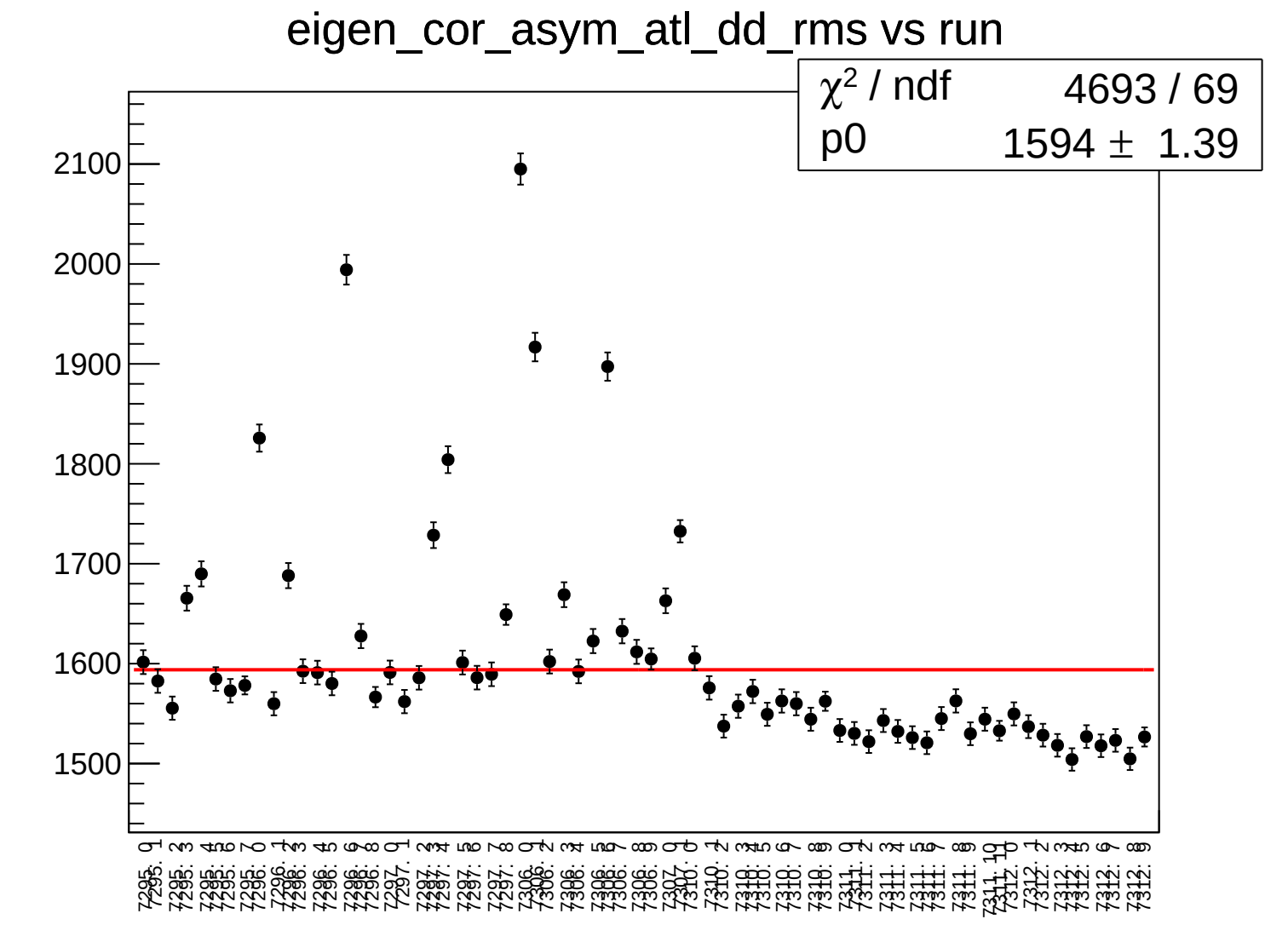

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 59.82 / 69
p0 2064 ± 5458
pull
Entries 70
Mean 853.3
Std Dev 0

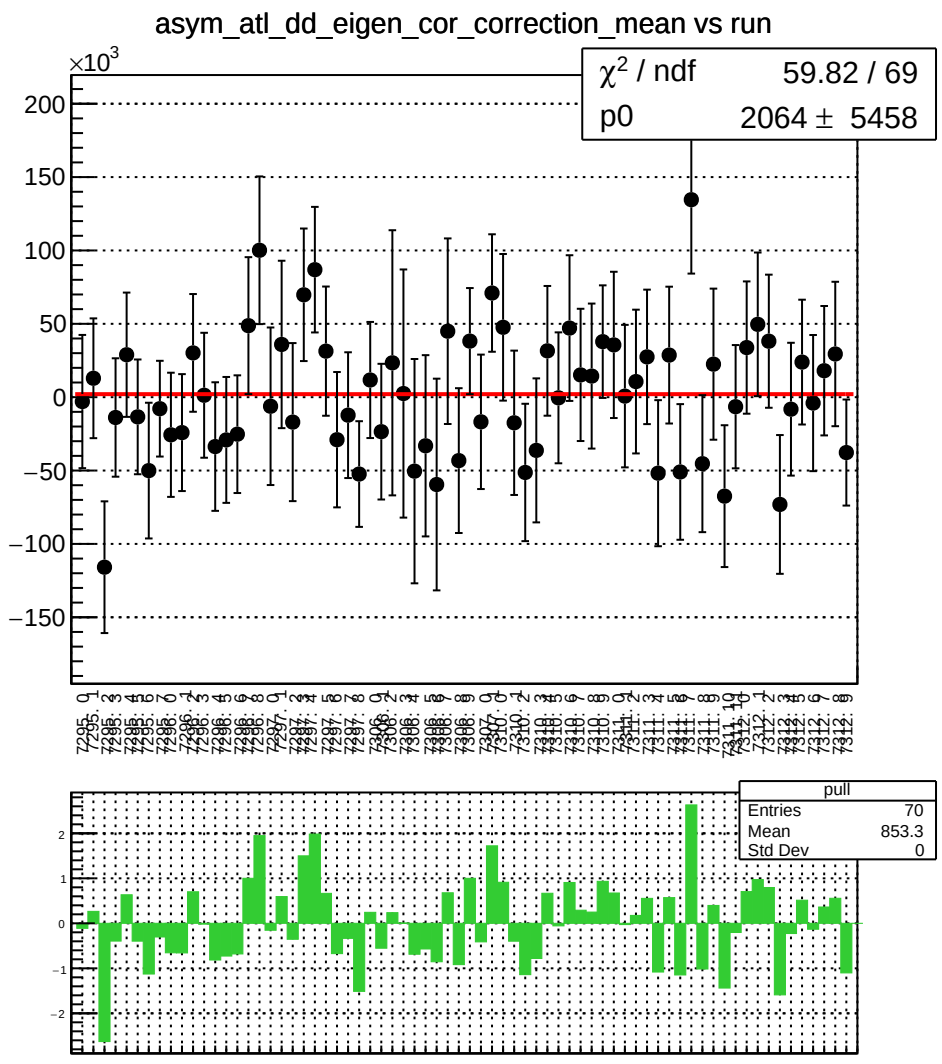

pull1D
Entries 70
Mean 0.002517
Std Dev 0.9244

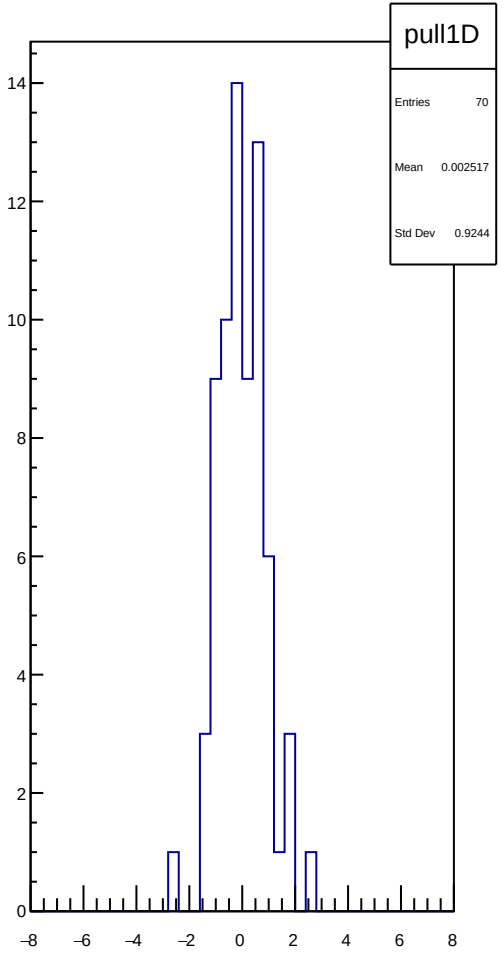

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 2.44e+04 / 69
p0 4391 ± 3.859
9000
8000
7000
6000
5000
4000

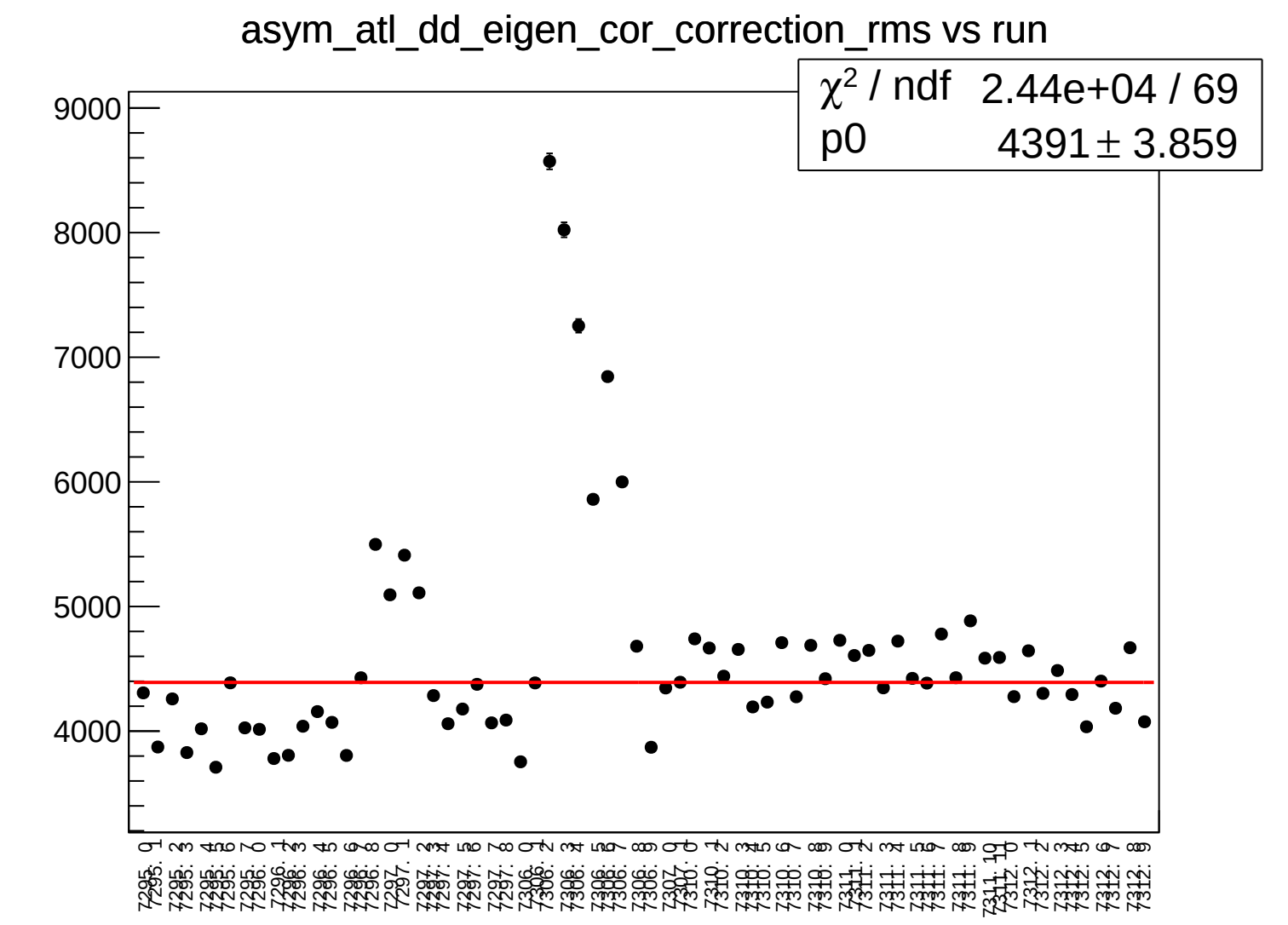

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 60.88 / 69
p0 1564 ± 1966
pull
Entries 70
Mean 3.99e+04
Std Dev 0

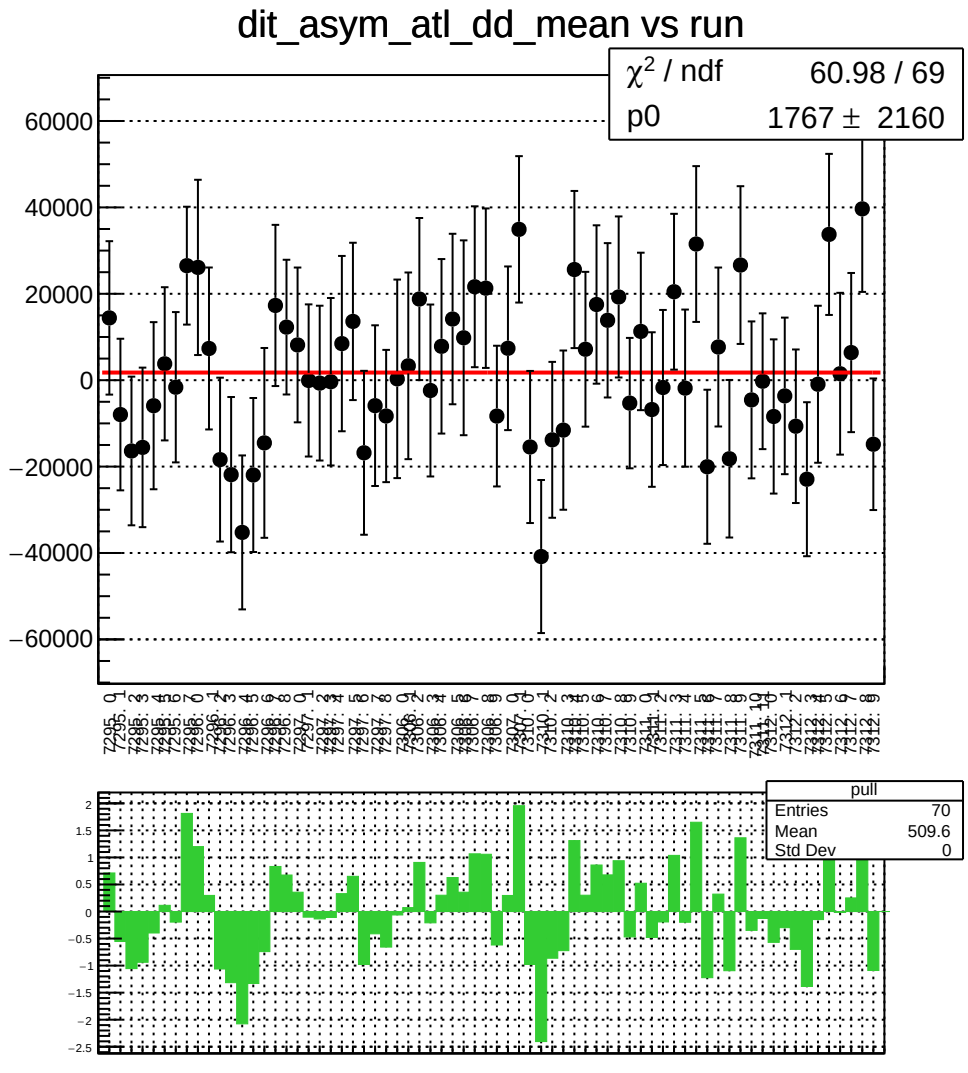

pull1D
Entries 70
Mean 3.804e−05
Std Dev 0.9326

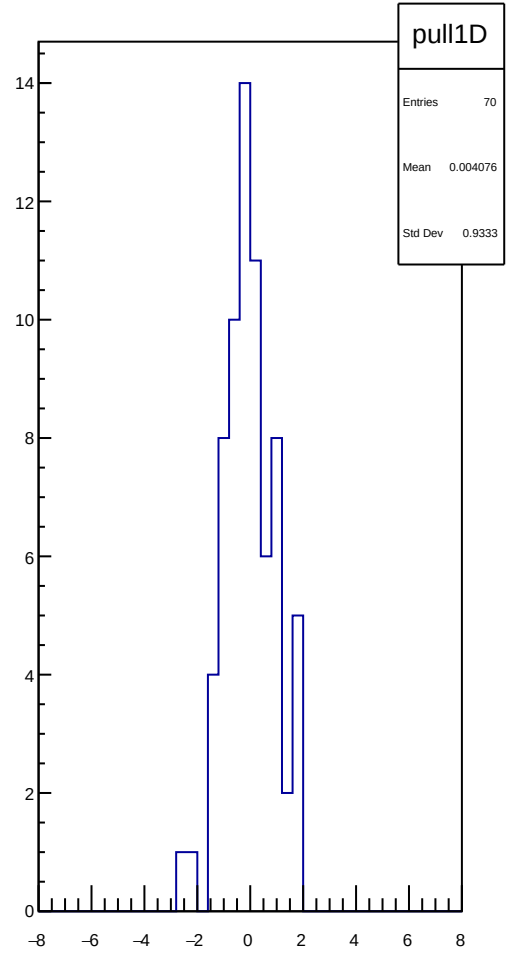

eigen_cor_asym_atl_dd_rms vs run
χ^2 / ndf 4693 / 69
p0 1594 ± 1.39
2100
2000
1900
1800
1700
1600
1500

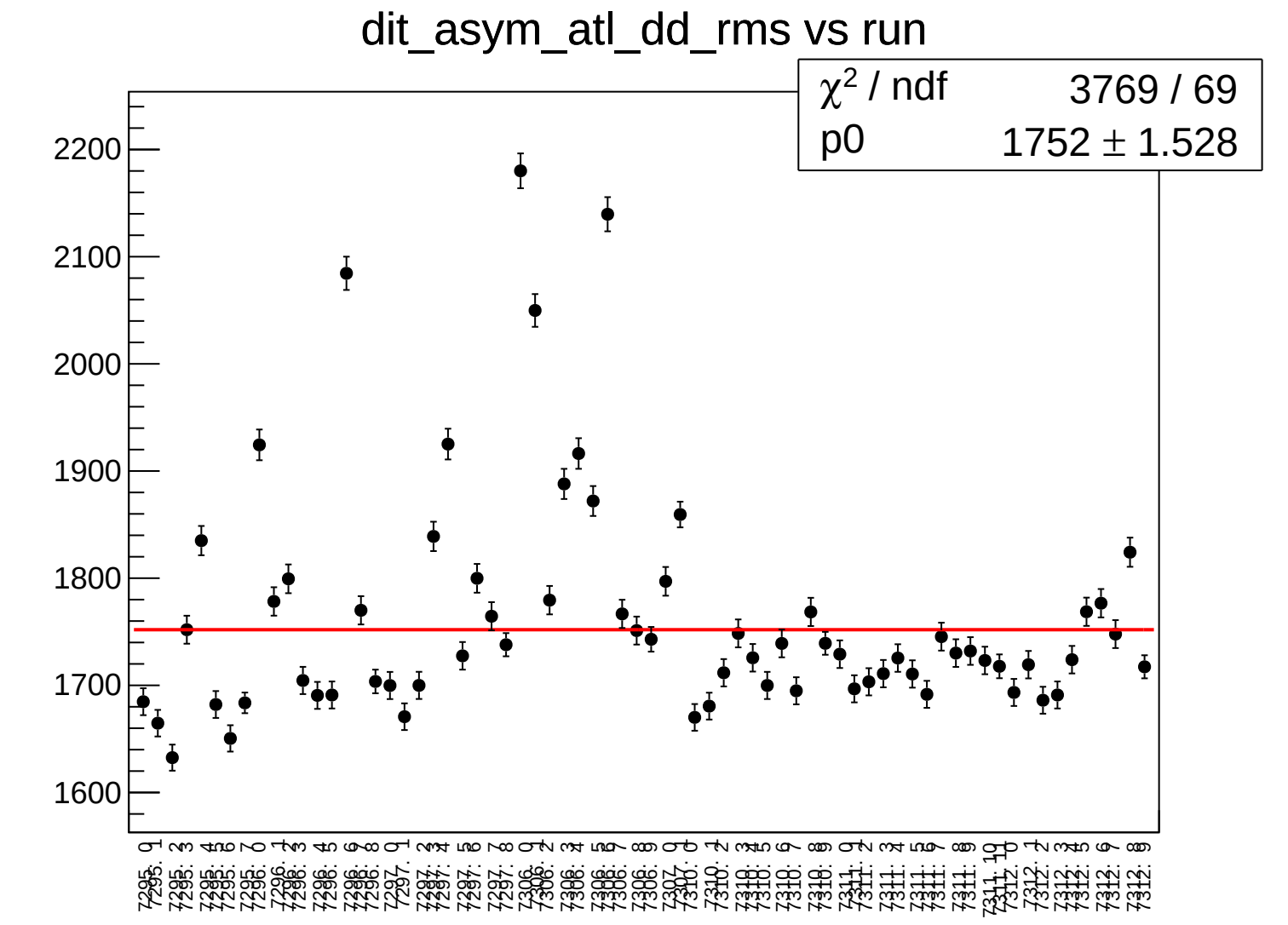

asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.82 / 69
p0 2064 ± 5458
pull
Entries 70
Mean 853.3
Std Dev 0

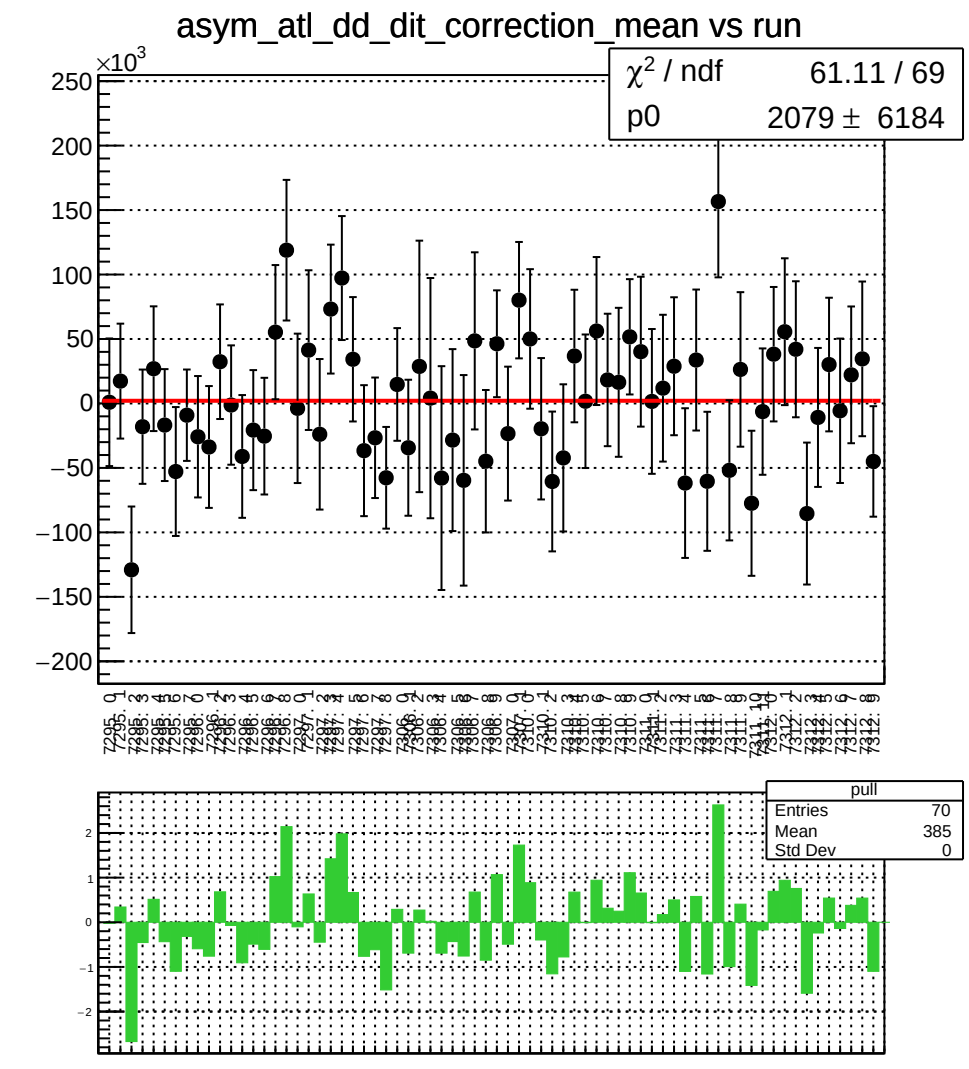

pull1D
Entries 70
Mean 0.002517
Std Dev 0.9244

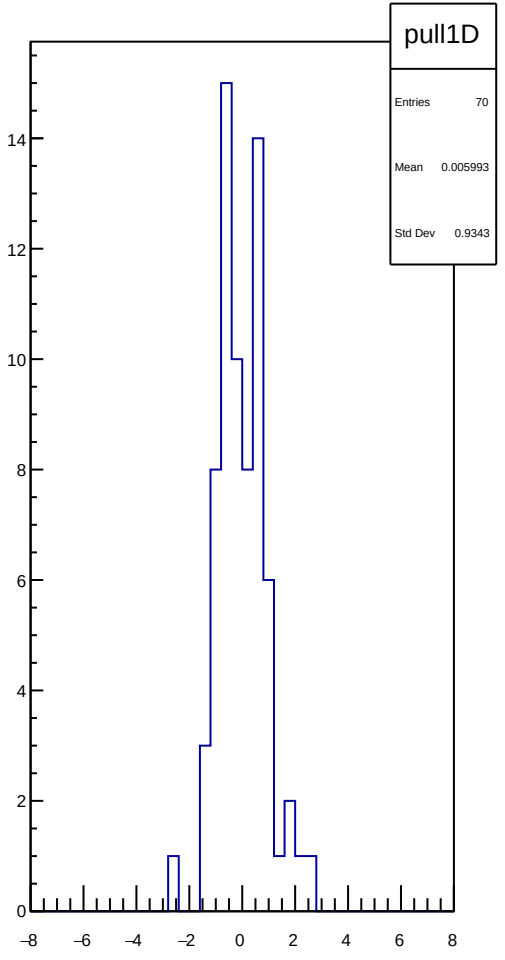

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.44e+04 / 69
p0 4391 ± 3.859
9000
8000
7000
6000
5000
4000

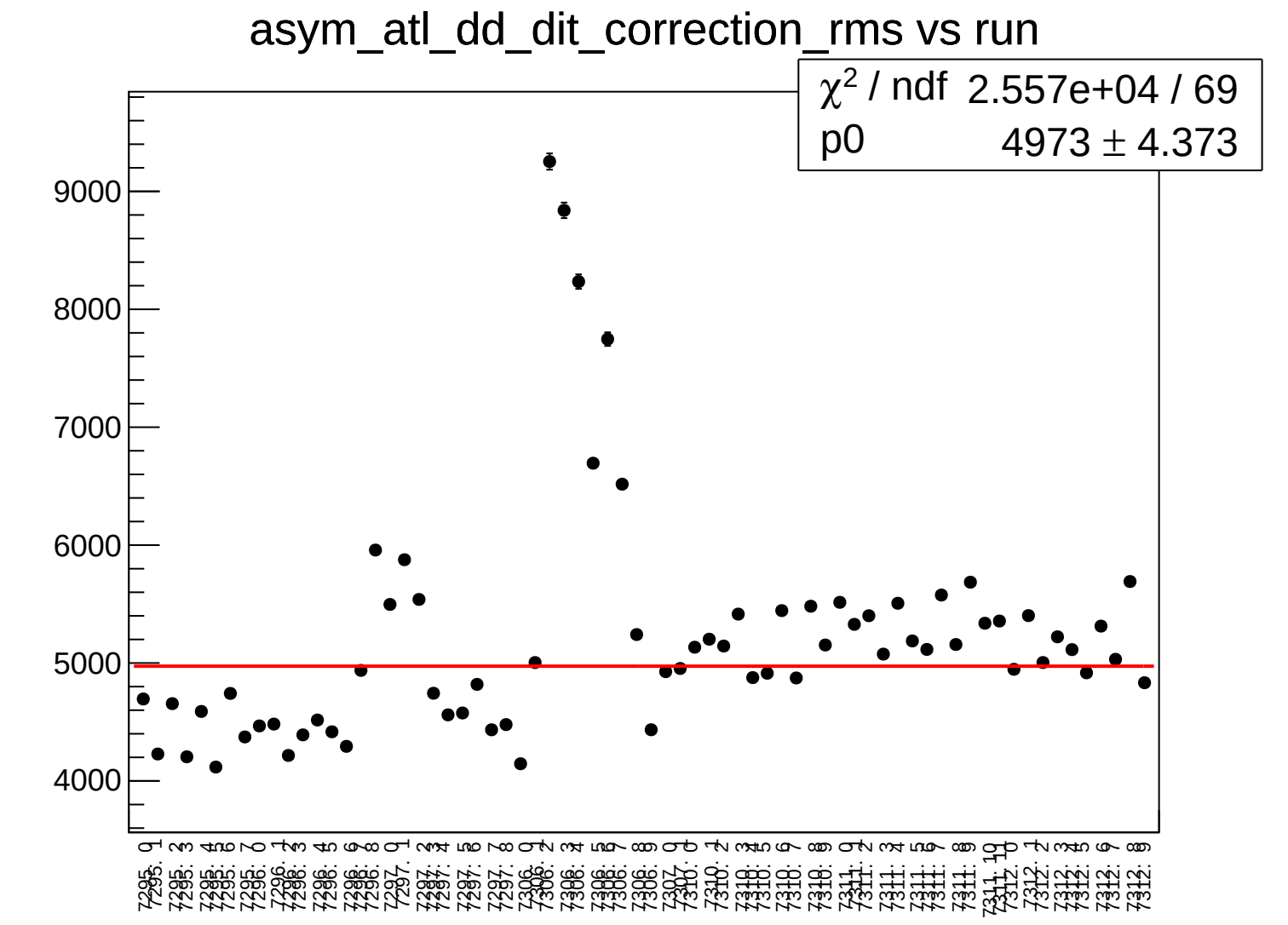

dit_asym_atl_dd_mean vs run
χ^2 / ndf 60.98 / 69
p0 1767 ± 2160
pull
Entries 70
Mean 509.6
Std Dev 0

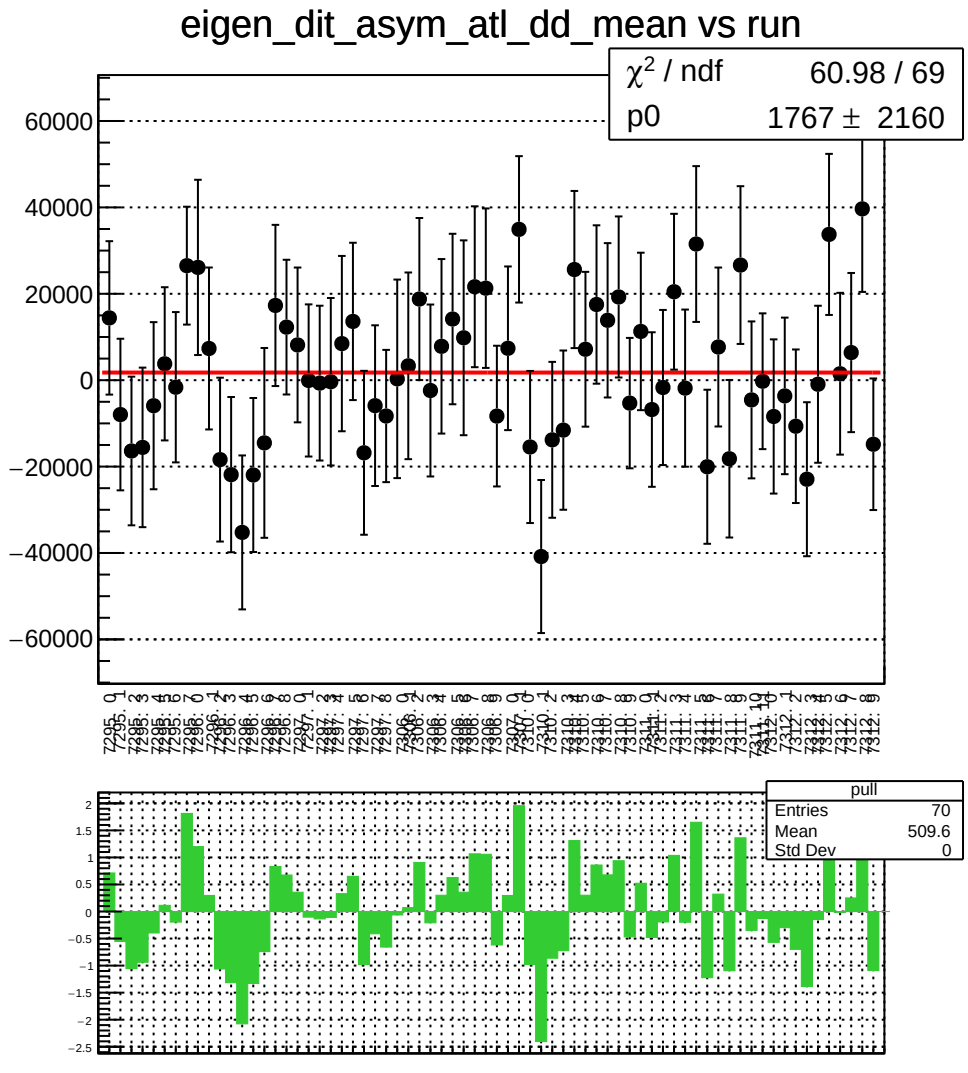

pull1D
Entries 70
Mean 0.004076
Std Dev 0.9333

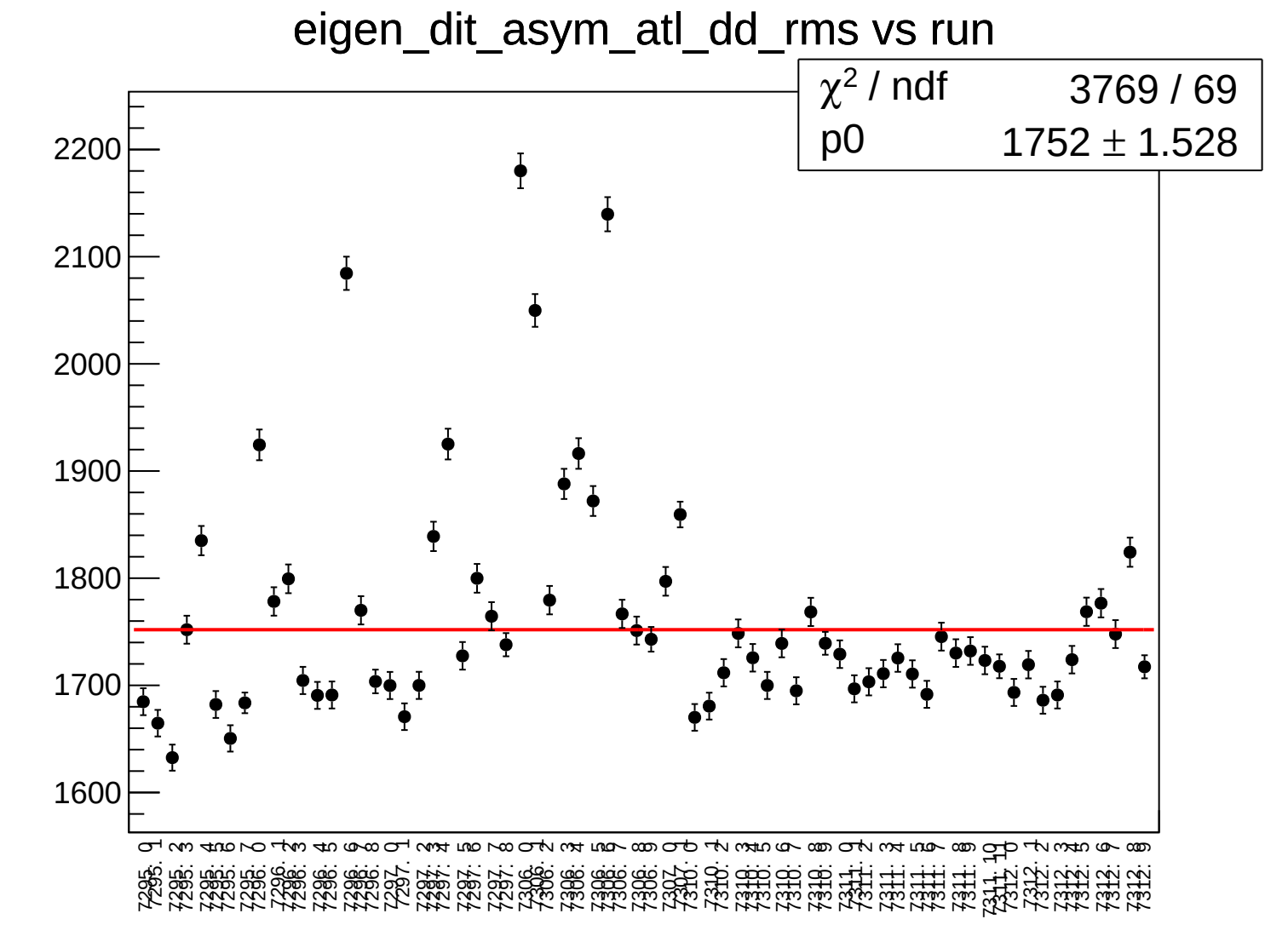

dit_asym_atl_dd_rms vs run
χ² / ndf 3769 / 69
p0 1752 ± 1.528
2200
2100
2000
1900
1800
1700
1600

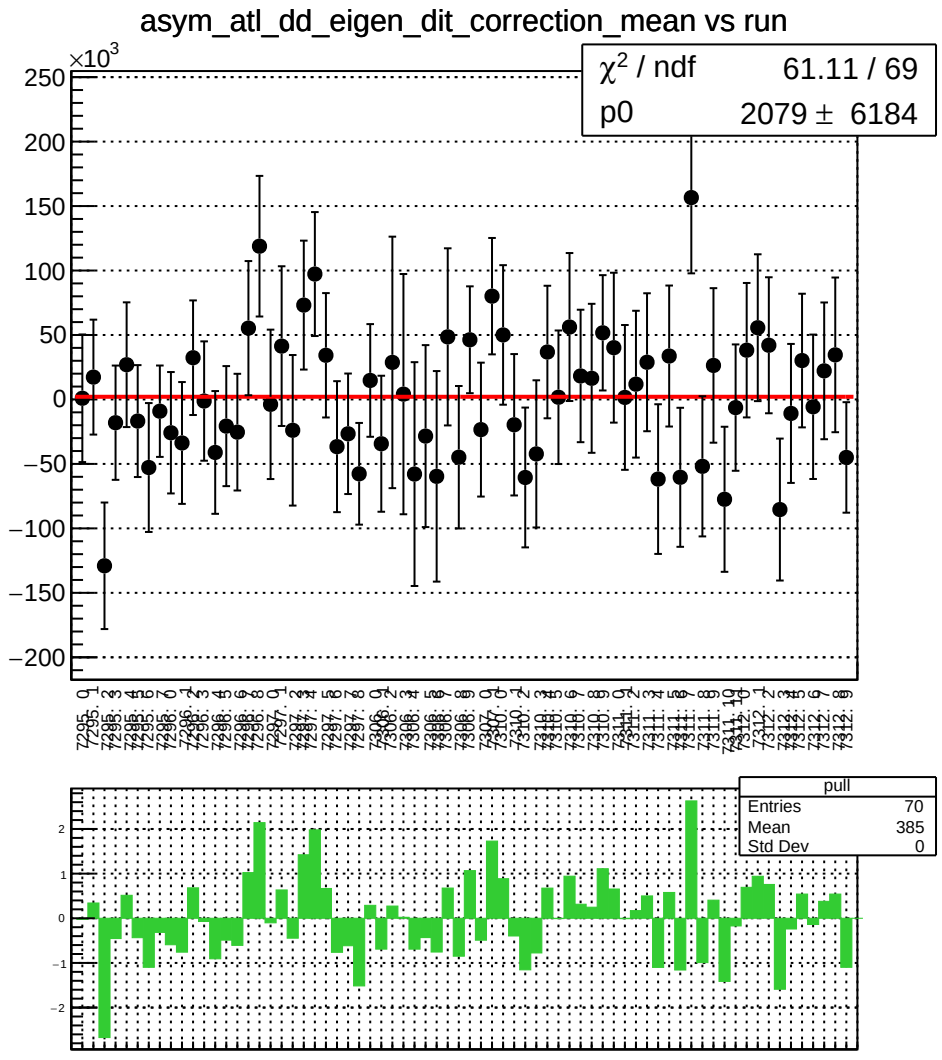

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 61.11 / 69
p0 2079 ± 6184
pull
Entries 70
Mean 385
Std Dev 0

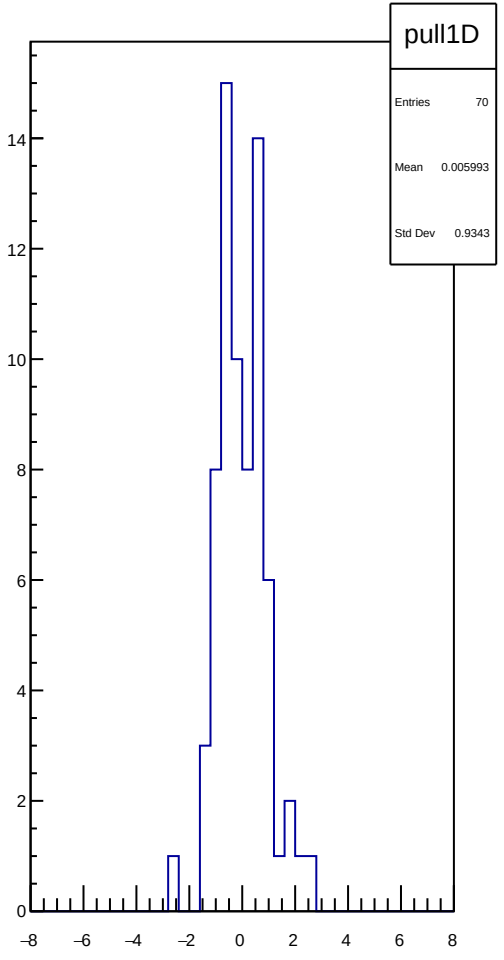

pull1D
Entries 70
Mean 0.005993
Std Dev 0.9343

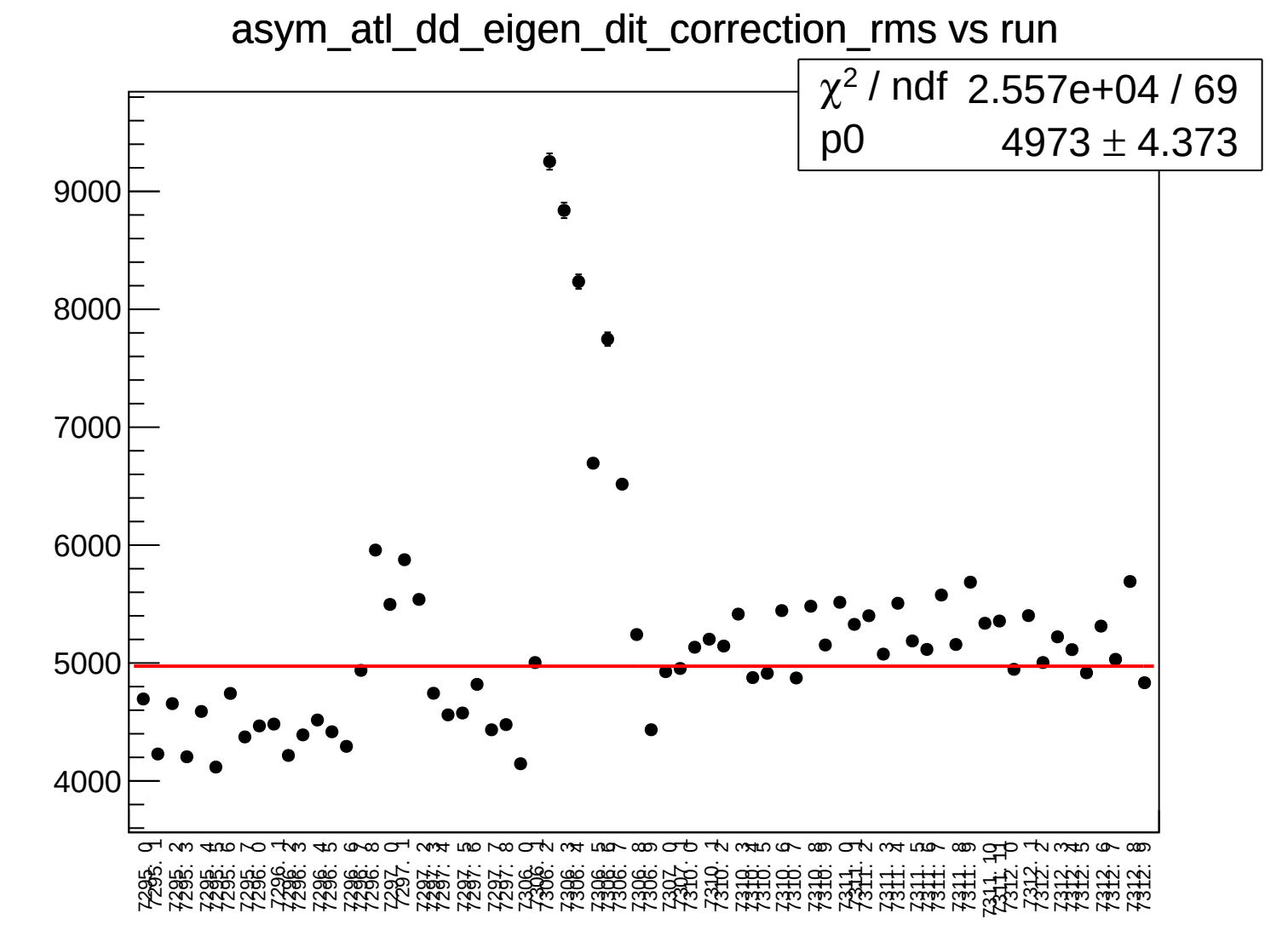

asym_atl_dd_dit_correction_rms vs run
χ^2 / ndf 2.557e+04 / 69
p0 4973 ± 4.373
9000
8000
7000
6000
5000
4000

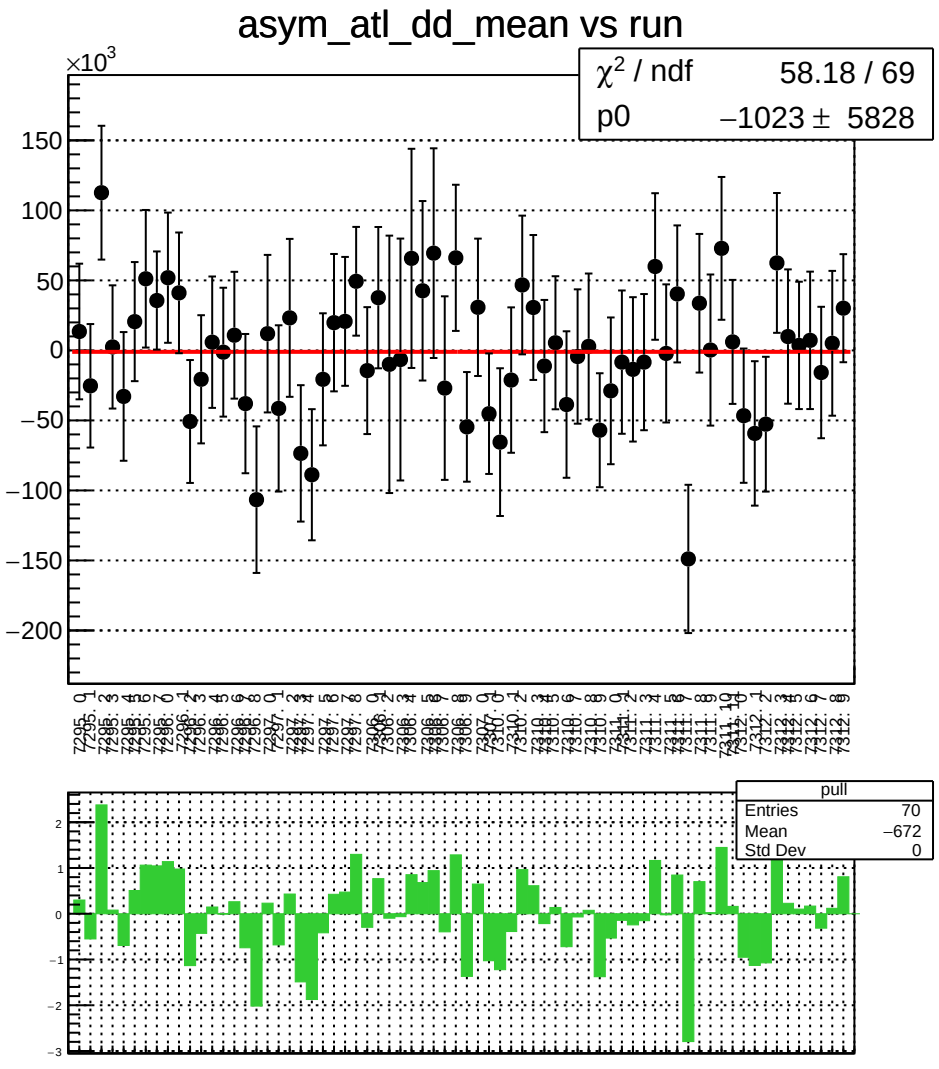

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 60.98 / 69
p0 1767 ± 2160
pull
Entries 70
Mean 509.6
Std Dev 0
pull1D
Entries 70
Mean 0.004076
Std Dev 0.9333

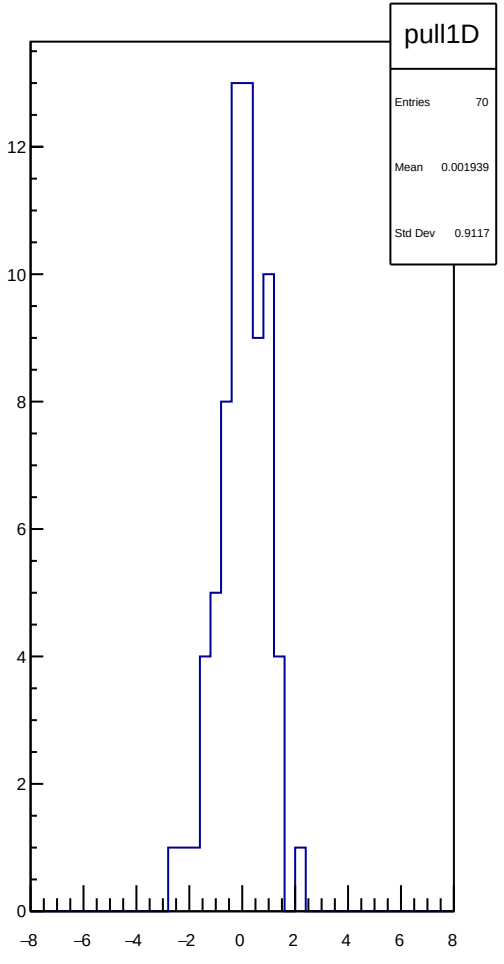

eigen_dit_asym_atl_dd_rms vs run
χ^2 / ndf 3769 / 69
p0 1752 ± 1.528
2200
2100
2000
1900
1800
1700
1600

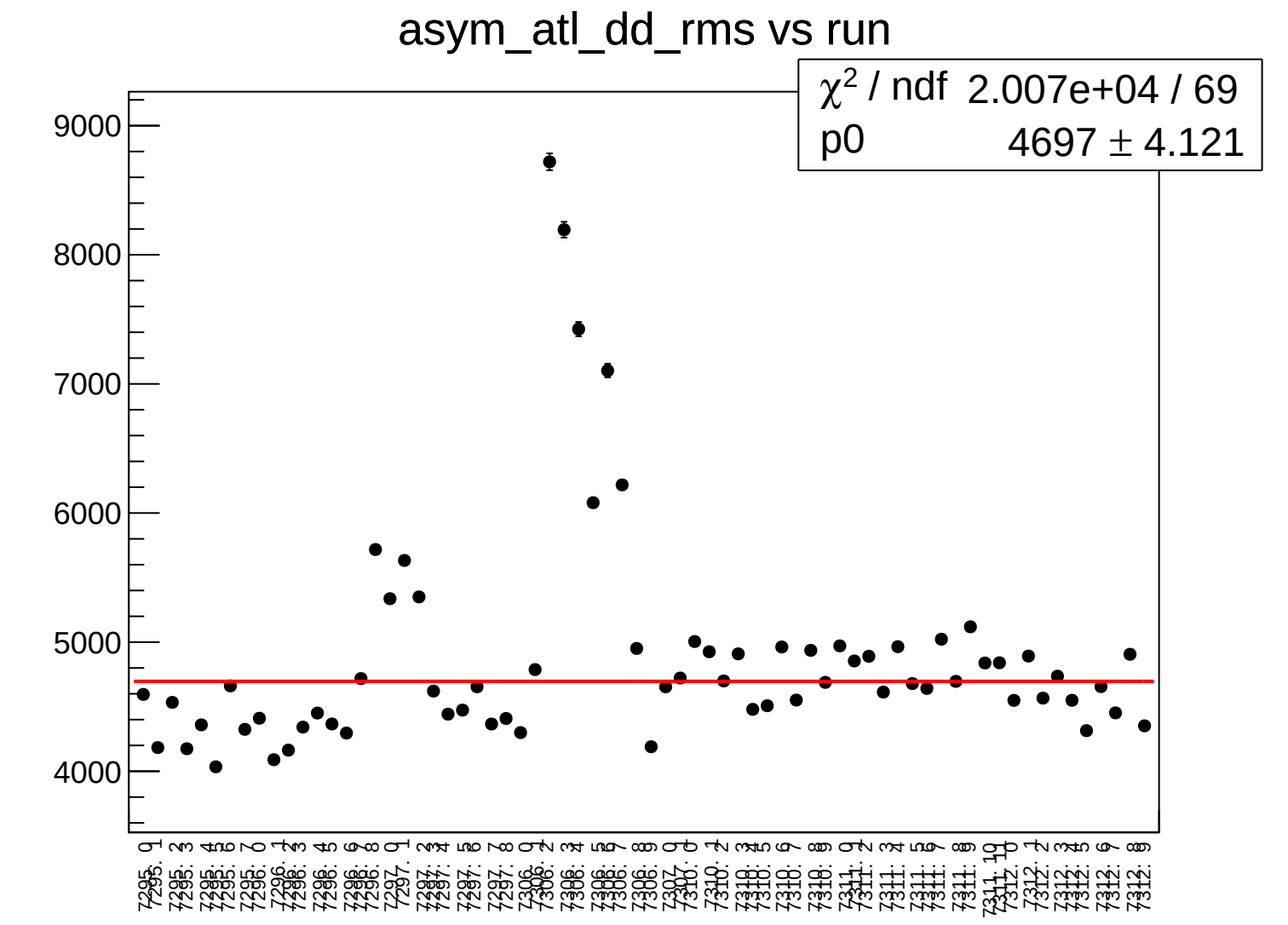

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 61.11 / 69
p0 2079 ± 6184
pull
Entries 70
Mean 385
Std Dev 0

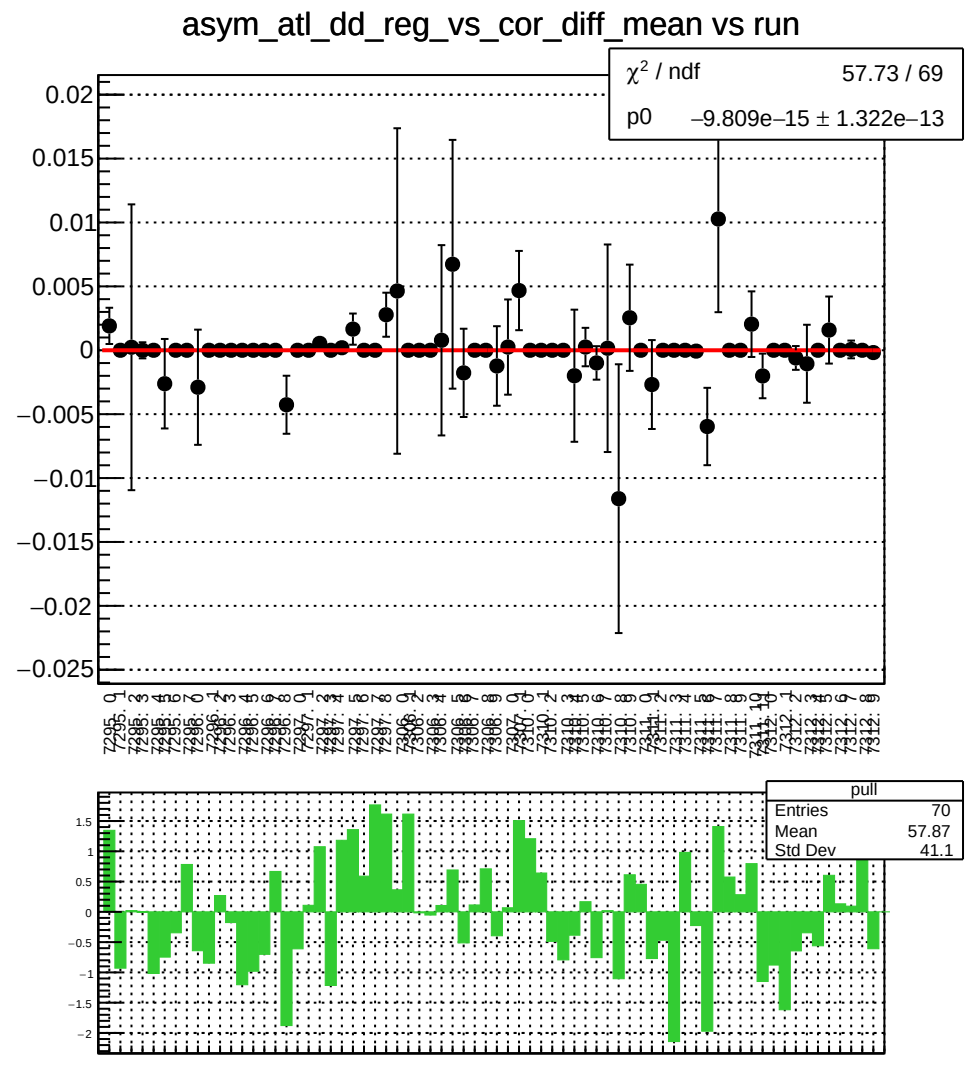

pull1D
Entries 70
Mean 0.005993
Std Dev 0.9343

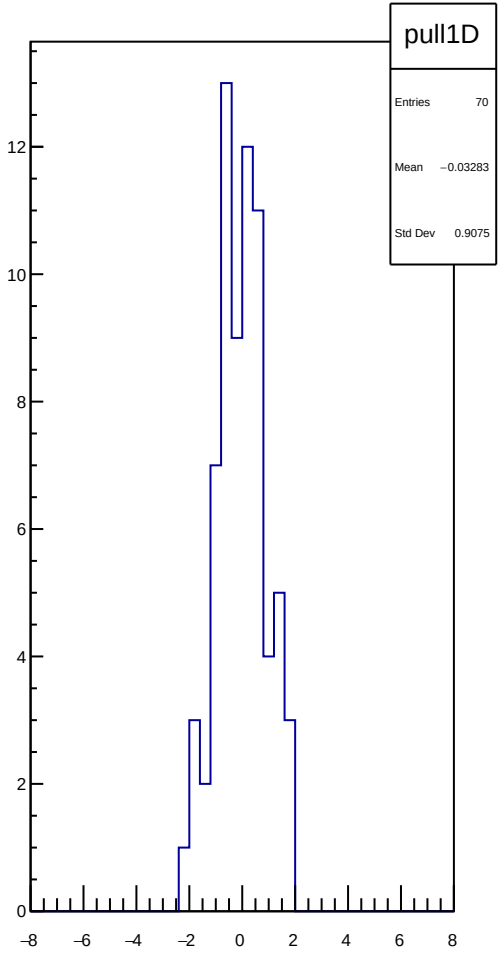

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.557e+04 / 69
p0 4973 ± 4.373
9000
8000
7000
6000
5000
4000

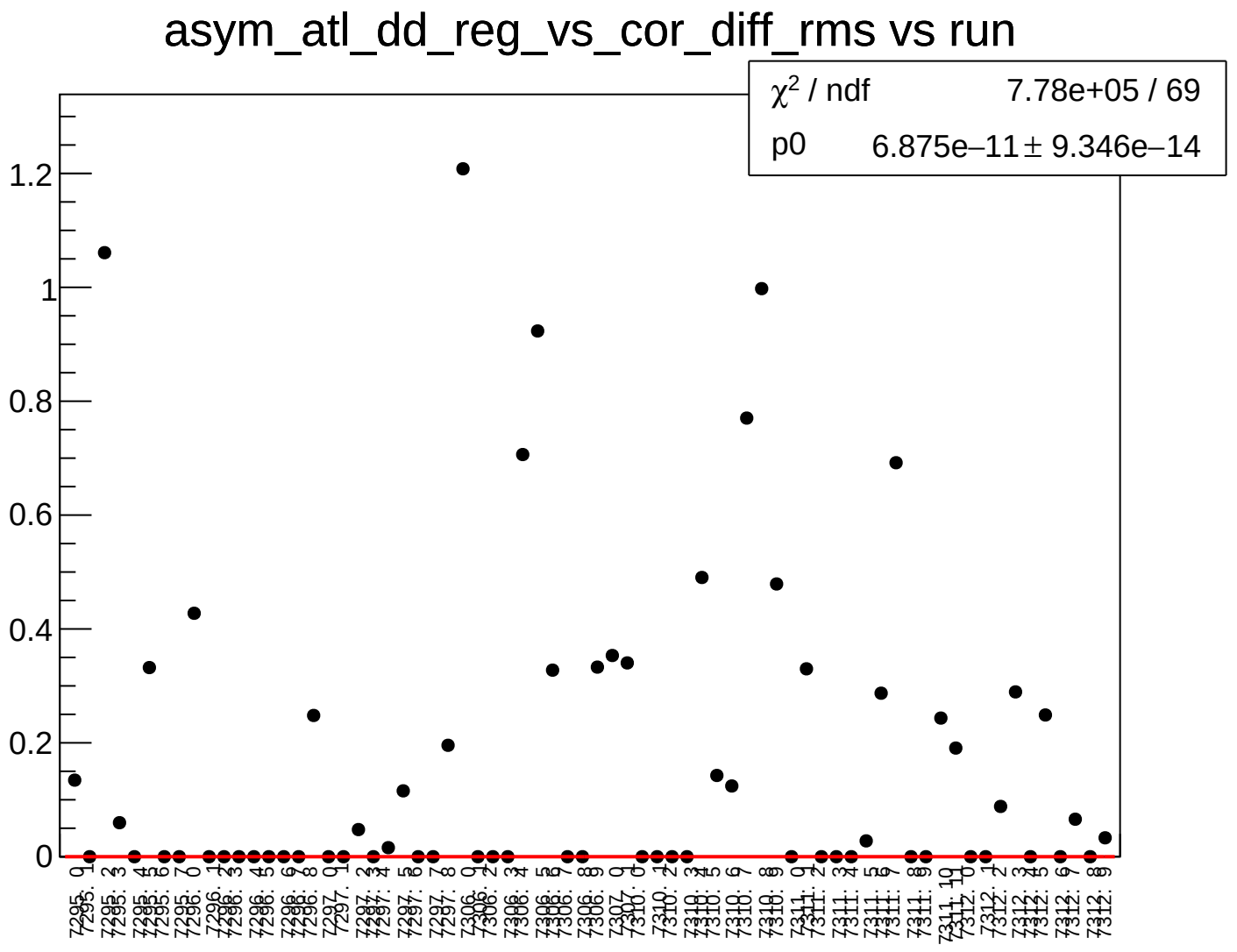

asym_atl_dd_mean vs run
×10^3
χ² / ndf 58.18 / 69
p0 −1023 ± 5828
150
100
50
0
−50
−100
−150
−200
pull
Entries 70
Mean −672
Std Dev 0
2
1
0
−1
−2
−3

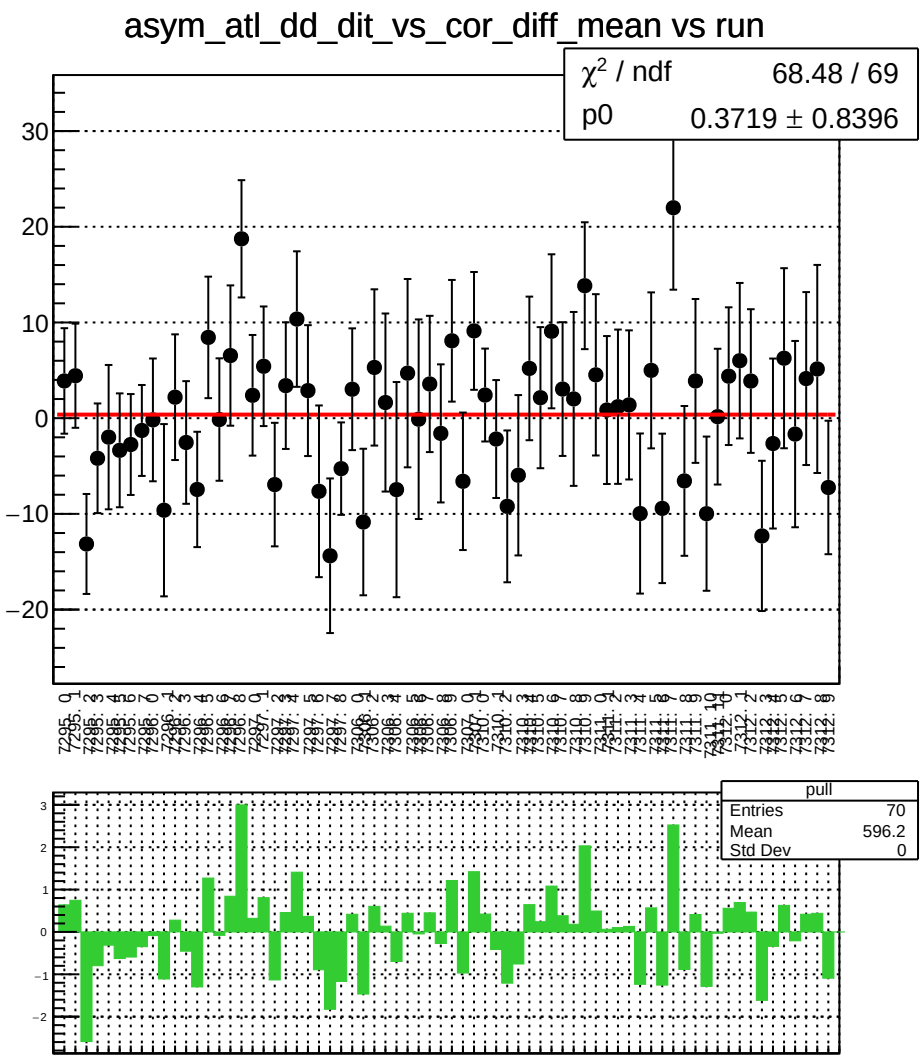

pull1D
Entries 70
Mean 0.001939
Std Dev 0.9117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

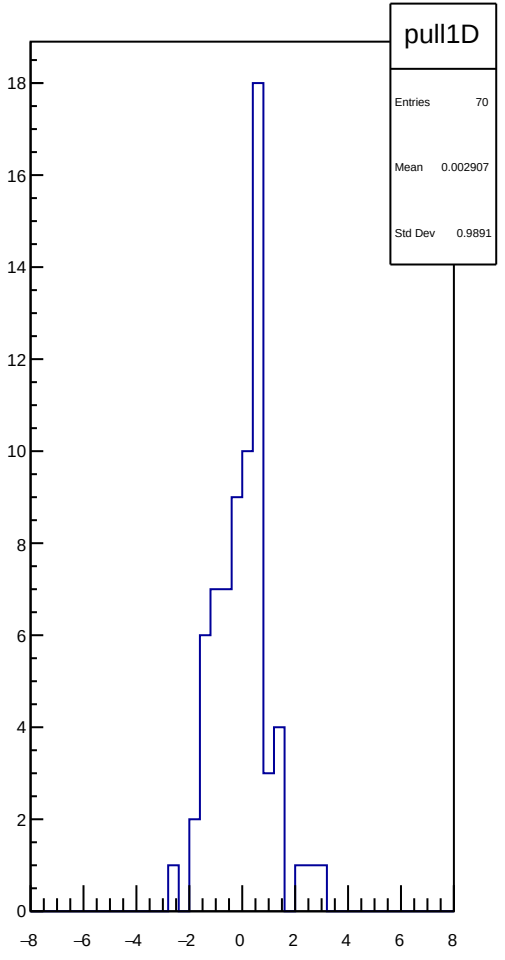

asym_atl_dd_rms vs run
χ^2 / ndf 2.007e+04 / 69
p0 4697 ± 4.121
9000
8000
7000
6000
5000
4000

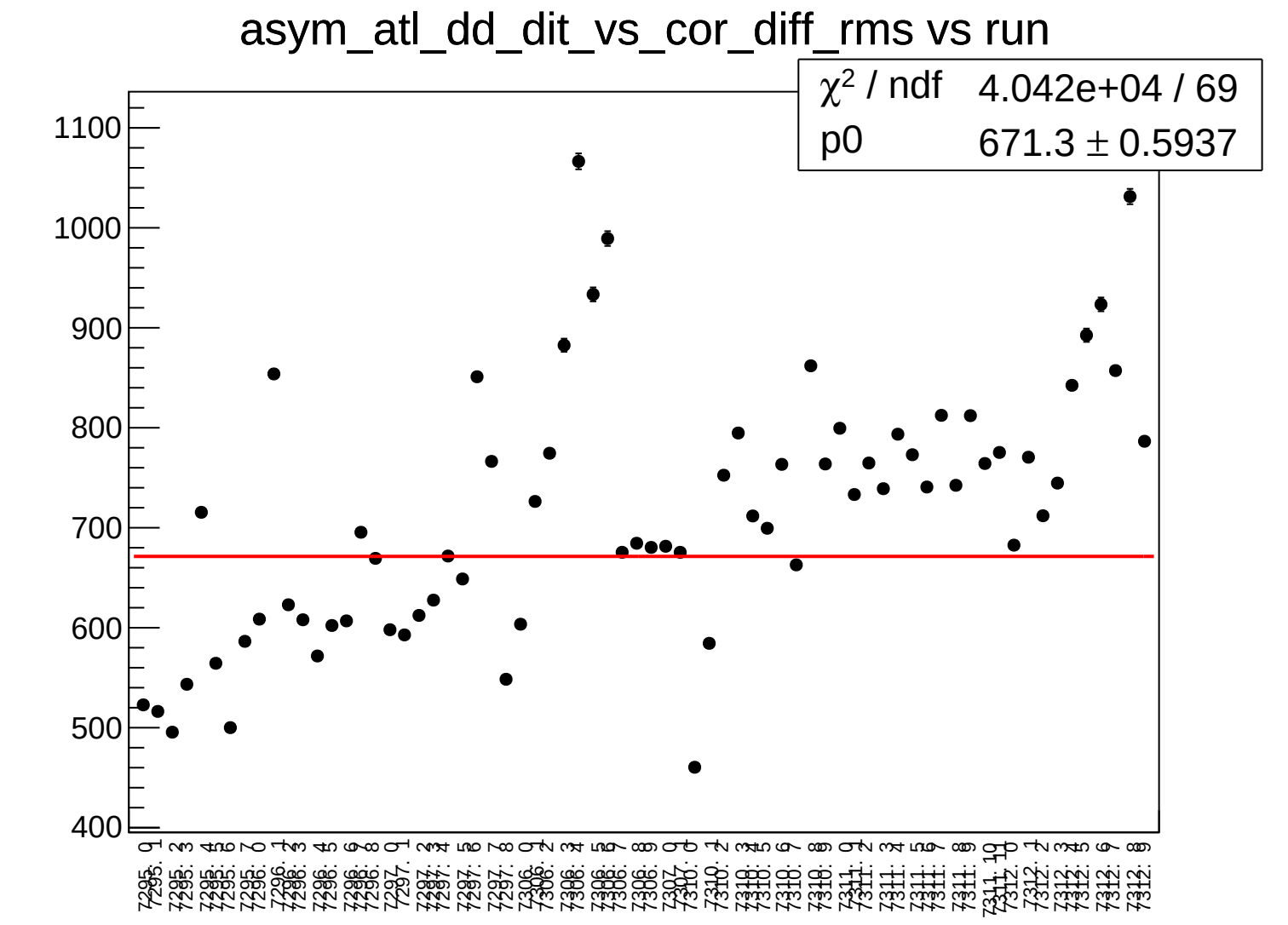

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.73 / 69
p0 −9.809e−15 ± 1.322e−13
pull
Entries 70
Mean 57.87
Std Dev 41.1

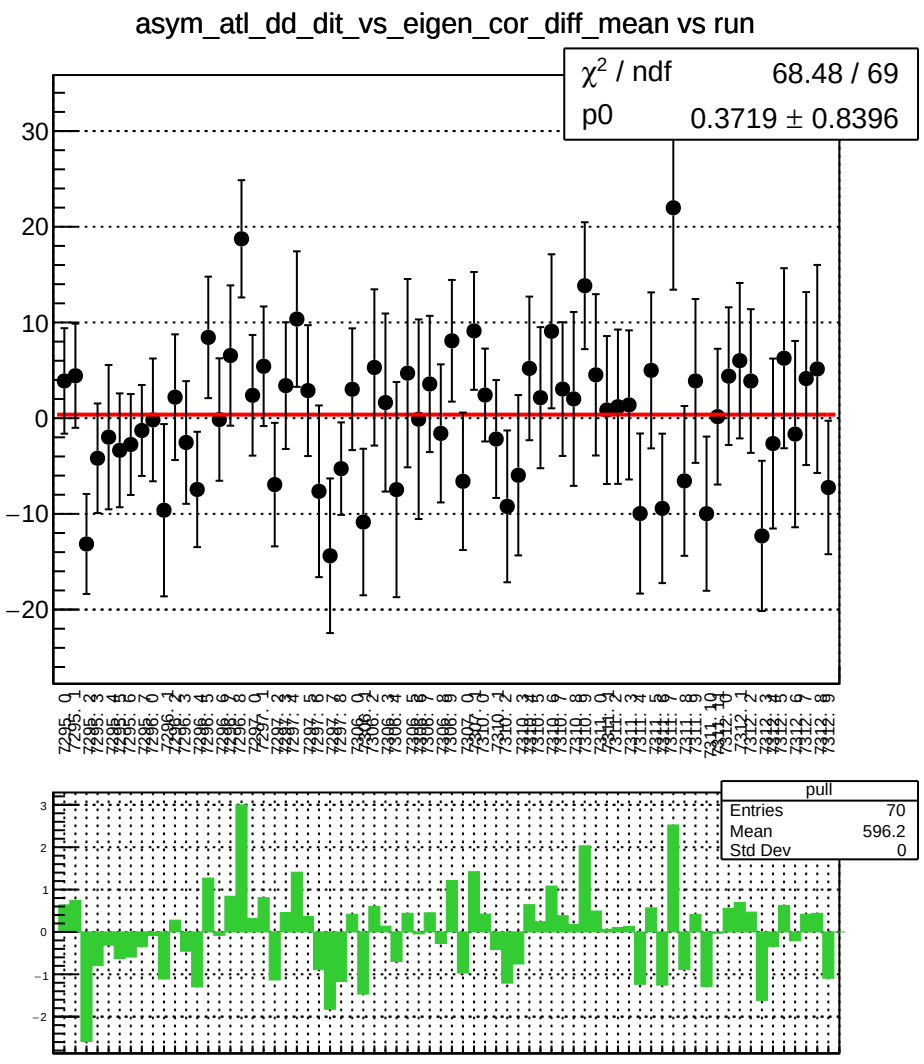

pull1D
Entries 70
Mean −0.03283
Std Dev 0.9075

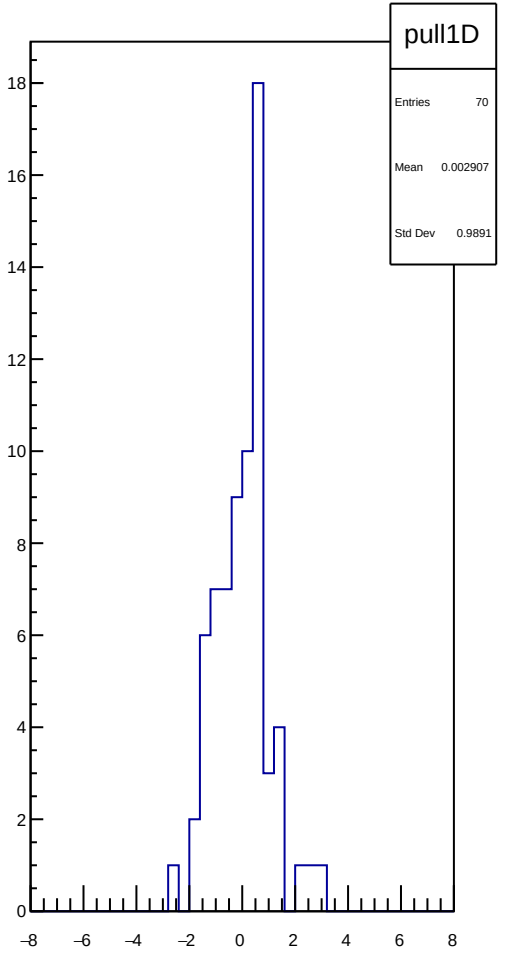

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.78e+05 / 69
p0 6.875e−11 ± 9.346e−14
1.2
1
0.8
0.6
0.4
0.2
0

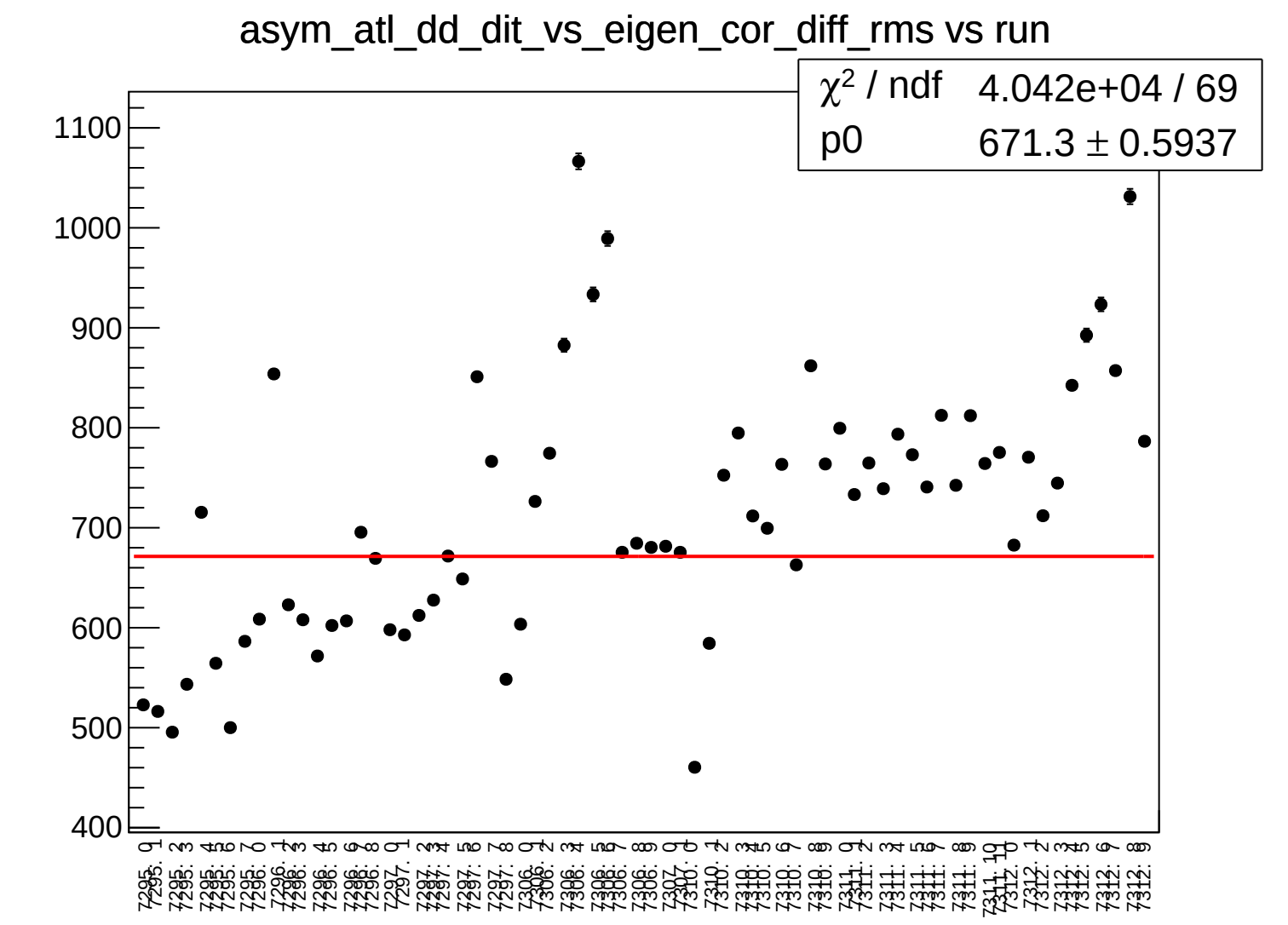

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.48 / 69
p0 0.3719 ± 0.8396
pull
Entries 70
Mean 596.2
Std Dev 0

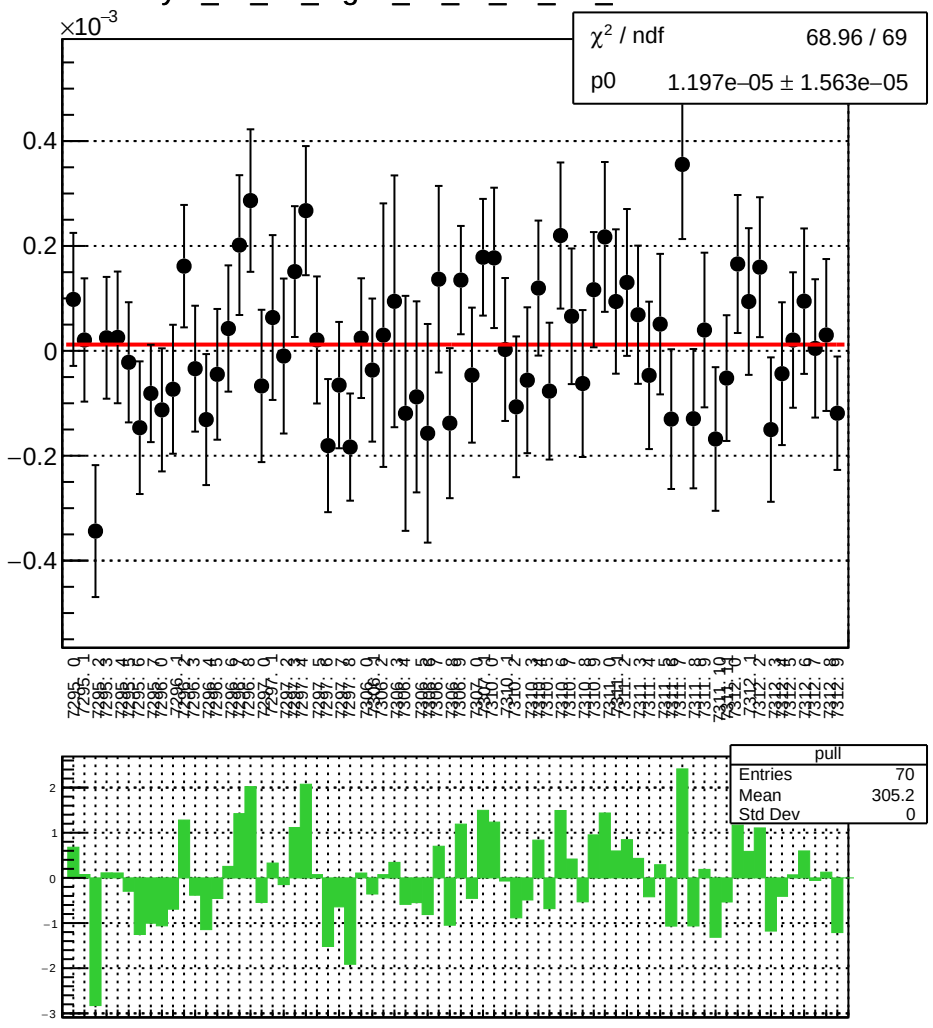

pull1D
Entries 70
Mean 0.002907
Std Dev 0.9891

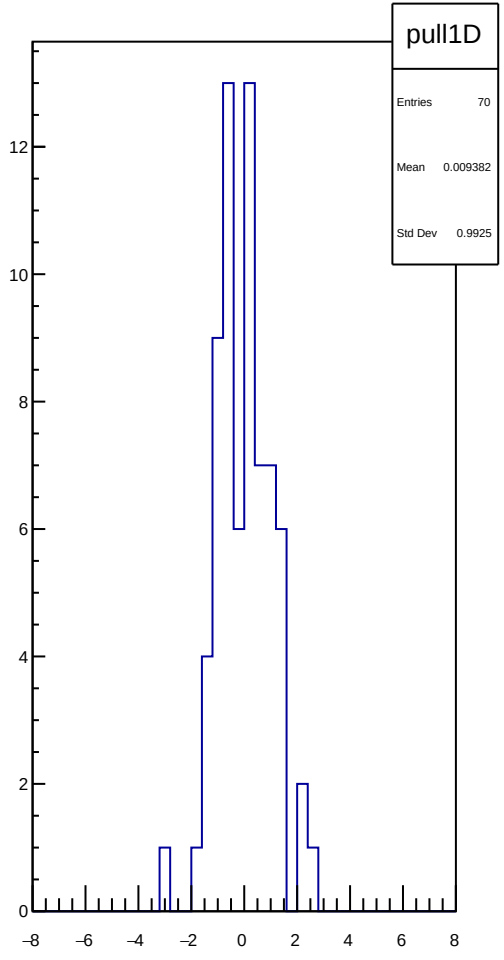

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.042e+04 / 69
p0 671.3 ± 0.5937
1100
1000
900
800
700
600
500
400

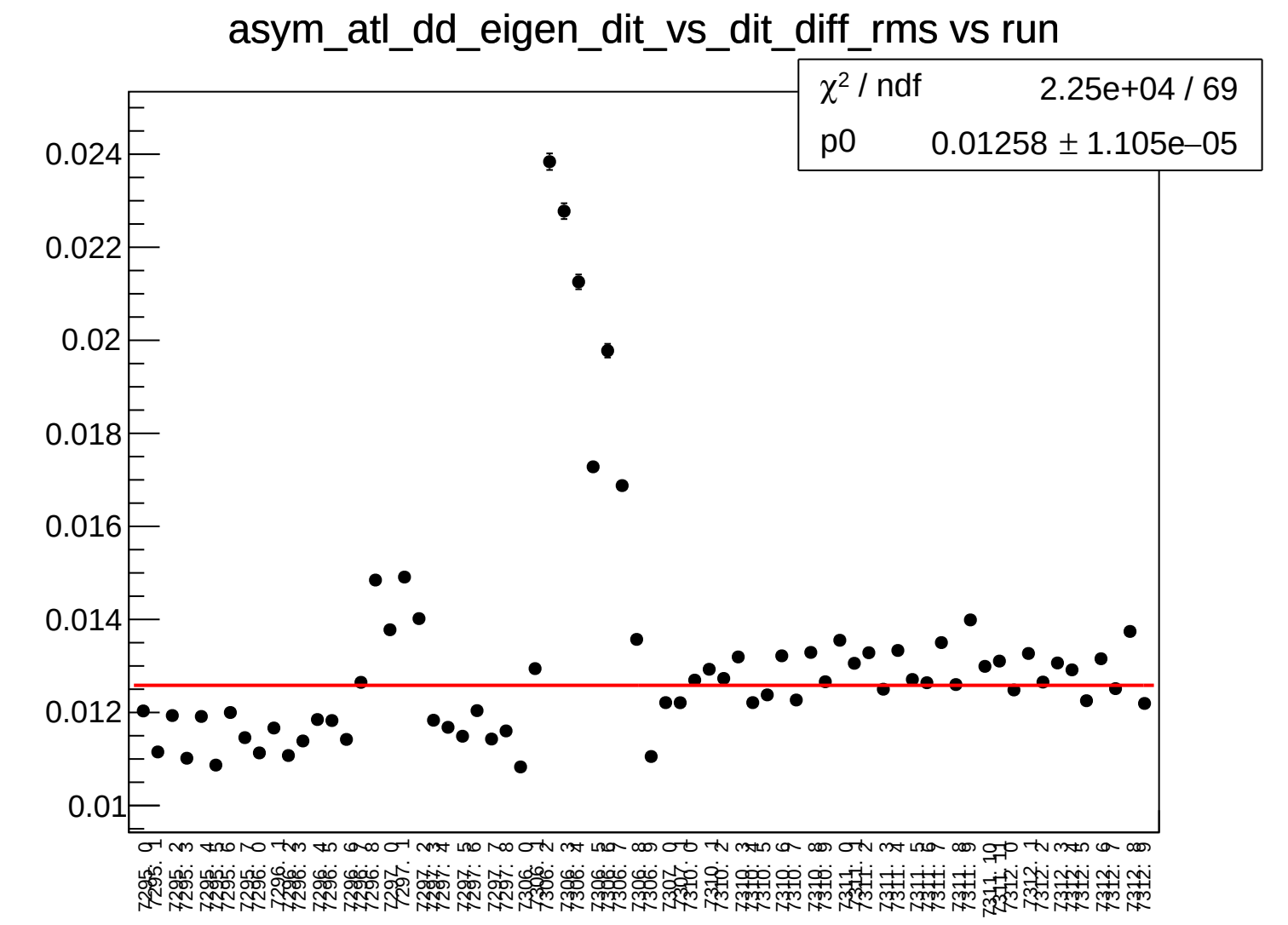

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.48 / 69
p0 0.3719 ± 0.8396
pull
Entries 70
Mean 596.2
Std Dev 0

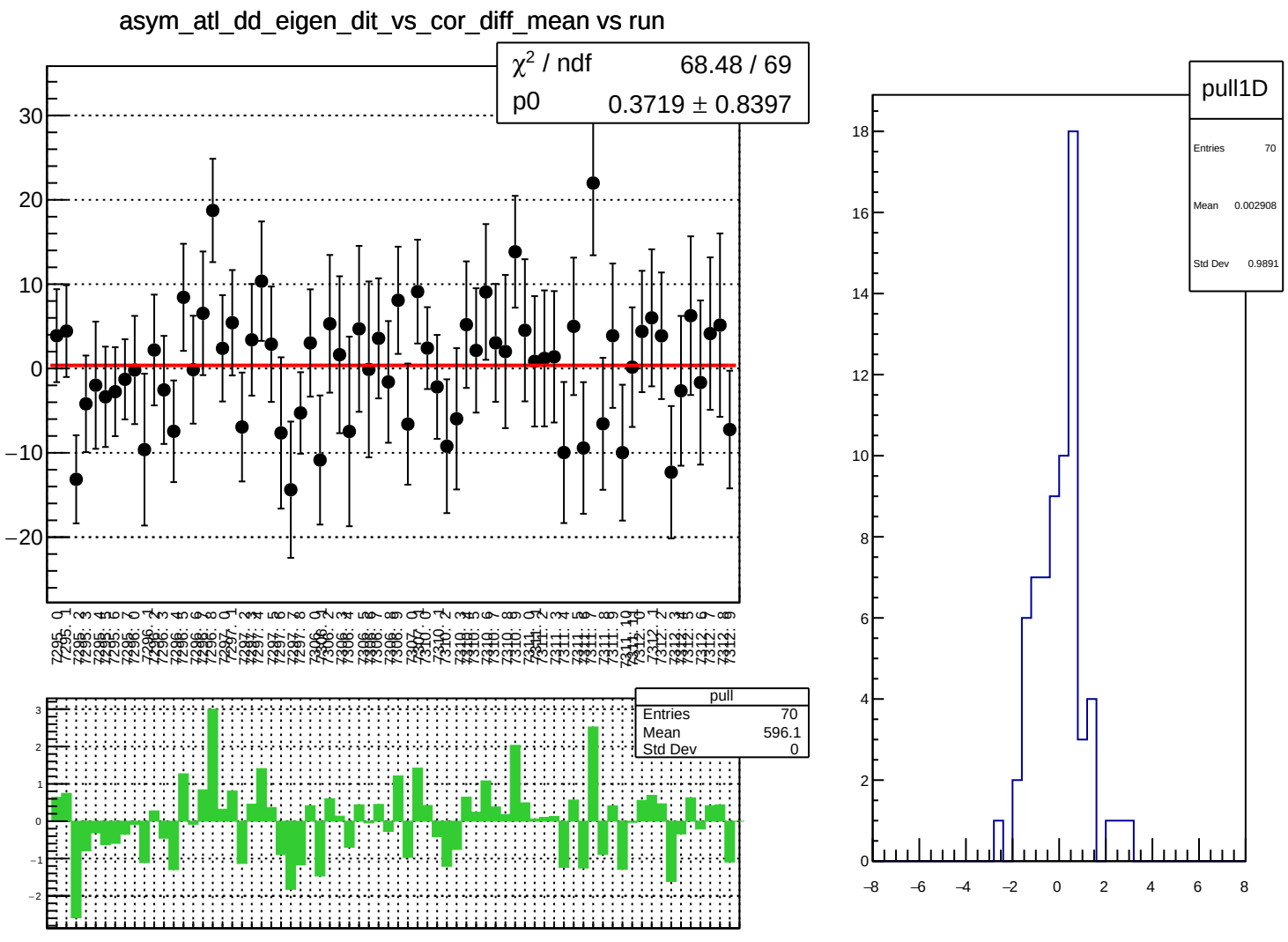

pull1D
Entries 70
Mean 0.002907
Std Dev 0.9891

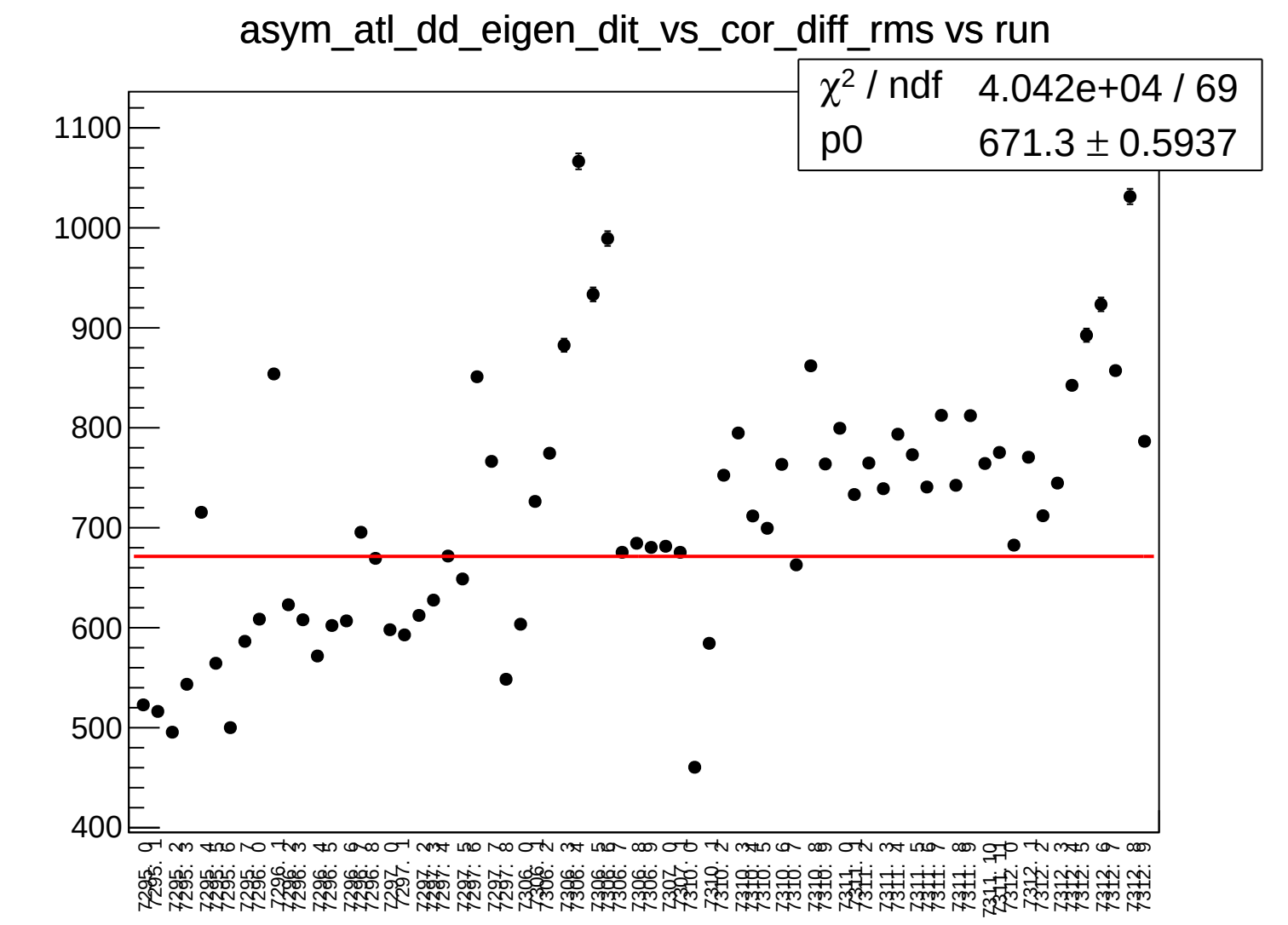

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.042e+04 / 69
p0 671.3 ± 0.5937
1100
1000
900
800
700
600
500
400

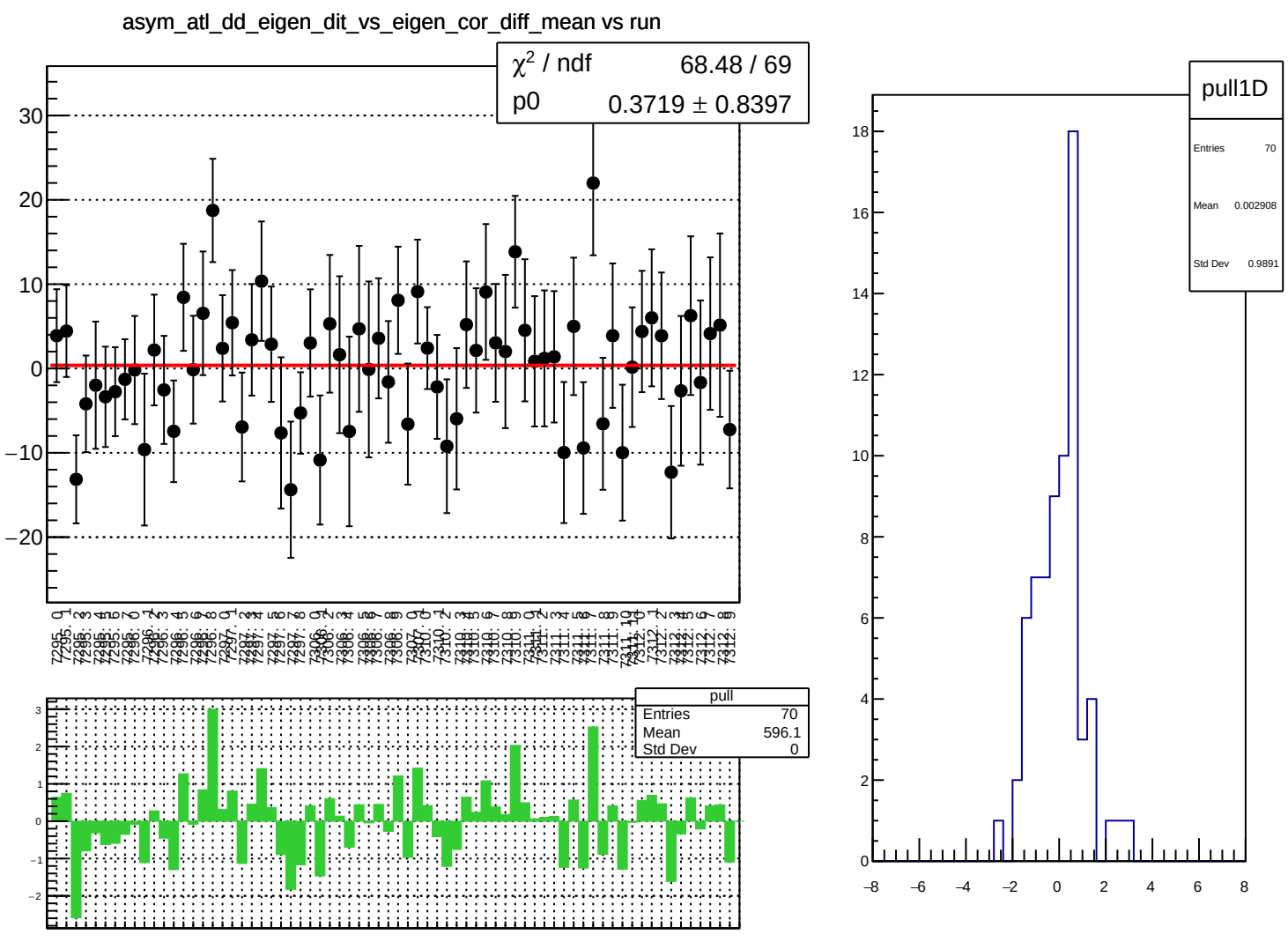

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.96 / 69
p0 1.197e−05 ± 1.563e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 305.2
Std Dev 0
2
1
0
−1
−2
−3

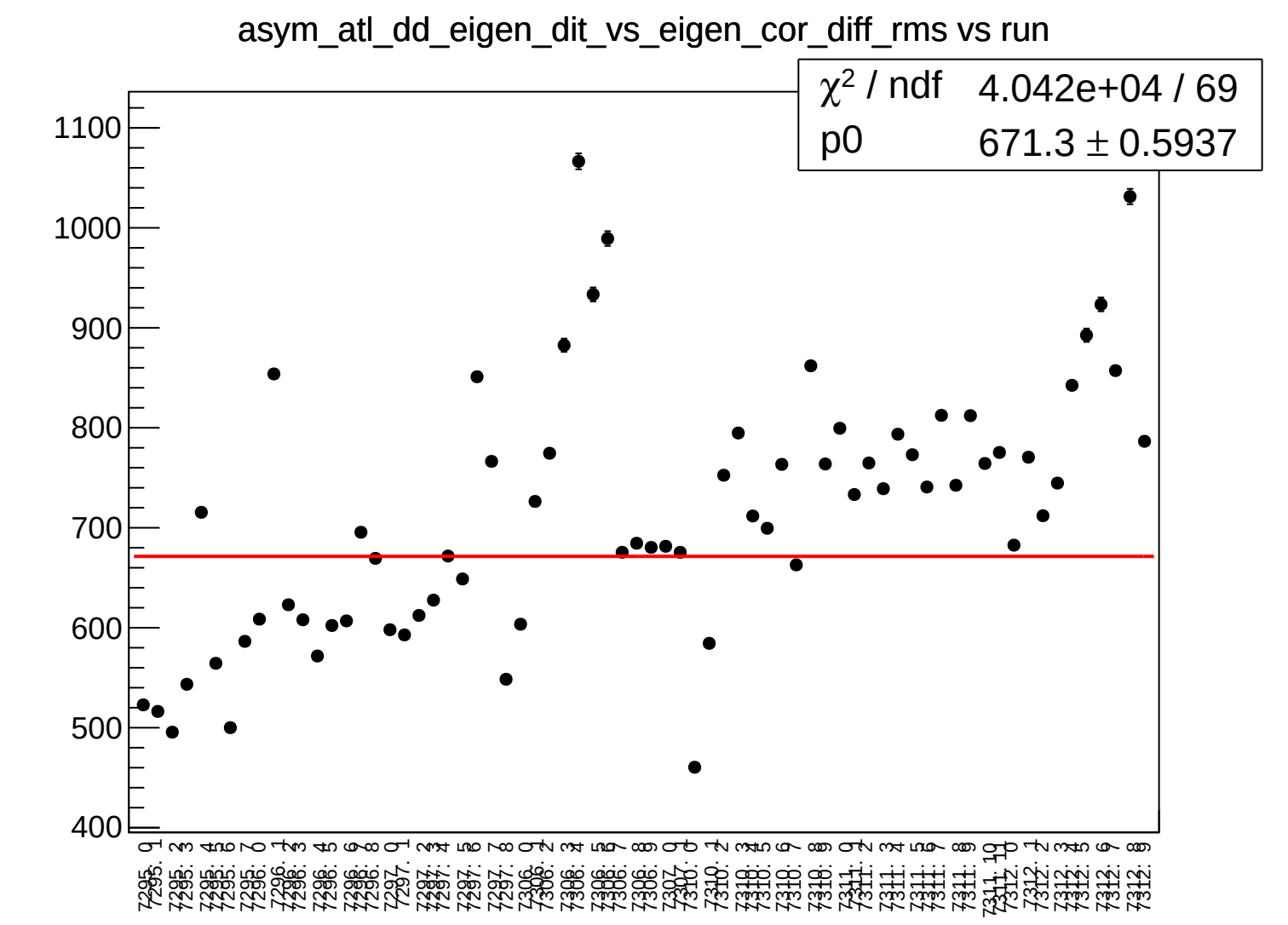

pull1D
Entries 70
Mean 0.009382
Std Dev 0.9925
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

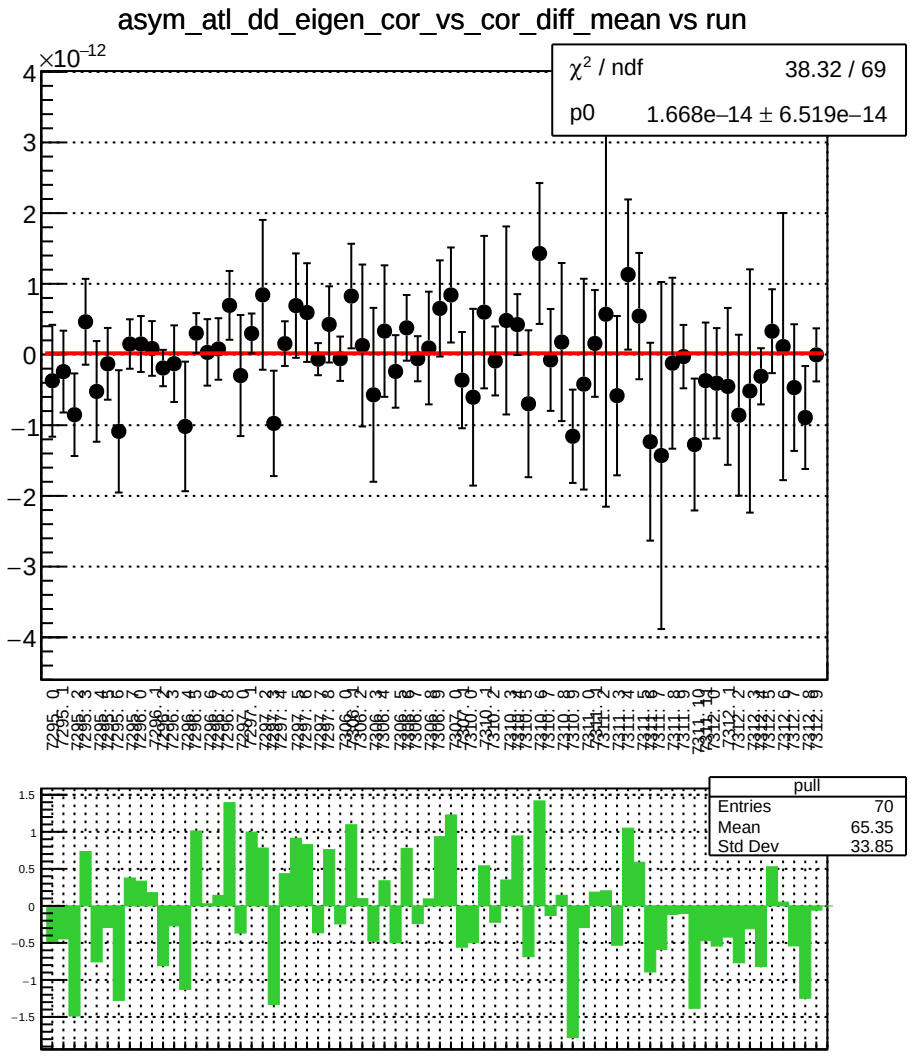

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.25e+04 / 69
p0 0.01258 ± 1.105e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

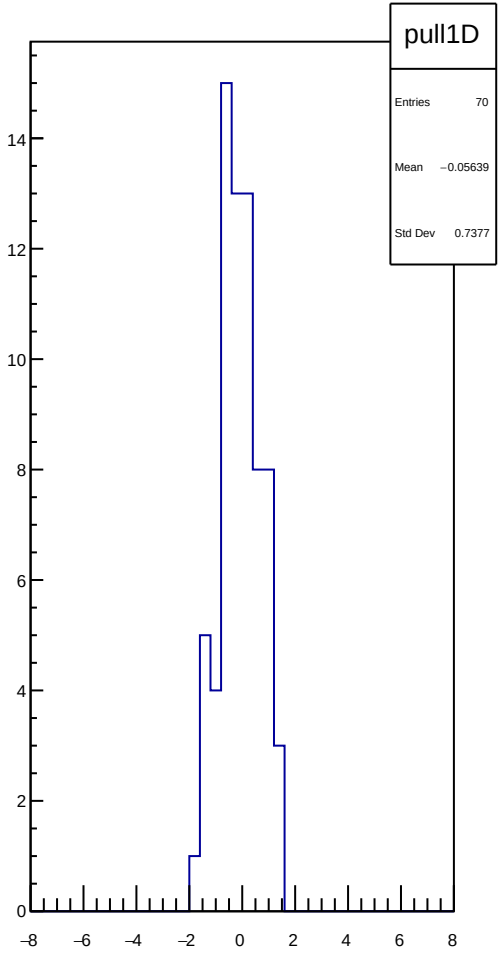

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.48 / 69
p0 0.3719 ± 0.8397
pull
Entries 70
Mean 596.1
Std Dev 0
pull1D
Entries 70
Mean 0.002908
Std Dev 0.9891

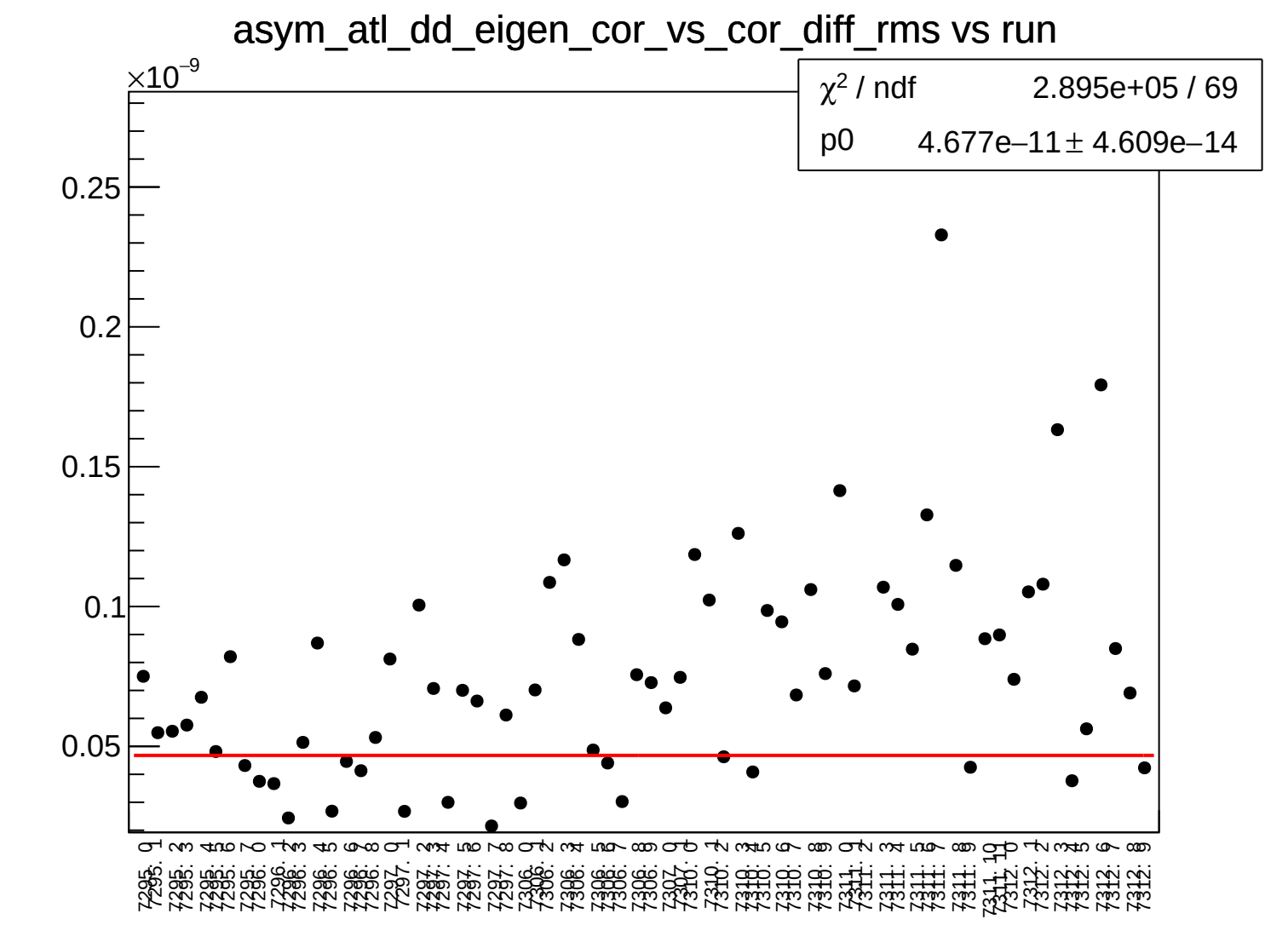

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.042e+04 / 69
p0 671.3 ± 0.5937
1100
1000
900
800
700
600
500
400

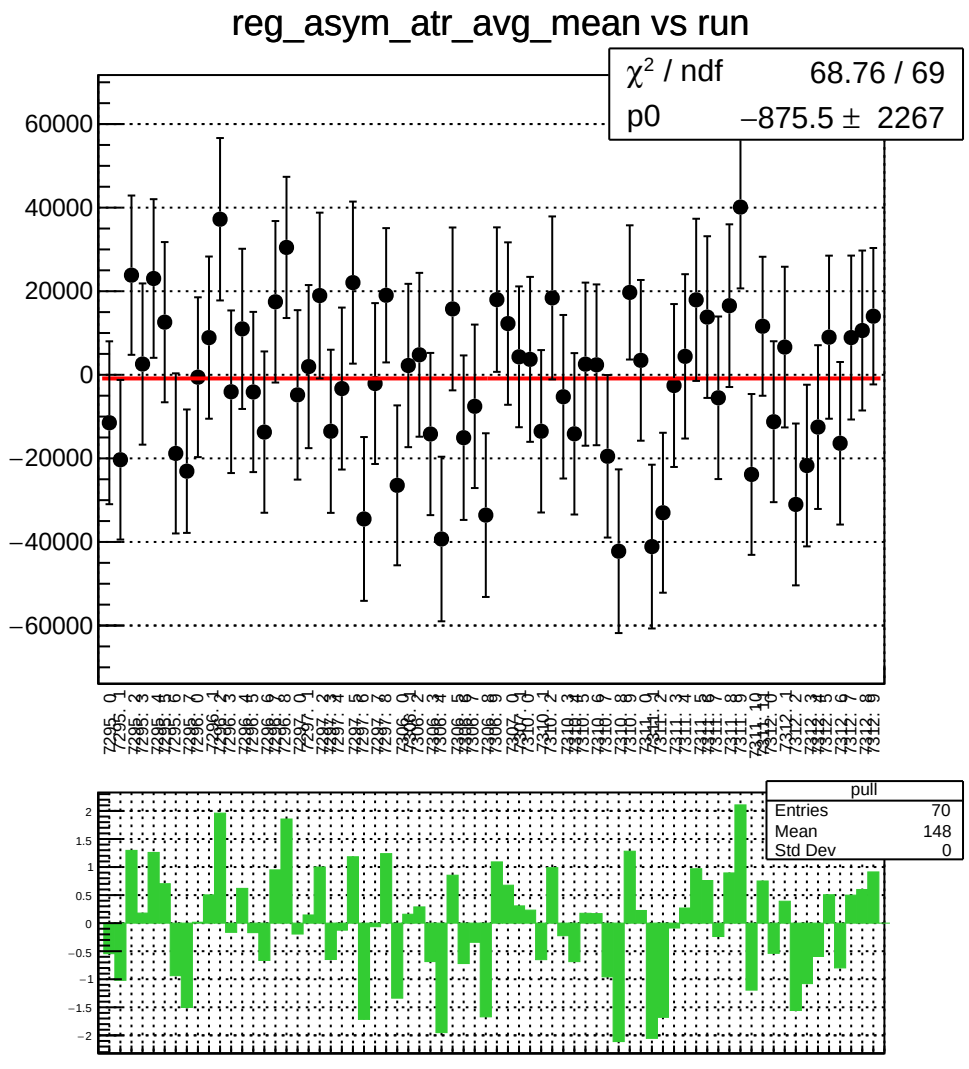

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.48 / 69
p0 0.3719 ± 0.8397
pull
Entries 70
Mean 596.1
Std Dev 0
pull1D
Entries 70
Mean 0.002908
Std Dev 0.9891

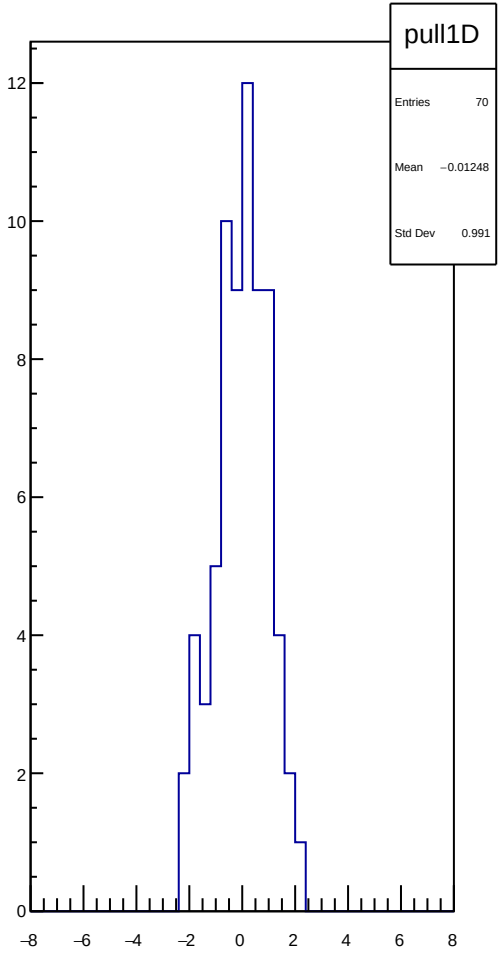

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.042e+04 / 69
p0 671.3 ± 0.5937
1100
1000
900
800
700
600
500
400

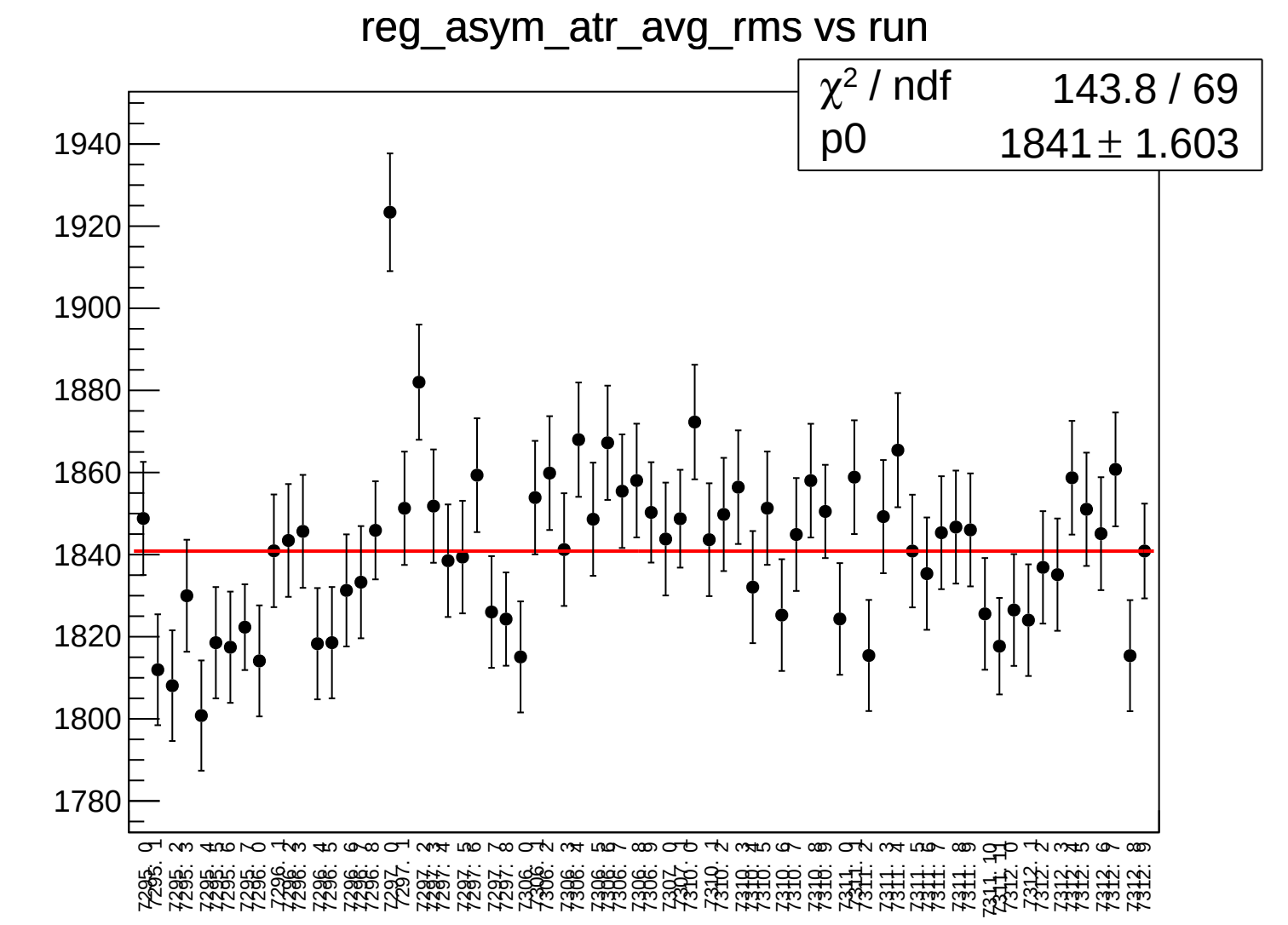

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.32 / 69
p0 1.668e−14 ± 6.519e−14
pull
Entries 70
Mean 65.35
Std Dev 33.85

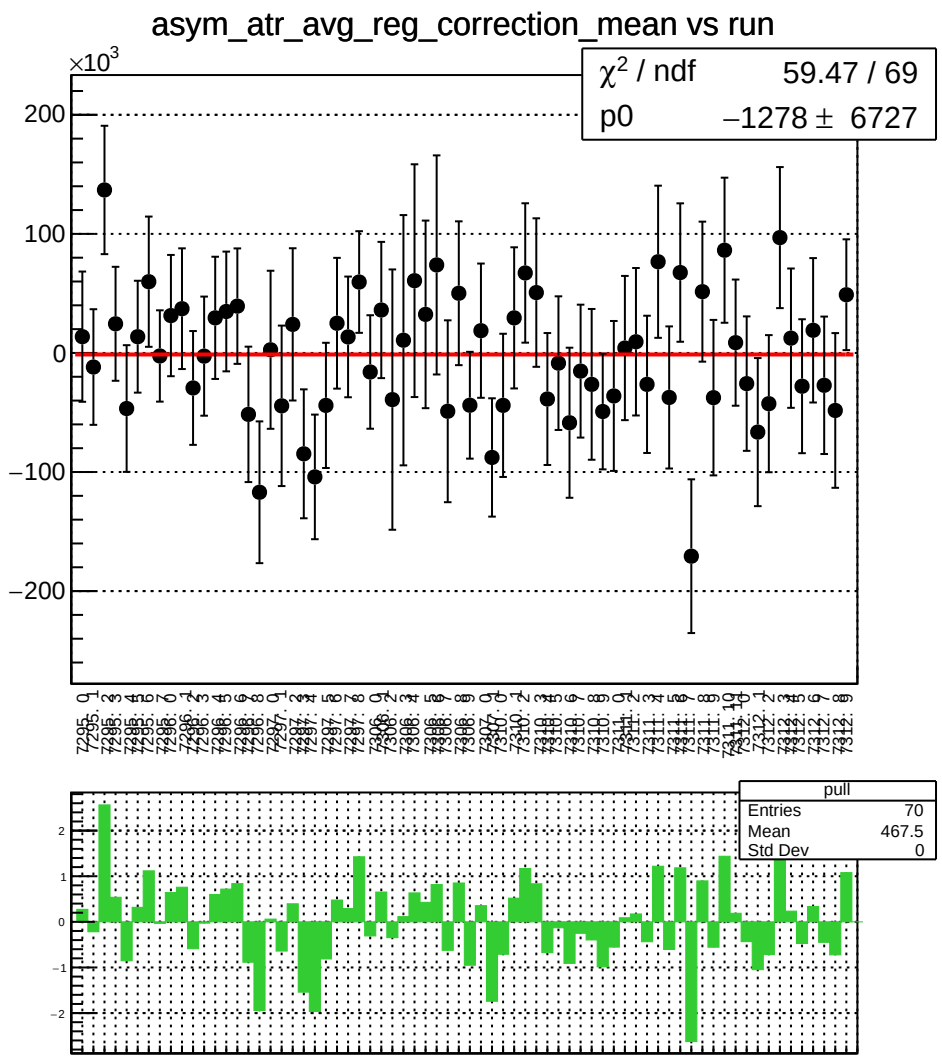

pull1D
Entries 70
Mean −0.05639
Std Dev 0.7377

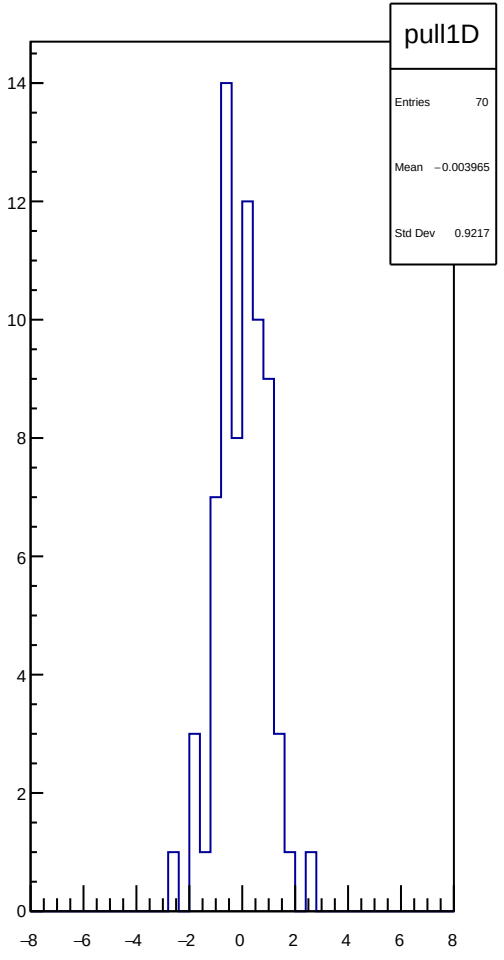

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.895e+05 / 69
p0 4.677e−11 ± 4.609e−14
0.25
0.2
0.15
0.1
0.05

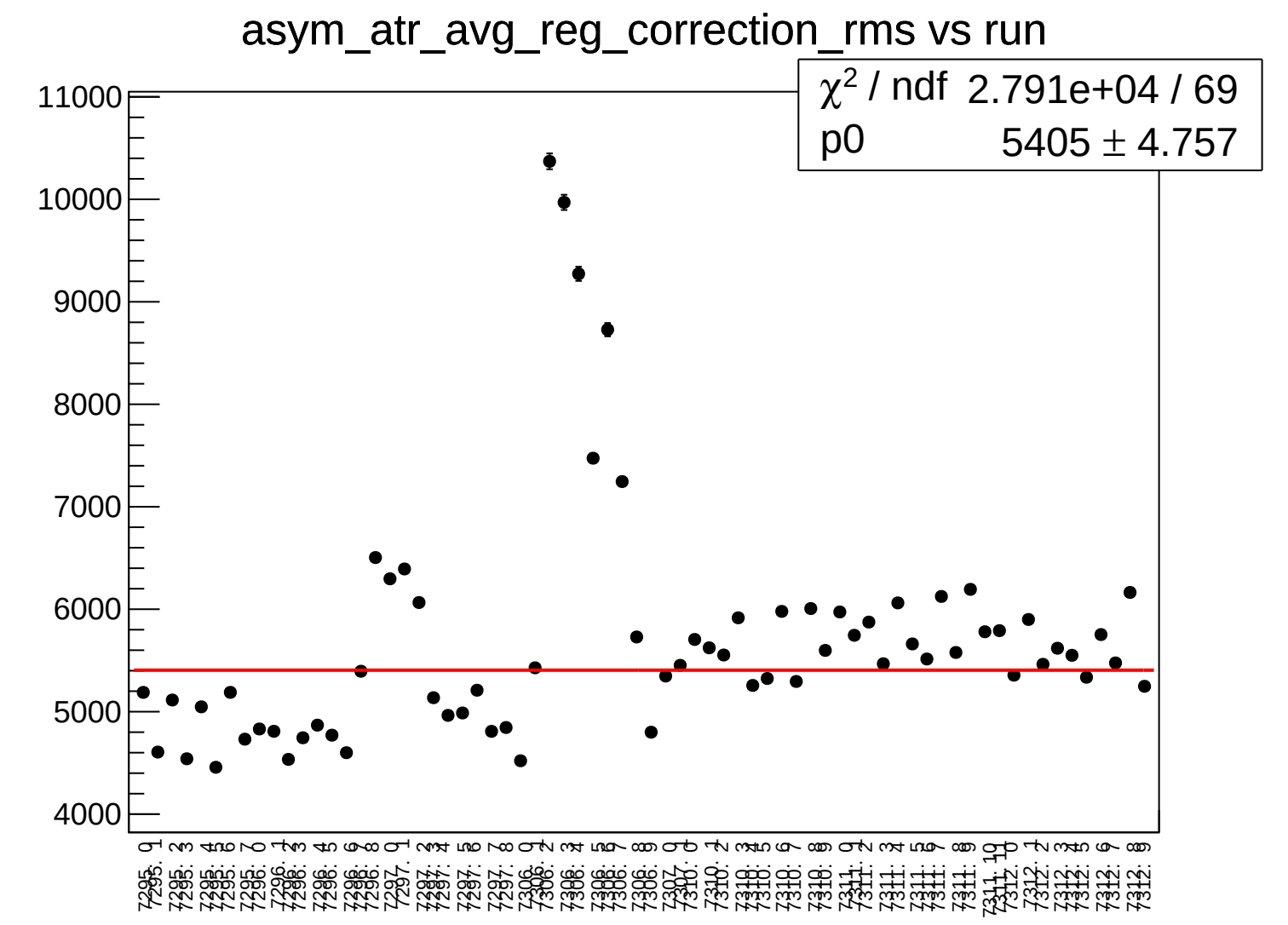

reg_asym_atr_avg_mean vs run
χ² / ndf 68.76 / 69
p0 −875.5 ± 2267
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

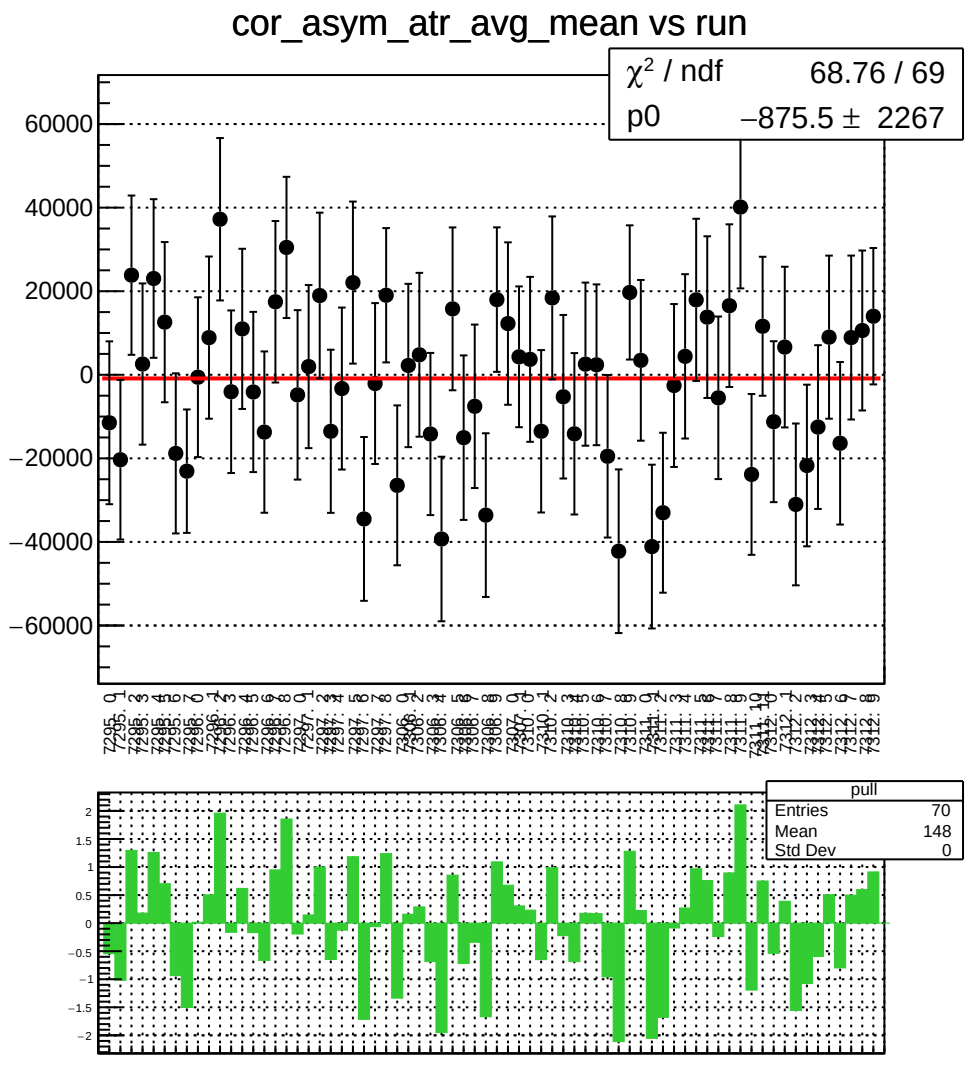

pull1D
Entries 70
Mean −0.01248
Std Dev 0.991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

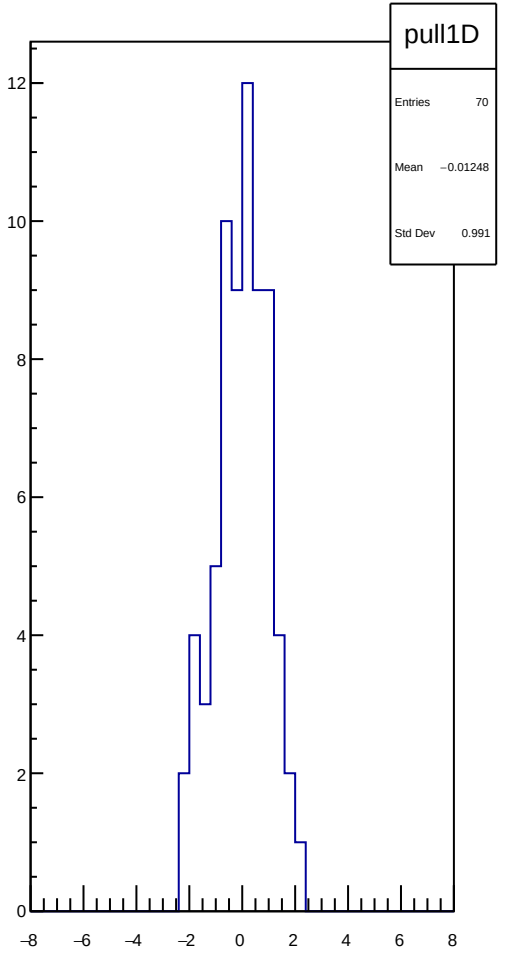

reg_asym_atr_avg_rms vs run
χ² / ndf 143.8 / 69
p0 1841 ± 1.603
1940
1920
1900
1880
1860
1840
1820
1800
1780

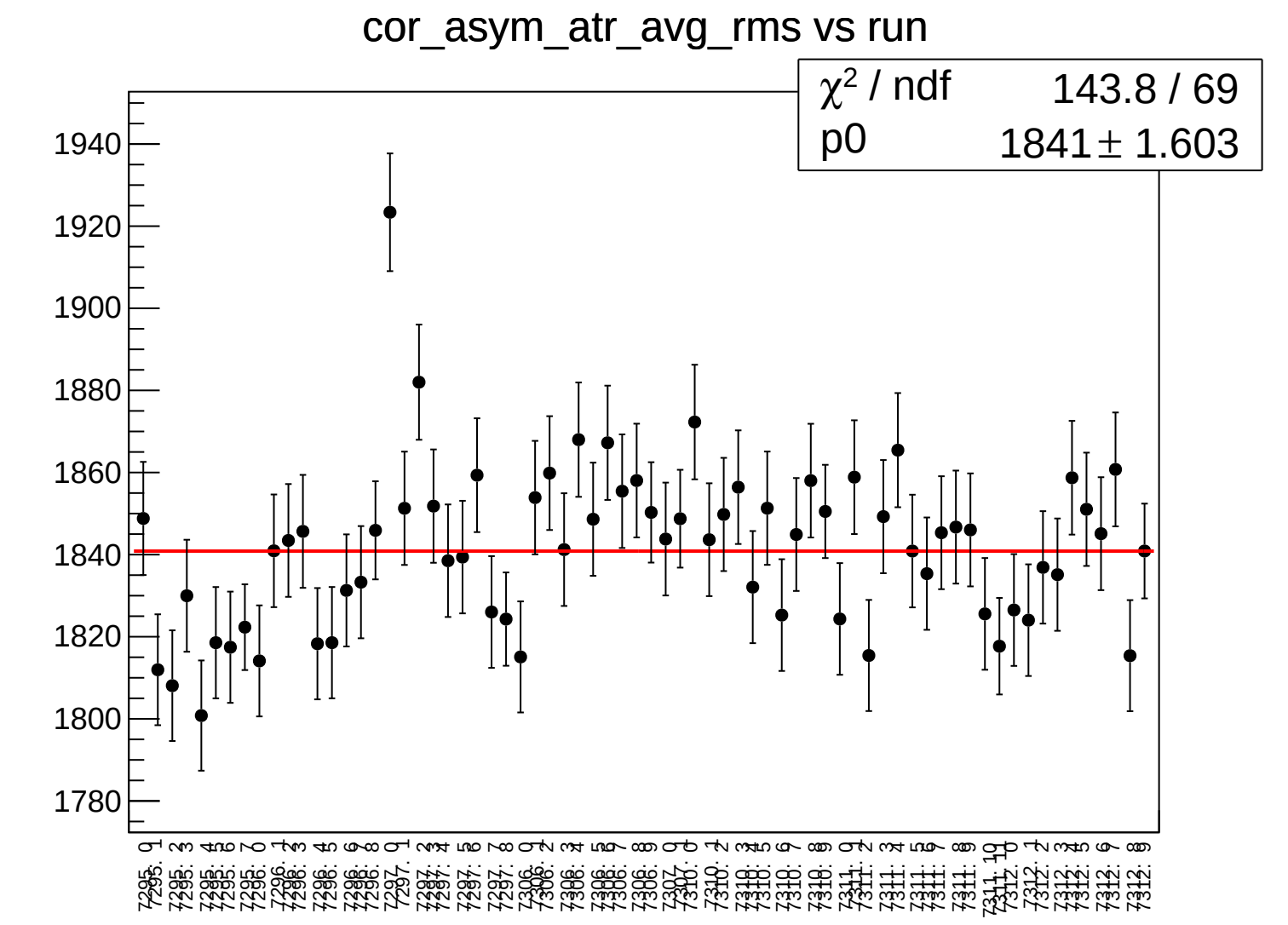

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.47 / 69
p0 −1278 ± 6727
200
100
0
−100
−200
pull
Entries 70
Mean 467.5
Std Dev 0
2
1
0
−1
−2

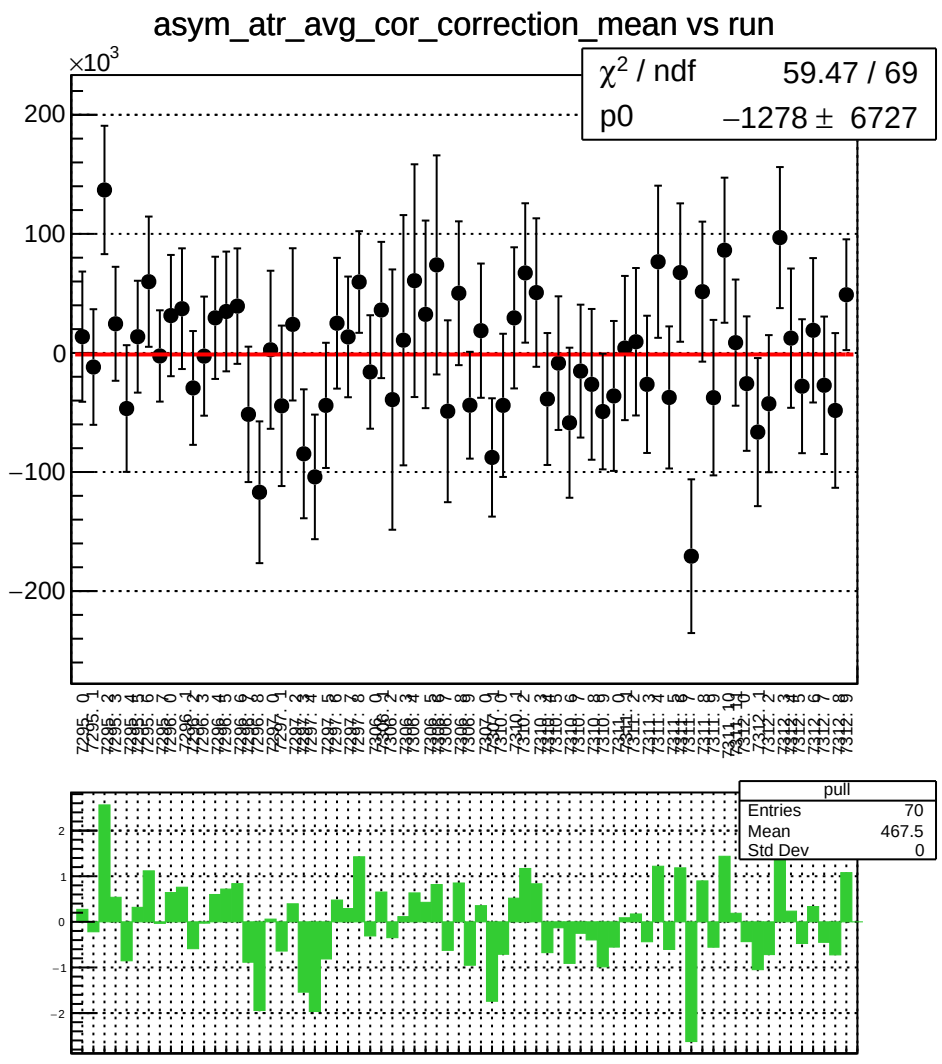

pull1D
Entries 70
Mean −0.003965
Std Dev 0.9217
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

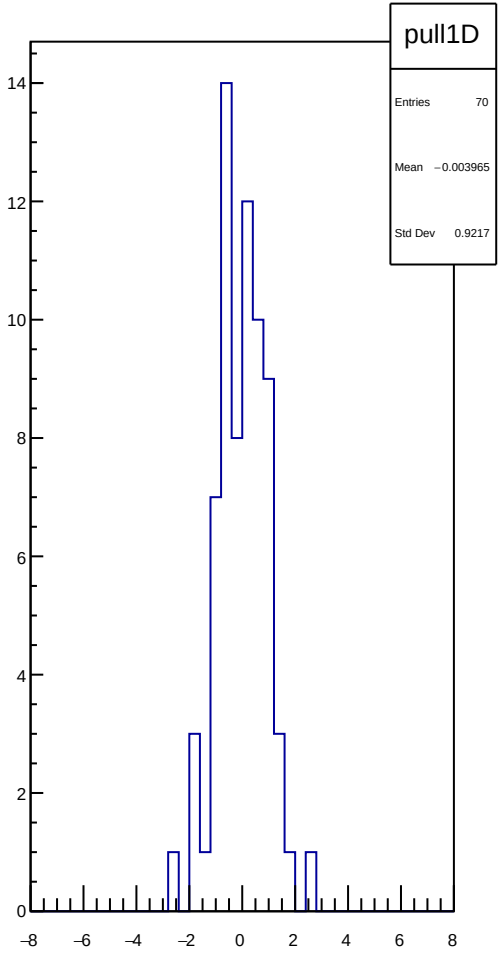

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 2.791e+04 / 69
p0 5405 ± 4.757
11000
10000
9000
8000
7000
6000
5000
4000

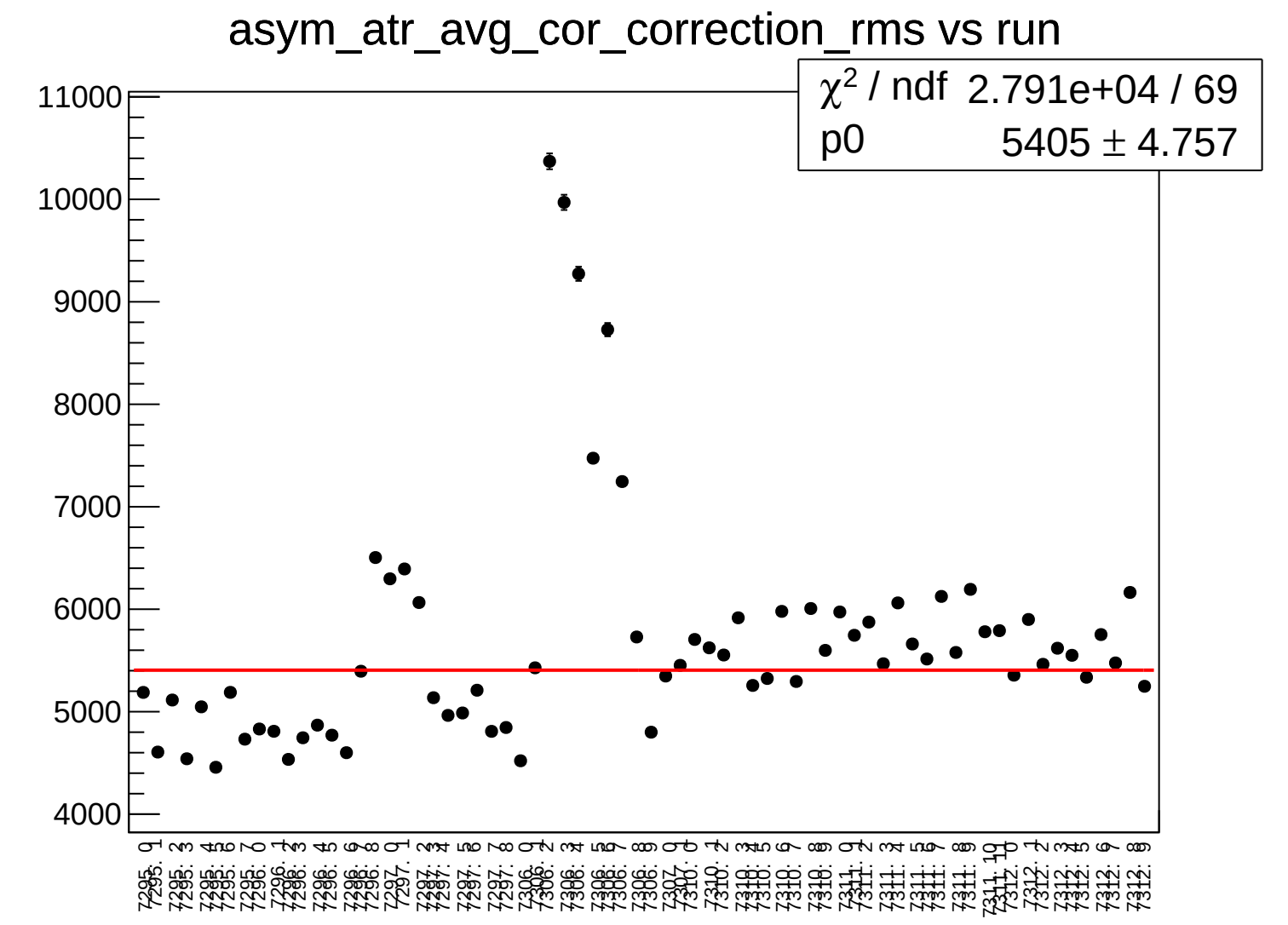

cor_asym_atr_avg_mean vs run
χ² / ndf 68.76 / 69
p0 −875.5 ± 2267
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

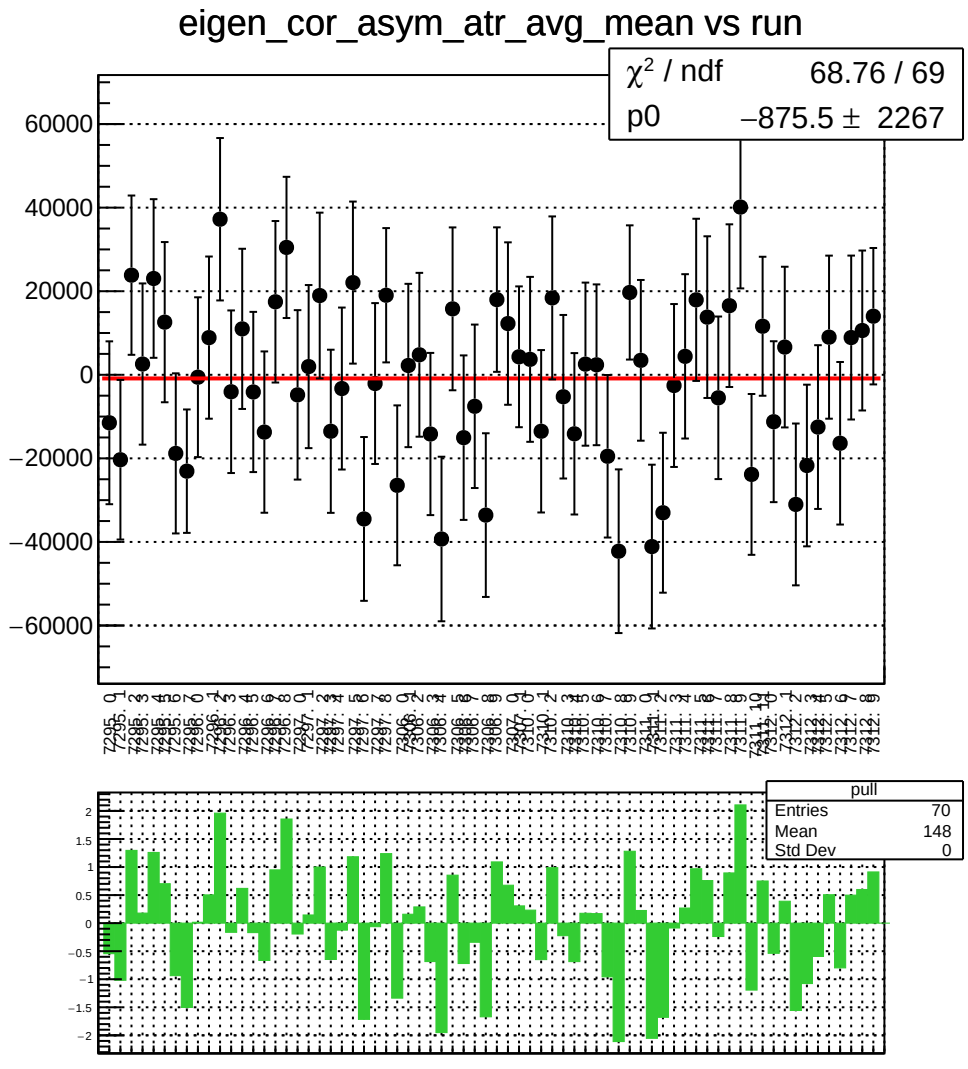

pull1D
Entries 70
Mean −0.01248
Std Dev 0.991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

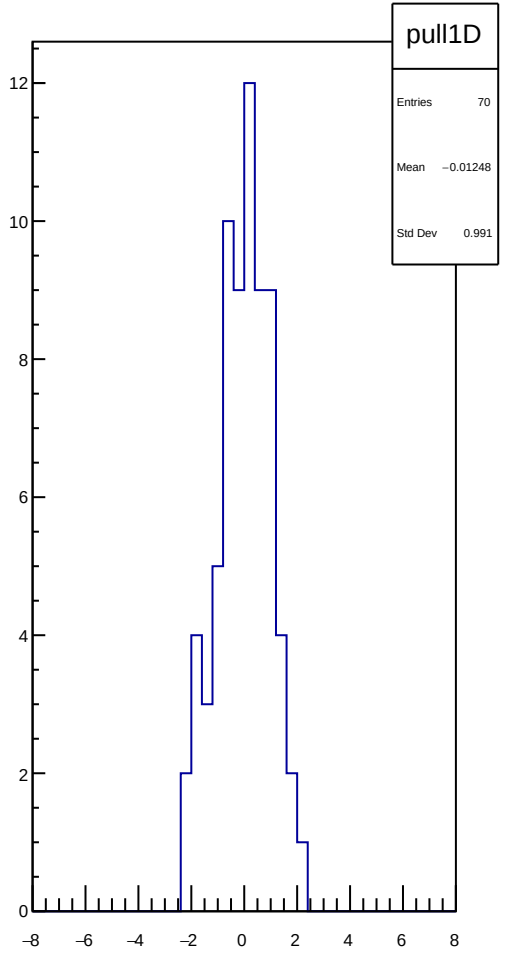

cor_asym_atr_avg_rms vs run
χ² / ndf 143.8 / 69
p0 1841 ± 1.603
1940
1920
1900
1880
1860
1840
1820
1800
1780

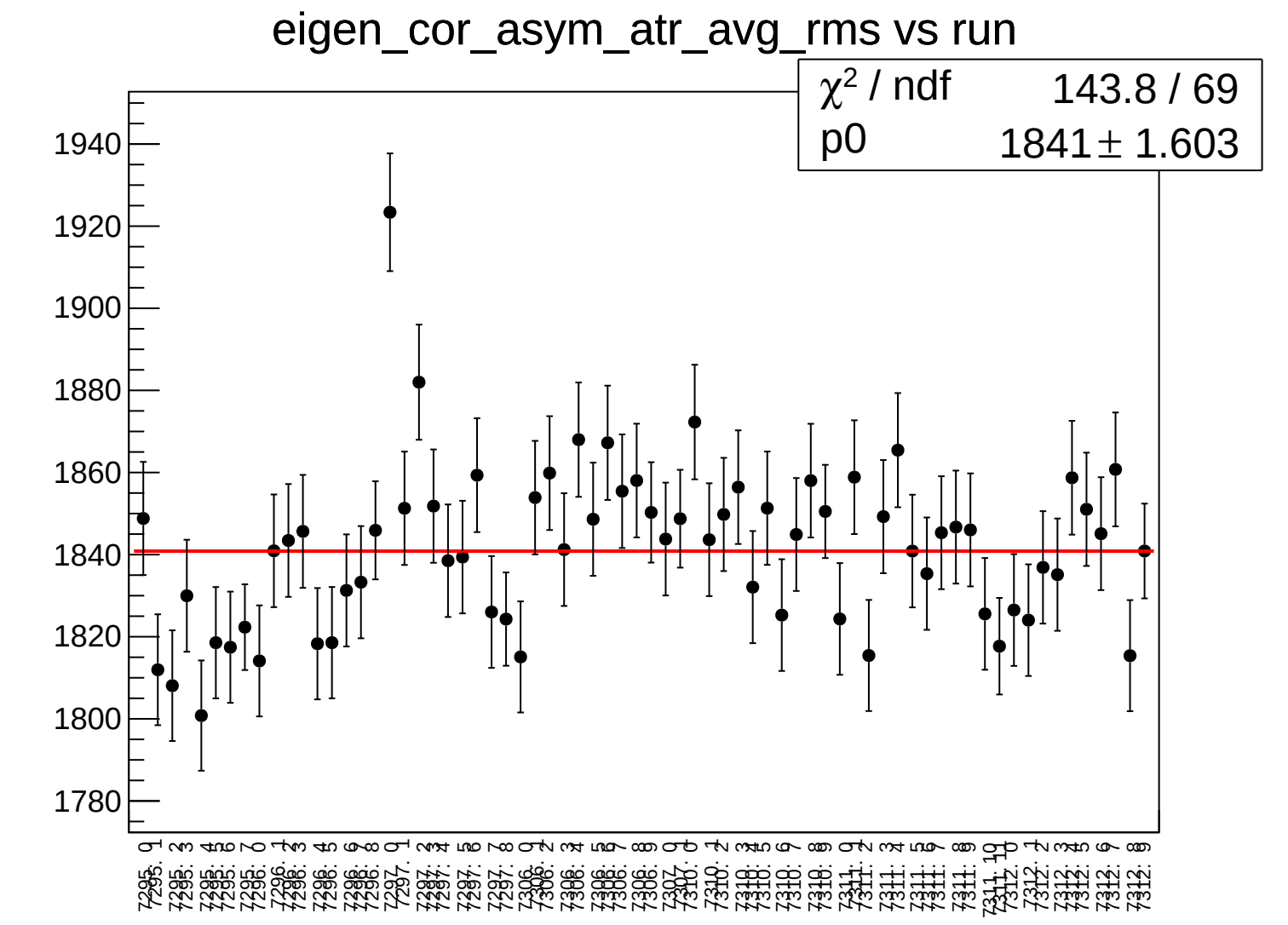

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.47 / 69
p0 −1278 ± 6727
200
100
0
−100
−200
pull
Entries 70
Mean 467.5
Std Dev 0
2
1
0
−1
−2

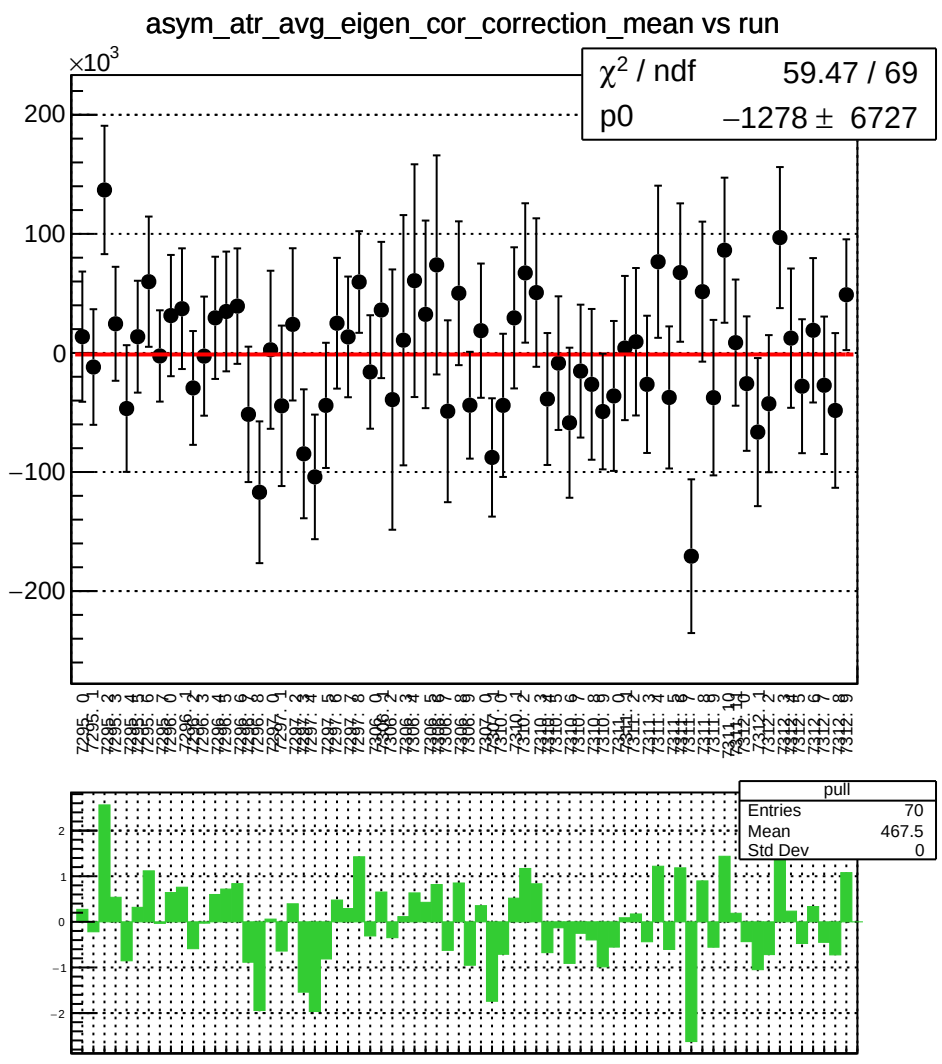

pull1D
Entries 70
Mean −0.003965
Std Dev 0.9217
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

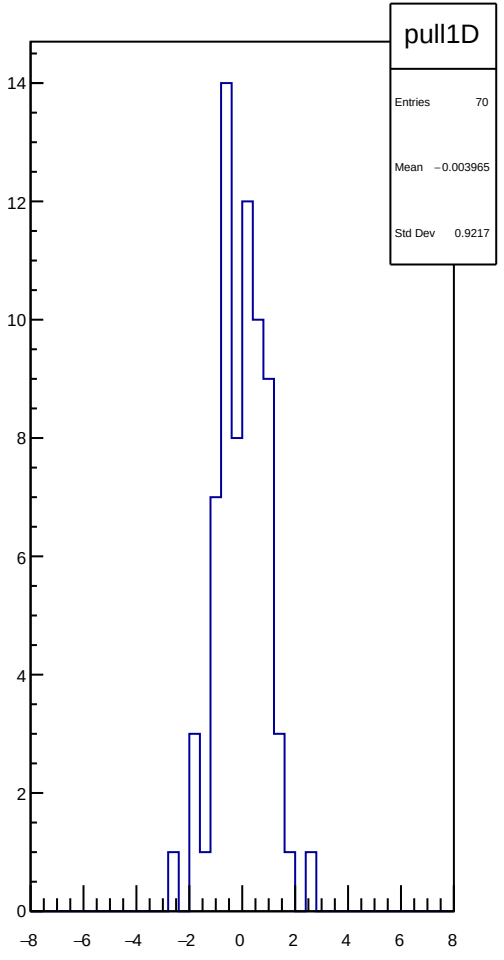

asym_atr_avg_cor_correction_rms vs run
χ^2 / ndf 2.791e+04 / 69
p0 5405 ± 4.757
11000
10000
9000
8000
7000
6000
5000
4000

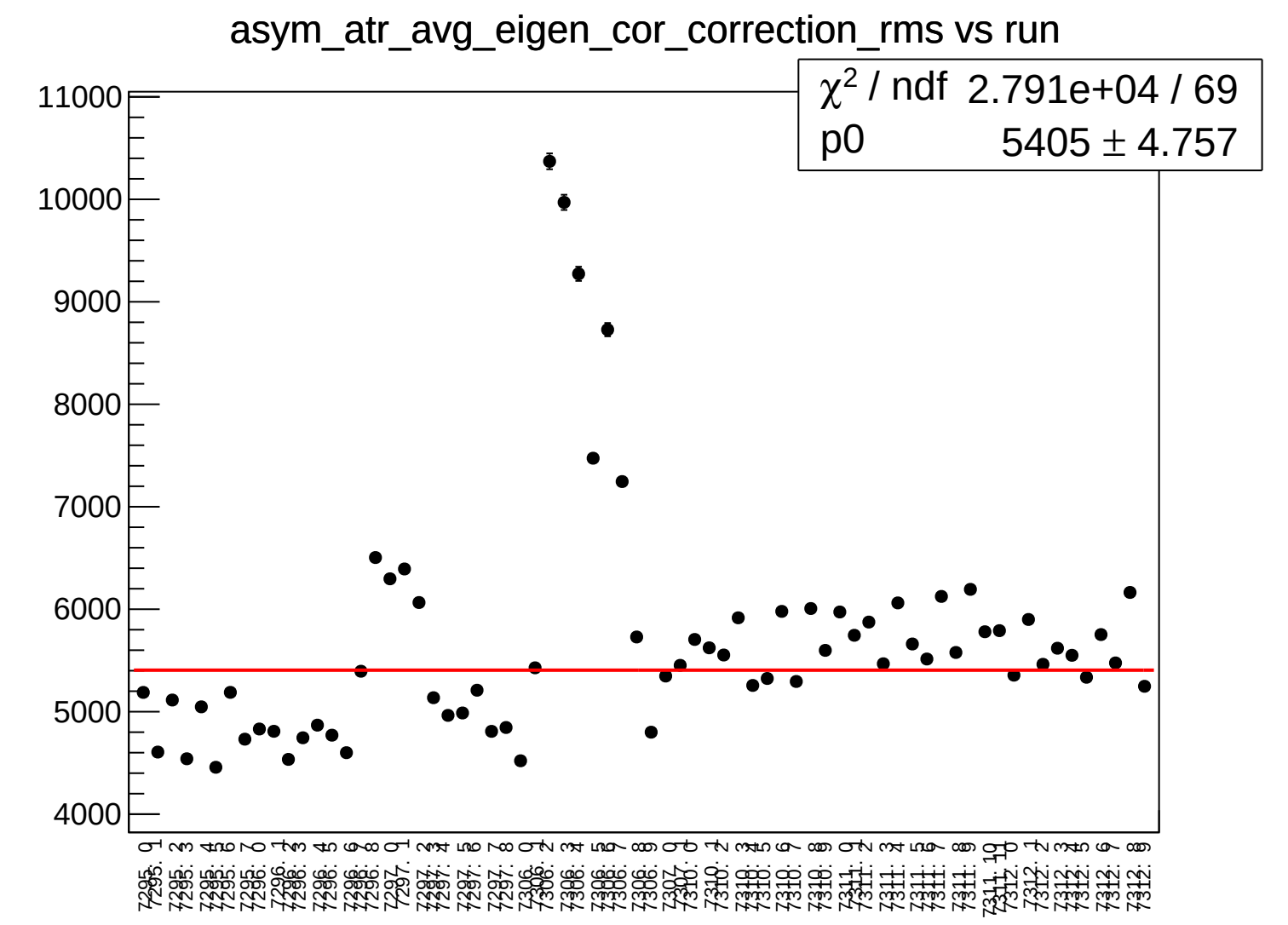

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 68.76 / 69
p0 −875.5 ± 2267
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

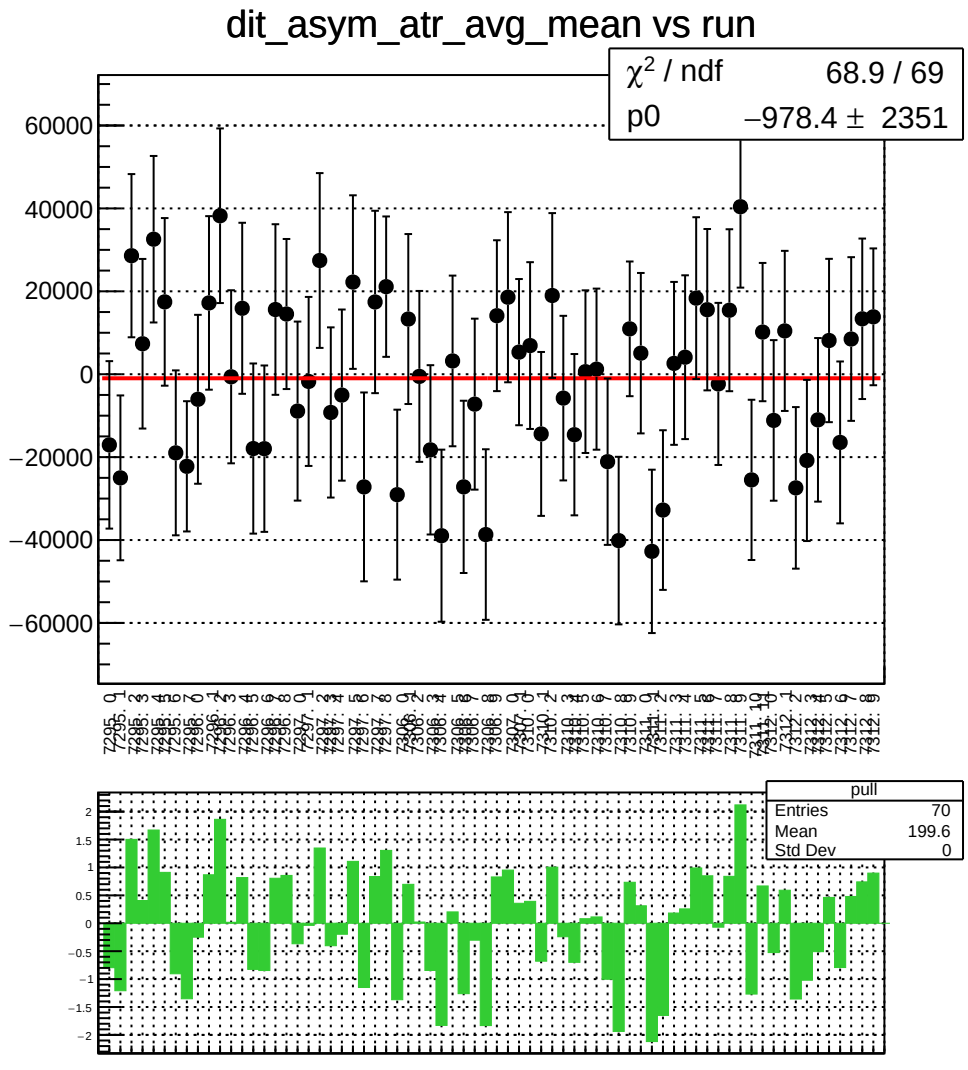

pull1D
Entries 70
Mean −0.01248
Std Dev 0.991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

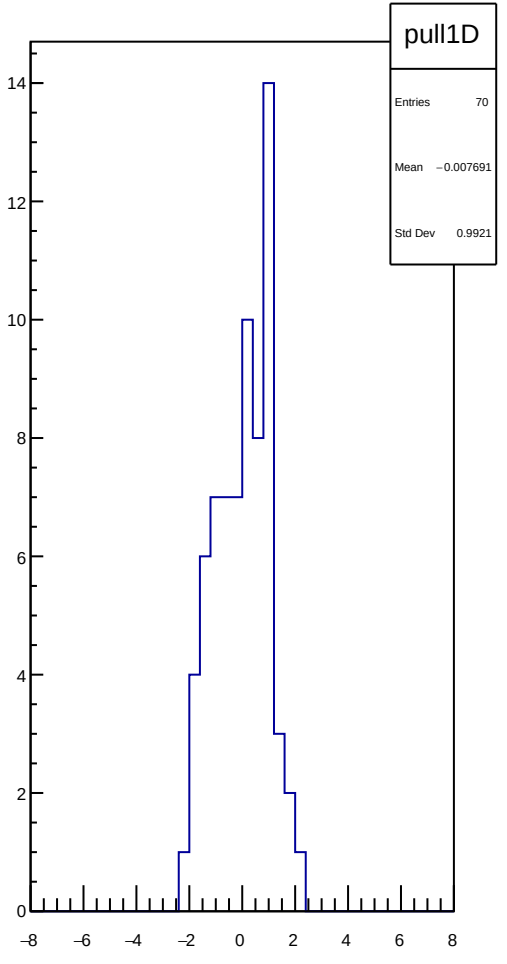

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 143.8 / 69
p0 1841 ± 1.603
1940
1920
1900
1880
1860
1840
1820
1800
1780

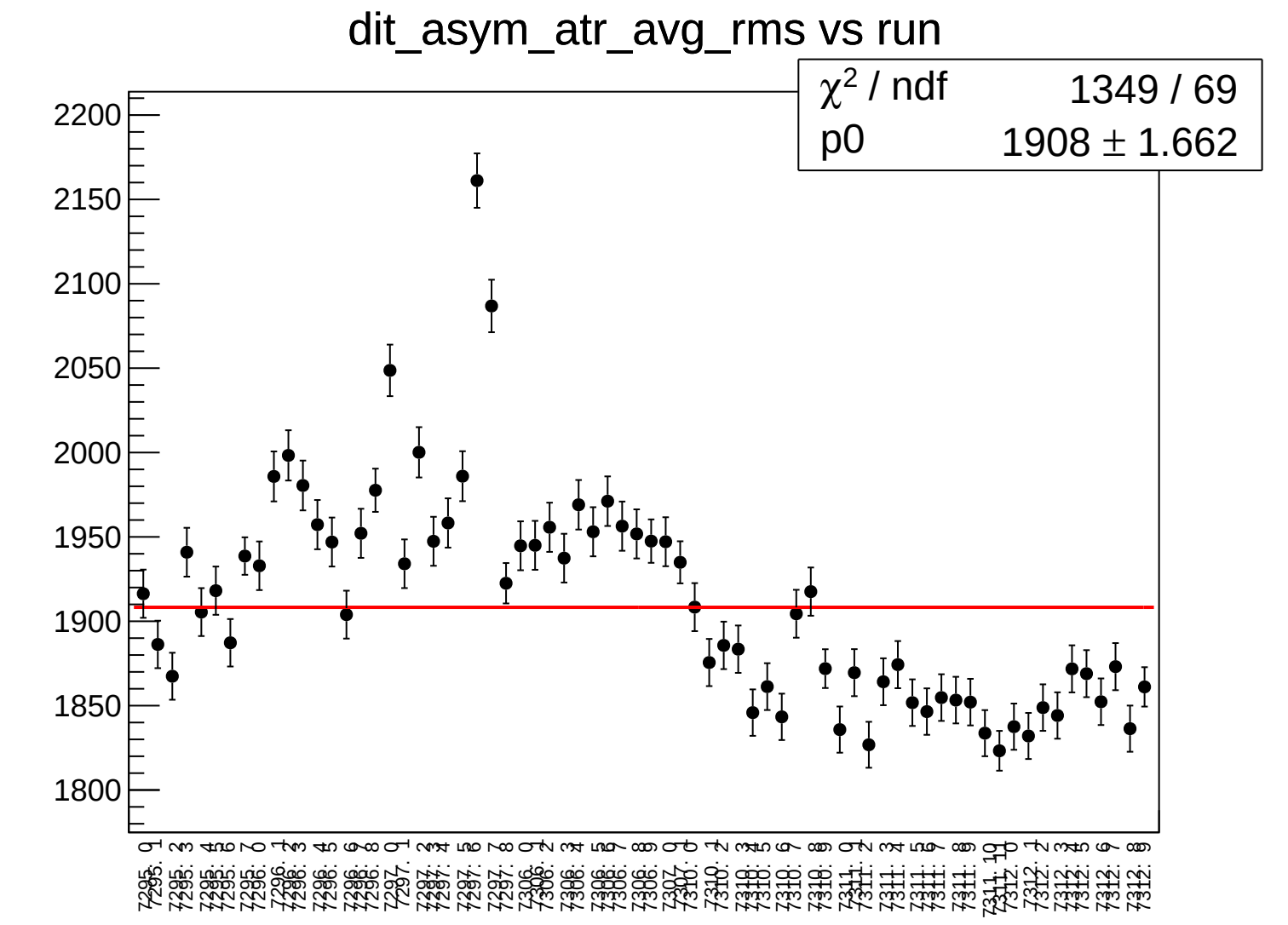

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.47 / 69
p0 −1278 ± 6727
200
100
0
−100
−200
pull
Entries 70
Mean 467.5
Std Dev 0
2
1
0
−1
−2

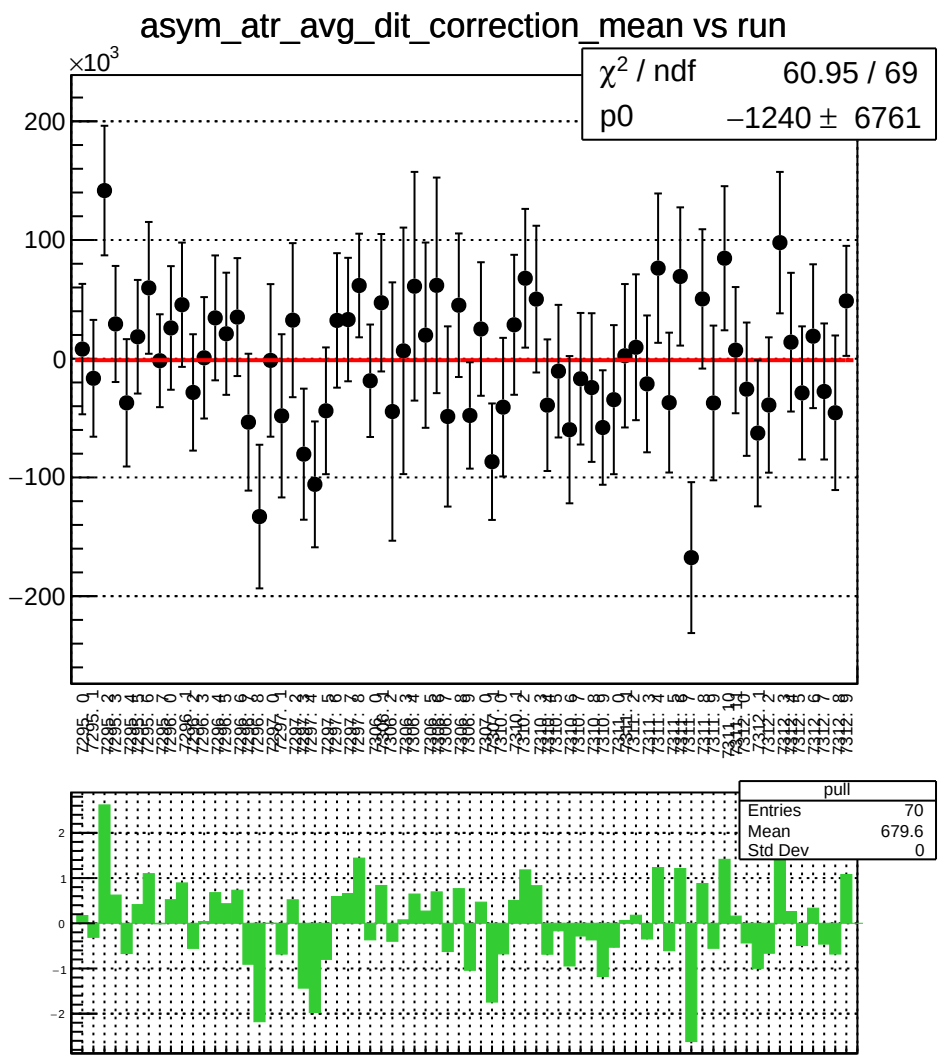

pull1D
Entries 70
Mean −0.003965
Std Dev 0.9217
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

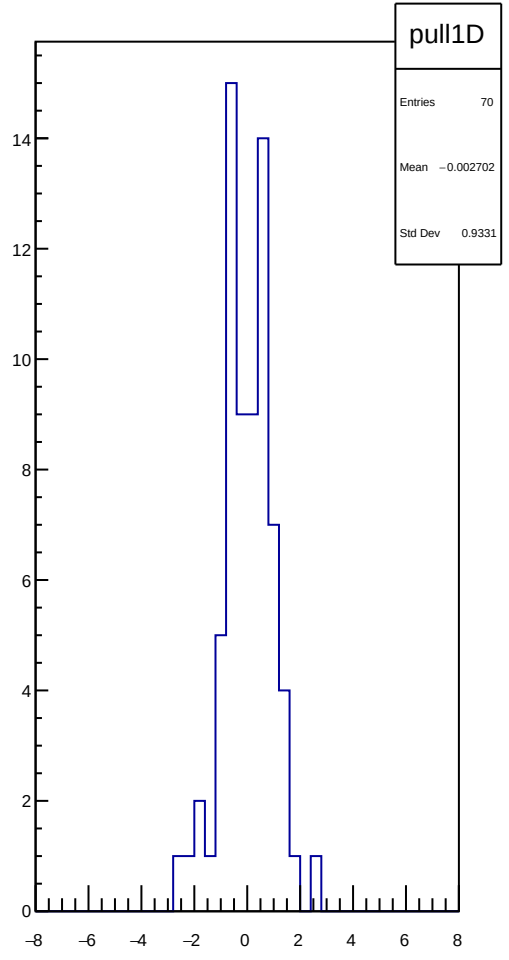

asym_atr_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2.791e+04 / 69
p0 5405 ± 4.757
11000
10000
9000
8000
7000
6000
5000
4000

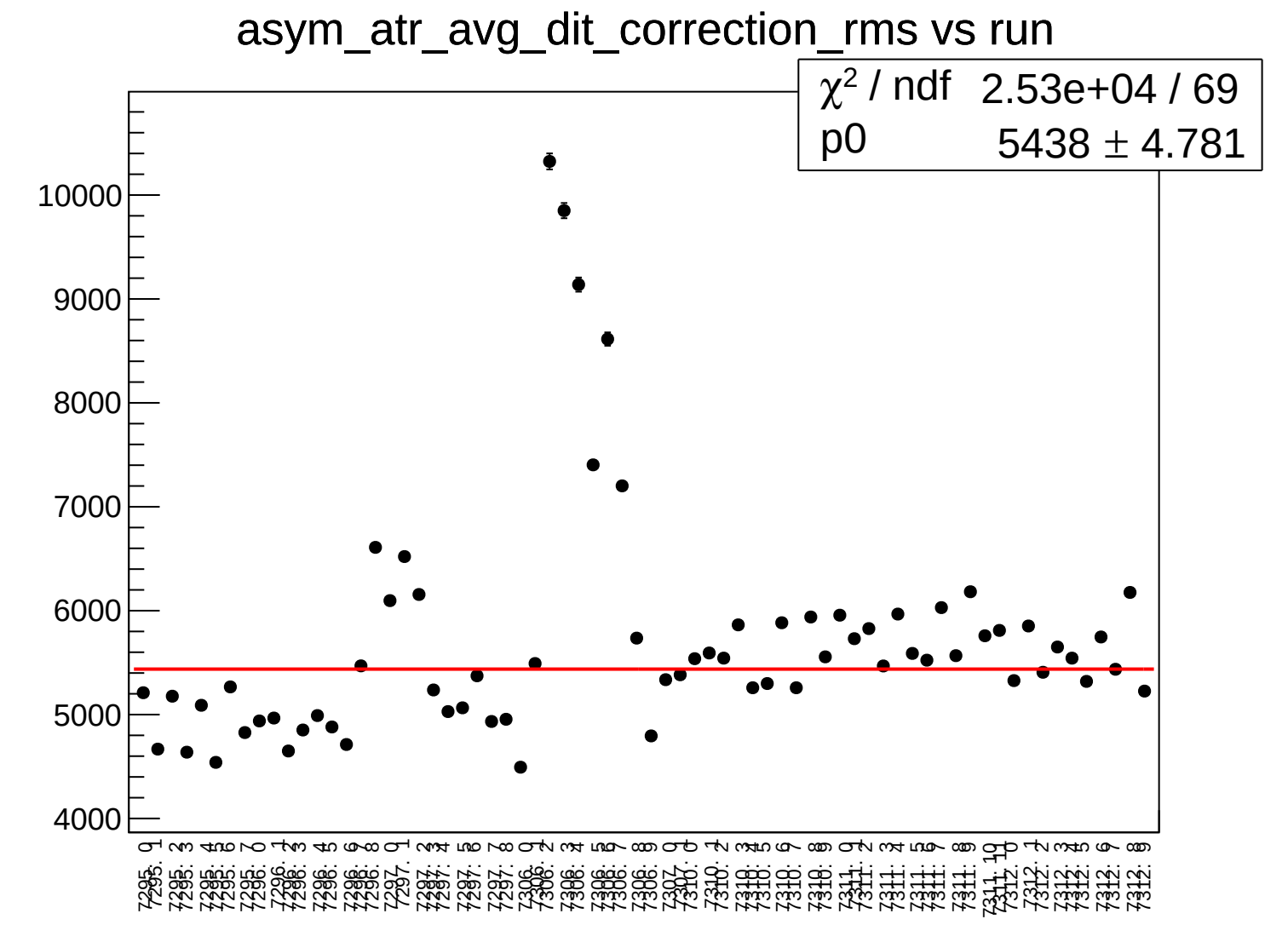

dit_asym_atr_avg_mean vs run
χ² / ndf 68.9 / 69
p0 −978.4 ± 2351
pull
Entries 70
Mean 199.6
Std Dev 0

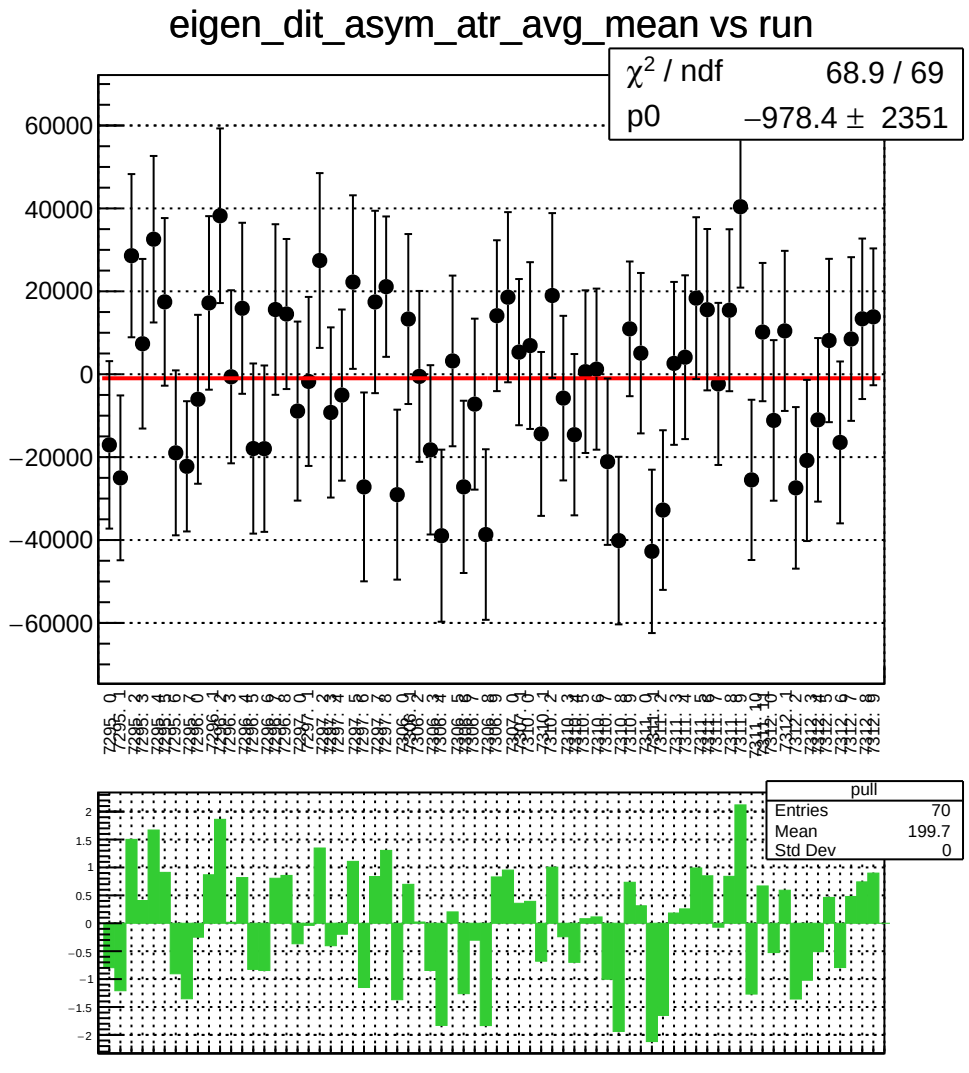

pull1D
Entries 70
Mean −0.007691
Std Dev 0.9921

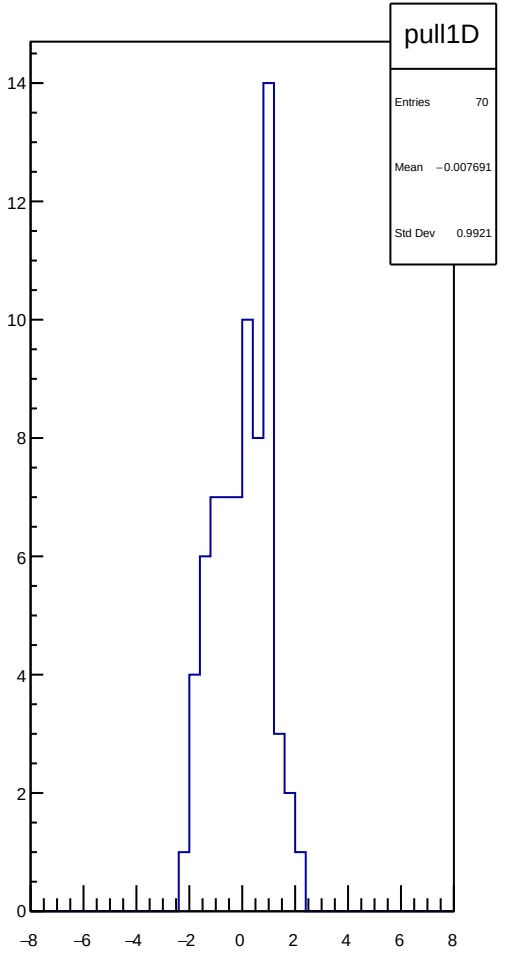

dit_asym_atr_avg_rms vs run
χ² / ndf 1349 / 69
p0 1908 ± 1.662
2200
2150
2100
2050
2000
1950
1900
1850
1800

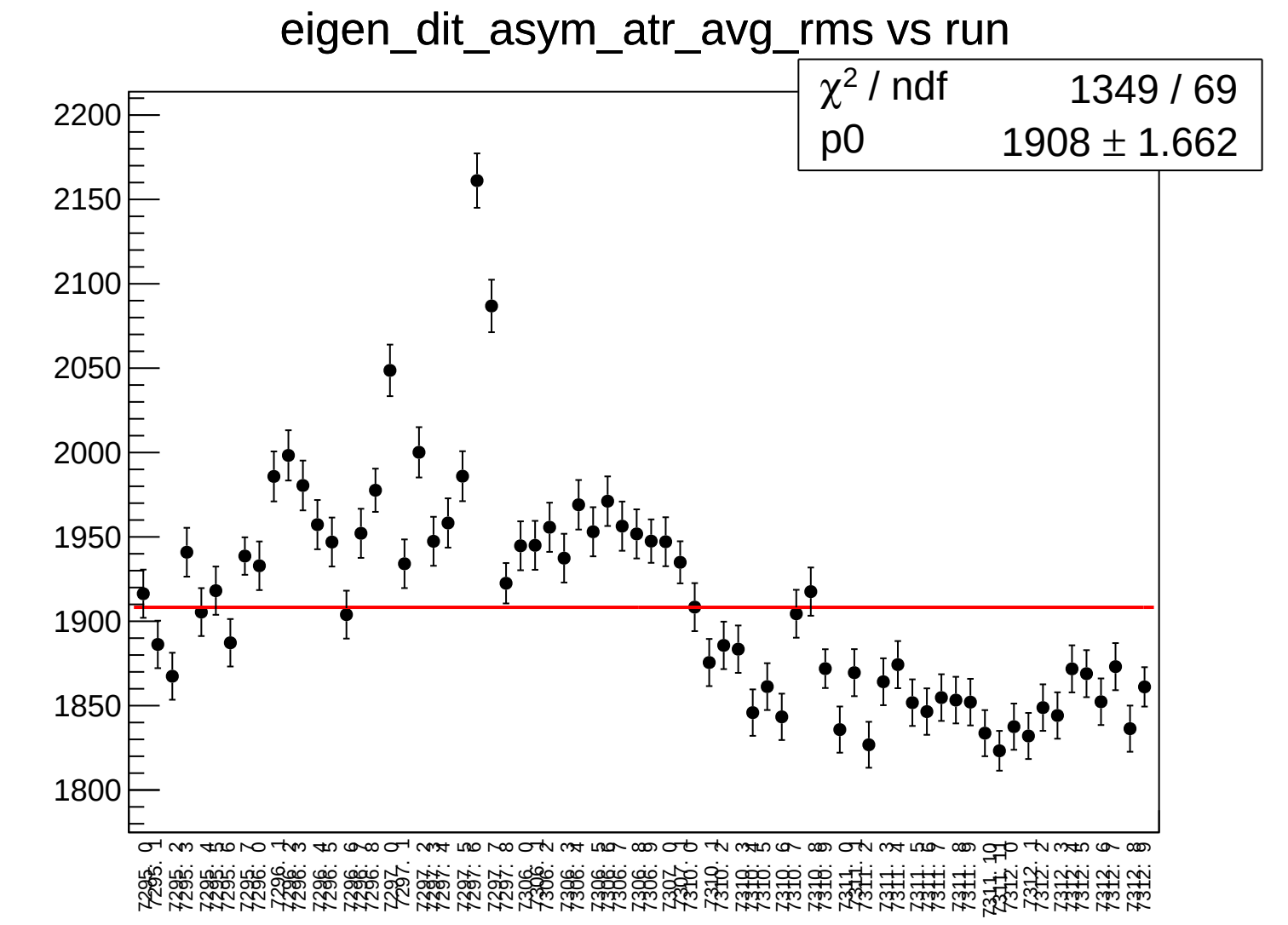

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.95 / 69
p0 −1240 ± 6761
200
100
0
−100
−200
pull
Entries 70
Mean 679.6
Std Dev 0
2
1
0
−1
−2

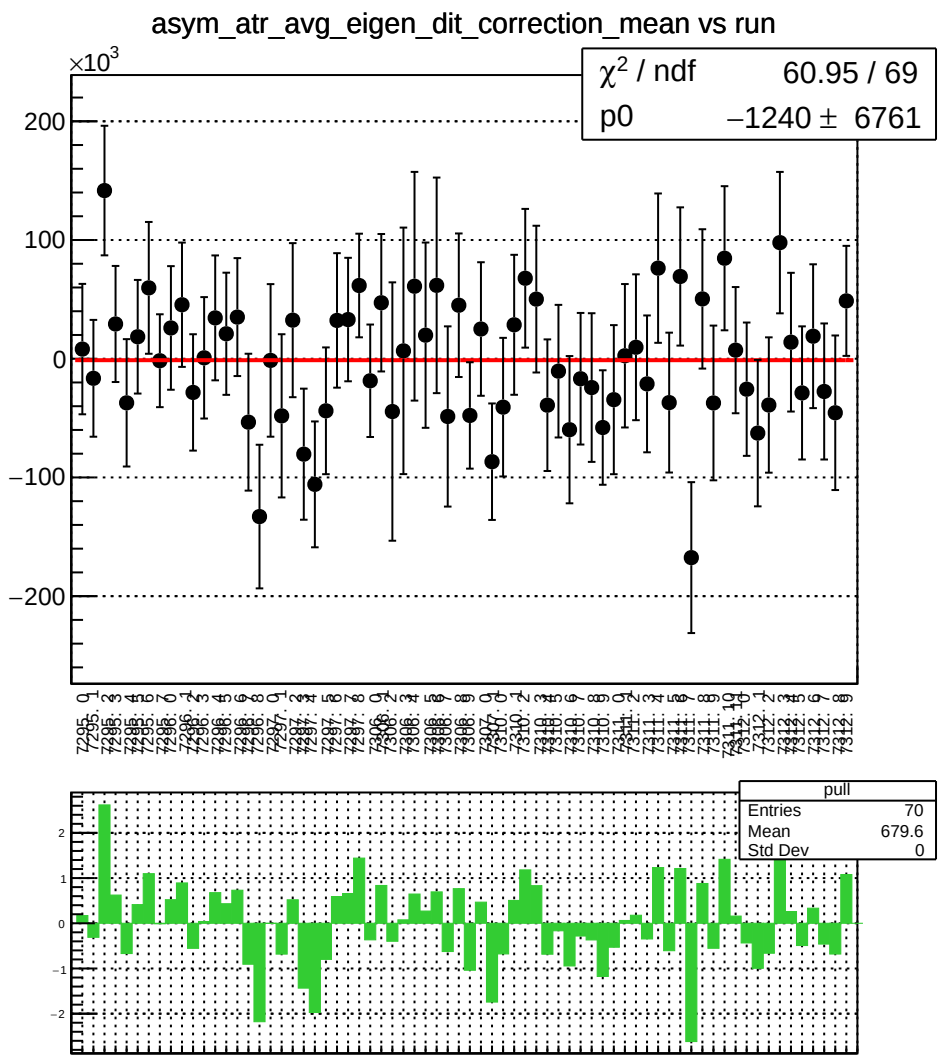

pull1D
Entries 70
Mean −0.002702
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

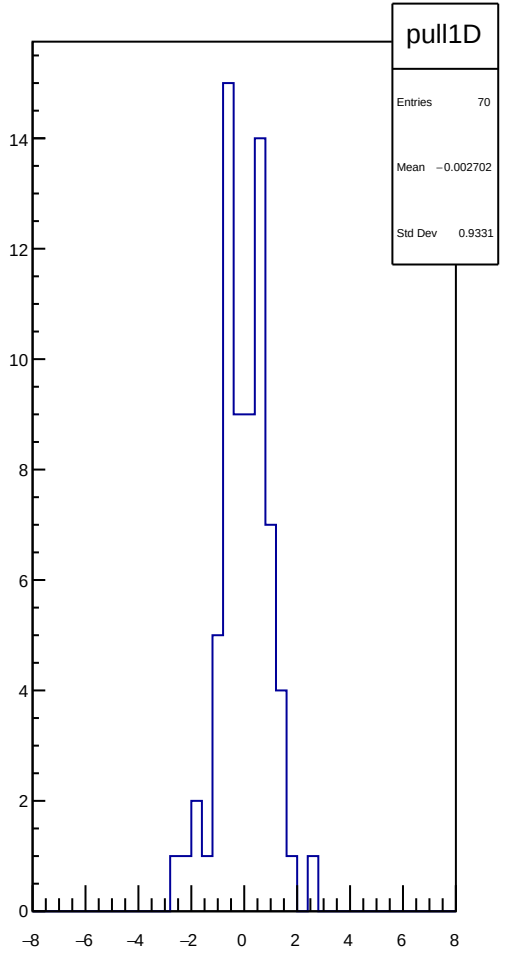

asym_atr_avg_dit_correction_rms vs run
χ^2 / ndf 2.53e+04 / 69
p0 5438 ± 4.781
10000
9000
8000
7000
6000
5000
4000

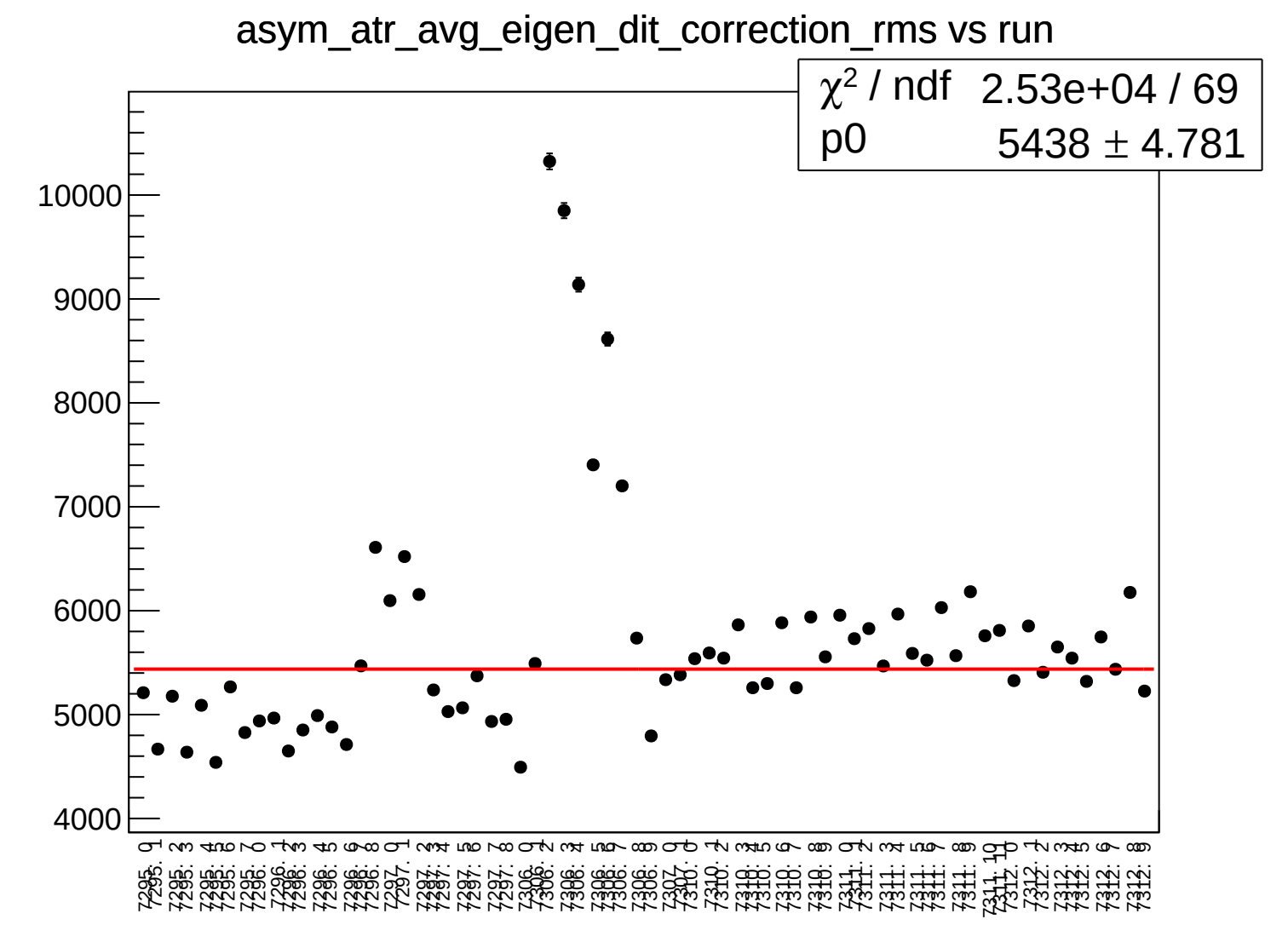

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 68.9 / 69
p0 −978.4 ± 2351
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 199.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

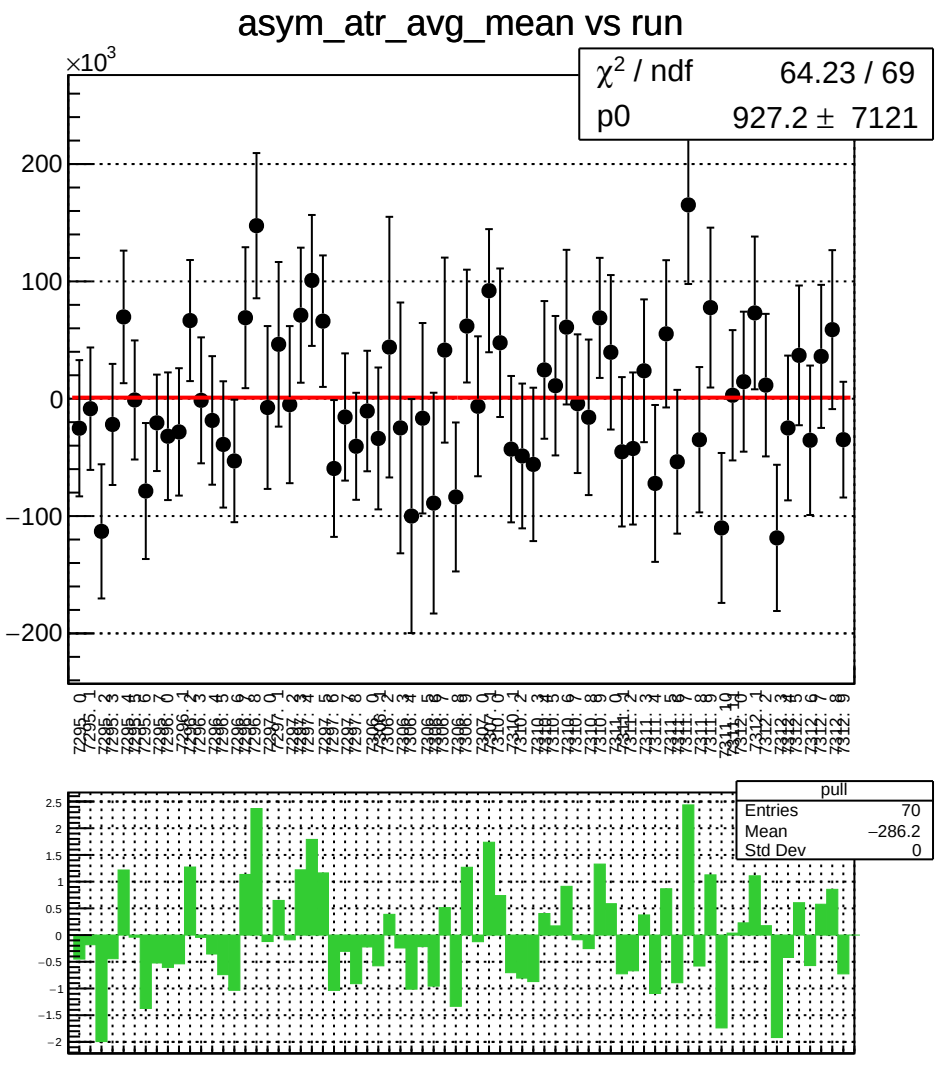

pull1D
Entries 70
Mean −0.007691
Std Dev 0.9921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

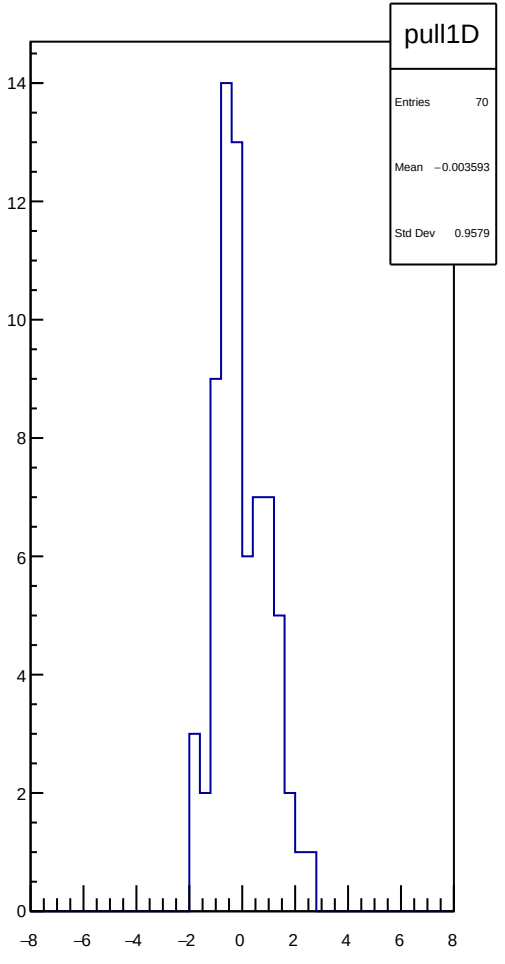

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 1349 / 69
p0 1908 ± 1.662
2200
2150
2100
2050
2000
1950
1900
1850
1800

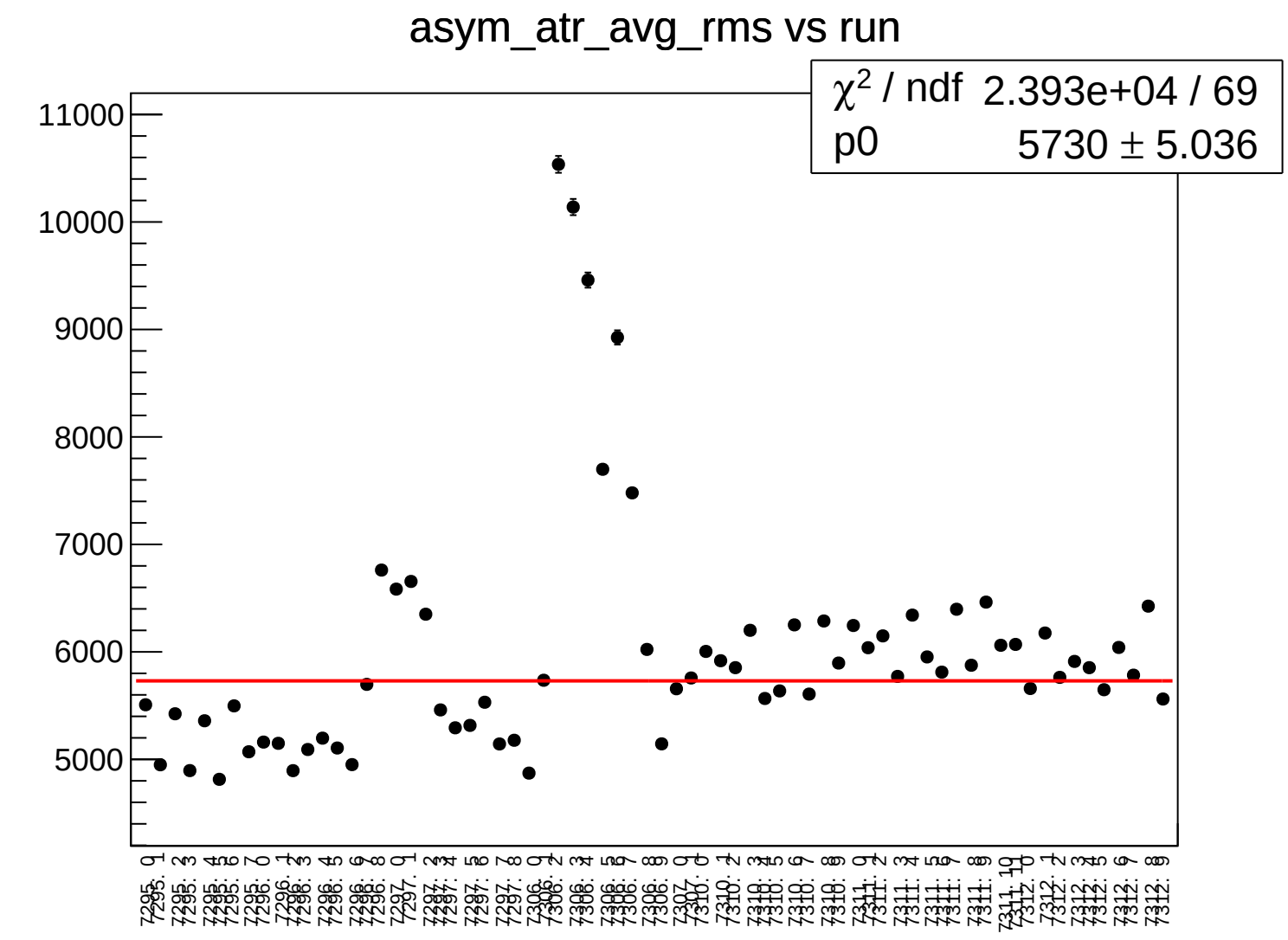

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.95 / 69
p0 −1240 ± 6761
200
100
0
−100
−200
pull
Entries 70
Mean 679.6
Std Dev 0
2
1
0
−1
−2

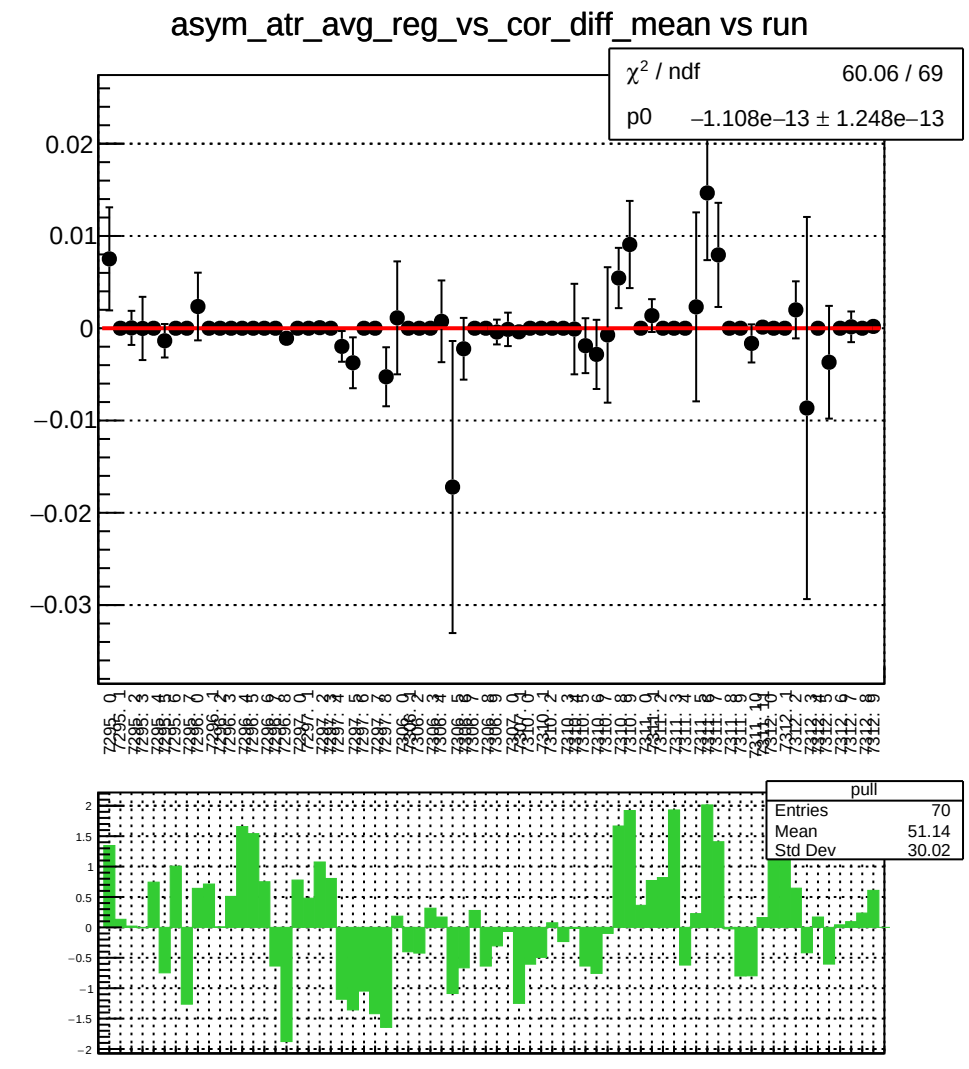

pull1D
Entries 70
Mean −0.002702
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

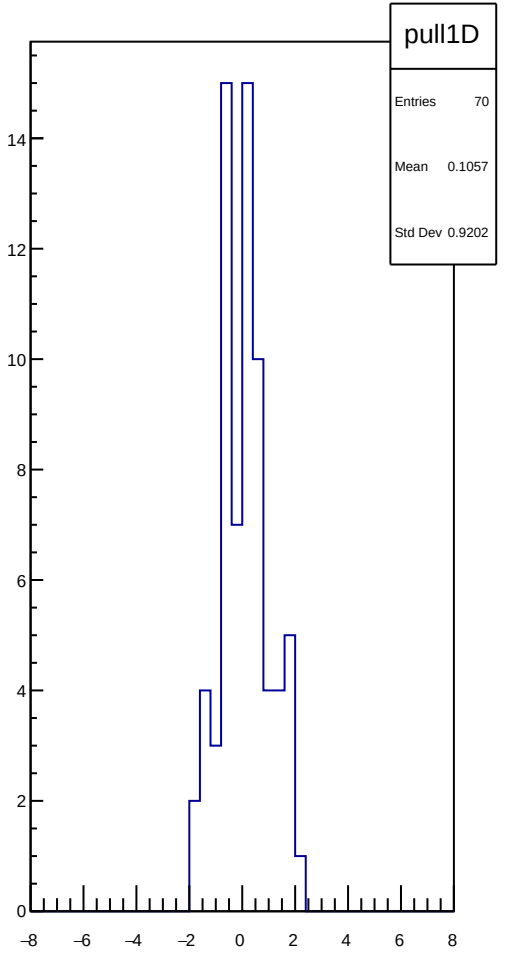

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.53e+04 / 69
p0 5438 ± 4.781
10000
9000
8000
7000
6000
5000
4000

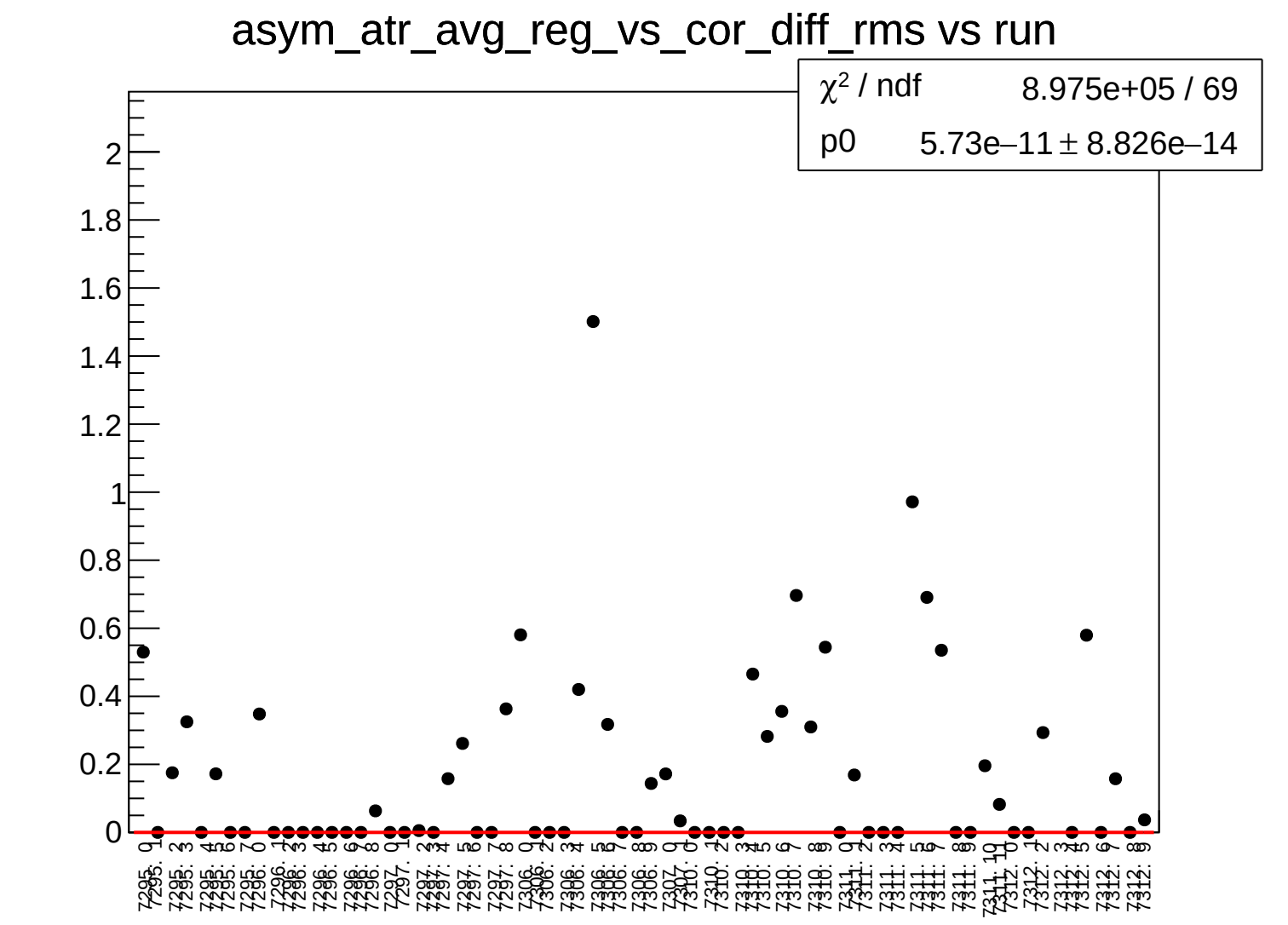

asym_atr_avg_mean vs run
×10^3
χ² / ndf 64.23 / 69
p0 927.2 ± 7121
200
100
0
−100
−200
pull
Entries 70
Mean −286.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

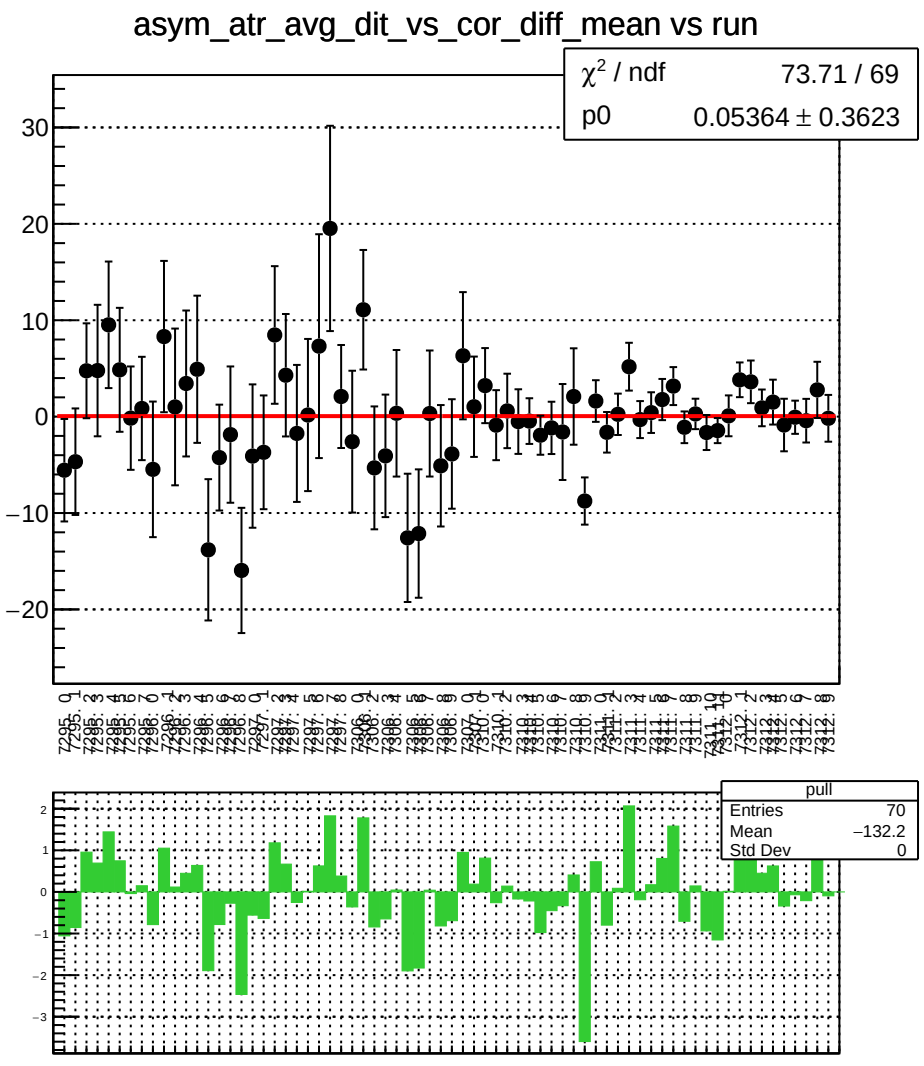

pull1D
Entries 70
Mean −0.003593
Std Dev 0.9579
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

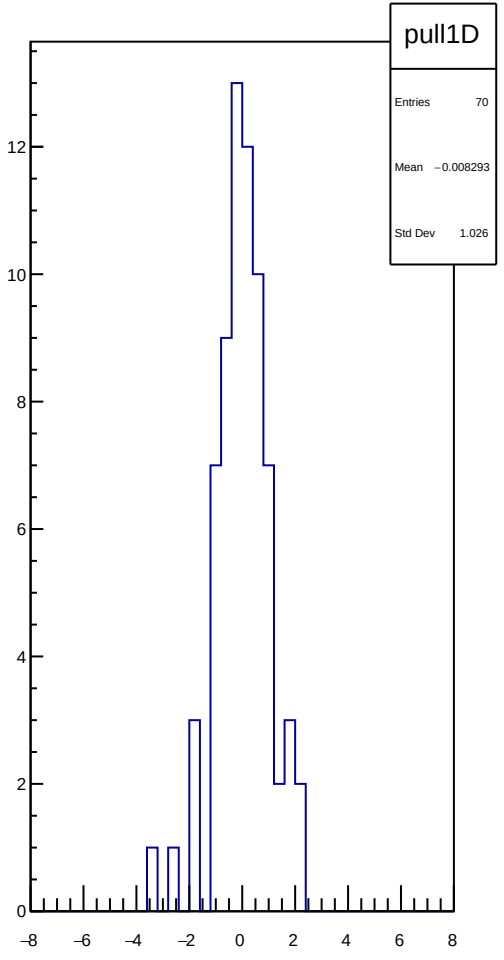

asym_atr_avg_rms vs run
χ^2 / ndf 2.393e+04 / 69
p0 5730 ± 5.036
11000
10000
9000
8000
7000
6000
5000

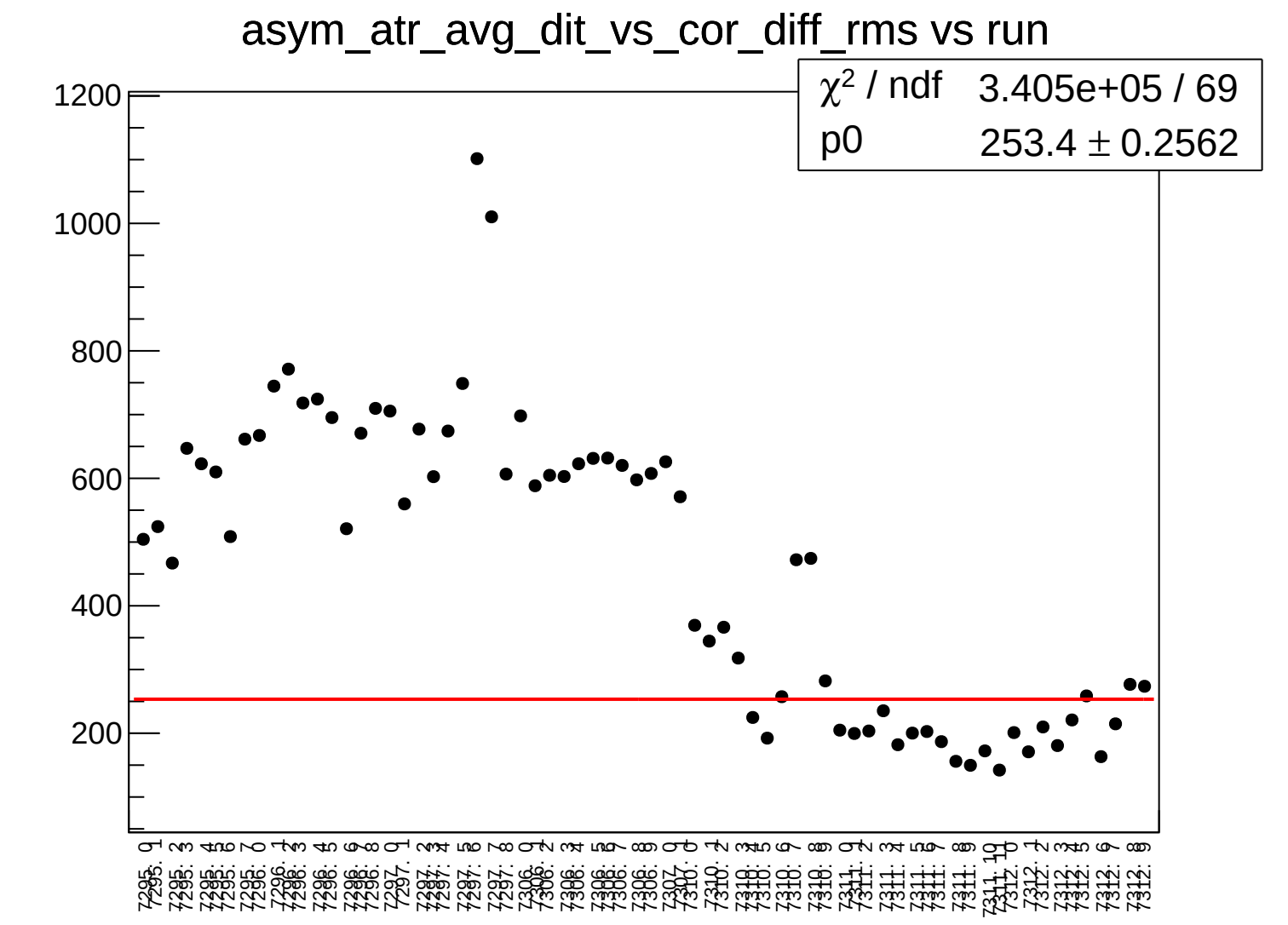

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.06 / 69
p0 −1.108e−13 ± 1.248e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 70
Mean 51.14
Std Dev 30.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

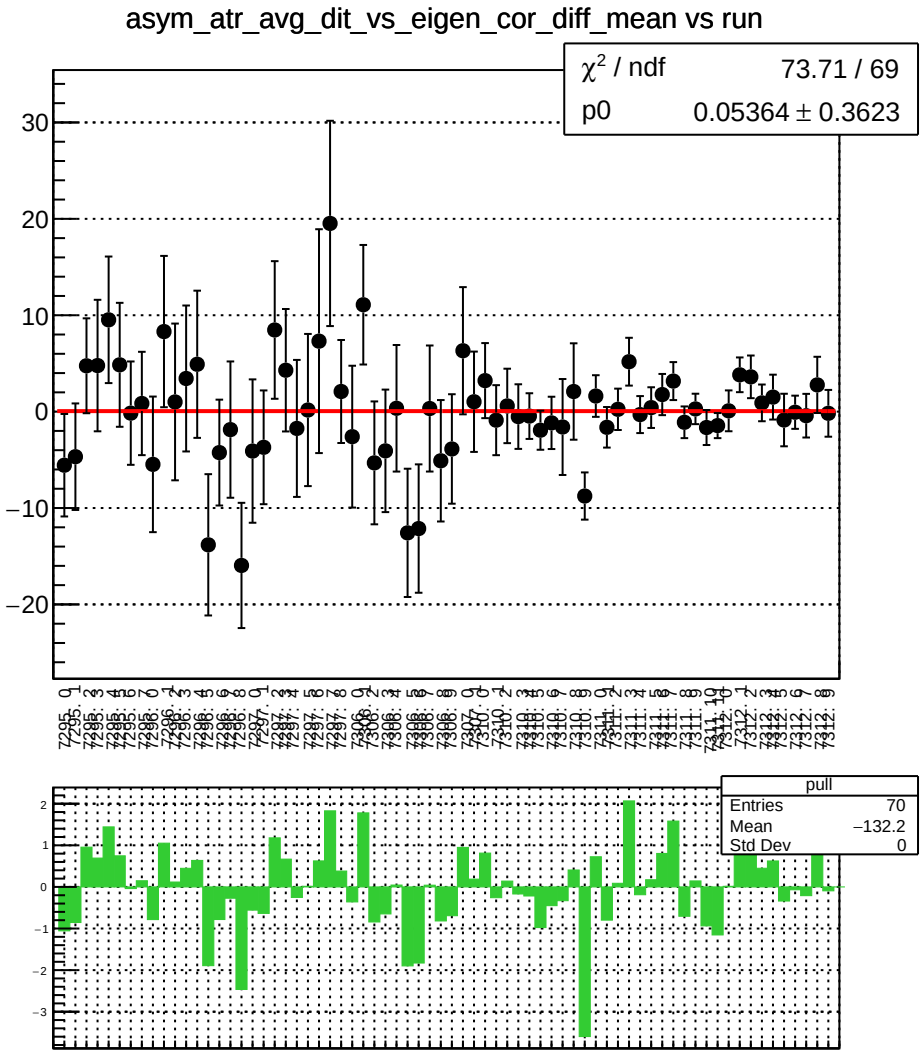

pull1D
Entries 70
Mean 0.1057
Std Dev 0.9202
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

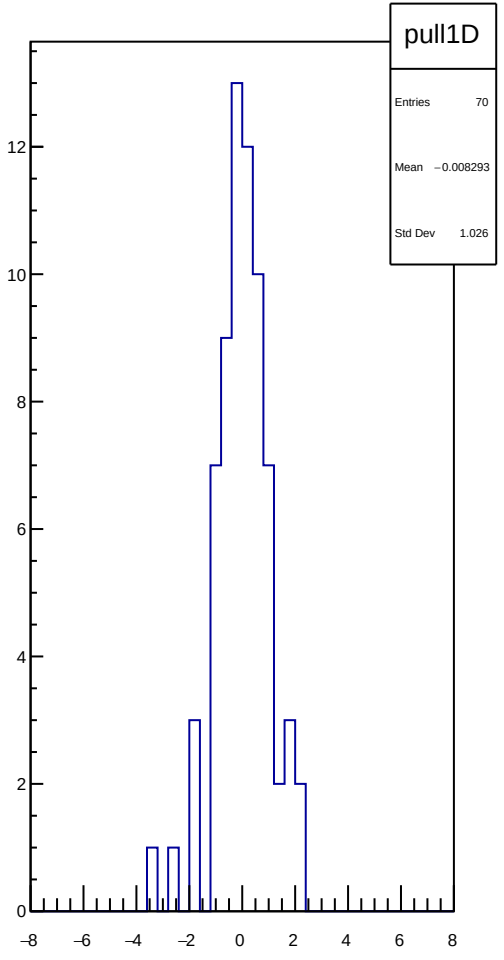

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.975e+05 / 69
p0 5.73e−11 ± 8.826e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

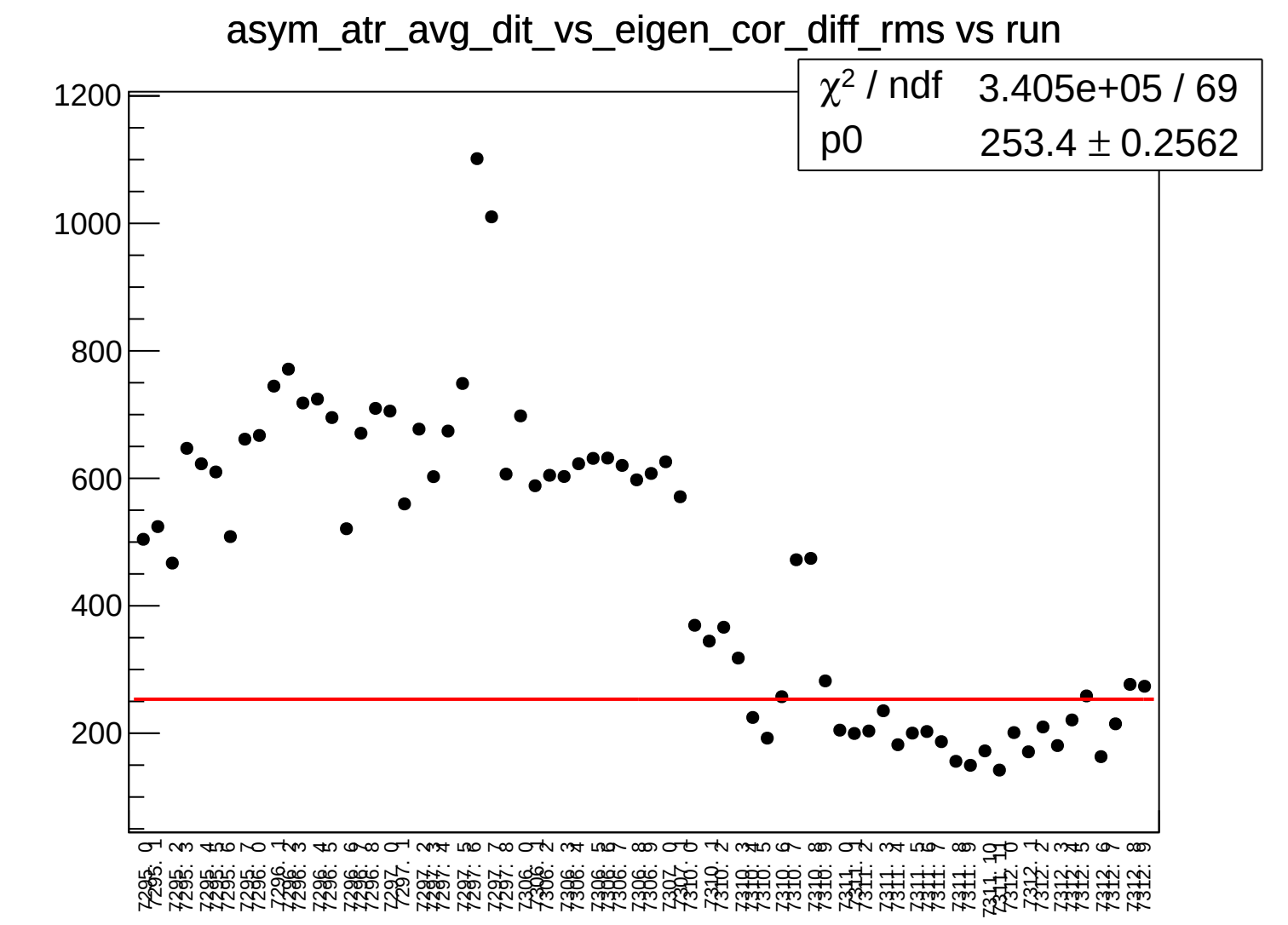

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.71 / 69
p0 0.05364 ± 0.3623
pull
Entries 70
Mean −132.2
Std Dev 0

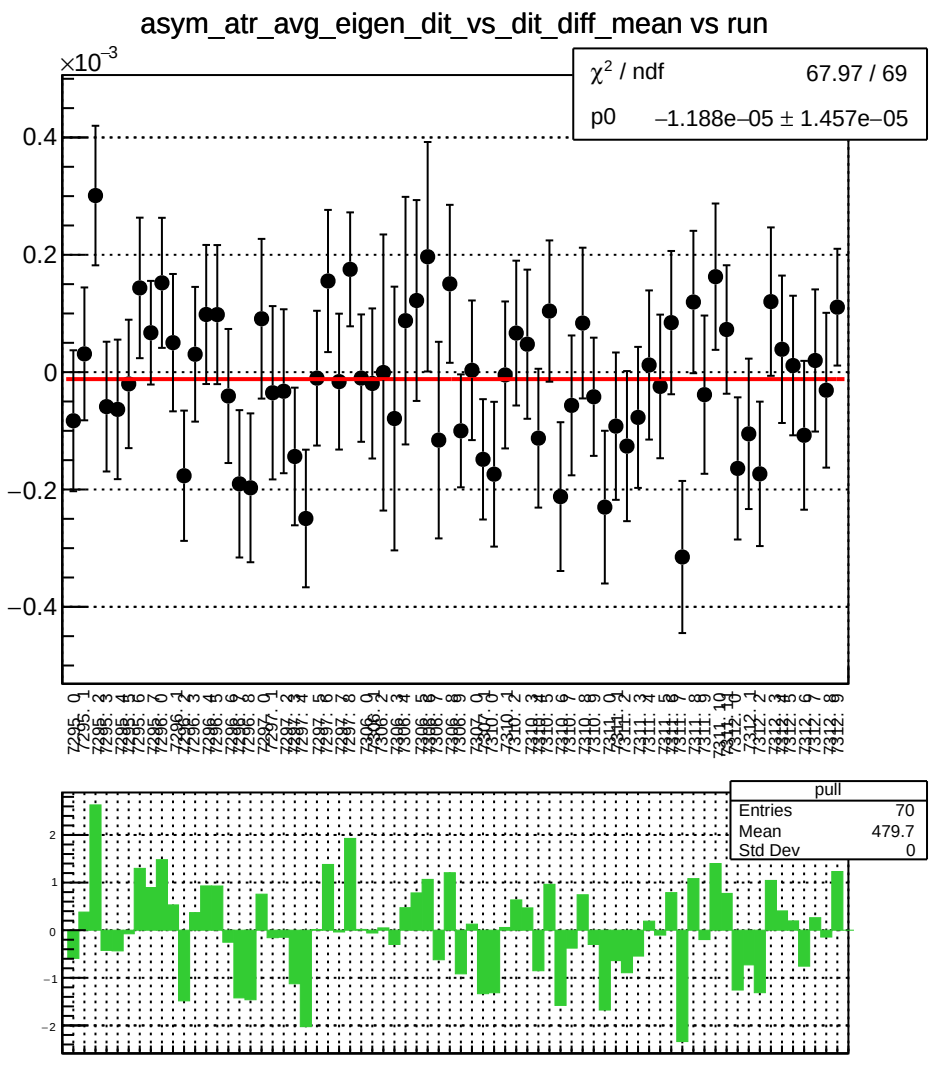

pull1D
Entries 70
Mean −0.008293
Std Dev 1.026

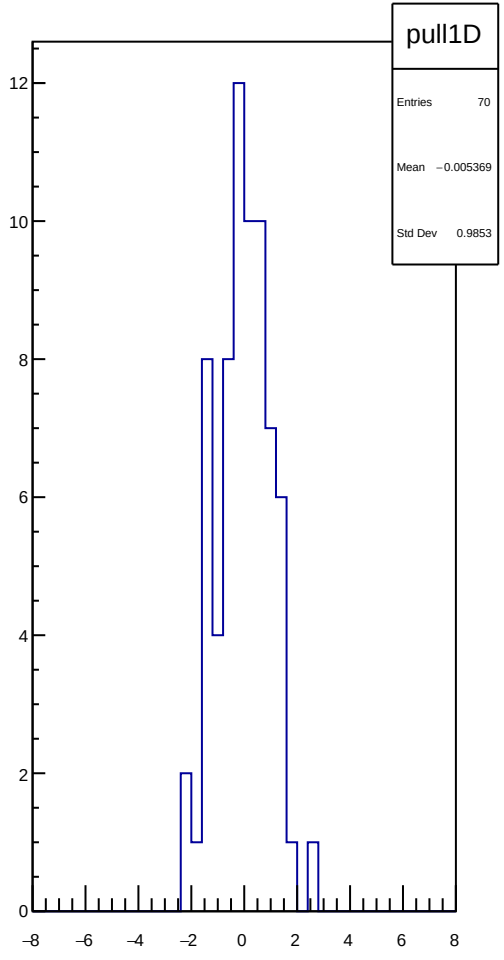

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 69
p0 253.4 ± 0.2562
1200
1000
800
600
400
200

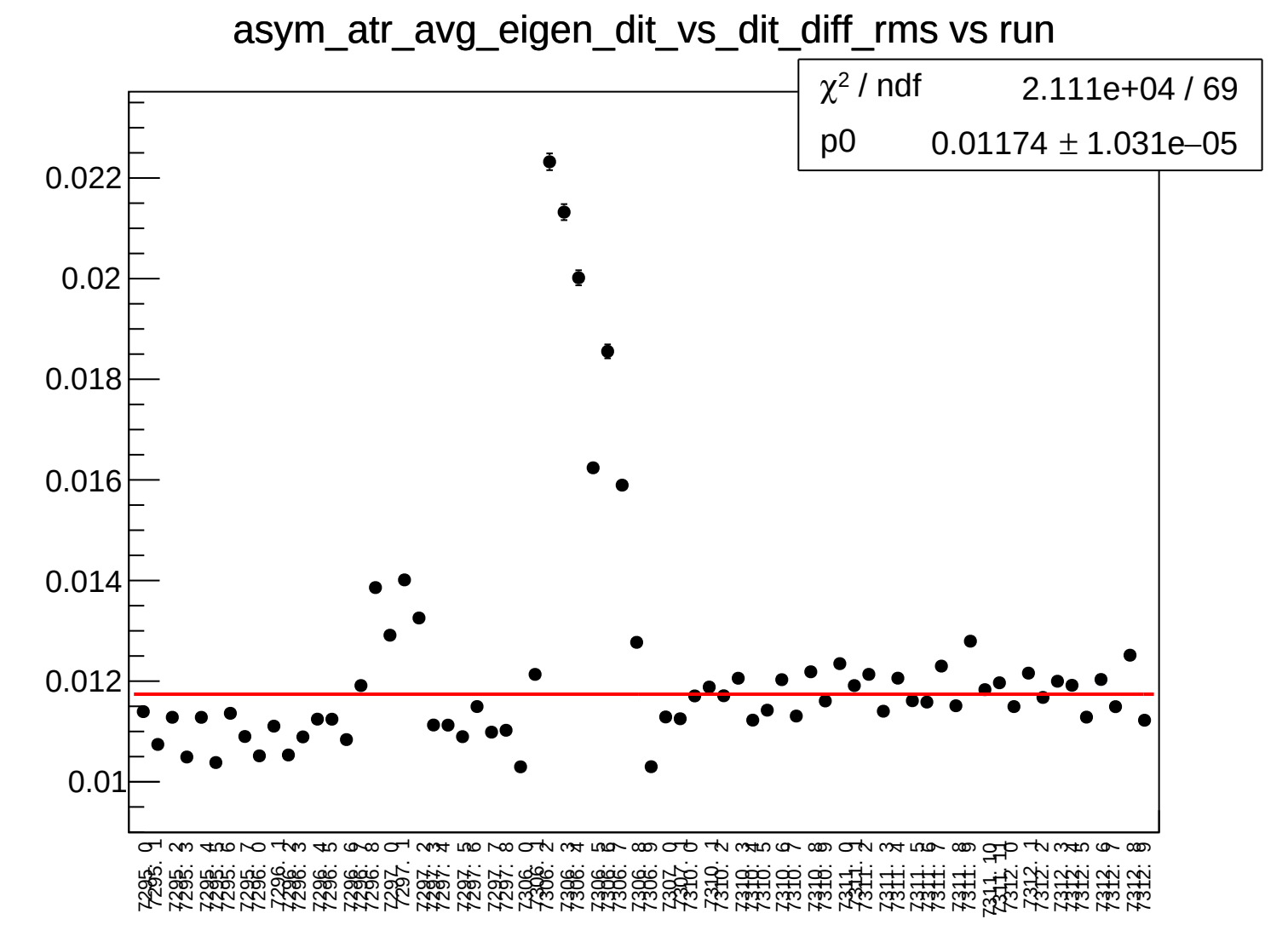

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.71 / 69
p0 0.05364 ± 0.3623
pull
Entries 70
Mean −132.2
Std Dev 0

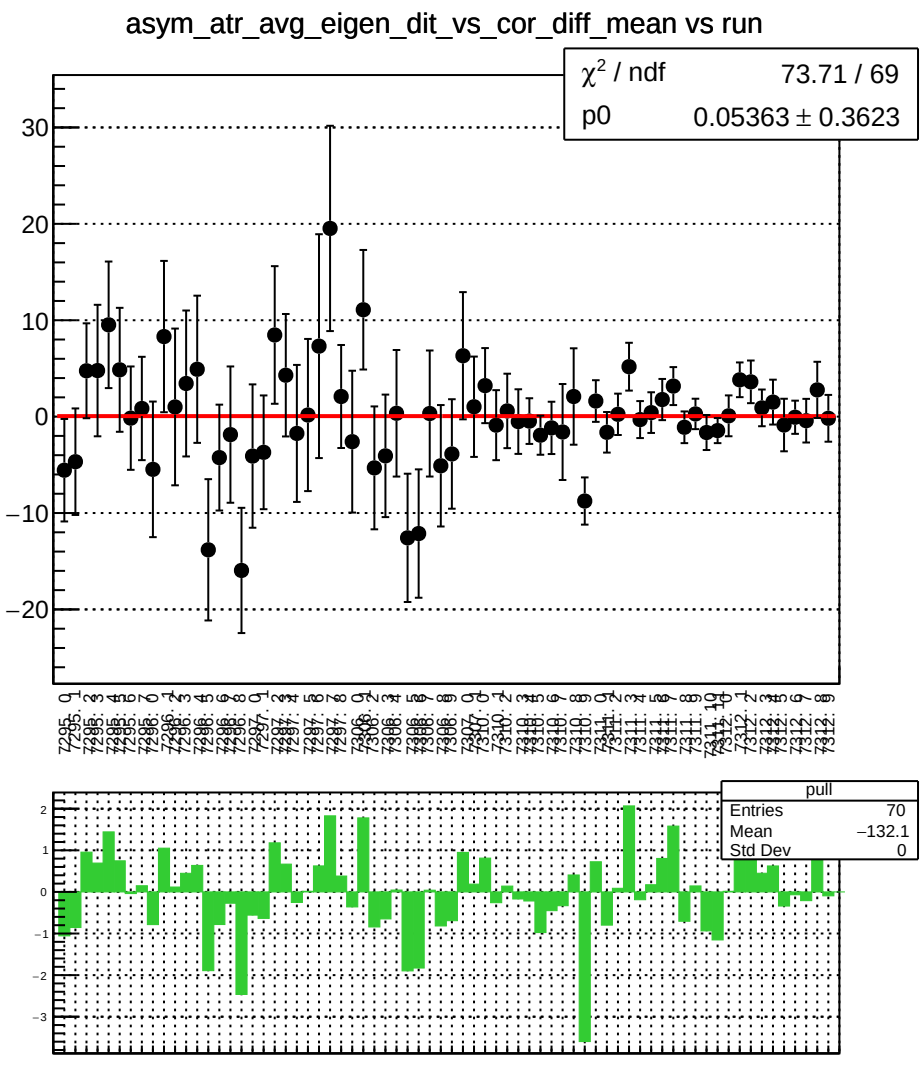

pull1D
Entries 70
Mean −0.008293
Std Dev 1.026

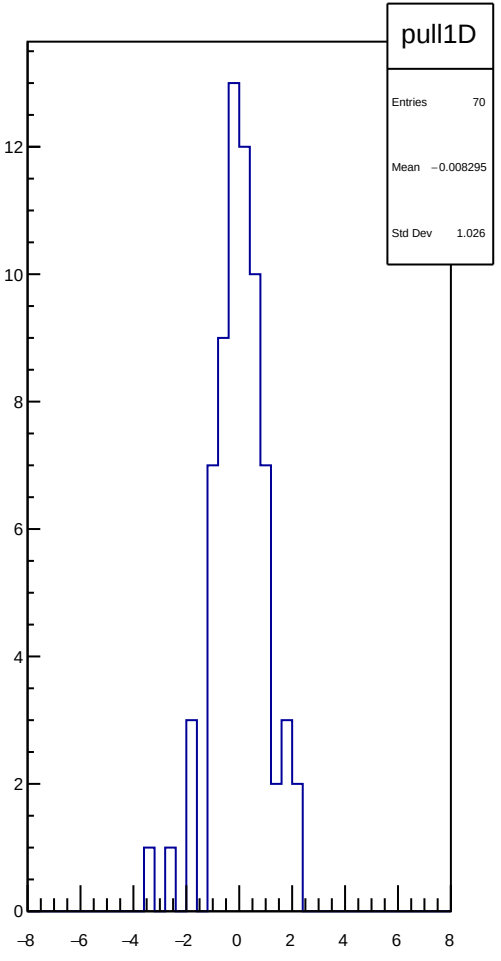

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 69
p0 253.4 ± 0.2562
1200
1000
800
600
400
200

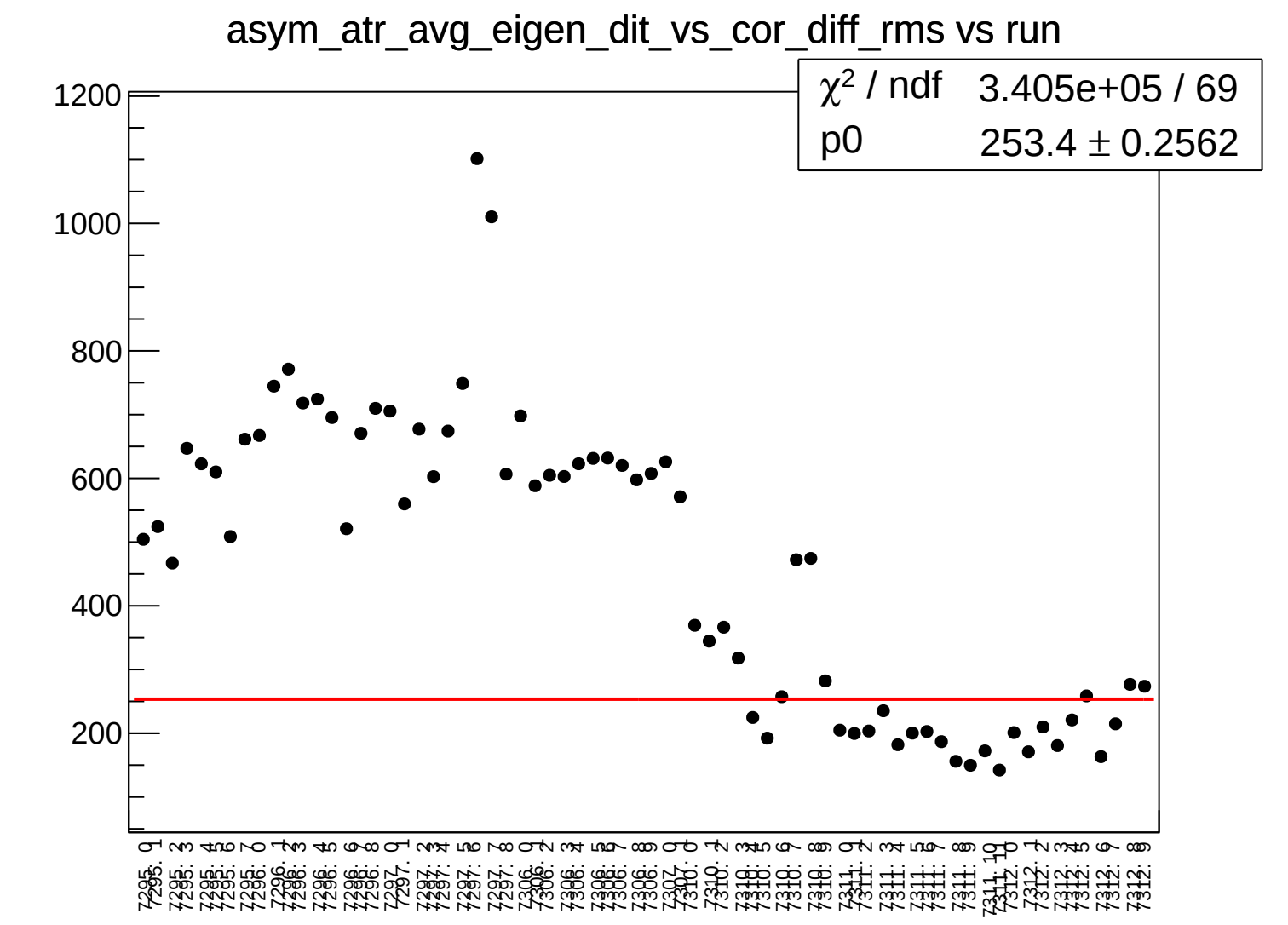

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.97 / 69
p0 −1.188e−05 ± 1.457e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 479.7
Std Dev 0
2
1
0
−1
−2

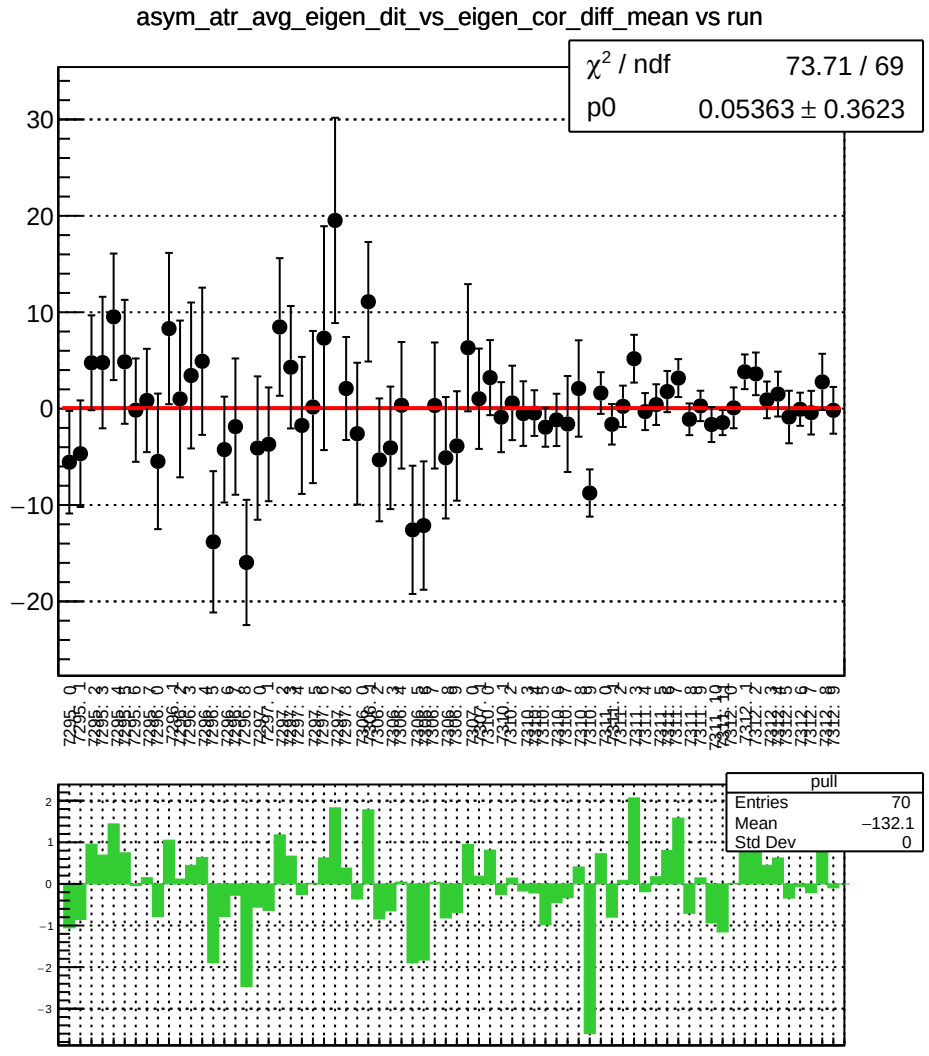

pull1D
Entries 70
Mean −0.005369
Std Dev 0.9853
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

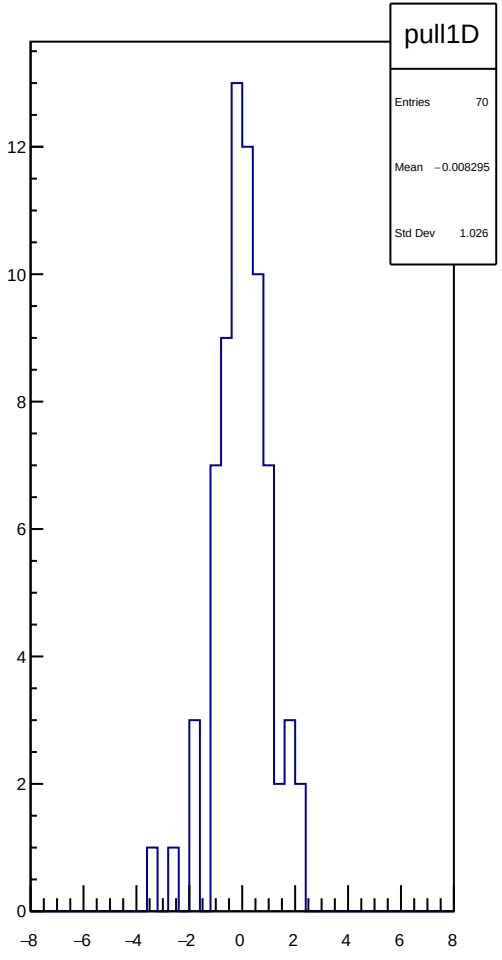

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.111e+04 / 69
p0 0.01174 ± 1.031e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01

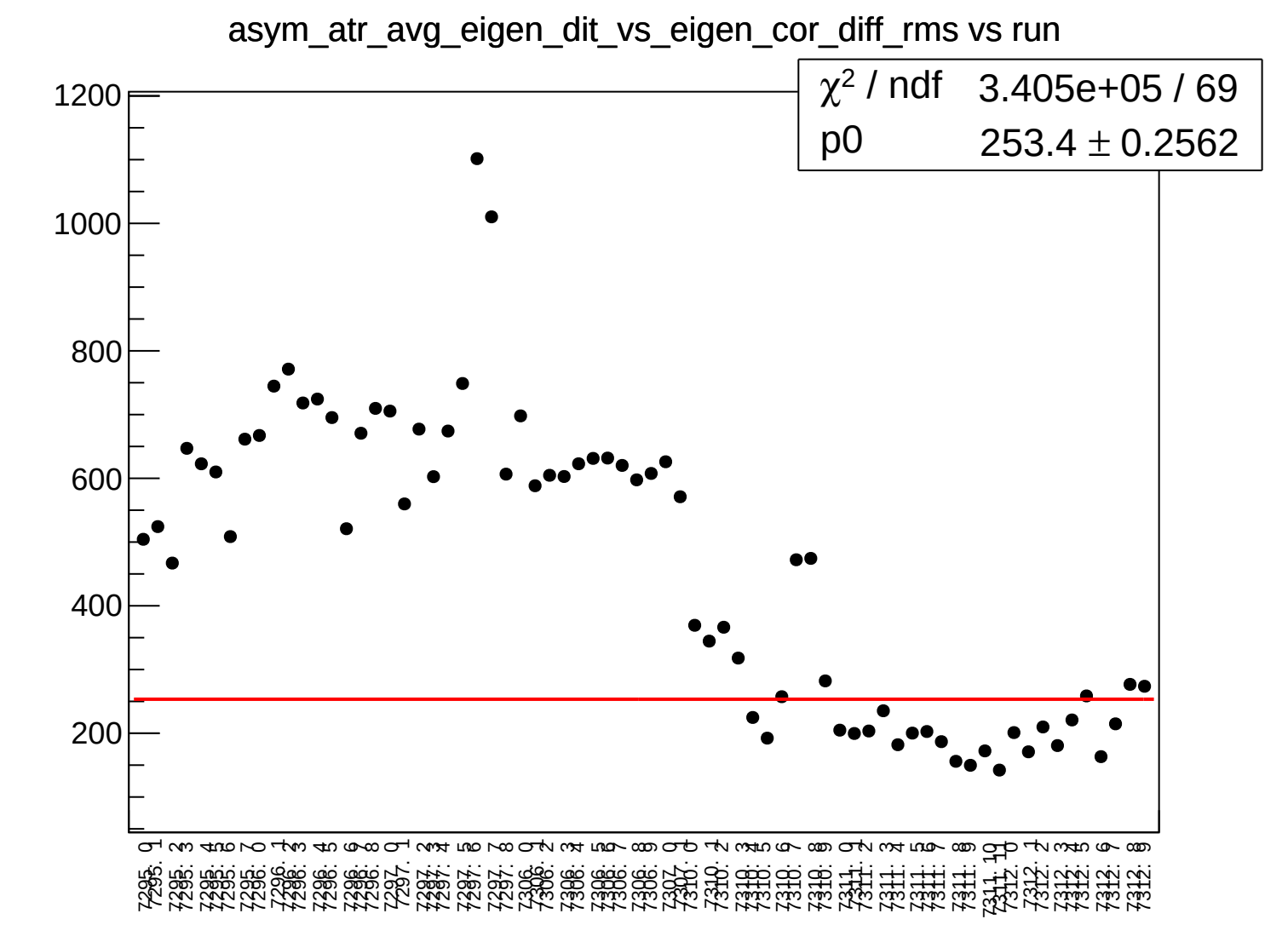

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.71 / 69
p0 0.05363 ± 0.3623
pull
Entries 70
Mean −132.1
Std Dev 0

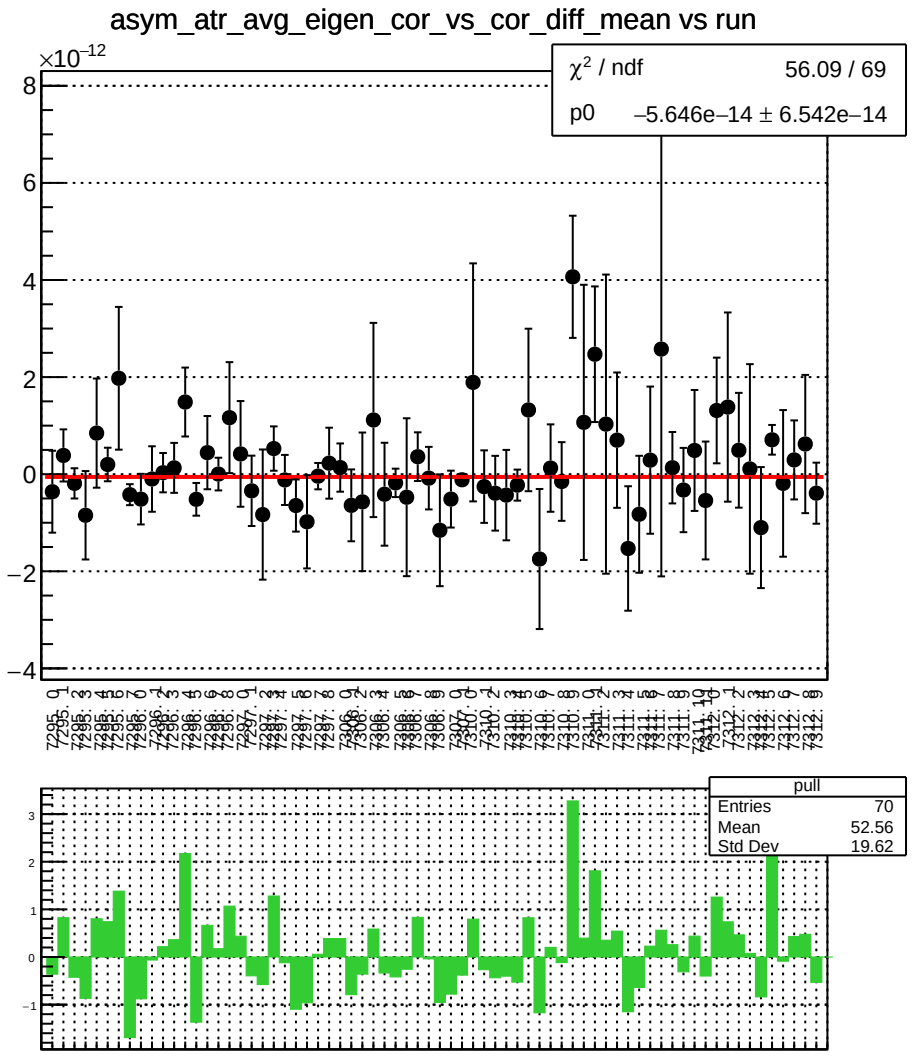

pull1D
Entries 70
Mean −0.008295
Std Dev 1.026

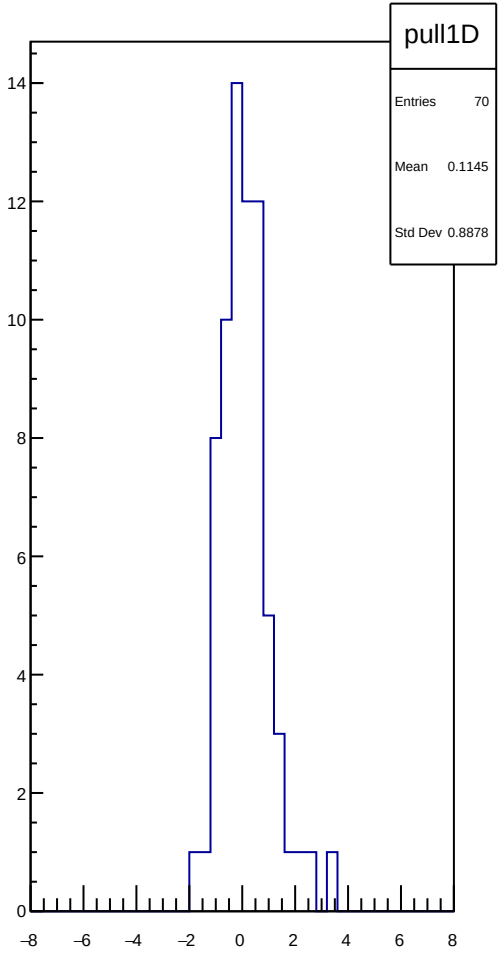

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 69
p0 253.4 ± 0.2562
1200
1000
800
600
400
200

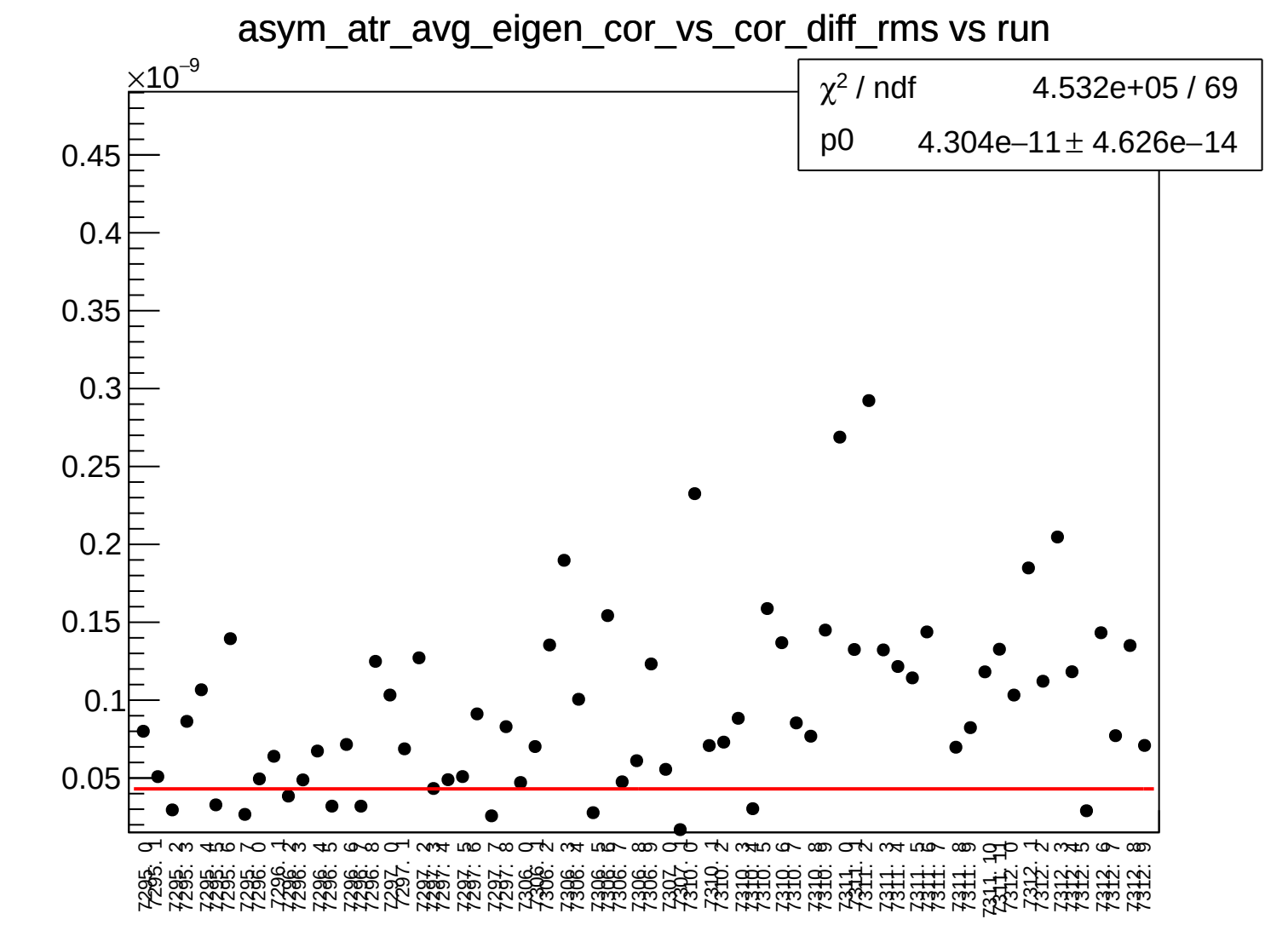

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.71 / 69
p0 0.05363 ± 0.3623
pull
Entries 70
Mean −132.1
Std Dev 0

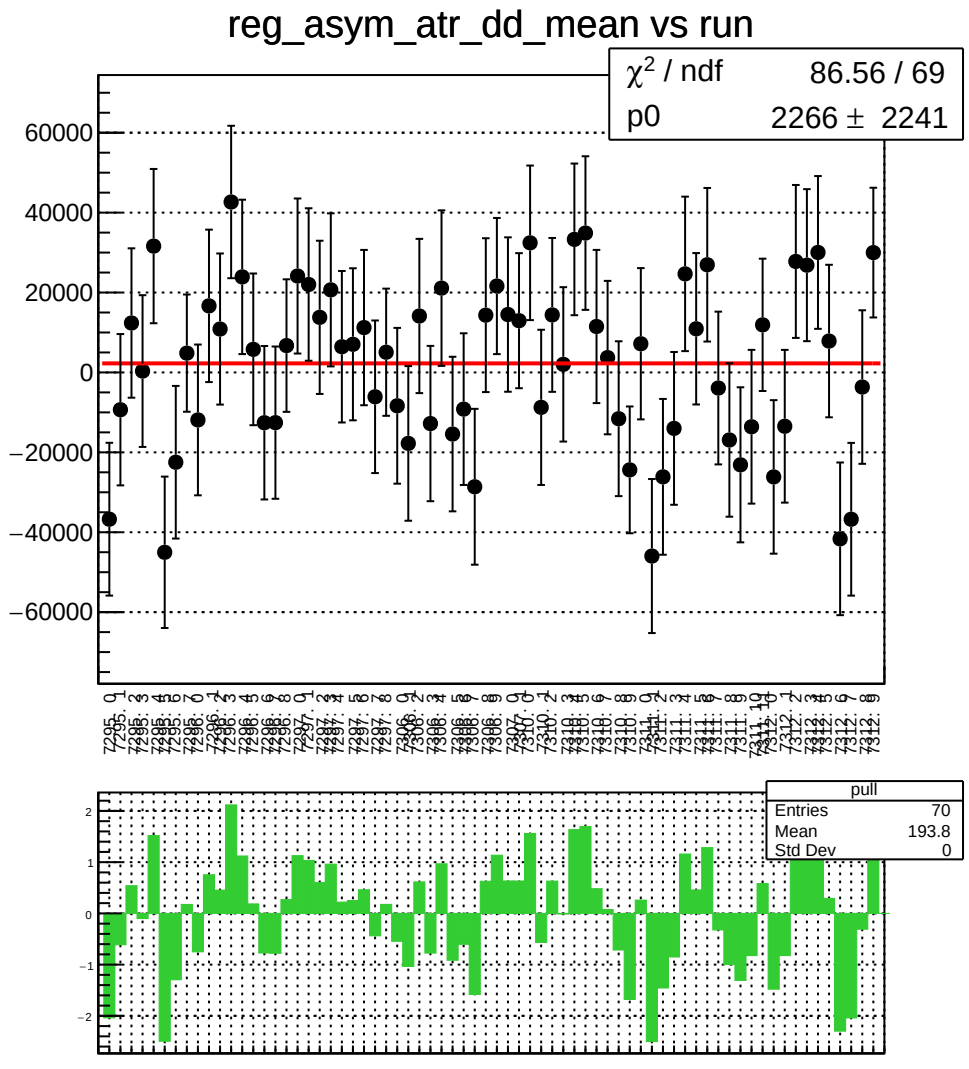

pull1D
Entries 70
Mean −0.008295
Std Dev 1.026

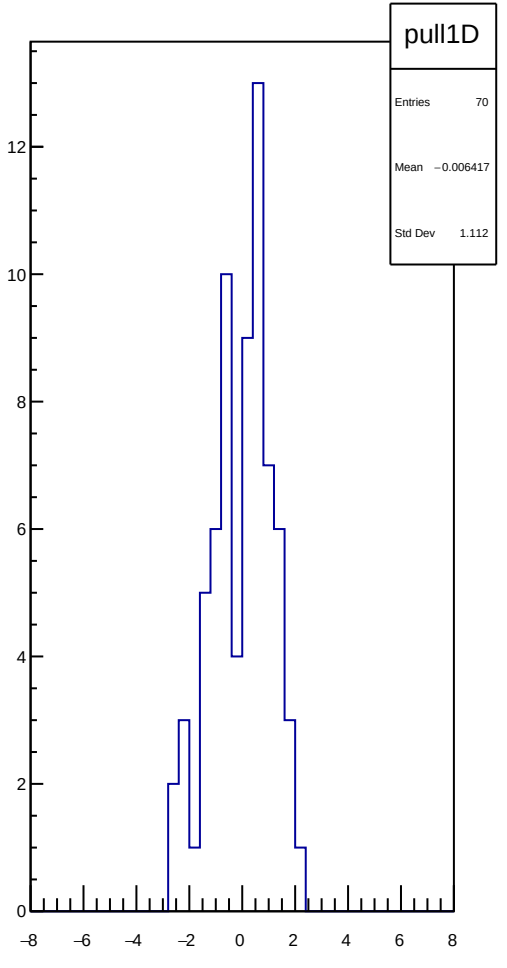

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.405e+05 / 69
p0 253.4 ± 0.2562
1200
1000
800
600
400
200

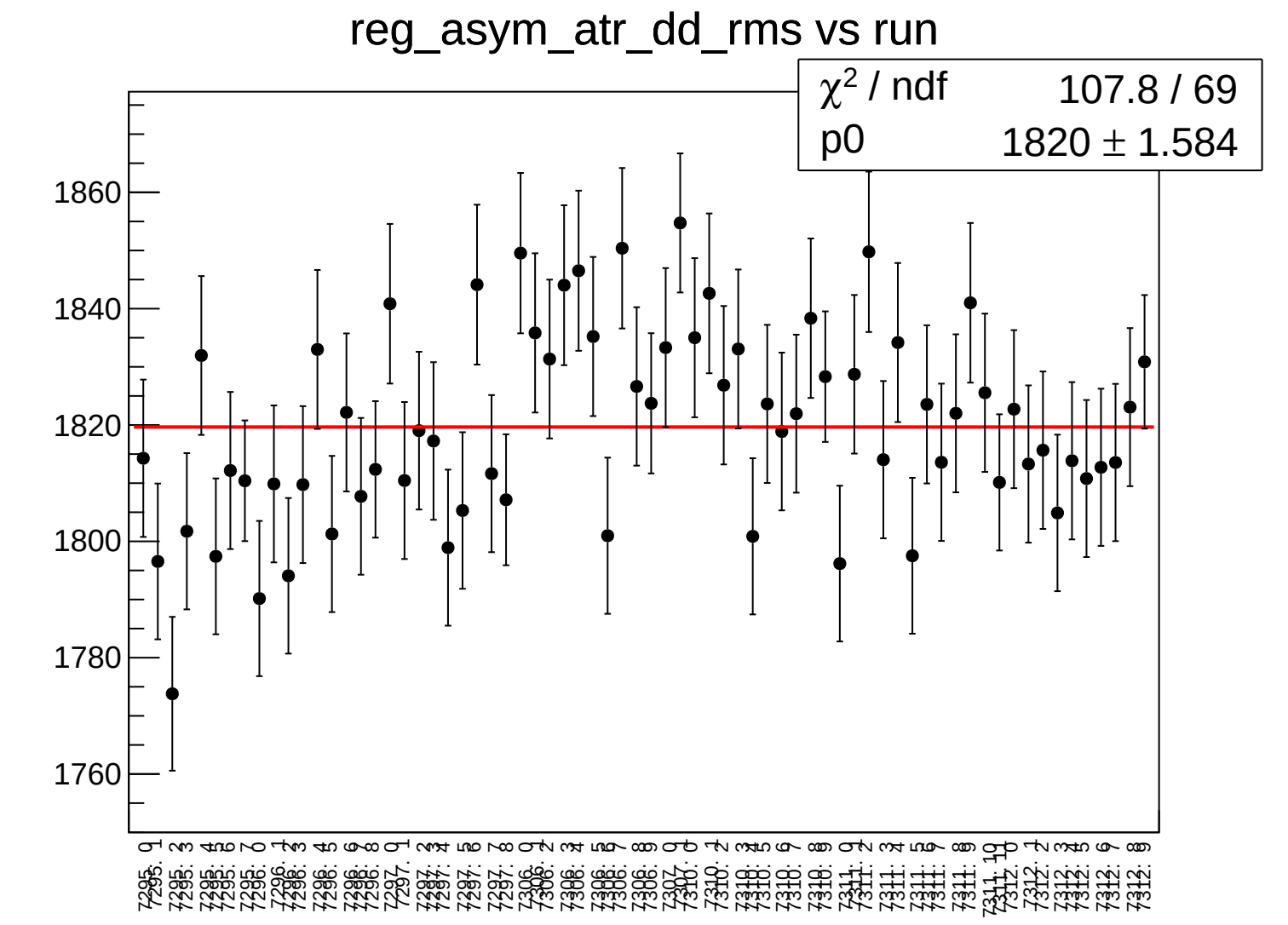

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.09 / 69
p0 −5.646e−14 ± 6.542e−14
pull
Entries 70
Mean 52.56
Std Dev 19.62

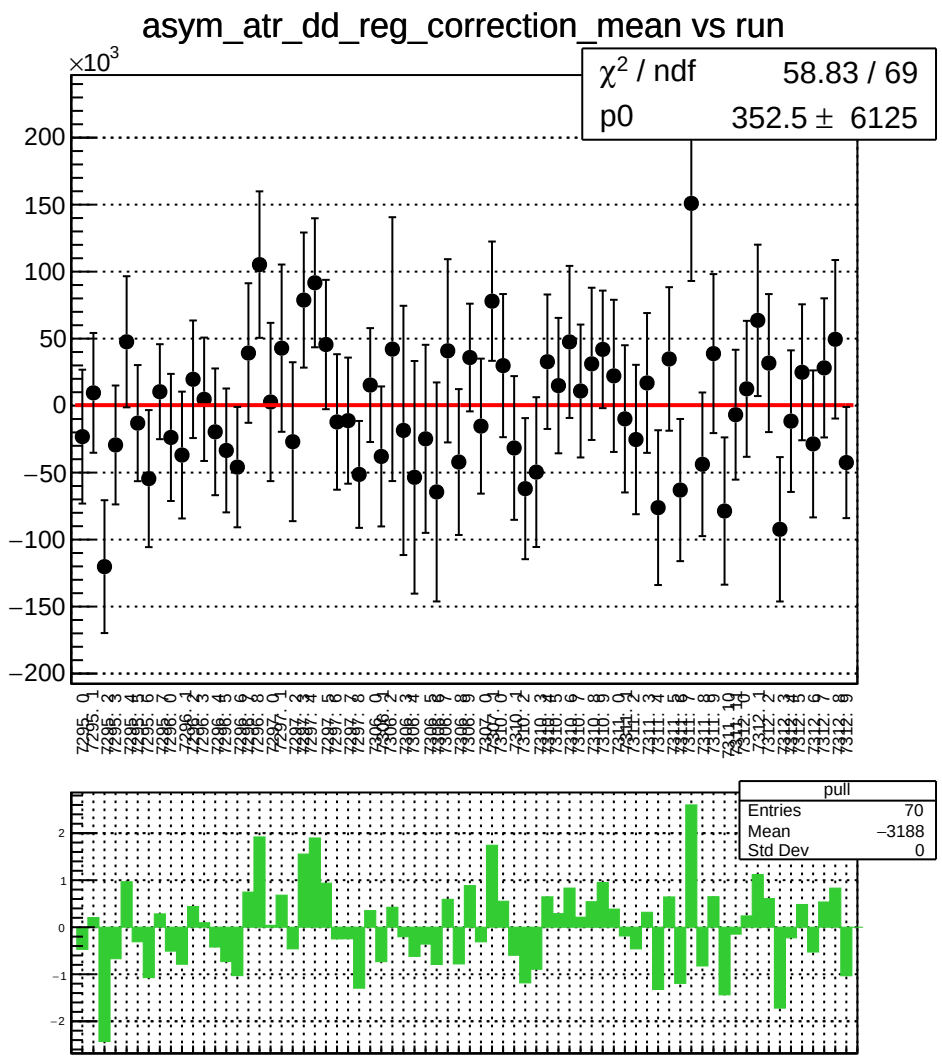

pull1D
Entries 70
Mean 0.1145
Std Dev 0.8878

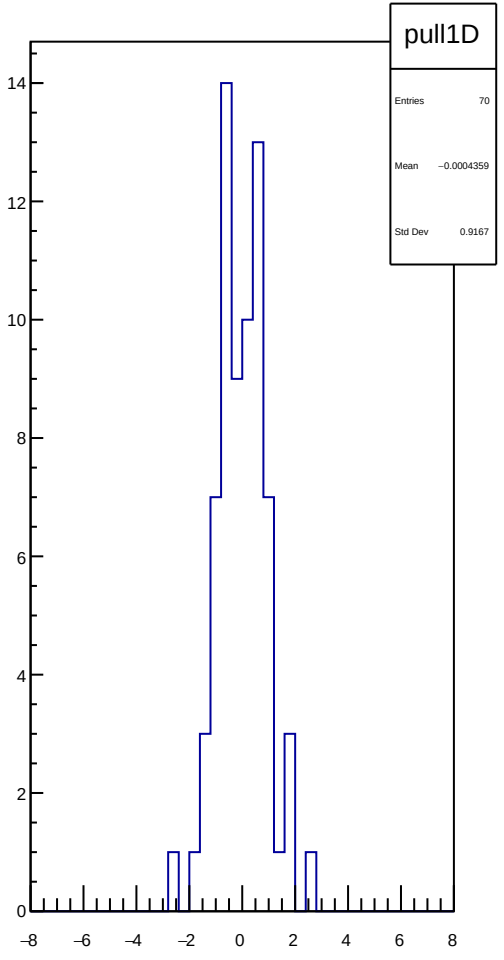

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.532e+05 / 69
p0 4.304e−11 ± 4.626e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

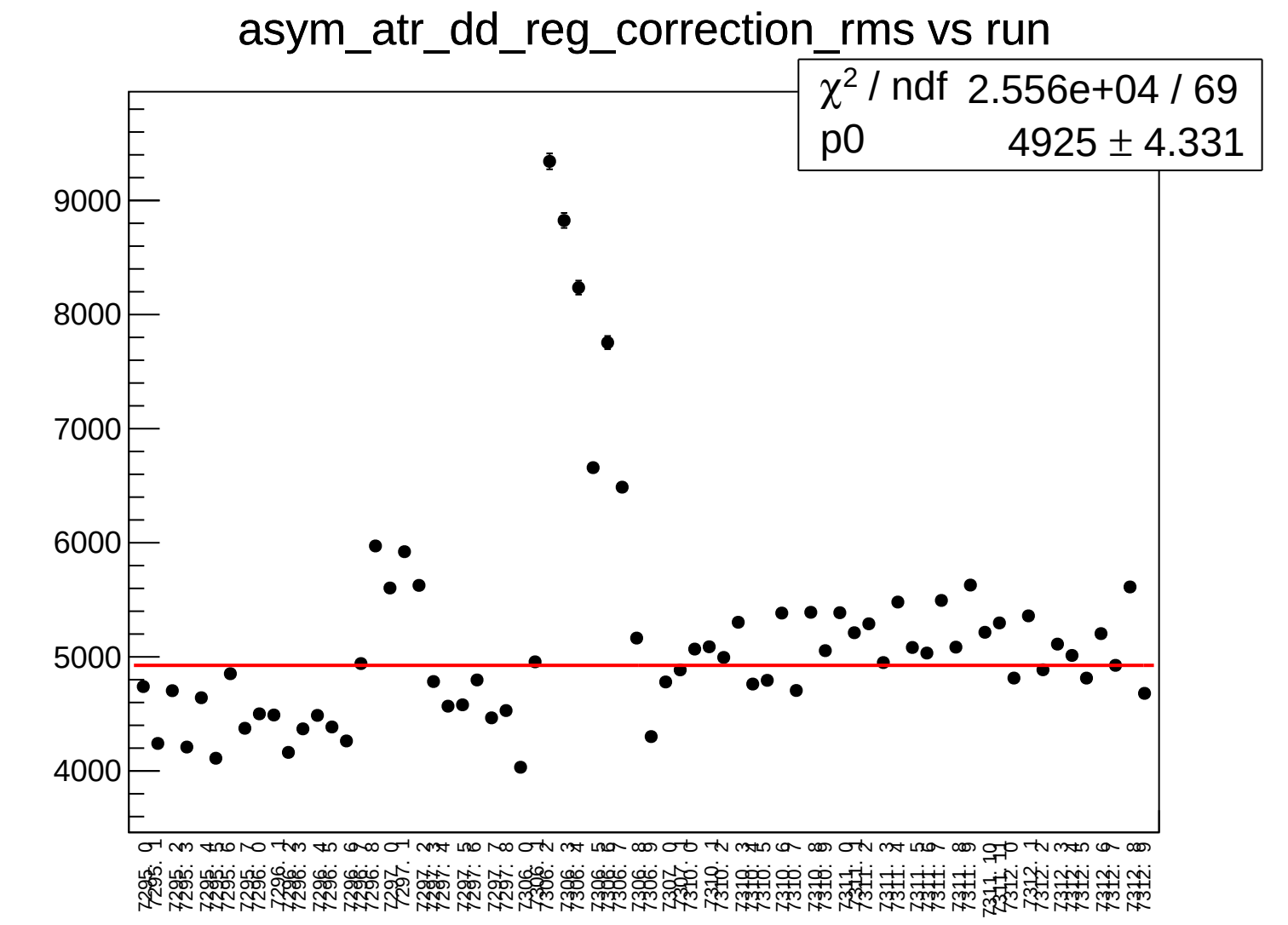

reg_asym_atr_dd_mean vs run
χ^2 / ndf 86.56 / 69
p0 2266 ± 2241
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 193.8
Std Dev 0
2
1
0
−1
−2

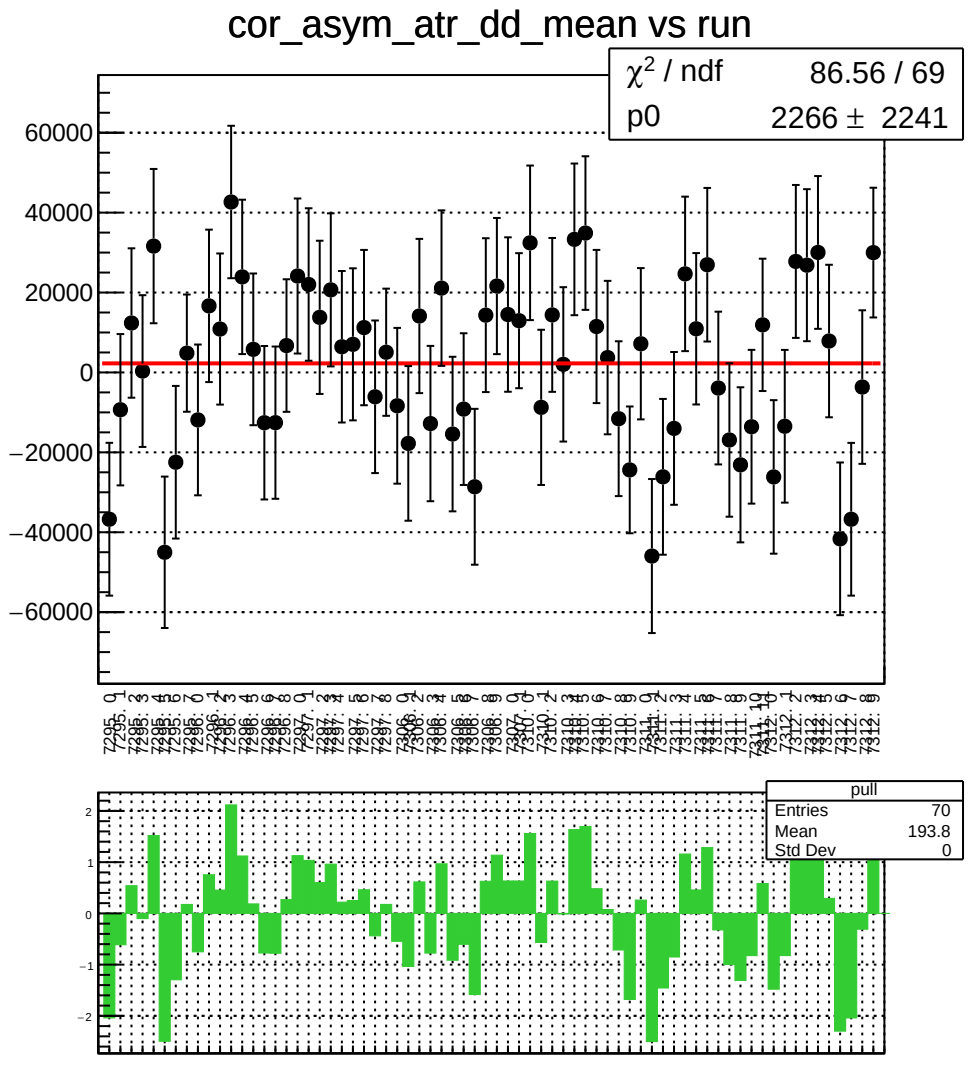

pull1D
Entries 70
Mean −0.006417
Std Dev 1.112
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

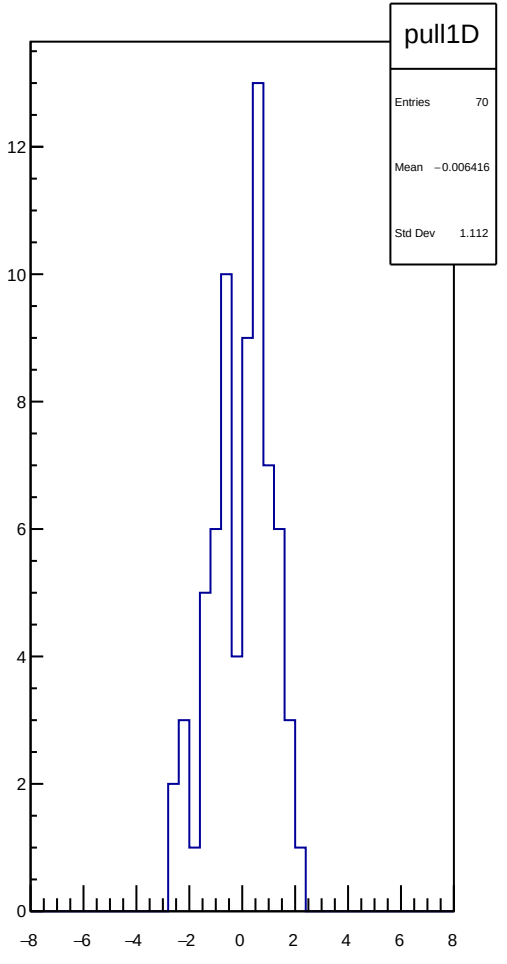

reg_asym_atr_dd_rms vs run
χ^2 / ndf 107.8 / 69
p0 1820 ± 1.584
1860
1840
1820
1800
1780
1760

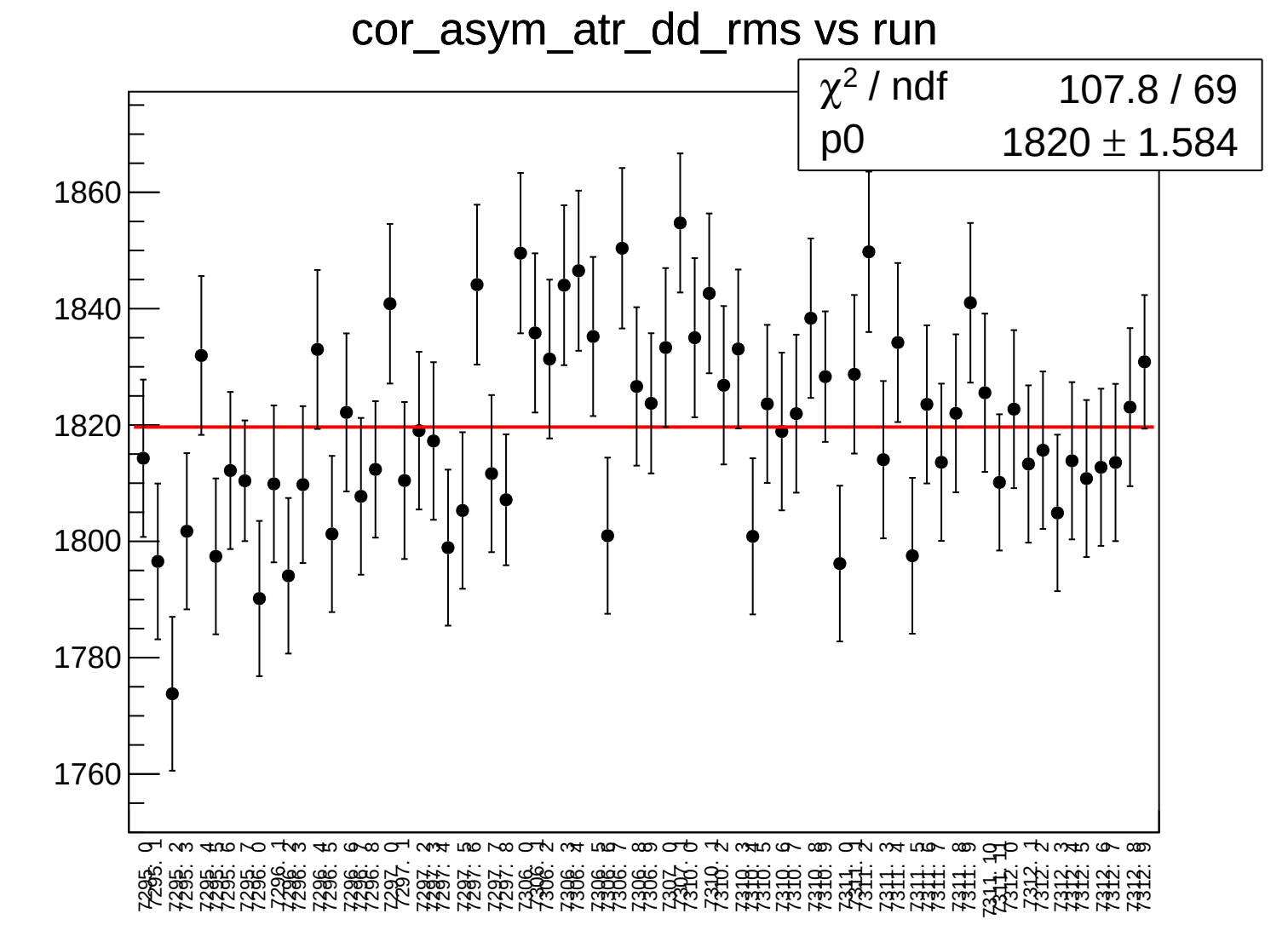

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.83 / 69
p0 352.5 ± 6125
pull
Entries 70
Mean −3188
Std Dev 0

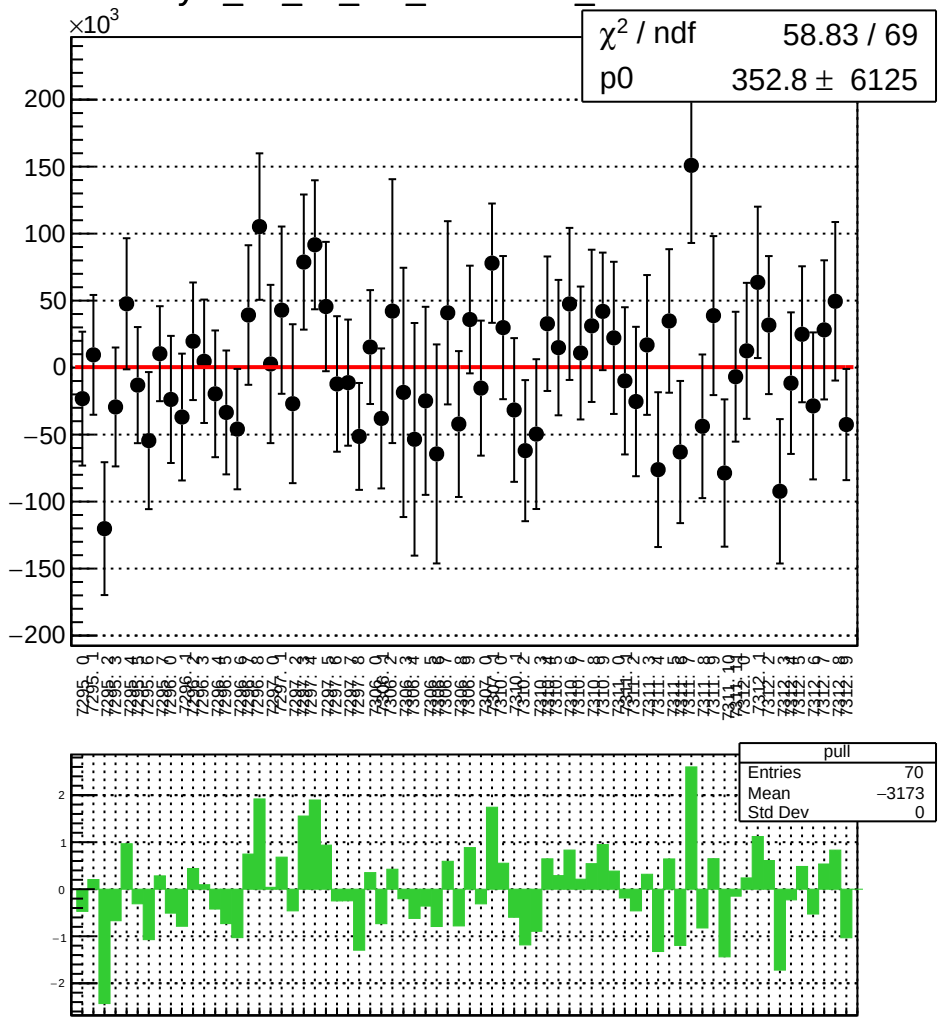

pull1D
Entries 70
Mean −0.0004359
Std Dev 0.9167

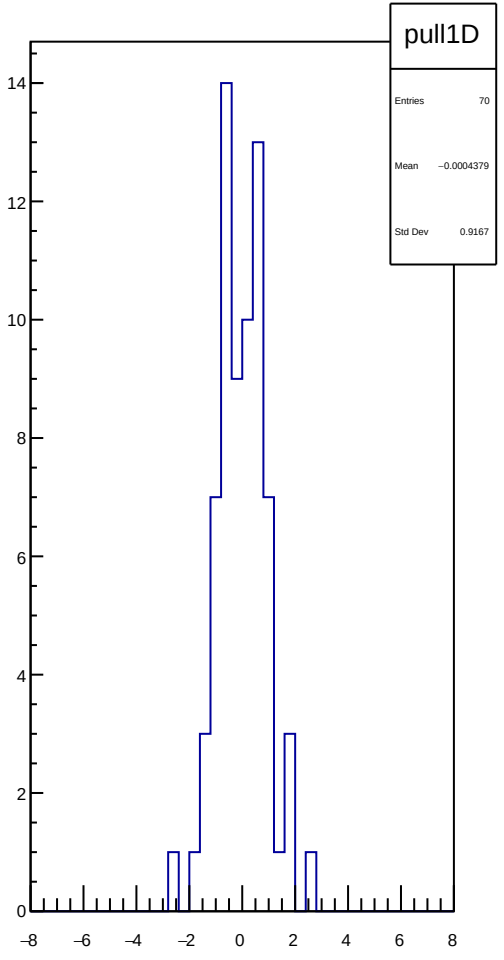

asym_atr_dd_reg_correction_rms vs run
χ^2 / ndf 2.556e+04 / 69
p0 4925 ± 4.331
9000
8000
7000
6000
5000
4000

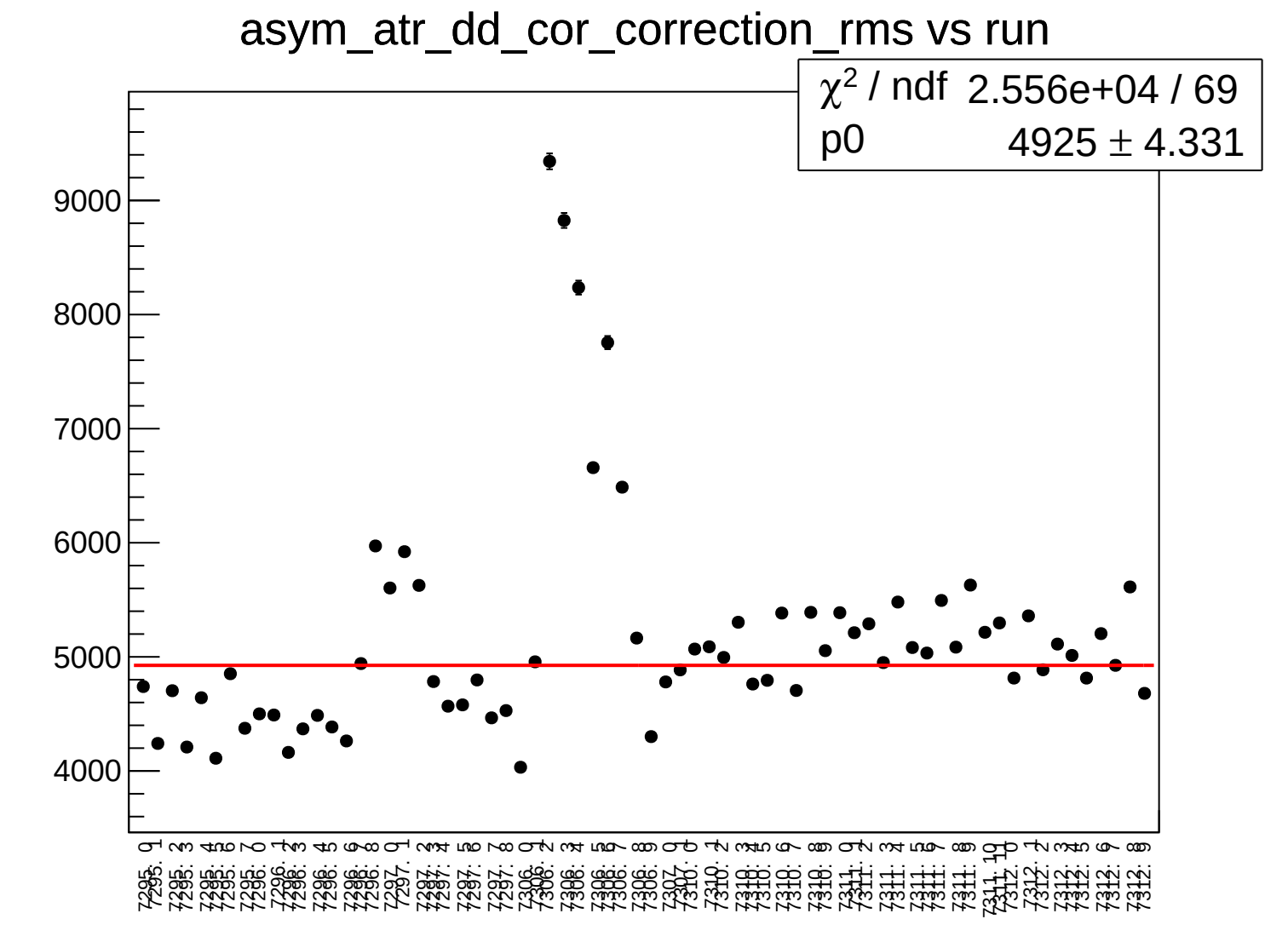

cor_asym_atr_dd_mean vs run
χ² / ndf 86.56 / 69
p0 2266 ± 2241
pull
Entries 70
Mean 193.8
Std Dev 0

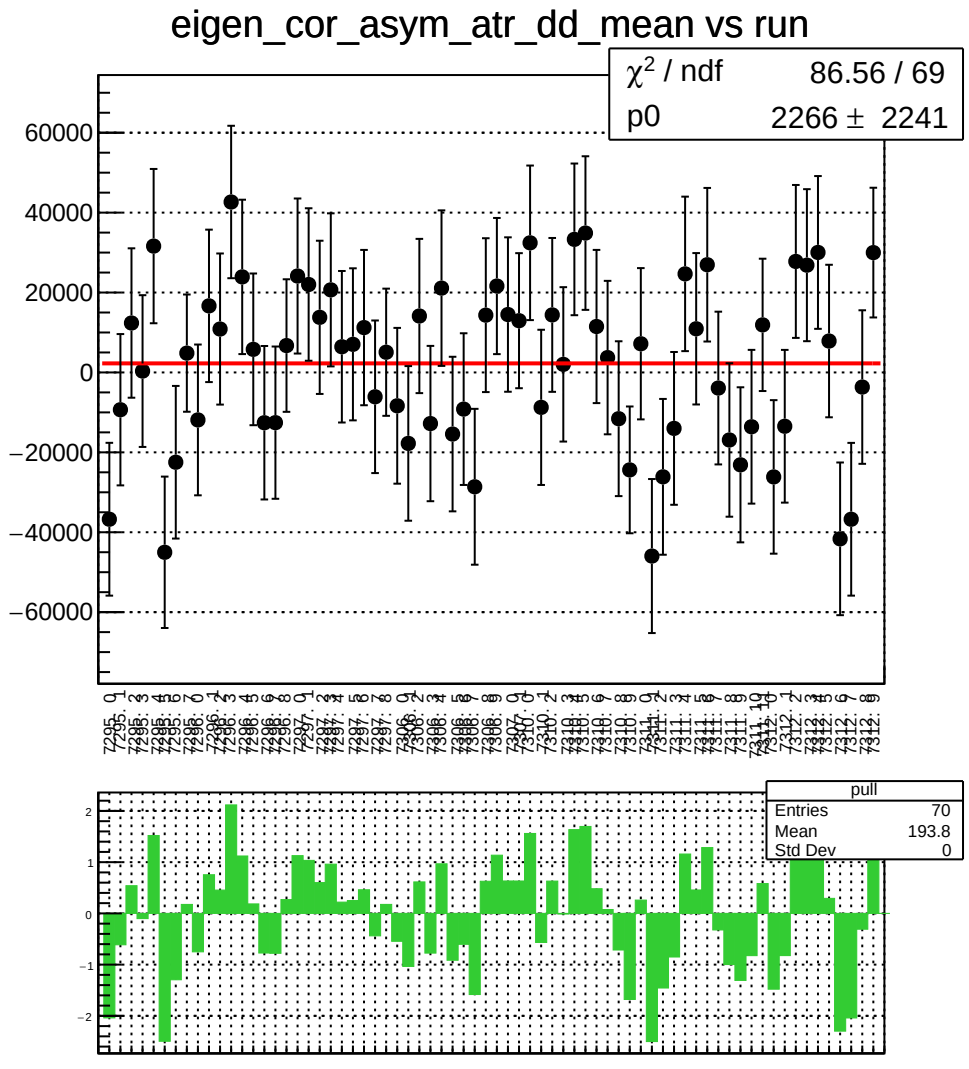

pull1D
Entries 70
Mean −0.006416
Std Dev 1.112

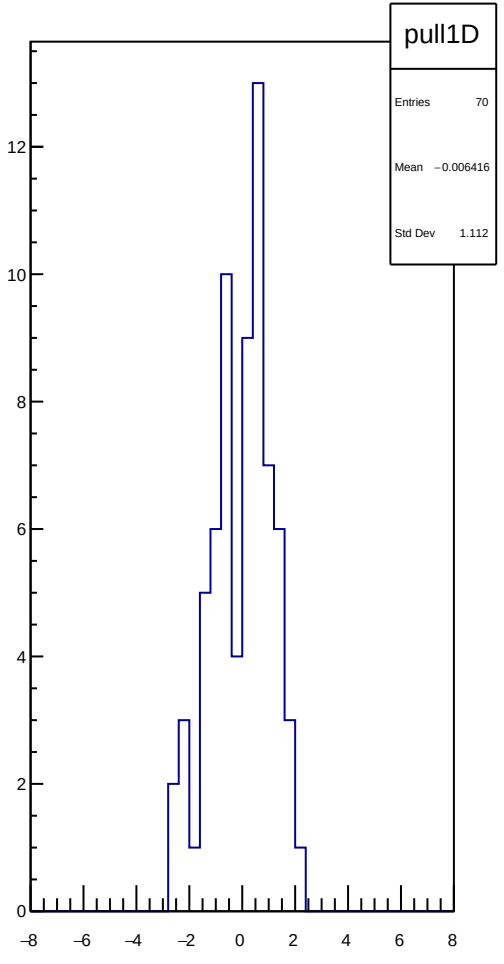

cor_asym_atr_dd_rms vs run
χ^2 / ndf 107.8 / 69
p0 1820 ± 1.584
1860
1840
1820
1800
1780
1760

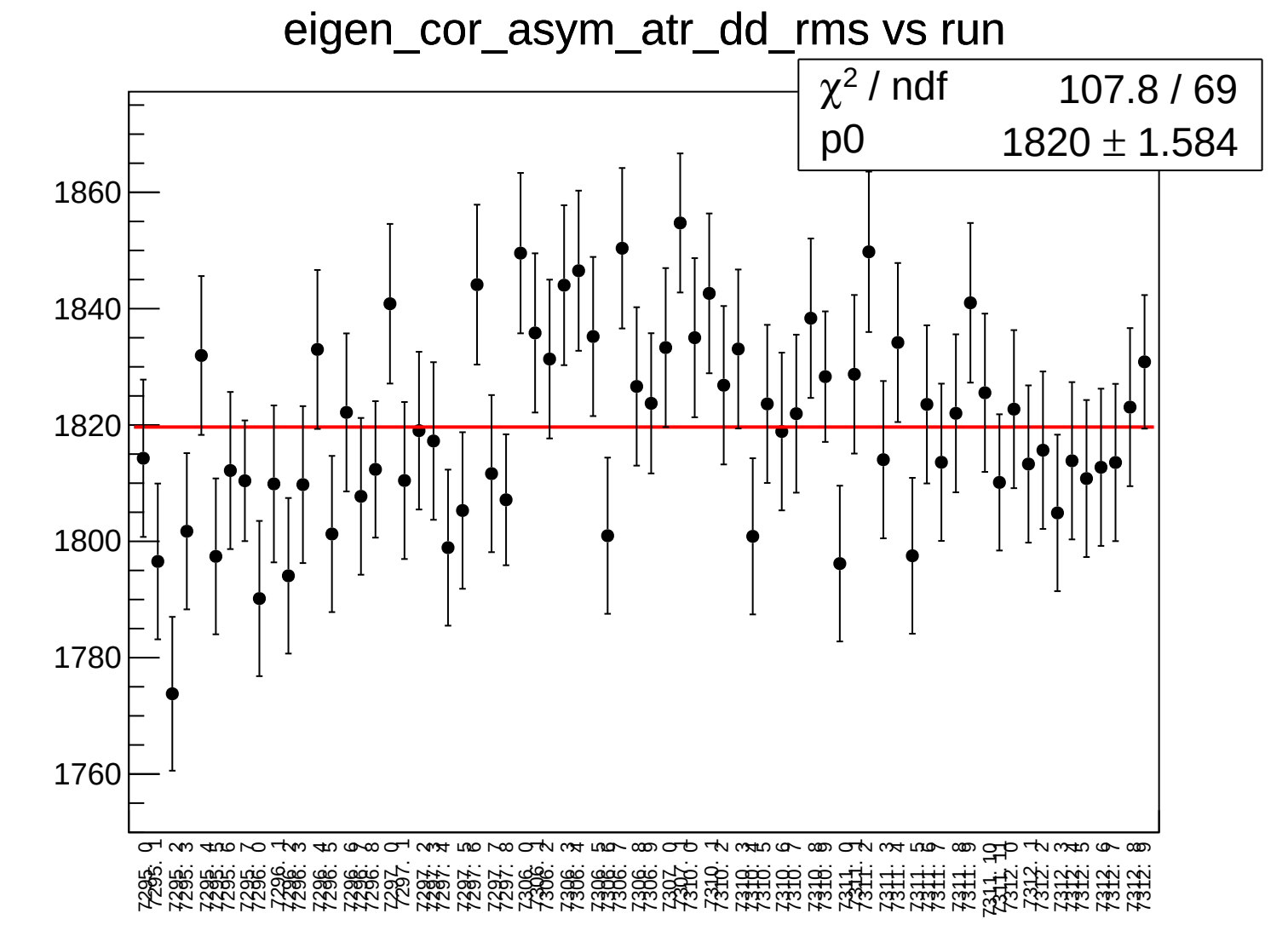

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 58.83 / 69
p0 352.8 ± 6125
pull
Entries 70
Mean −3173
Std Dev 0

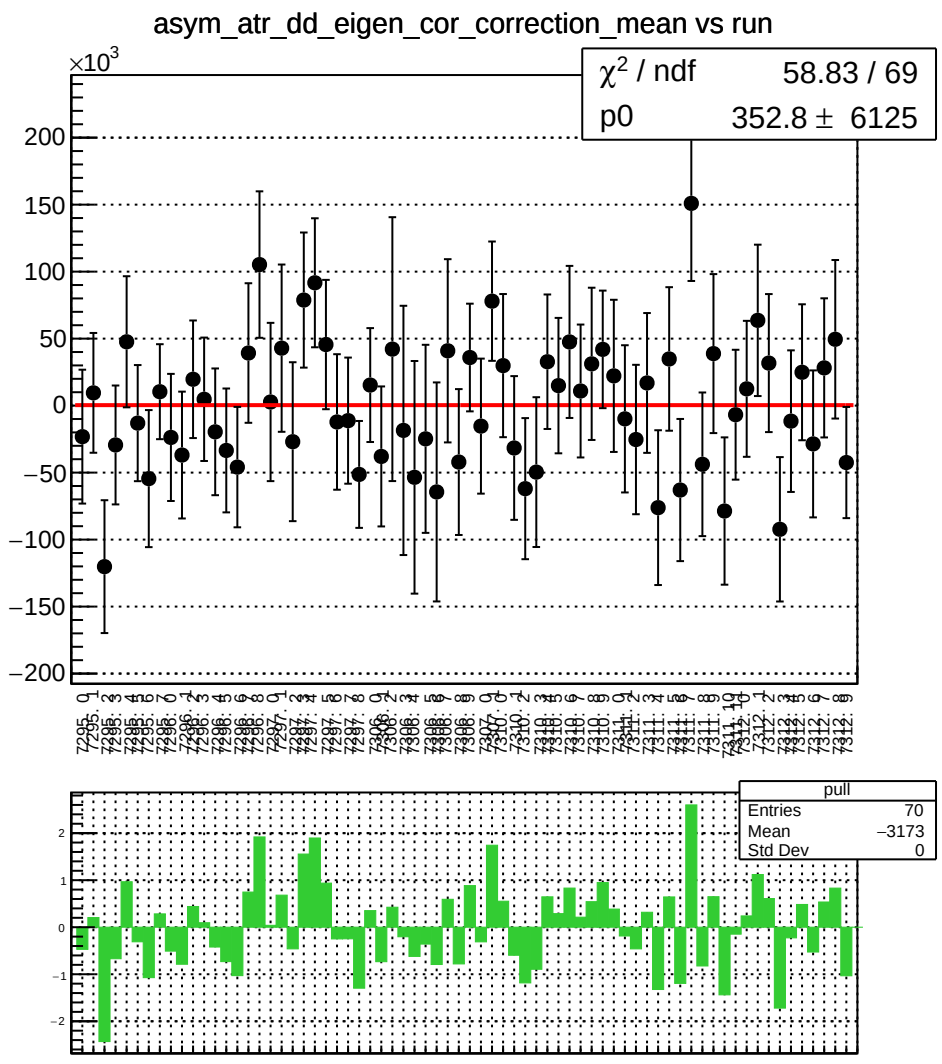

pull1D
Entries 70
Mean −0.0004379
Std Dev 0.9167

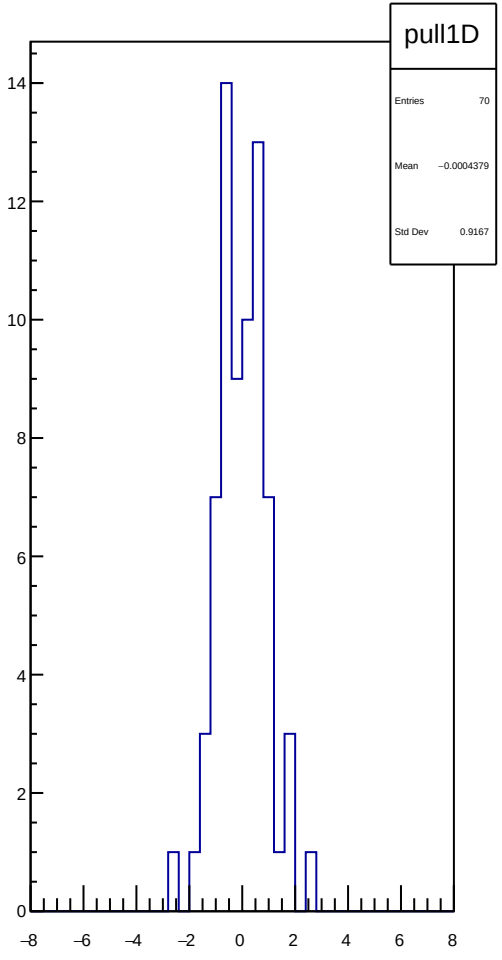

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2.556e+04 / 69
p0 4925 ± 4.331
9000
8000
7000
6000
5000
4000

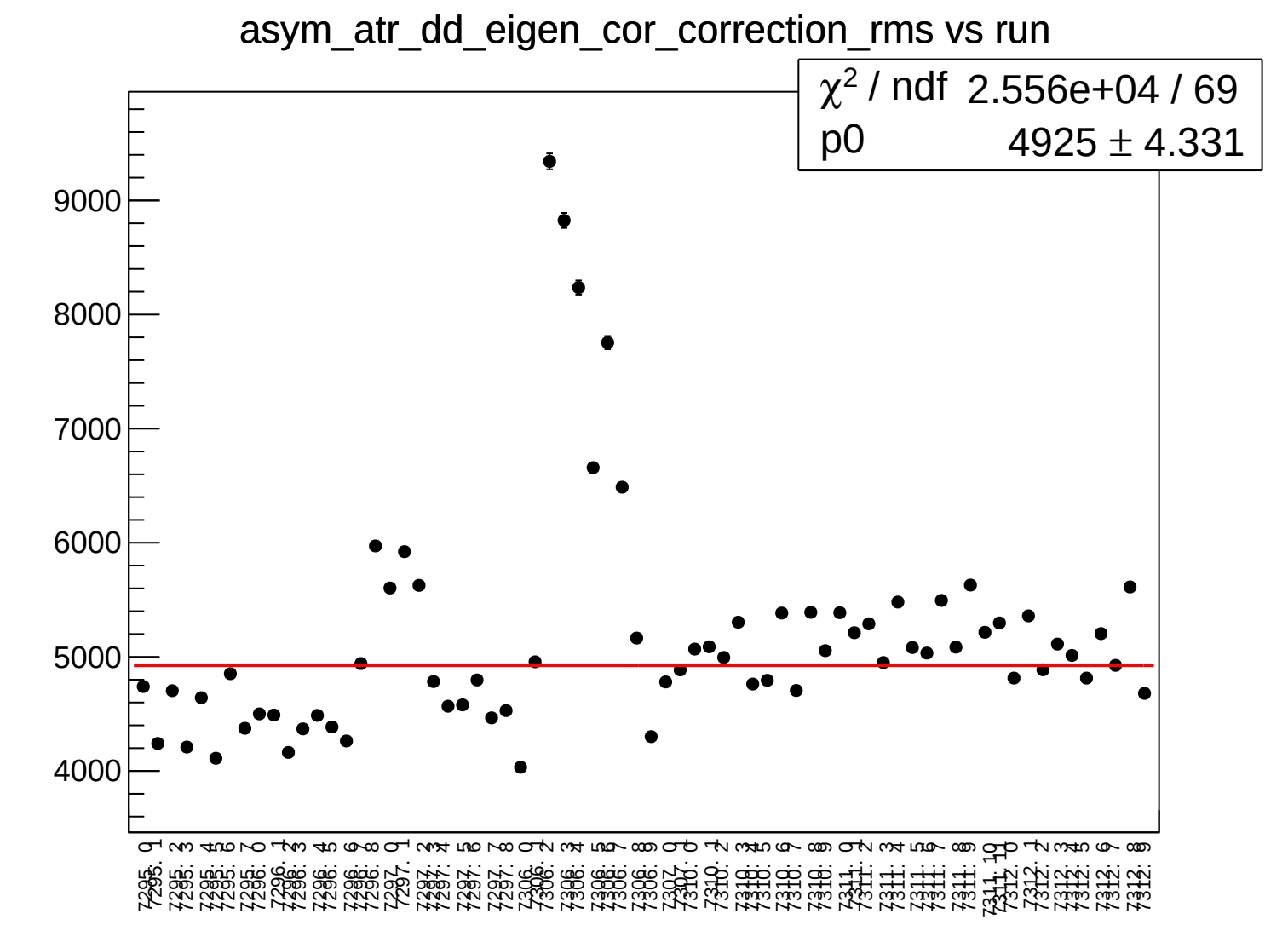

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 86.56 / 69
p0 2266 ± 2241
pull
Entries 70
Mean 193.8
Std Dev 0

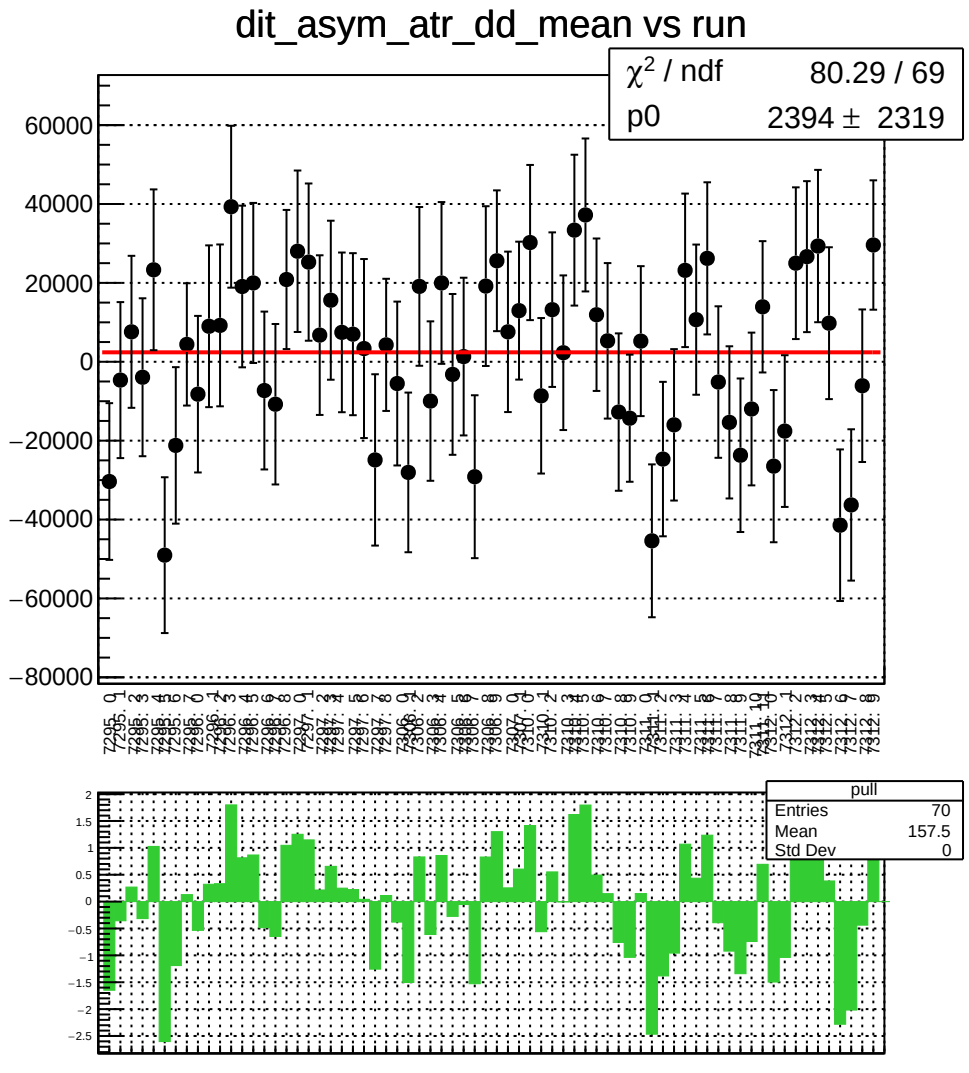

pull1D
Entries 70
Mean −0.006416
Std Dev 1.112

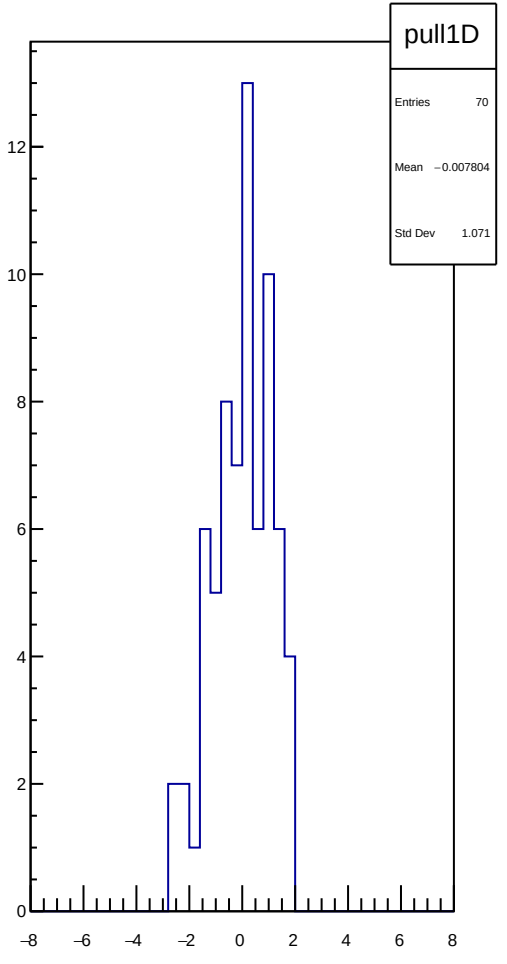

eigen_cor_asym_atr_dd_rms vs run
χ^2 / ndf 107.8 / 69
p0 1820 ± 1.584
1860
1840
1820
1800
1780
1760

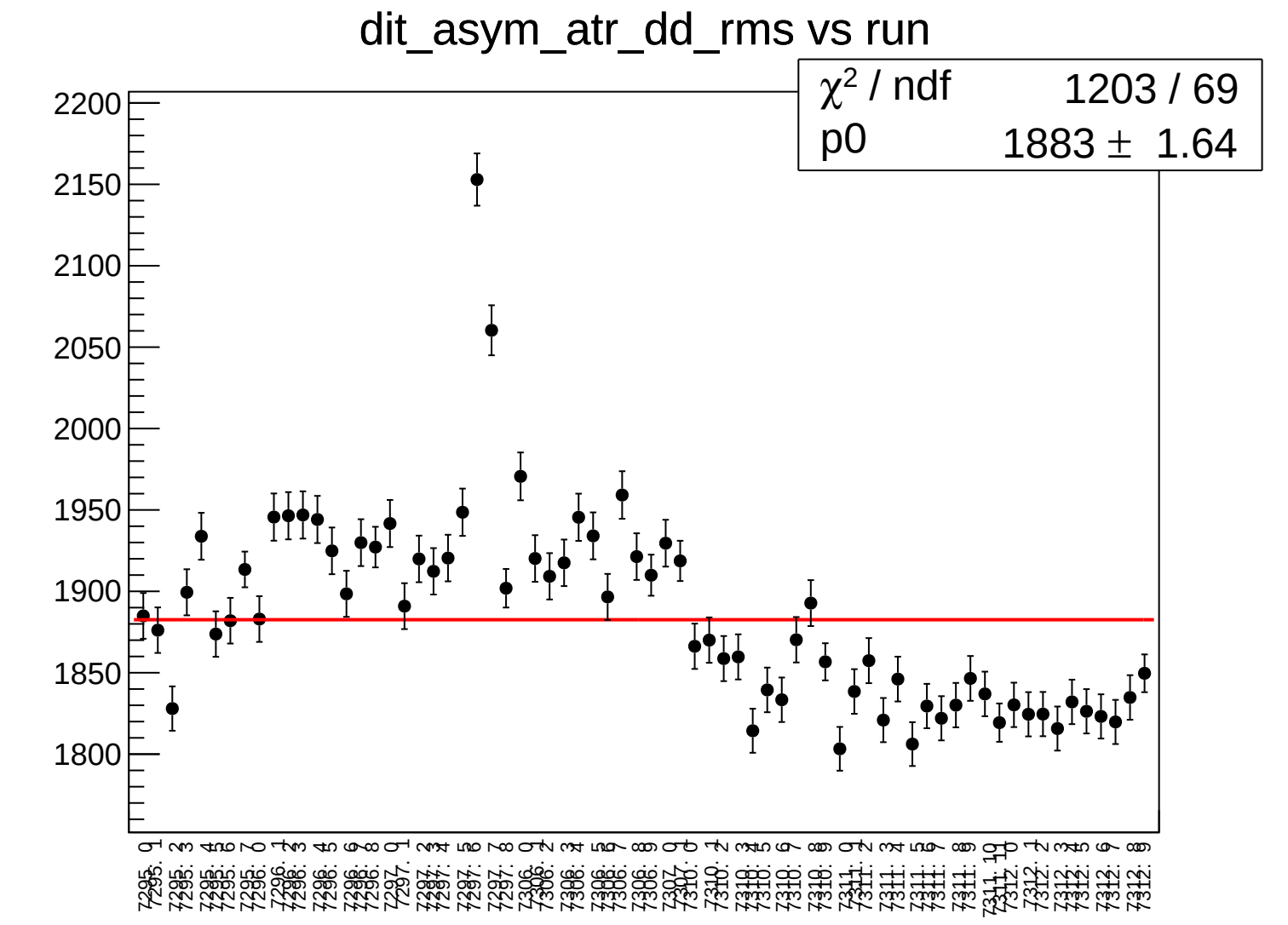

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.83 / 69
p0 352.8 ± 6125
pull
Entries 70
Mean −3173
Std Dev 0

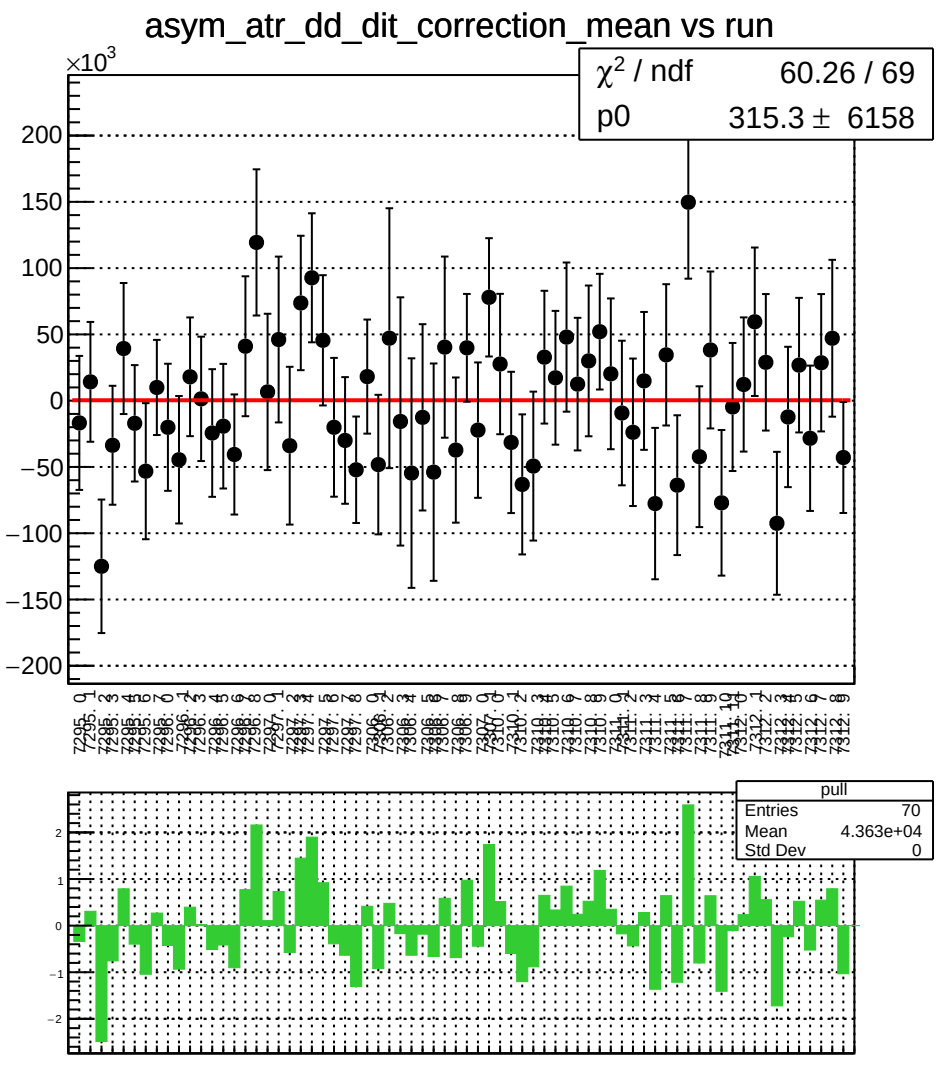

pull1D
Entries 70
Mean −0.0004379
Std Dev 0.9167

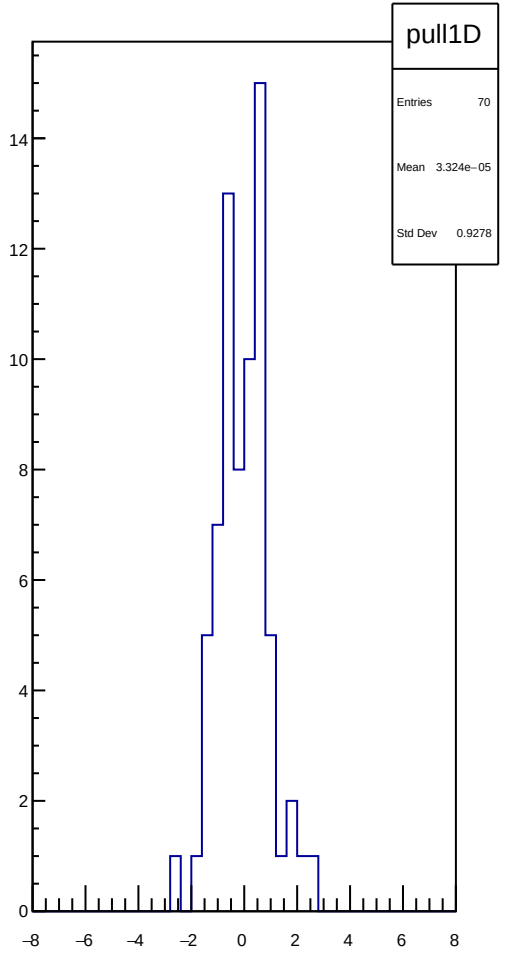

asym_atr_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 2.556e+04 / 69
p0 4925 ± 4.331
9000
8000
7000
6000
5000
4000

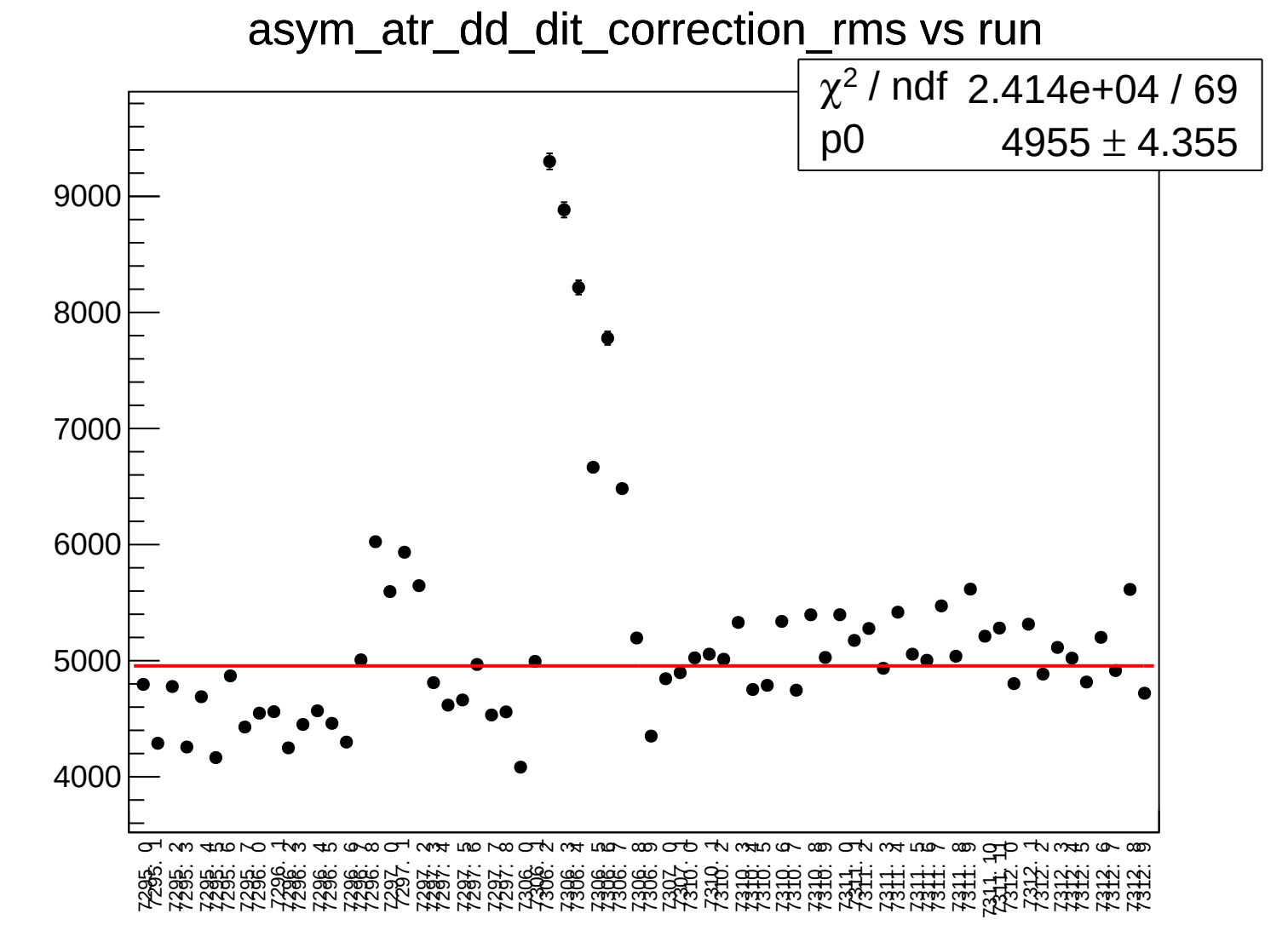

dit_asym_atr_dd_mean vs run
χ² / ndf 80.29 / 69
p0 2394 ± 2319
pull
Entries 70
Mean 157.5
Std Dev 0

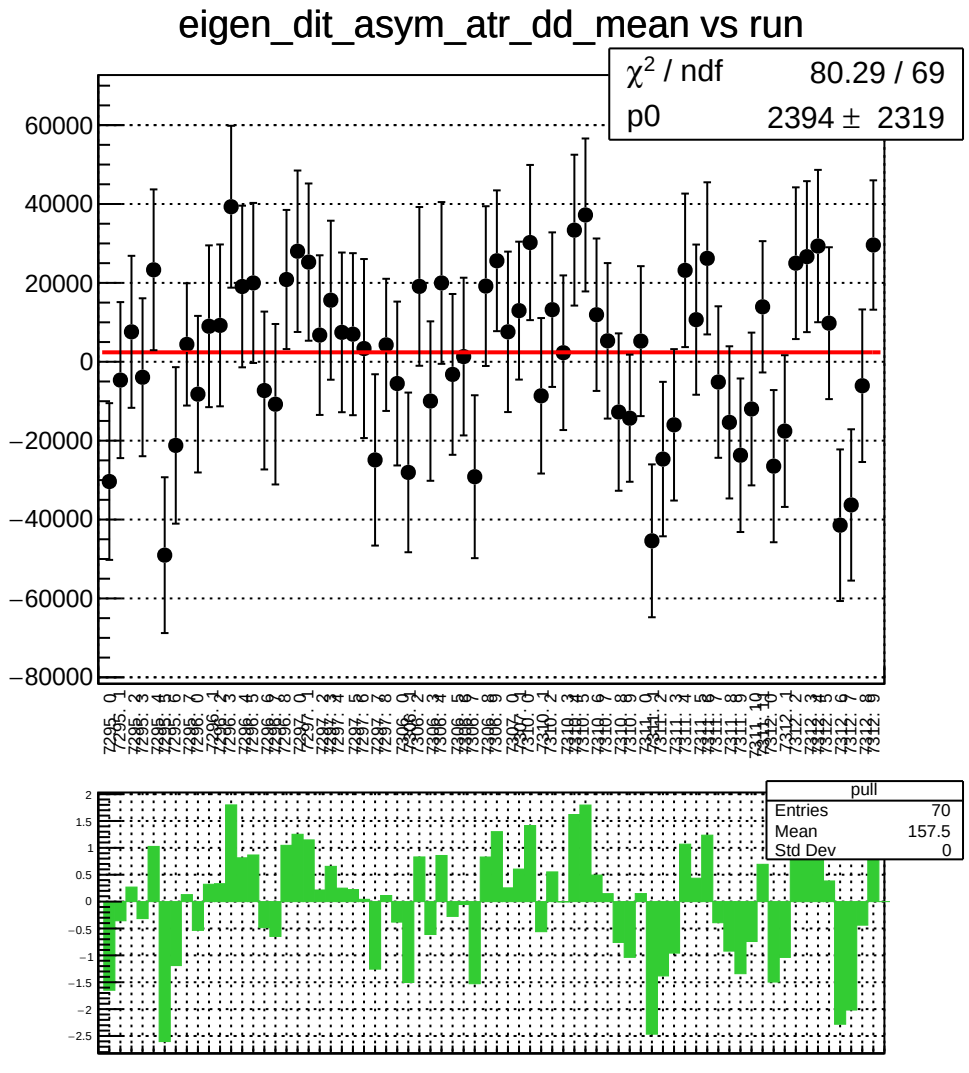

pull1D
Entries 70
Mean −0.007804
Std Dev 1.071

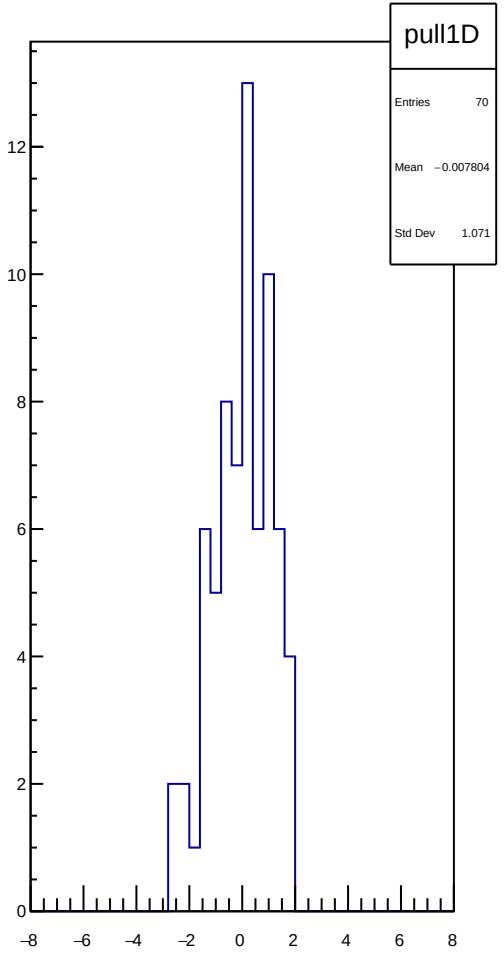

dit_asym_atr_dd_rms vs run
χ² / ndf 1203 / 69
p0 1883 ± 1.64
2200
2150
2100
2050
2000
1950
1900
1850
1800

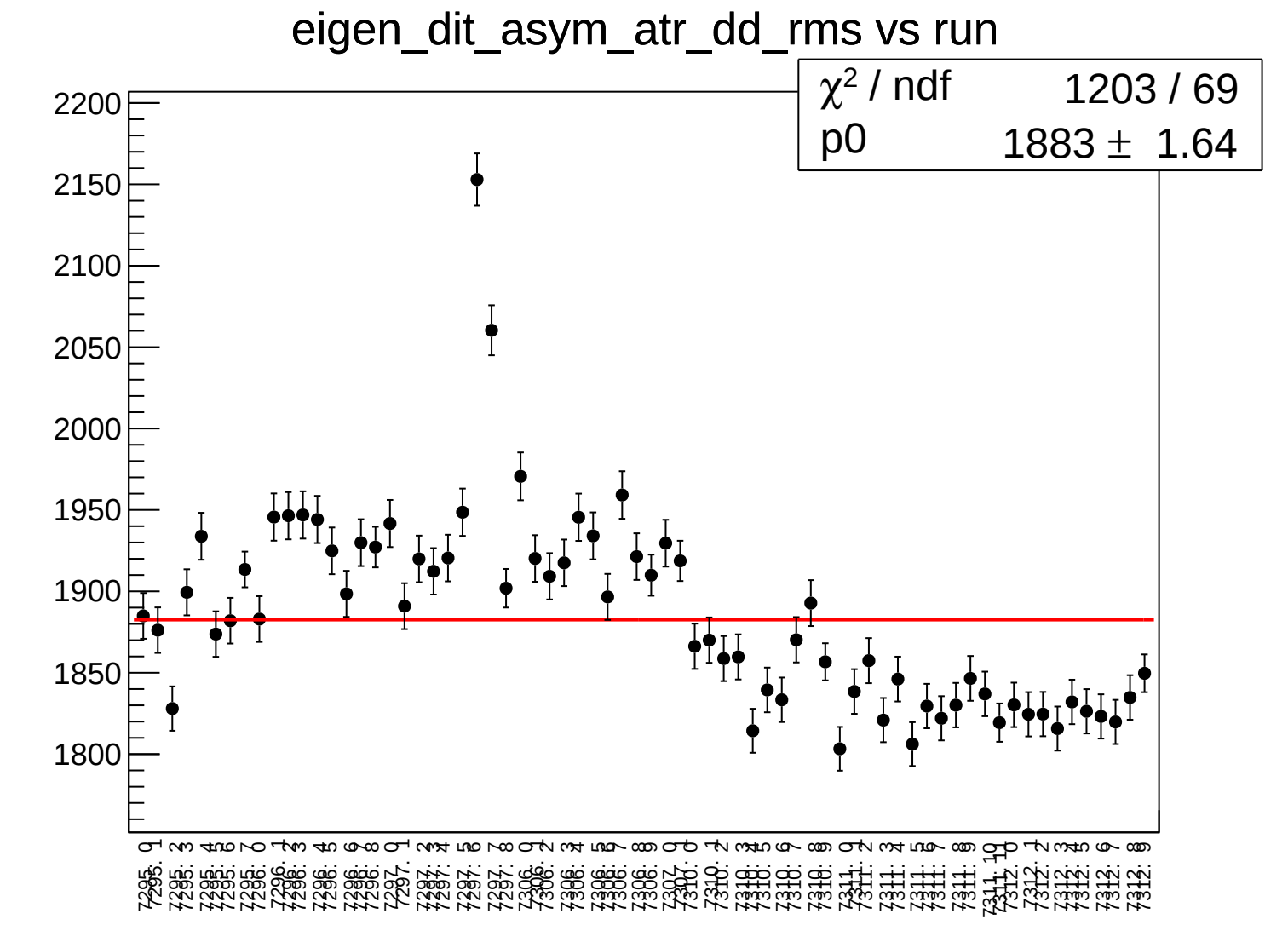

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.26 / 69
p0 315.3 ± 6158
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 70
Mean 4.363e+04
Std Dev 0

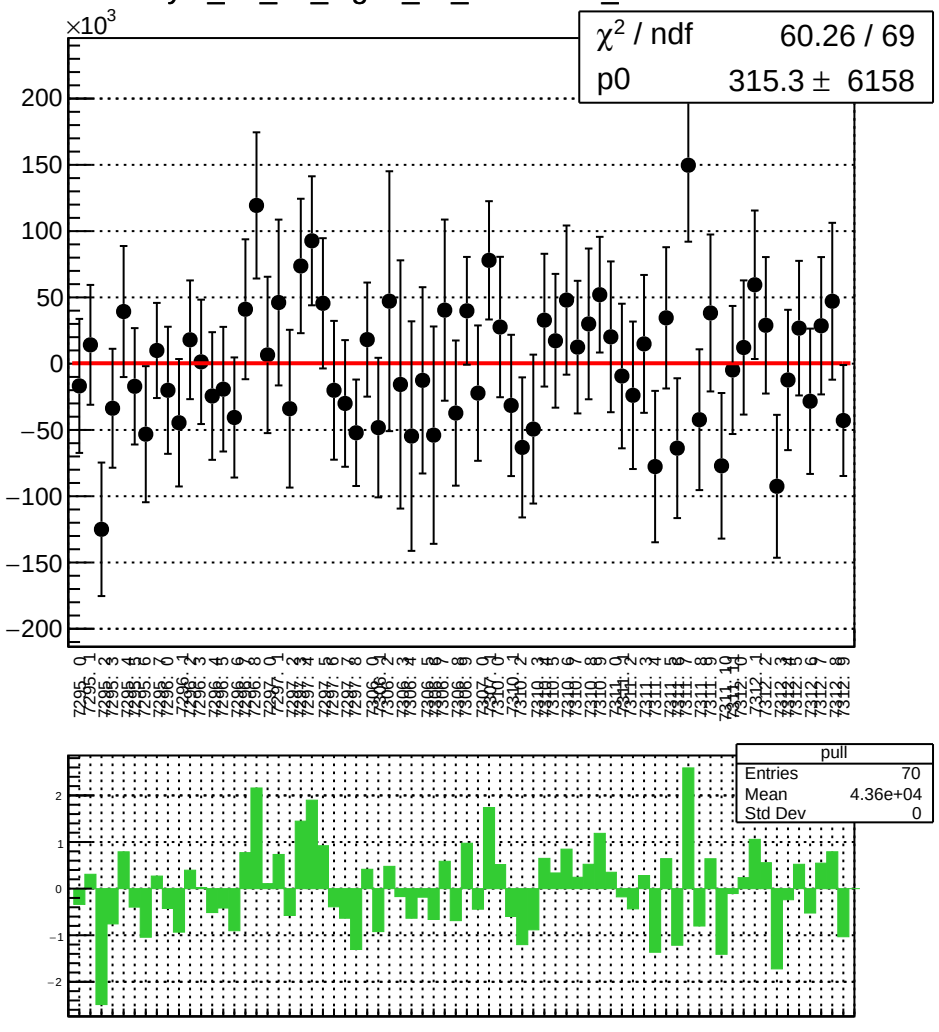

pull1D
Entries 70
Mean 3.324e−05
Std Dev 0.9278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

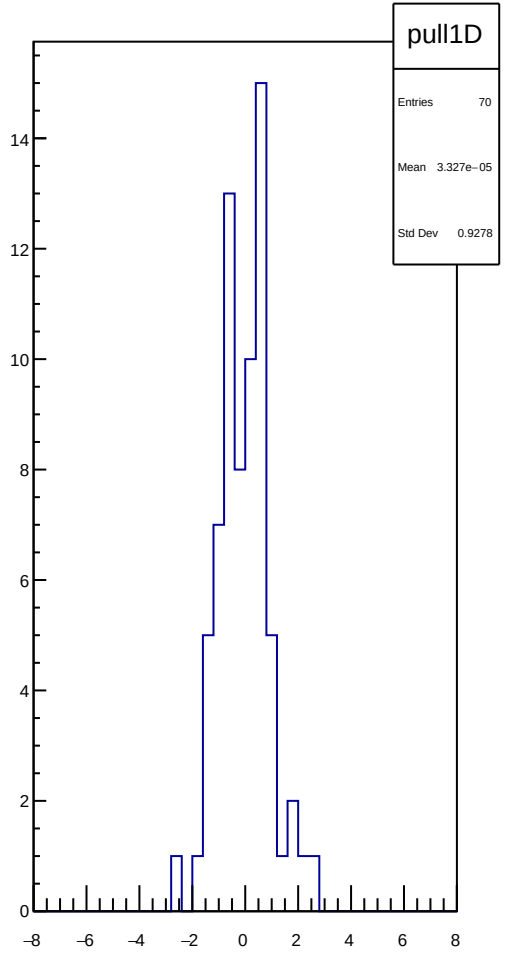

asym_atr_dd_dit_correction_rms vs run
χ^2 / ndf 2.414e+04 / 69
p0 4955 ± 4.355
9000
8000
7000
6000
5000
4000

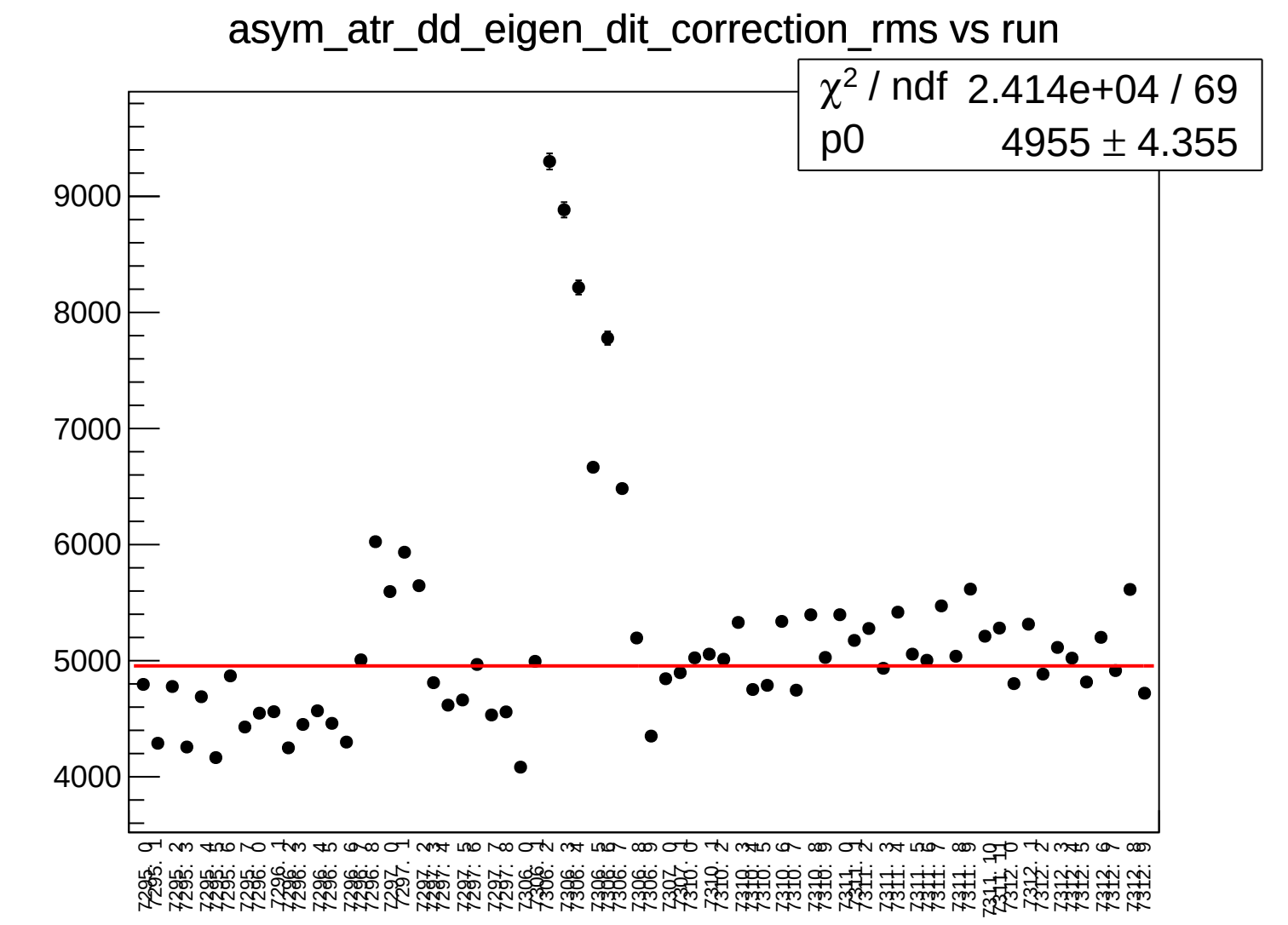

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 80.29 / 69
p0 2394 ± 2319
pull
Entries 70
Mean 157.5
Std Dev 0

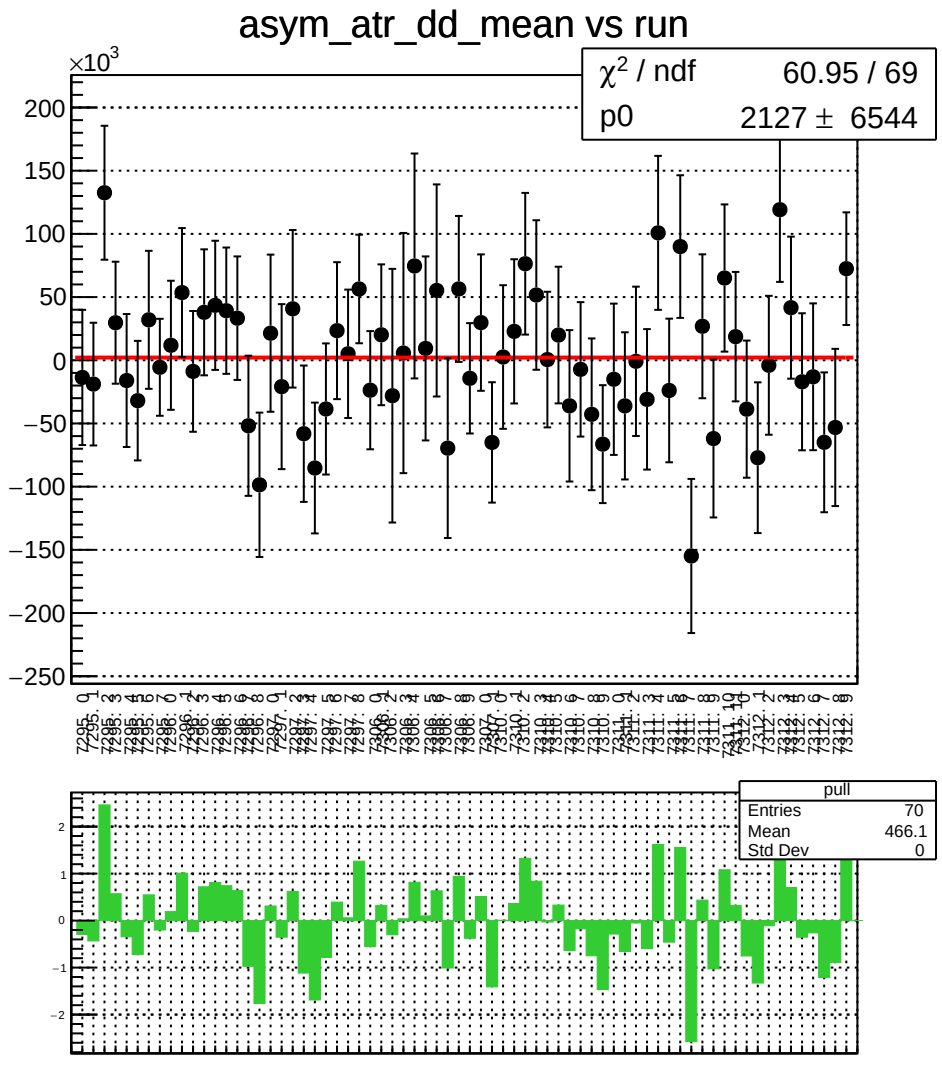

pull1D
Entries 70
Mean −0.007804
Std Dev 1.071

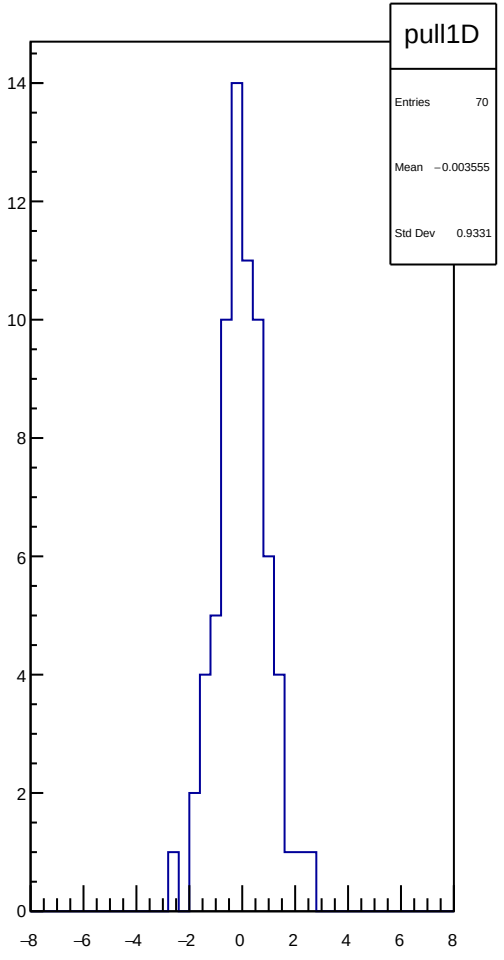

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 1203 / 69
p0 1883 ± 1.64
2200
2150
2100
2050
2000
1950
1900
1850
1800

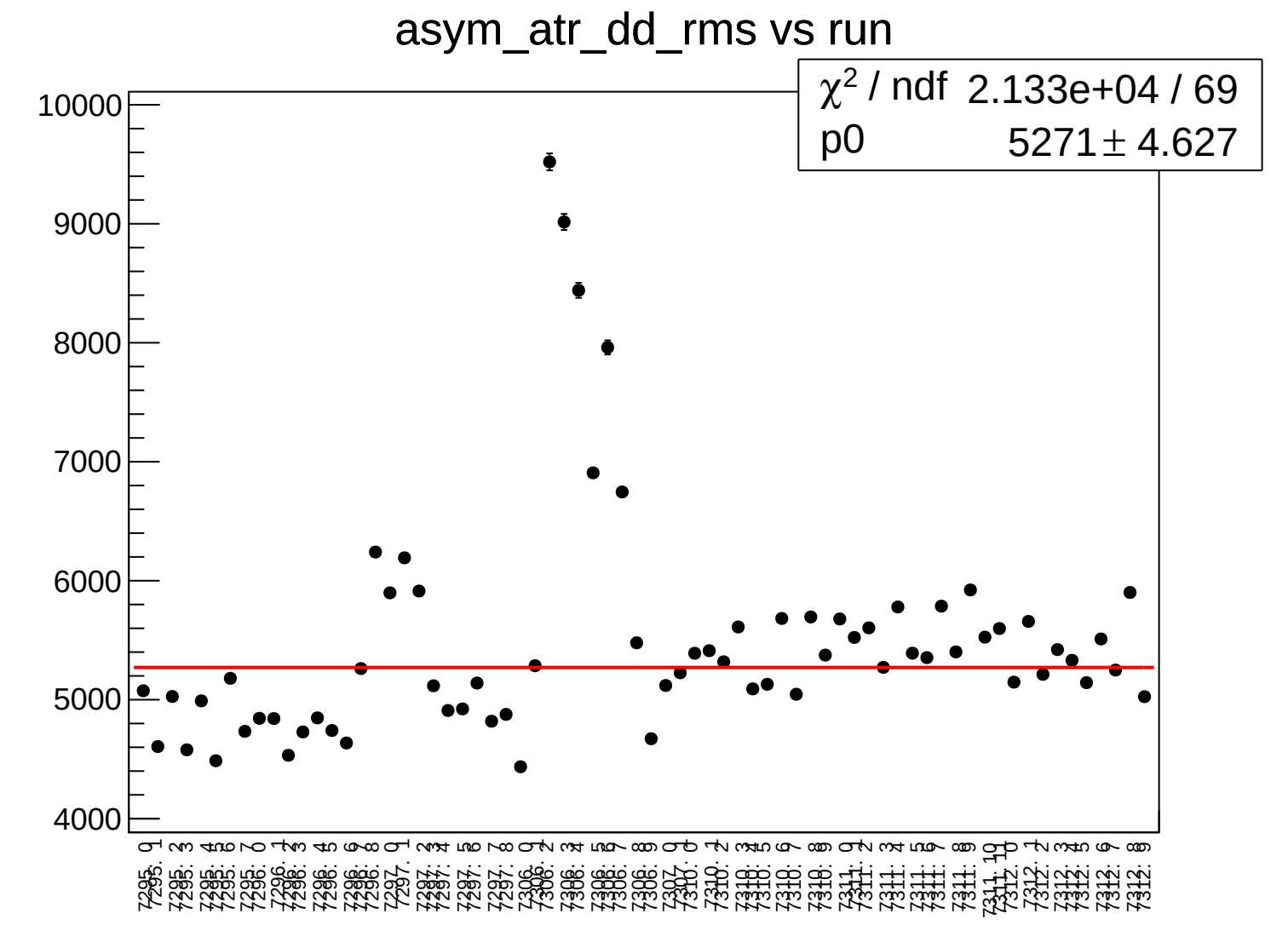

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.26 / 69
p0 315.3 ± 6158
pull
Entries 70
Mean 4.36e+04
Std Dev 0

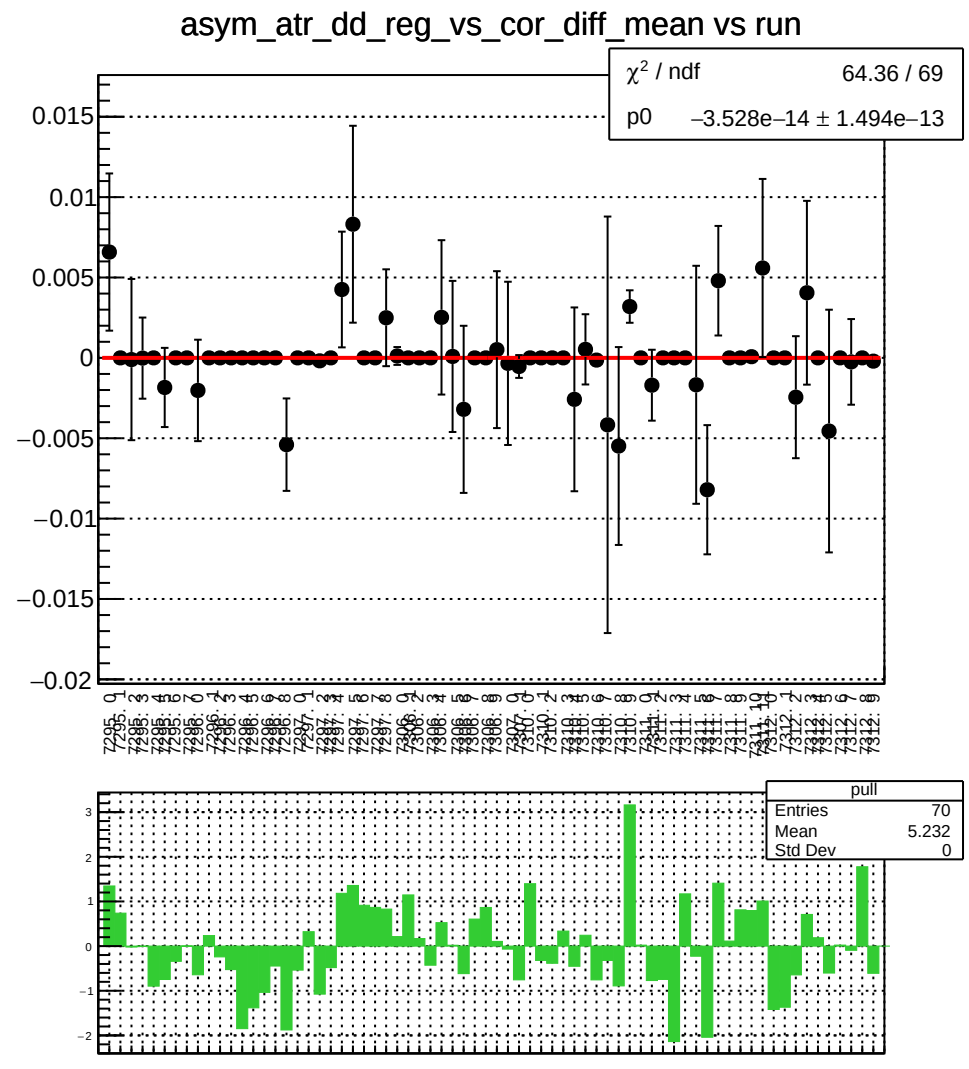

pull1D
Entries 70
Mean 3.327e−05
Std Dev 0.9278

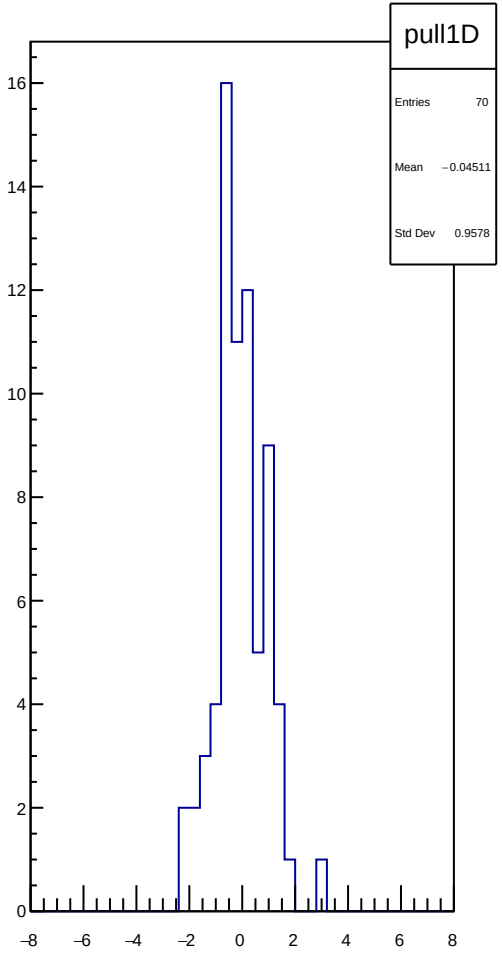

asym_atr_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 2.414e+04 / 69
p0 4955 ± 4.355
9000
8000
7000
6000
5000
4000

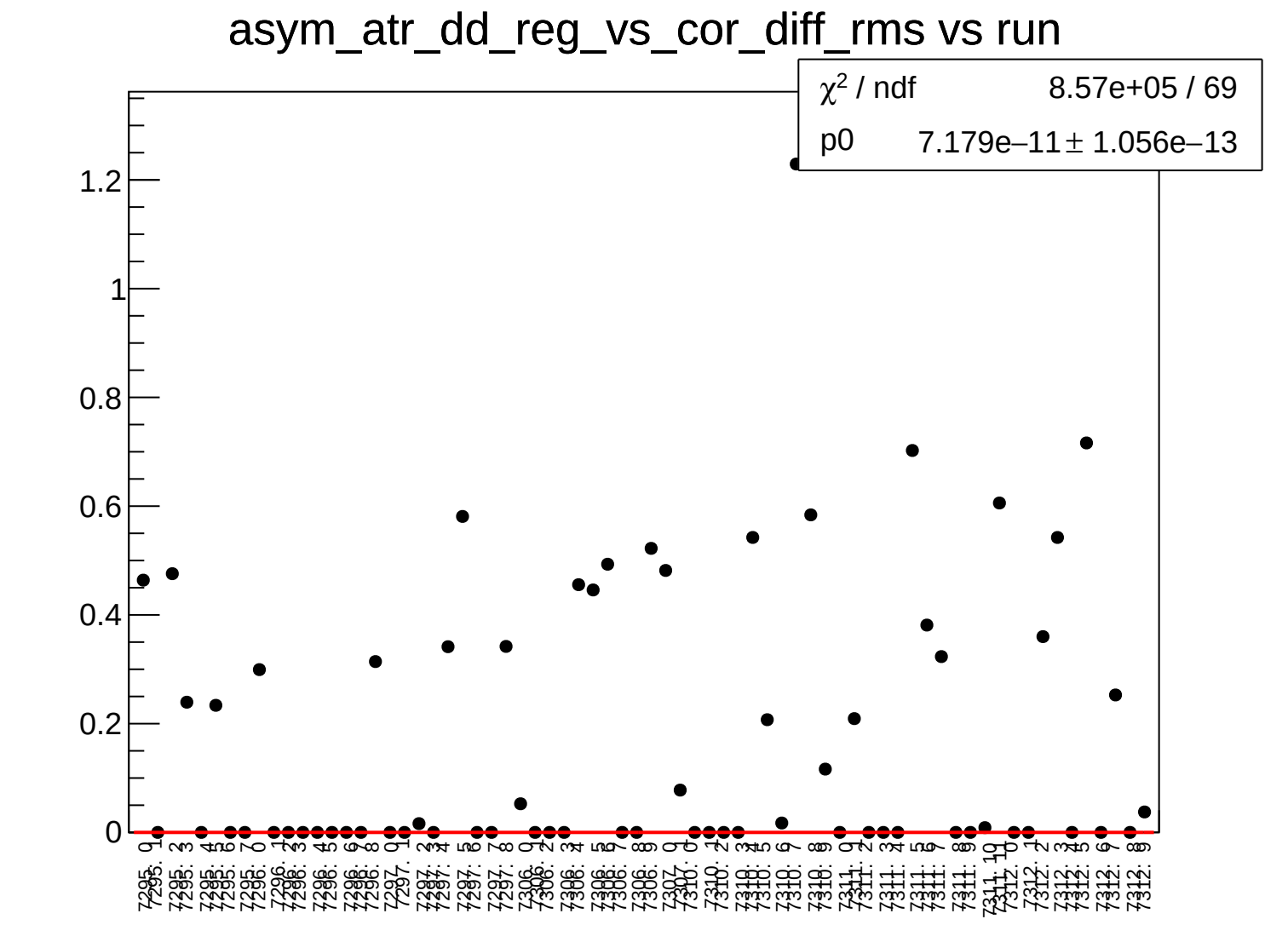

asym_atr_dd_mean vs run
×10^3
χ² / ndf 60.95 / 69
p0 2127 ± 6544
pull
Entries 70
Mean 466.1
Std Dev 0

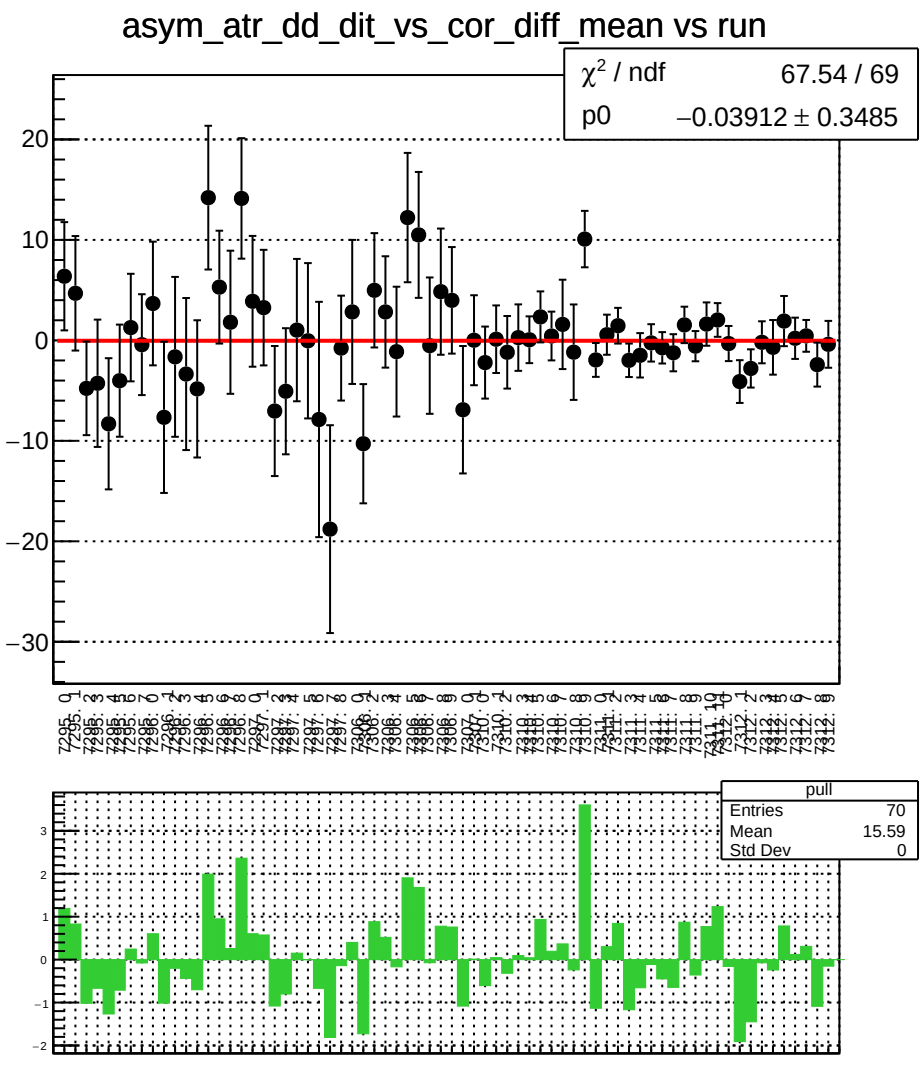

pull1D
Entries 70
Mean −0.003555
Std Dev 0.9331

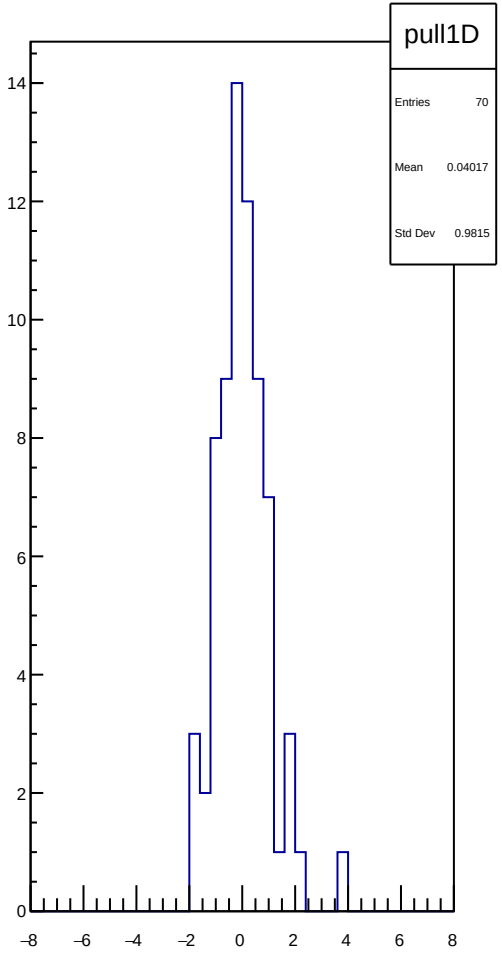

asym_atr_dd_rms vs run
χ^2 / ndf 2.133e+04 / 69
p0 5271 ± 4.627
10000
9000
8000
7000
6000
5000
4000

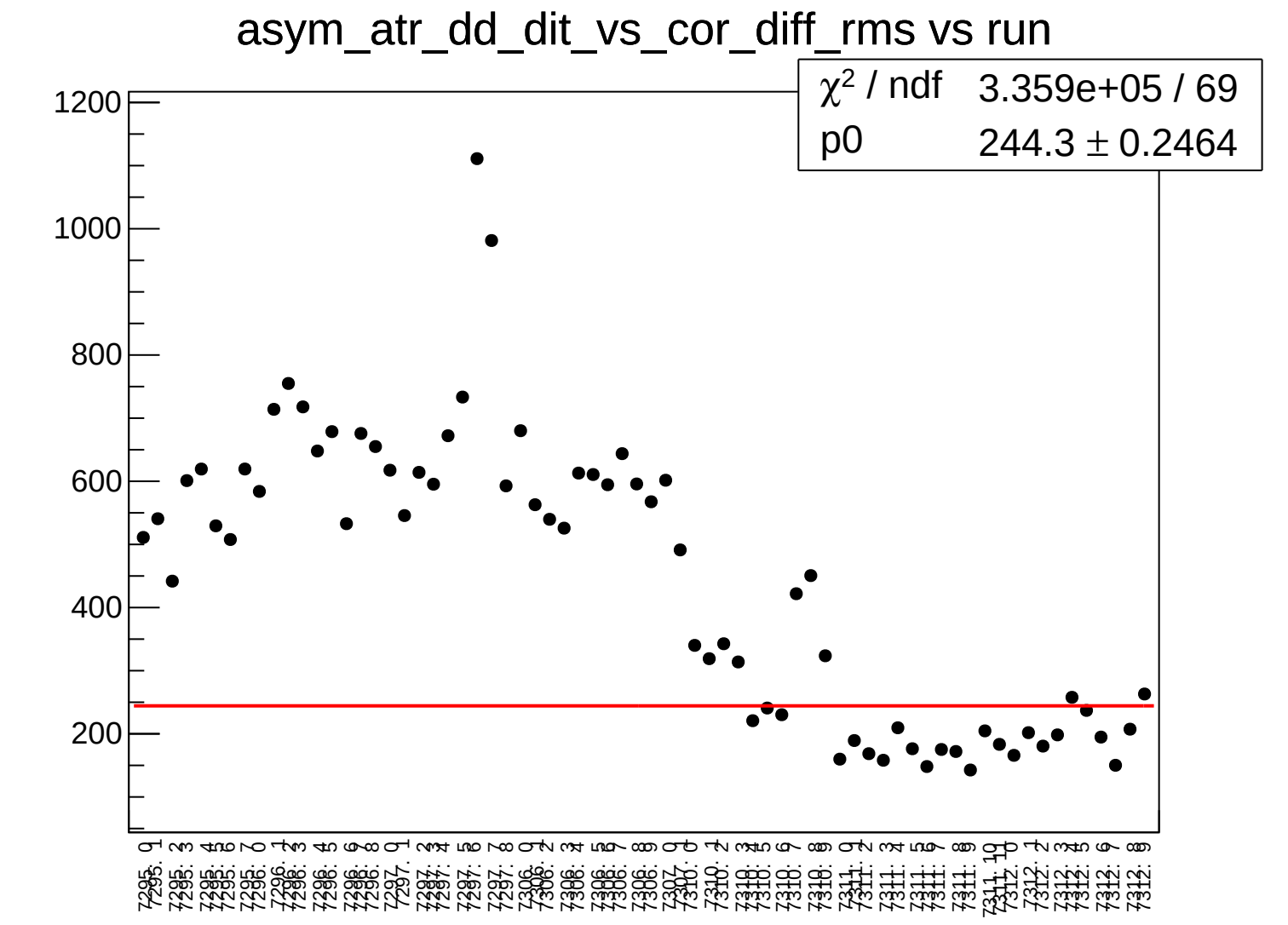

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.36 / 69
p0 −3.528e−14 ± 1.494e−13
pull
Entries 70
Mean 5.232
Std Dev 0

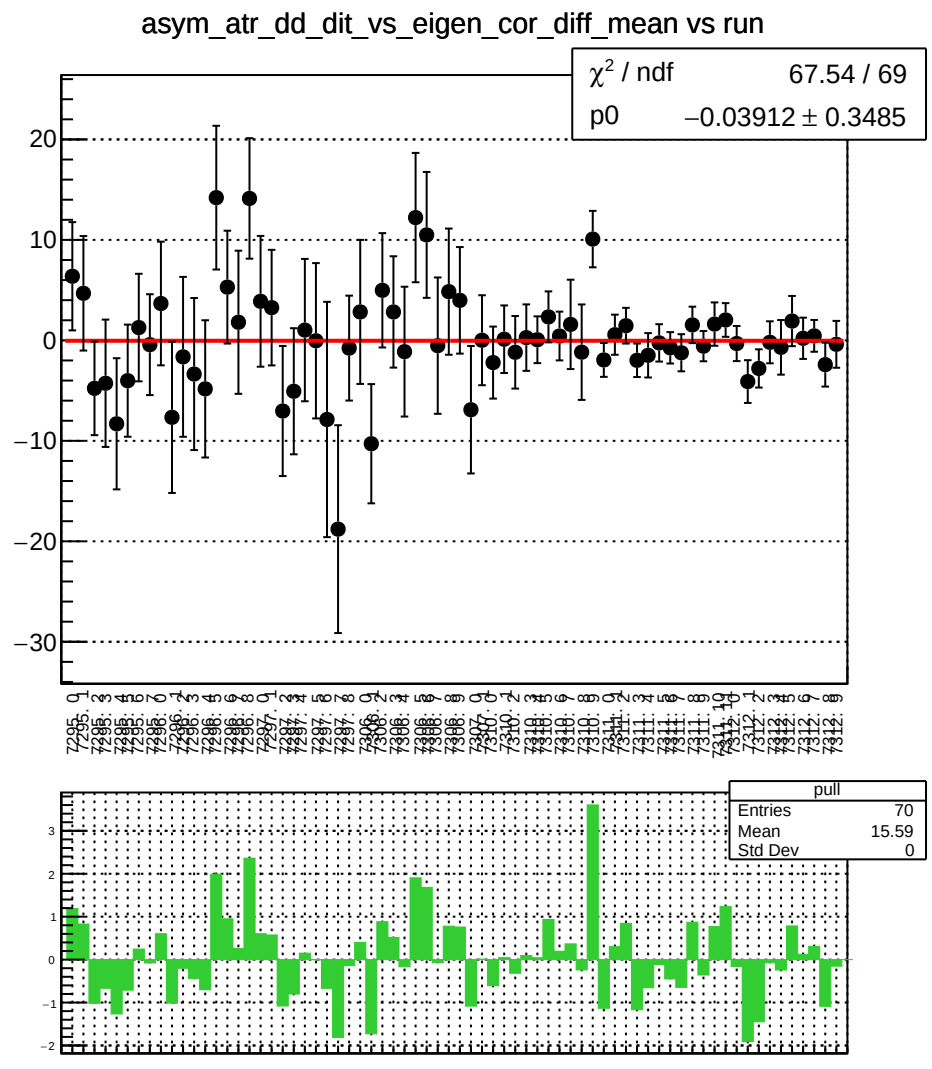

pull1D
Entries 70
Mean −0.04511
Std Dev 0.9578

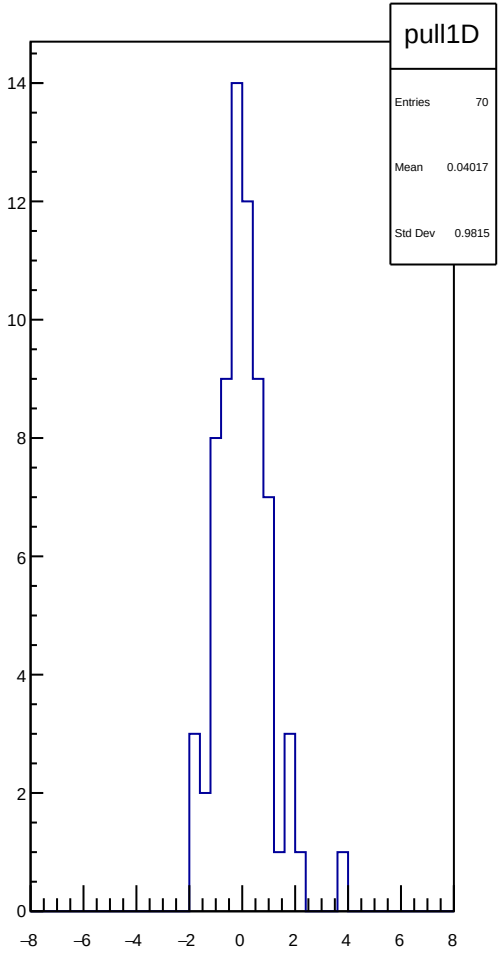

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.57e+05 / 69
p0 7.179e−11 ± 1.056e−13
1.2
1
0.8
0.6
0.4
0.2
0

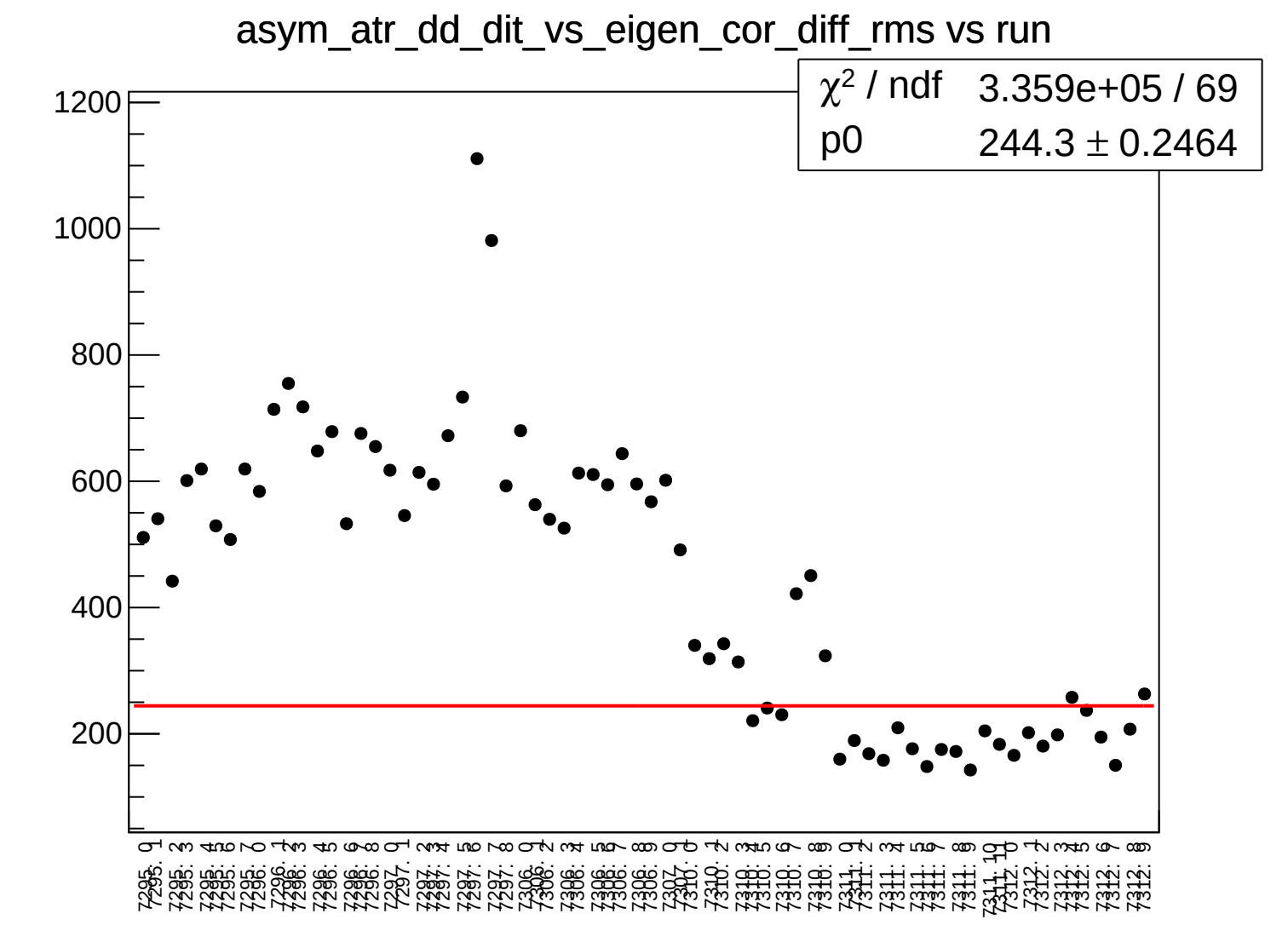

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.54 / 69
p0 −0.03912 ± 0.3485
pull
Entries 70
Mean 15.59
Std Dev 0

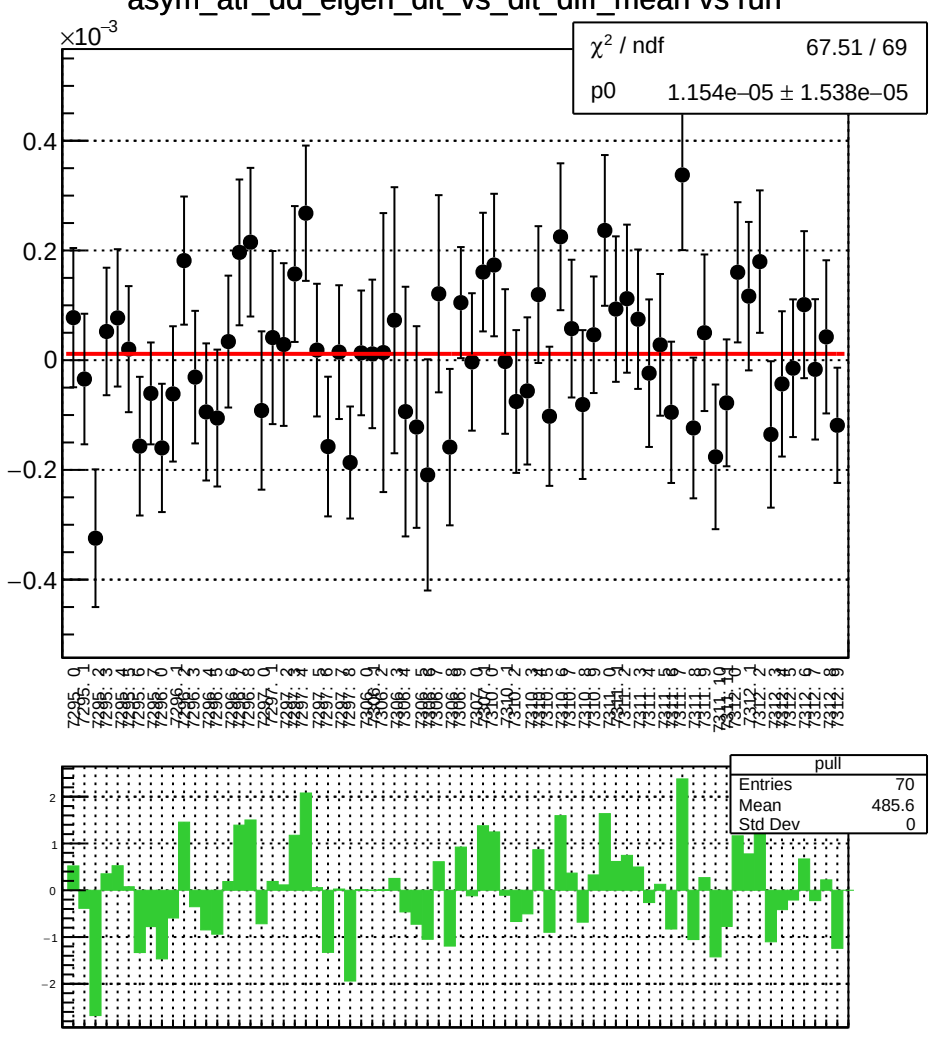

pull1D
Entries 70
Mean 0.04017
Std Dev 0.9815

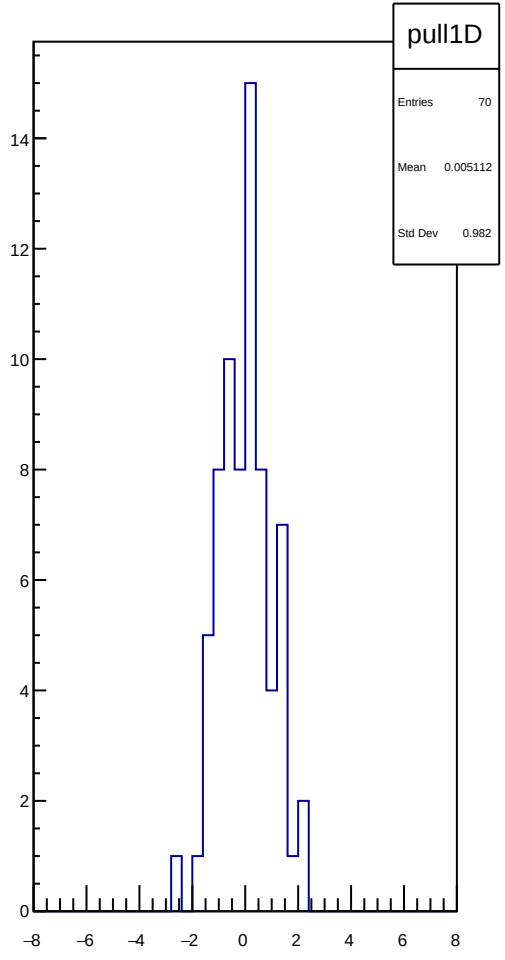

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.359e+05 / 69
p0 244.3 ± 0.2464
1200
1000
800
600
400
200

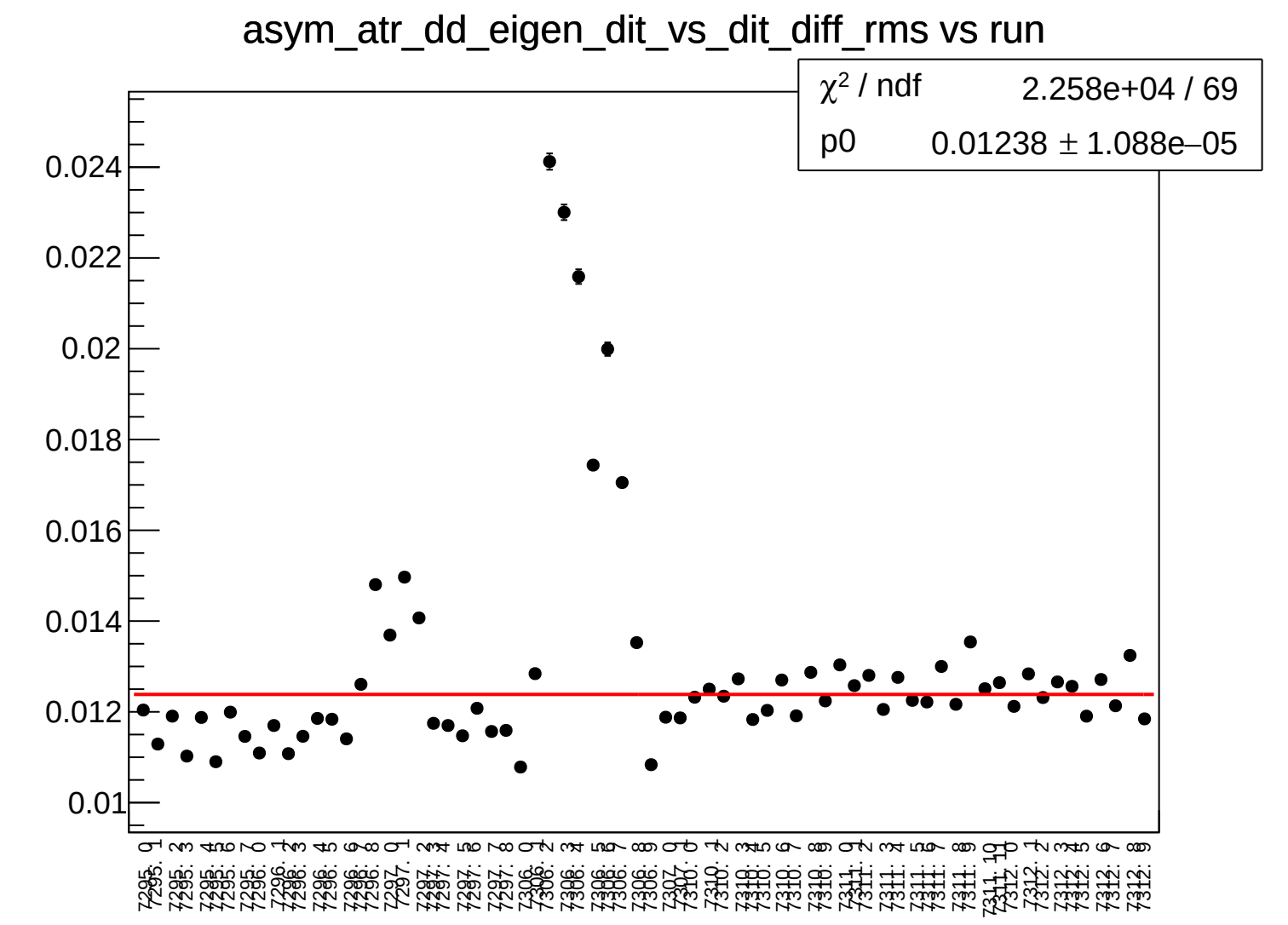

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.54 / 69
p0 −0.03912 ± 0.3485
pull
Entries 70
Mean 15.59
Std Dev 0

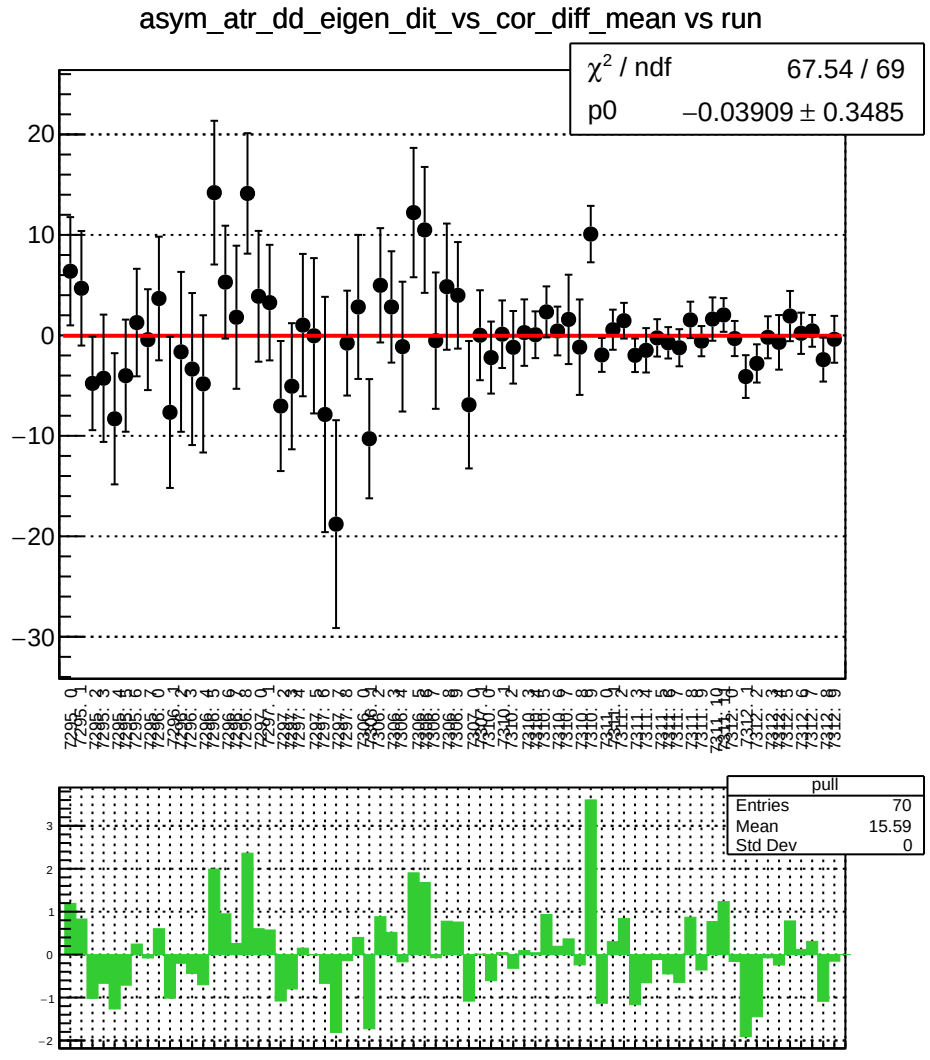

pull1D
Entries 70
Mean 0.04017
Std Dev 0.9815

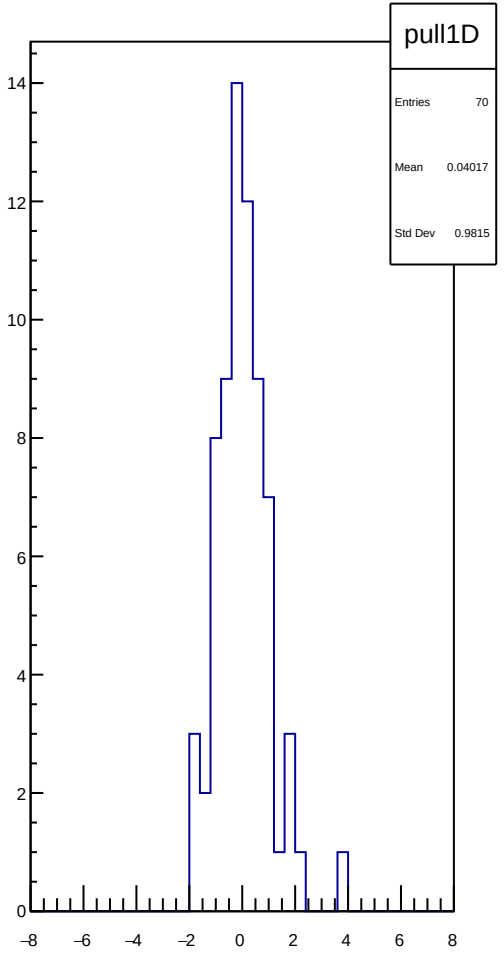

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.359e+05 / 69
p0 244.3 ± 0.2464
1200
1000
800
600
400
200

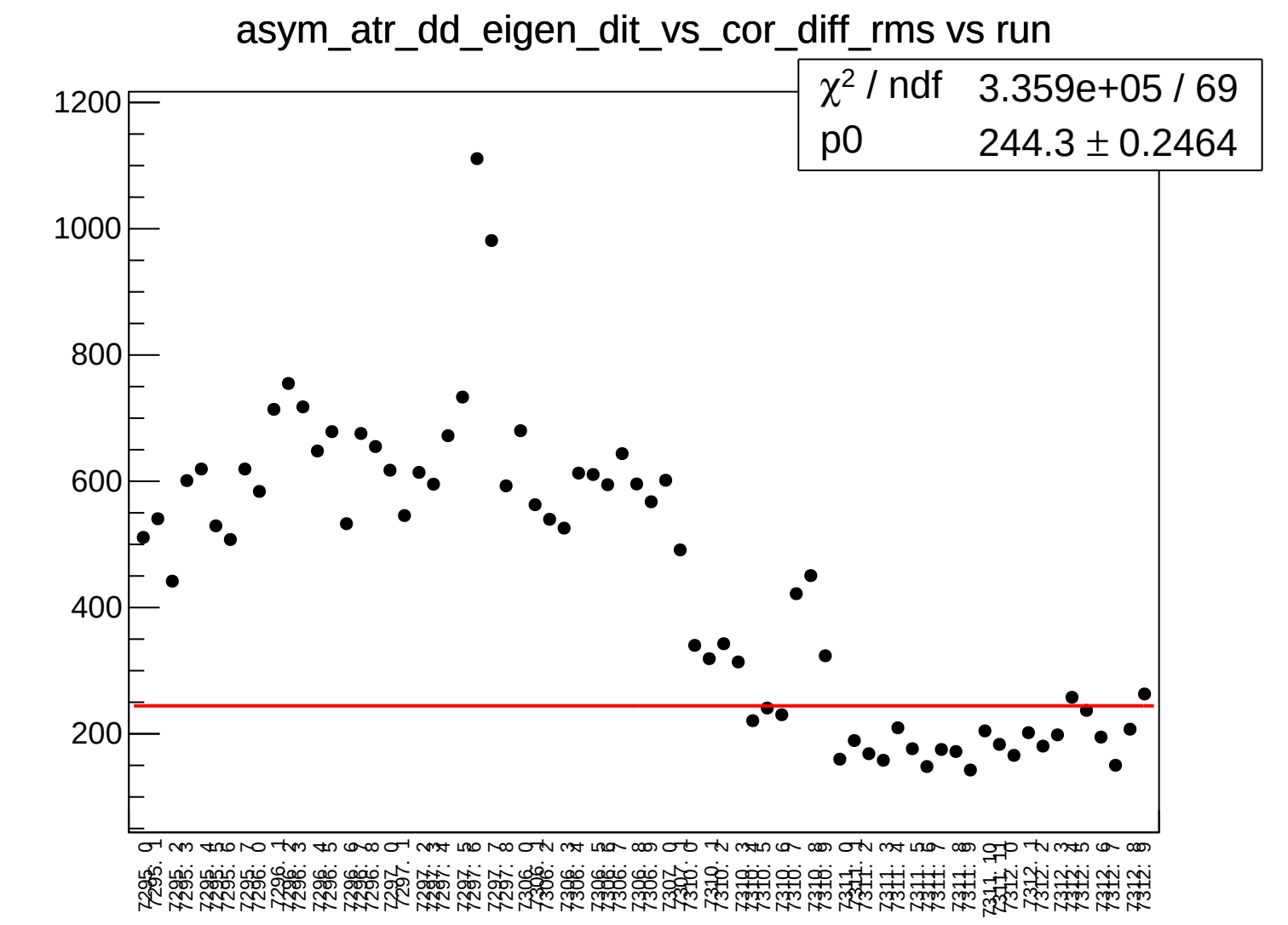

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.51 / 69
p0 1.154e−05 ± 1.538e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 485.6
Std Dev 0
2
1
0
−1
−2

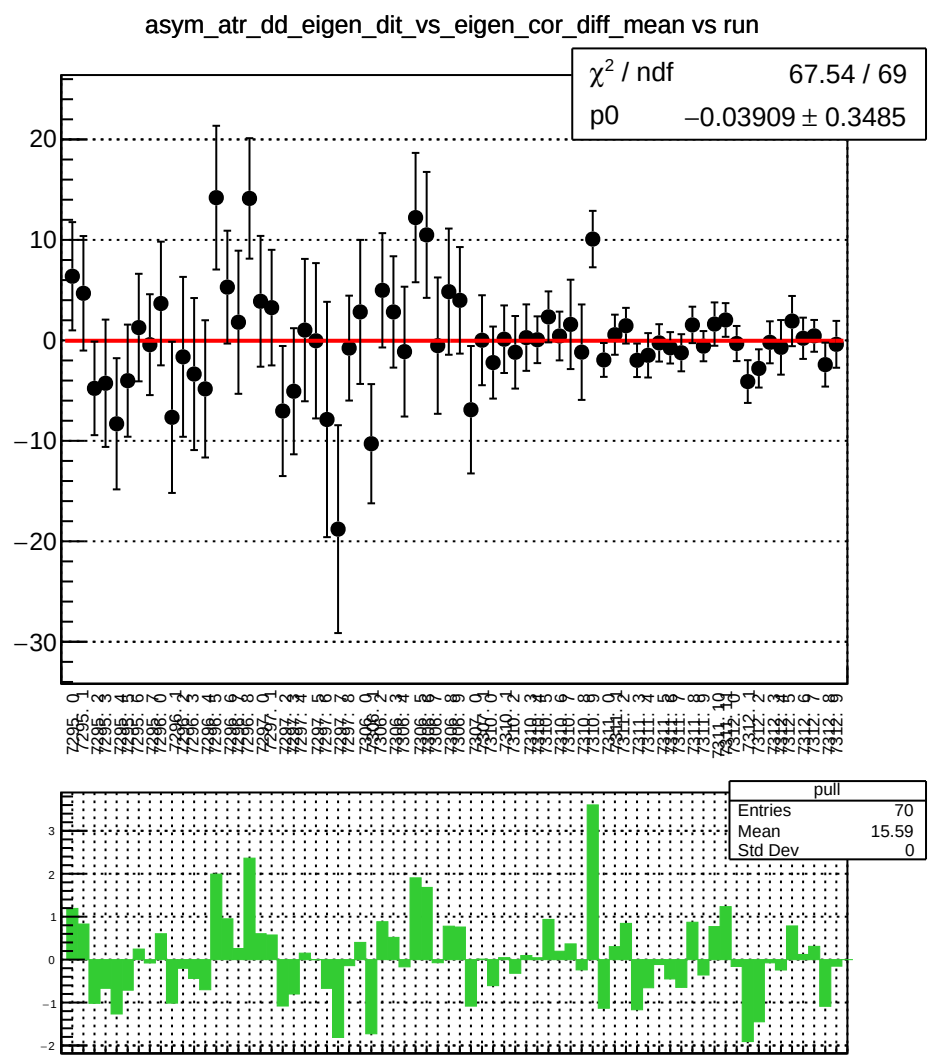

pull1D
Entries 70
Mean 0.005112
Std Dev 0.982
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

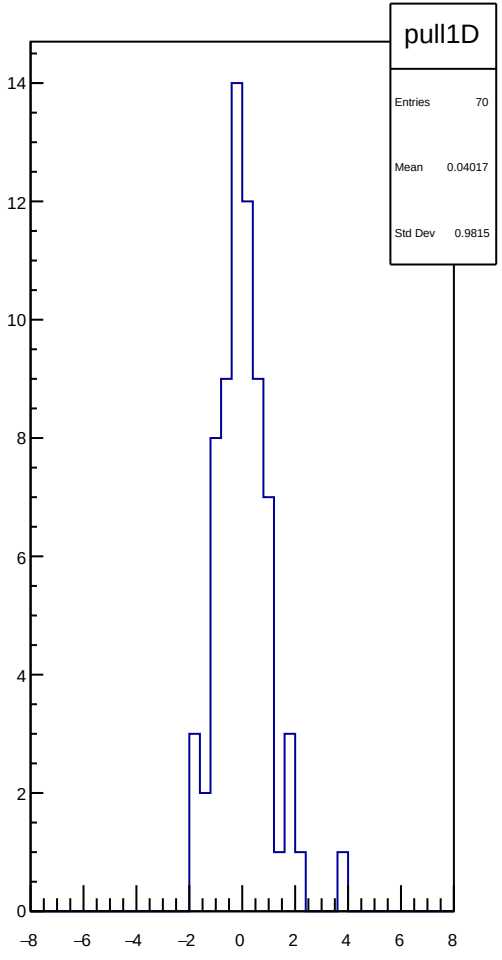

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.258e+04 / 69
p0 0.01238 ± 1.088e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

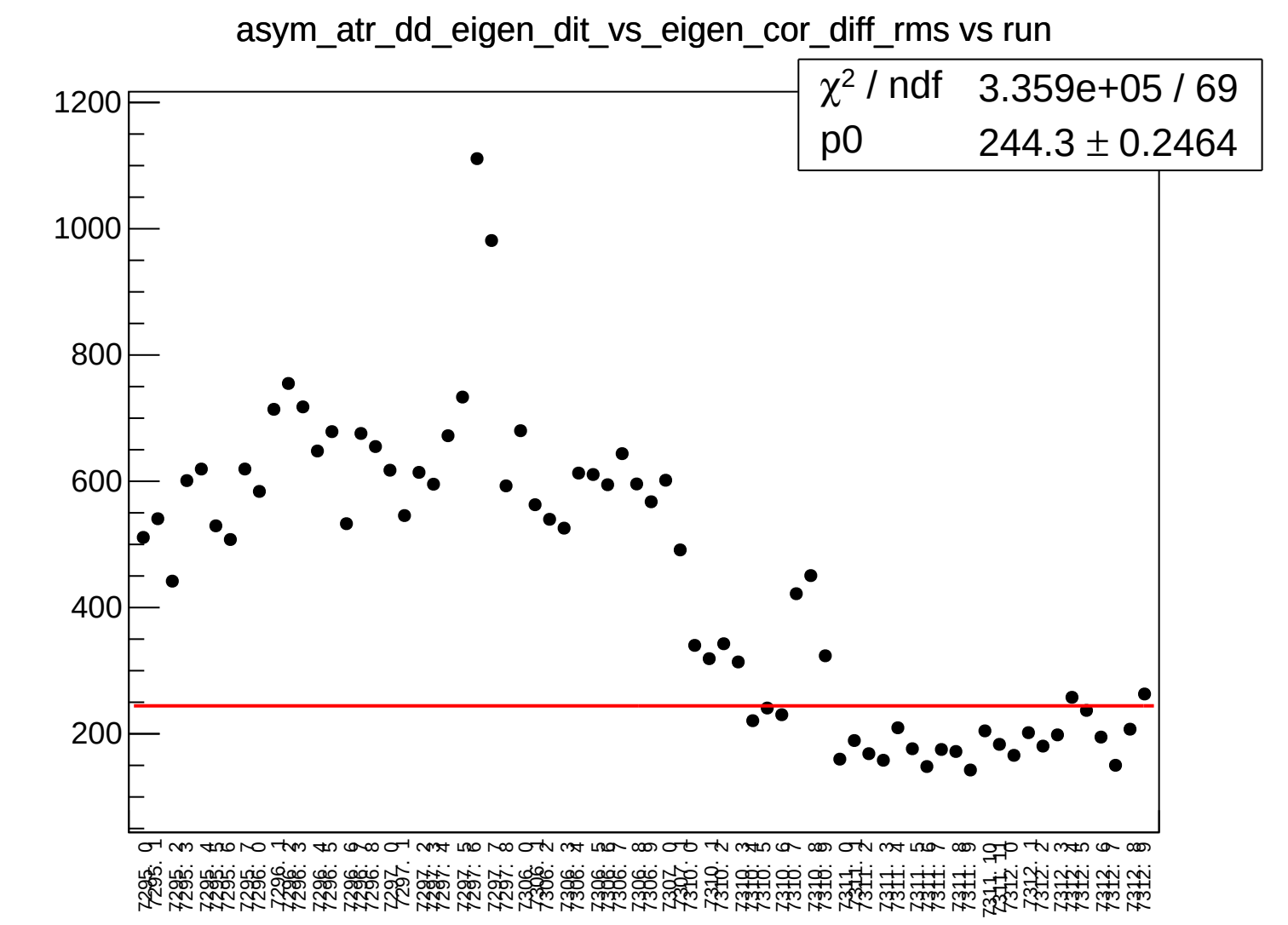

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.54 / 69
p0 −0.03909 ± 0.3485
pull
Entries 70
Mean 15.59
Std Dev 0

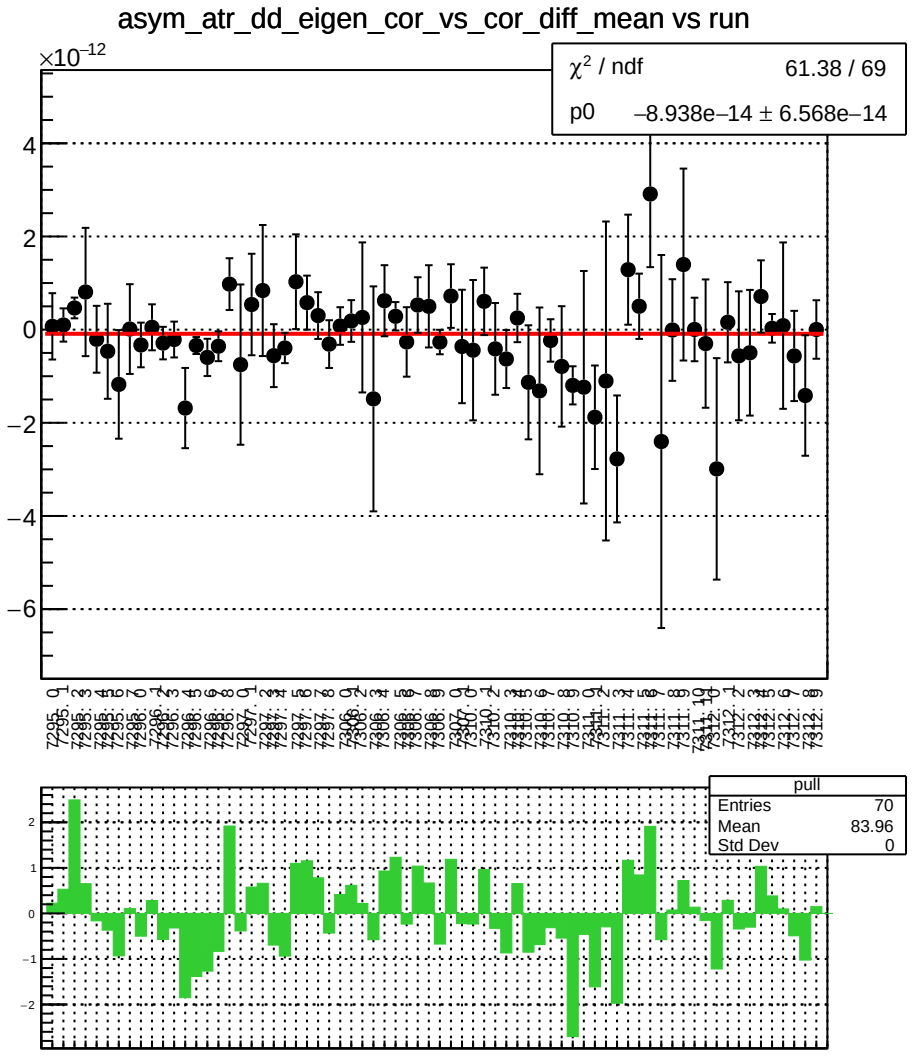

pull1D
Entries 70
Mean 0.04017
Std Dev 0.9815

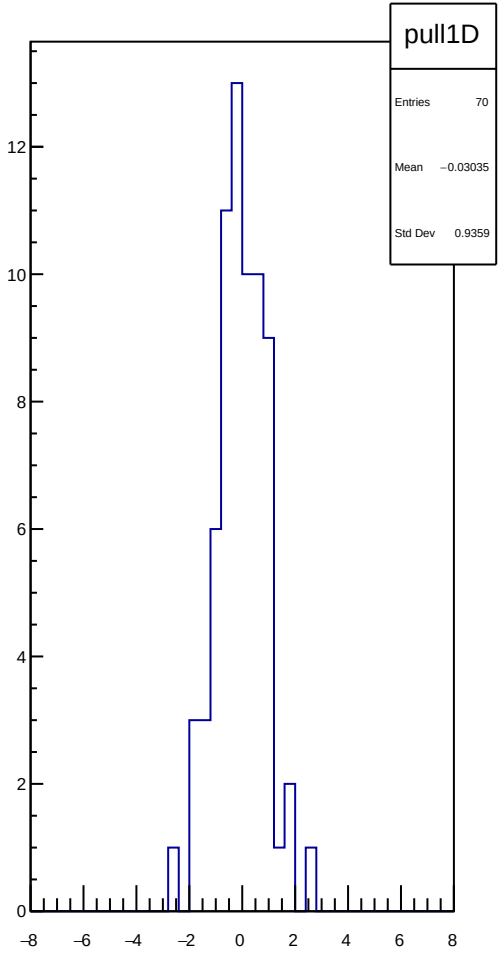

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.359e+05 / 69
p0 244.3 ± 0.2464
1200
1000
800
600
400
200

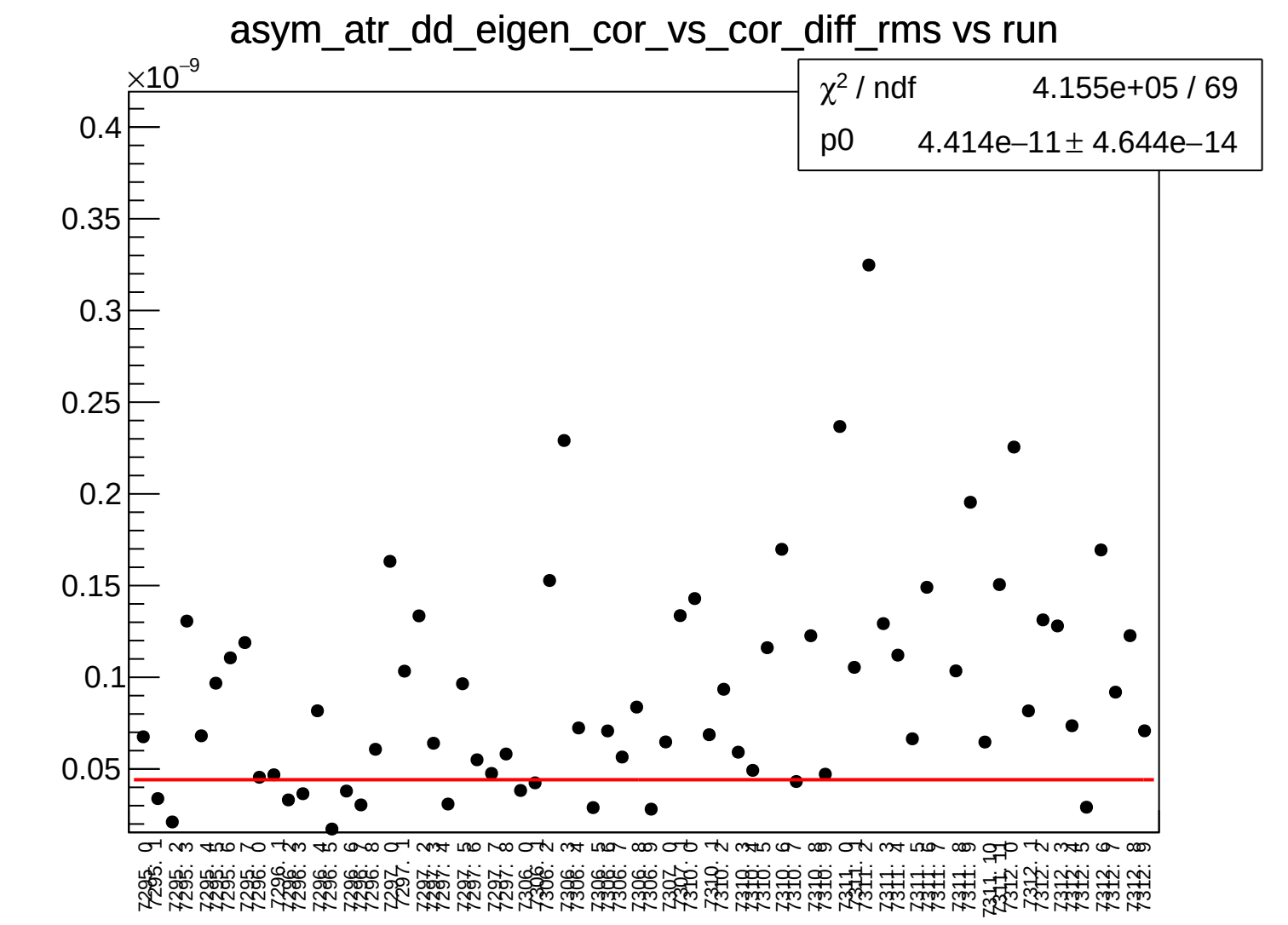

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.54 / 69
p0 −0.03909 ± 0.3485
pull
Entries 70
Mean 15.59
Std Dev 0

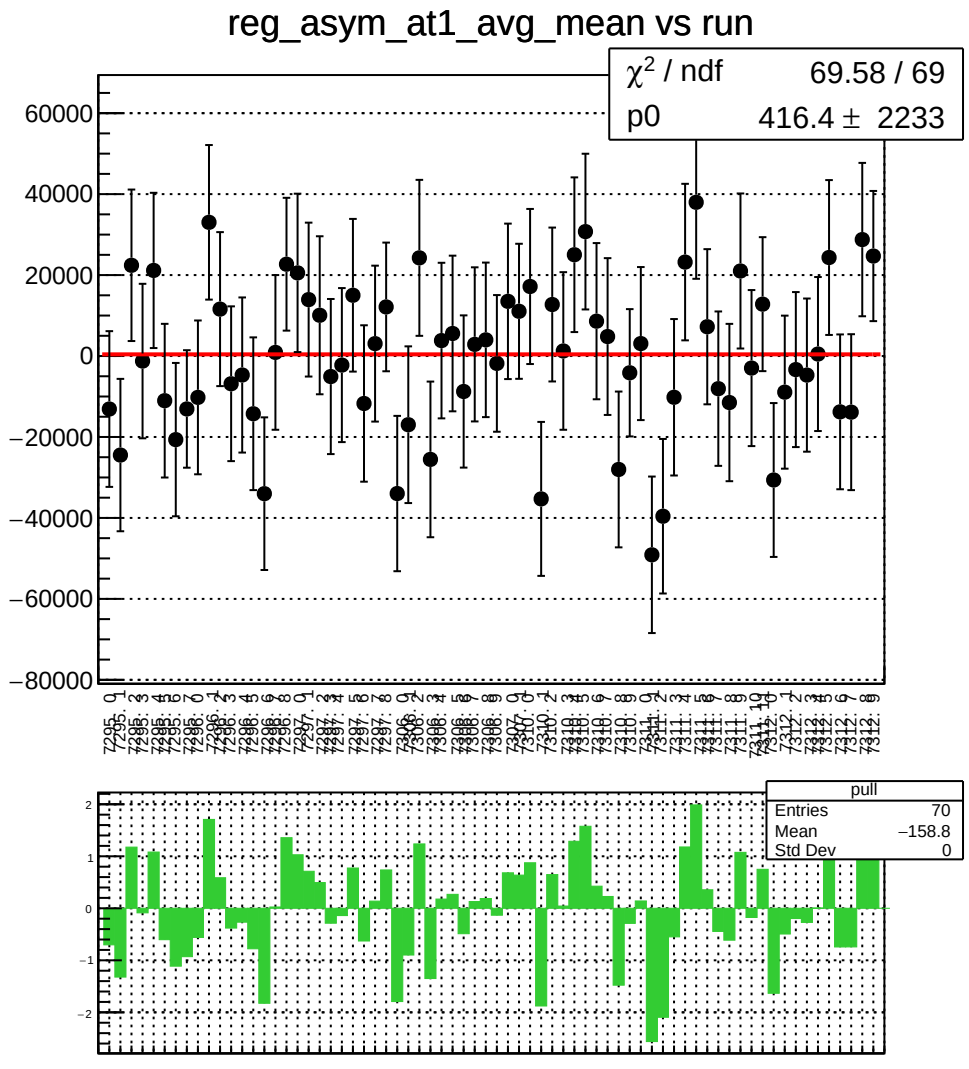

pull1D
Entries 70
Mean 0.04017
Std Dev 0.9815

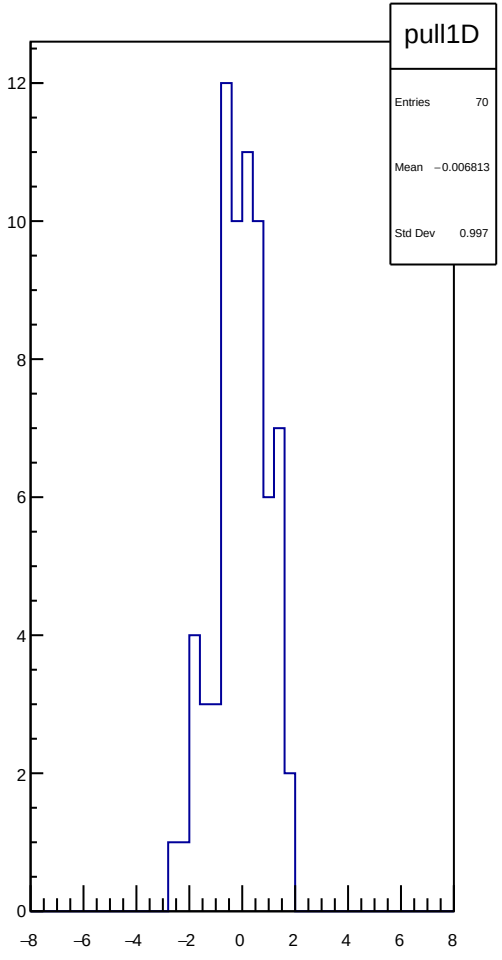

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.359e+05 / 69
p0 244.3 ± 0.2464
1200
1000
800
600
400
200

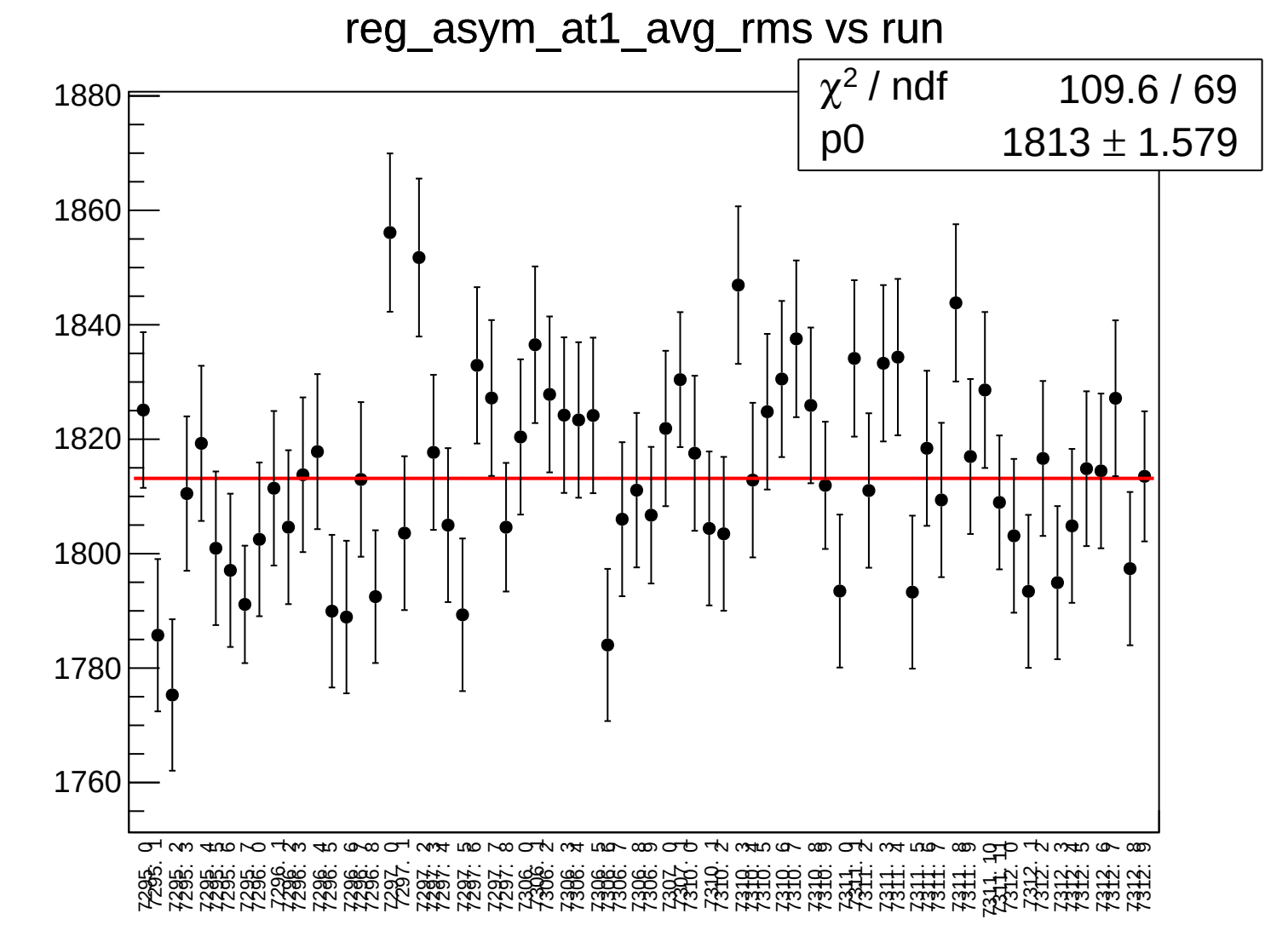

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.38 / 69
p0 −8.938e−14 ± 6.568e−14
pull
Entries 70
Mean 83.96
Std Dev 0

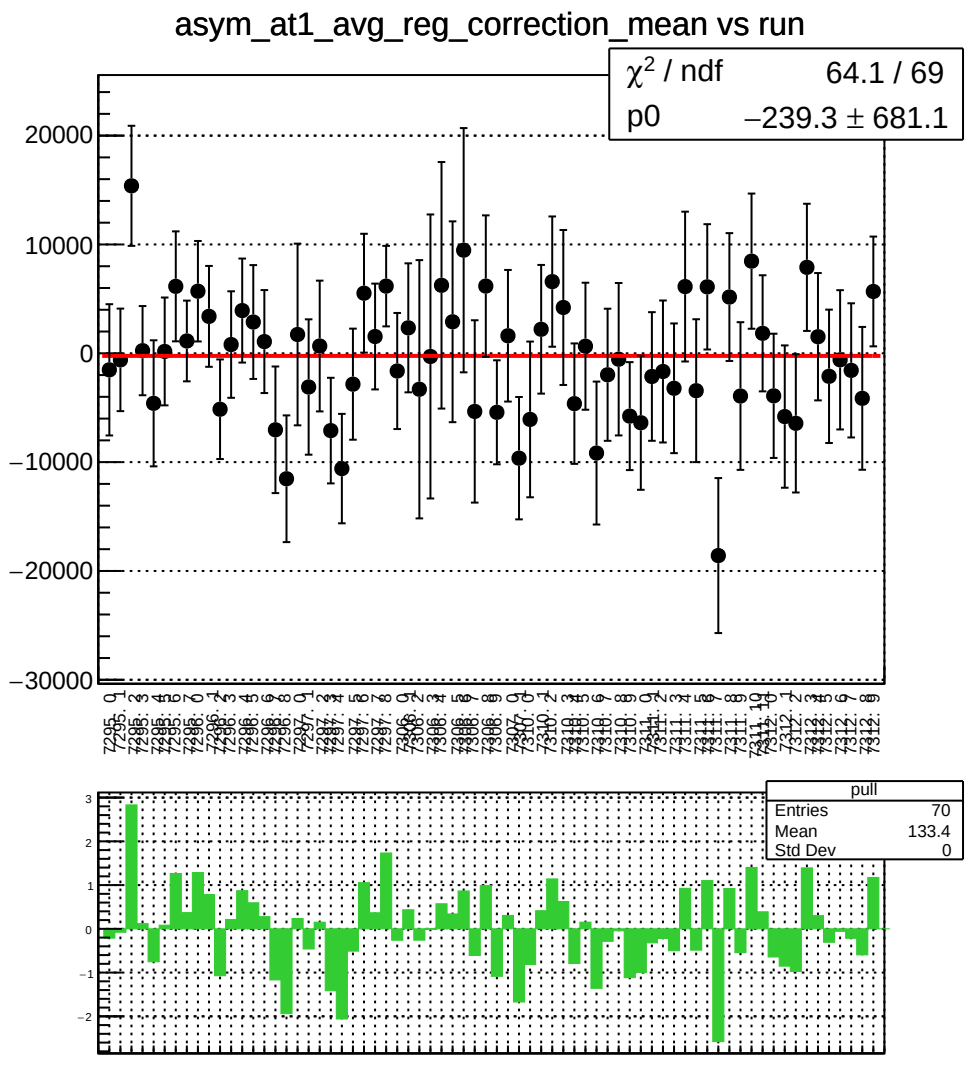

pull1D
Entries 70
Mean −0.03035
Std Dev 0.9359

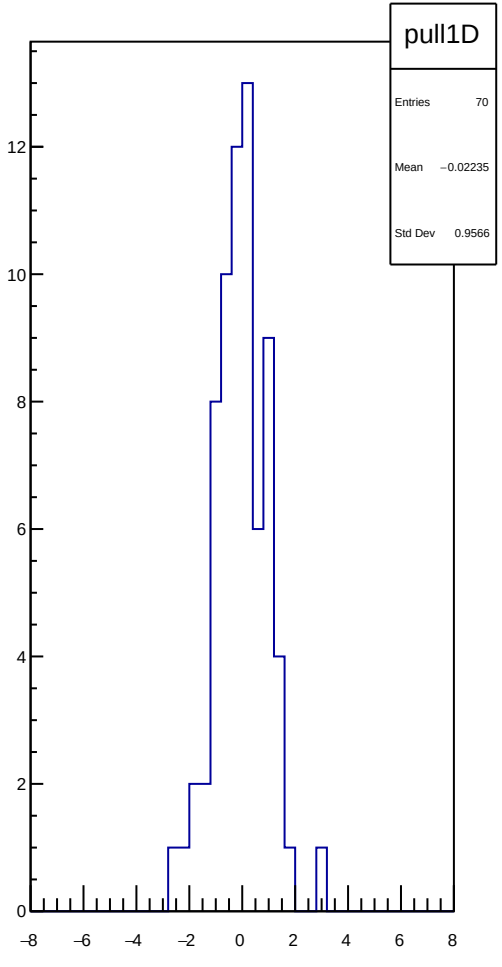

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.155e+05 / 69
p0 4.414e−11 ± 4.644e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

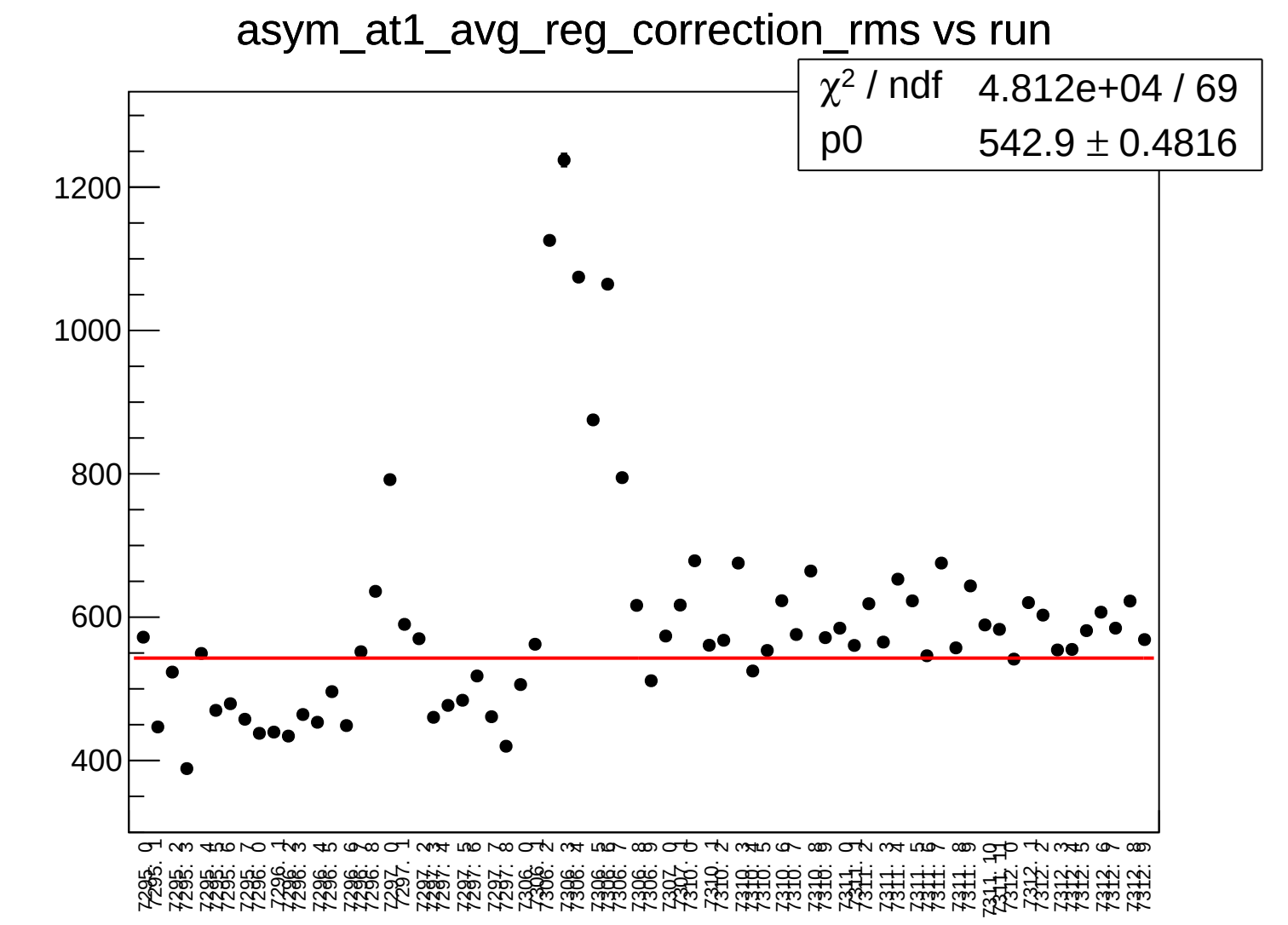

reg_asym_at1_avg_mean vs run
χ² / ndf 69.58 / 69
p0 416.4 ± 2233
pull
Entries 70
Mean −158.8
Std Dev 0

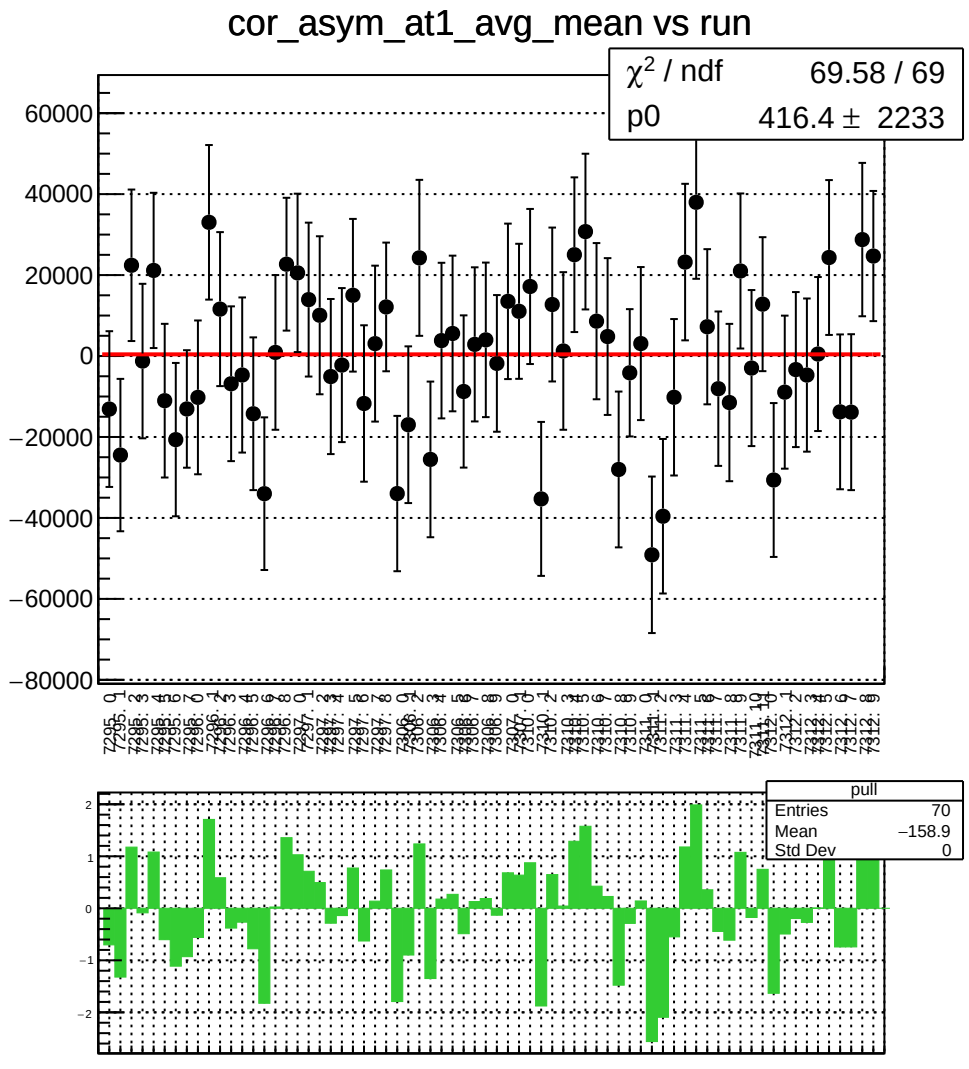

pull1D
Entries 70
Mean −0.006813
Std Dev 0.997

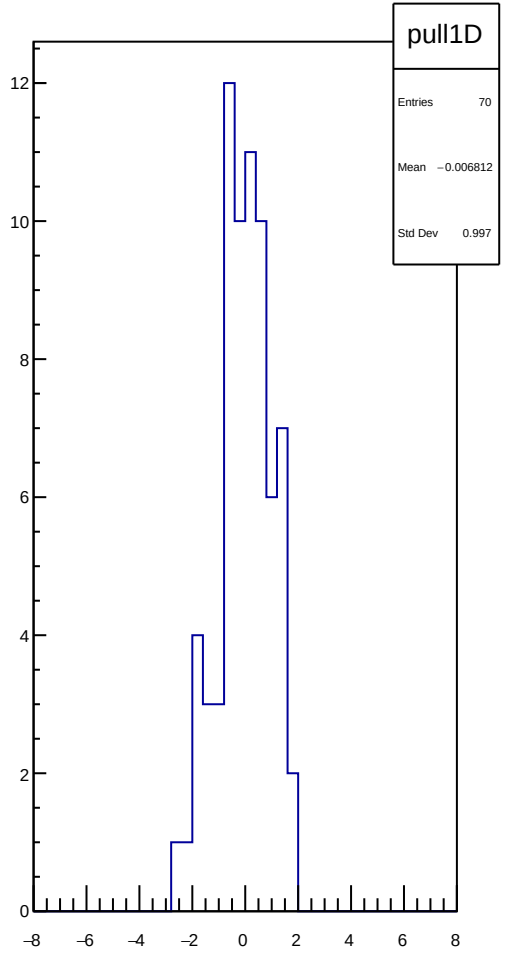

reg_asym_at1_avg_rms vs run
χ² / ndf 109.6 / 69
p0 1813 ± 1.579
1880
1860
1840
1820
1800
1780
1760

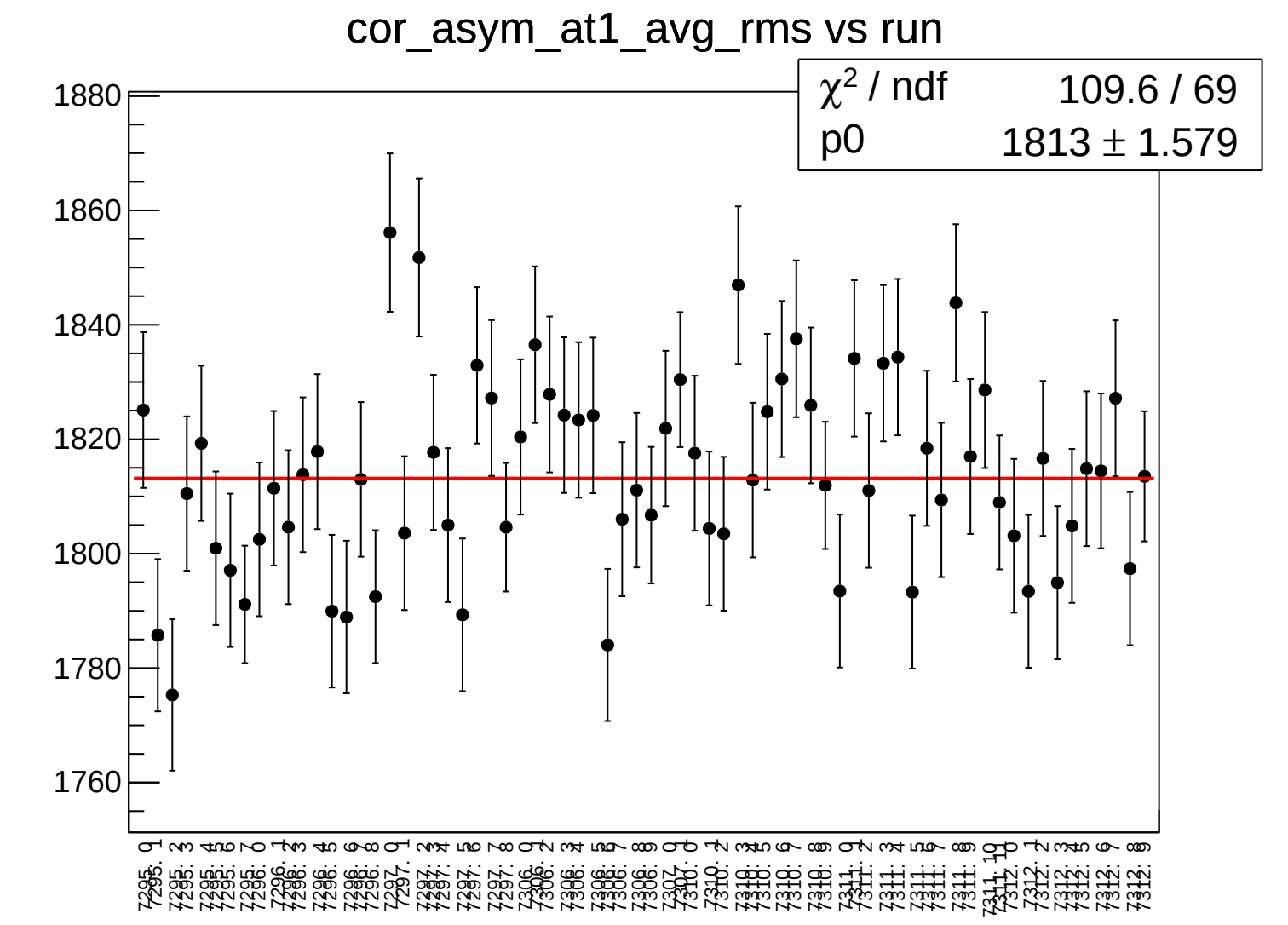

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 64.1 / 69
p0 −239.3 ± 681.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 133.4
Std Dev 0
3
2
1
0
−1
−2

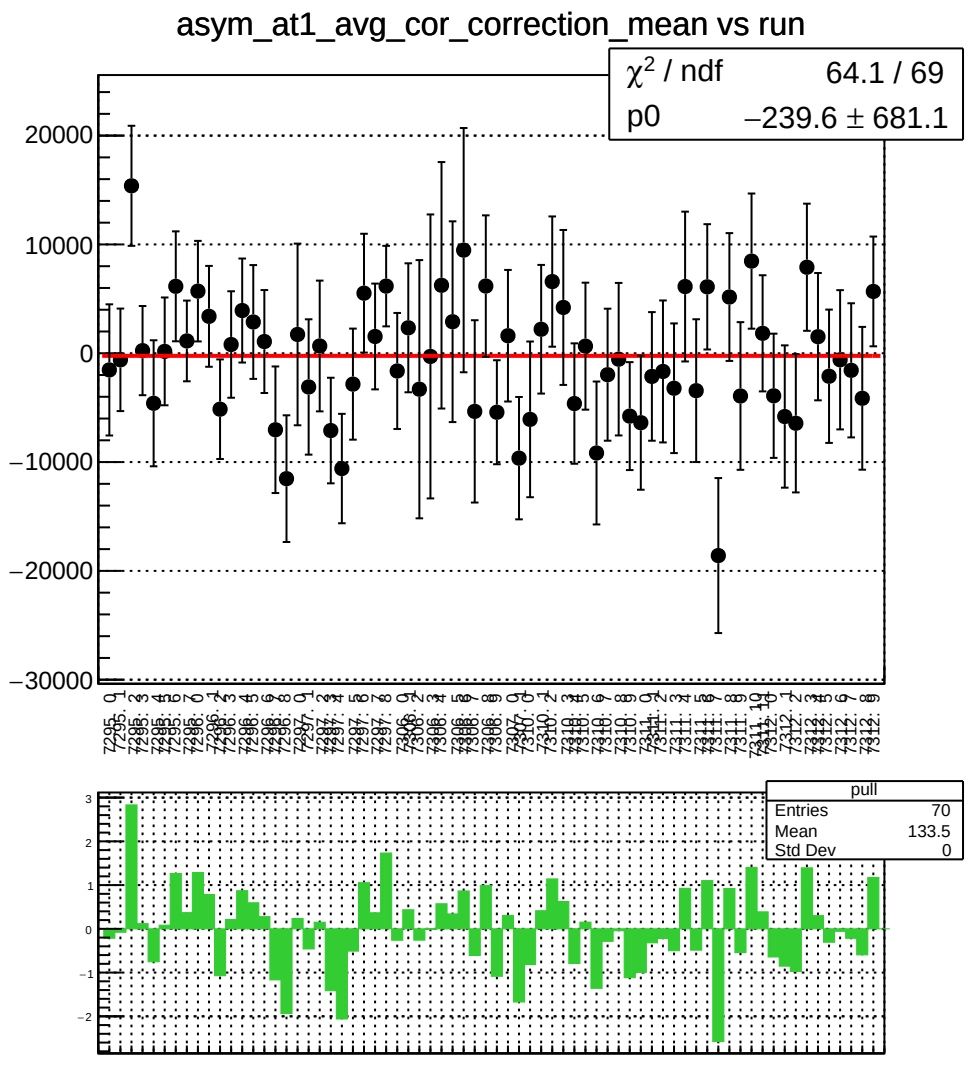

pull1D
Entries 70
Mean −0.02235
Std Dev 0.9566
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

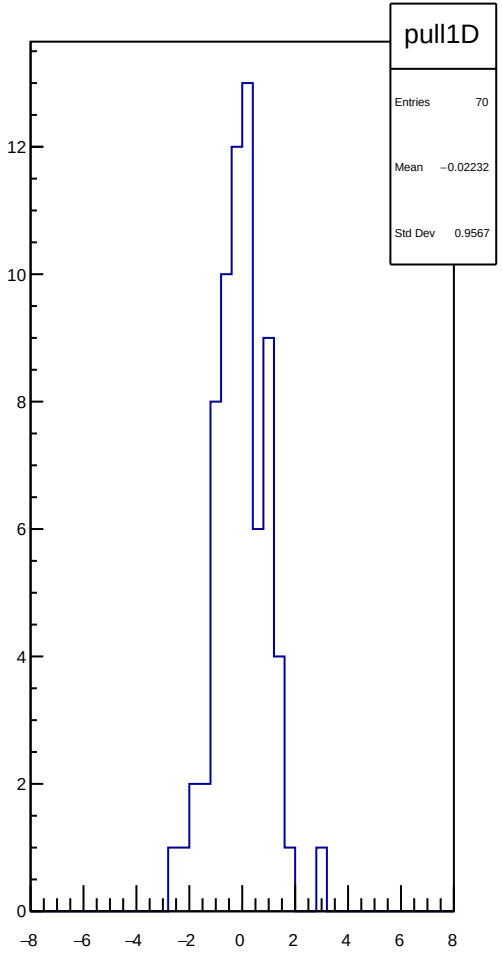

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 4.812e+04 / 69
p0 542.9 ± 0.4816
1200
1000
800
600
400

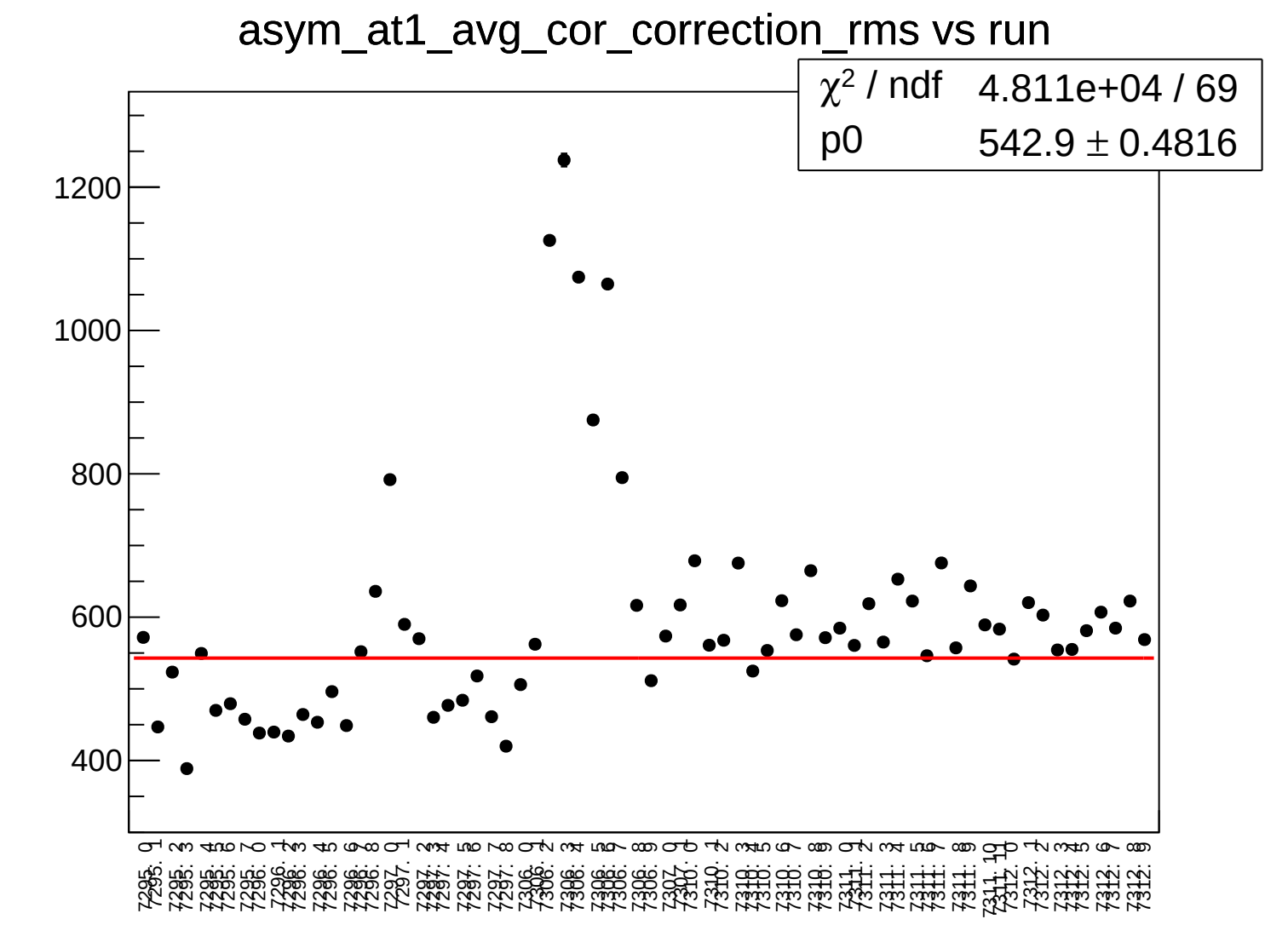

cor_asym_at1_avg_mean vs run
χ² / ndf 69.58 / 69
p0 416.4 ± 2233
pull
Entries 70
Mean −158.9
Std Dev 0

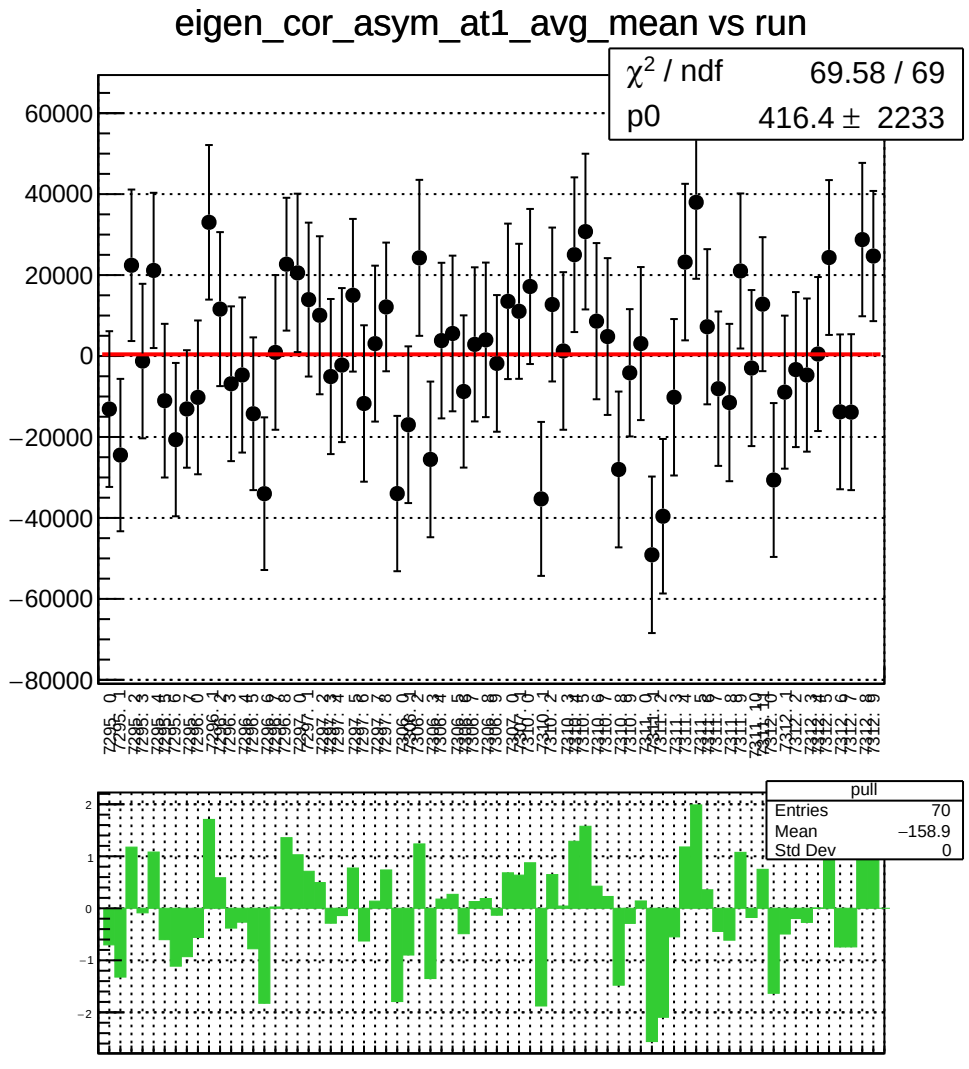

pull1D
Entries 70
Mean −0.006812
Std Dev 0.997

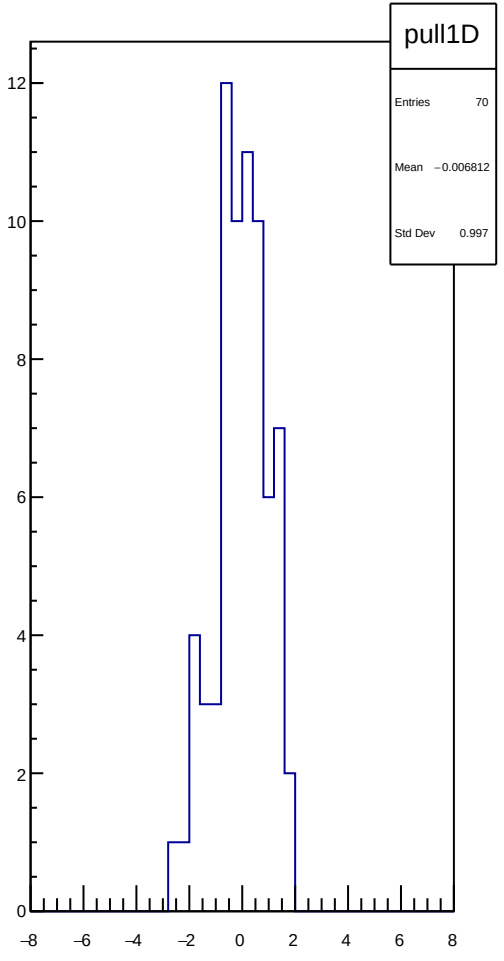

cor_asym_at1_avg_rms vs run
χ² / ndf 109.6 / 69
p0 1813 ± 1.579
1880
1860
1840
1820
1800
1780
1760

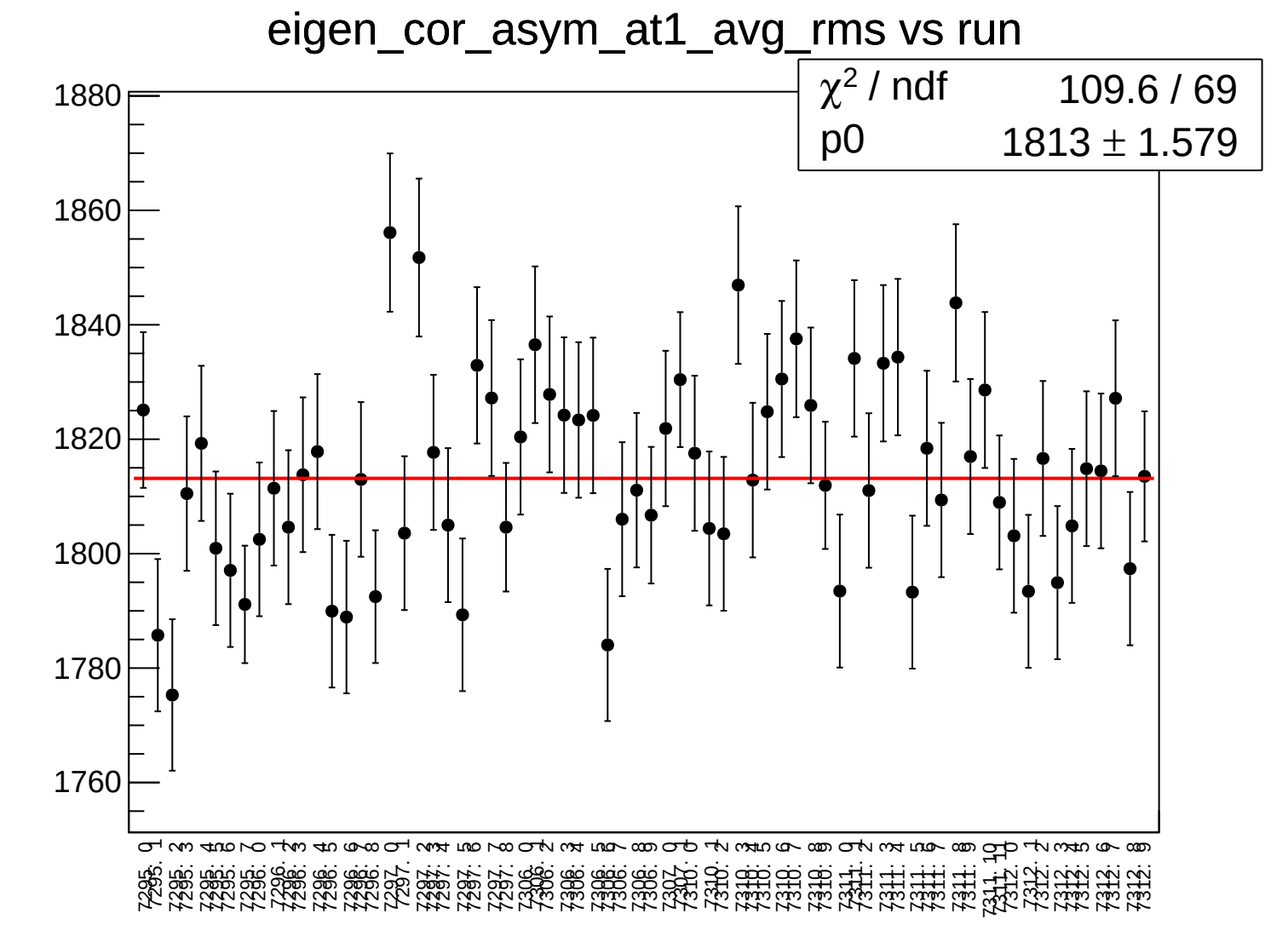

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 64.1 / 69
p0 −239.6 ± 681.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 133.5
Std Dev 0
3
2
1
0
−1
−2

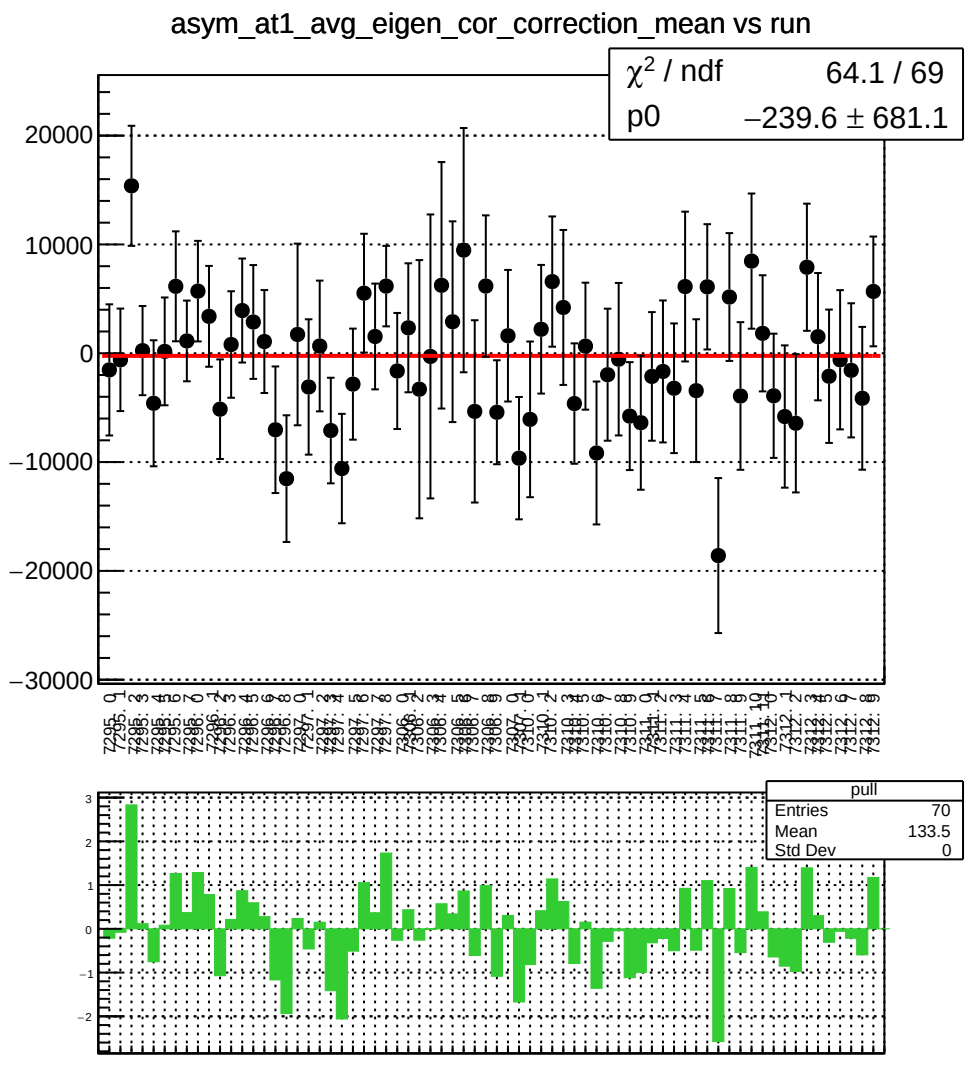

pull1D
Entries 70
Mean −0.02232
Std Dev 0.9567
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

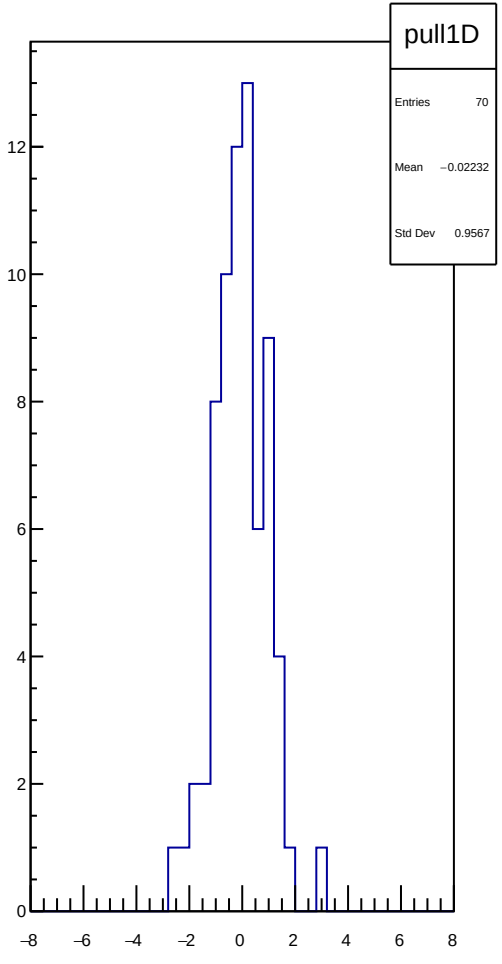

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 4.811e+04 / 69
p0 542.9 ± 0.4816
1200
1000
800
600
400

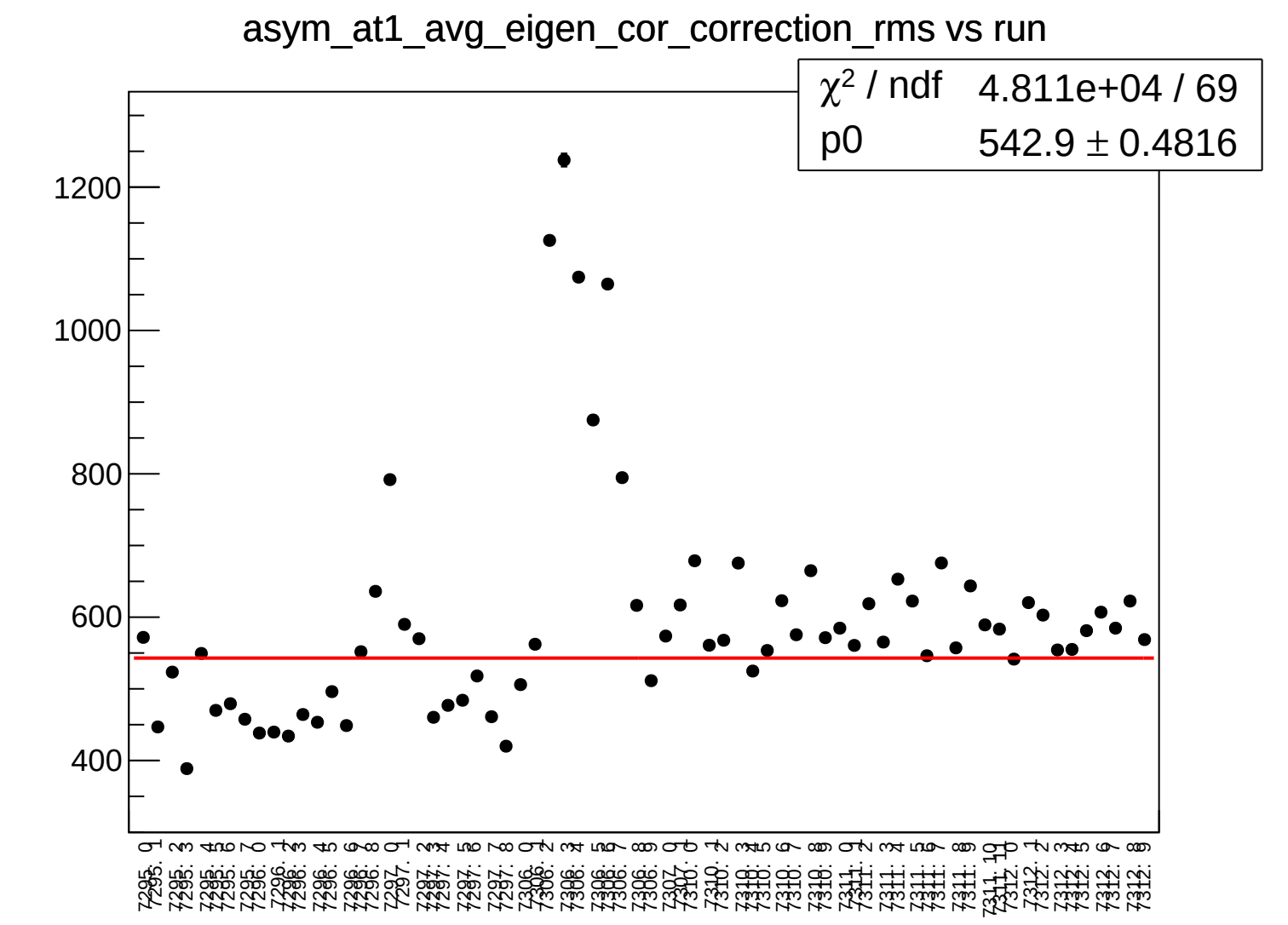

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 69.58 / 69
p0 416.4 ± 2233
pull
Entries 70
Mean −158.9
Std Dev 0

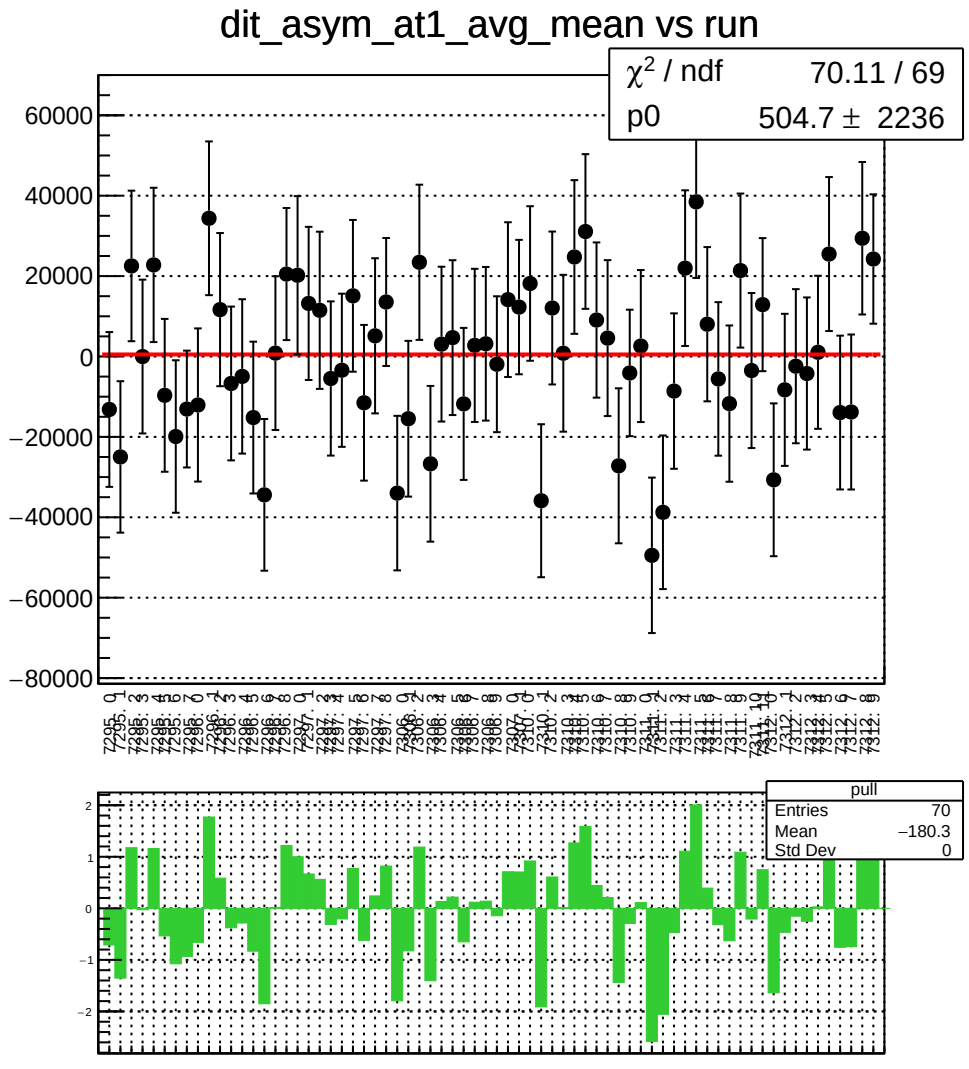

pull1D
Entries 70
Mean −0.006812
Std Dev 0.997

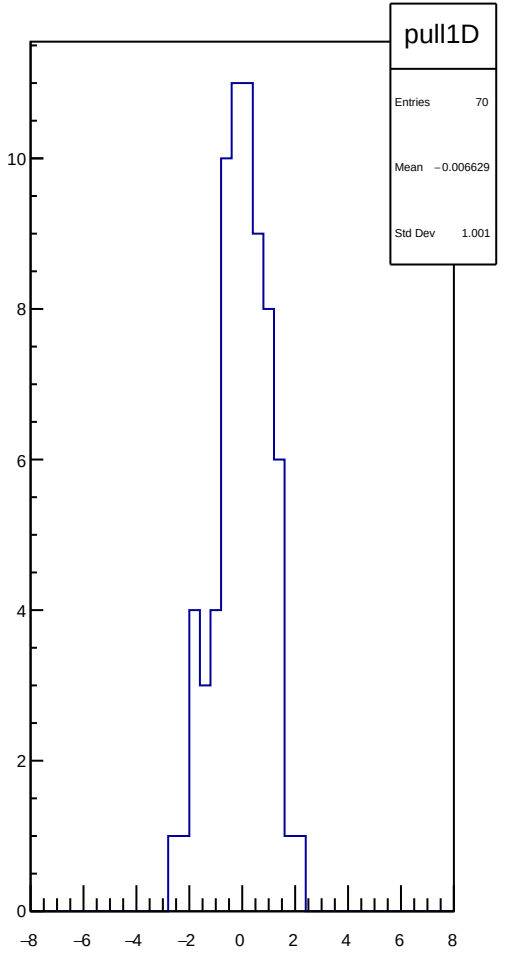

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 109.6 / 69
p0 1813 ± 1.579
1880
1860
1840
1820
1800
1780
1760

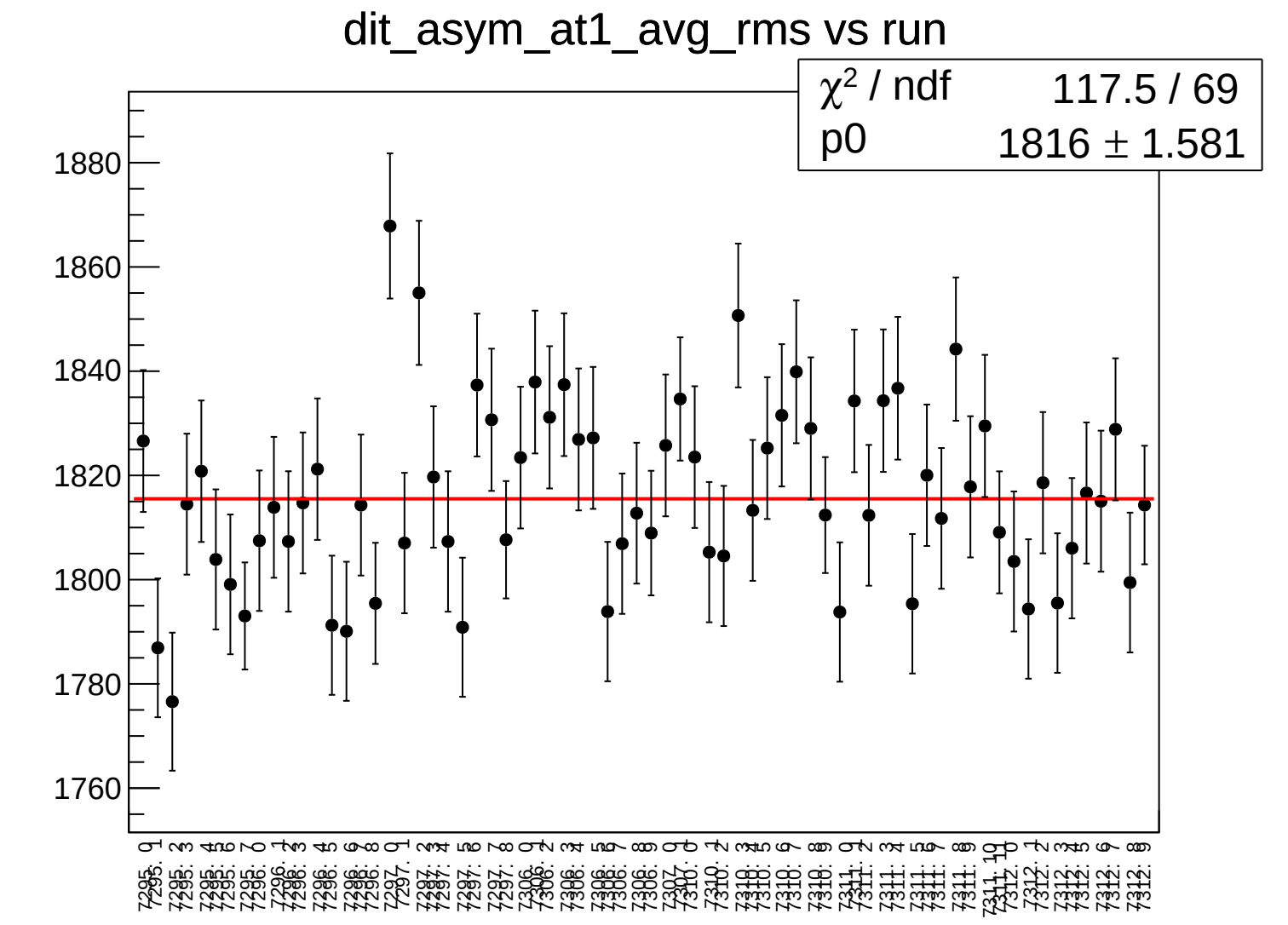

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.1 / 69
p0 −239.6 ± 681.1
pull
Entries 70
Mean 133.5
Std Dev 0

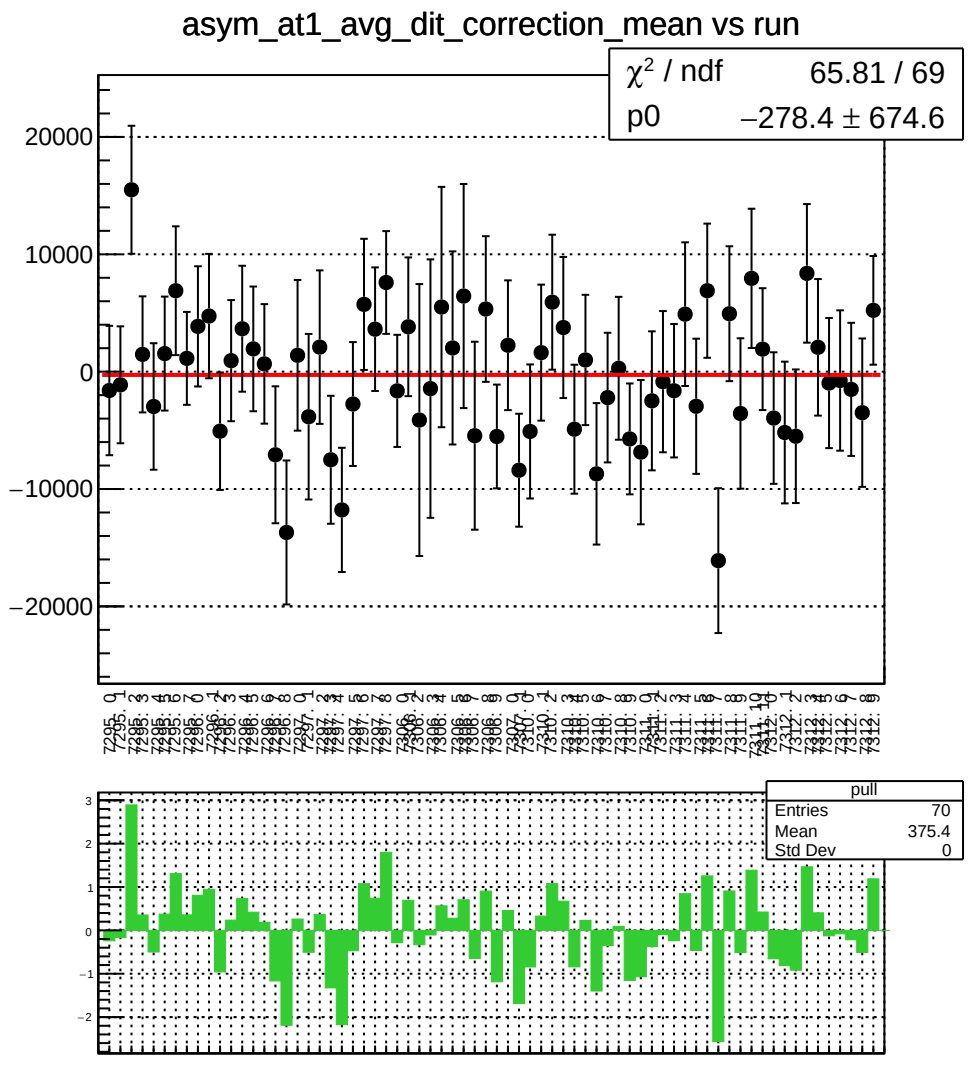

pull1D
Entries 70
Mean −0.02232
Std Dev 0.9567

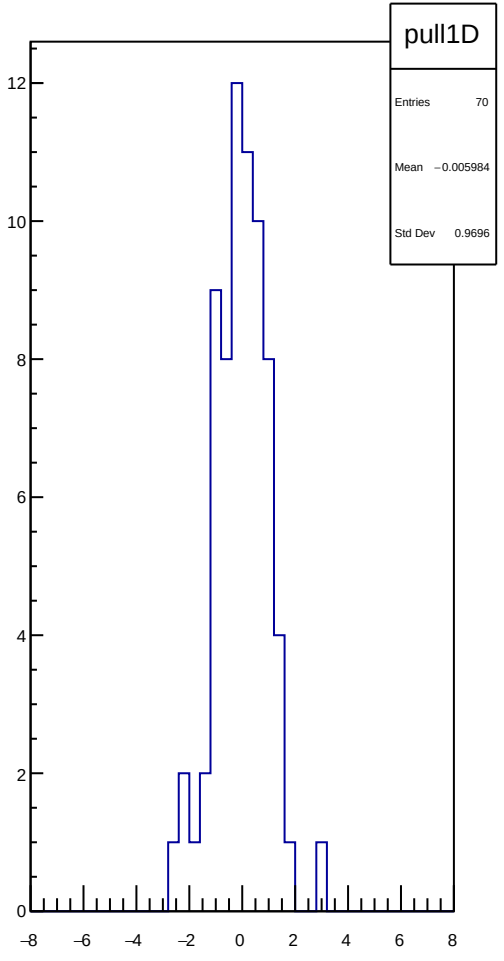

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.811e+04 / 69
p0 542.9 ± 0.4816
1200
1000
800
600
400

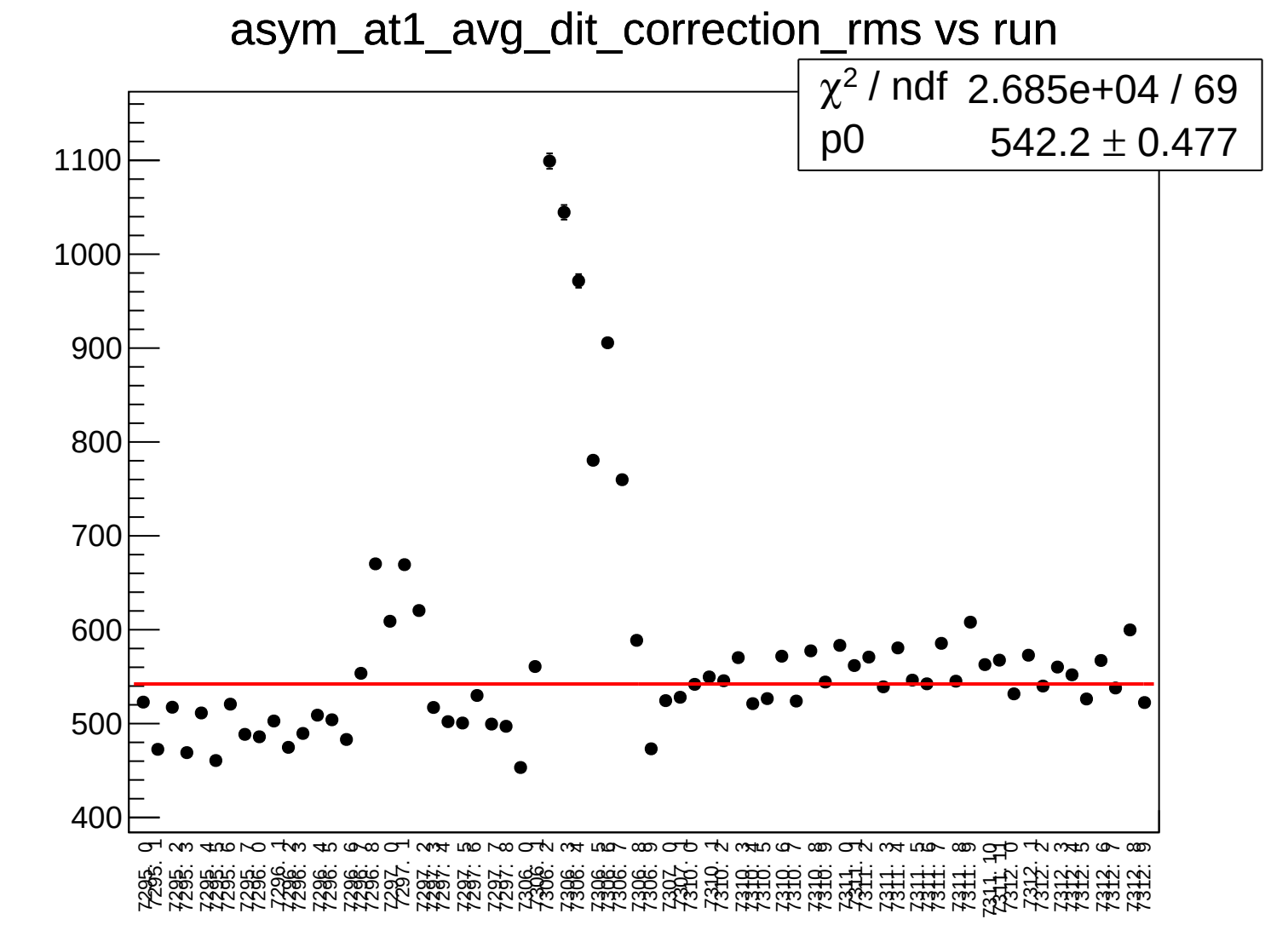

dit_asym_at1_avg_mean vs run
χ² / ndf 70.11 / 69
p0 504.7 ± 2236
pull
Entries 70
Mean −180.3
Std Dev 0

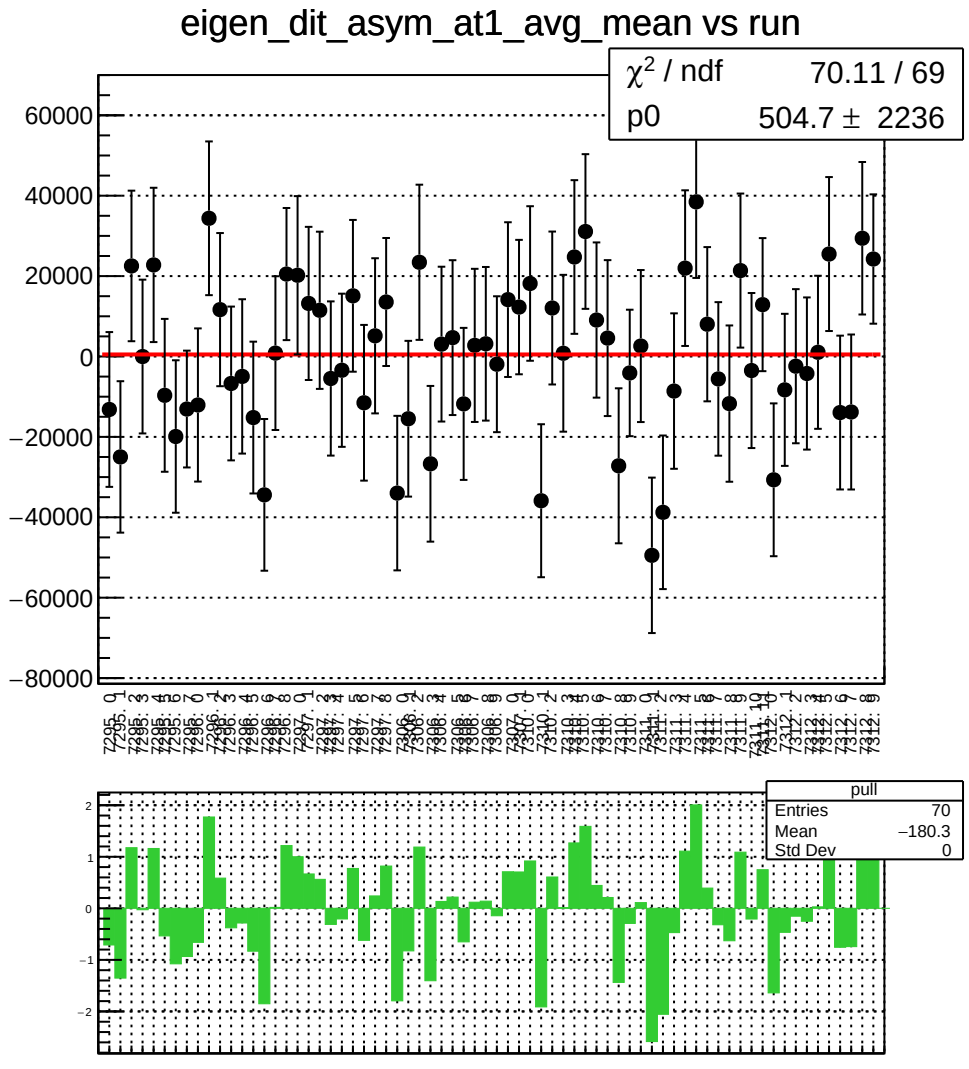

pull1D
Entries 70
Mean −0.006629
Std Dev 1.001

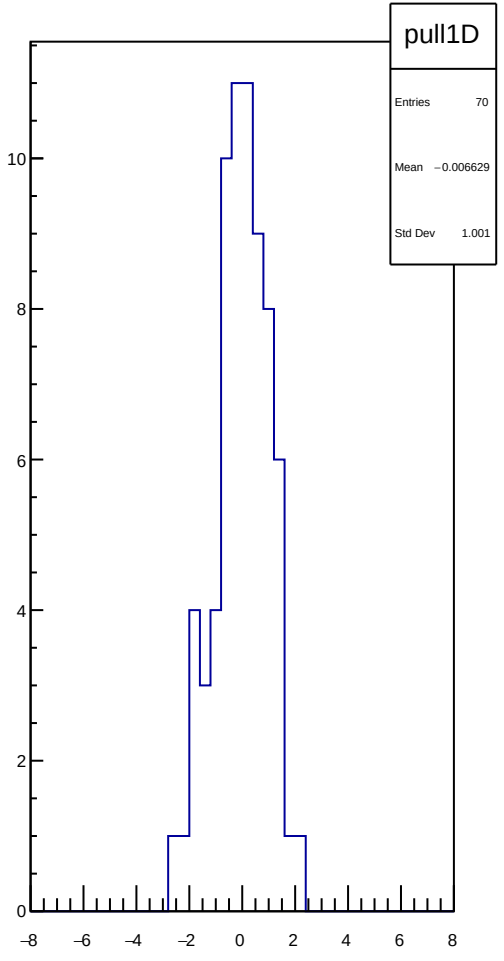

dit_asym_at1_avg_rms vs run
χ² / ndf 117.5 / 69
p0 1816 ± 1.581
1880
1860
1840
1820
1800
1780
1760

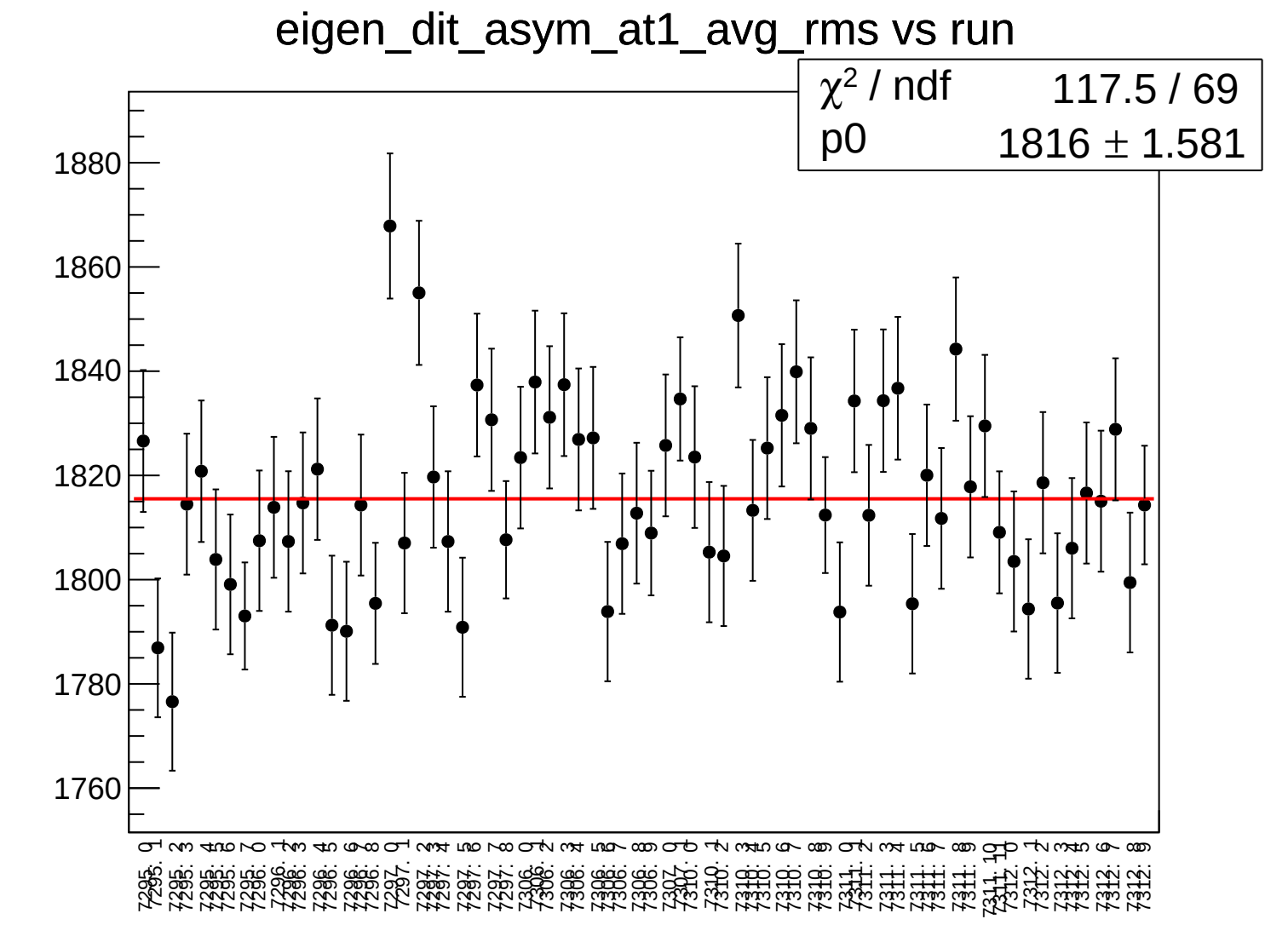

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 65.81 / 69
p0 −278.4 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 375.4
Std Dev 0
3
2
1
0
−1
−2

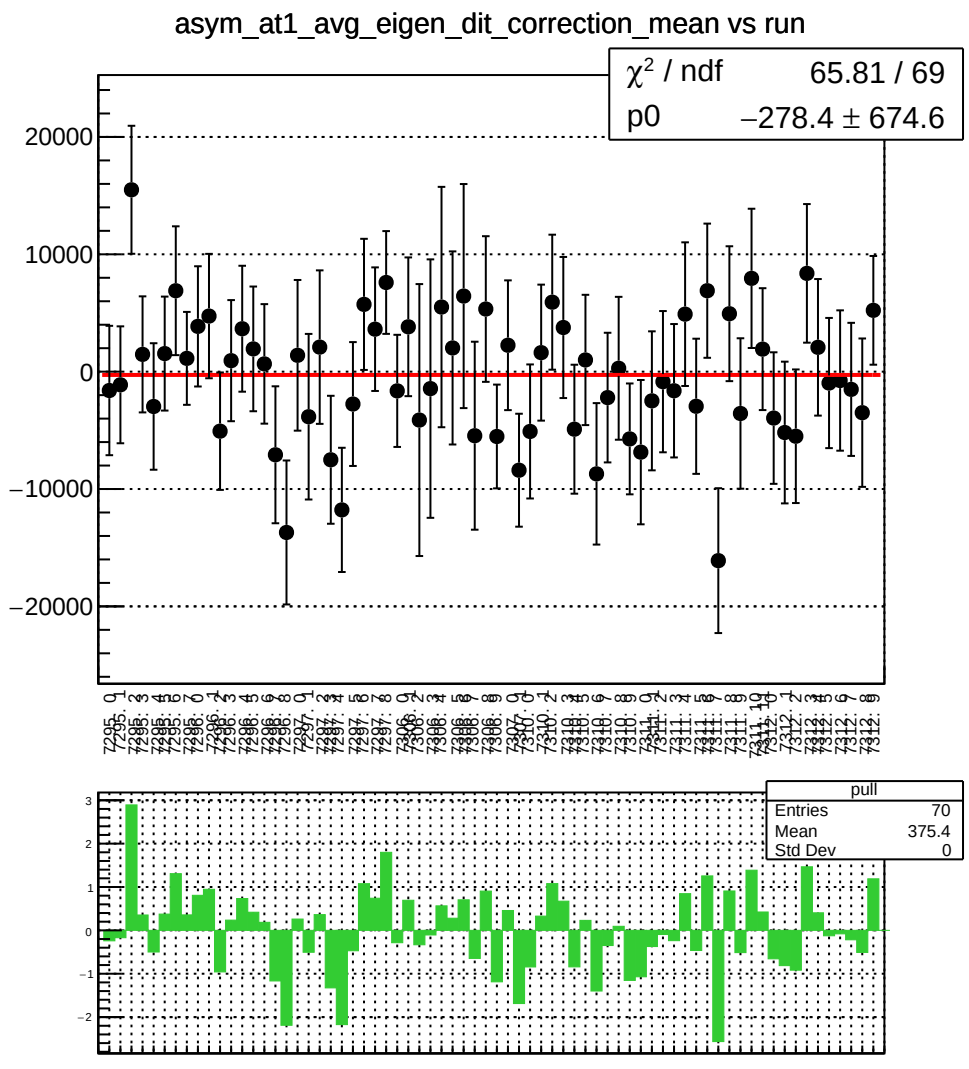

pull1D
Entries 70
Mean −0.005984
Std Dev 0.9696
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

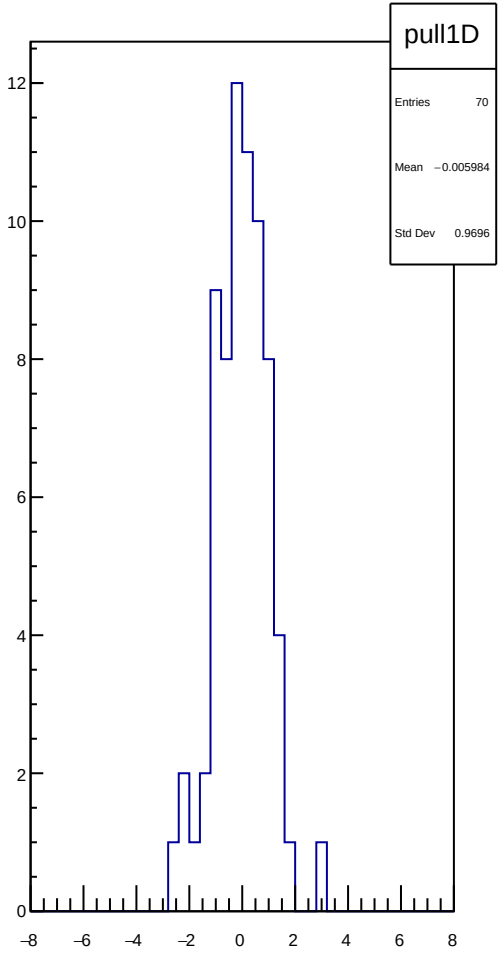

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.685e+04 / 69
p0 542.2 ± 0.477
1100
1000
900
800
700
600
500
400

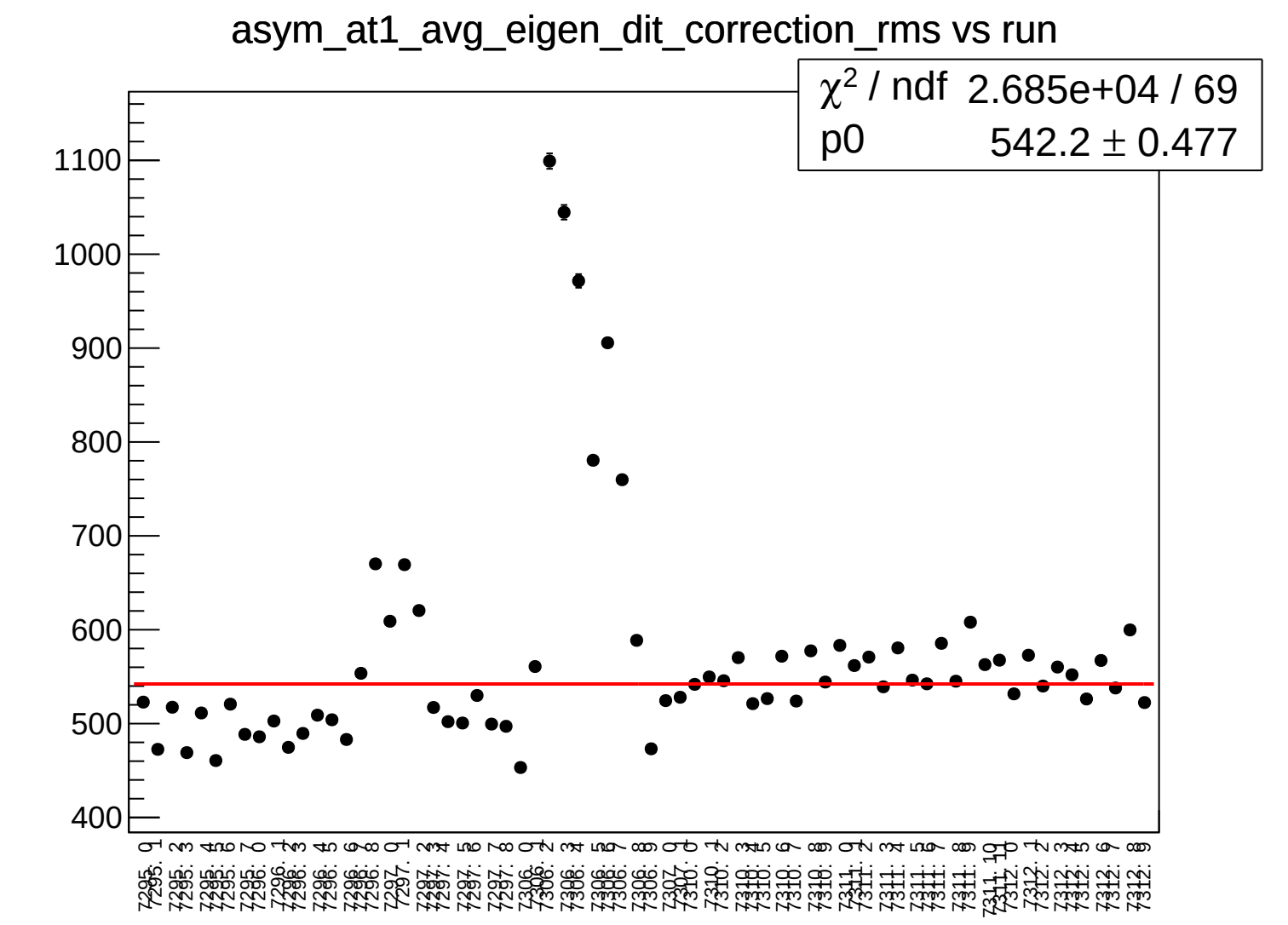

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 70.11 / 69
p0 504.7 ± 2236
pull
Entries 70
Mean −180.3
Std Dev 0

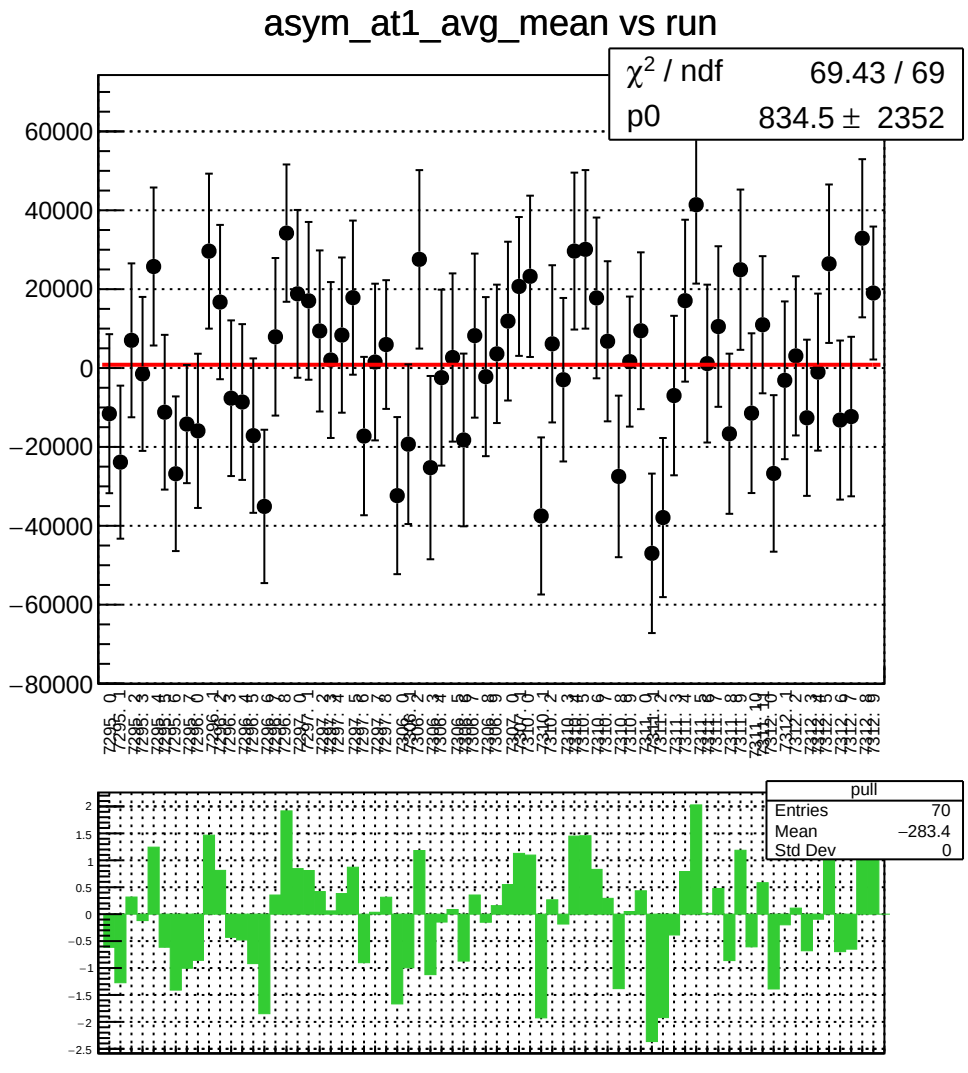

pull1D
Entries 70
Mean −0.006629
Std Dev 1.001

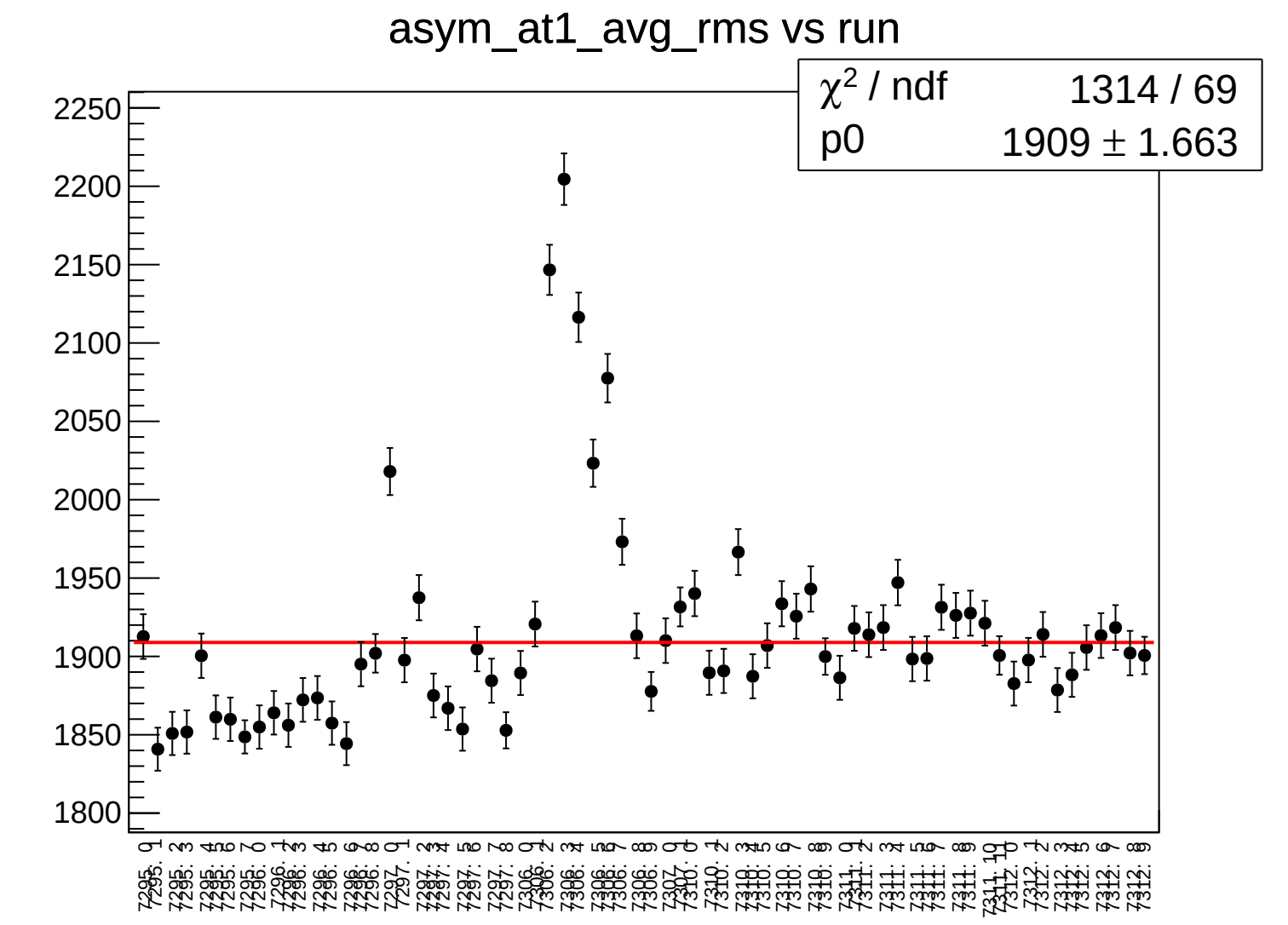

eigen_dit_asym_at1_avg_rms vs run
χ^2 / ndf 117.5 / 69
p0 1816 ± 1.581
1880
1860
1840
1820
1800
1780
1760

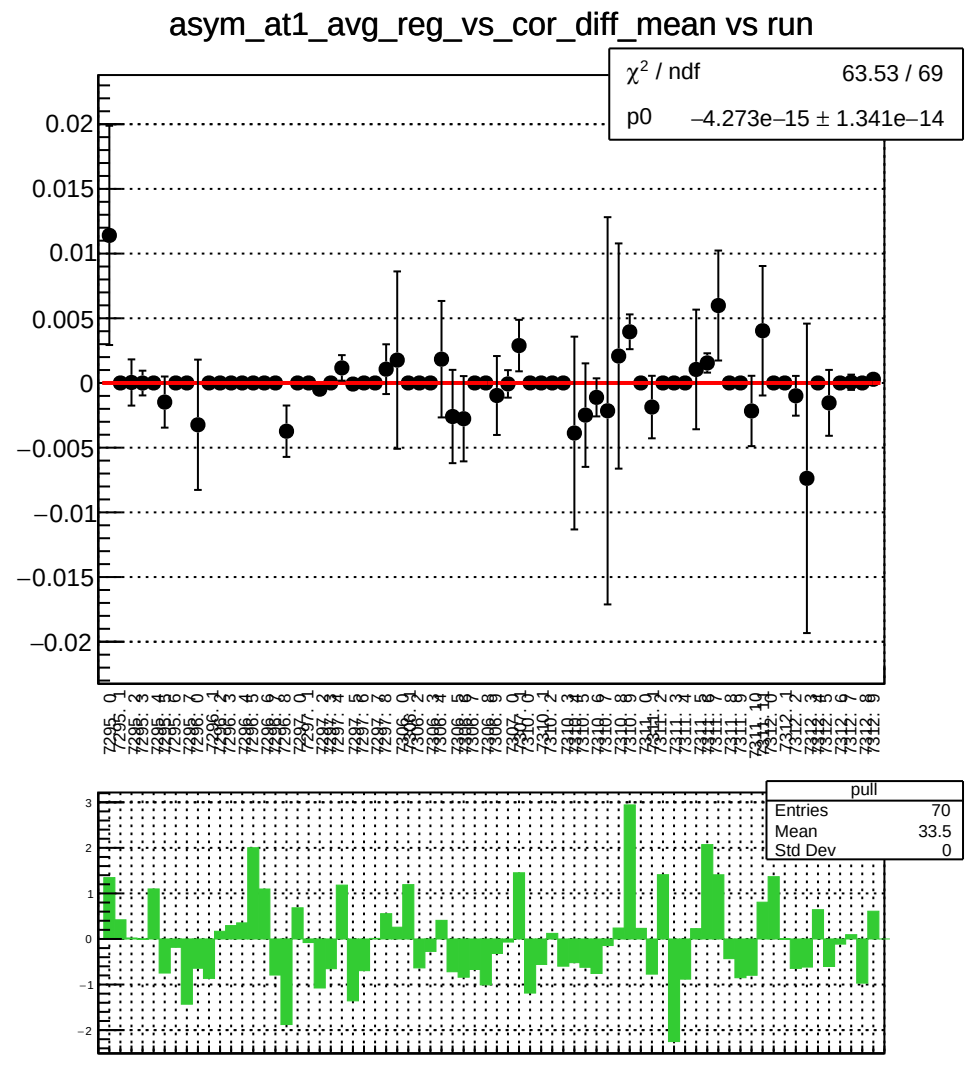

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.81 / 69
p0 −278.4 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 375.4
Std Dev 0
3
2
1
0
−1
−2

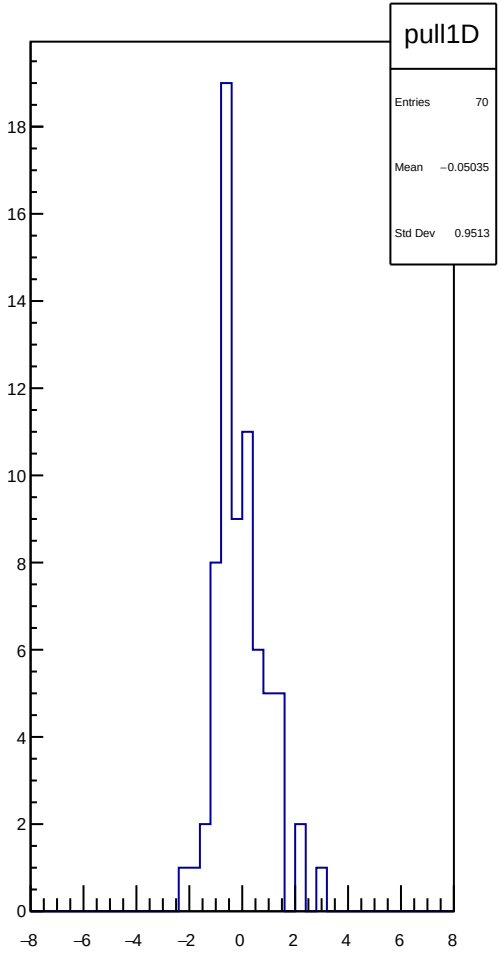

pull1D
Entries 70
Mean −0.005984
Std Dev 0.9696
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

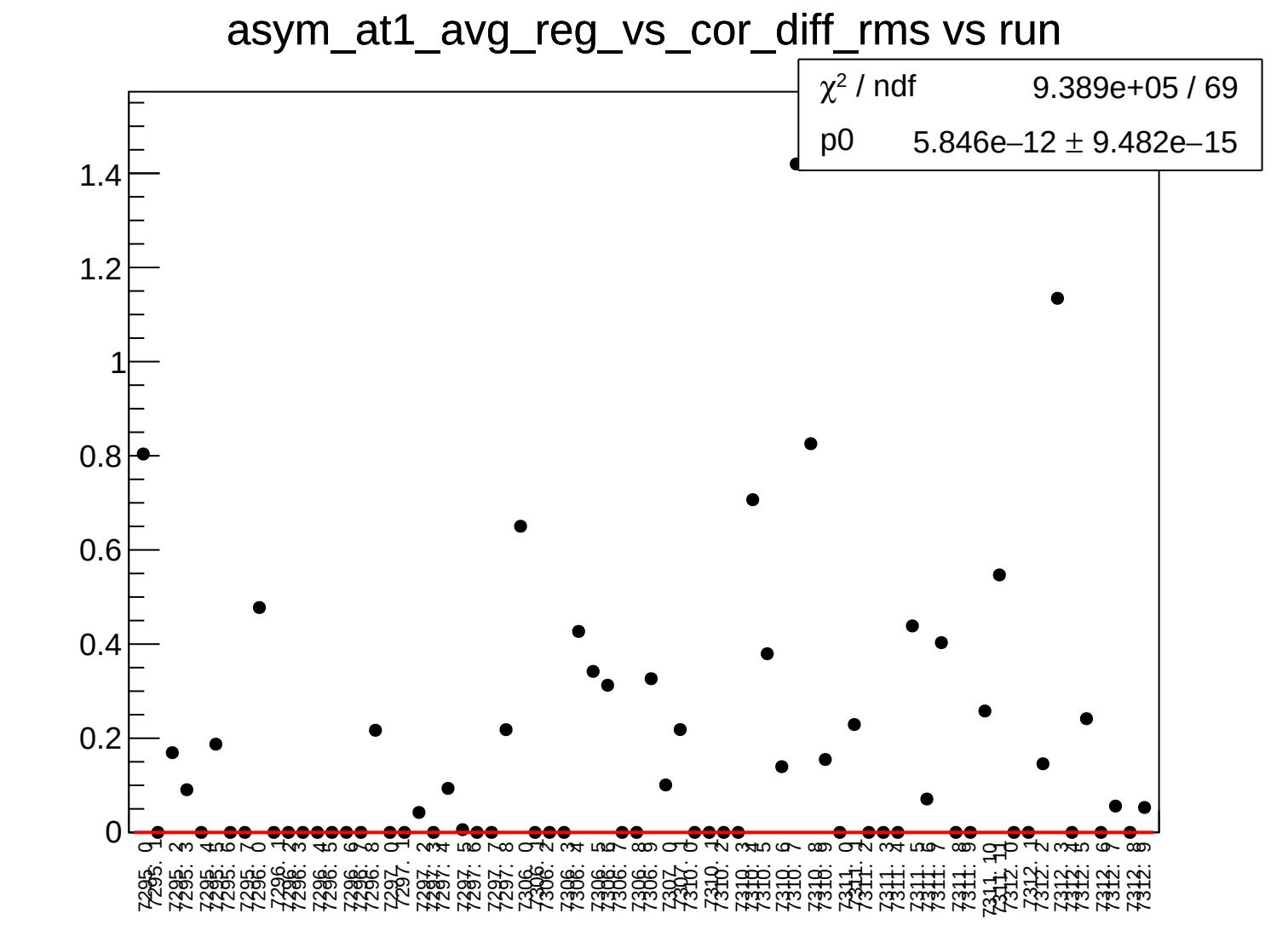

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.685e+04 / 69
p0 542.2 ± 0.477
1100
1000
900
800
700
600
500
400

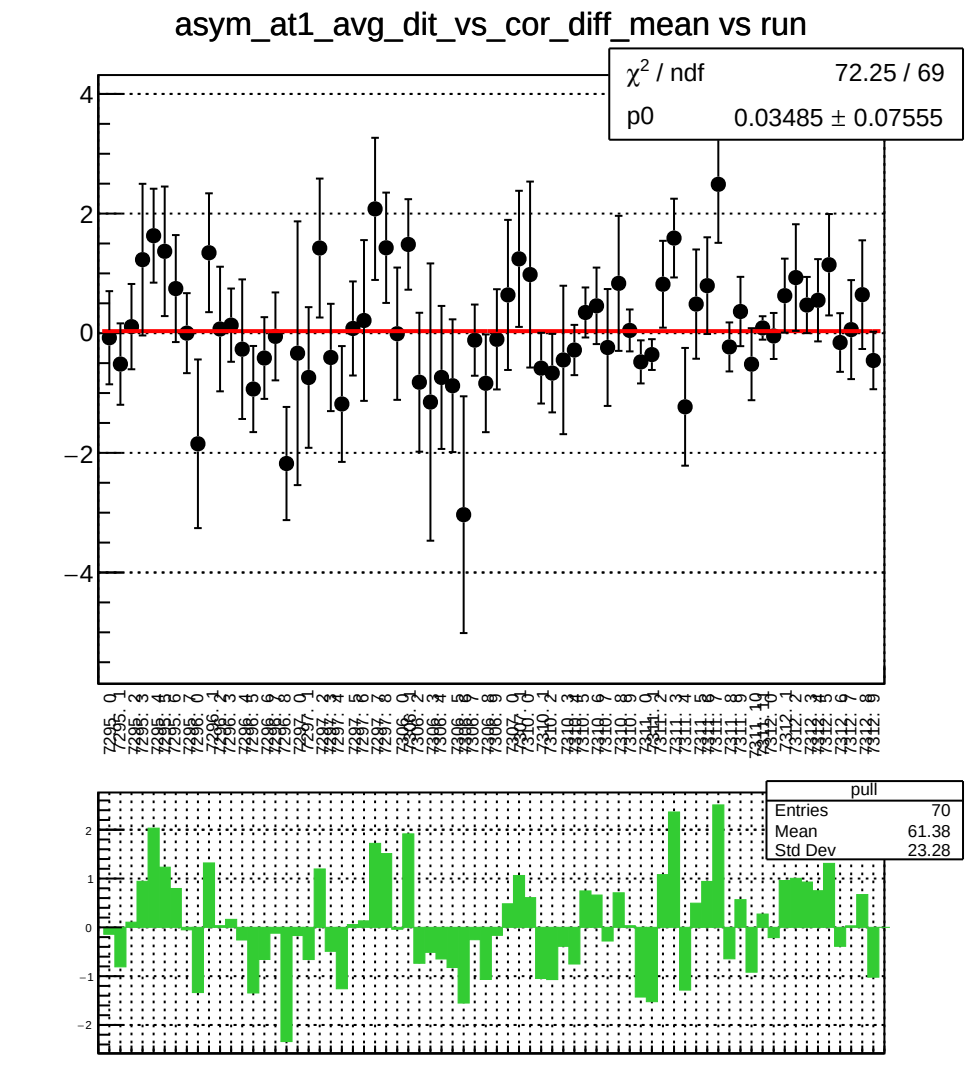

asym_at1_avg_mean vs run
χ² / ndf 69.43 / 69
p0 834.5 ± 2352
pull
Entries 70
Mean −283.4
Std Dev 0
pull1D
Entries 70
Mean −0.006037
Std Dev 0.9959

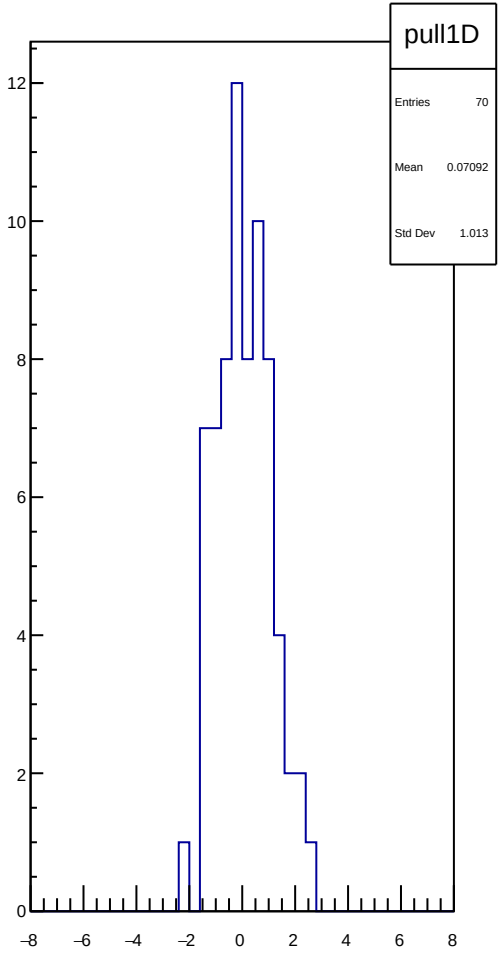

asym_at1_avg_rms vs run
χ² / ndf 1314 / 69
p0 1909 ± 1.663
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

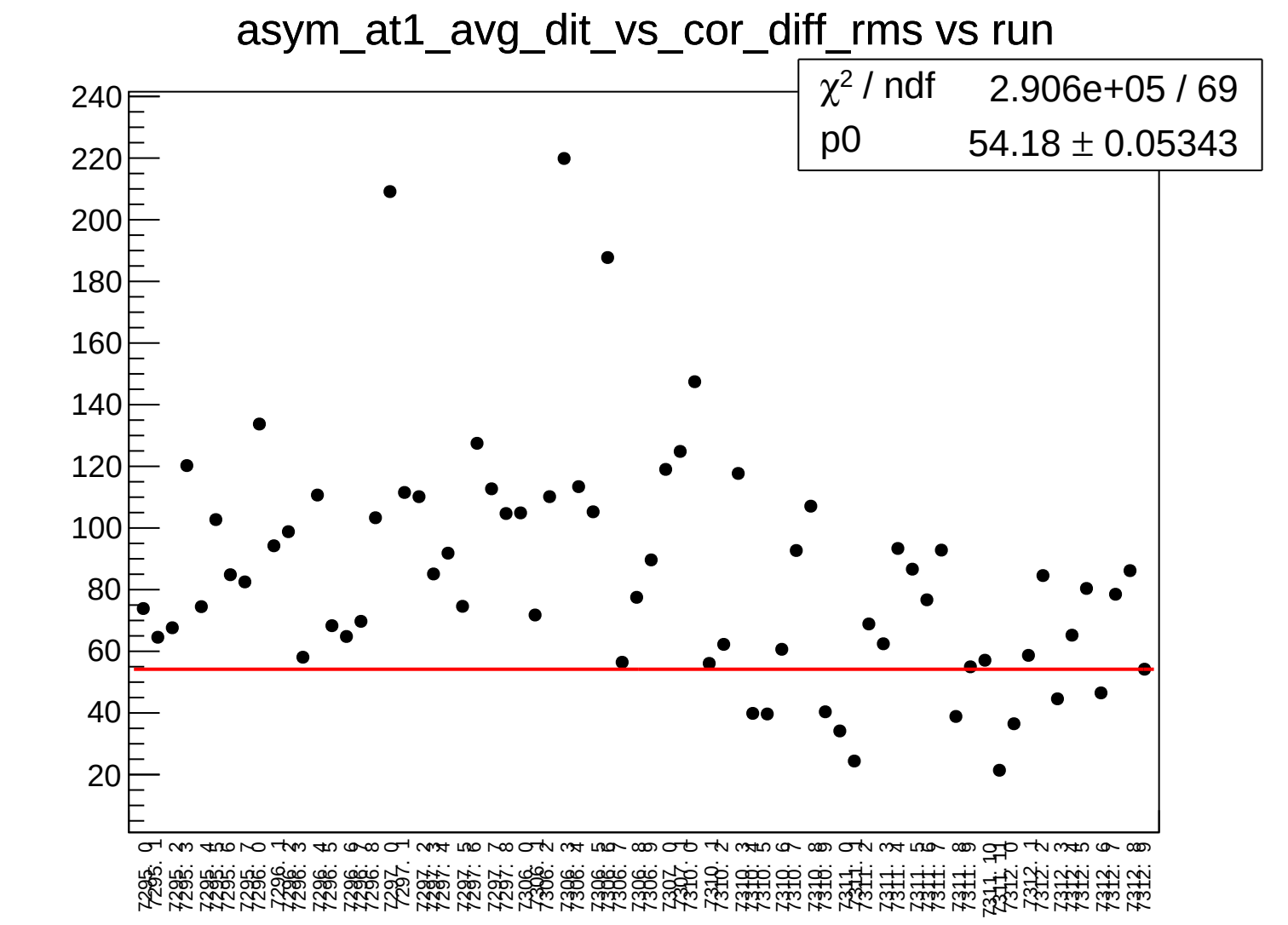

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.53 / 69
p0 −4.273e−15 ± 1.341e−14
pull
Entries 70
Mean 33.5
Std Dev 0

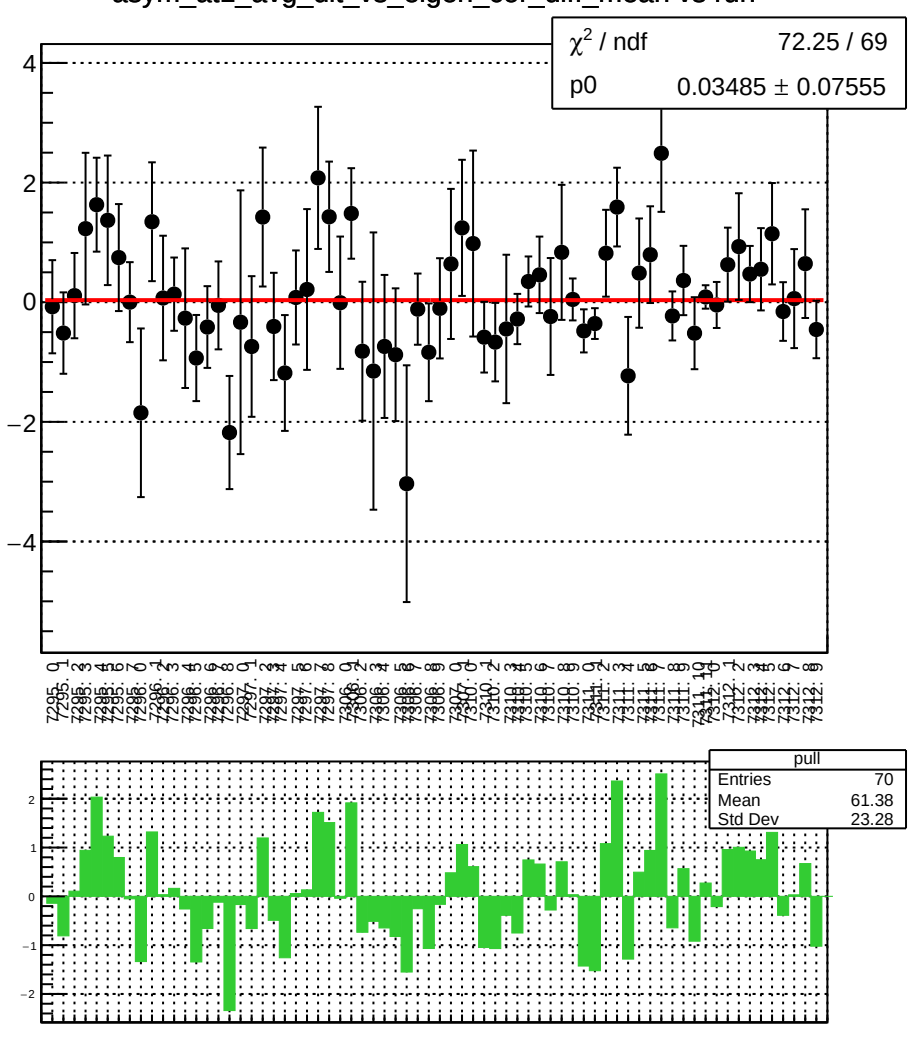

pull1D
Entries 70
Mean −0.05035
Std Dev 0.9513

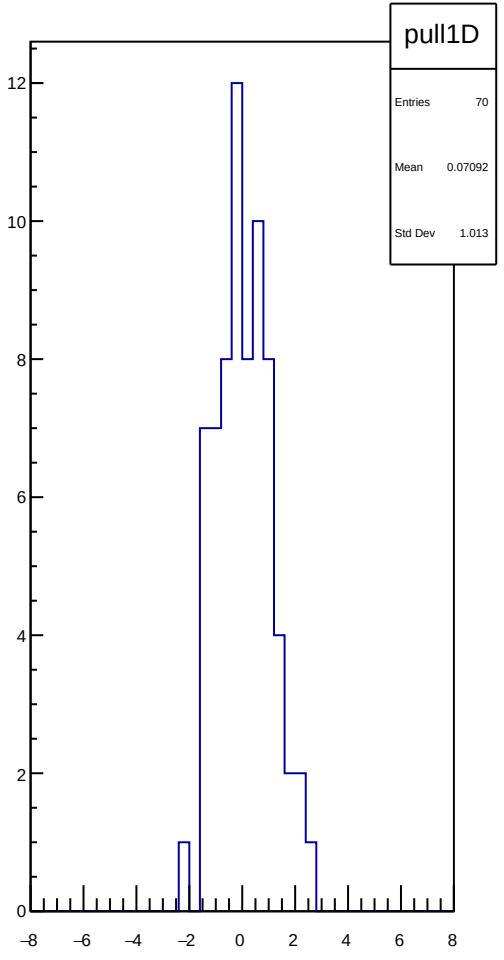

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.389e+05 / 69
p0 5.846e−12 ± 9.482e−15
1.4
1.2
1
0.8
0.6
0.4
0.2
0

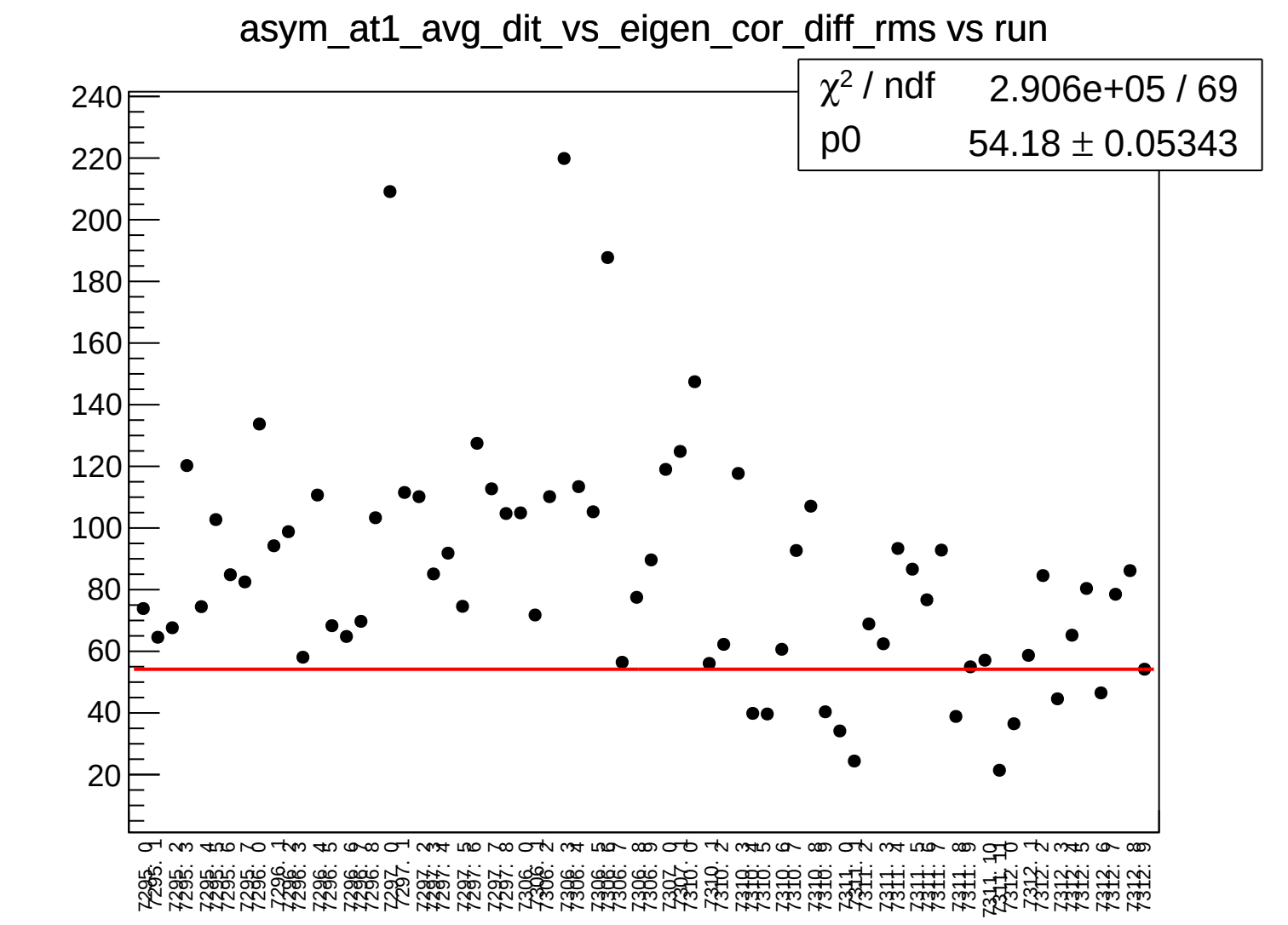

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.25 / 69
p0 0.03485 ± 0.07555
pull
Entries 70
Mean 61.38
Std Dev 23.28

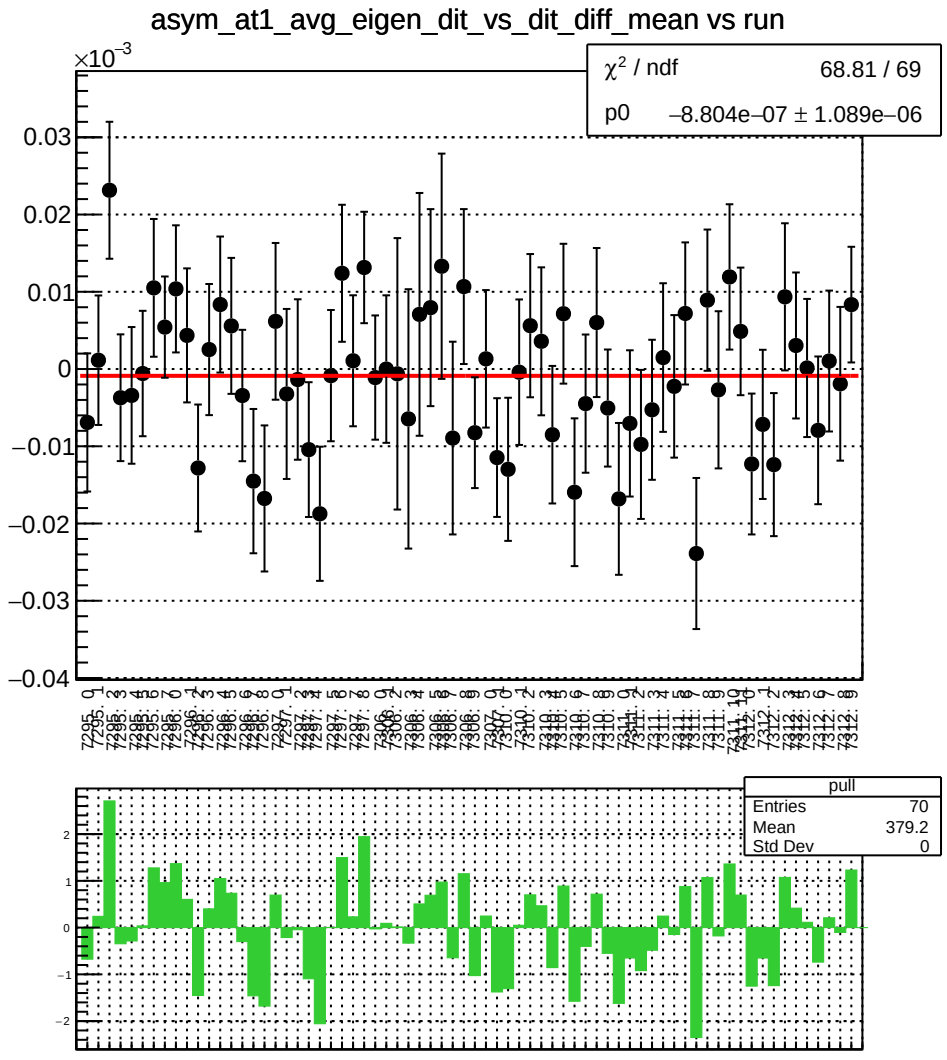

pull1D
Entries 70
Mean 0.07092
Std Dev 1.013

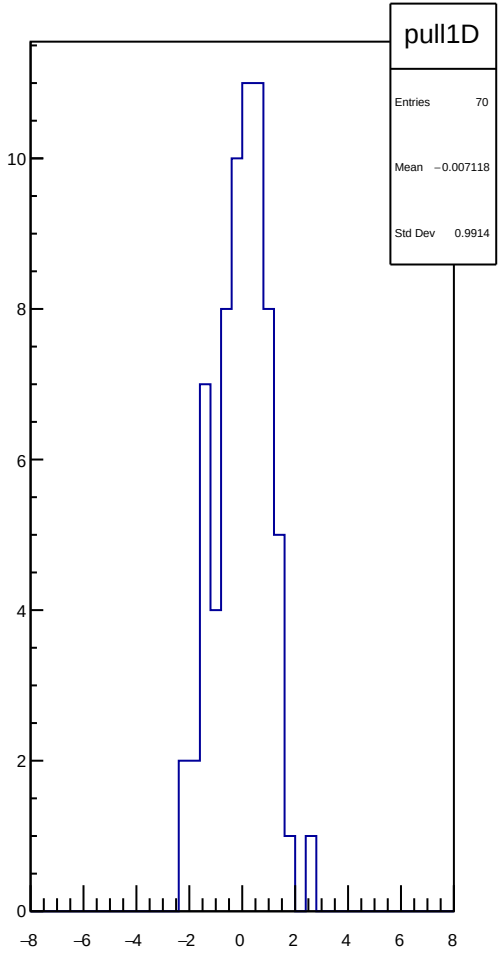

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.906e+05 / 69
p0 54.18 ± 0.05343
240
220
200
180
160
140
120
100
80
60
40
20

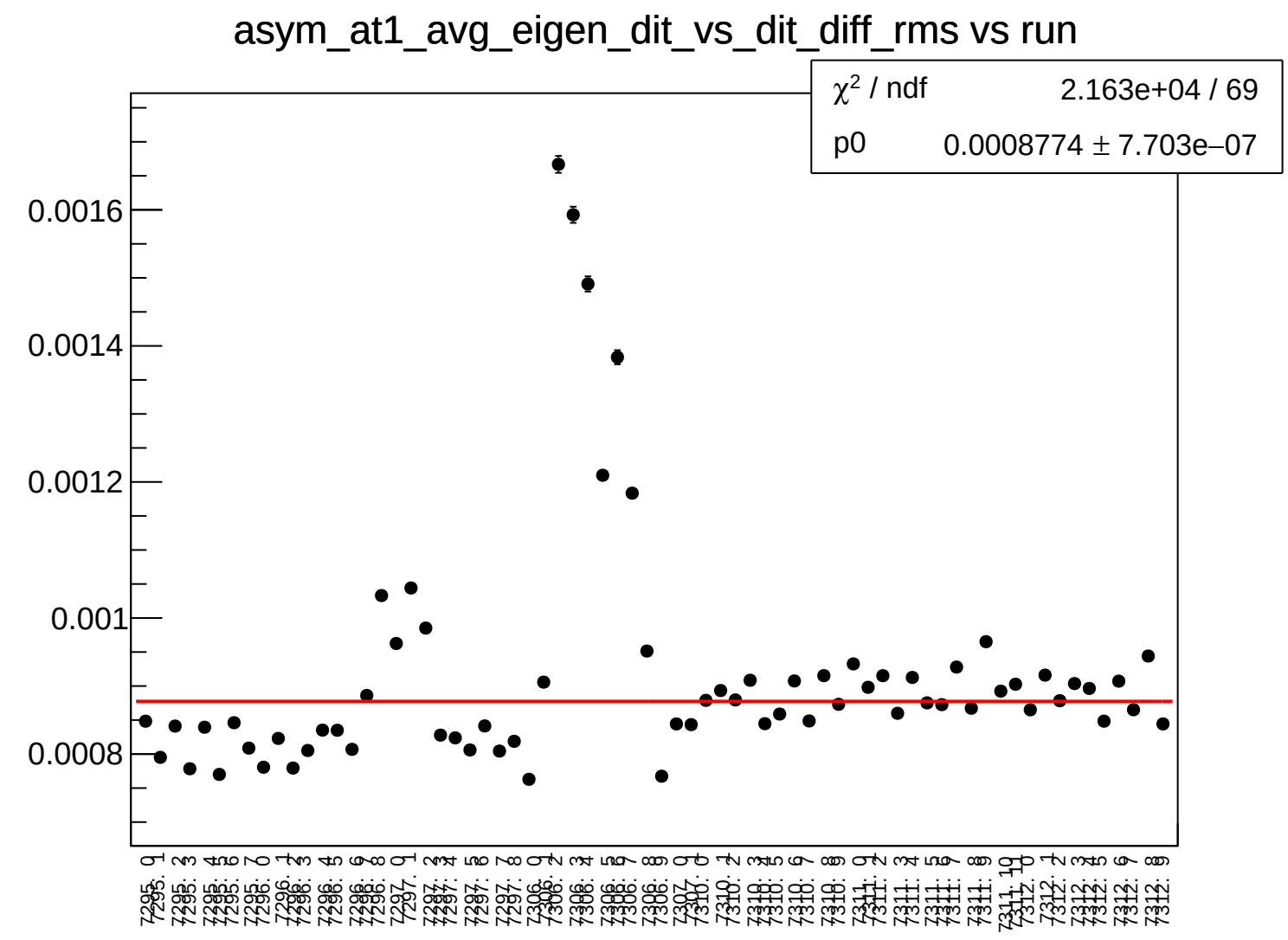

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.25 / 69
p0 0.03485 ± 0.07555
pull
Entries 70
Mean 61.38
Std Dev 23.28

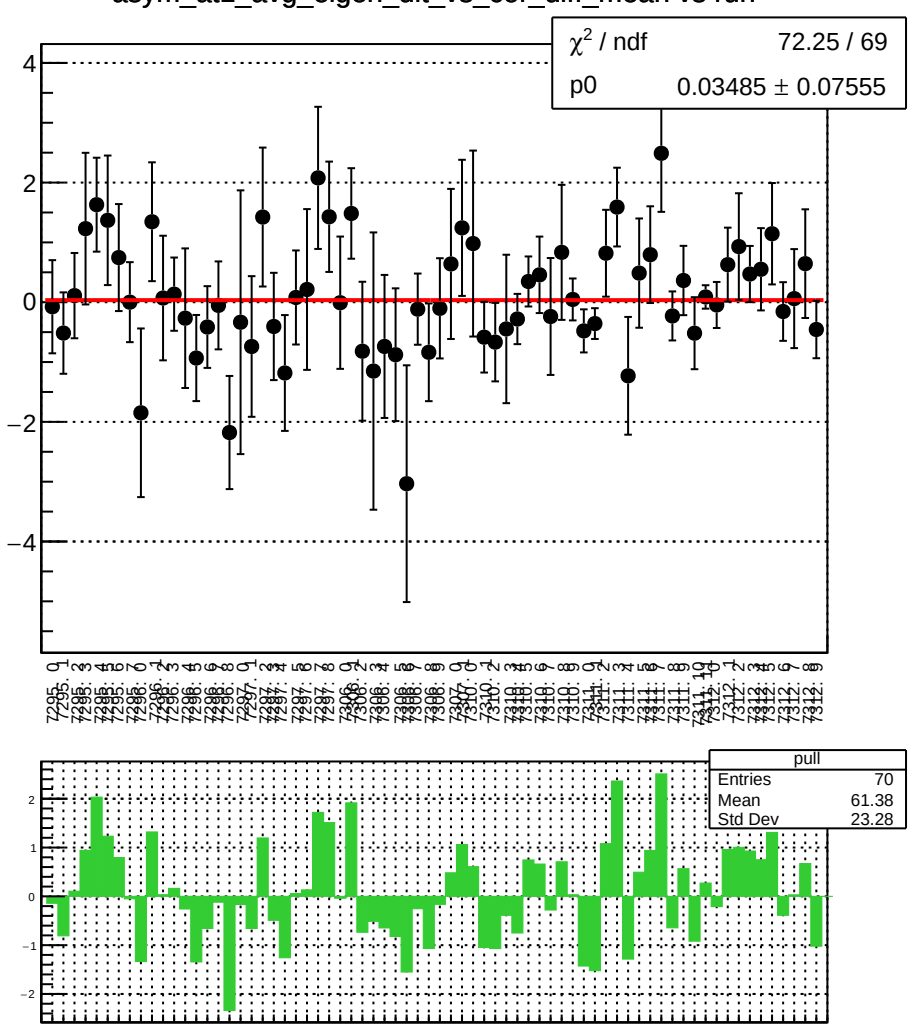

pull1D
Entries 70
Mean 0.07092
Std Dev 1.013

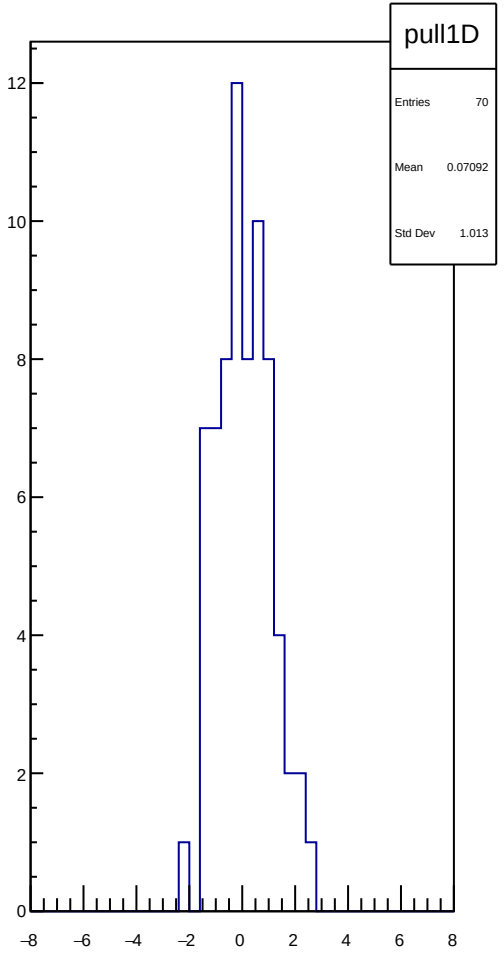

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.906e+05 / 69
p0 54.18 ± 0.05343
240
220
200
180
160
140
120
100
80
60
40
20

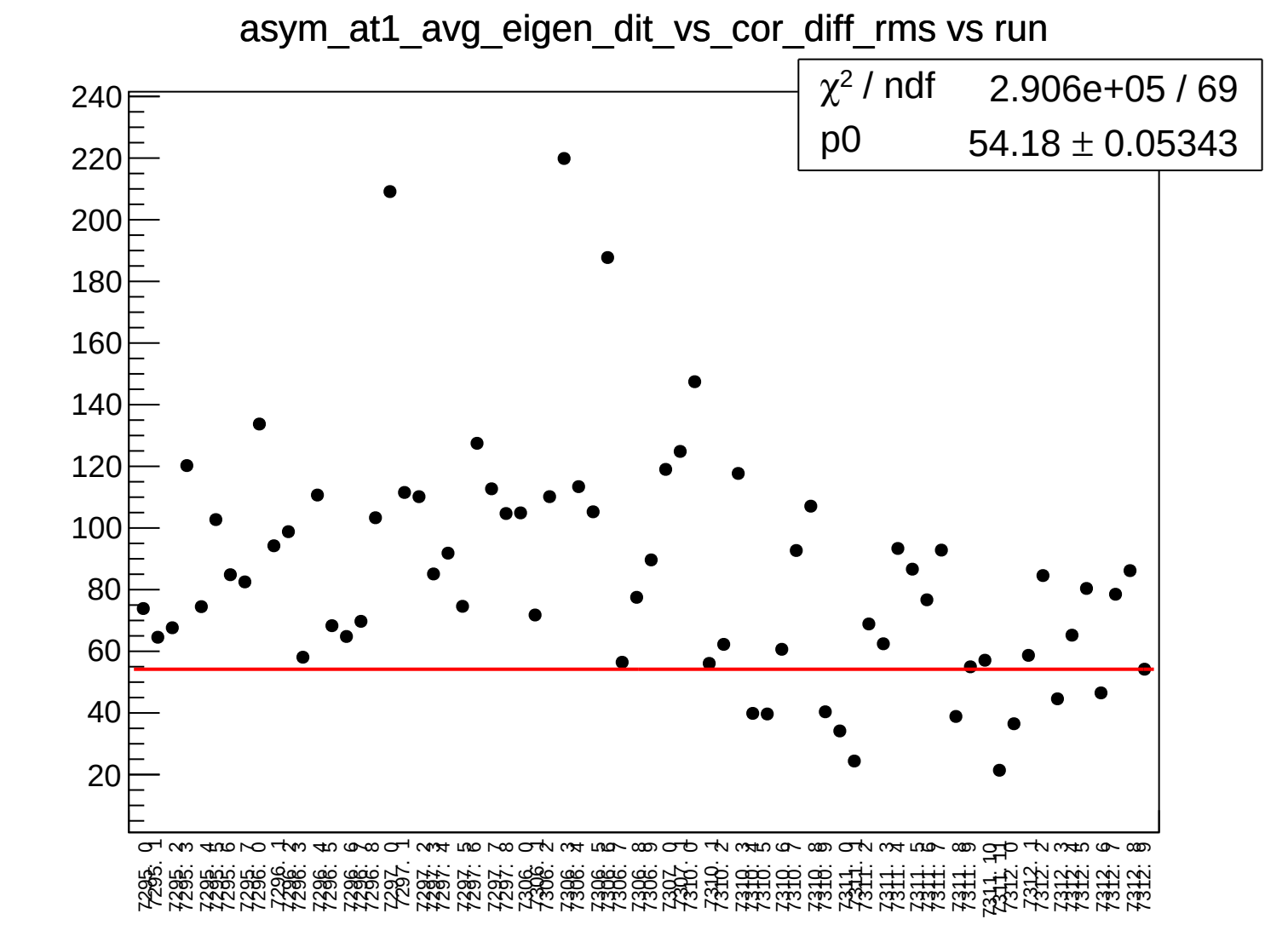

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.81 / 69
p0 −8.804e−07 ± 1.089e−06
pull
Entries 70
Mean 379.2
Std Dev 0

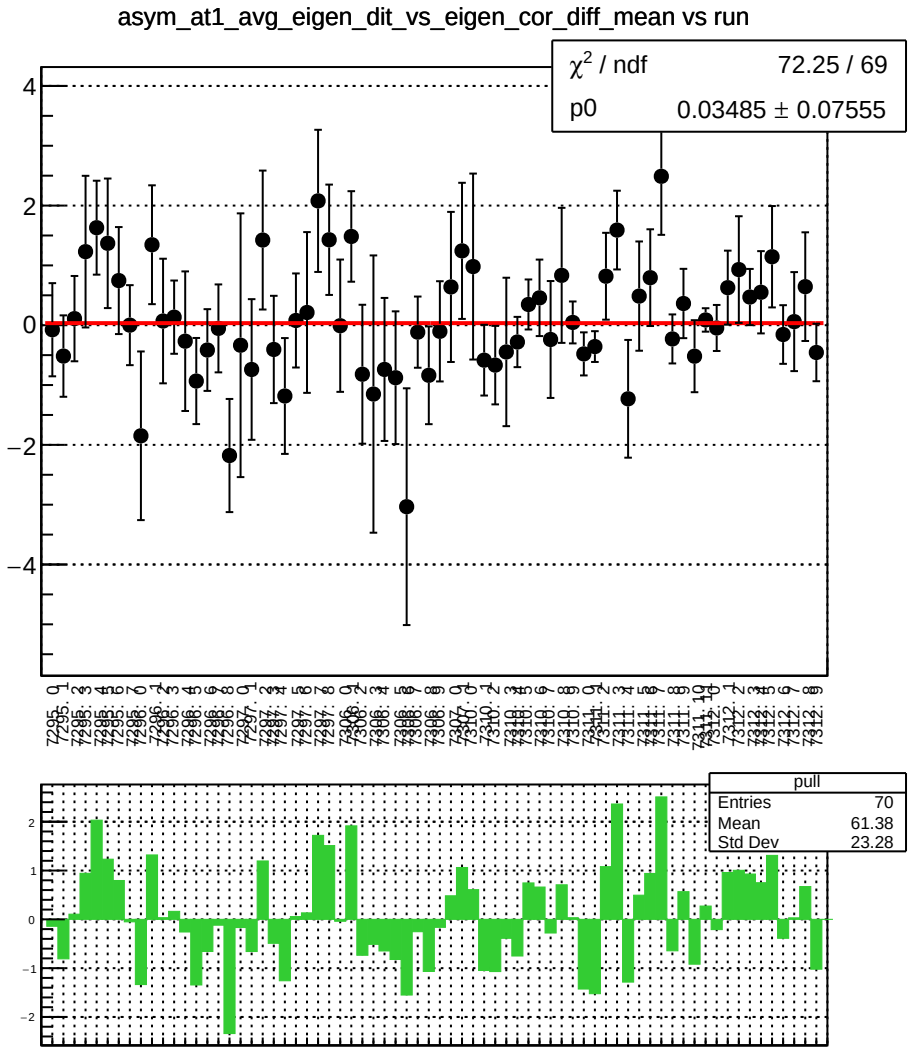

pull1D
Entries 70
Mean −0.007118
Std Dev 0.9914

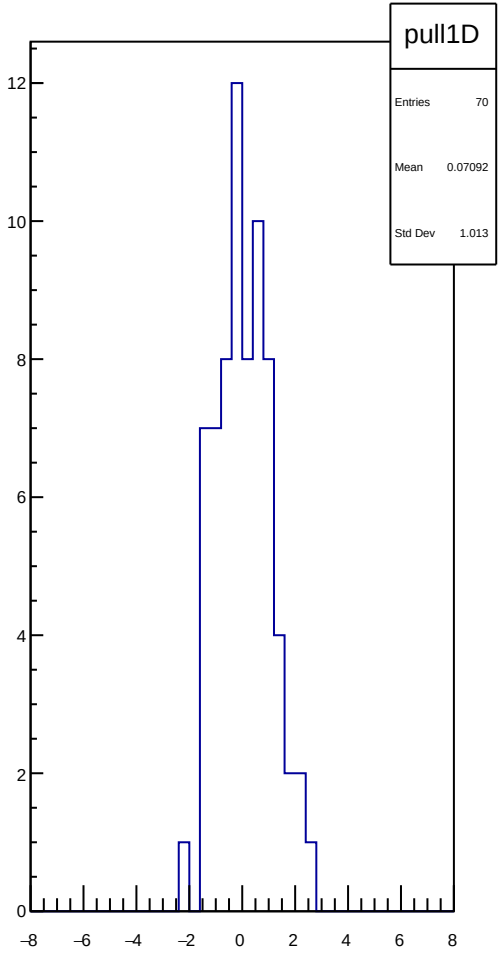

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.163e+04 / 69
p0 0.0008774 ± 7.703e−07
0.0016
0.0014
0.0012
0.001
0.0008

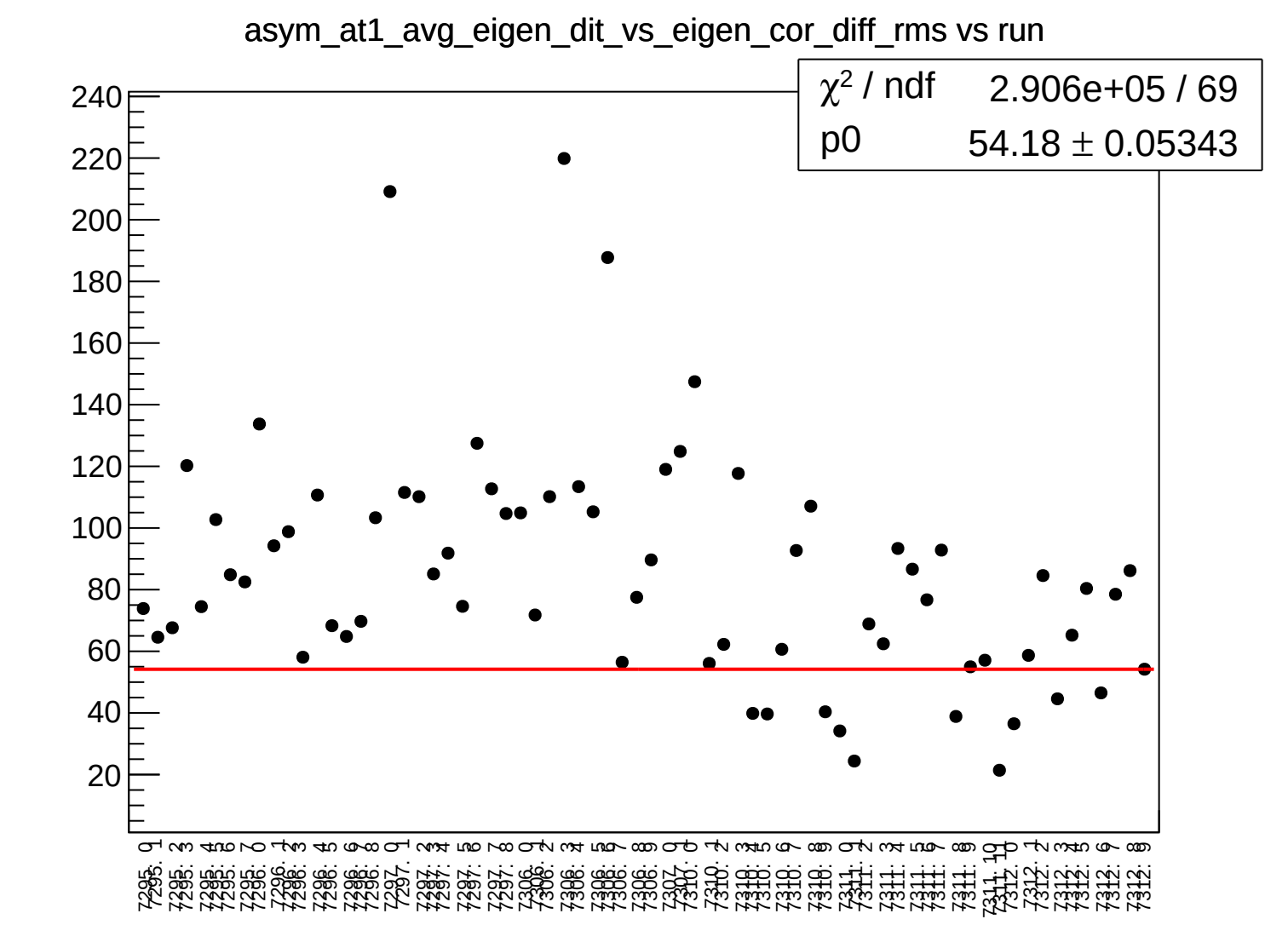

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.25 / 69
p0 0.03485 ± 0.07555
pull
Entries 70
Mean 61.38
Std Dev 23.28

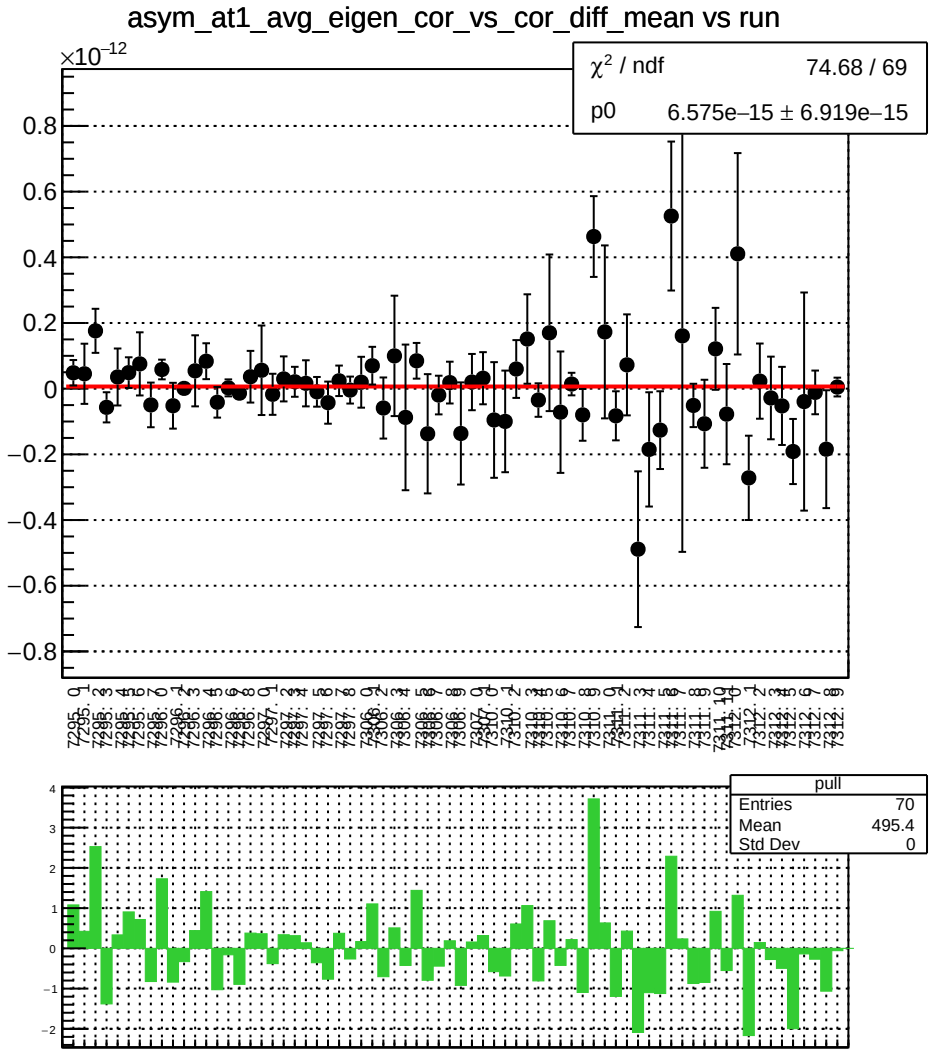

pull1D
Entries 70
Mean 0.07092
Std Dev 1.013

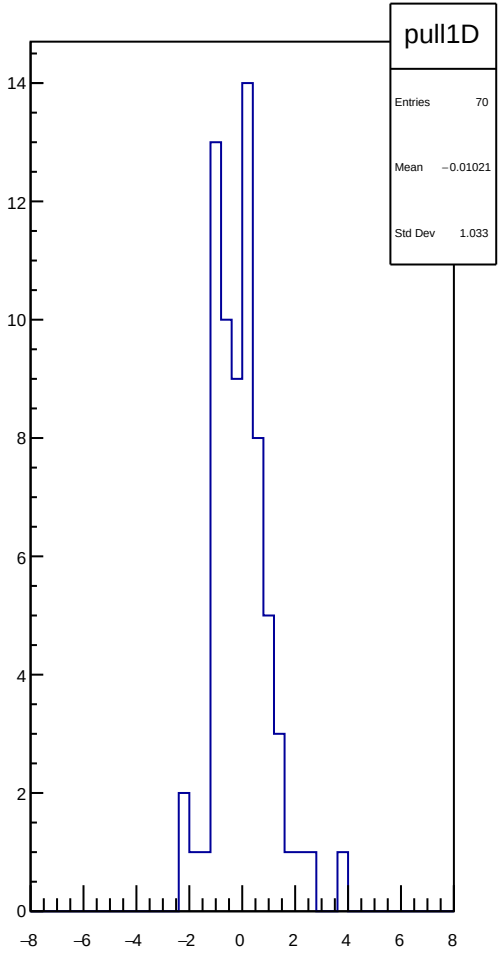

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.906e+05 / 69
p0 54.18 ± 0.05343
240
220
200
180
160
140
120
100
80
60
40
20

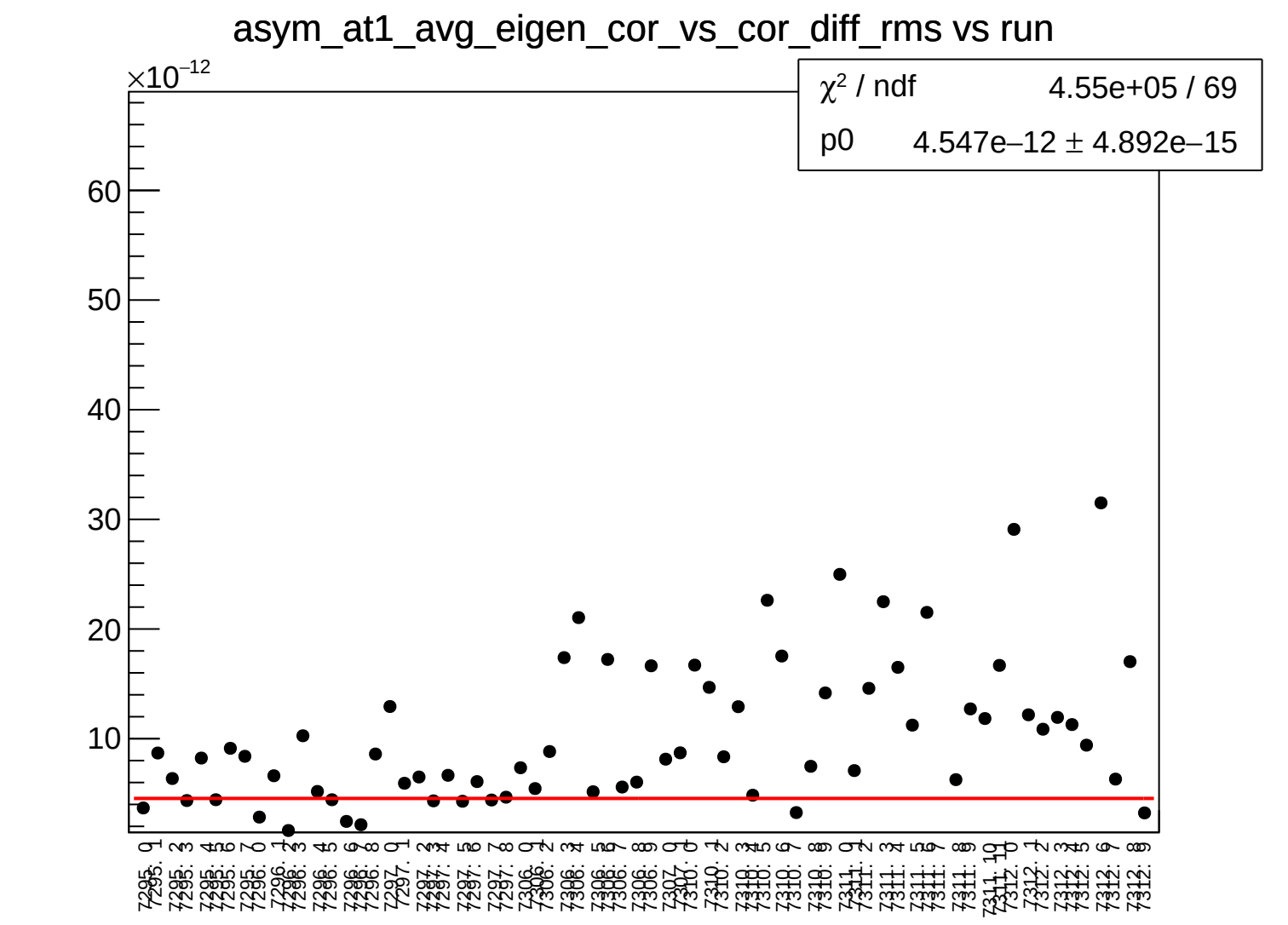

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.25 / 69
p0 0.03485 ± 0.07555
pull
Entries 70
Mean 61.38
Std Dev 23.28

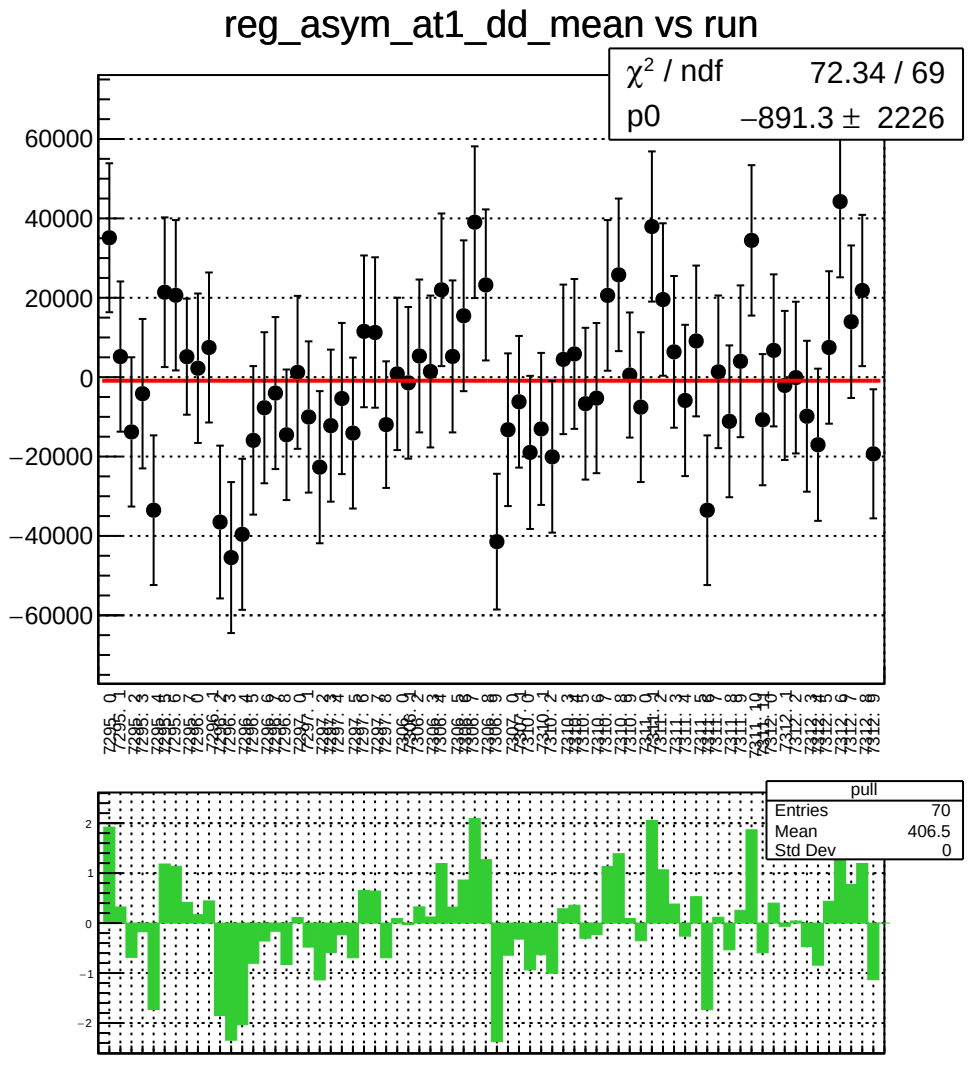

pull1D
Entries 70
Mean 0.07092
Std Dev 1.013

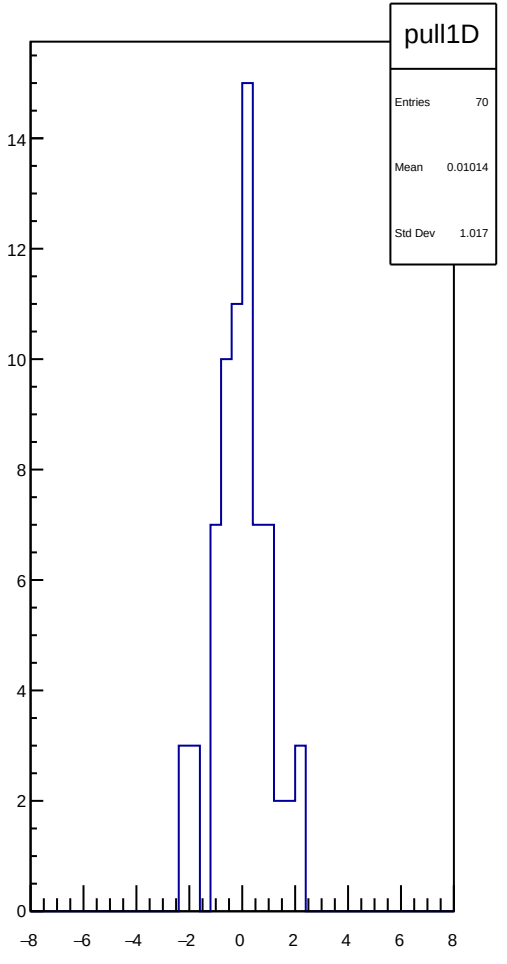

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.906e+05 / 69
p0 54.18 ± 0.05343
240
220
200
180
160
140
120
100
80
60
40
20

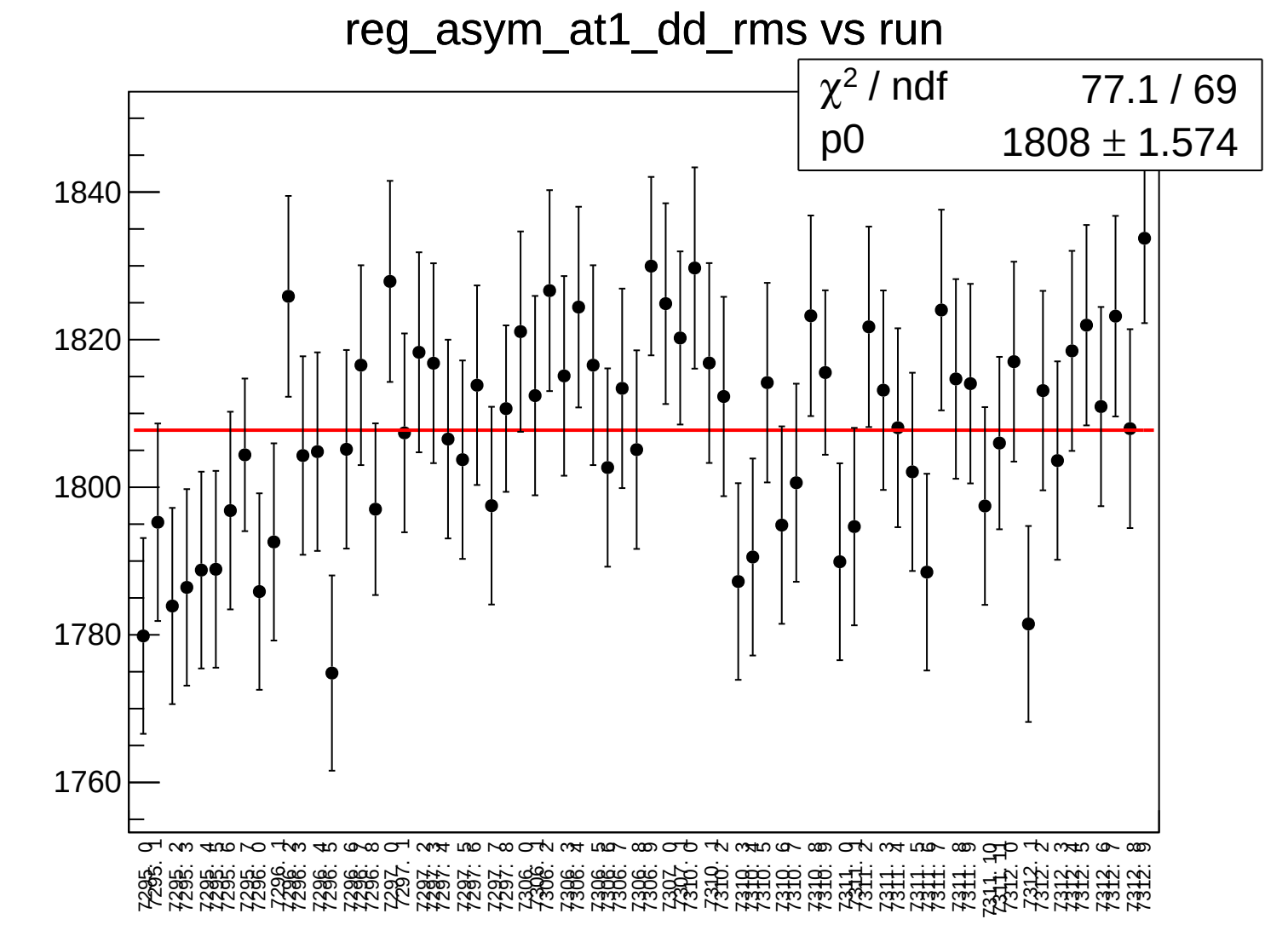

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.68 / 69
p0 6.575e−15 ± 6.919e−15
pull
Entries 70
Mean 495.4
Std Dev 0

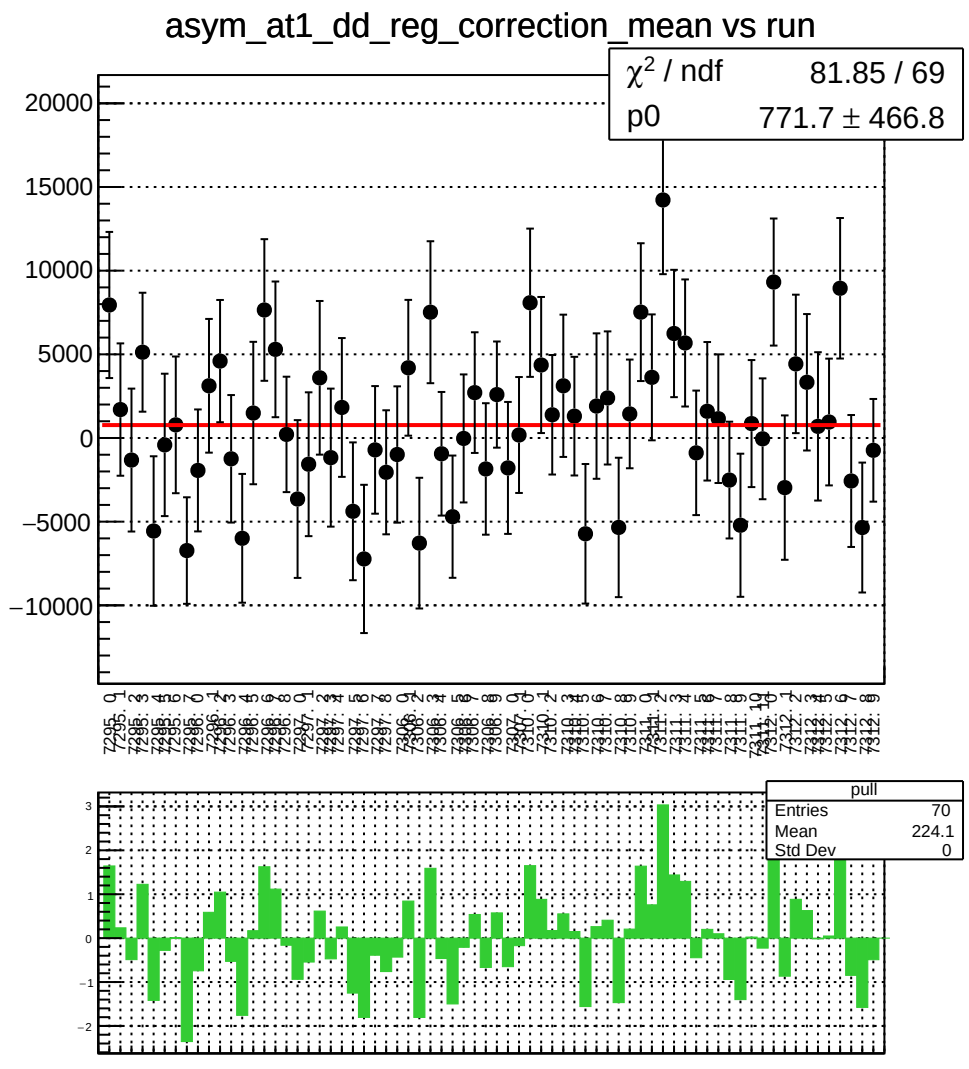

pull1D
Entries 70
Mean −0.01021
Std Dev 1.033

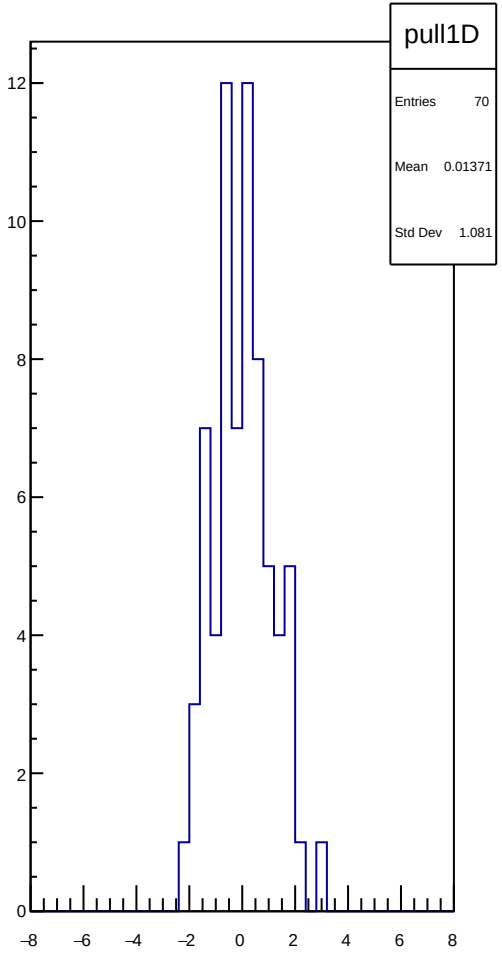

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.55e+05 / 69
p0 4.547e−12 ± 4.892e−15
60
50
40
30
20
10

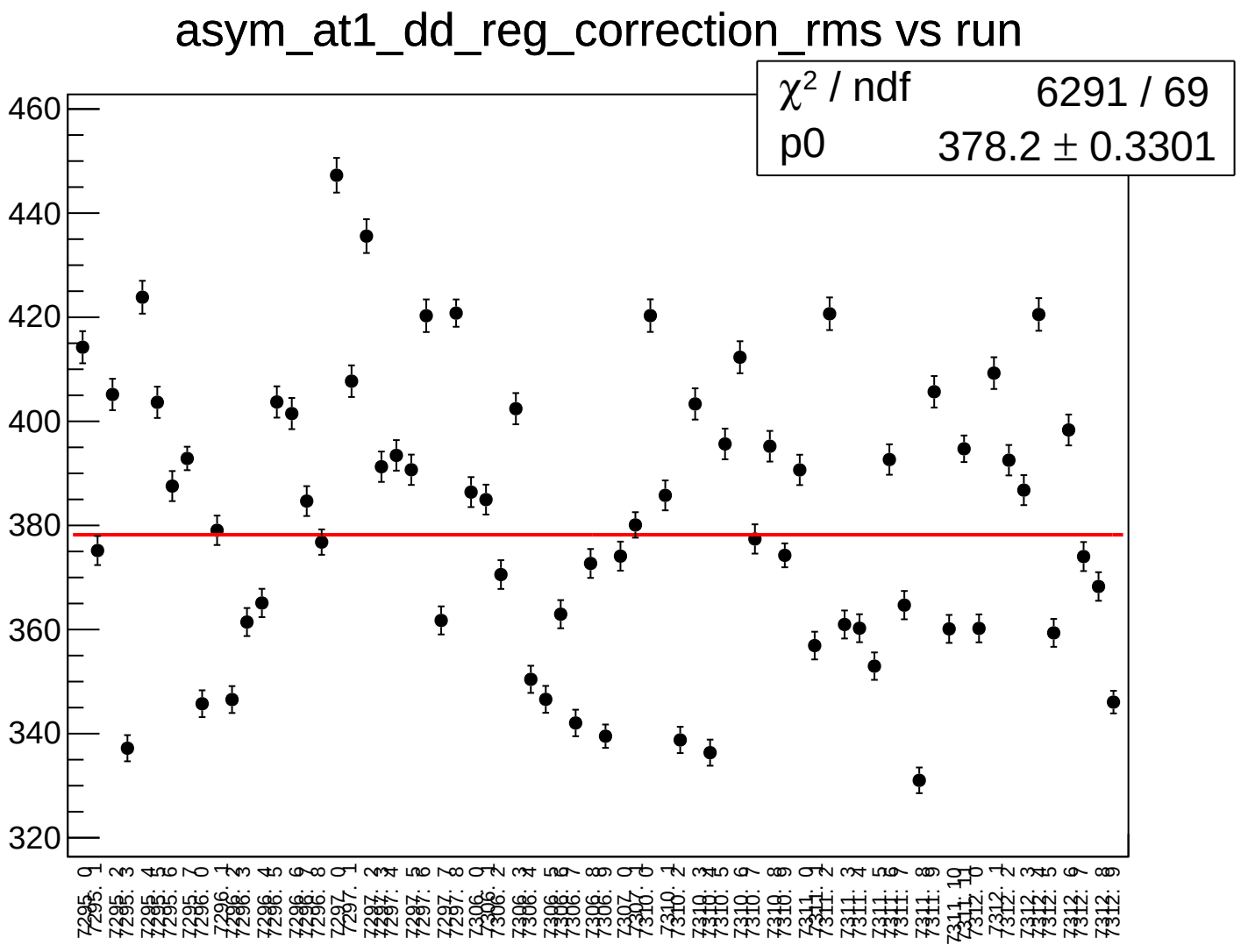

reg_asym_at1_dd_mean vs run
χ² / ndf 72.34 / 69
p0 −891.3 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 406.5
Std Dev 0
2
1
0
−1
−2

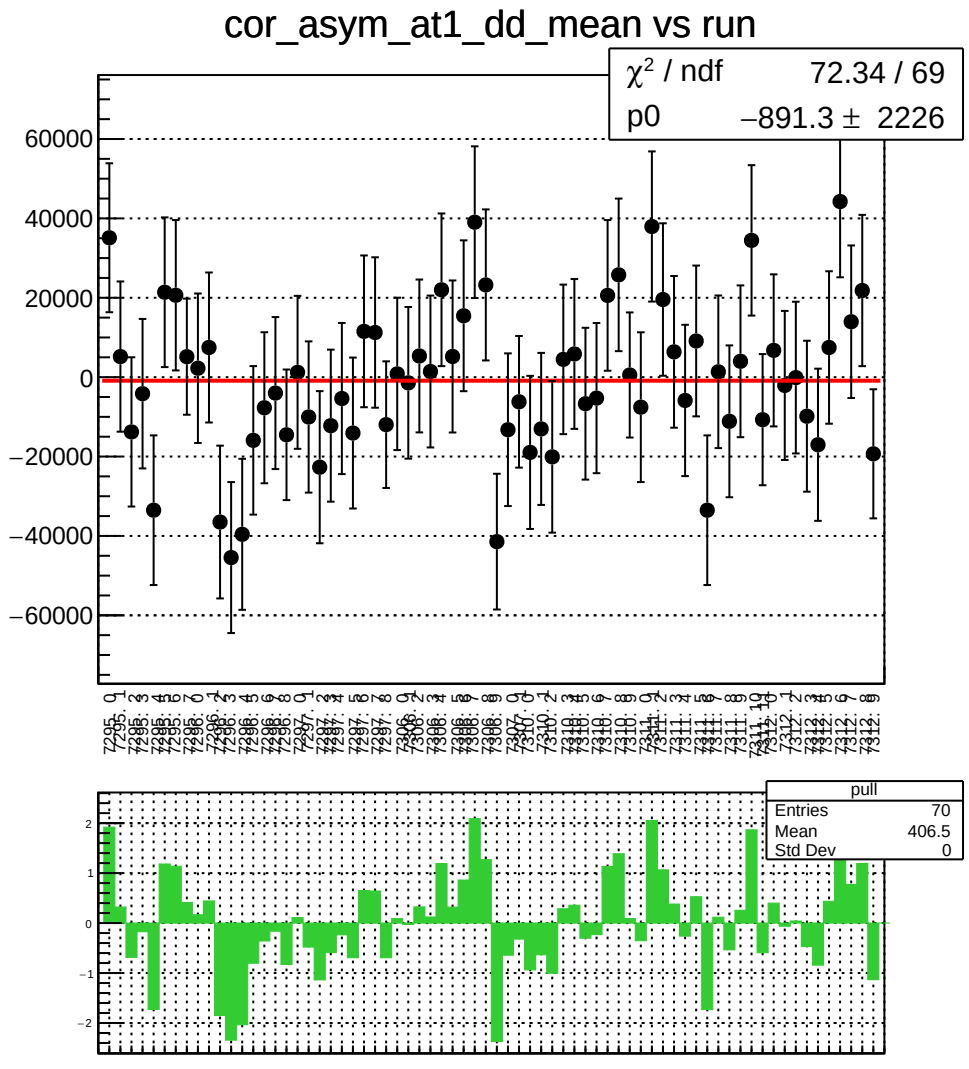

pull1D
Entries 70
Mean 0.01014
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

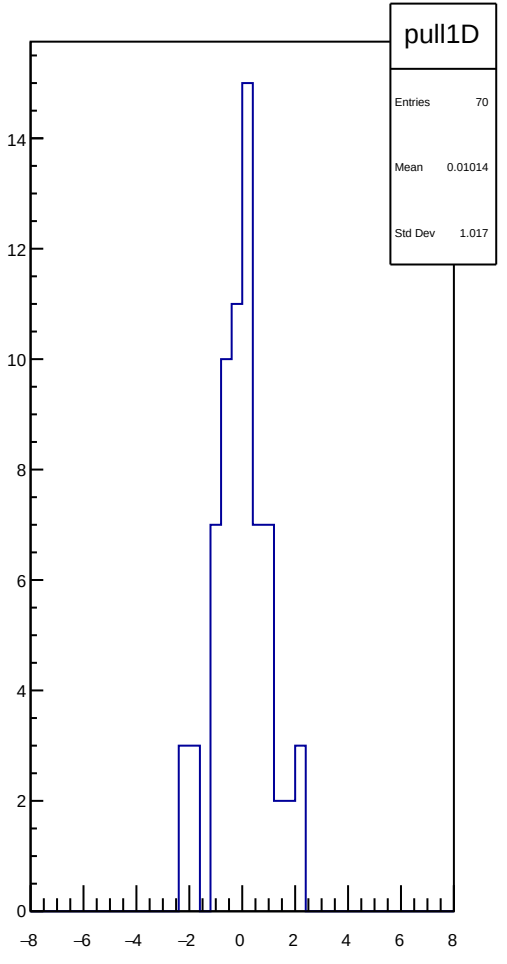

reg_asym_at1_dd_rms vs run
χ^2 / ndf 77.1 / 69
p0 1808 ± 1.574
1840
1820
1800
1780
1760

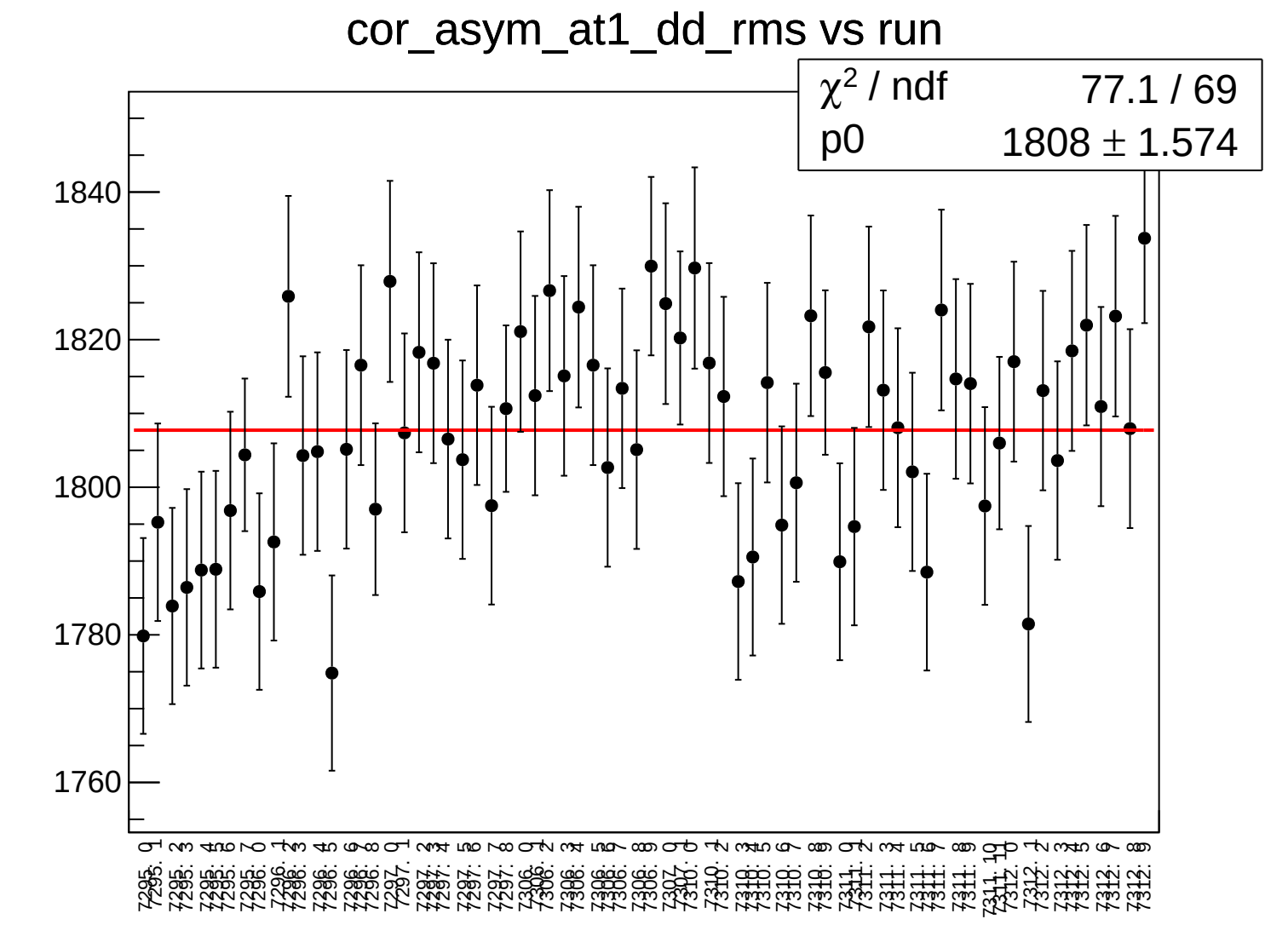

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 81.85 / 69
p0 771.7 ± 466.8
pull
Entries 70
Mean 224.1
Std Dev 0

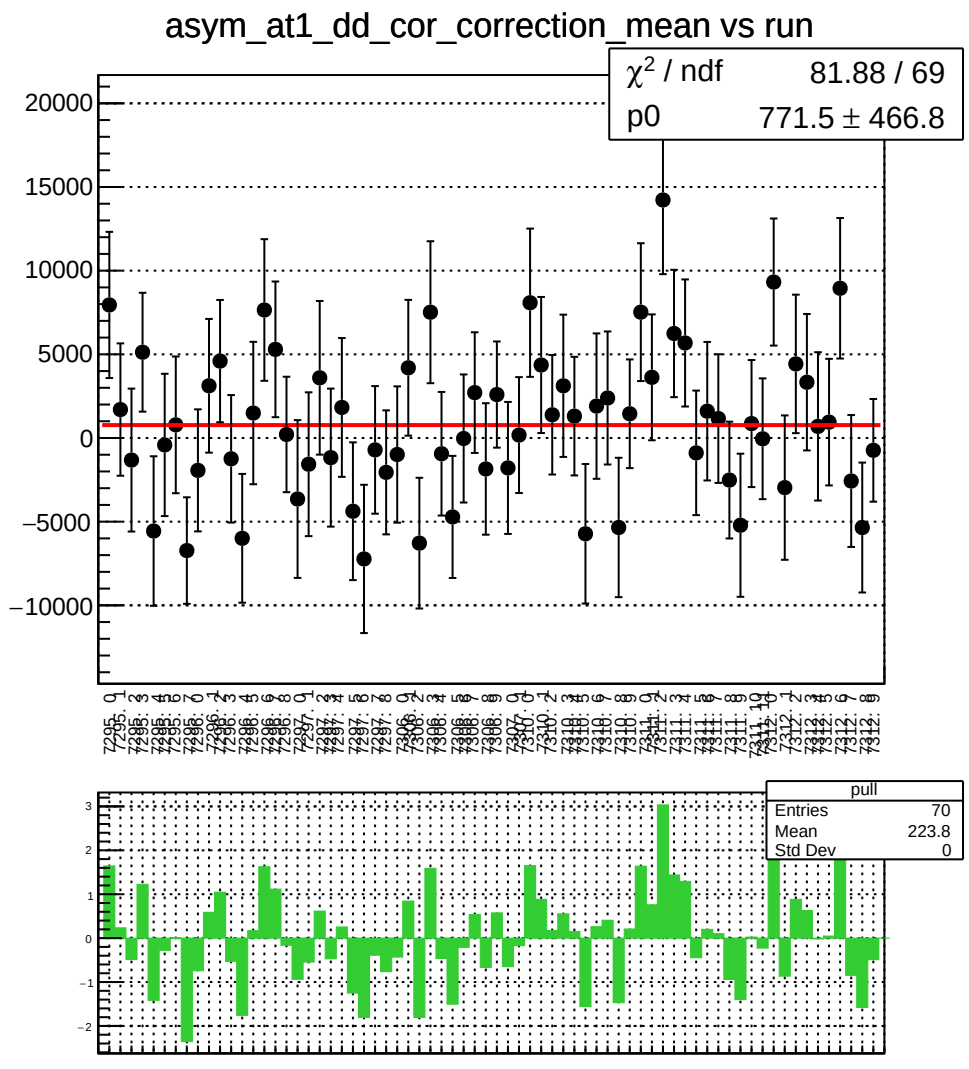

pull1D
Entries 70
Mean 0.01371
Std Dev 1.081

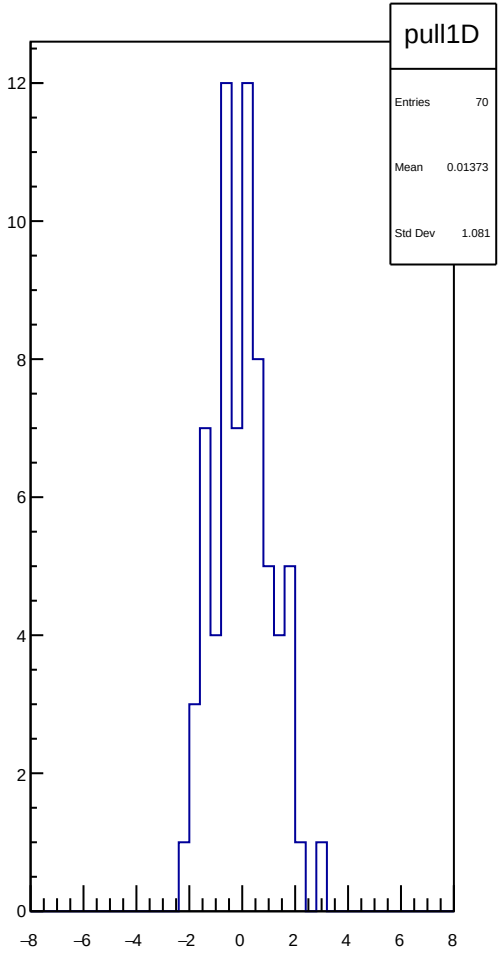

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6291 / 69
p0 378.2 ± 0.3301
460
440
420
400
380
360
340
320

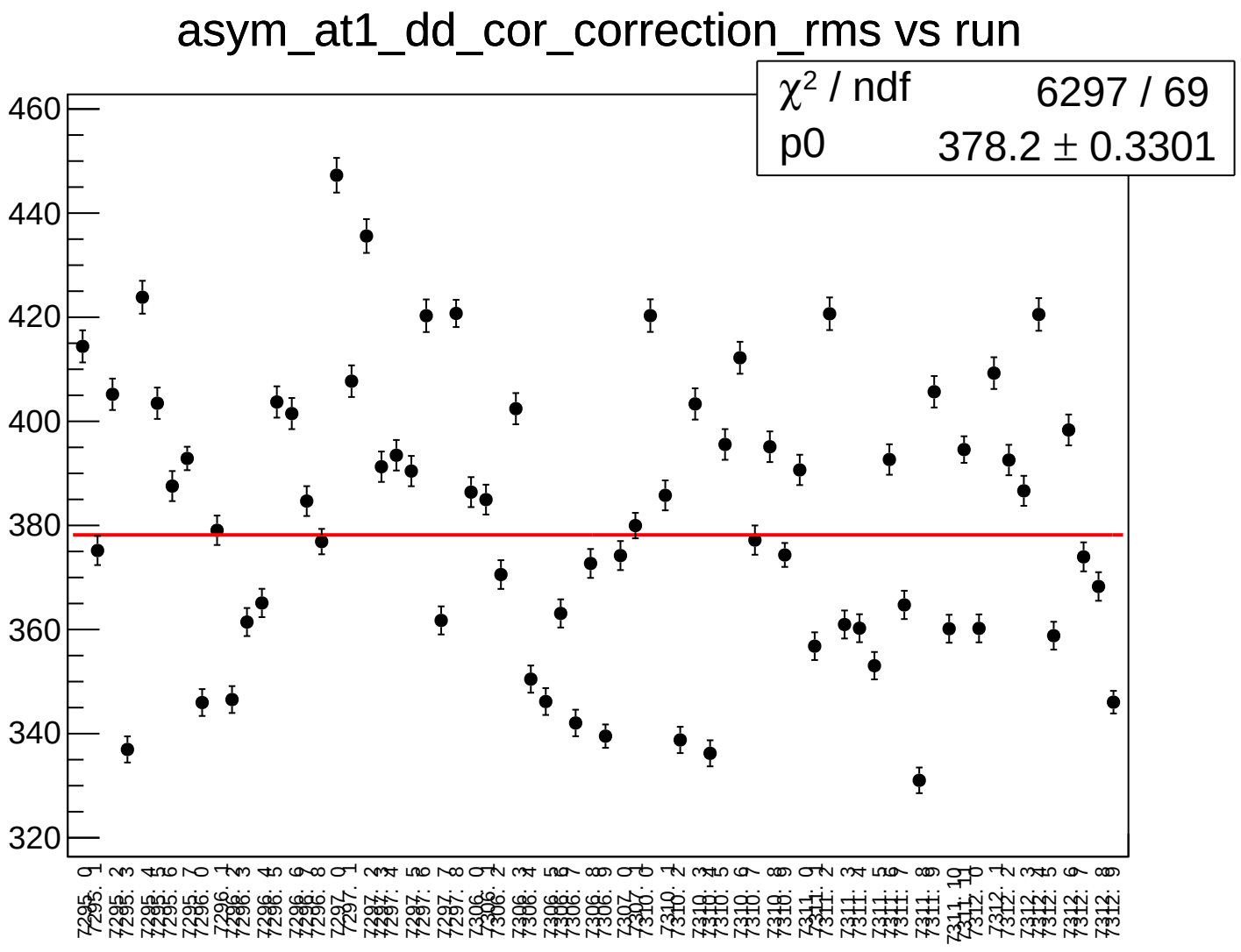

cor_asym_at1_dd_mean vs run
χ² / ndf 72.34 / 69
p0 −891.3 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 406.5
Std Dev 0
2
1
0
−1
−2

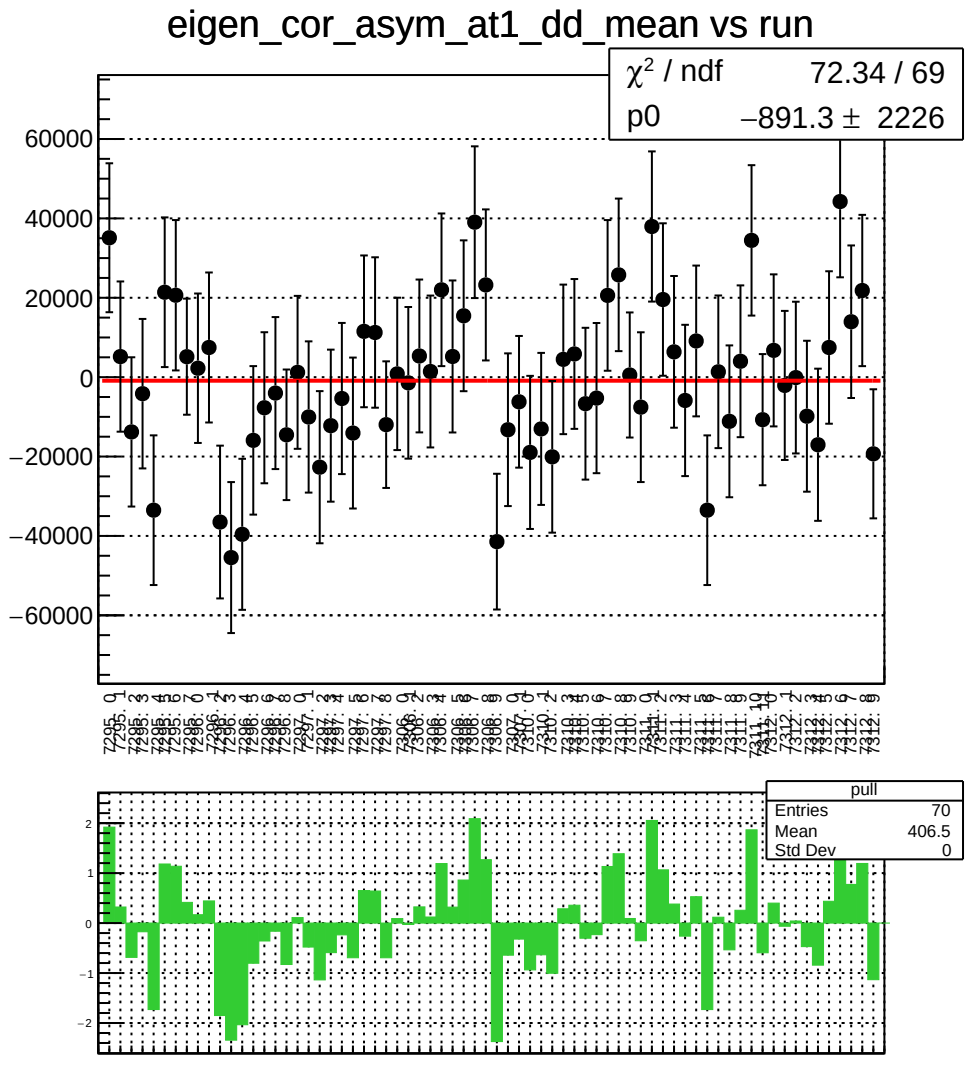

pull1D
Entries 70
Mean 0.01014
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

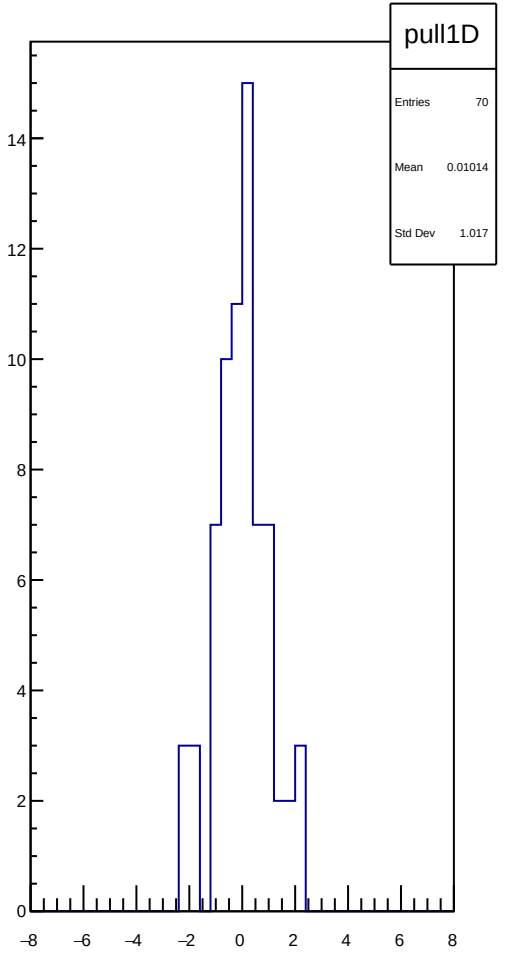

cor_asym_at1_dd_rms vs run
χ² / ndf 77.1 / 69
p0 1808 ± 1.574
1840
1820
1800
1780
1760

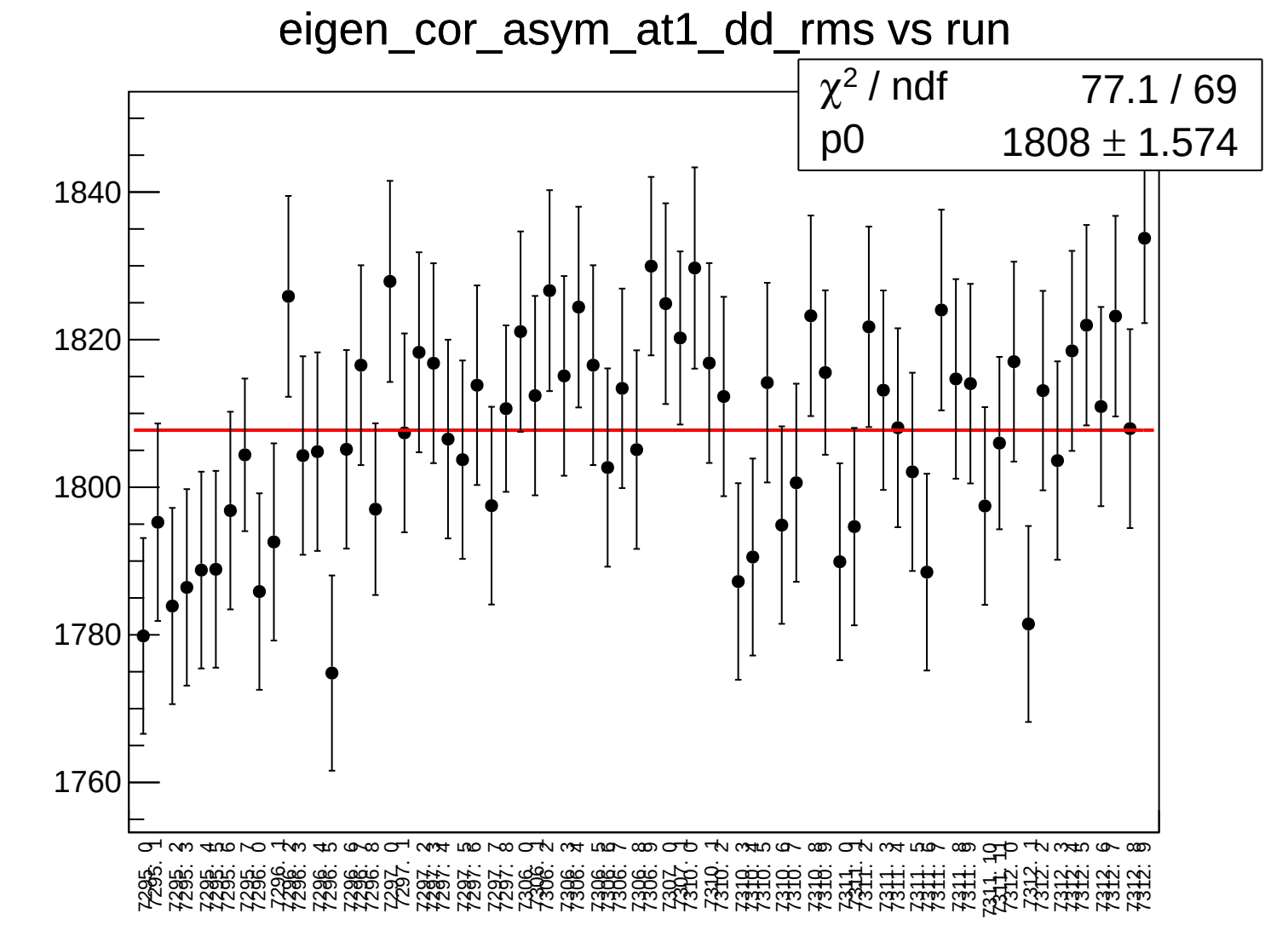

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 81.88 / 69
p0 771.5 ± 466.8
pull
Entries 70
Mean 223.8
Std Dev 0

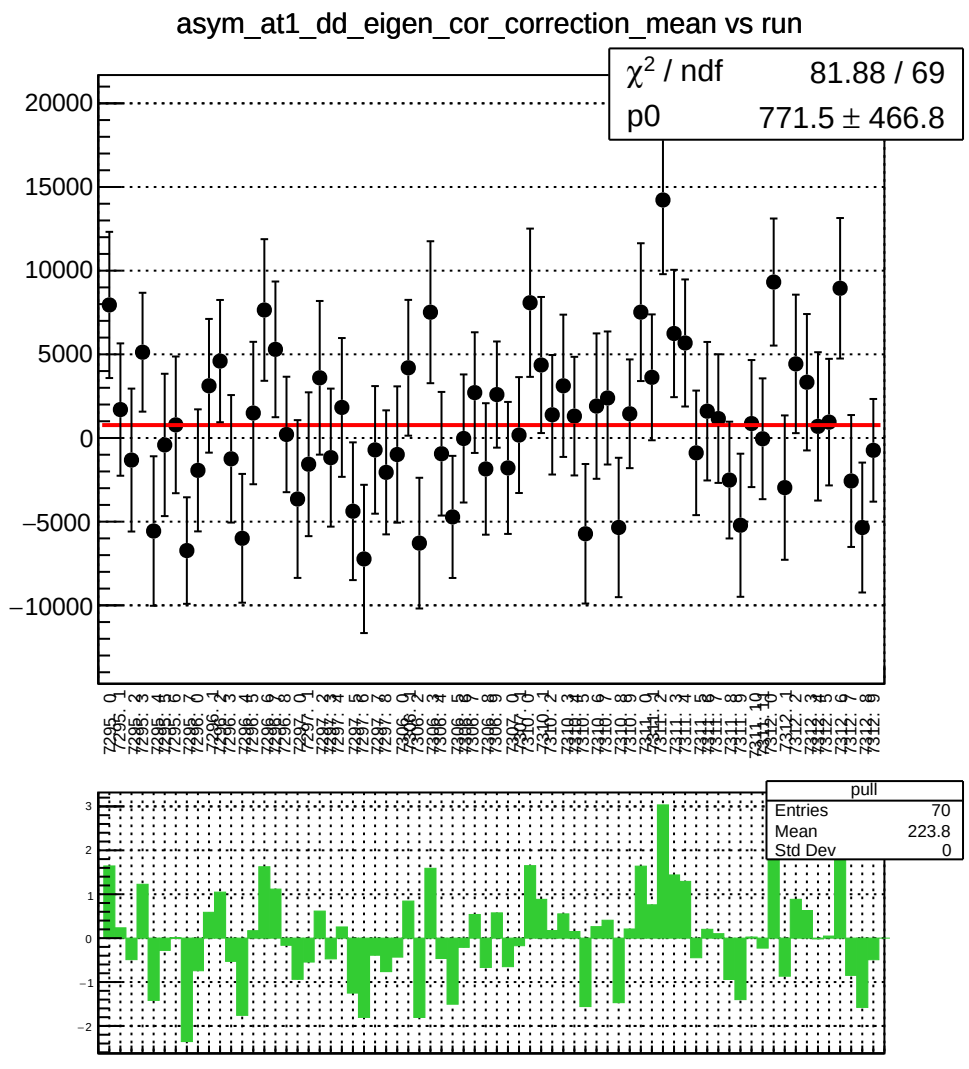

pull1D
Entries 70
Mean 0.01373
Std Dev 1.081

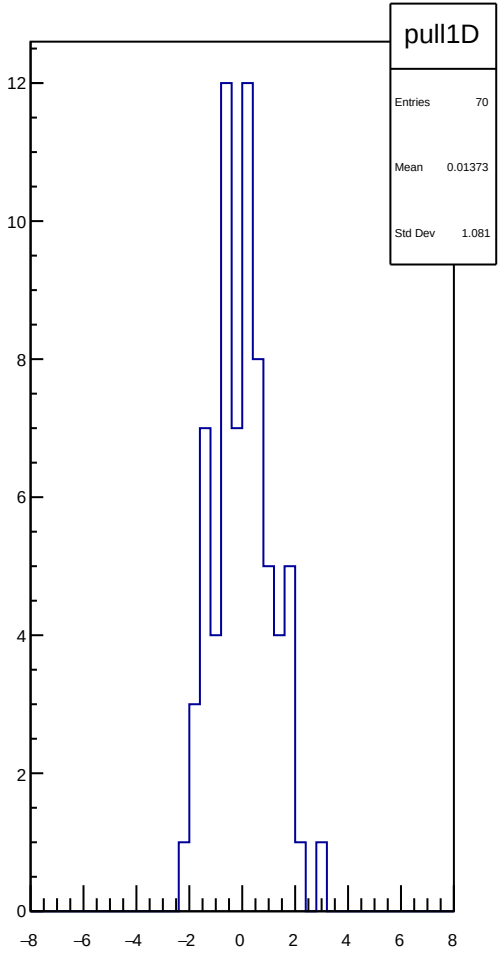

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6297 / 69
p0 378.2 ± 0.3301
460
440
420
400
380
360
340
320

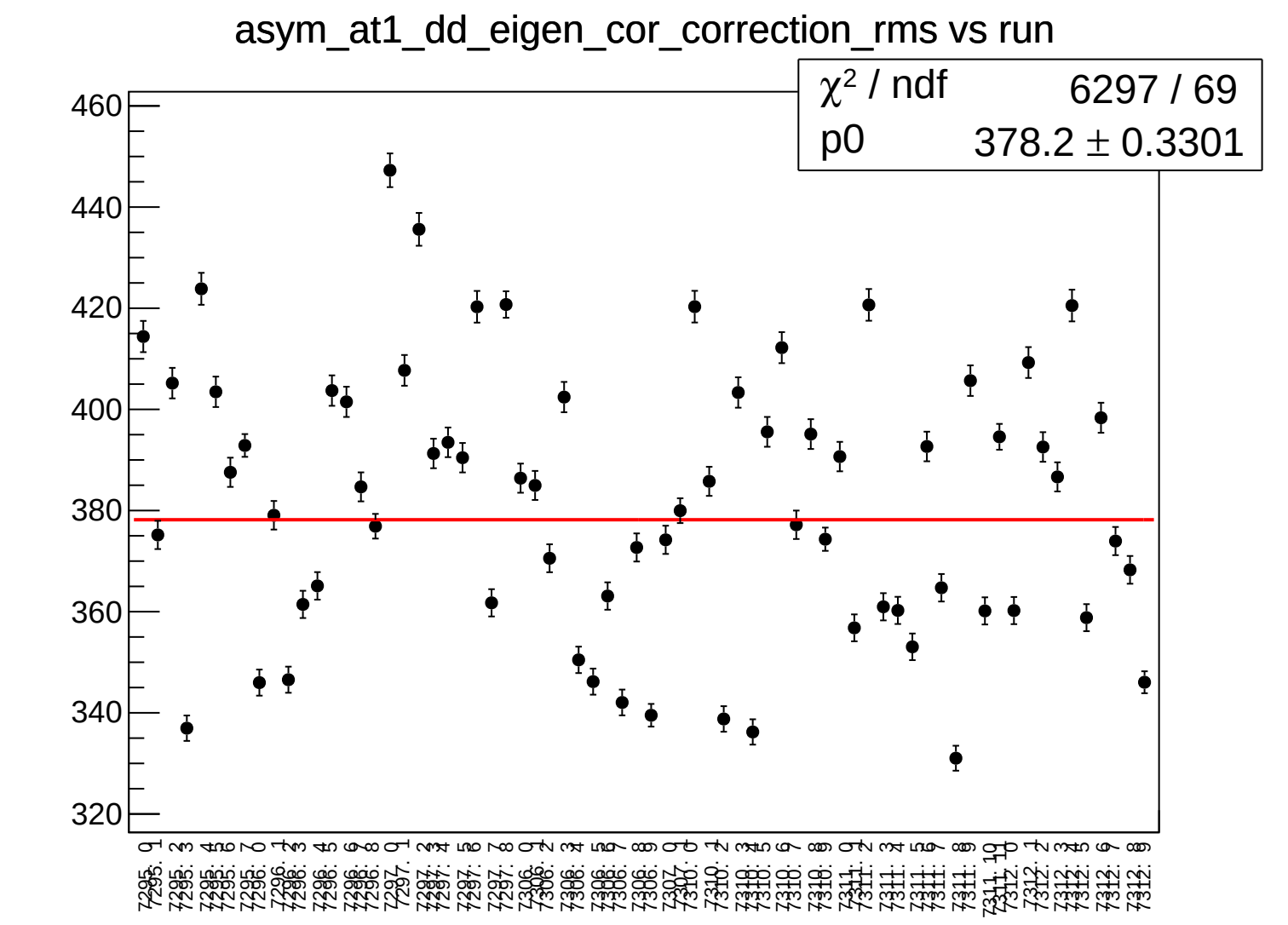

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 72.34 / 69
p0 −891.3 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 406.5
Std Dev 0
2
1
0
−1
−2

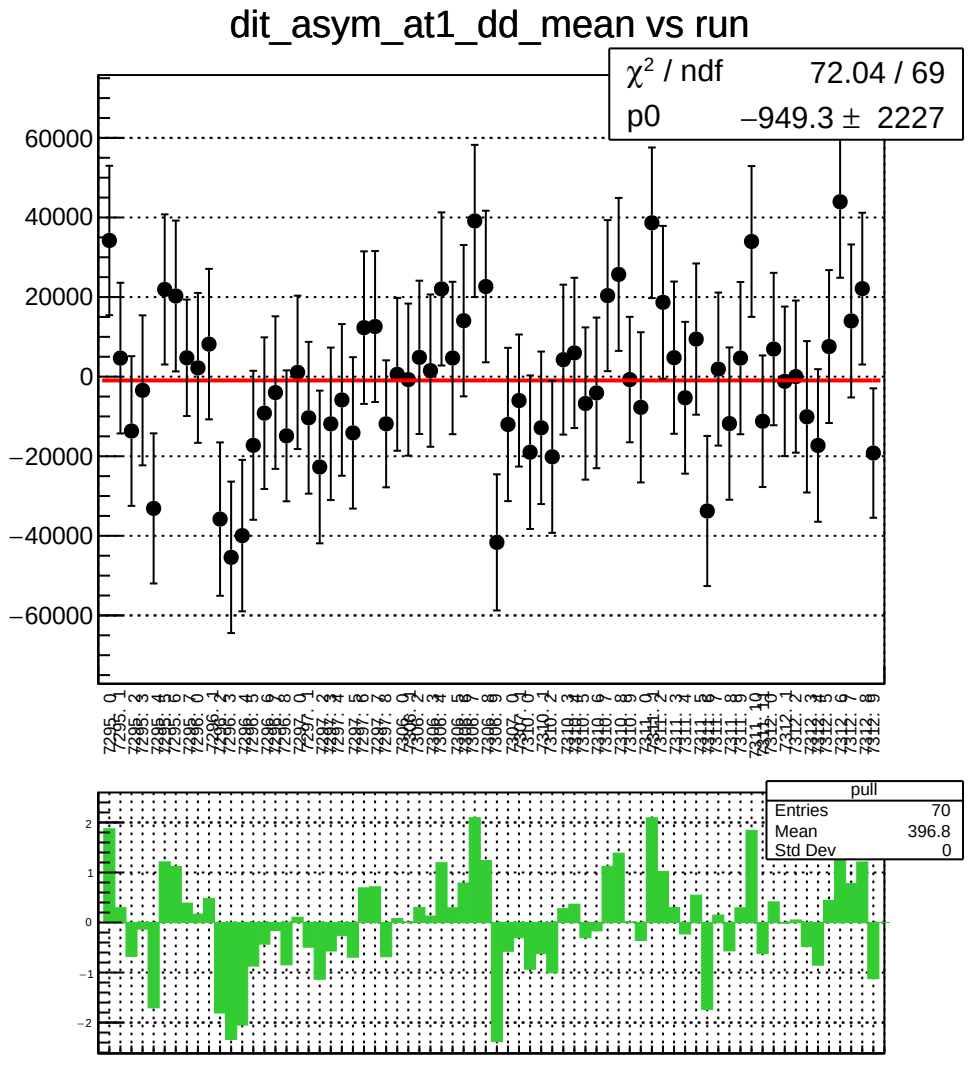

pull1D
Entries 70
Mean 0.01014
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

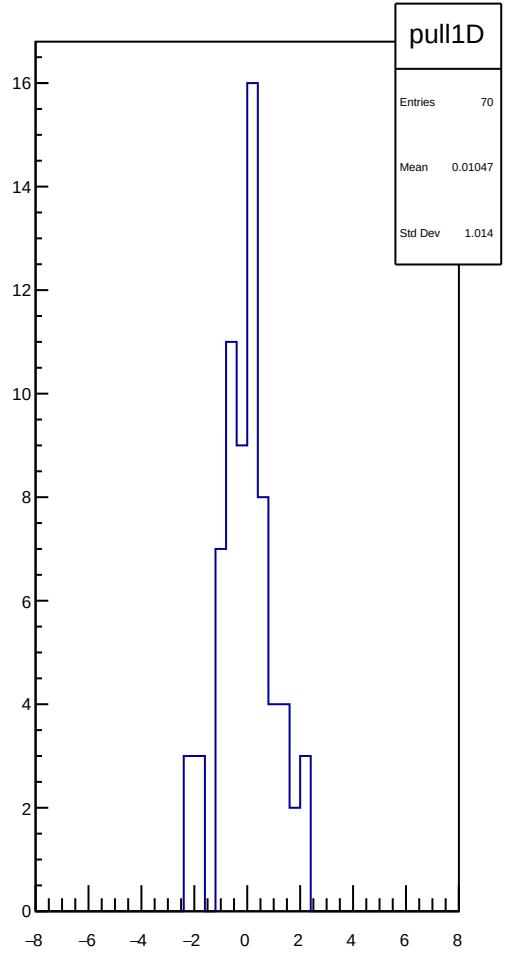

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 77.1 / 69
p0 1808 ± 1.574
1840
1820
1800
1780
1760

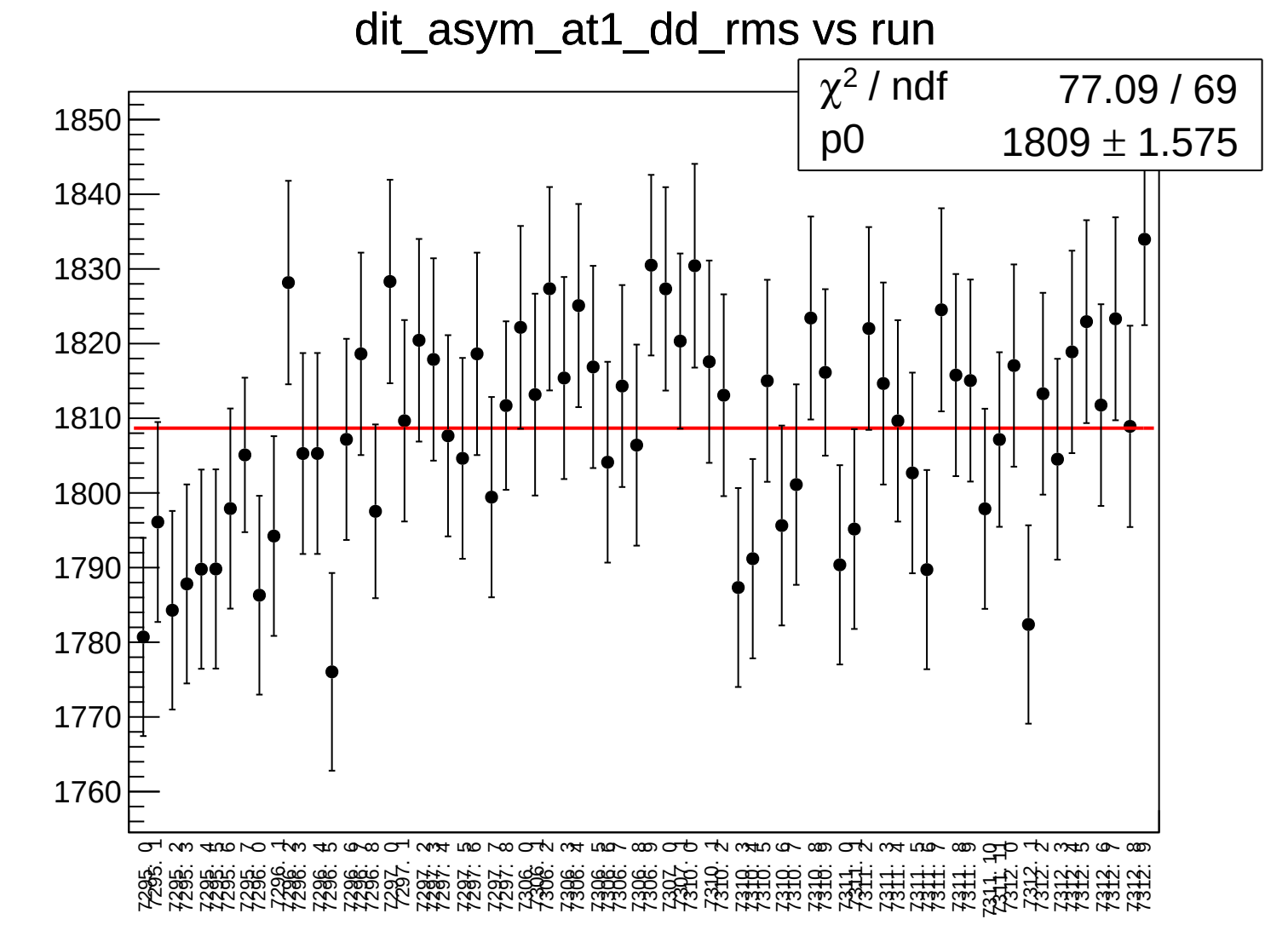

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.88 / 69
p0 771.5 ± 466.8
pull
Entries 70
Mean 223.8
Std Dev 0

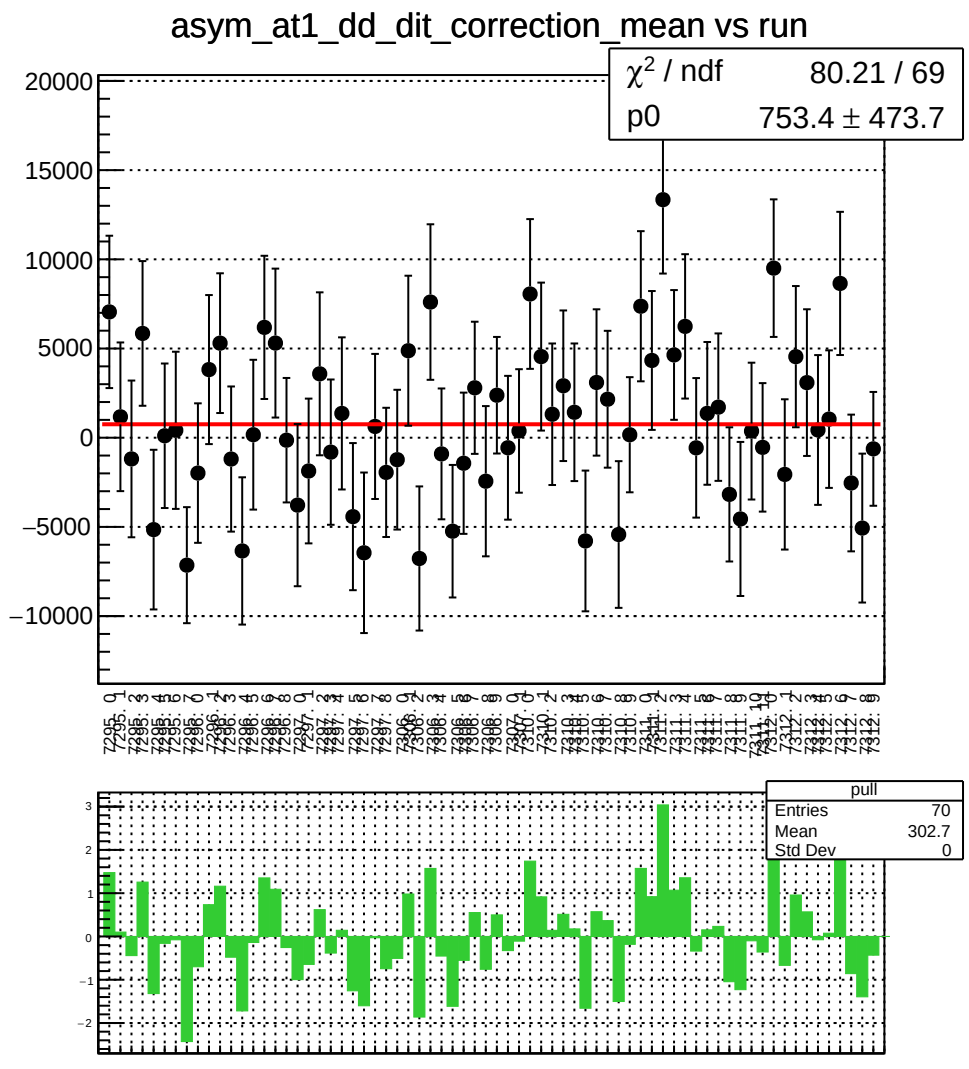

pull1D
Entries 70
Mean 0.01373
Std Dev 1.081

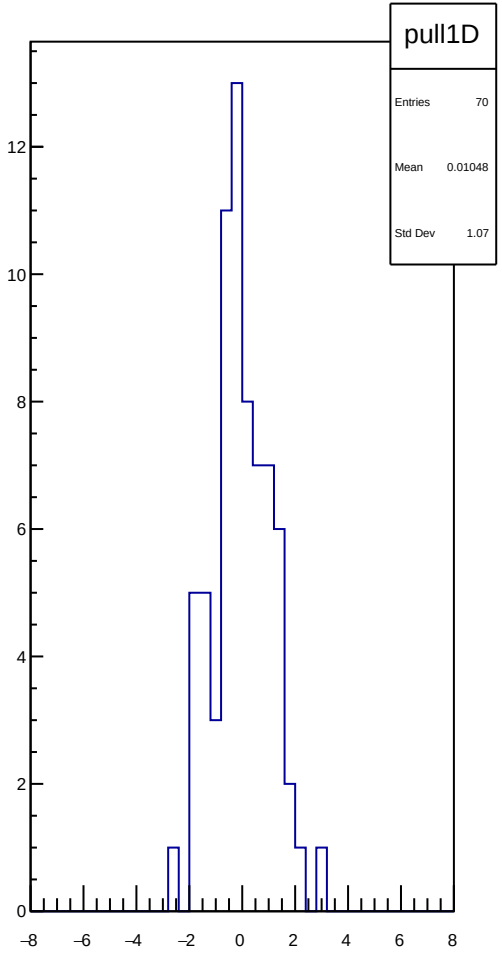

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6297 / 69
p0 378.2 ± 0.3301
460
440
420
400
380
360
340
320

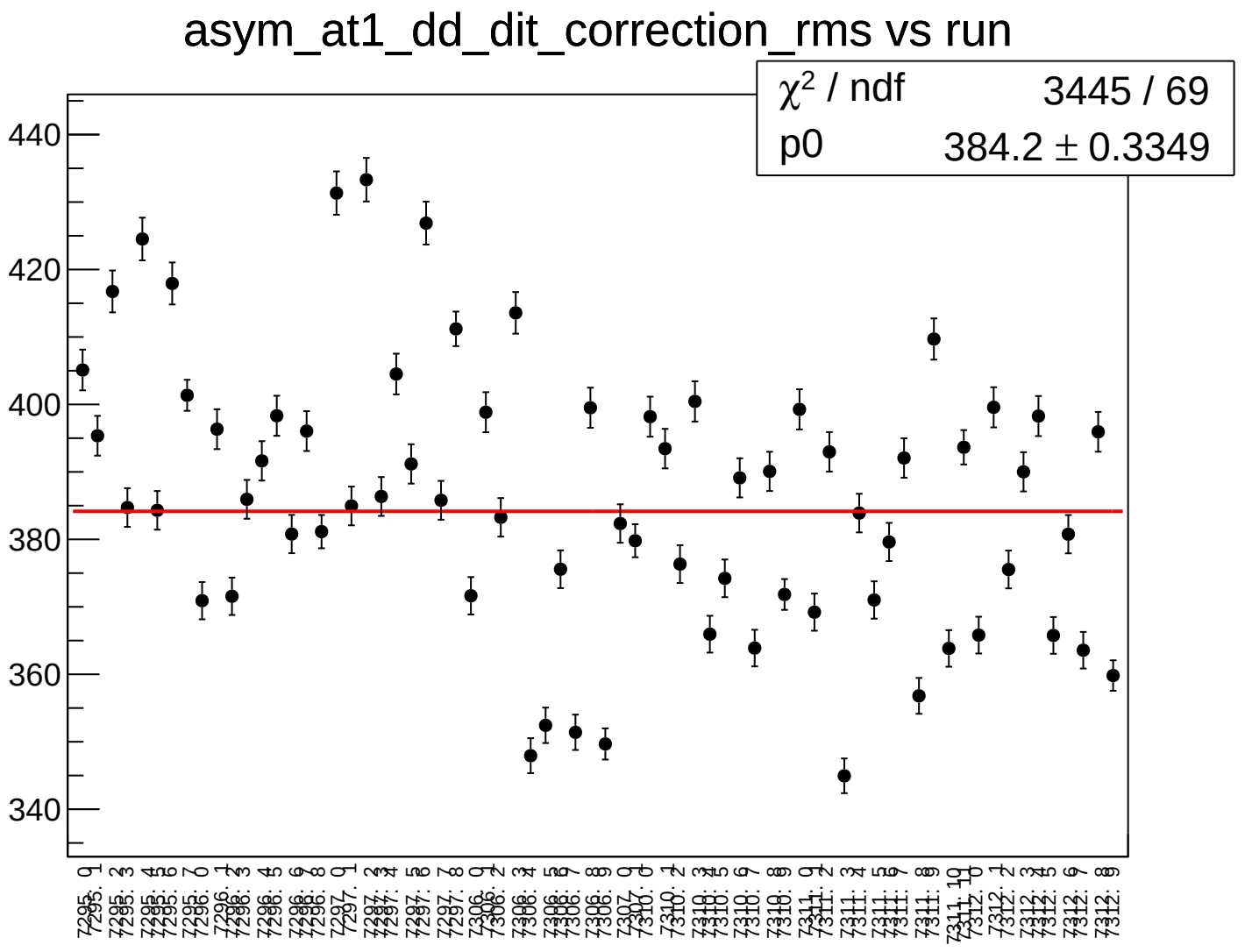

dit_asym_at1_dd_mean vs run
χ² / ndf 72.04 / 69
p0 −949.3 ± 2227
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 396.8
Std Dev 0
2
1
0
−1
−2

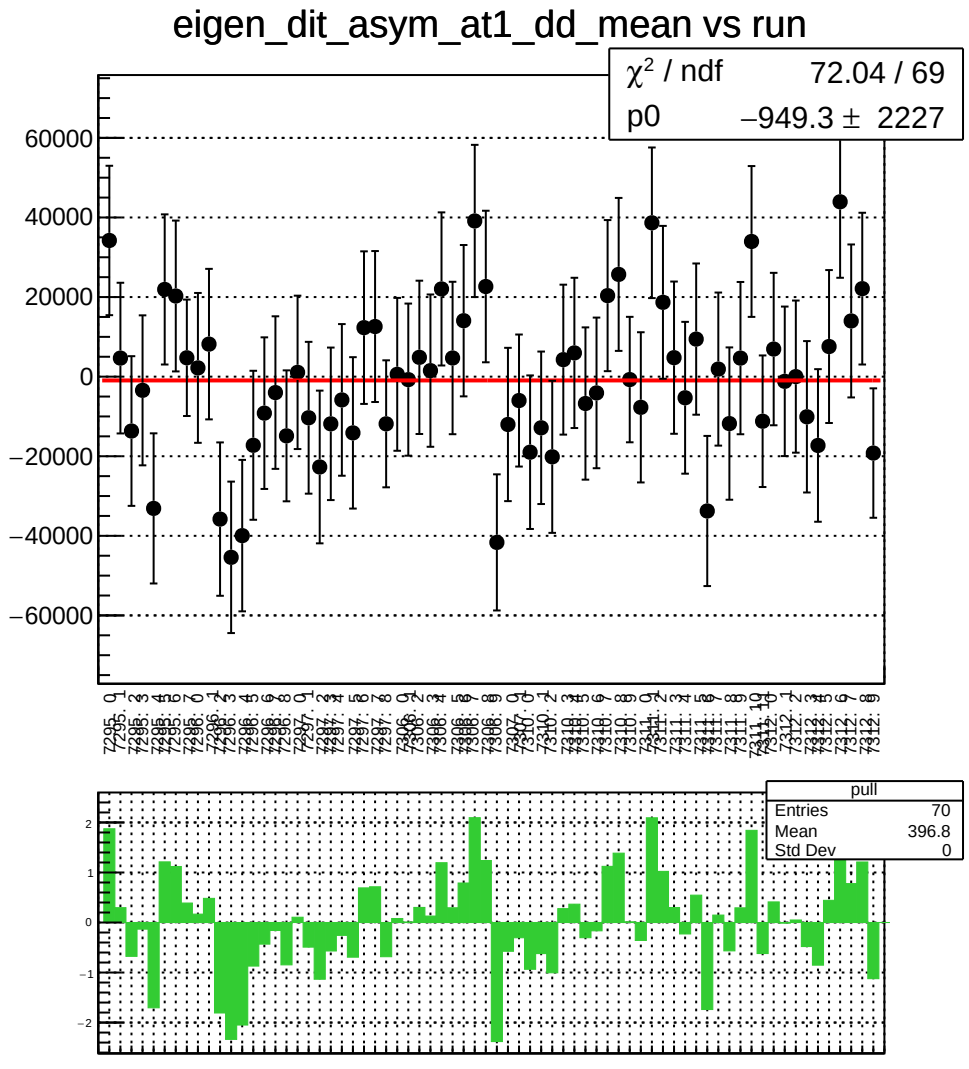

pull1D
Entries 70
Mean 0.01047
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

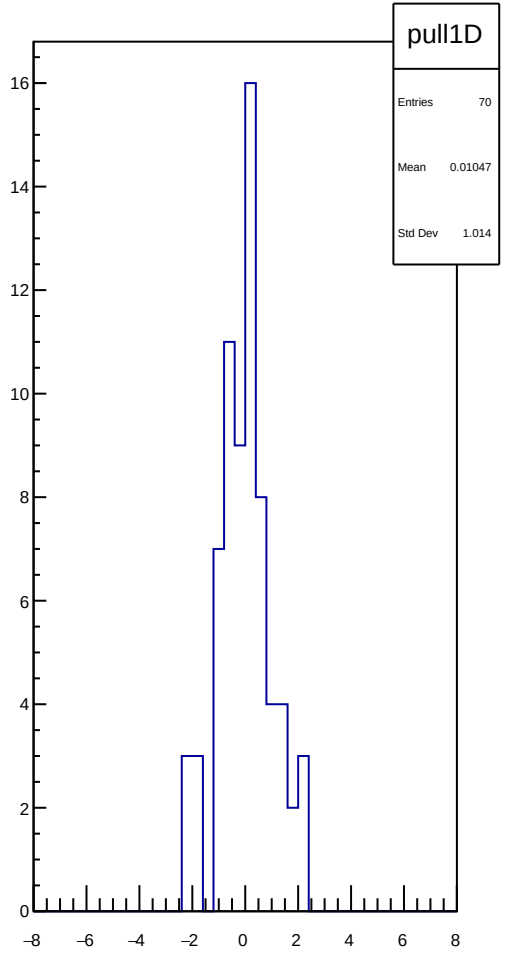

dit_asym_at1_dd_rms vs run
χ^2 / ndf 77.09 / 69
p0 1809 ± 1.575
1850
1840
1830
1820
1810
1800
1790
1780
1770
1760

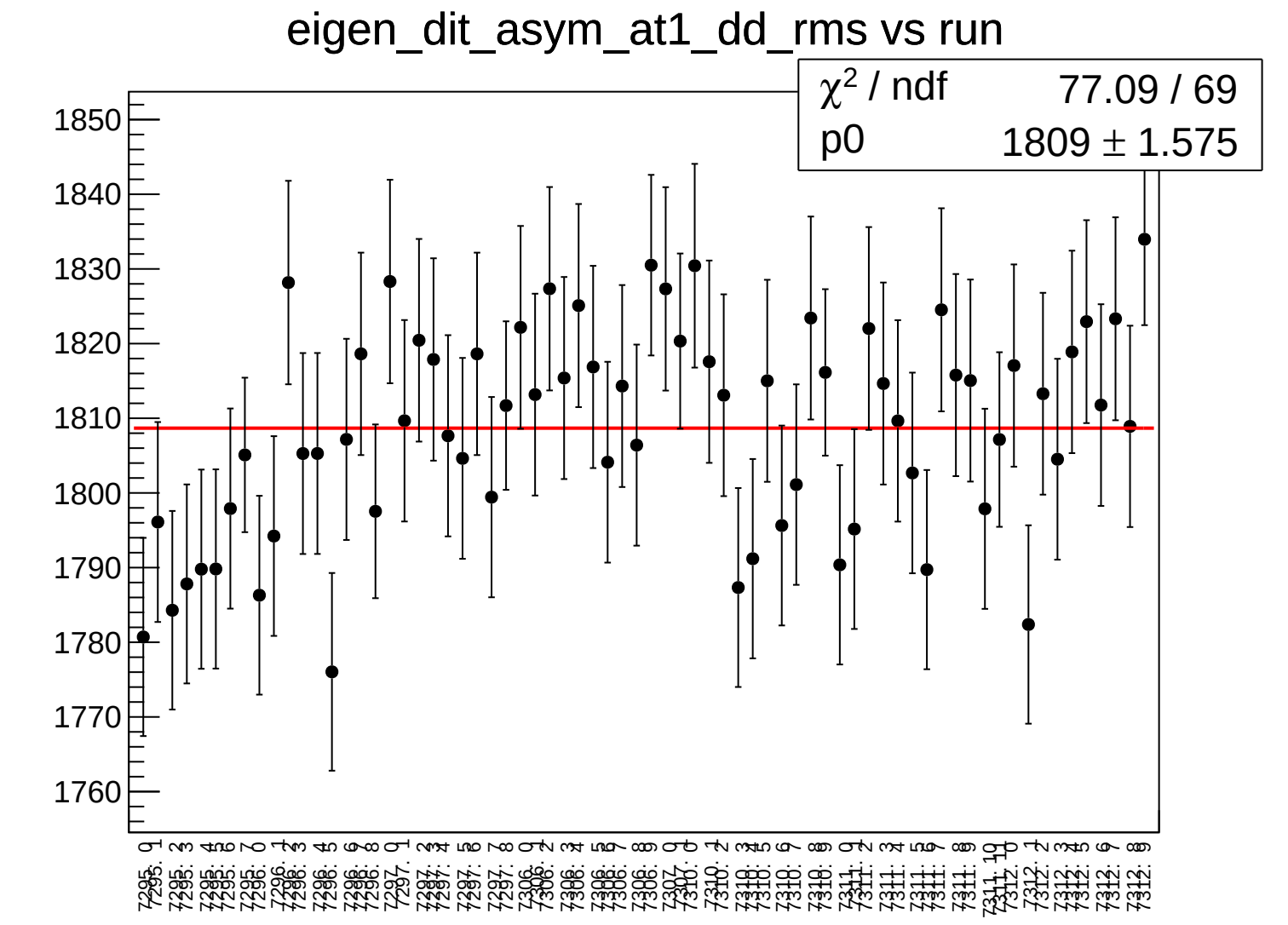

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 80.21 / 69
p0 753.4 ± 473.7
pull
Entries 70
Mean 302.7
Std Dev 0

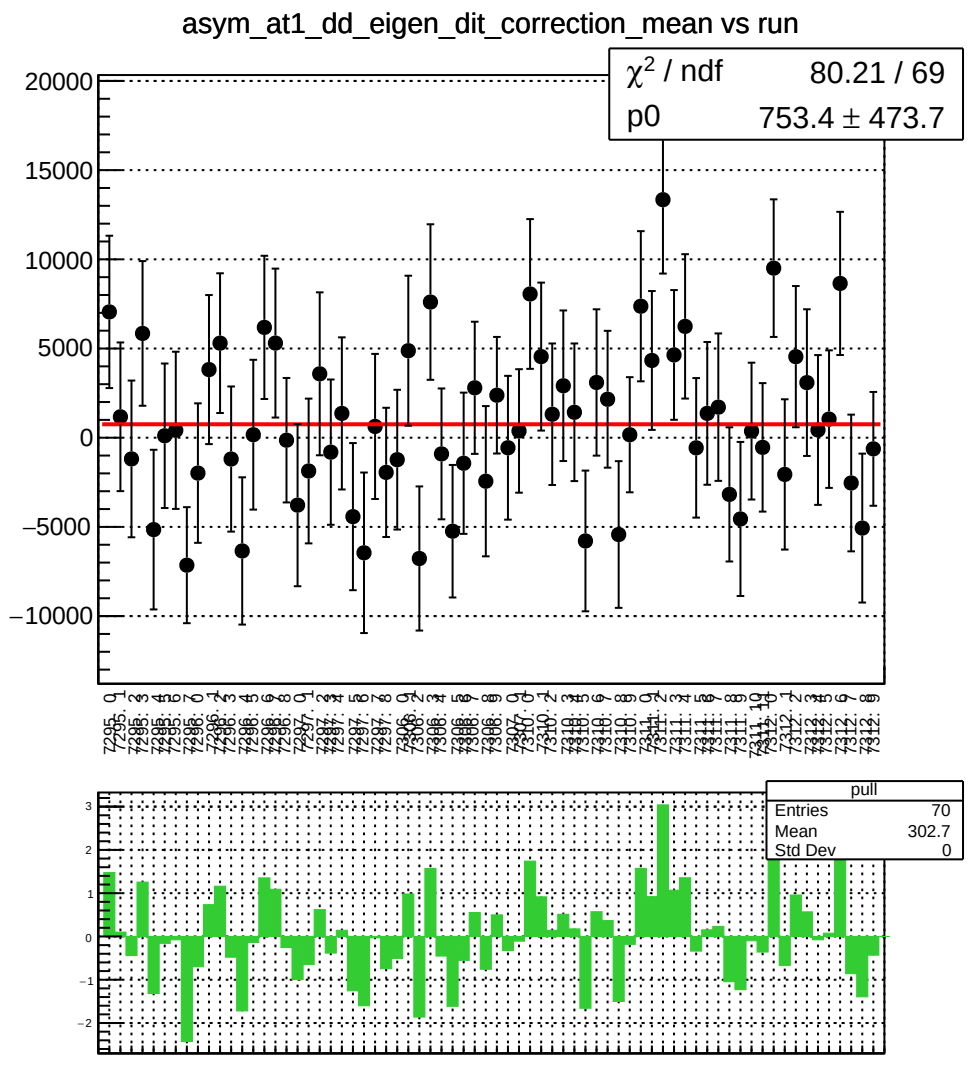

pull1D
Entries 70
Mean 0.01048
Std Dev 1.07

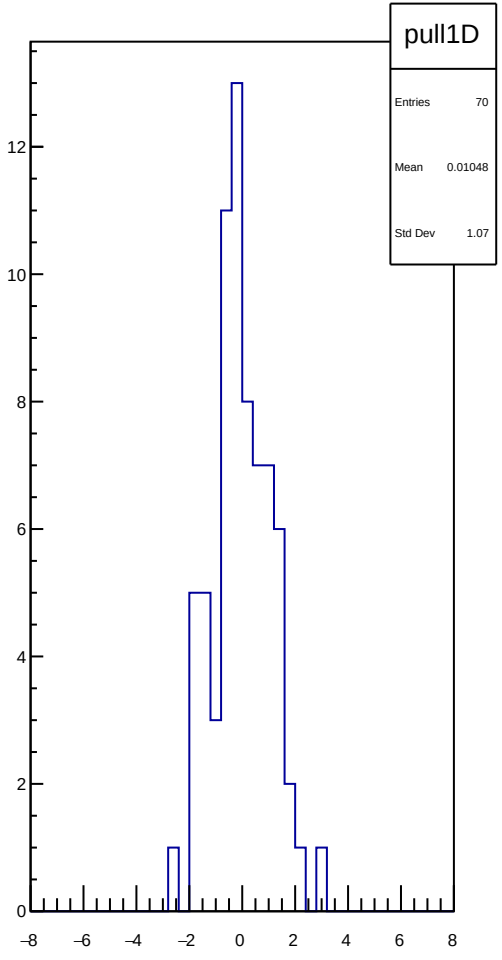

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 3445 / 69
p0 384.2 ± 0.3349
440
420
400
380
360
340

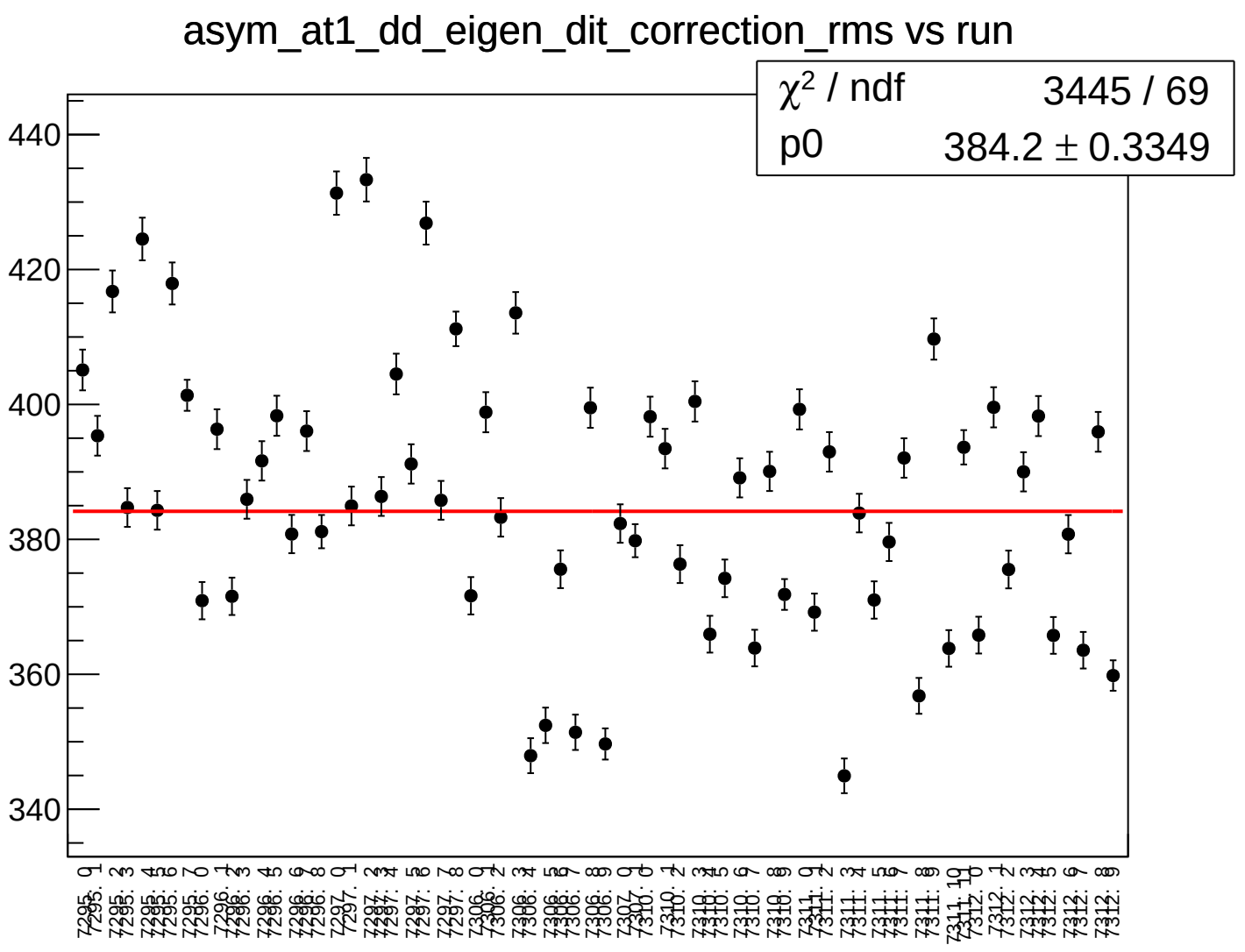

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 72.04 / 69
p0 −949.3 ± 2227
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 396.8
Std Dev 0
2
1
0
−1
−2

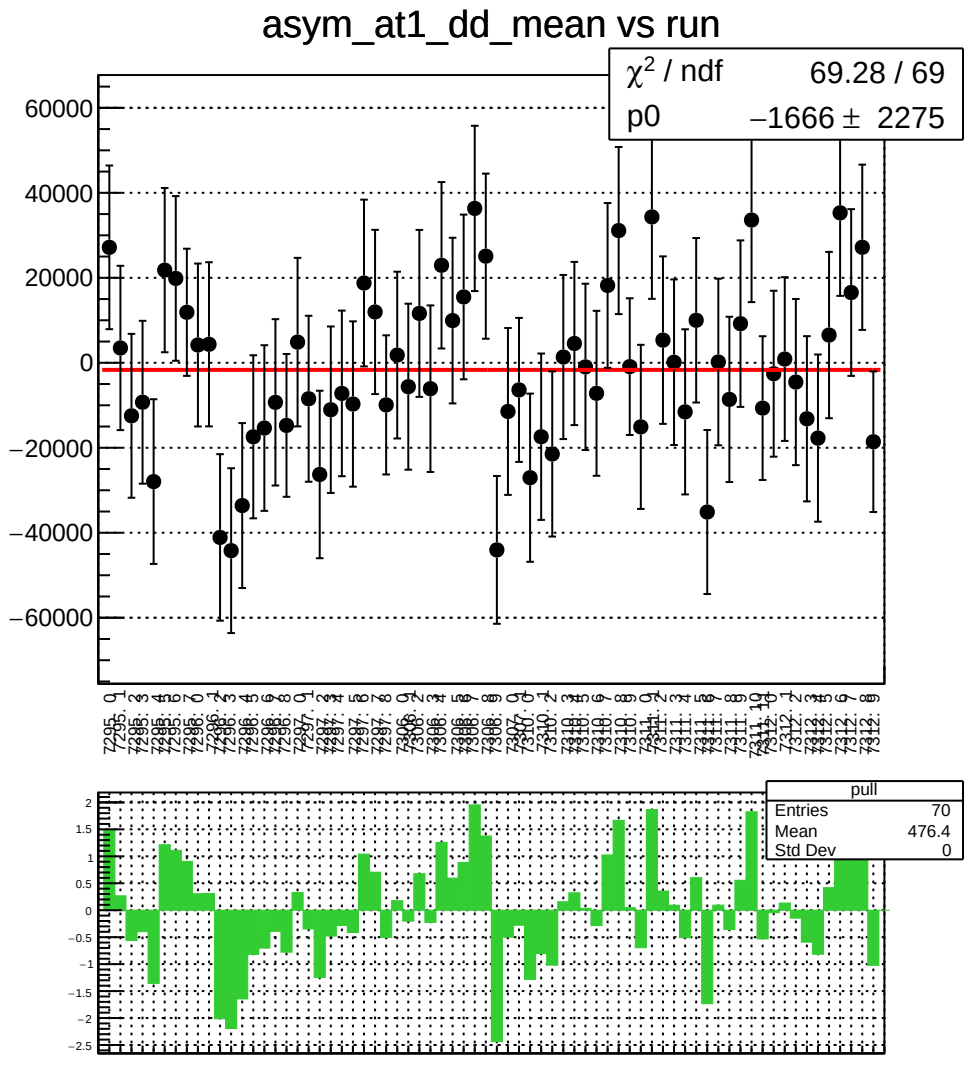

pull1D
Entries 70
Mean 0.01047
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

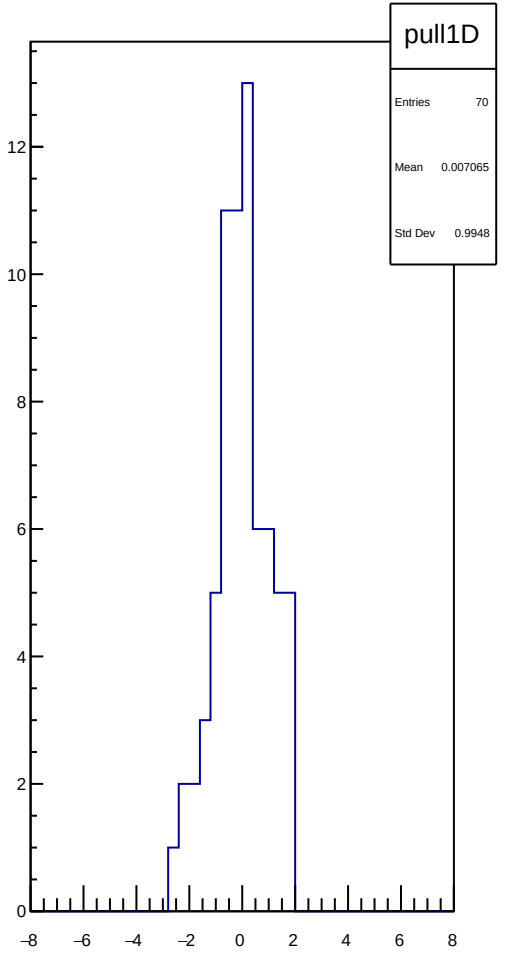

eigen_dit_asym_at1_dd_rms vs run
χ^2 / ndf 77.09 / 69
p0 1809 ± 1.575
1850
1840
1830
1820
1810
1800
1790
1780
1770
1760

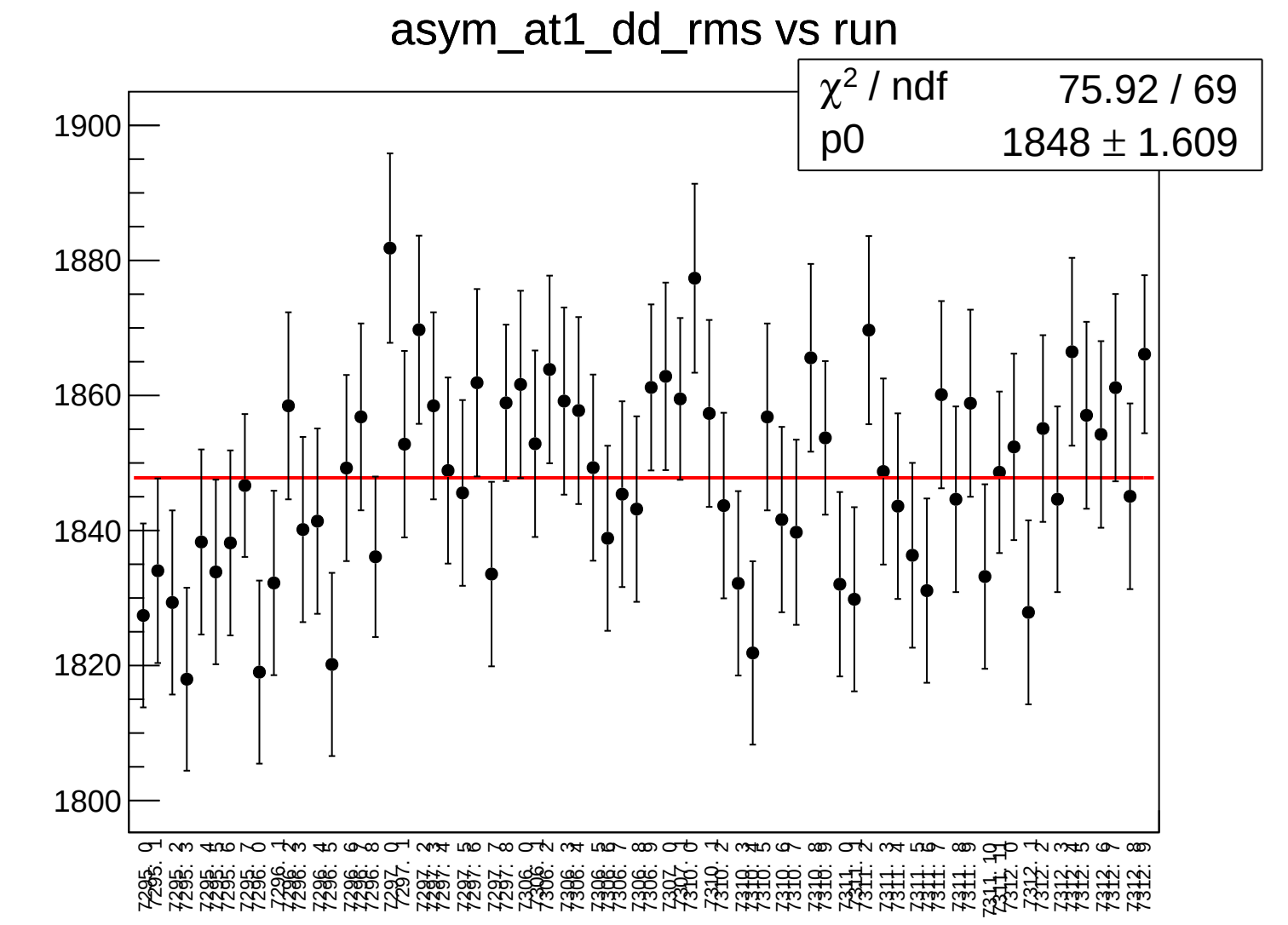

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.21 / 69
p0 753.4 ± 473.7
pull
Entries 70
Mean 302.7
Std Dev 0

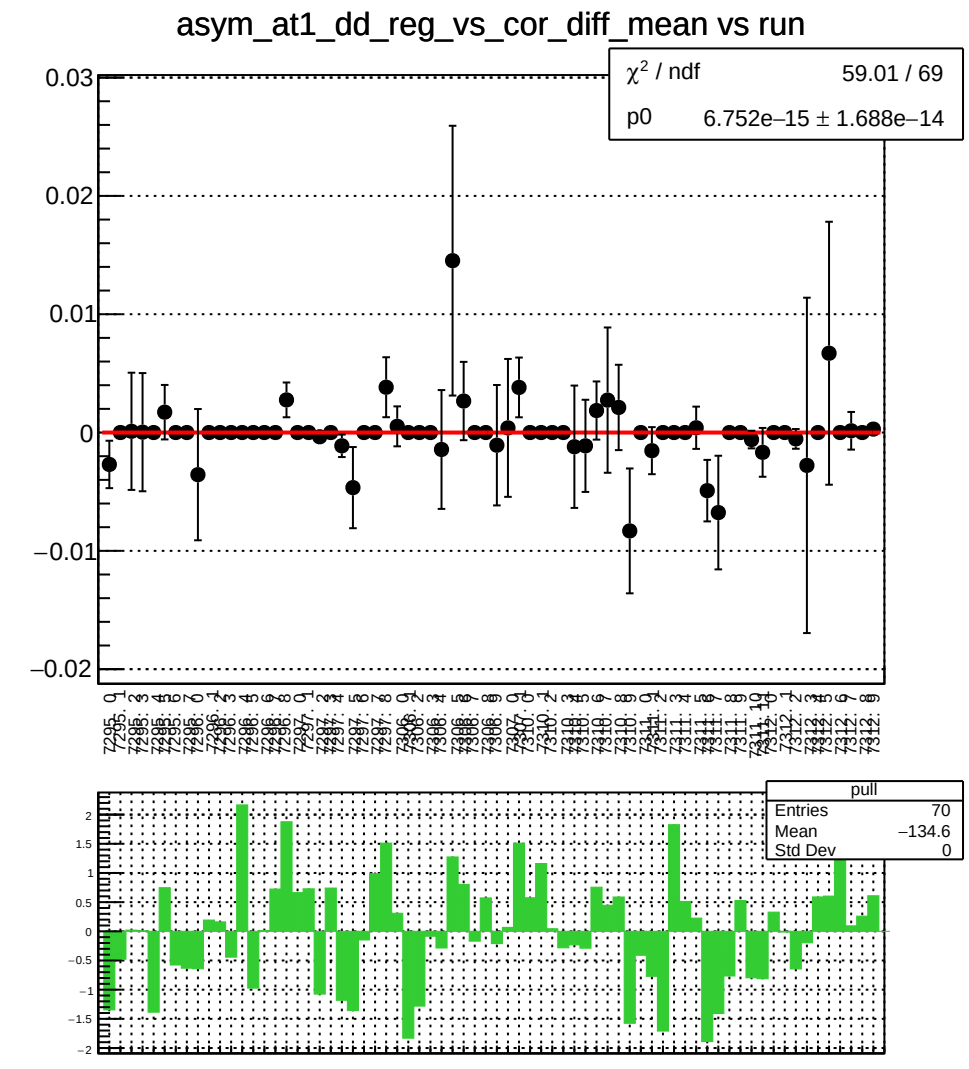

pull1D
Entries 70
Mean 0.01048
Std Dev 1.07

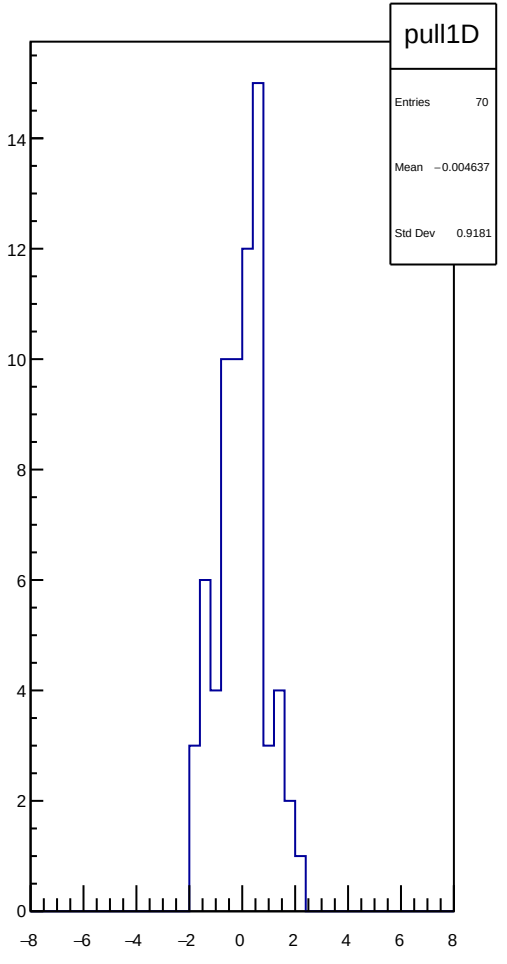

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3445 / 69
p0 384.2 ± 0.3349
440
420
400
380
360
340

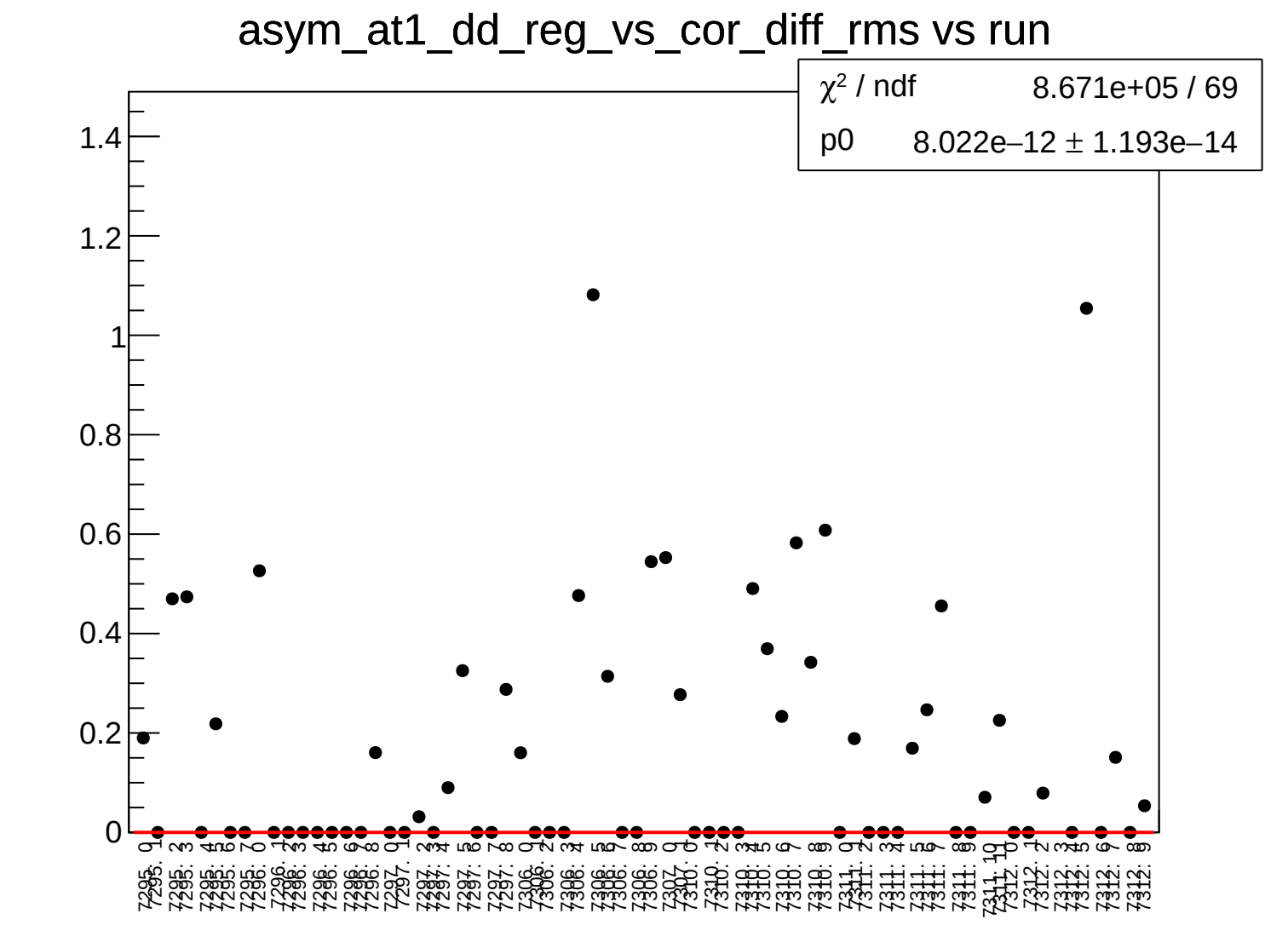

asym_at1_dd_mean vs run
χ² / ndf 69.28 / 69
p0 −1666 ± 2275
pull
Entries 70
Mean 476.4
Std Dev 0

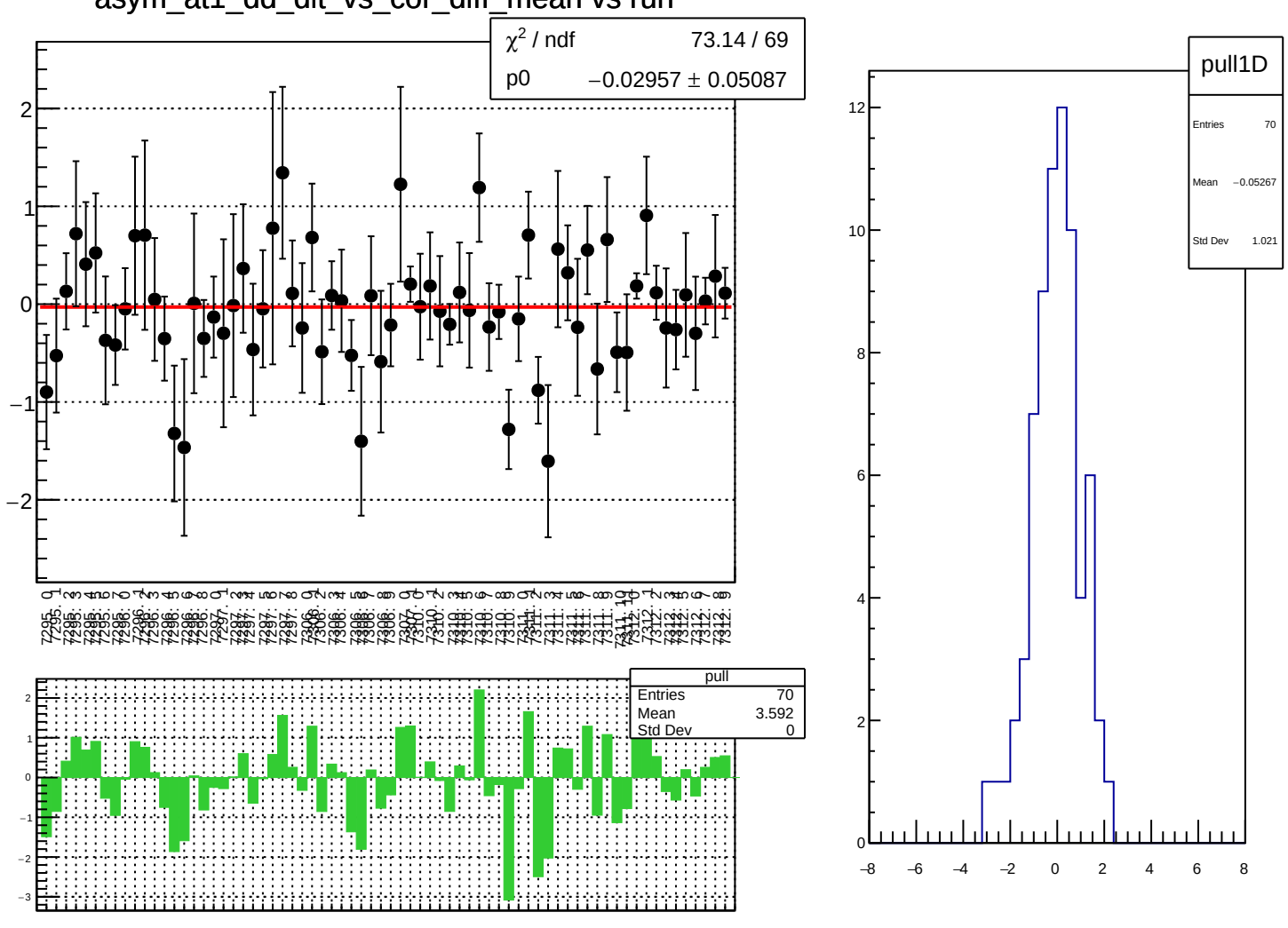

pull1D
Entries 70
Mean 0.007065
Std Dev 0.9948

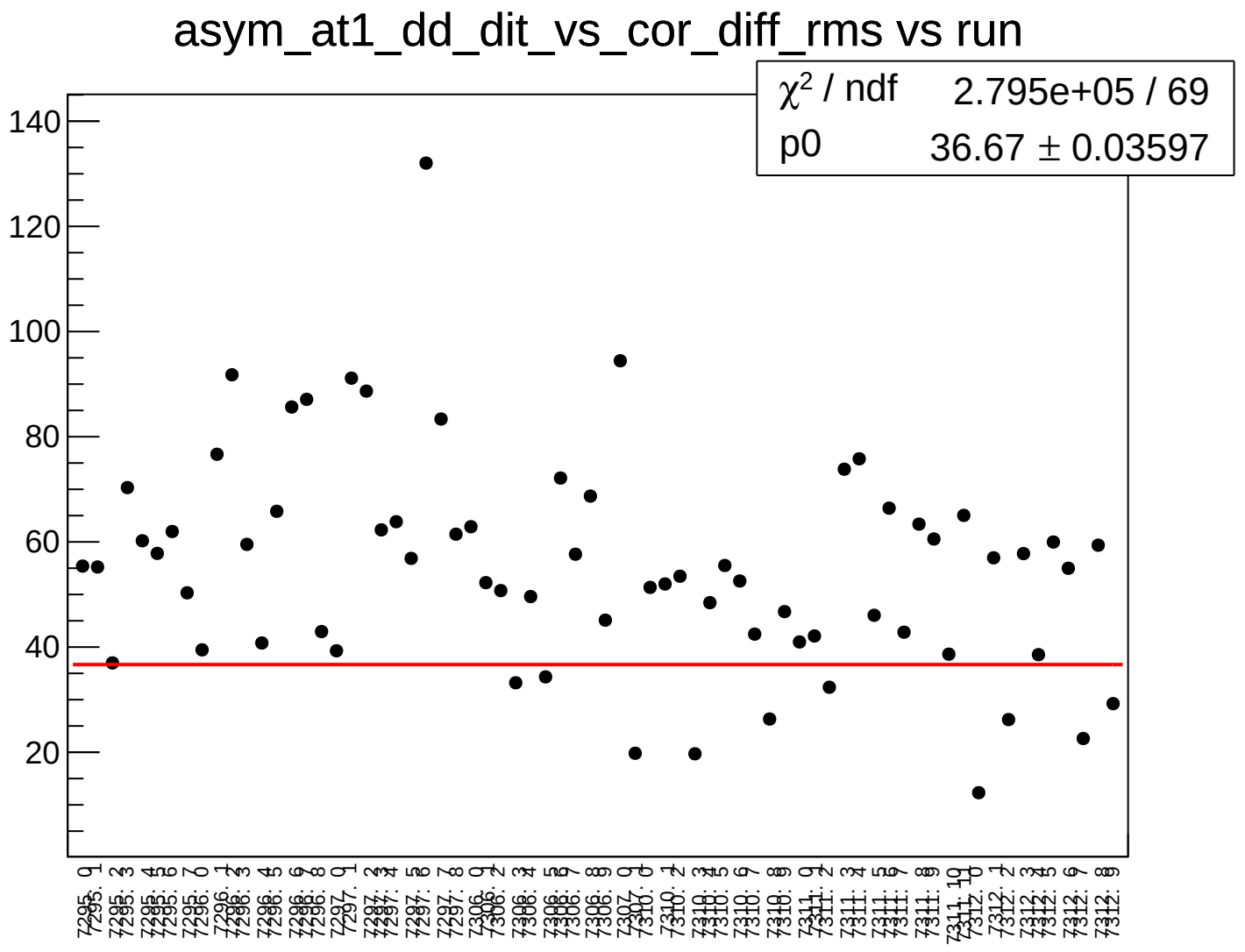

asym_at1_dd_rms vs run
χ^2 / ndf 75.92 / 69
p0 1848 ± 1.609
1900
1880
1860
1840
1820
1800

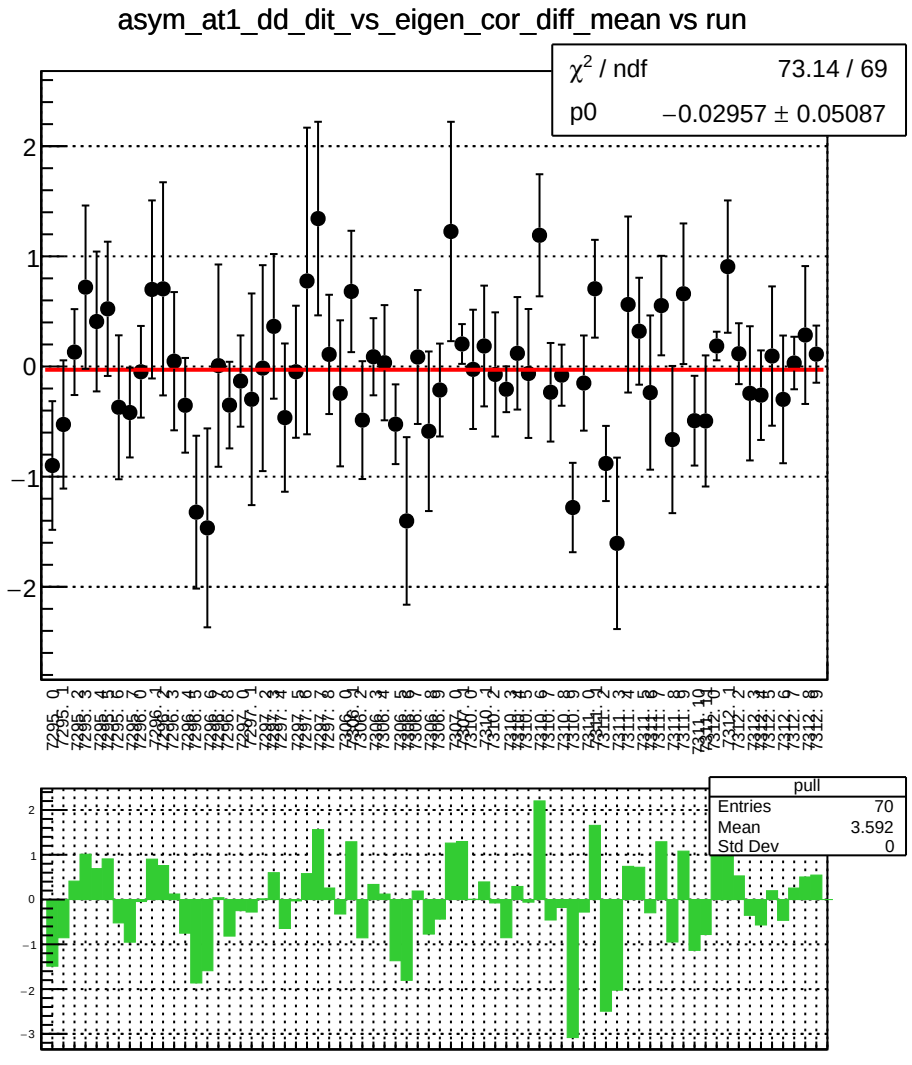

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.01 / 69
p0 6.752e−15 ± 1.688e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean −134.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

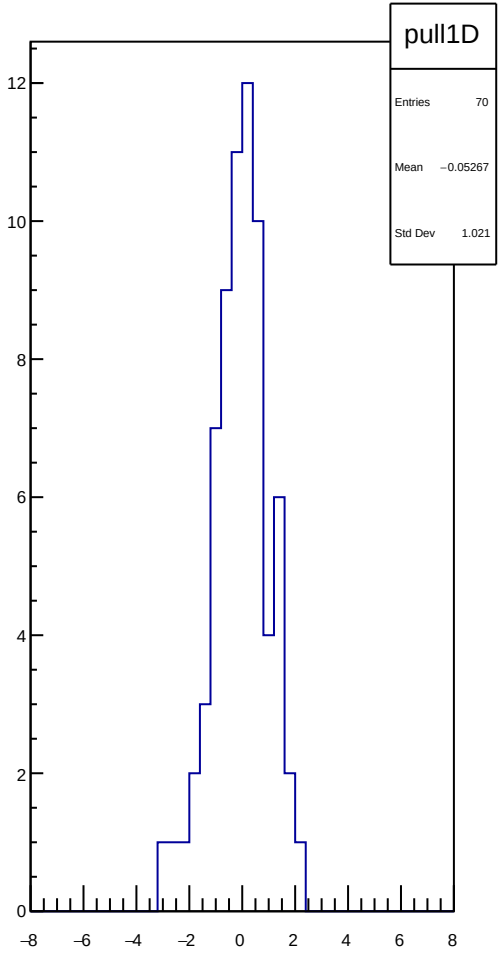

pull1D
Entries 70
Mean −0.004637
Std Dev 0.9181
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

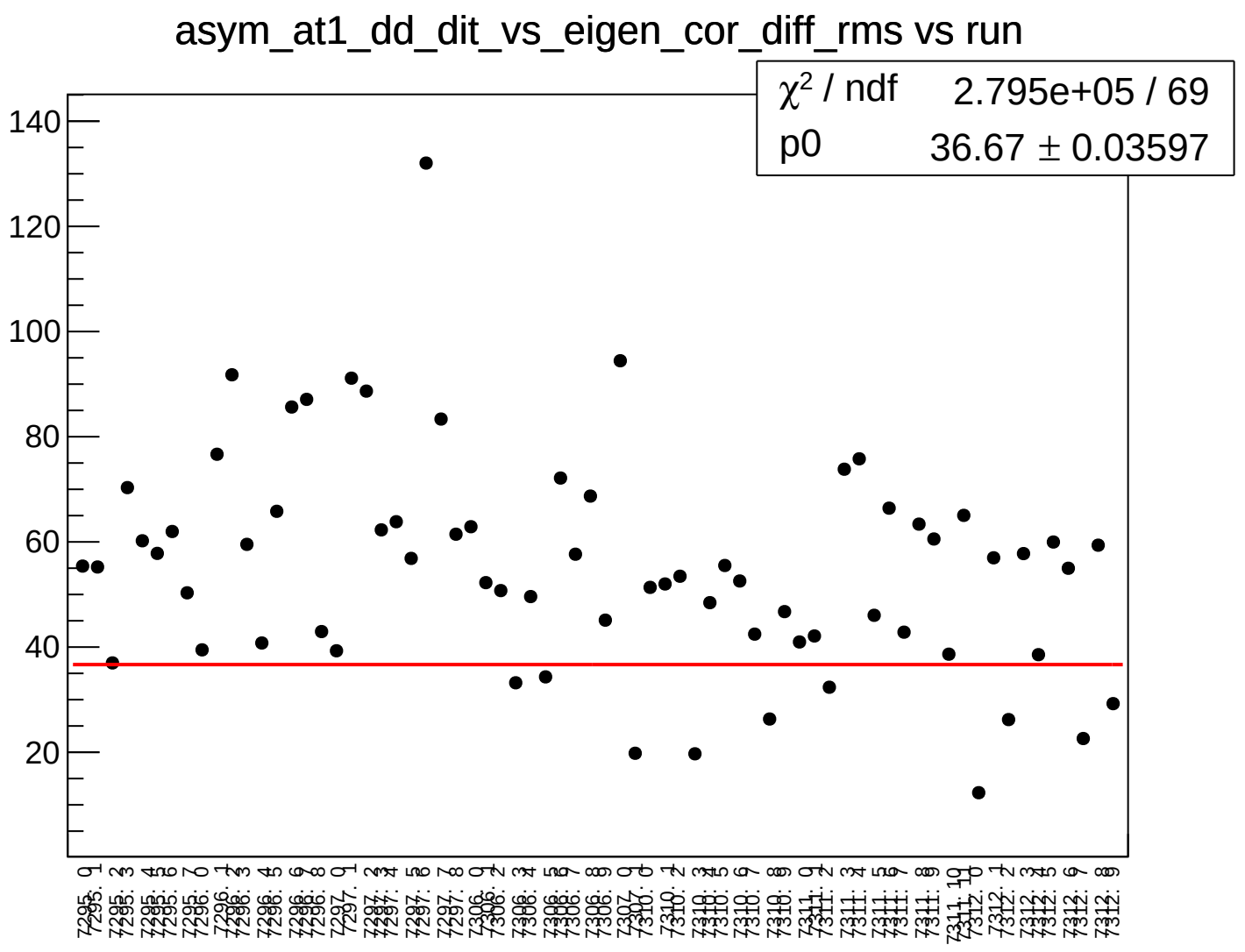

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.671e+05 / 69
p0 8.022e−12 ± 1.193e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

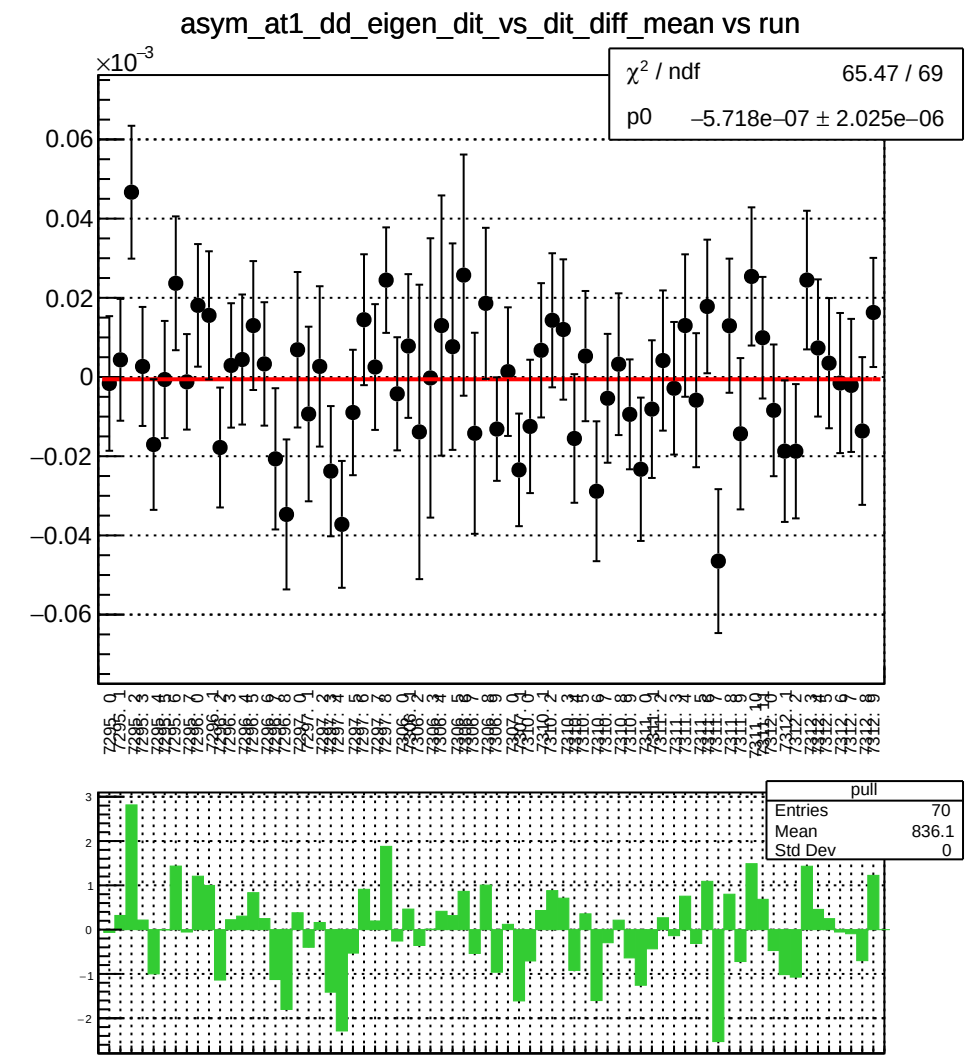

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.14 / 69
p0 −0.02957 ± 0.05087
pull
Entries 70
Mean 3.592
Std Dev 0
pull1D
Entries 70
Mean −0.05267
Std Dev 1.021

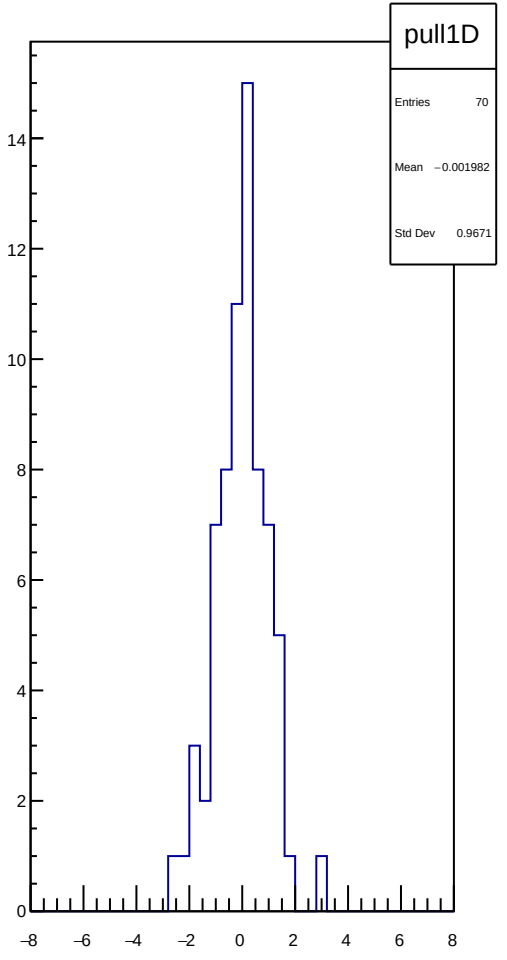

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 69
p0 36.67 ± 0.03597
140
120
100
80
60
40
20

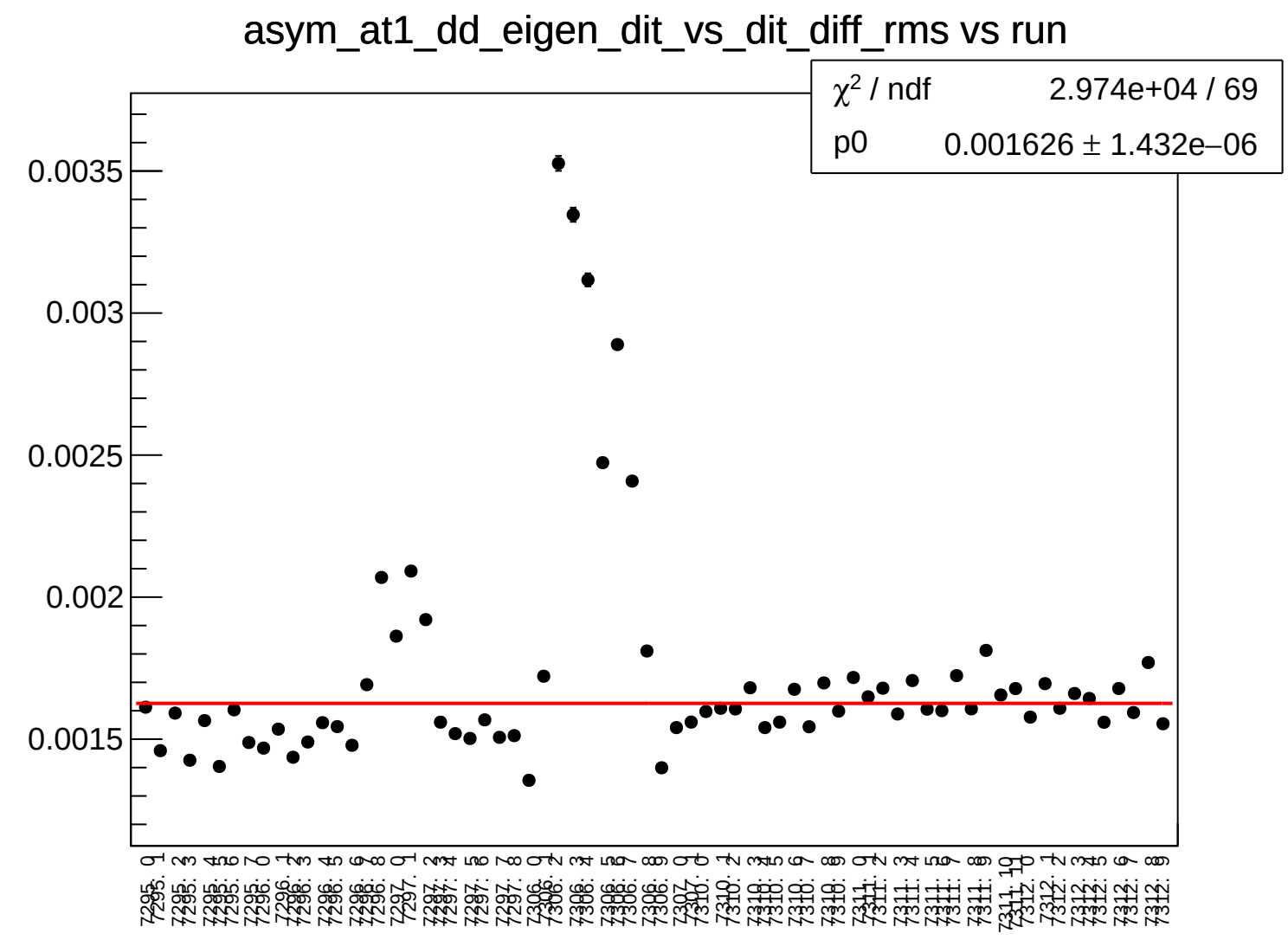

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.14 / 69
p0 −0.02957 ± 0.05087
pull
Entries 70
Mean 3.592
Std Dev 0

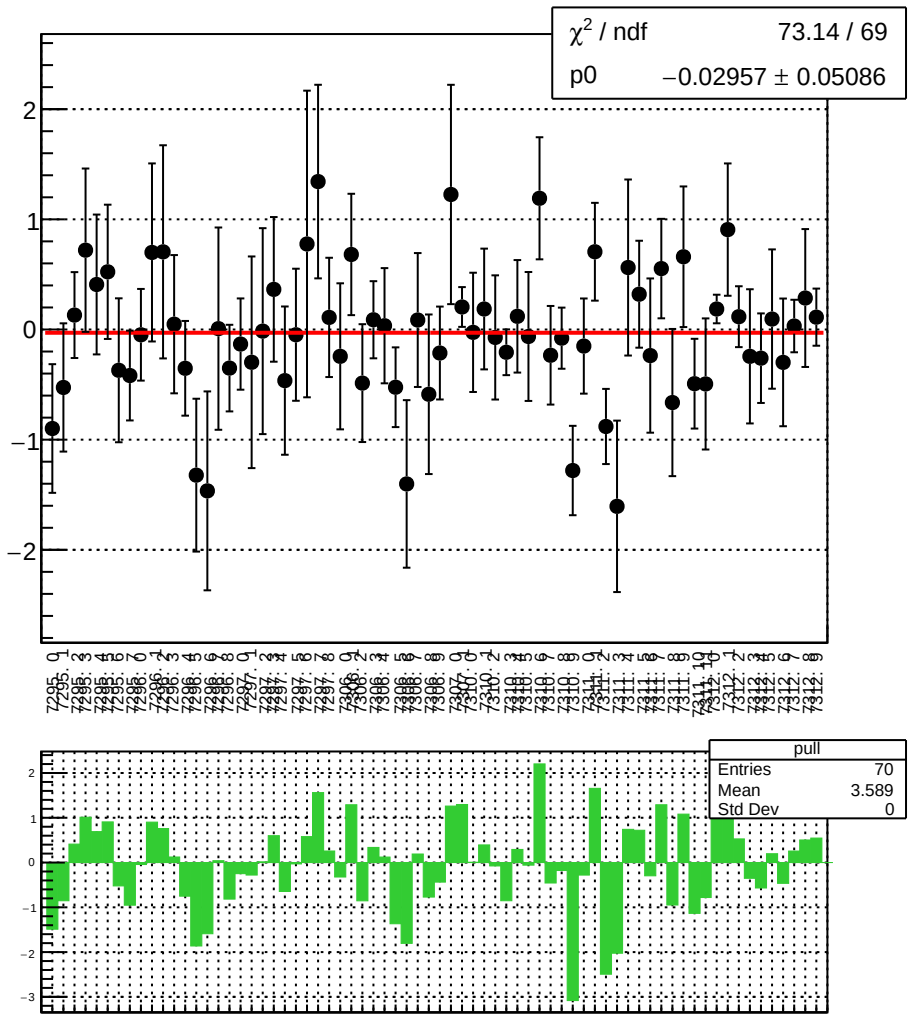

pull1D
Entries 70
Mean −0.05267
Std Dev 1.021

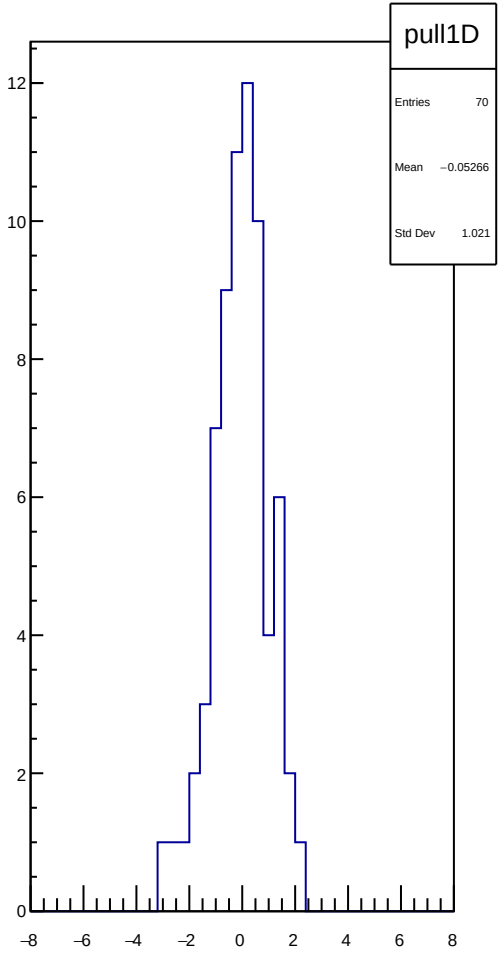

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 69
p0 36.67 ± 0.03597
140
120
100
80
60
40
20

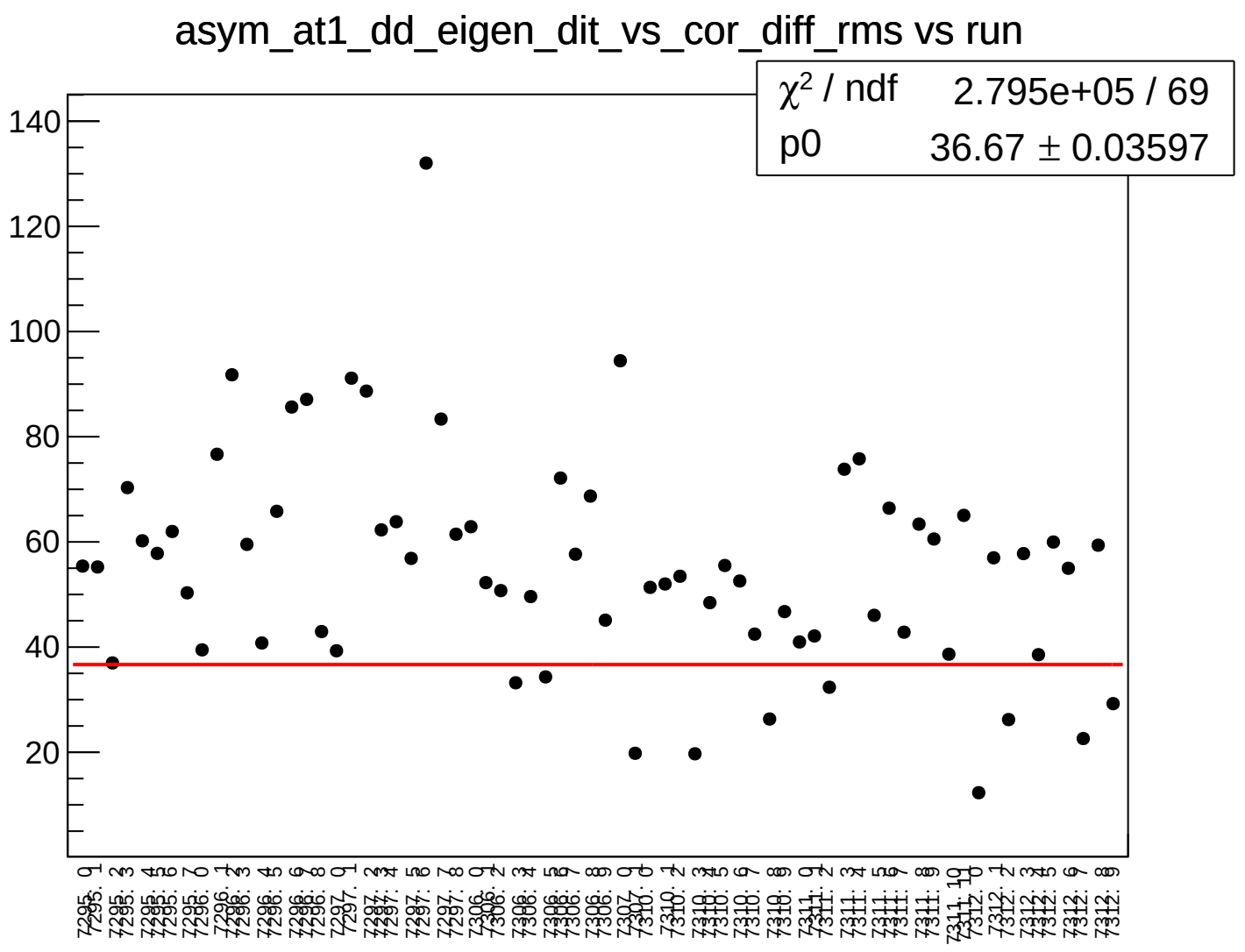

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.47 / 69
p0 −5.718e−07 ± 2.025e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 70
Mean 836.1
Std Dev 0

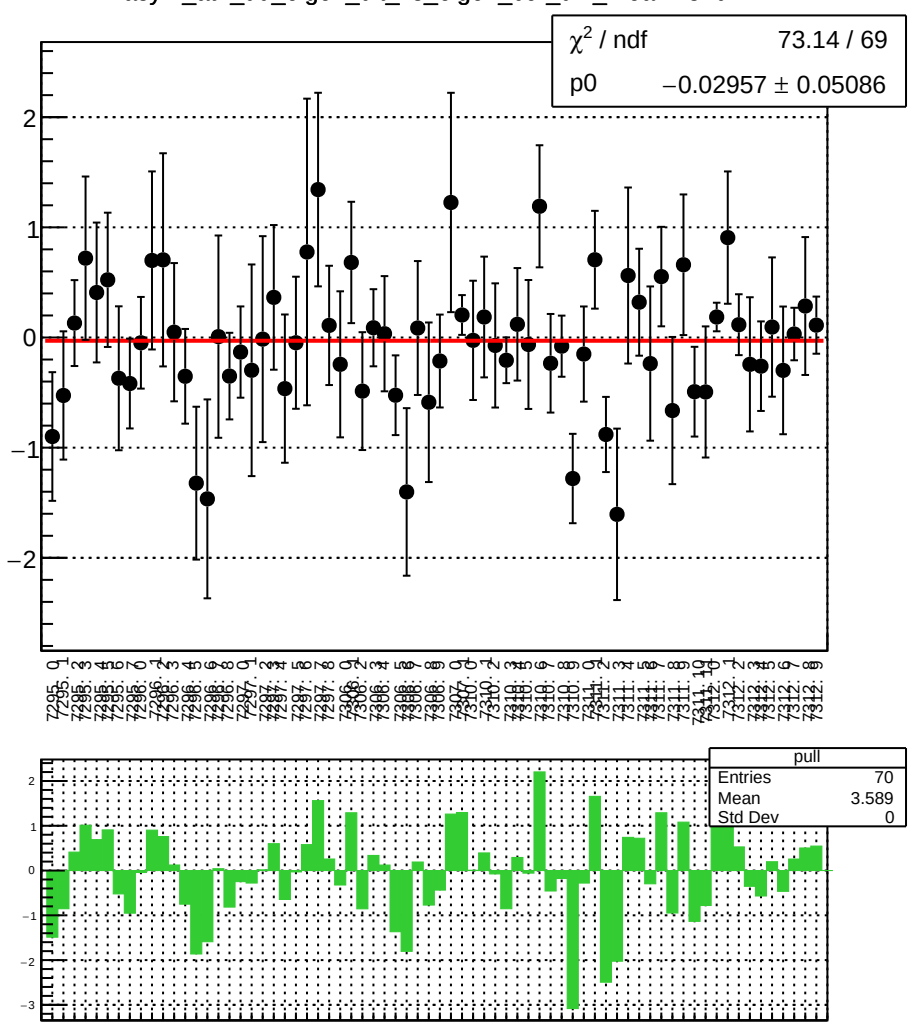

pull1D
Entries 70
Mean −0.001982
Std Dev 0.9671
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

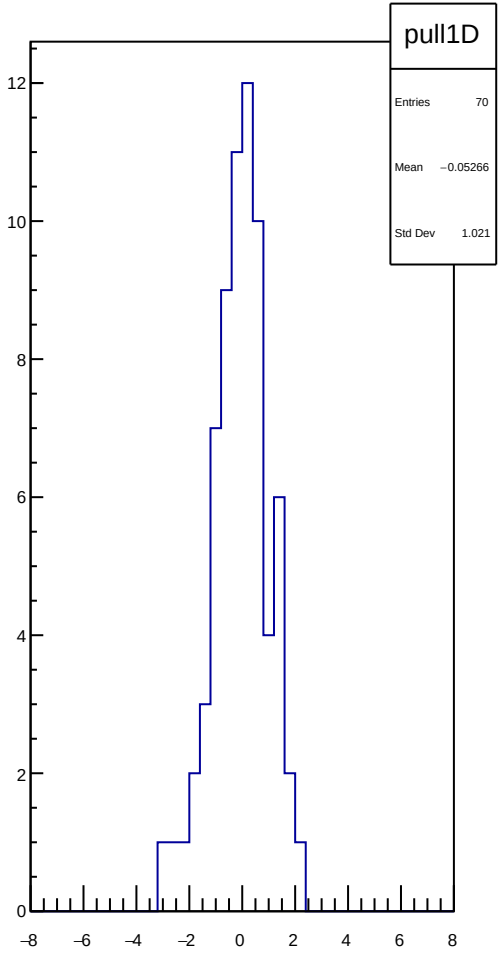

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.974e+04 / 69
p0 0.001626 ± 1.432e−06
0.0035
0.003
0.0025
0.002
0.0015

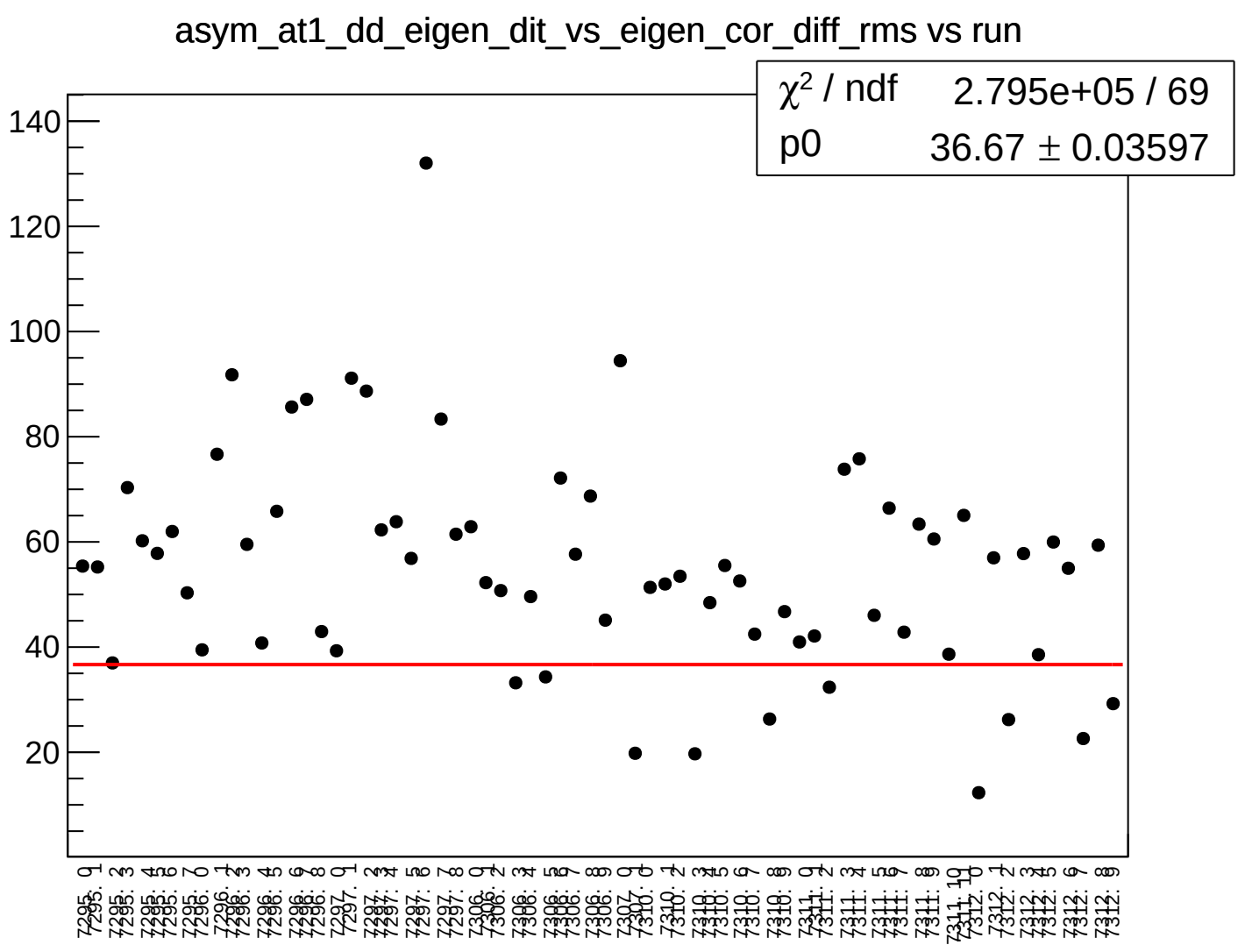

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.14 / 69
p0 −0.02957 ± 0.05086
pull
Entries 70
Mean 3.589
Std Dev 0

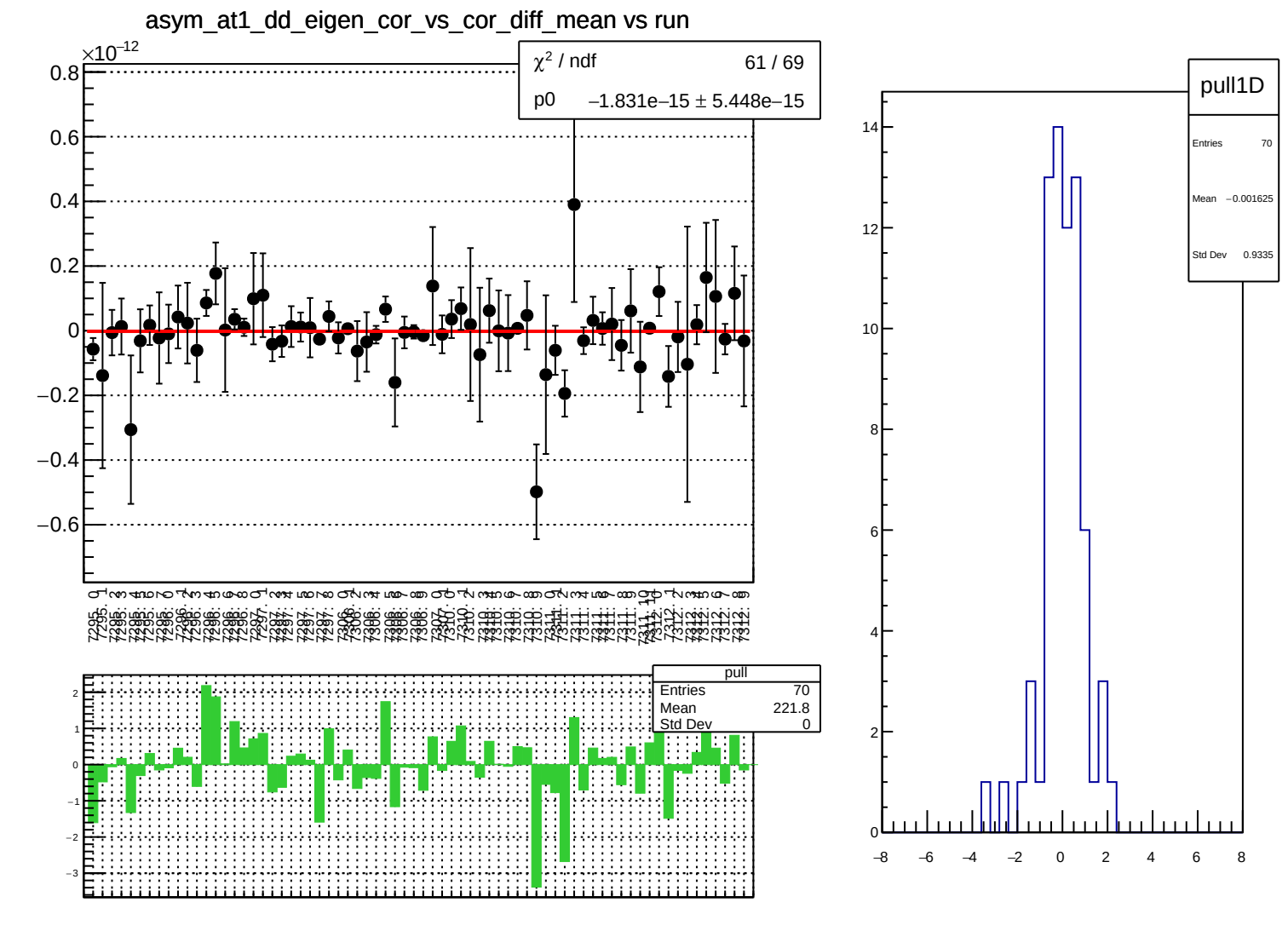

pull1D
Entries 70
Mean −0.05266
Std Dev 1.021

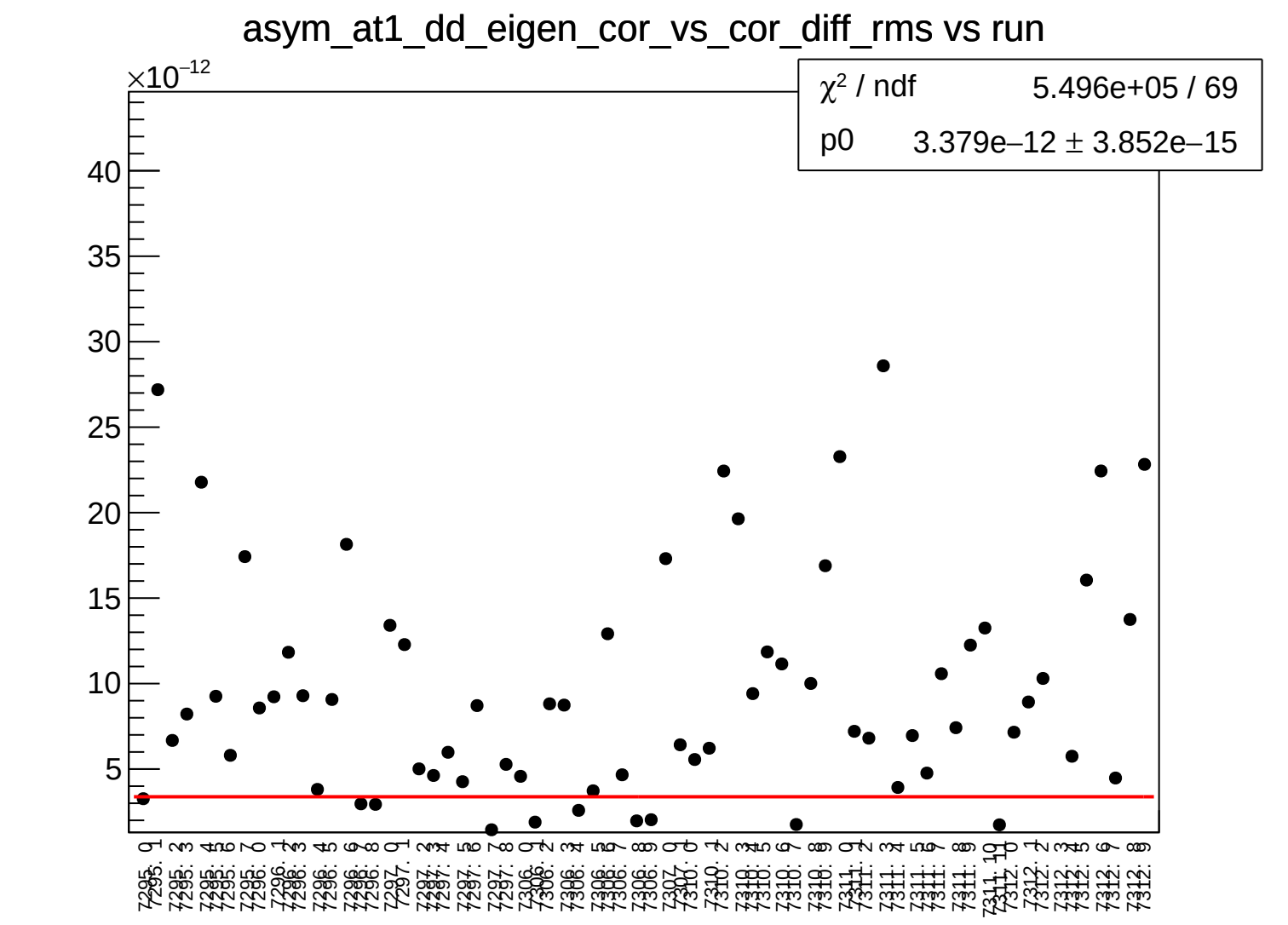

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 69
p0 36.67 ± 0.03597
140
120
100
80
60
40
20

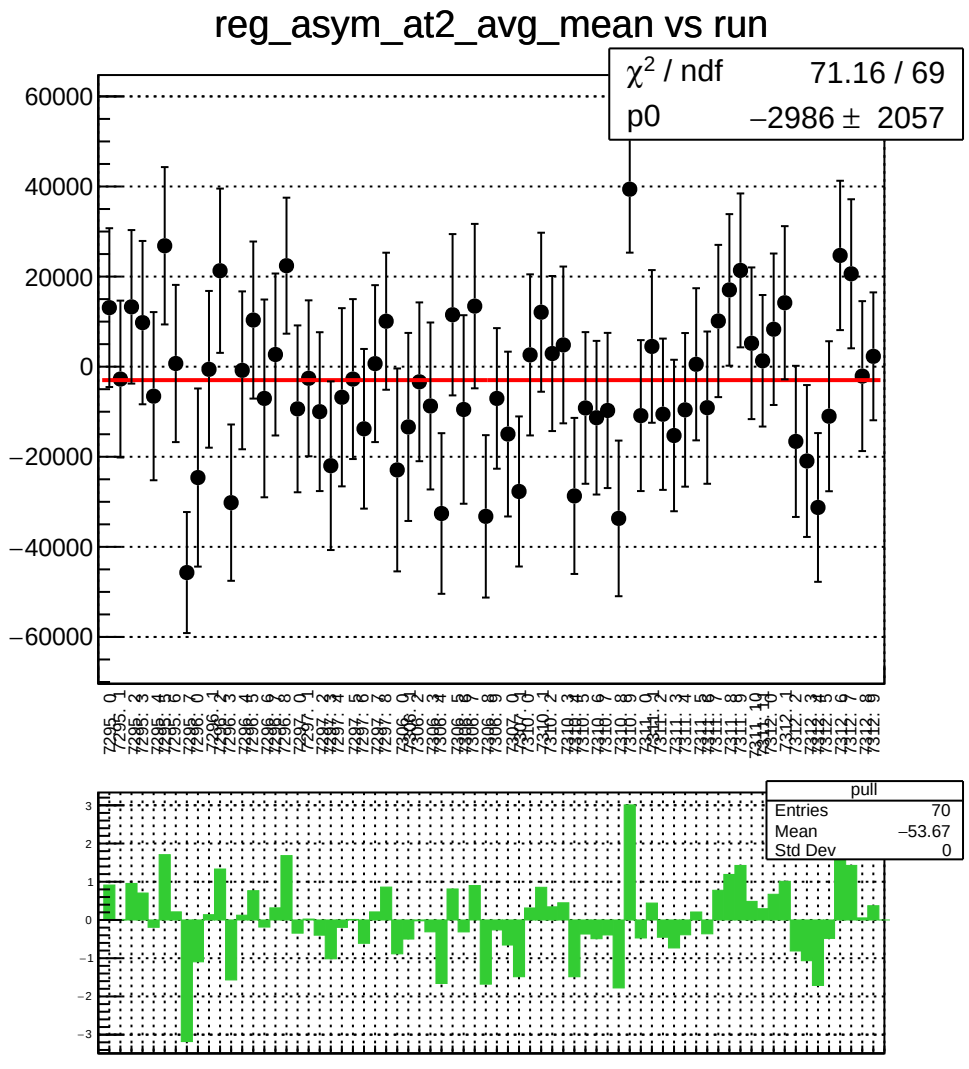

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.14 / 69
p0 −0.02957 ± 0.05086
pull
Entries 70
Mean 3.589
Std Dev 0

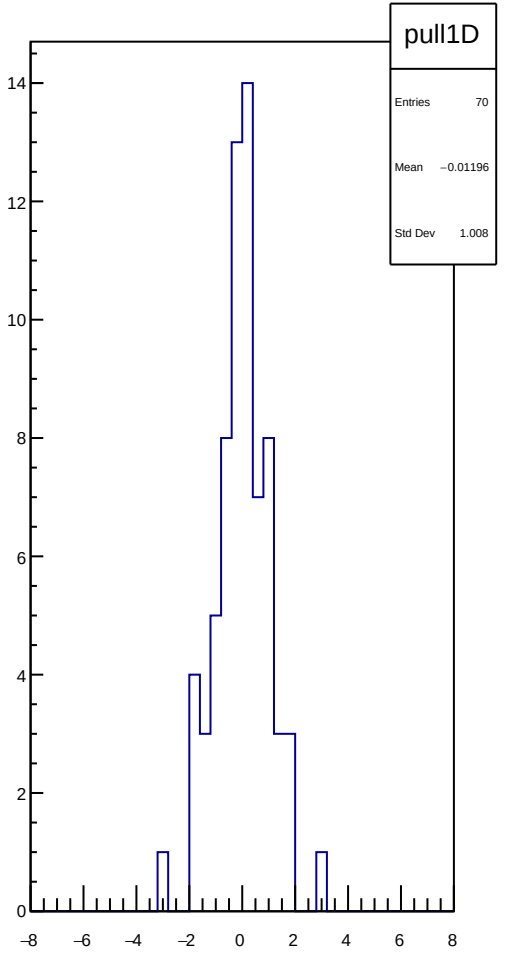

pull1D
Entries 70
Mean −0.05266
Std Dev 1.021

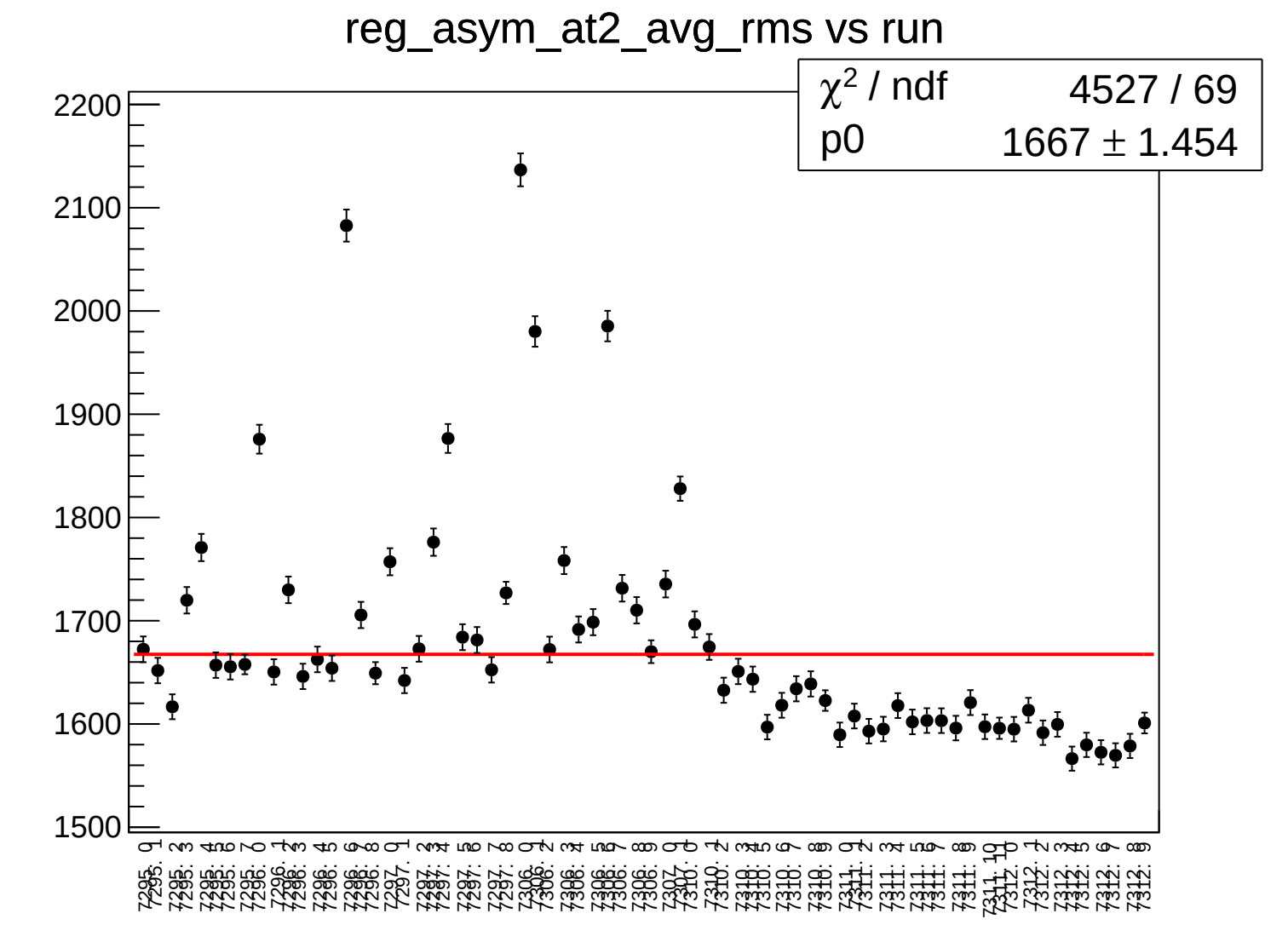

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.795e+05 / 69
p0 36.67 ± 0.03597
140
120
100
80
60
40
20

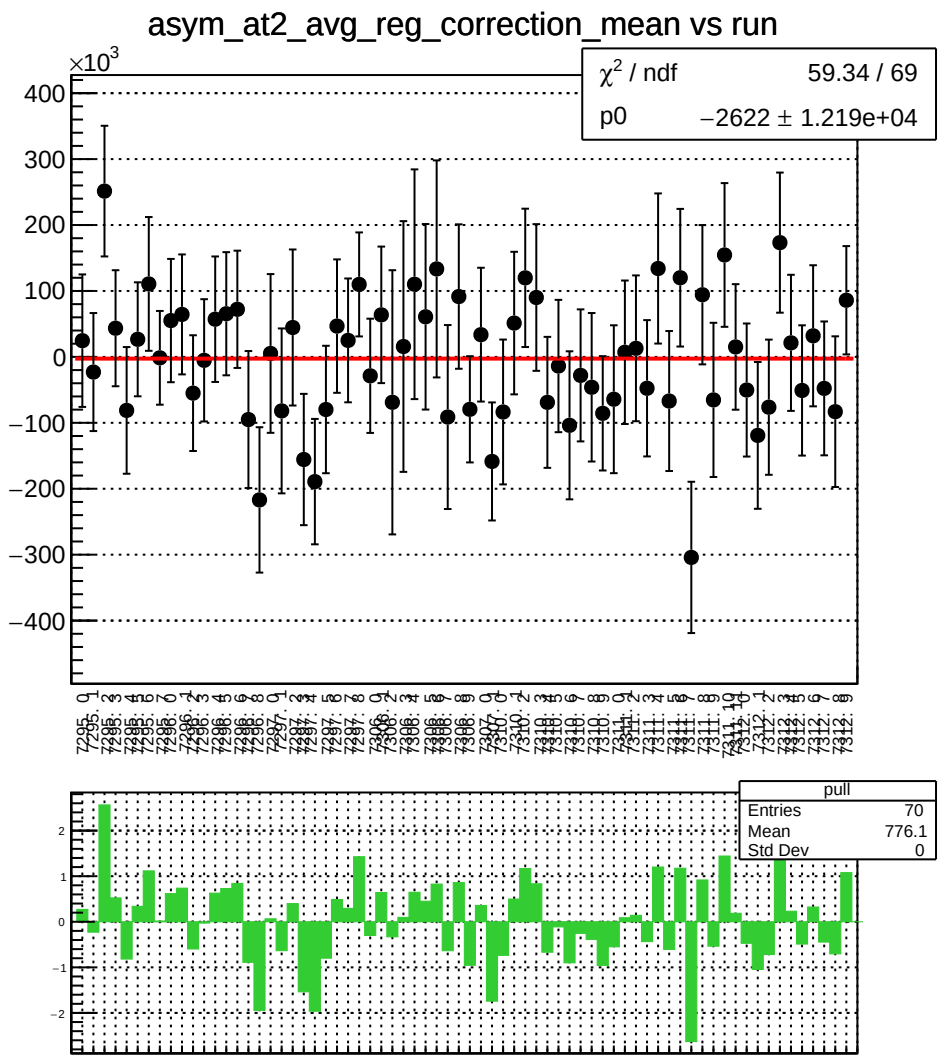

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61 / 69
p0 −1.831e−15 ± 5.448e−15
pull
Entries 70
Mean 221.8
Std Dev 0
pull1D
Entries 70
Mean −0.001625
Std Dev 0.9335

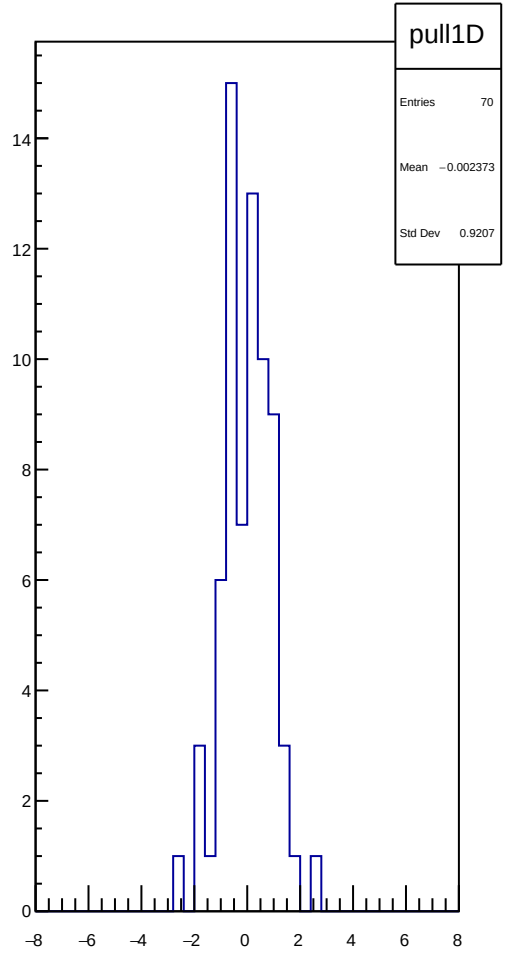

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.496e+05 / 69
p0 3.379e−12 ± 3.852e−15
40
35
30
25
20
15
10
5

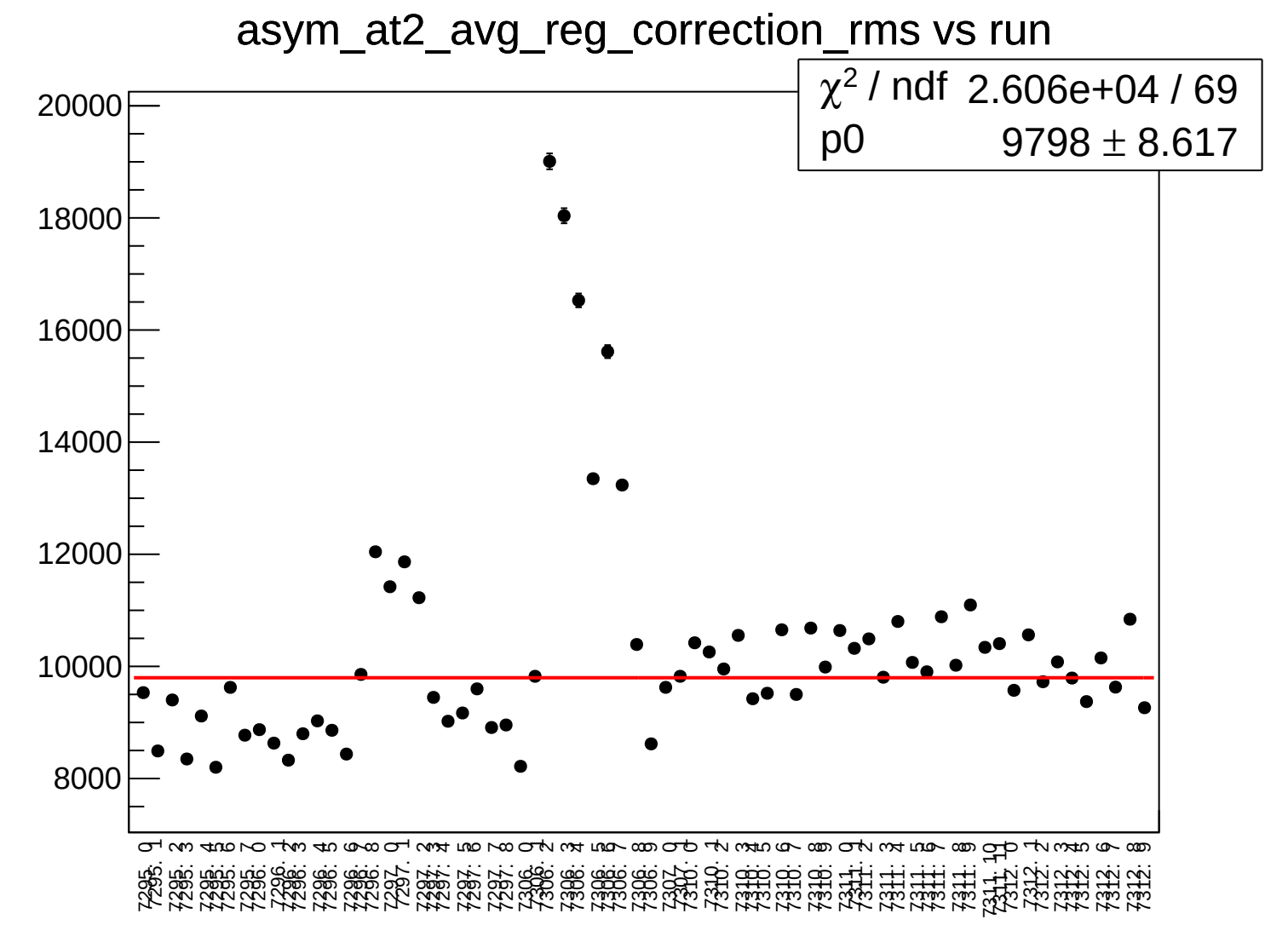

reg_asym_at2_avg_mean vs run
χ² / ndf 71.16 / 69
p0 −2986 ± 2057
pull
Entries 70
Mean −53.67
Std Dev 0

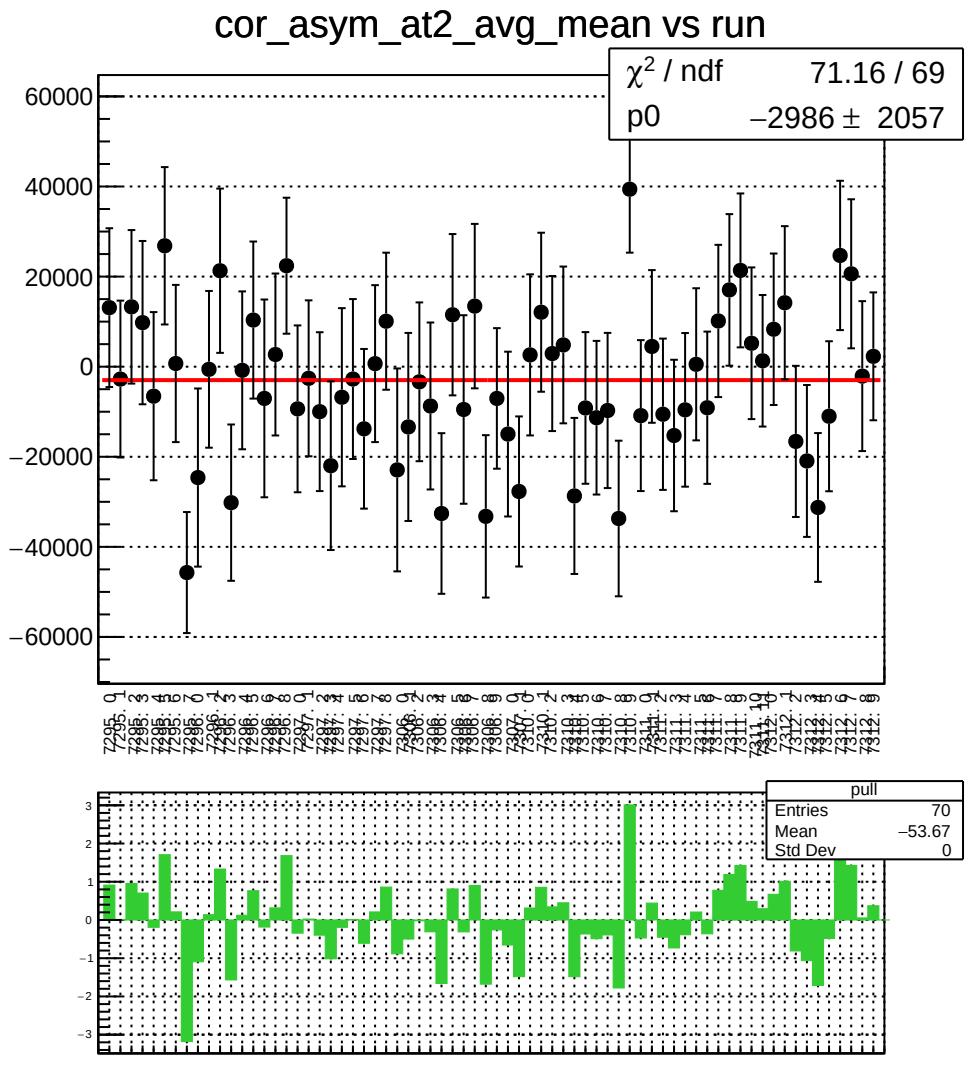

pull1D
Entries 70
Mean −0.01196
Std Dev 1.008

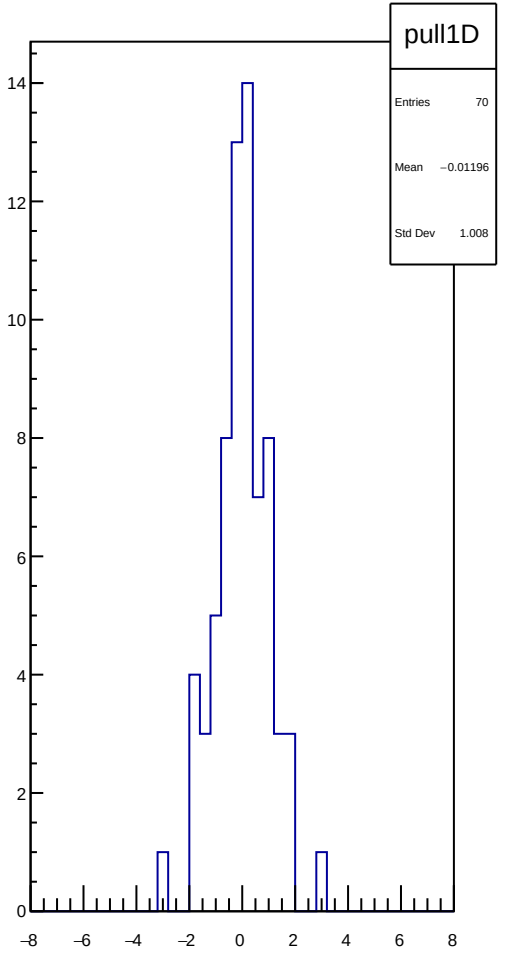

reg_asym_at2_avg_rms vs run
χ² / ndf 4527 / 69
p0 1667 ± 1.454
2200
2100
2000
1900
1800
1700
1600
1500

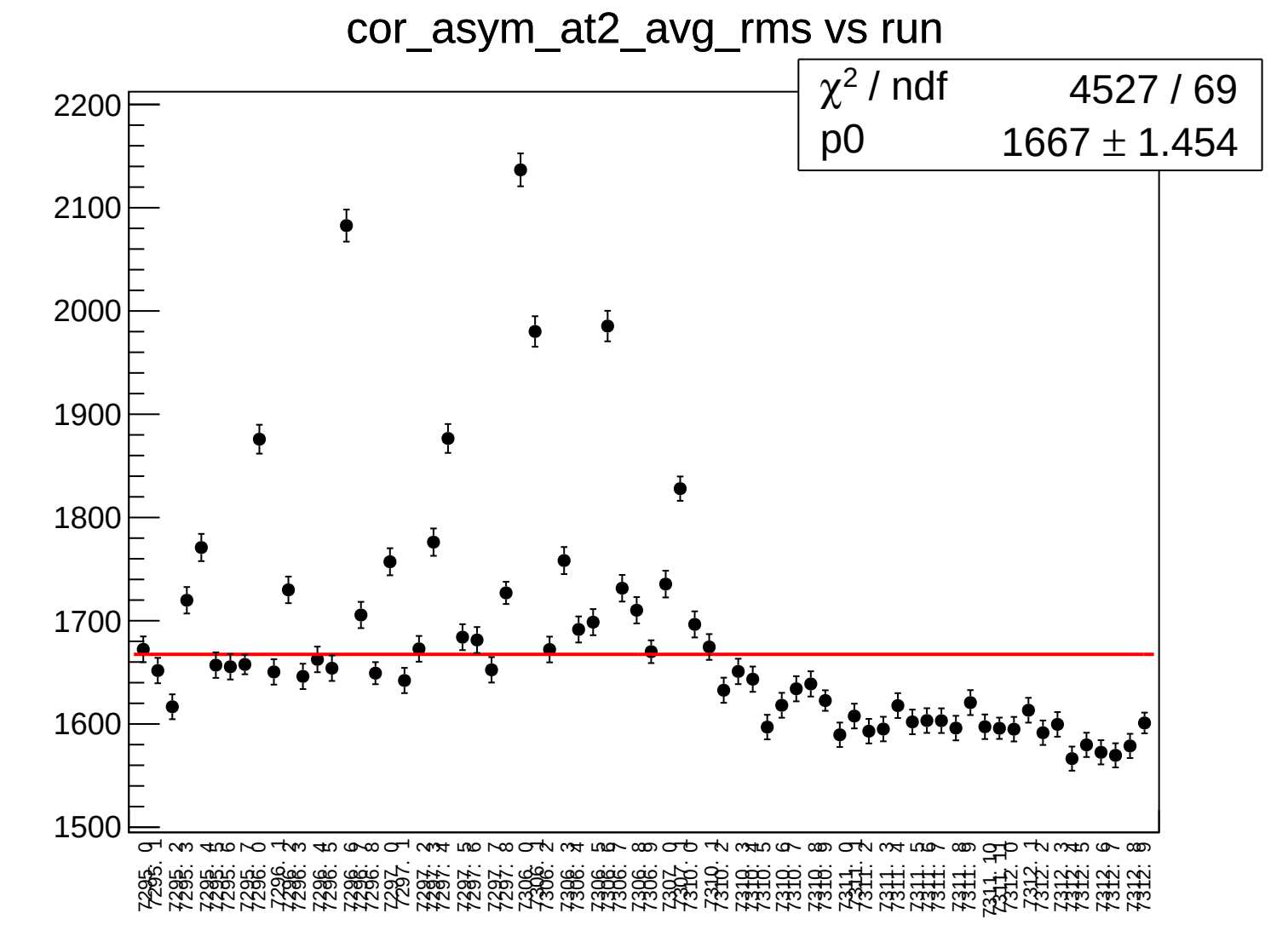

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.34 / 69
p0 −2622 ± 1.219e+04
pull
Entries 70
Mean 776.1
Std Dev 0

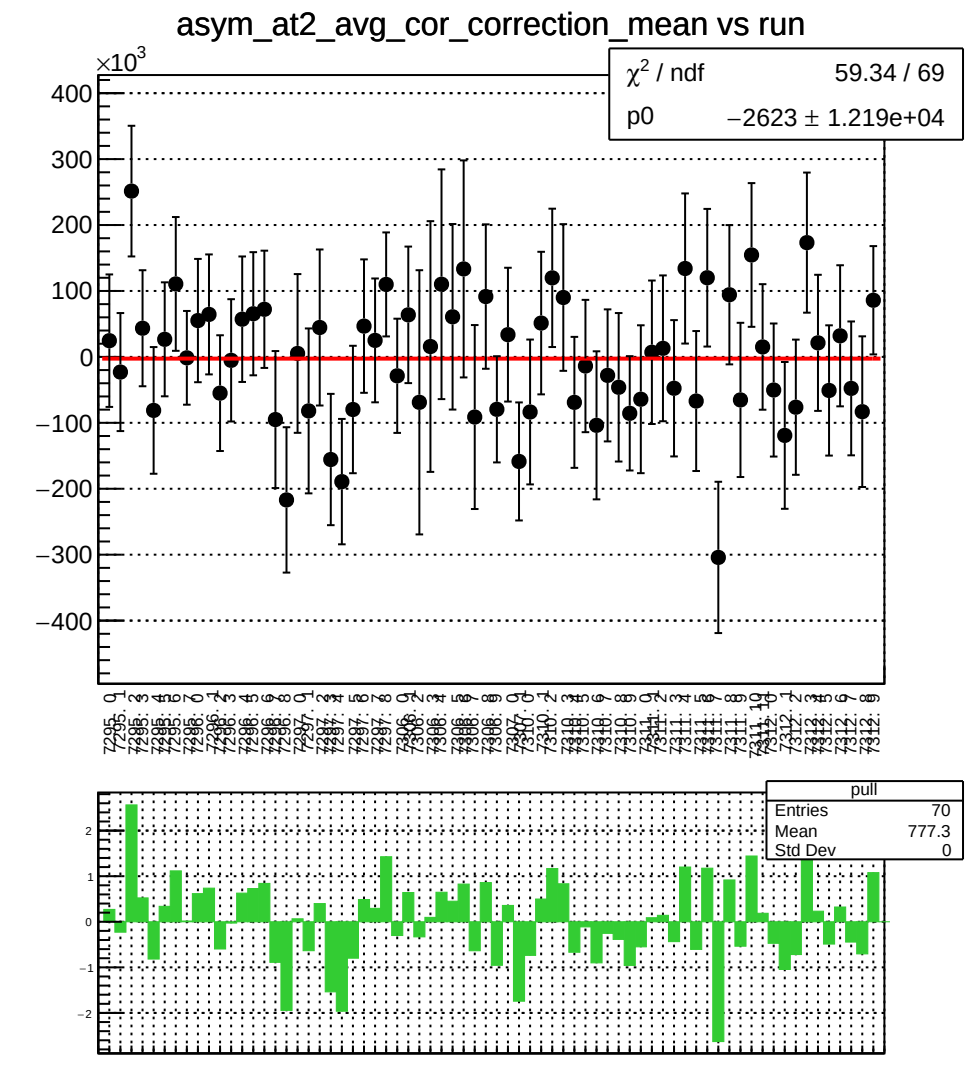

pull1D
Entries 70
Mean −0.002373
Std Dev 0.9207

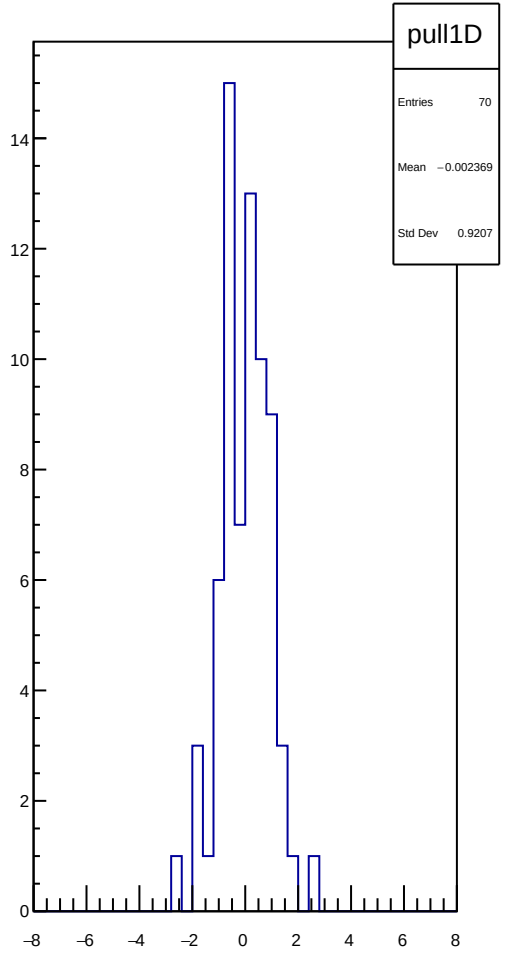

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 2.606e+04 / 69
p0 9798 ± 8.617
20000
18000
16000
14000
12000
10000
8000

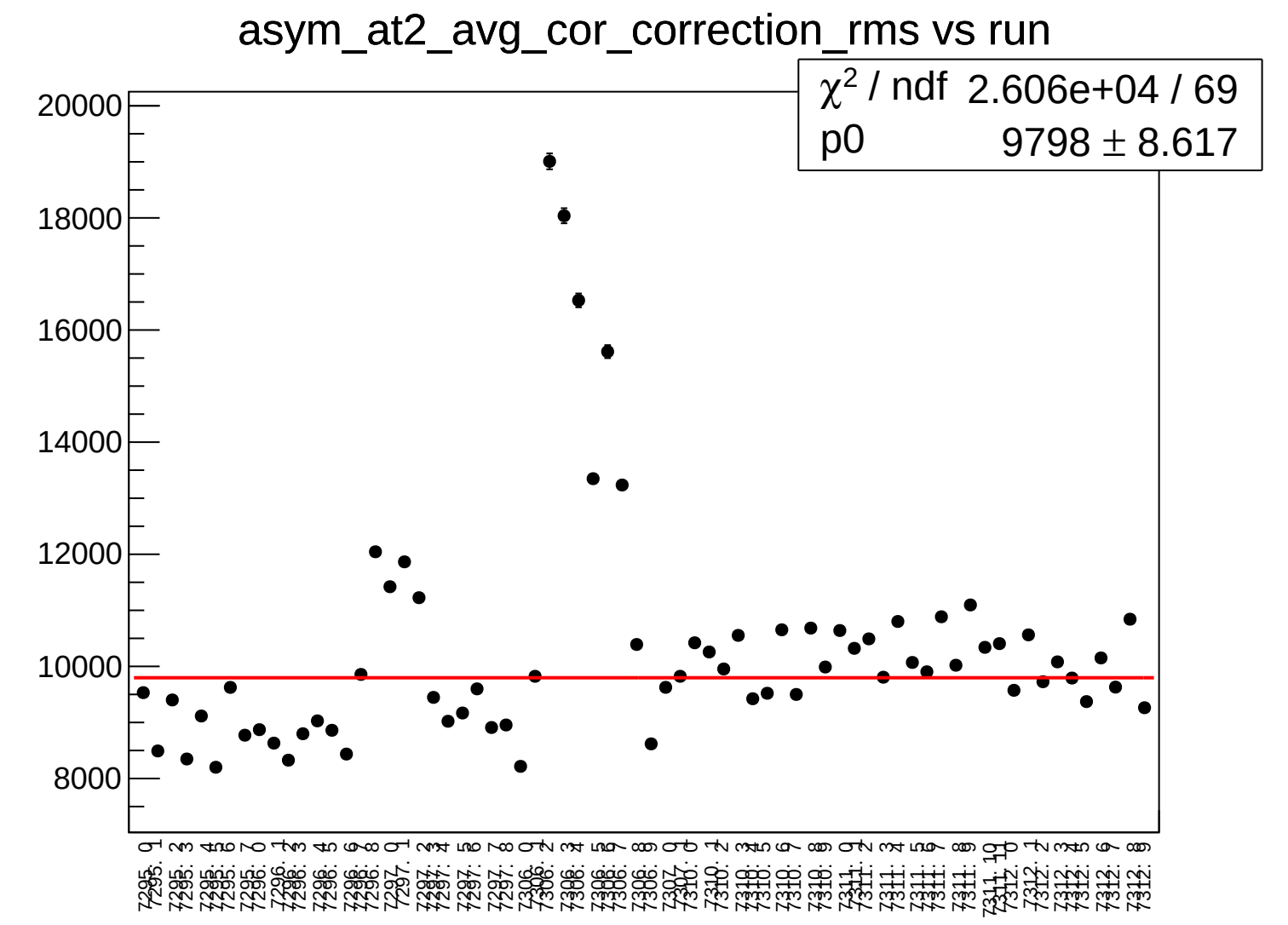

cor_asym_at2_avg_mean vs run
χ² / ndf 71.16 / 69
p0 −2986 ± 2057
pull
Entries 70
Mean −53.67
Std Dev 0

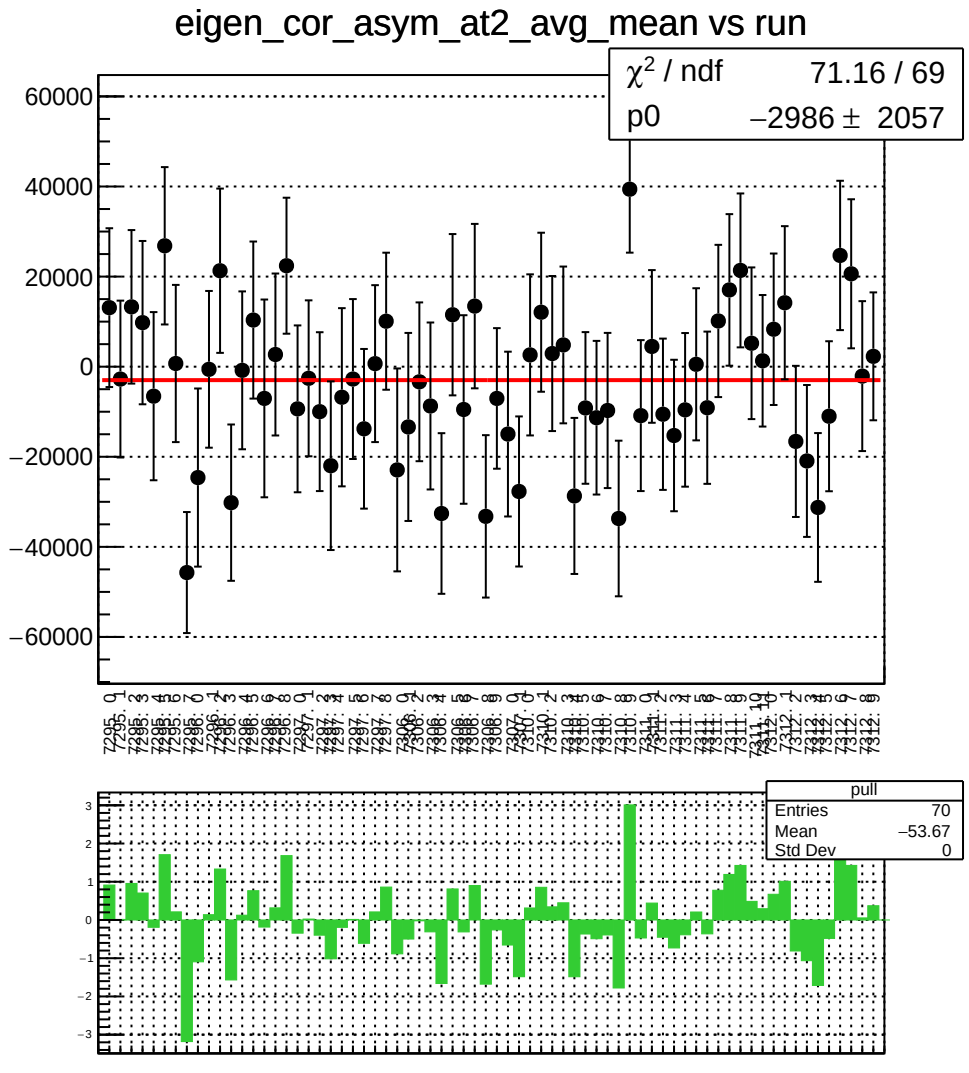

pull1D
Entries 70
Mean −0.01196
Std Dev 1.008

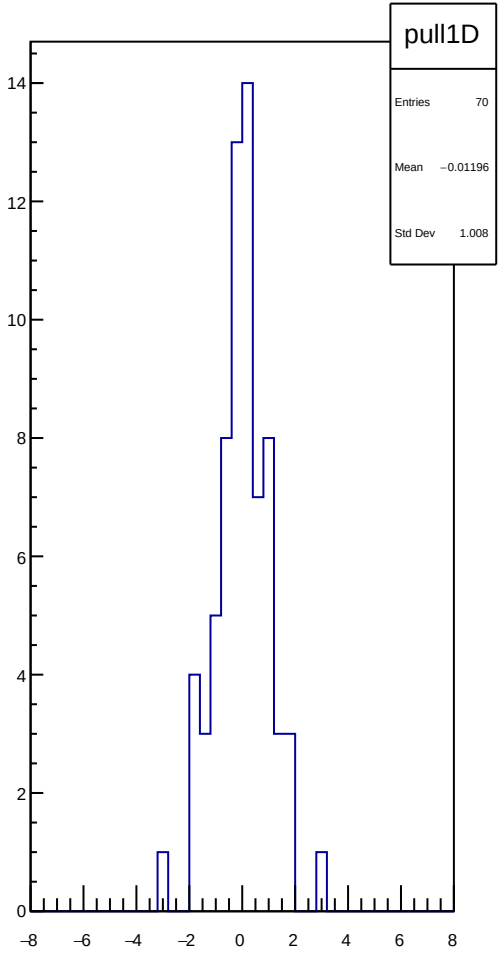

cor_asym_at2_avg_rms vs run
χ² / ndf 4527 / 69
p0 1667 ± 1.454
2200
2100
2000
1900
1800
1700
1600
1500

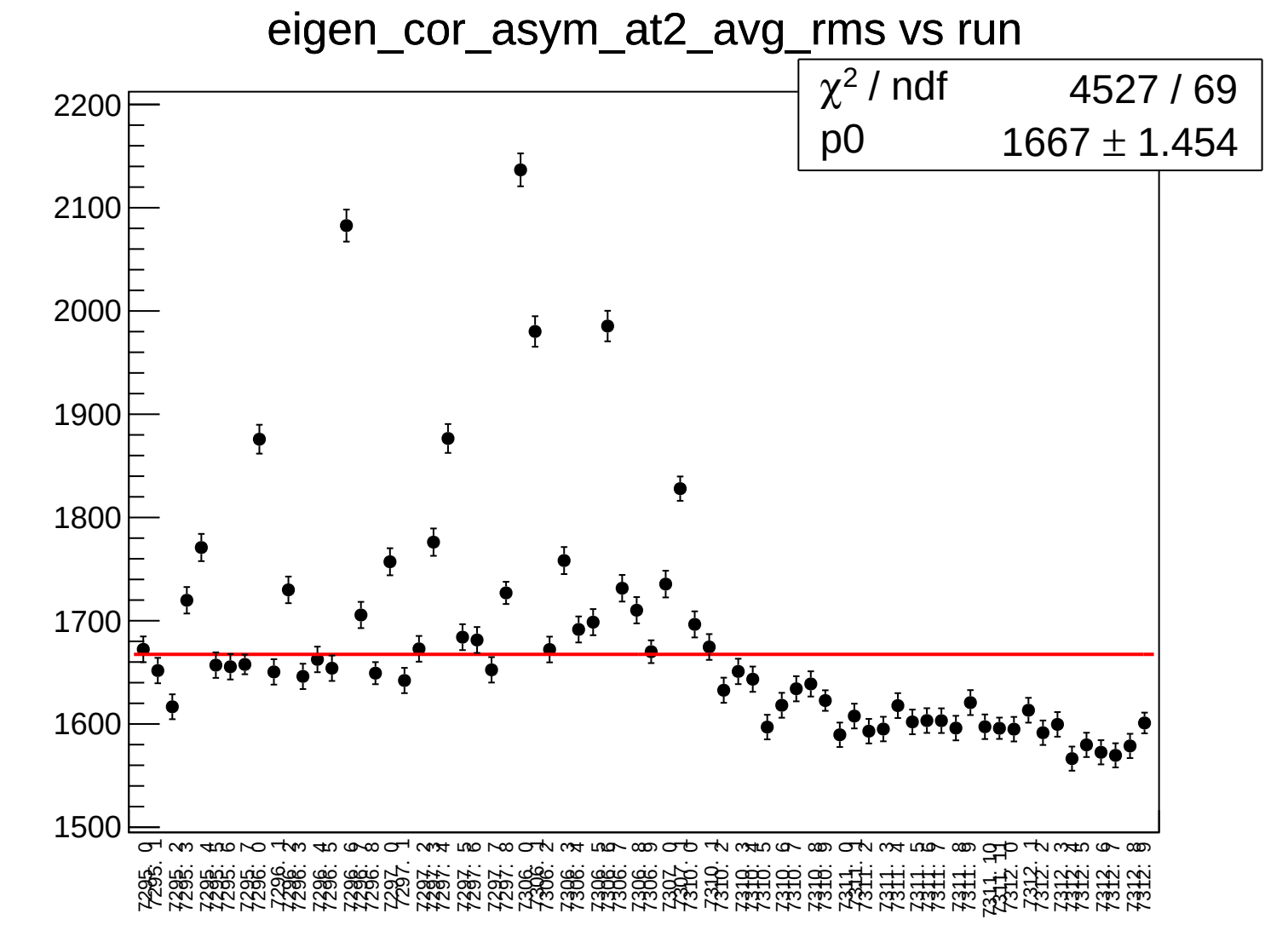

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.34 / 69
p0 −2623 ± 1.219e+04
pull
Entries 70
Mean 777.3
Std Dev 0

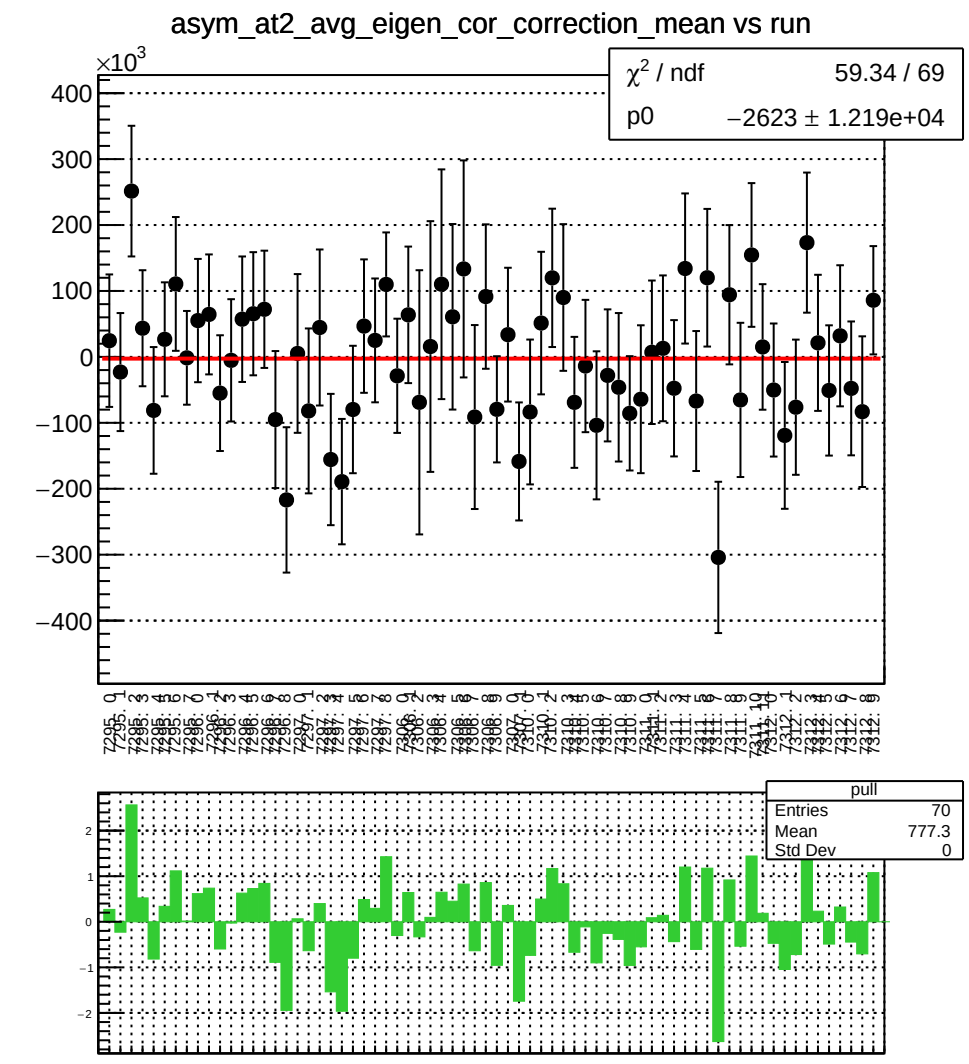

pull1D
Entries 70
Mean −0.002369
Std Dev 0.9207

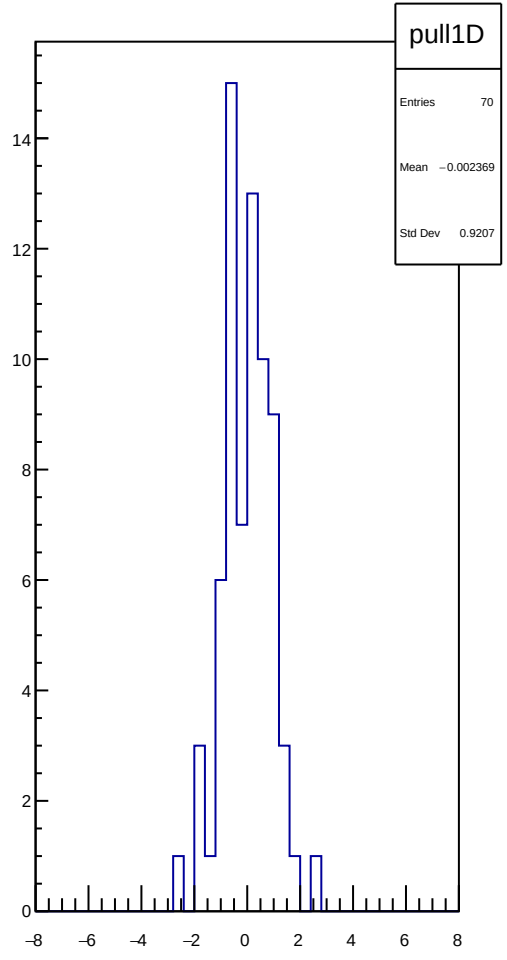

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 2.606e+04 / 69
p0 9798 ± 8.617
20000
18000
16000
14000
12000
10000
8000

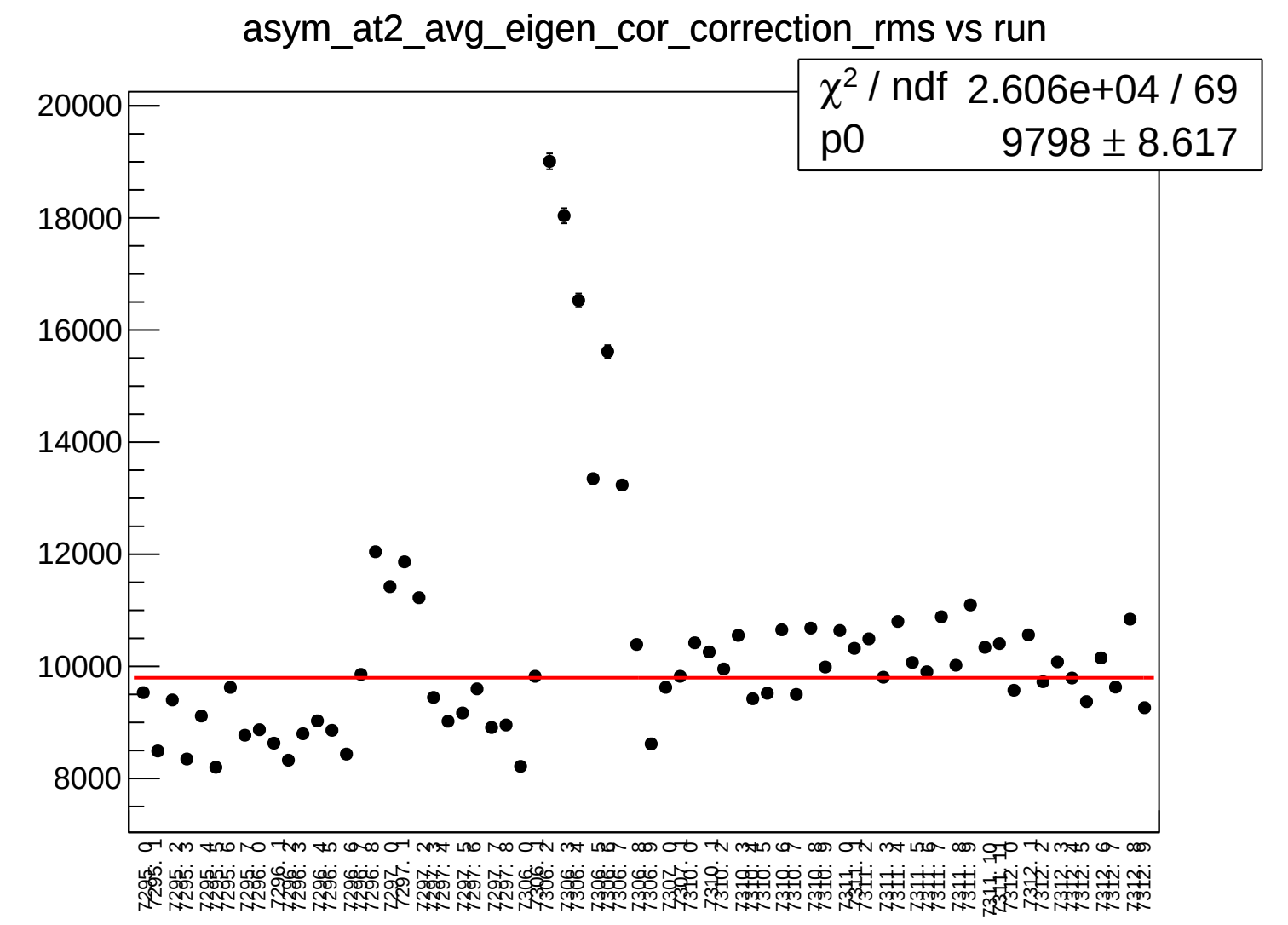

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 71.16 / 69
p0 −2986 ± 2057
pull
Entries 70
Mean −53.67
Std Dev 0

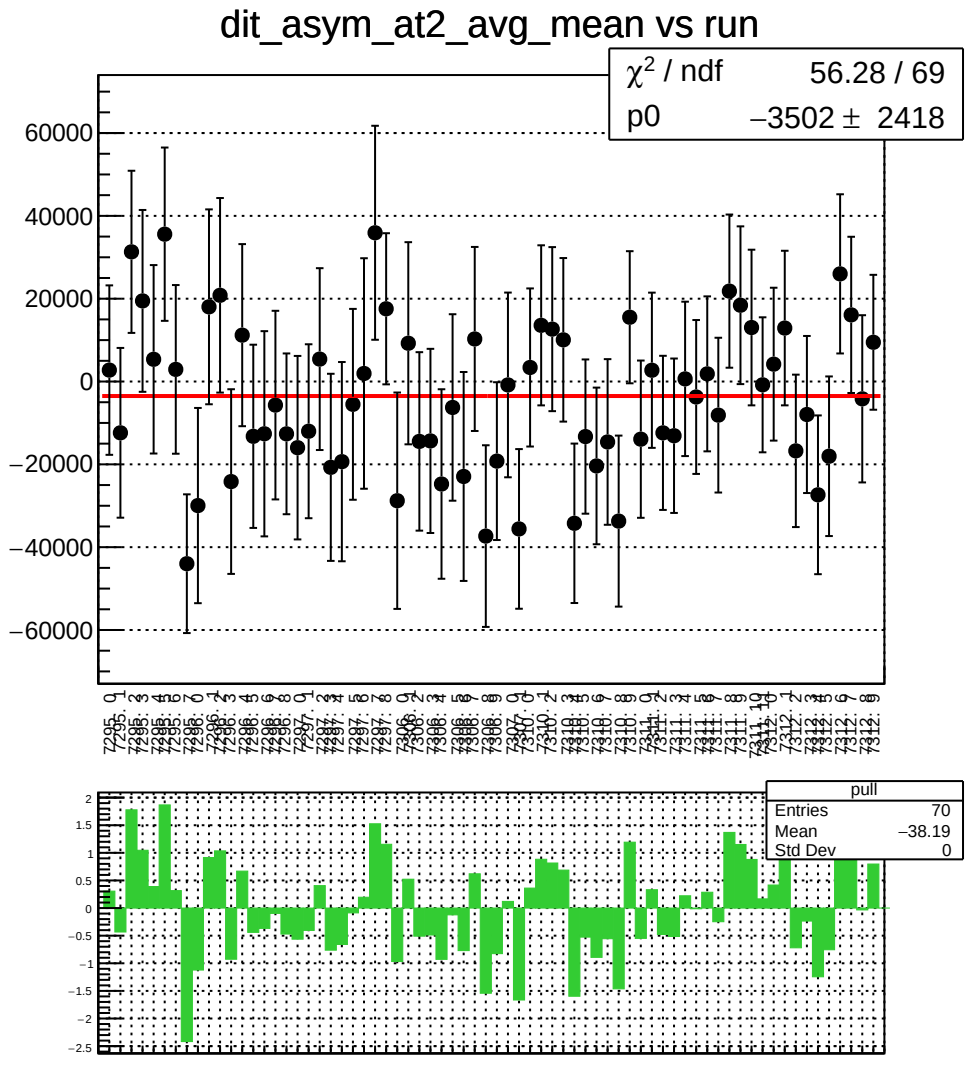

pull1D
Entries 70
Mean −0.01196
Std Dev 1.008

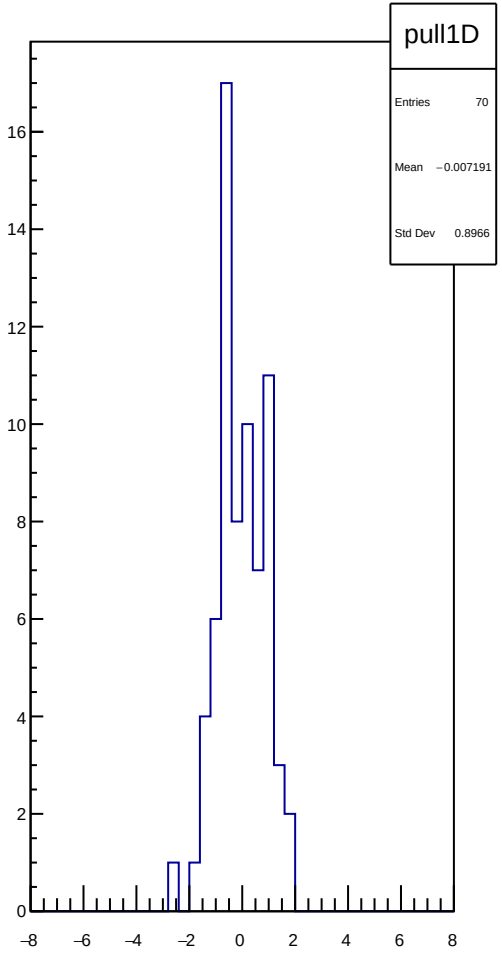

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 4527 / 69
p0 1667 ± 1.454
2200
2100
2000
1900
1800
1700
1600
1500

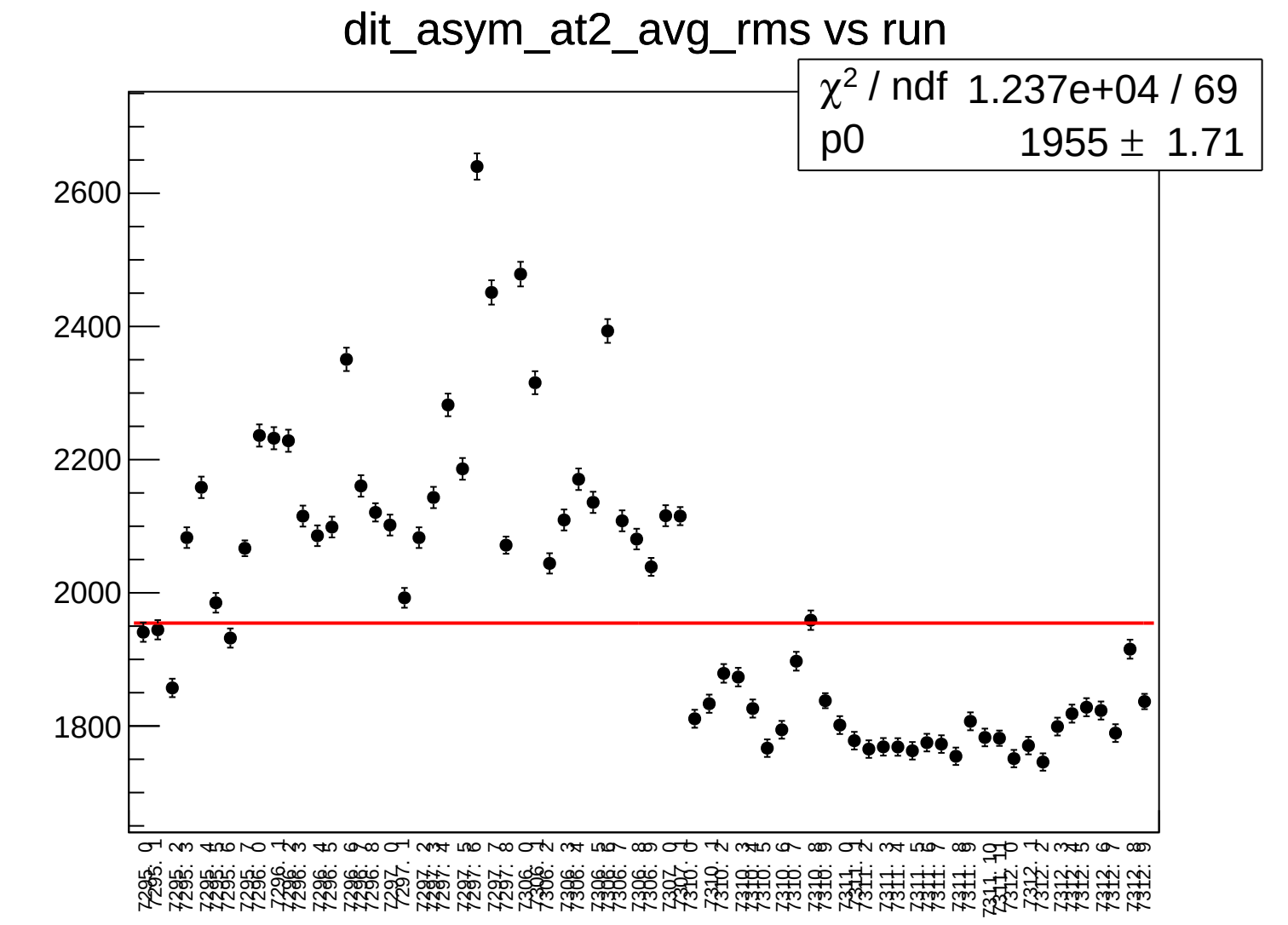

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.34 / 69
p0 −2623 ± 1.219e+04
pull
Entries 70
Mean 777.3
Std Dev 0

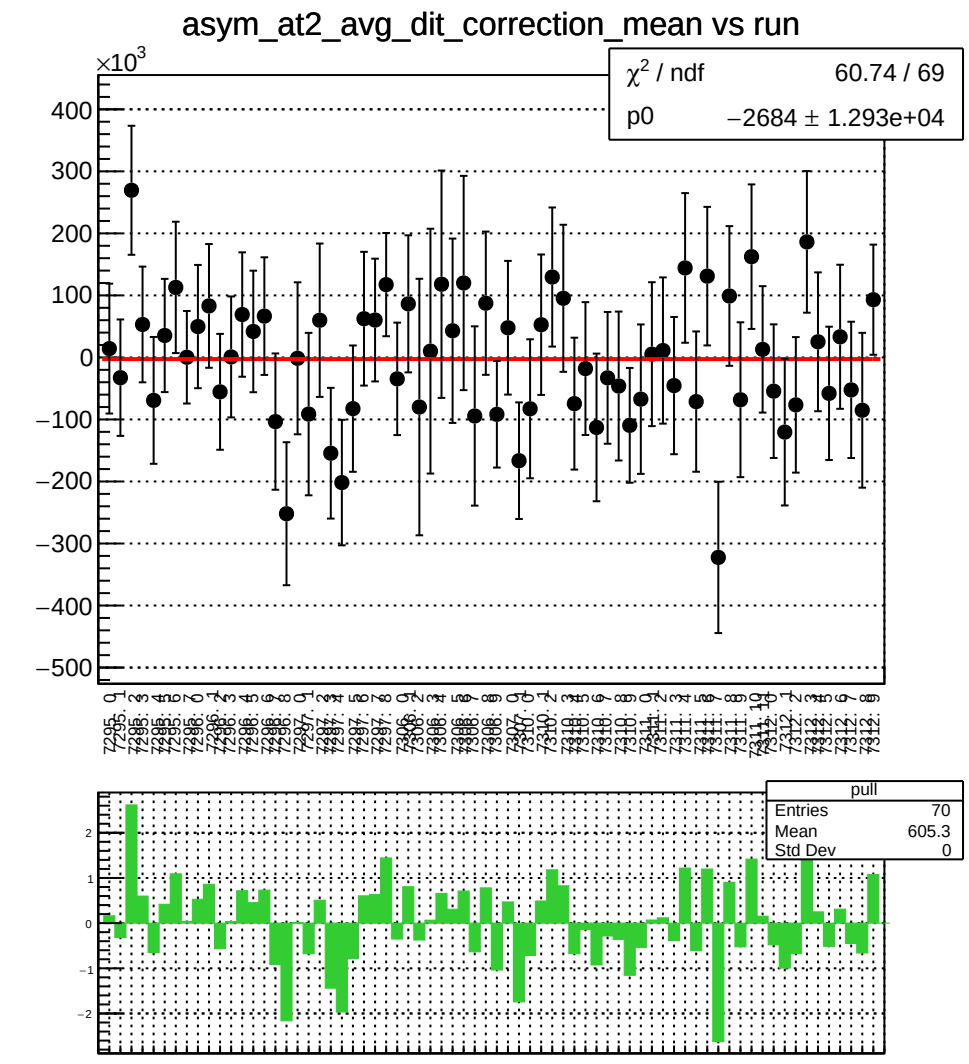

pull1D
Entries 70
Mean −0.002369
Std Dev 0.9207

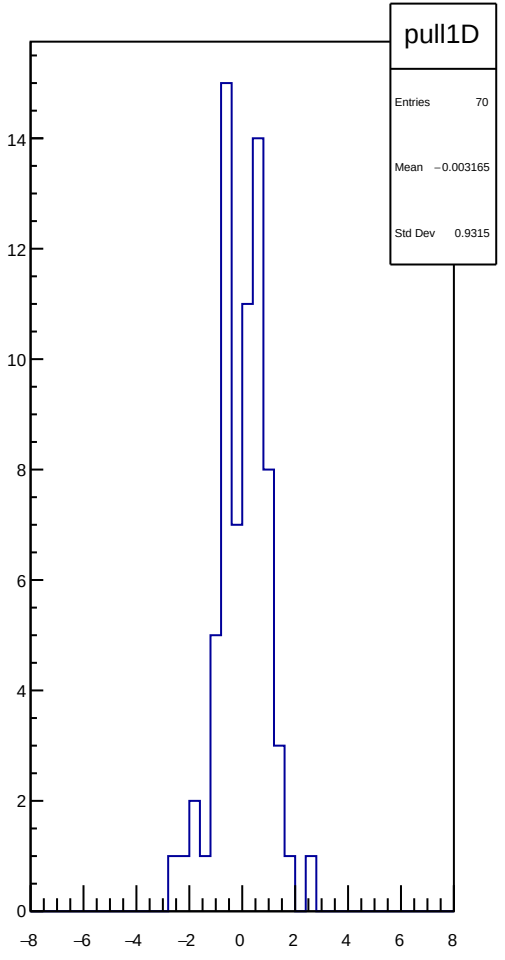

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.606e+04 / 69
p0 9798 ± 8.617
20000
18000
16000
14000
12000
10000
8000

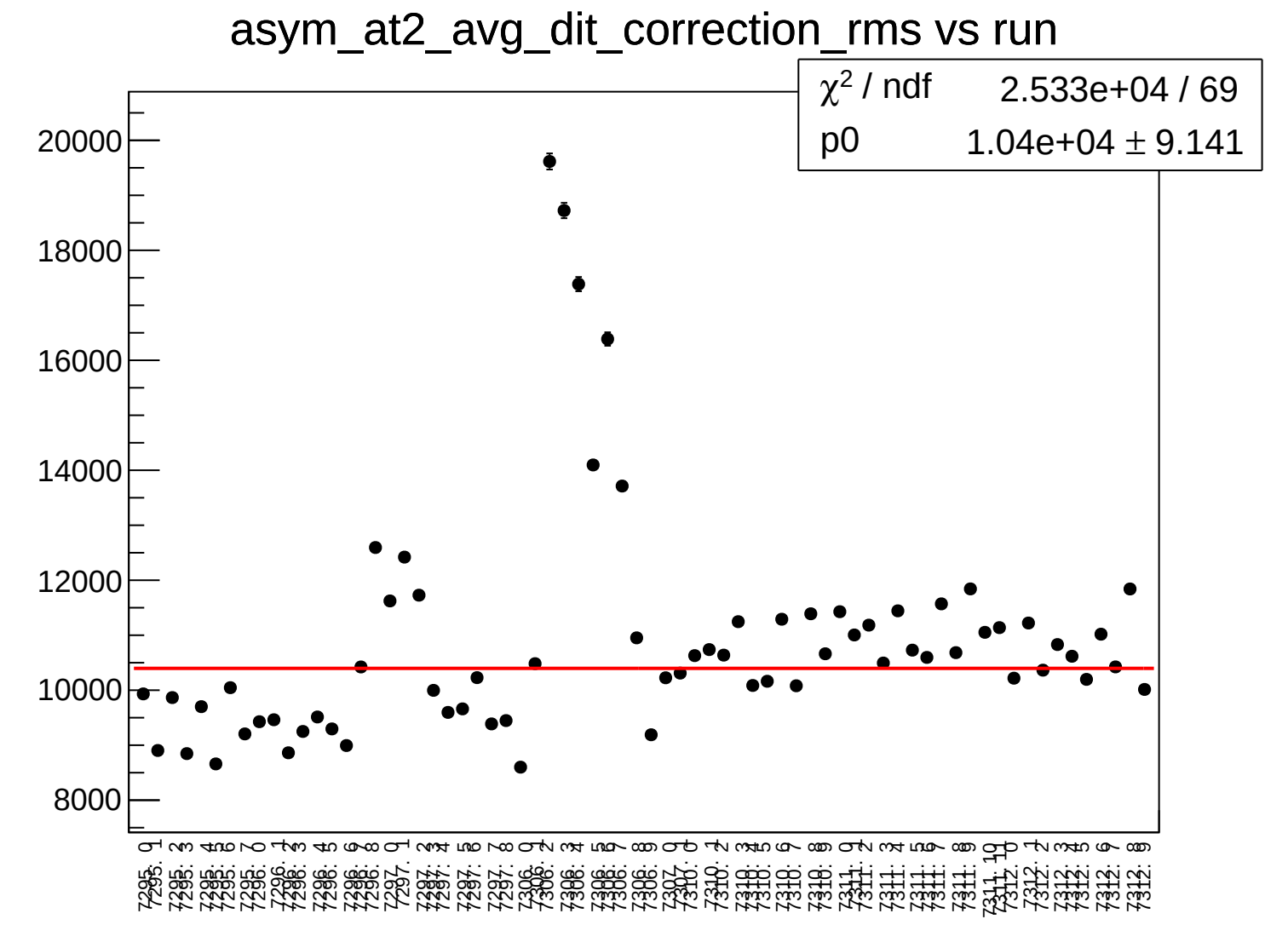

dit_asym_at2_avg_mean vs run
χ² / ndf 56.28 / 69
p0 −3502 ± 2418
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −38.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

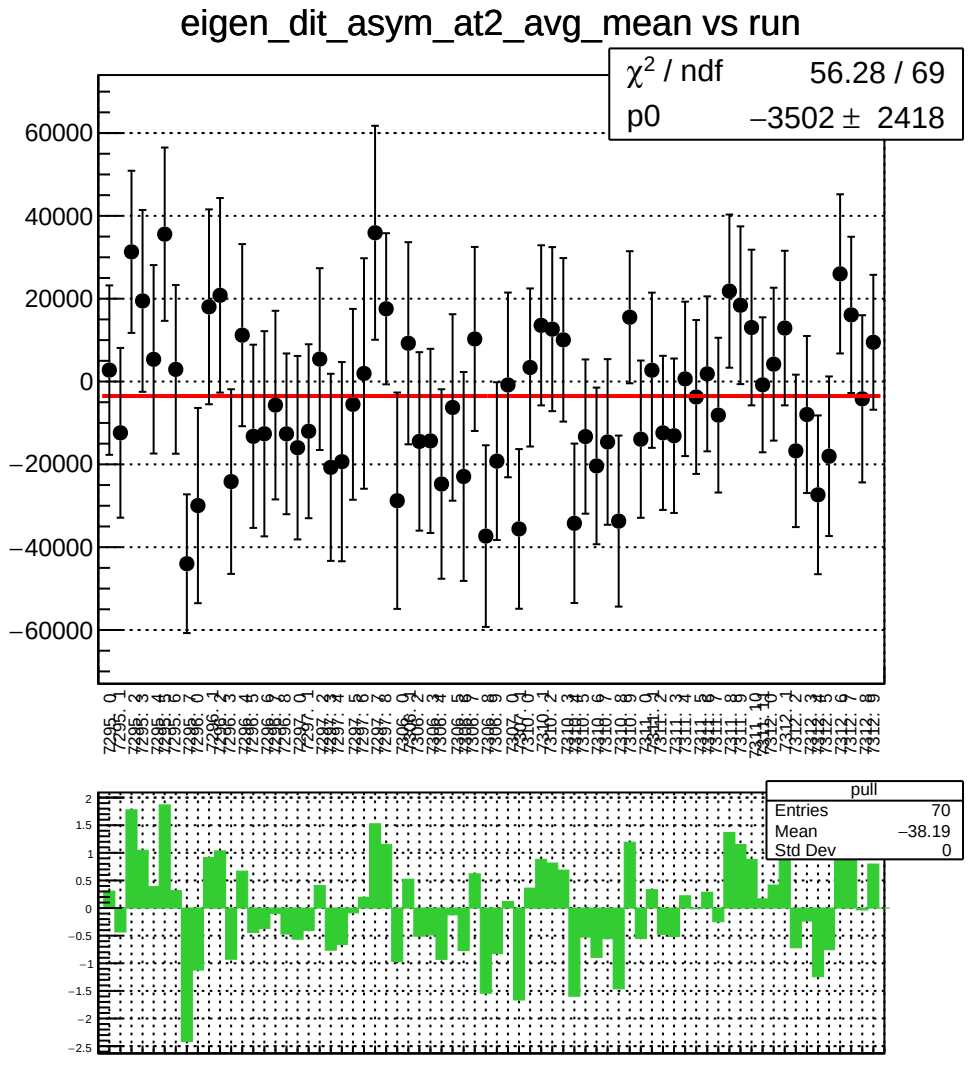

pull1D
Entries 70
Mean −0.007191
Std Dev 0.8966
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

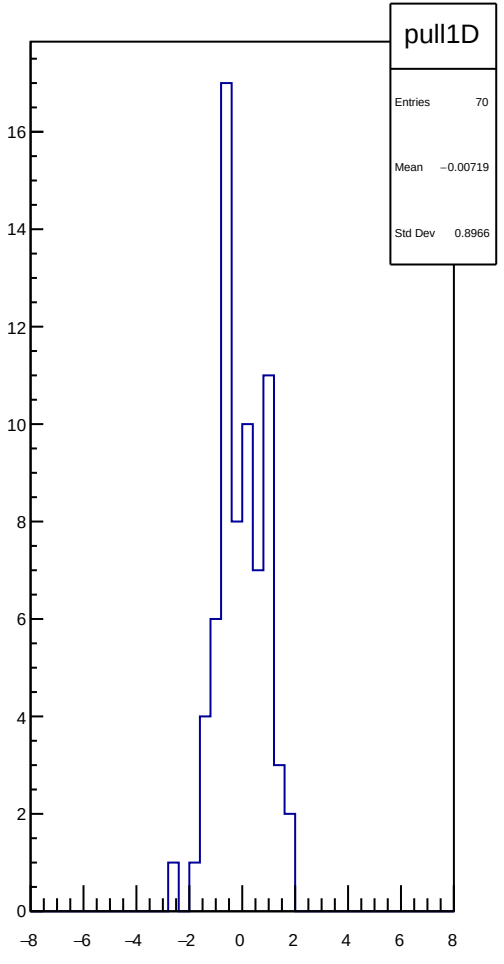

dit_asym_at2_avg_rms vs run
χ² / ndf 1.237e+04 / 69
p0 1955 ± 1.71
2600
2400
2200
2000
1800

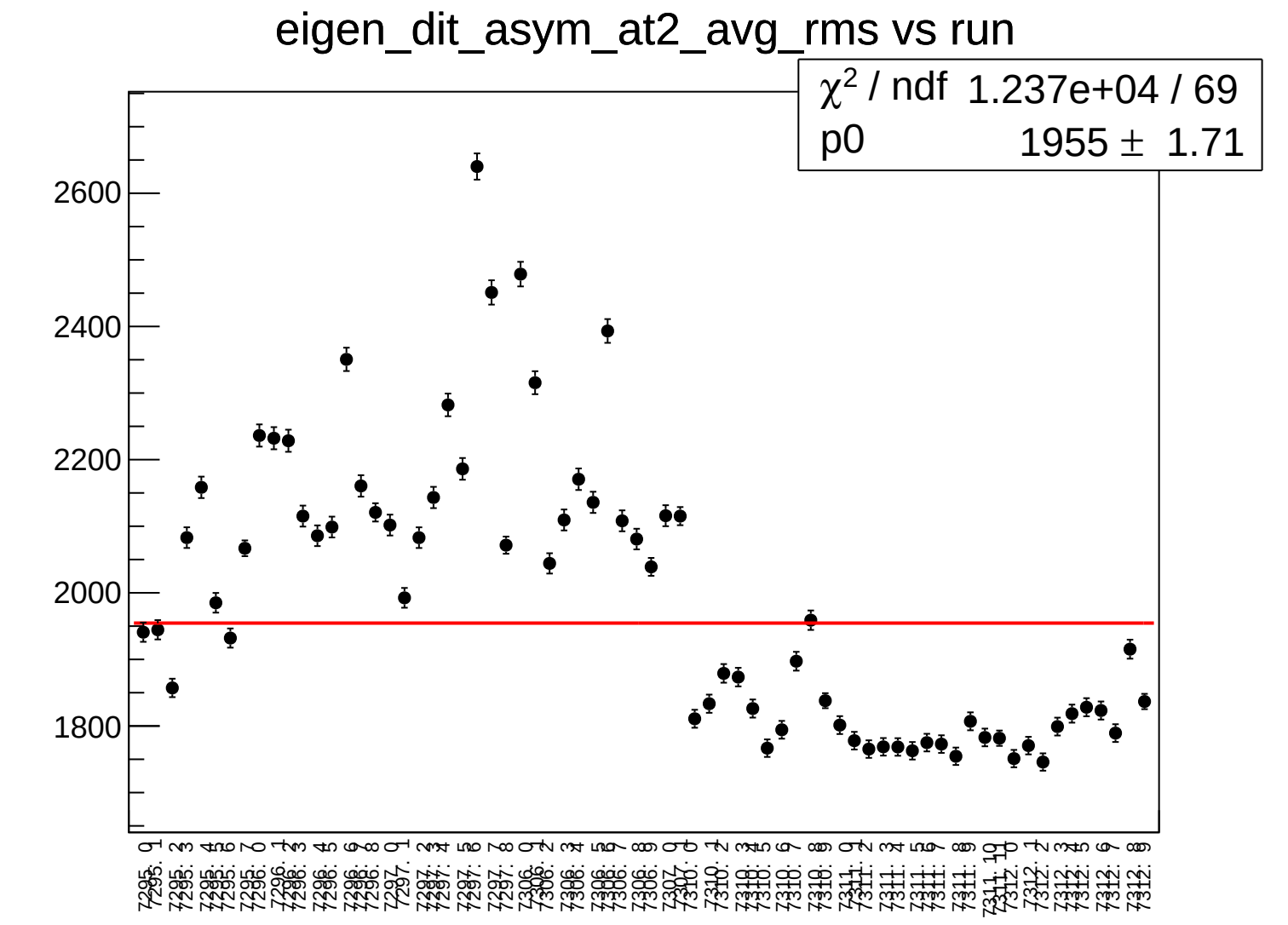

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.74 / 69
p0 −2684 ± 1.293e+04
pull
Entries 70
Mean 605.3
Std Dev 0

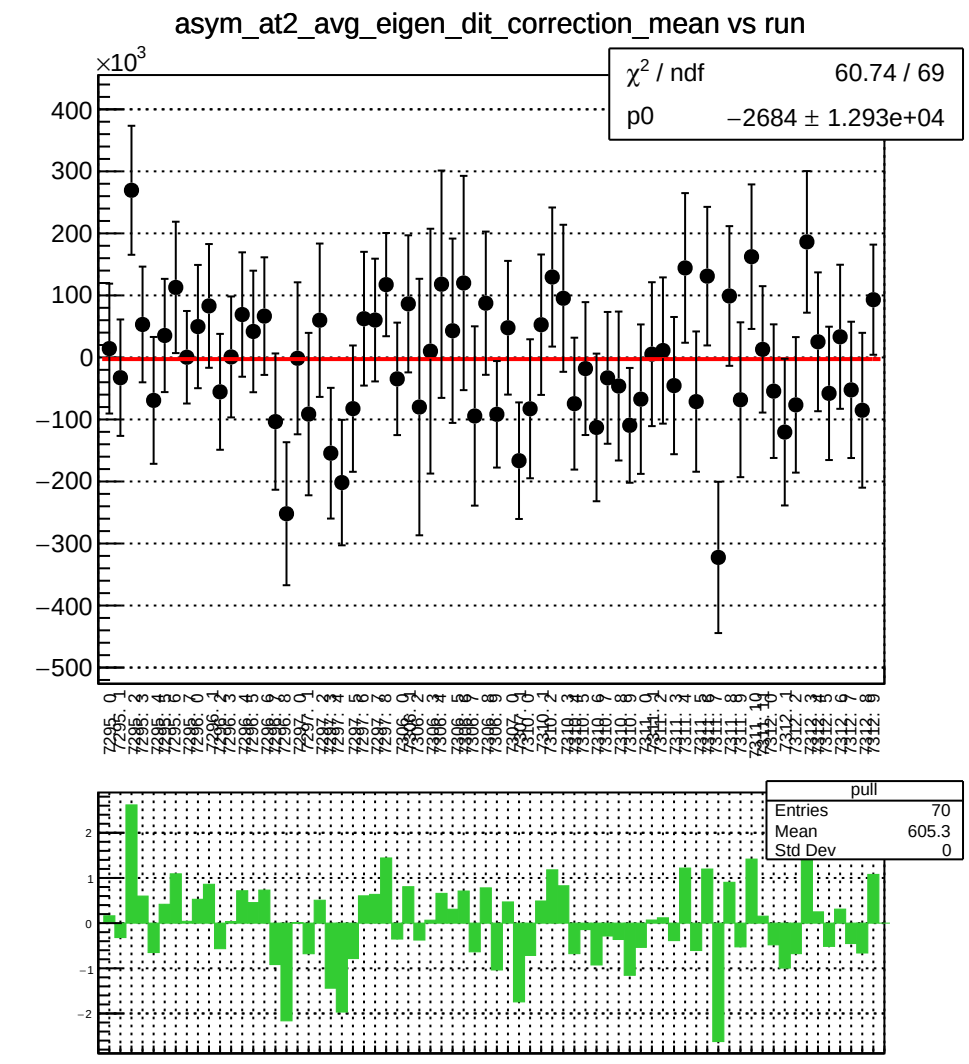

pull1D
Entries 70
Mean −0.003165
Std Dev 0.9315

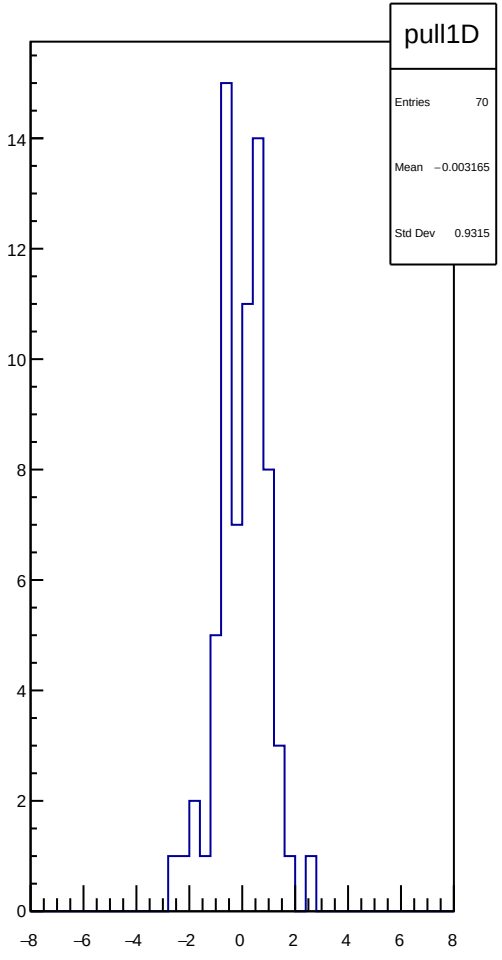

asym_at2_avg_dit_correction_rms vs run
χ^2 / ndf 2.533e+04 / 69
p0 1.04e+04 ± 9.141
20000
18000
16000
14000
12000
10000
8000

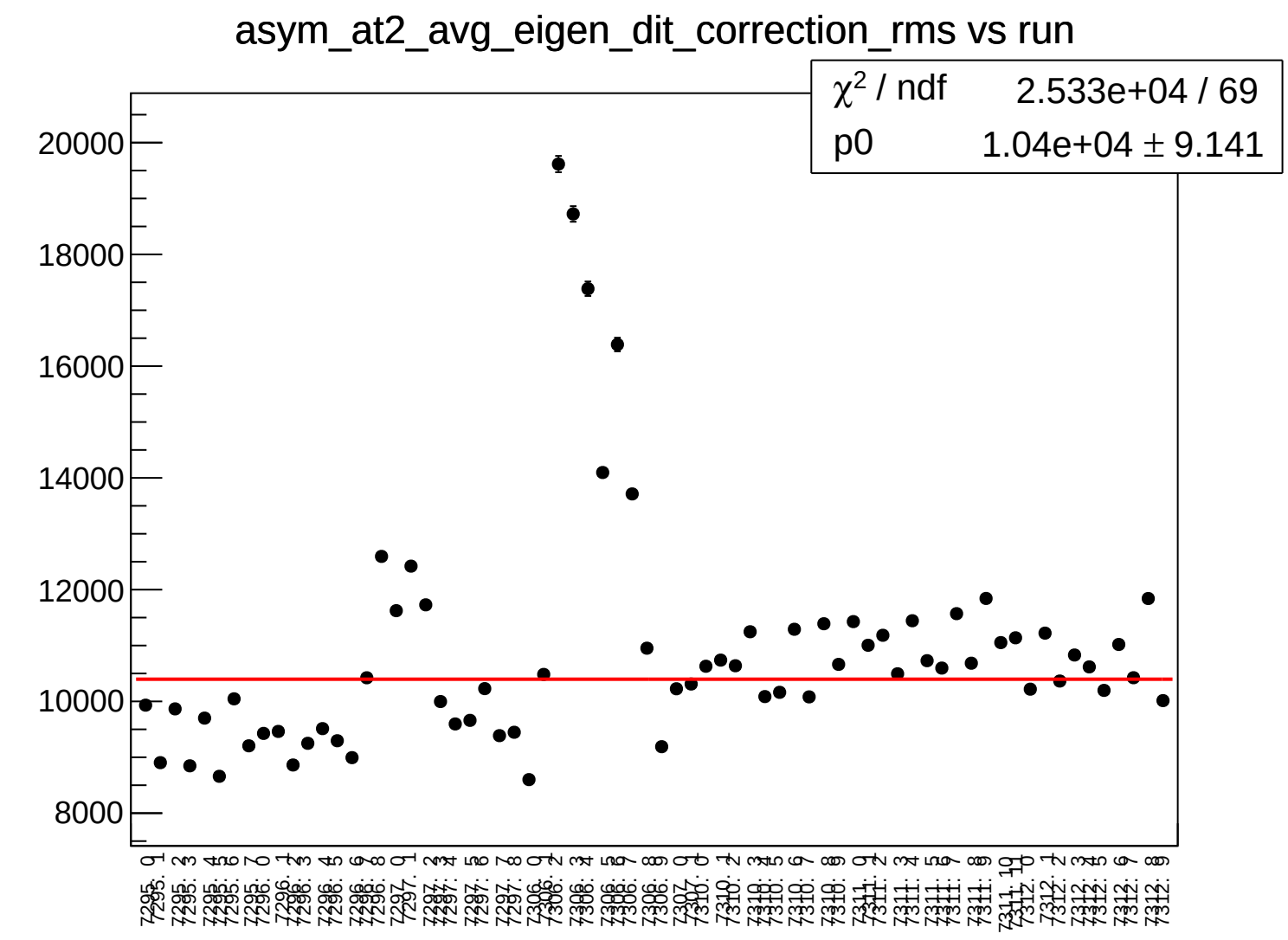

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 56.28 / 69
p0 −3502 ± 2418
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −38.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

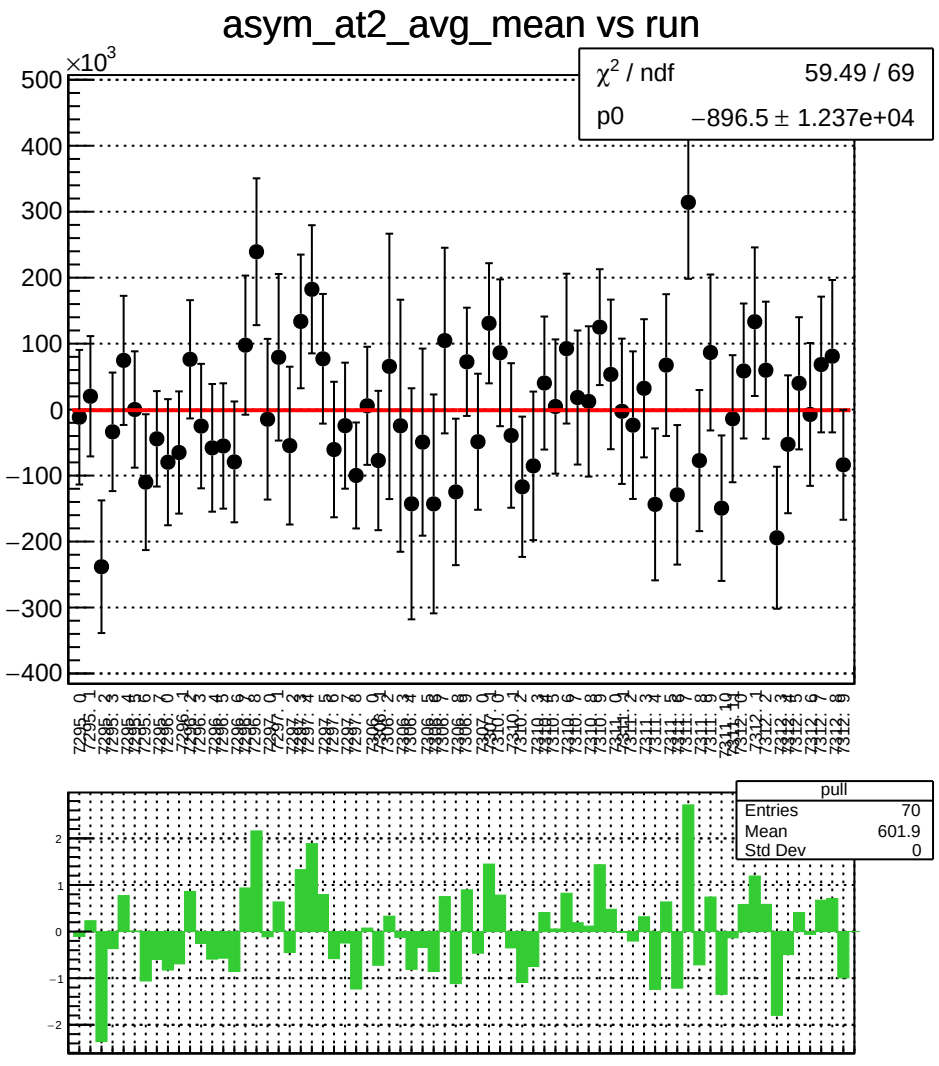

pull1D
Entries 70
Mean −0.00719
Std Dev 0.8966
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

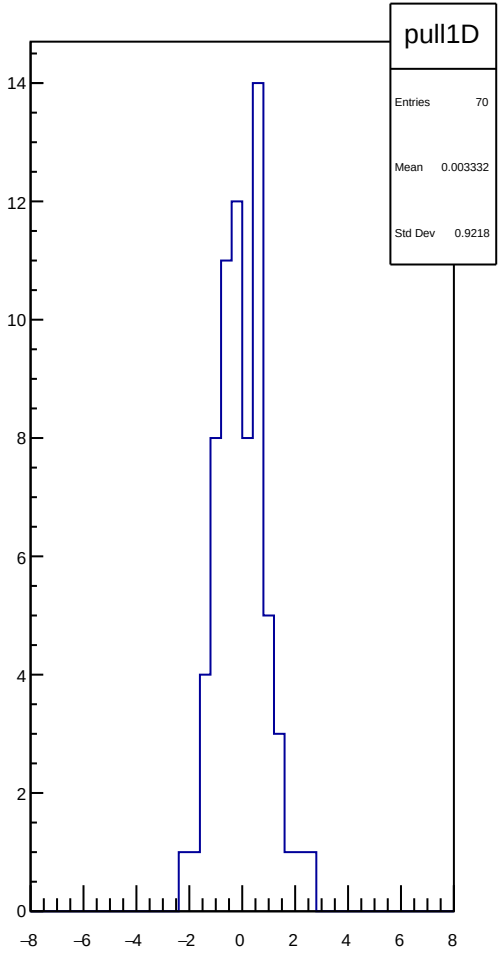

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 1.237e+04 / 69
p0 1955 ± 1.71
2600
2400
2200
2000
1800

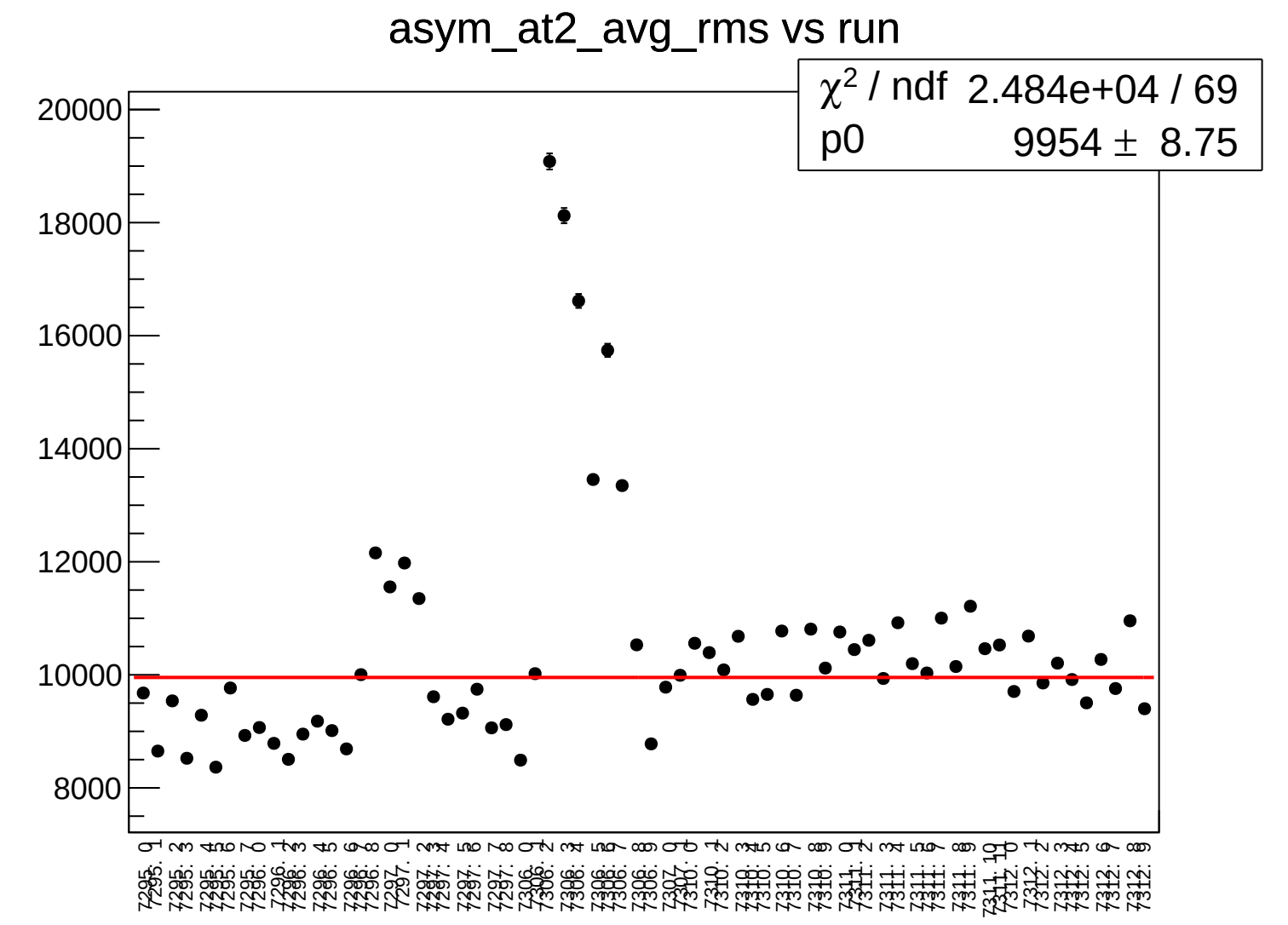

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.74 / 69
p0 −2684 ± 1.293e+04
pull
Entries 70
Mean 605.3
Std Dev 0

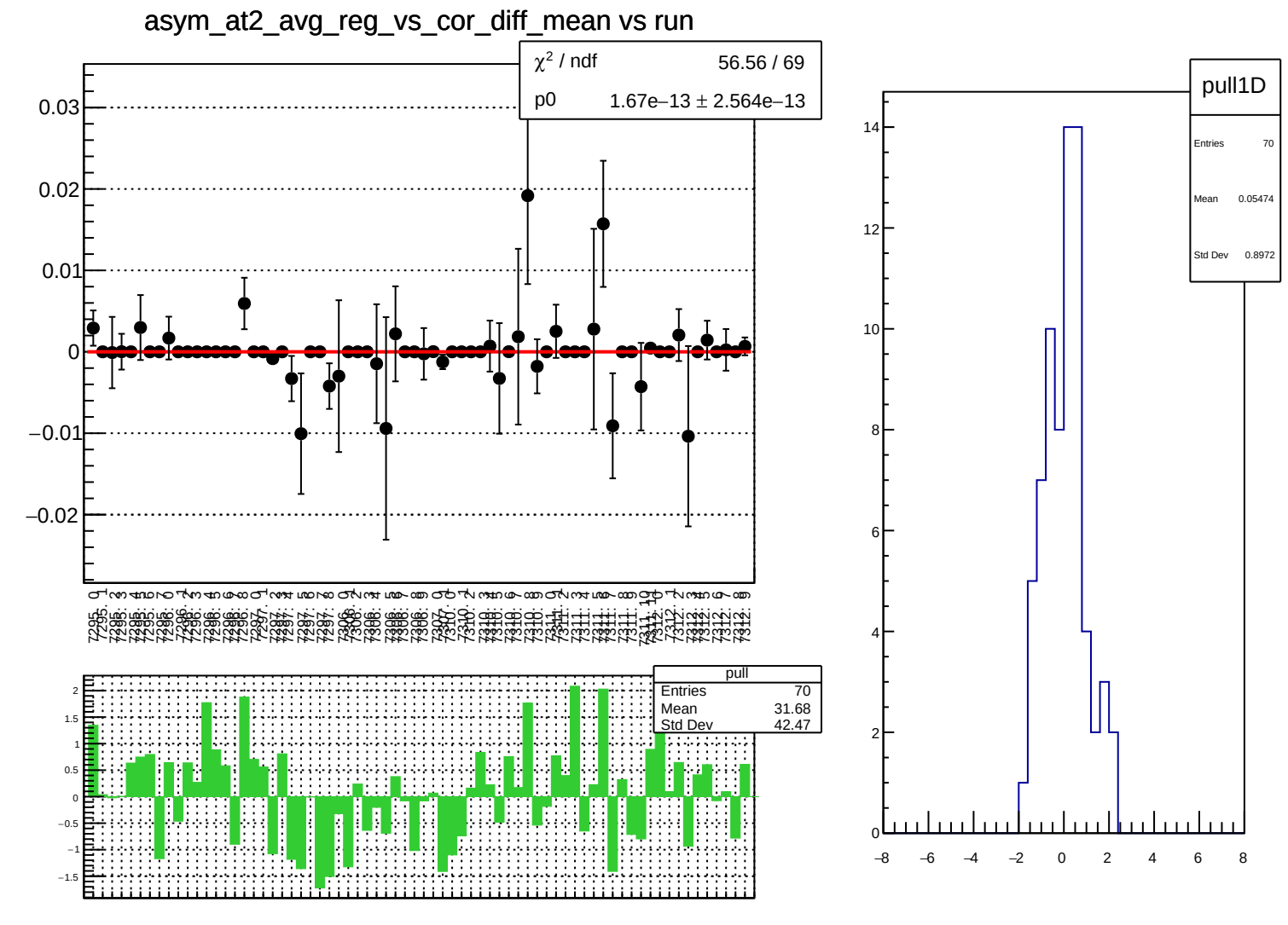

pull1D
Entries 70
Mean −0.003165
Std Dev 0.9315

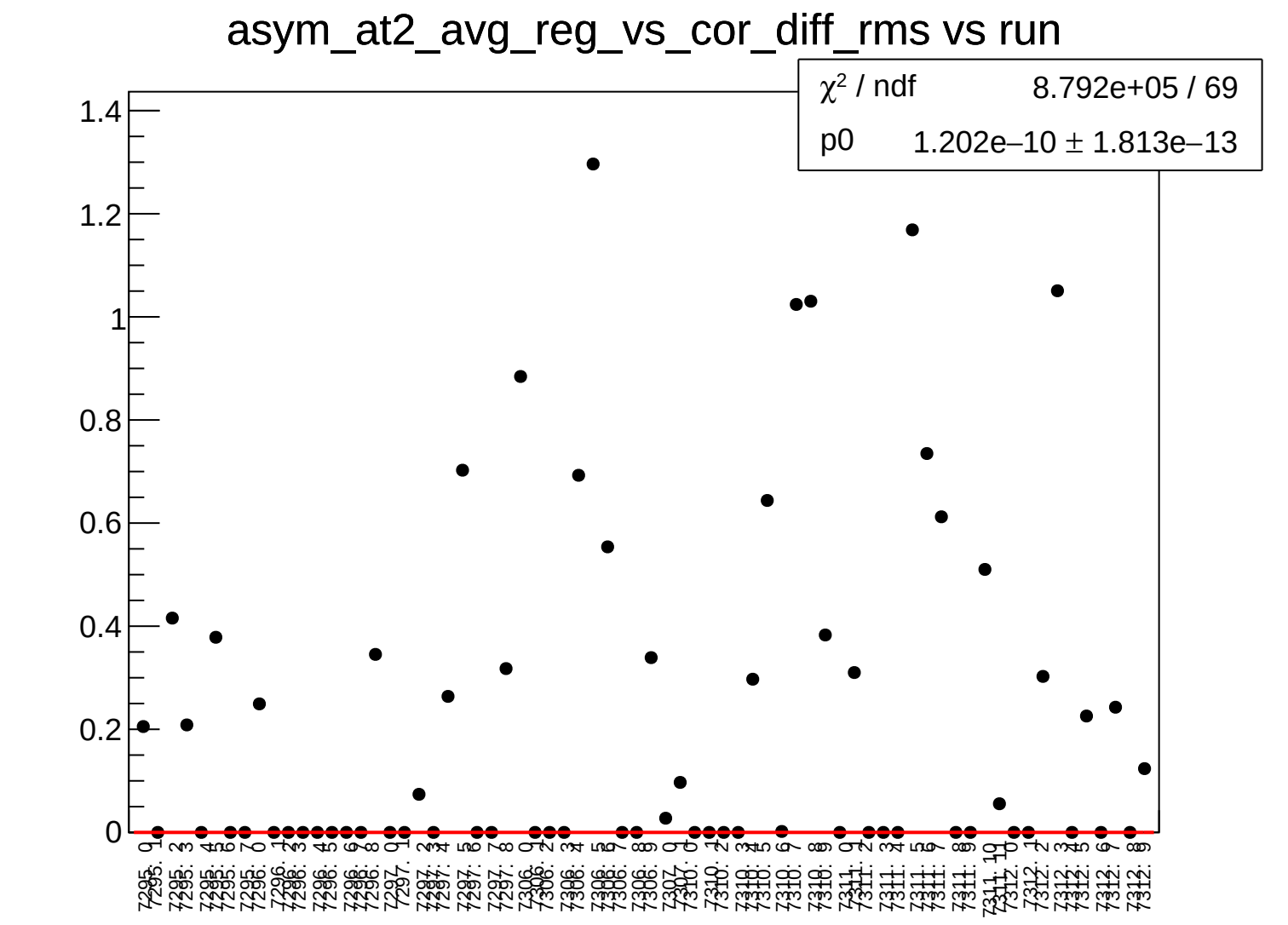

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.533e+04 / 69
p0 1.04e+04 ± 9.141
20000
18000
16000
14000
12000
10000
8000

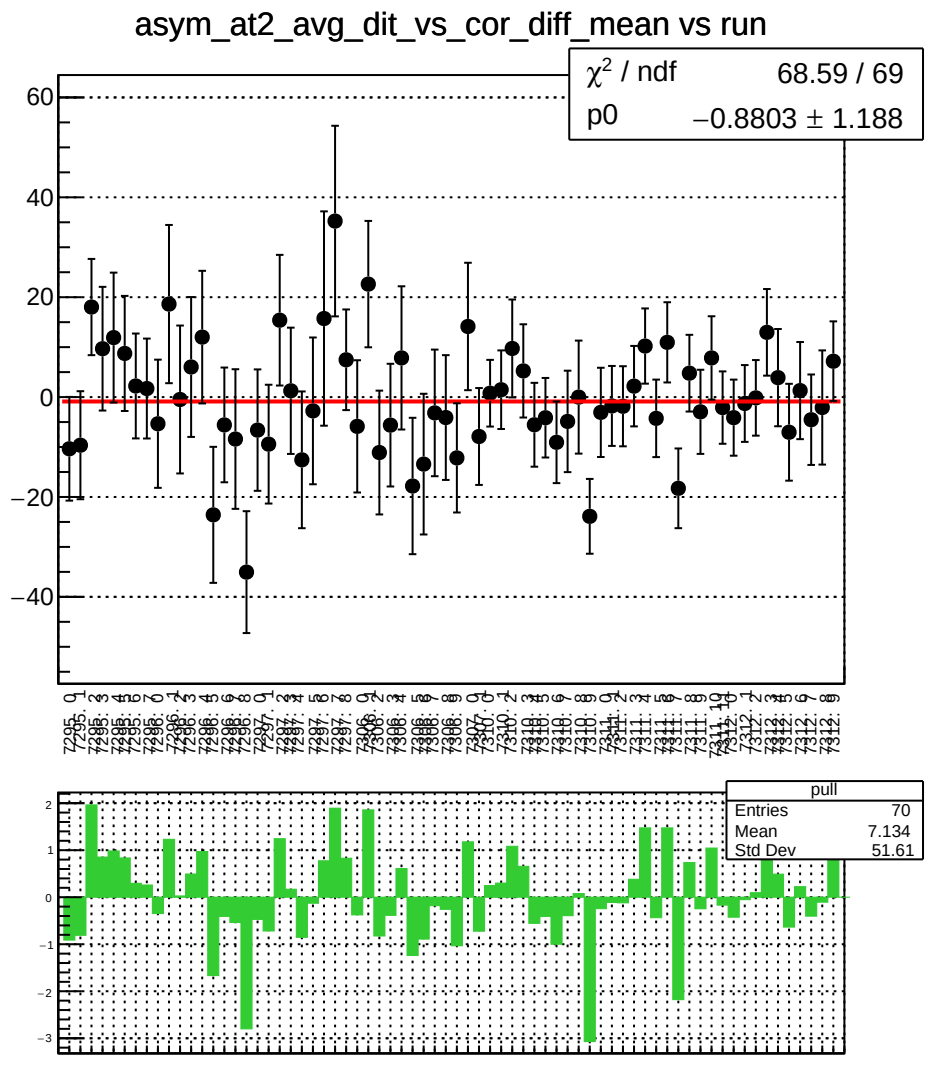

asym_at2_avg_mean vs run
×10^3
χ² / ndf 59.49 / 69
p0 −896.5 ± 1.237e+04
pull
Entries 70
Mean 601.9
Std Dev 0

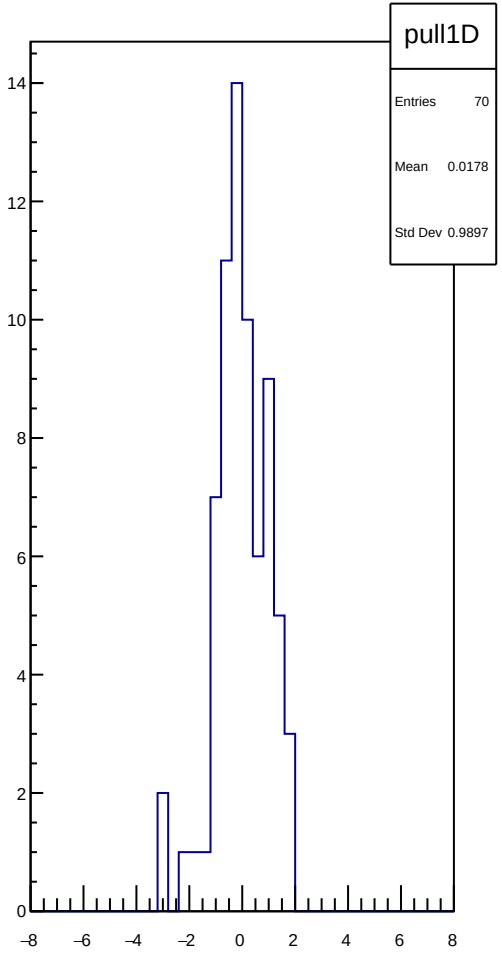

pull1D
Entries 70
Mean 0.003332
Std Dev 0.9218

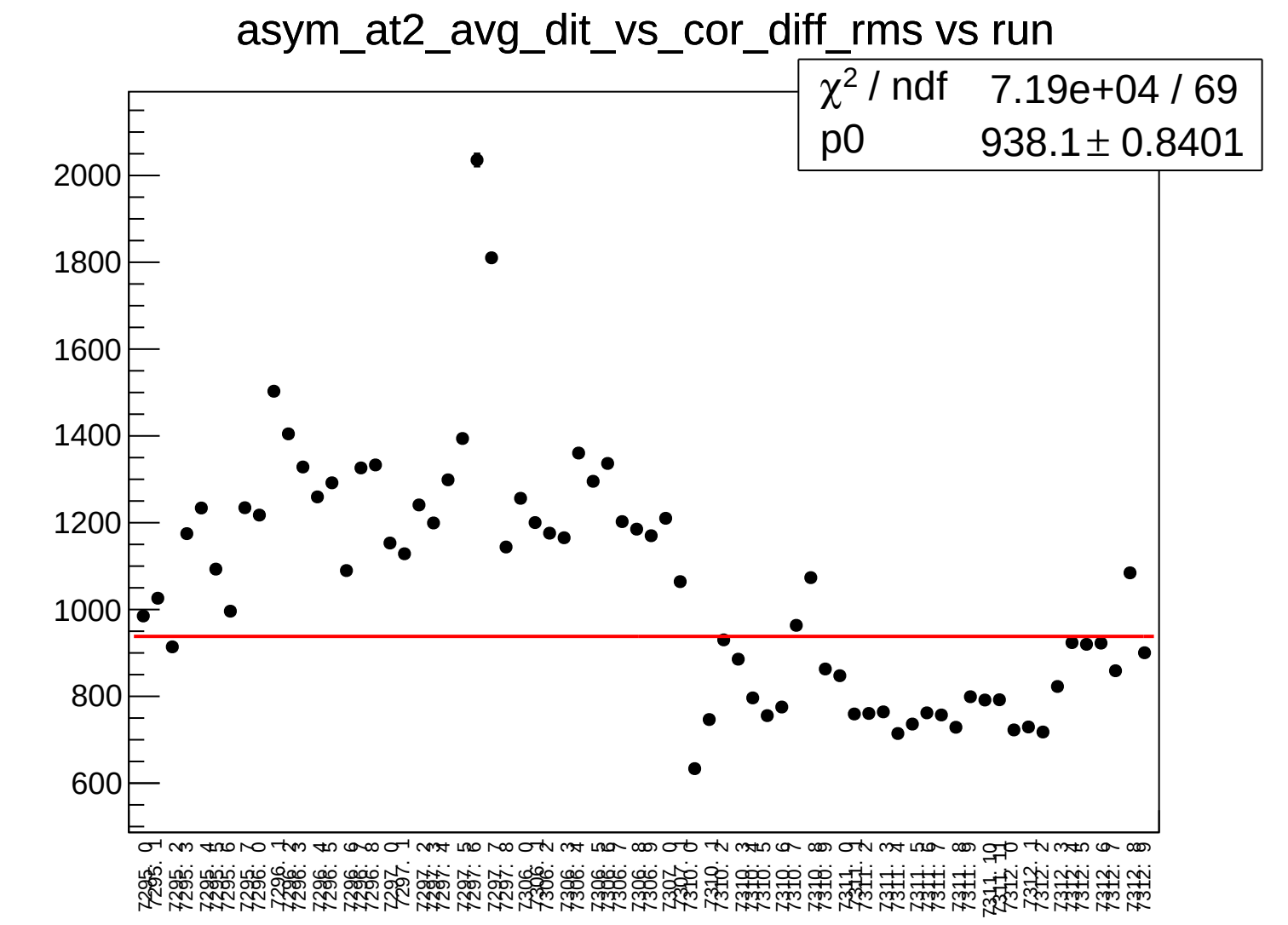

asym_at2_avg_rms vs run
χ² / ndf 2.484e+04 / 69
p0 9954 ± 8.75
20000
18000
16000
14000
12000
10000
8000

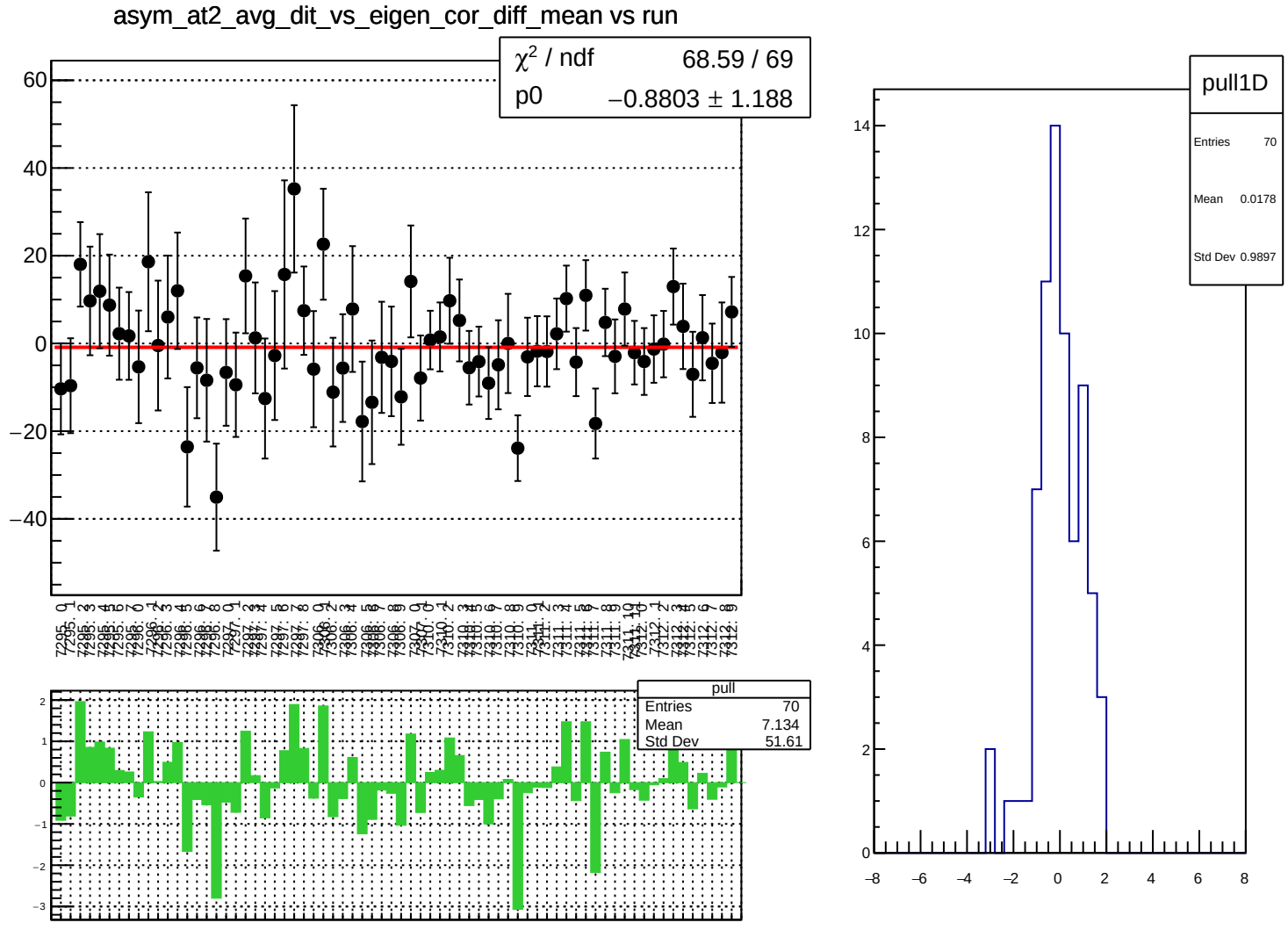

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.56 / 69
p0 1.67e−13 ± 2.564e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean 31.68
Std Dev 42.47
pull1D
Entries 70
Mean 0.05474
Std Dev 0.8972

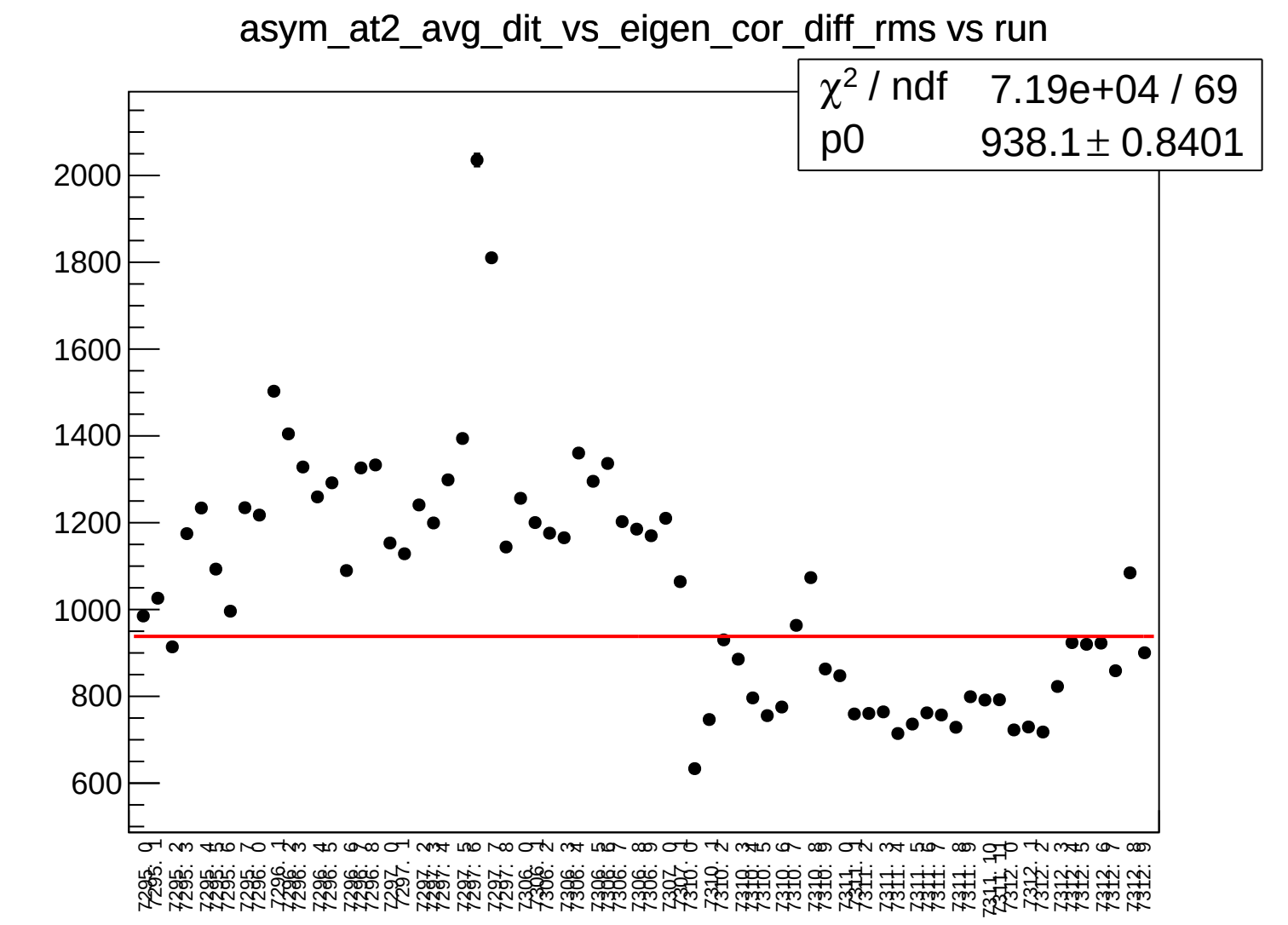

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.792e+05 / 69
p0 1.202e−10 ± 1.813e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

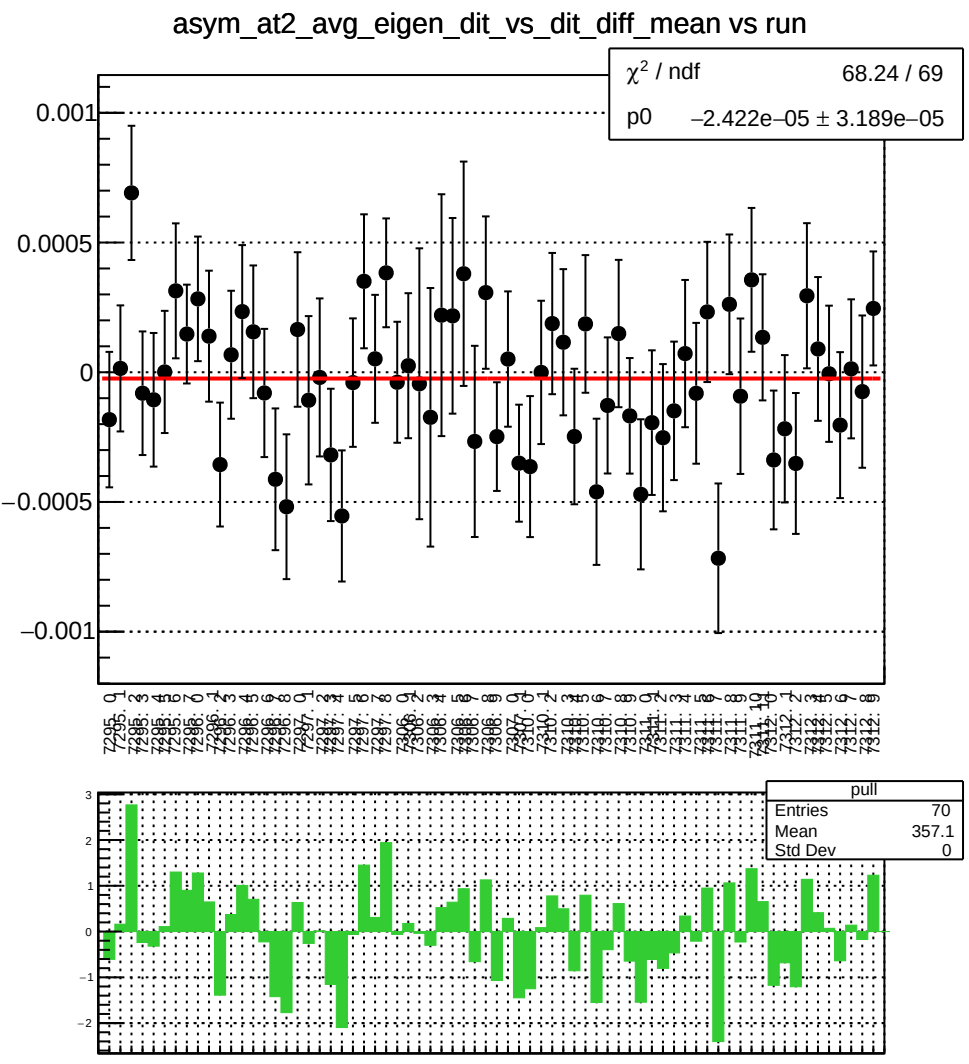

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.59 / 69
p0 −0.8803 ± 1.188
pull
Entries 70
Mean 7.134
Std Dev 51.61

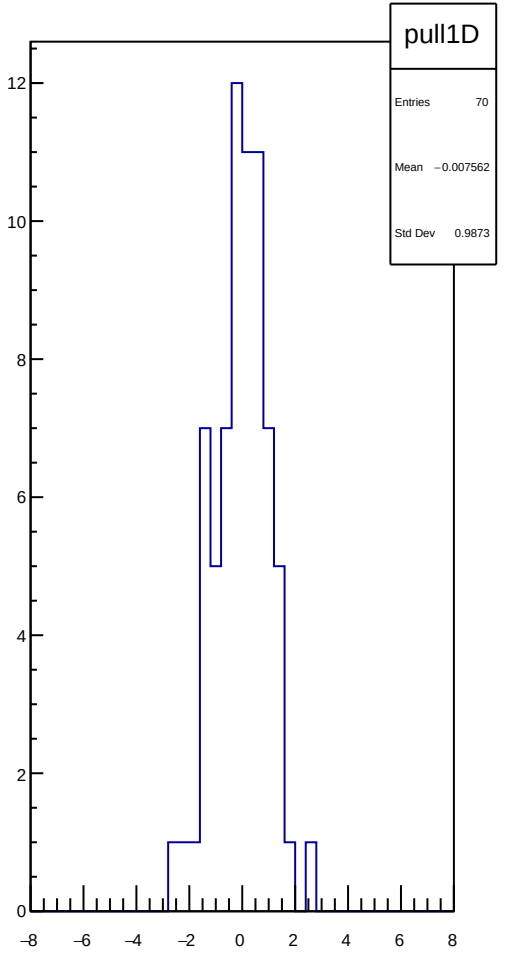

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9897

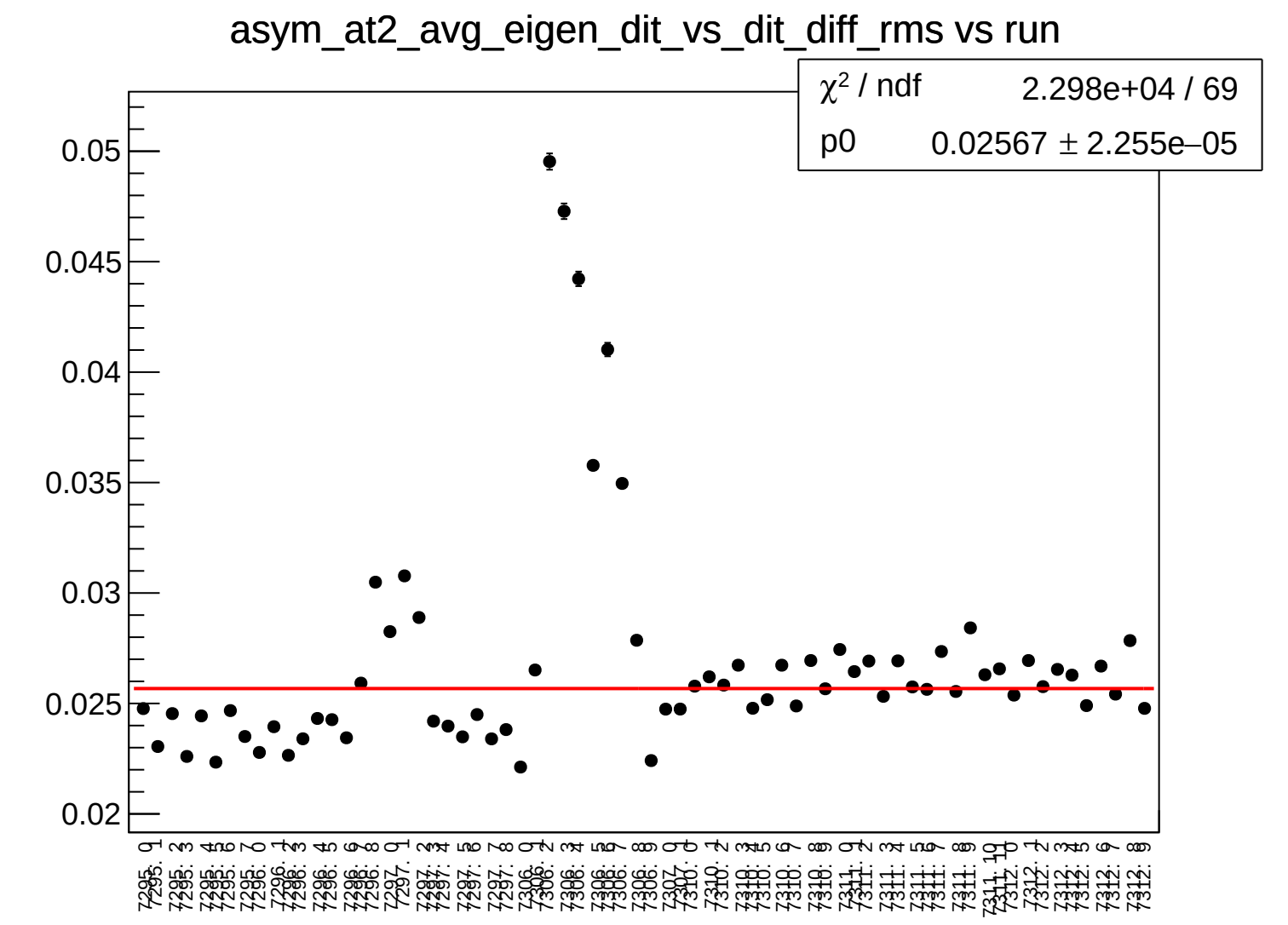

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.19e+04 / 69
p0 938.1 ± 0.8401
2000
1800
1600
1400
1200
1000
800
600

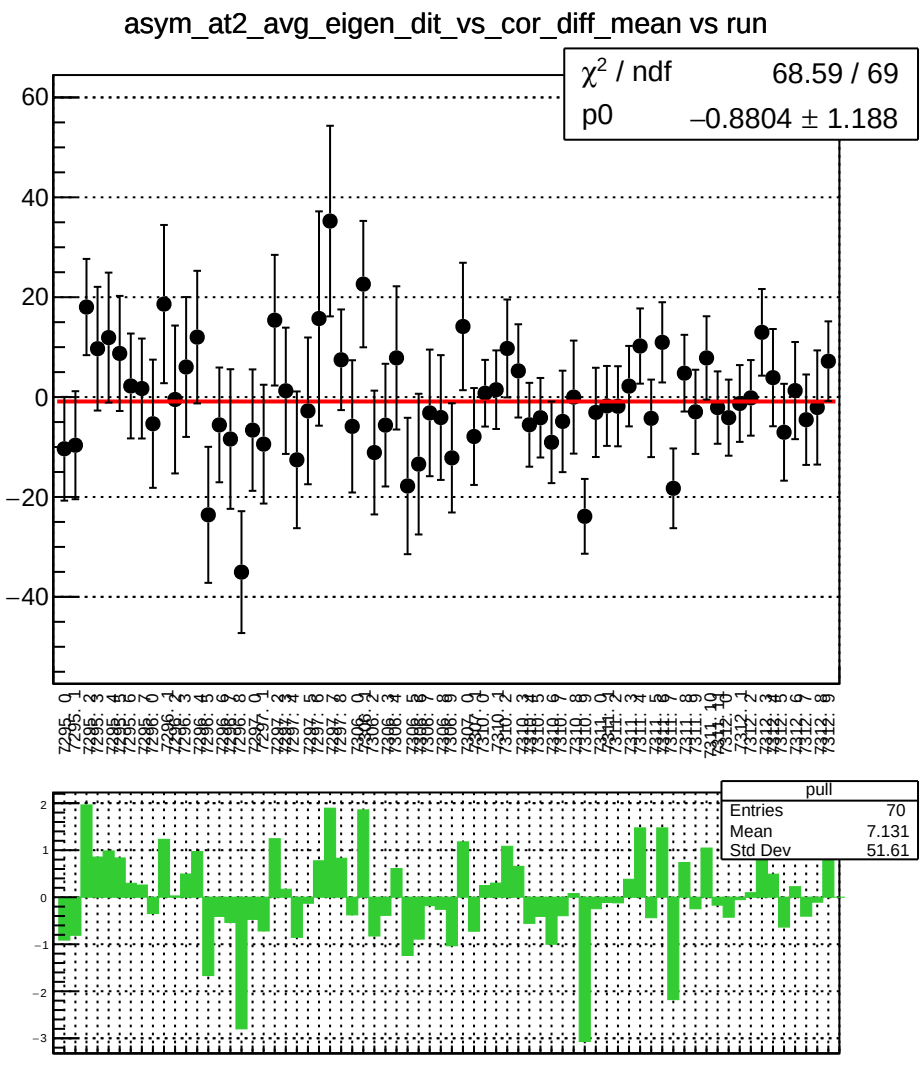

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.59 / 69
p0 −0.8803 ± 1.188
pull
Entries 70
Mean 7.134
Std Dev 51.61
pull1D
Entries 70
Mean 0.0178
Std Dev 0.9897

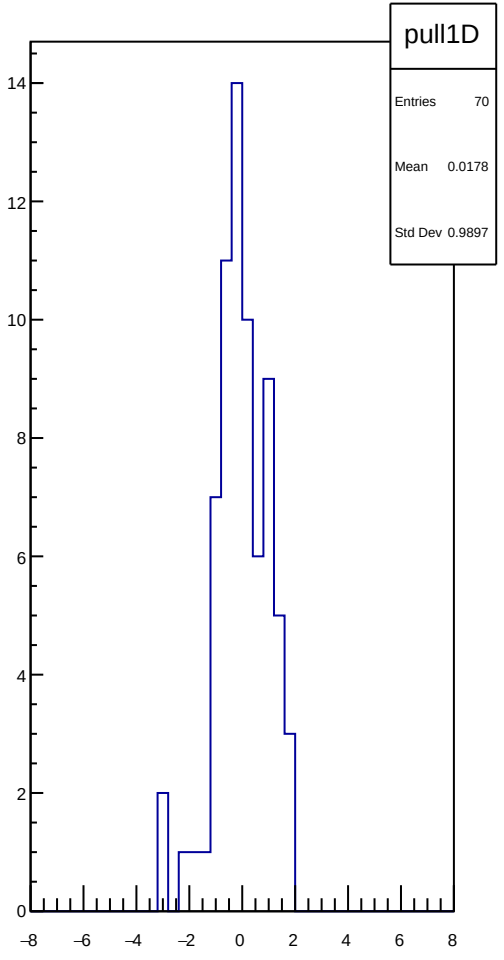

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.19e+04 / 69
p0 938.1 ± 0.8401
2000
1800
1600
1400
1200
1000
800
600

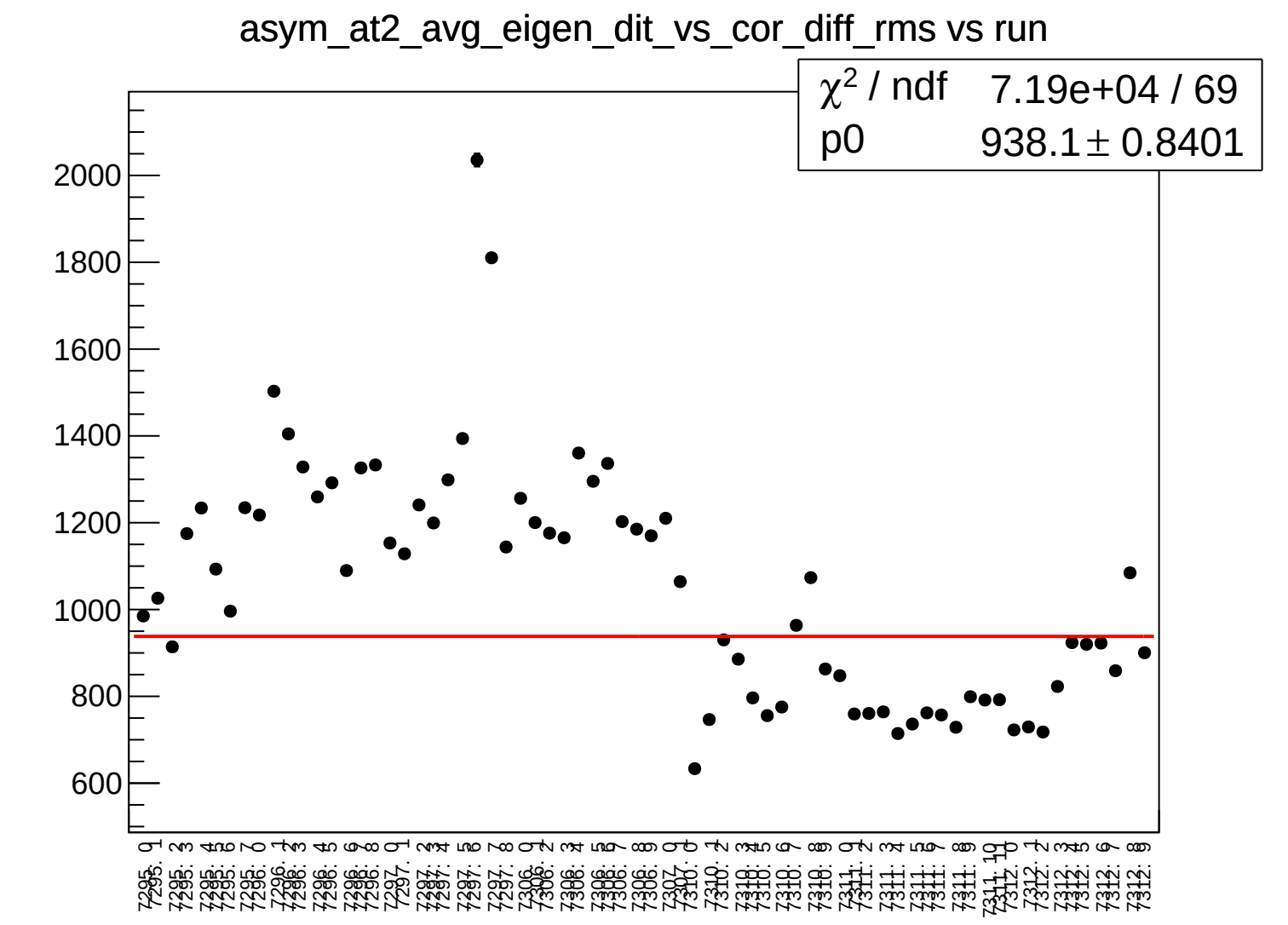

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.24 / 69
p0 −2.422e−05 ± 3.189e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 357.1
Std Dev 0

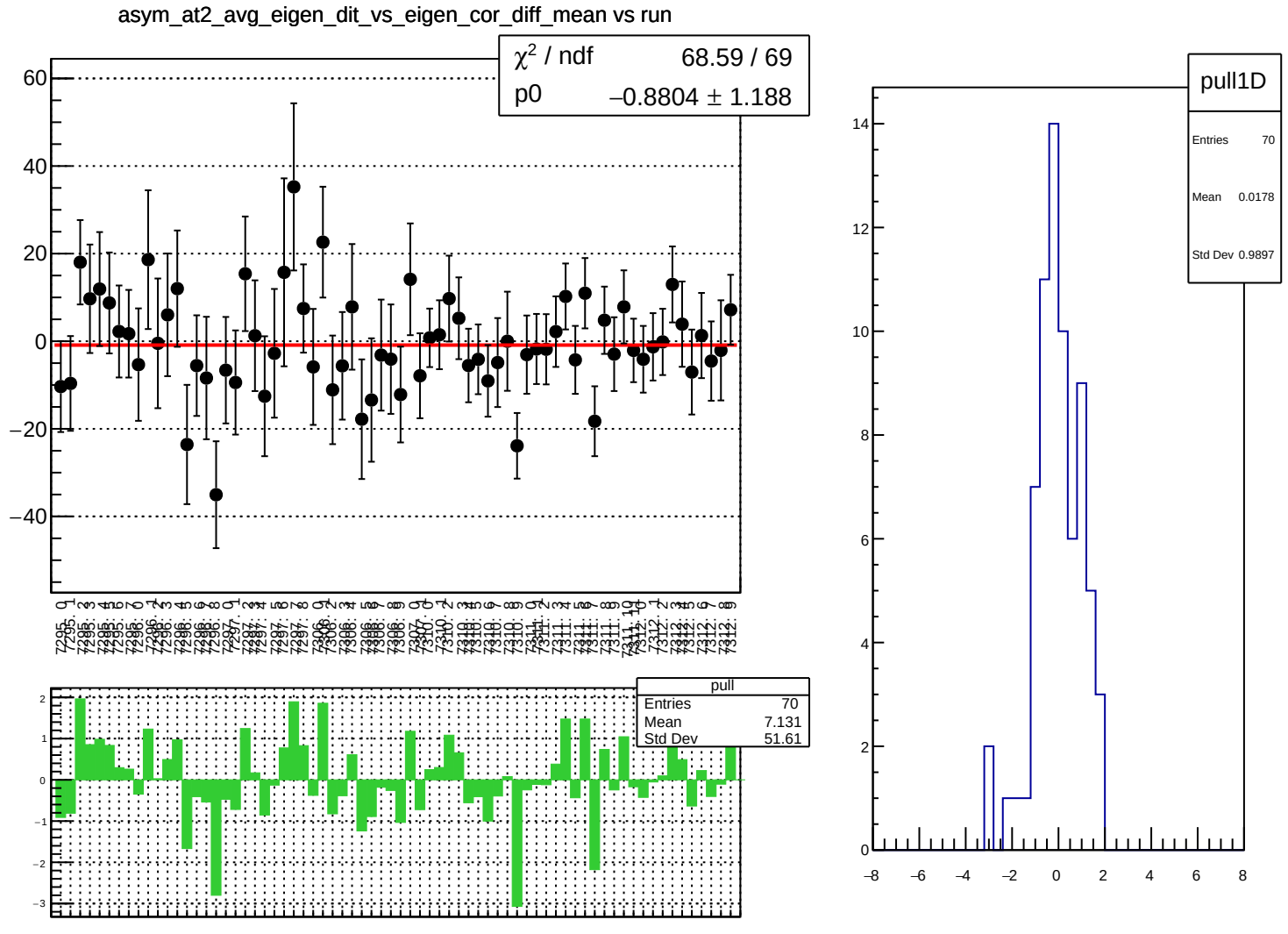

pull1D
Entries 70
Mean −0.007562
Std Dev 0.9873

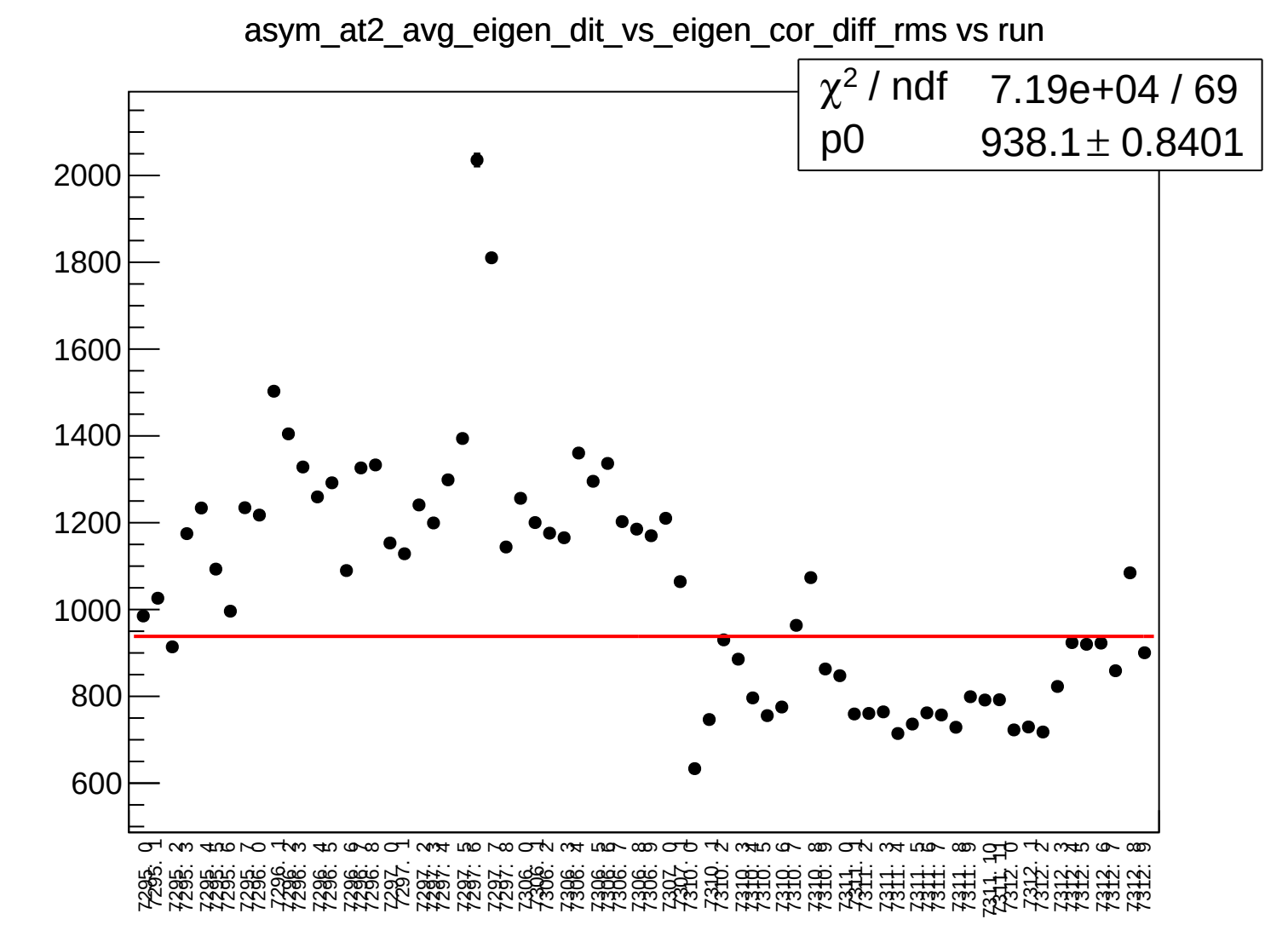

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.298e+04 / 69
p0 0.02567 ± 2.255e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02

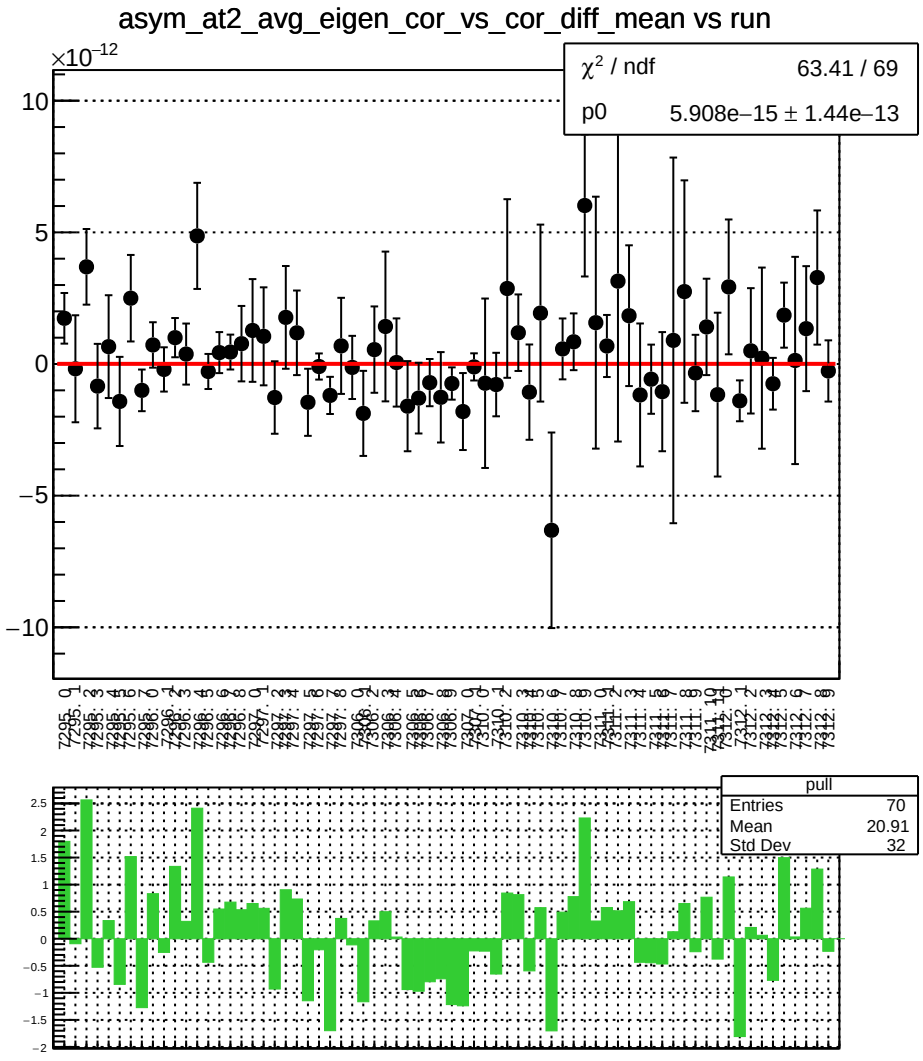

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.59 / 69
p0 −0.8804 ± 1.188
pull
Entries 70
Mean 7.131
Std Dev 51.61

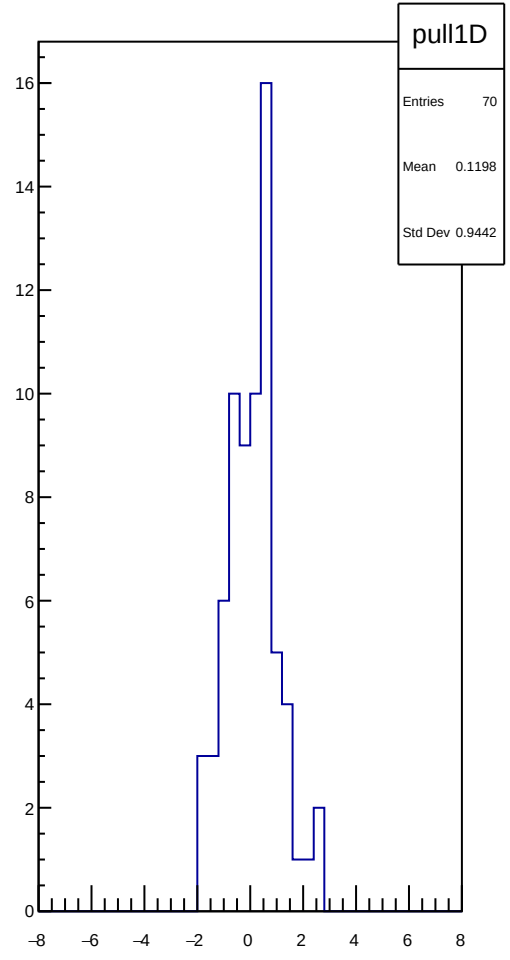

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9897

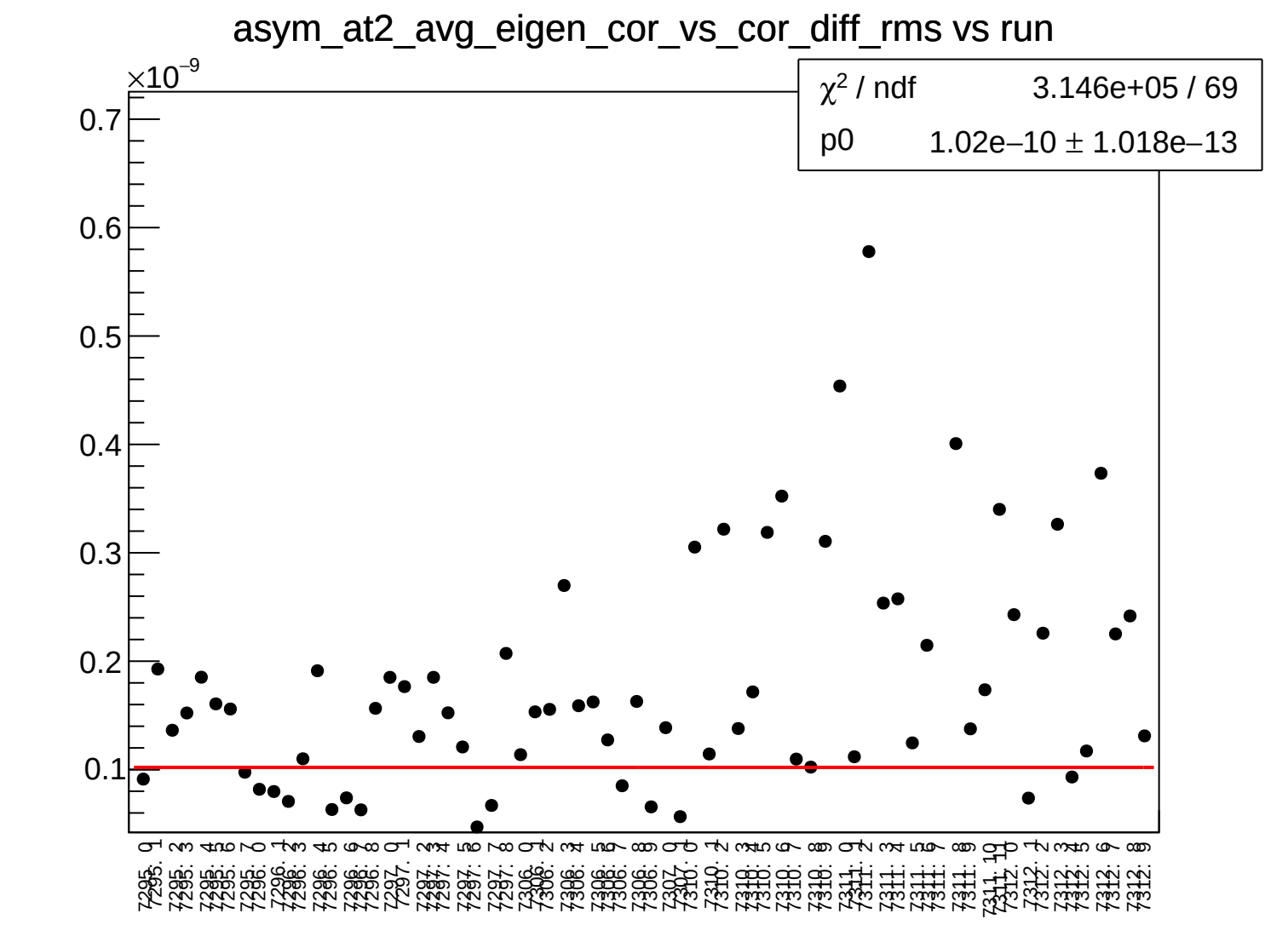

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.19e+04 / 69
p0 938.1 ± 0.8401
2000
1800
1600
1400
1200
1000
800
600

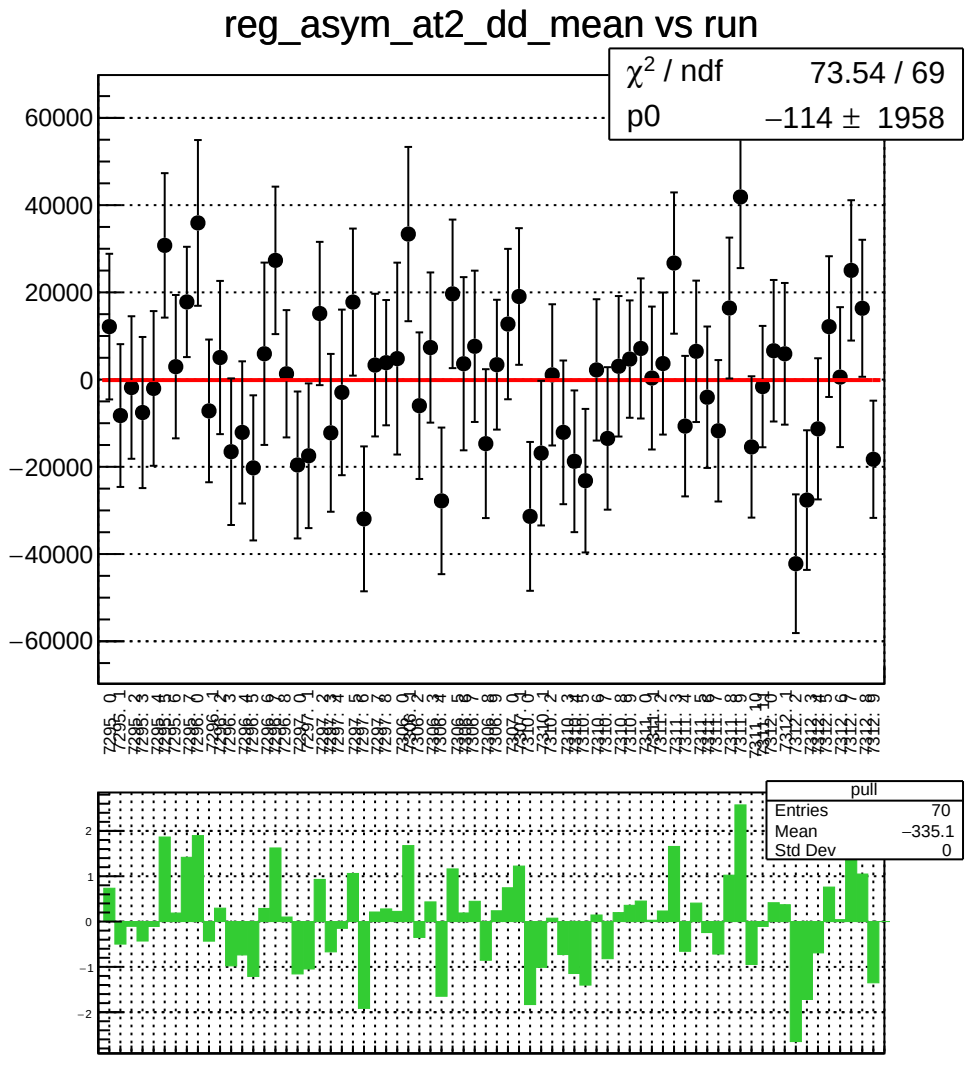

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.59 / 69
p0 −0.8804 ± 1.188
pull
Entries 70
Mean 7.131
Std Dev 51.61
pull1D
Entries 70
Mean 0.0178
Std Dev 0.9897

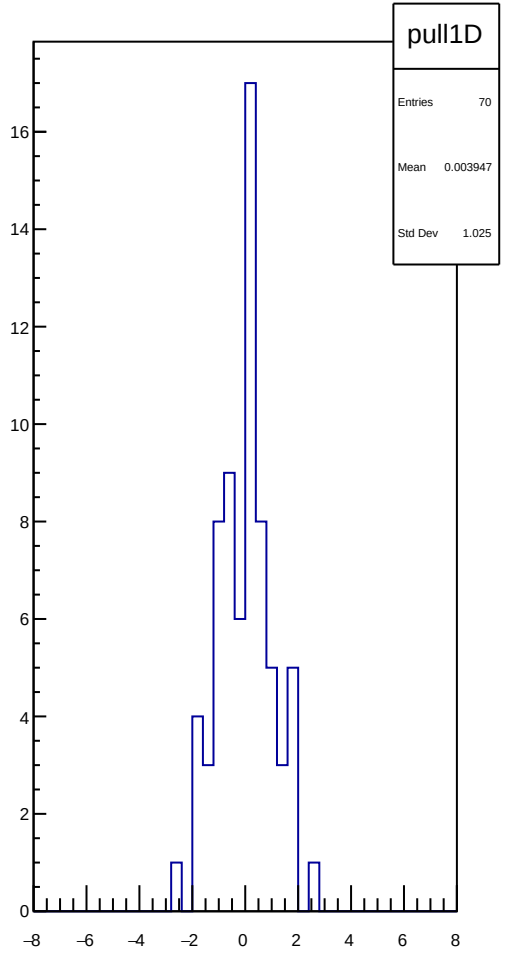

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.19e+04 / 69
p0 938.1 ± 0.8401
2000
1800
1600
1400
1200
1000
800
600

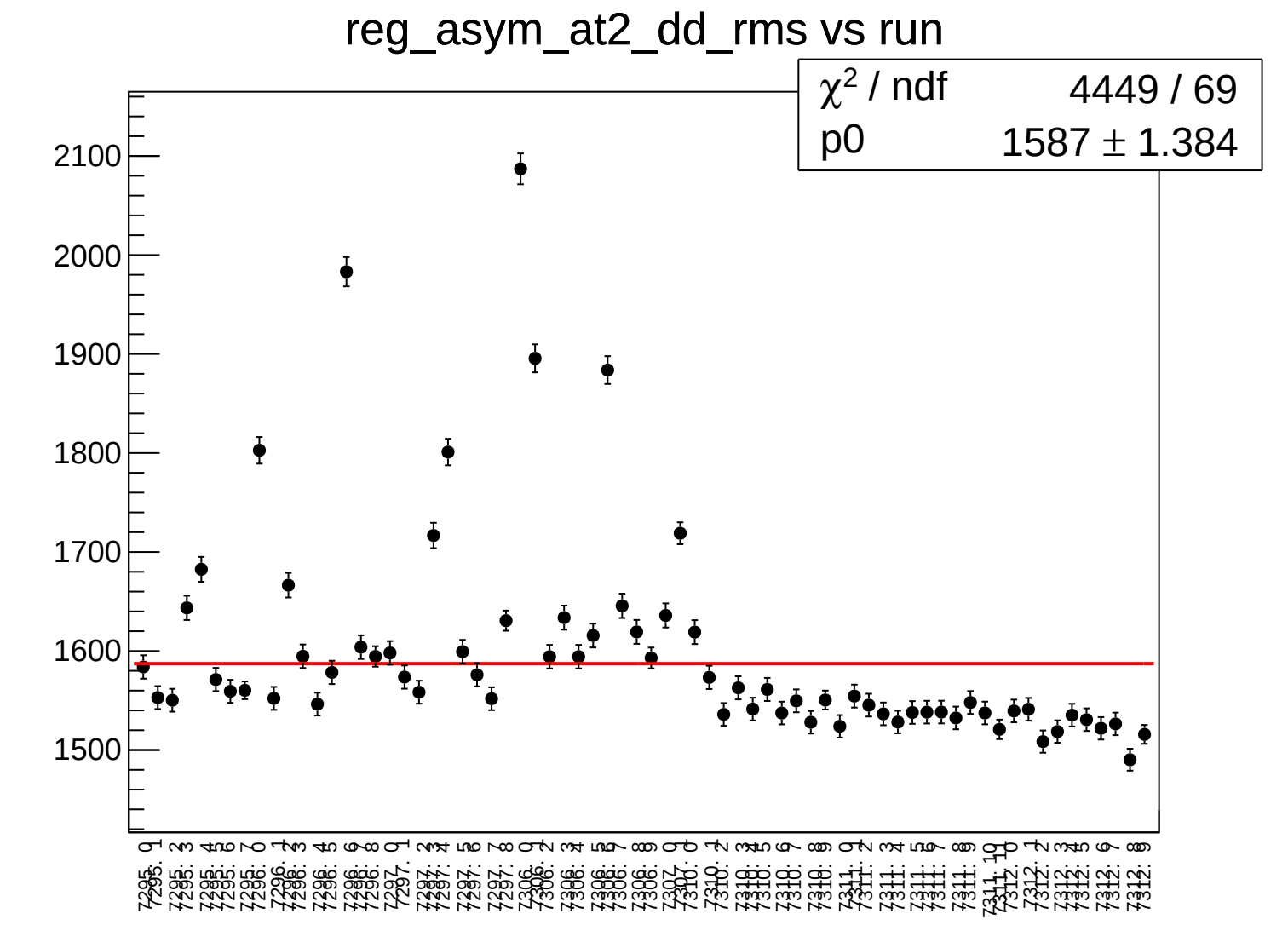

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.41 / 69
p0 5.908e−15 ± 1.44e−13
pull
Entries 70
Mean 20.91
Std Dev 32

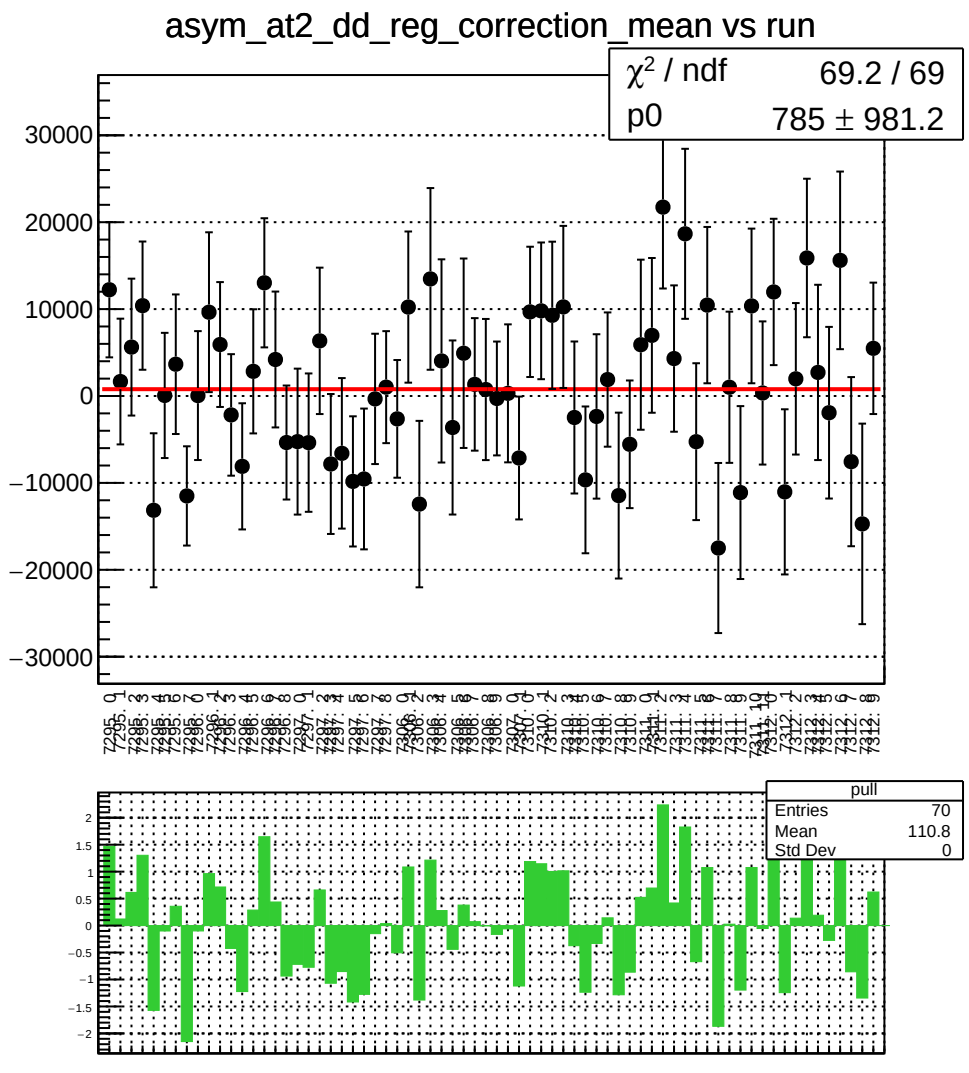

pull1D
Entries 70
Mean 0.1198
Std Dev 0.9442

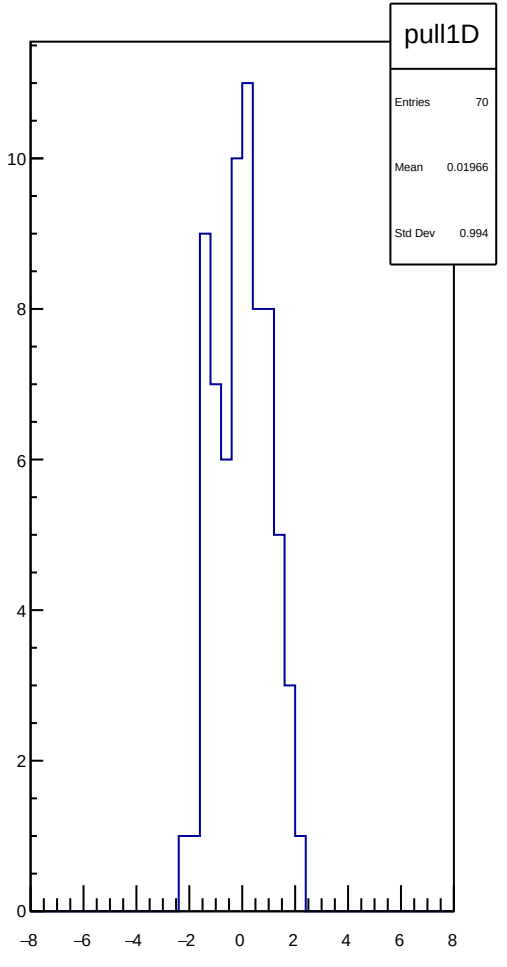

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.146e+05 / 69
p0 1.02e−10 ± 1.018e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

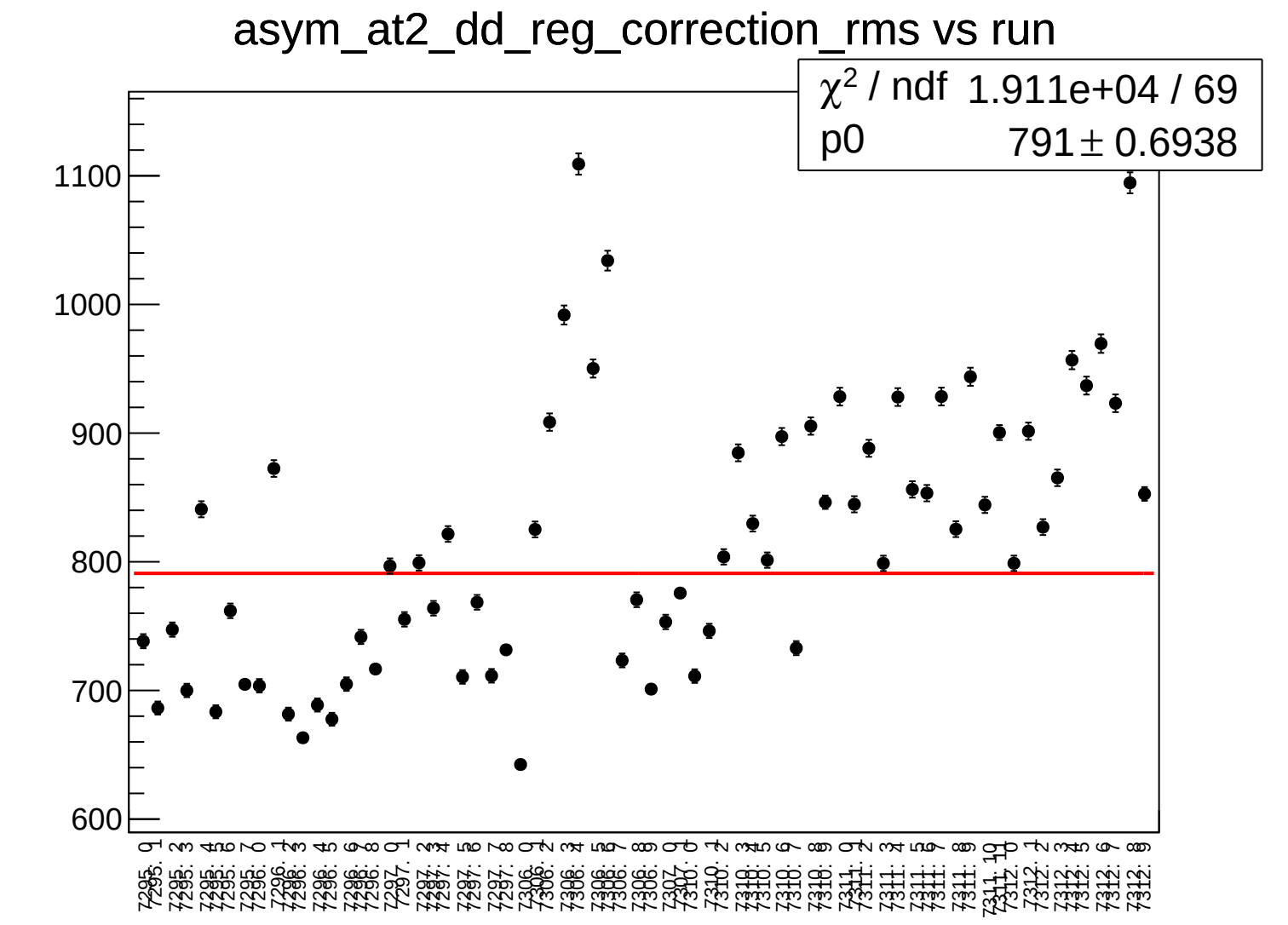

reg_asym_at2_dd_mean vs run
χ² / ndf 73.54 / 69
p0 −114 ± 1958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −335.1
Std Dev 0
2
1
0
−1
−2

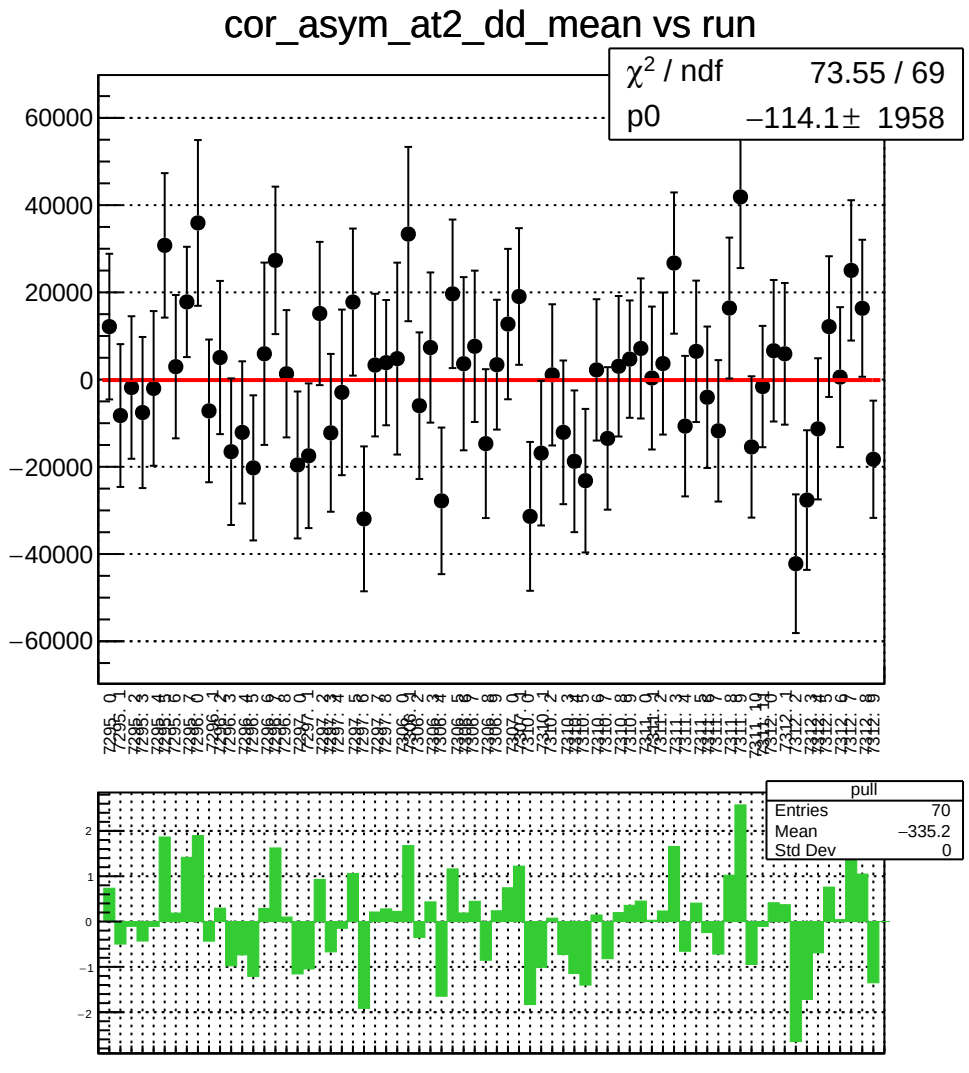

pull1D
Entries 70
Mean 0.003947
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

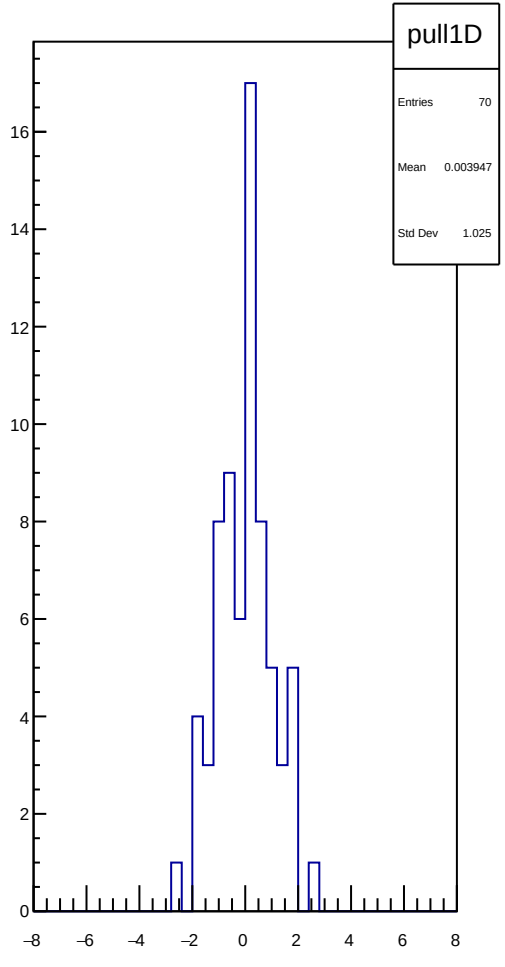

reg_asym_at2_dd_rms vs run
χ^2 / ndf 4449 / 69
p0 1587 ± 1.384
2100
2000
1900
1800
1700
1600
1500

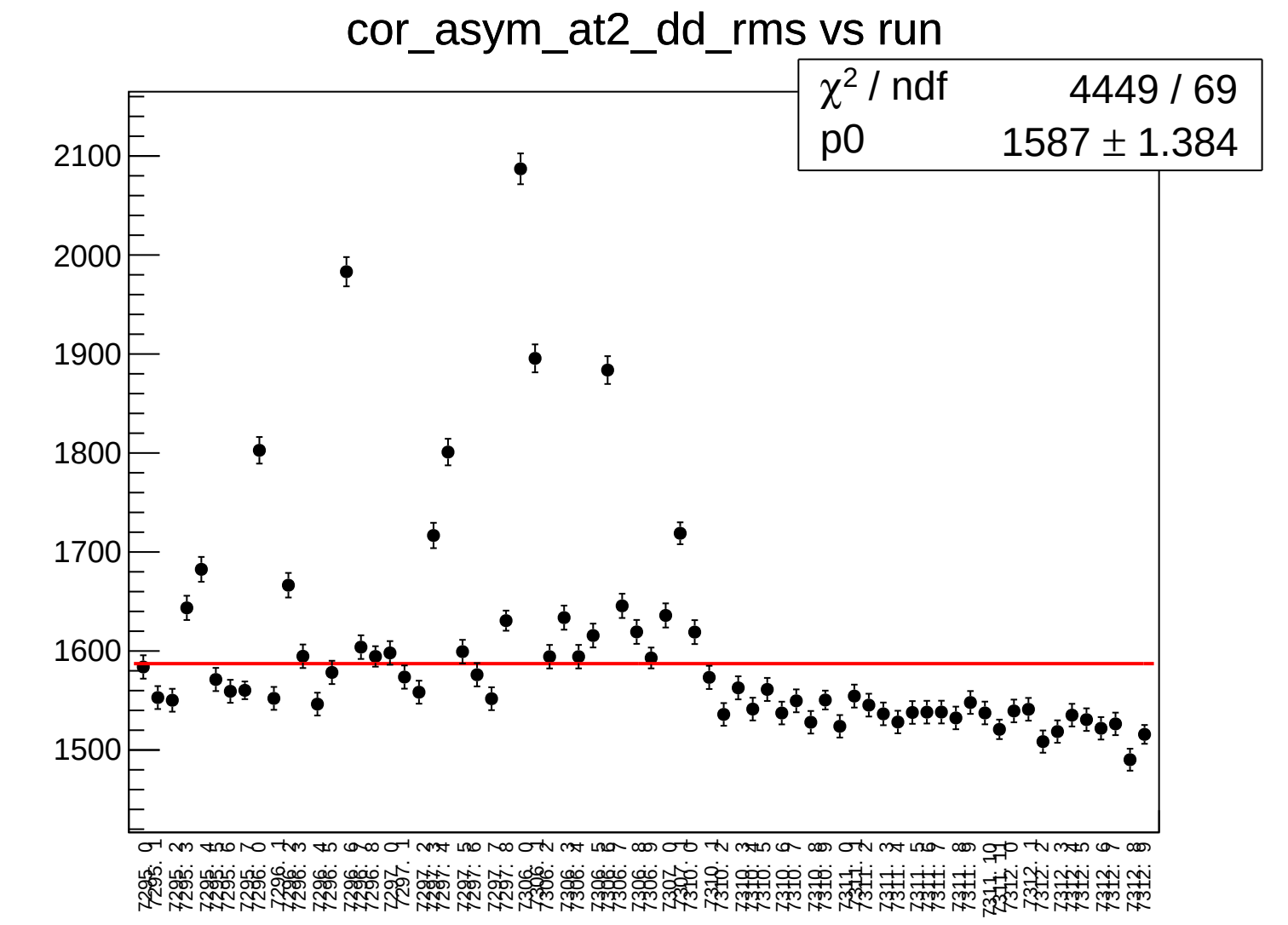

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 69.2 / 69
p0 785 ± 981.2
pull
Entries 70
Mean 110.8
Std Dev 0

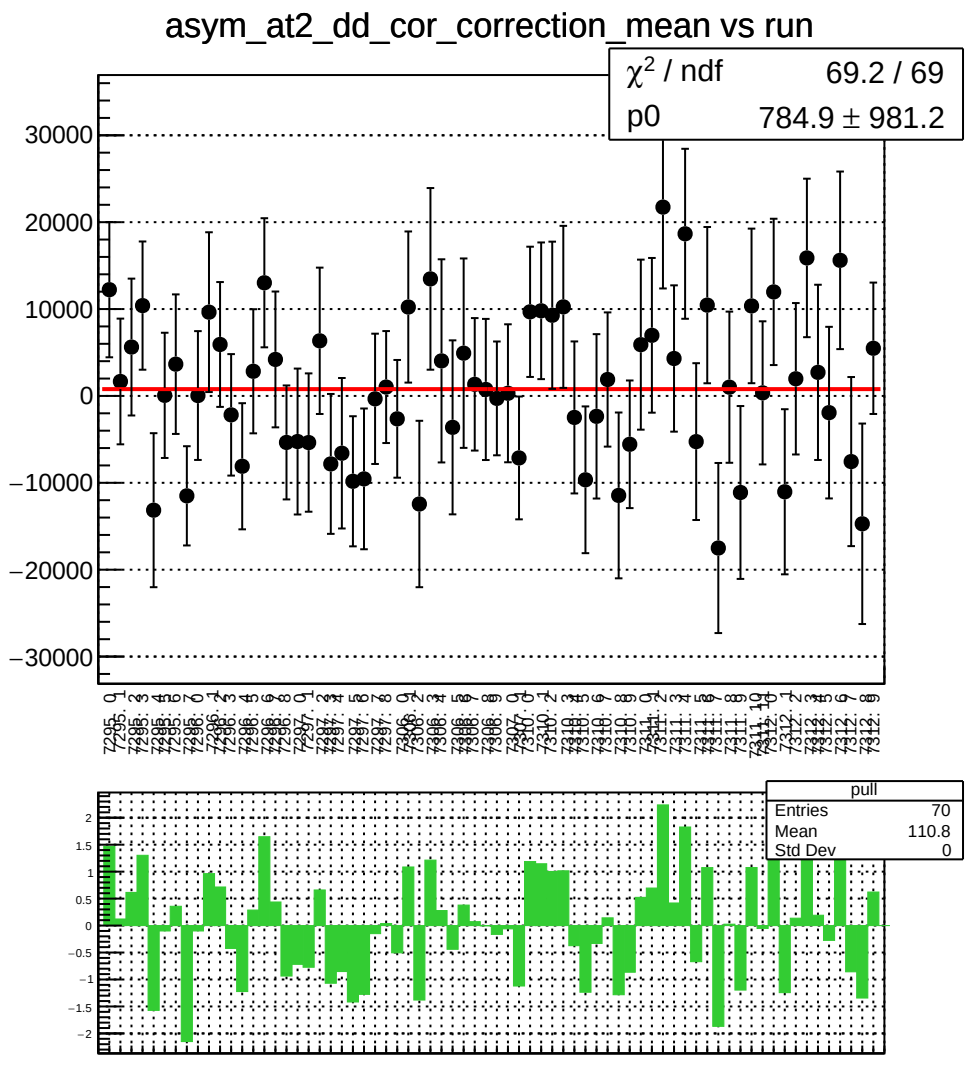

pull1D
Entries 70
Mean 0.01966
Std Dev 0.994

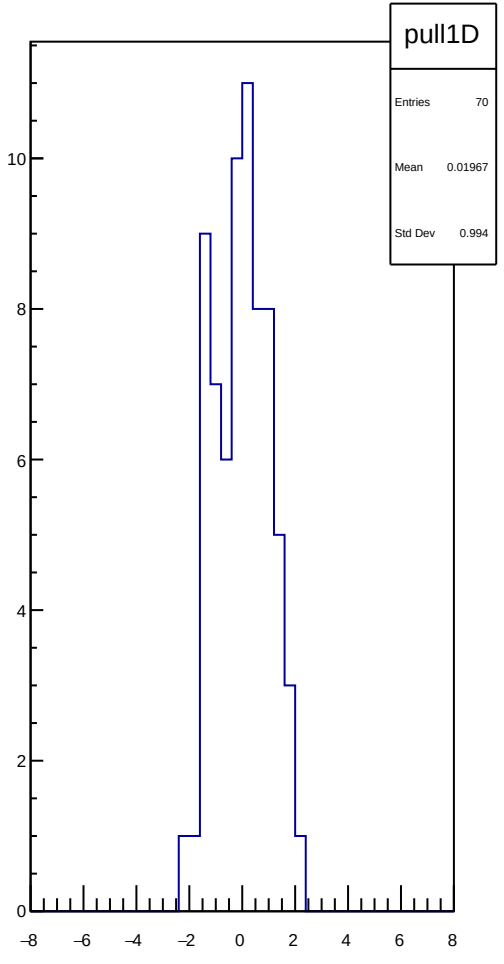

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1.911e+04 / 69
p0 791 ± 0.6938
1100
1000
900
800
700
600

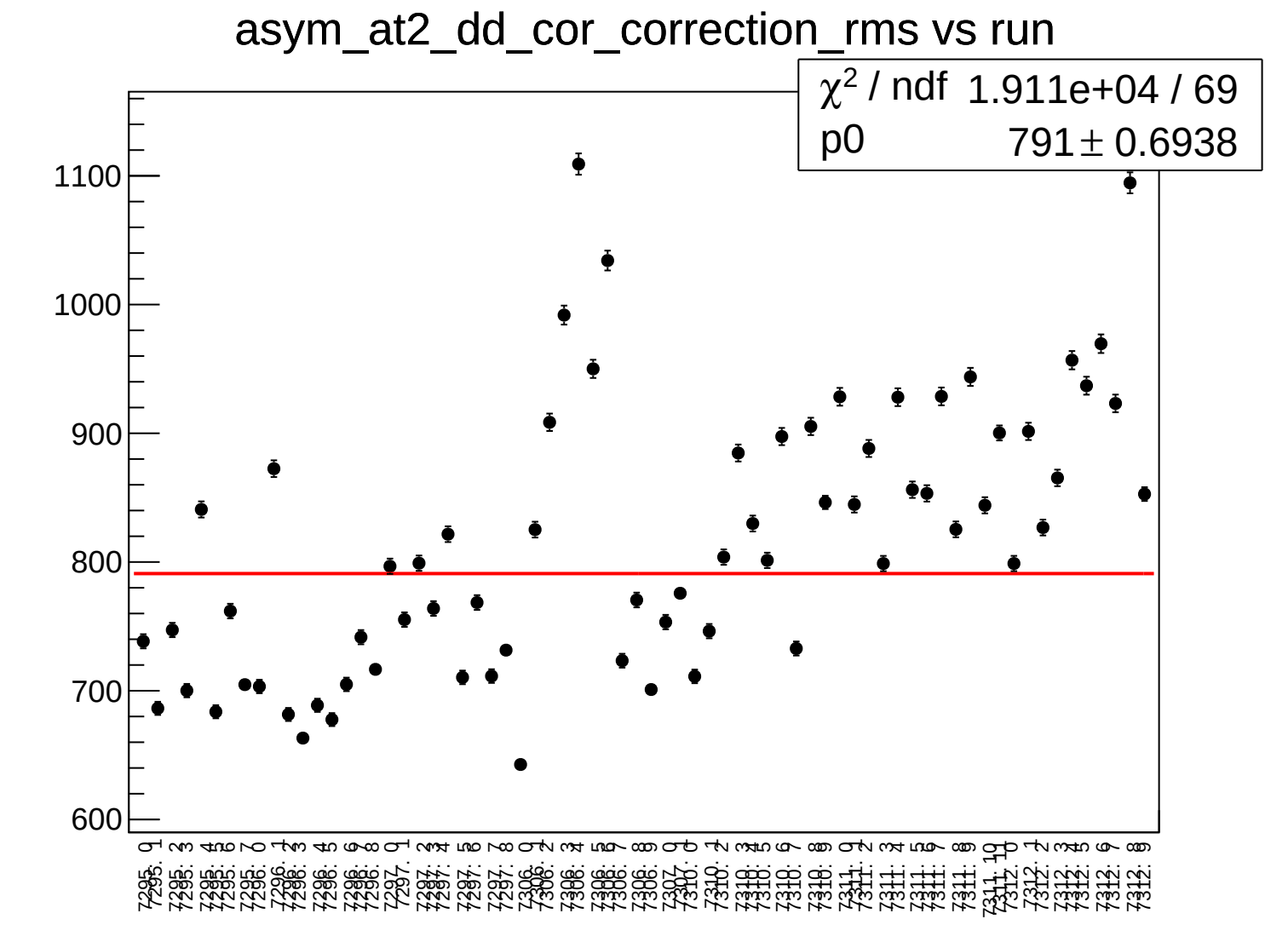

cor_asym_at2_dd_mean vs run
χ² / ndf 73.55 / 69
p0 −114.1± 1958
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −335.2
Std Dev 0
2
1
0
−1
−2

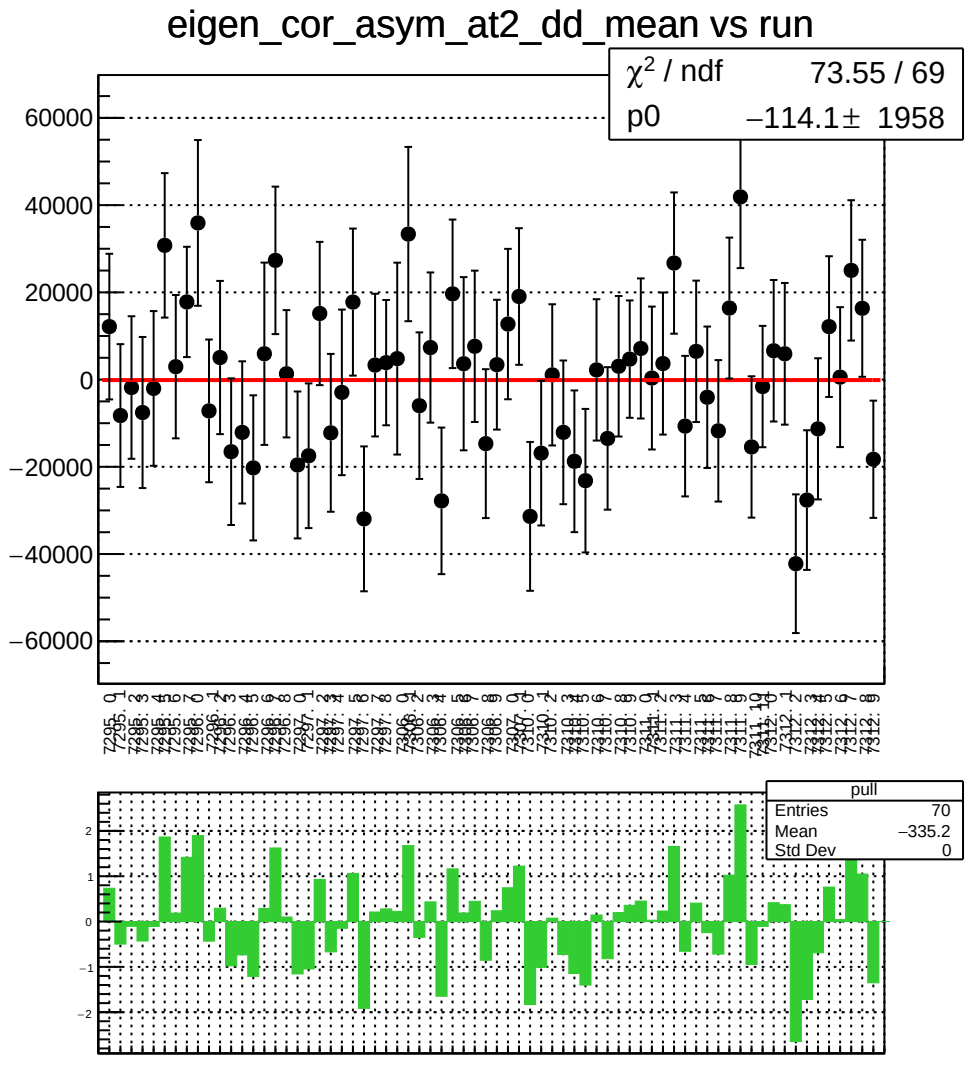

pull1D
Entries 70
Mean 0.003947
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

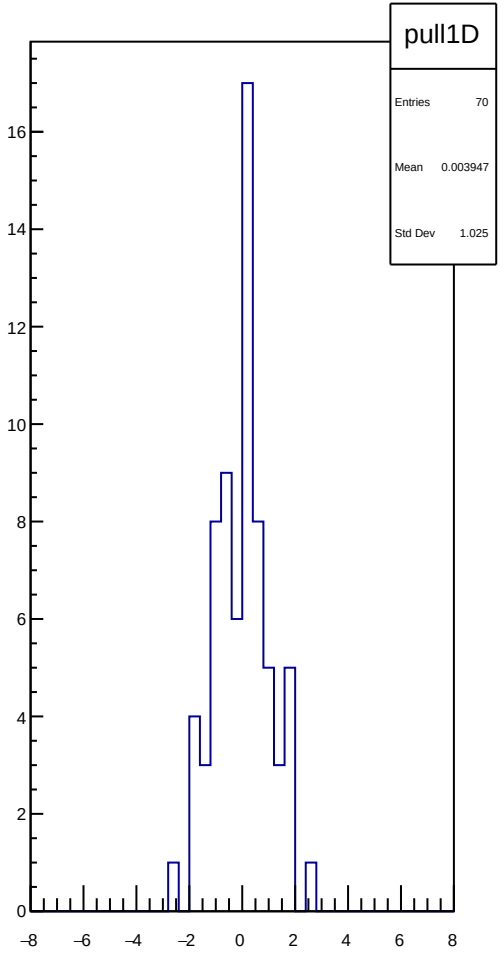

cor_asym_at2_dd_rms vs run
χ² / ndf 4449 / 69
p0 1587 ± 1.384
2100
2000
1900
1800
1700
1600
1500

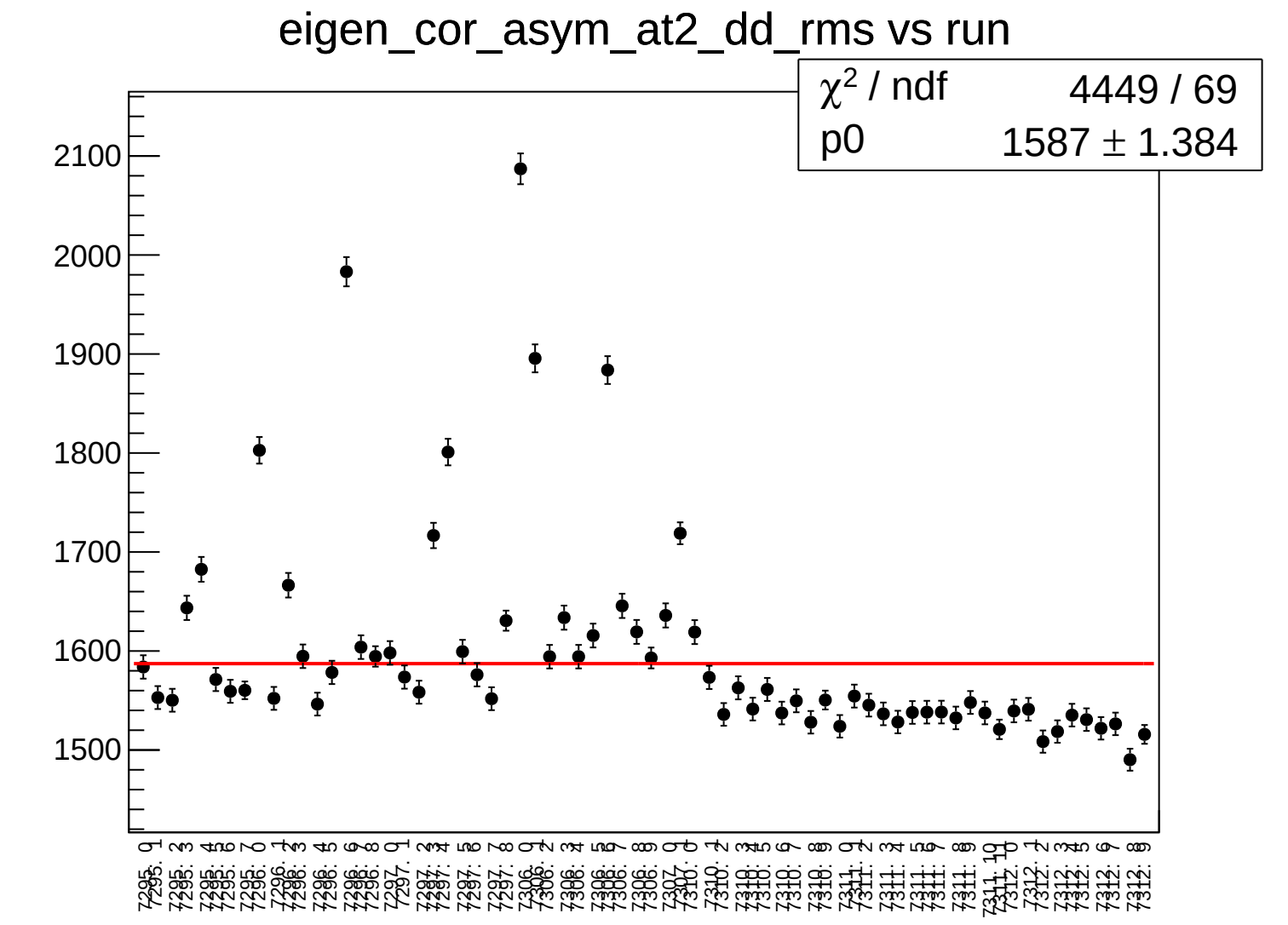

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 69.2 / 69
p0 784.9 ± 981.2
pull
Entries 70
Mean 110.8
Std Dev 0

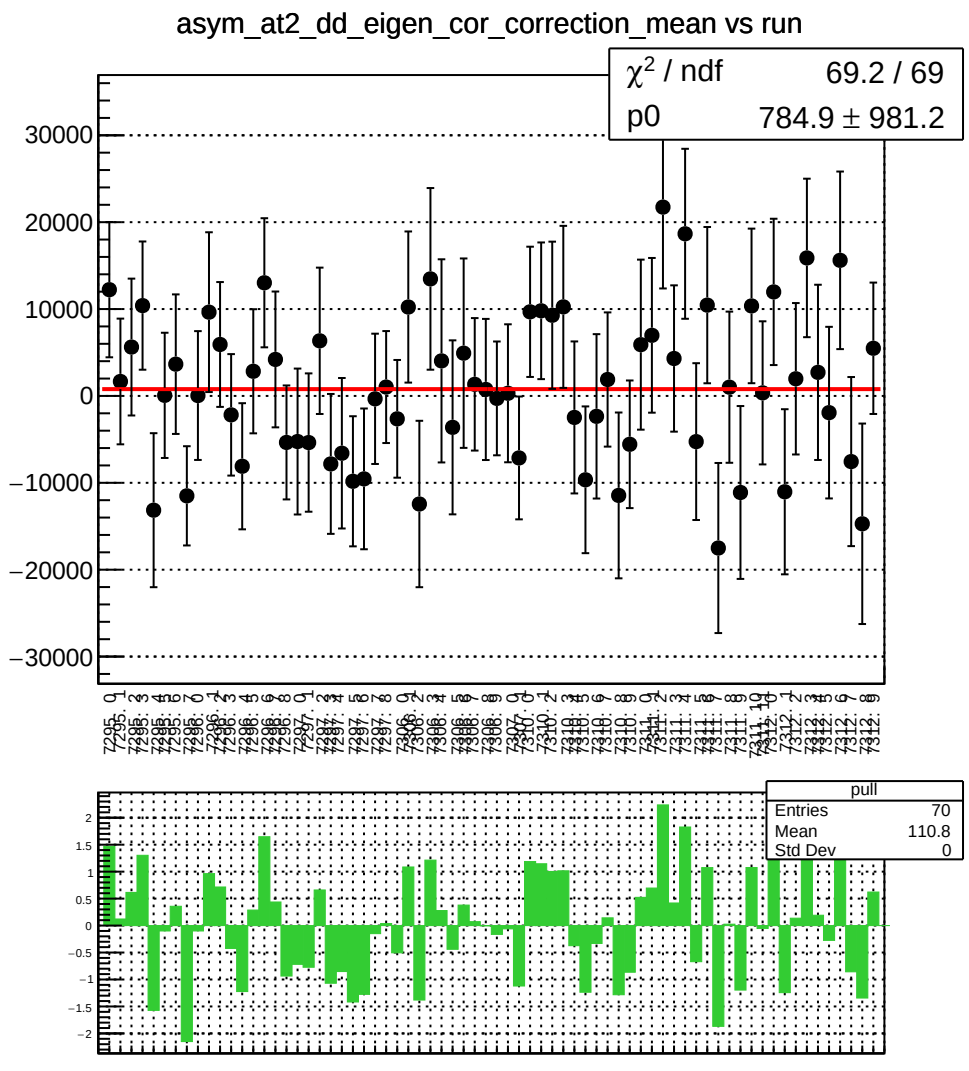

pull1D
Entries 70
Mean 0.01967
Std Dev 0.994

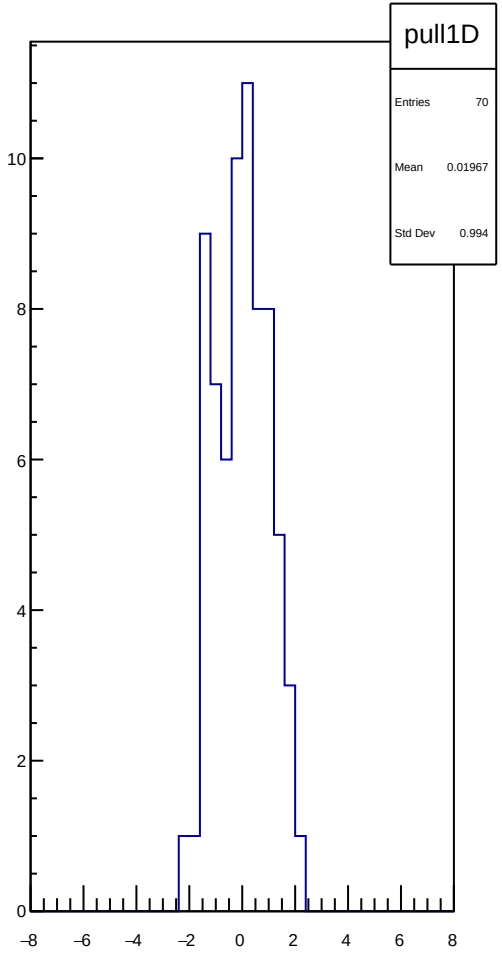

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1.911e+04 / 69
p0 791 ± 0.6938
1100
1000
900
800
700
600

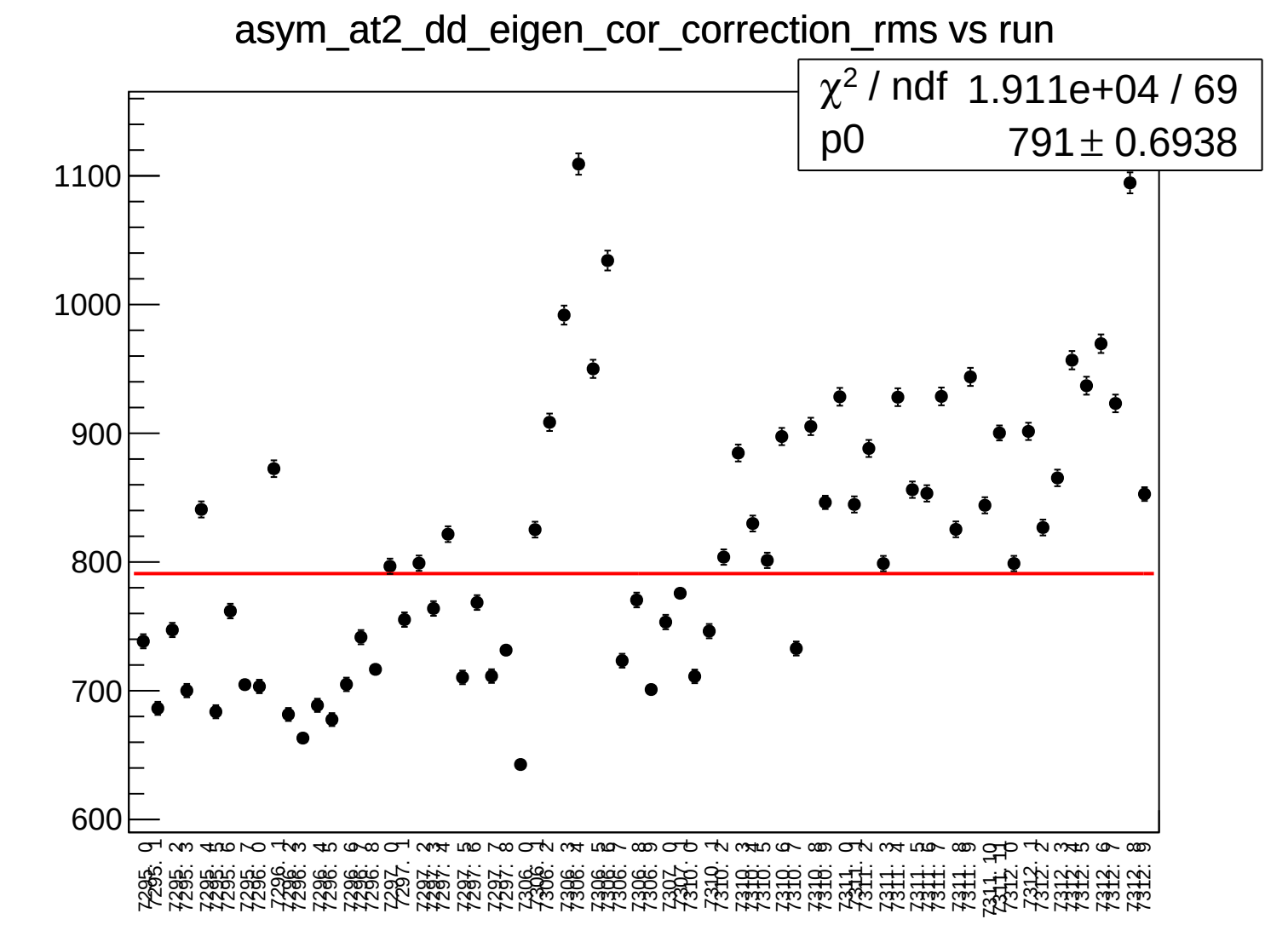

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 73.55 / 69
p0 −114.1± 1958
pull
Entries 70
Mean −335.2
Std Dev 0

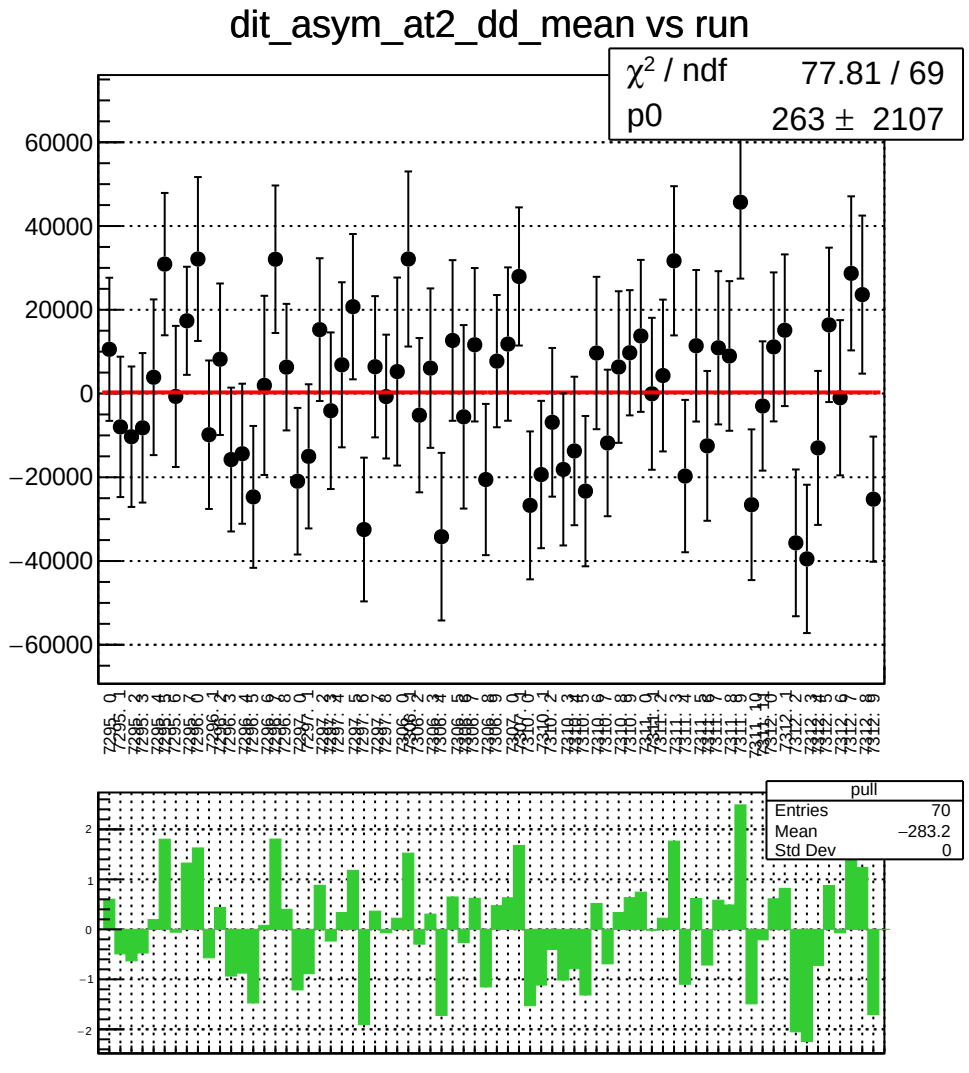

pull1D
Entries 70
Mean 0.003947
Std Dev 1.025

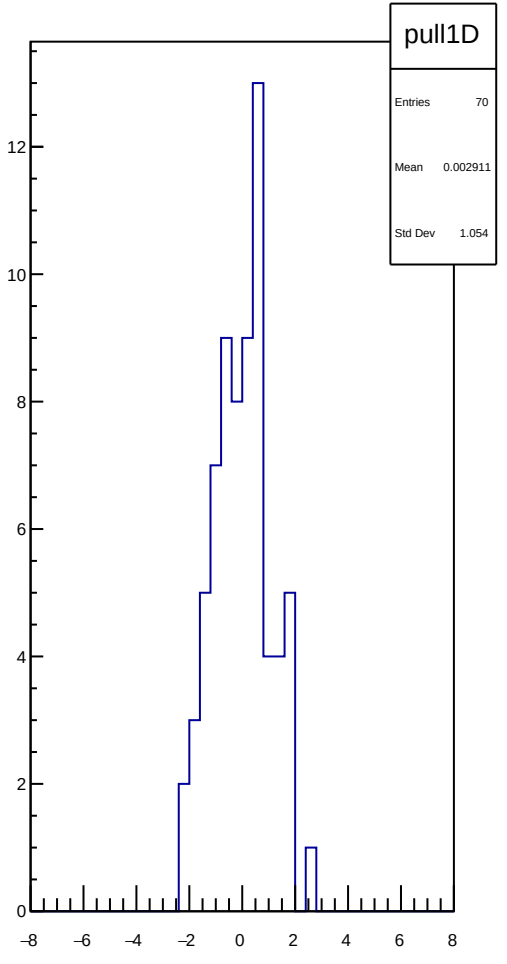

eigen_cor_asym_at2_dd_rms vs run
χ^2 / ndf 4449 / 69
p0 1587 ± 1.384
2100
2000
1900
1800
1700
1600
1500

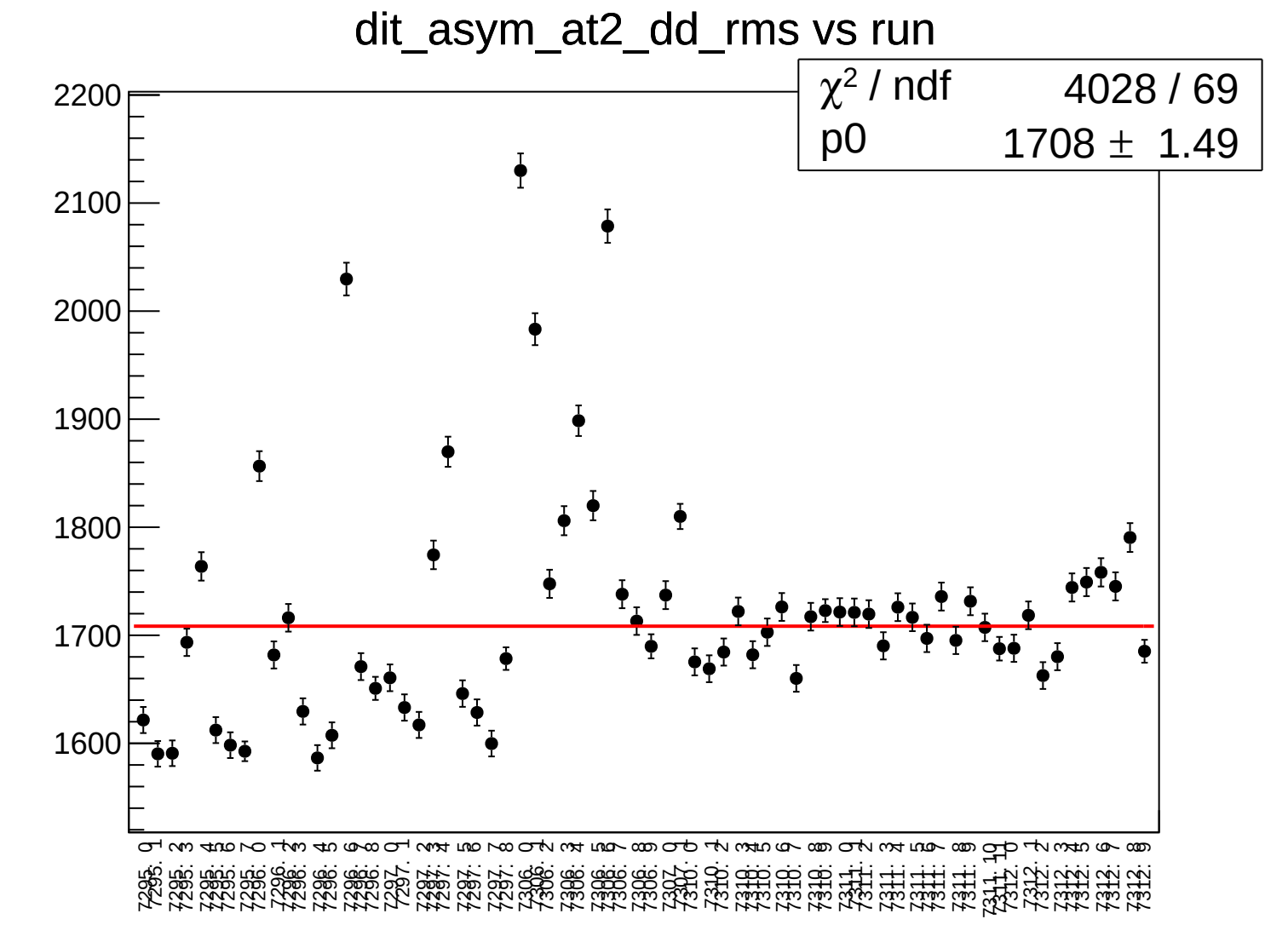

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.2 / 69
p0 784.9 ± 981.2
pull
Entries 70
Mean 110.8
Std Dev 0

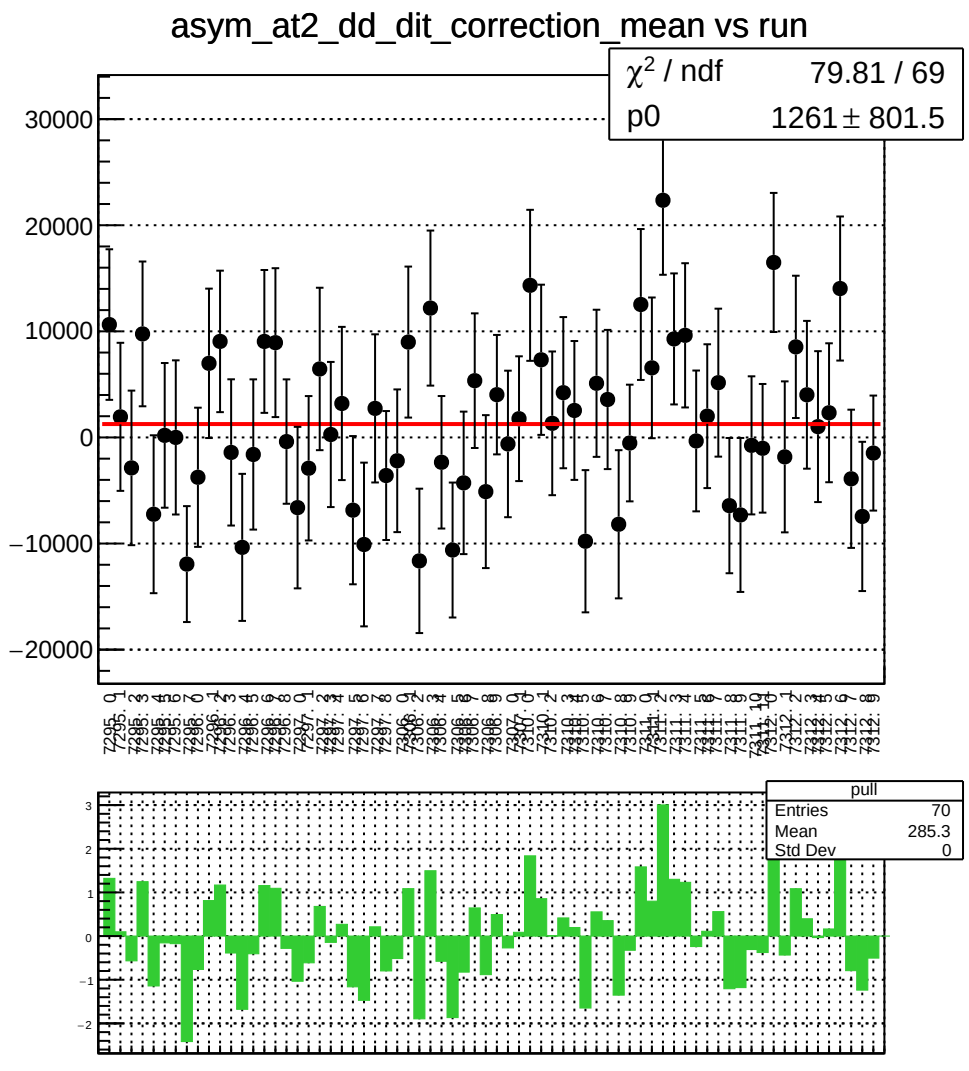

pull1D
Entries 70
Mean 0.01967
Std Dev 0.994

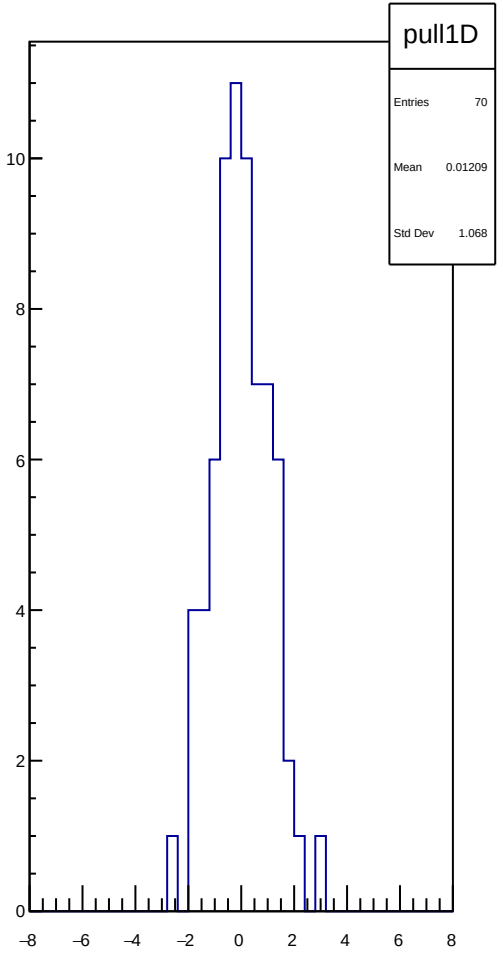

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.911e+04 / 69
p0 791 ± 0.6938
1100
1000
900
800
700
600

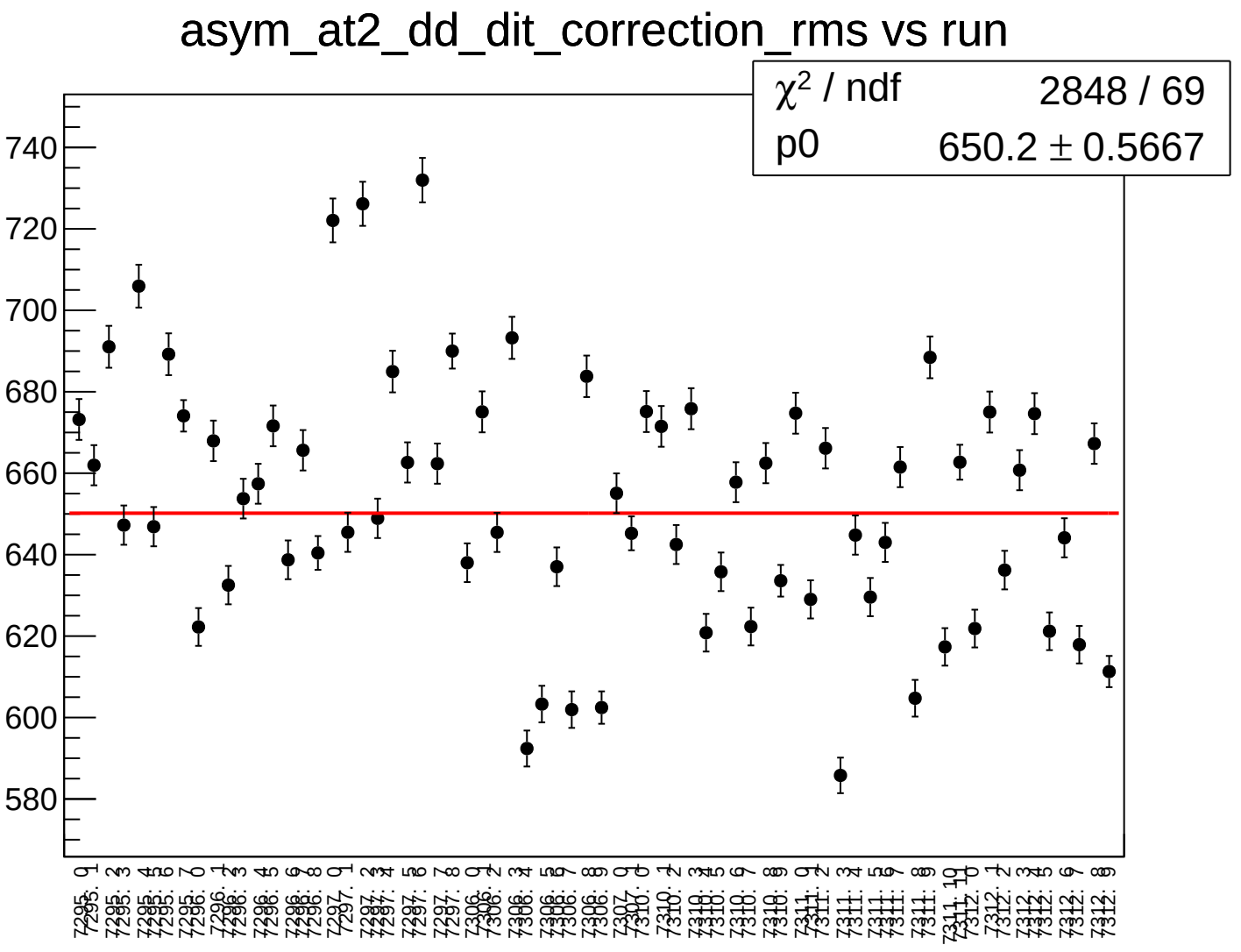

dit_asym_at2_dd_mean vs run
χ² / ndf 77.81 / 69
p0 263 ± 2107
pull
Entries 70
Mean −283.2
Std Dev 0

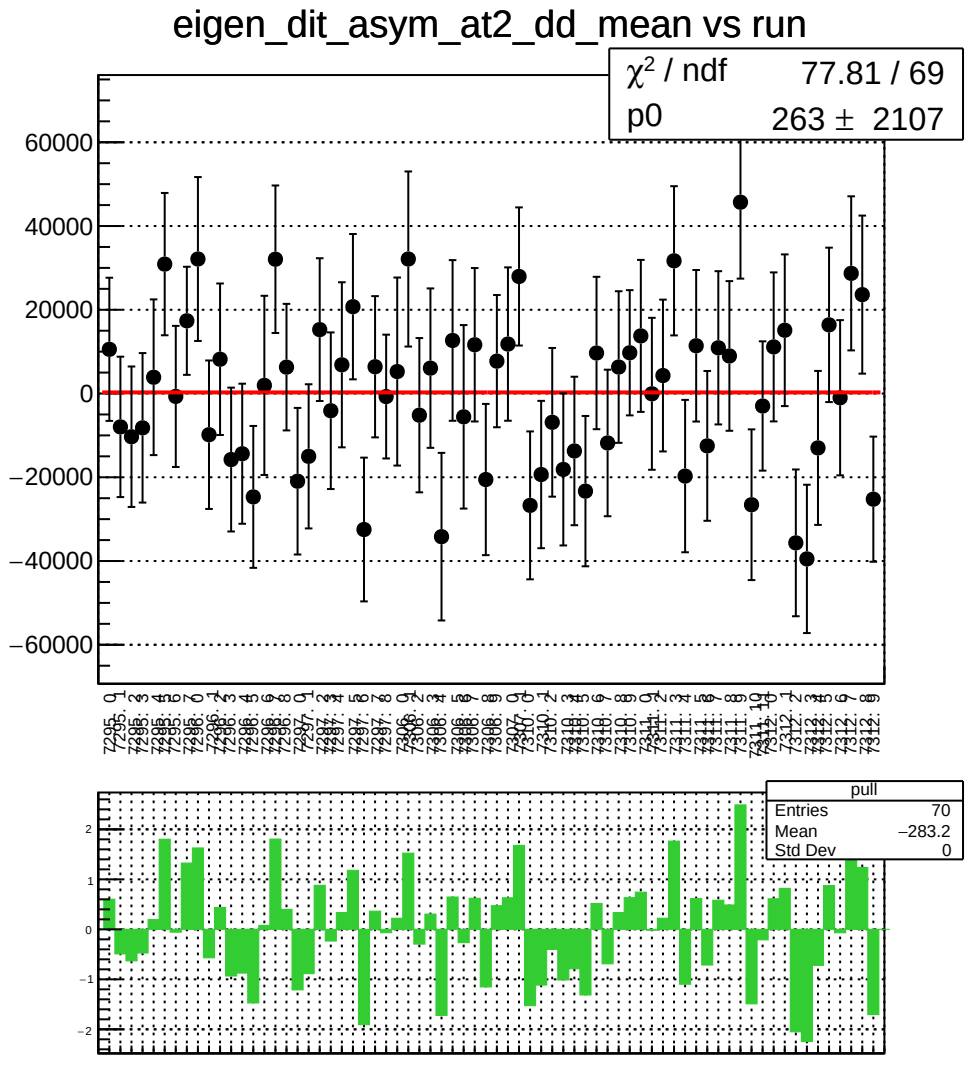

pull1D
Entries 70
Mean 0.002911
Std Dev 1.054

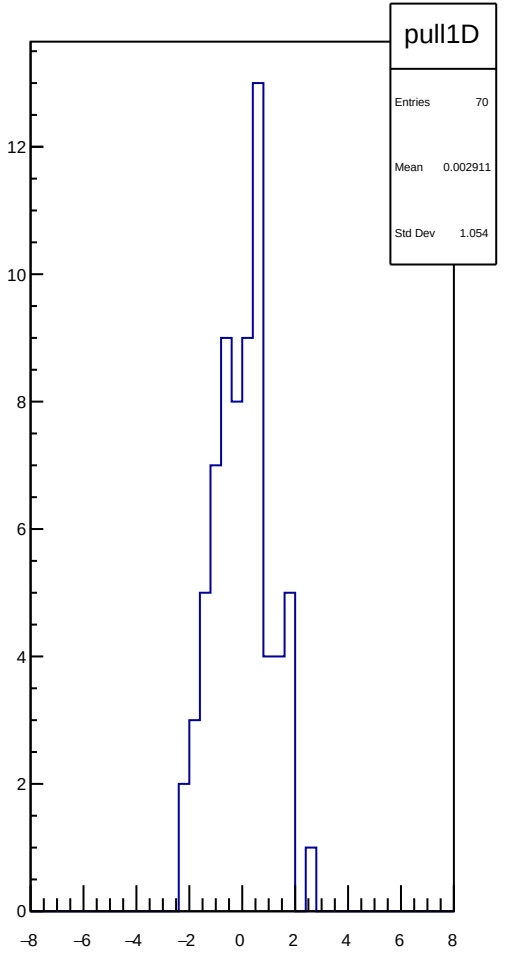

dit_asym_at2_dd_rms vs run
χ² / ndf 4028 / 69
p0 1708 ± 1.49
2200
2100
2000
1900
1800
1700
1600

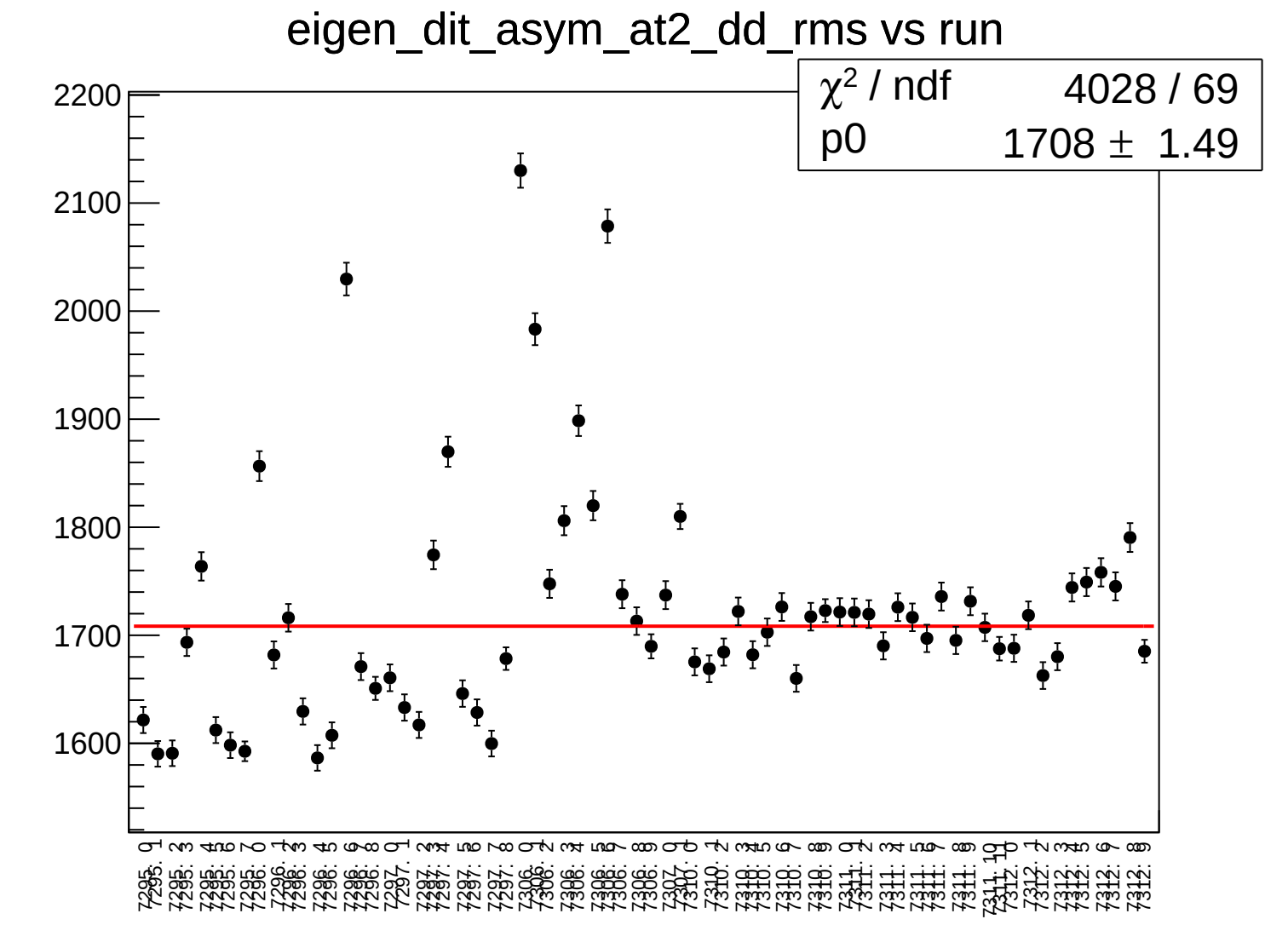

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 79.81 / 69
p0 1261 ± 801.5
pull
Entries 70
Mean 285.3
Std Dev 0

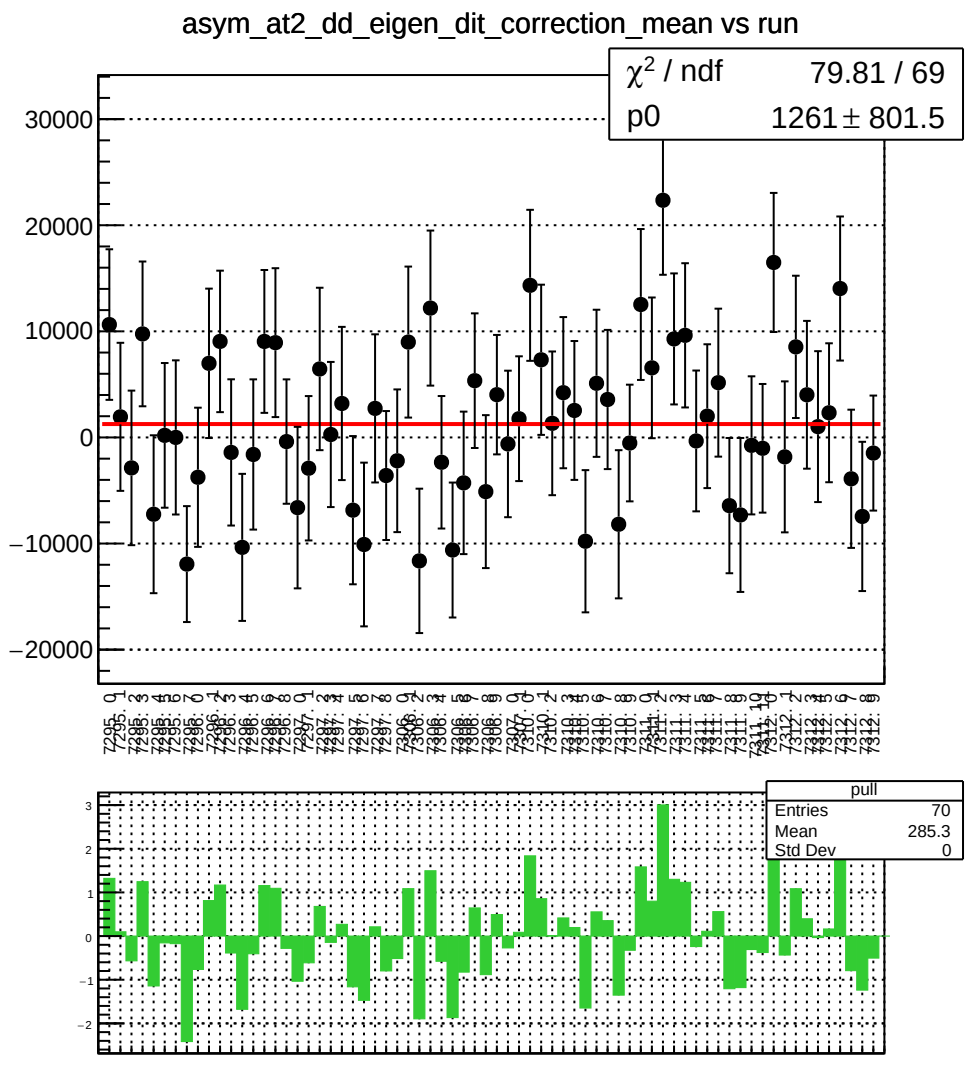

pull1D
Entries 70
Mean 0.01209
Std Dev 1.068

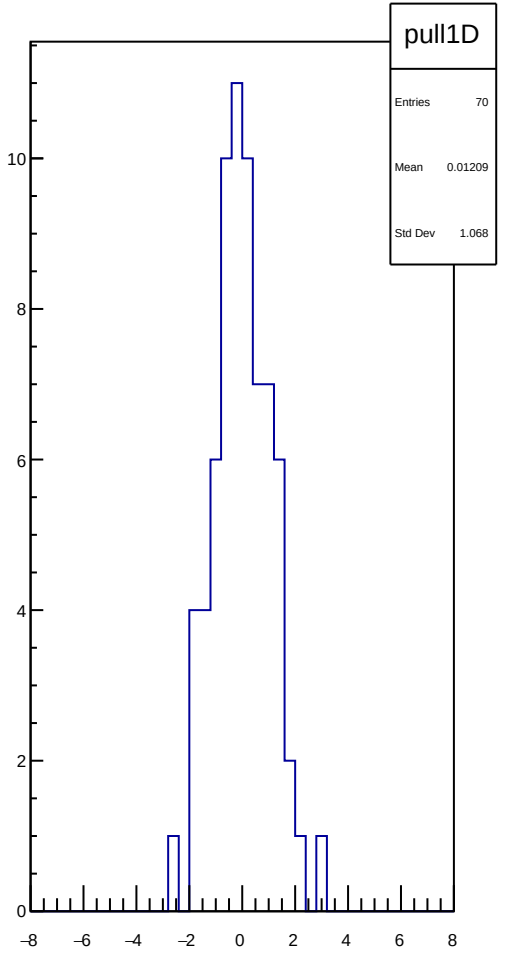

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 2848 / 69
p0 650.2 ± 0.5667
740
720
700
680
660
640
620
600
580

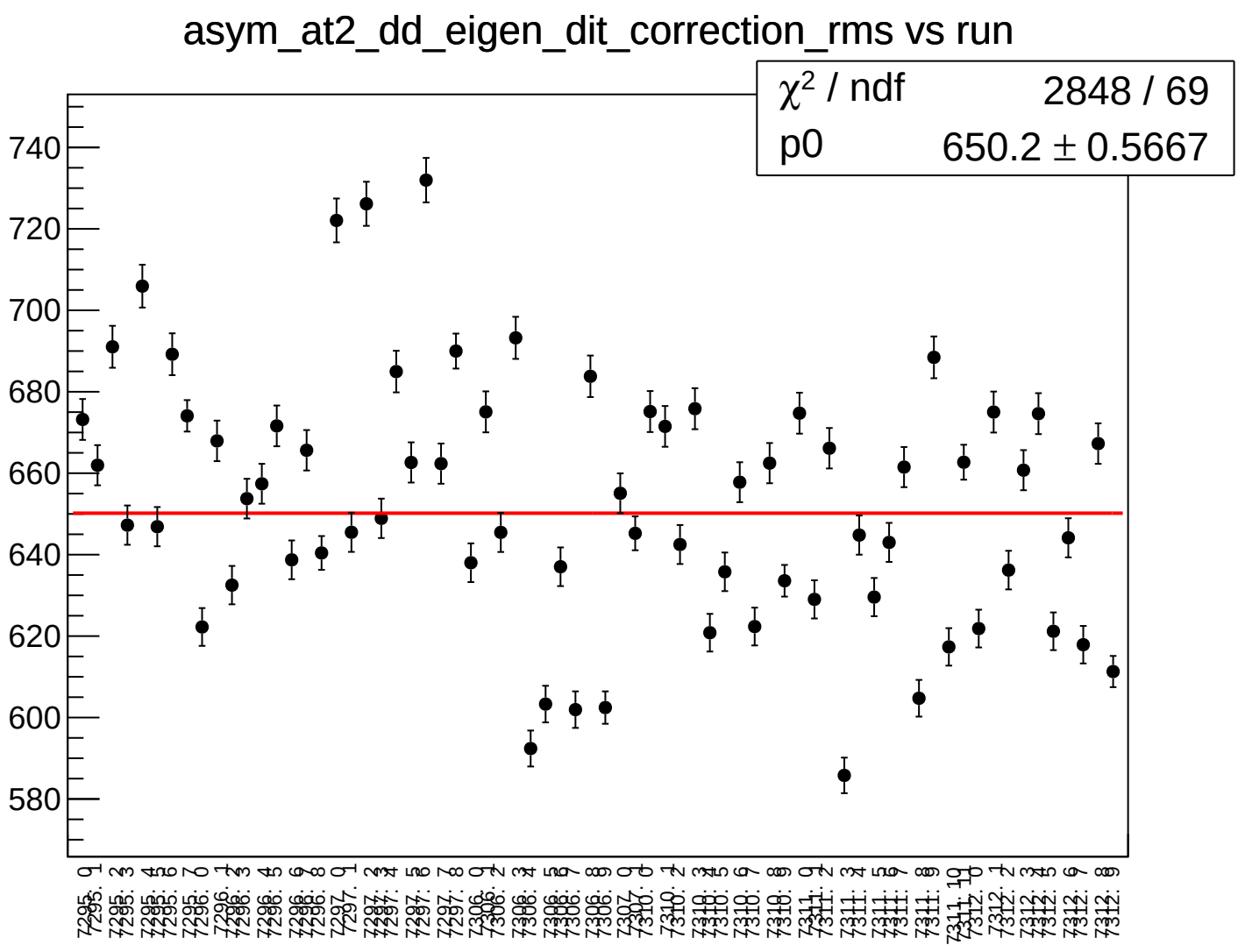

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 77.81 / 69
p0 263 ± 2107
pull
Entries 70
Mean −283.2
Std Dev 0

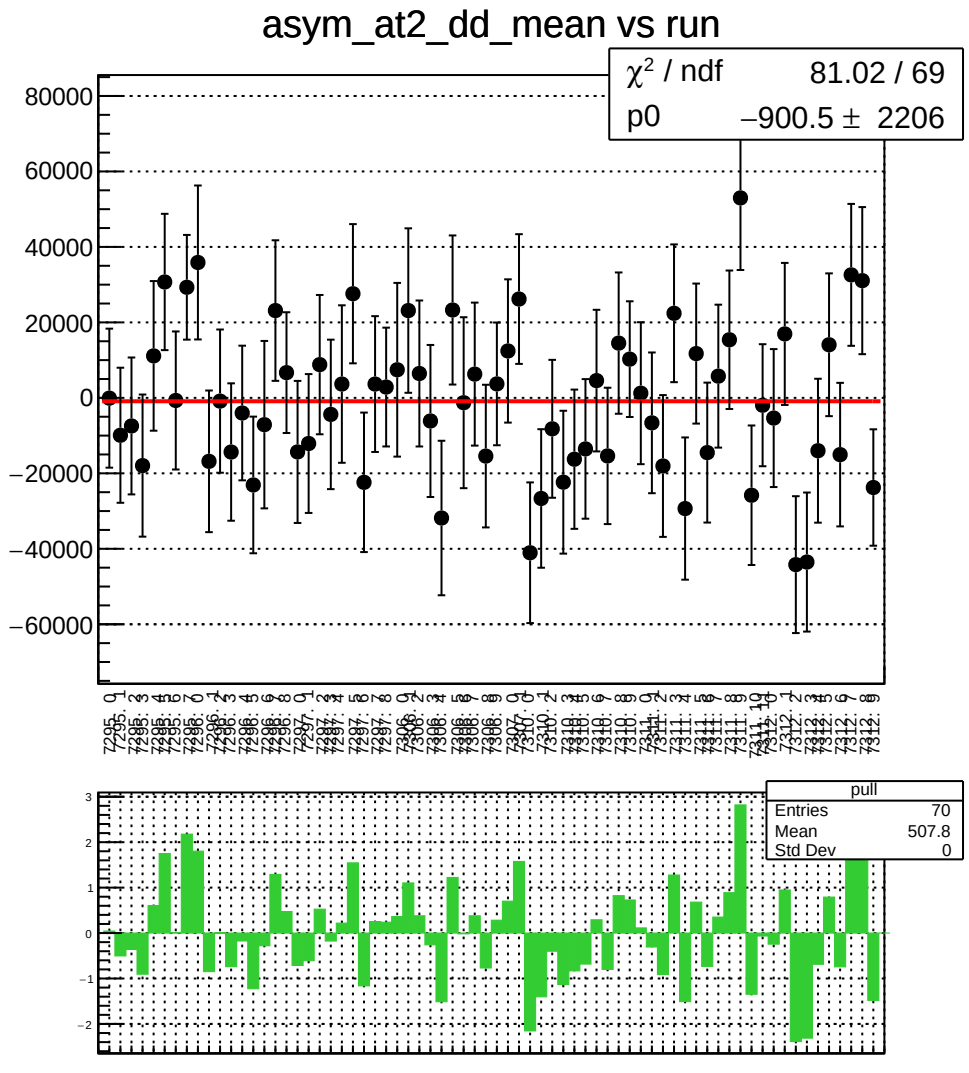

pull1D
Entries 70
Mean 0.002911
Std Dev 1.054

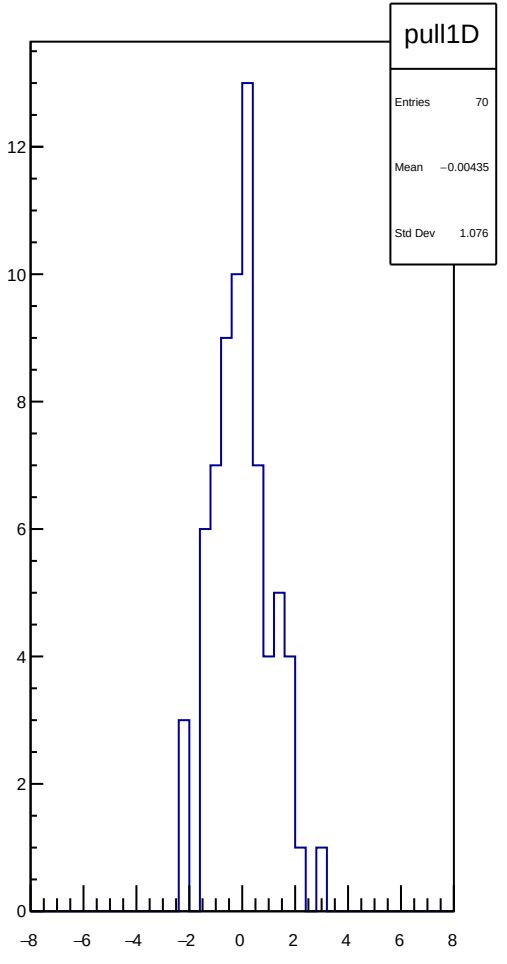

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 4028 / 69
p0 1708 ± 1.49
2200
2100
2000
1900
1800
1700
1600

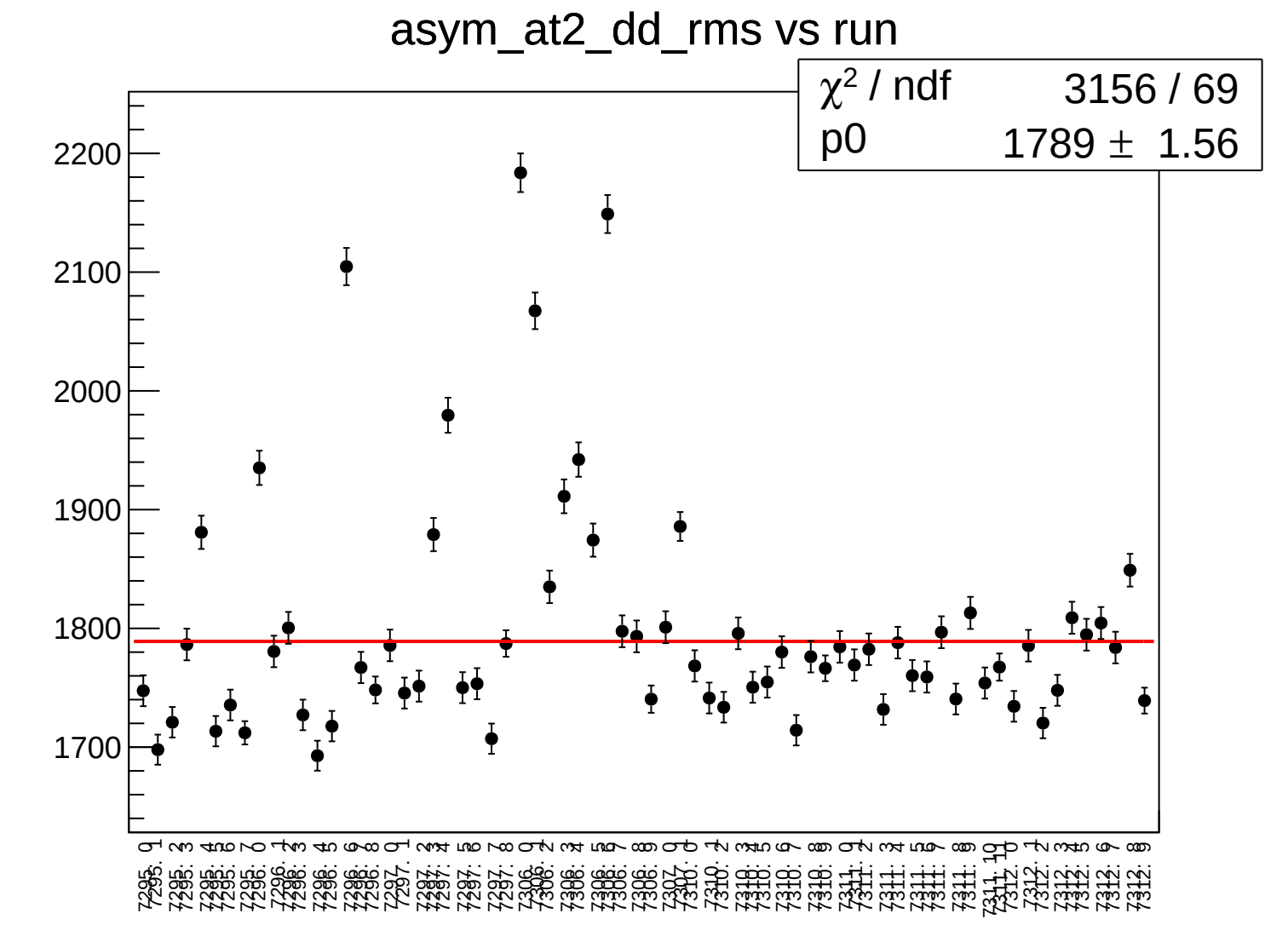

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.81 / 69
p0 1261 ± 801.5
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 285.3
Std Dev 0
3
2
1
0
−1
−2

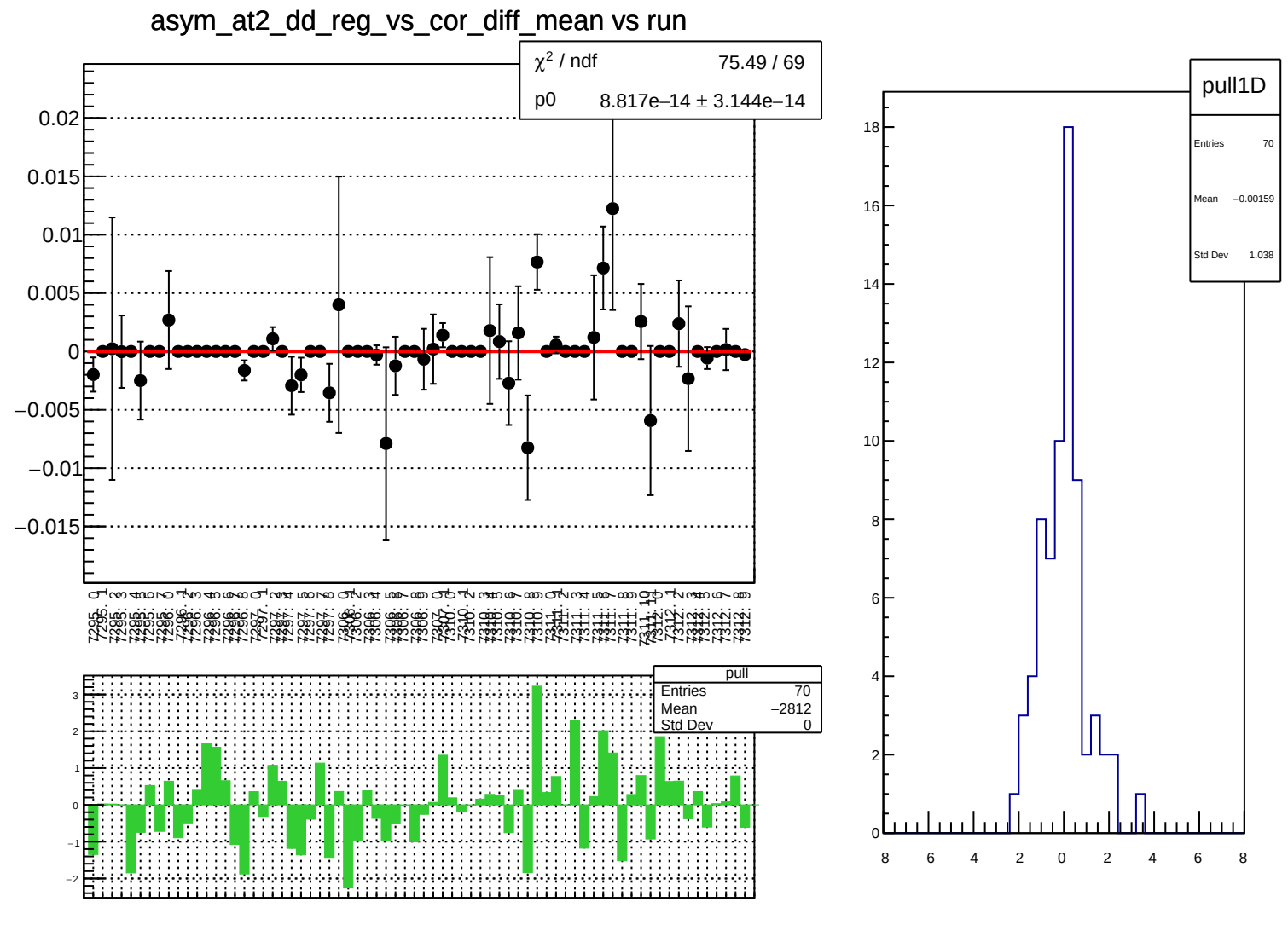

pull1D
Entries 70
Mean 0.01209
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

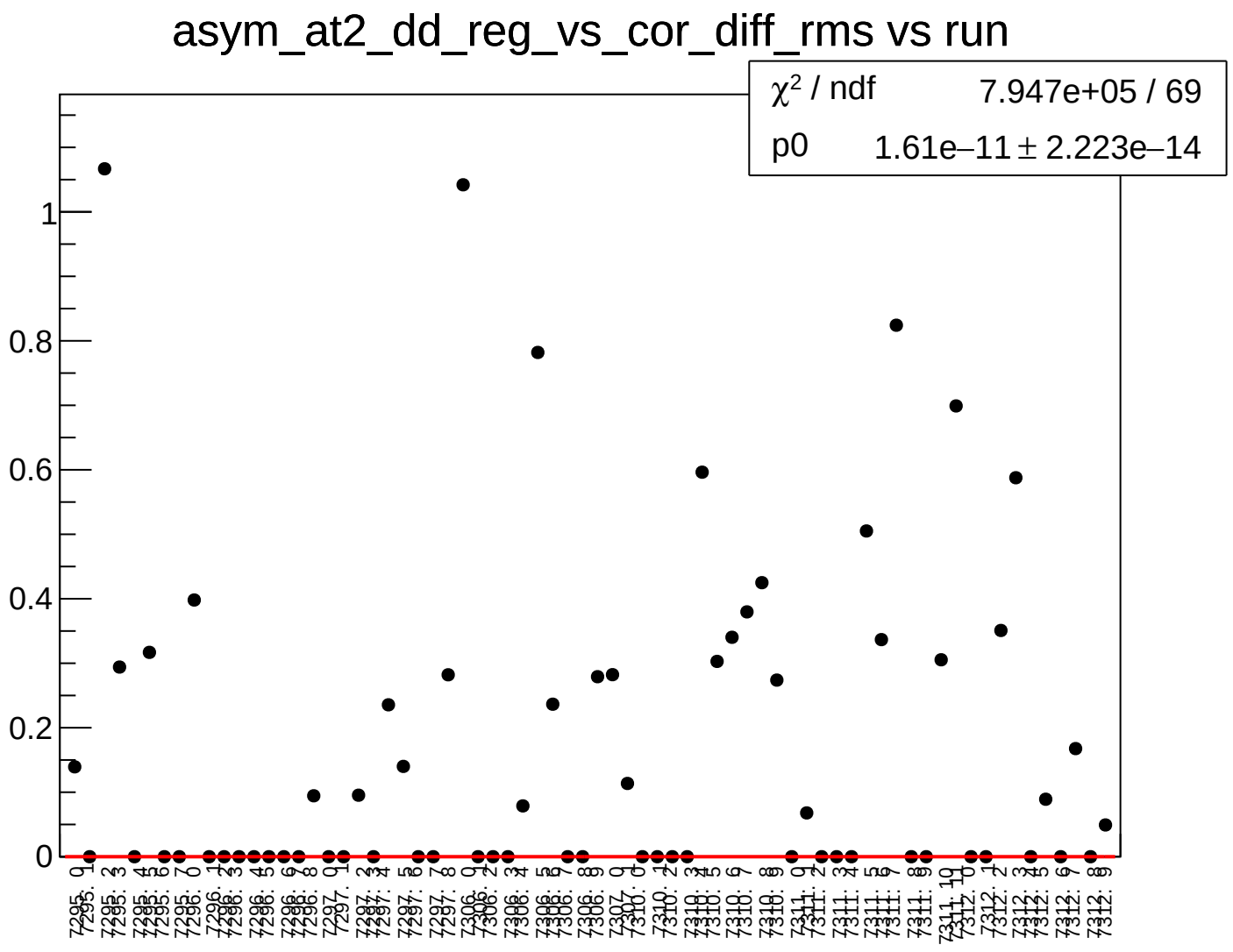

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2848 / 69
p0 650.2 ± 0.5667
740
720
700
680
660
640
620
600
580

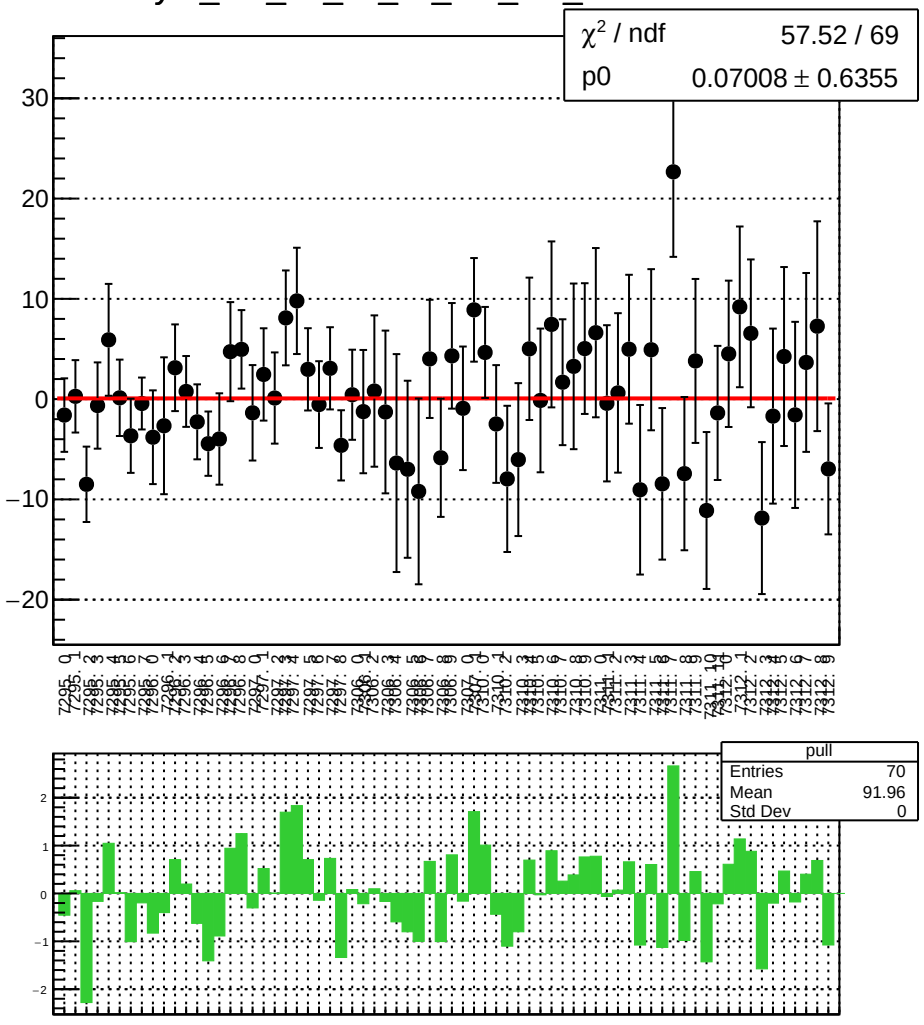

asym_at2_dd_mean vs run
χ² / ndf 81.02 / 69
p0 −900.5 ± 2206
pull
Entries 70
Mean 507.8
Std Dev 0

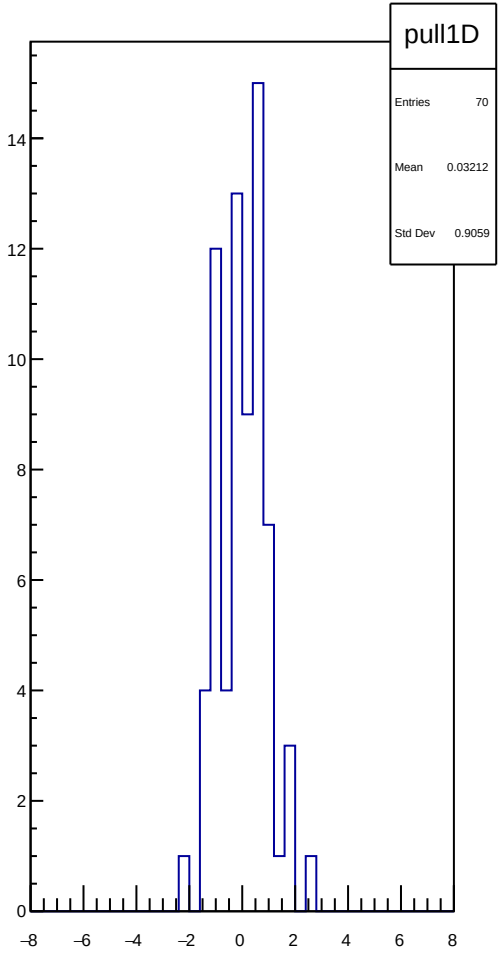

pull1D
Entries 70
Mean −0.00435
Std Dev 1.076

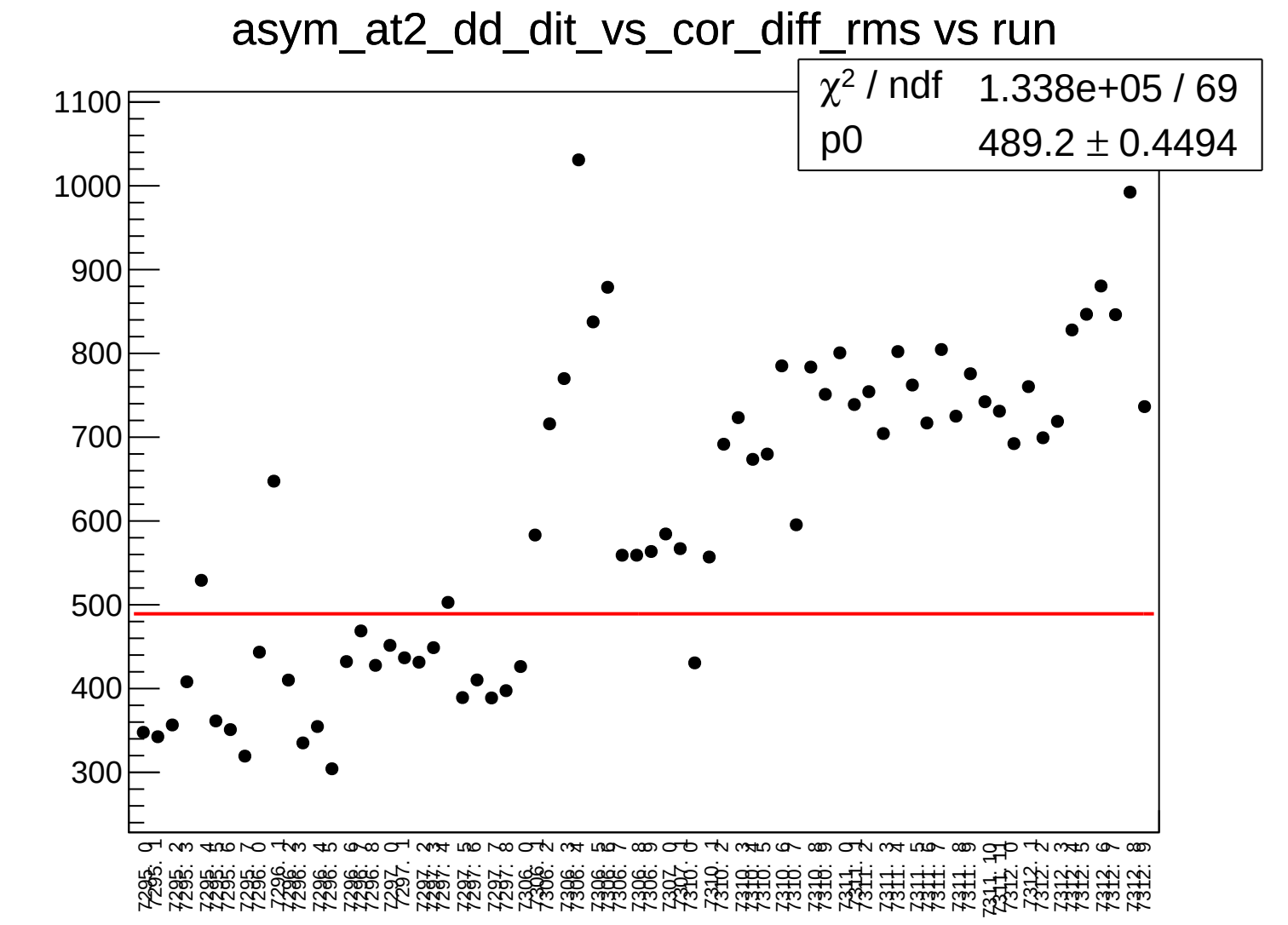

asym_at2_dd_rms vs run
χ² / ndf 3156 / 69
p0 1789 ± 1.56
2200
2100
2000
1900
1800
1700

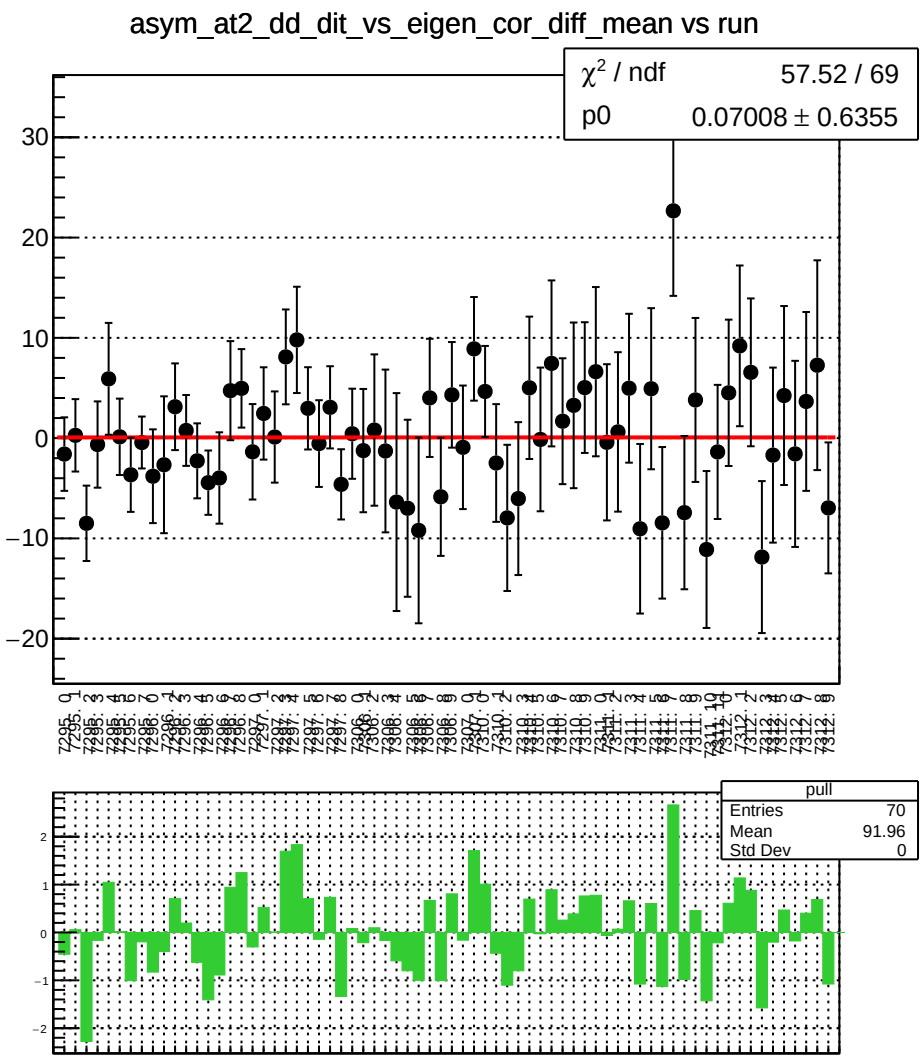

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 75.49 / 69
p0 8.817e−14 ± 3.144e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 70
Mean −2812
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 70
Mean −0.00159
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

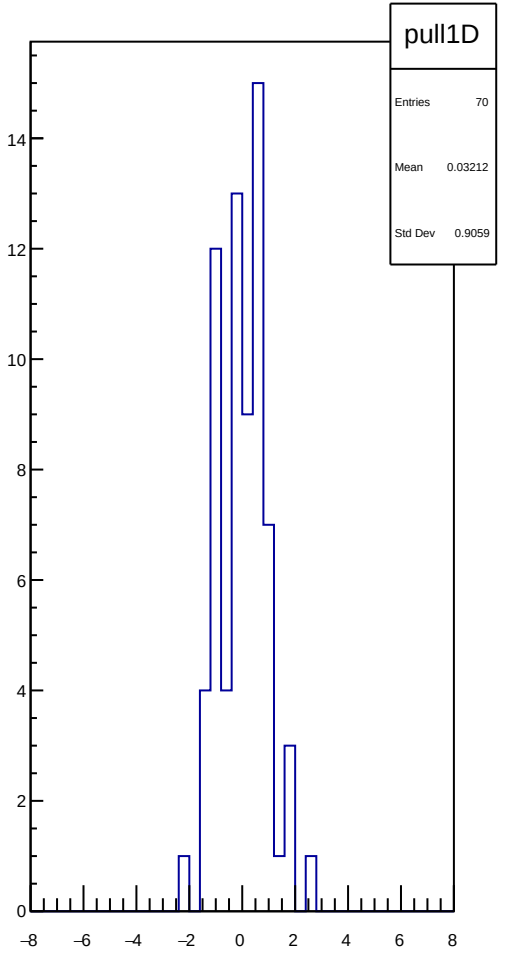

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.947e+05 / 69
p0 1.61e−11 ± 2.223e−14
1
0.8
0.6
0.4
0.2
0

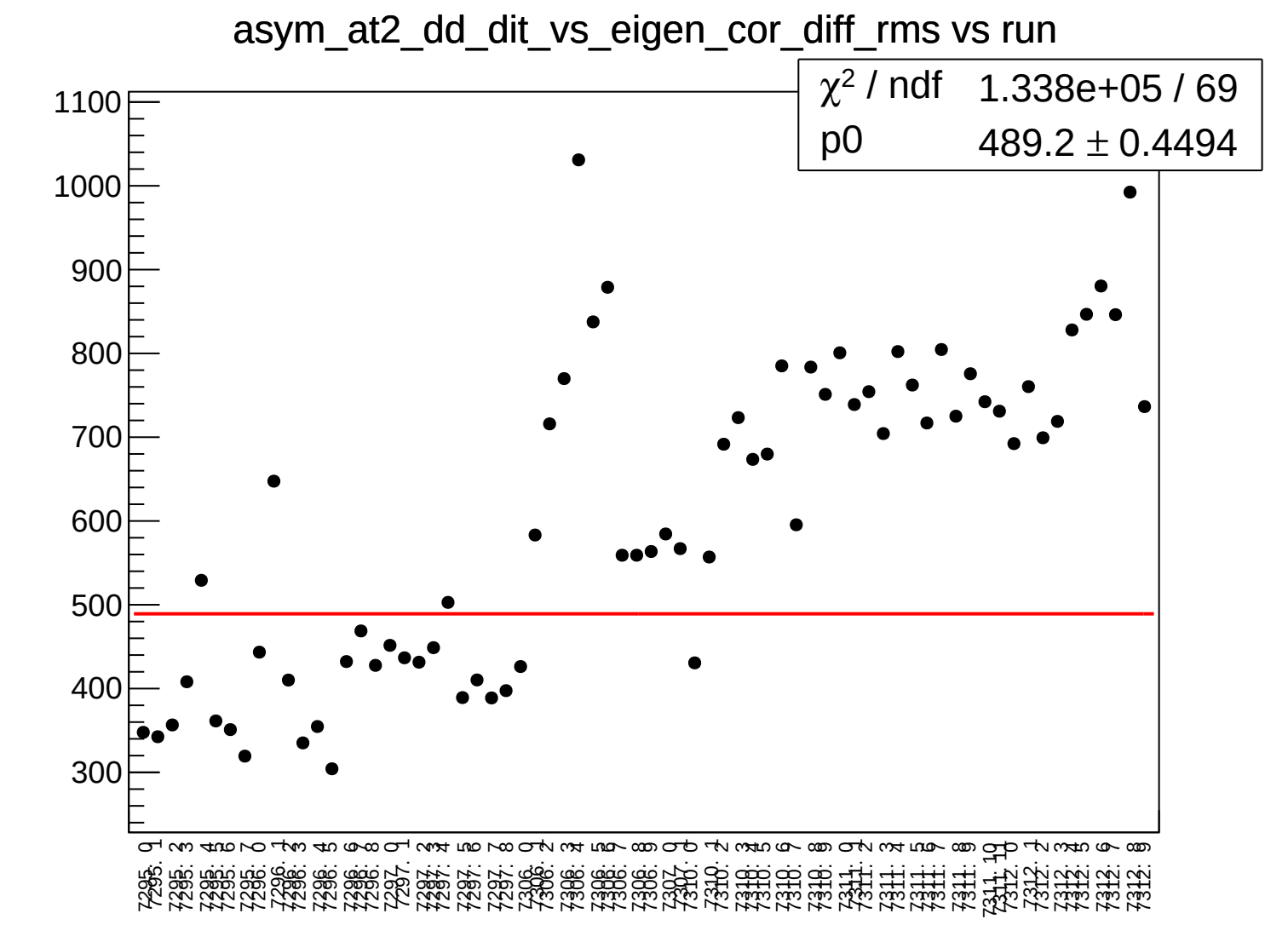

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.52 / 69
p0 0.07008 ± 0.6355
pull
Entries 70
Mean 91.96
Std Dev 0

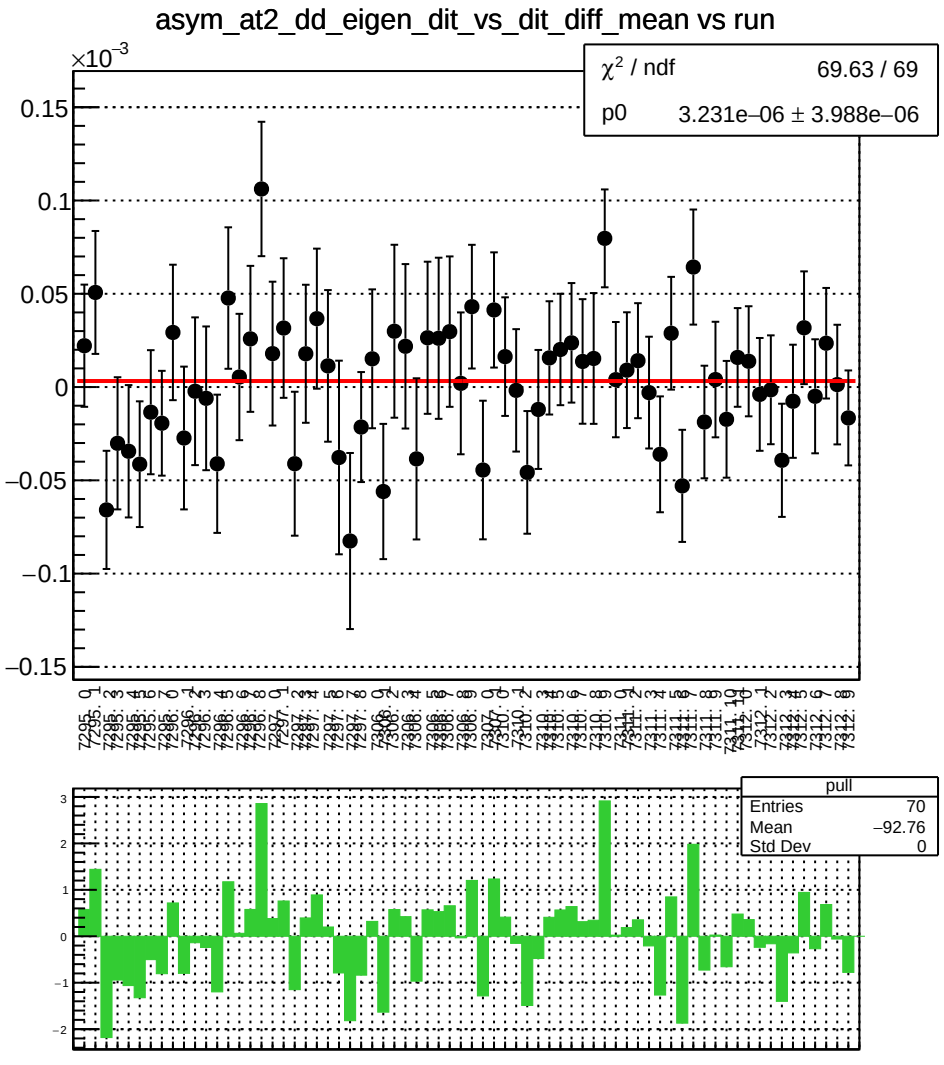

pull1D
Entries 70
Mean 0.03212
Std Dev 0.9059

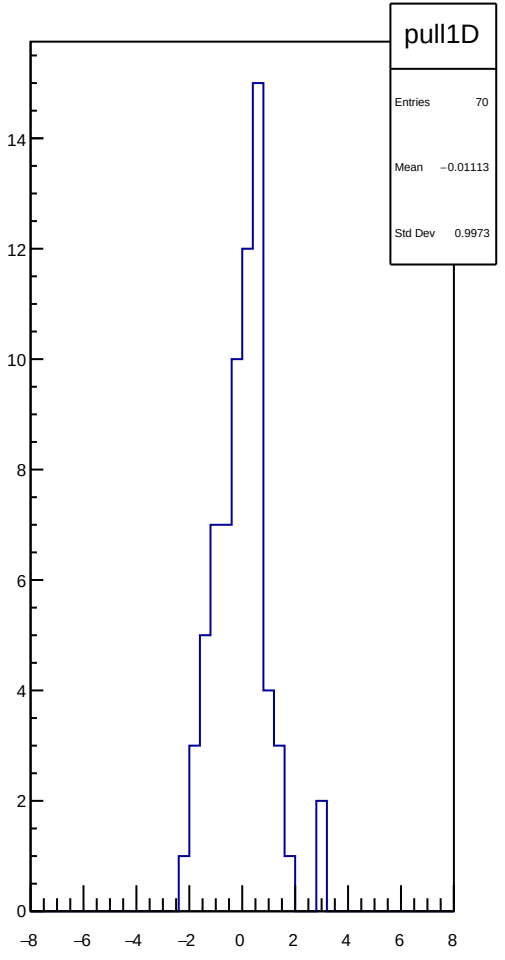

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.338e+05 / 69
p0 489.2 ± 0.4494
1100
1000
900
800
700
600
500
400
300

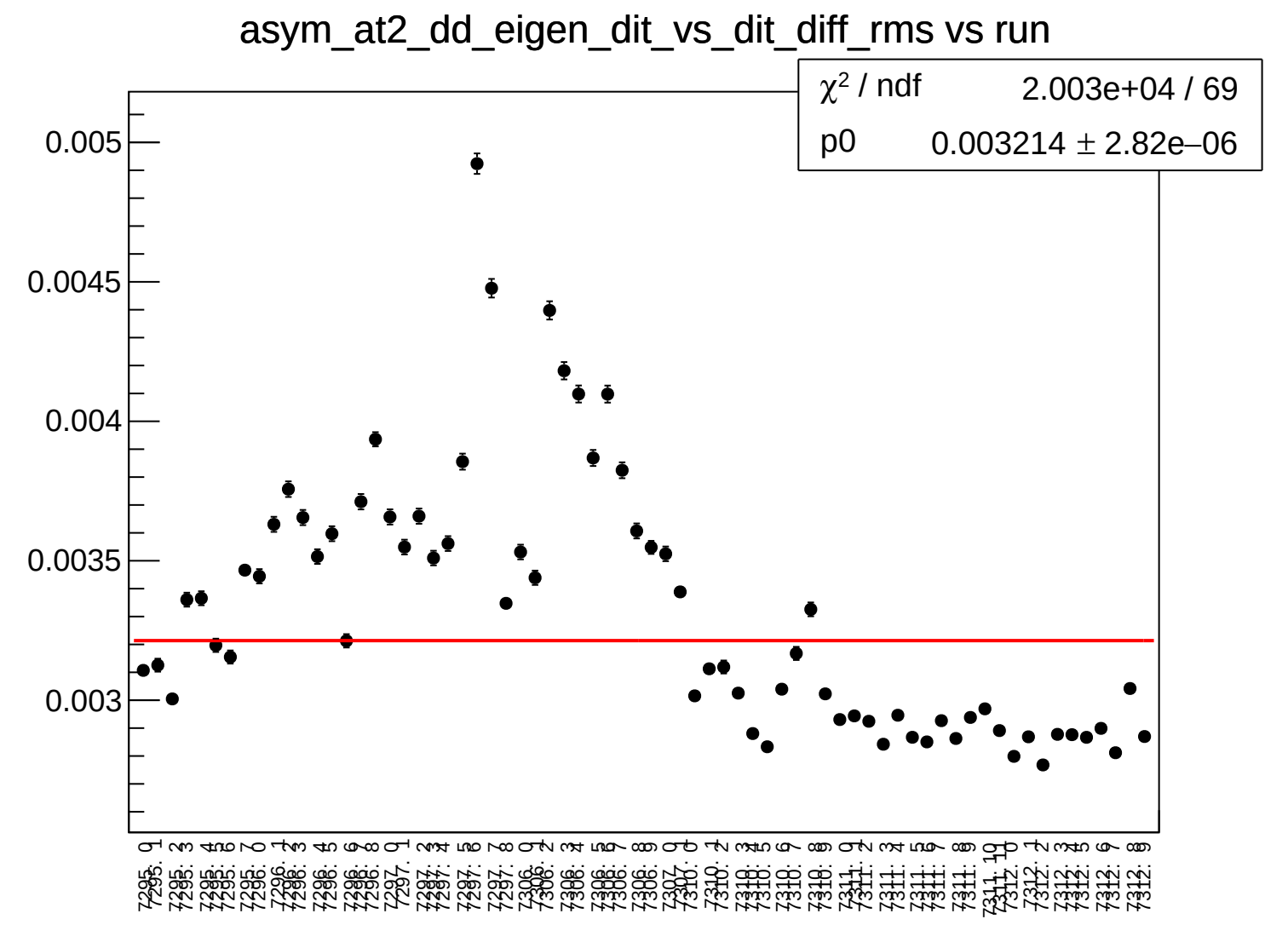

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.52 / 69
p0 0.07008 ± 0.6355
pull
Entries 70
Mean 91.96
Std Dev 0


pull1D
Entries 70
Mean 0.03212
Std Dev 0.9059

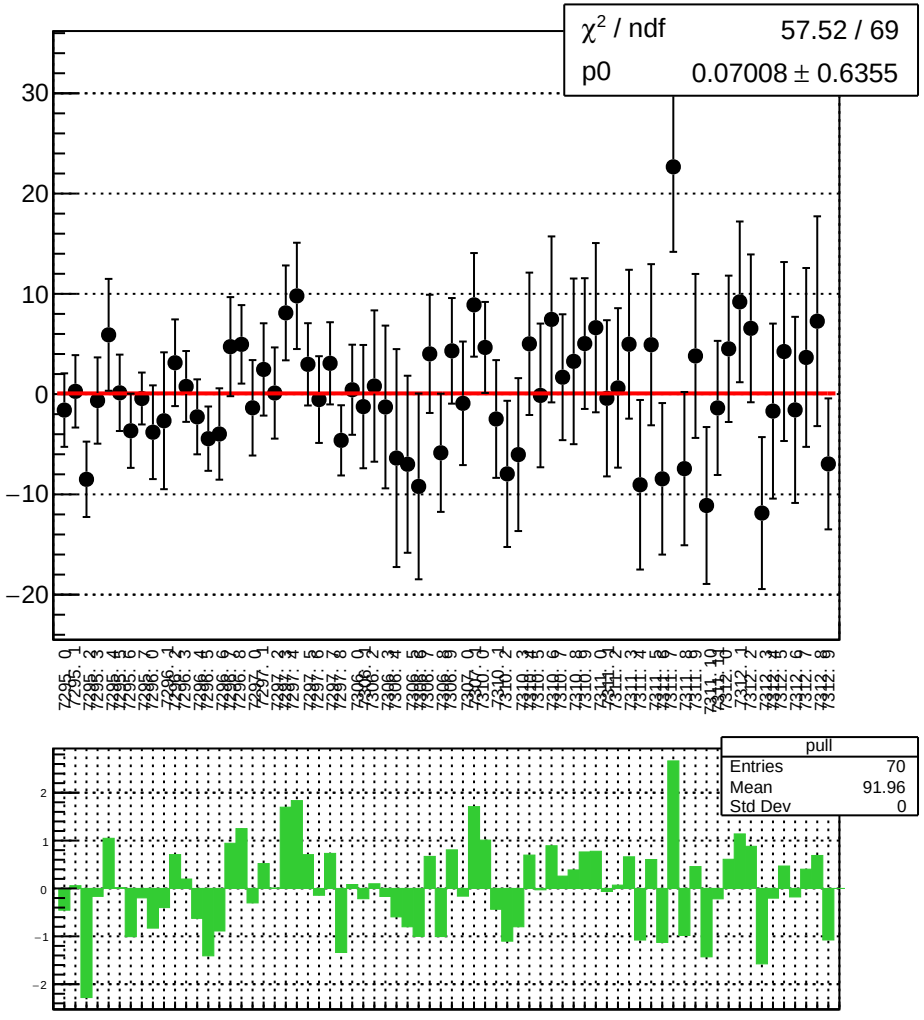

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.338e+05 / 69
p0 489.2 ± 0.4494
1100
1000
900
800
700
600
500
400
300

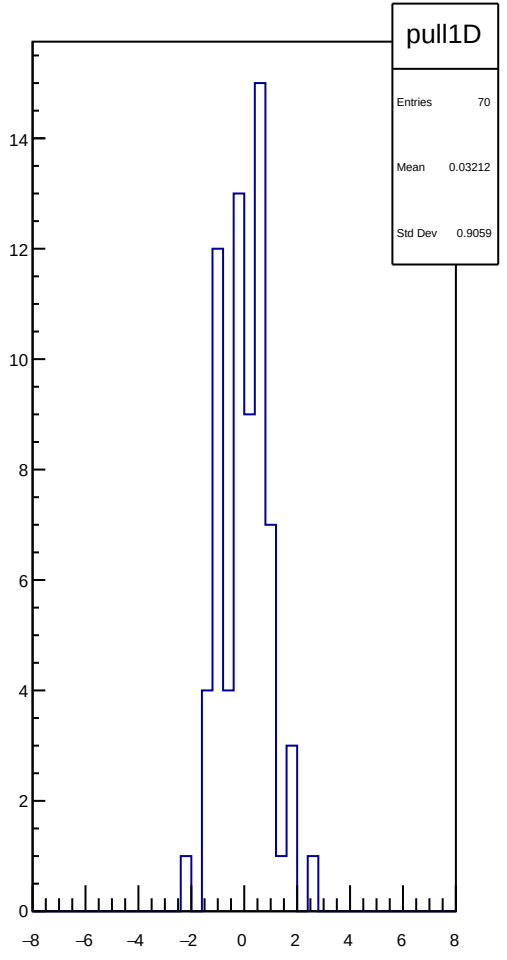

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.63 / 69
p0 3.231e−06 ± 3.988e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 70
Mean −92.76
Std Dev 0

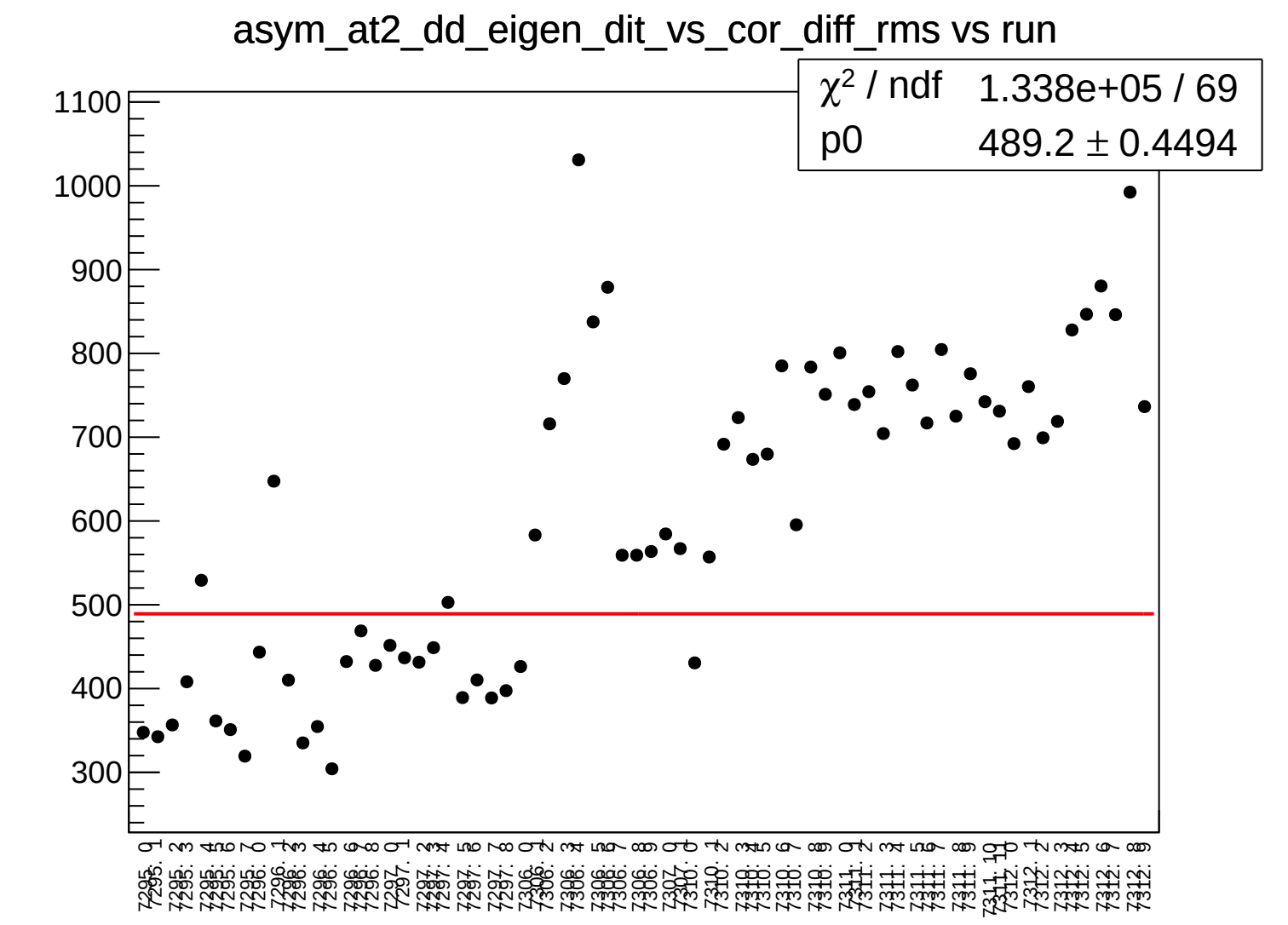

pull1D
Entries 70
Mean −0.01113
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

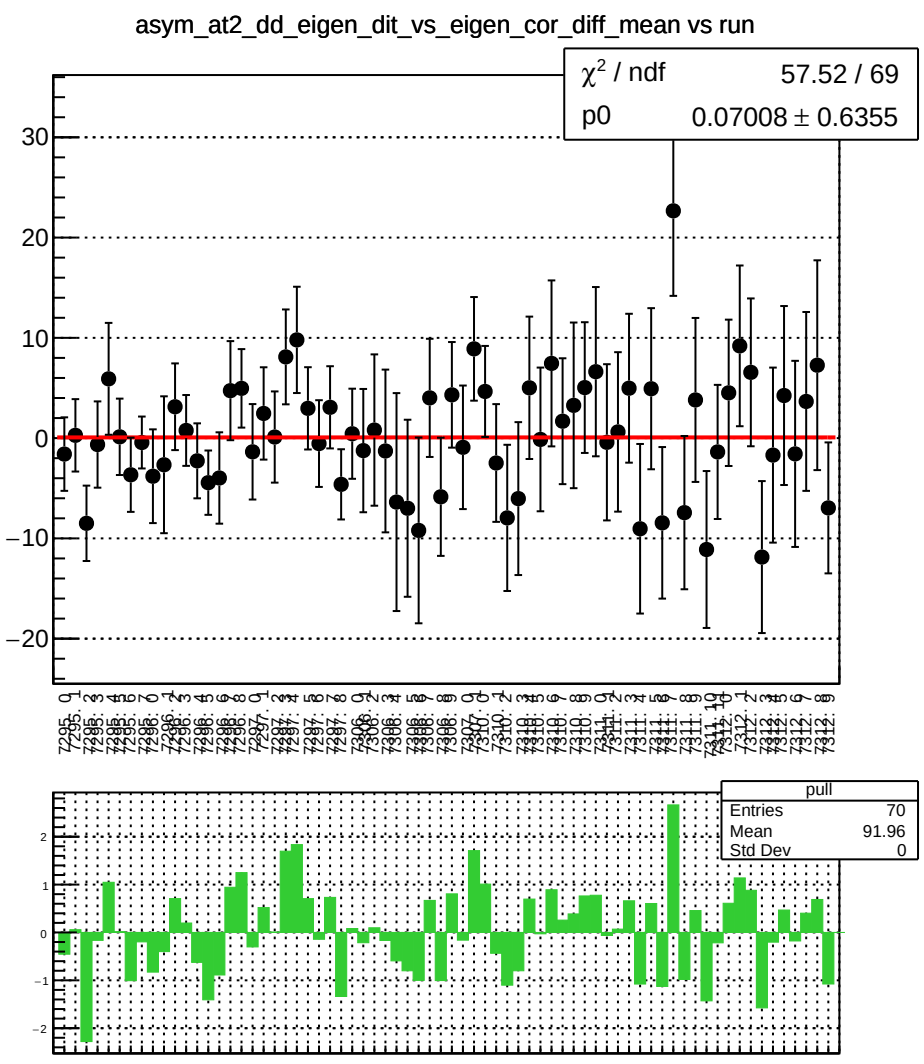

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.003e+04 / 69
p0 0.003214 ± 2.82e−06
0.005
0.0045
0.004
0.0035
0.003

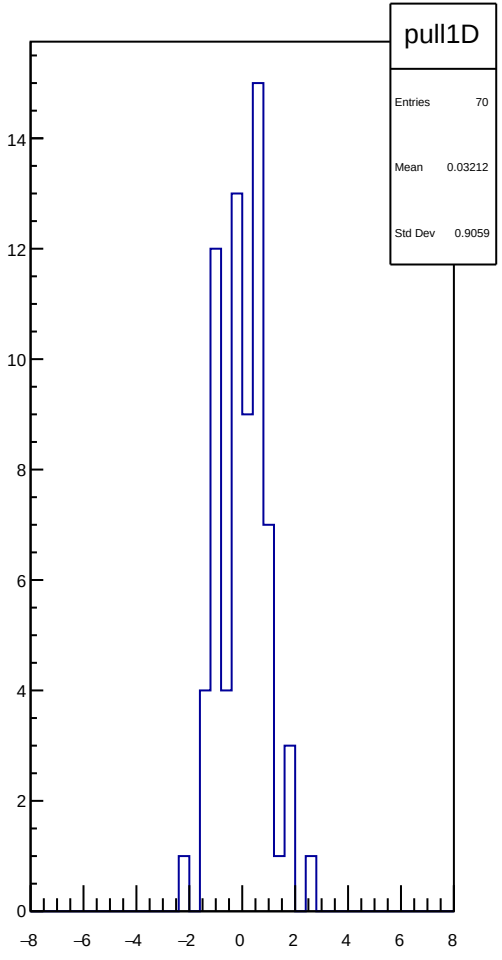
asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run

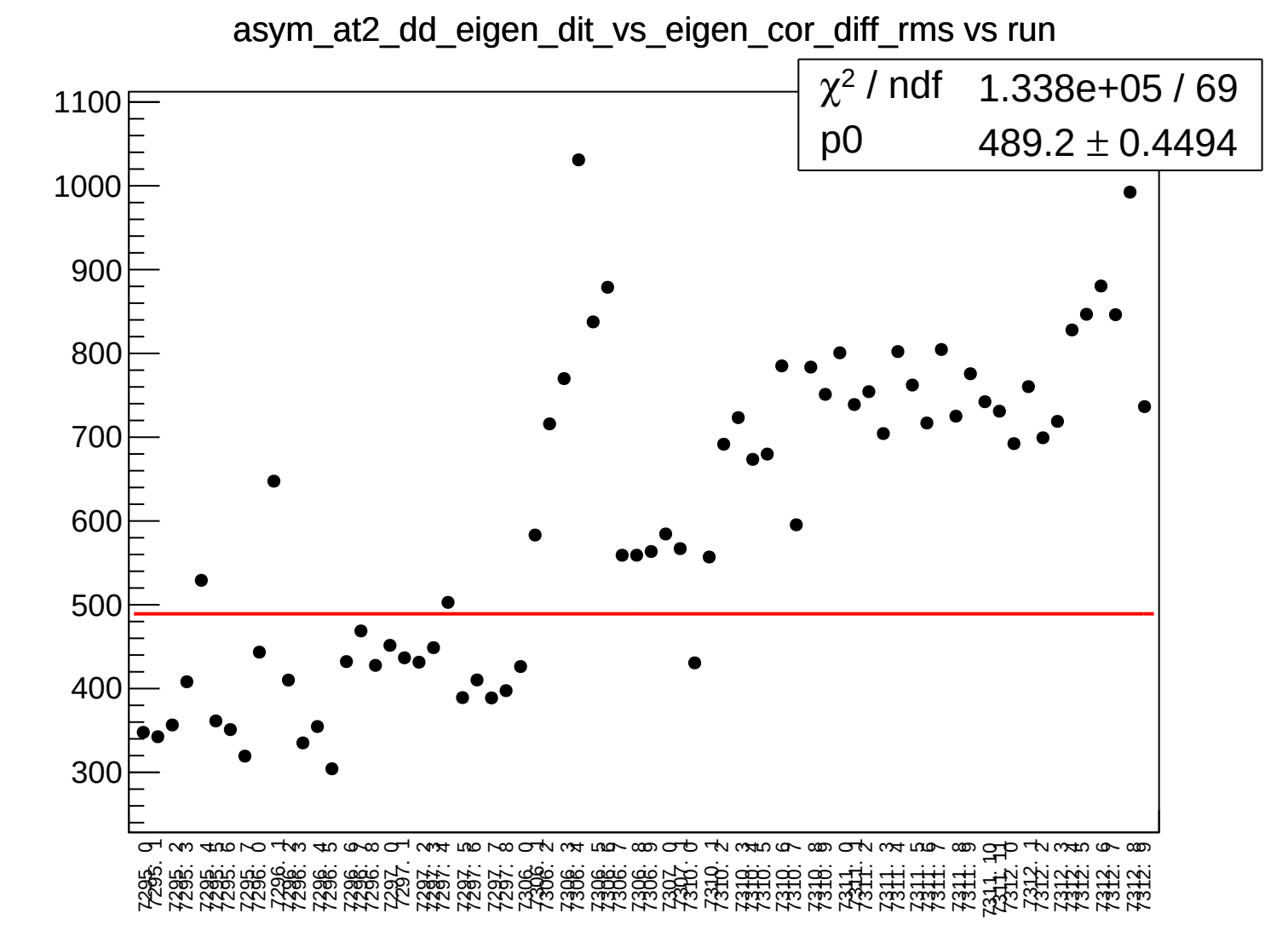


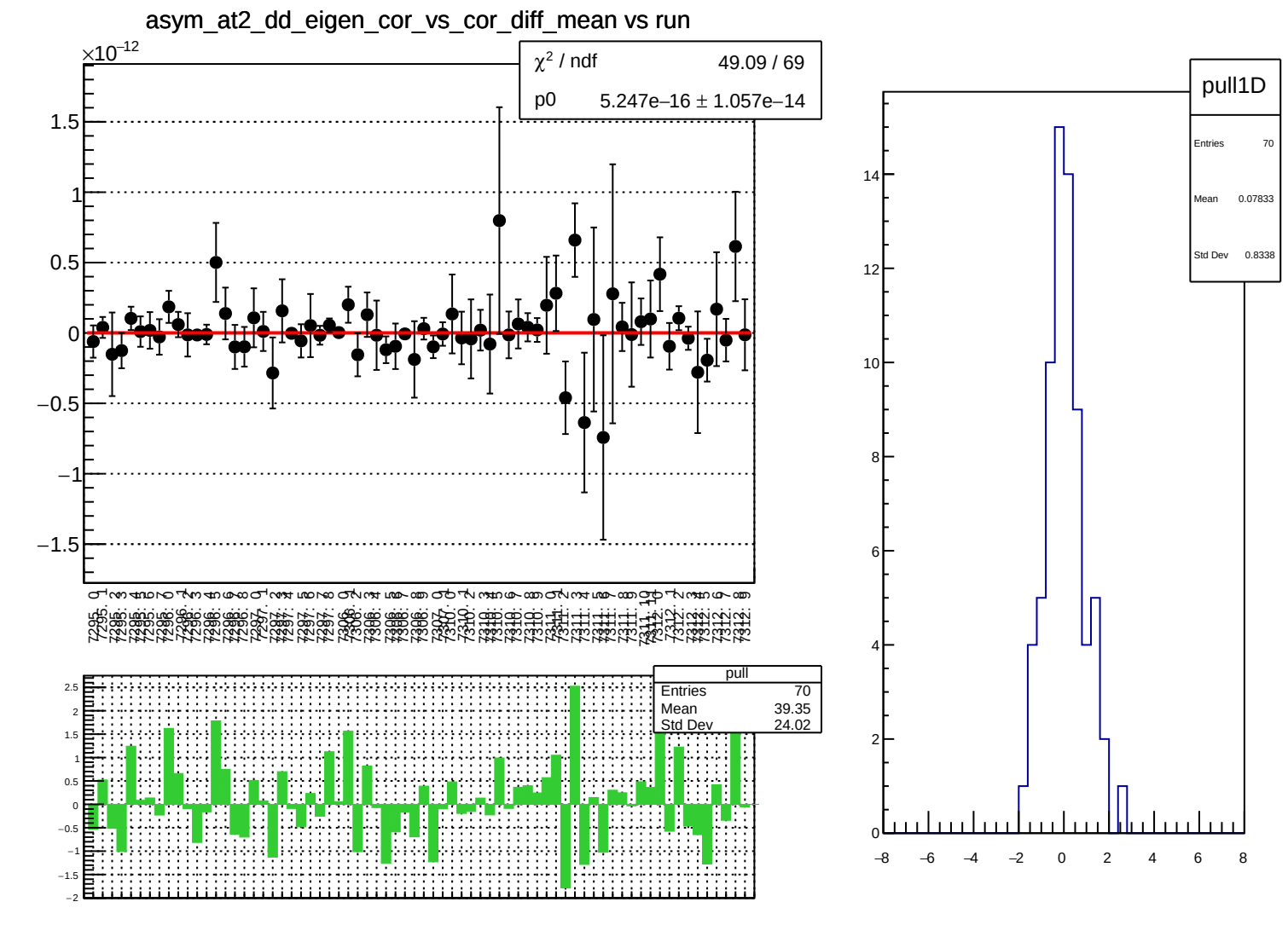


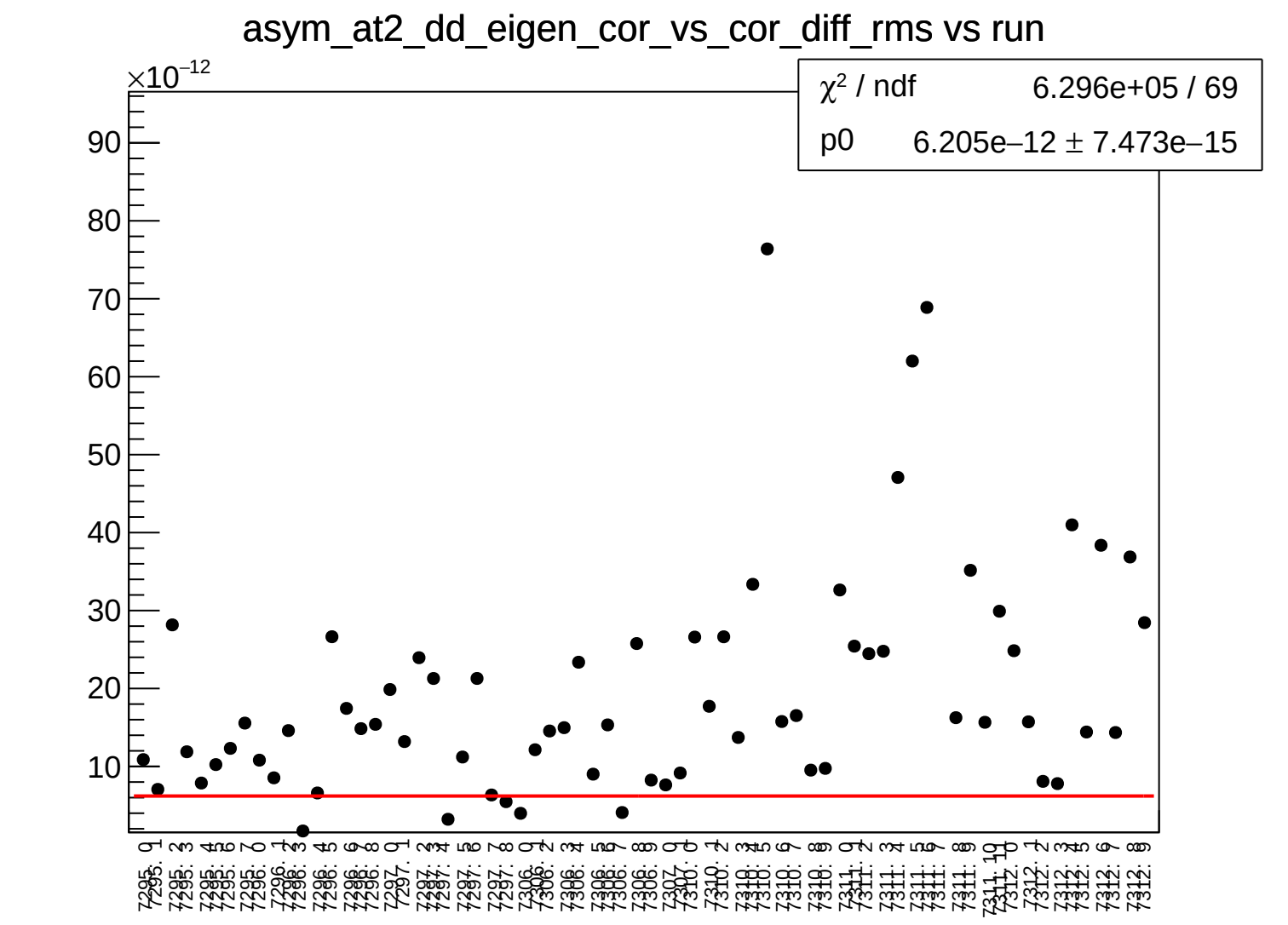

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.338e+05 / 69
p0 489.2 ± 0.4494
1100
1000
900
800
700
600
500
400
300

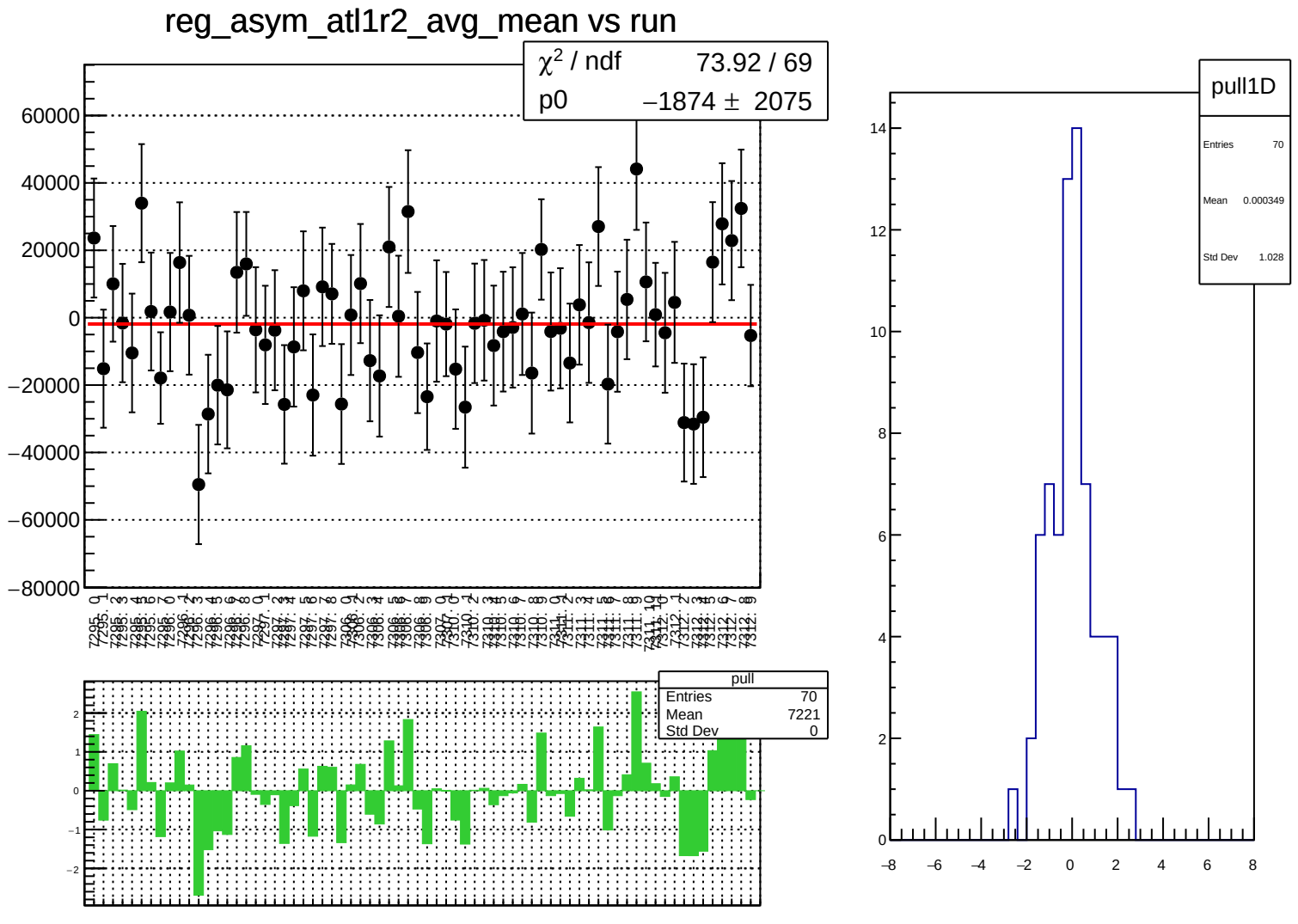

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.52 / 69
p0 0.07008 ± 0.6355
pull
Entries 70
Mean 91.96
Std Dev 0

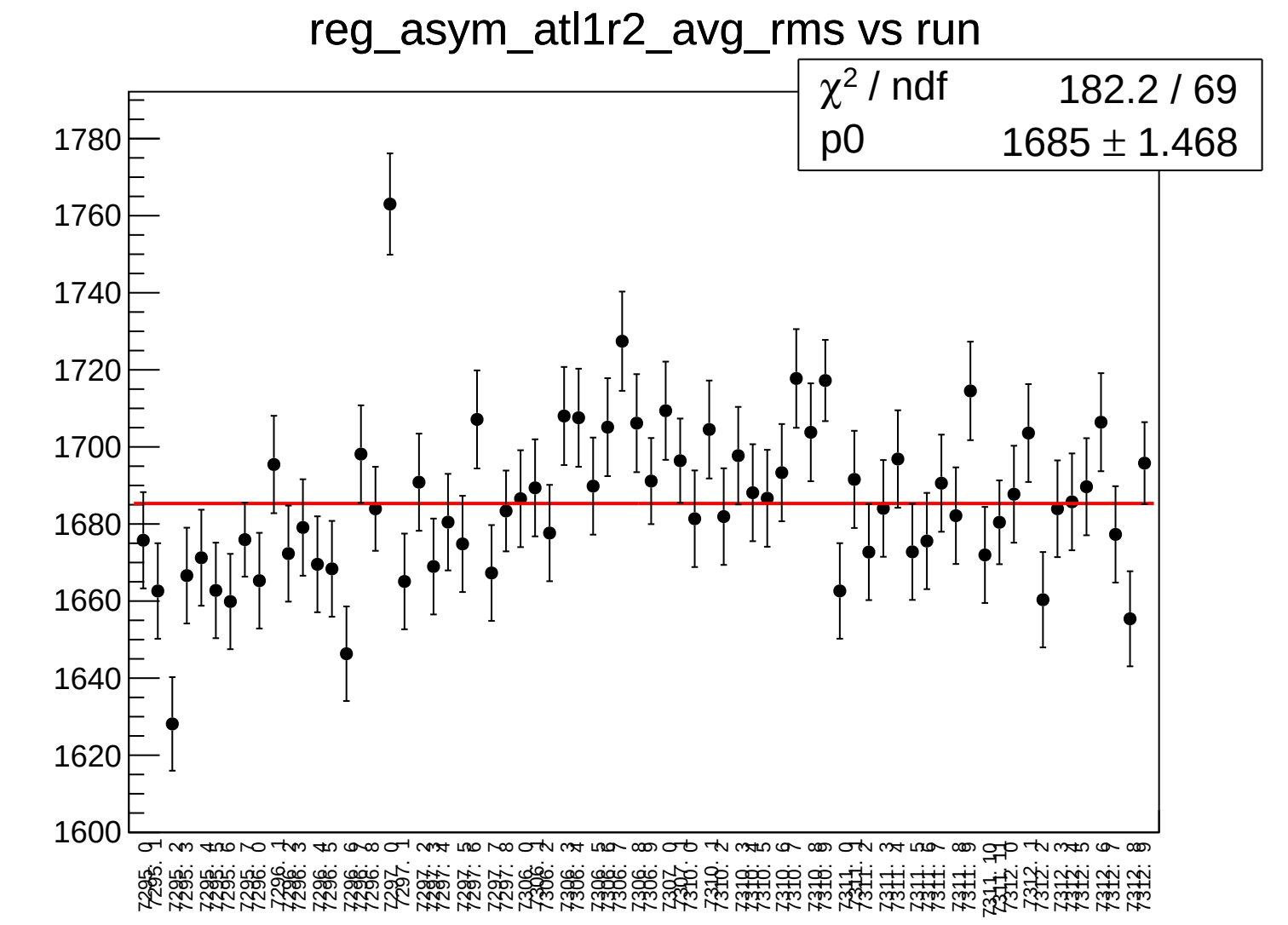

pull1D
Entries 70
Mean 0.03212
Std Dev 0.9059

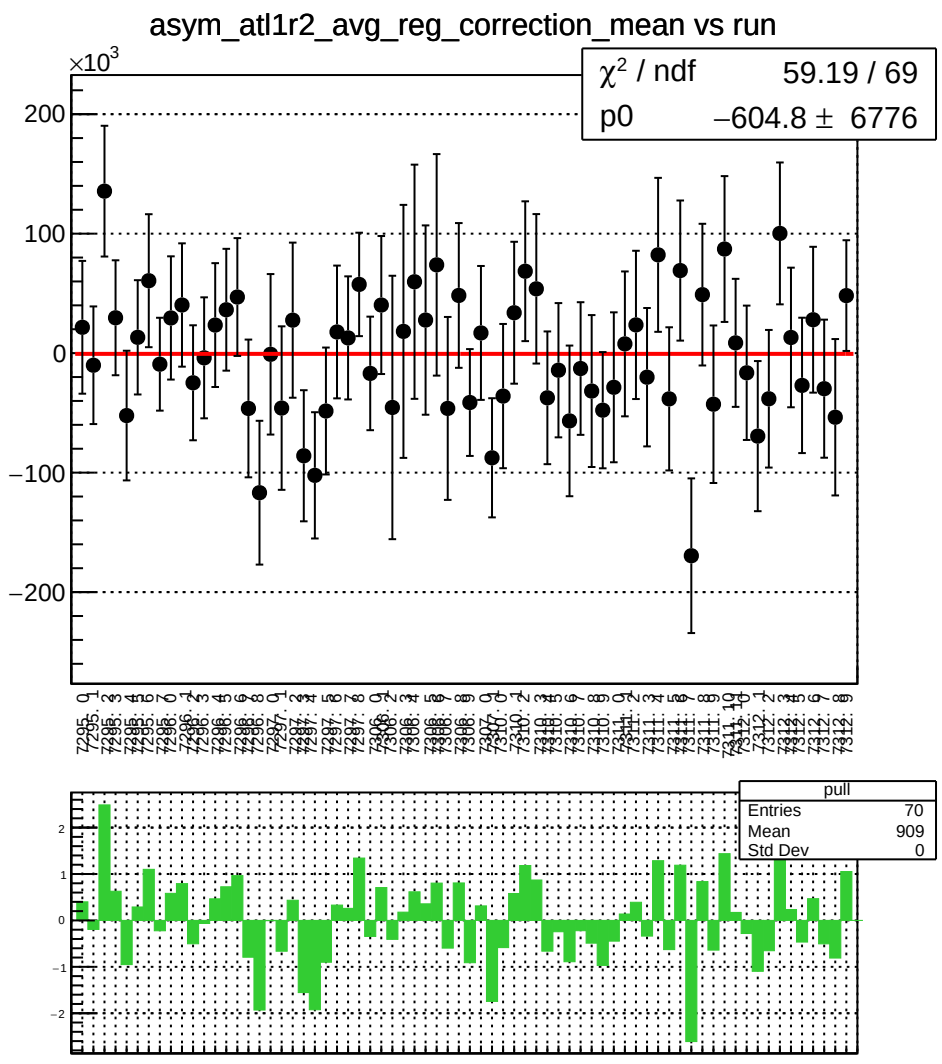

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.338e+05 / 69
p0 489.2 ± 0.4494
1100
1000
900
800
700
600
500
400
300

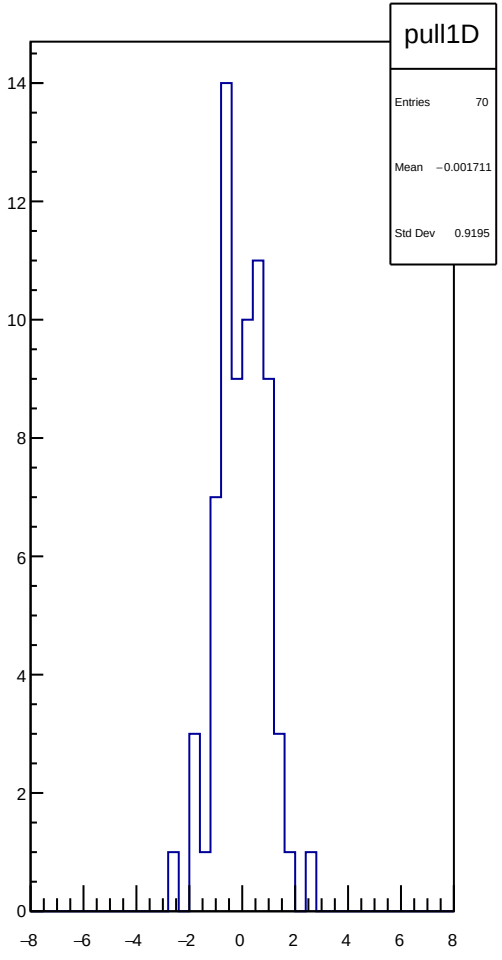

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.09 / 69
p0 5.247e−16 ± 1.057e−14
pull
Entries 70
Mean 39.35
Std Dev 24.02
pull1D
Entries 70
Mean 0.07833
Std Dev 0.8338

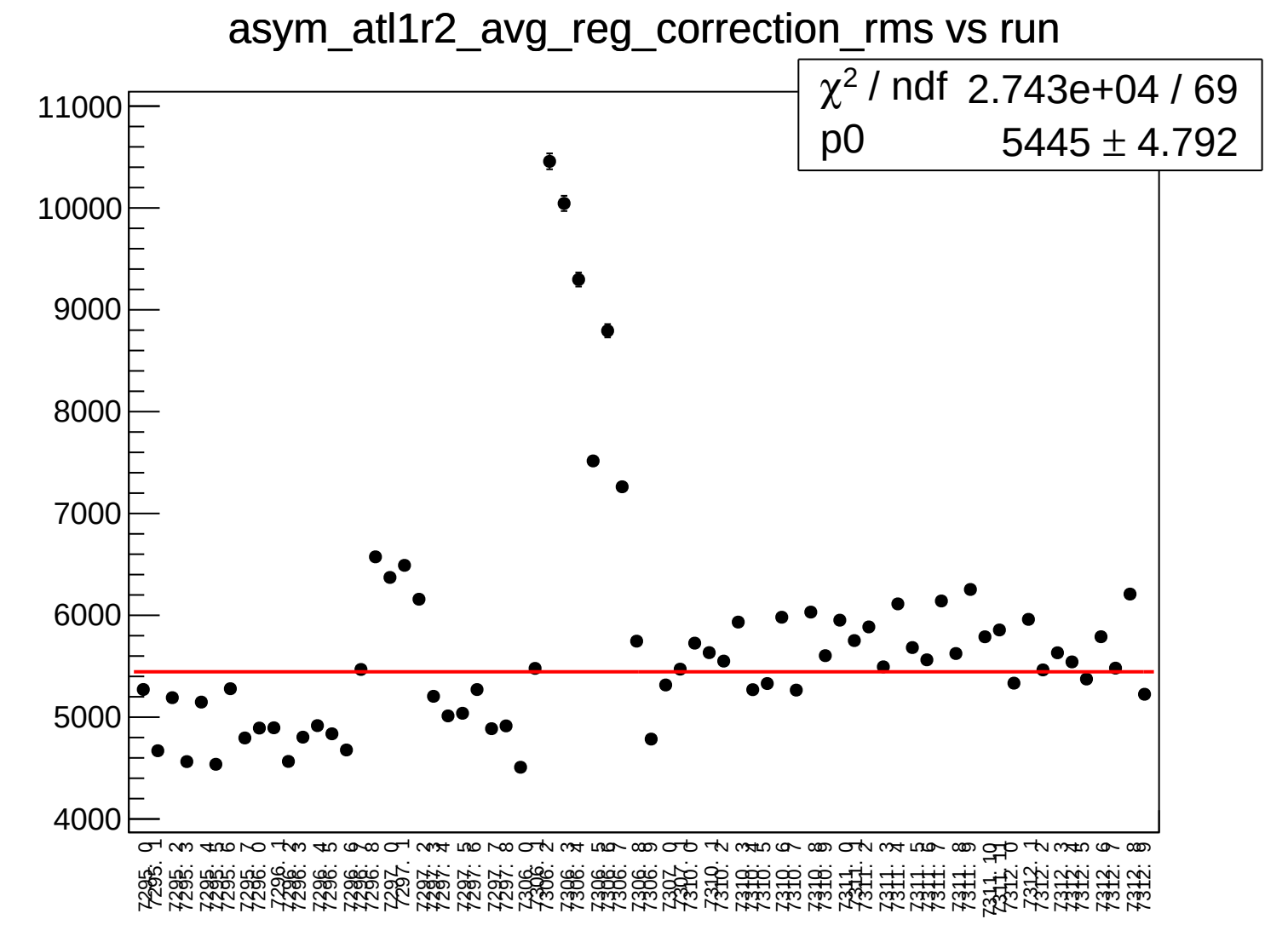

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.296e+05 / 69
p0 6.205e−12 ± 7.473e−15
90
80
70
60
50
40
30
20
10

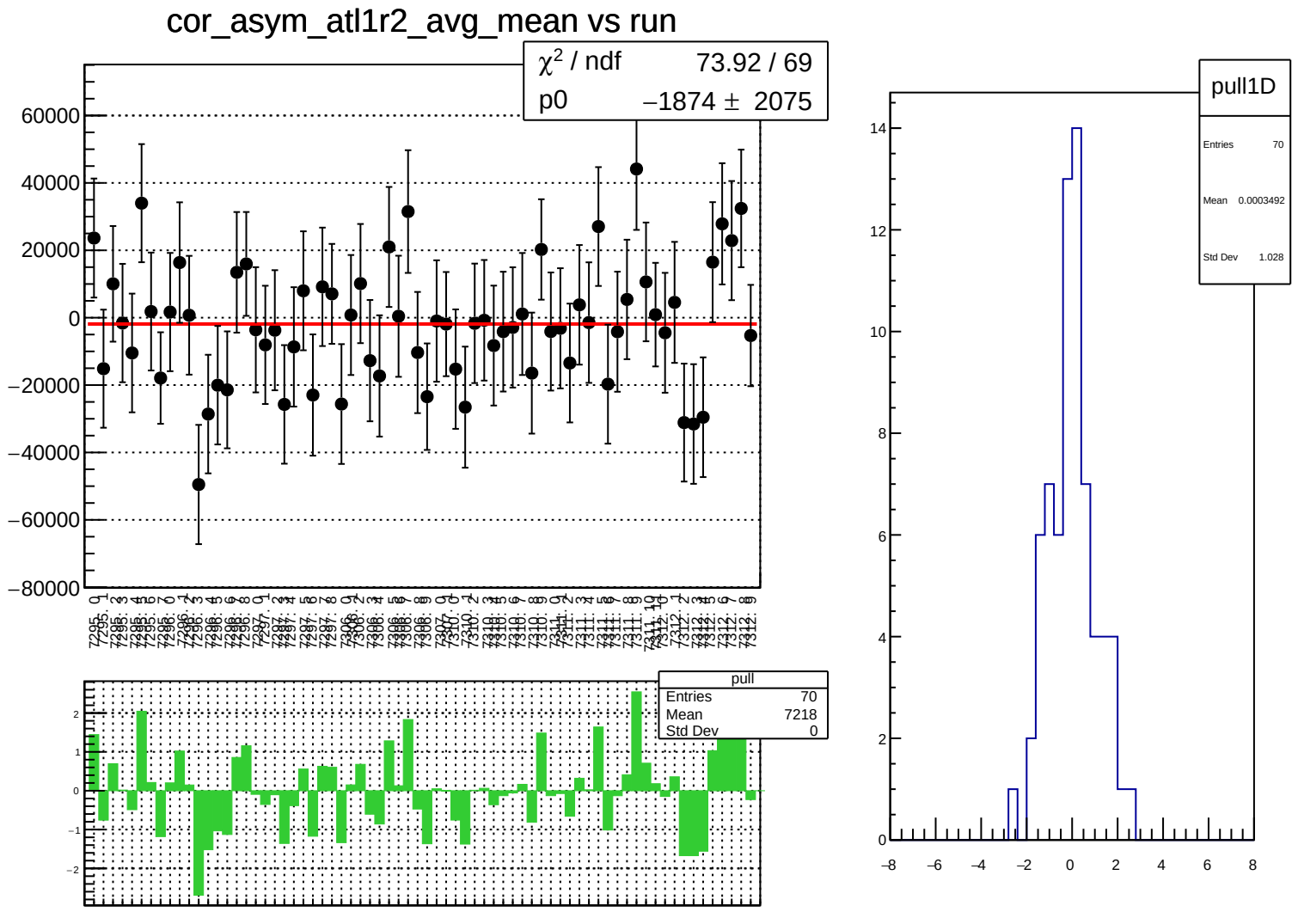

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 73.92 / 69
p0 −1874 ± 2075
pull
Entries 70
Mean 7221
Std Dev 0
pull1D
Entries 70
Mean 0.000349
Std Dev 1.028

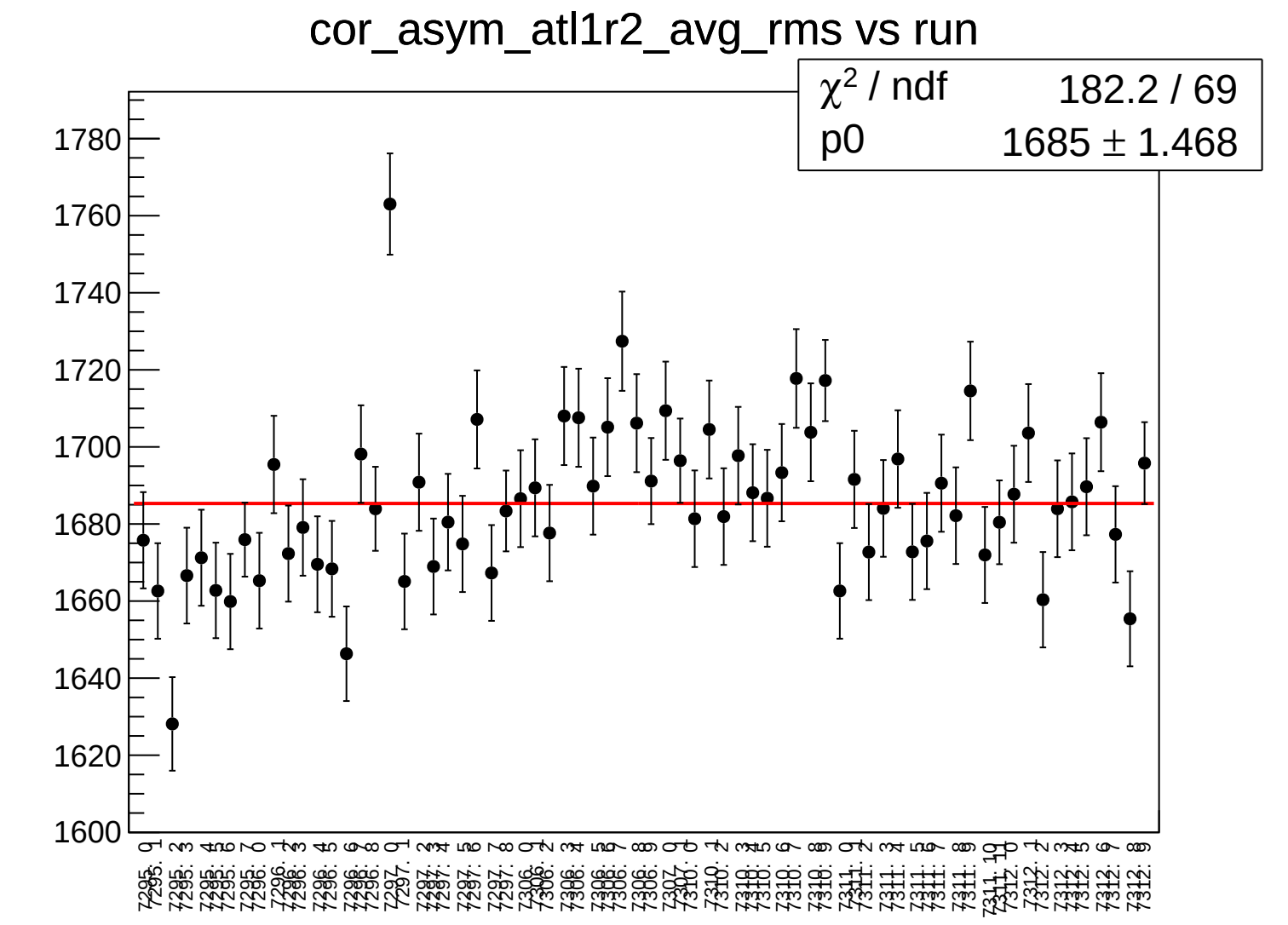

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 182.2 / 69
p0 1685 ± 1.468
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600

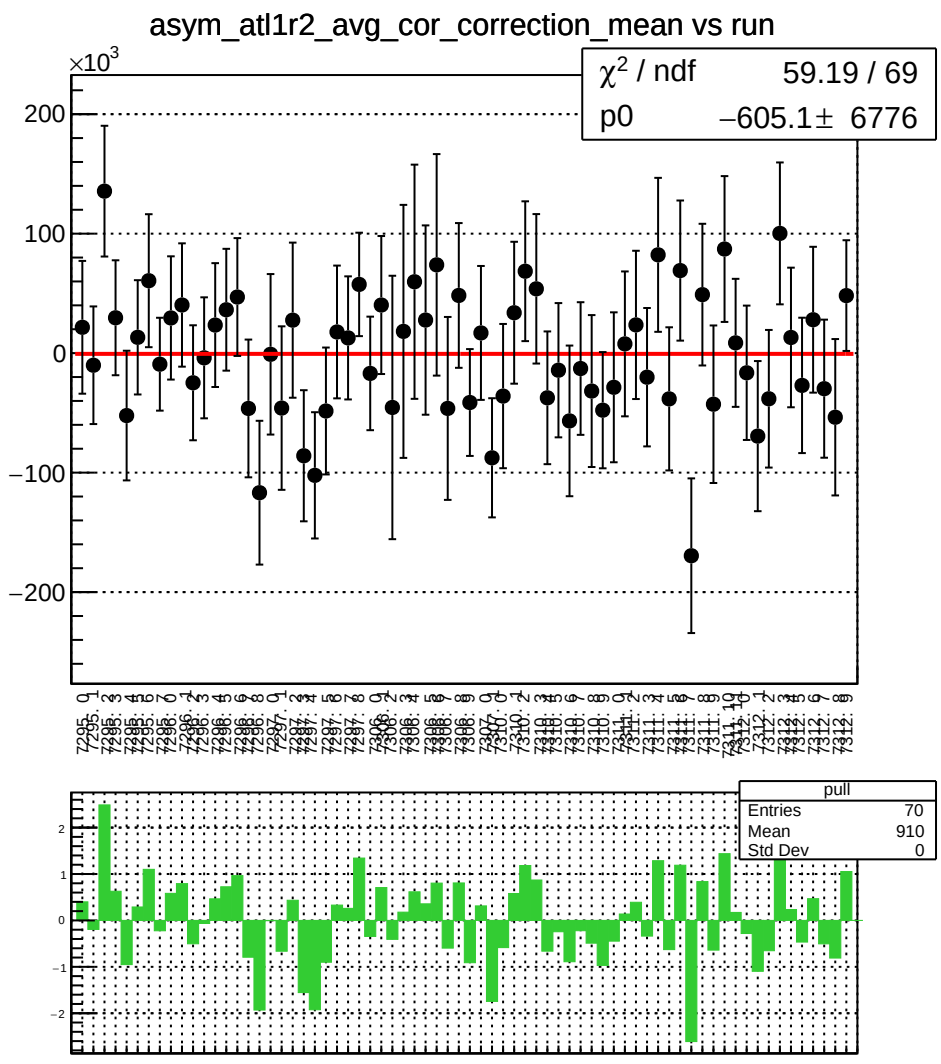

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.19 / 69
p0 −604.8 ± 6776
200
100
0
−100
−200
pull
Entries 70
Mean 909
Std Dev 0
2
1
0
−1
−2

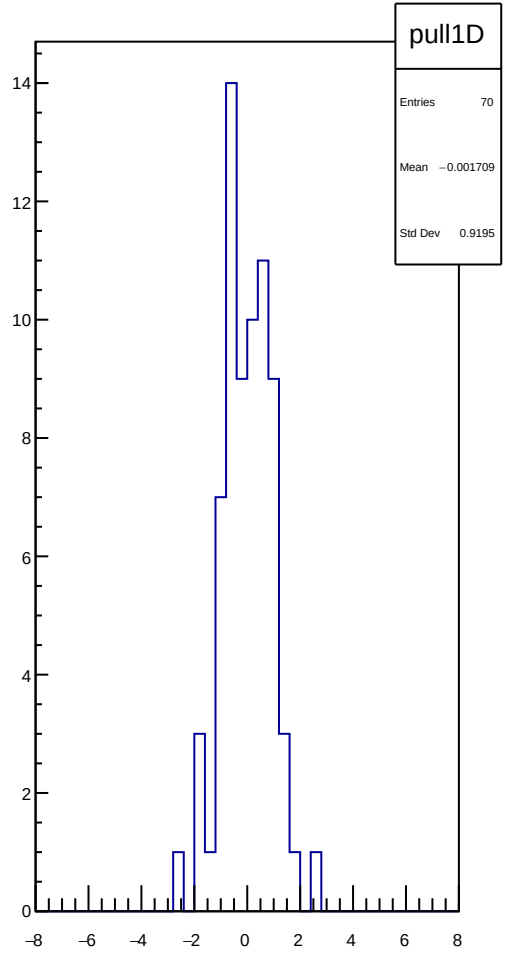

pull1D
Entries 70
Mean −0.001711
Std Dev 0.9195
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

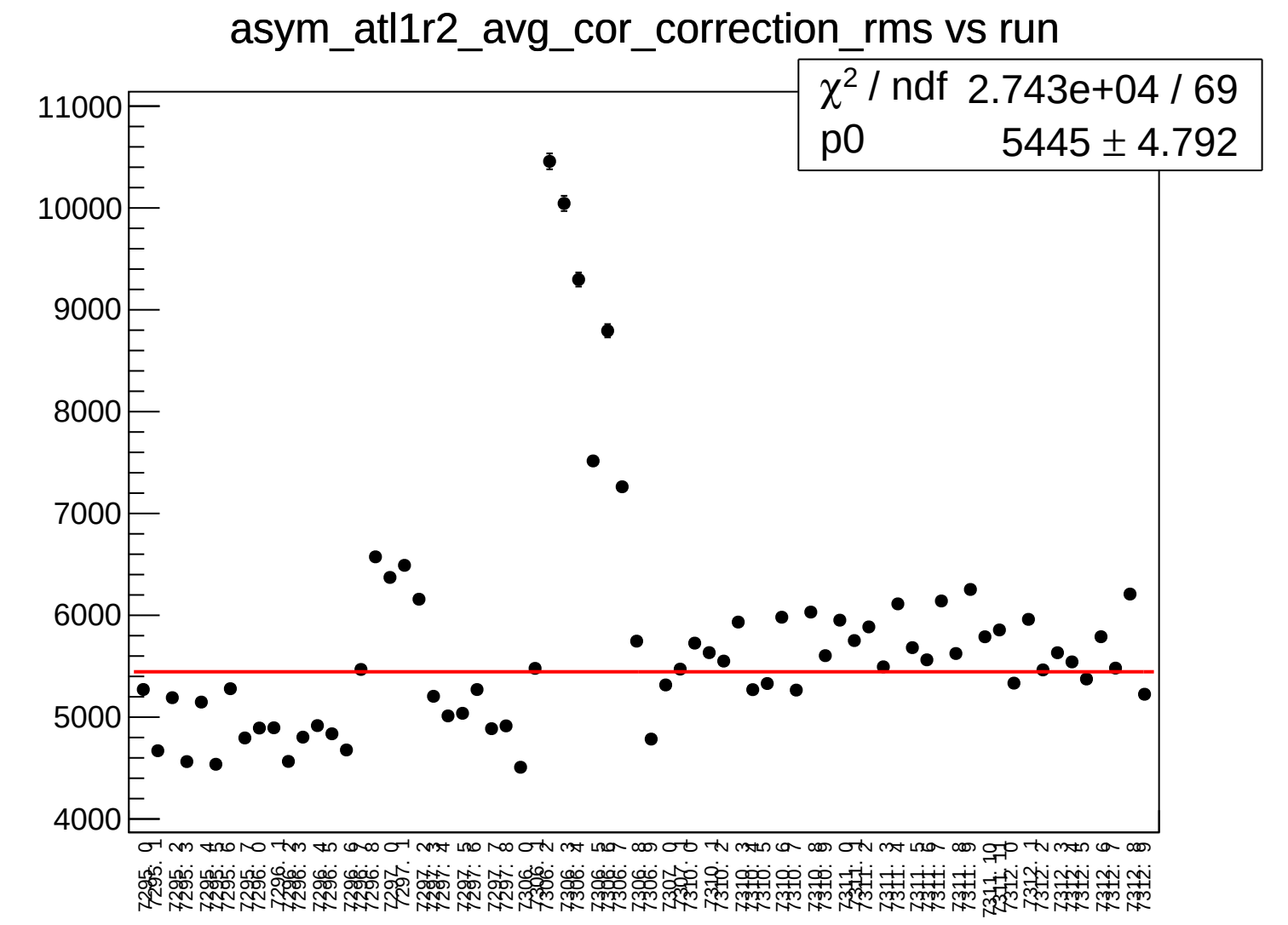

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2.743e+04 / 69
p0 5445 ± 4.792
11000
10000
9000
8000
7000
6000
5000
4000

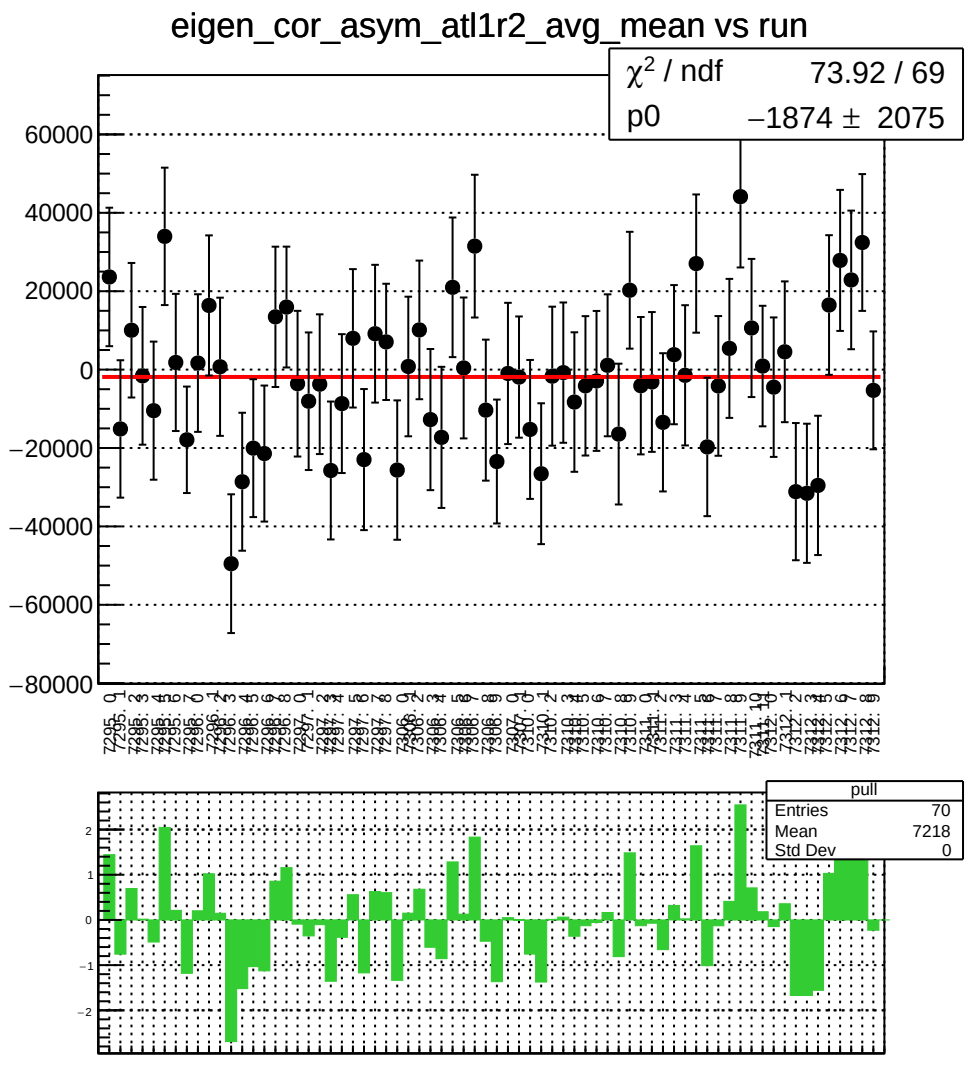

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 73.92 / 69
p0 −1874 ± 2075
pull
Entries 70
Mean 7218
Std Dev 0
pull1D
Entries 70
Mean 0.0003492
Std Dev 1.028

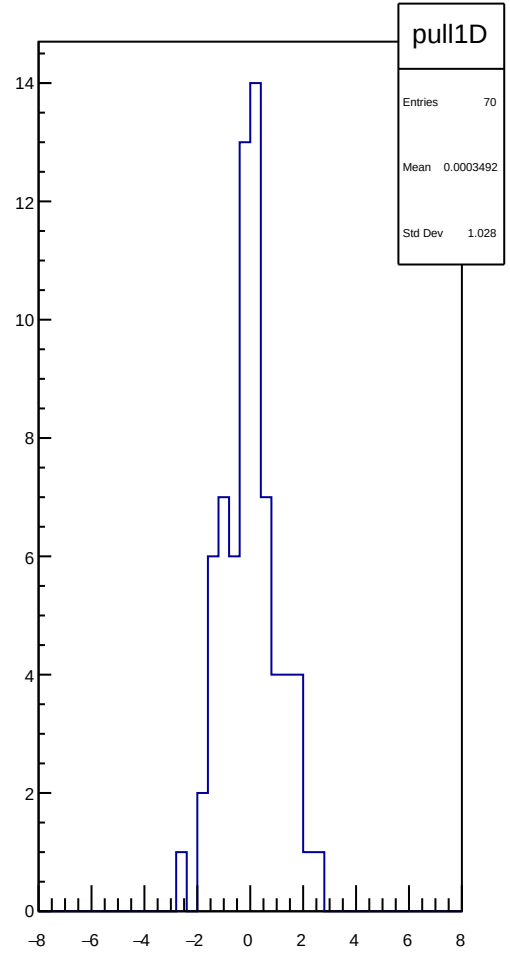

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 182.2 / 69
p0 1685 ± 1.468
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600

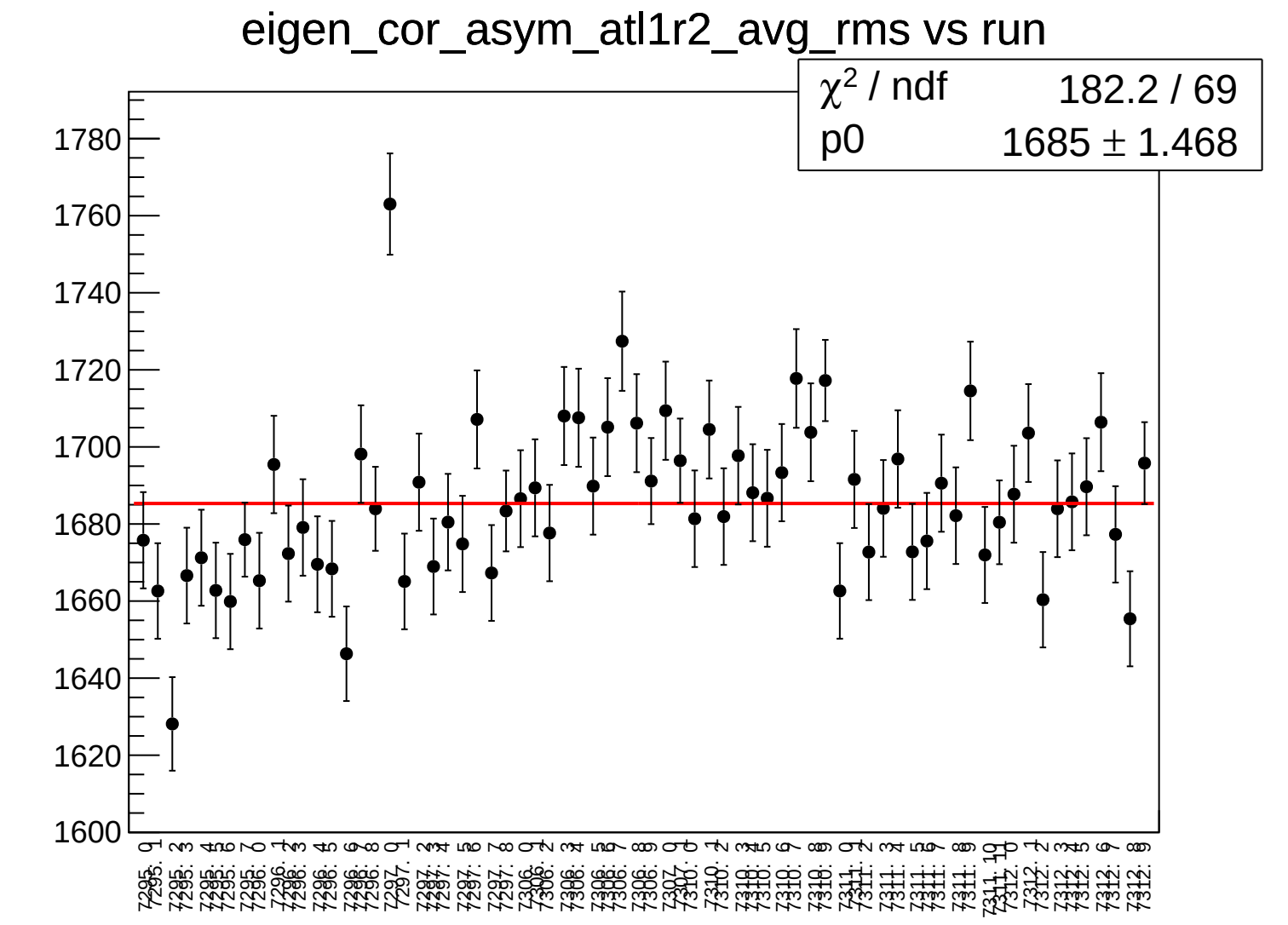

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.19 / 69
p0 −605.1± 6776
200
100
0
−100
−200
pull
Entries 70
Mean 910
Std Dev 0
2
1
0
−1
−2

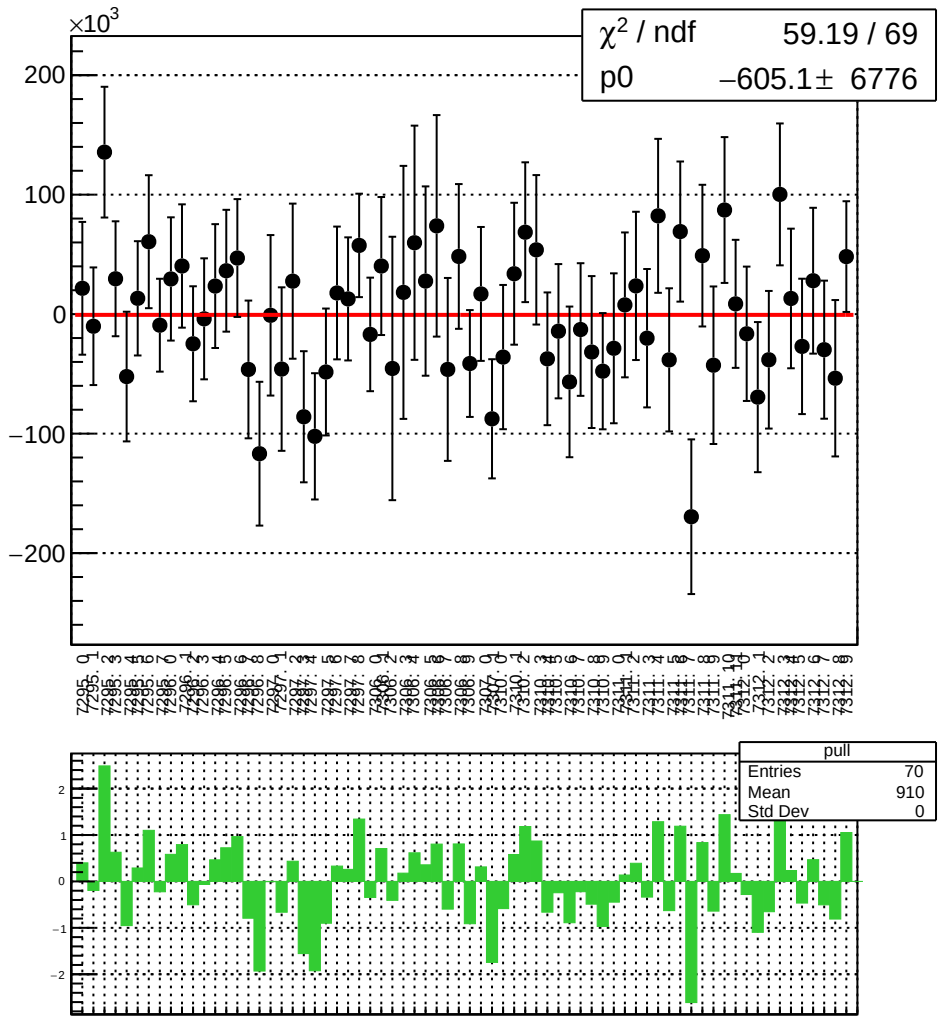

pull1D
Entries 70
Mean −0.001709
Std Dev 0.9195
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

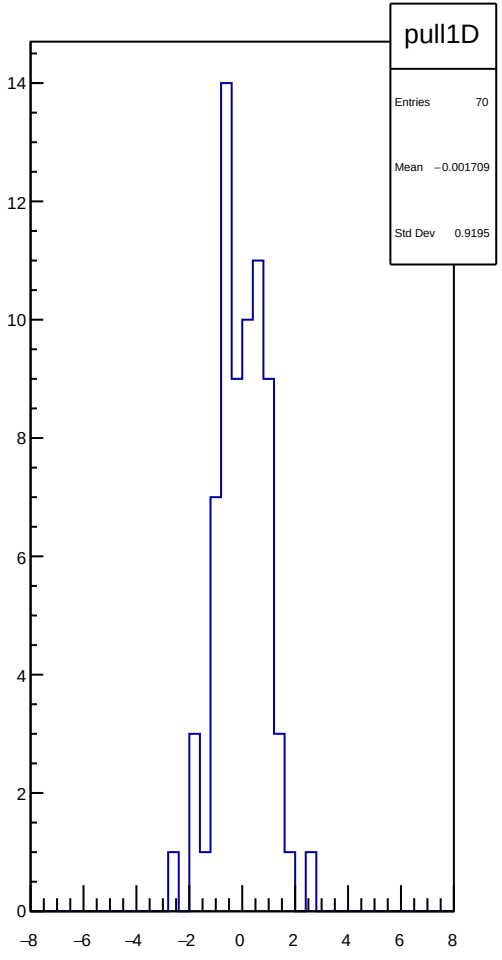

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2.743e+04 / 69
p0 5445 ± 4.792
11000
10000
9000
8000
7000
6000
5000
4000

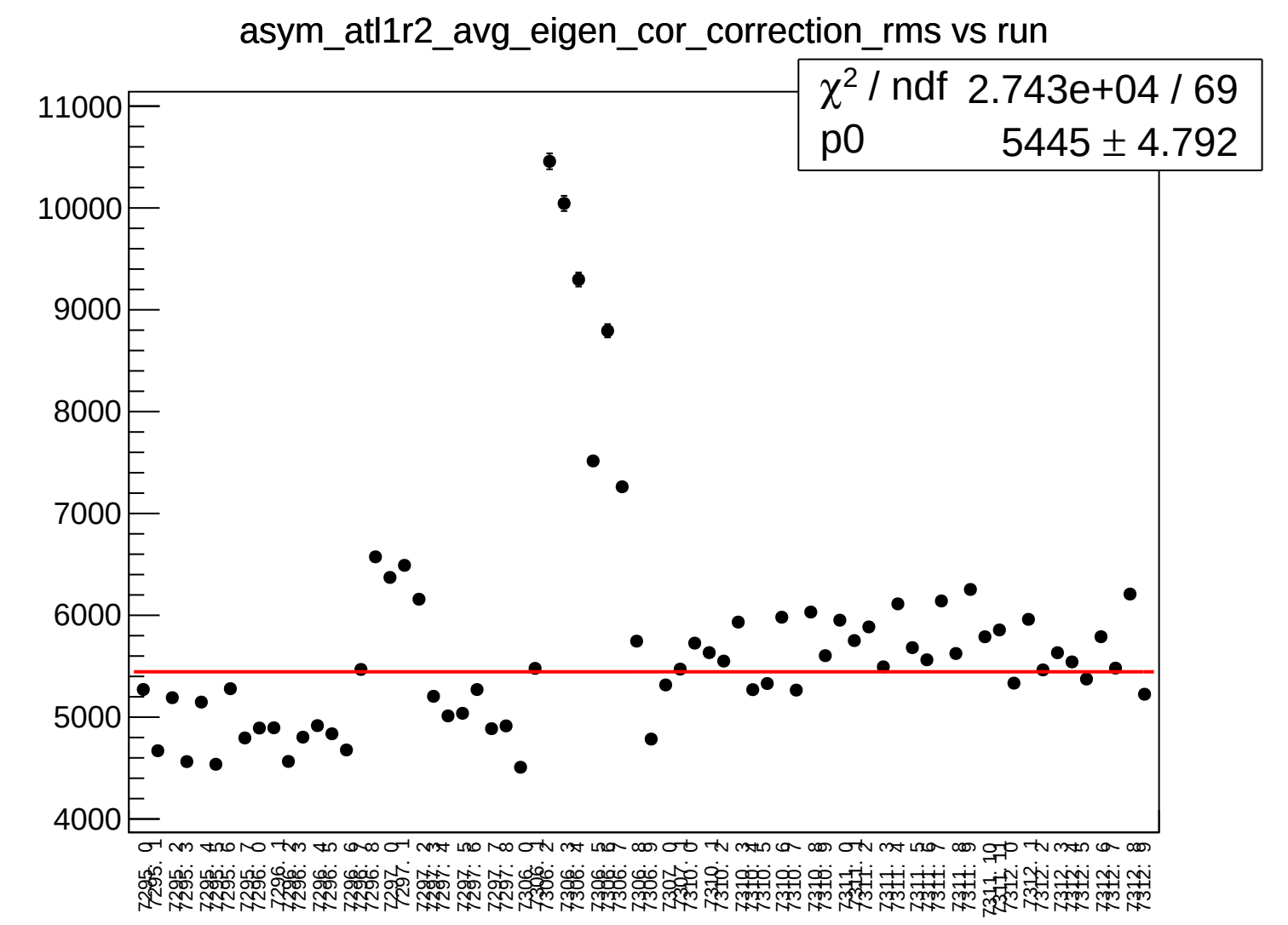

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 73.92 / 69
p0 −1874 ± 2075
pull
Entries 70
Mean 7218
Std Dev 0

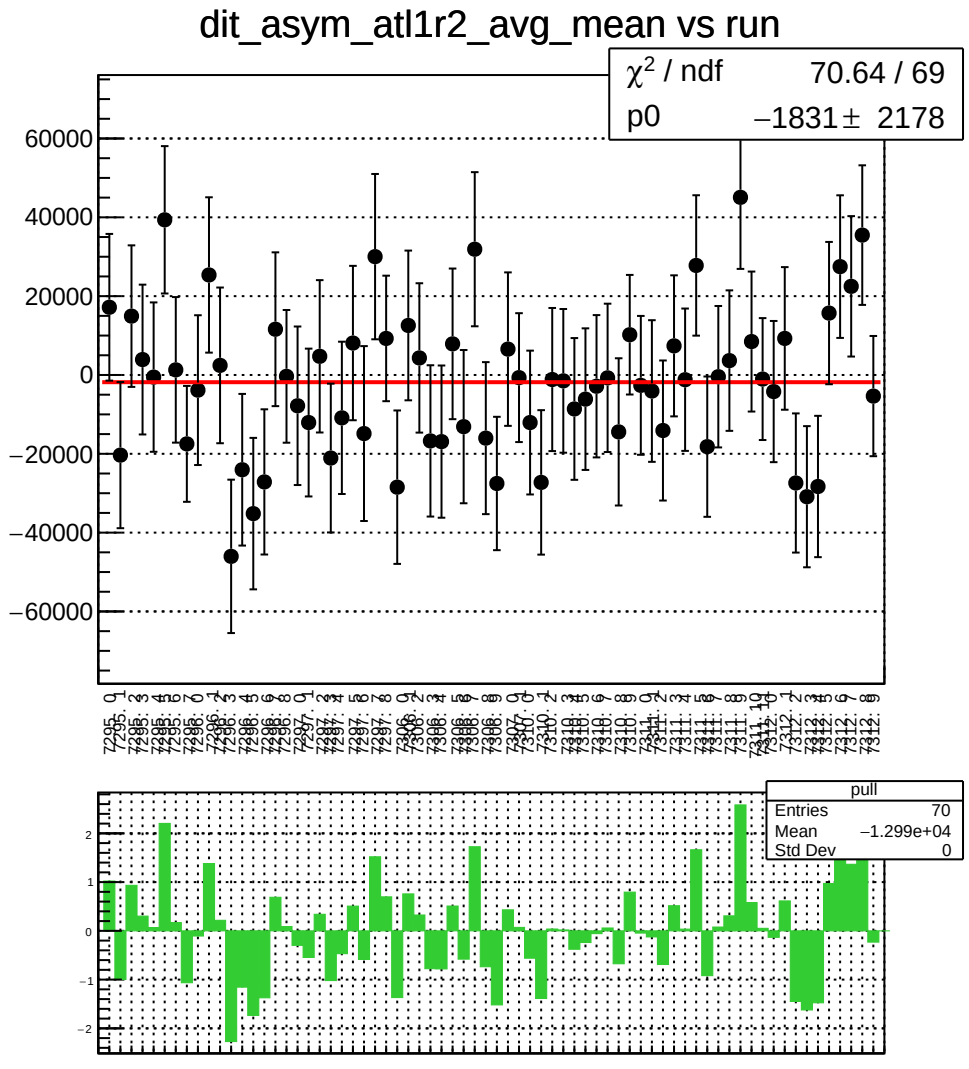

pull1D
Entries 70
Mean 0.0003492
Std Dev 1.028

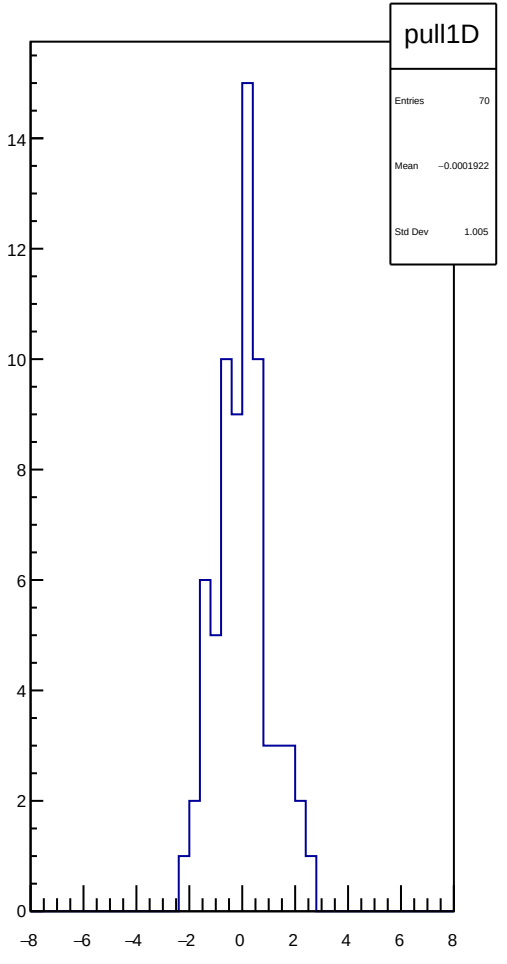

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 182.2 / 69
p0 1685 ± 1.468
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600

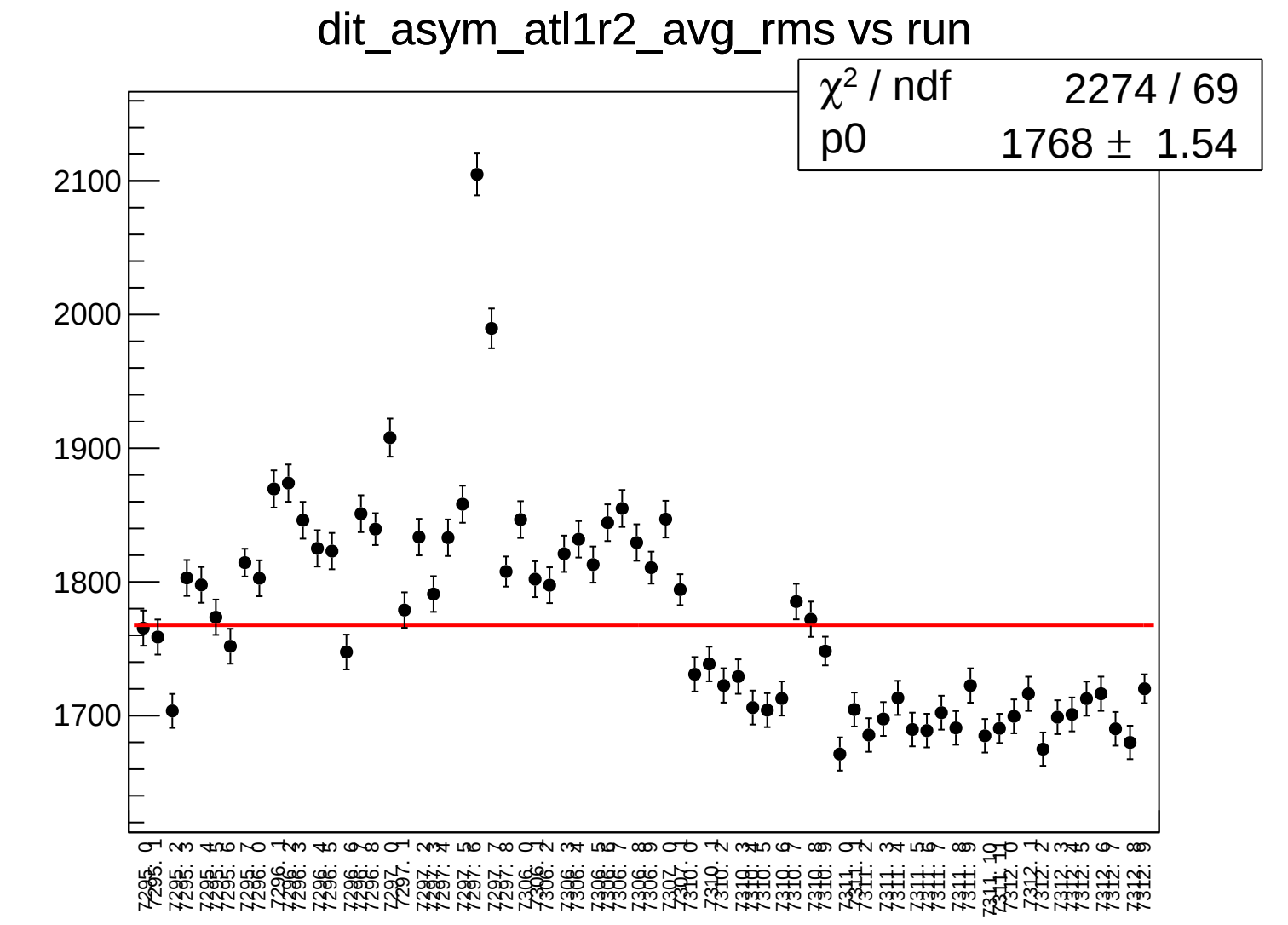

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.19 / 69
p0 −605.1± 6776
pull
Entries 70
Mean 910
Std Dev 0

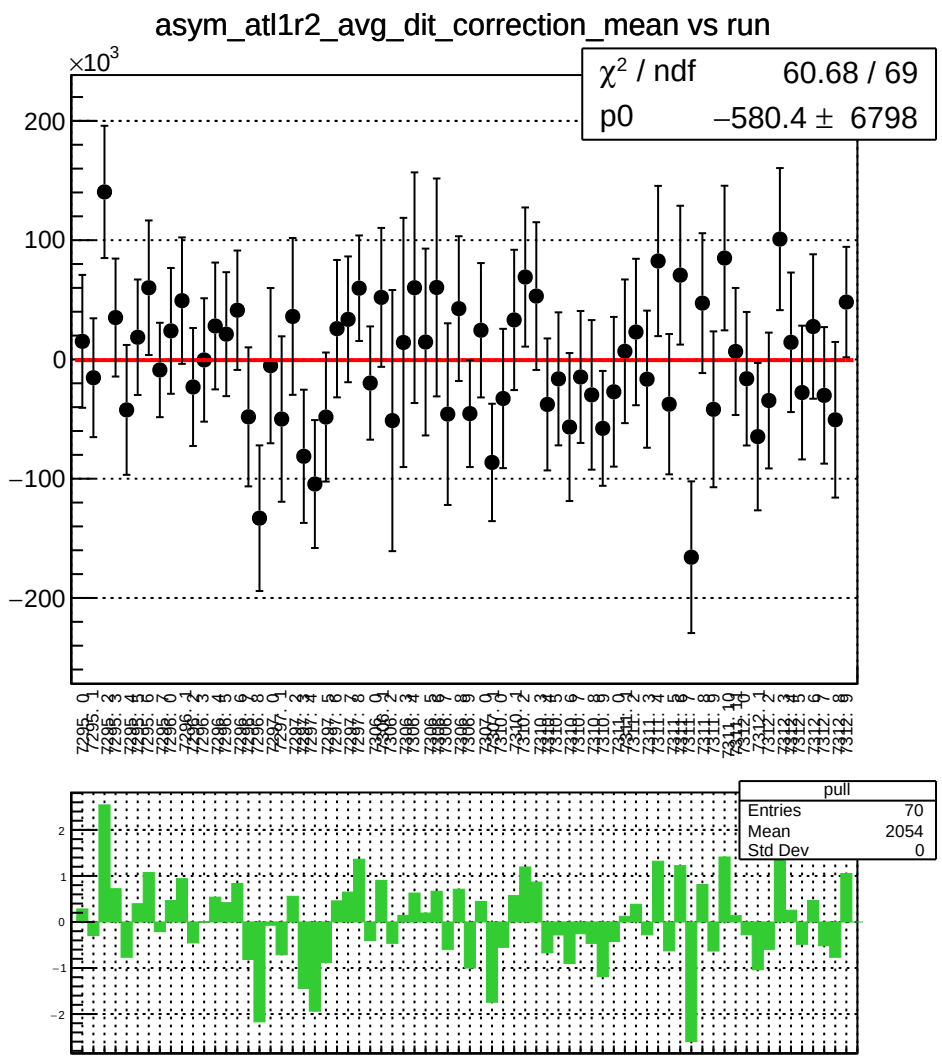

pull1D
Entries 70
Mean −0.001709
Std Dev 0.9195

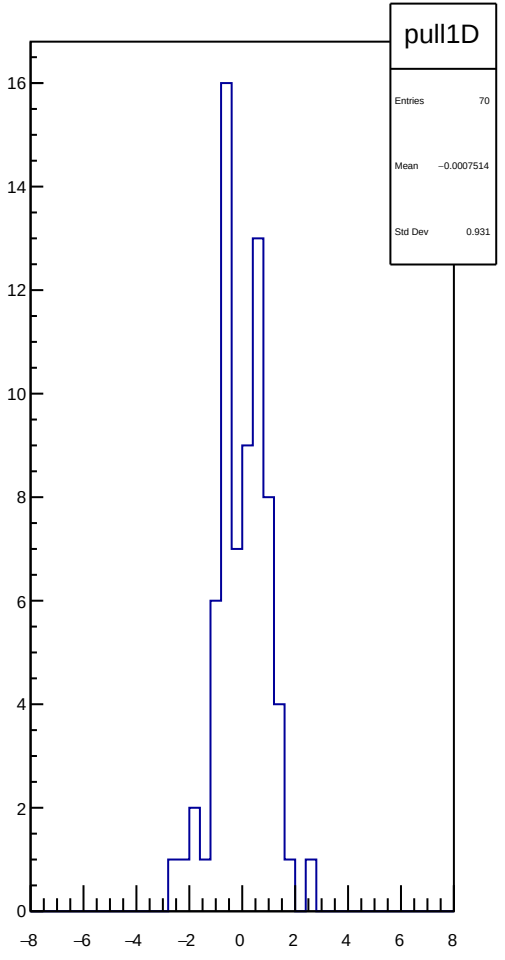

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.743e+04 / 69
p0 5445 ± 4.792
11000
10000
9000
8000
7000
6000
5000
4000

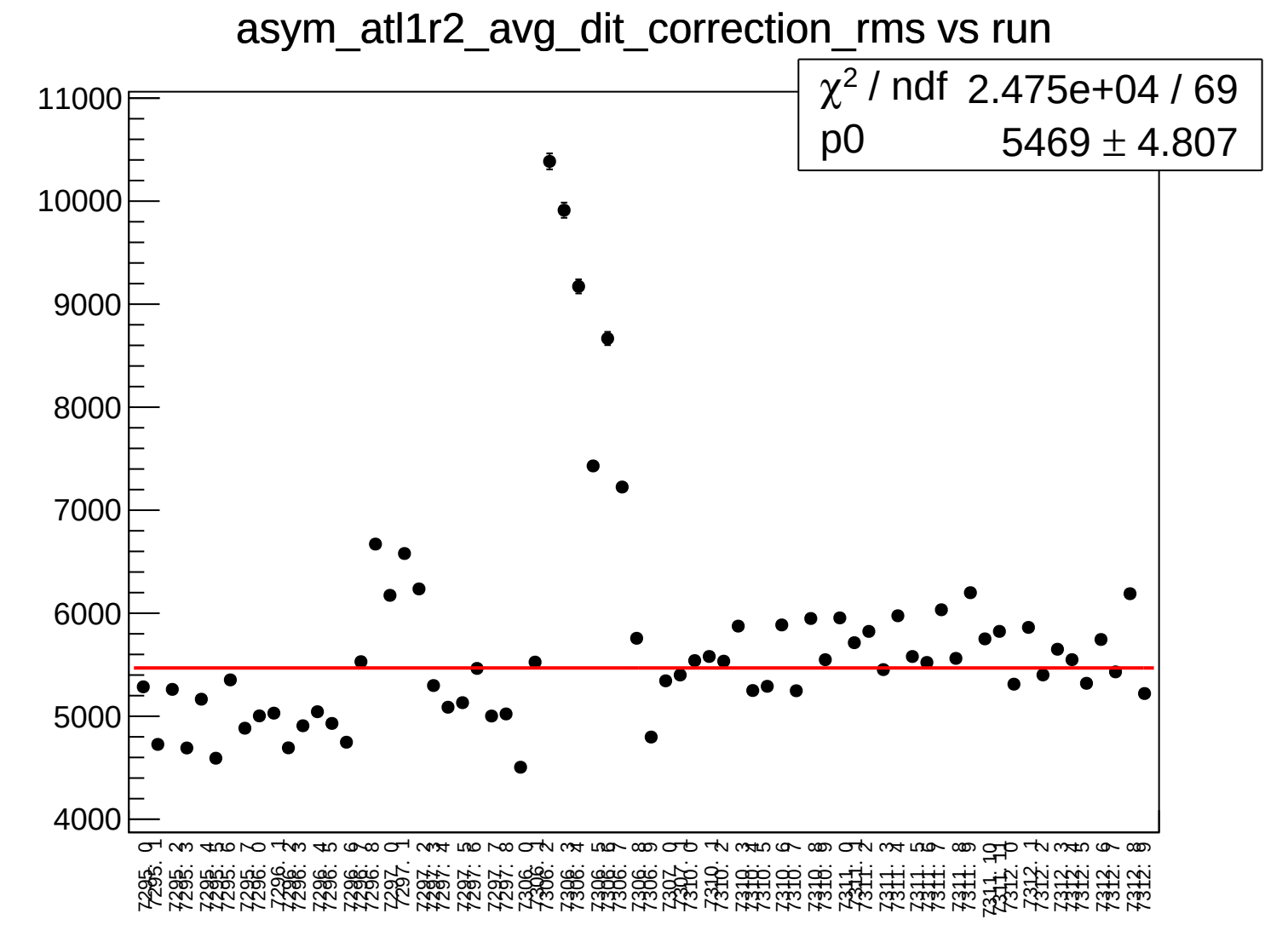

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 70.64 / 69
p0 −1831 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −1.299e+04
Std Dev 0
2
1
0
−1
−2

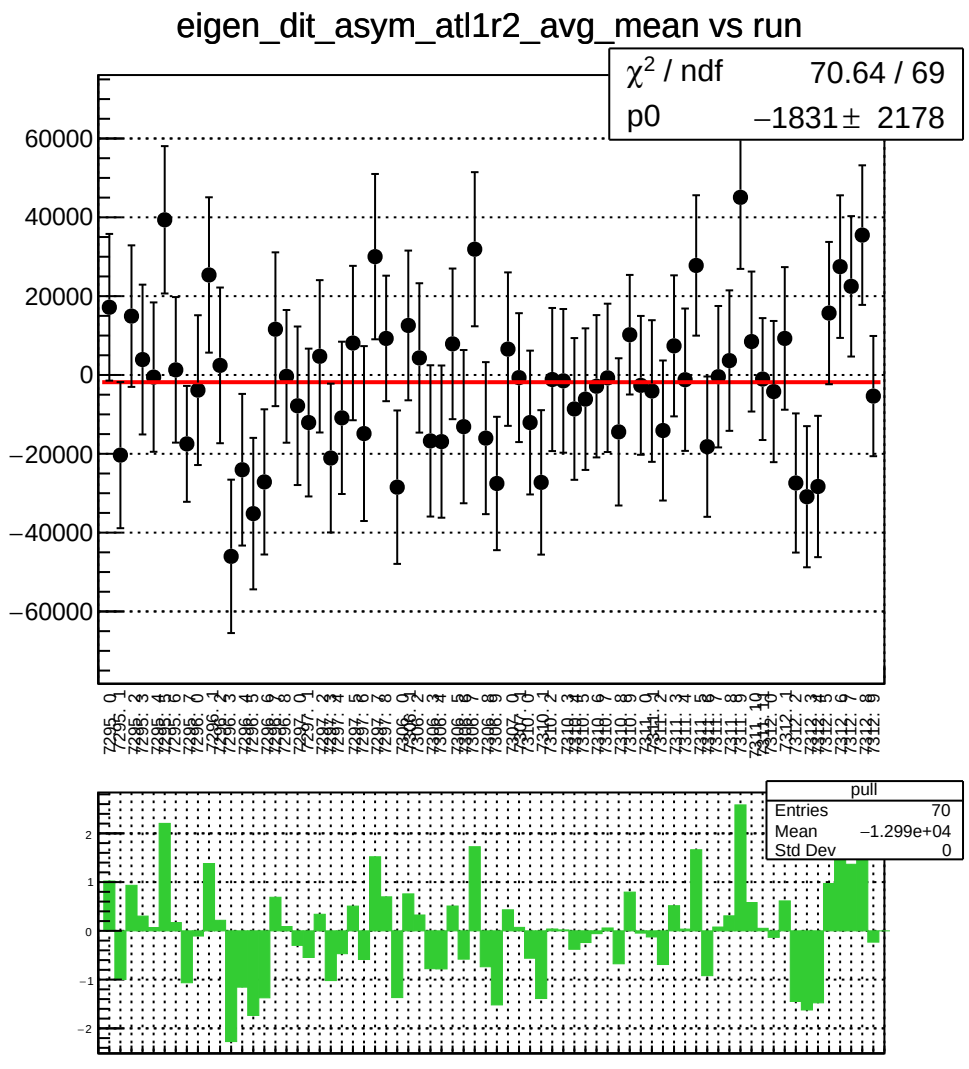

pull1D
Entries 70
Mean −0.0001922
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

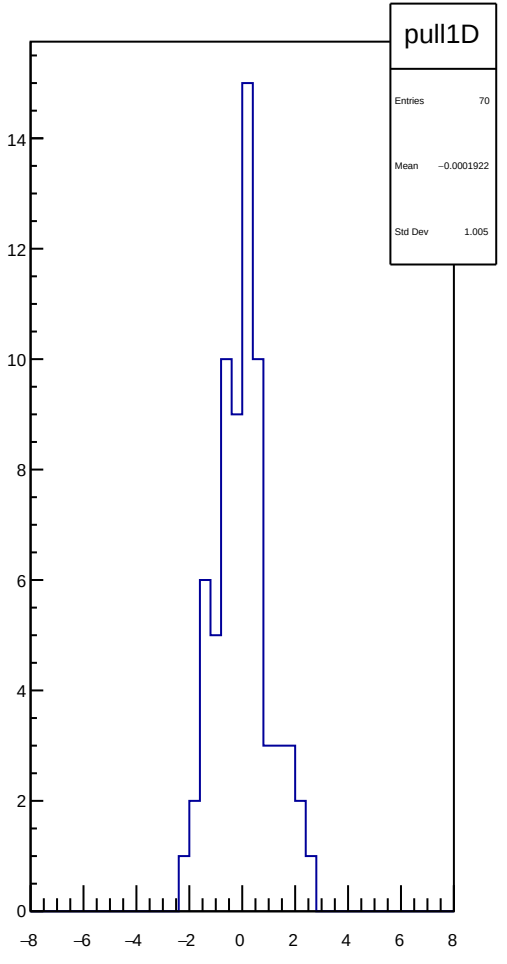

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 2274 / 69
p0 1768 ± 1.54
2100
2000
1900
1800
1700

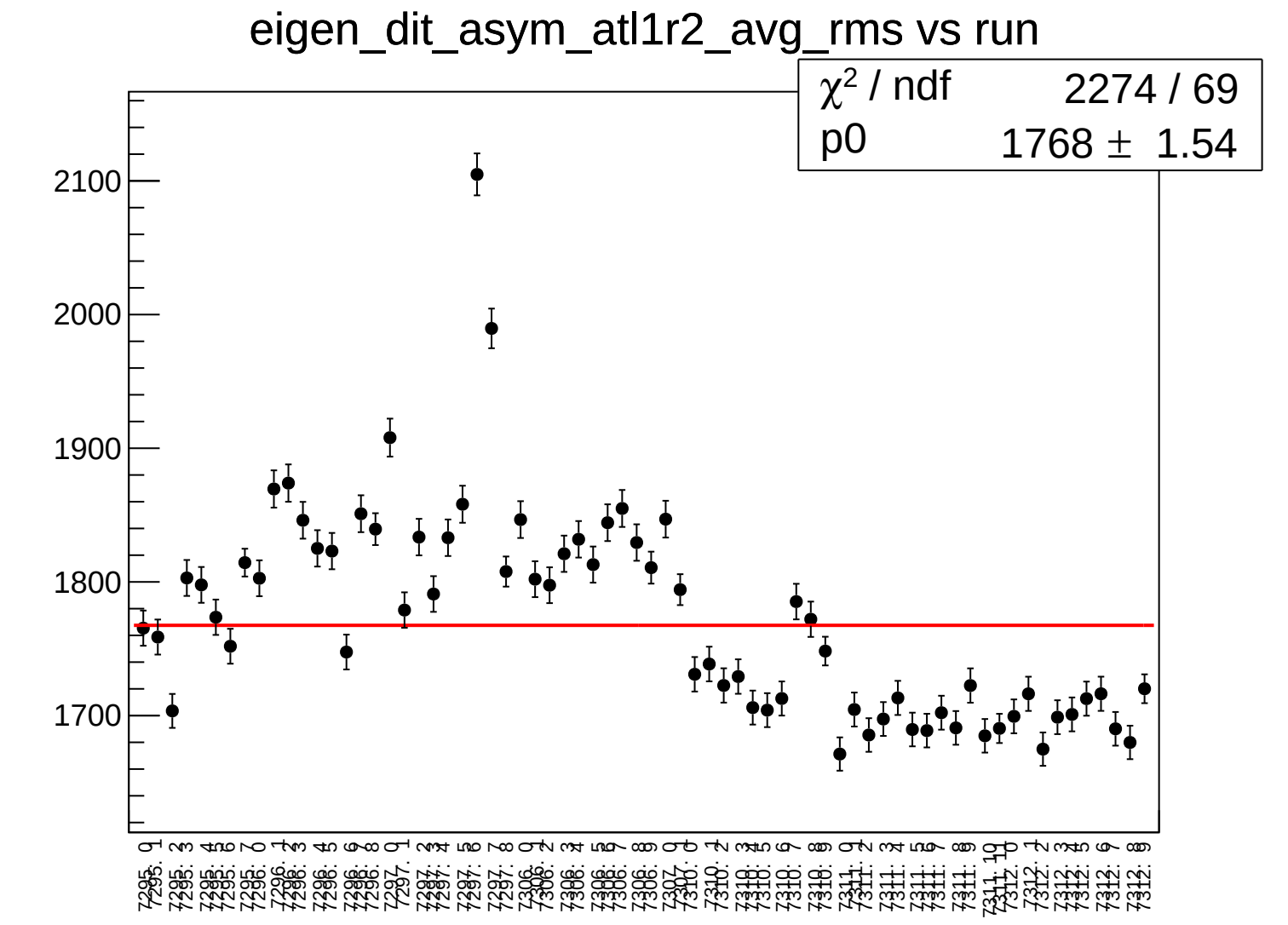

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.68 / 69
p0 −580.4 ± 6798
200
100
0
−100
−200
pull
Entries 70
Mean 2054
Std Dev 0
2
1
0
−1
−2

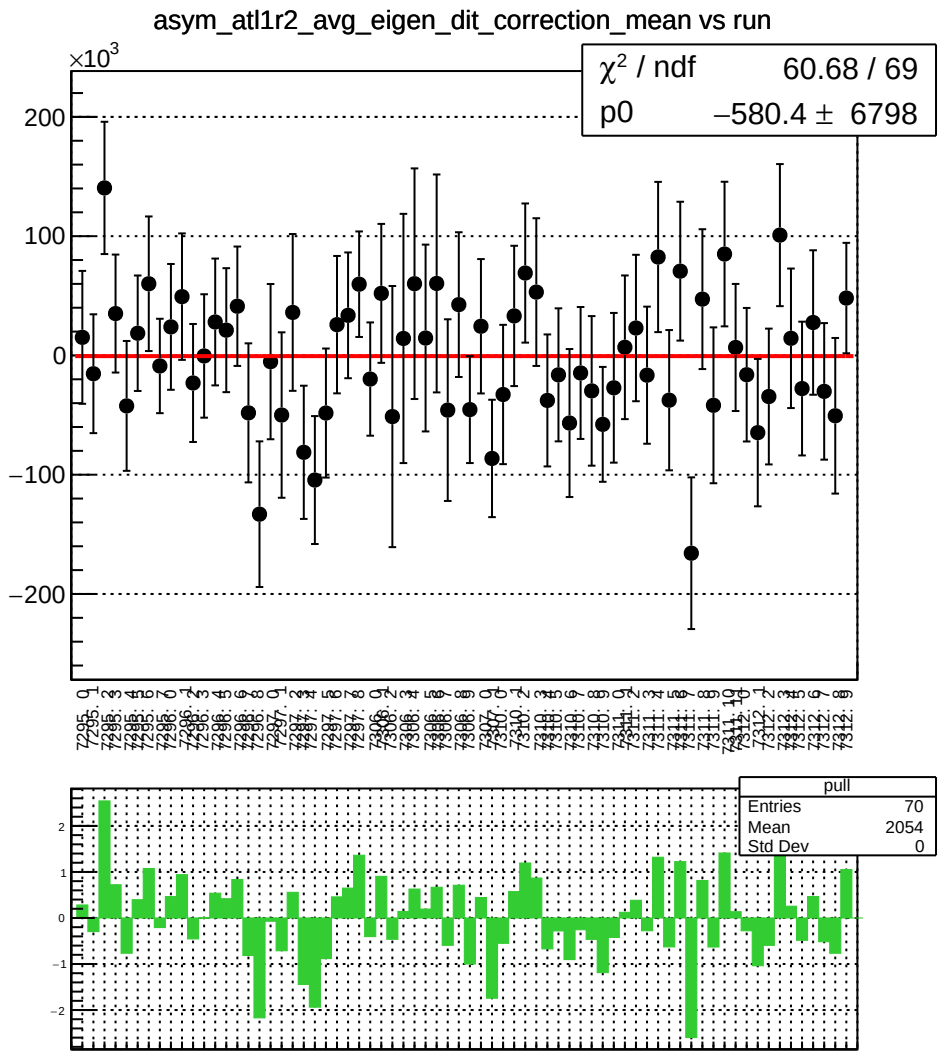

pull1D
Entries 70
Mean −0.0007514
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

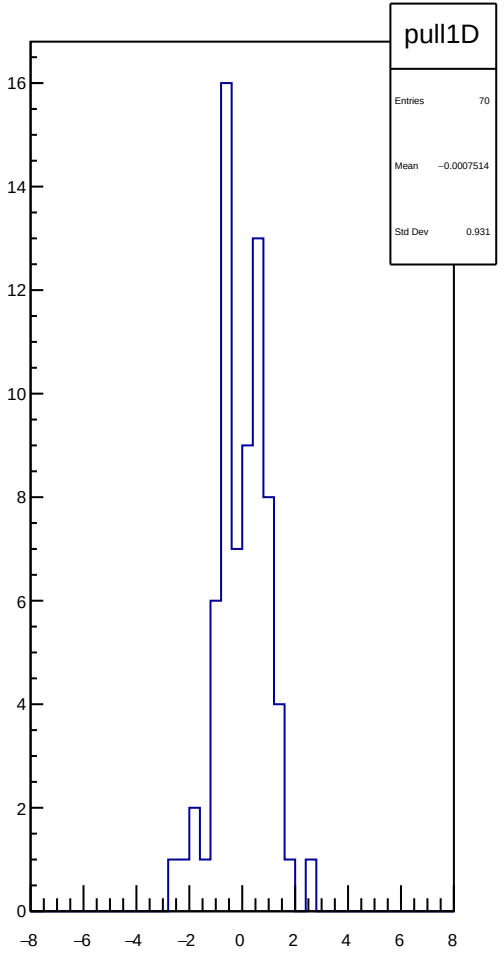

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2.475e+04 / 69
p0 5469 ± 4.807
11000
10000
9000
8000
7000
6000
5000
4000

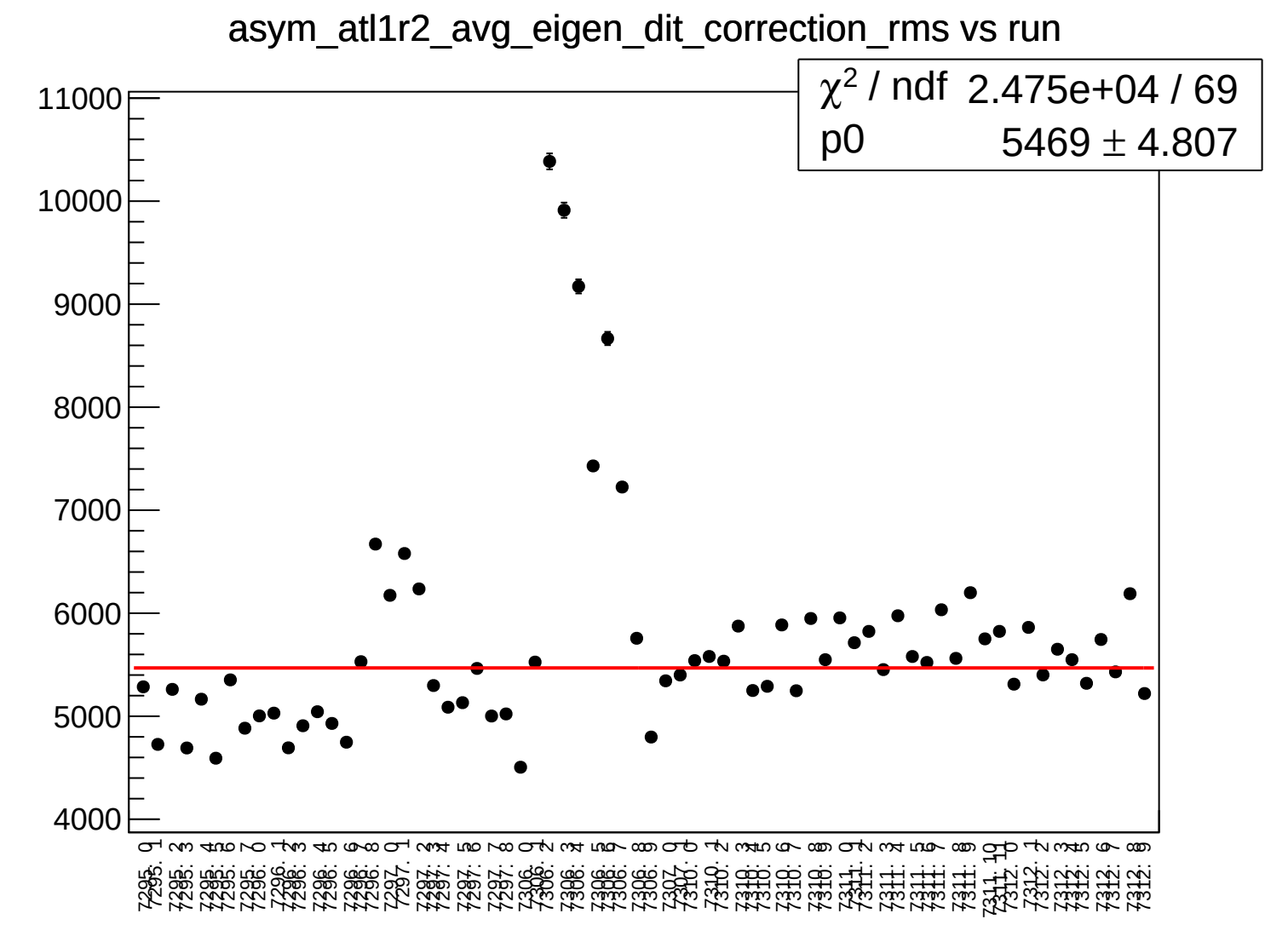

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 70.64 / 69
p0 −1831 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −1.299e+04
Std Dev 0
2
1
0
−1
−2

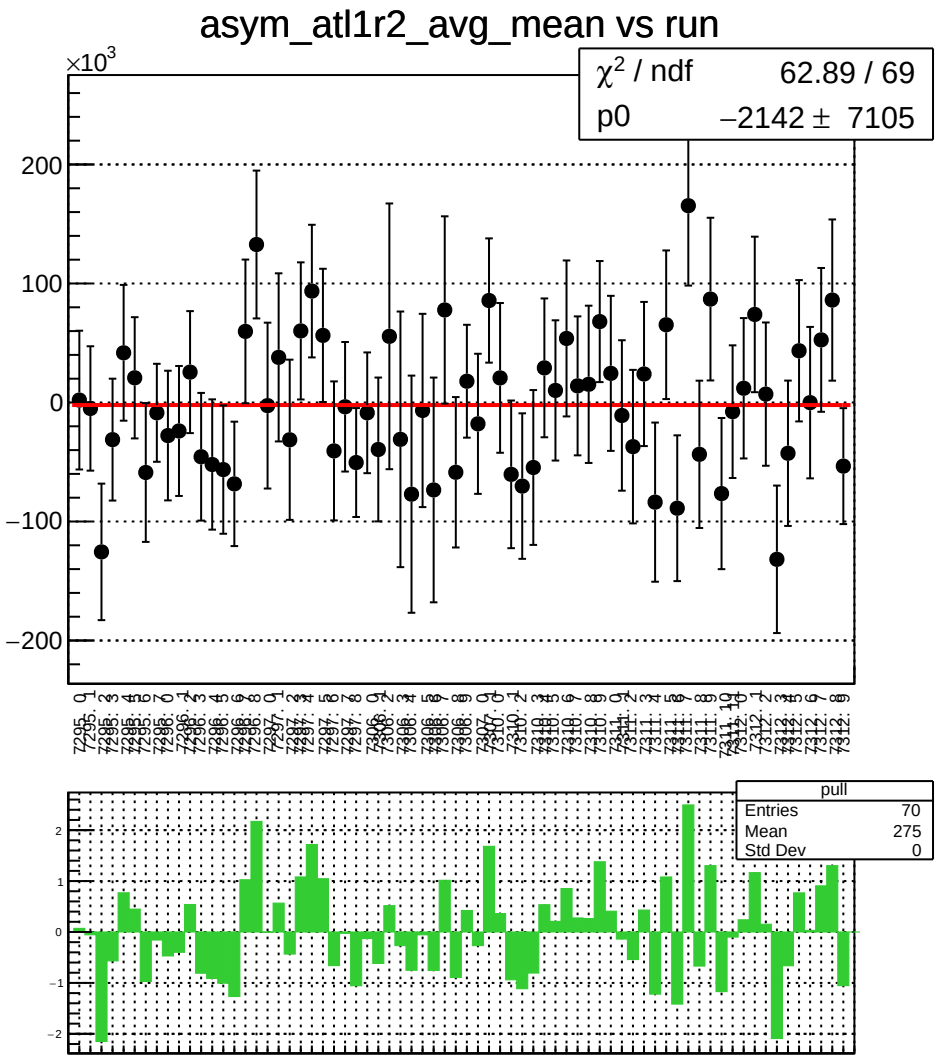

pull1D
Entries 70
Mean −0.0001922
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

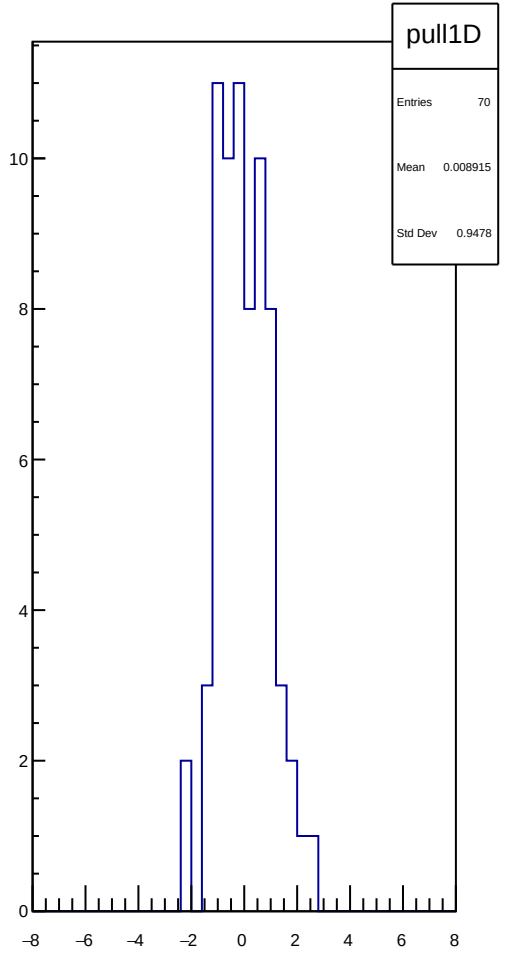

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 2274 / 69
p0 1768 ± 1.54
2100
2000
1900
1800
1700

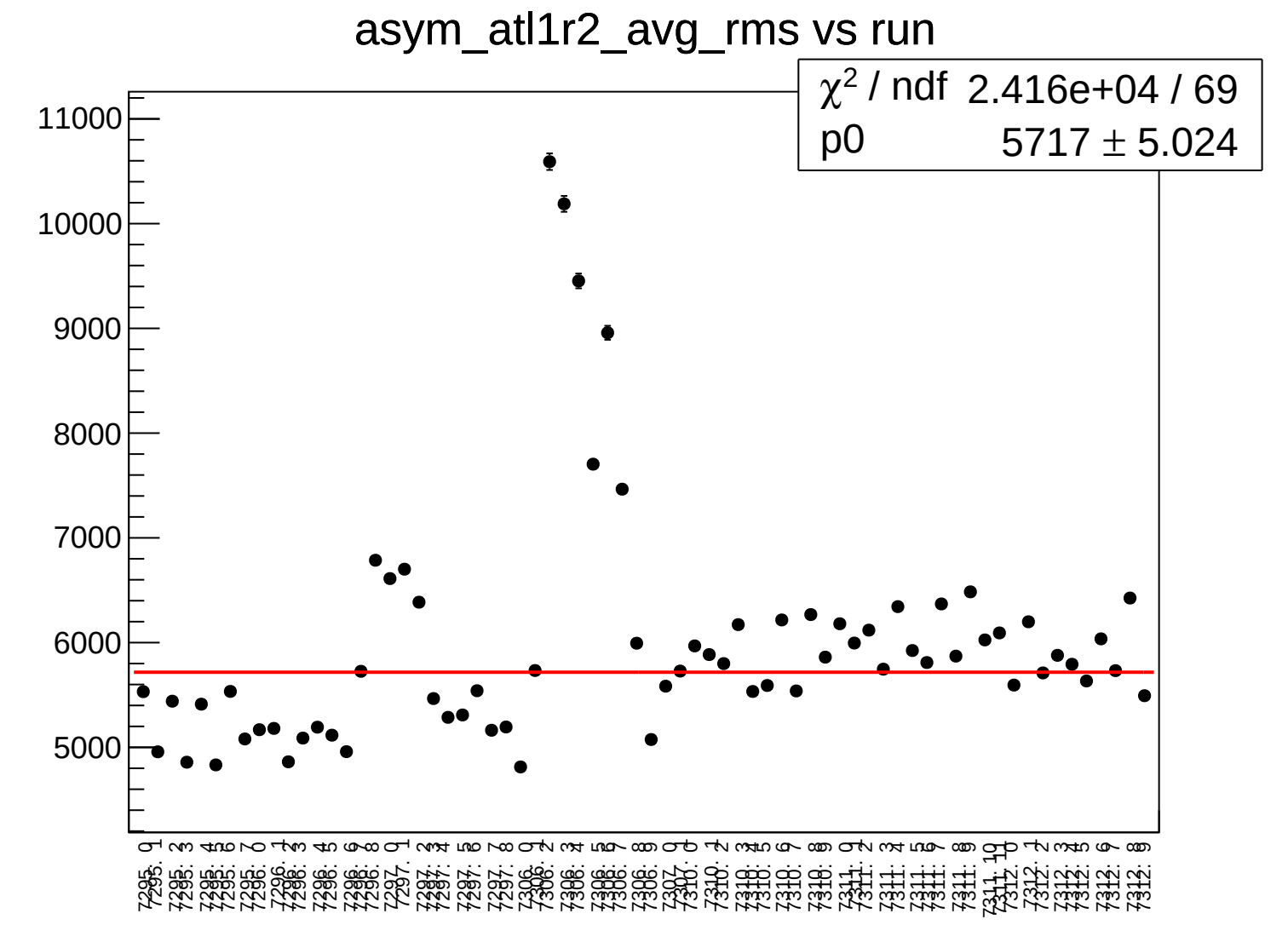

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.68 / 69
p0 −580.4 ± 6798
200
100
0
−100
−200
pull
Entries 70
Mean 2054
Std Dev 0
2
1
0
−1
−2

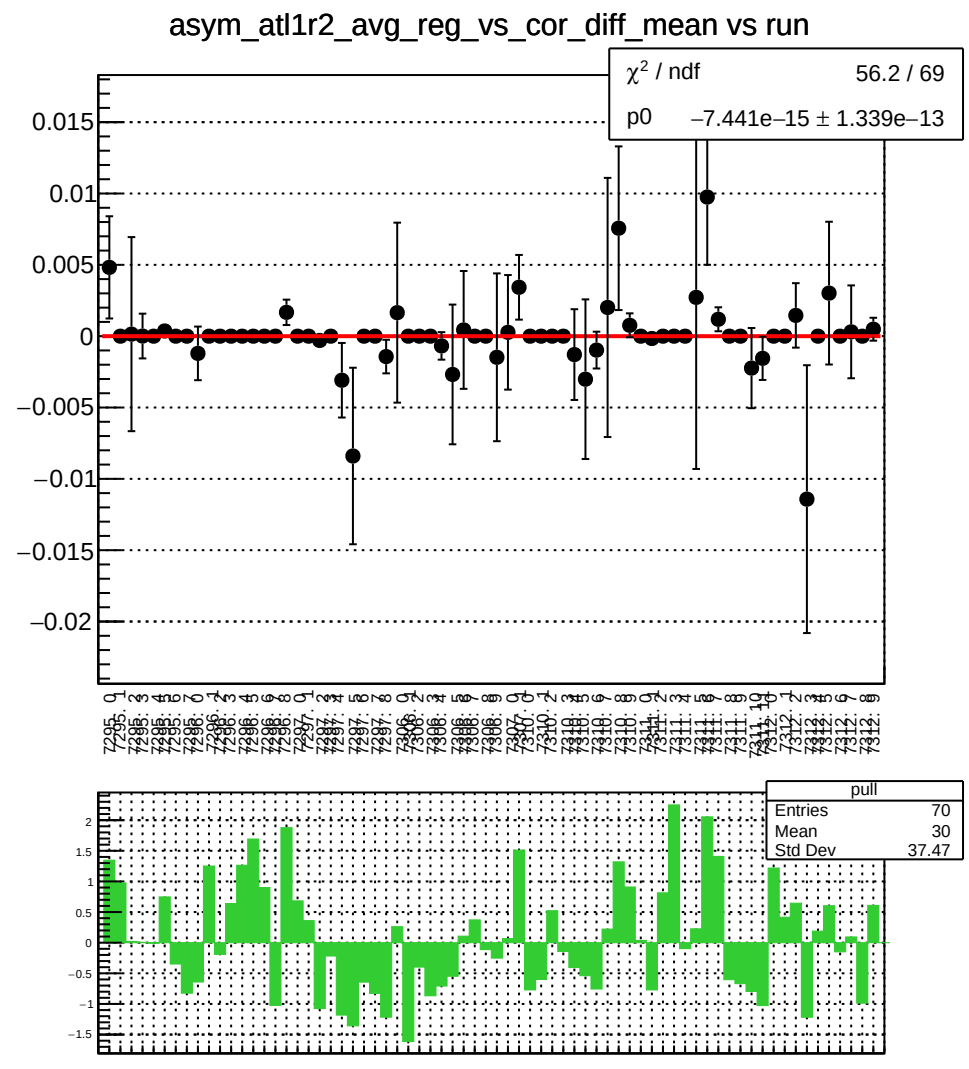

pull1D
Entries 70
Mean −0.0007514
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

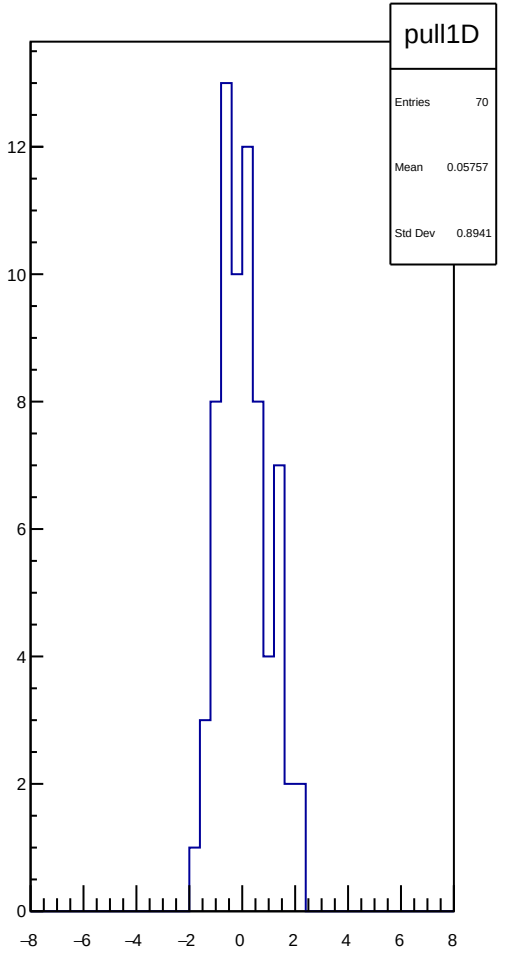

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.475e+04 / 69
p0 5469 ± 4.807
11000
10000
9000
8000
7000
6000
5000
4000

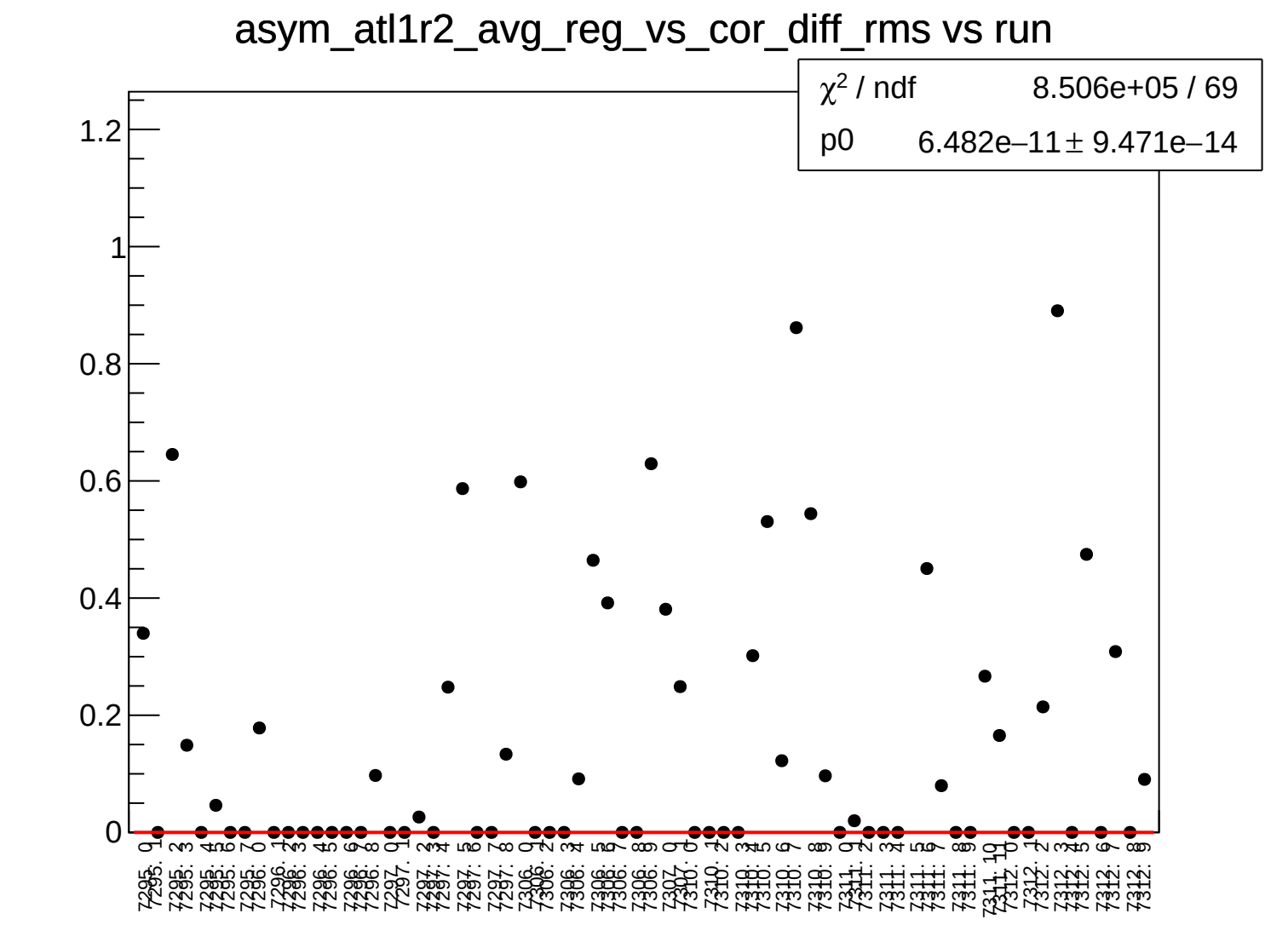

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 62.89 / 69
p0 −2142 ± 7105
200
100
0
−100
−200
pull
Entries 70
Mean 275
Std Dev 0
2
1
0
−1
−2

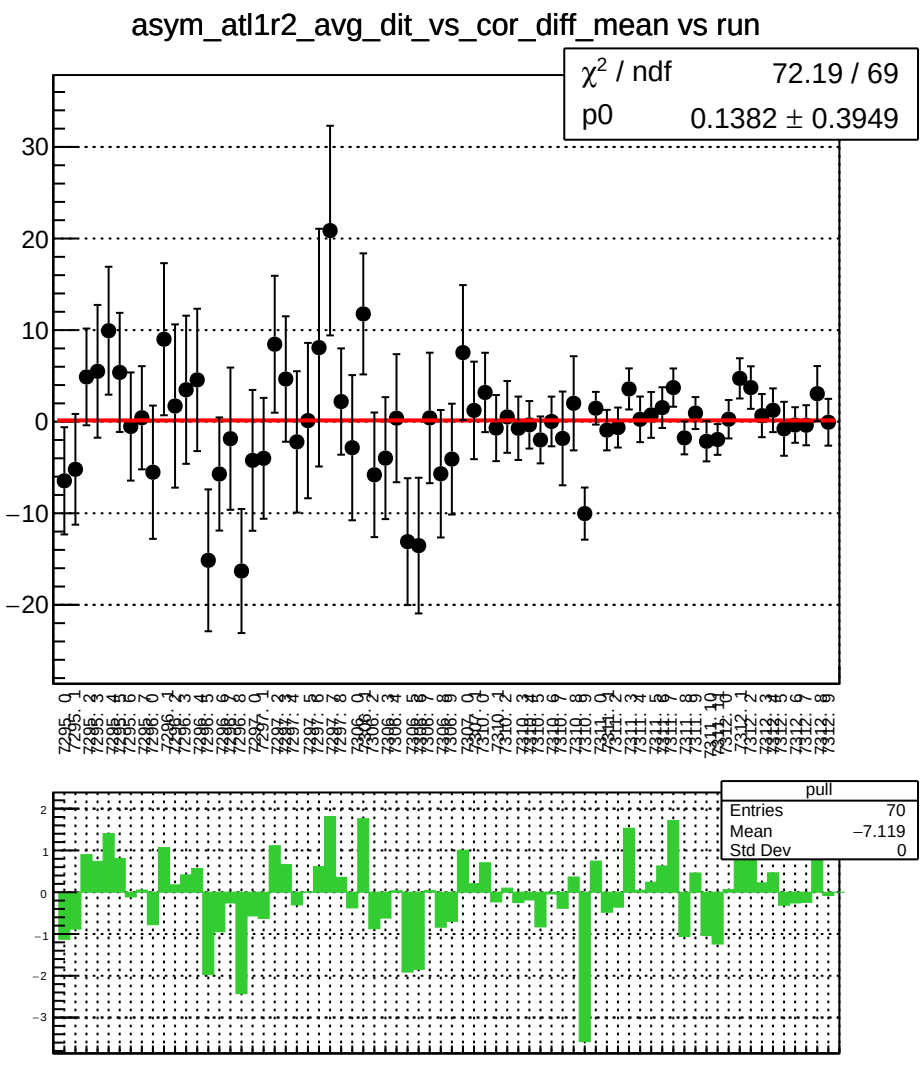

pull1D
Entries 70
Mean 0.008915
Std Dev 0.9478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

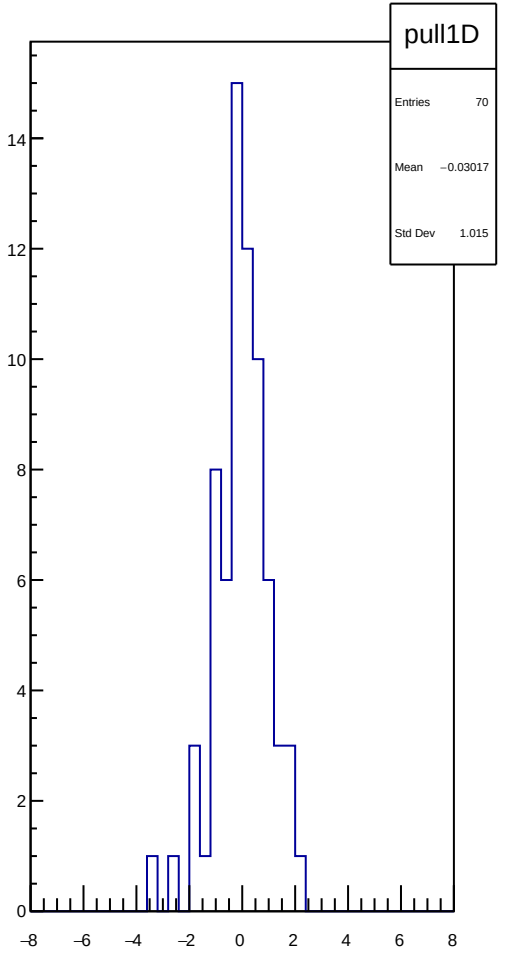

asym_atl1r2_avg_rms vs run
χ^2 / ndf 2.416e+04 / 69
p0 5717 ± 5.024
11000
10000
9000
8000
7000
6000
5000

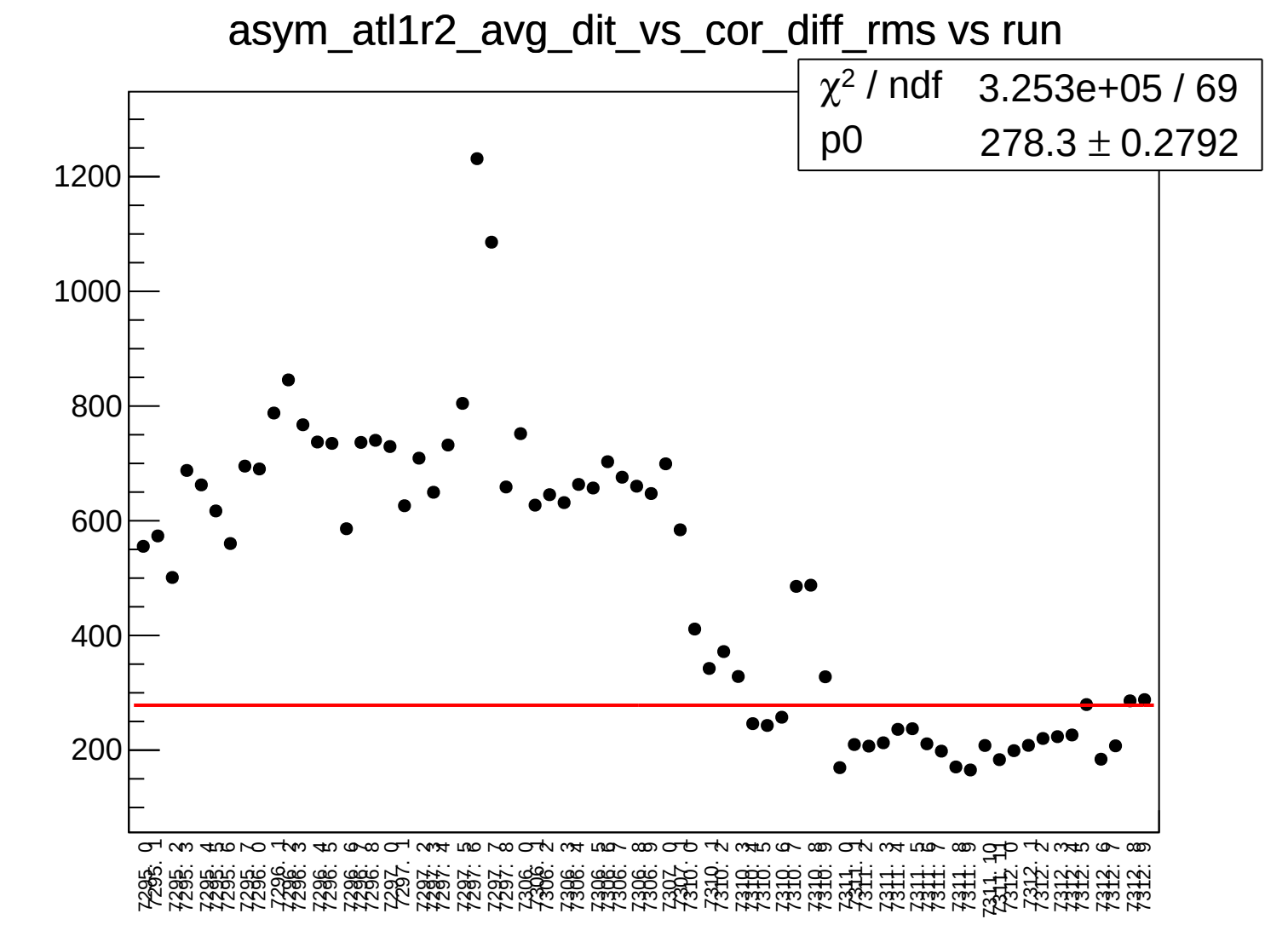

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 69
p0 −7.441e−15 ± 1.339e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 70
Mean 30
Std Dev 37.47
2
1.5
1
0.5
0
−0.5
−1
−1.5

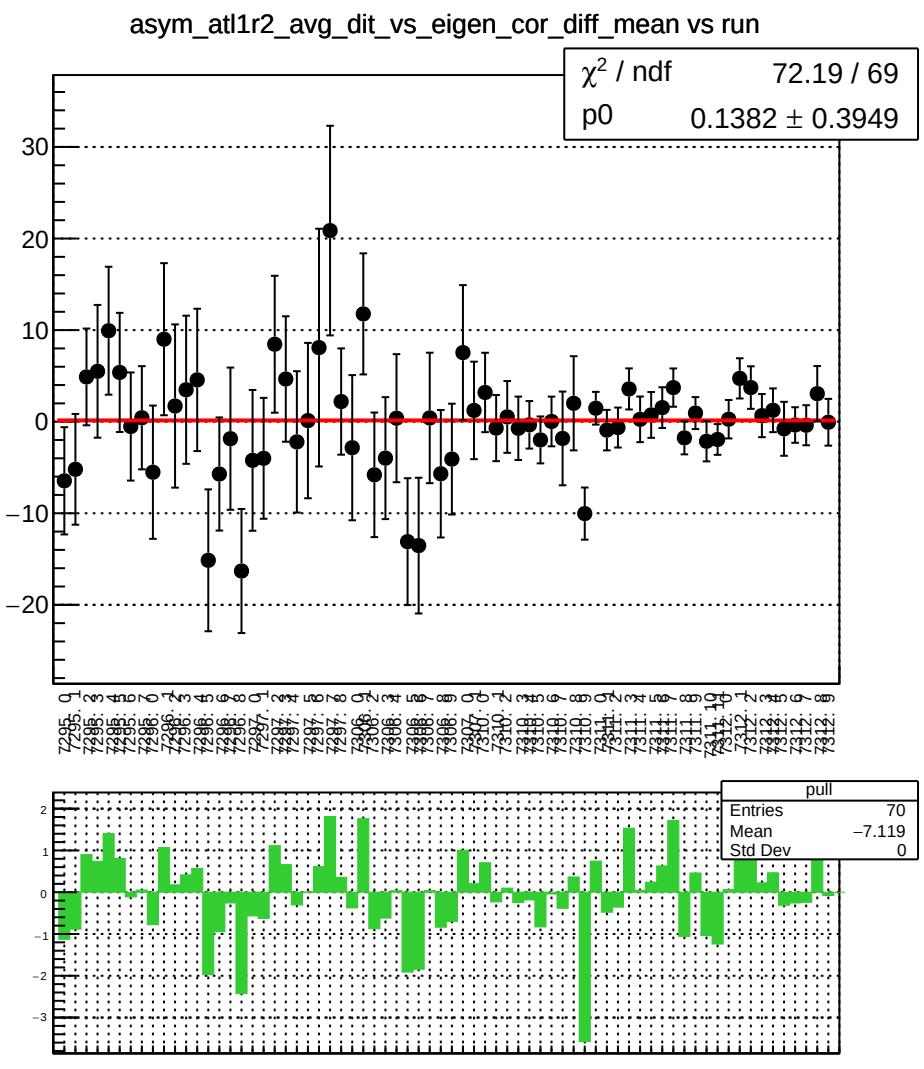

pull1D
Entries 70
Mean 0.05757
Std Dev 0.8941
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

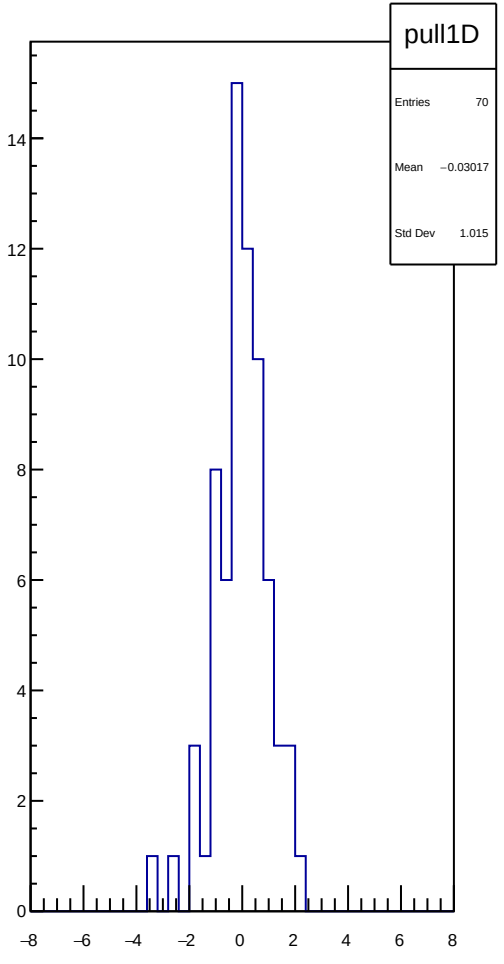

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.506e+05 / 69
p0 6.482e−11 ± 9.471e−14
1.2
1
0.8
0.6
0.4
0.2
0

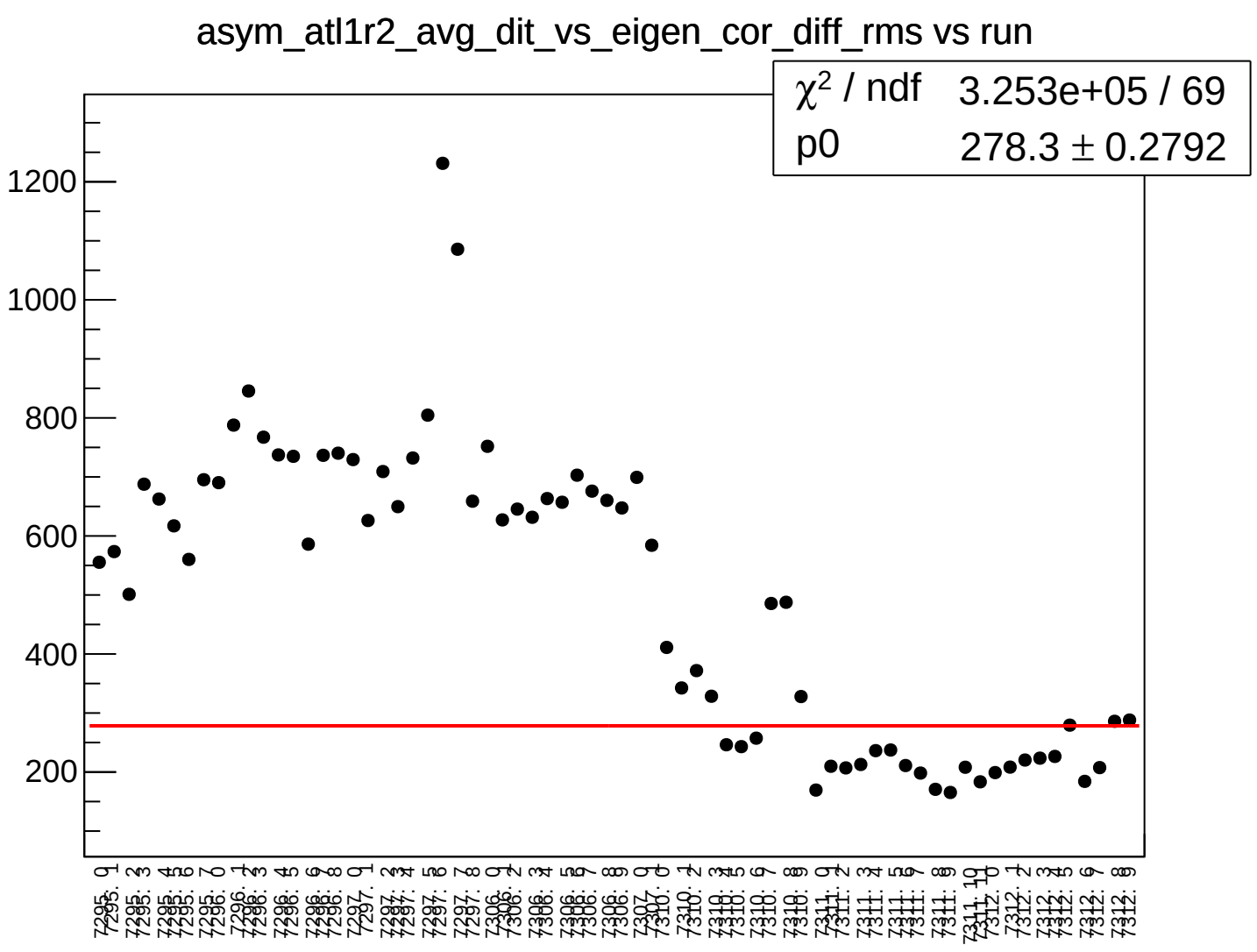

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.19 / 69
p0 0.1382 ± 0.3949
pull
Entries 70
Mean −7.119
Std Dev 0

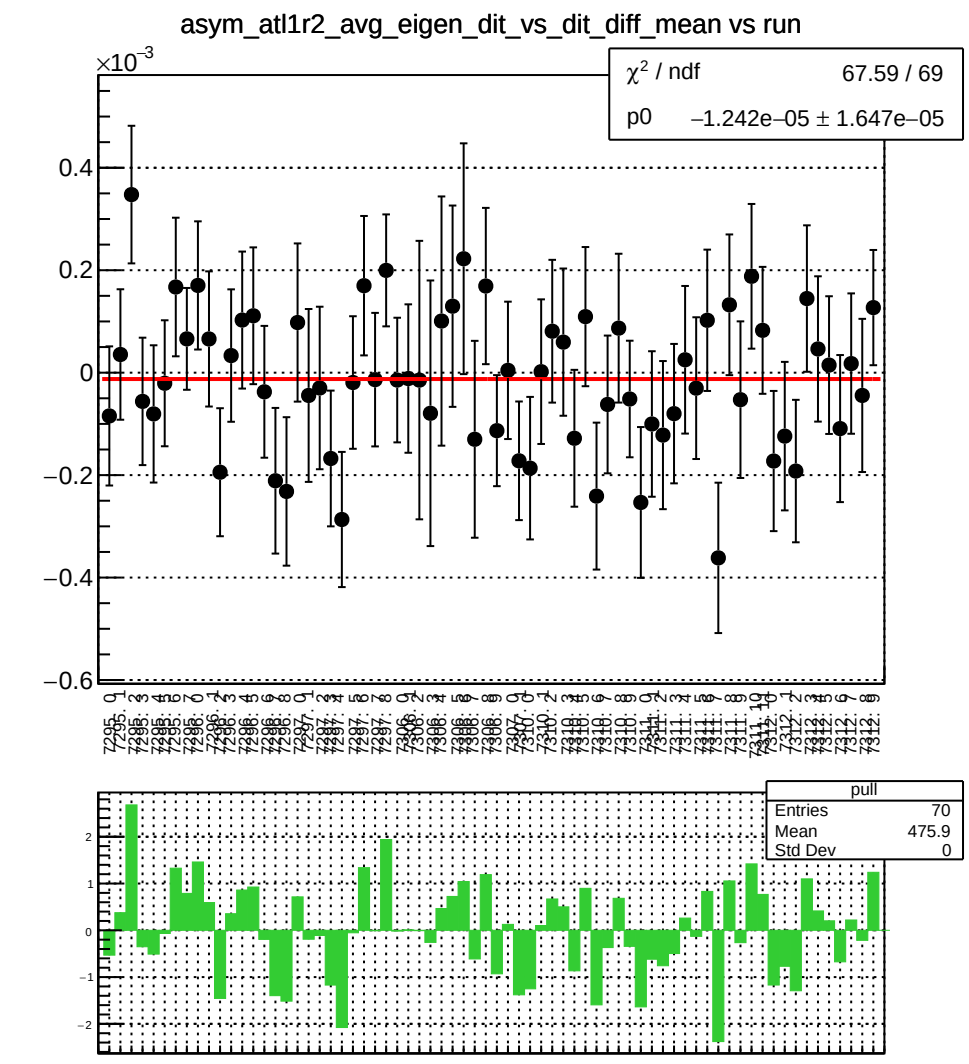

pull1D
Entries 70
Mean −0.03017
Std Dev 1.015

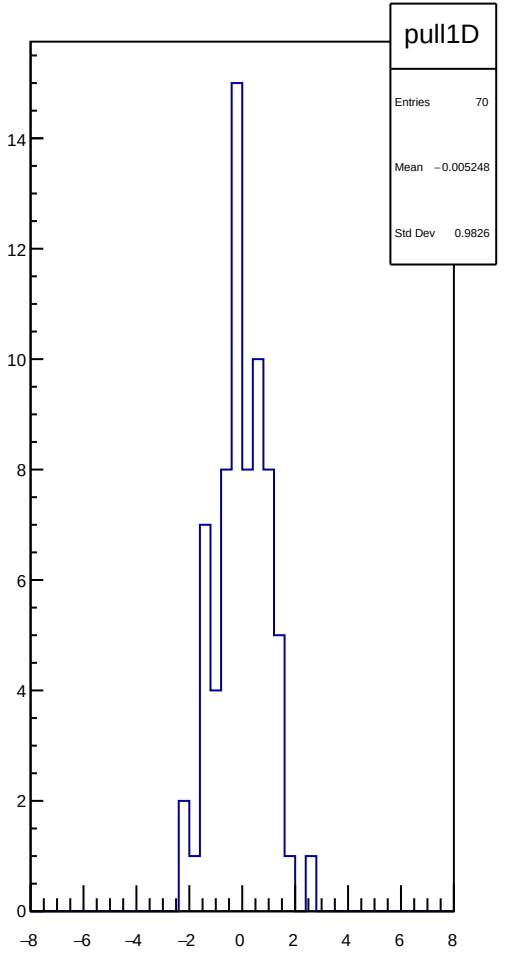

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.253e+05 / 69
p0 278.3 ± 0.2792
1200
1000
800
600
400
200

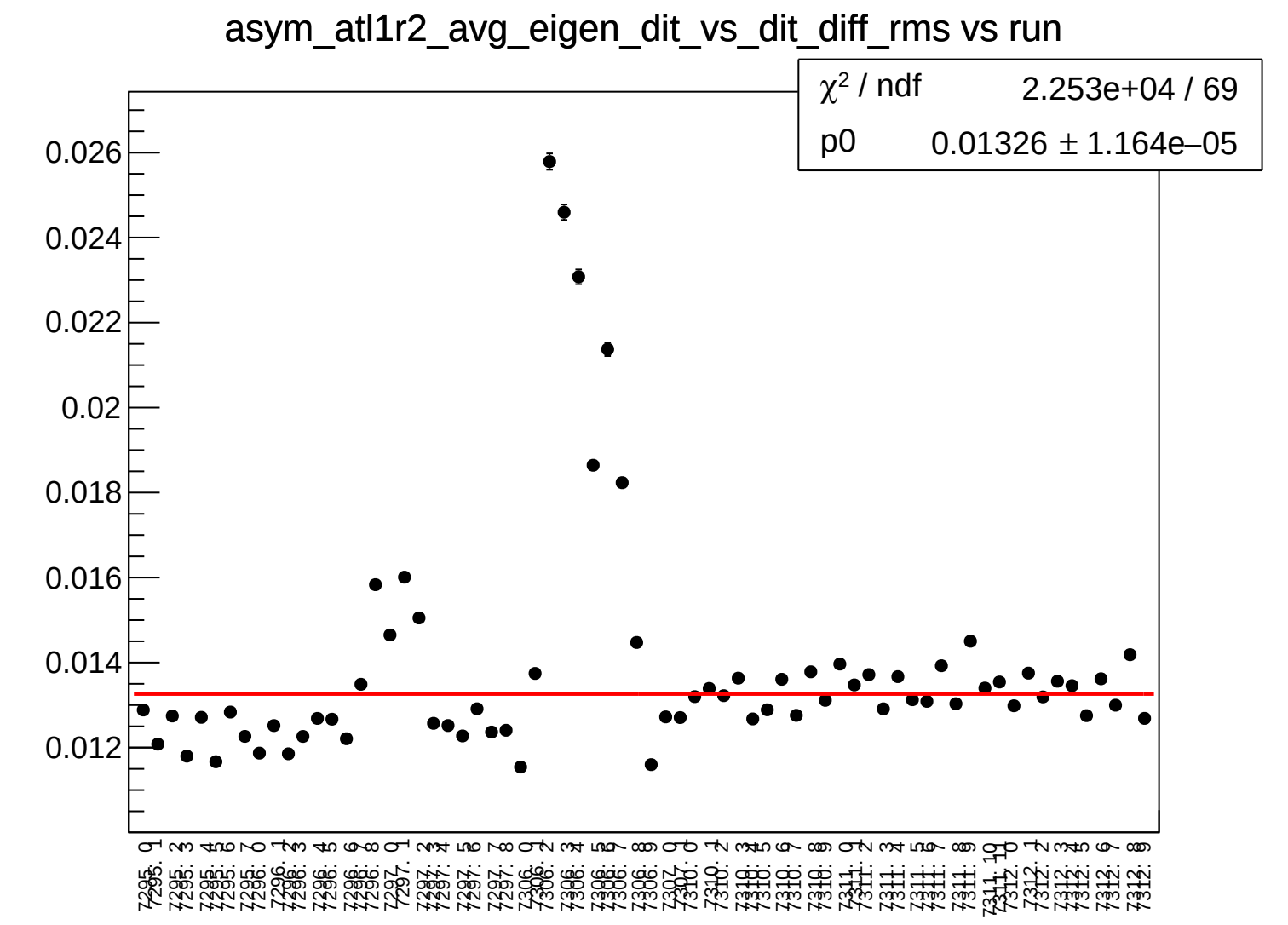

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.19 / 69
p0 0.1382 ± 0.3949
pull
Entries 70
Mean −7.119
Std Dev 0

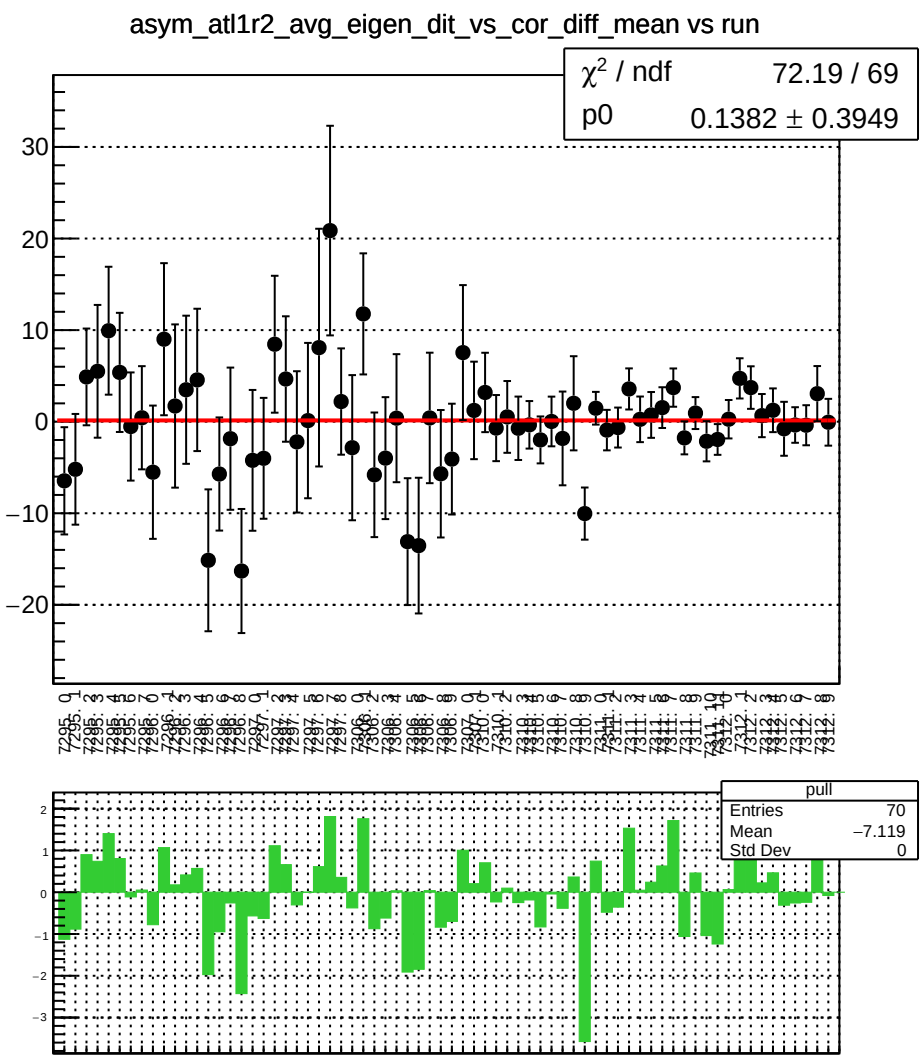

pull1D
Entries 70
Mean −0.03017
Std Dev 1.015

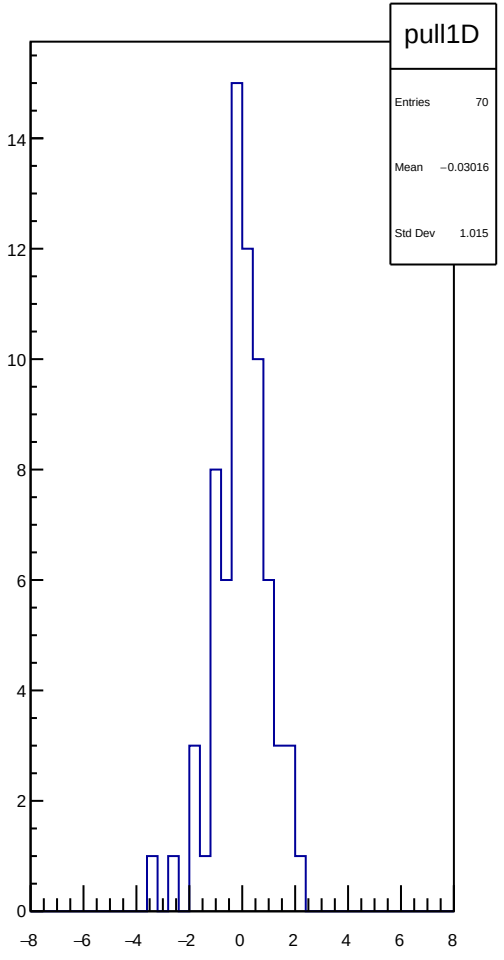

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.253e+05 / 69
p0 278.3 ± 0.2792
1200
1000
800
600
400
200

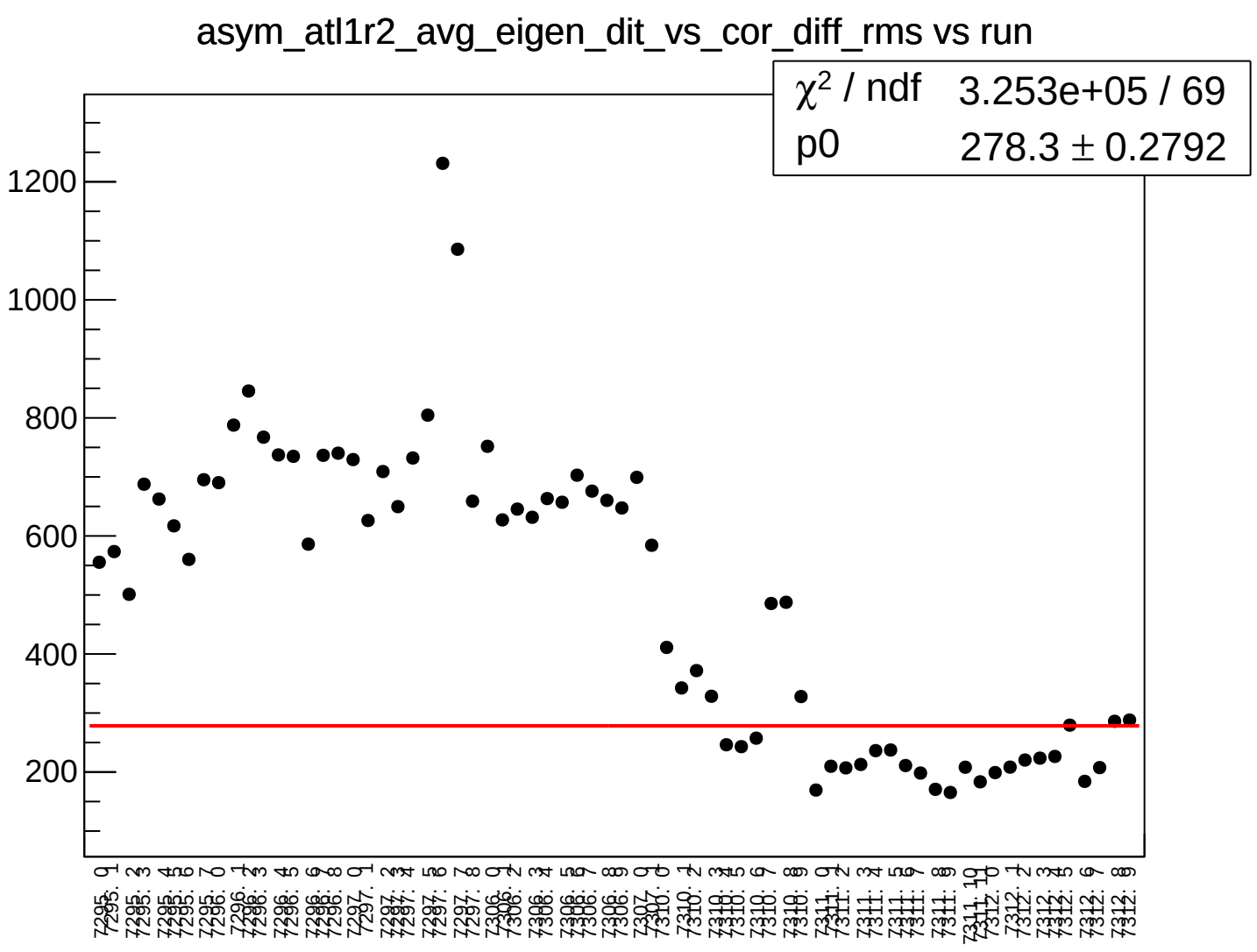

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.59 / 69
p0 −1.242e−05 ± 1.647e−05
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 70
Mean 475.9
Std Dev 0
2
1
0
−1
−2

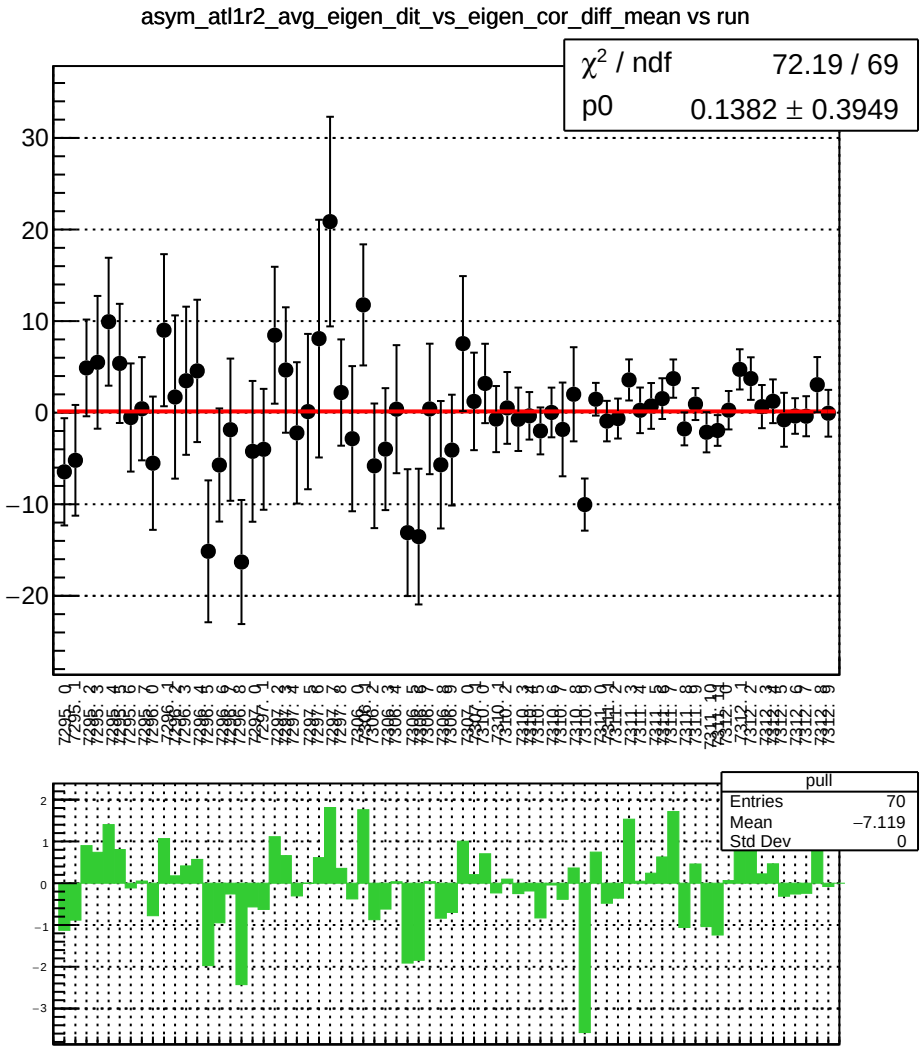

pull1D
Entries 70
Mean −0.005248
Std Dev 0.9826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

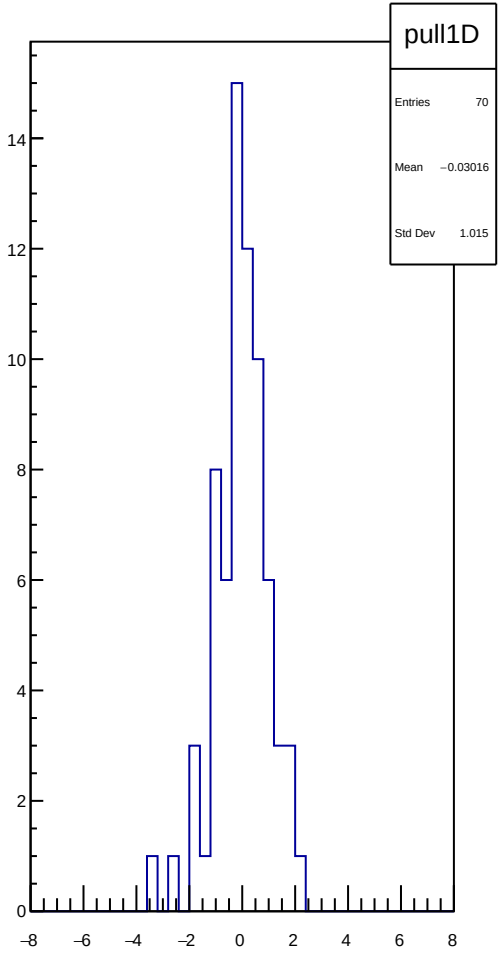

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.253e+04 / 69
p0 0.01326 ± 1.164e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

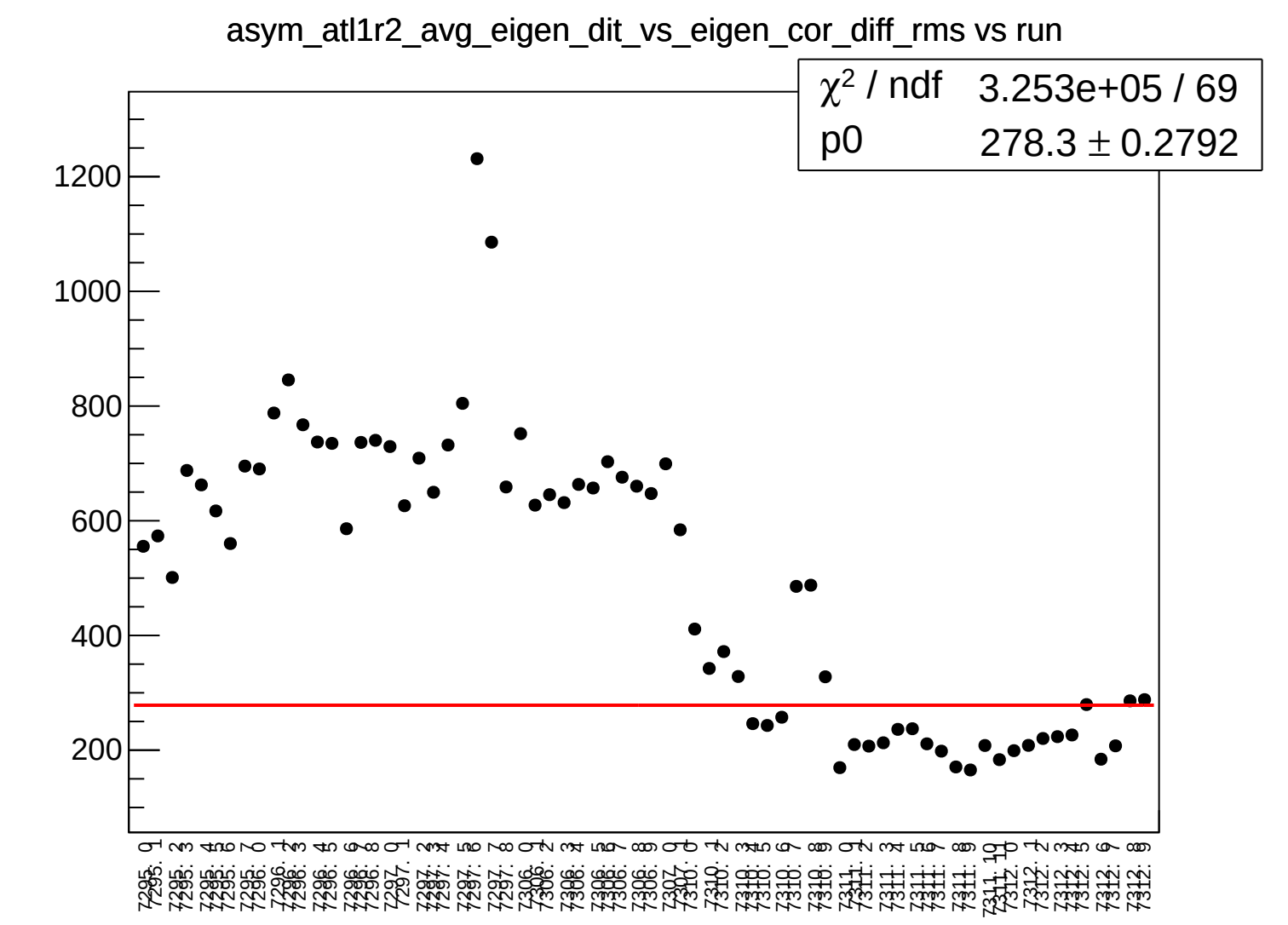

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.19 / 69
p0 0.1382 ± 0.3949
pull
Entries 70
Mean −7.119
Std Dev 0

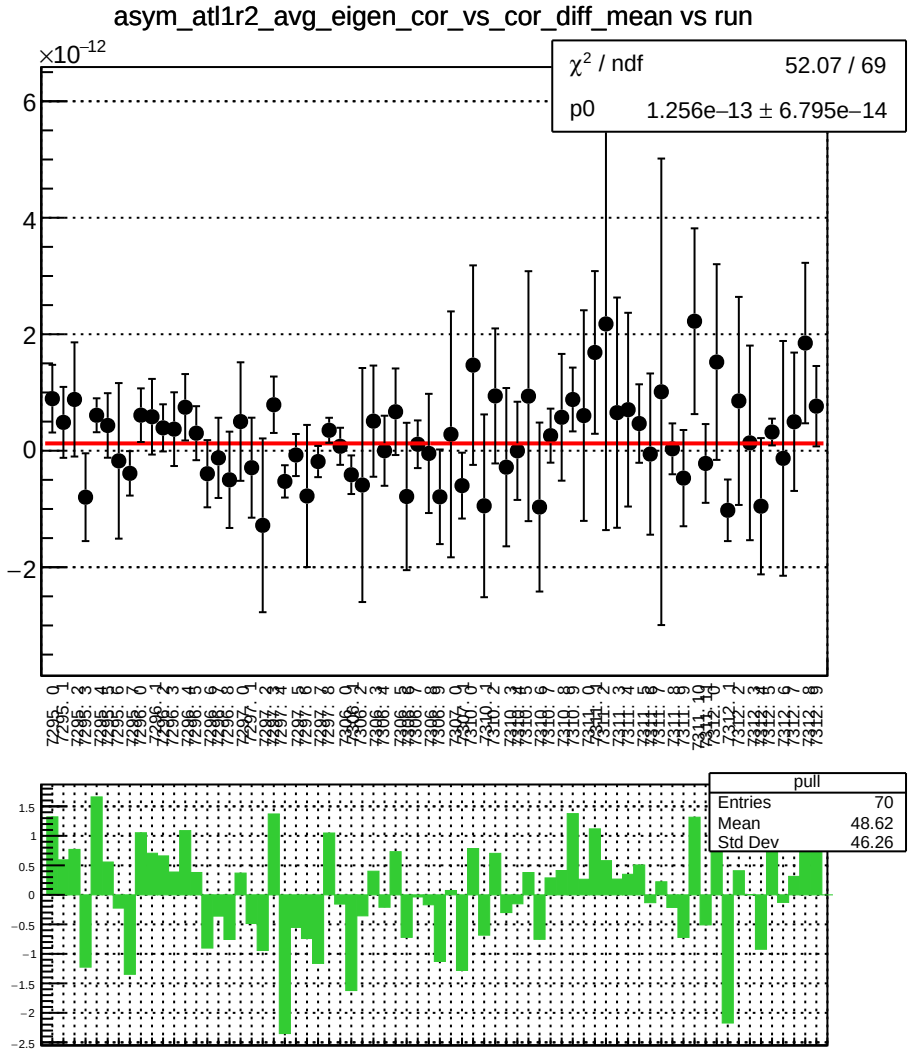

pull1D
Entries 70
Mean −0.03016
Std Dev 1.015

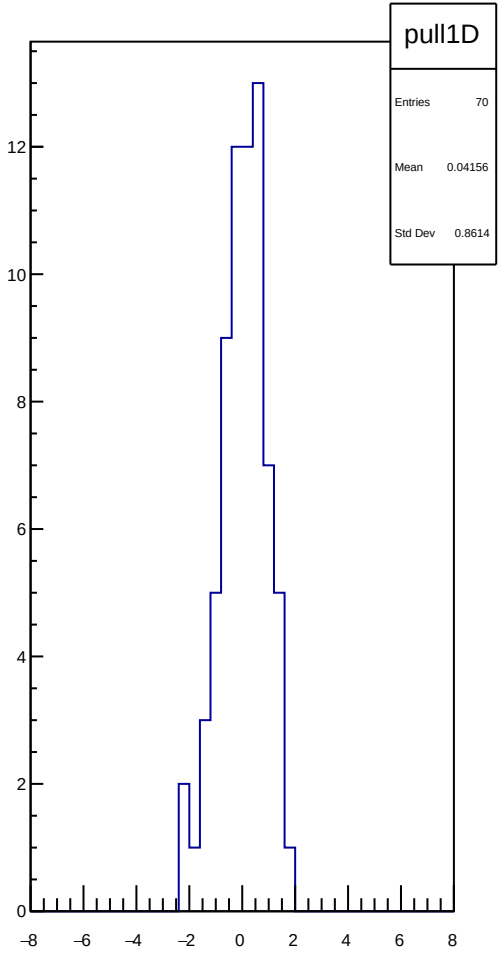

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.253e+05 / 69
p0 278.3 ± 0.2792
1200
1000
800
600
400
200

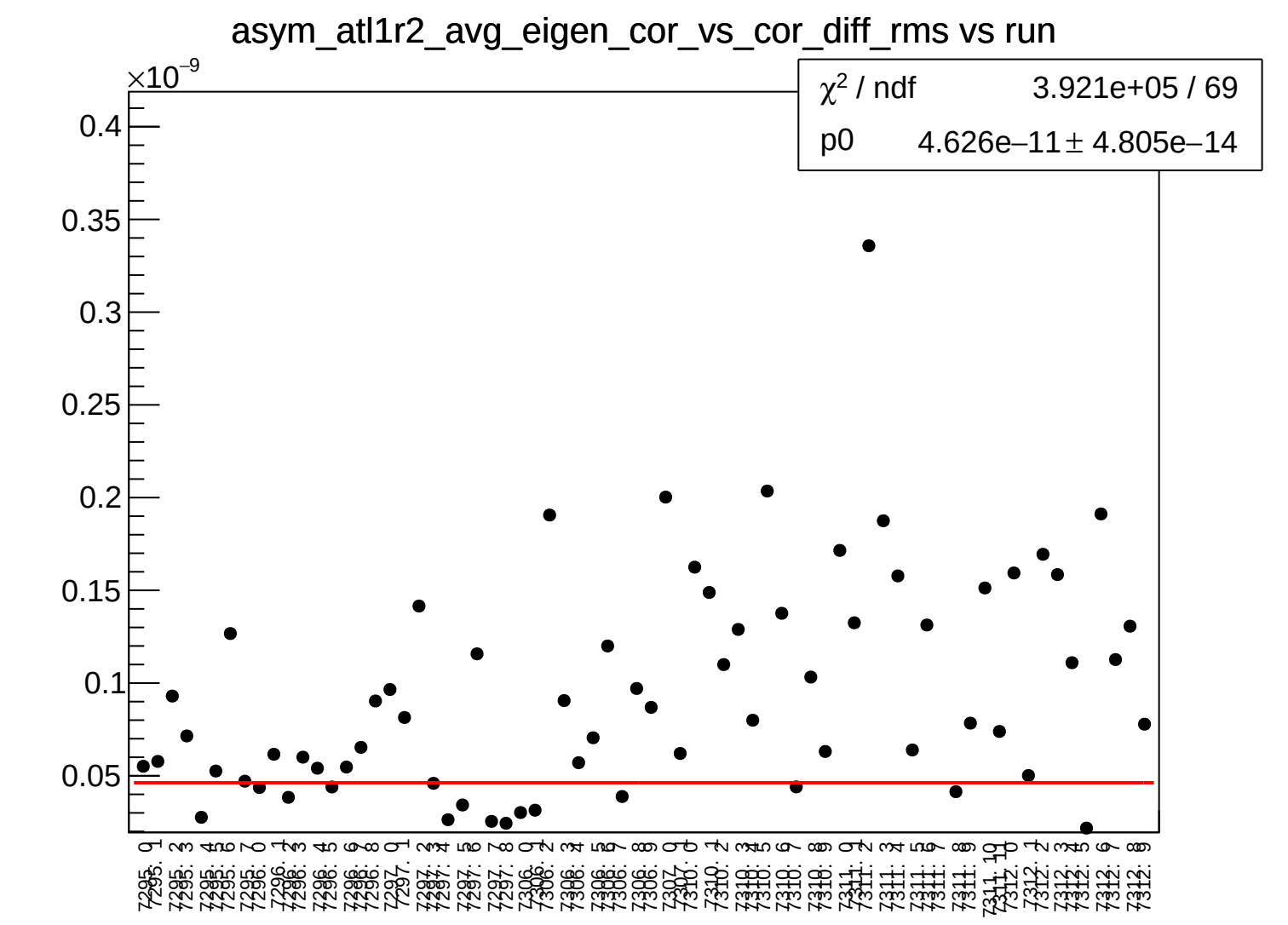

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.19 / 69
p0 0.1382 ± 0.3949
pull
Entries 70
Mean −7.119
Std Dev 0

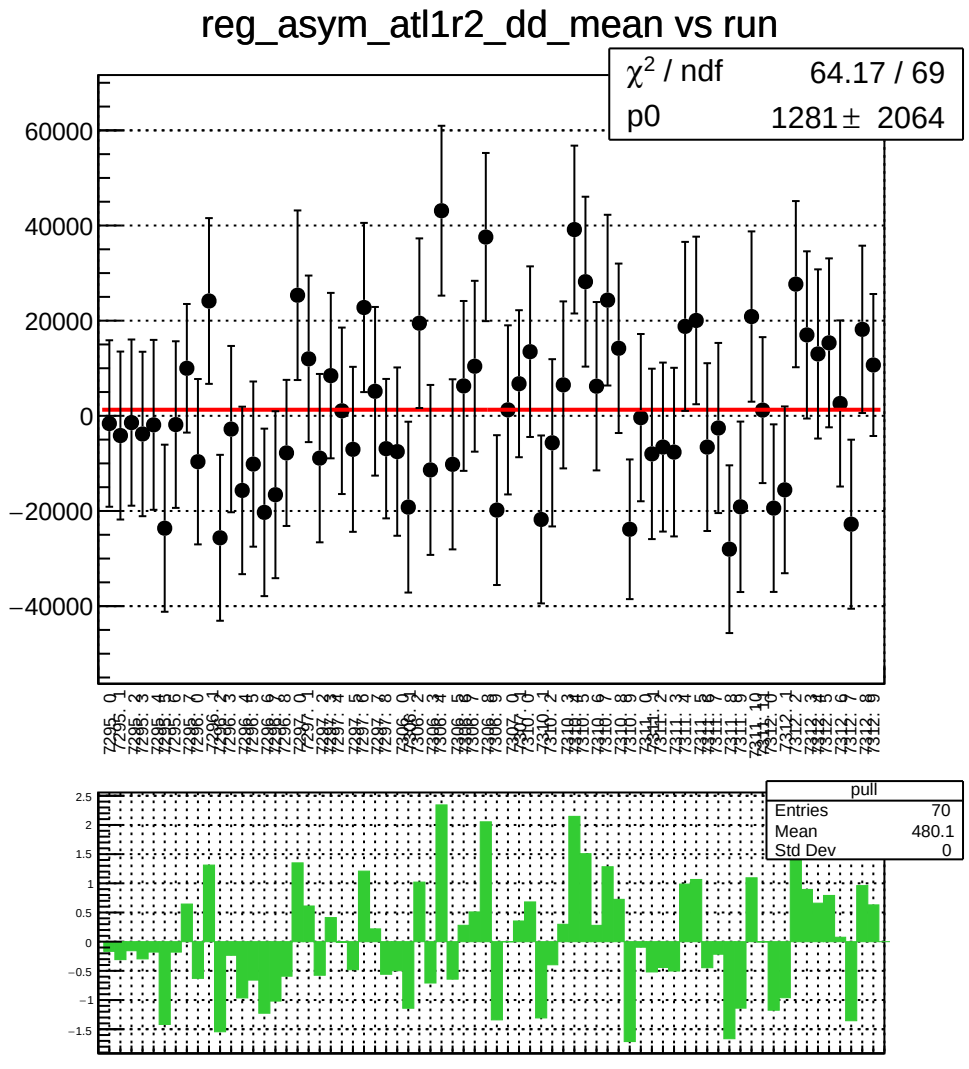

pull1D
Entries 70
Mean −0.03016
Std Dev 1.015

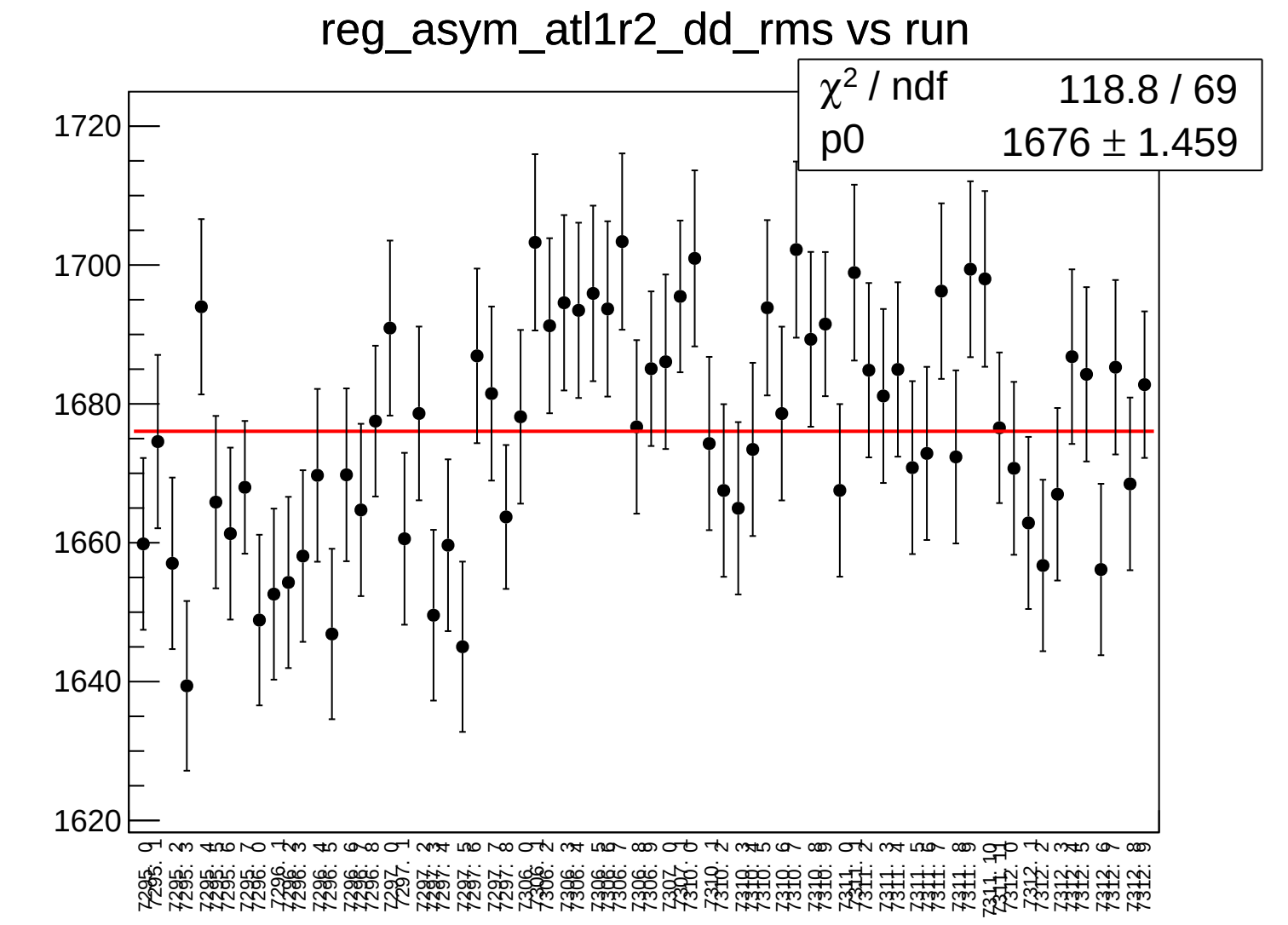

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.253e+05 / 69
p0 278.3 ± 0.2792
1200
1000
800
600
400
200

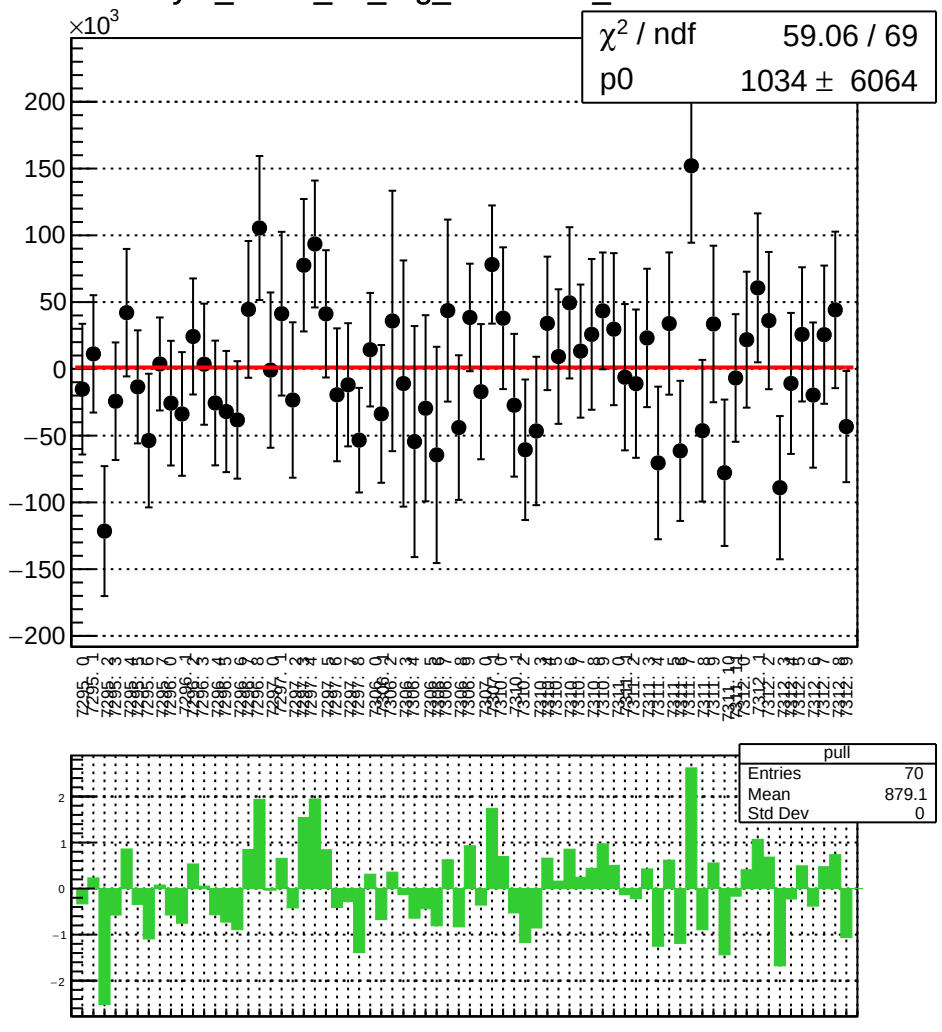

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.07 / 69
p0 1.256e−13 ± 6.795e−14
pull
Entries 70
Mean 48.62
Std Dev 46.26

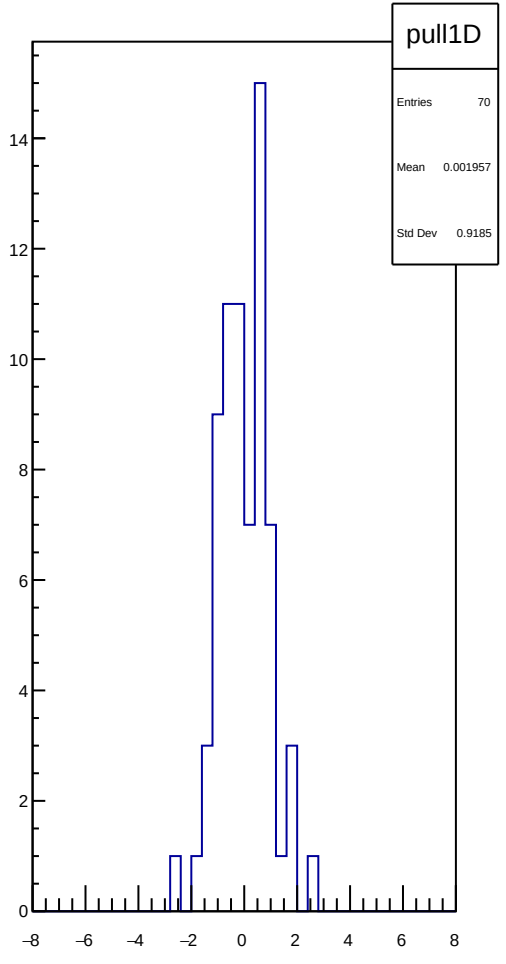

pull1D
Entries 70
Mean 0.04156
Std Dev 0.8614

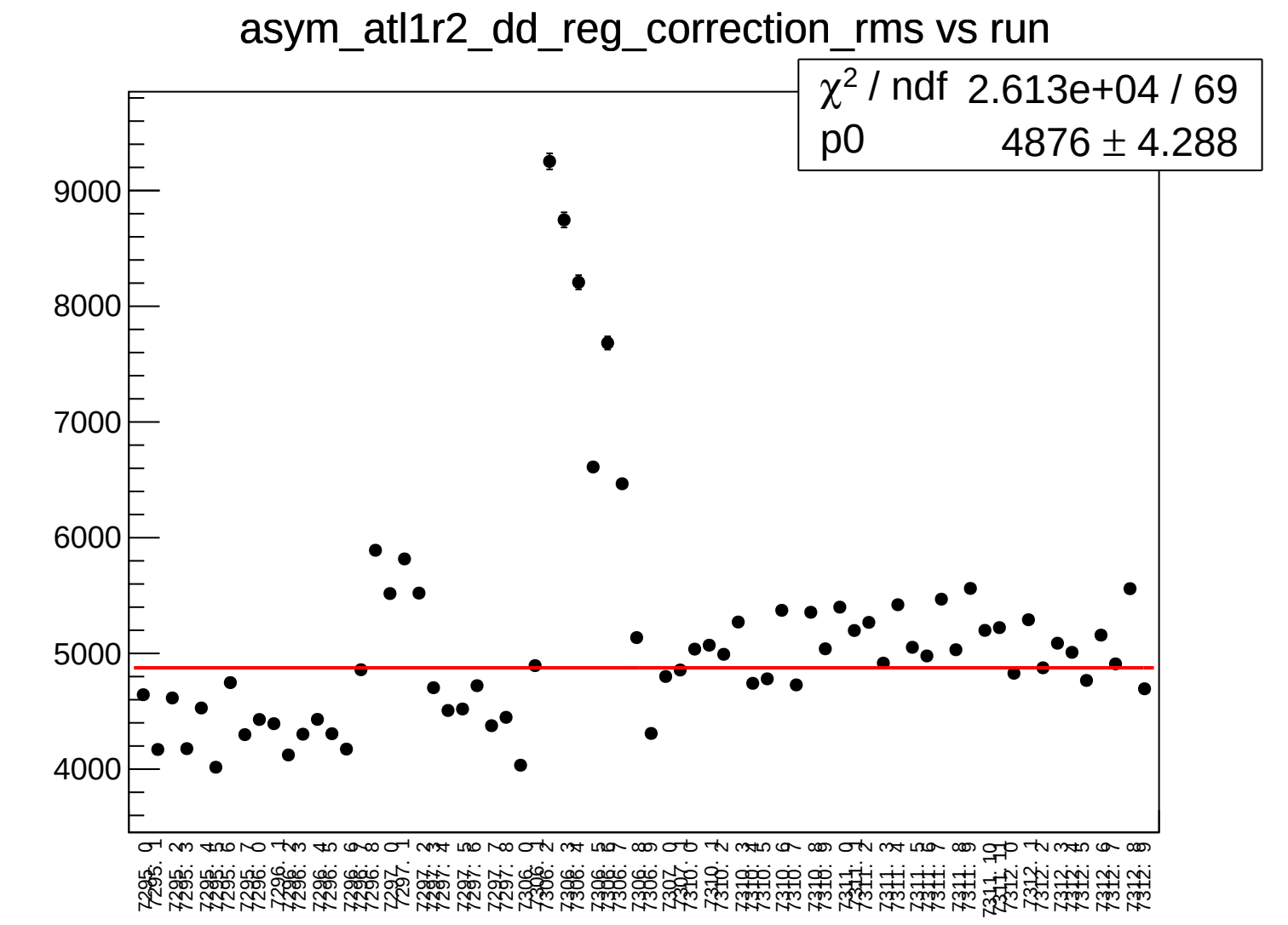

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.921e+05 / 69
p0 4.626e−11 ± 4.805e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

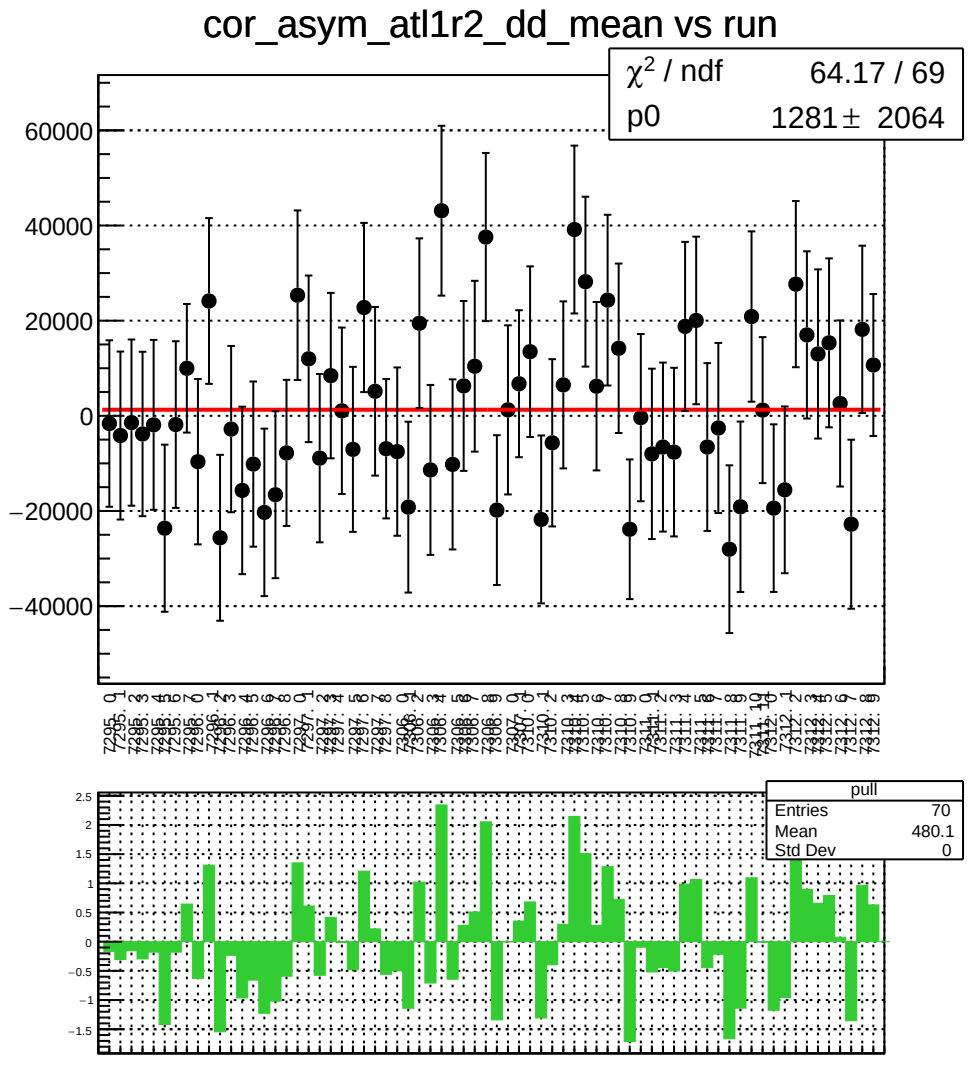

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 64.17 / 69
p0 1281 ± 2064
pull
Entries 70
Mean 480.1
Std Dev 0
pull1D
Entries 70
Mean 0.006647
Std Dev 0.9574

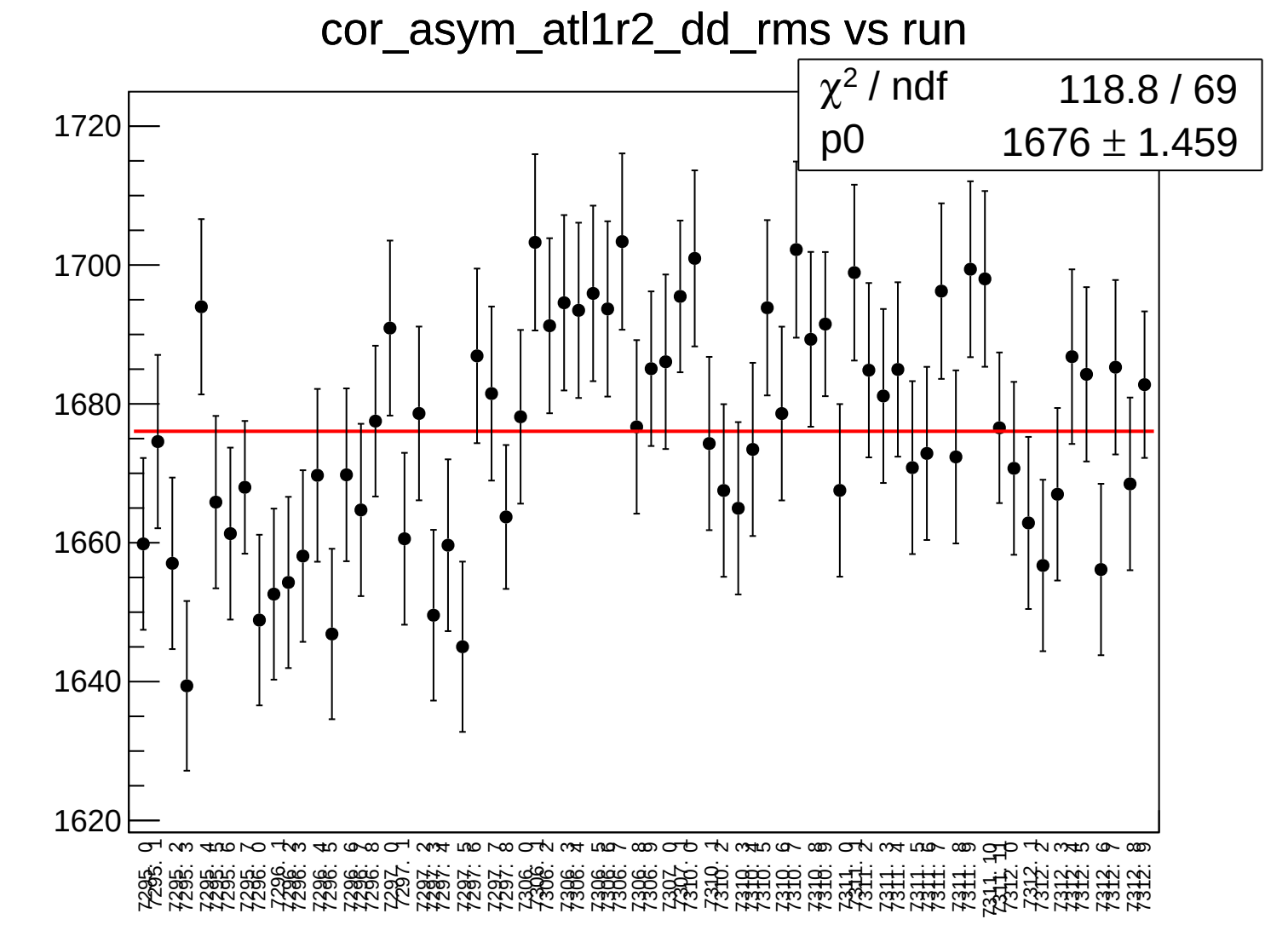

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 118.8 / 69
p0 1676 ± 1.459
1720
1700
1680
1660
1640
1620

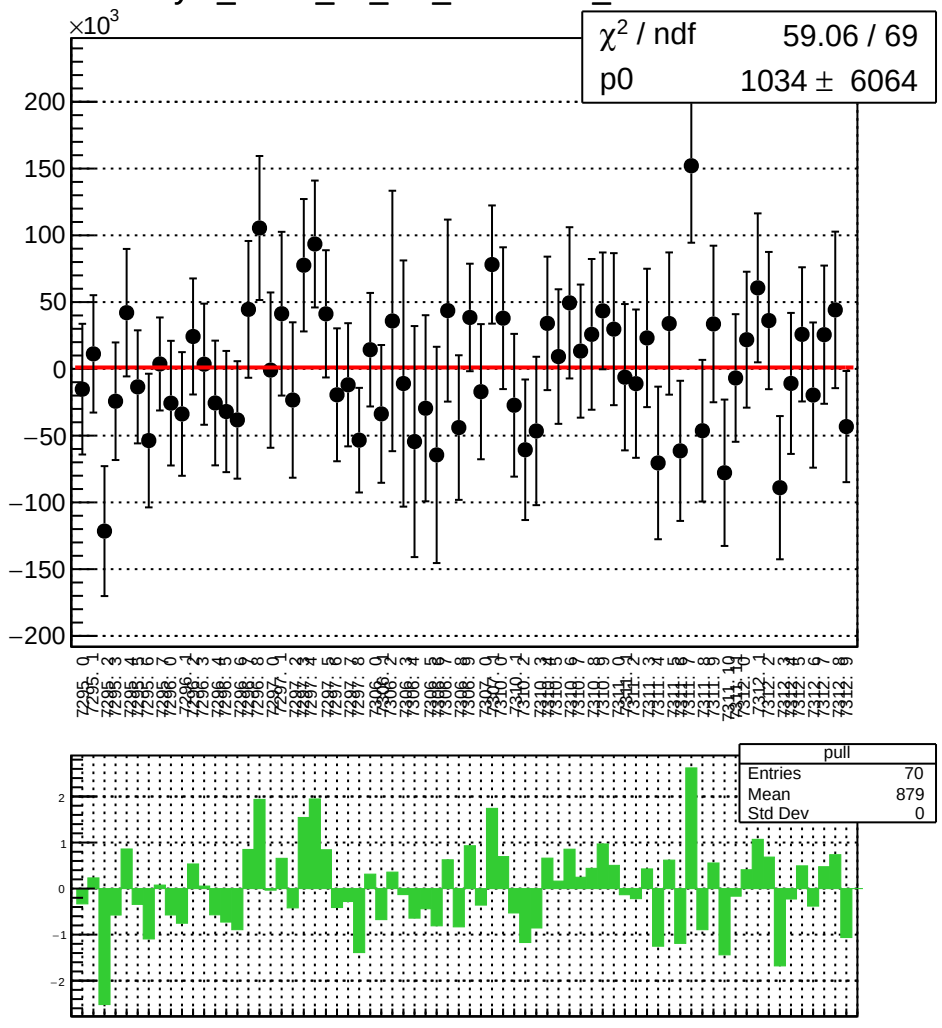

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.06 / 69
p0 1034 ± 6064
pull
Entries 70
Mean 879.1
Std Dev 0

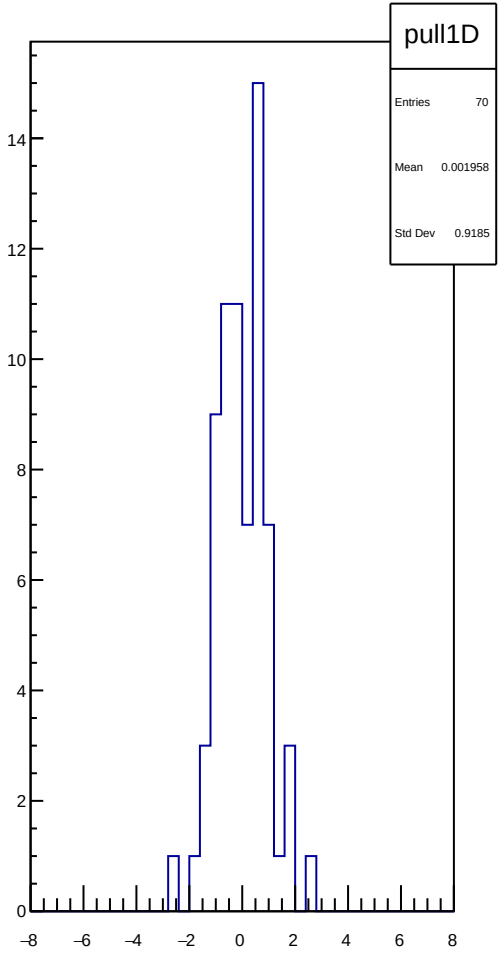

pull1D
Entries 70
Mean 0.001957
Std Dev 0.9185

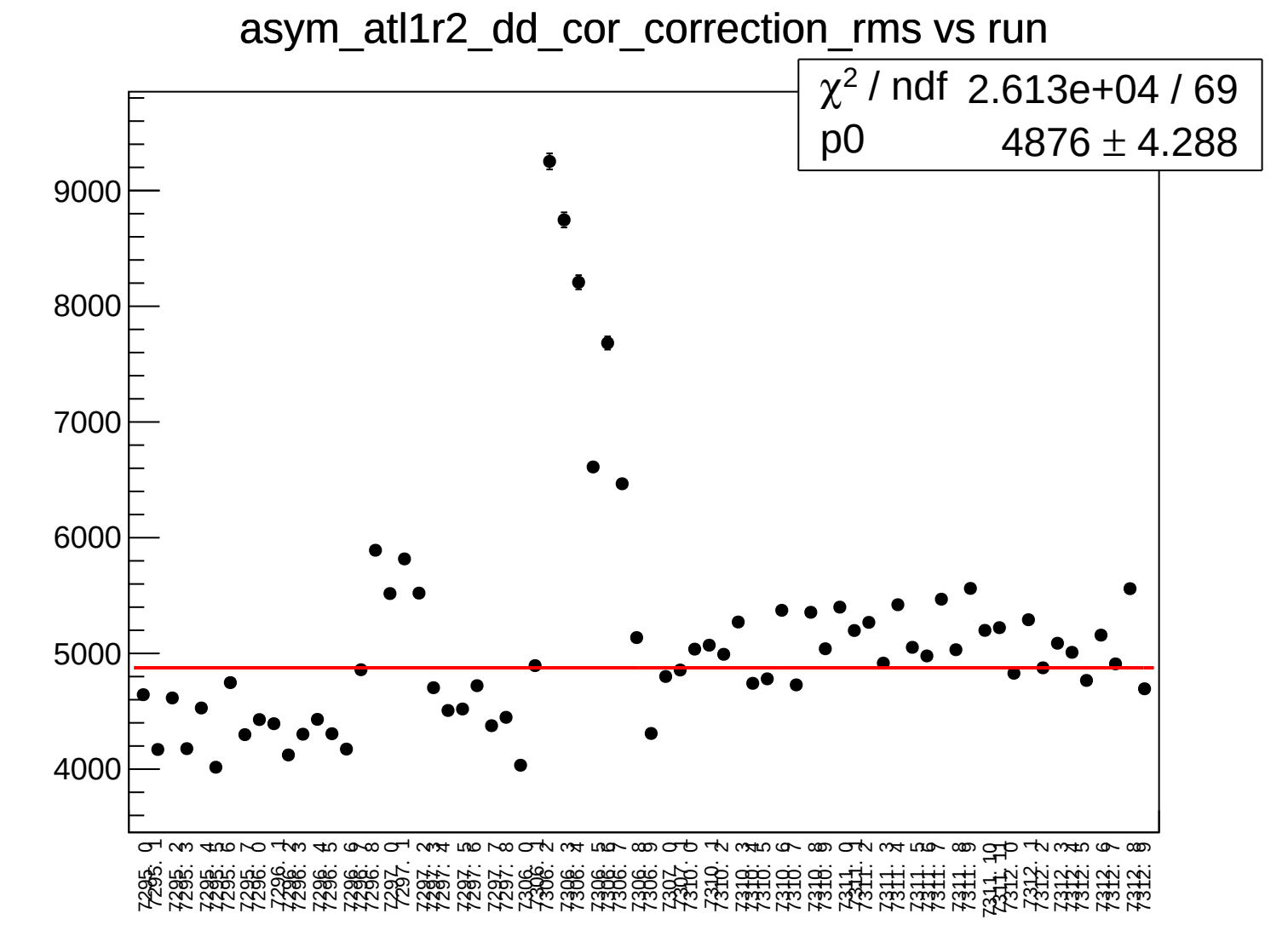

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 4876 ± 4.288
9000
8000
7000
6000
5000
4000

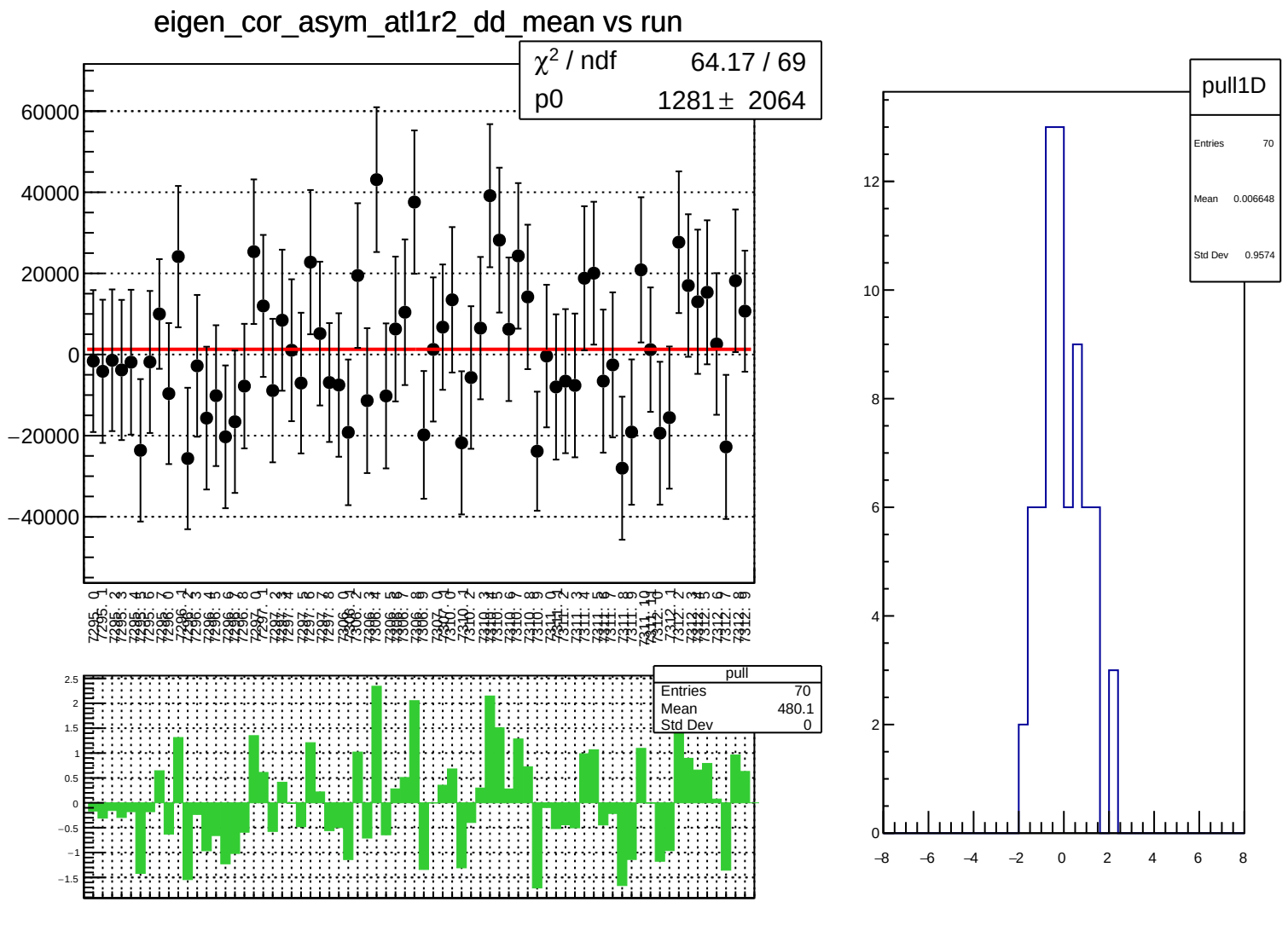

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.17 / 69
p0 1281 ± 2064
pull
Entries 70
Mean 480.1
Std Dev 0
pull1D
Entries 70
Mean 0.006648
Std Dev 0.9574

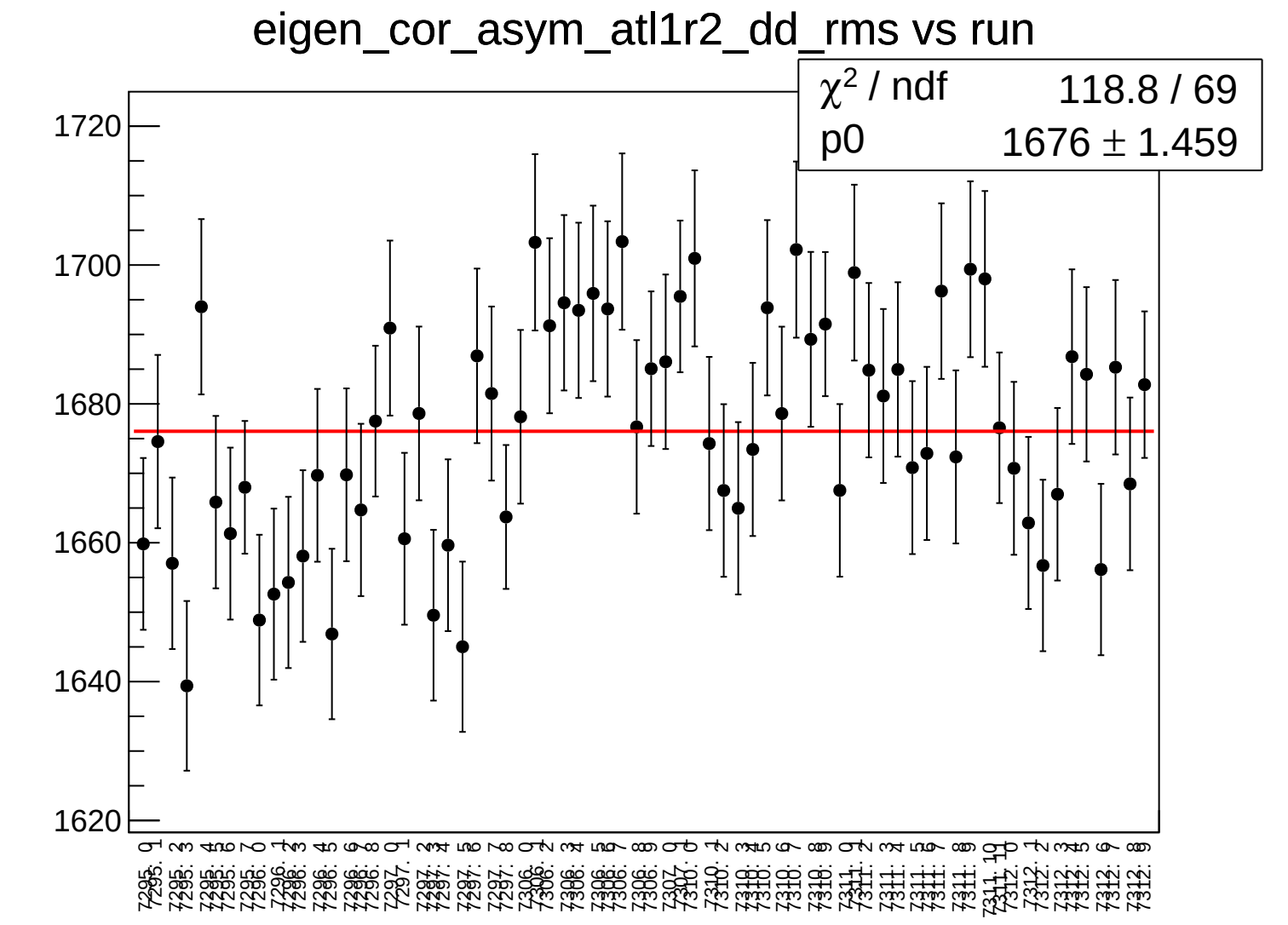

cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 118.8 / 69
p0 1676 ± 1.459
1720
1700
1680
1660
1640
1620

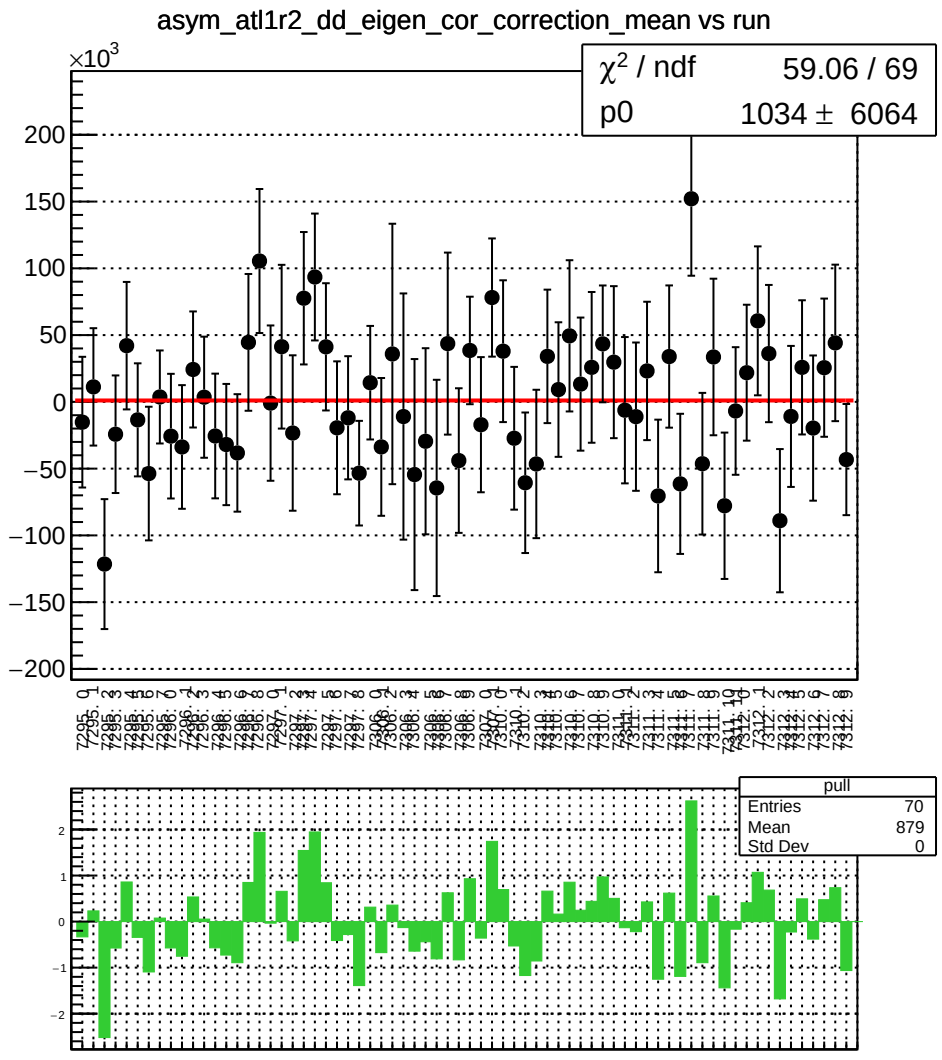

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.06 / 69
p0 1034 ± 6064
pull
Entries 70
Mean 879
Std Dev 0

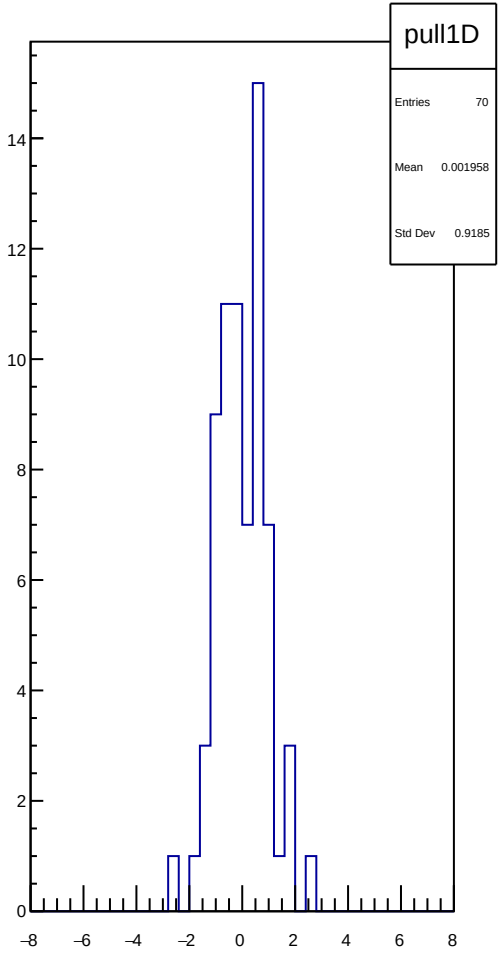

pull1D
Entries 70
Mean 0.001958
Std Dev 0.9185

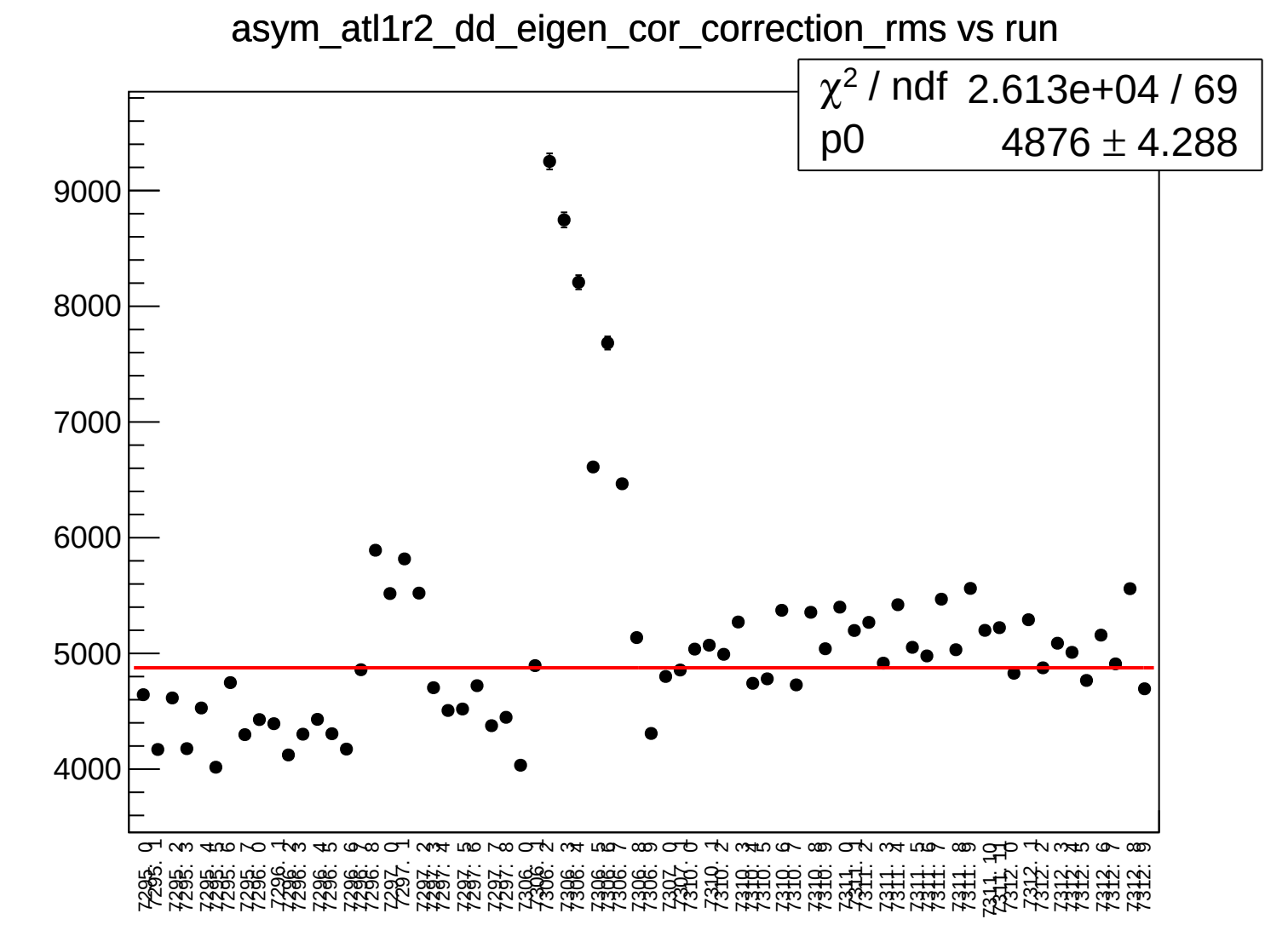

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 4876 ± 4.288
9000
8000
7000
6000
5000
4000

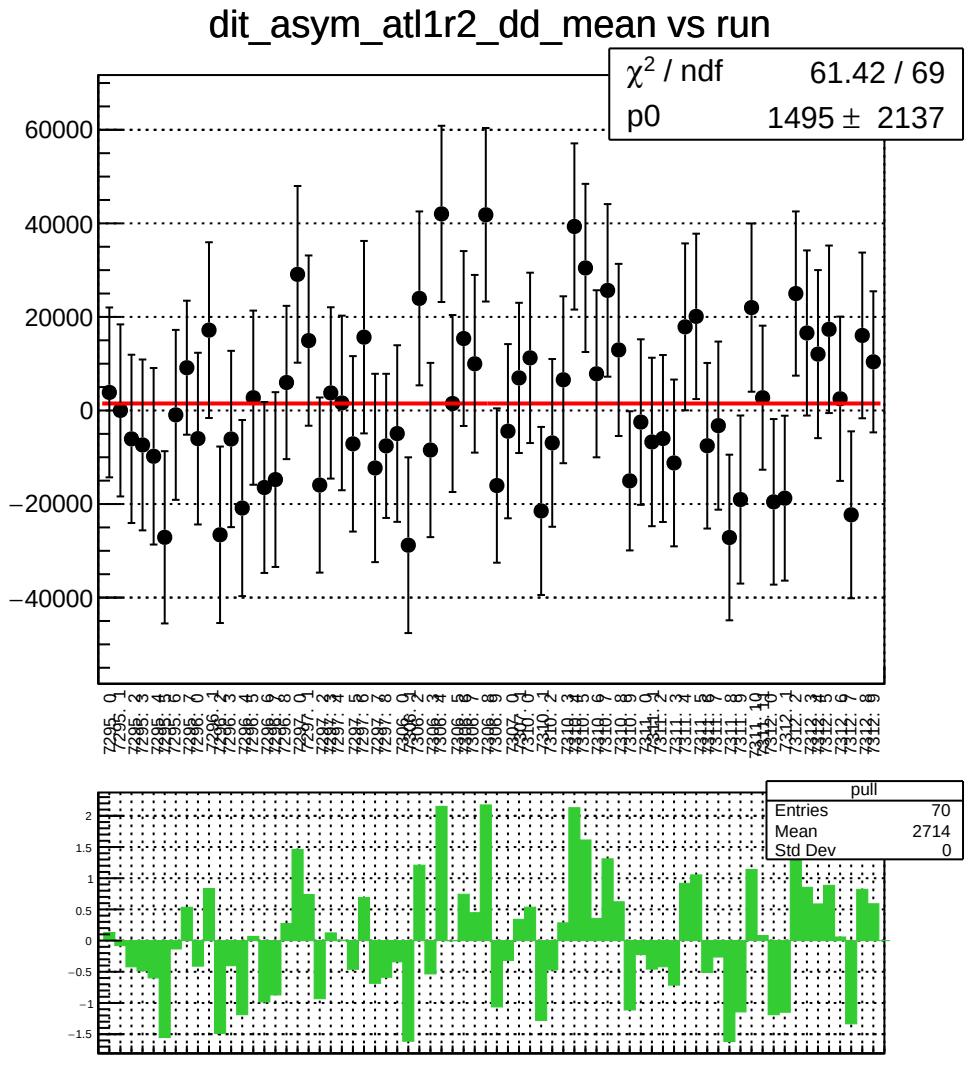

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.17 / 69
p0 1281 ± 2064
pull
Entries 70
Mean 480.1
Std Dev 0
pull1D
Entries 70
Mean 0.006648
Std Dev 0.9574

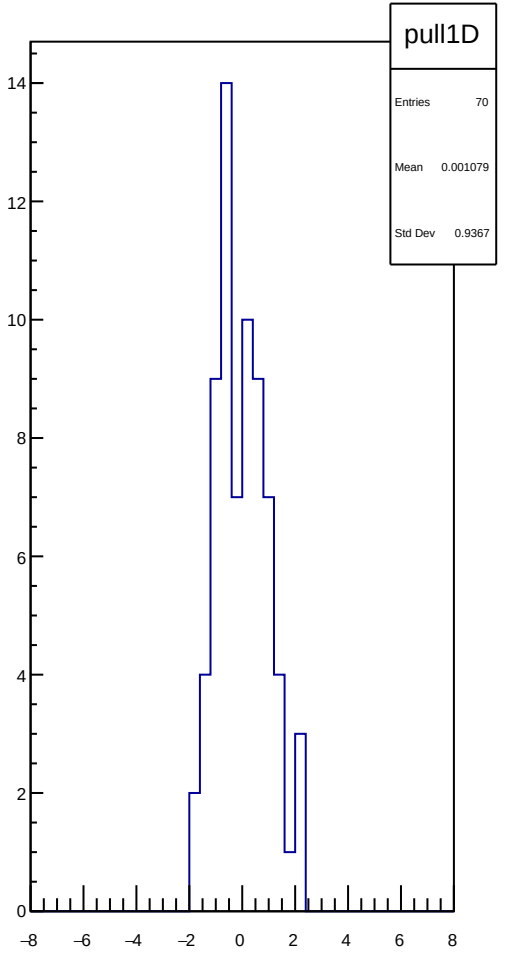

eigen_cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 118.8 / 69
p0 1676 ± 1.459
1720
1700
1680
1660
1640
1620

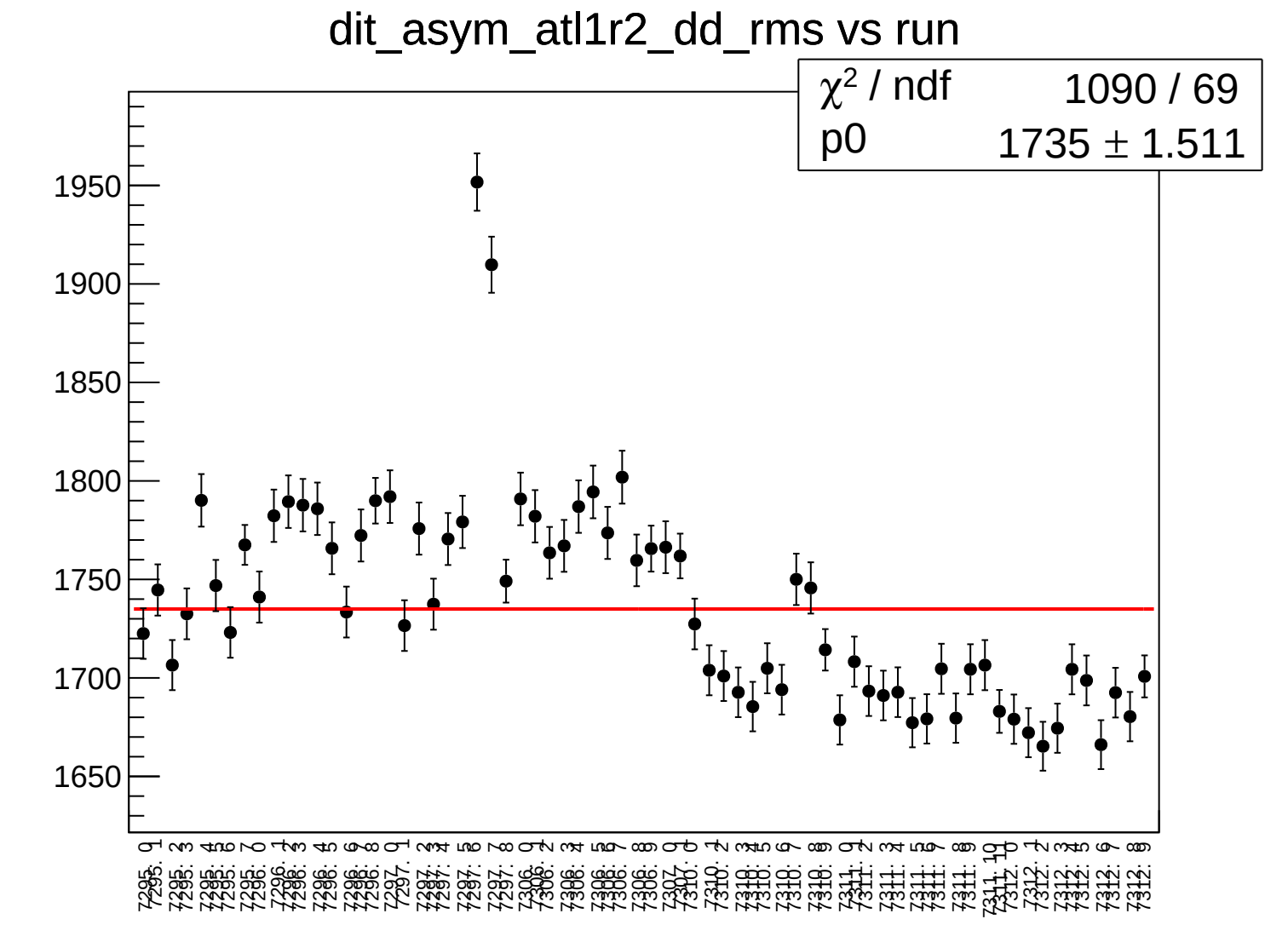

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 59.06 / 69
p0 1034 ± 6064
pull
Entries 70
Mean 879
Std Dev 0

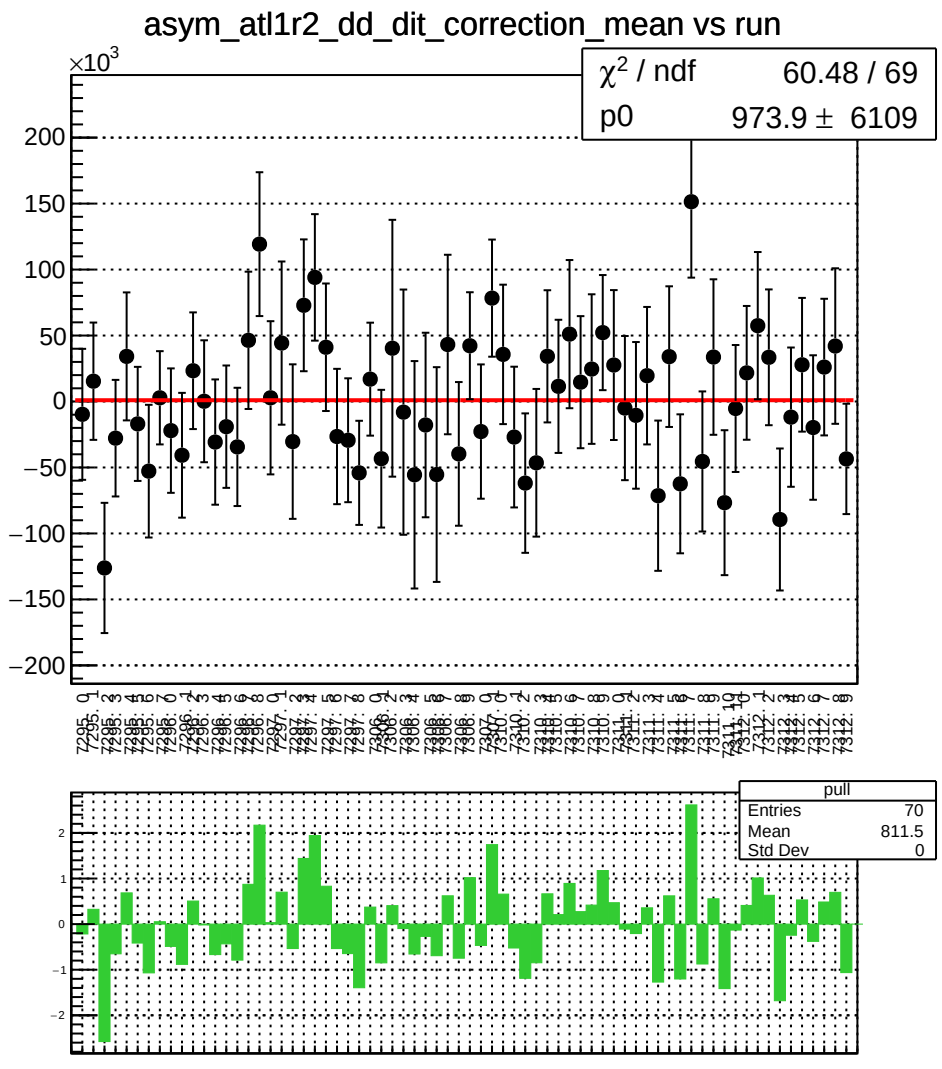

pull1D
Entries 70
Mean 0.001958
Std Dev 0.9185

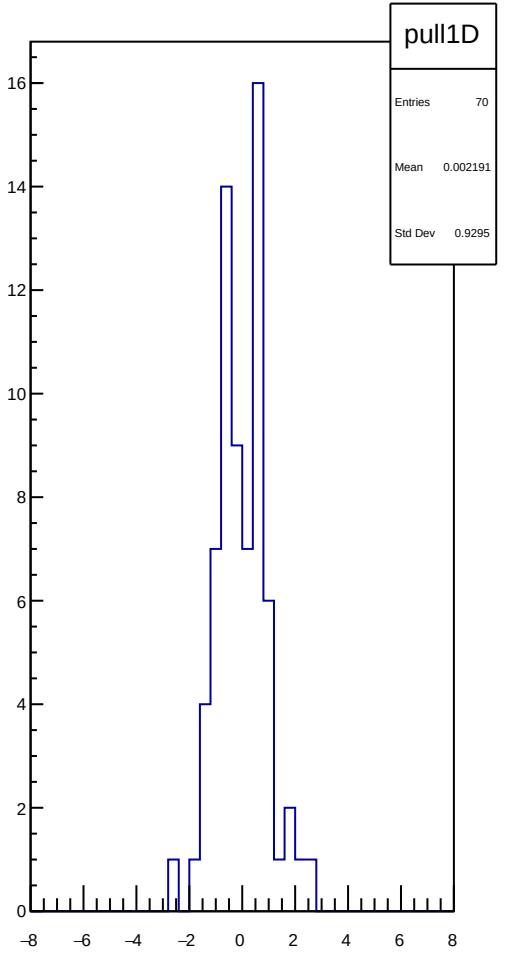

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.613e+04 / 69
p0 4876 ± 4.288
9000
8000
7000
6000
5000
4000

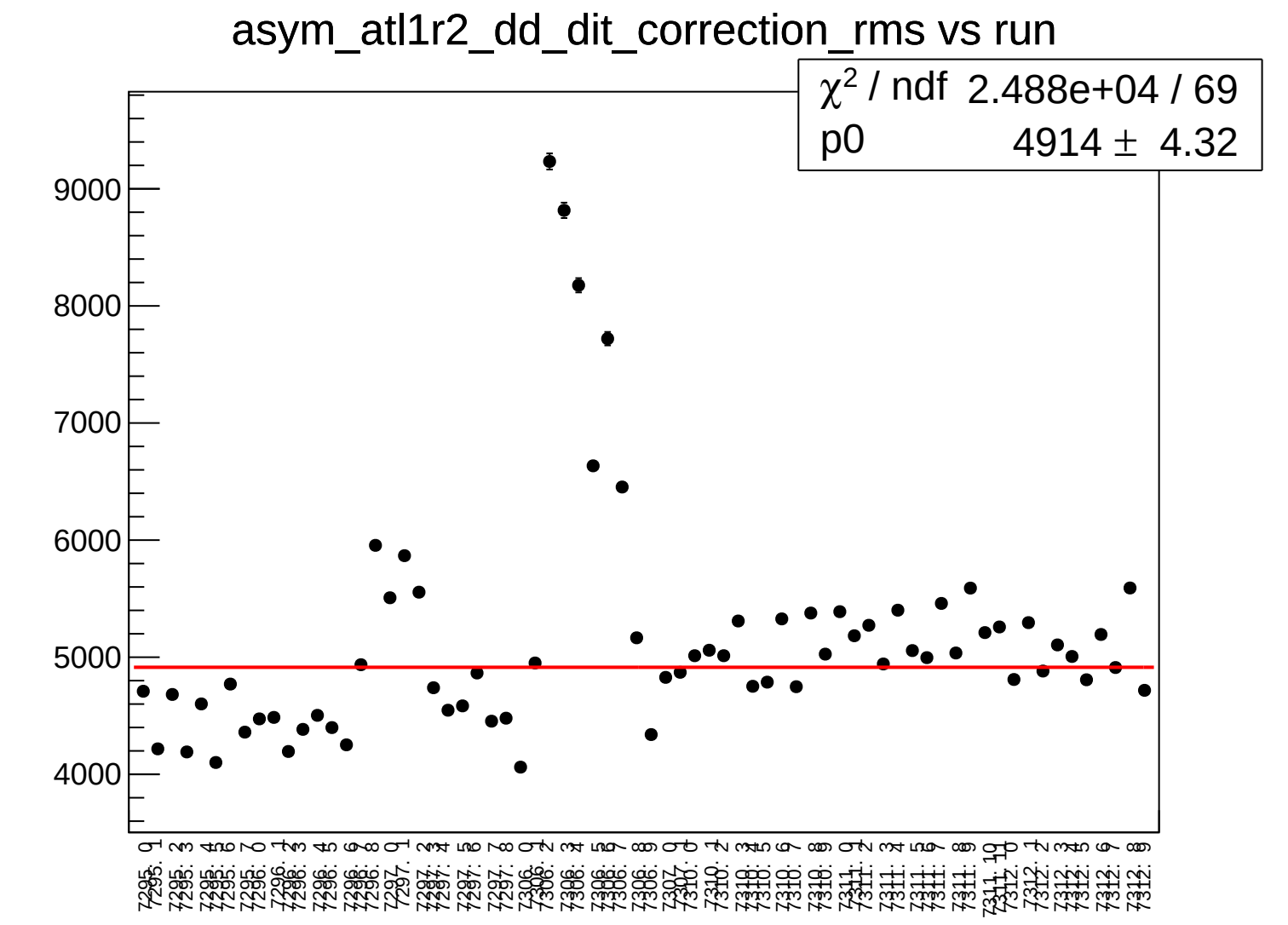

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 61.42 / 69
p0 1495 ± 2137
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 2714
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

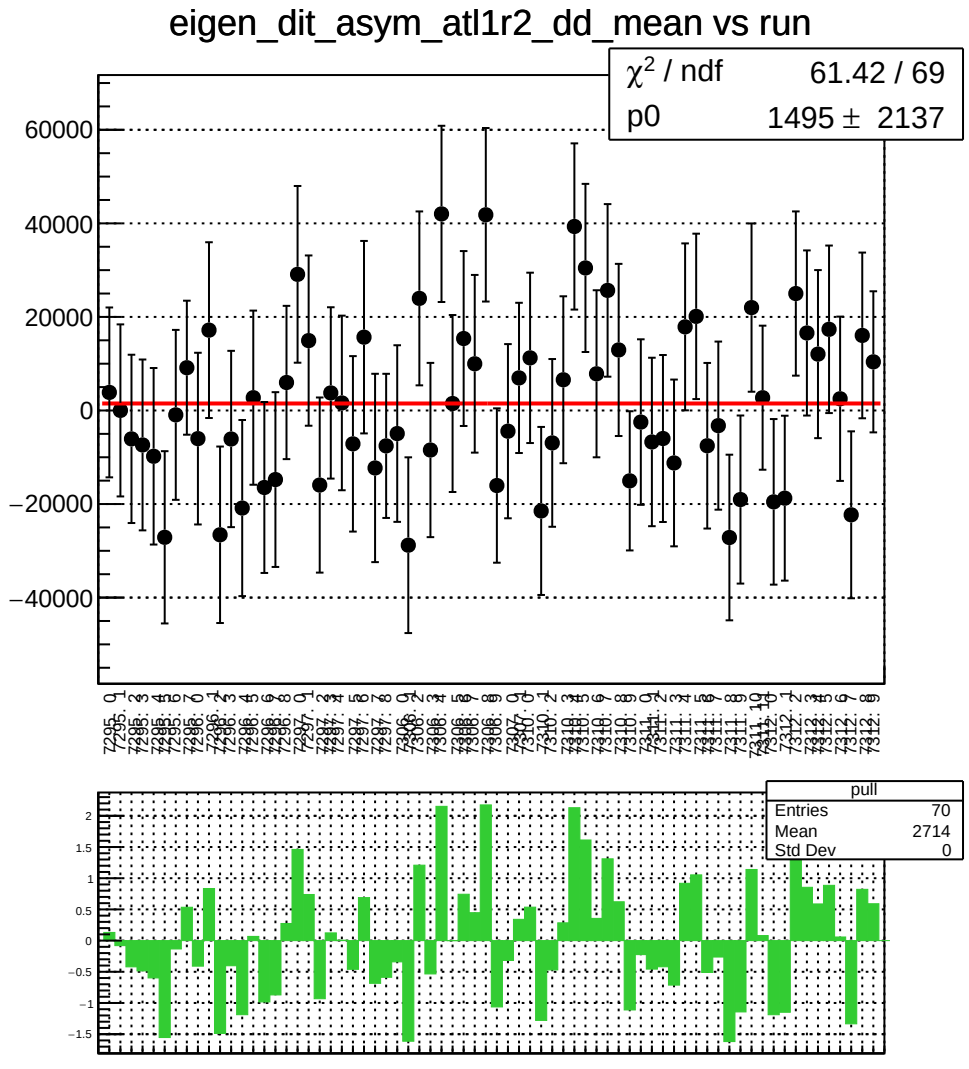

pull1D
Entries 70
Mean 0.001079
Std Dev 0.9367
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

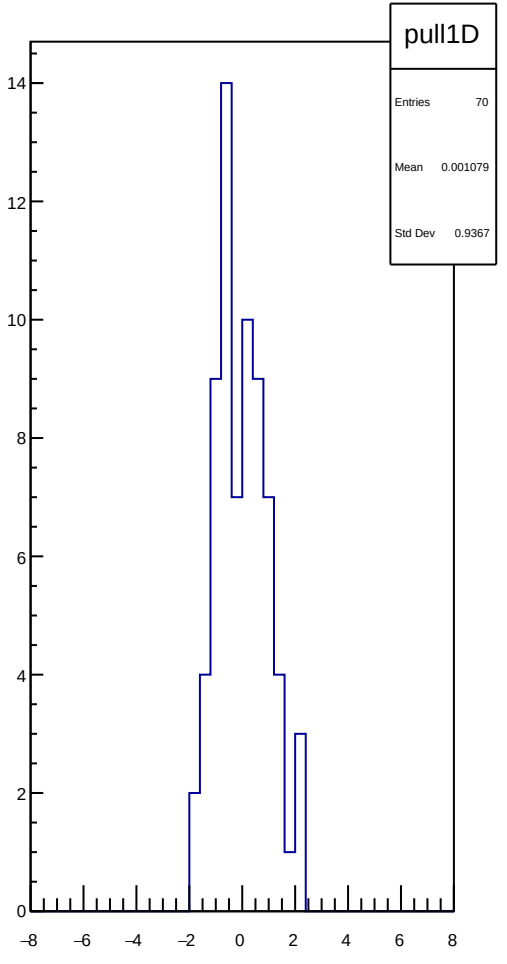

dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 1090 / 69
p0 1735 ± 1.511
1950
1900
1850
1800
1750
1700
1650

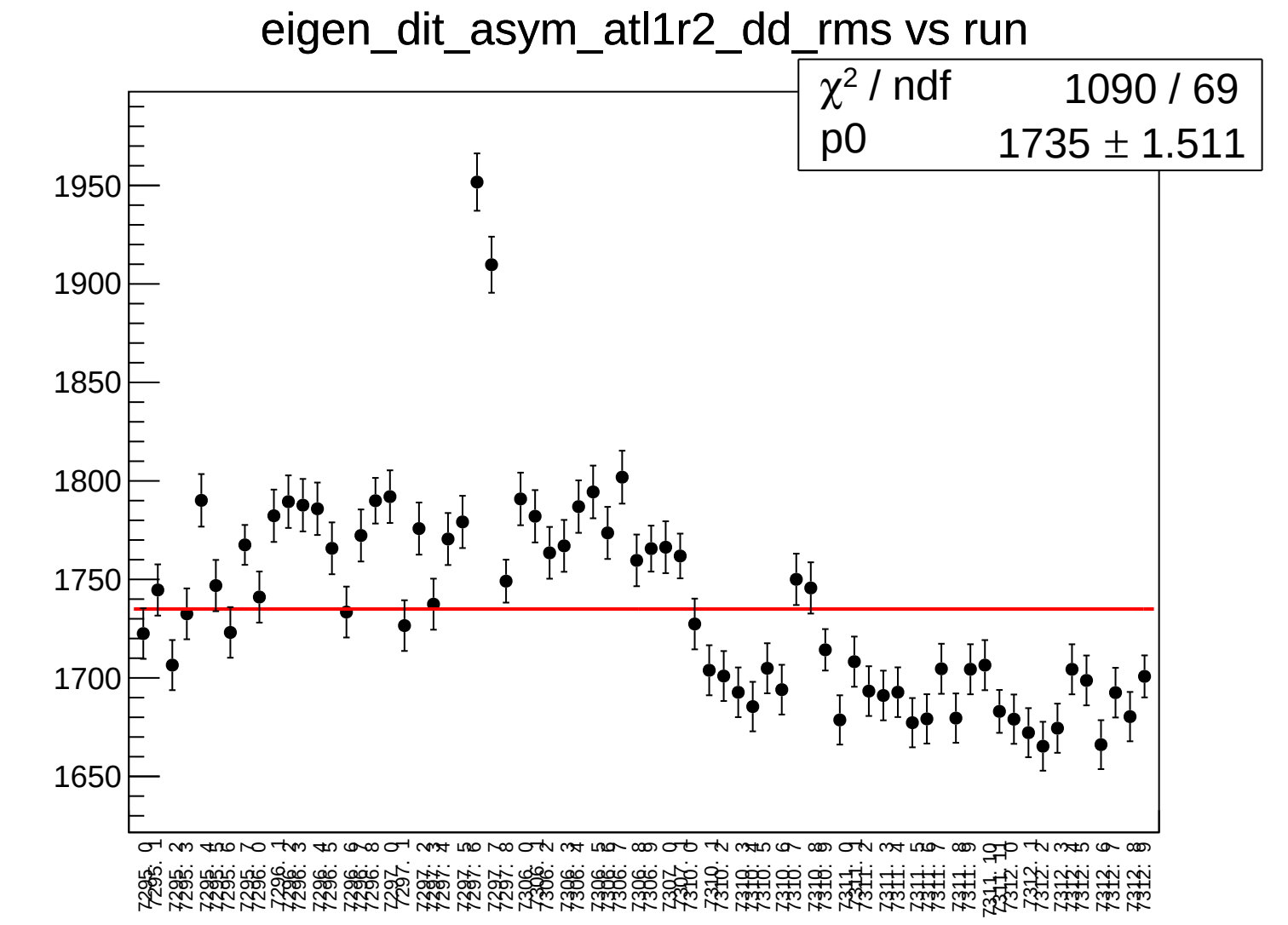

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.48 / 69
p0 973.9 ± 6109
pull
Entries 70
Mean 811.5
Std Dev 0

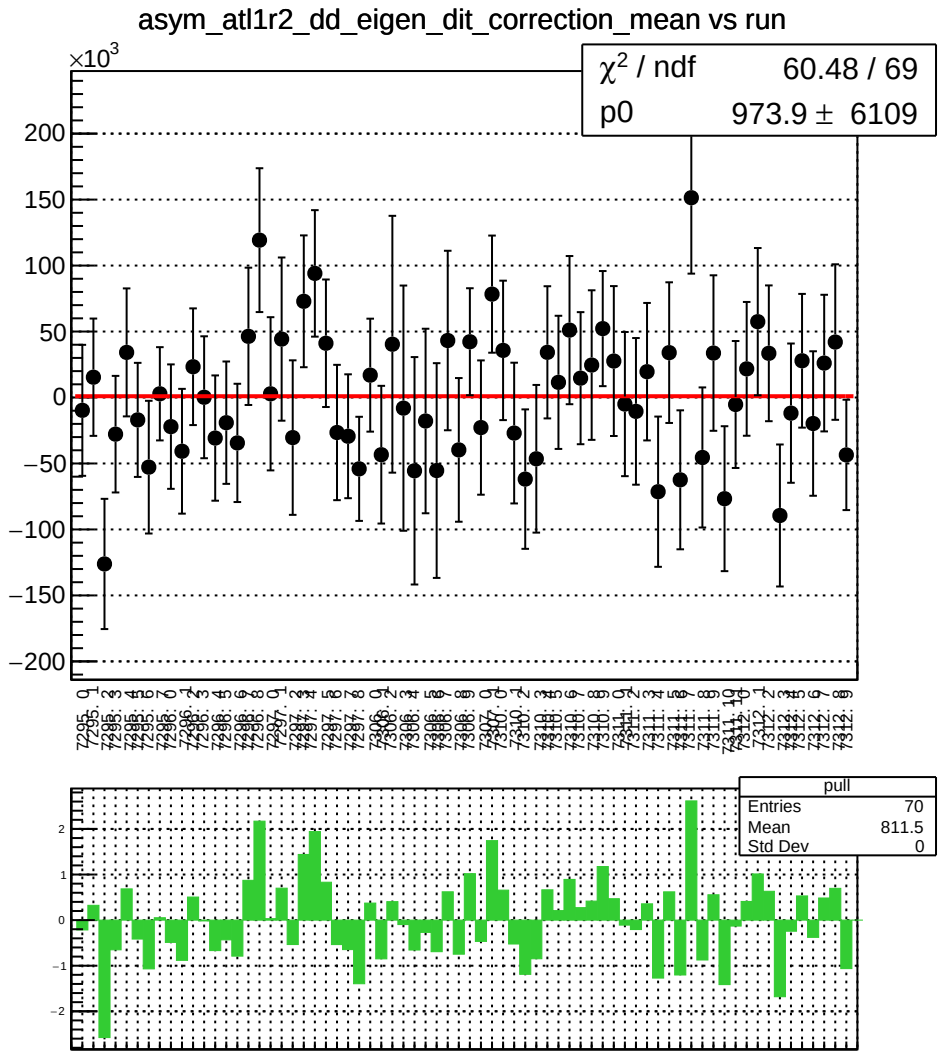

pull1D
Entries 70
Mean 0.002191
Std Dev 0.9295

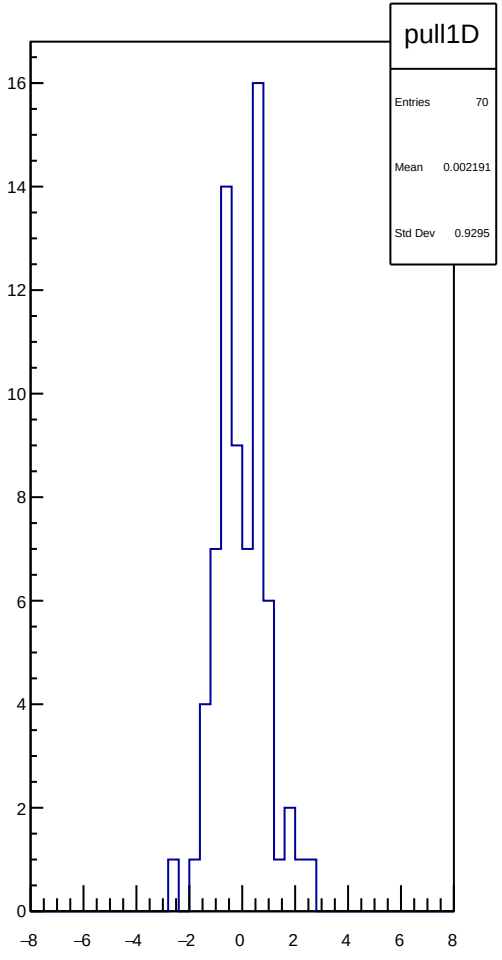

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2.488e+04 / 69
p0 4914 ± 4.32
9000
8000
7000
6000
5000
4000

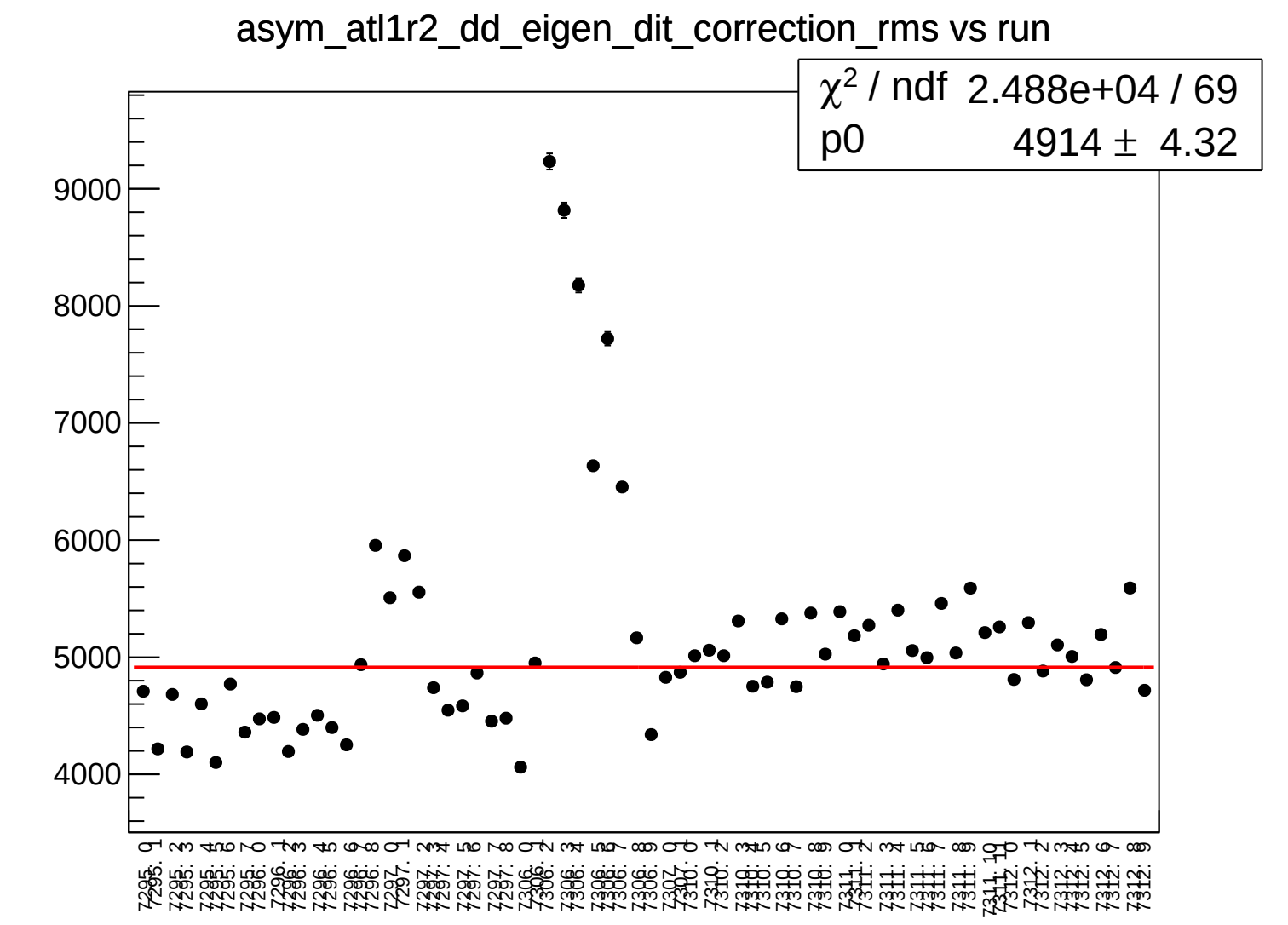

eigen_dit_asym_atl1r2_dd_mean vs run
χ^2 / ndf 61.42 / 69
p0 1495 ± 2137
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 2714
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

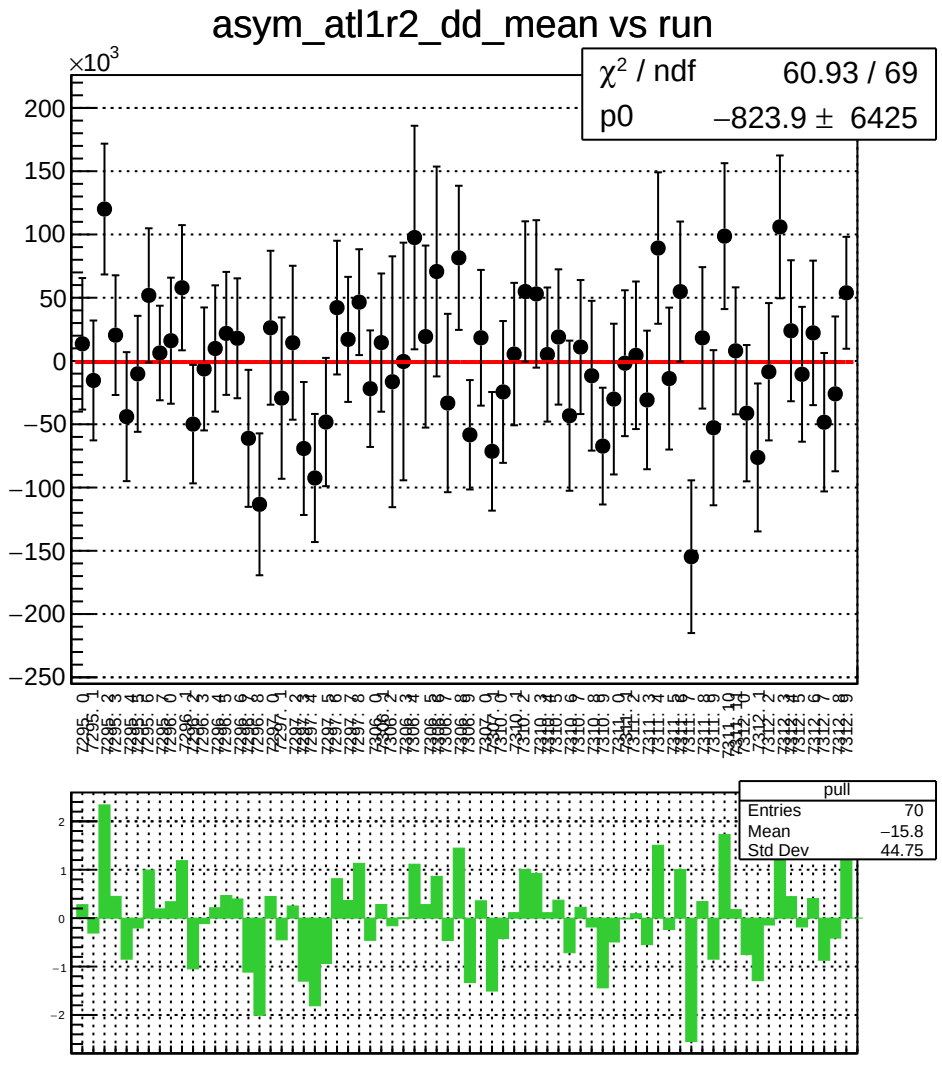

pull1D
Entries 70
Mean 0.001079
Std Dev 0.9367
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

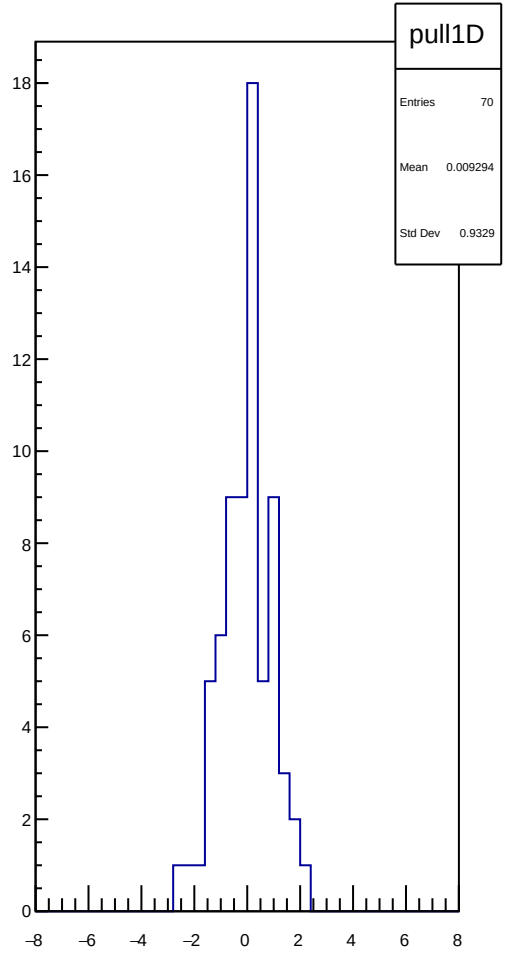

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 1090 / 69
p0 1735 ± 1.511
1950
1900
1850
1800
1750
1700
1650

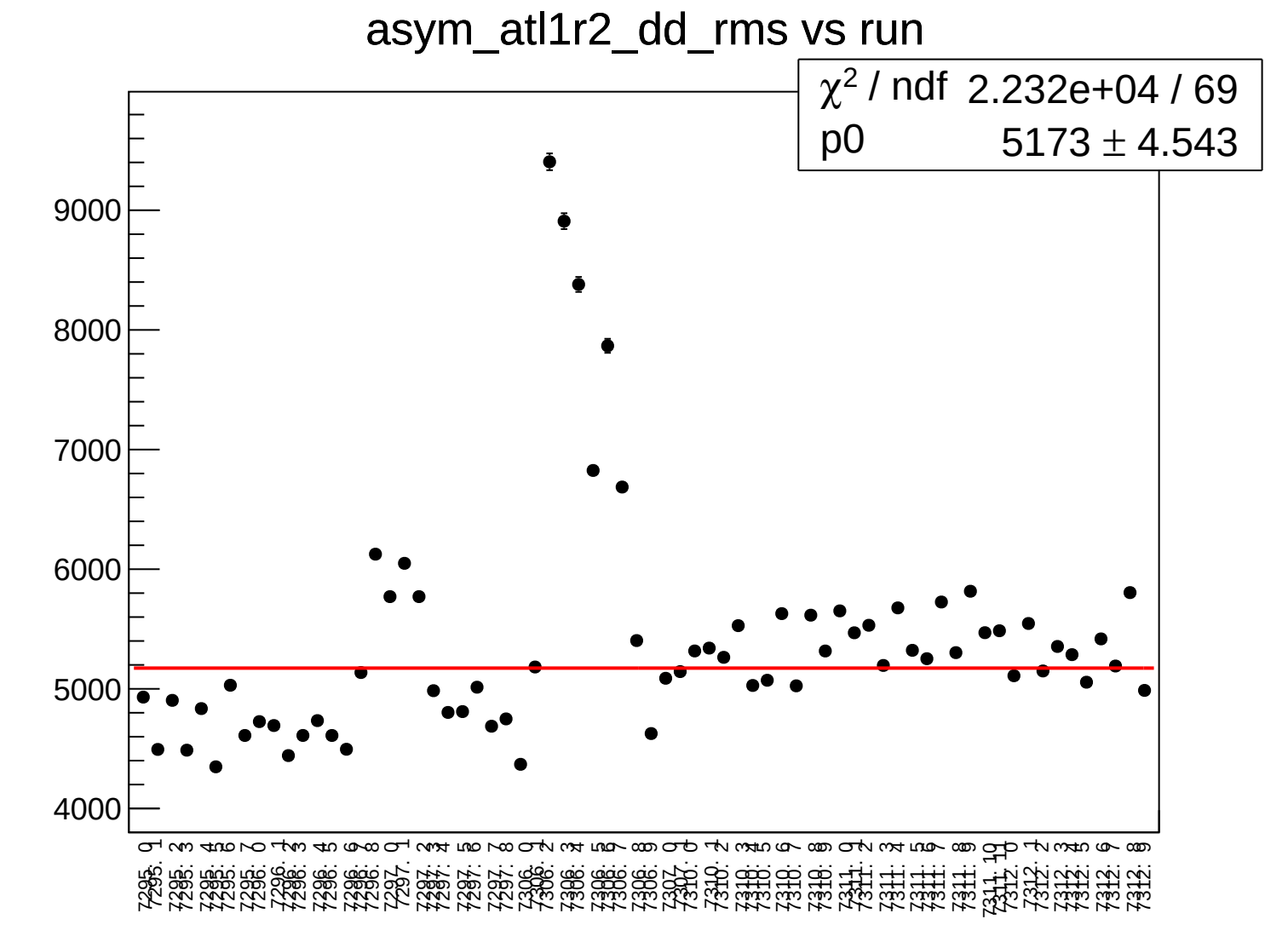

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.48 / 69
p0 973.9 ± 6109
pull
Entries 70
Mean 811.5
Std Dev 0

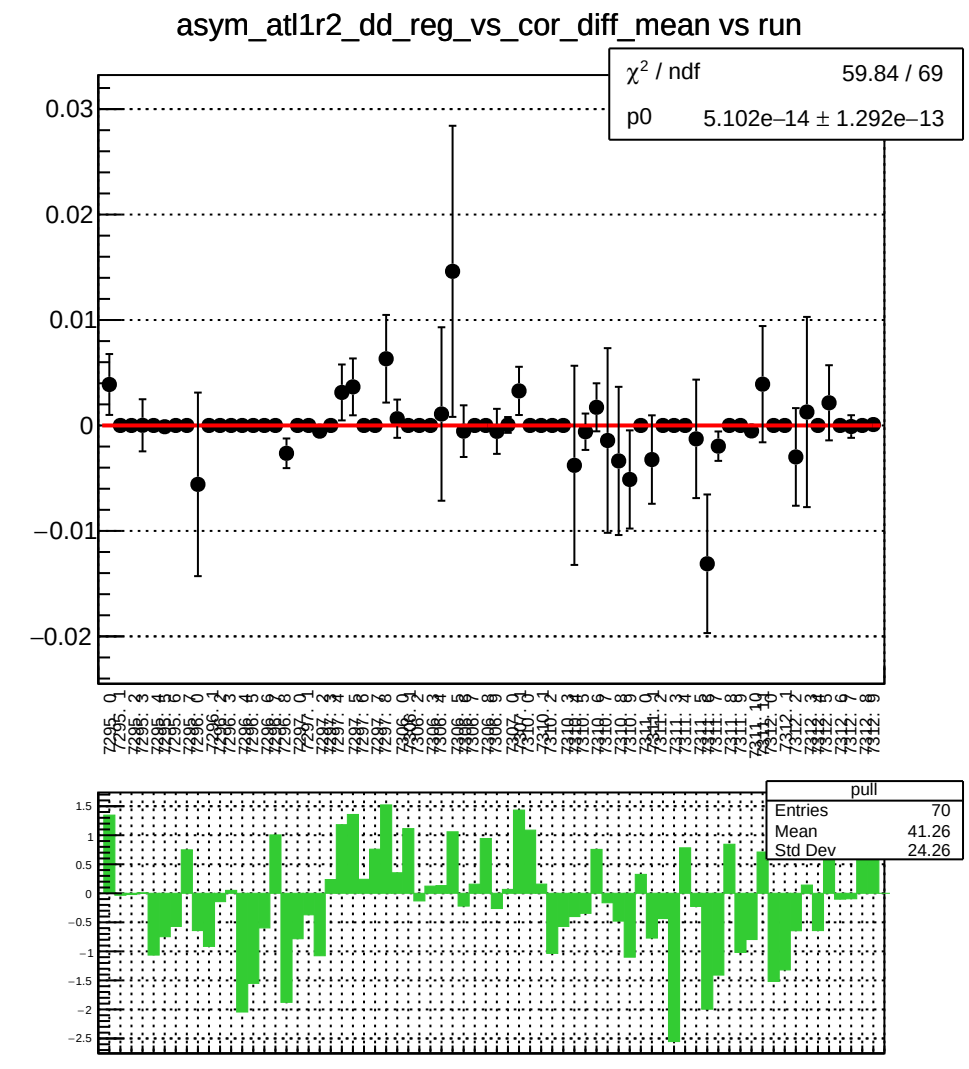

pull1D
Entries 70
Mean 0.002191
Std Dev 0.9295

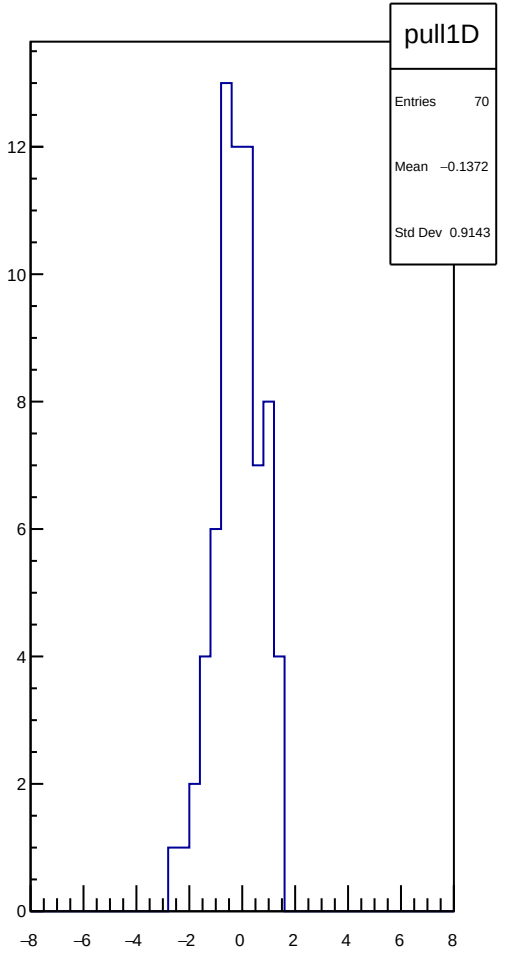

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 2.488e+04 / 69
p0 4914 ± 4.32
9000
8000
7000
6000
5000
4000

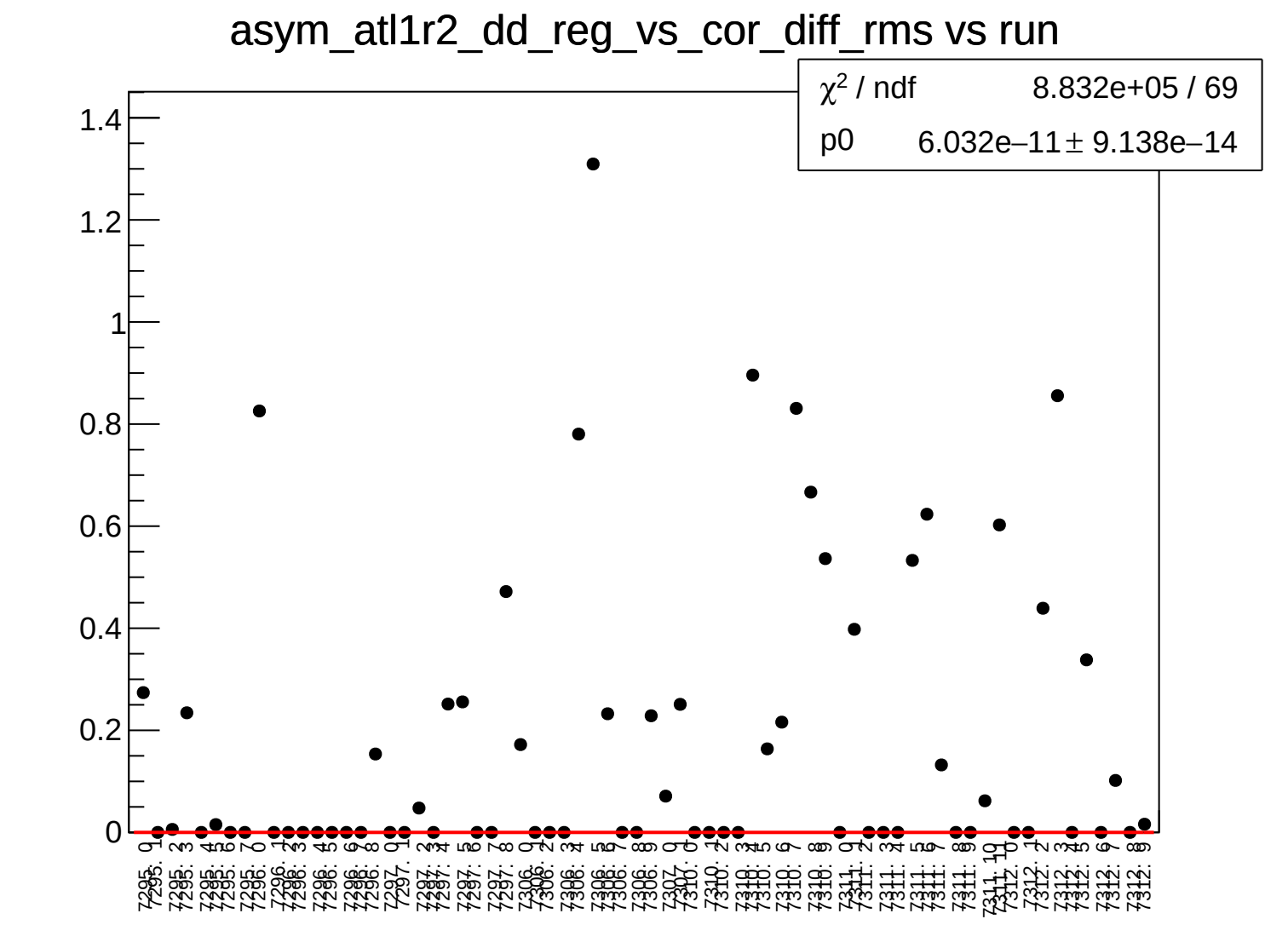

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 60.93 / 69
p0 −823.9 ± 6425
pull
Entries 70
Mean −15.8
Std Dev 44.75

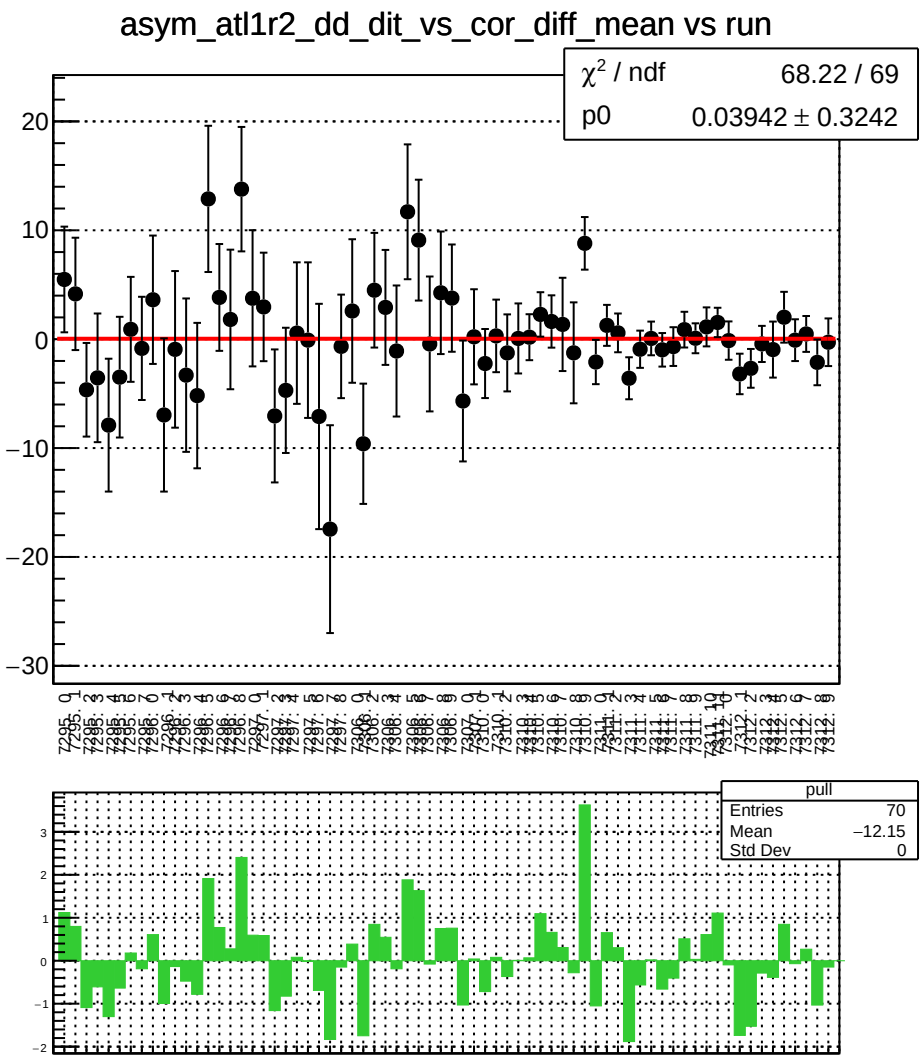

pull1D
Entries 70
Mean 0.009294
Std Dev 0.9329

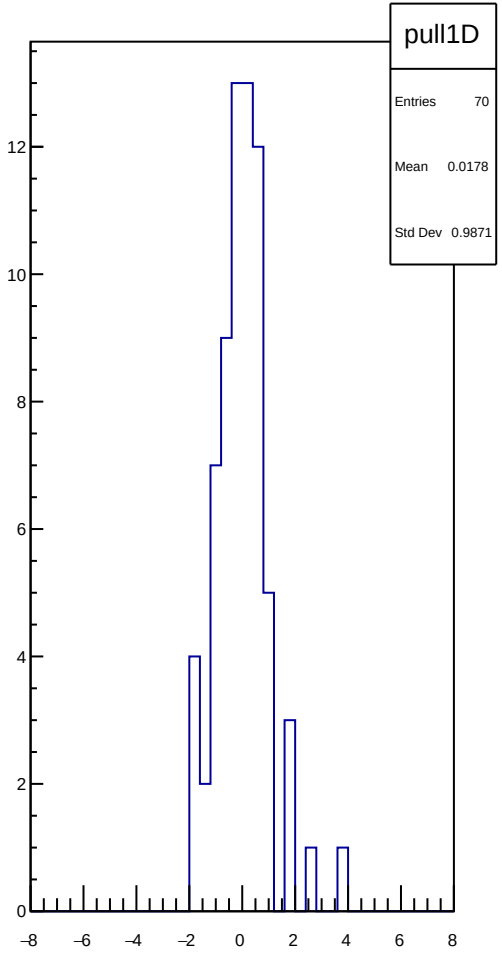

asym_atl1r2_dd_rms vs run
χ^2 / ndf 2.232e+04 / 69
p0 5173 ± 4.543
9000
8000
7000
6000
5000
4000

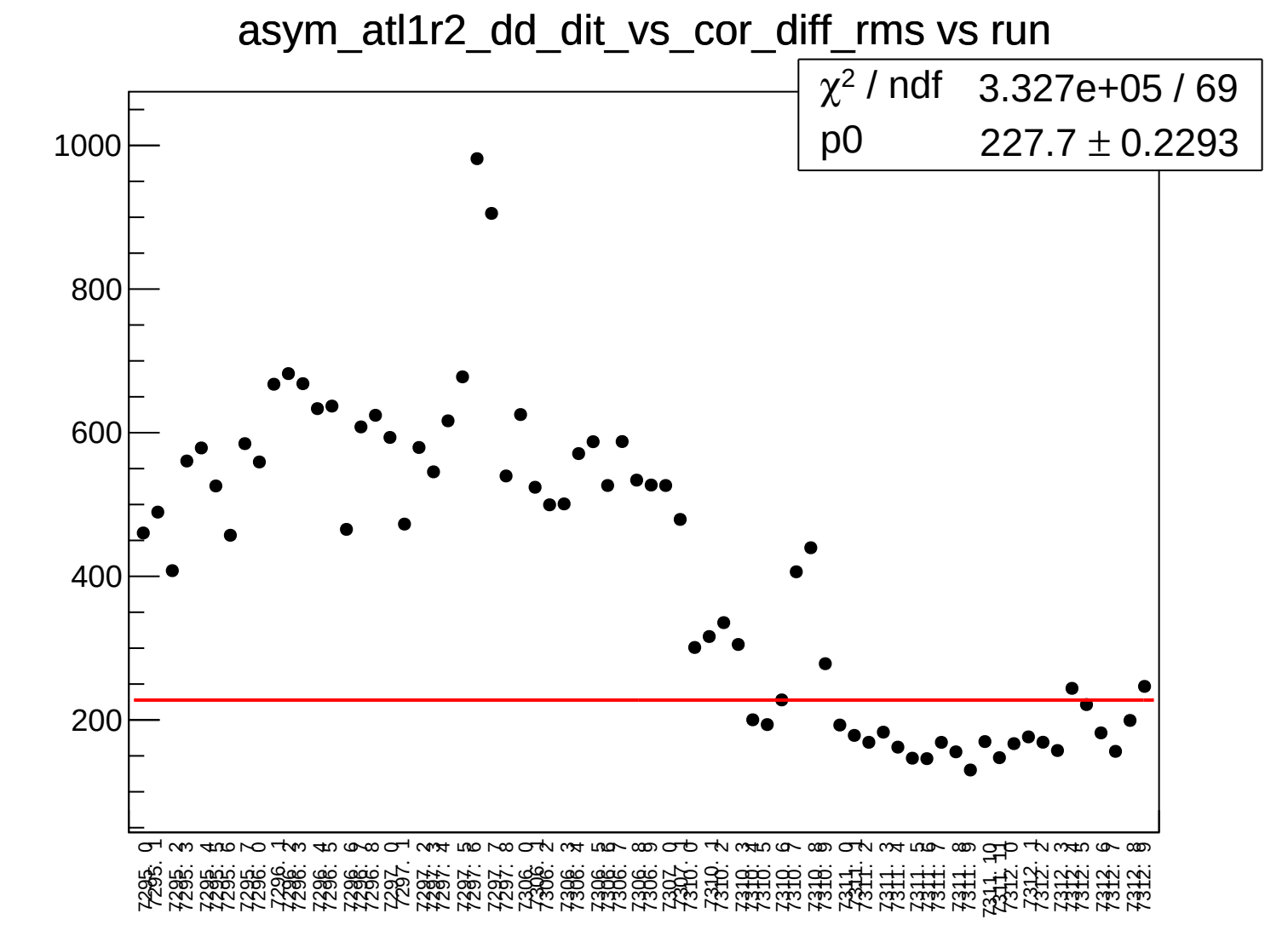

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.84 / 69
p0 5.102e−14 ± 1.292e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean 41.26
Std Dev 24.26
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

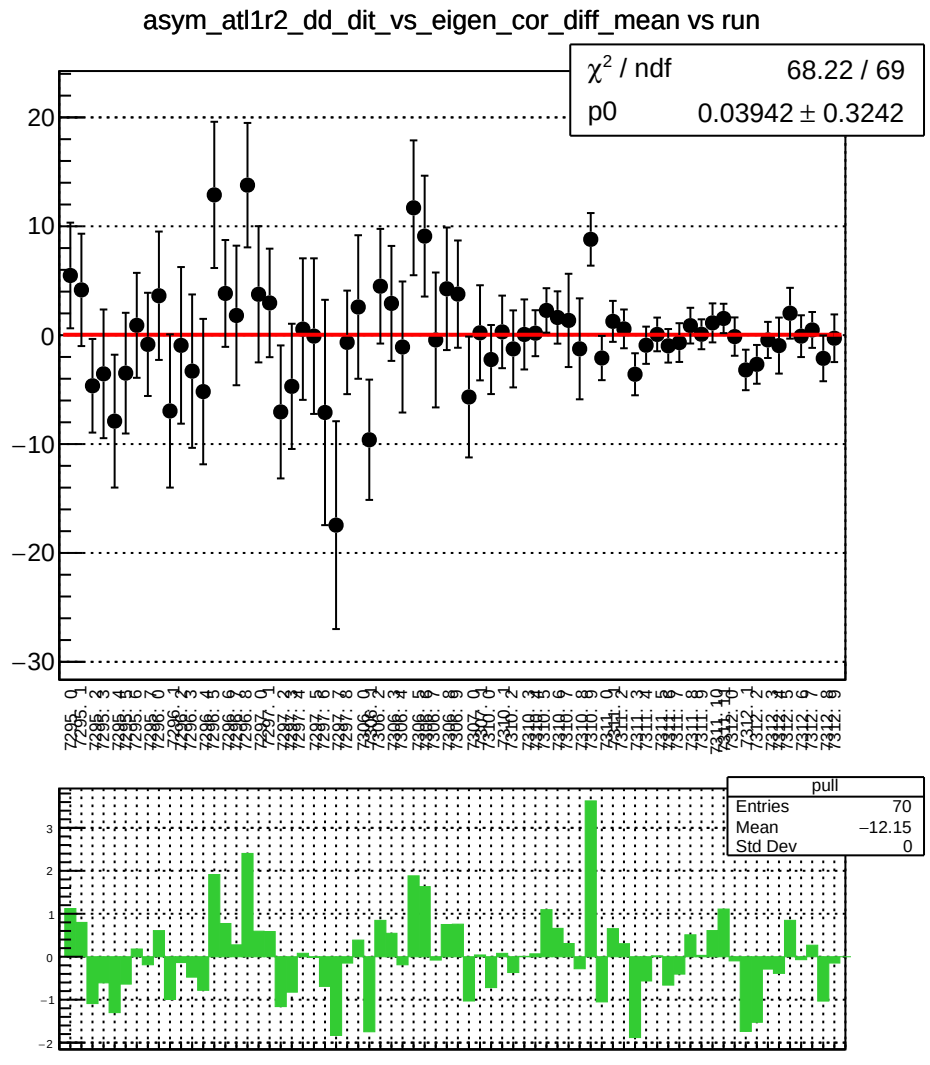

pull1D
Entries 70
Mean −0.1372
Std Dev 0.9143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

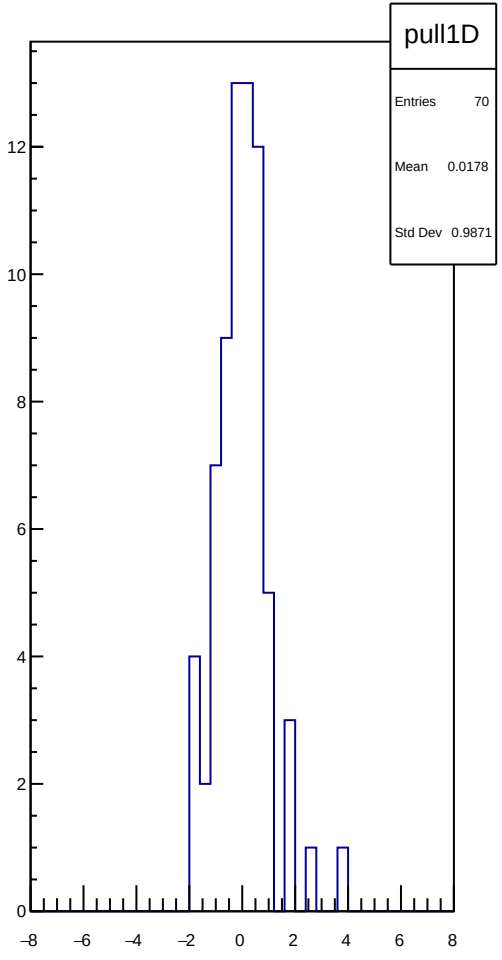

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.832e+05 / 69
p0 6.032e−11 ± 9.138e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

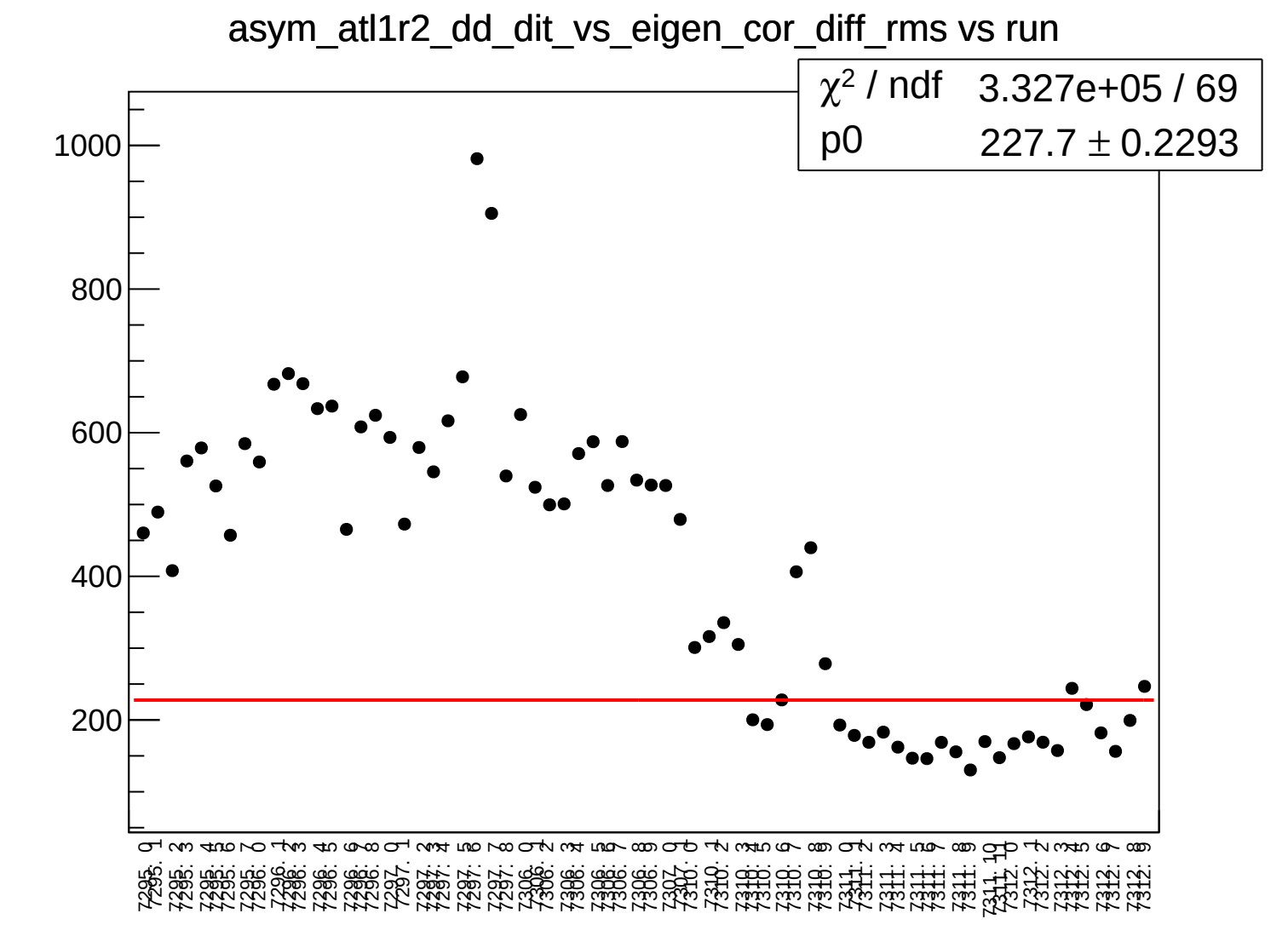

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.22 / 69
p0 0.03942 ± 0.3242
pull
Entries 70
Mean −12.15
Std Dev 0

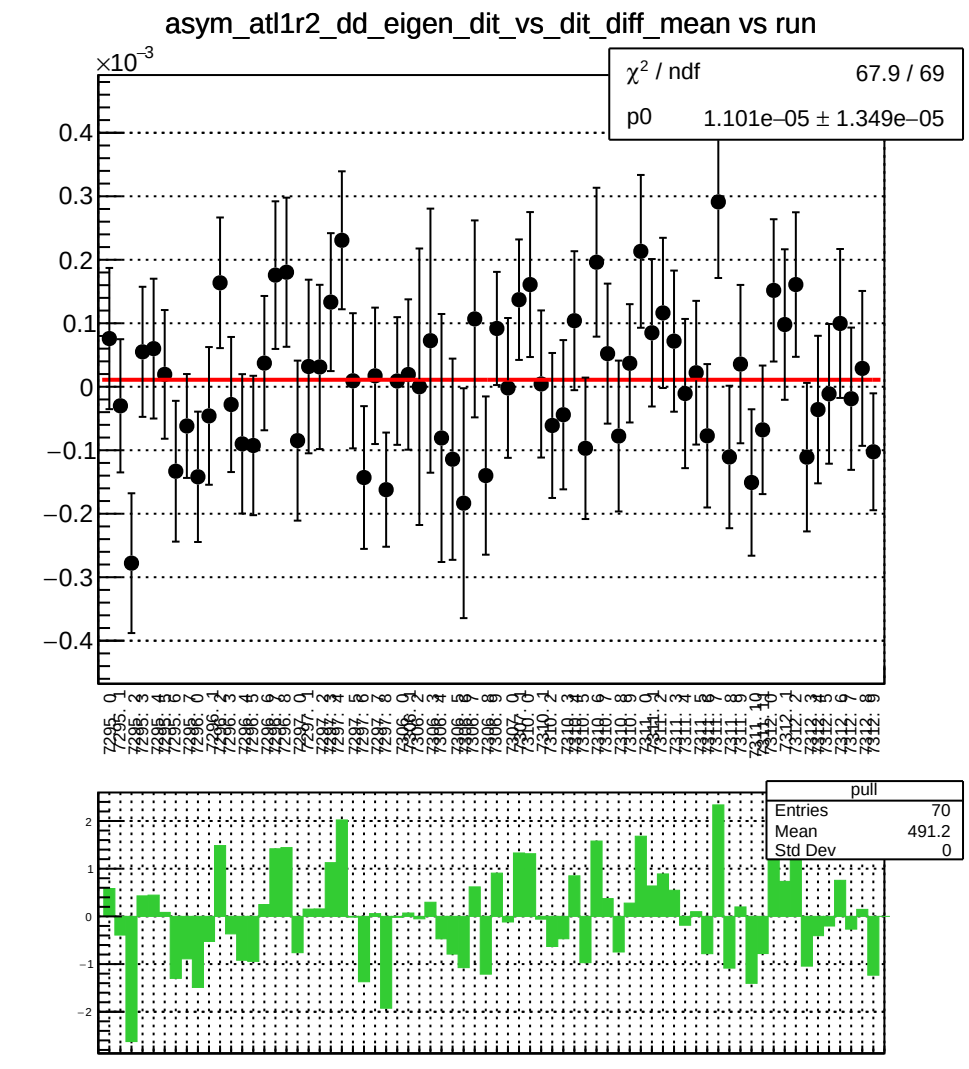

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9871

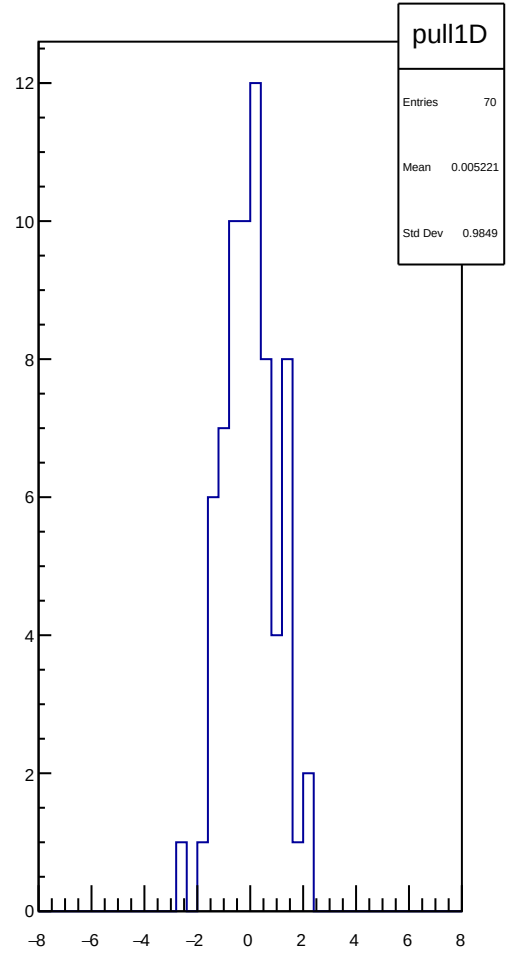

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.327e+05 / 69
p0 227.7 ± 0.2293
1000
800
600
400
200

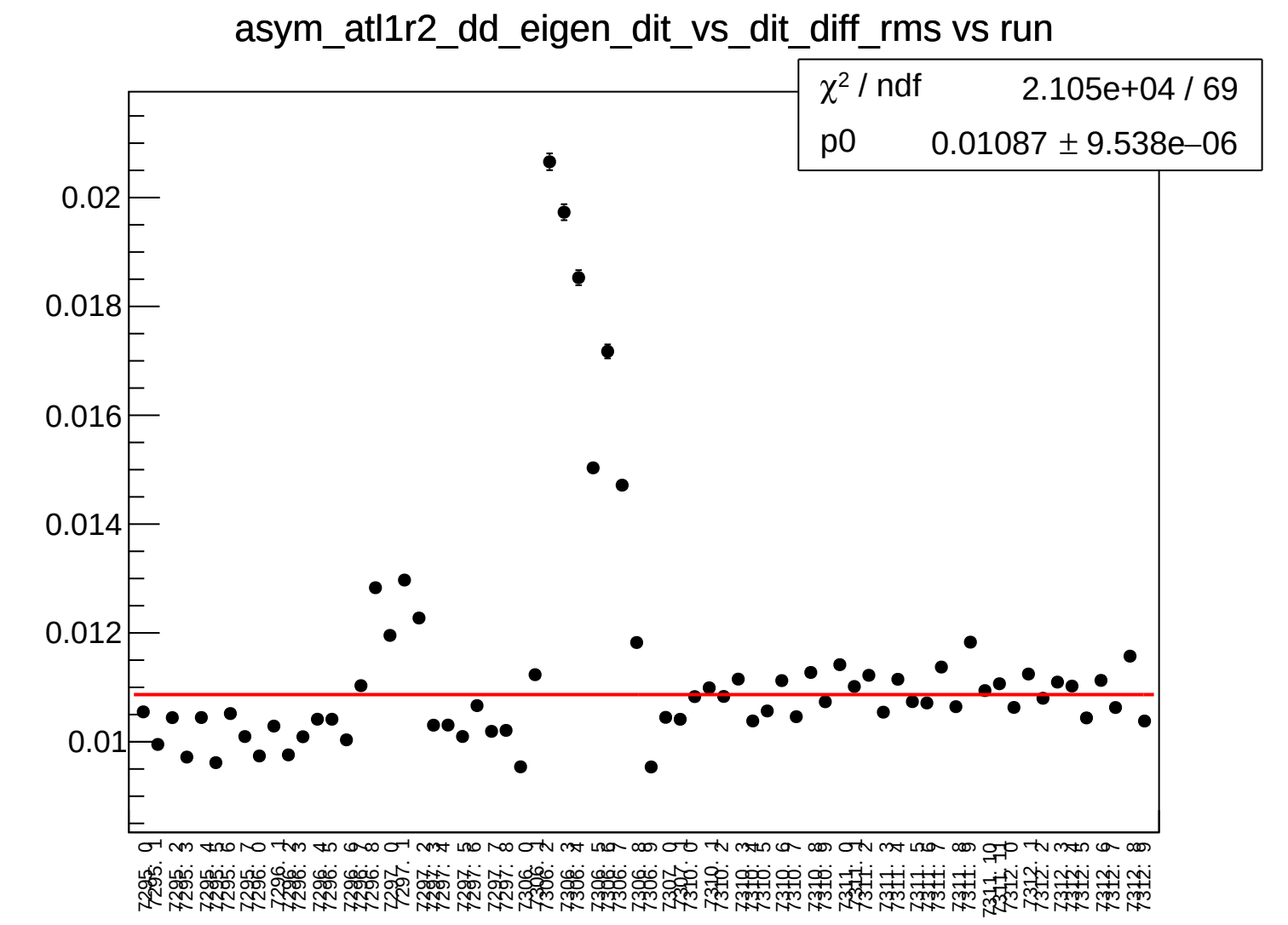

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.22 / 69
p0 0.03942 ± 0.3242
pull
Entries 70
Mean −12.15
Std Dev 0

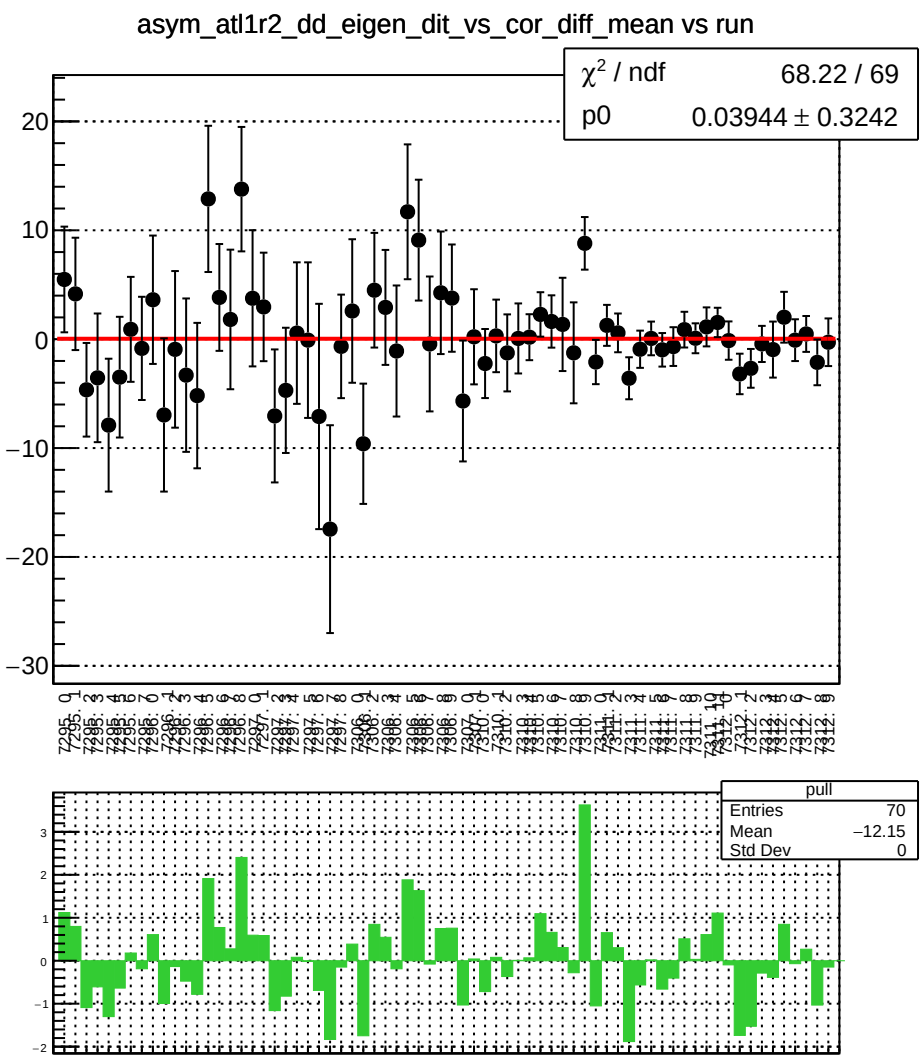

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9871

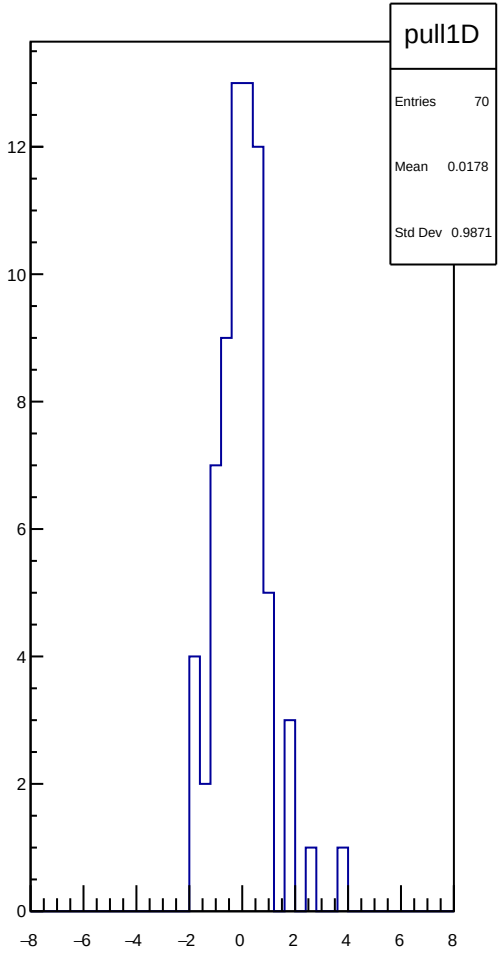

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.327e+05 / 69
p0 227.7 ± 0.2293
1000
800
600
400
200

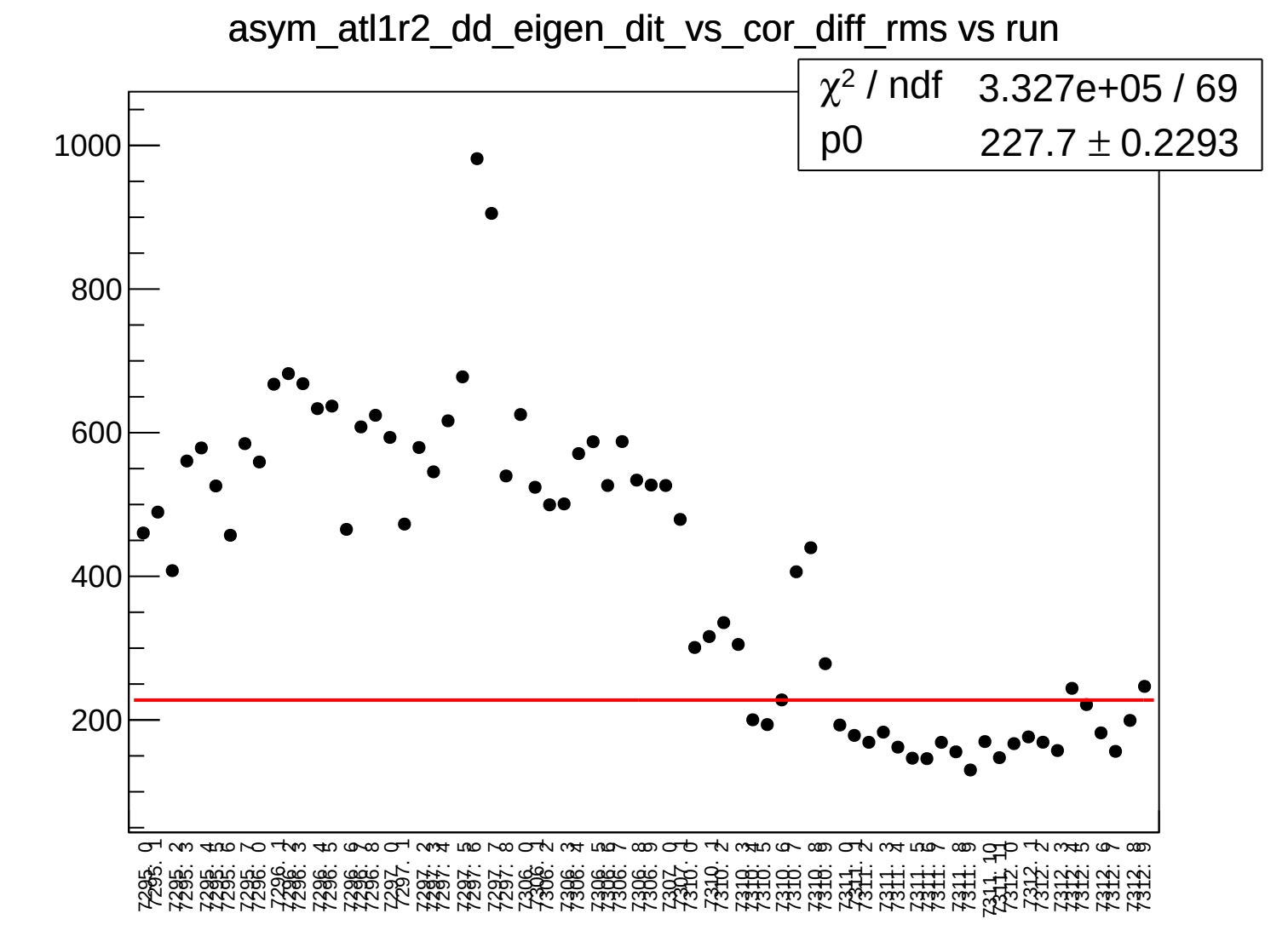

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.9 / 69
p0 1.101e−05 ± 1.349e−05
pull
Entries 70
Mean 491.2
Std Dev 0

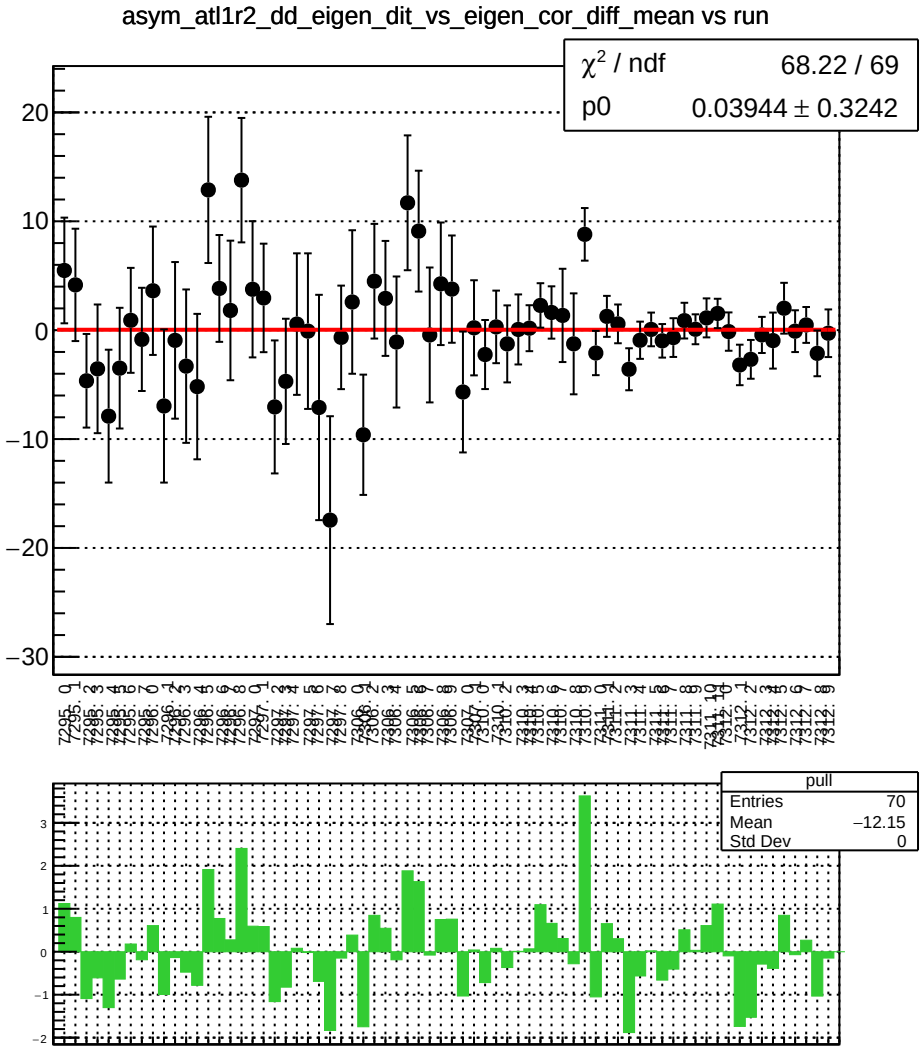

pull1D
Entries 70
Mean 0.005221
Std Dev 0.9849

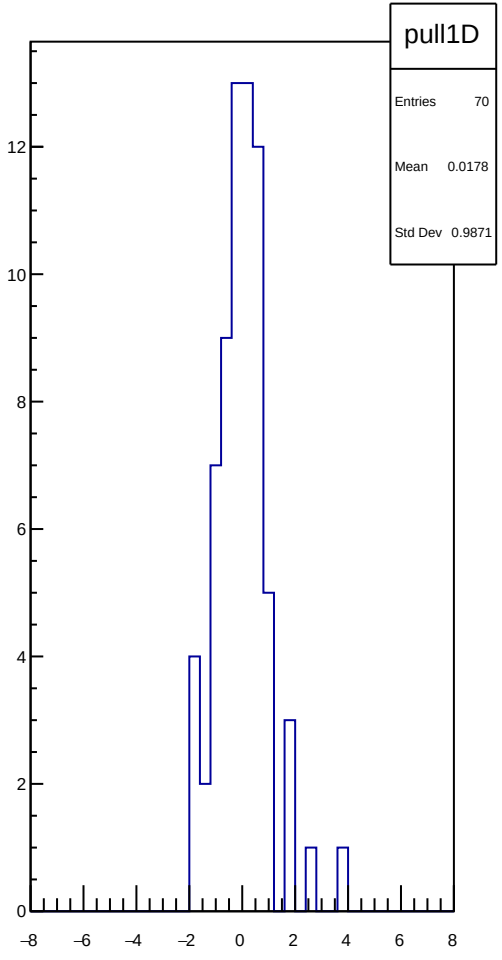

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.105e+04 / 69
p0 0.01087 ± 9.538e−06
0.02
0.018
0.016
0.014
0.012
0.01

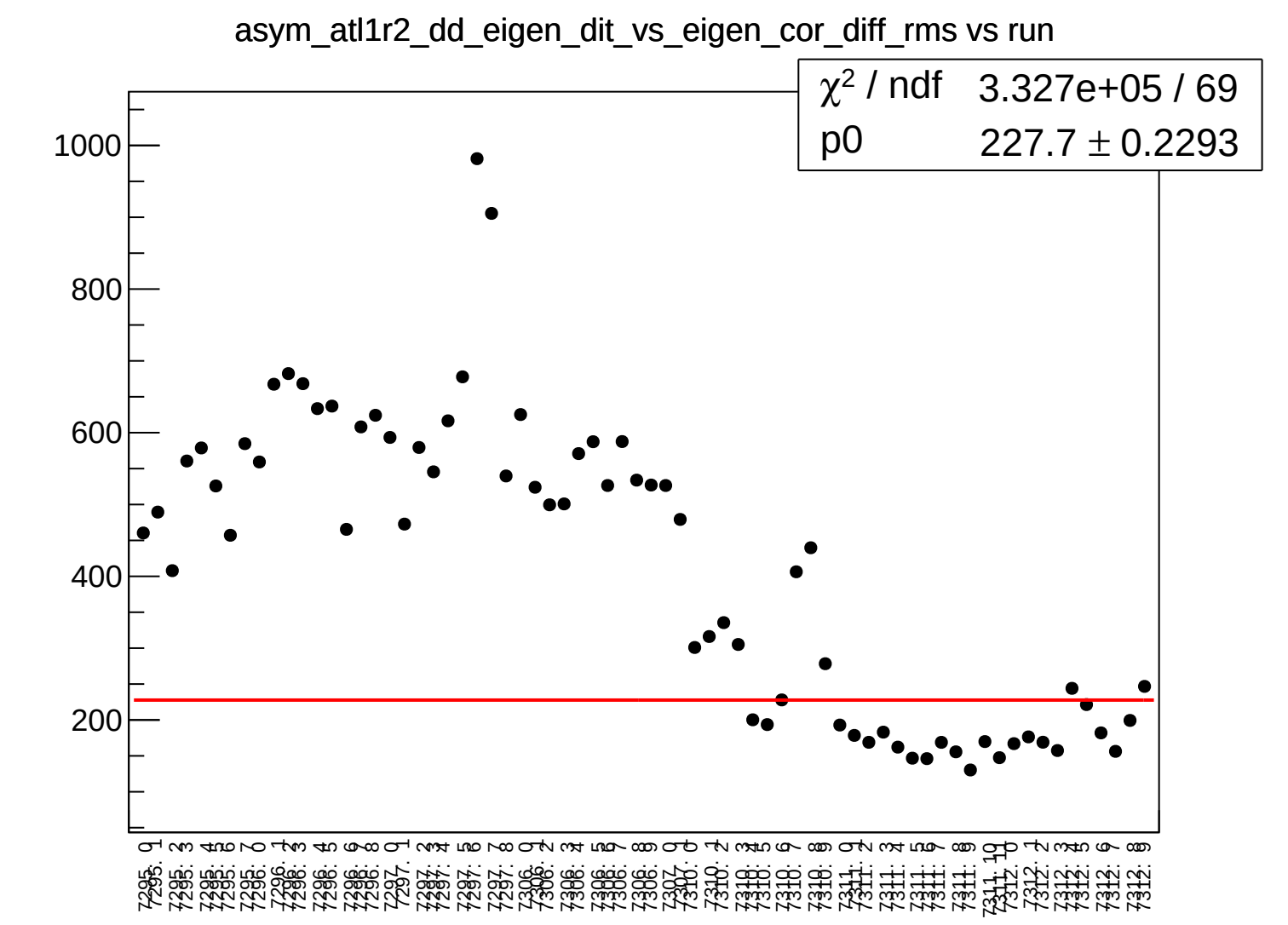

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.22 / 69
p0 0.03944 ± 0.3242
pull
Entries 70
Mean −12.15
Std Dev 0

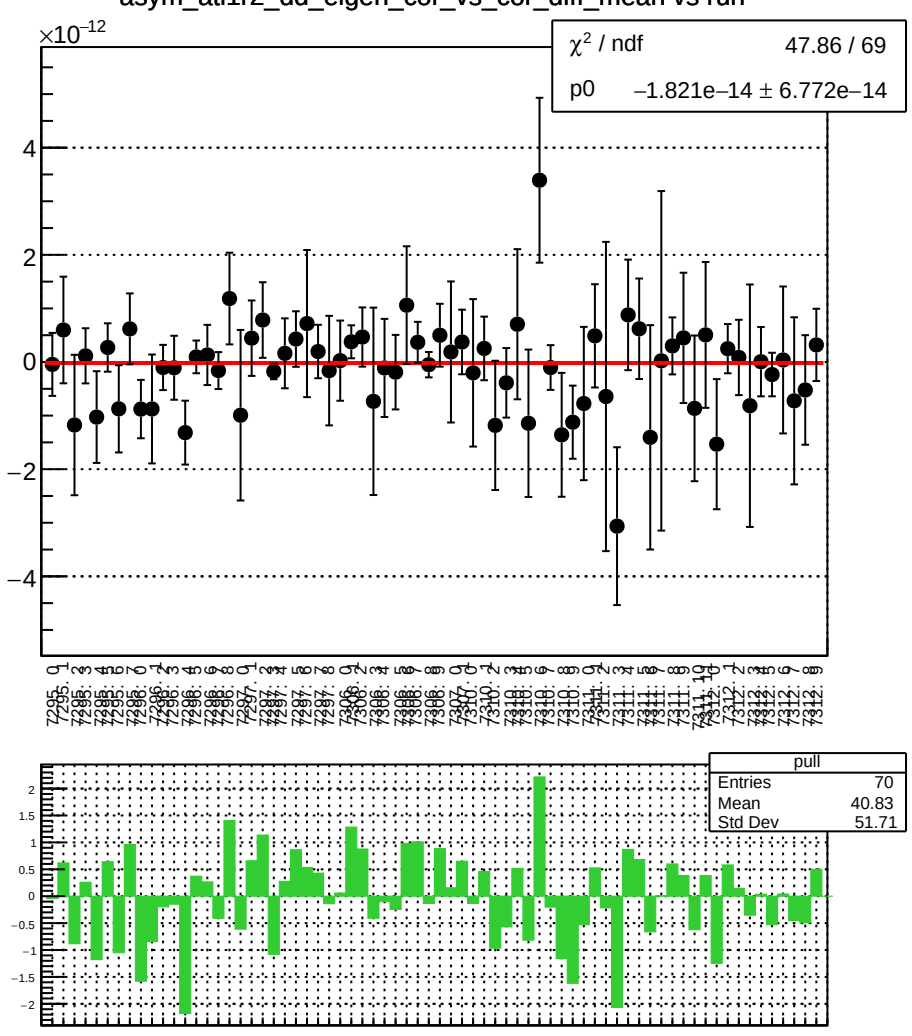

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9871

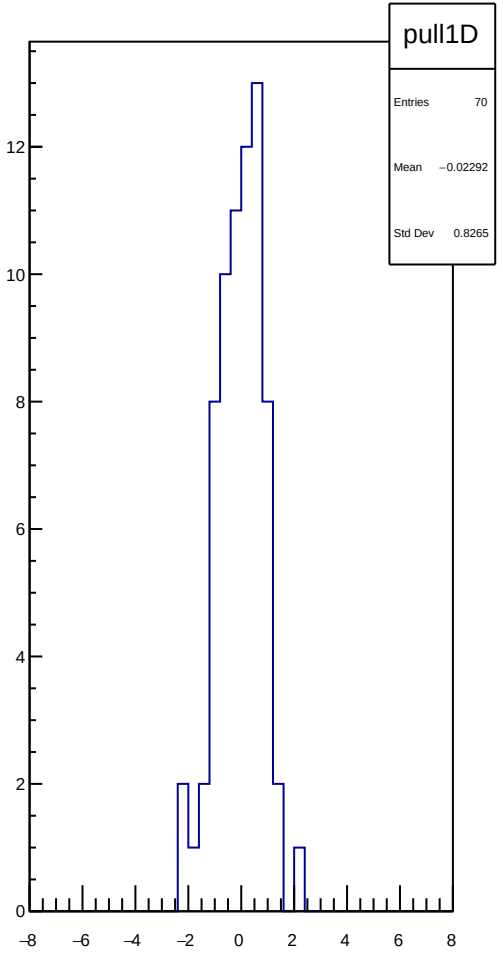

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.327e+05 / 69
p0 227.7 ± 0.2293
1000
800
600
400
200

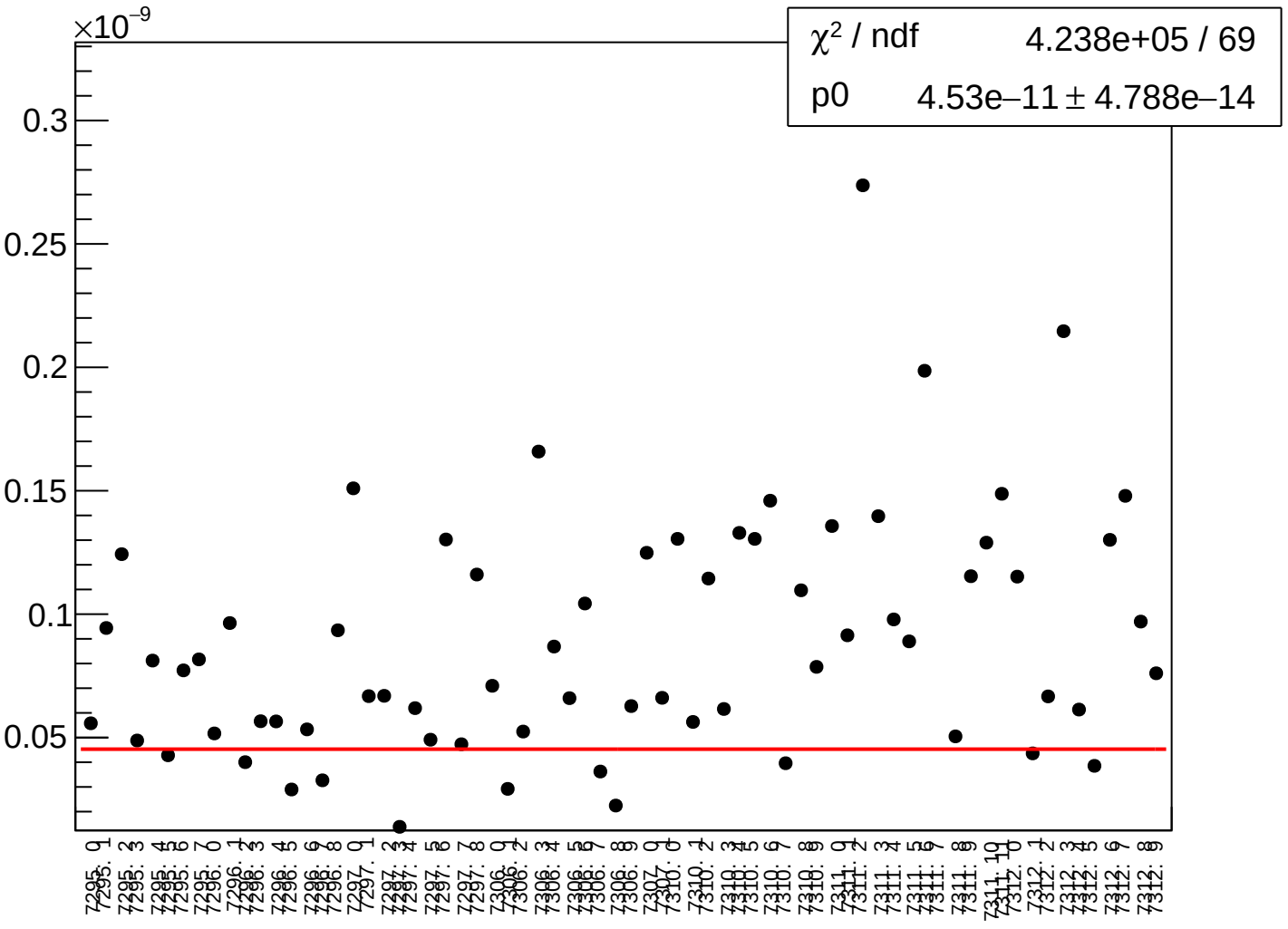

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.22 / 69
p0 0.03944 ± 0.3242
pull
Entries 70
Mean −12.15
Std Dev 0

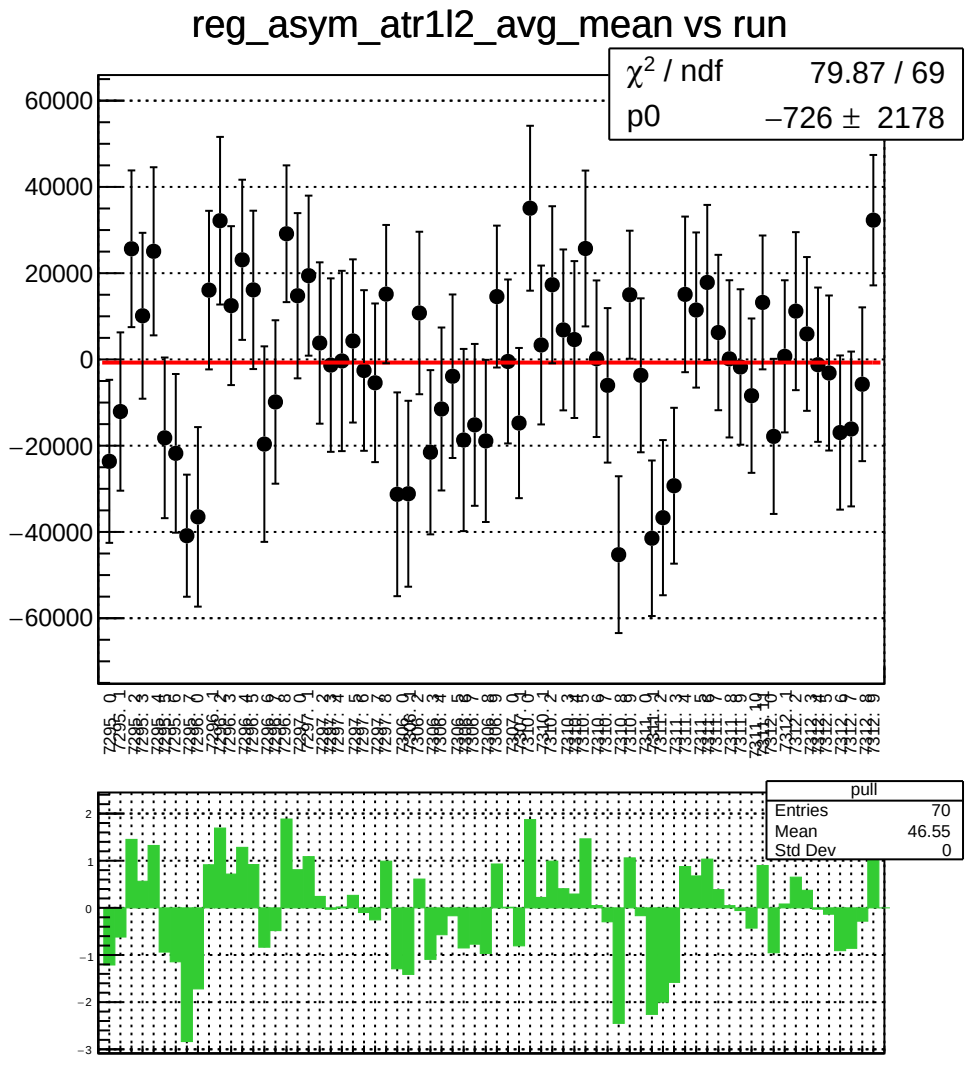

pull1D
Entries 70
Mean 0.0178
Std Dev 0.9871

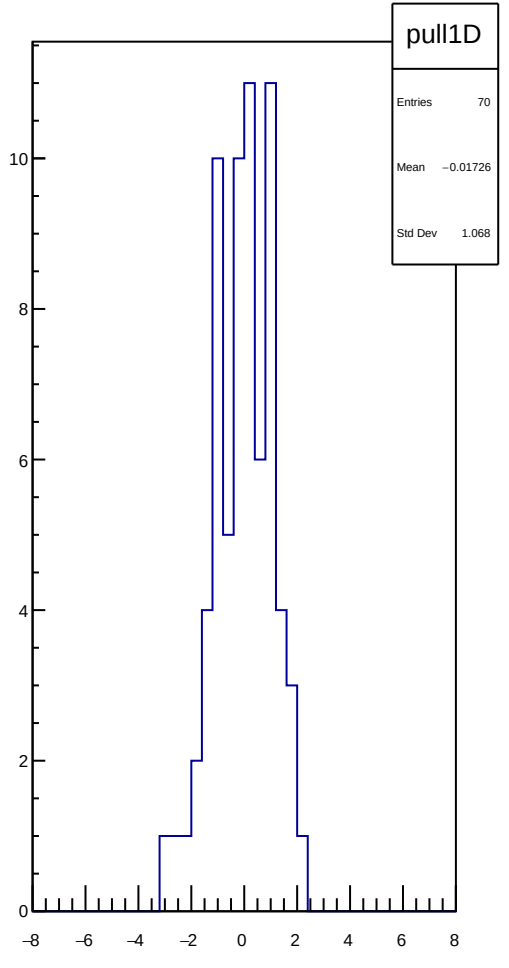

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.327e+05 / 69
p0 227.7 ± 0.2293
1000
800
600
400
200

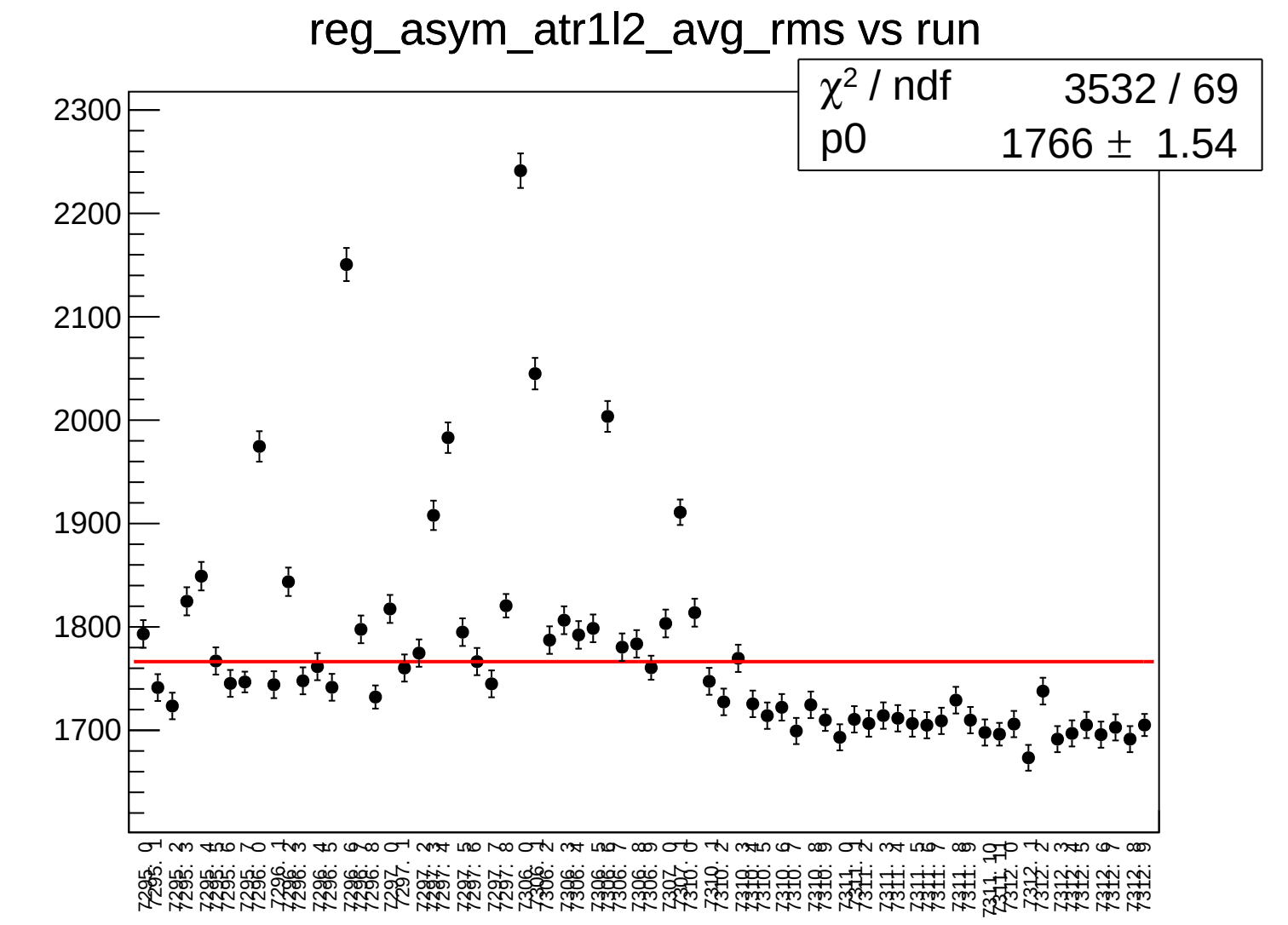

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.86 / 69
p0 −1.821e−14 ± 6.772e−14
pull
Entries 70
Mean 40.83
Std Dev 51.71

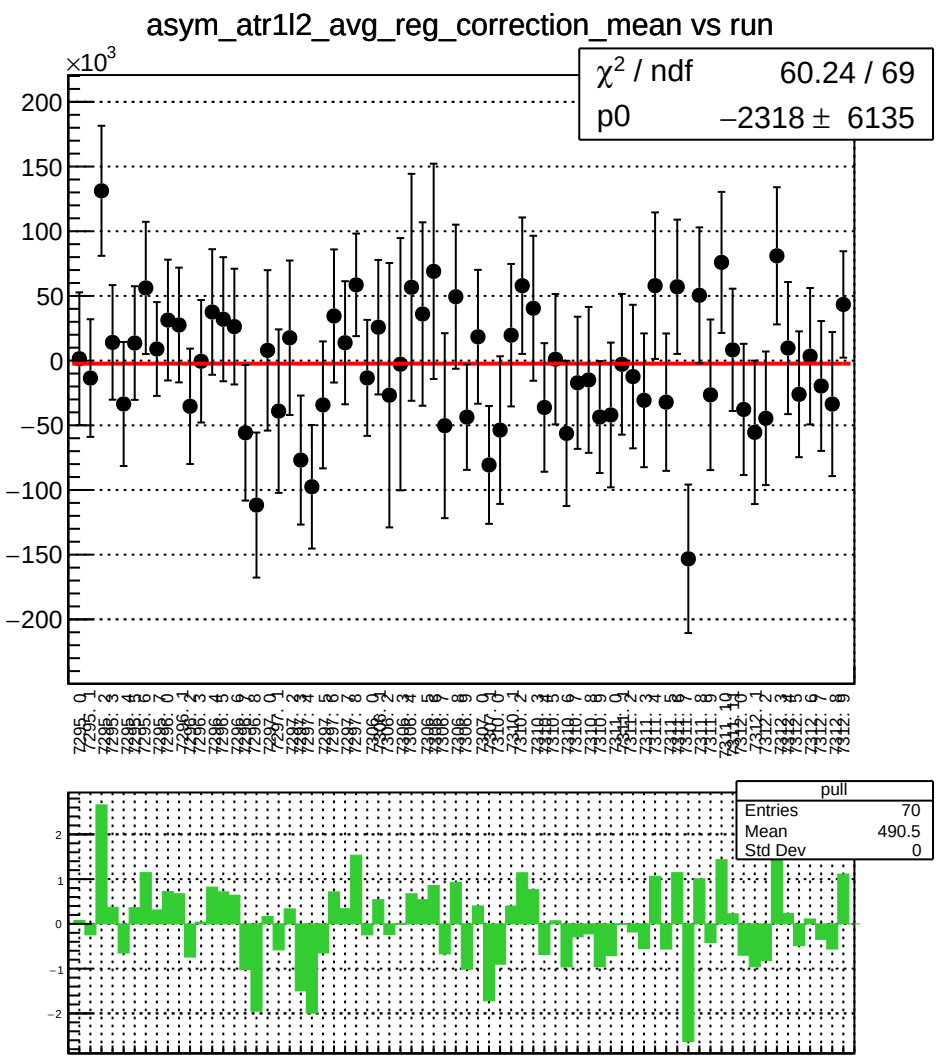

pull1D
Entries 70
Mean −0.02292
Std Dev 0.8265

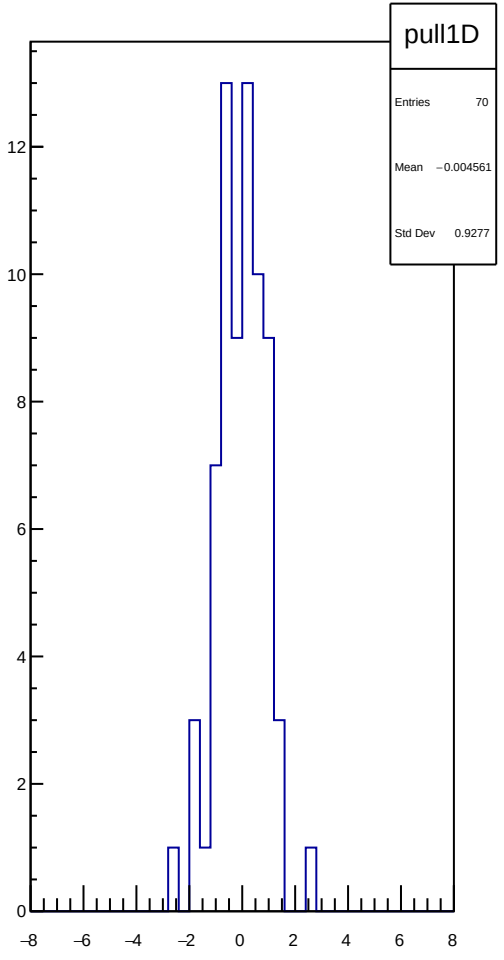

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.238e+05 / 69
p0 4.53e−11 ± 4.788e−14
0.3
0.25
0.2
0.15
0.1
0.05

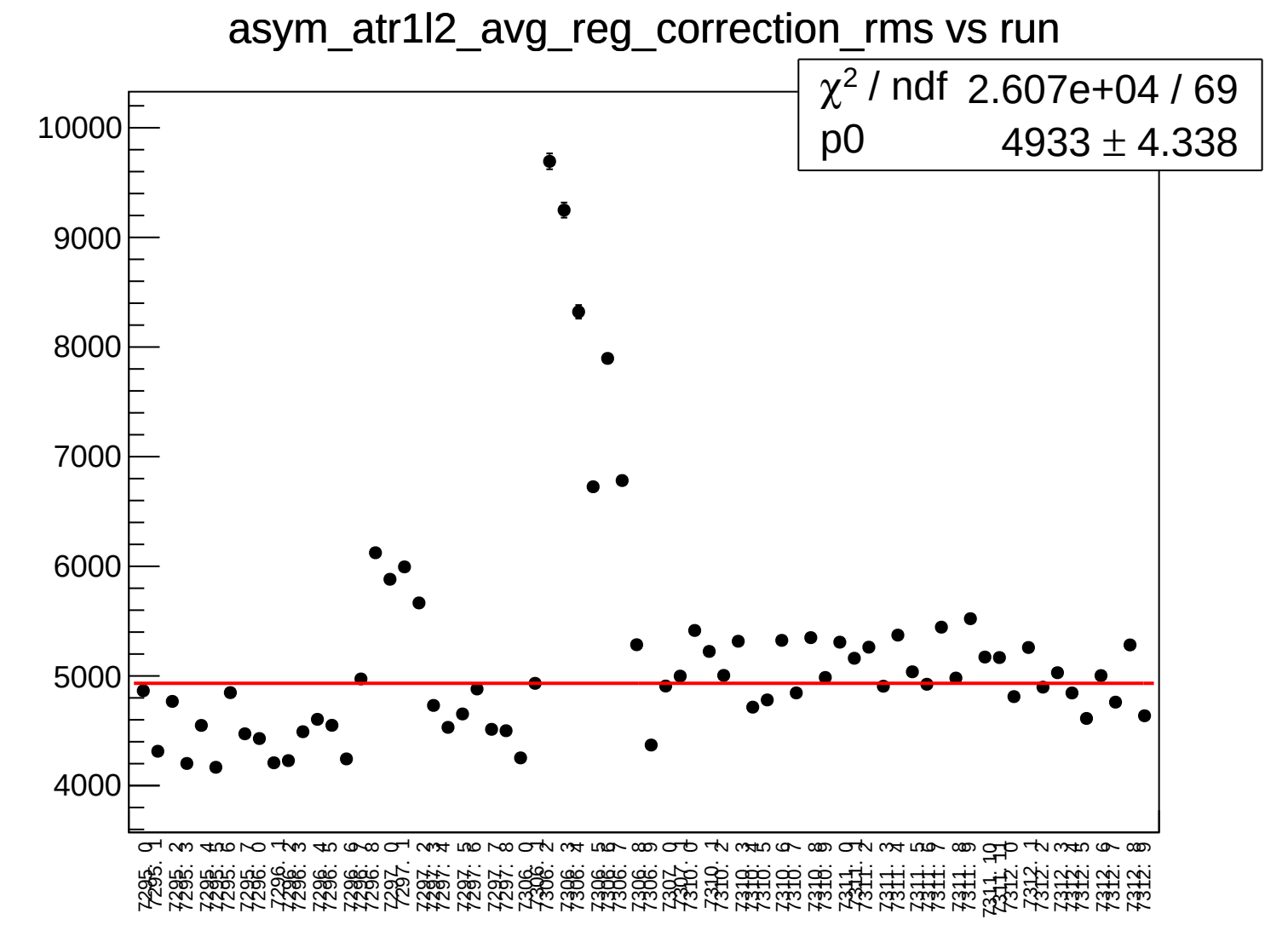

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 79.87 / 69
p0 −726 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 46.55
Std Dev 0
2
1
0
−1
−2
−3

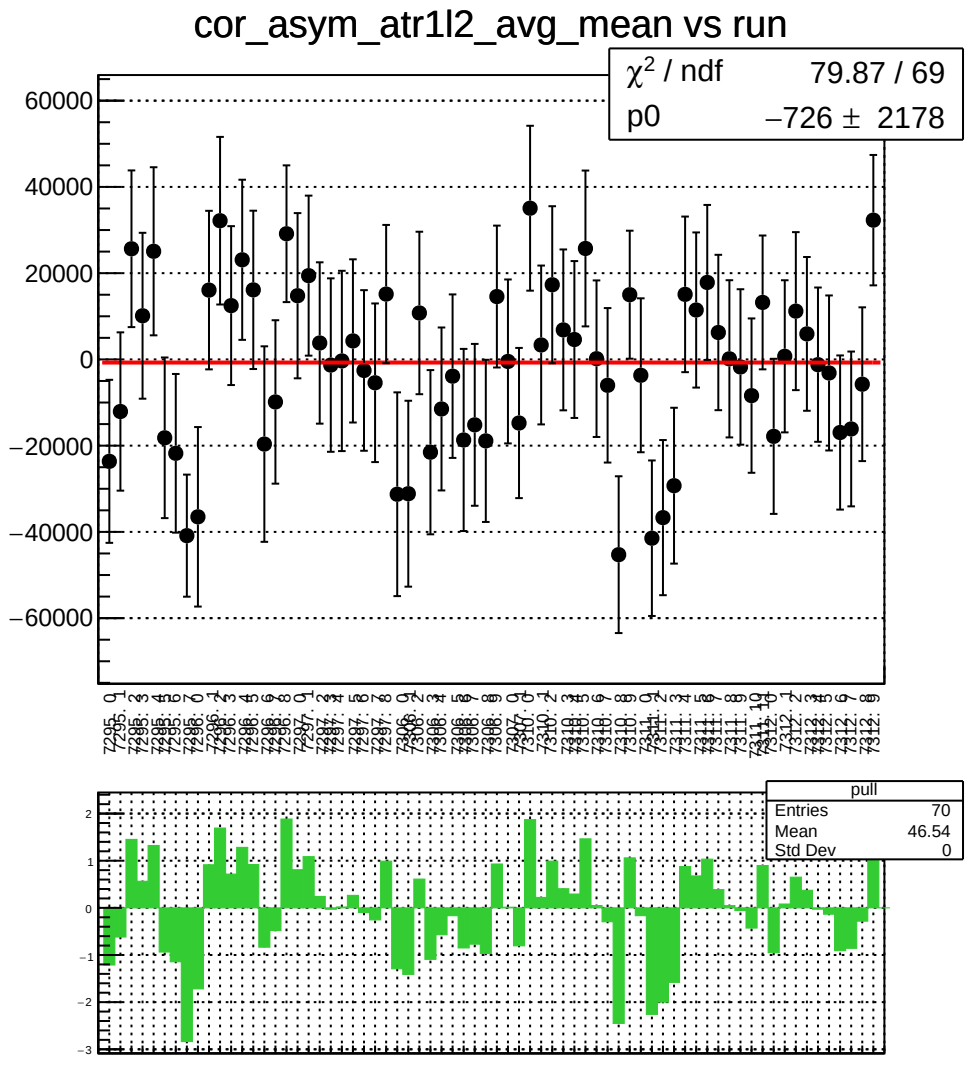

pull1D
Entries 70
Mean −0.01726
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

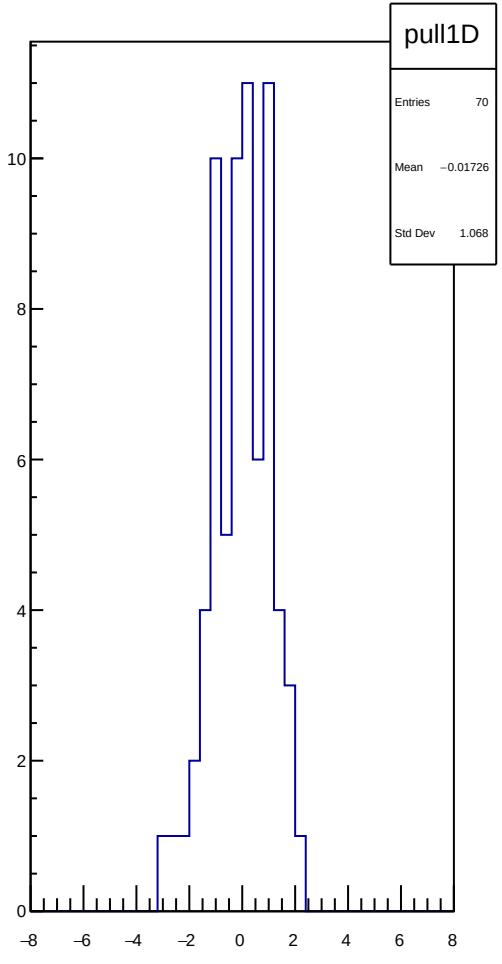

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 3532 / 69
p0 1766 ± 1.54
2300
2200
2100
2000
1900
1800
1700

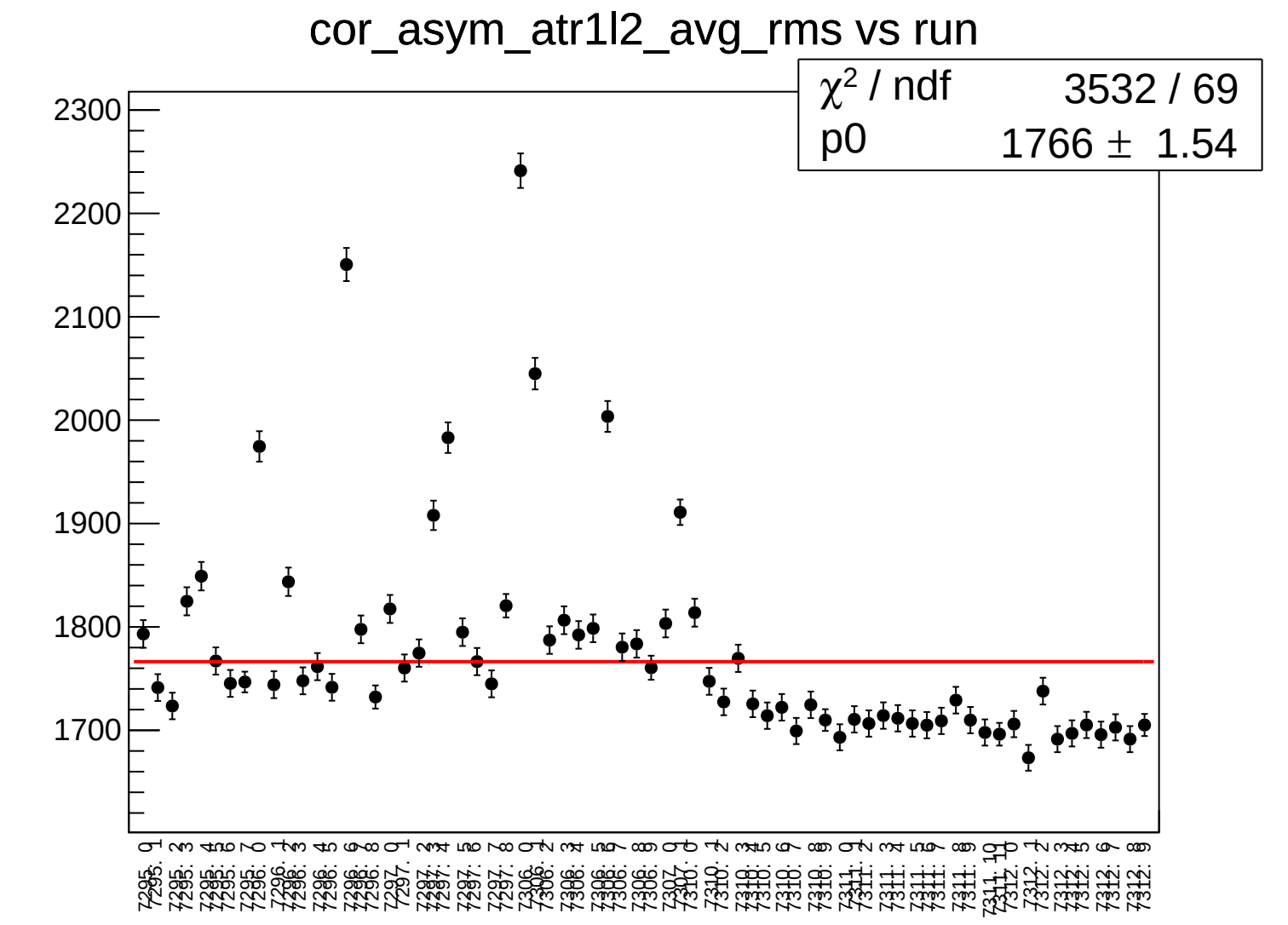

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 60.24 / 69
p0 −2318 ± 6135
pull
Entries 70
Mean 490.5
Std Dev 0

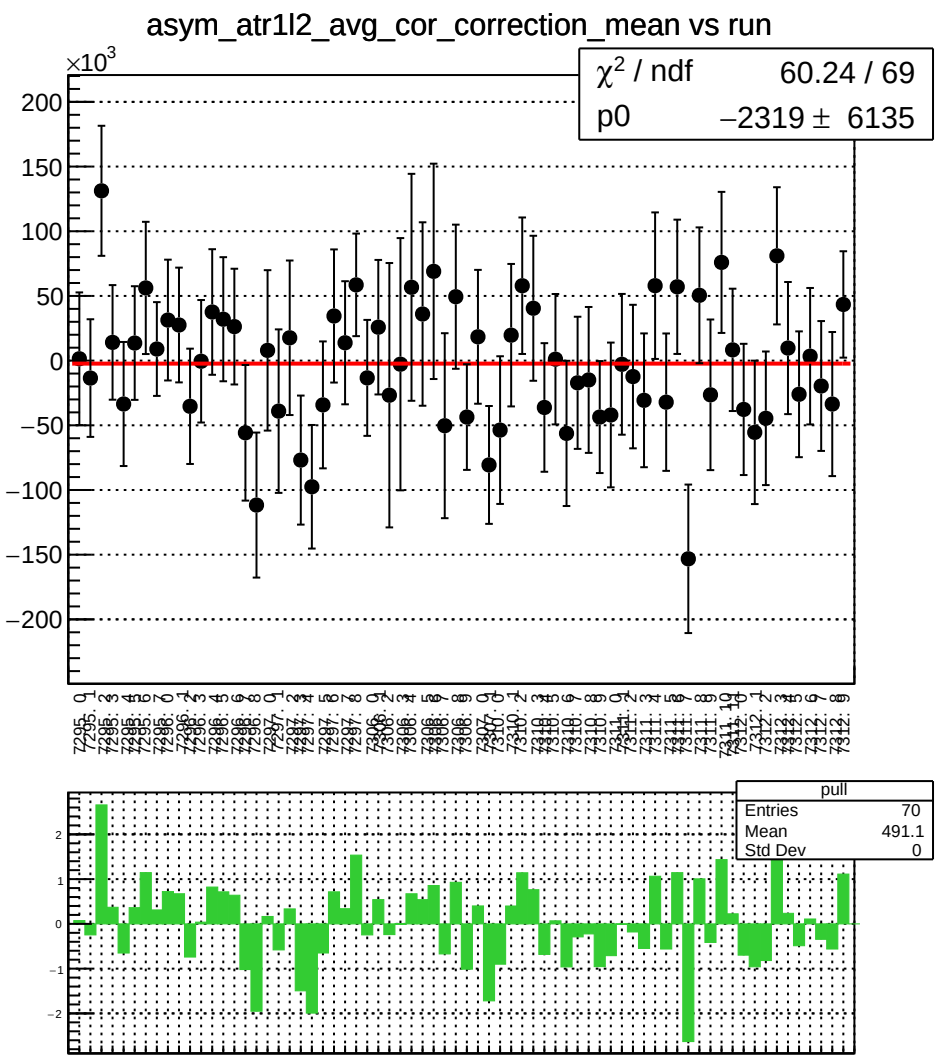

pull1D
Entries 70
Mean −0.004561
Std Dev 0.9277

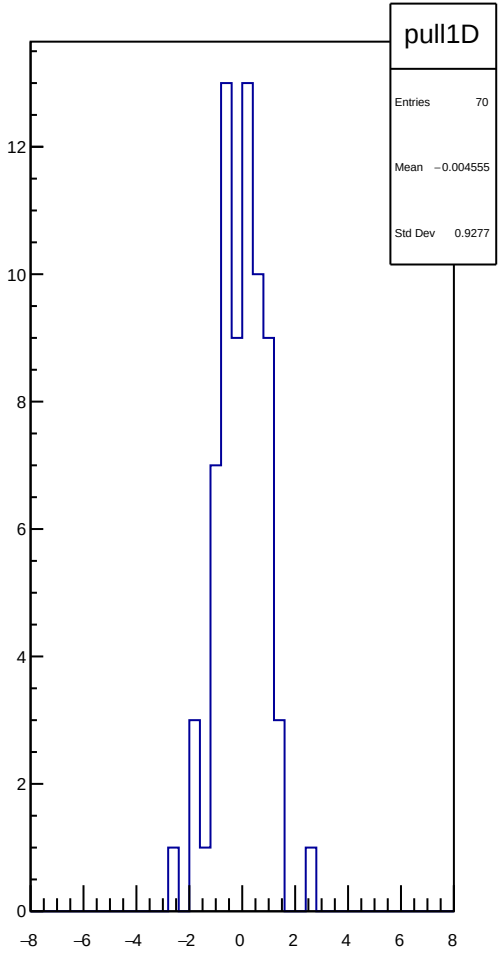

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2.607e+04 / 69
p0 4933 ± 4.338
10000
9000
8000
7000
6000
5000
4000

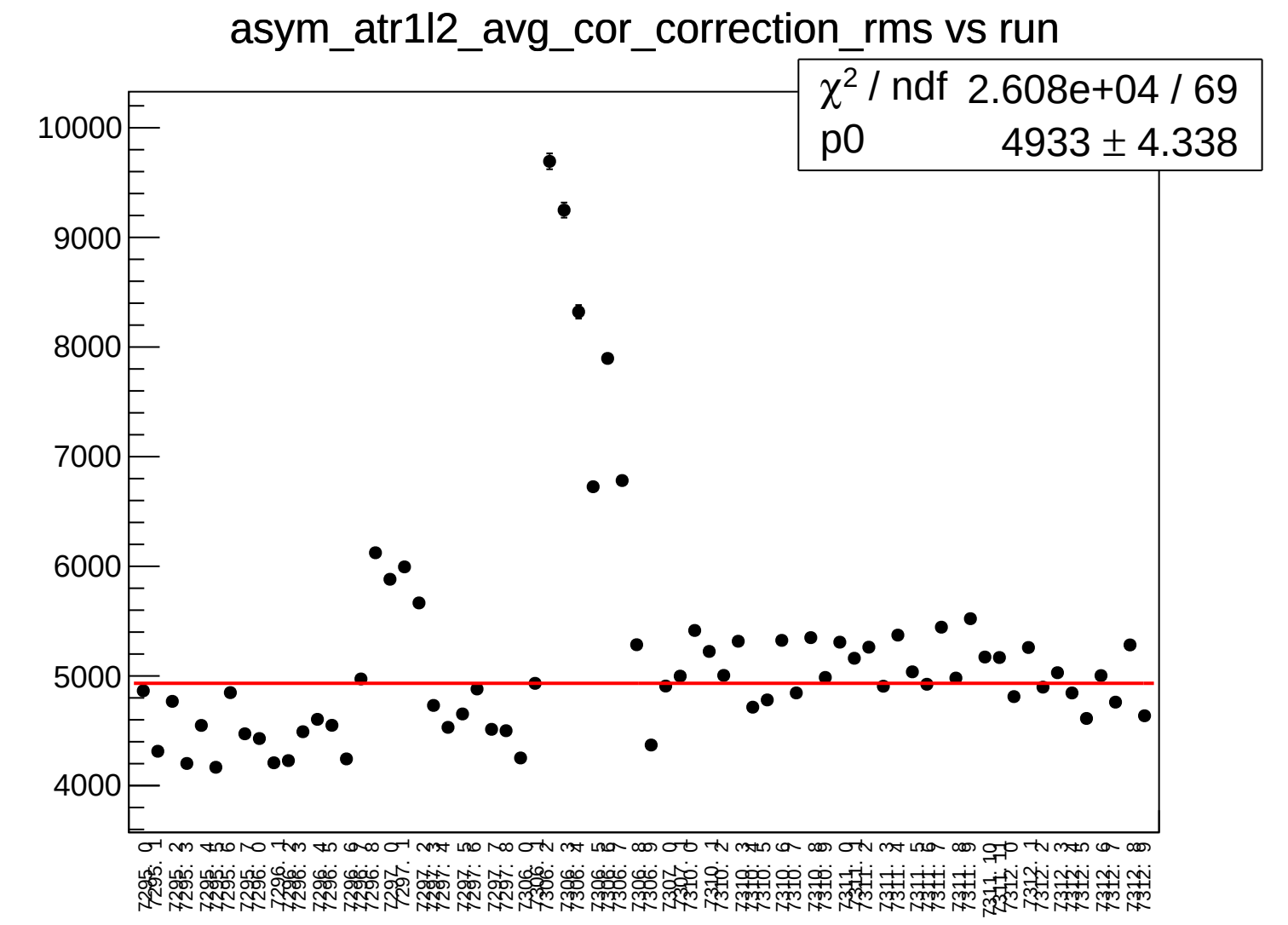

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 79.87 / 69
p0 −726 ± 2178
pull
Entries 70
Mean 46.54
Std Dev 0

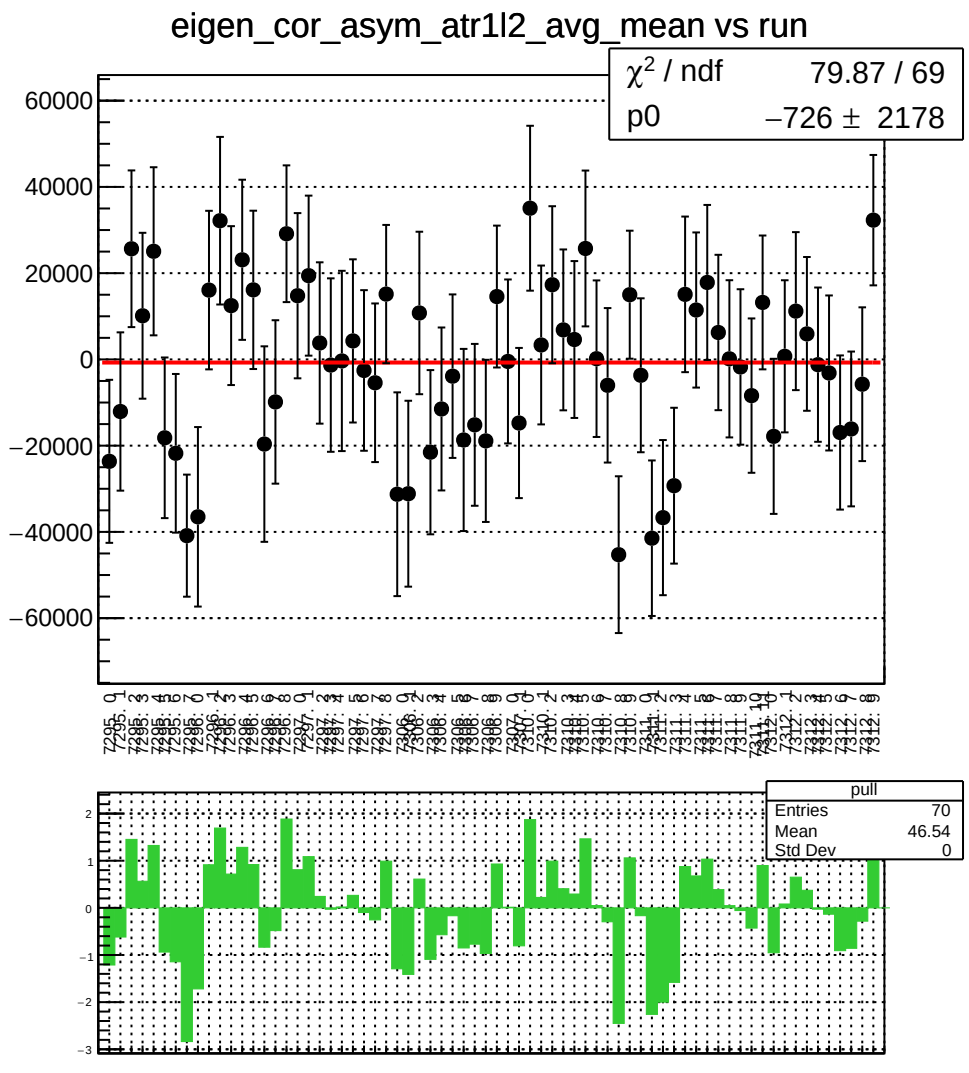

pull1D
Entries 70
Mean −0.01726
Std Dev 1.068

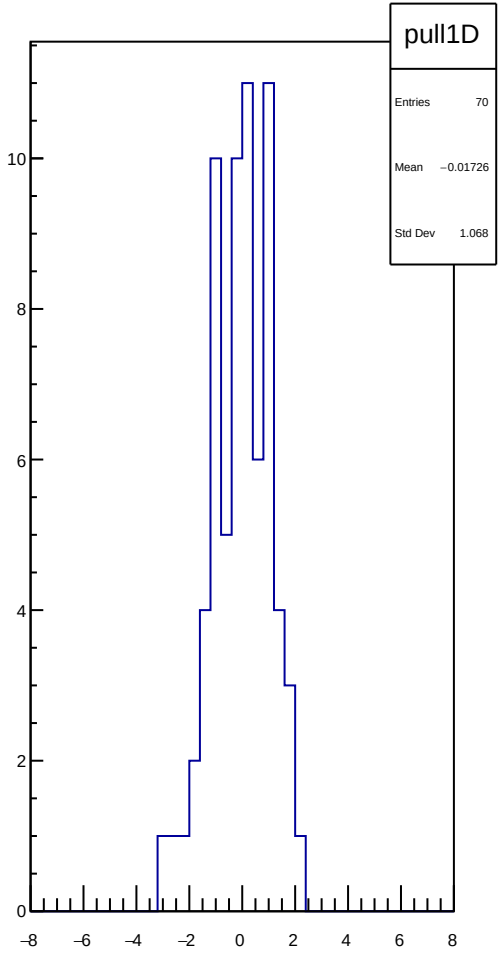

cor_asym_atr1l2_avg_rms vs run
χ^2 / ndf 3532 / 69
p0 1766 ± 1.54
2300
2200
2100
2000
1900
1800
1700

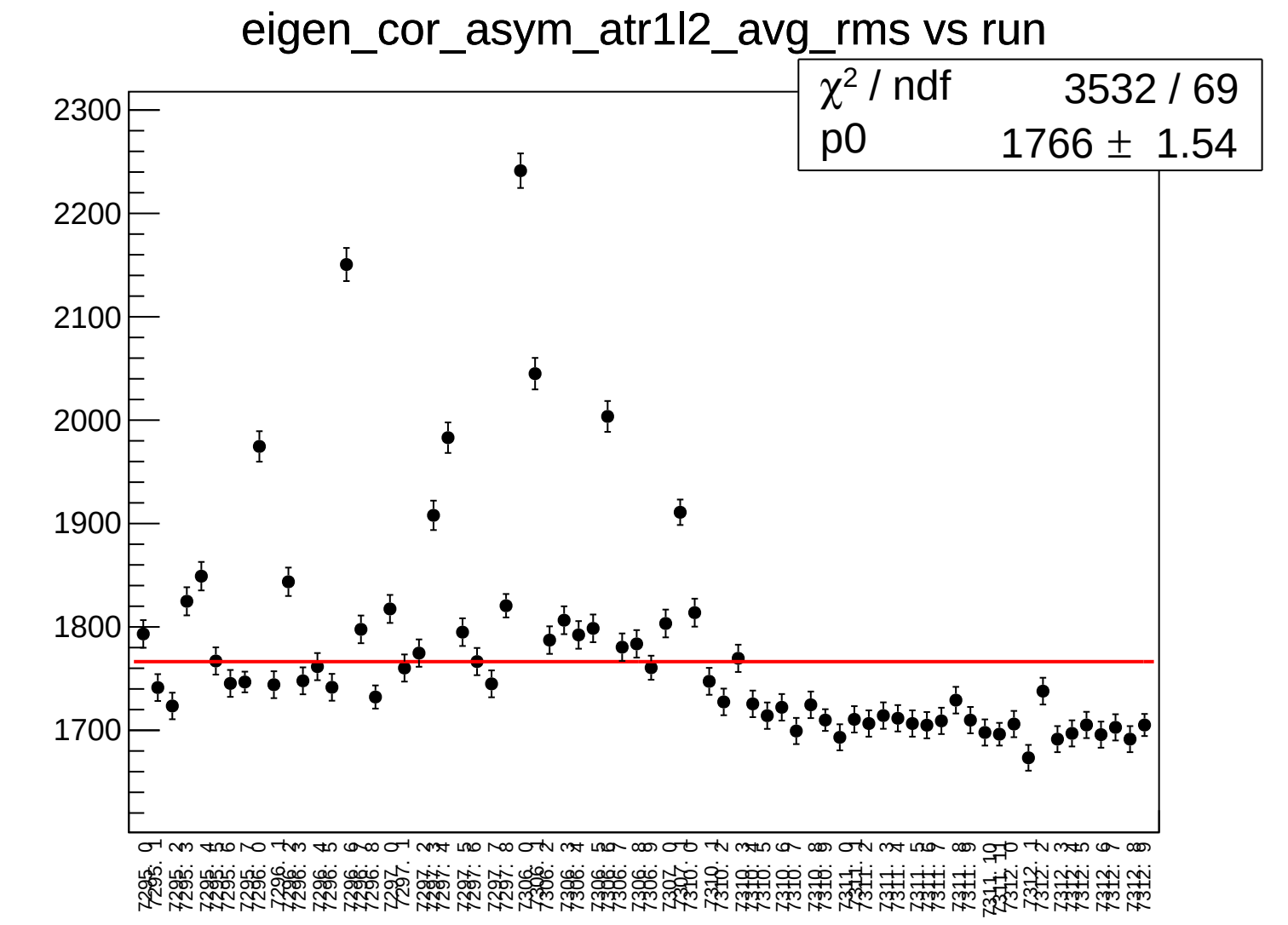

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 60.24 / 69
p0 −2319 ± 6135
pull
Entries 70
Mean 491.1
Std Dev 0

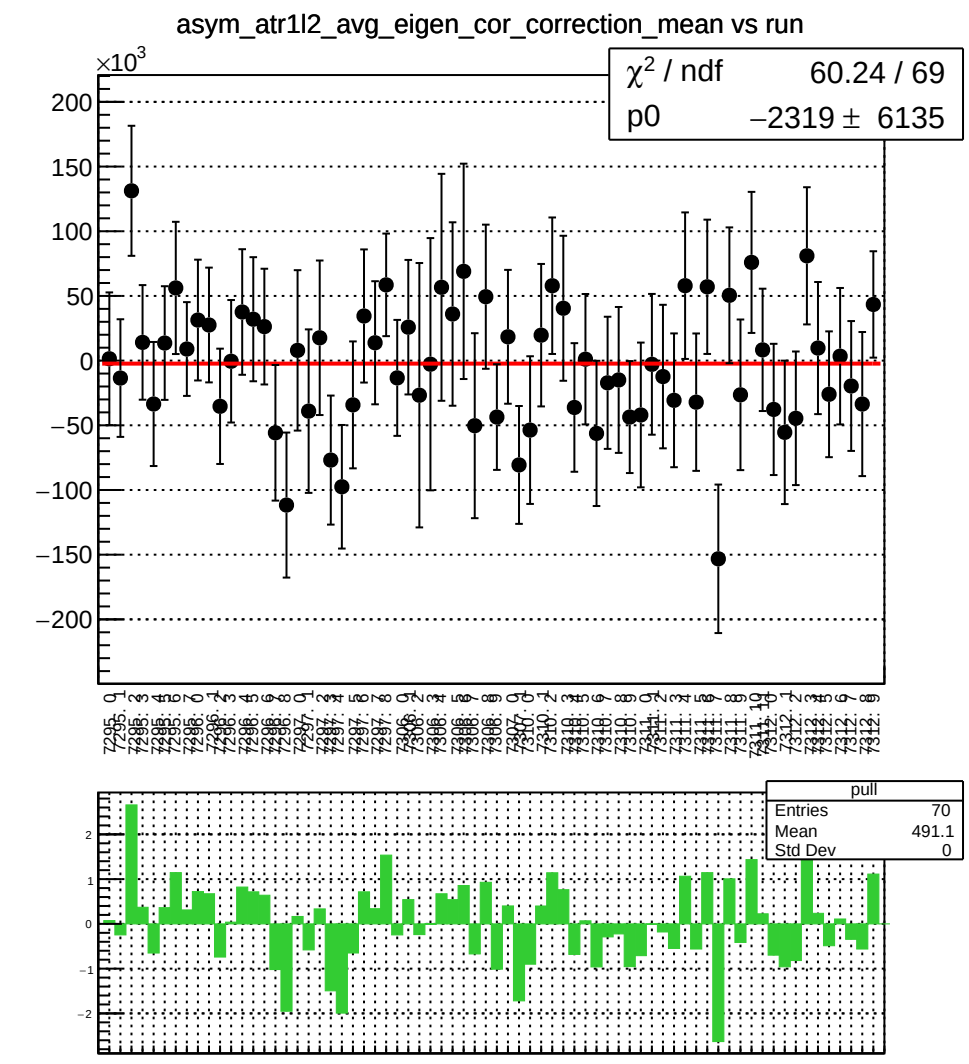

pull1D
Entries 70
Mean −0.004555
Std Dev 0.9277

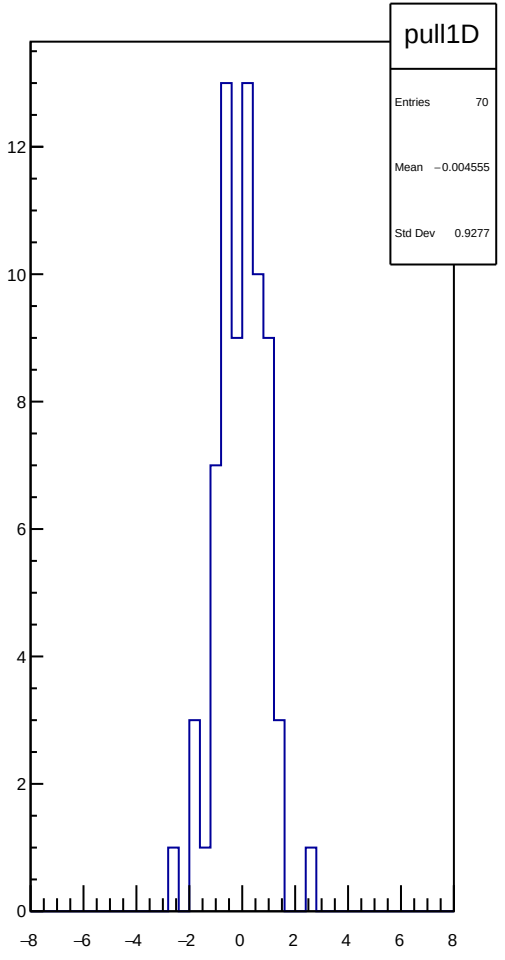

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2.608e+04 / 69
p0 4933 ± 4.338
10000
9000
8000
7000
6000
5000
4000

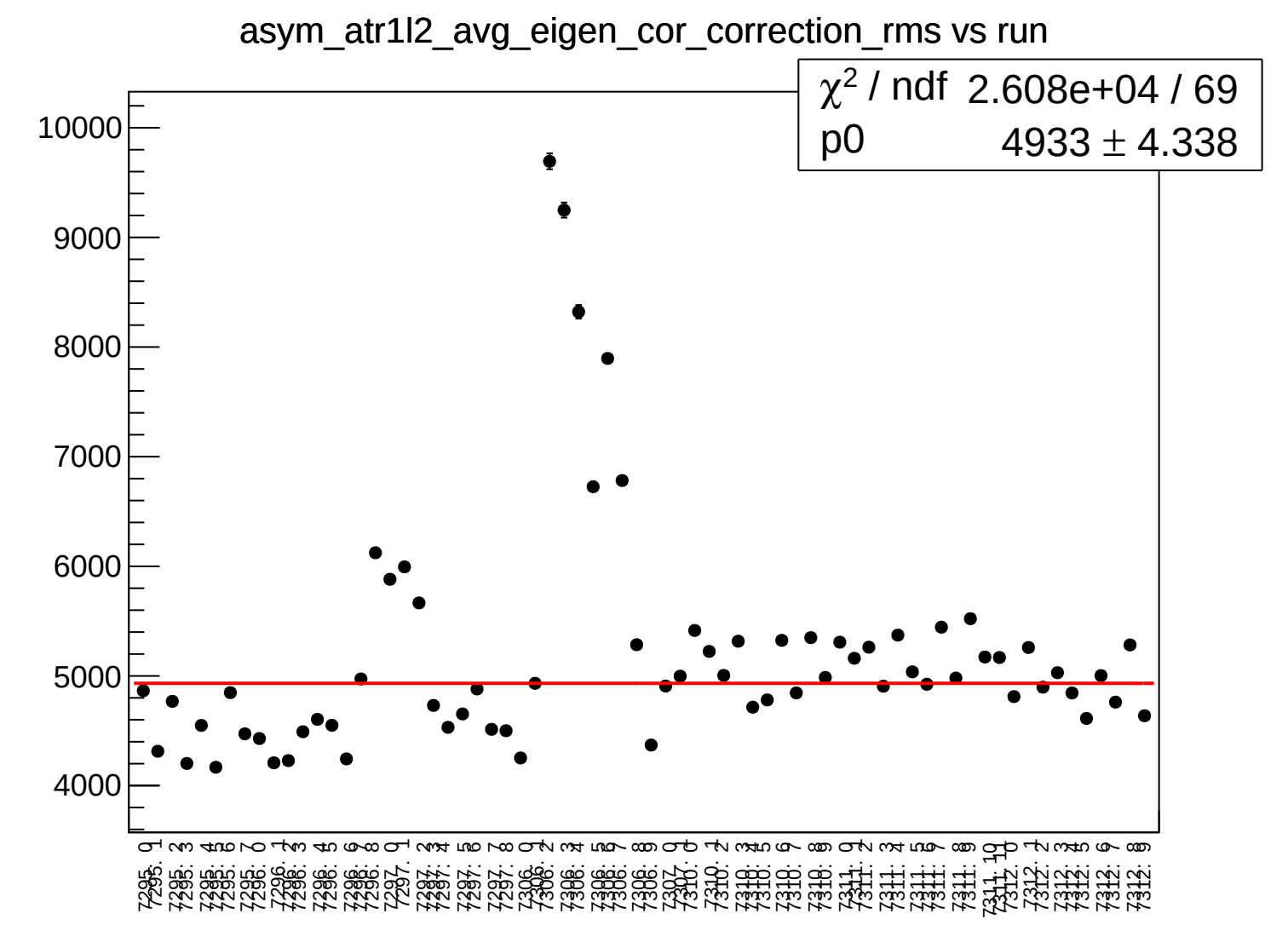

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 79.87 / 69
p0 −726 ± 2178
pull
Entries 70
Mean 46.54
Std Dev 0

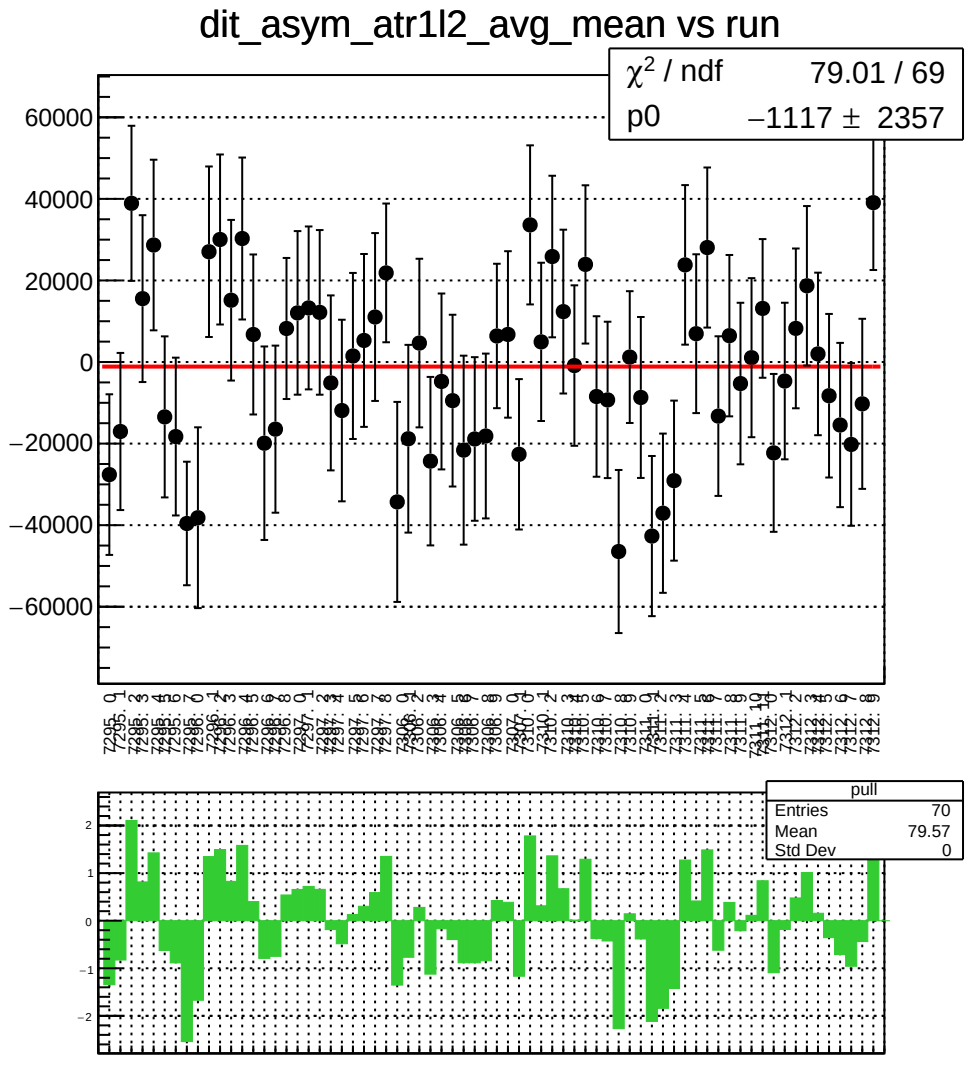

pull1D
Entries 70
Mean −0.01726
Std Dev 1.068

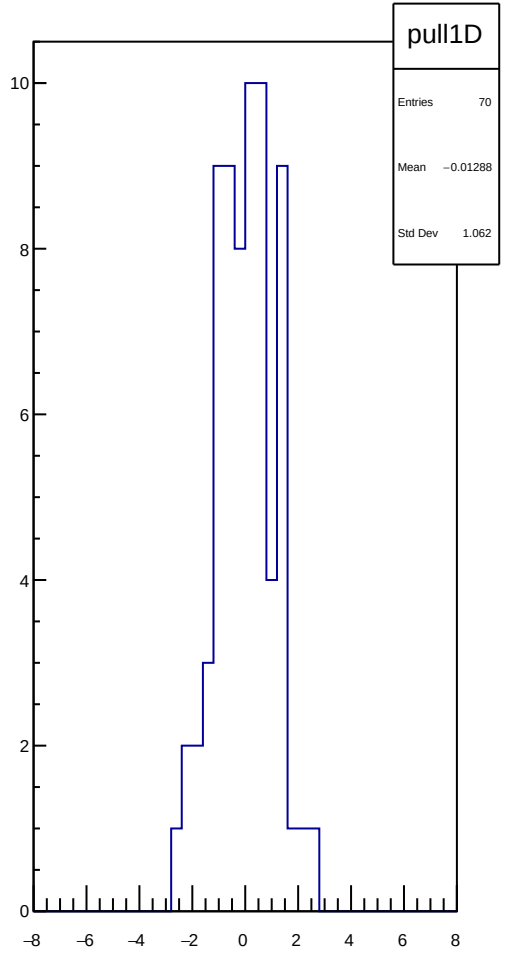

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 3532 / 69
p0 1766 ± 1.54
2300
2200
2100
2000
1900
1800
1700

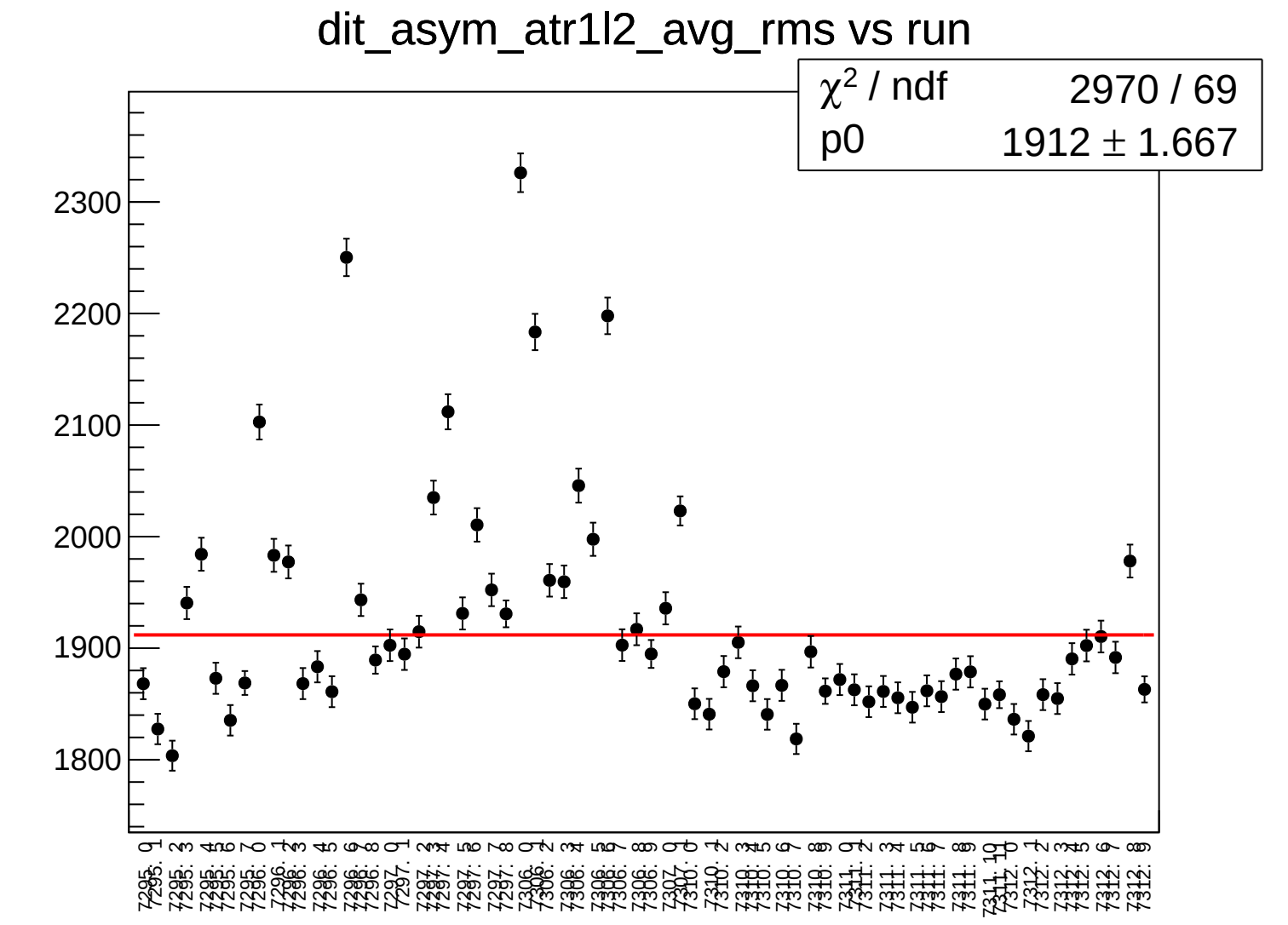

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 60.24 / 69
p0 −2319 ± 6135
pull
Entries 70
Mean 491.1
Std Dev 0

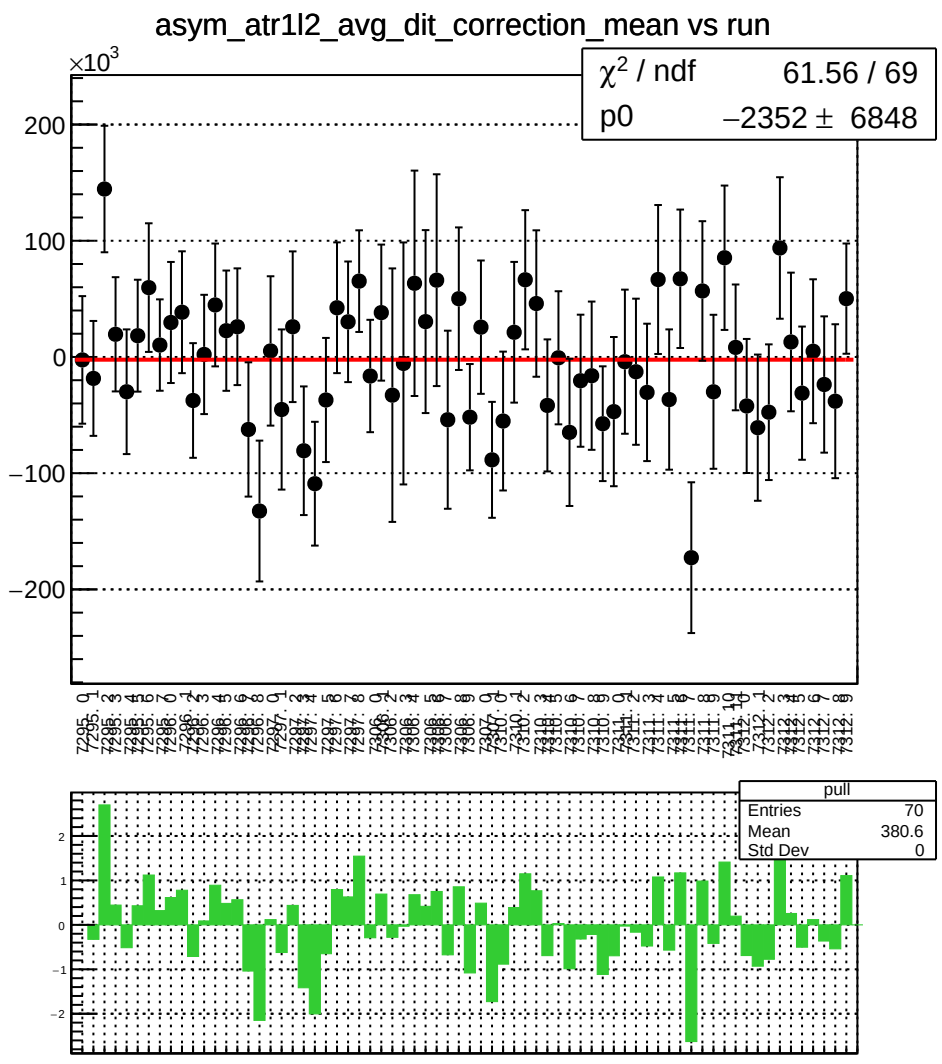

pull1D
Entries 70
Mean −0.004555
Std Dev 0.9277

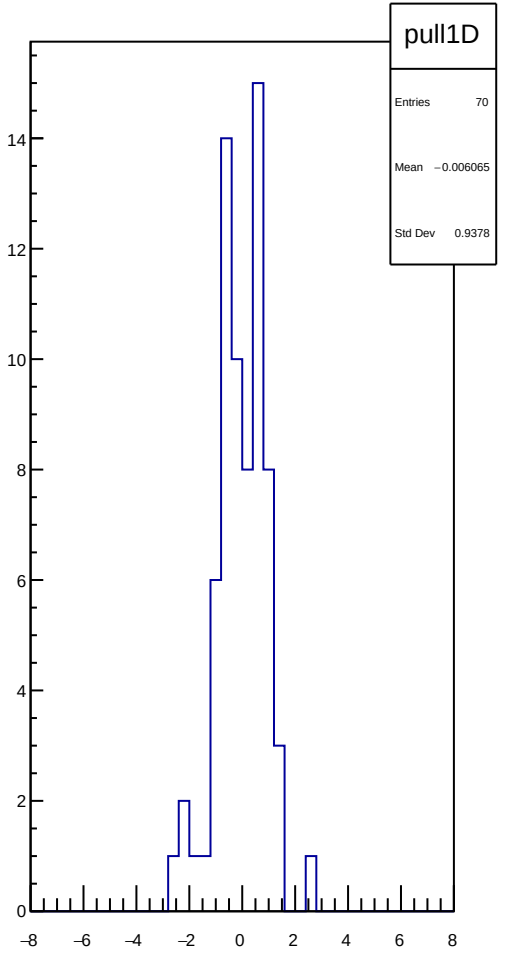

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2.608e+04 / 69
p0 4933 ± 4.338
10000
9000
8000
7000
6000
5000
4000

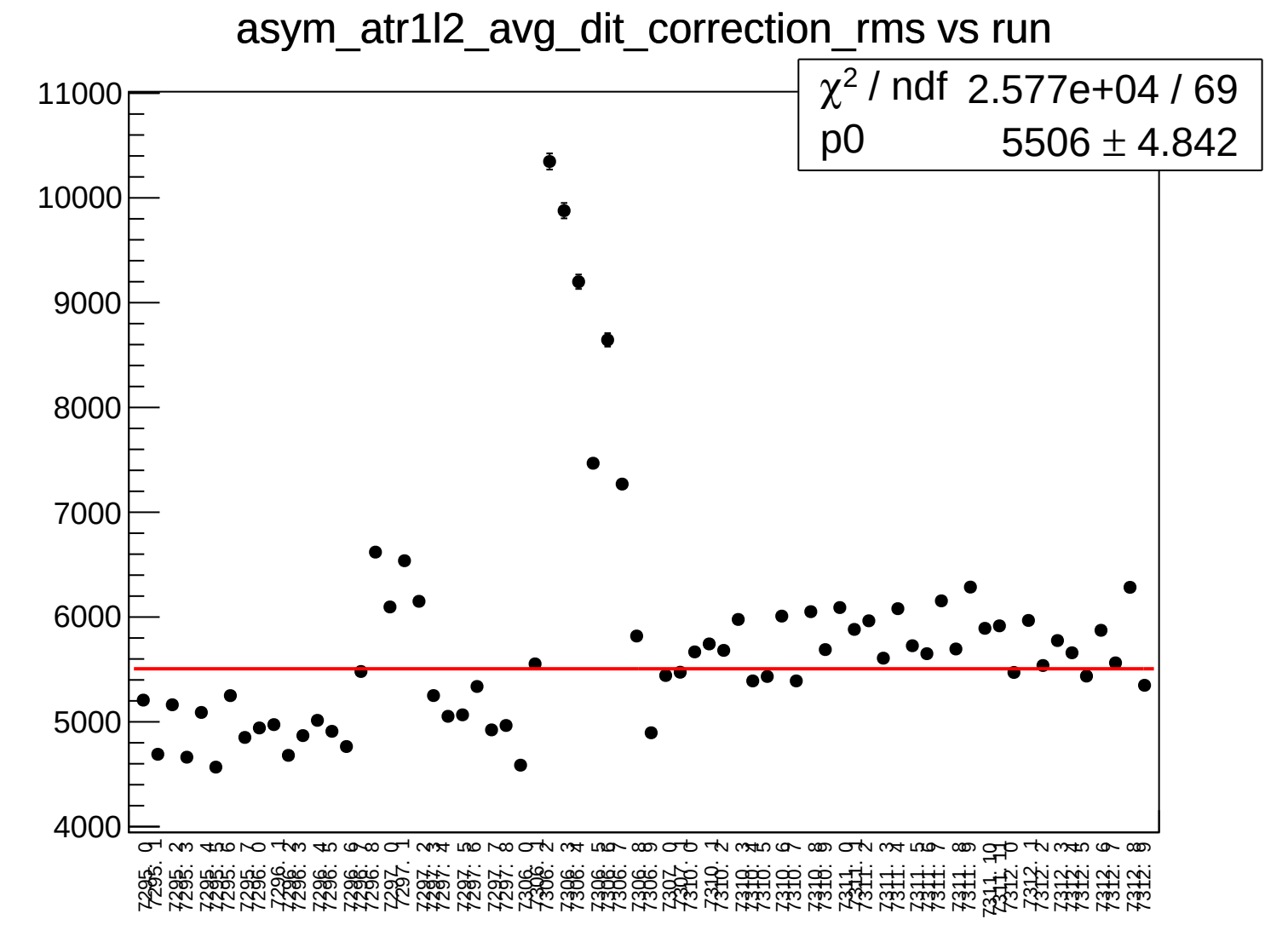

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 79.01 / 69
p0 −1117 ± 2357
pull
Entries 70
Mean 79.57
Std Dev 0

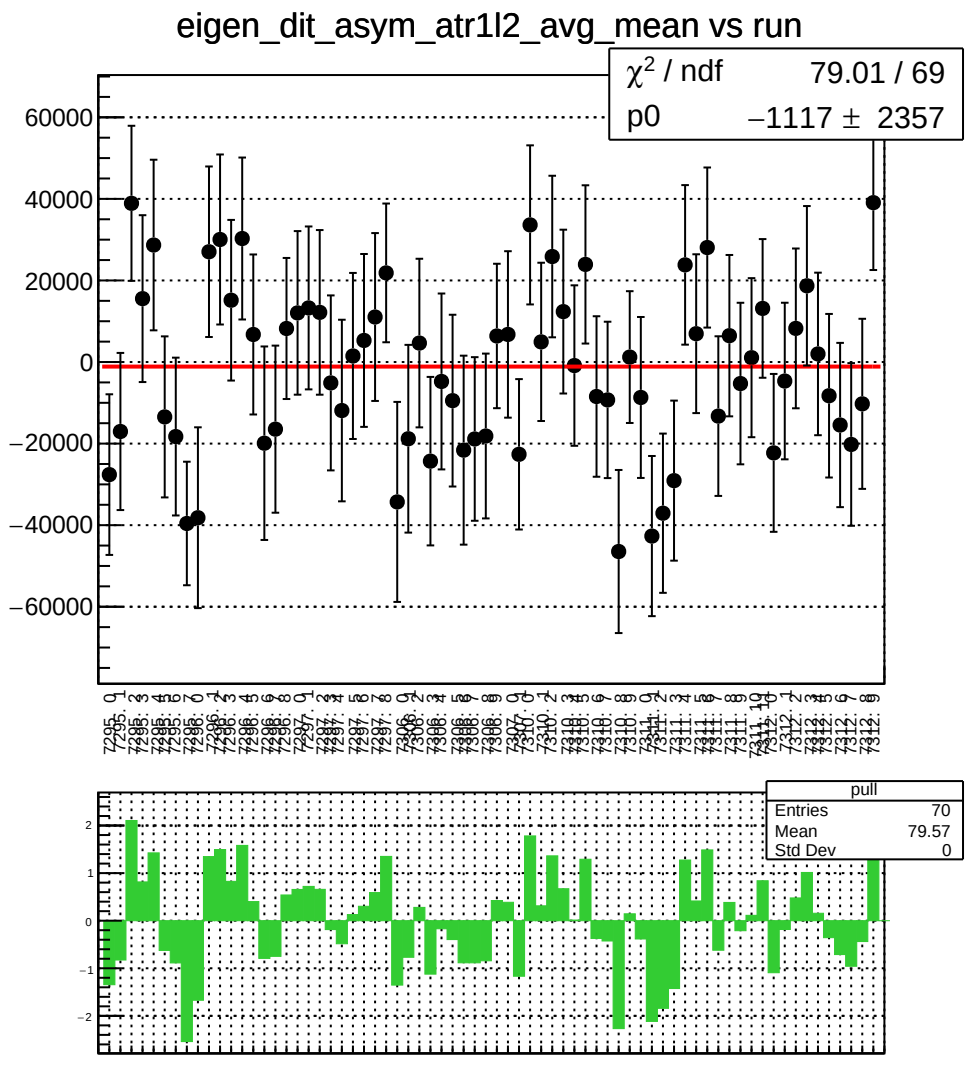

pull1D
Entries 70
Mean −0.01288
Std Dev 1.062

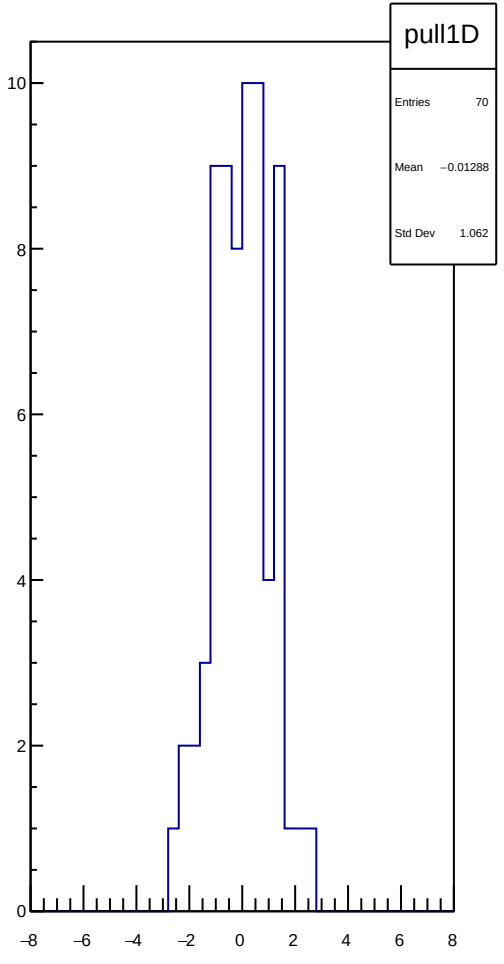

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 2970 / 69
p0 1912 ± 1.667
2300
2200
2100
2000
1900
1800

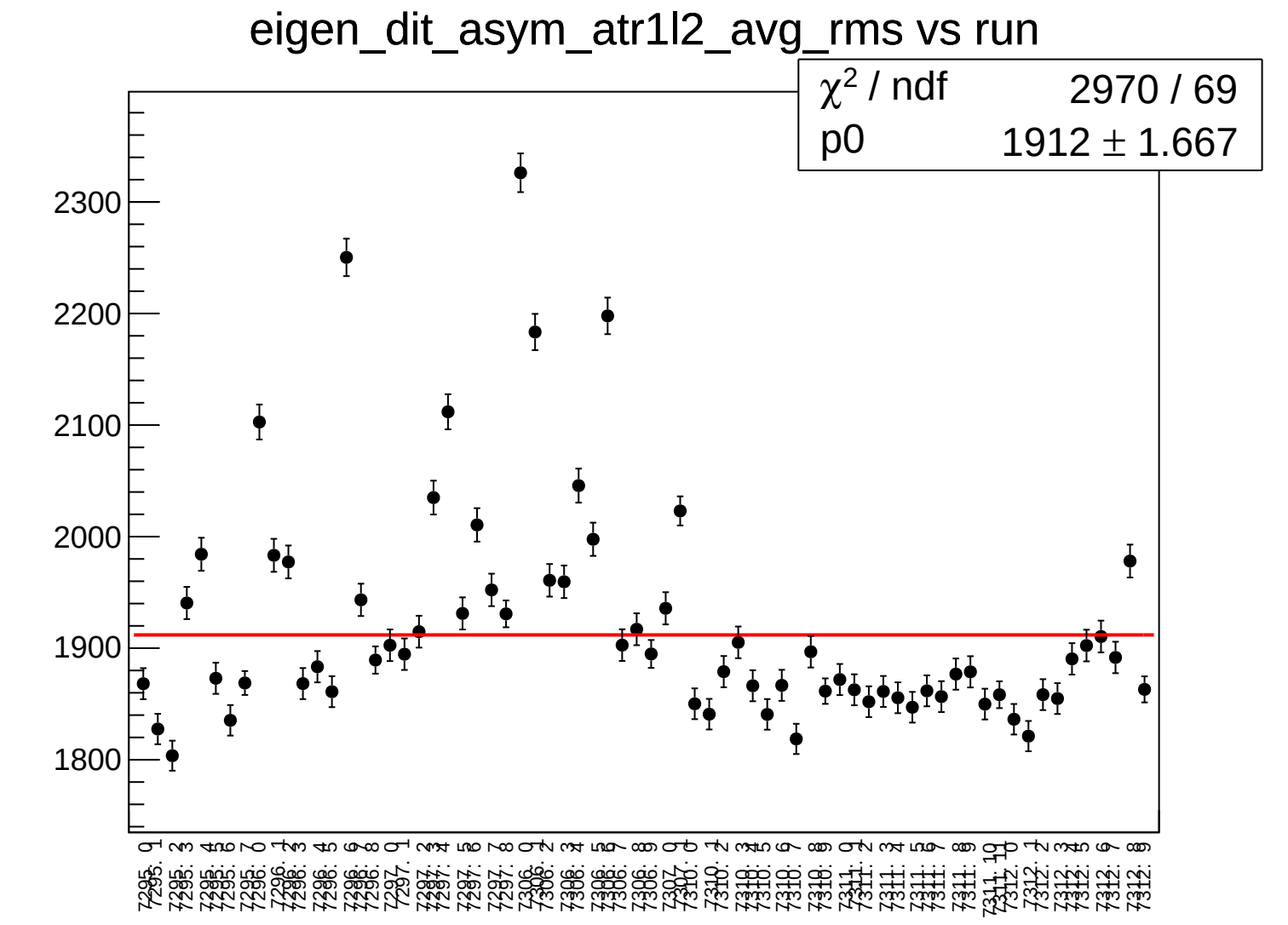

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 61.56 / 69
p0 −2352 ± 6848
200
100
0
−100
−200
pull
Entries 70
Mean 380.6
Std Dev 0
2
1
0
−1
−2

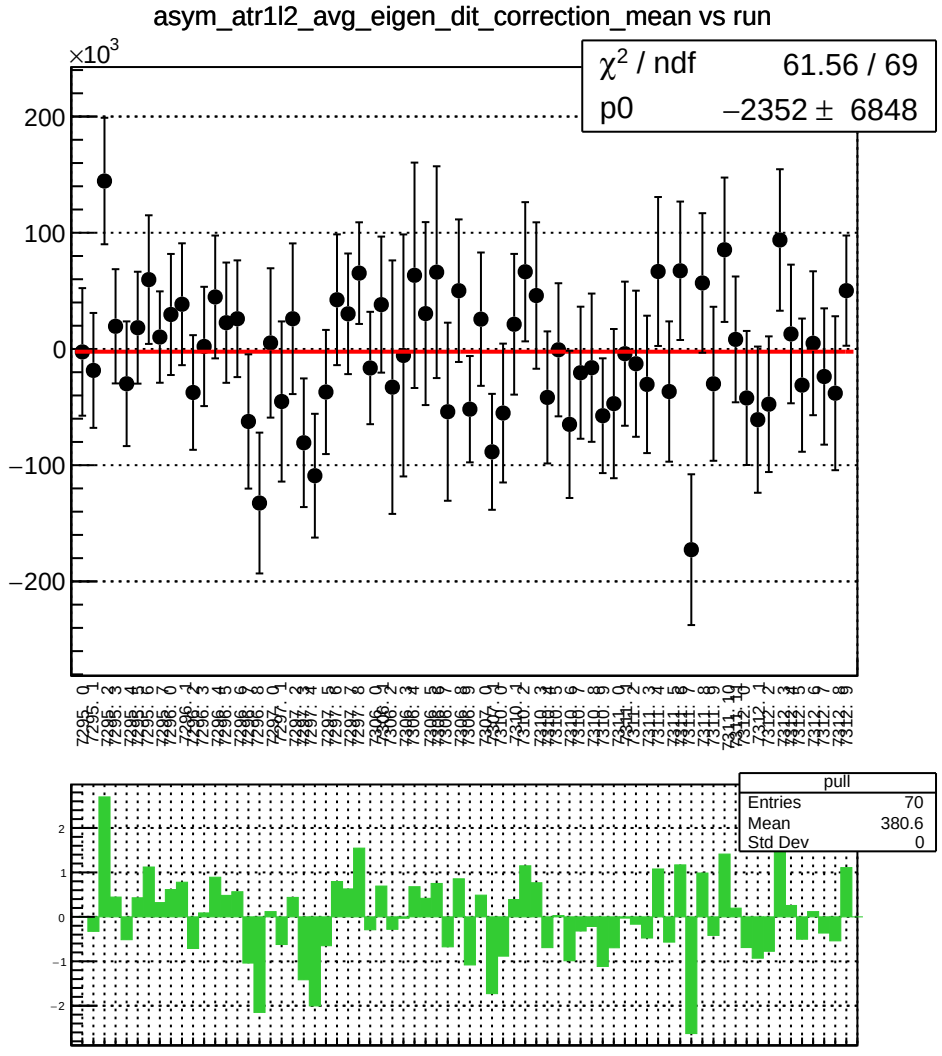

pull1D
Entries 70
Mean −0.006065
Std Dev 0.9378
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

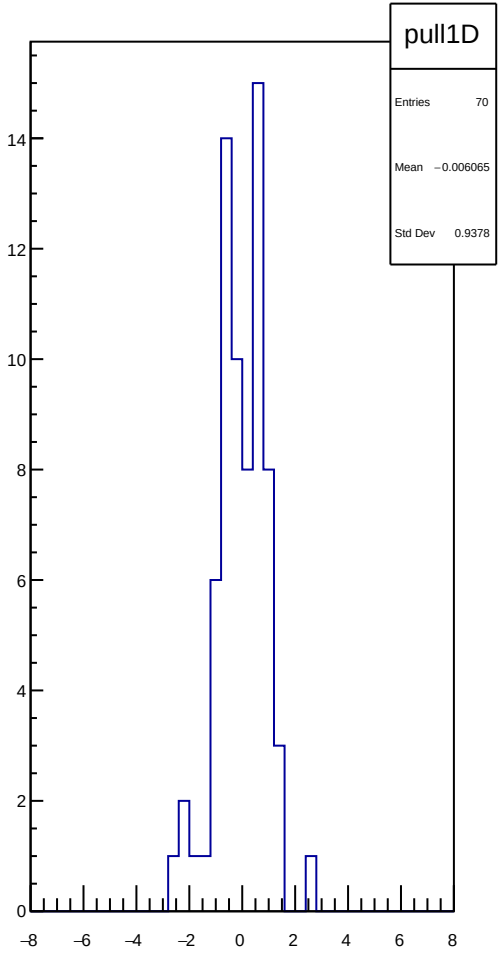

asym_atr1l2_avg_dit_correction_rms vs run
χ^2 / ndf 2.577e+04 / 69
p0 5506 ± 4.842
11000
10000
9000
8000
7000
6000
5000
4000

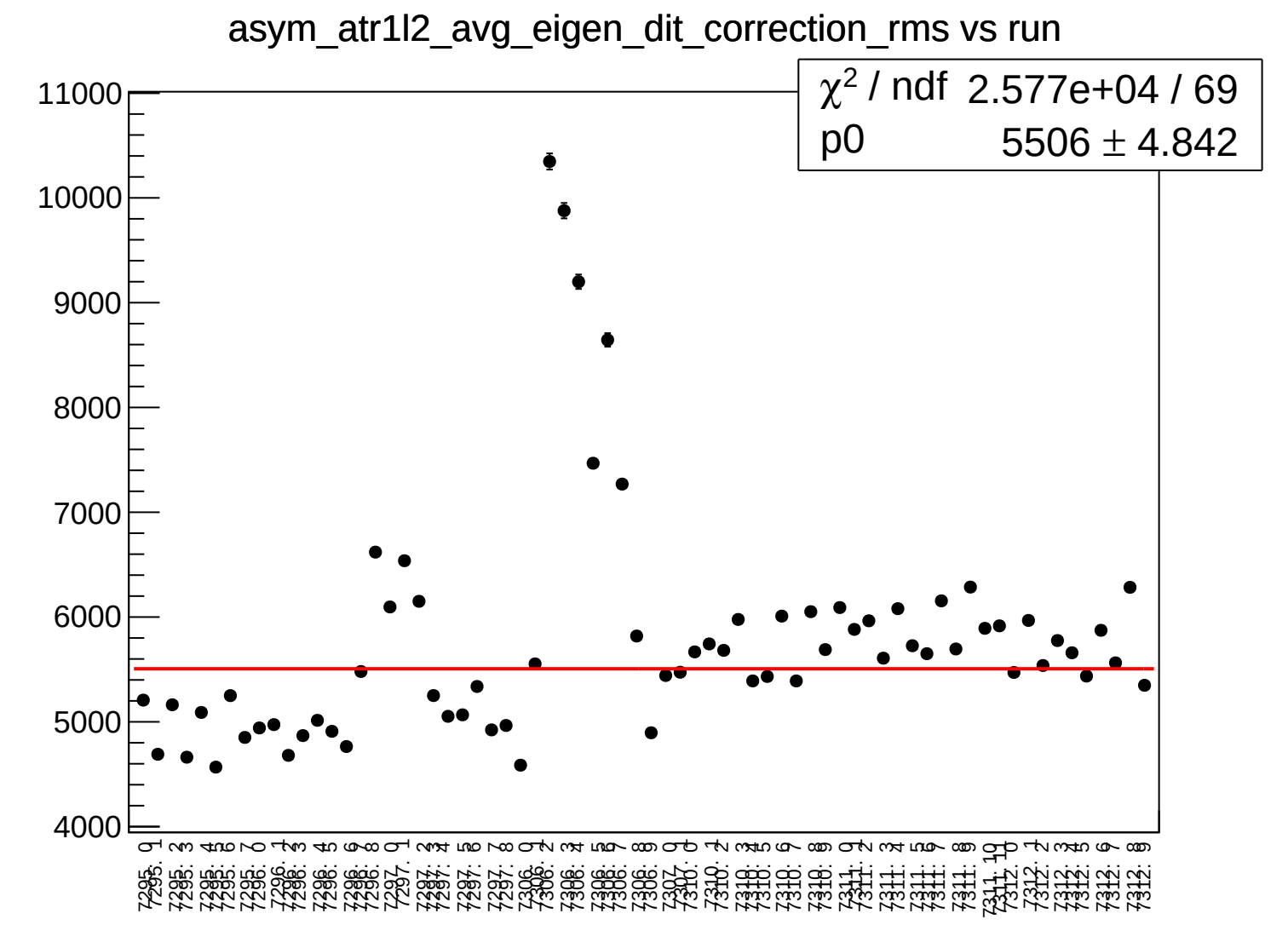

eigen_dit_asym_atr1l2_avg_mean vs run
χ^2 / ndf 79.01 / 69
p0 −1117 ± 2357
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 79.57
Std Dev 0
2
1
0
−1
−2

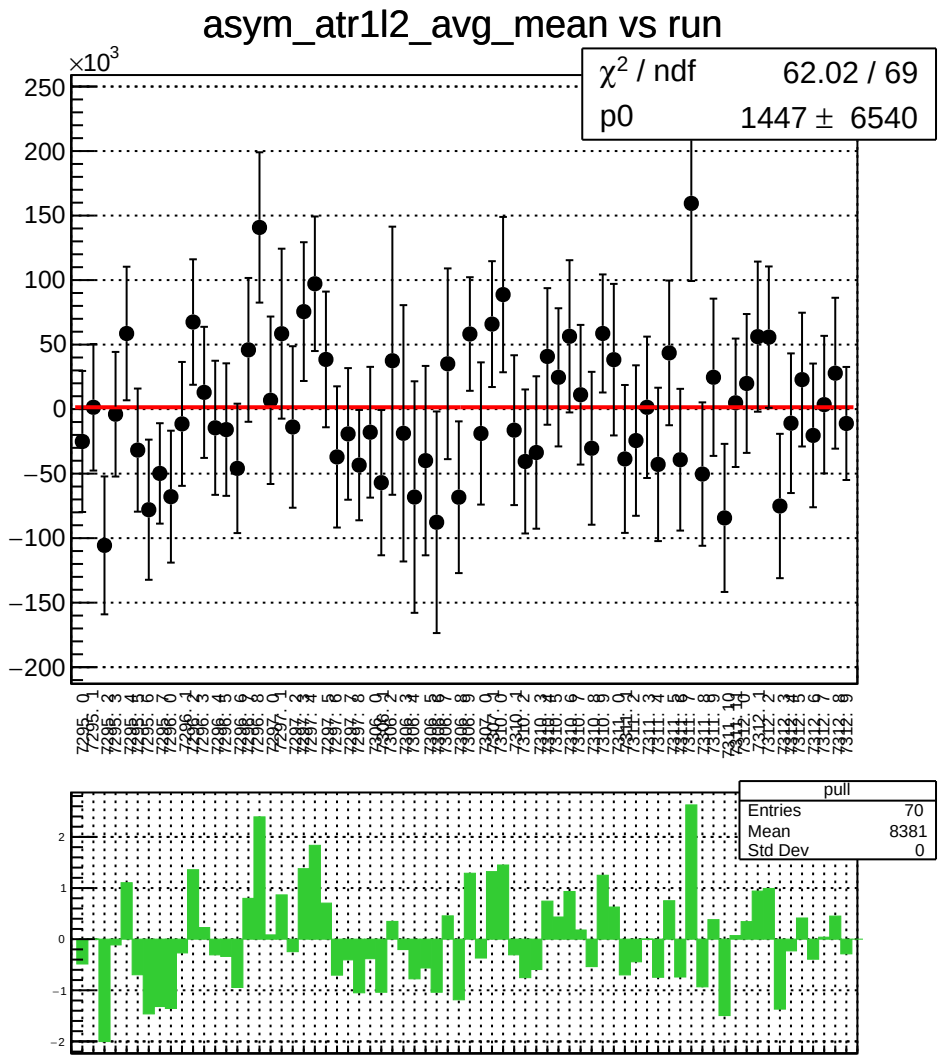

pull1D
Entries 70
Mean −0.01288
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

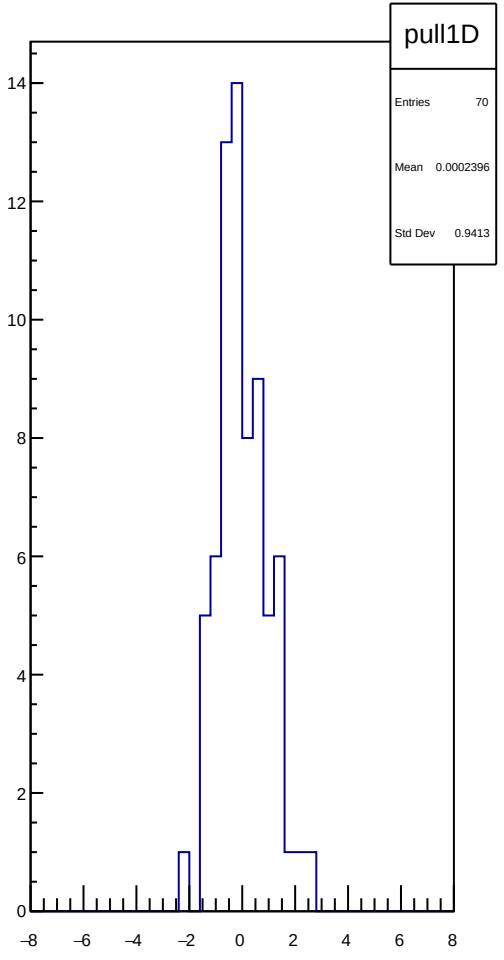

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 2970 / 69
p0 1912 ± 1.667
2300
2200
2100
2000
1900
1800

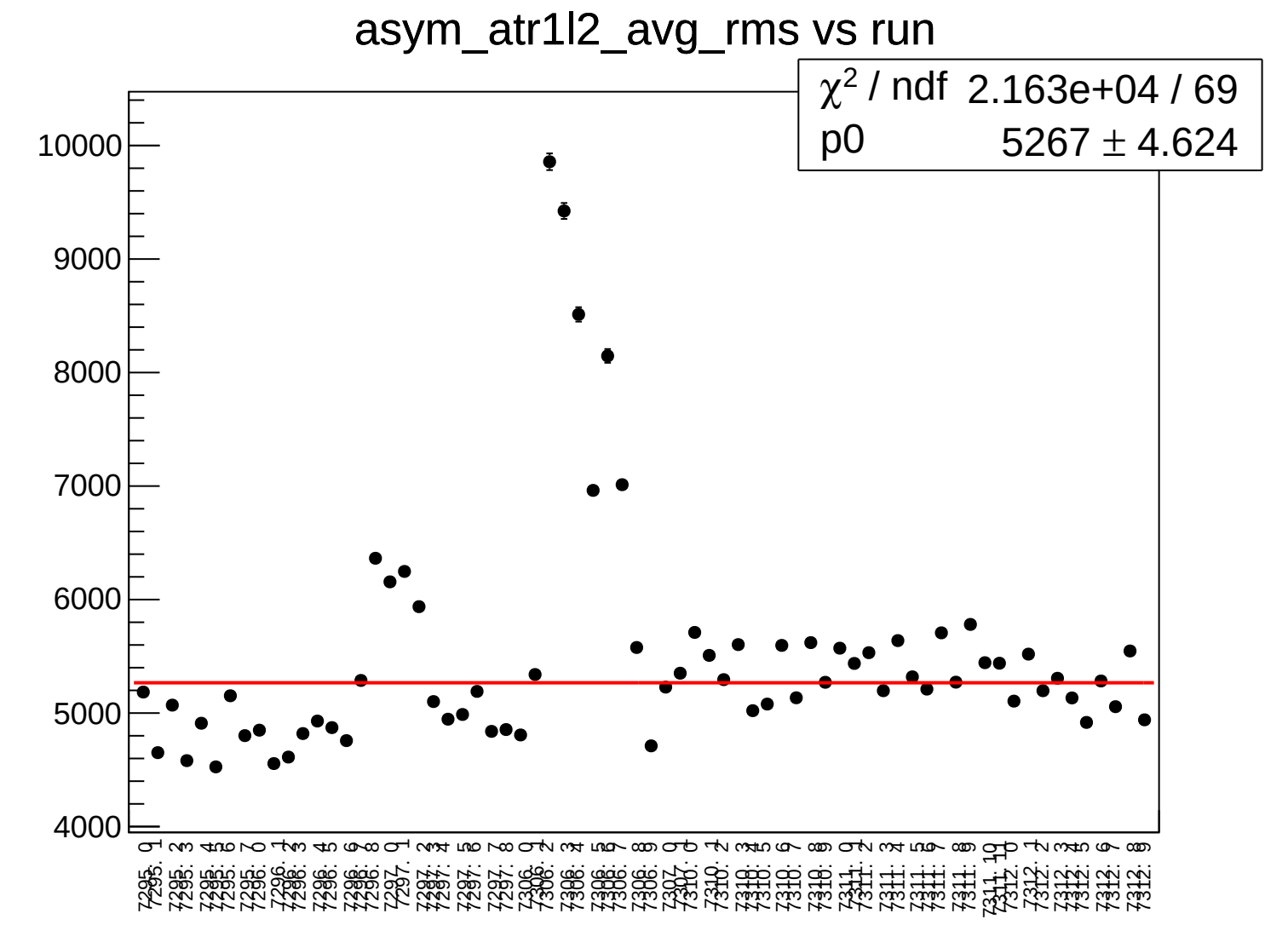

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.56 / 69
p0 −2352 ± 6848
200
100
0
−100
−200
pull
Entries 70
Mean 380.6
Std Dev 0
2
1
0
−1
−2

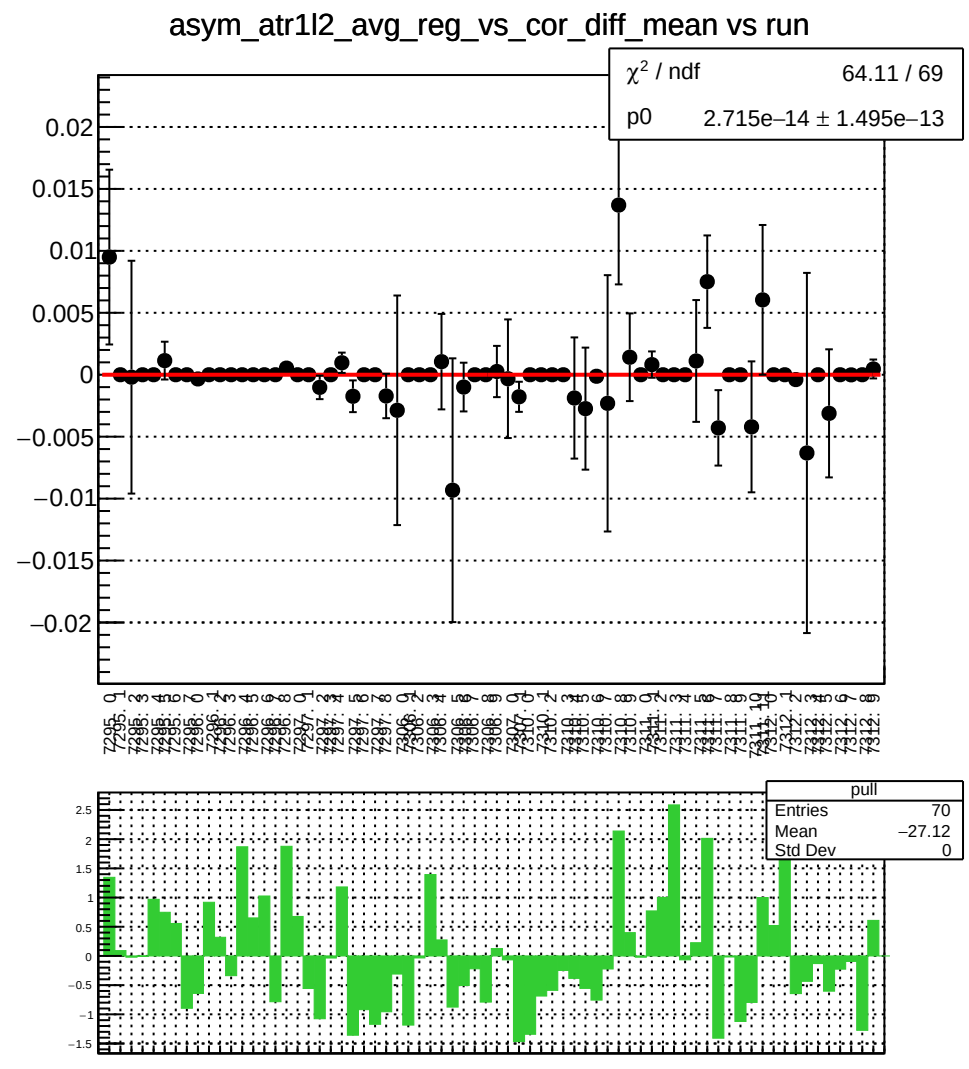

pull1D
Entries 70
Mean −0.006065
Std Dev 0.9378
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

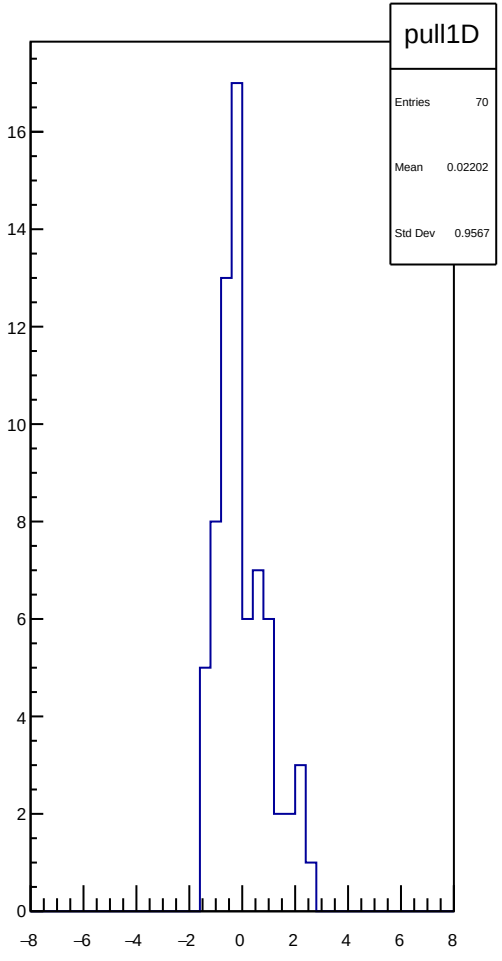

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 2.577e+04 / 69
p0 5506 ± 4.842
11000
10000
9000
8000
7000
6000
5000
4000

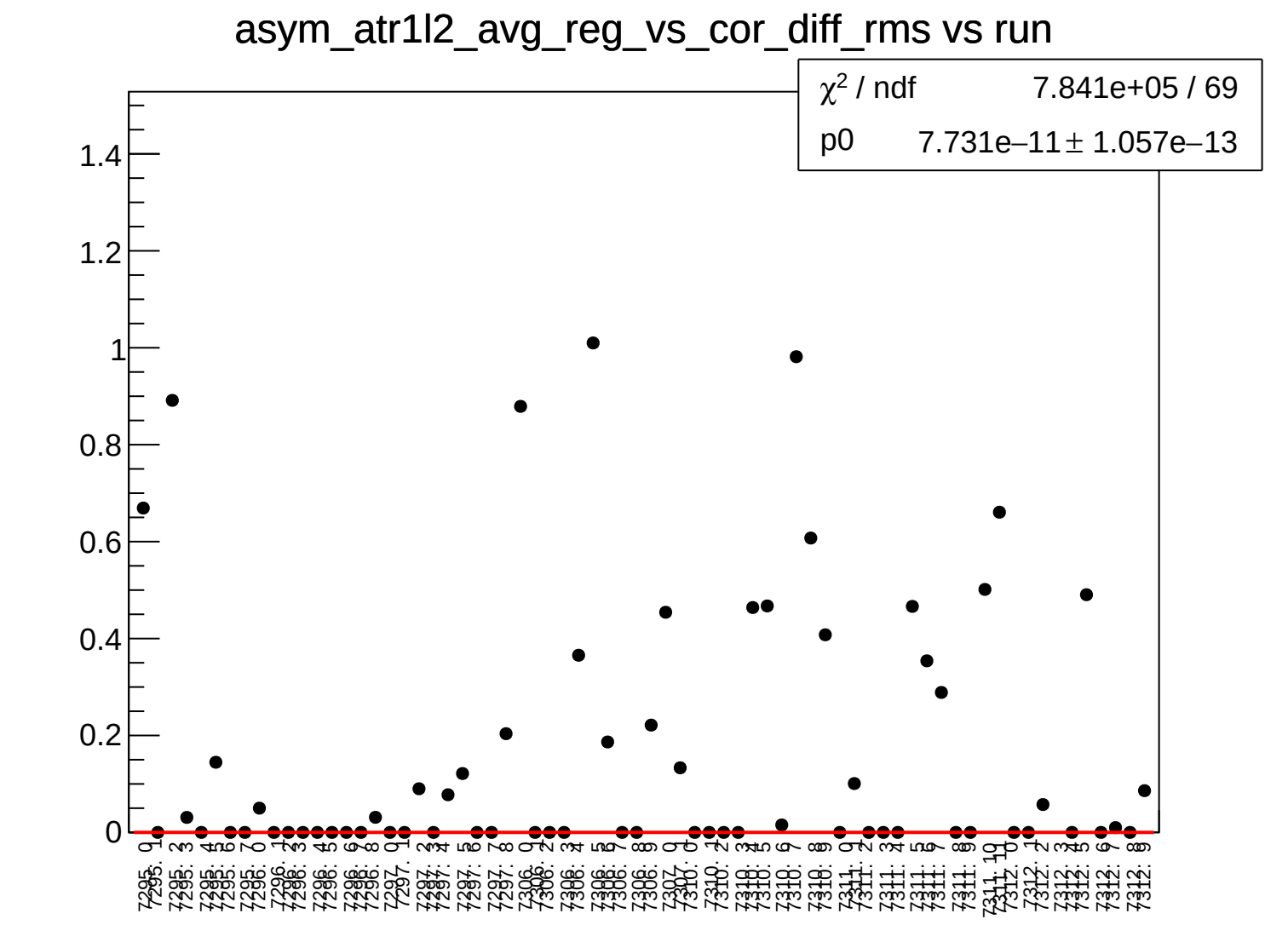

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 62.02 / 69
p0 1447 ± 6540
pull
Entries 70
Mean 8381
Std Dev 0

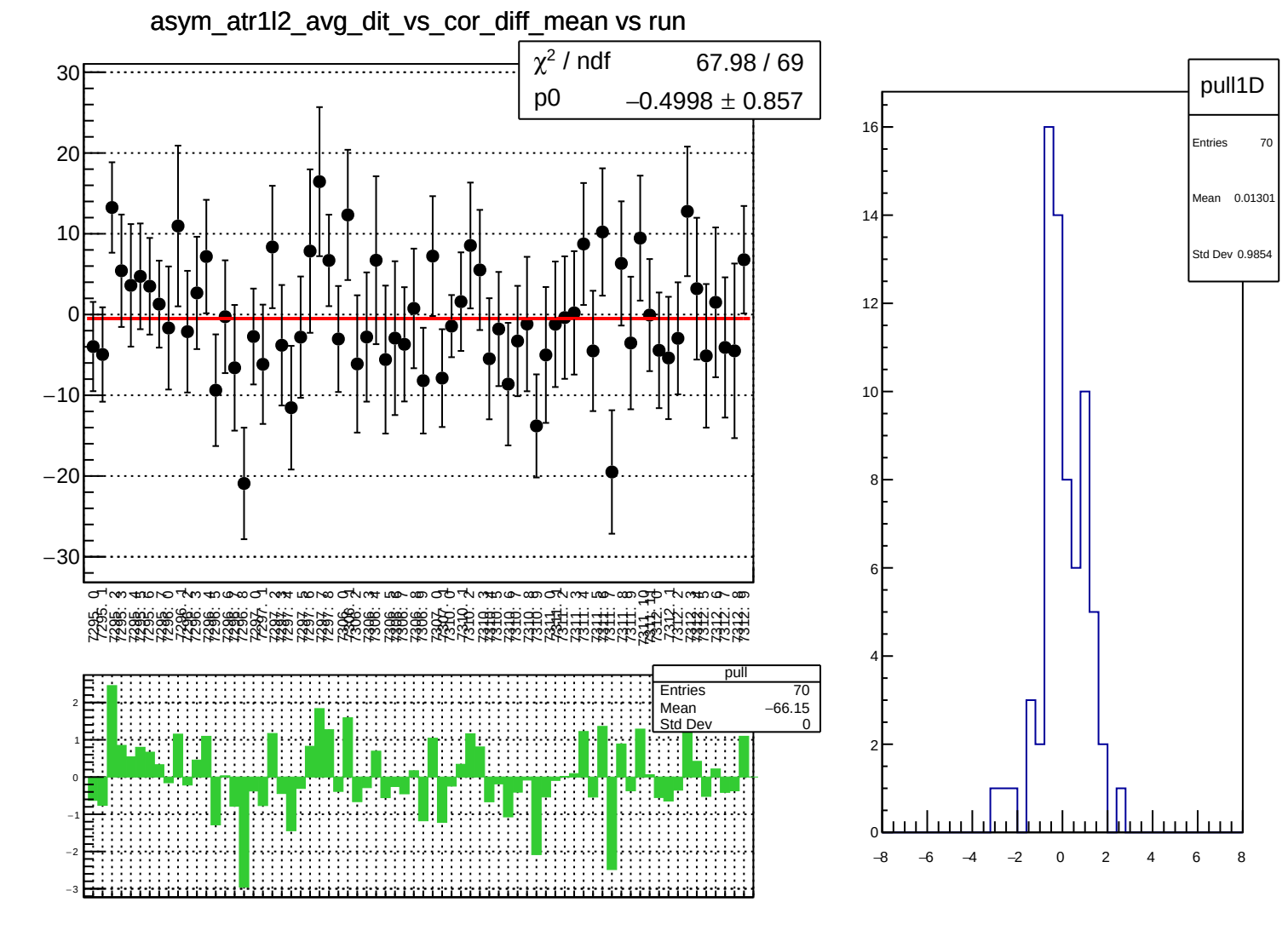

pull1D
Entries 70
Mean 0.0002396
Std Dev 0.9413

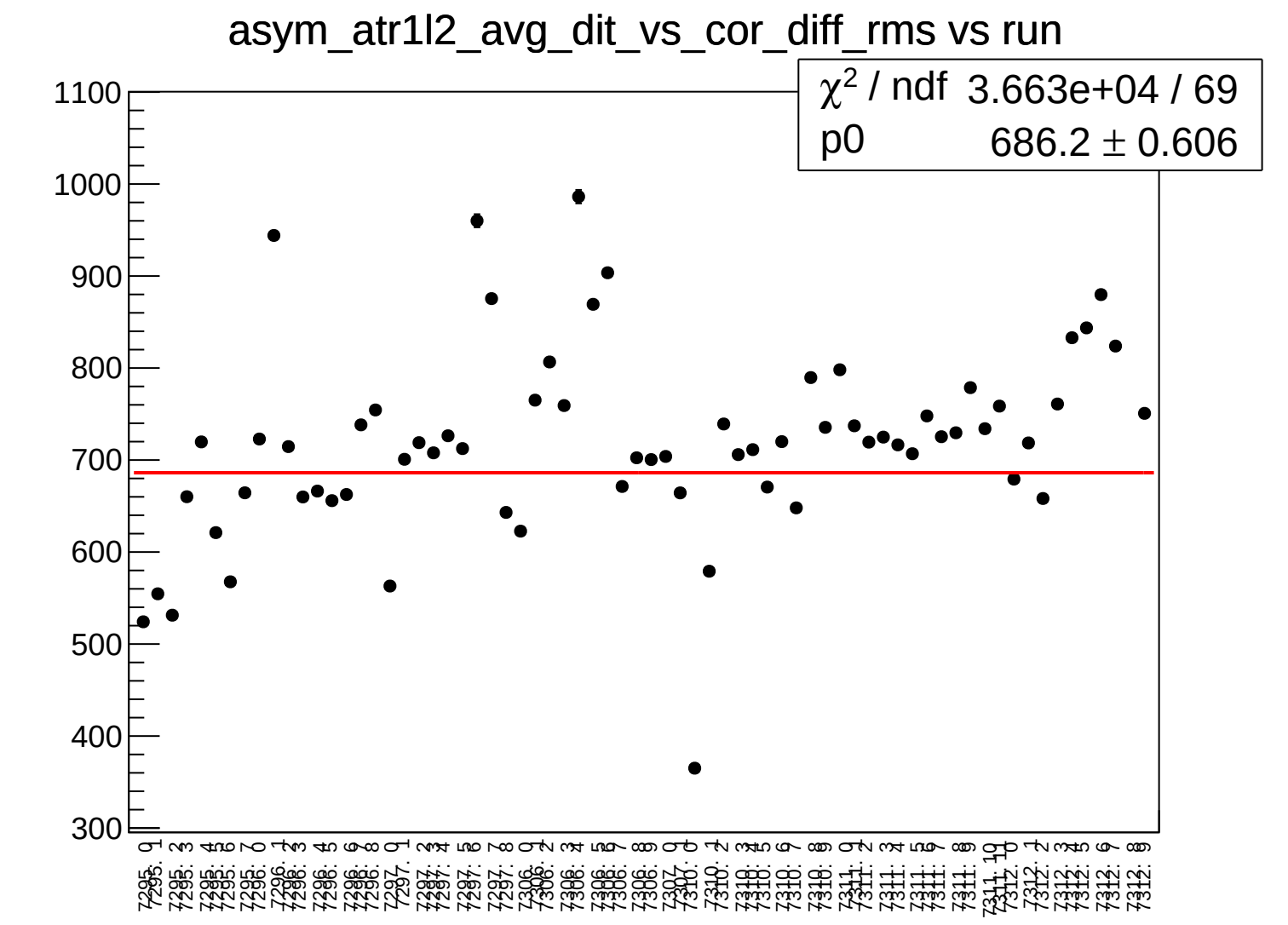

asym_atr1l2_avg_rms vs run
χ² / ndf 2.163e+04 / 69
p0 5267 ± 4.624
10000
9000
8000
7000
6000
5000
4000

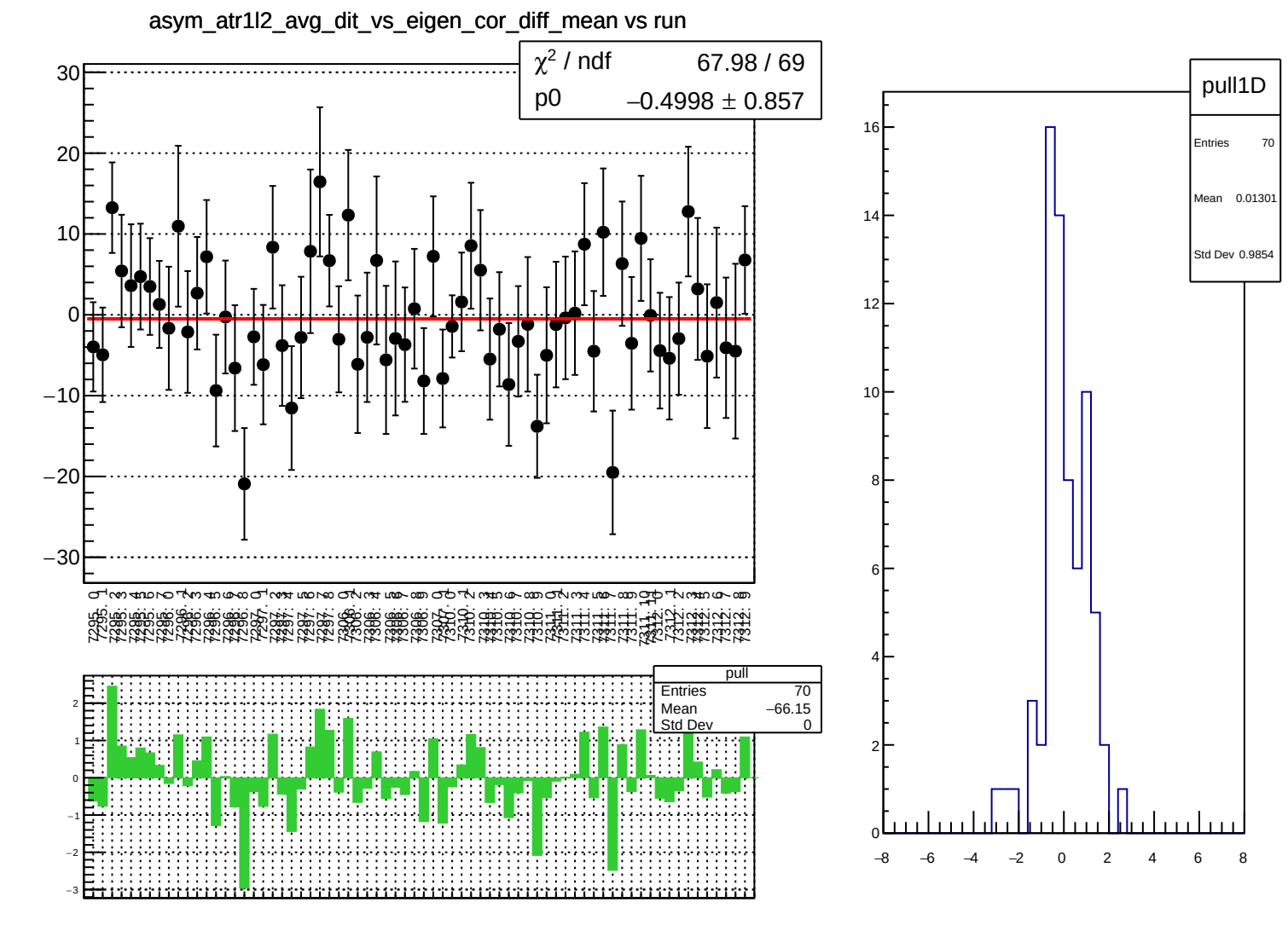

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.11 / 69
p0 2.715e−14 ± 1.495e−13
pull
Entries 70
Mean −27.12
Std Dev 0

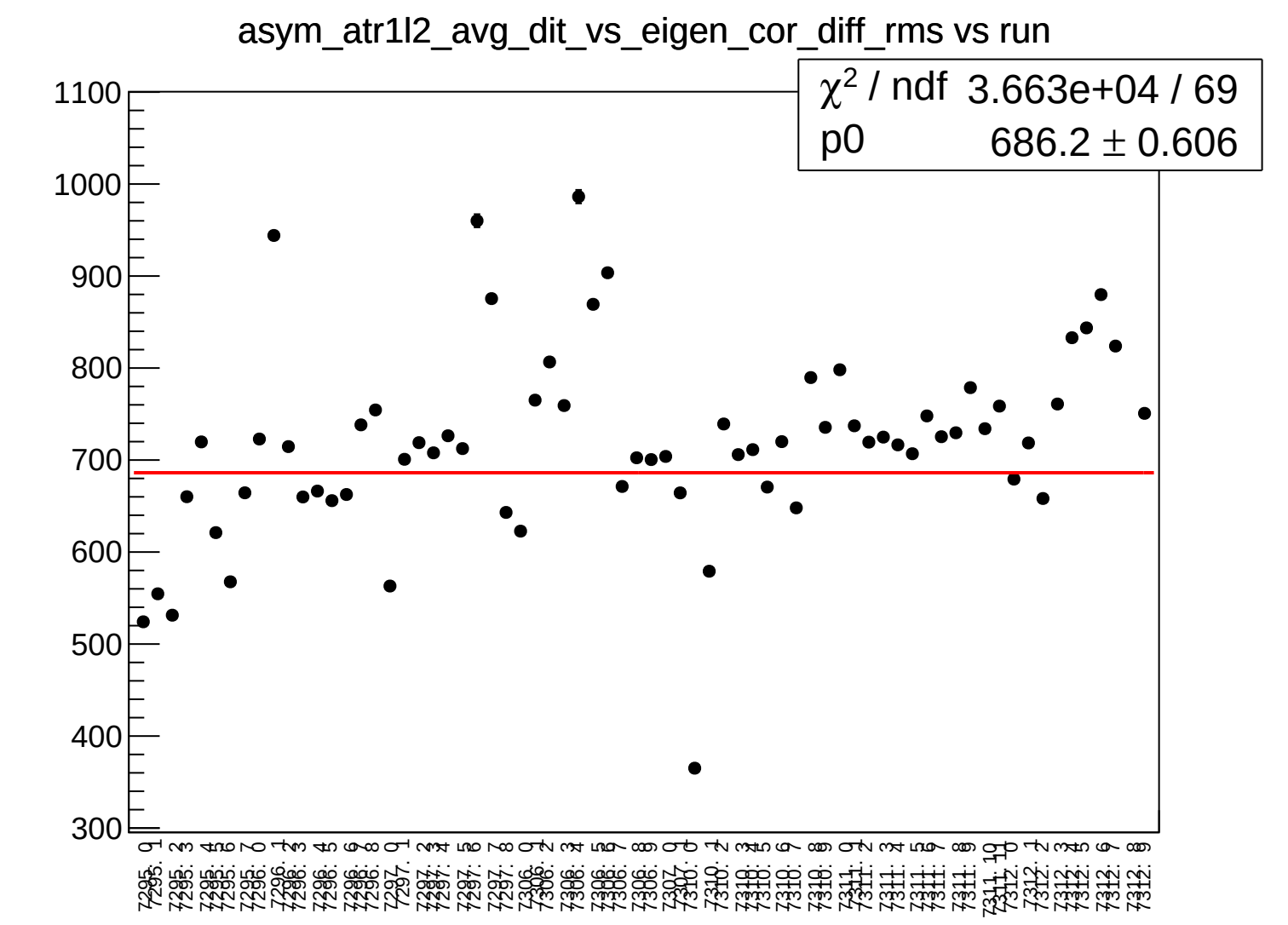

pull1D
Entries 70
Mean 0.02202
Std Dev 0.9567

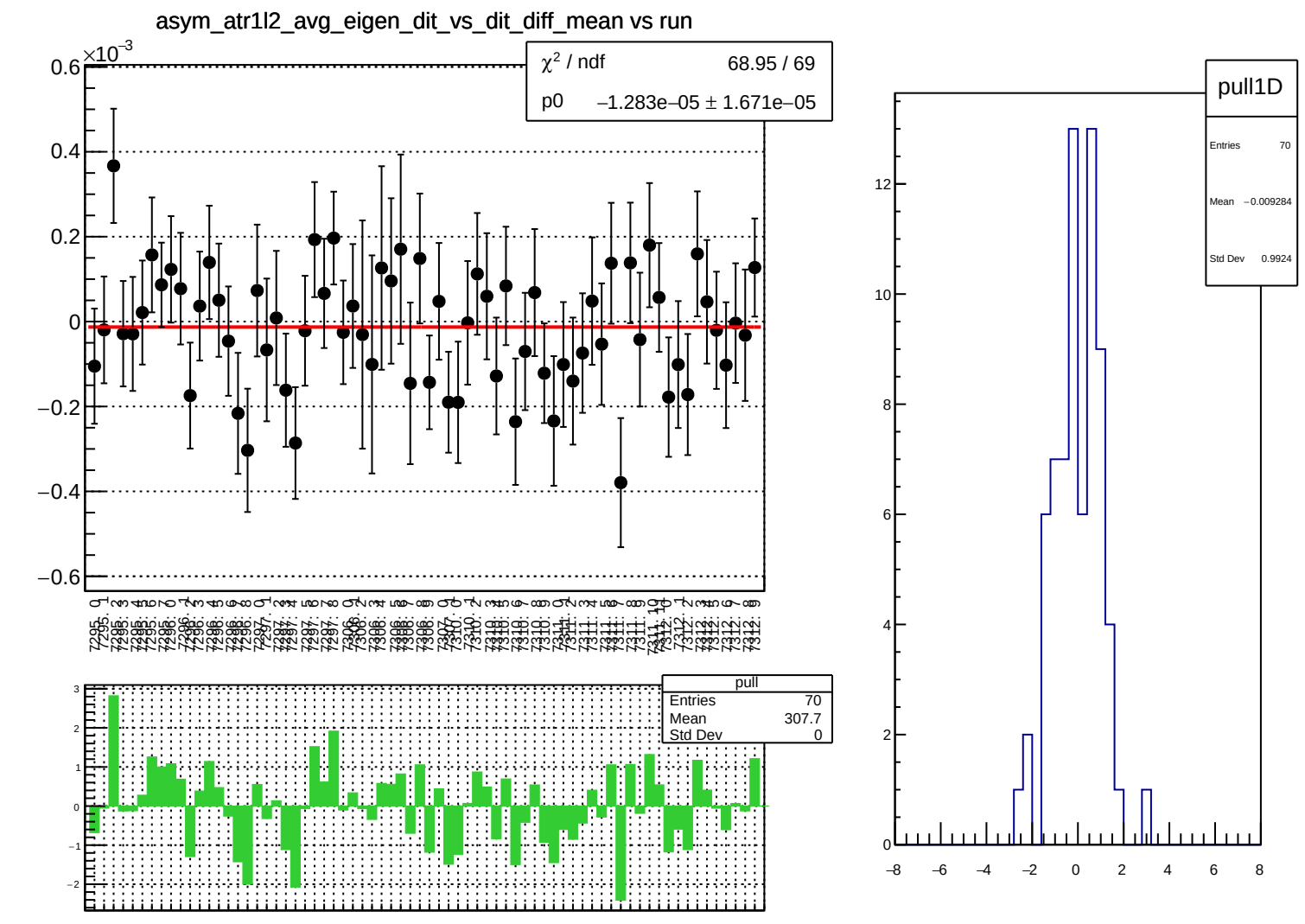

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.841e+05 / 69
p0 7.731e−11 ± 1.057e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

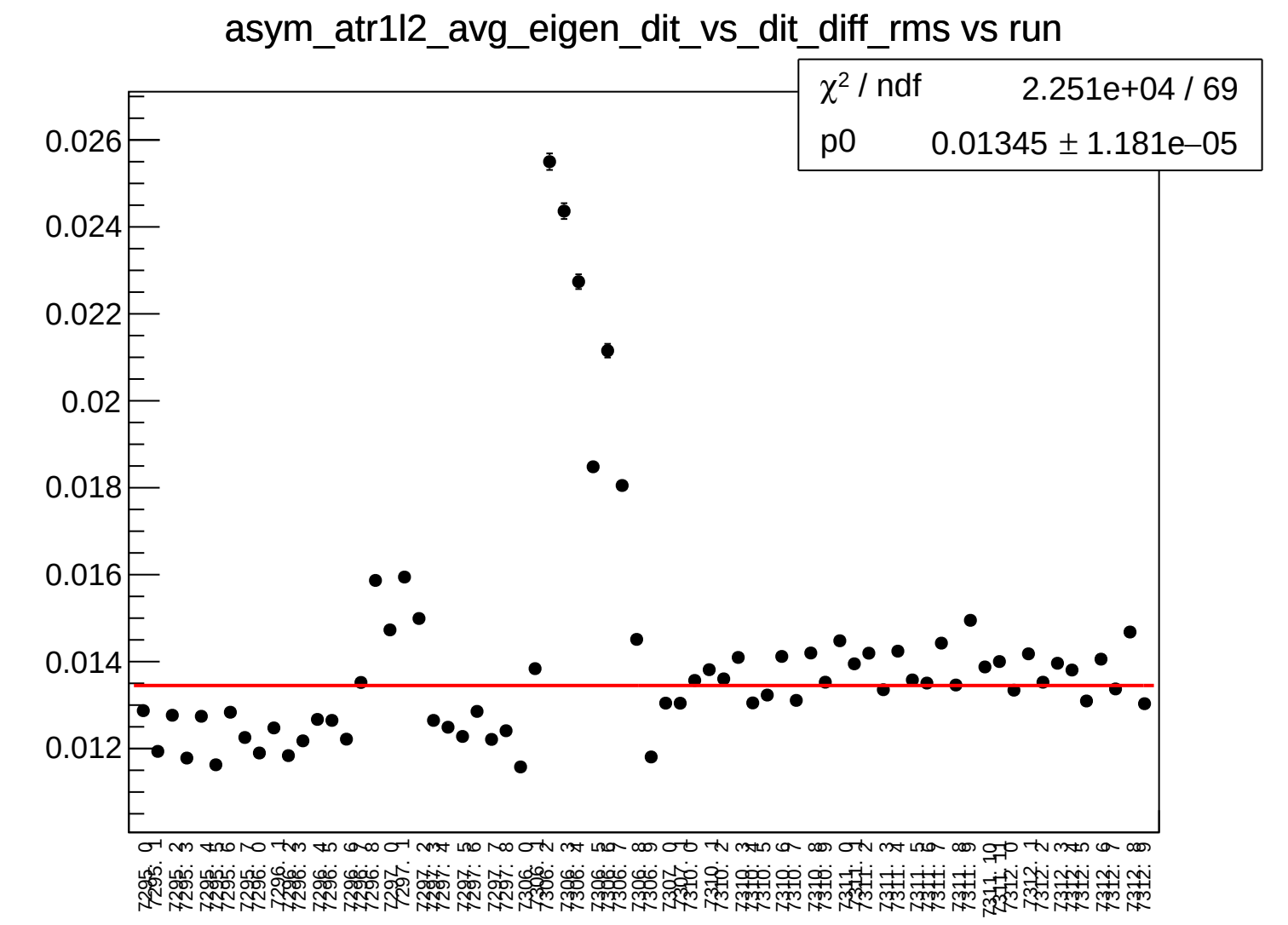

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.98 / 69
p0 −0.4998 ± 0.857
pull
Entries 70
Mean −66.15
Std Dev 0
pull1D
Entries 70
Mean 0.01301
Std Dev 0.9854

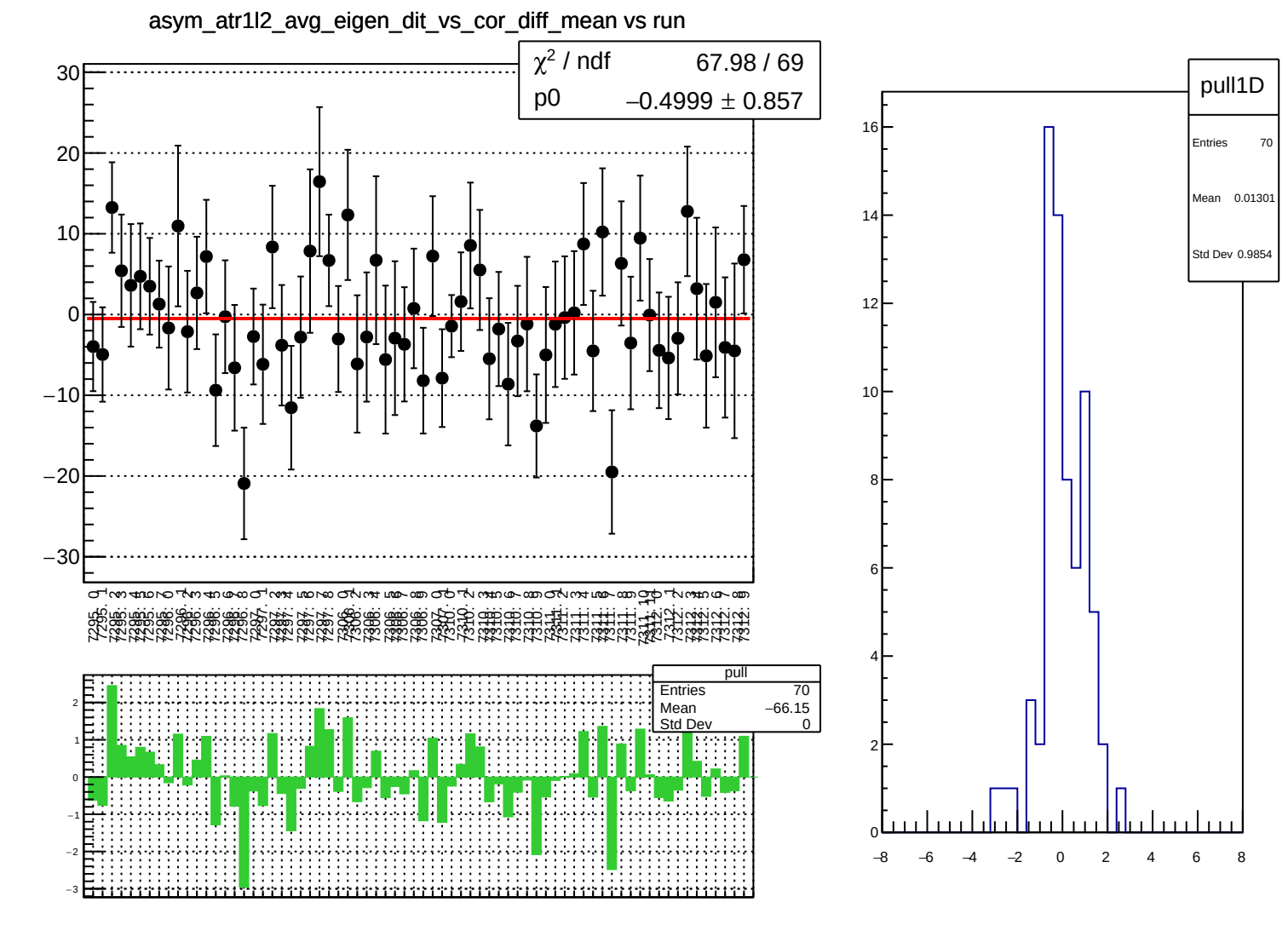

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 69
p0 686.2 ± 0.606
1100
1000
900
800
700
600
500
400
300

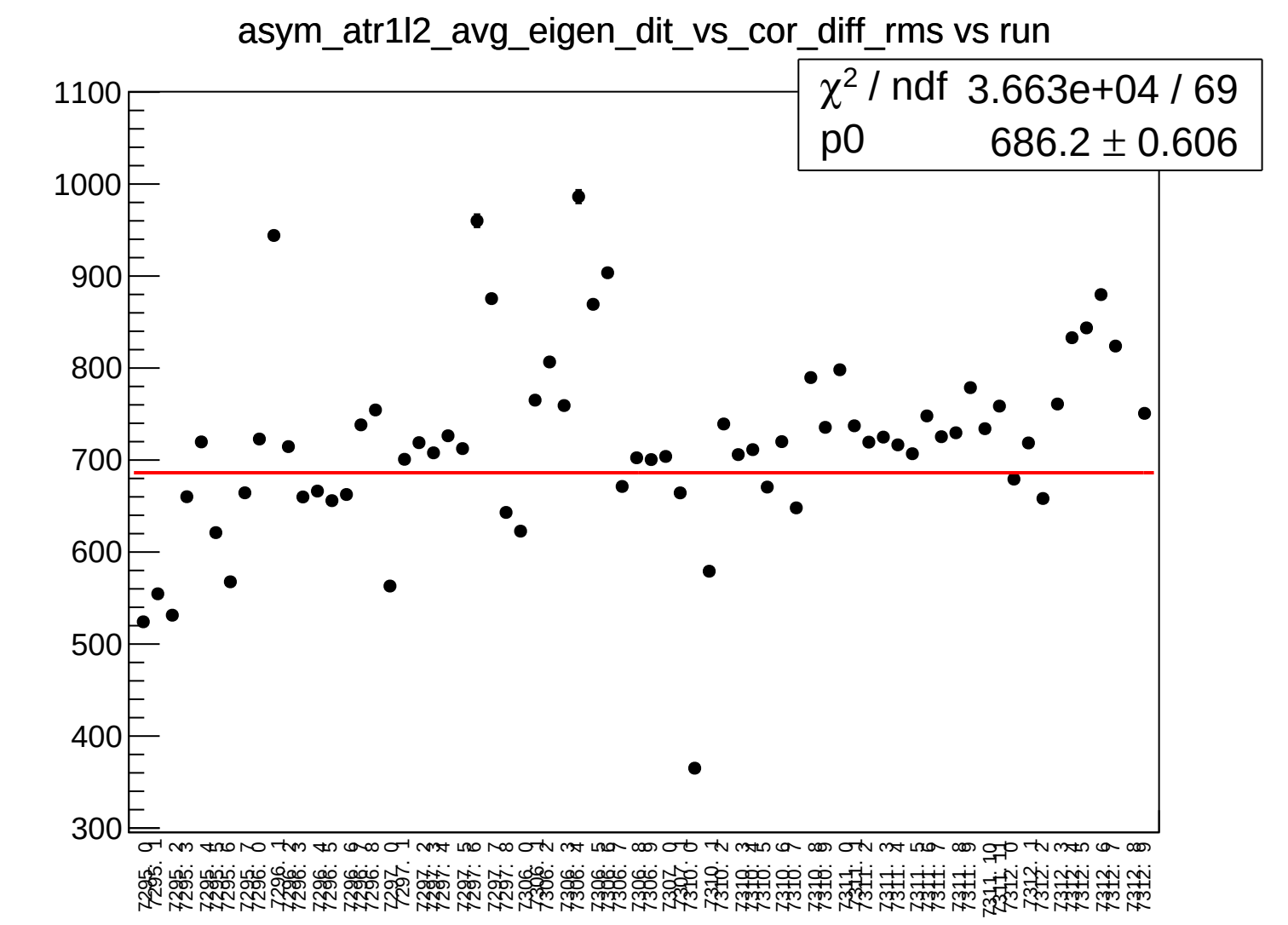

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.98 / 69
p0 −0.4998 ± 0.857
pull
Entries 70
Mean −66.15
Std Dev 0
pull1D
Entries 70
Mean 0.01301
Std Dev 0.9854

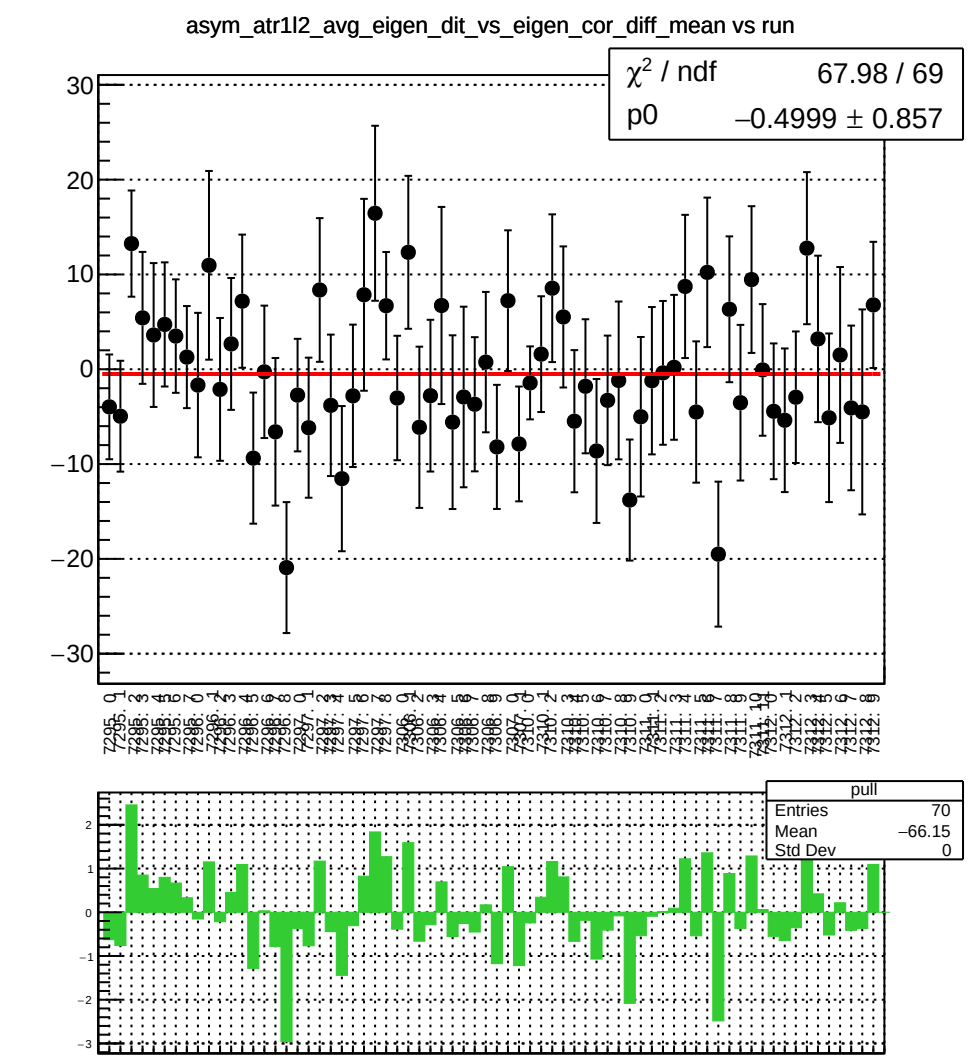

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 69
p0 686.2 ± 0.606
1100
1000
900
800
700
600
500
400
300

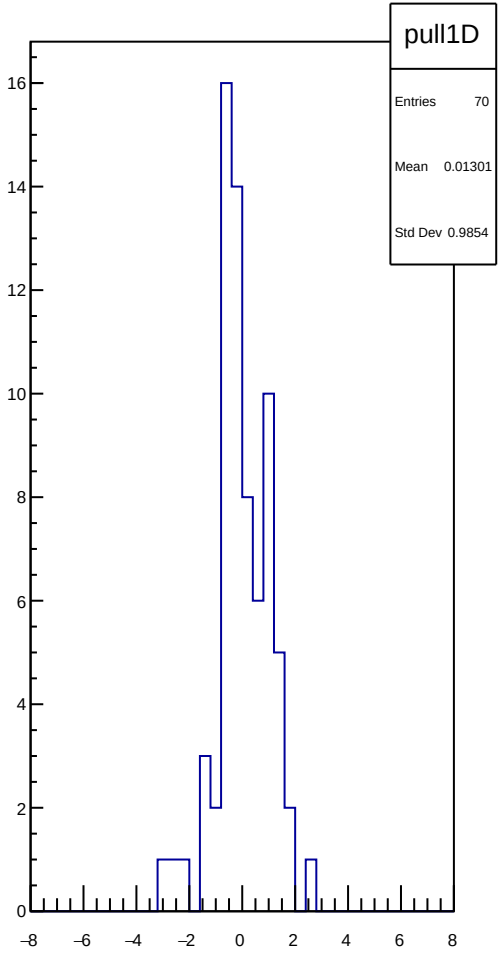

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.95 / 69
p0 −1.283e−05 ± 1.671e−05
×10⁻³
pull
Entries 70
Mean 307.7
Std Dev 0
pull1D
Entries 70
Mean −0.009284
Std Dev 0.9924

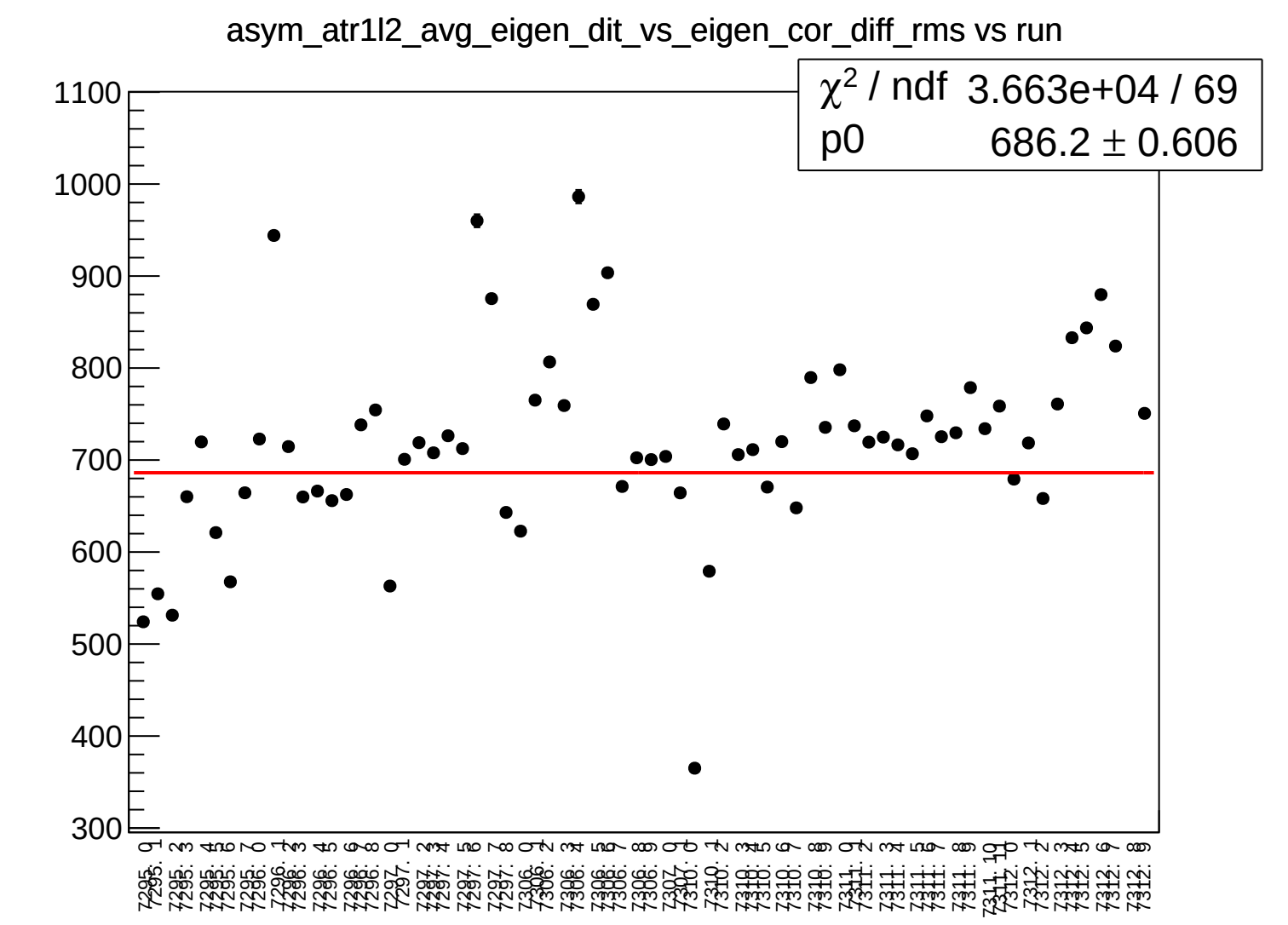

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.251e+04 / 69
p0 0.01345 ± 1.181e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

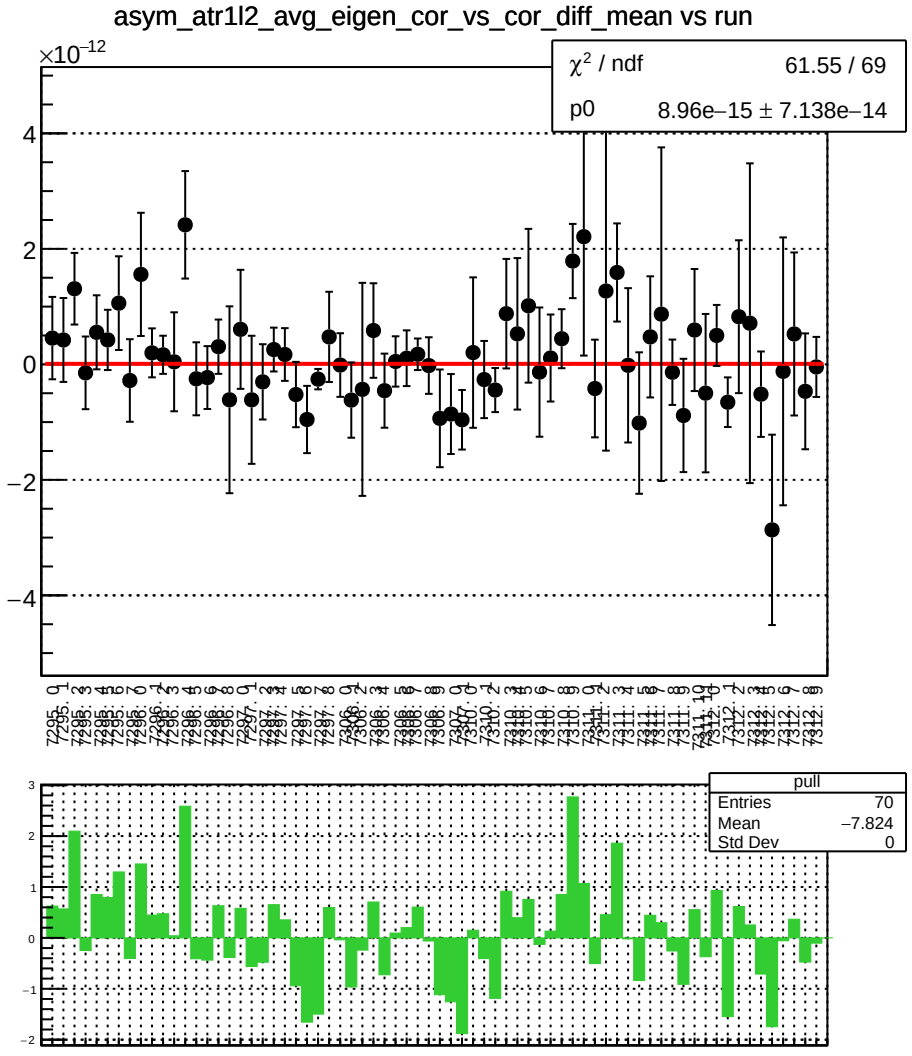

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.98 / 69
p0 −0.4999 ± 0.857
pull
Entries 70
Mean −66.15
Std Dev 0
pull1D
Entries 70
Mean 0.01301
Std Dev 0.9854

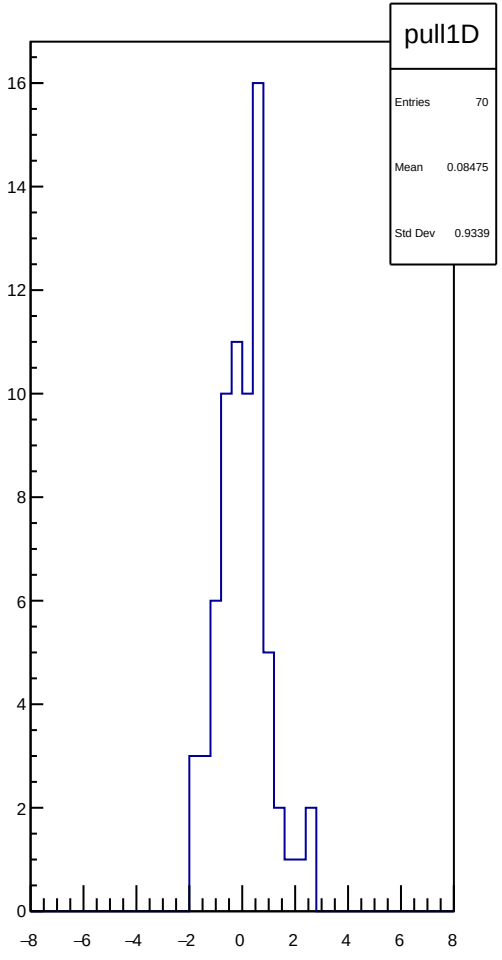

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 69
p0 686.2 ± 0.606
1100
1000
900
800
700
600
500
400
300

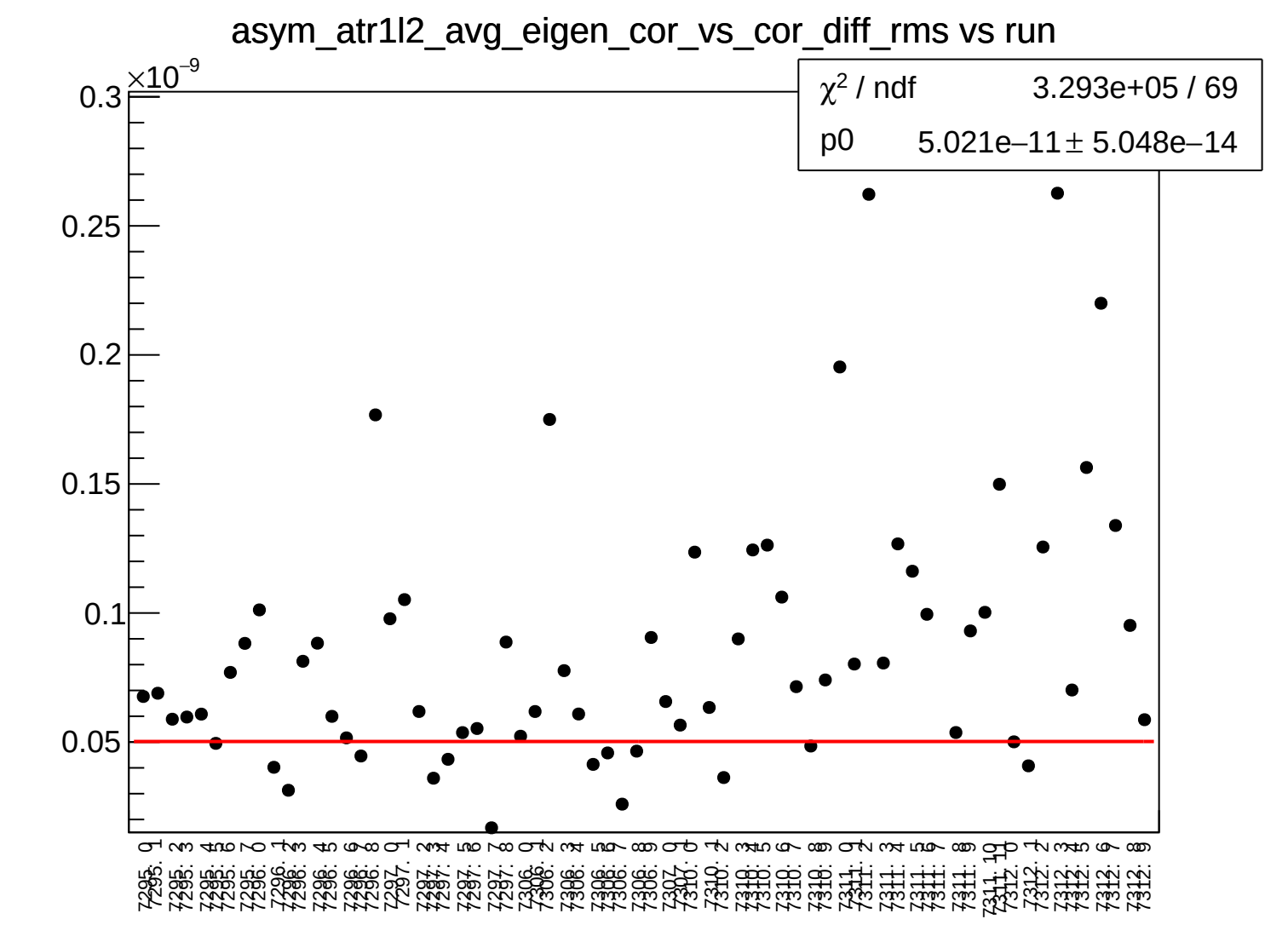

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.98 / 69
p0 −0.4999 ± 0.857
pull
Entries 70
Mean −66.15
Std Dev 0

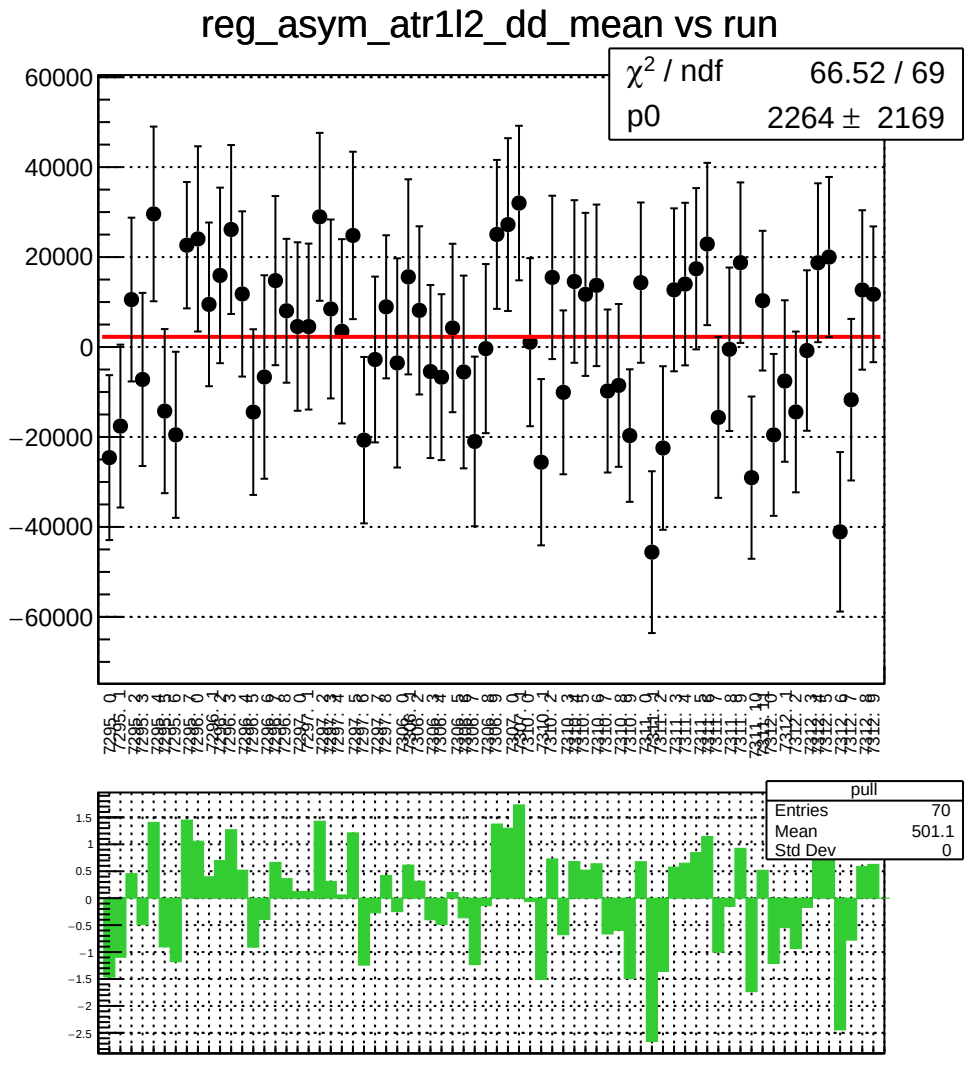

pull1D
Entries 70
Mean 0.01301
Std Dev 0.9854

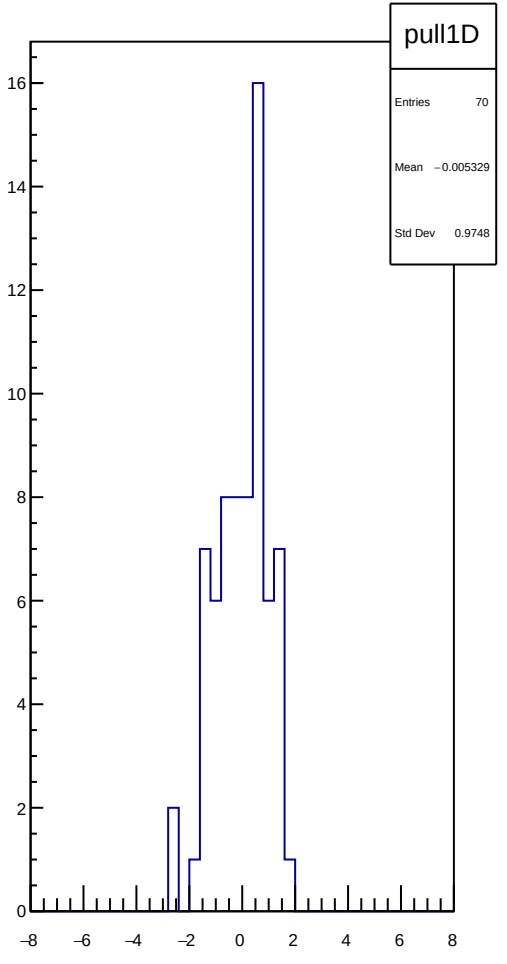

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 69
p0 686.2 ± 0.606
1100
1000
900
800
700
600
500
400
300

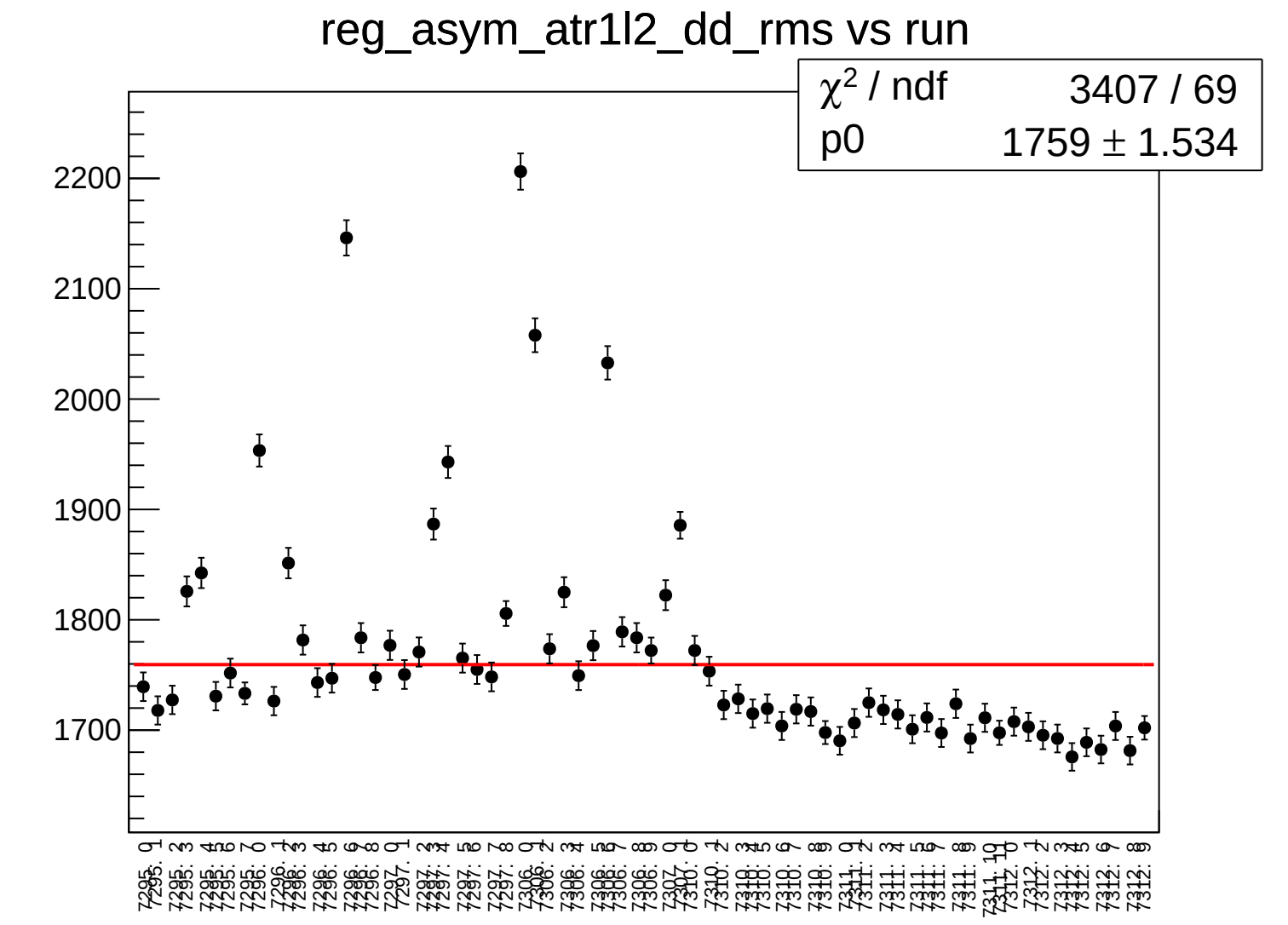

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 61.55 / 69
p0 8.96e−15 ± 7.138e−14
pull
Entries 70
Mean −7.824
Std Dev 0

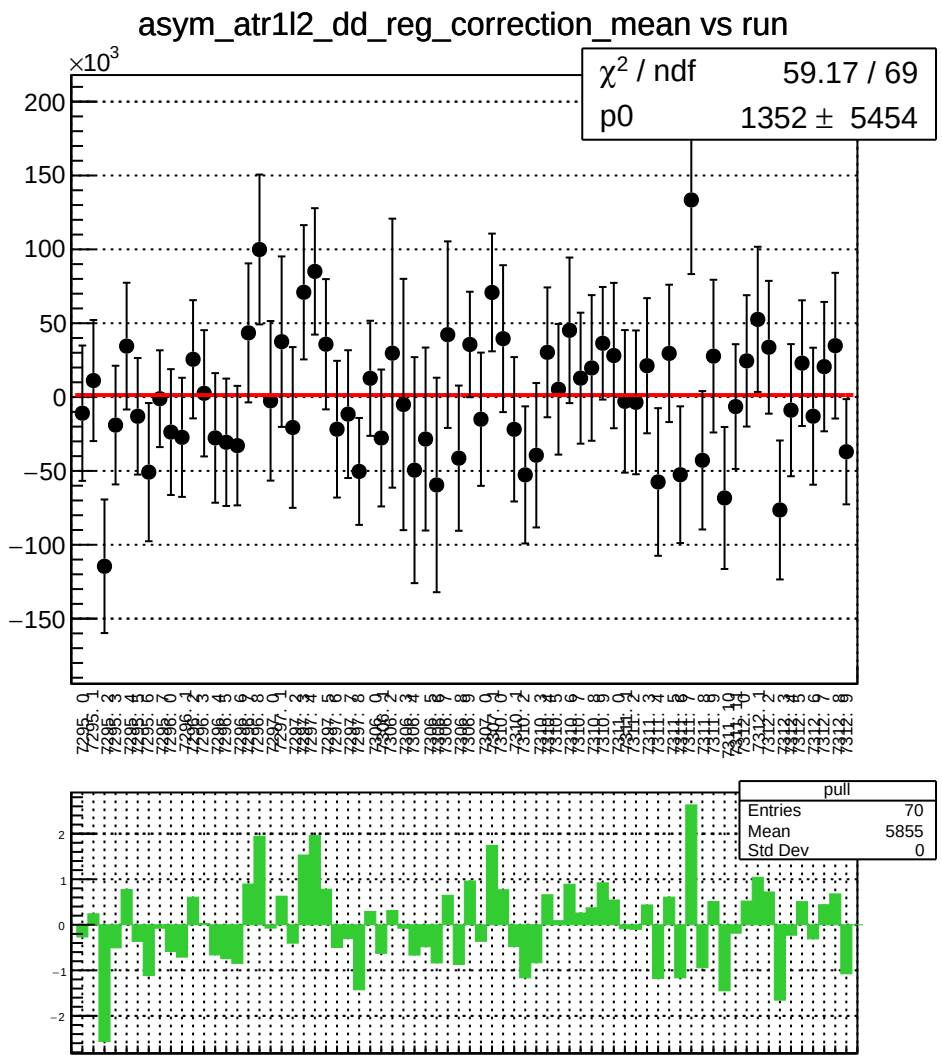

pull1D
Entries 70
Mean 0.08475
Std Dev 0.9339

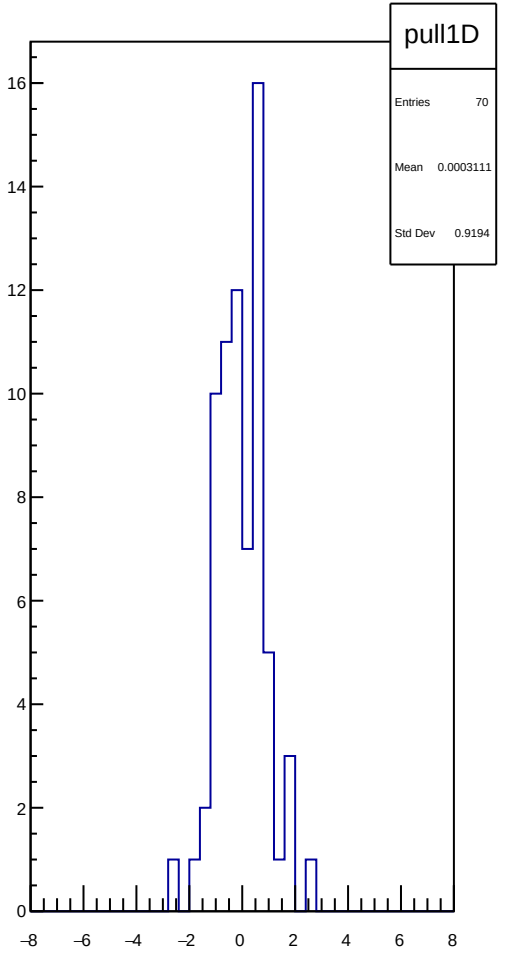

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 3.293e+05 / 69
p0 5.021e−11 ± 5.048e−14

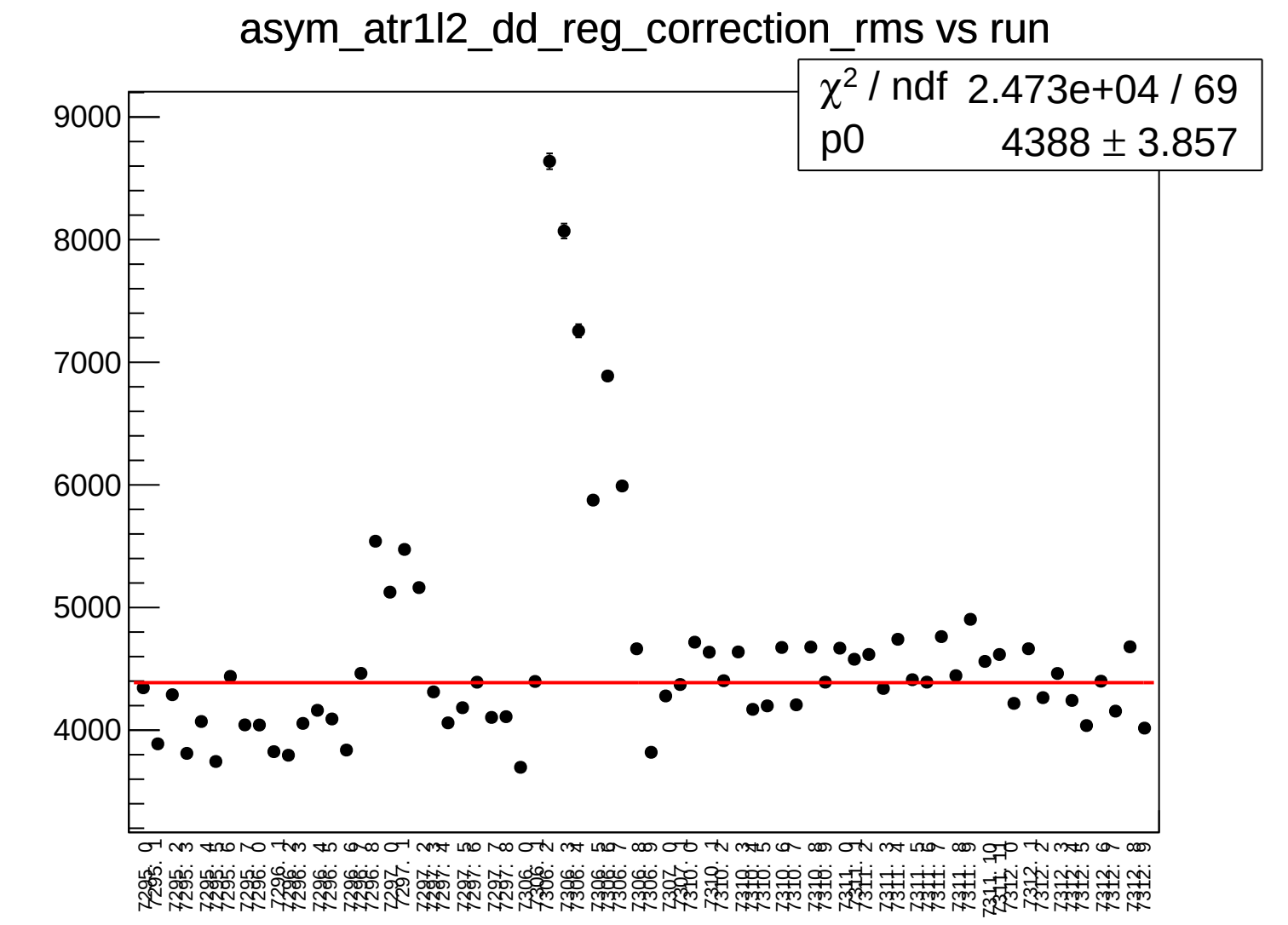

reg_asym_atr1l2_dd_mean vs run
χ^2 / ndf 66.52 / 69
p0 2264 ± 2169
pull
Entries 70
Mean 501.1
Std Dev 0

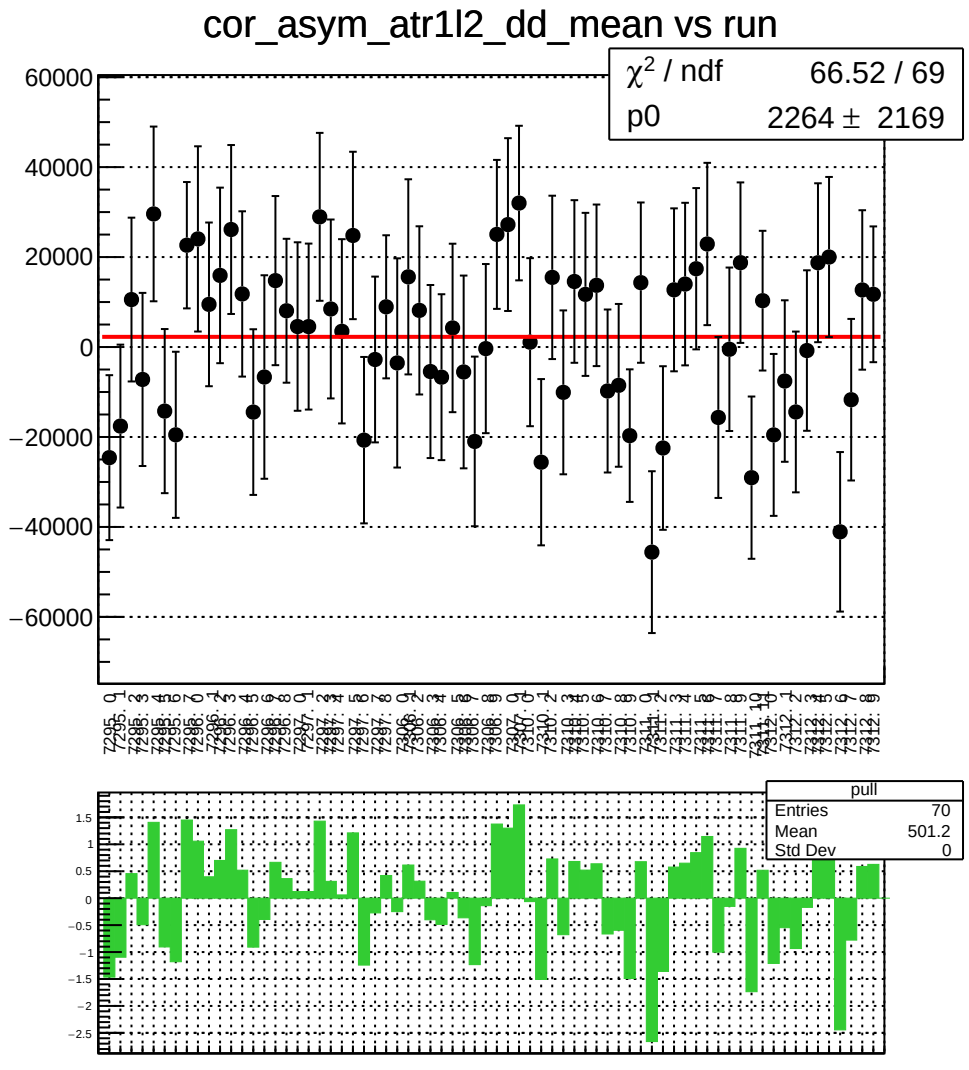

pull1D
Entries 70
Mean −0.005329
Std Dev 0.9748

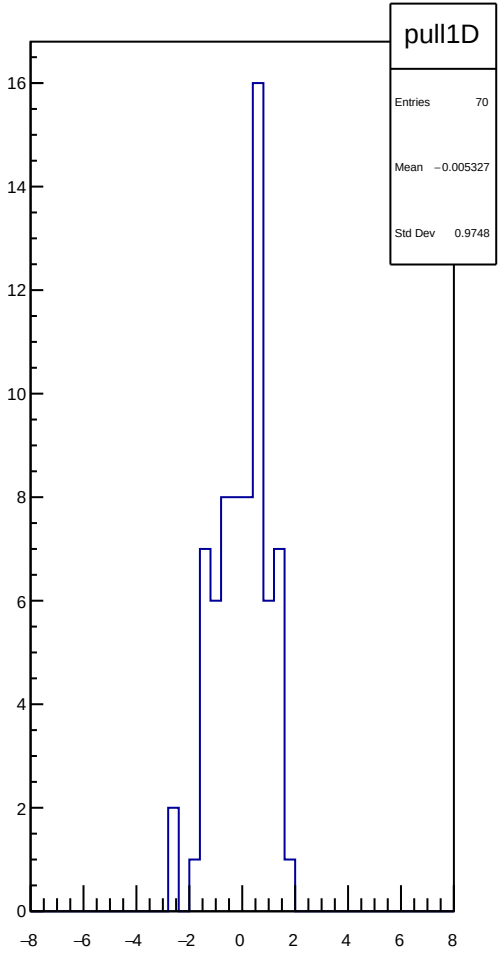

reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 3407 / 69
p0 1759 ± 1.534
2200
2100
2000
1900
1800
1700

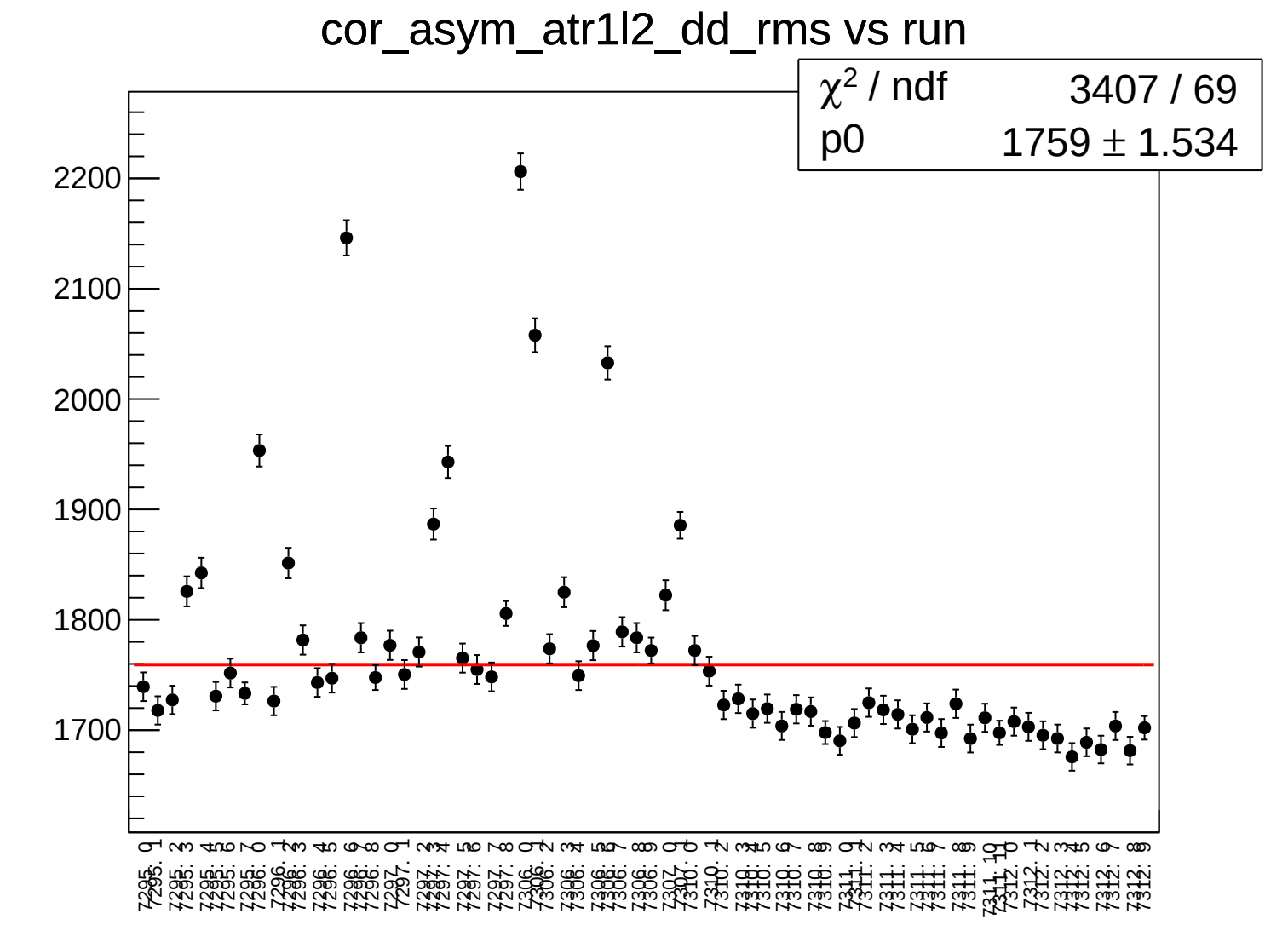

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.17 / 69
p0 1352 ± 5454
pull
Entries 70
Mean 5855
Std Dev 0

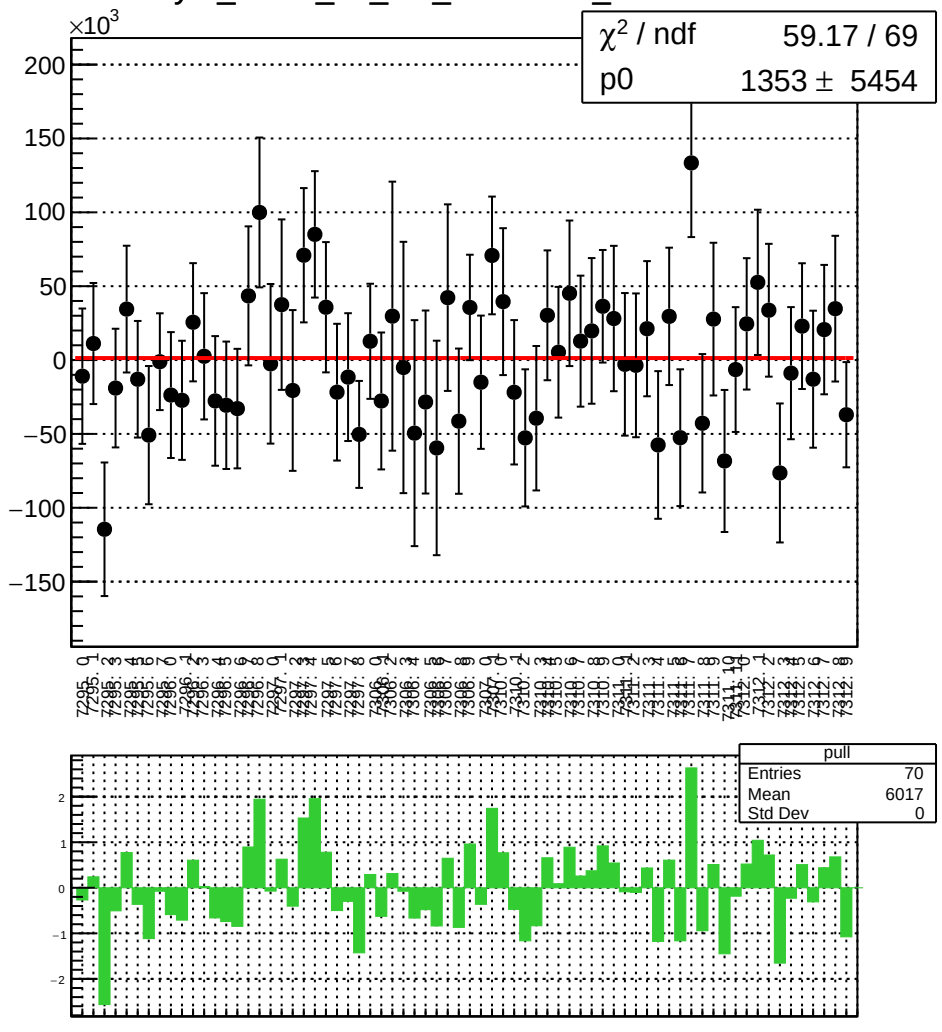

pull1D
Entries 70
Mean 0.0003111
Std Dev 0.9194

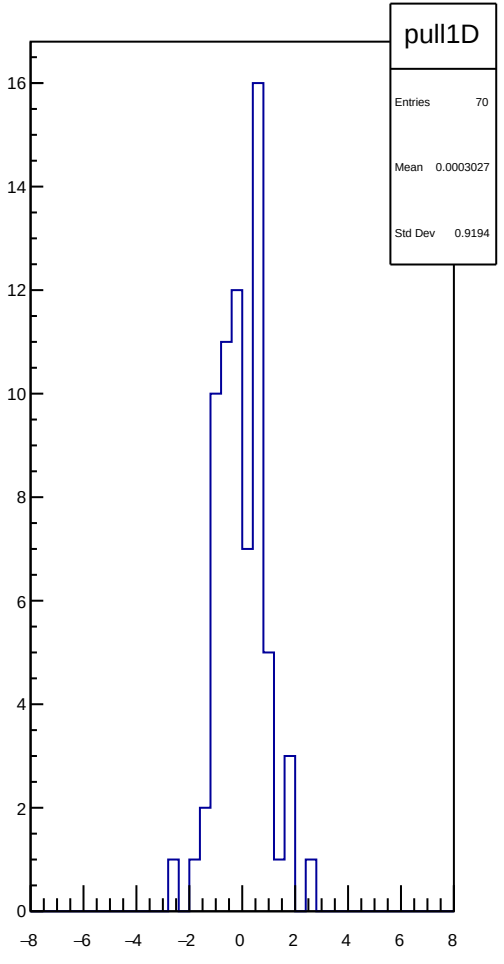

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 2.473e+04 / 69
p0 4388 ± 3.857
9000
8000
7000
6000
5000
4000

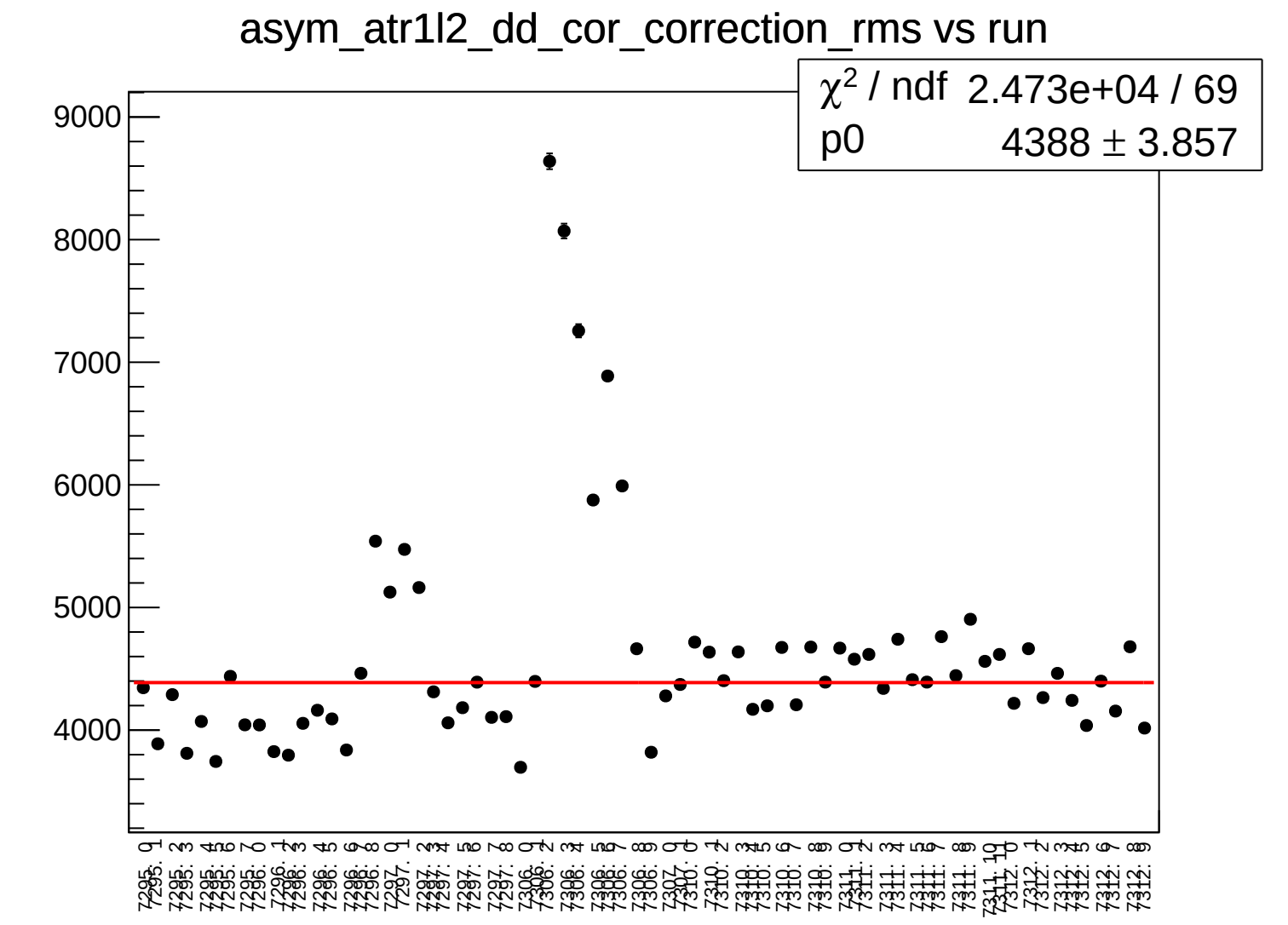

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 66.52 / 69
p0 2264 ± 2169
pull
Entries 70
Mean 501.2
Std Dev 0

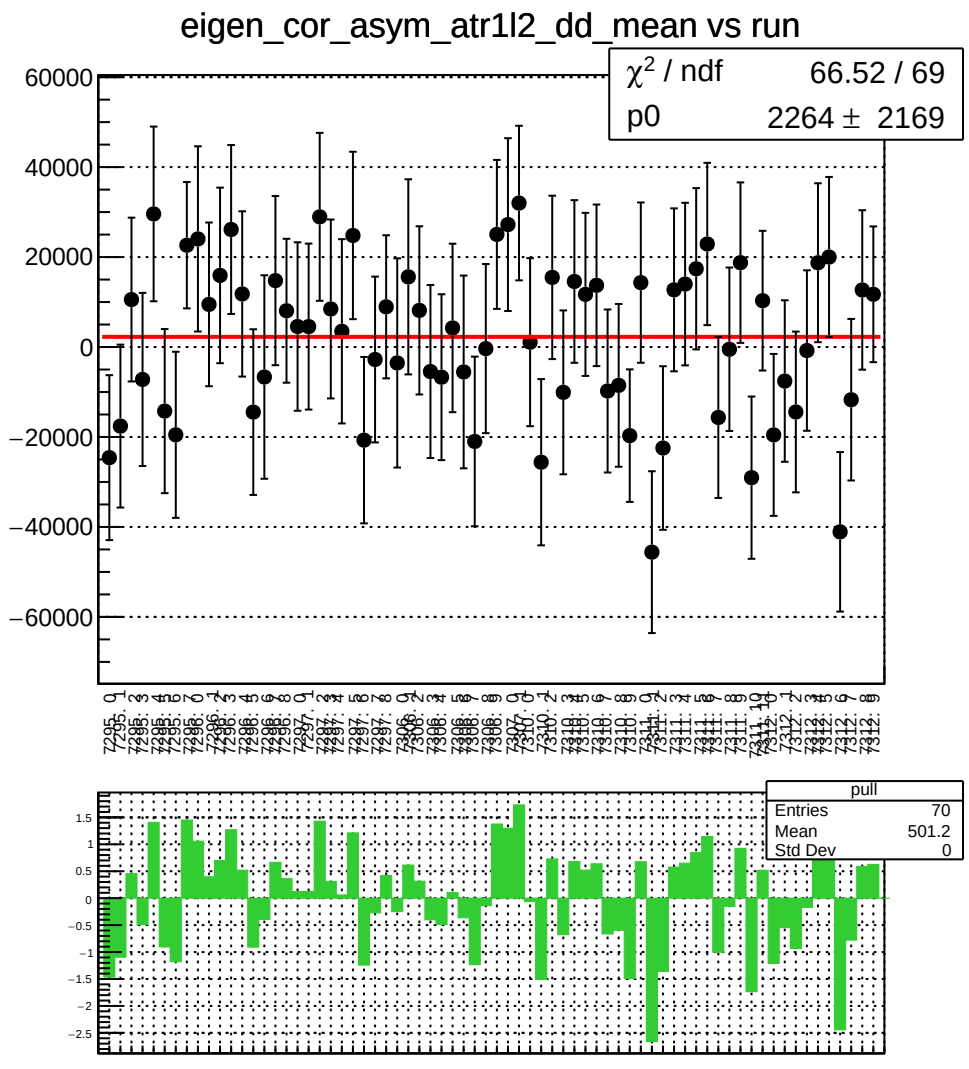

pull1D
Entries 70
Mean −0.005327
Std Dev 0.9748

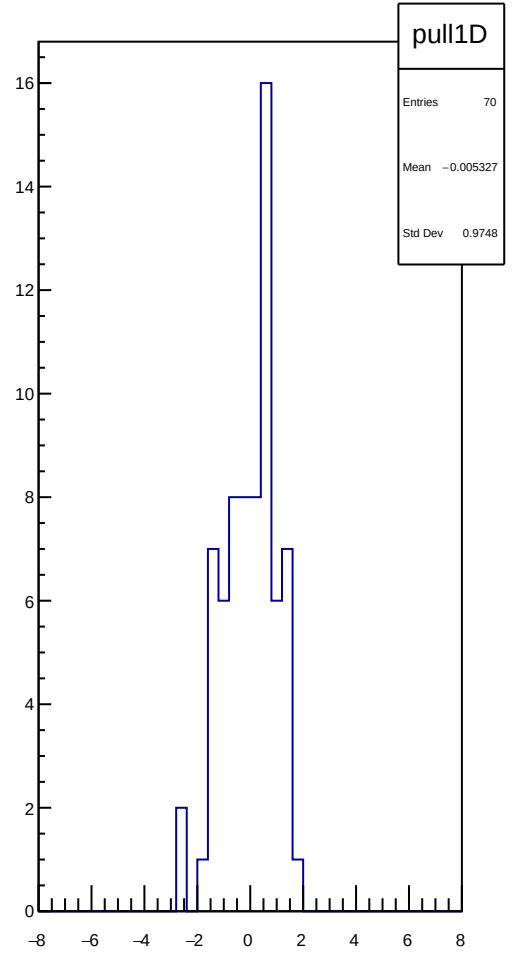

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 3407 / 69
p0 1759 ± 1.534
2200
2100
2000
1900
1800
1700

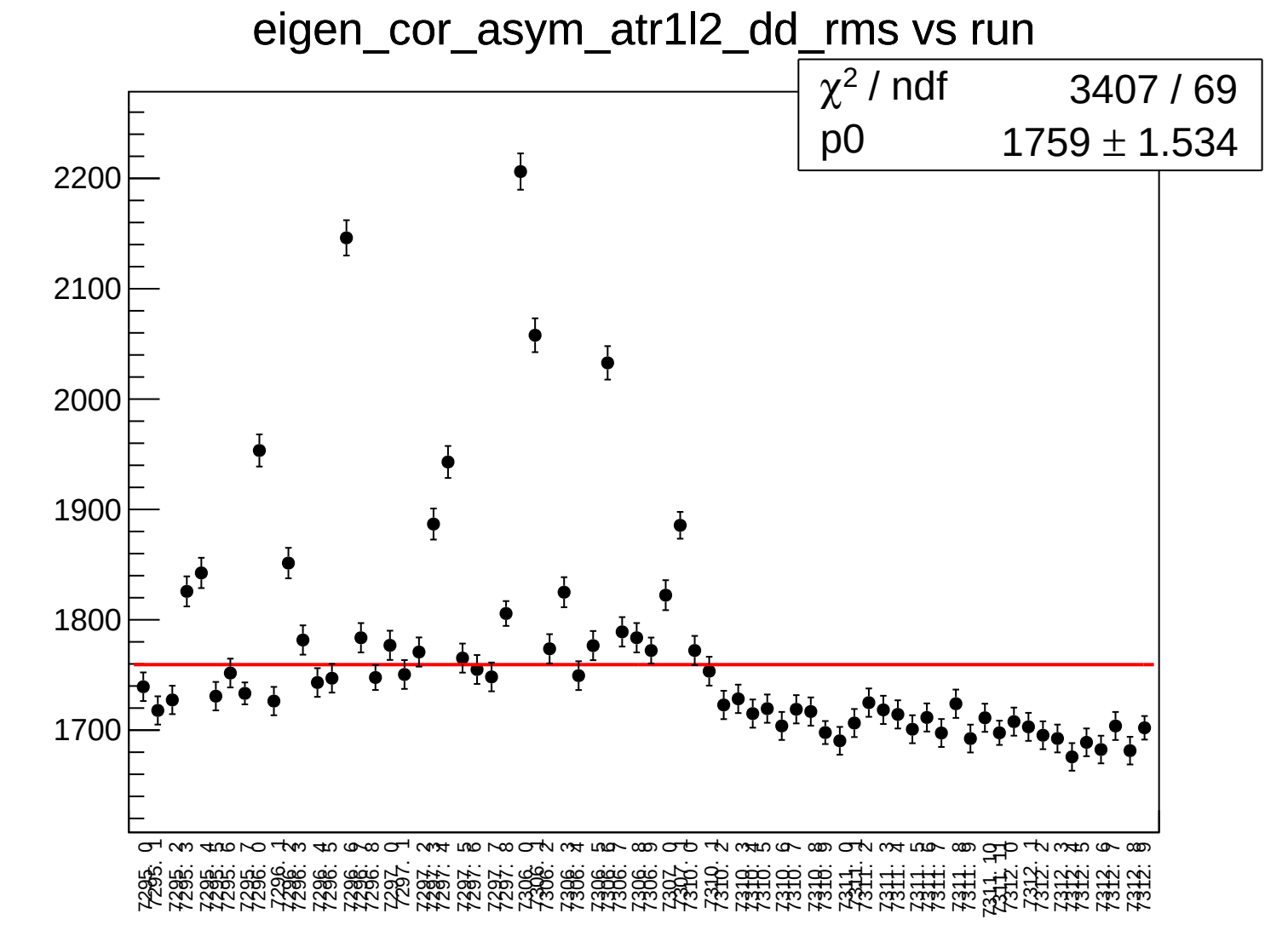

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.17 / 69
p0 1353 ± 5454
pull
Entries 70
Mean 6017
Std Dev 0

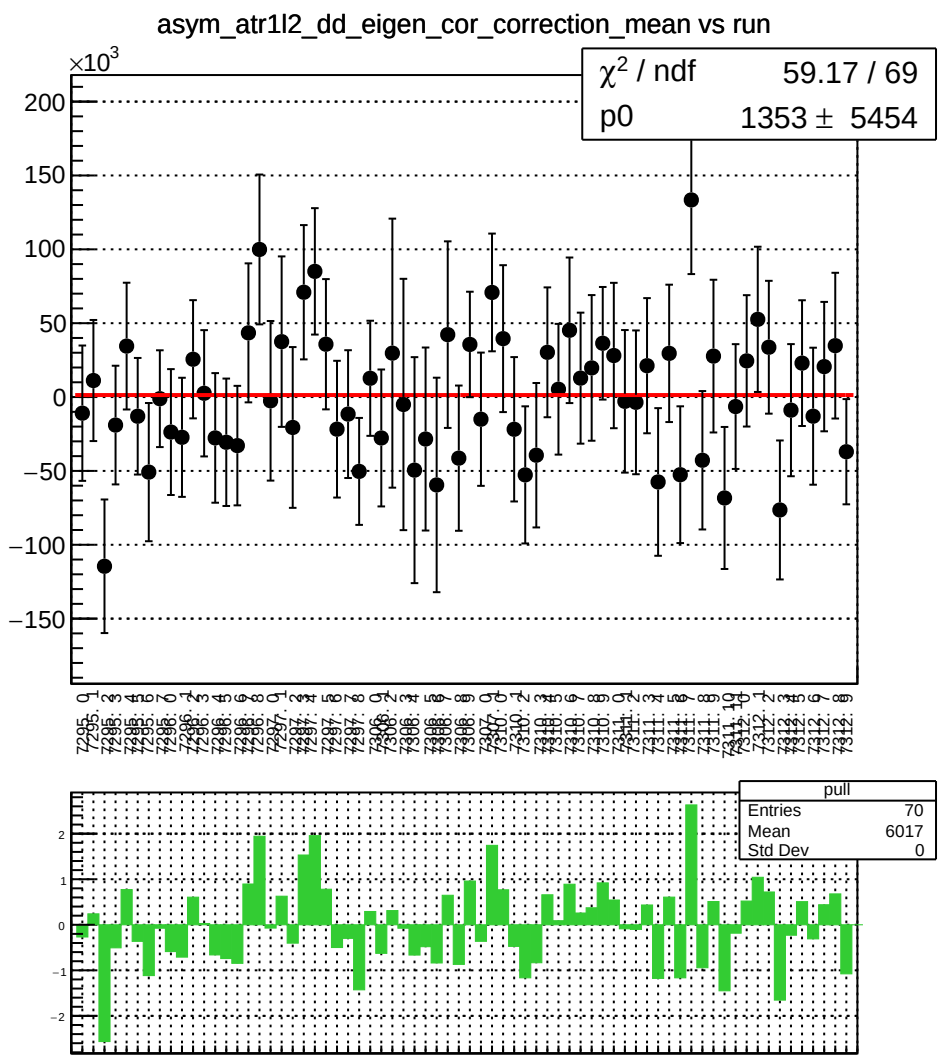

pull1D
Entries 70
Mean 0.0003027
Std Dev 0.9194

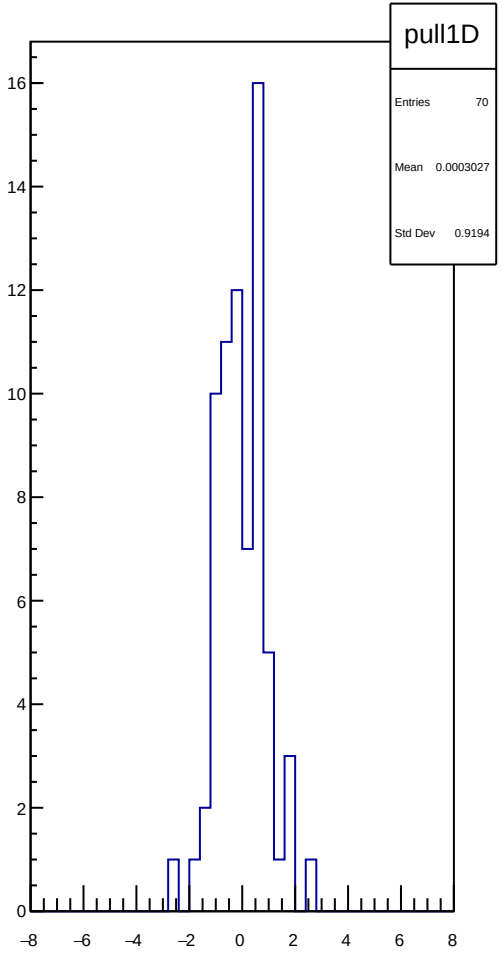

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 2.473e+04 / 69
p0 4388 ± 3.857
9000
8000
7000
6000
5000
4000

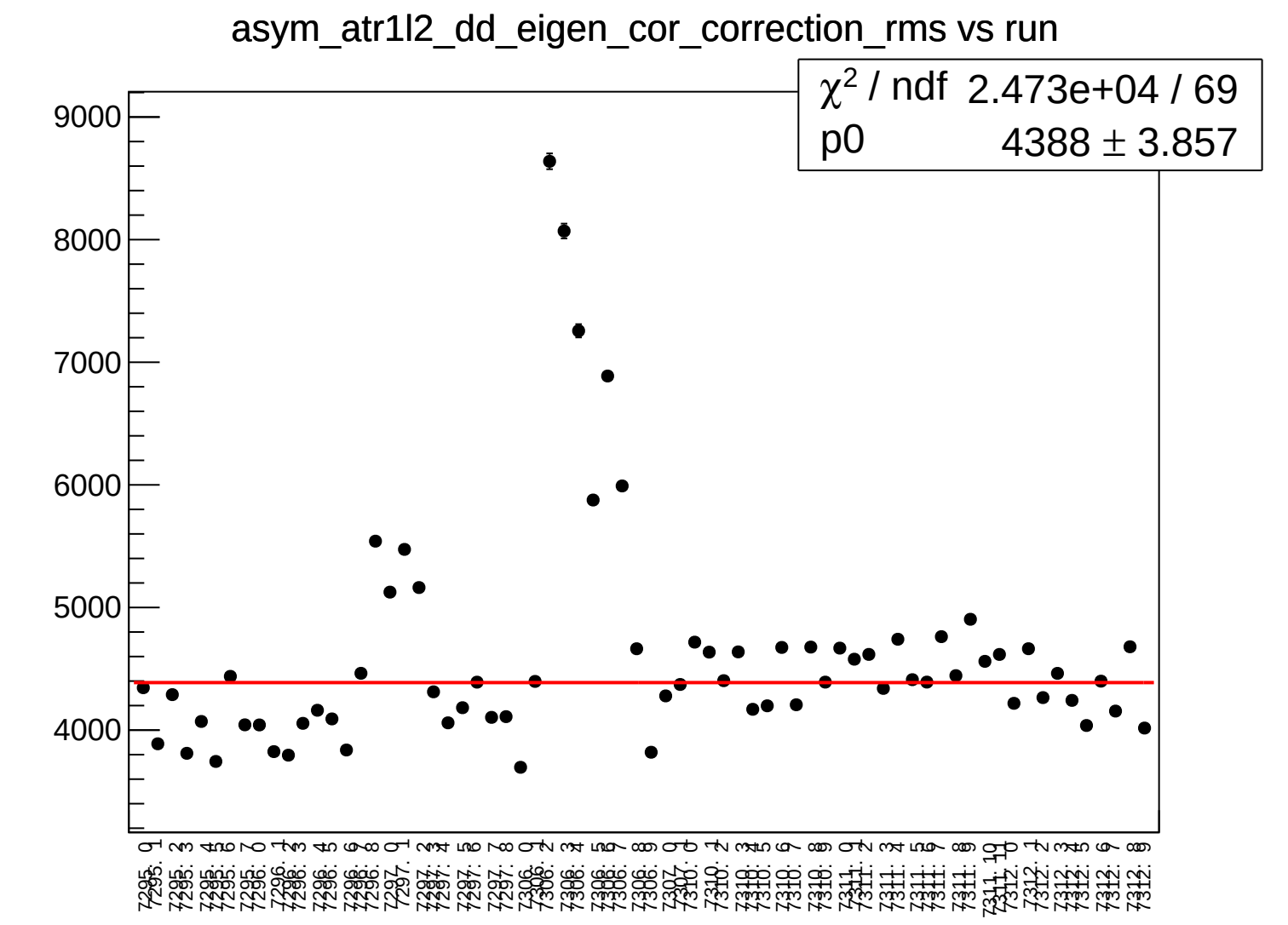

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 66.52 / 69
p0 2264 ± 2169
pull
Entries 70
Mean 501.2
Std Dev 0

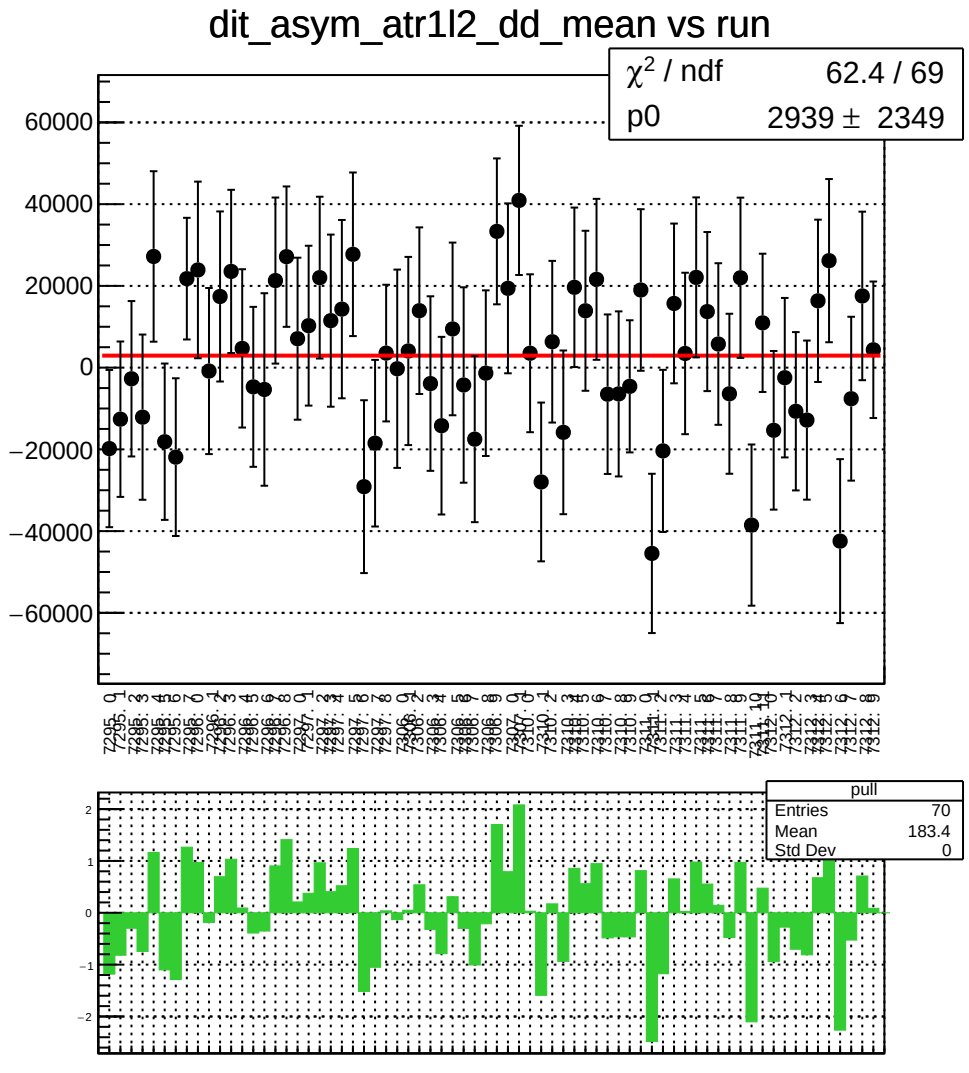

pull1D
Entries 70
Mean −0.005327
Std Dev 0.9748

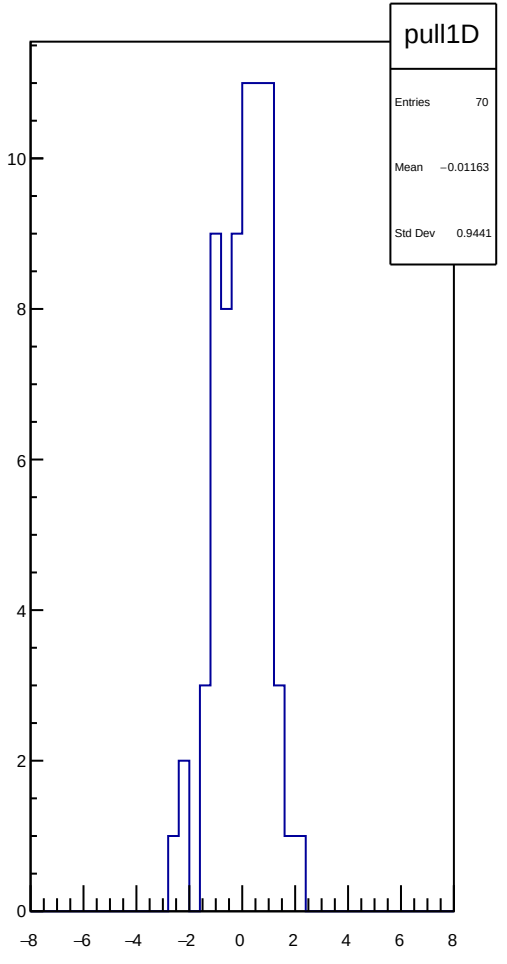

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 3407 / 69
p0 1759 ± 1.534
2200
2100
2000
1900
1800
1700

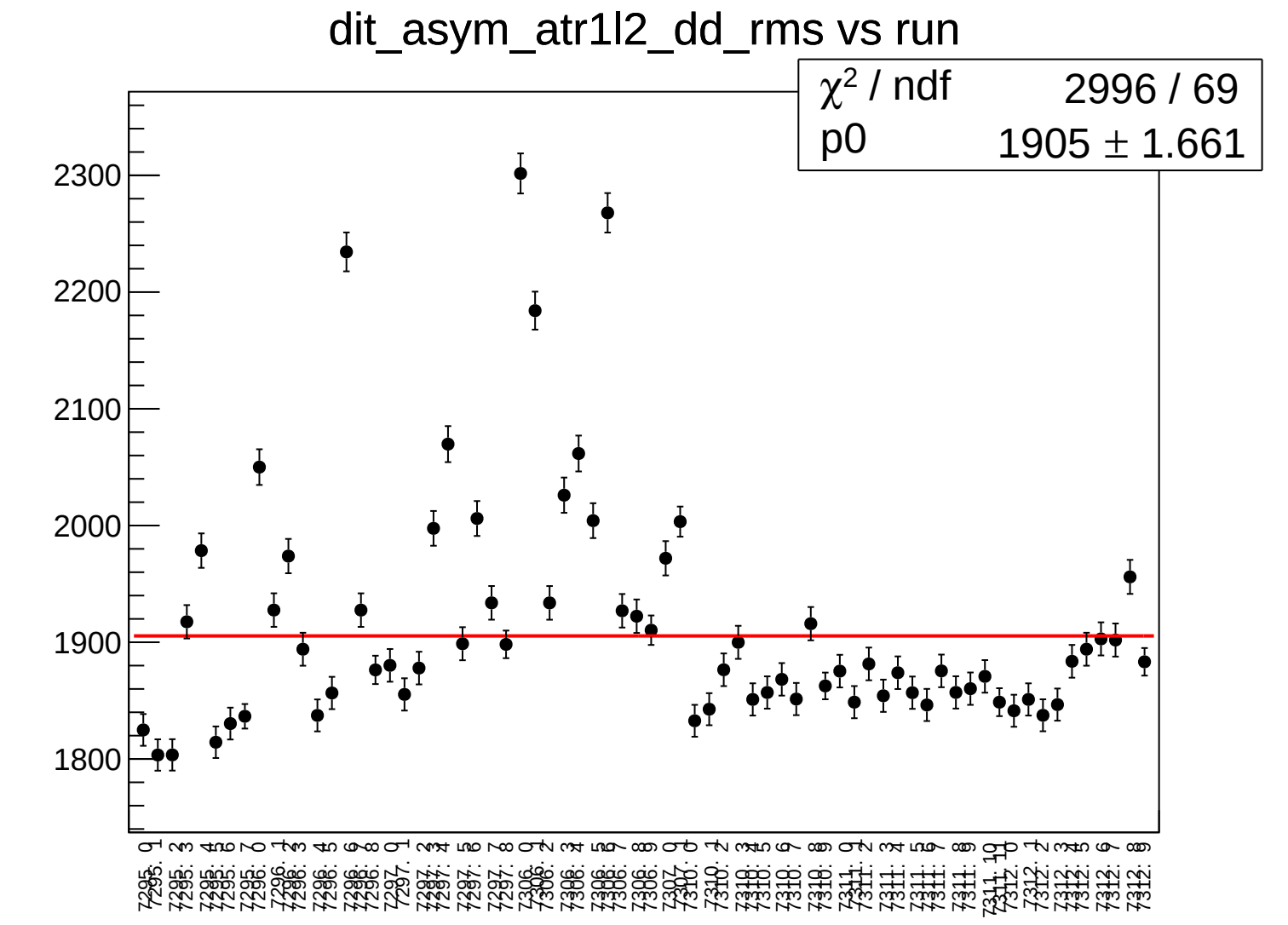

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.17 / 69
p0 1353 ± 5454
pull
Entries 70
Mean 6017
Std Dev 0

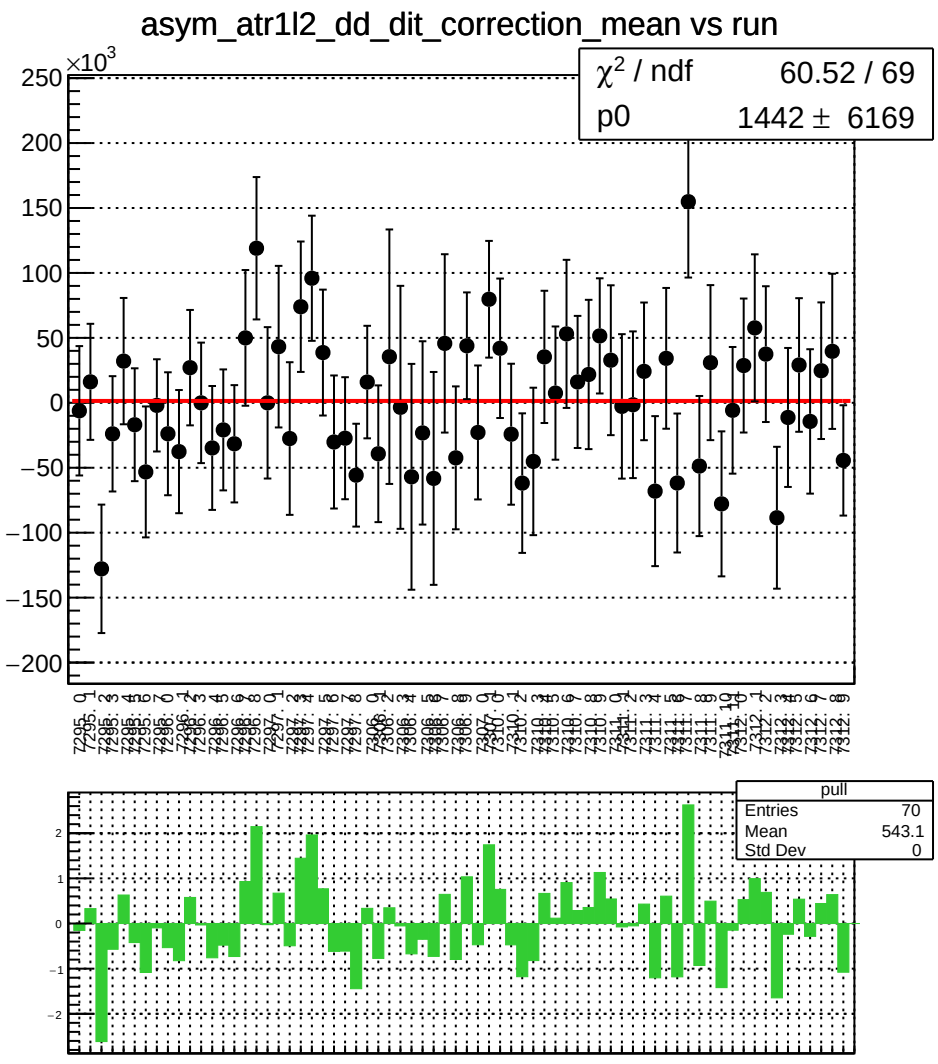

pull1D
Entries 70
Mean 0.0003027
Std Dev 0.9194

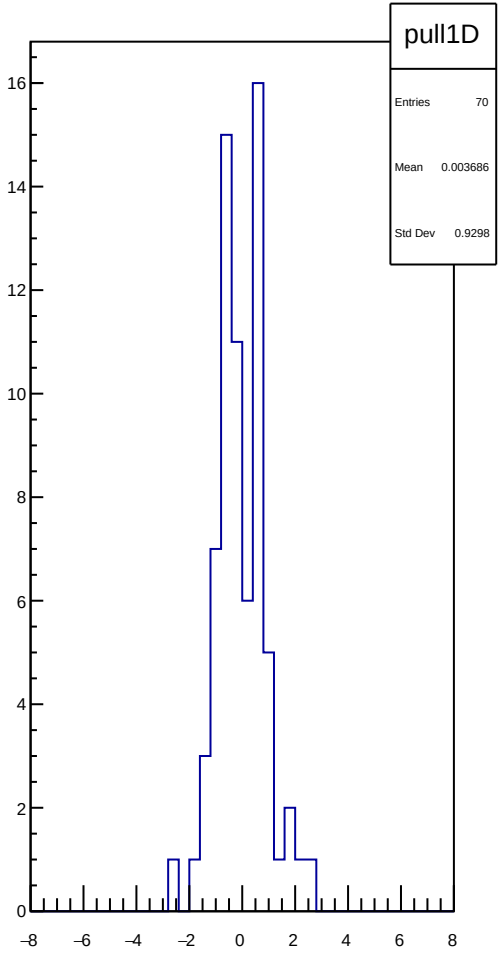

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 2.473e+04 / 69
p0 4388 ± 3.857
9000
8000
7000
6000
5000
4000

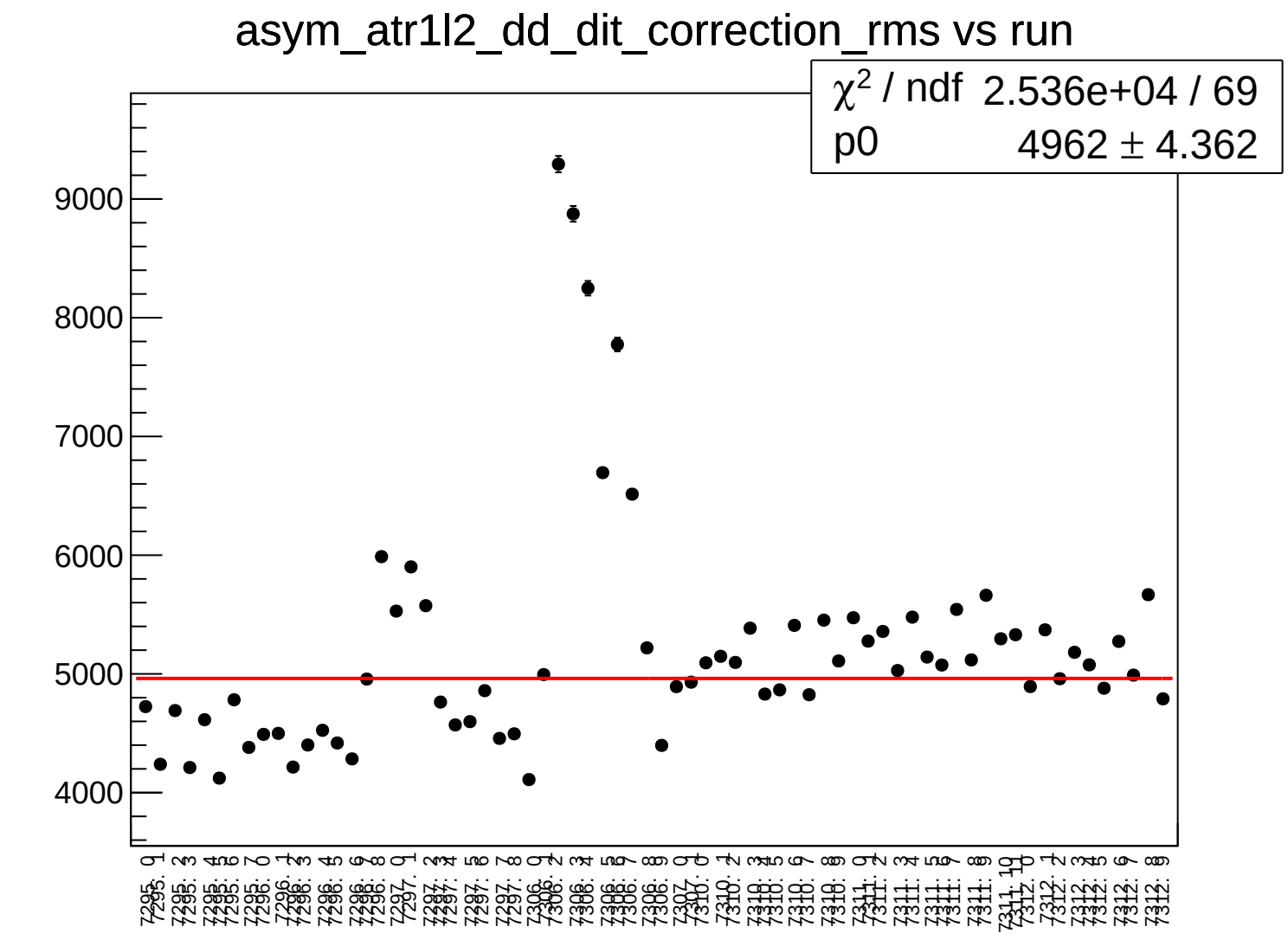

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 62.4 / 69
p0 2939 ± 2349
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 183.4
Std Dev 0
2
1
0
−1
−2

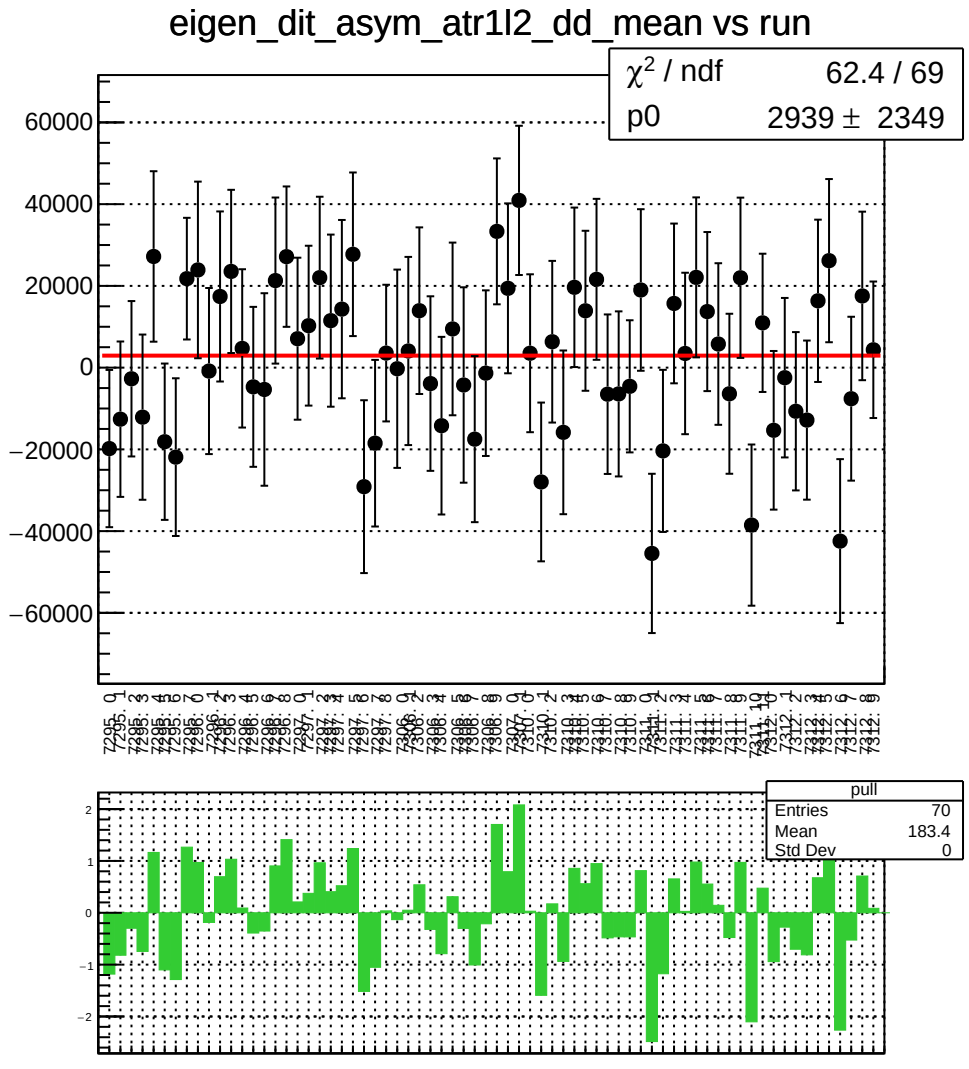

pull1D
Entries 70
Mean −0.01163
Std Dev 0.9441
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

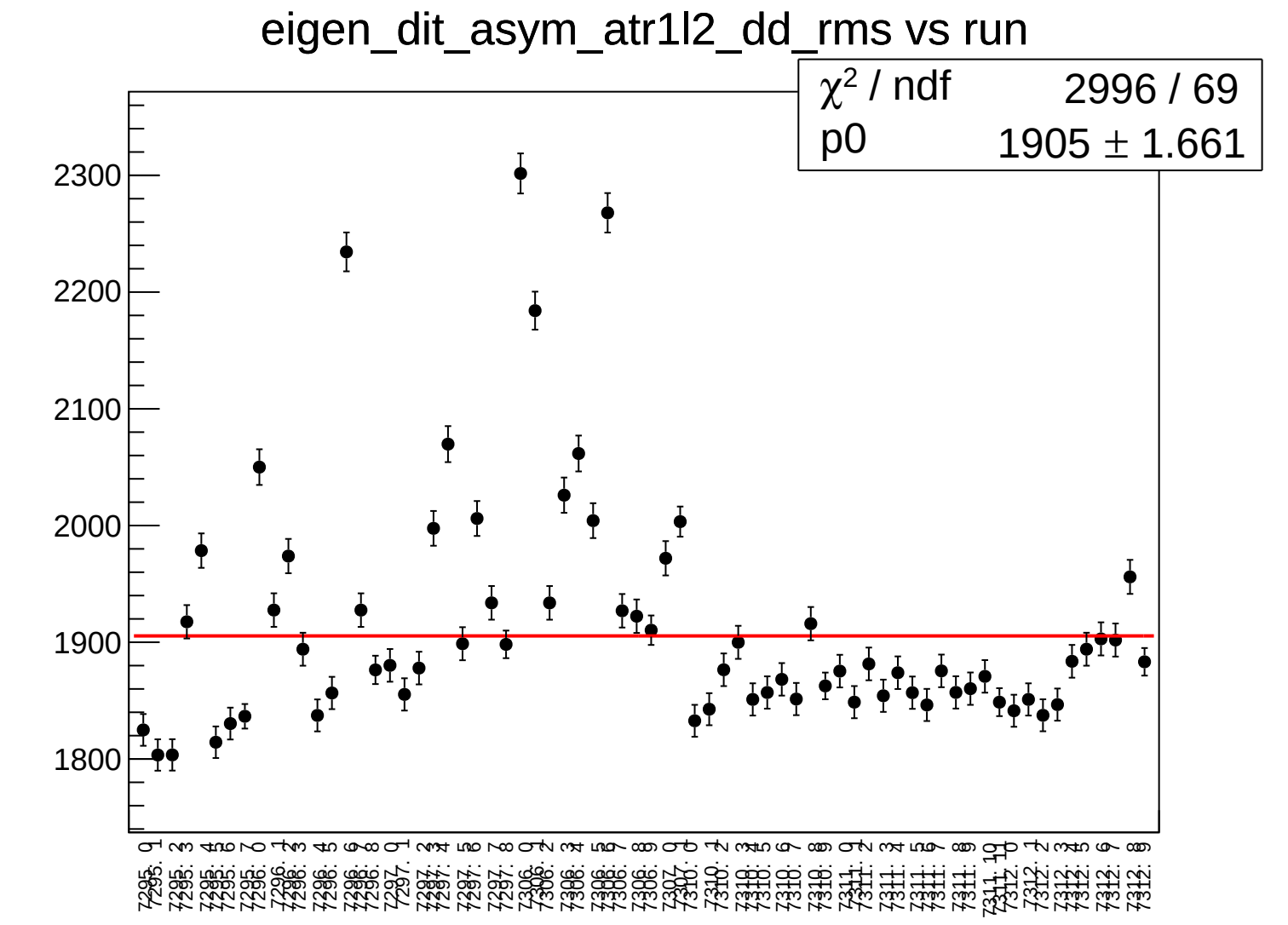

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 2996 / 69
p0 1905 ± 1.661
2300
2200
2100
2000
1900
1800

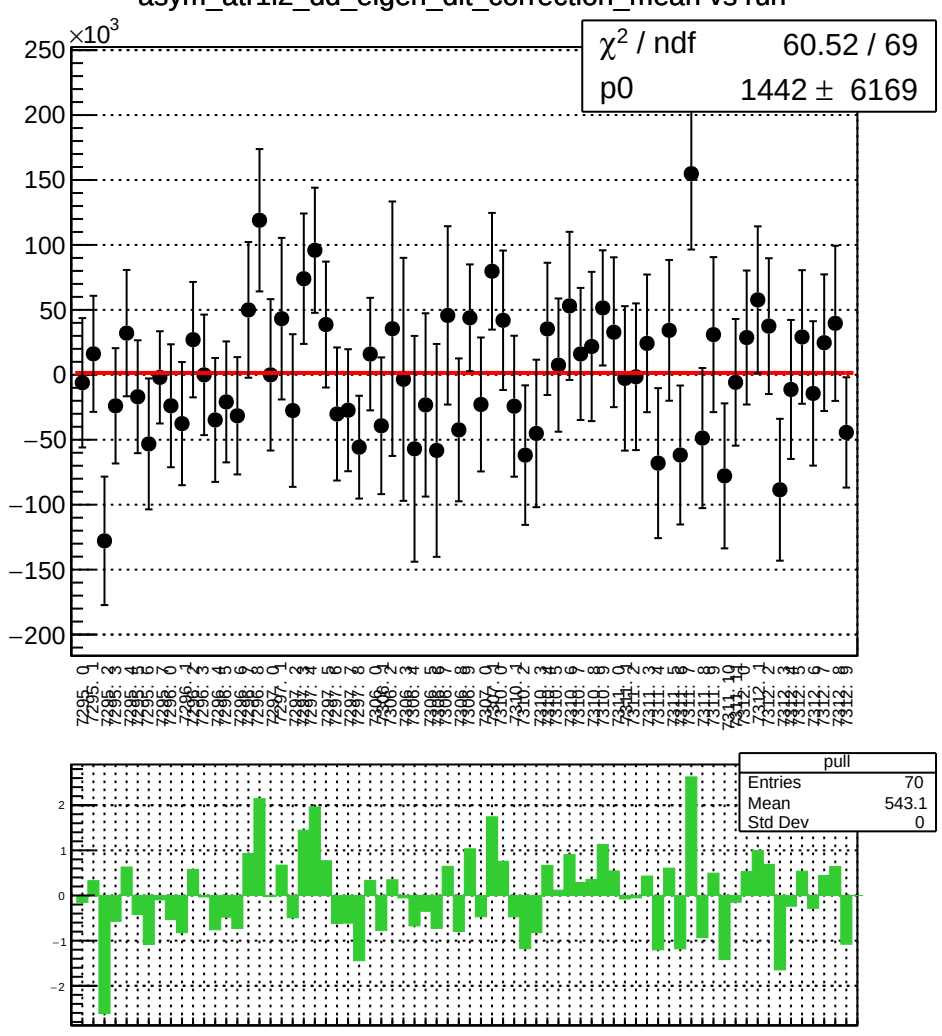

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.52 / 69
p0 1442 ± 6169
pull
Entries 70
Mean 543.1
Std Dev 0

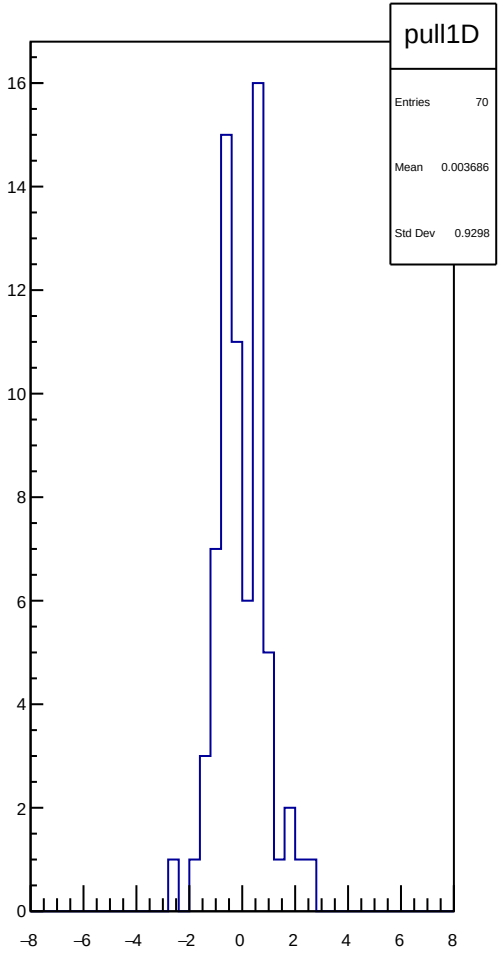

pull1D
Entries 70
Mean 0.003686
Std Dev 0.9298

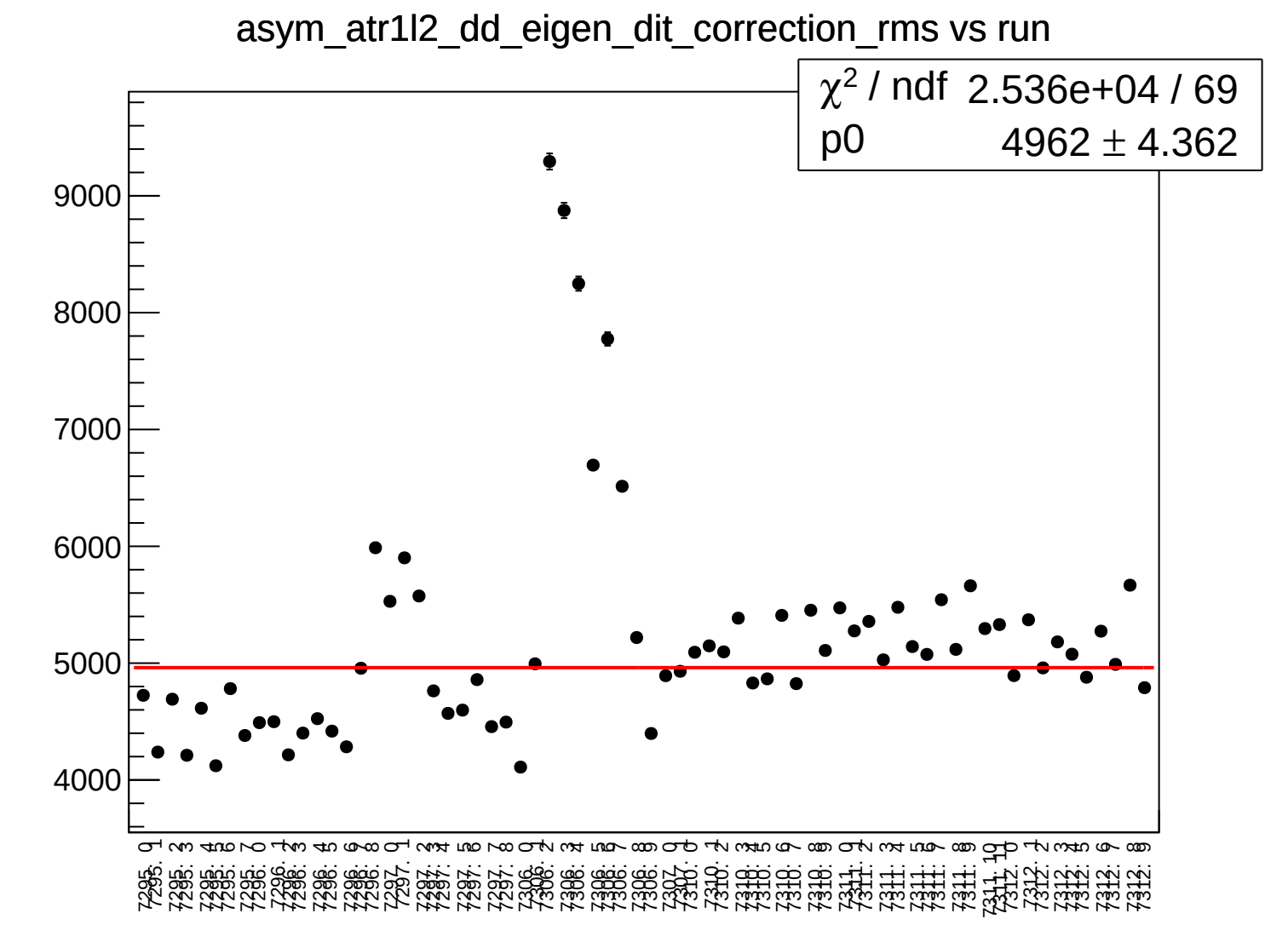

asym_atr1l2_dd_dit_correction_rms vs run
χ^2 / ndf 2.536e+04 / 69
p0 4962 ± 4.362
9000
8000
7000
6000
5000
4000

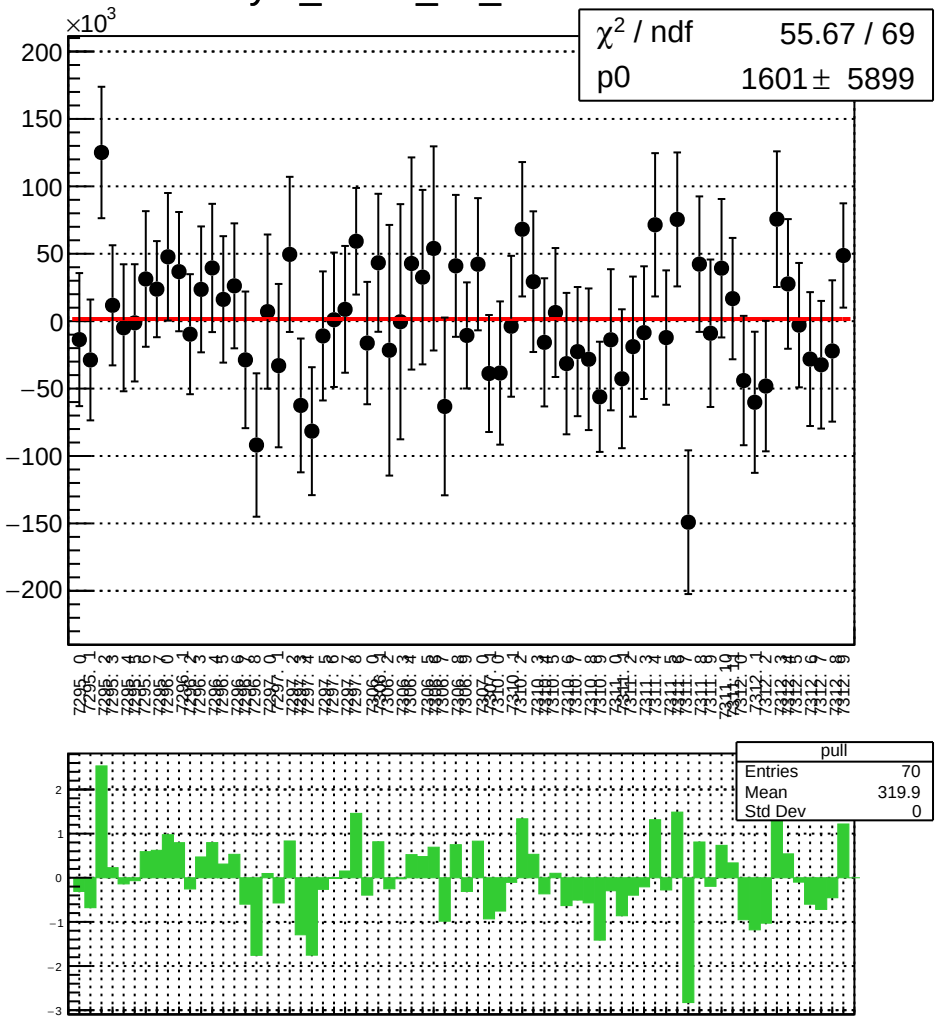

eigen_dit_asym_atr1l2_dd_mean vs run
χ^2 / ndf 62.4 / 69
p0 2939 ± 2349
pull
Entries 70
Mean 183.4
Std Dev 0
pull1D
Entries 70
Mean −0.01163
Std Dev 0.9441

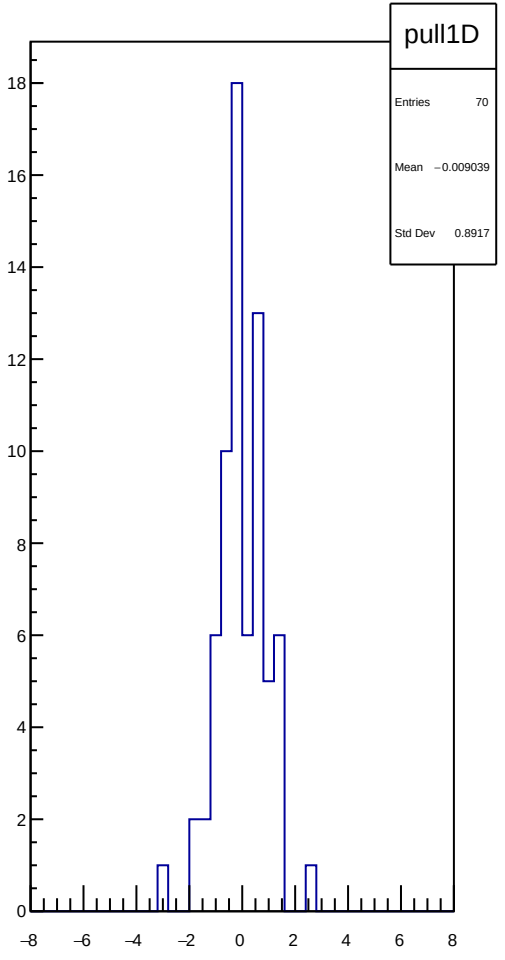

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 2996 / 69
p0 1905 ± 1.661
2300
2200
2100
2000
1900
1800

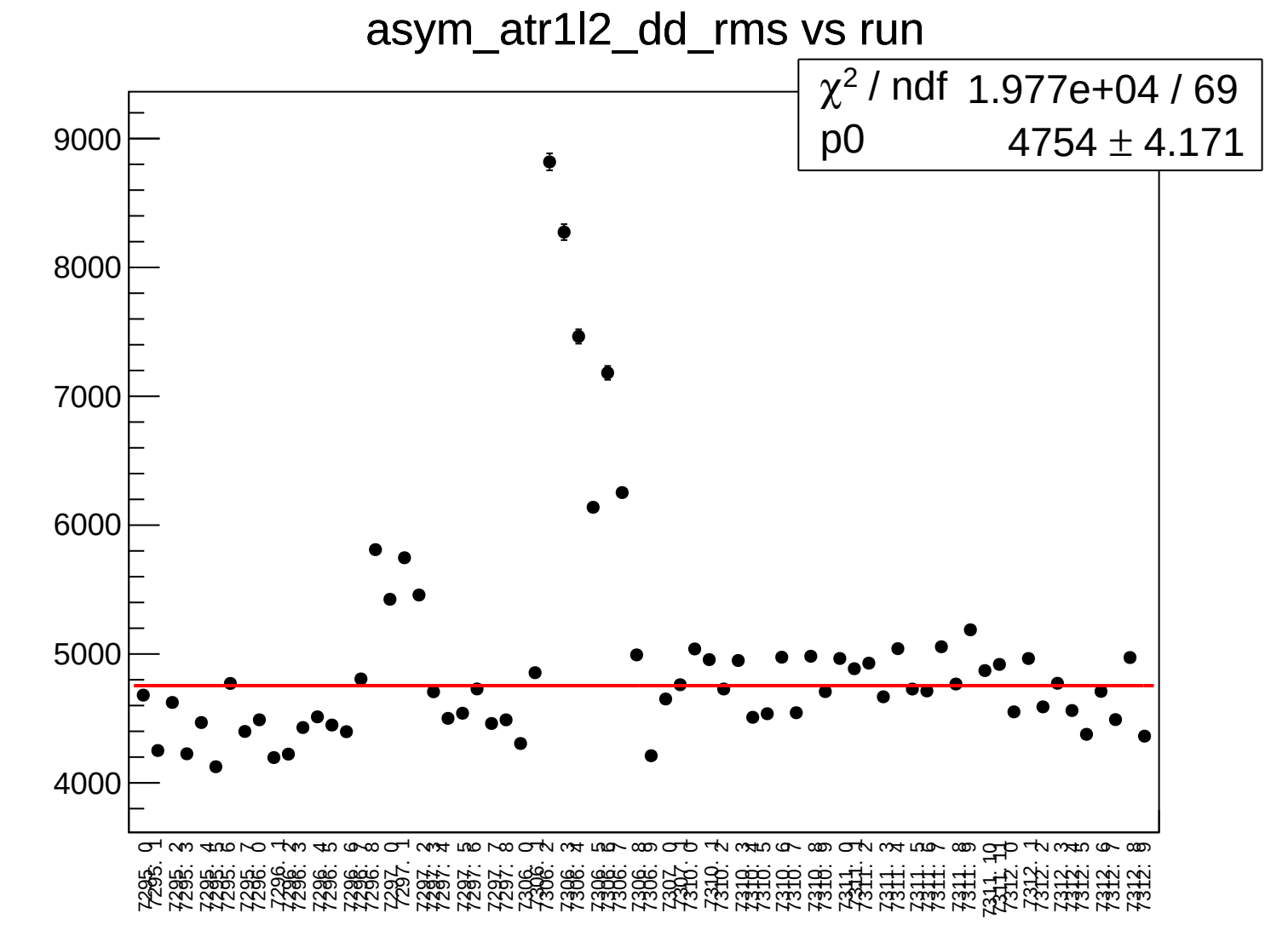

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.52 / 69
p0 1442 ± 6169
pull
Entries 70
Mean 543.1
Std Dev 0

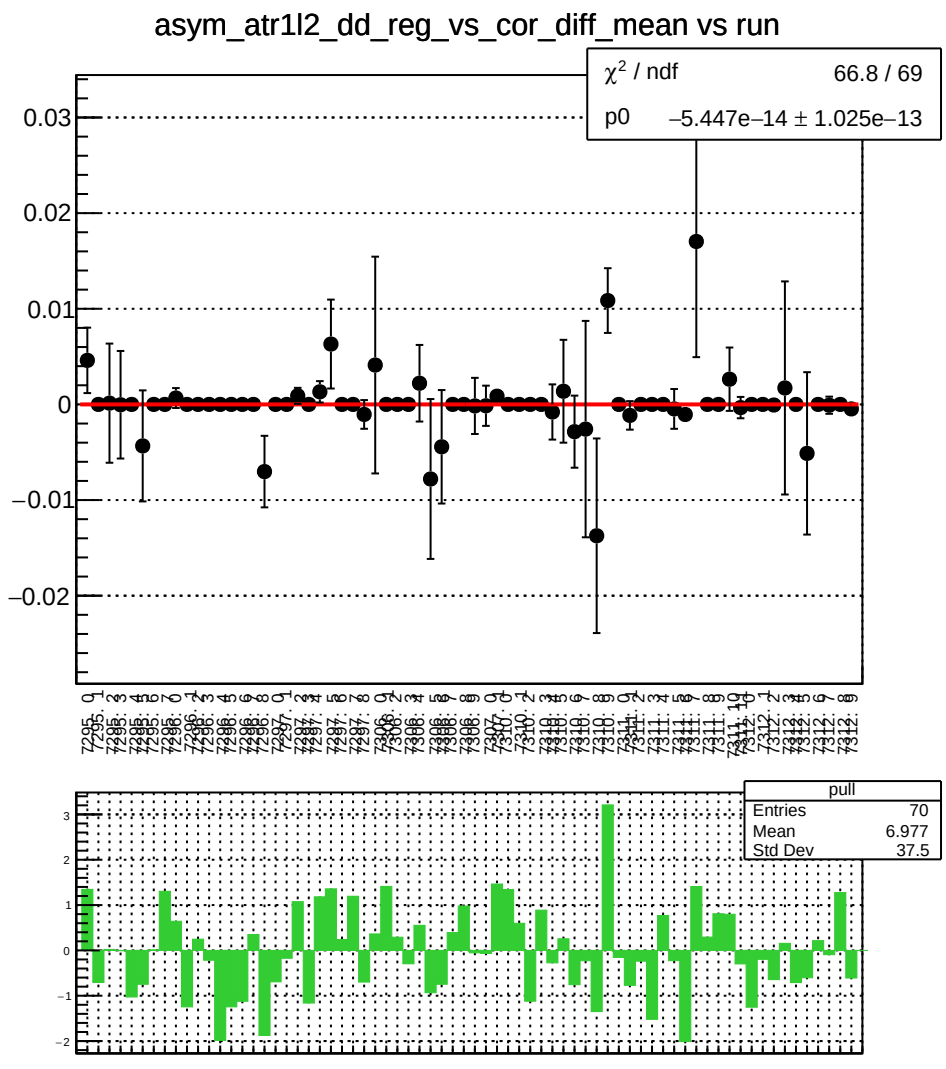

pull1D
Entries 70
Mean 0.003686
Std Dev 0.9298

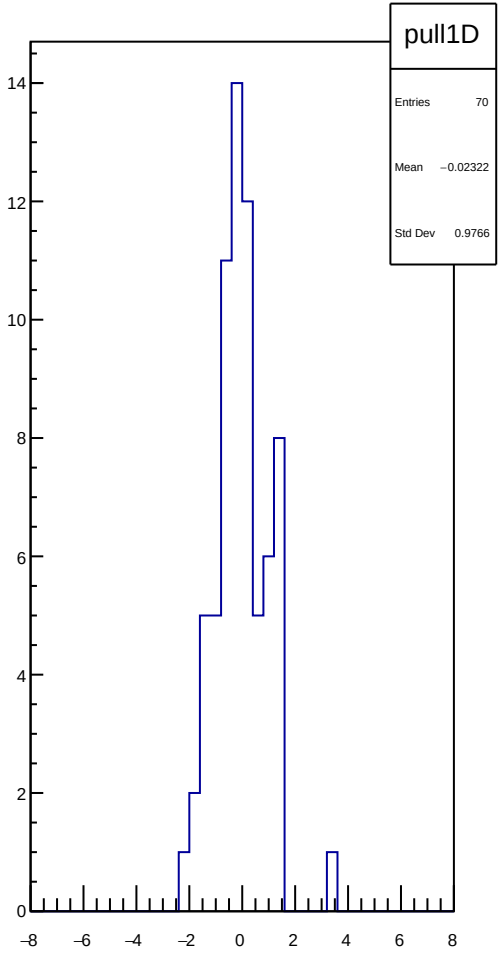

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 2.536e+04 / 69
p0 4962 ± 4.362
9000
8000
7000
6000
5000
4000

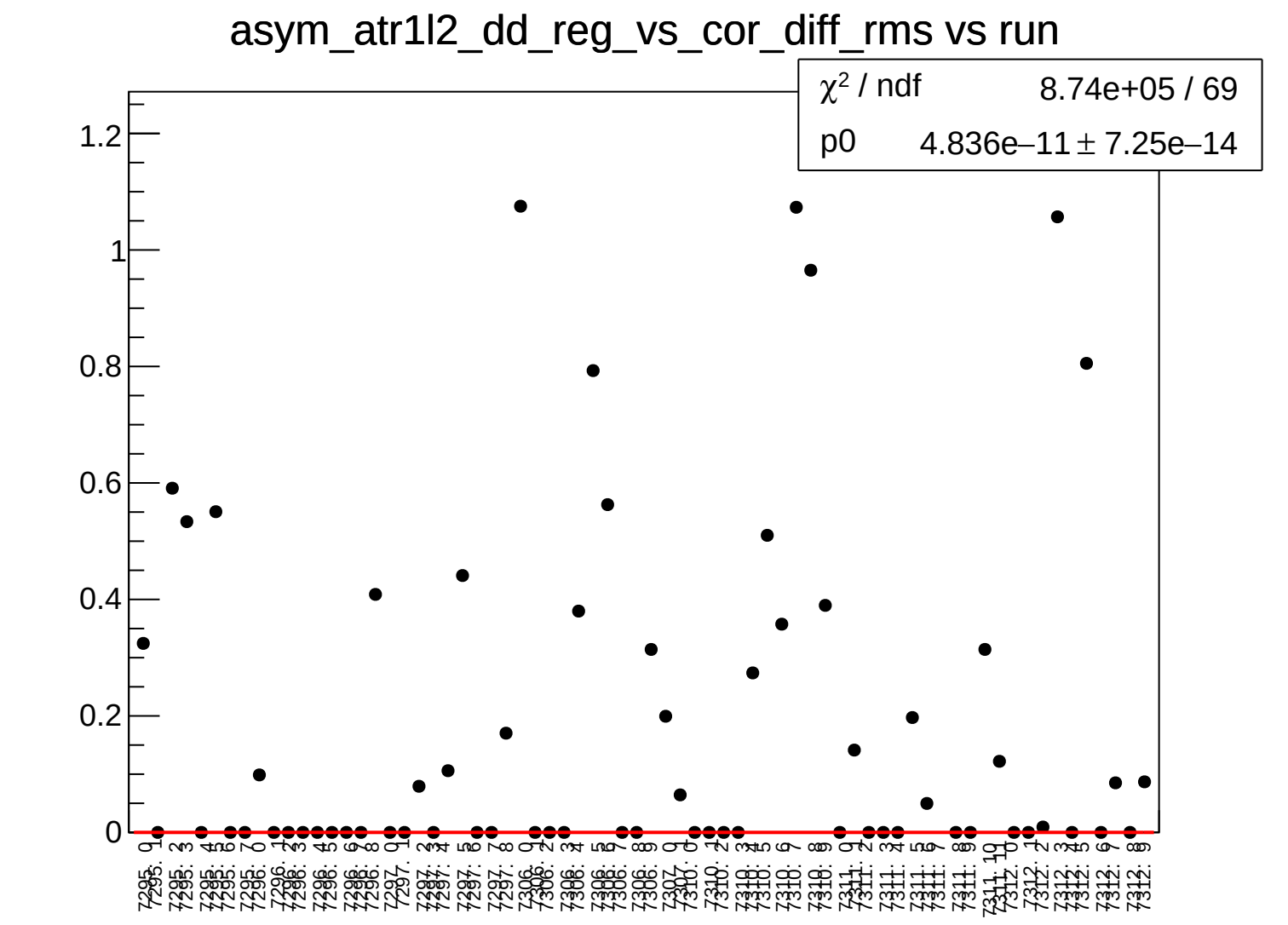

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 55.67 / 69
p0 1601 ± 5899
pull
Entries 70
Mean 319.9
Std Dev 0

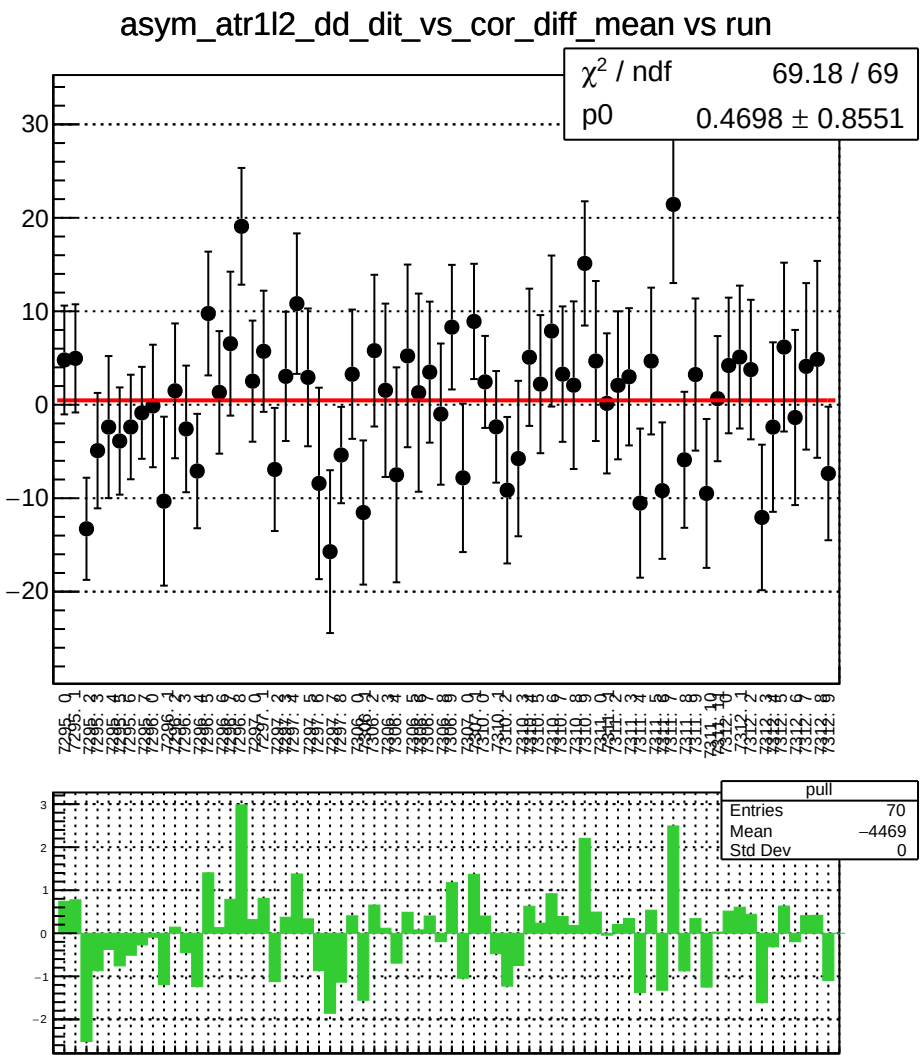

pull1D
Entries 70
Mean −0.009039
Std Dev 0.8917

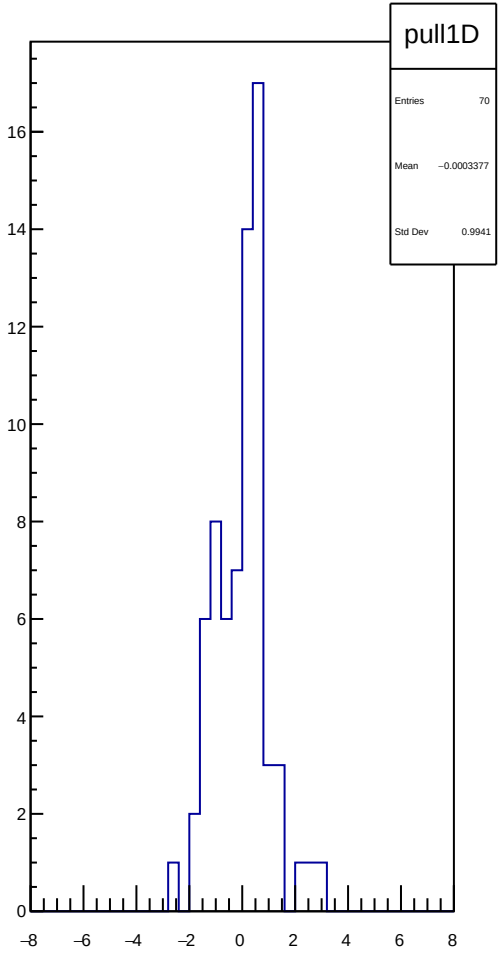

asym_atr1l2_dd_rms vs run
χ^2 / ndf 1.977e+04 / 69
p0 4754 ± 4.171
9000
8000
7000
6000
5000
4000

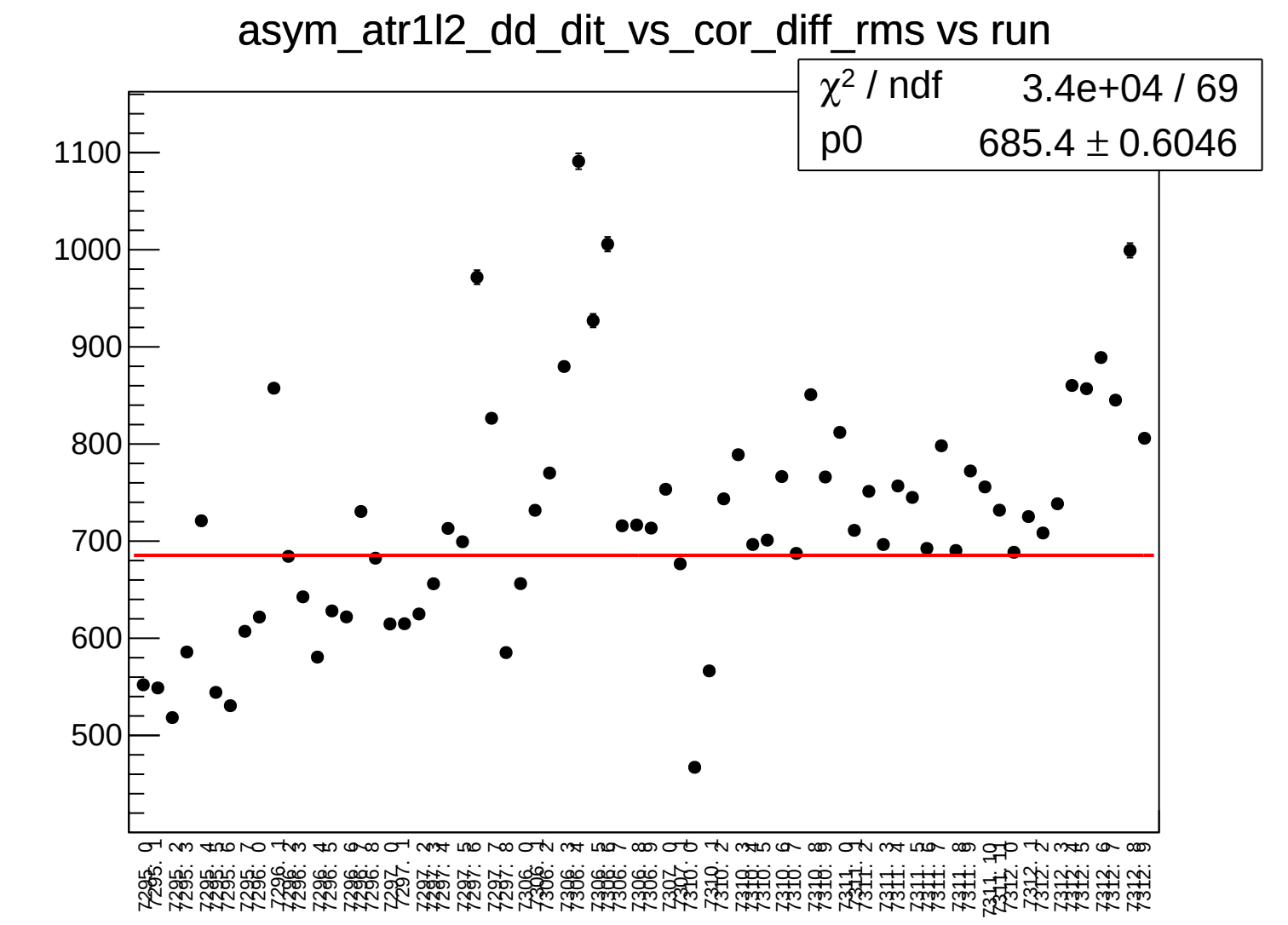

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 69
p0 −5.447e−14 ± 1.025e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean 6.977
Std Dev 37.5
3
2
1
0
−1
−2

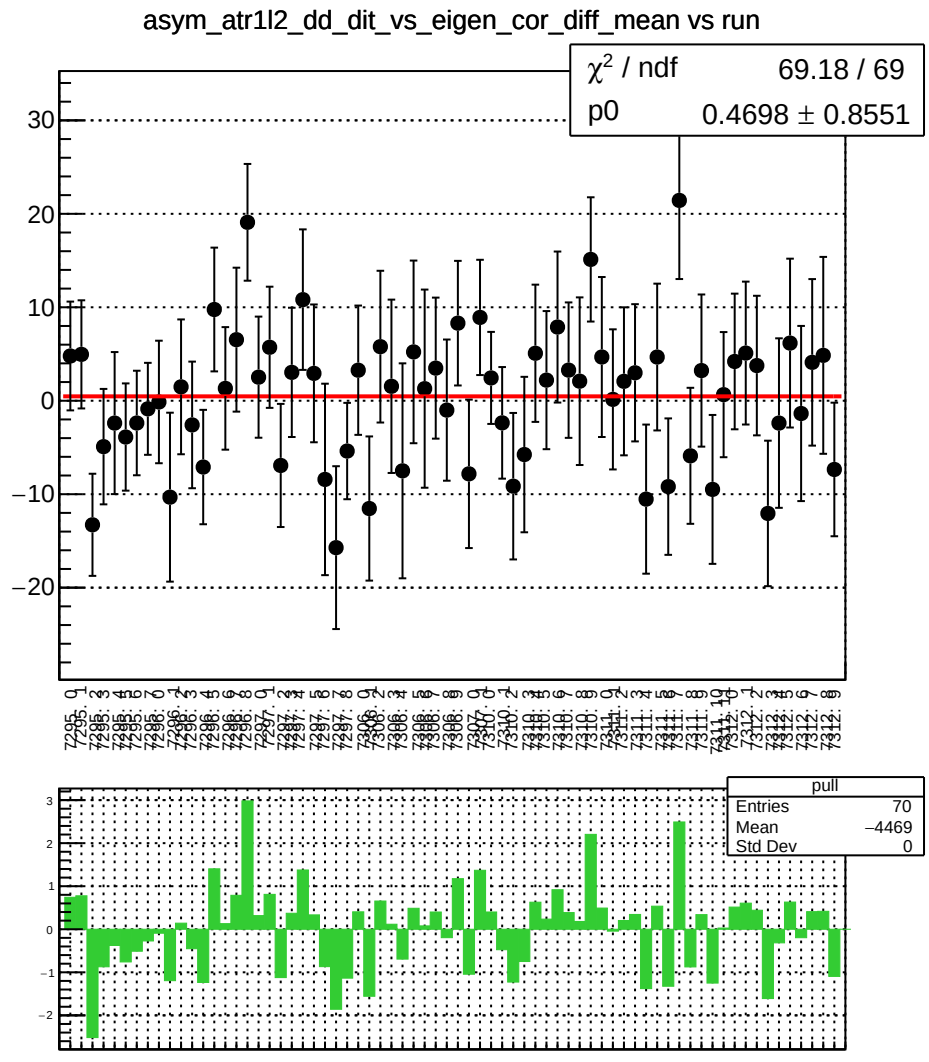

pull1D
Entries 70
Mean −0.02322
Std Dev 0.9766
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

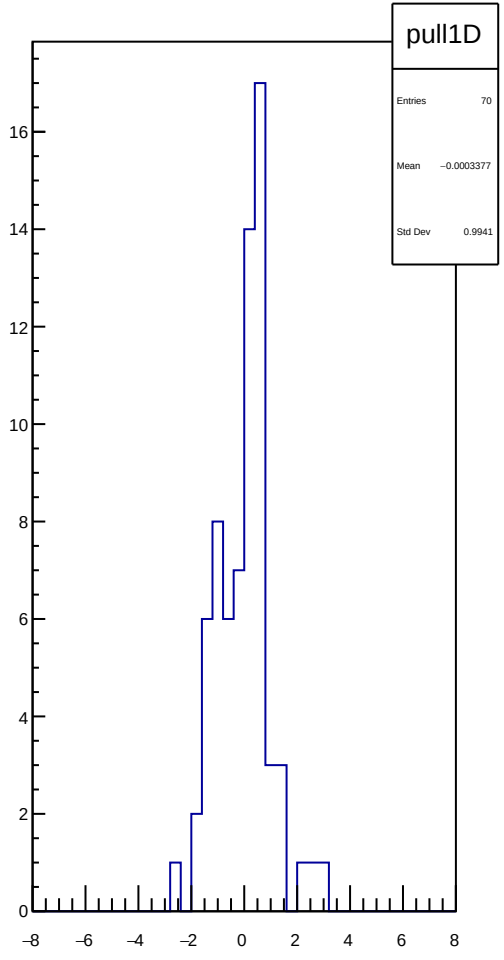

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.74e+05 / 69
p0 4.836e−11 ± 7.25e−14
1.2
1
0.8
0.6
0.4
0.2
0

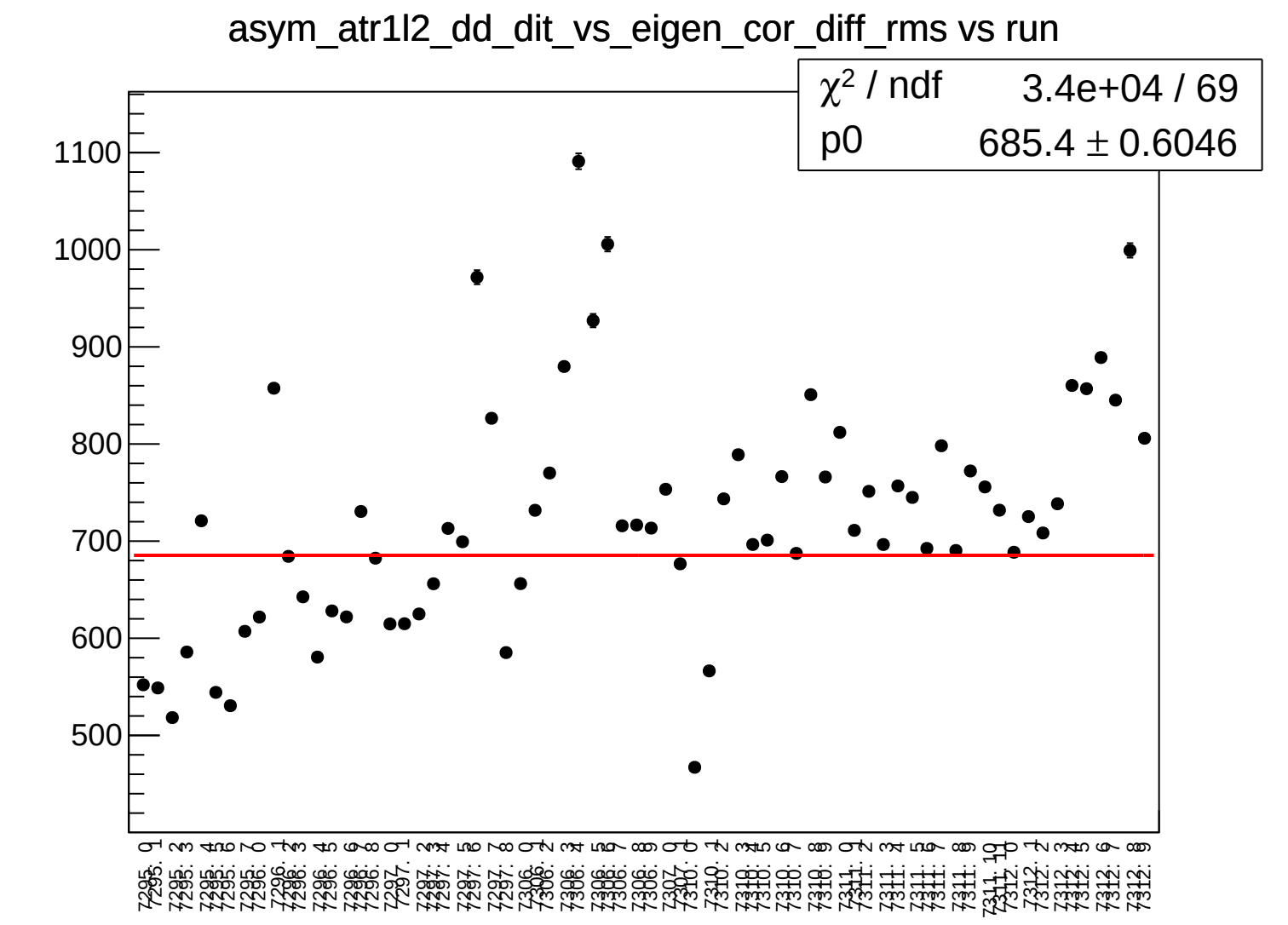

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.18 / 69
p0 0.4698 ± 0.8551
pull
Entries 70
Mean −4469
Std Dev 0

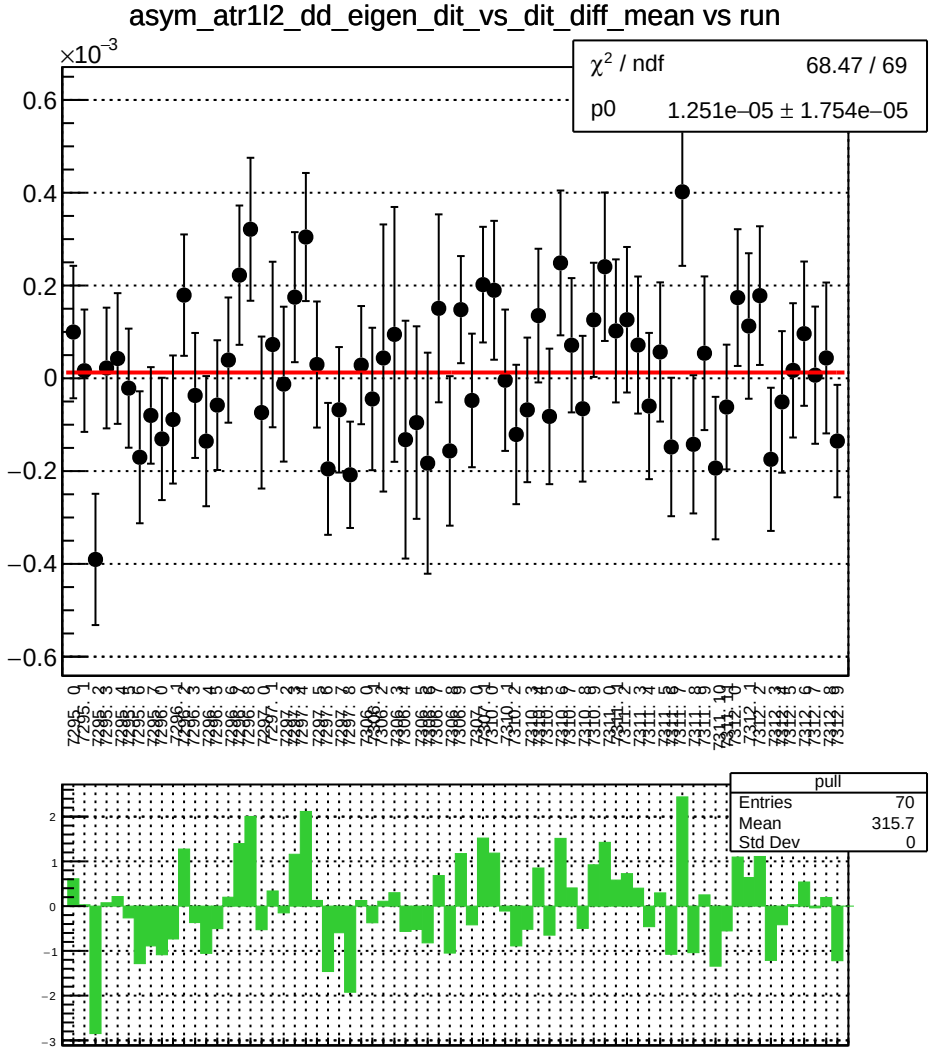

pull1D
Entries 70
Mean −0.0003377
Std Dev 0.9941

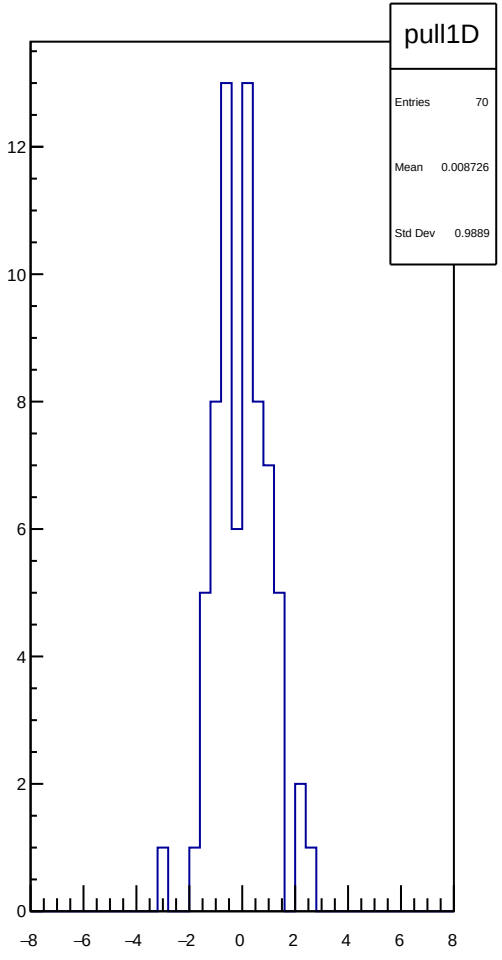

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.4e+04 / 69
p0 685.4 ± 0.6046
1100
1000
900
800
700
600
500

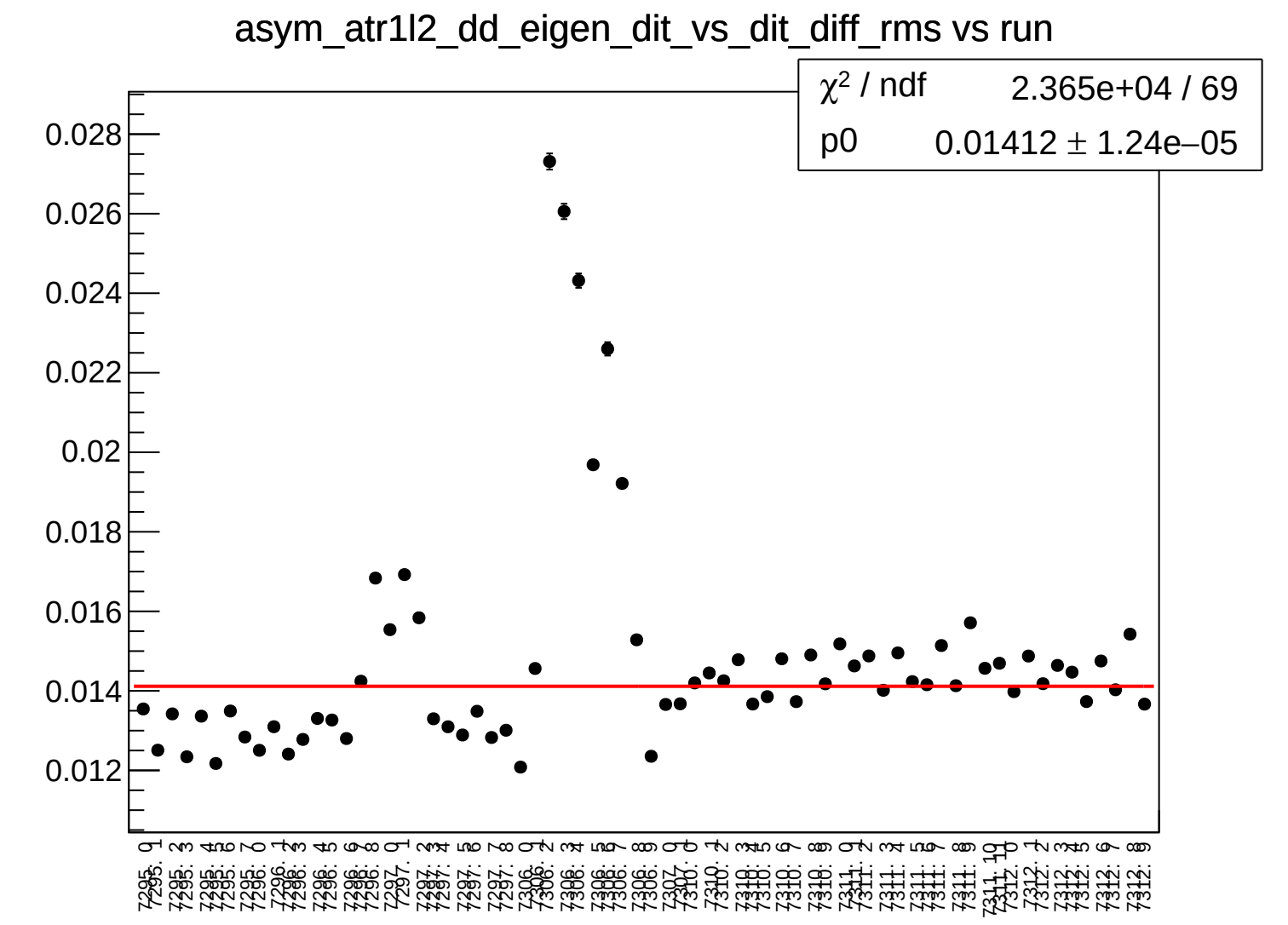

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.18 / 69
p0 0.4698 ± 0.8551
pull
Entries 70
Mean −4469
Std Dev 0

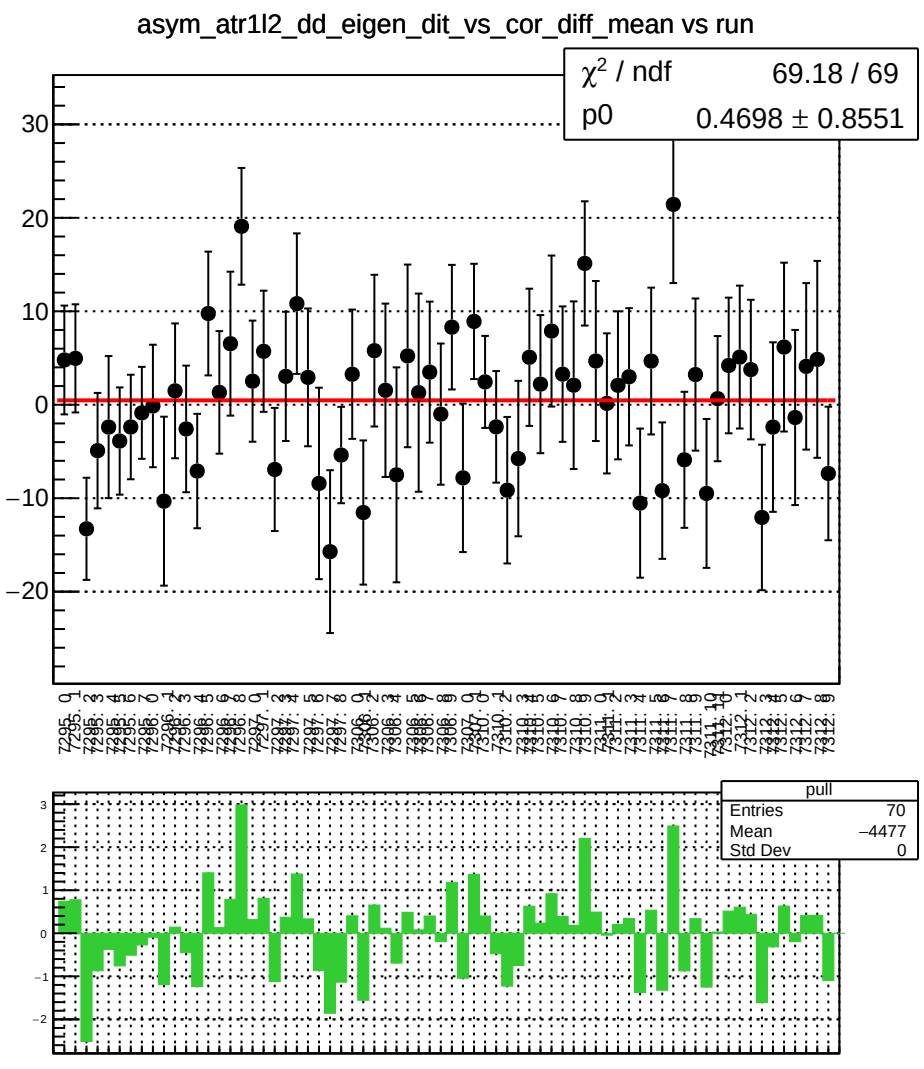

pull1D
Entries 70
Mean −0.0003377
Std Dev 0.9941

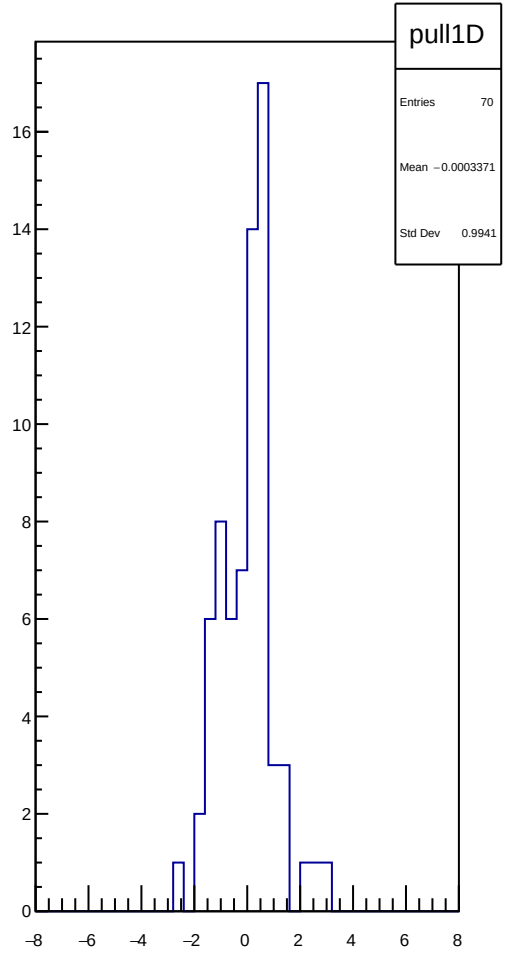

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.4e+04 / 69
p0 685.4 ± 0.6046
1100
1000
900
800
700
600
500

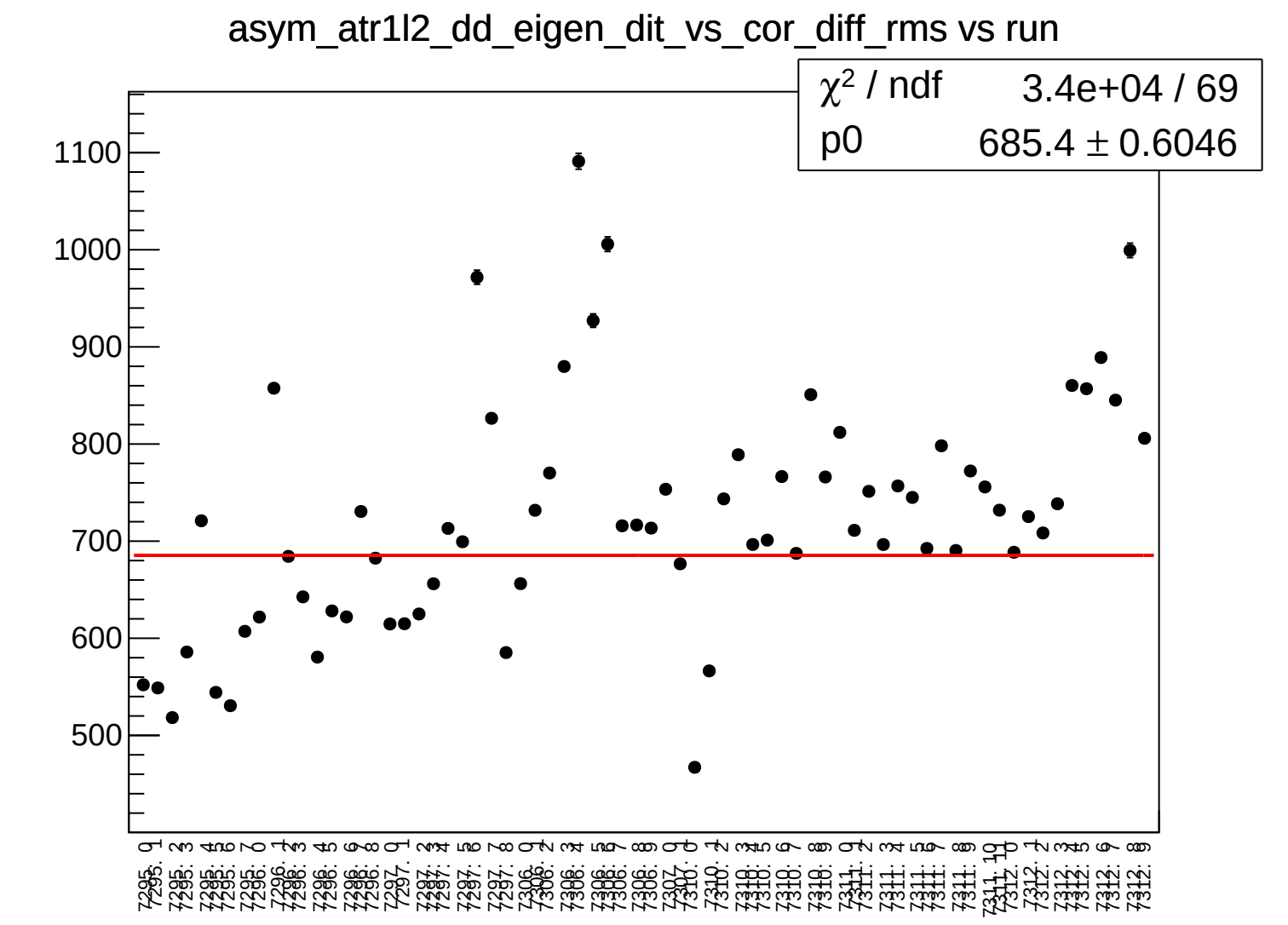

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.47 / 69
p0 1.251e−05 ± 1.754e−05
pull
Entries 70
Mean 315.7
Std Dev 0

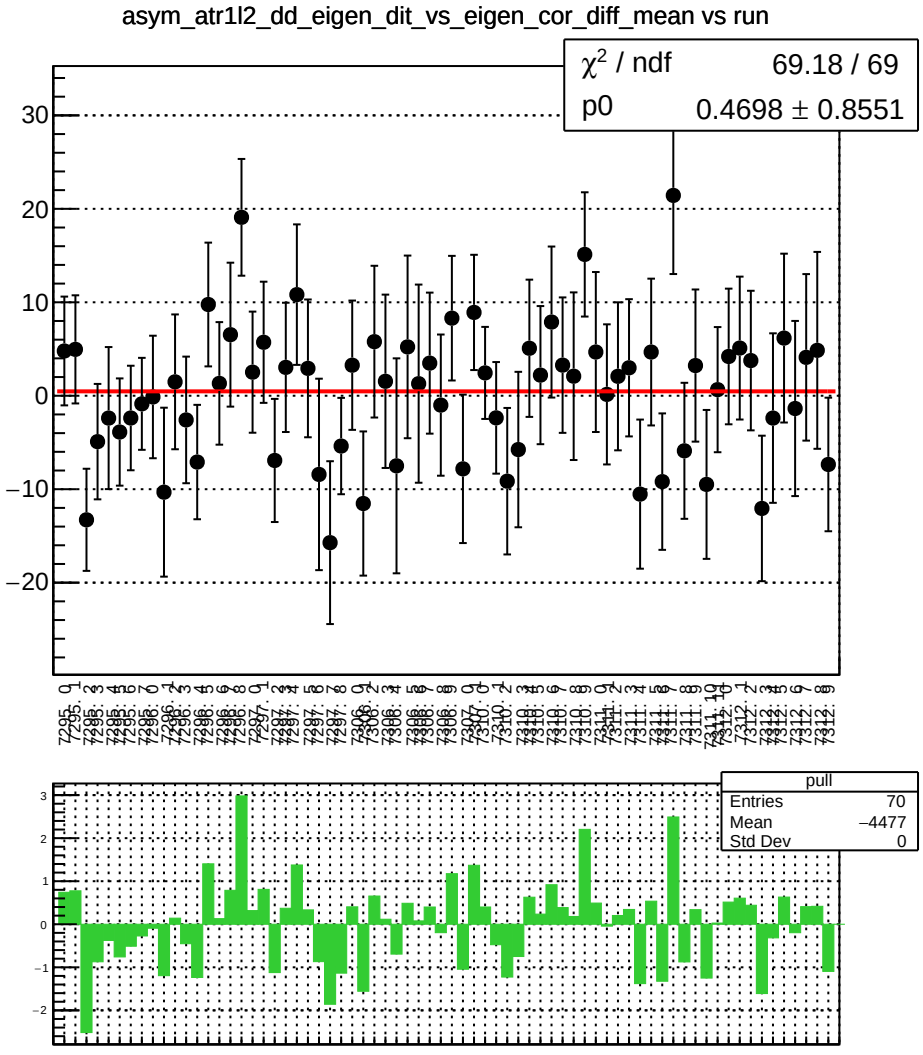

pull1D
Entries 70
Mean 0.008726
Std Dev 0.9889

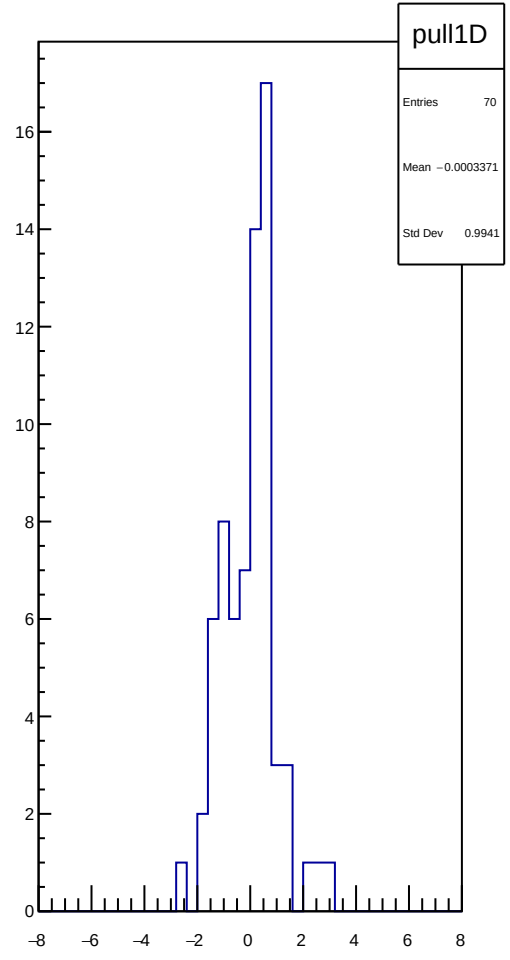

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.365e+04 / 69
p0 0.01412 ± 1.24e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

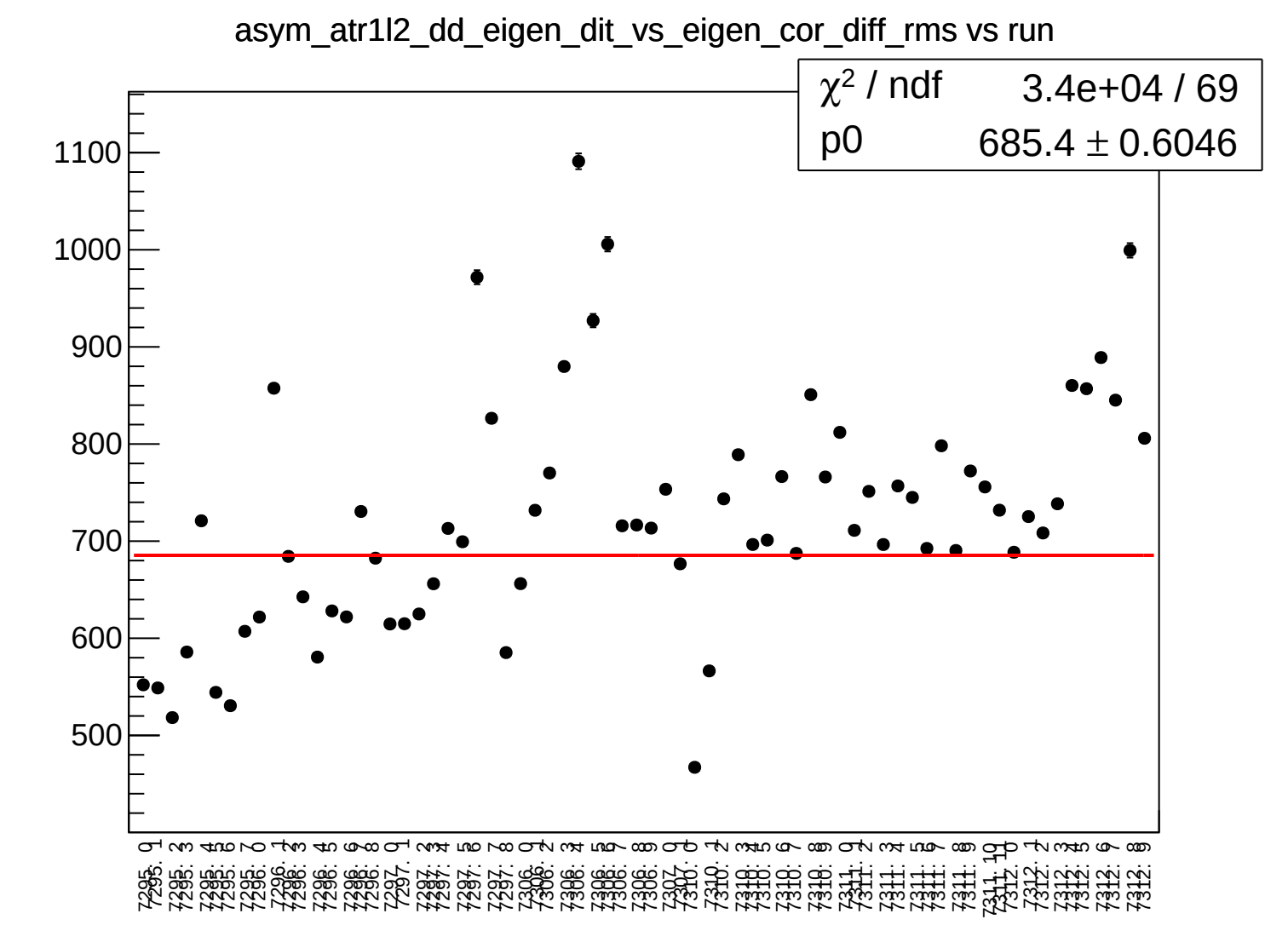

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.18 / 69
p0 0.4698 ± 0.8551
pull
Entries 70
Mean −4477
Std Dev 0


pull1D
Entries 70
Mean −0.0003371
Std Dev 0.9941

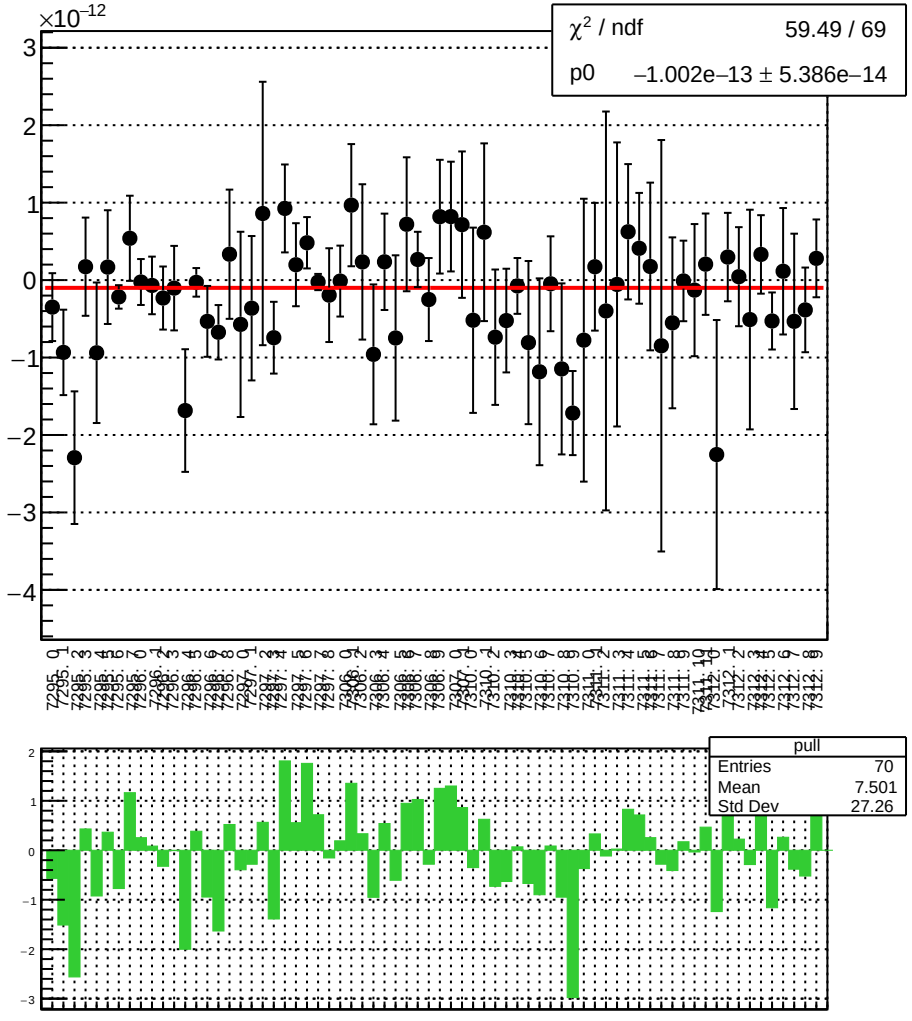

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.4e+04 / 69
p0 685.4 ± 0.6046
1100
1000
900
800
700
600
500

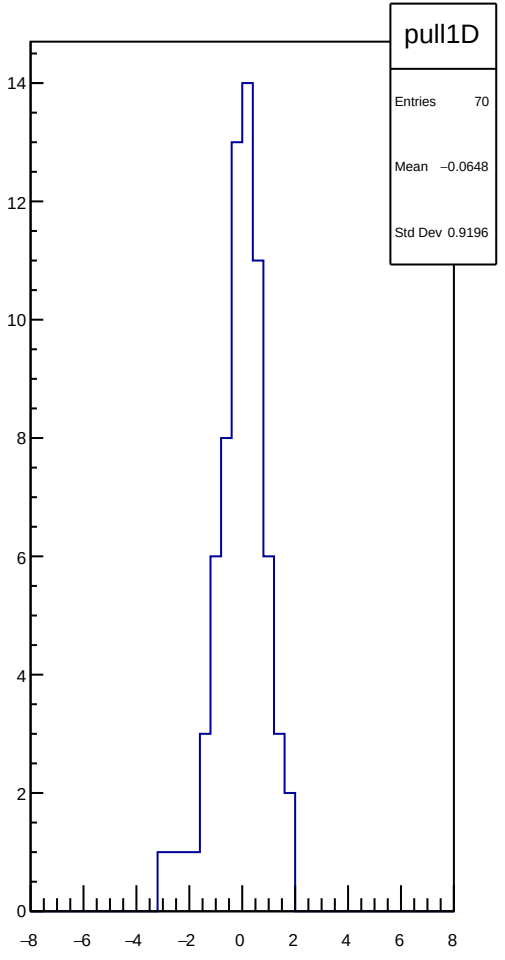

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.18 / 69
p0 0.4698 ± 0.8551
pull
Entries 70
Mean −4477
Std Dev 0

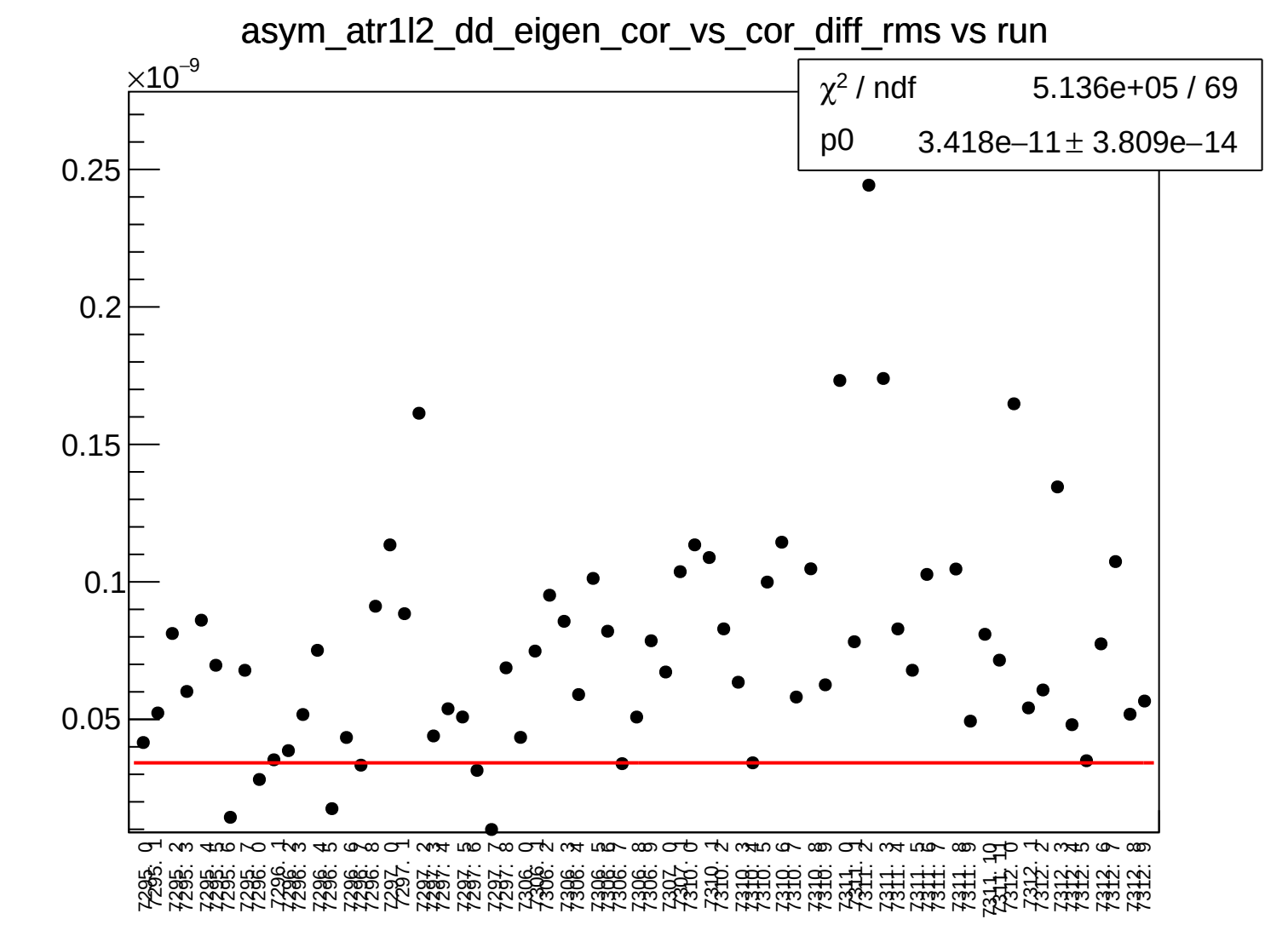

pull1D
Entries 70
Mean −0.0003371
Std Dev 0.9941

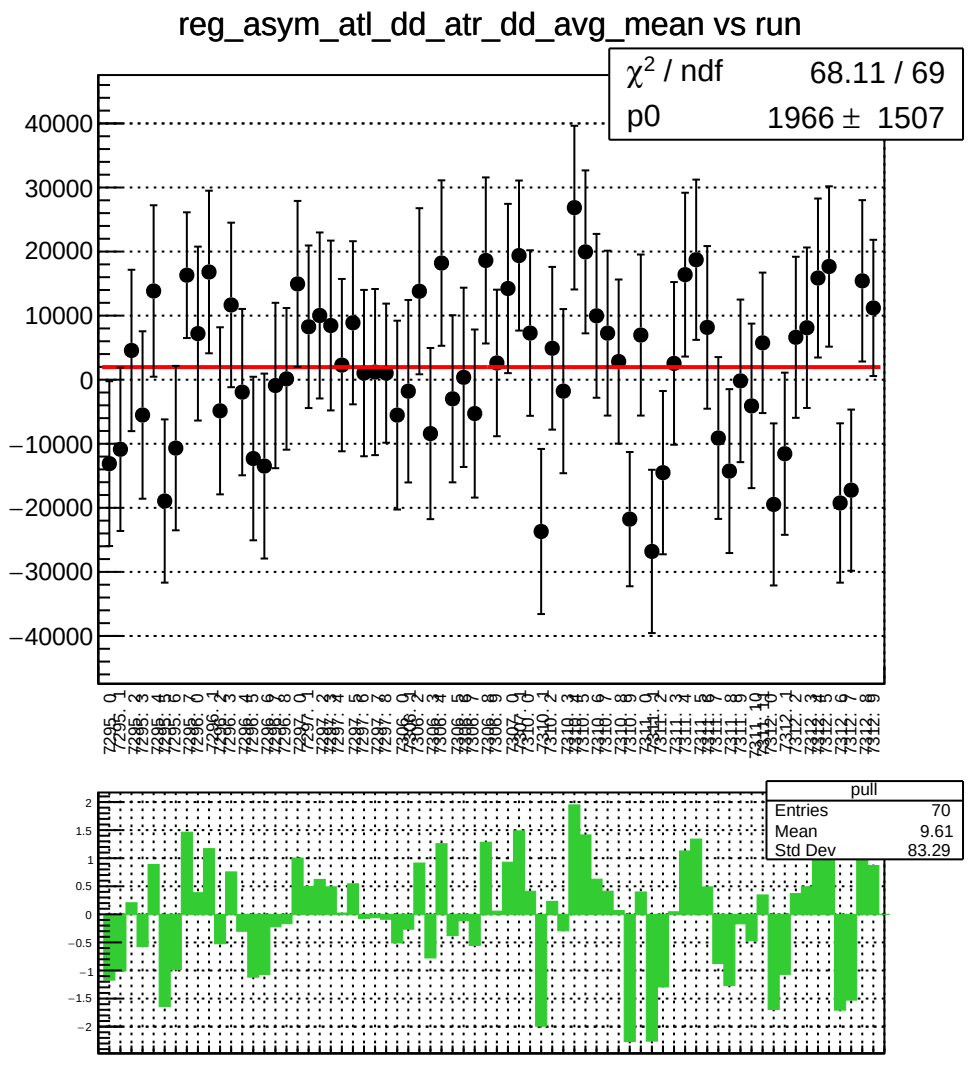

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.4e+04 / 69
p0 685.4 ± 0.6046
1100
1000
900
800
700
600
500

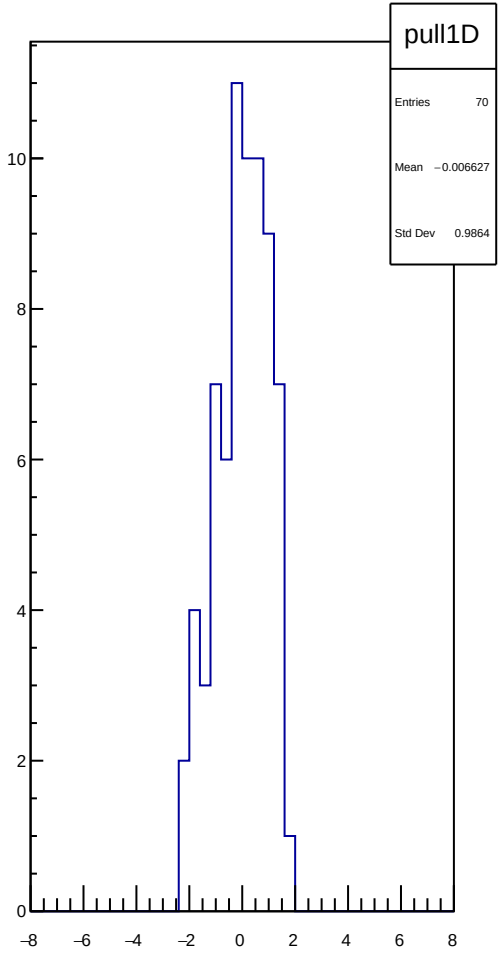
asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run

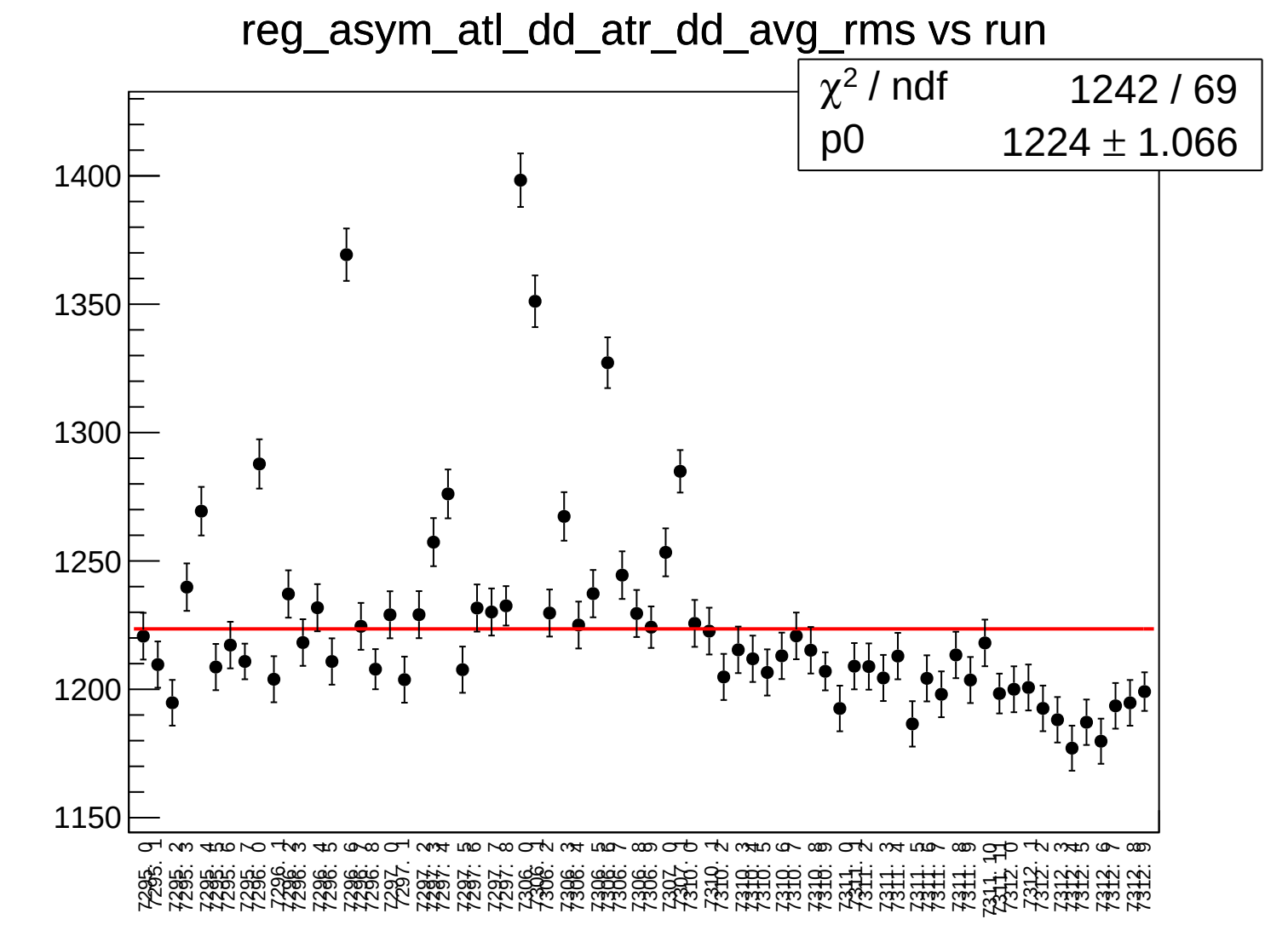


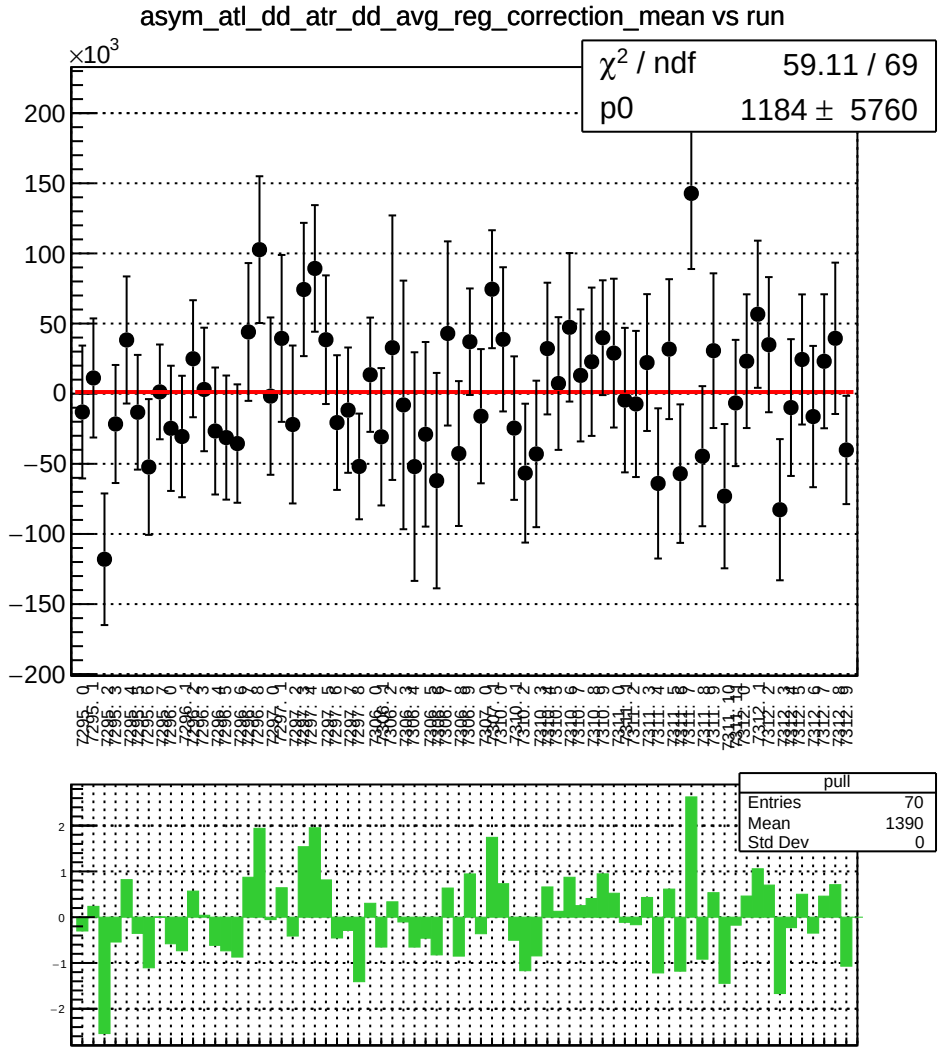


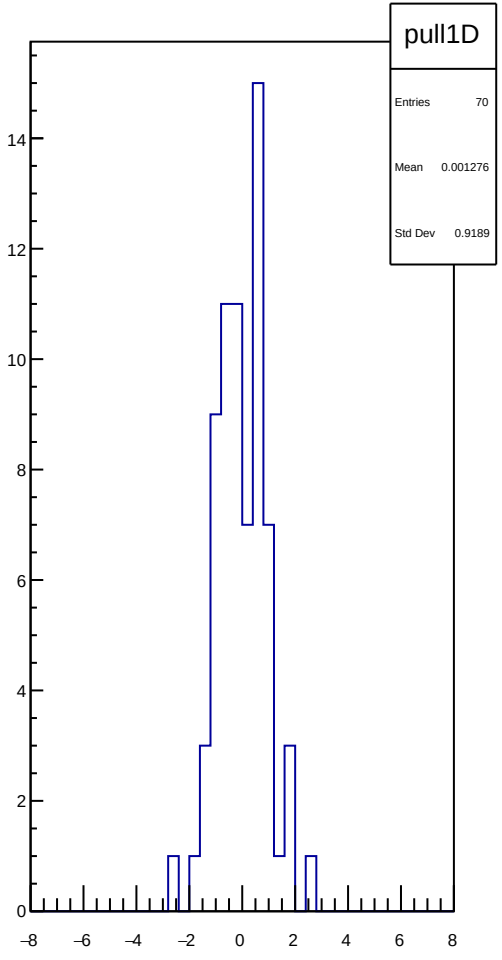

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.136e+05 / 69
p0 3.418e−11 ± 3.809e−14
0.25
0.2
0.15
0.1
0.05

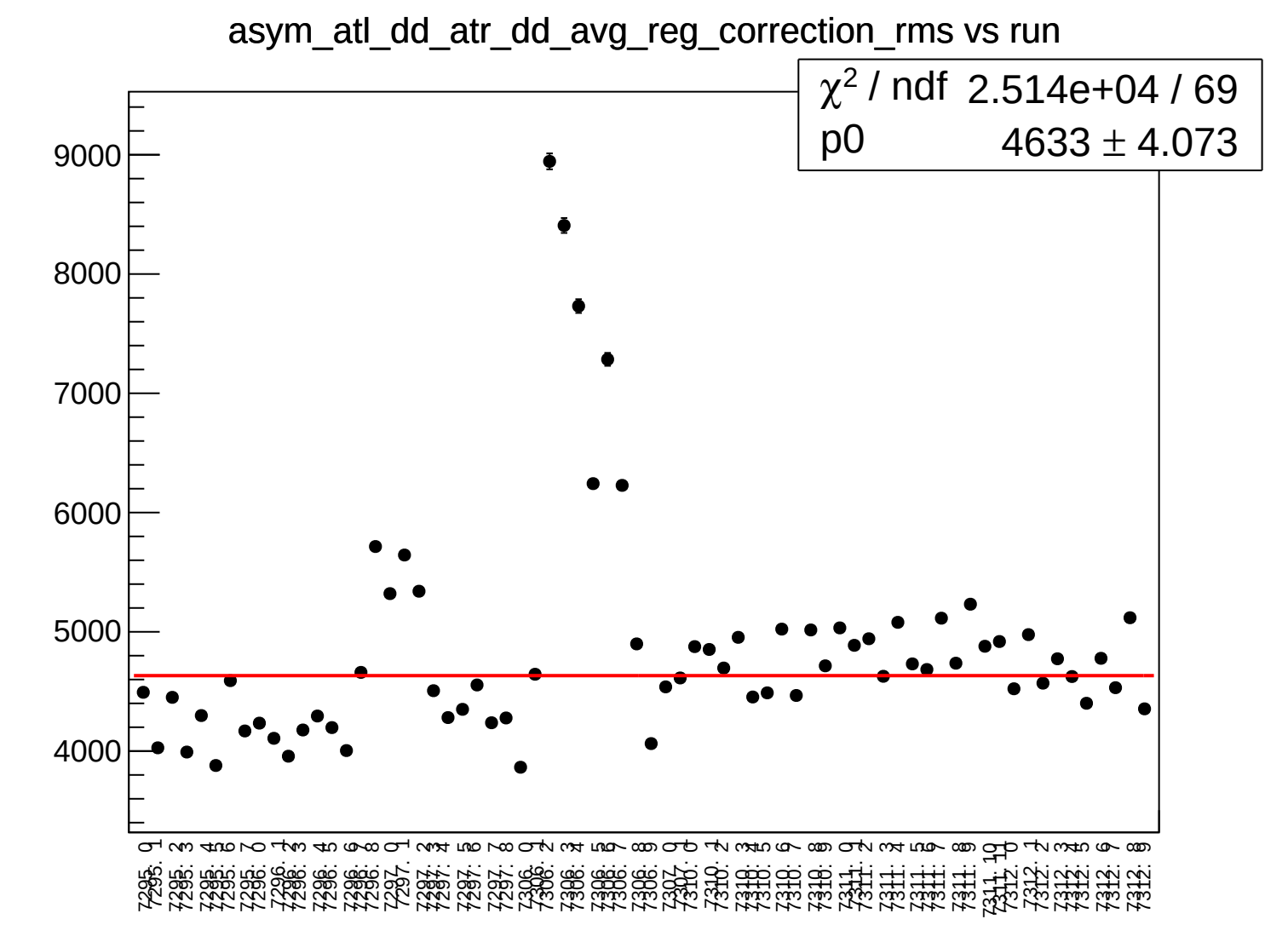

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.61
Std Dev 83.29

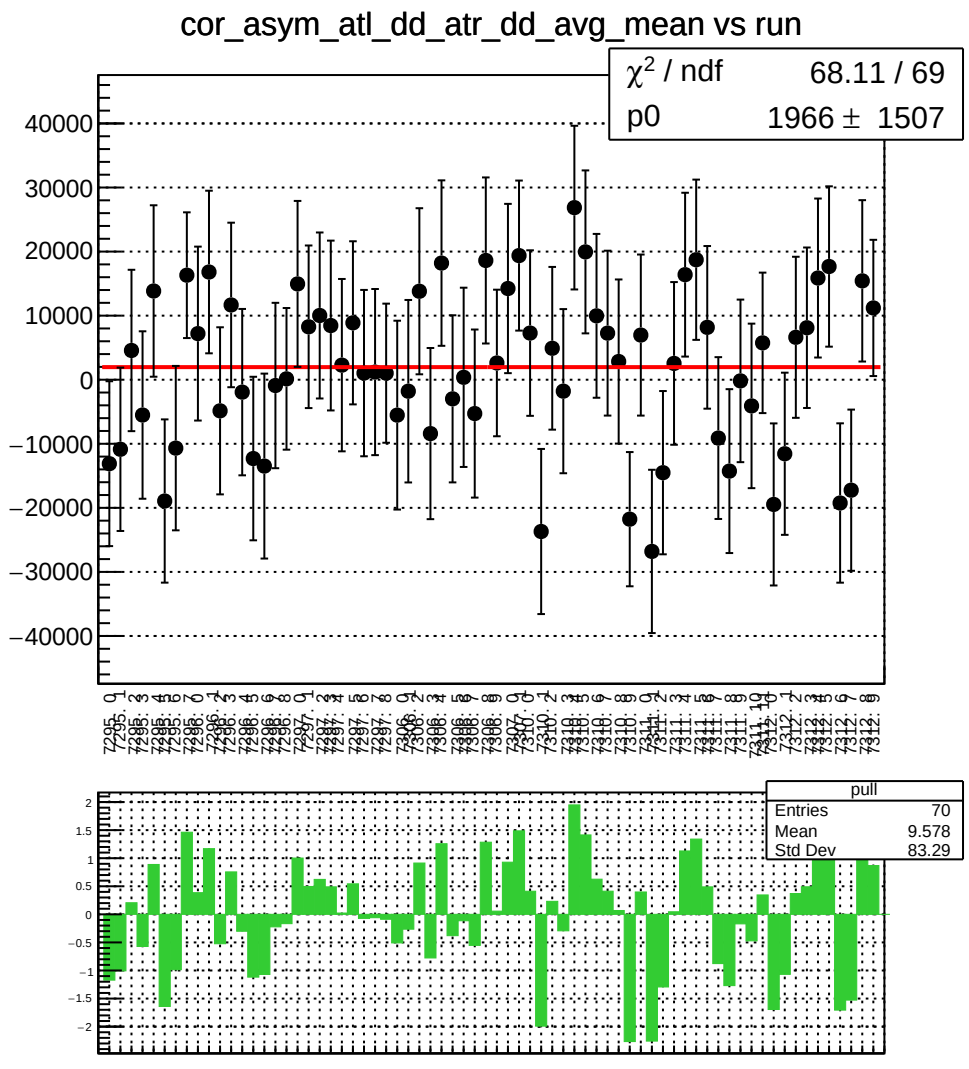

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

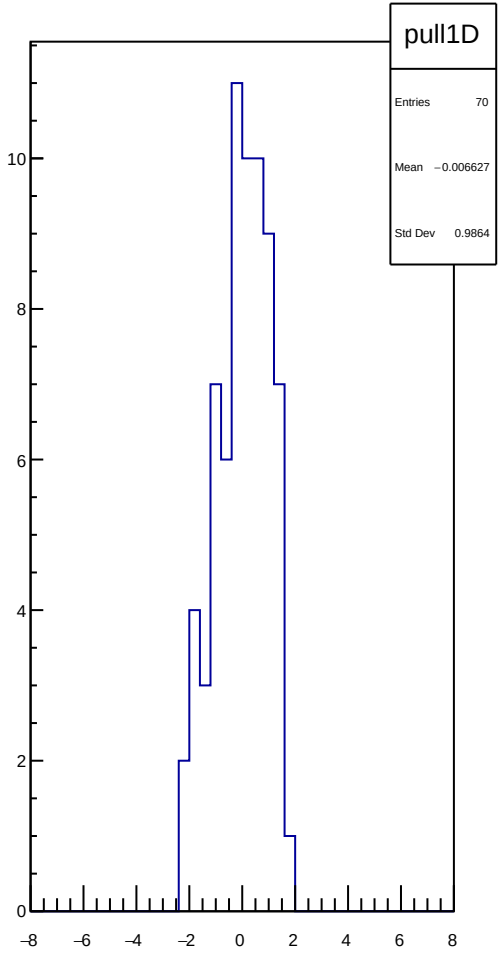

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

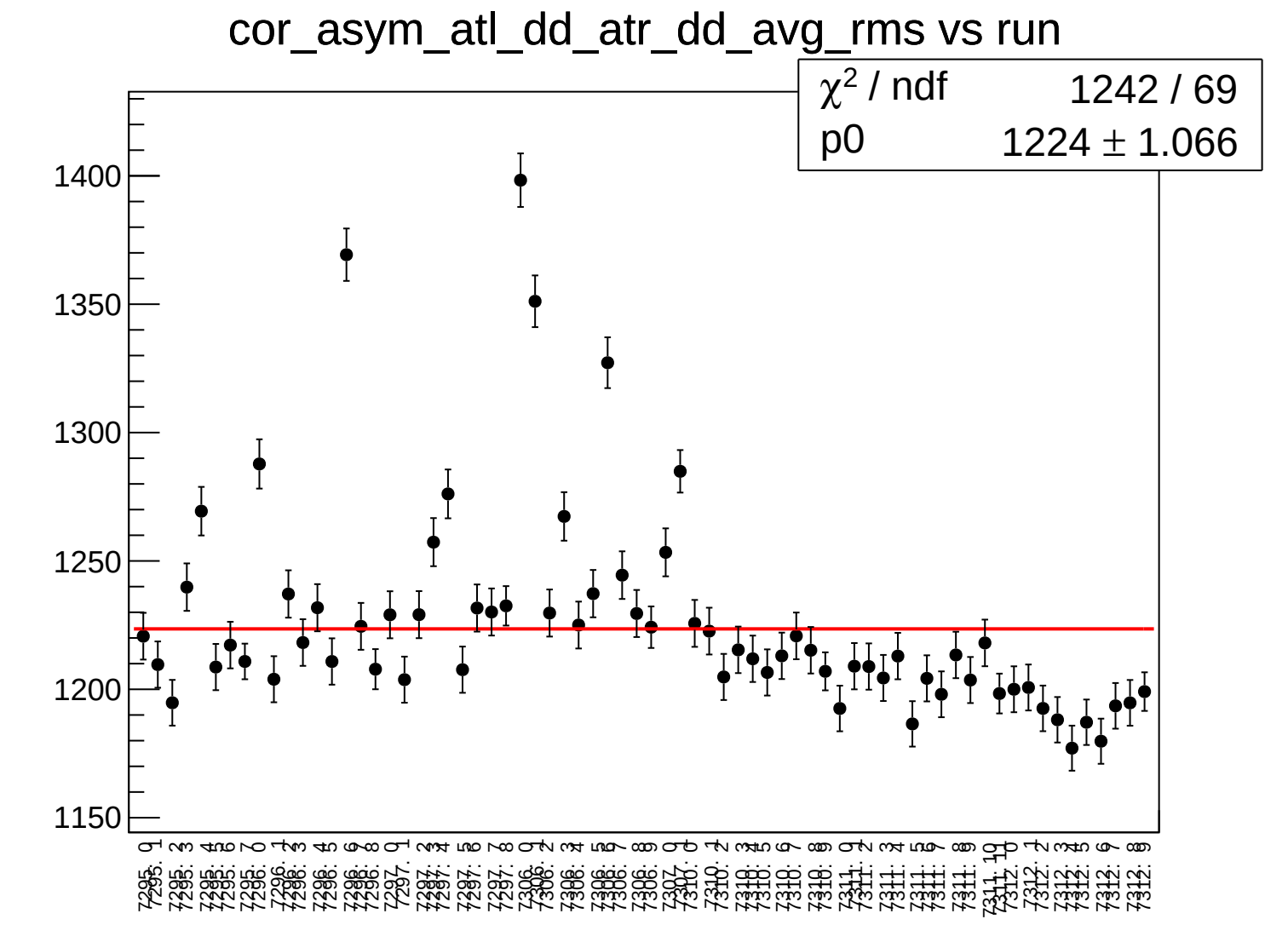

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1184 ± 5760
pull
Entries 70
Mean 1390
Std Dev 0

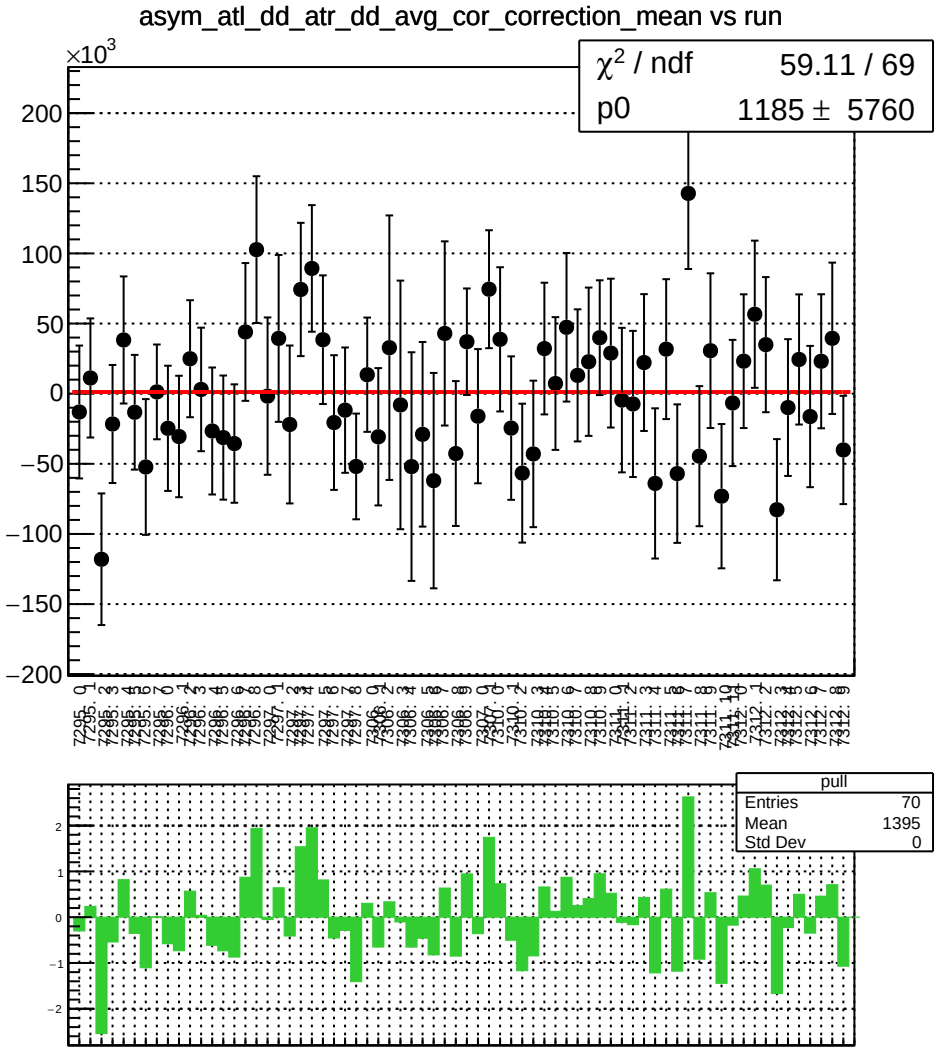

pull1D
Entries 70
Mean 0.001276
Std Dev 0.9189

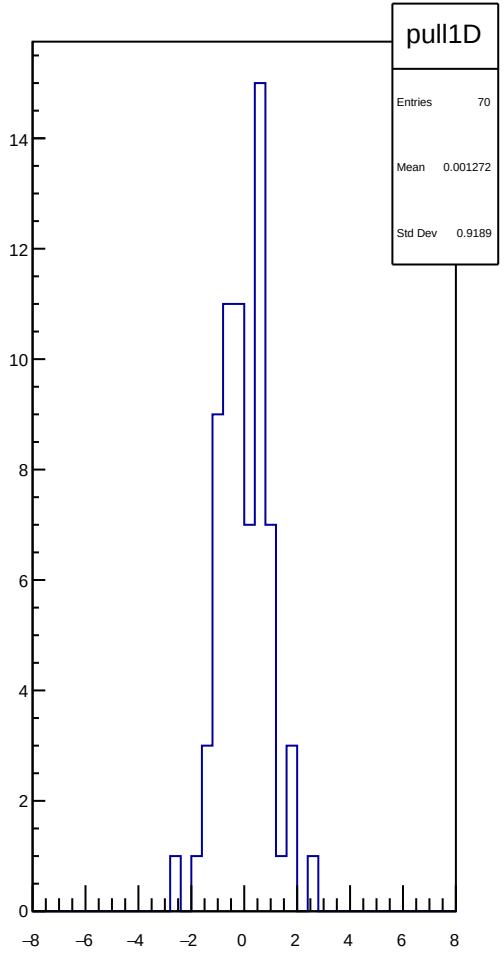

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ^2 / ndf 2.514e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

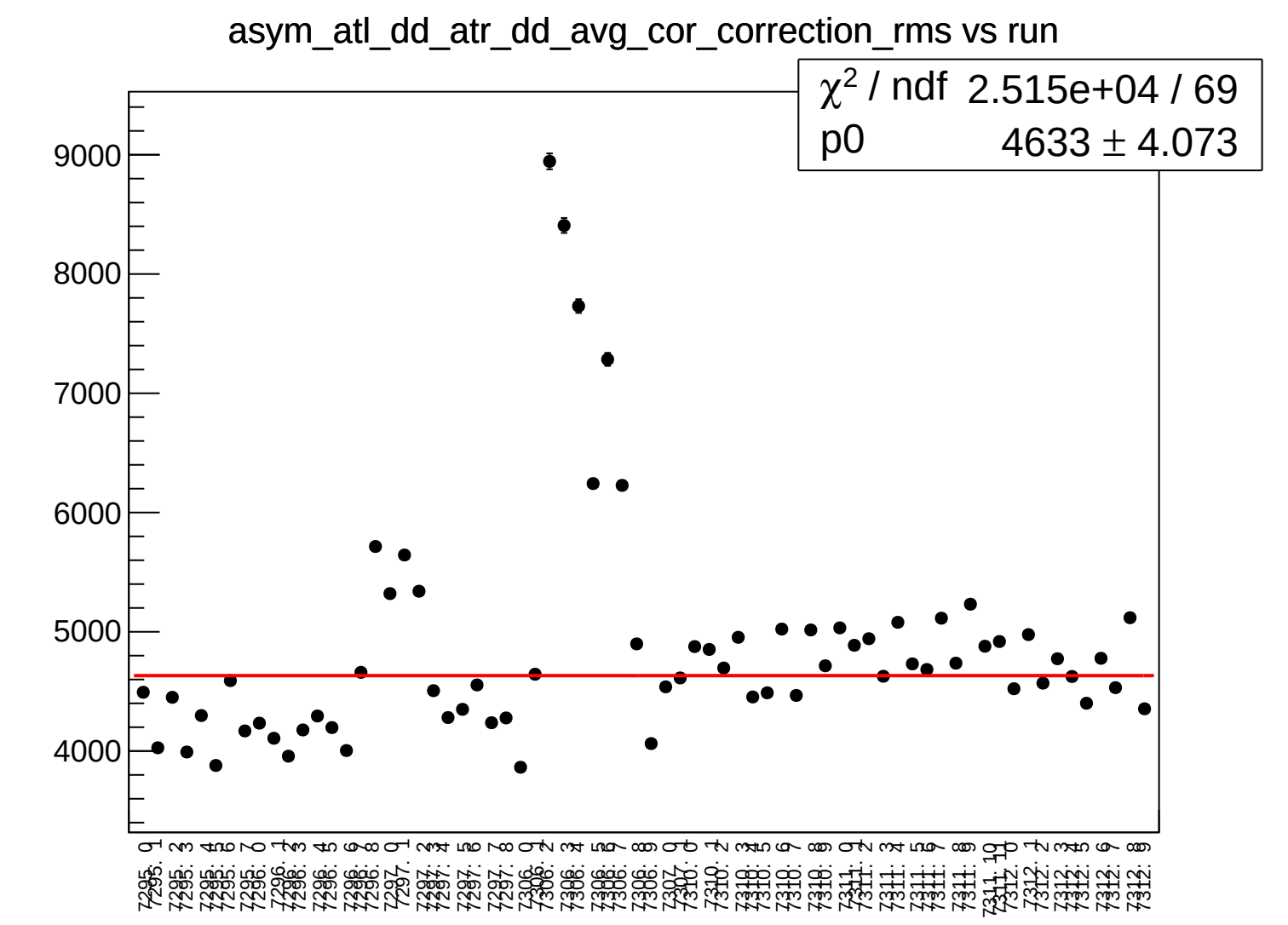

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

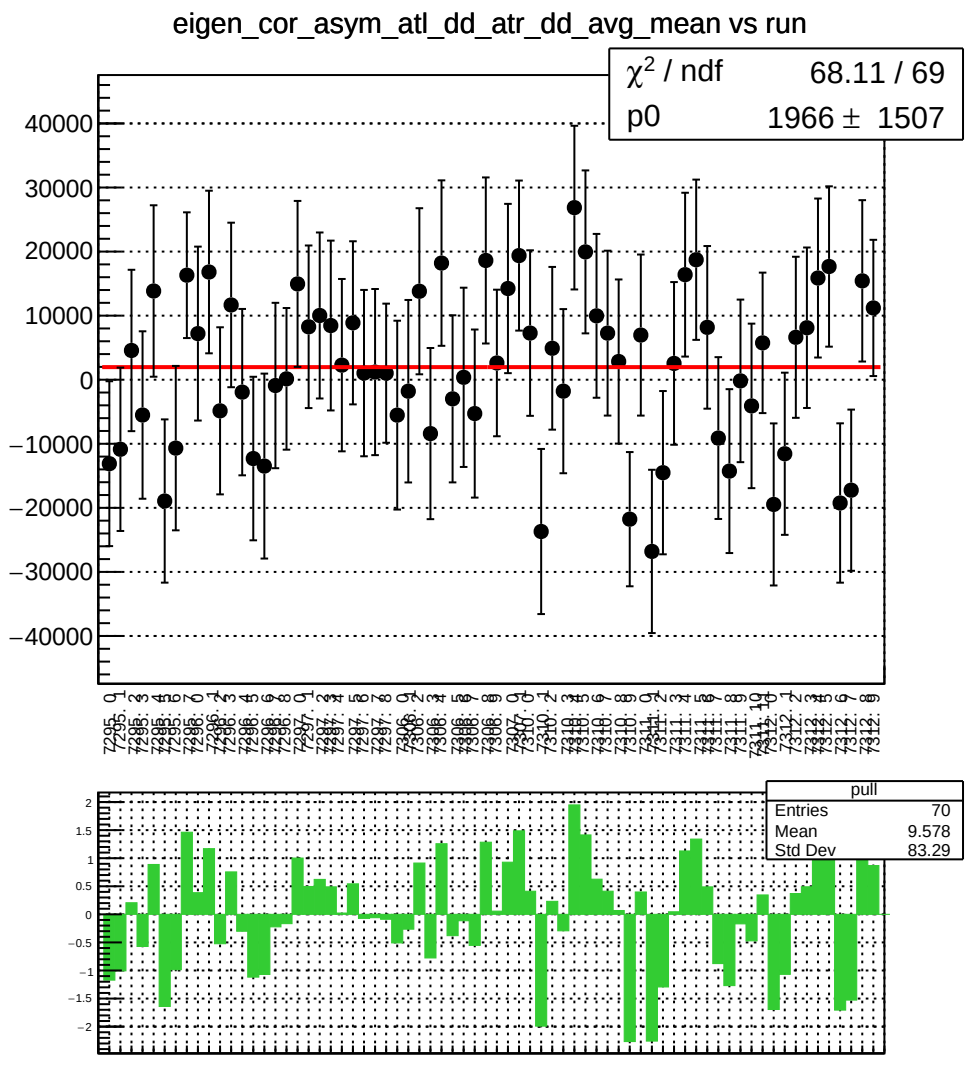

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

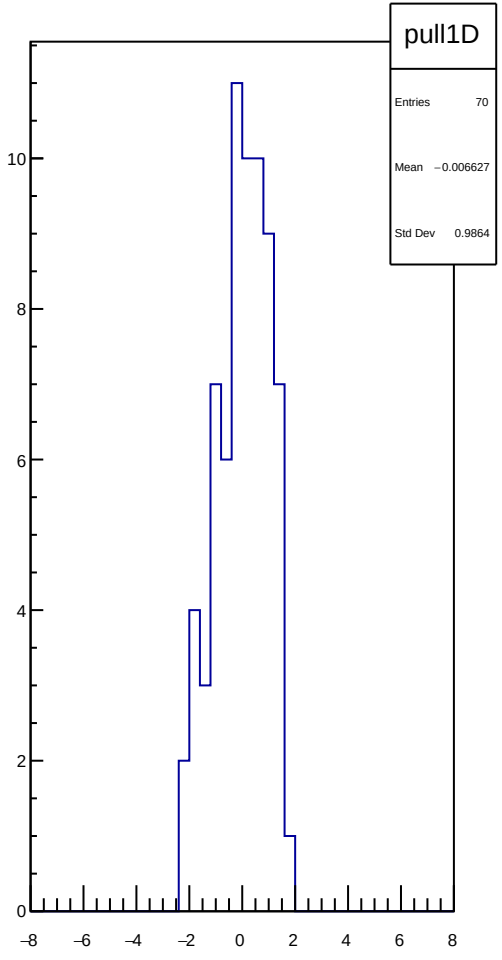

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

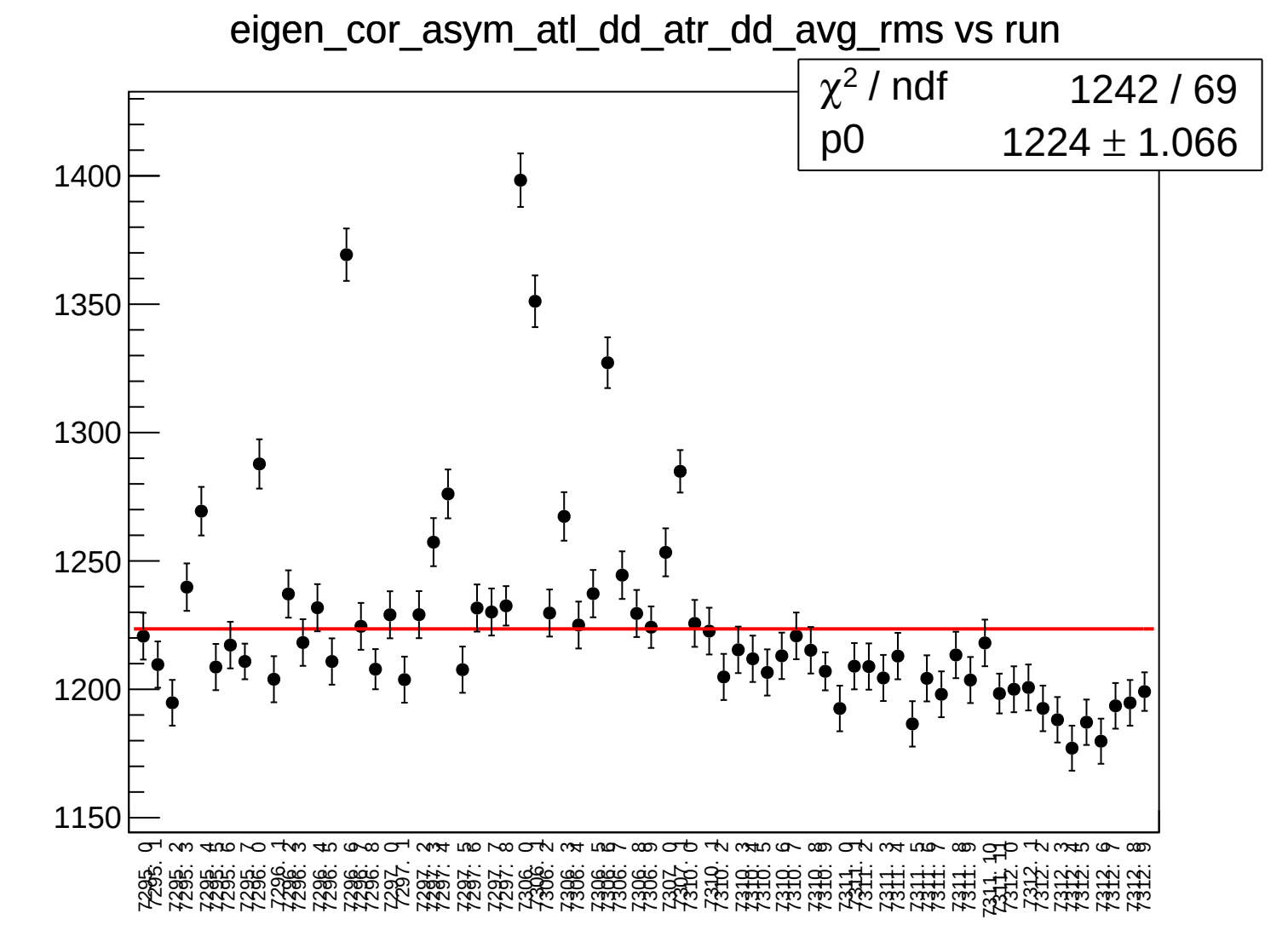

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

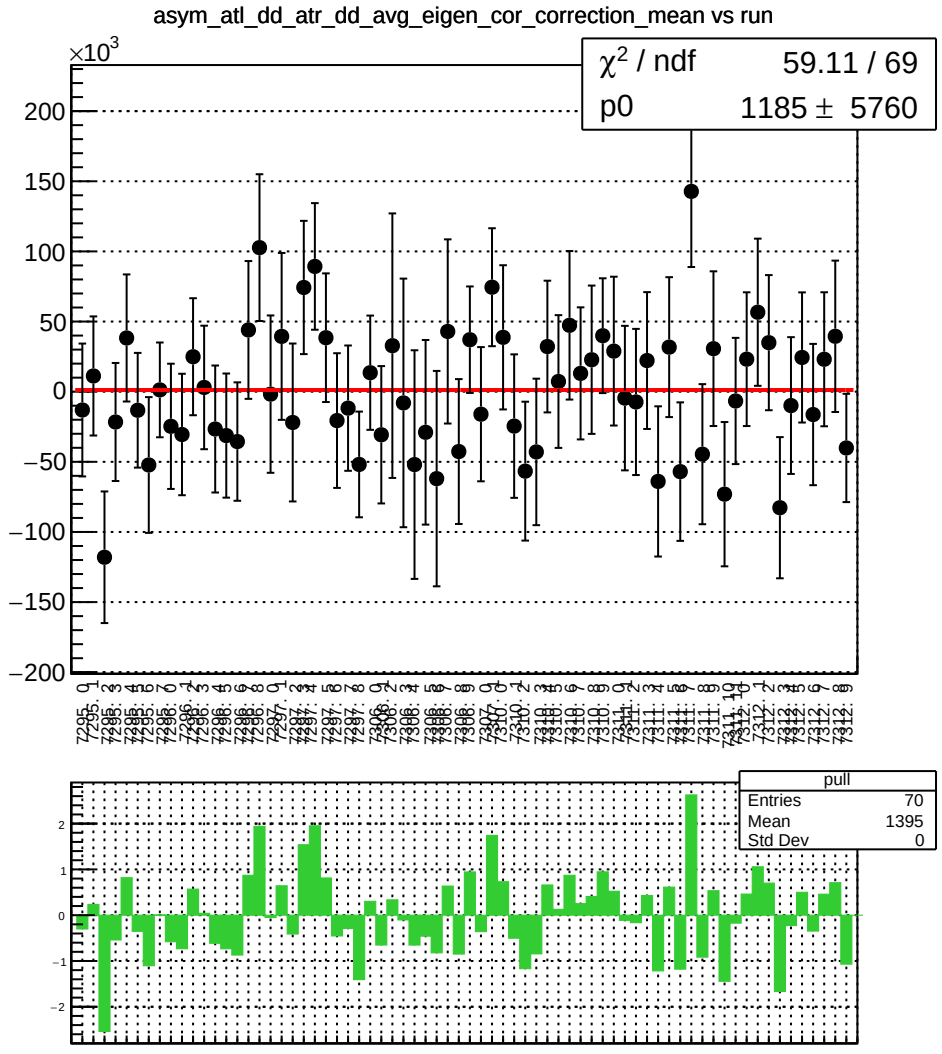

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

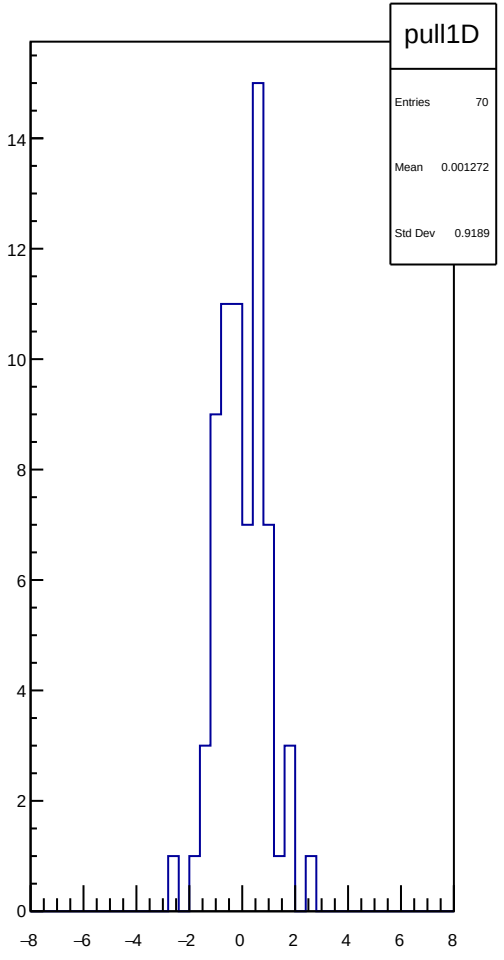

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ^2 / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

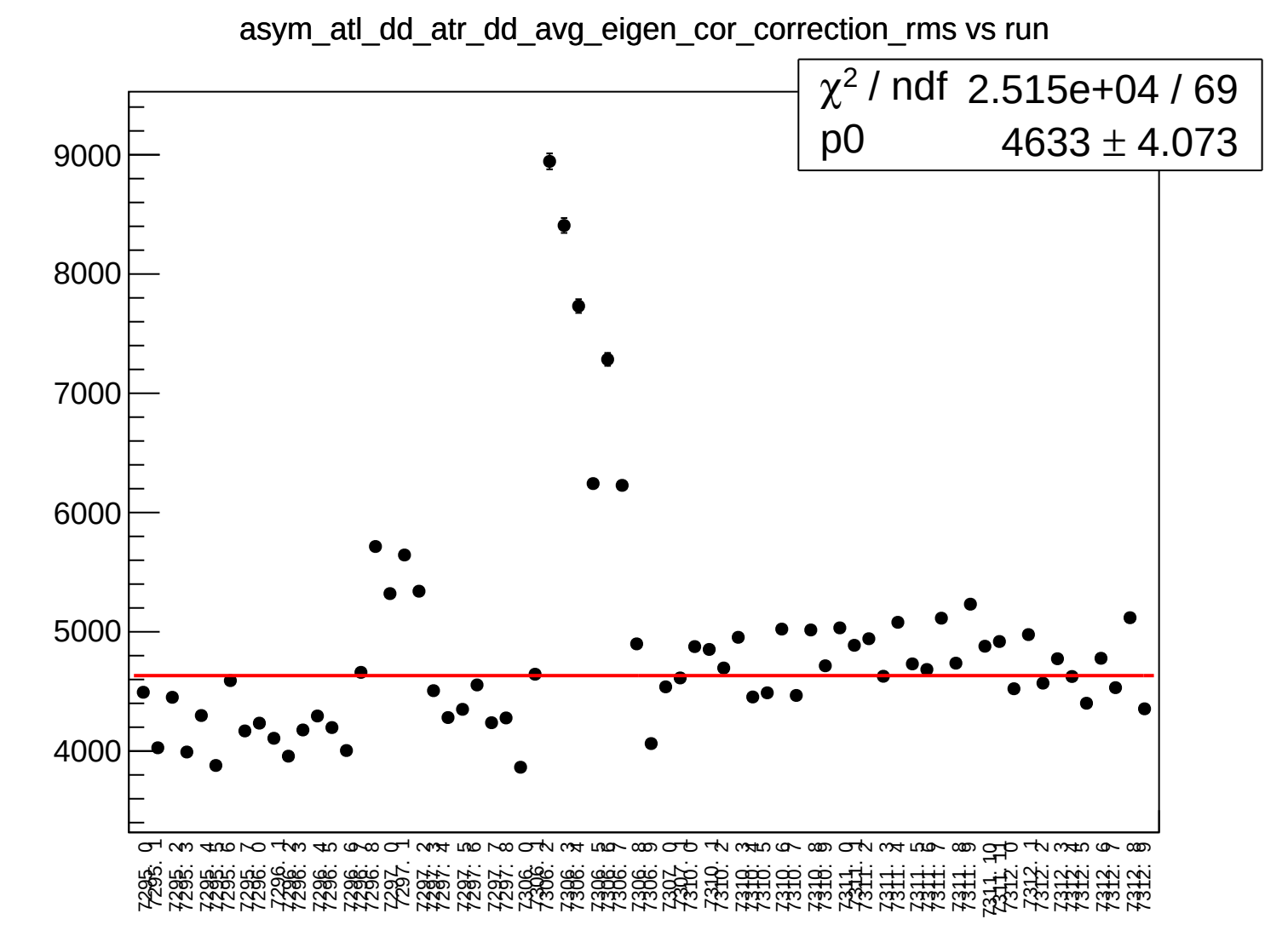

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

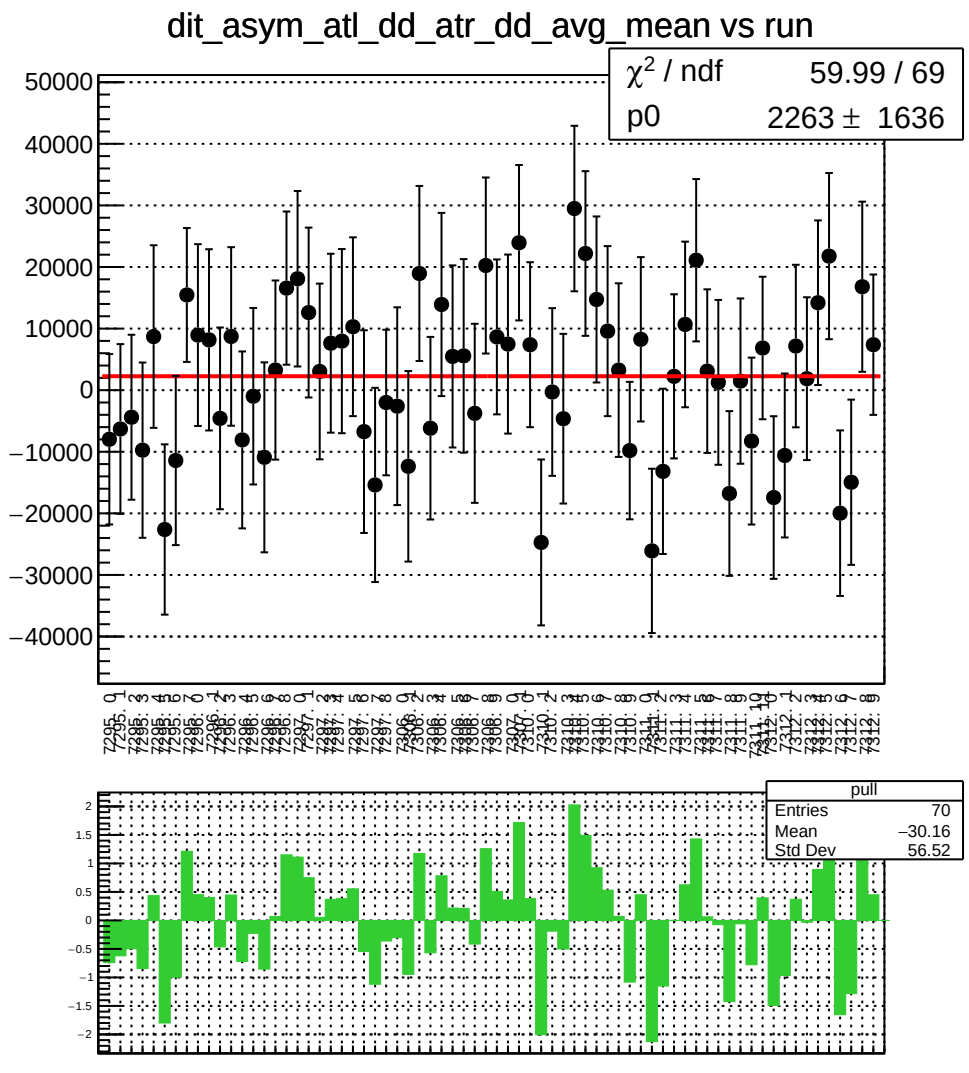

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

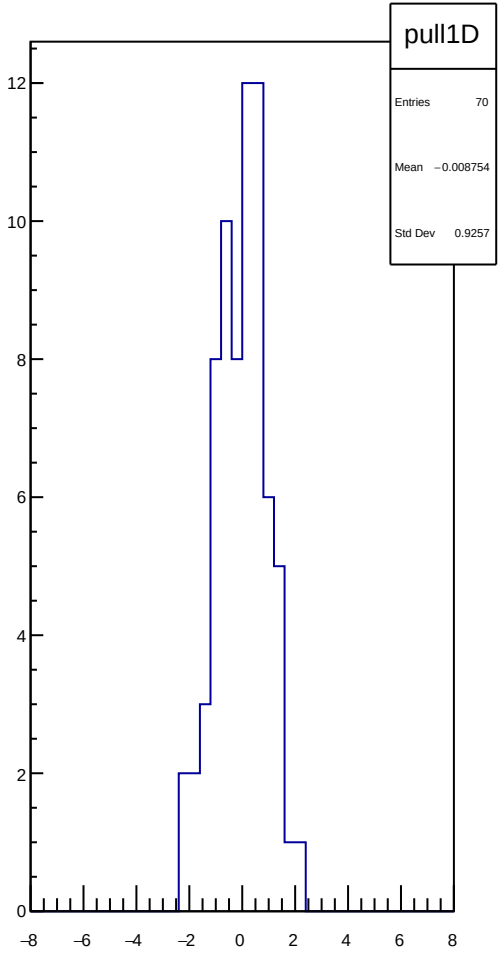

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

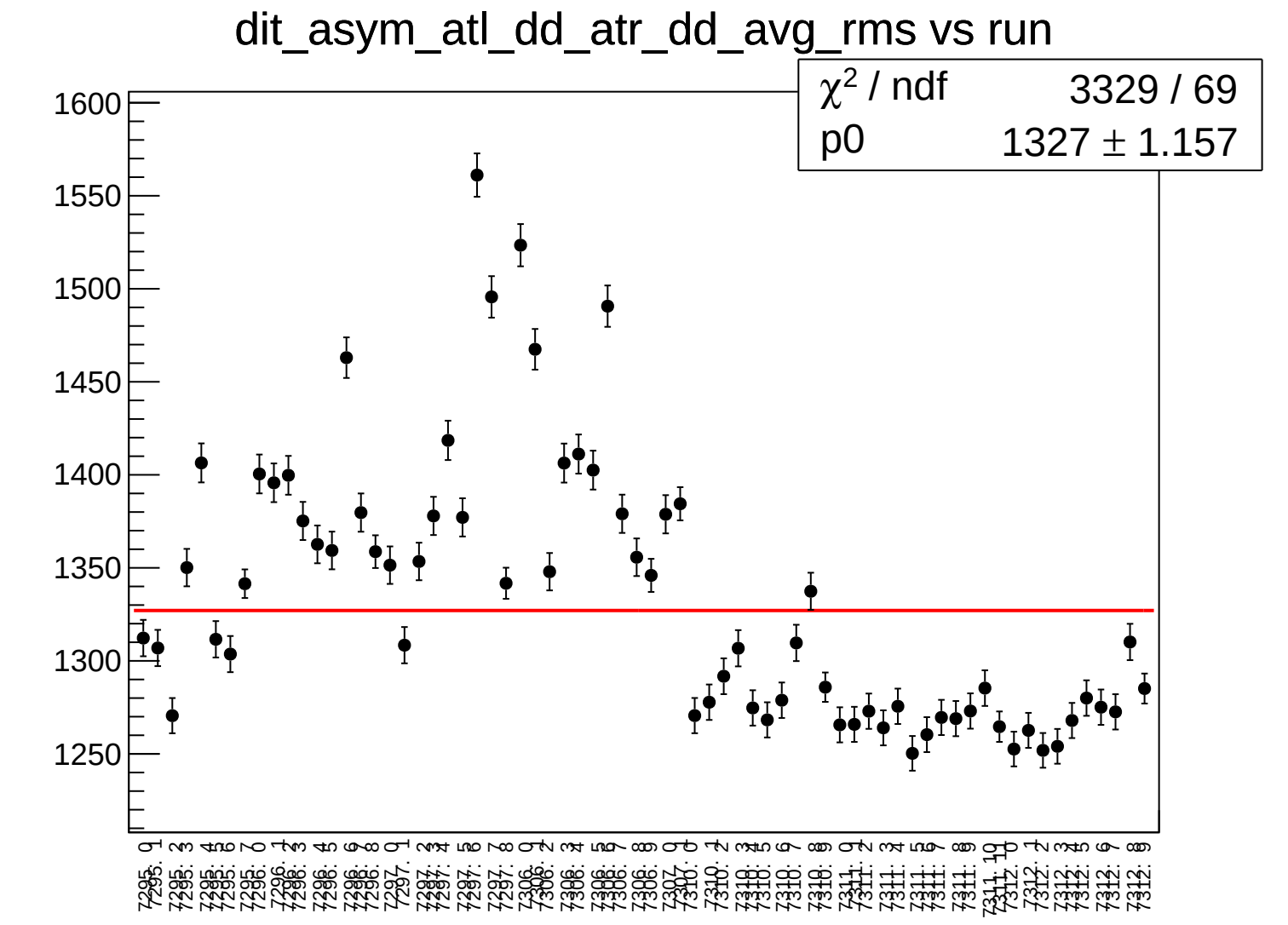

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

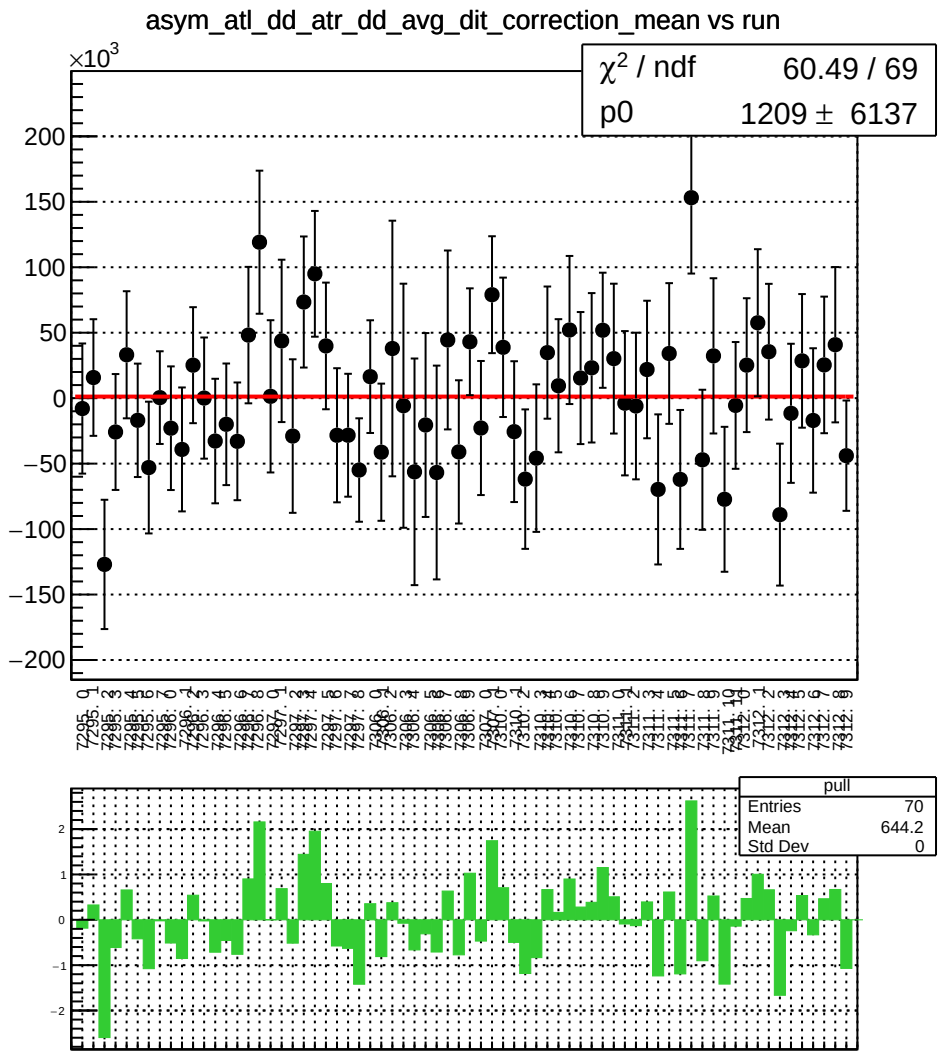

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

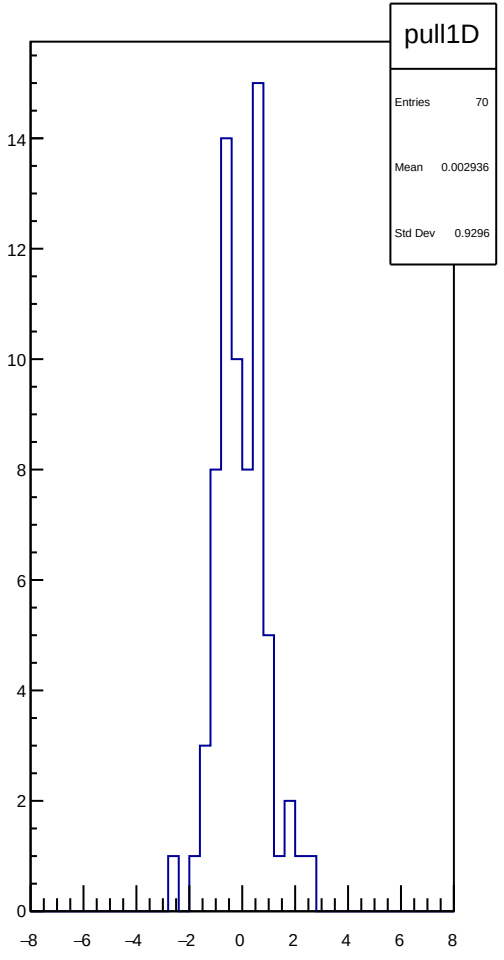

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

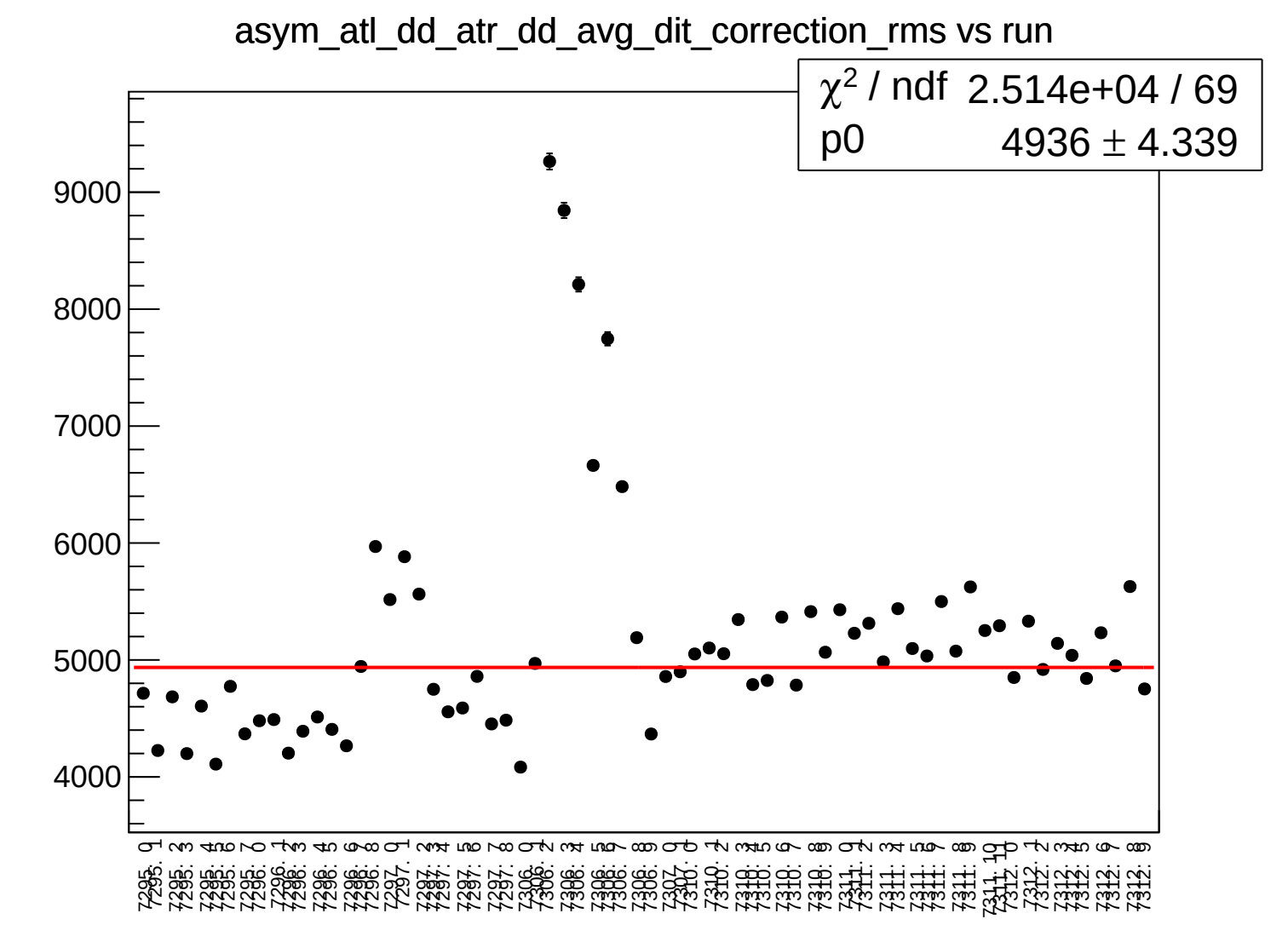

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.16
Std Dev 56.52

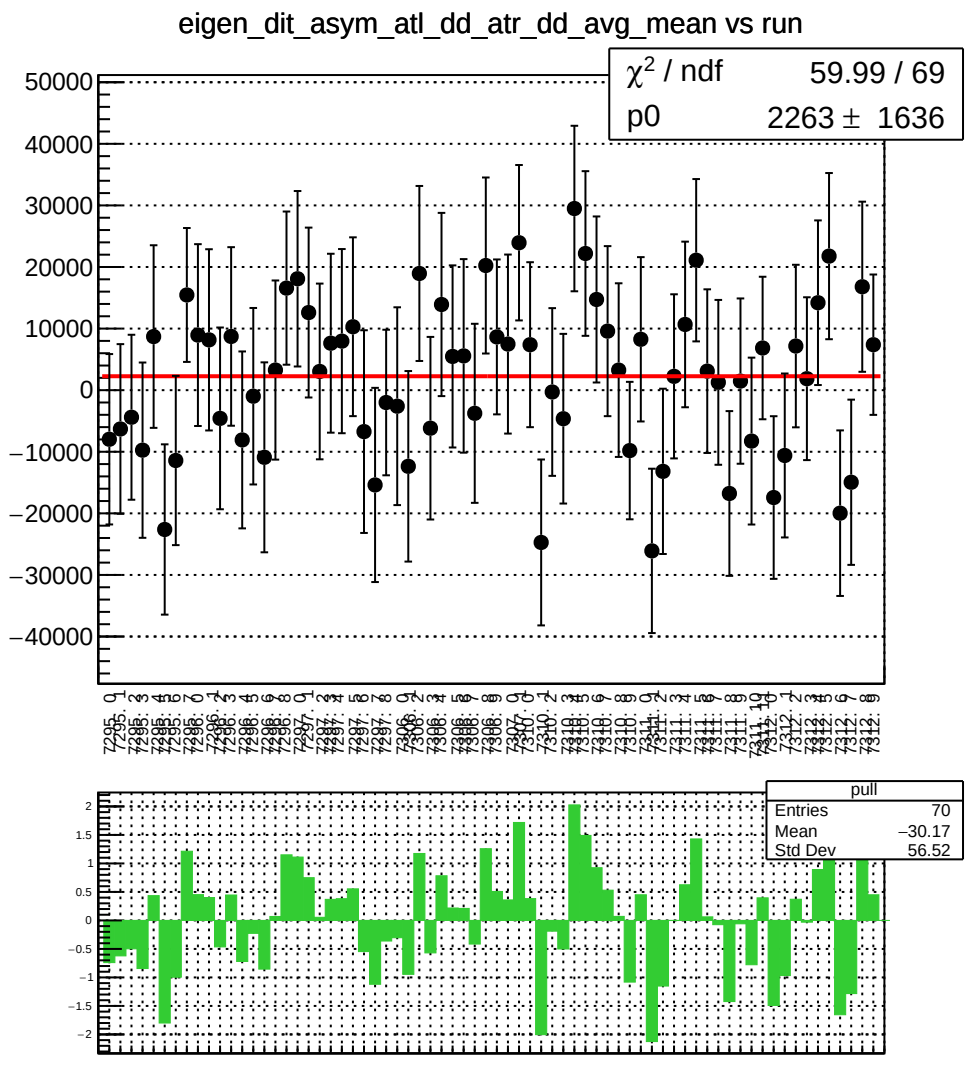

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

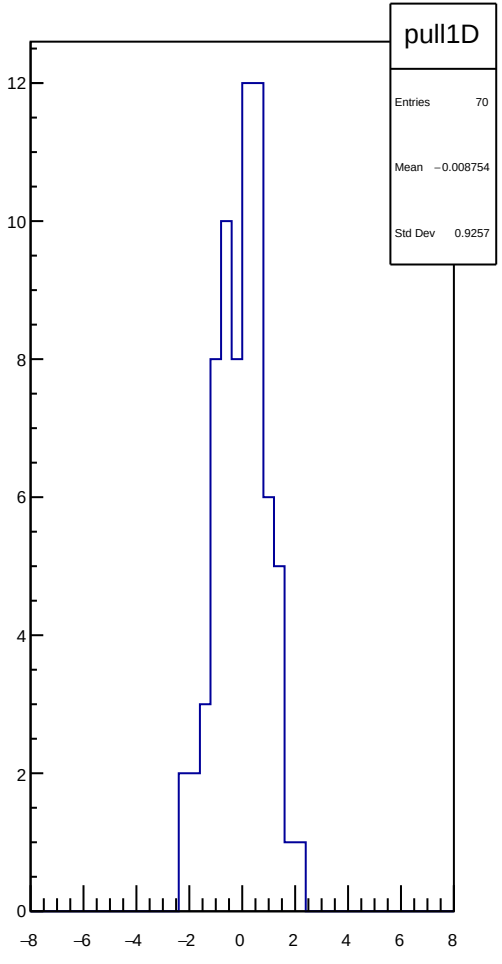

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

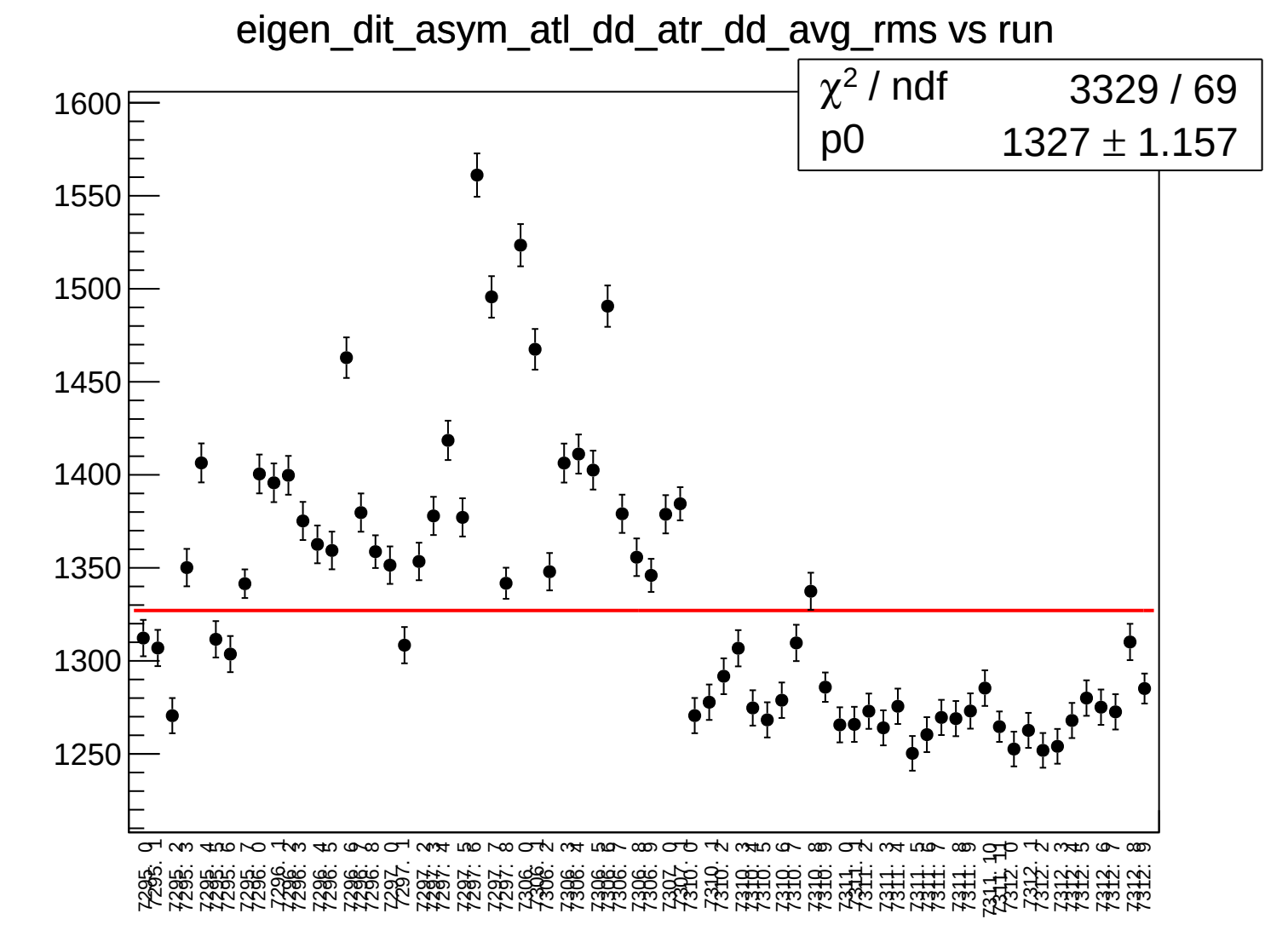

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

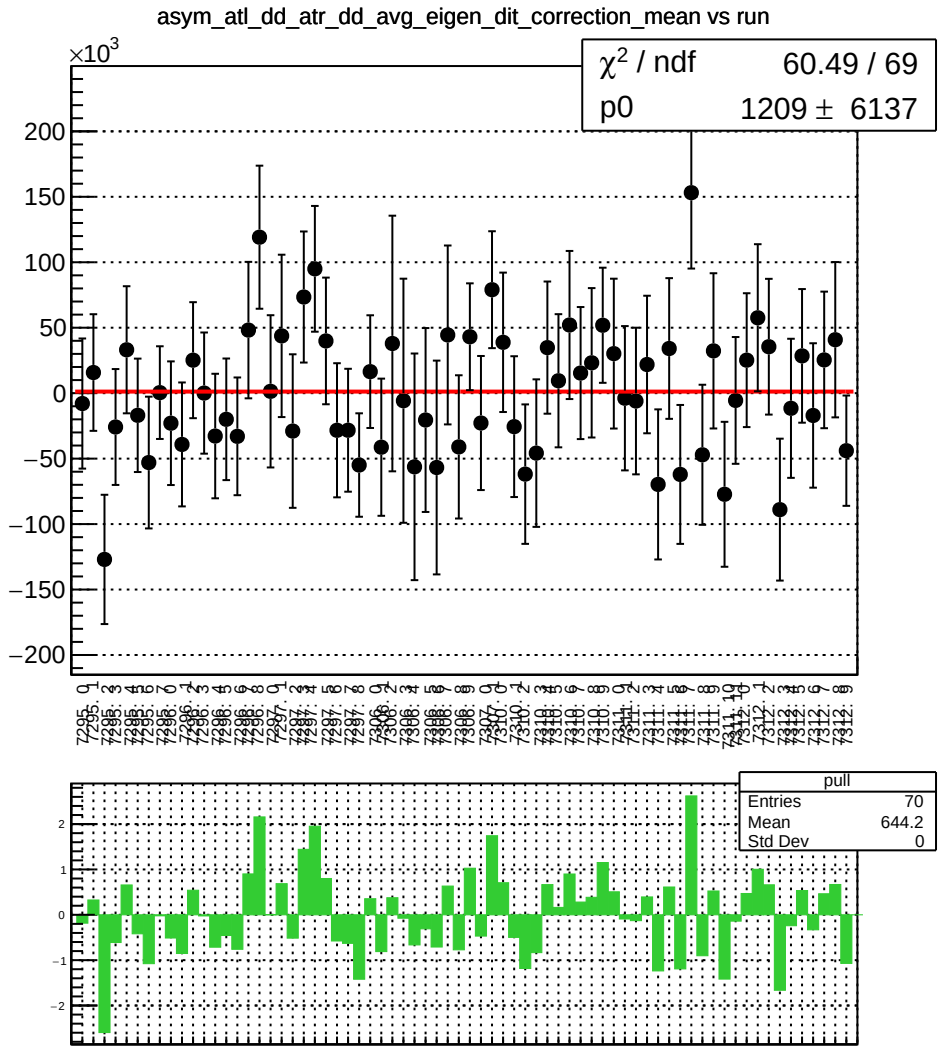

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

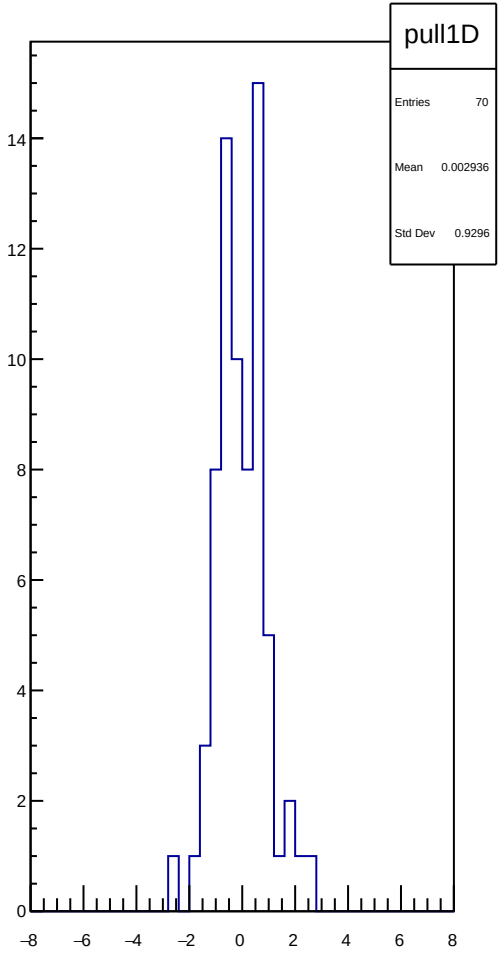

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

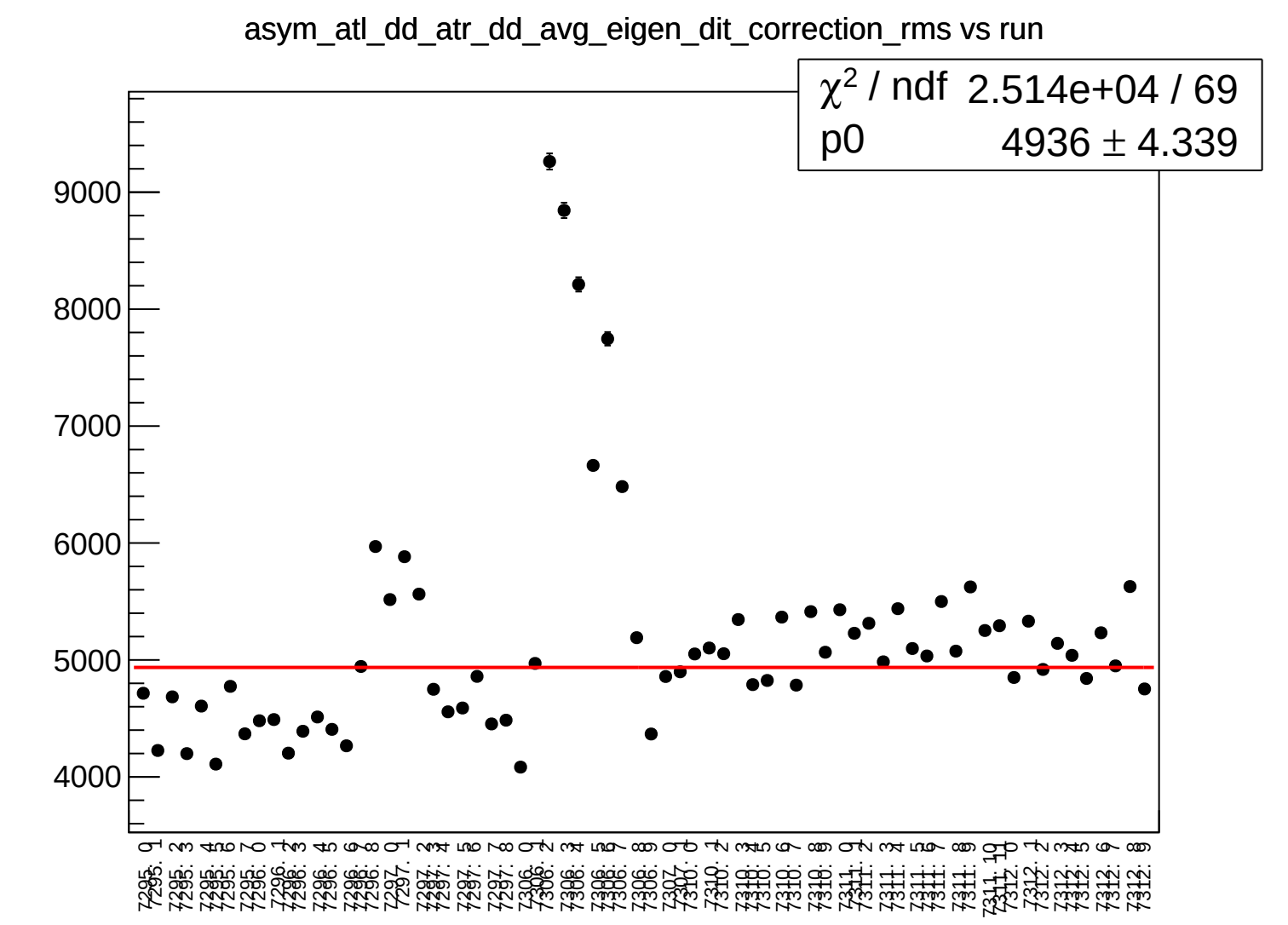

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.17
Std Dev 56.52

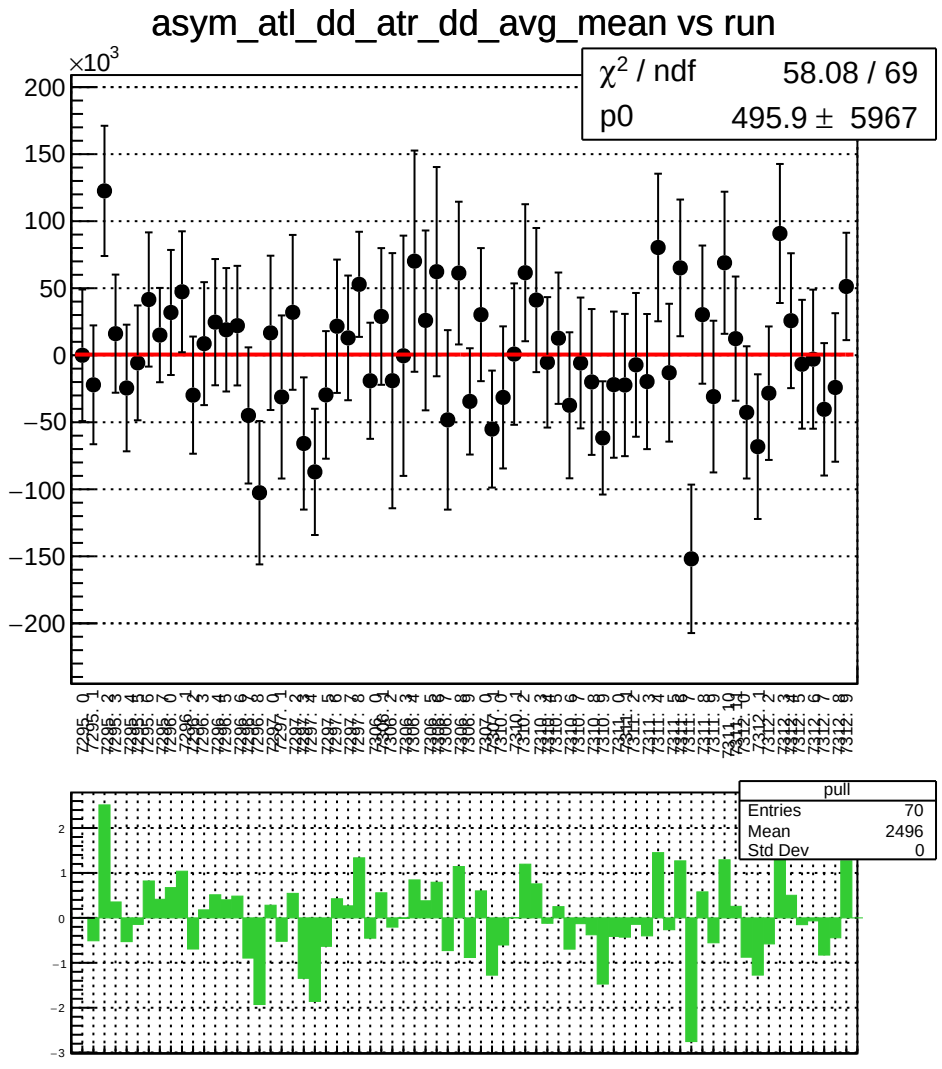

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

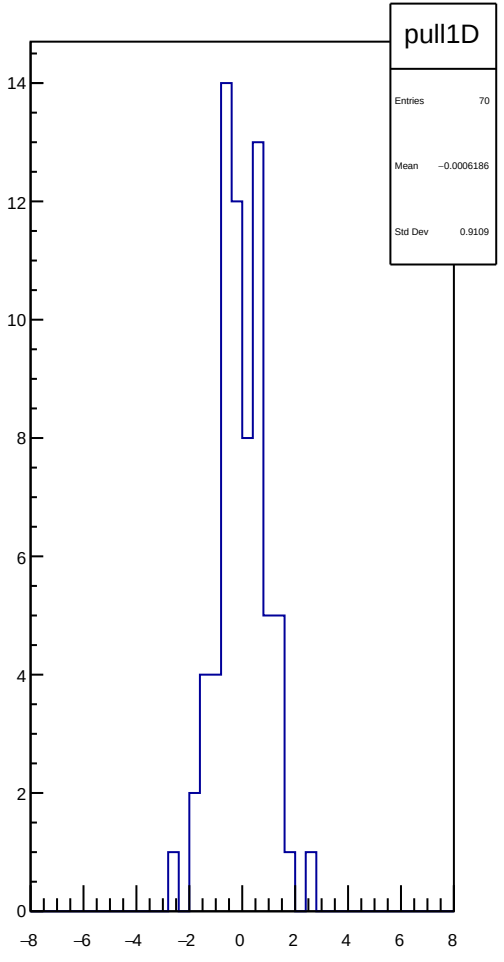

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

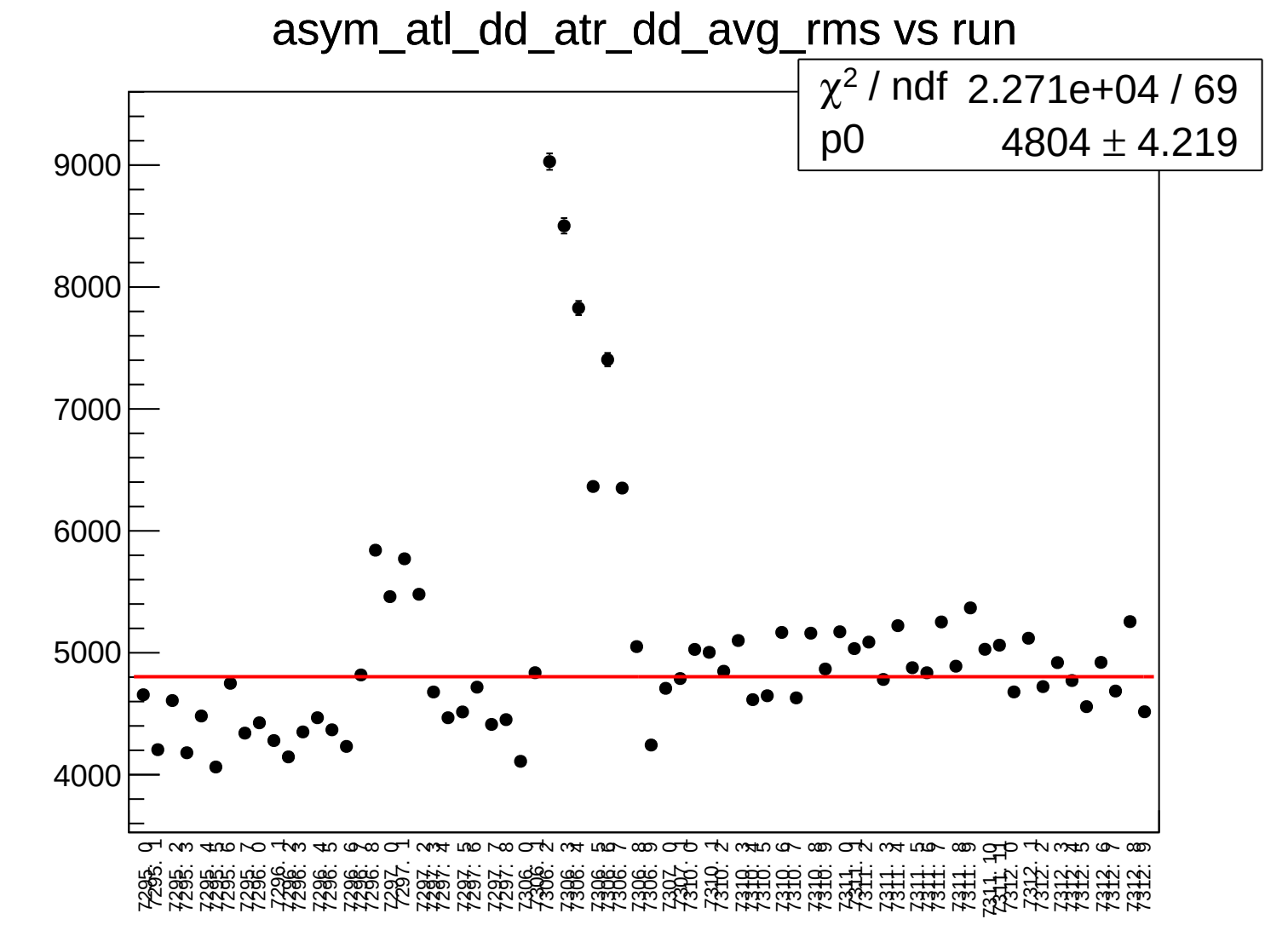

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

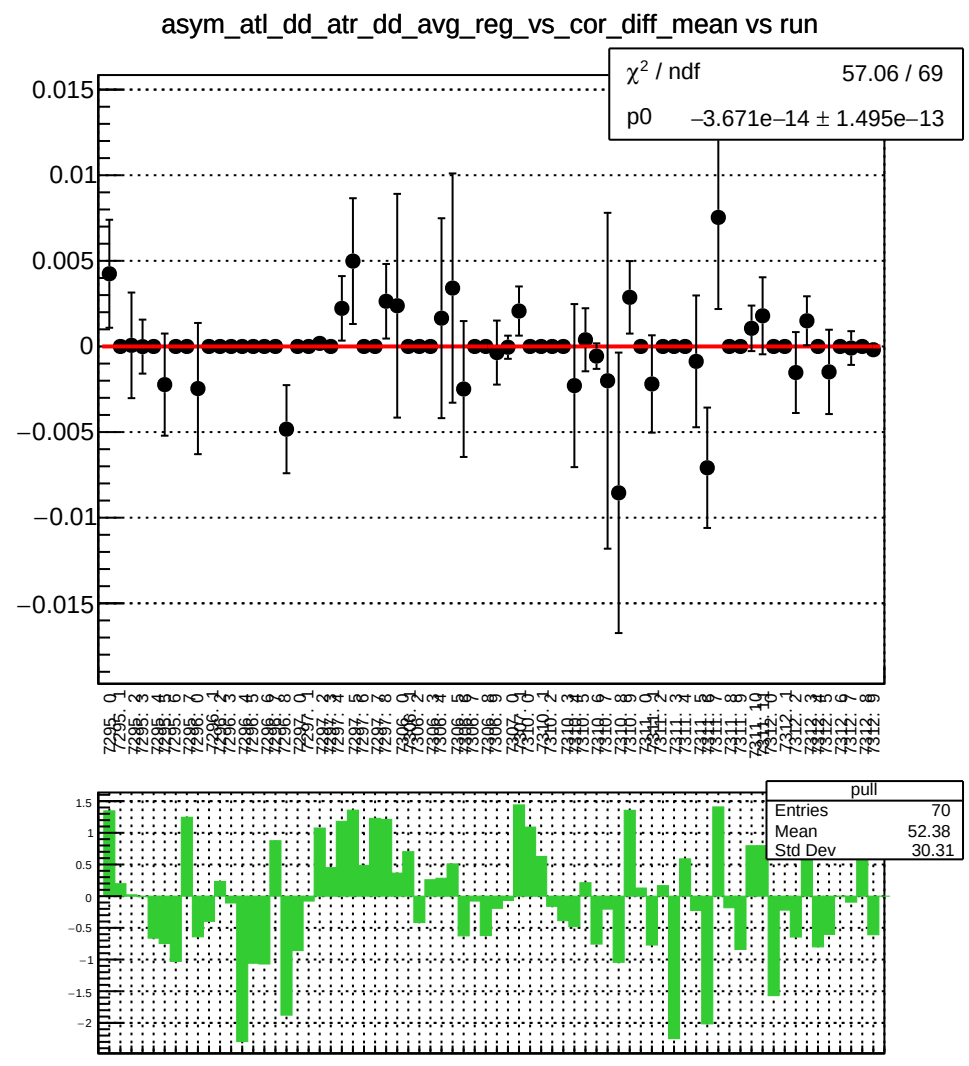

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

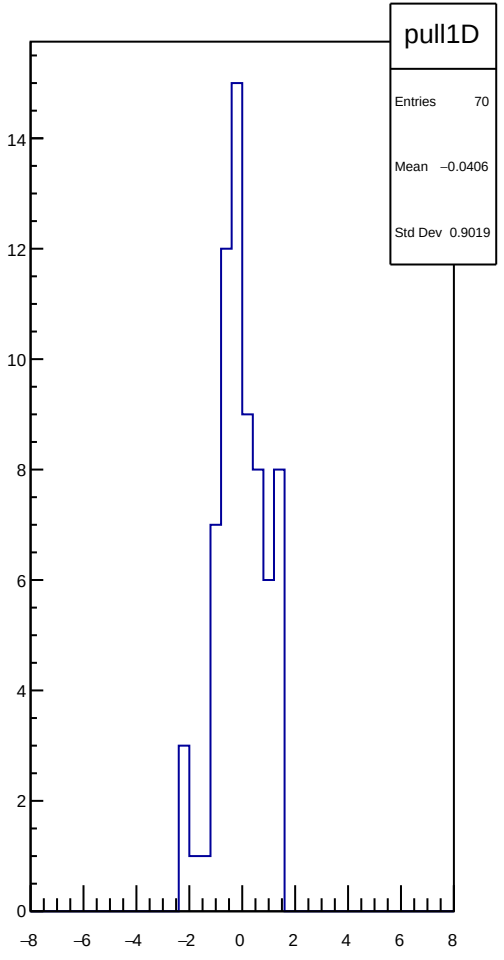

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

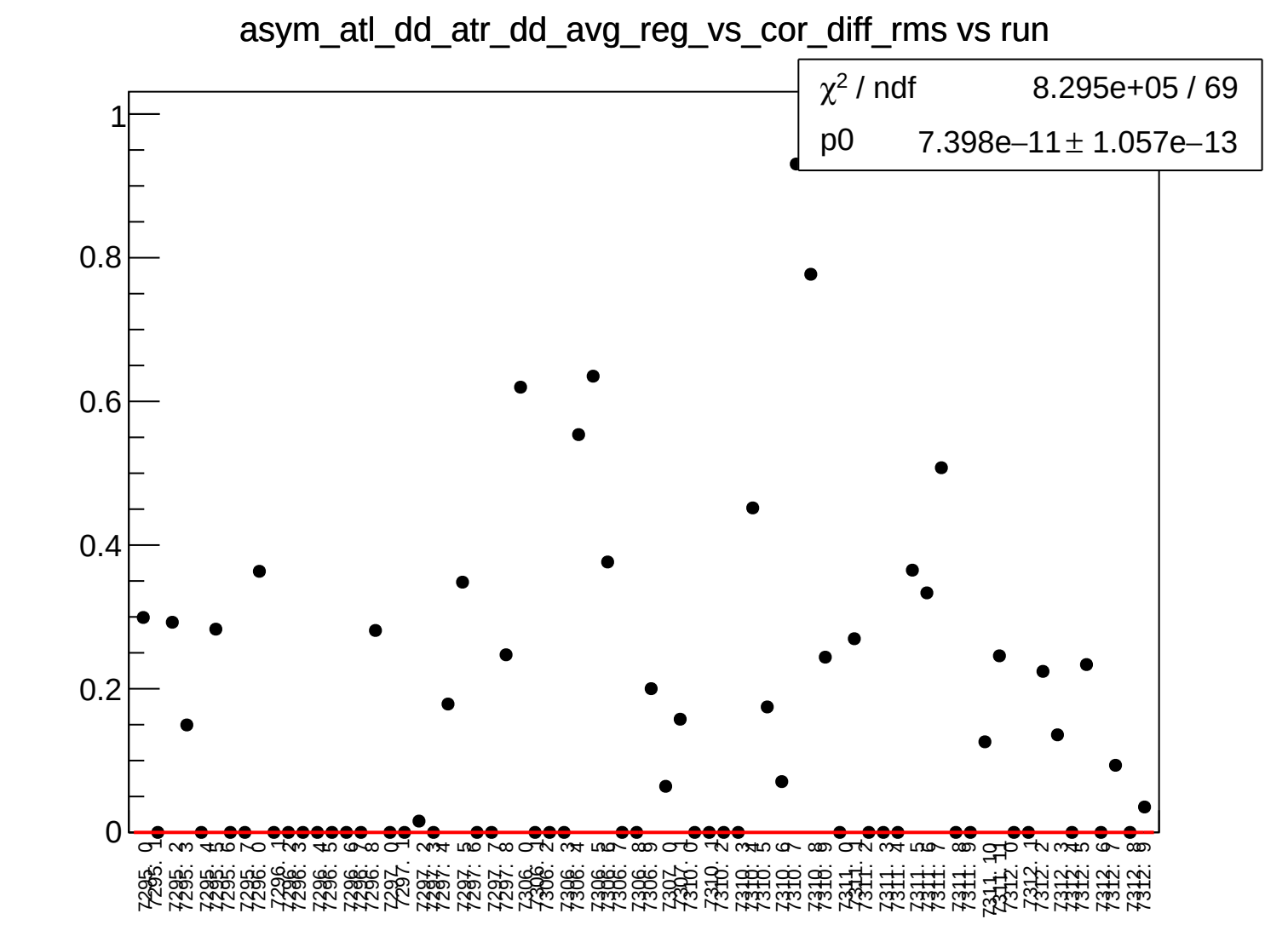

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 58.08 / 69
p0 495.9 ± 5967
pull
Entries 70
Mean 2496
Std Dev 0

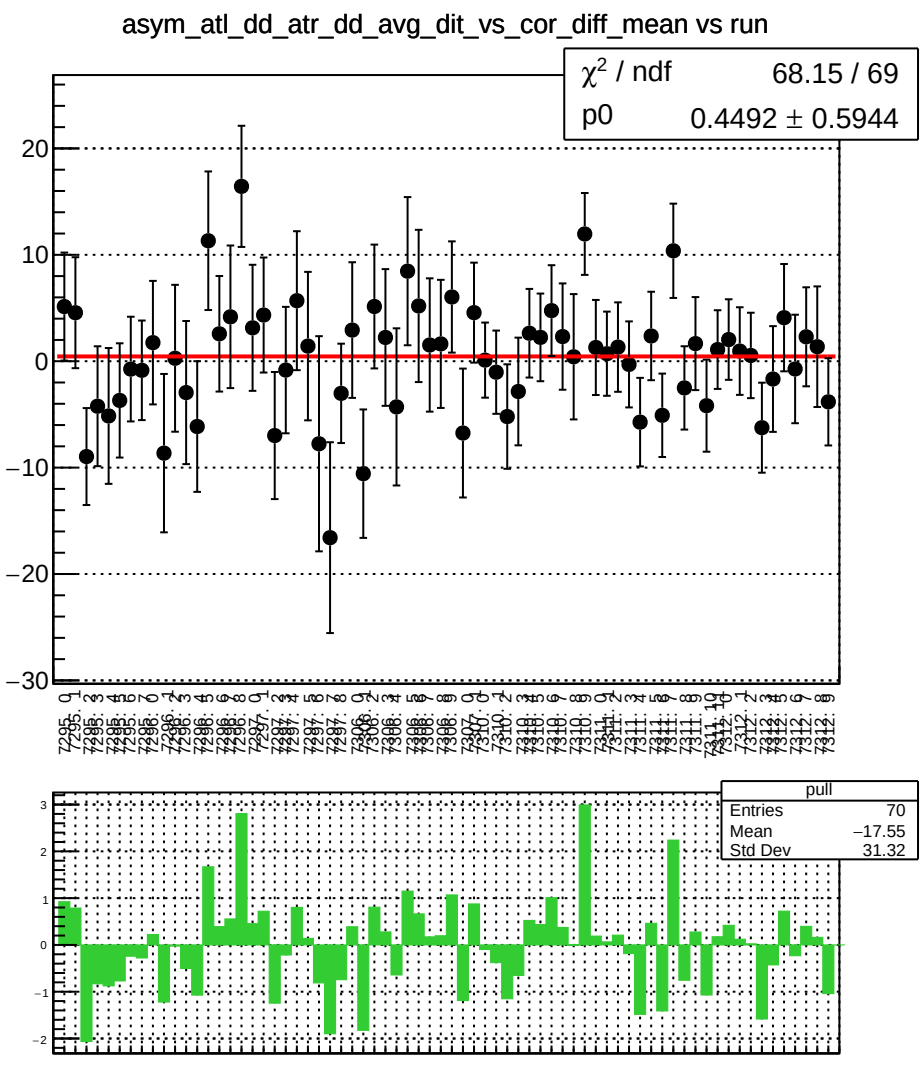

pull1D
Entries 70
Mean −0.0006186
Std Dev 0.9109

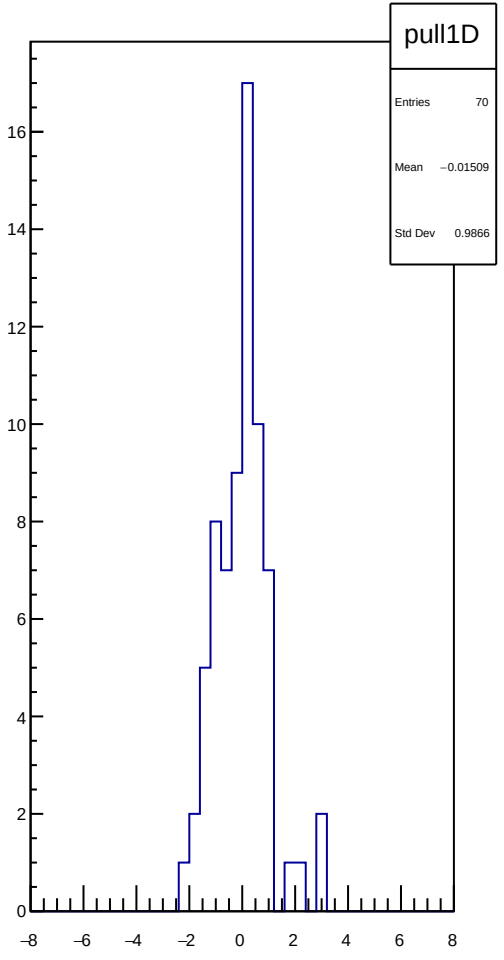

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.271e+04 / 69
p0 4804 ± 4.219
9000
8000
7000
6000
5000
4000

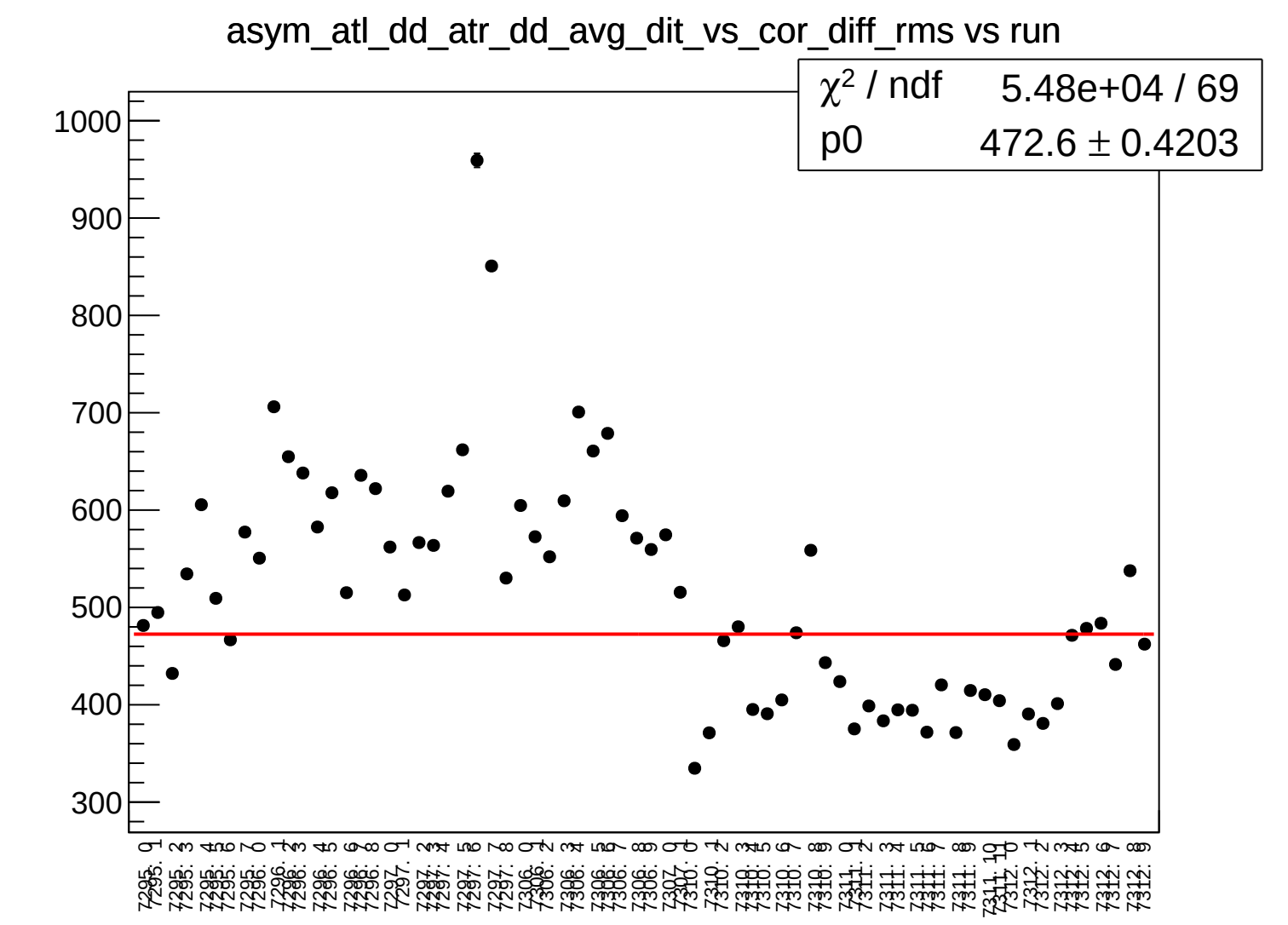

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.06 / 69
p0 −3.671e−14 ± 1.495e−13
pull
Entries 70
Mean 52.38
Std Dev 30.31

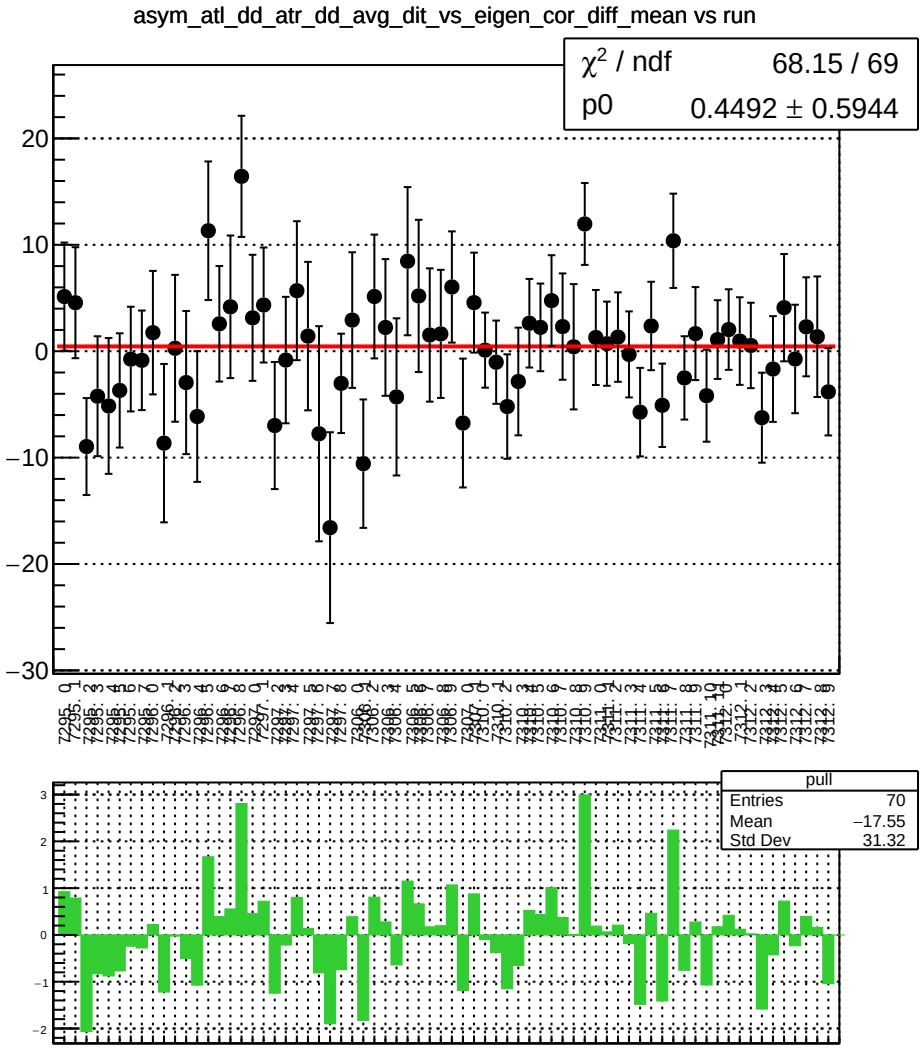

pull1D
Entries 70
Mean −0.0406
Std Dev 0.9019

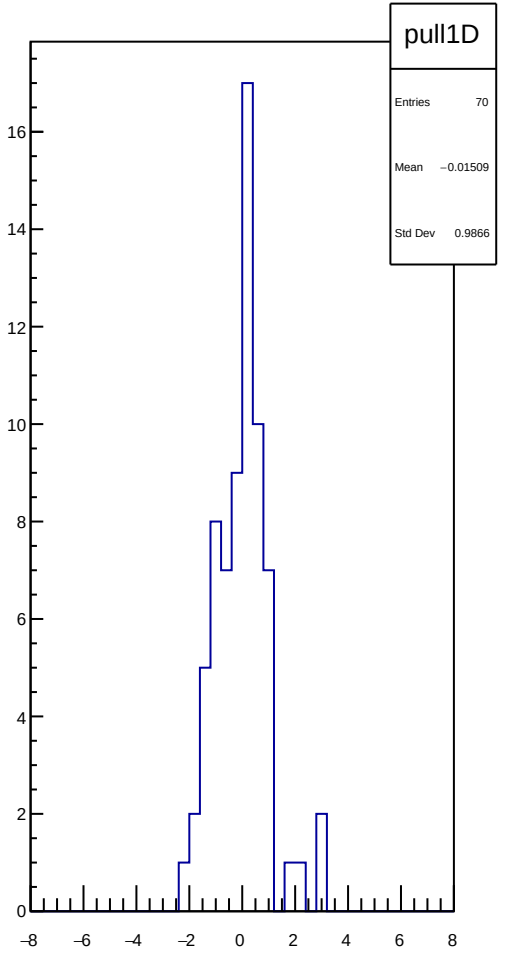

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.295e+05 / 69
p0 7.398e−11 ± 1.057e−13
1
0.8
0.6
0.4
0.2
0

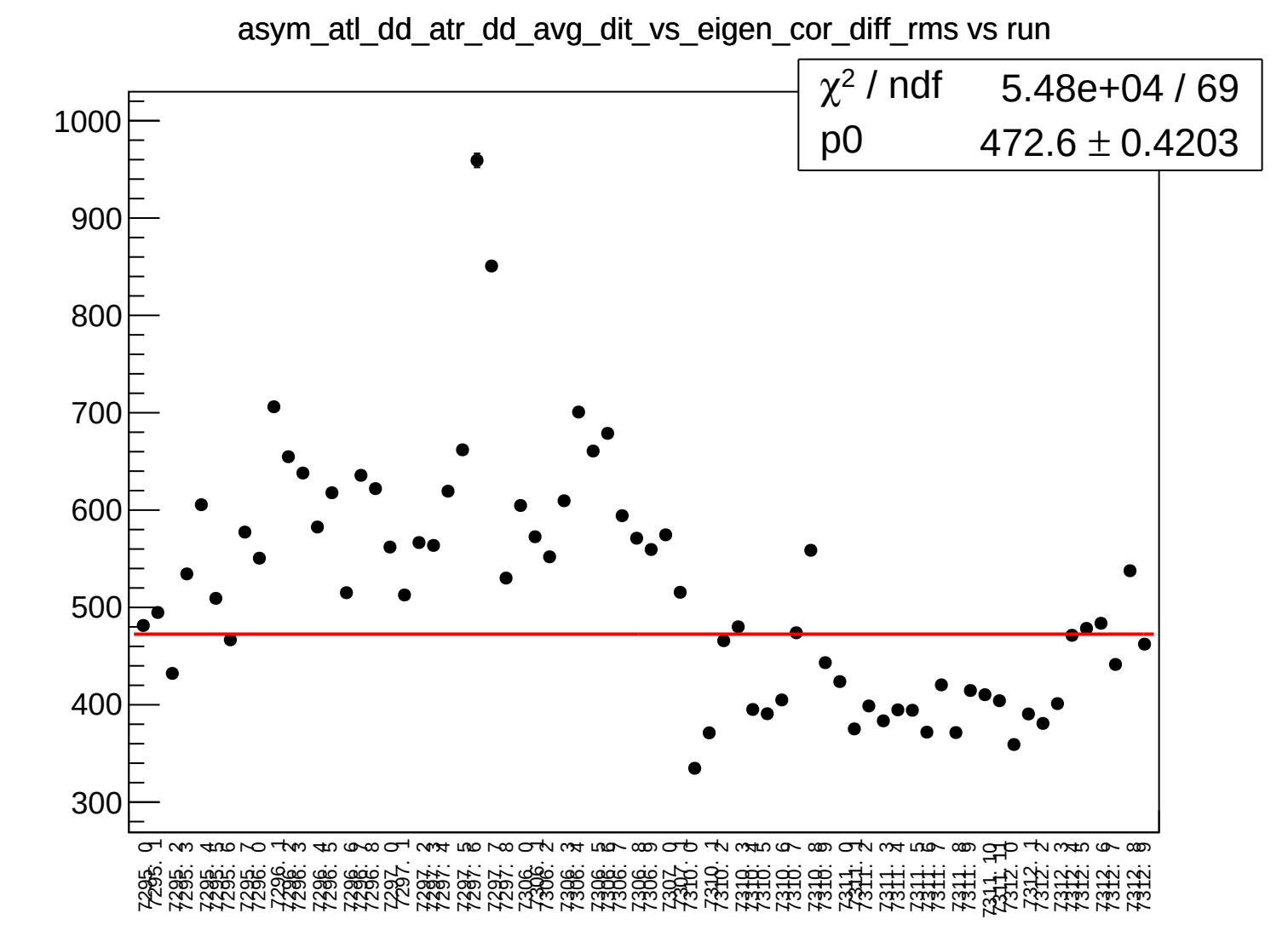

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.55
Std Dev 31.32

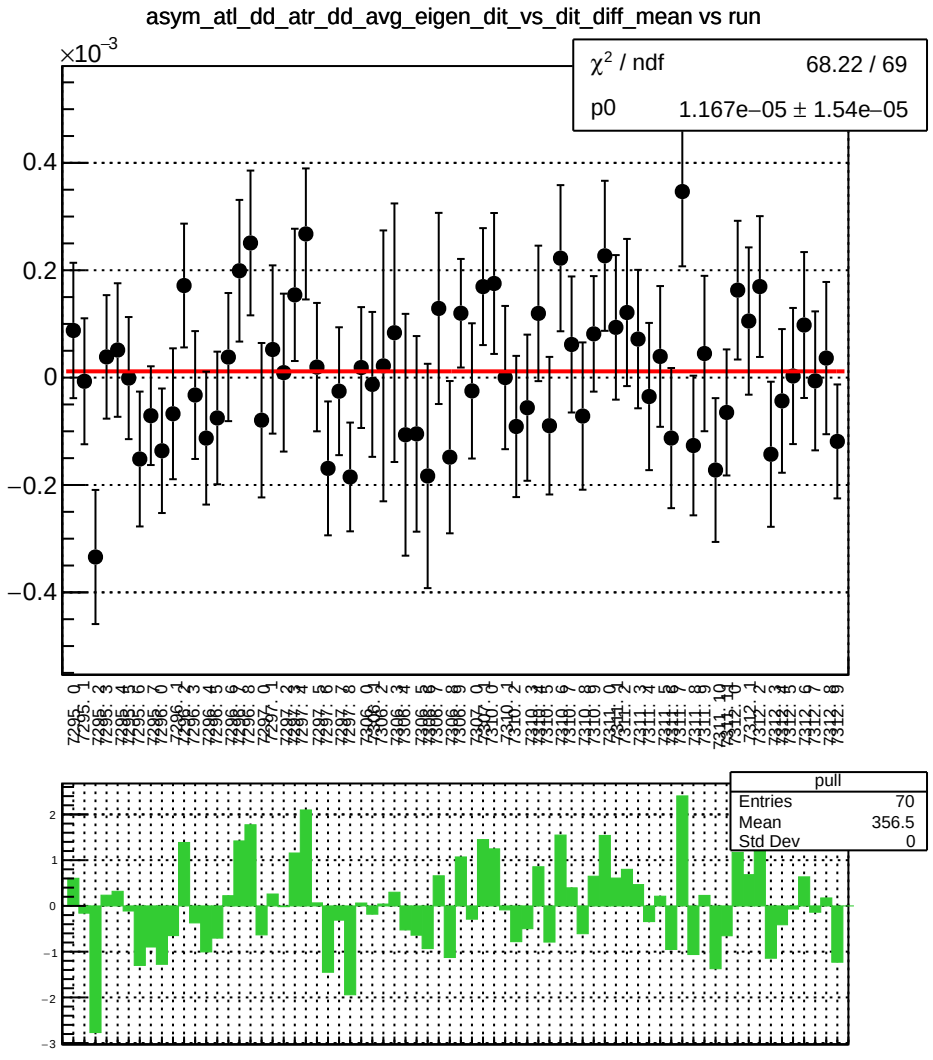

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

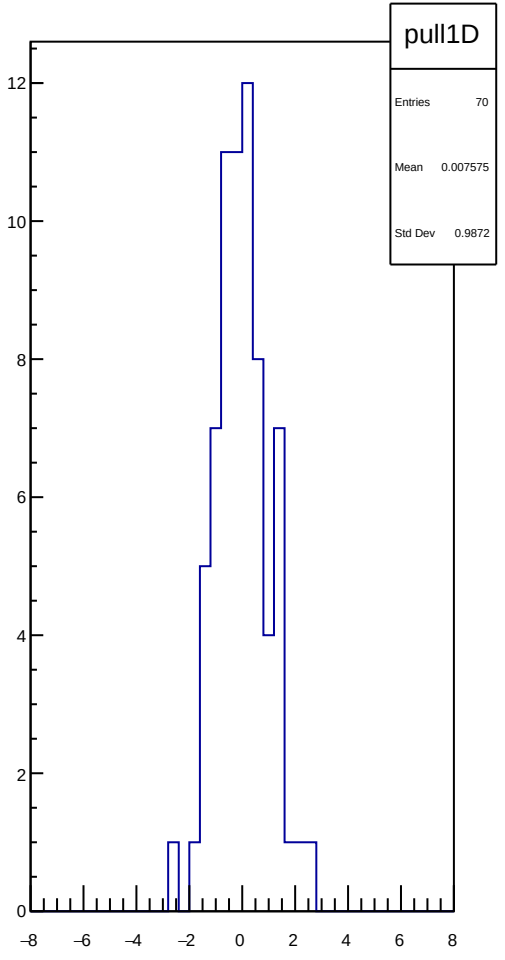

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

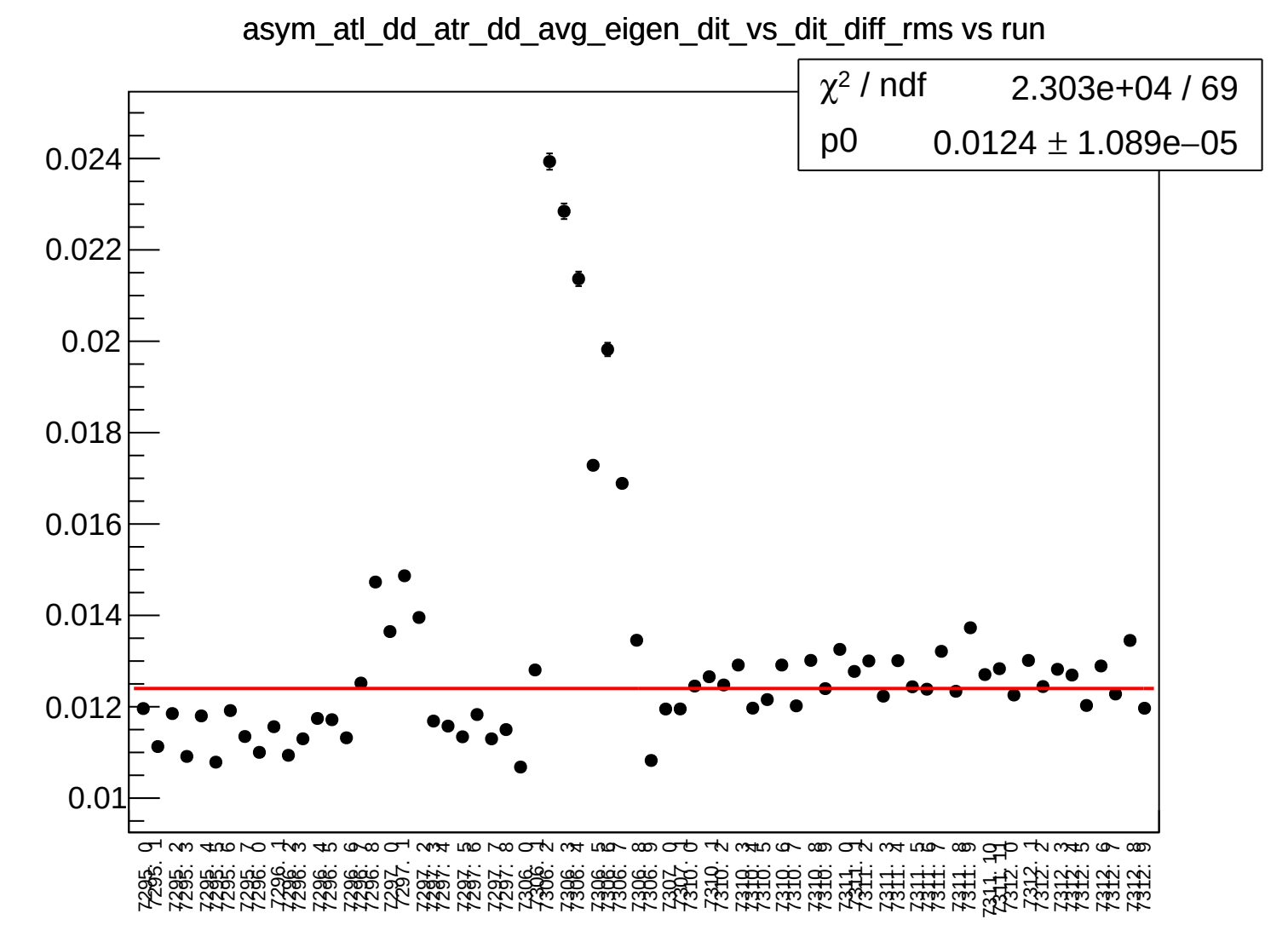

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.55
Std Dev 31.32

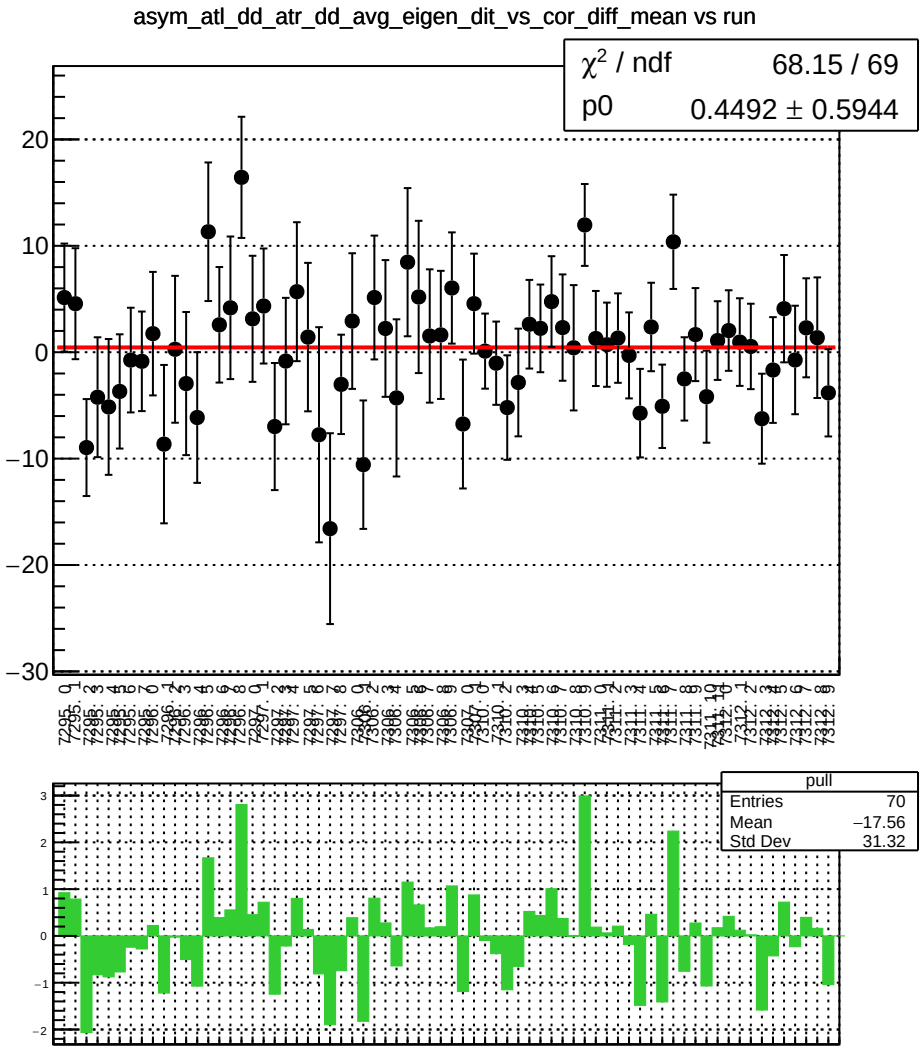

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

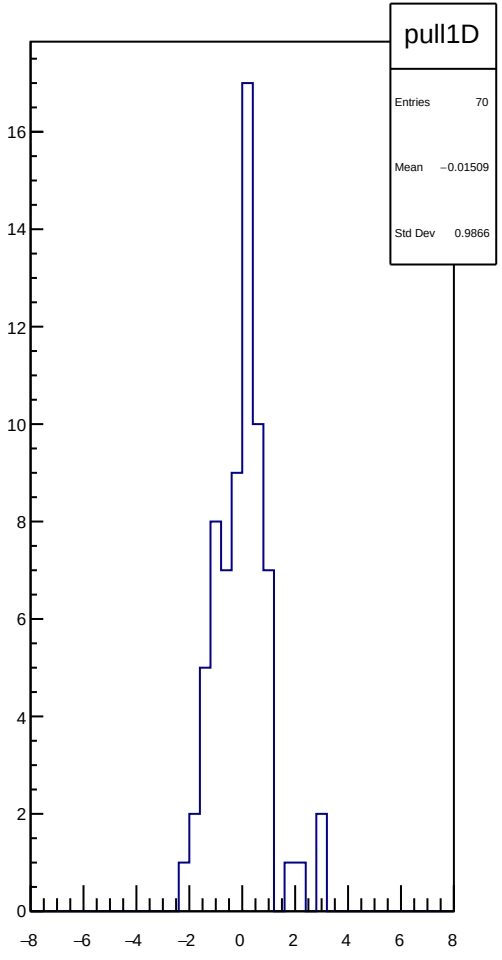

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

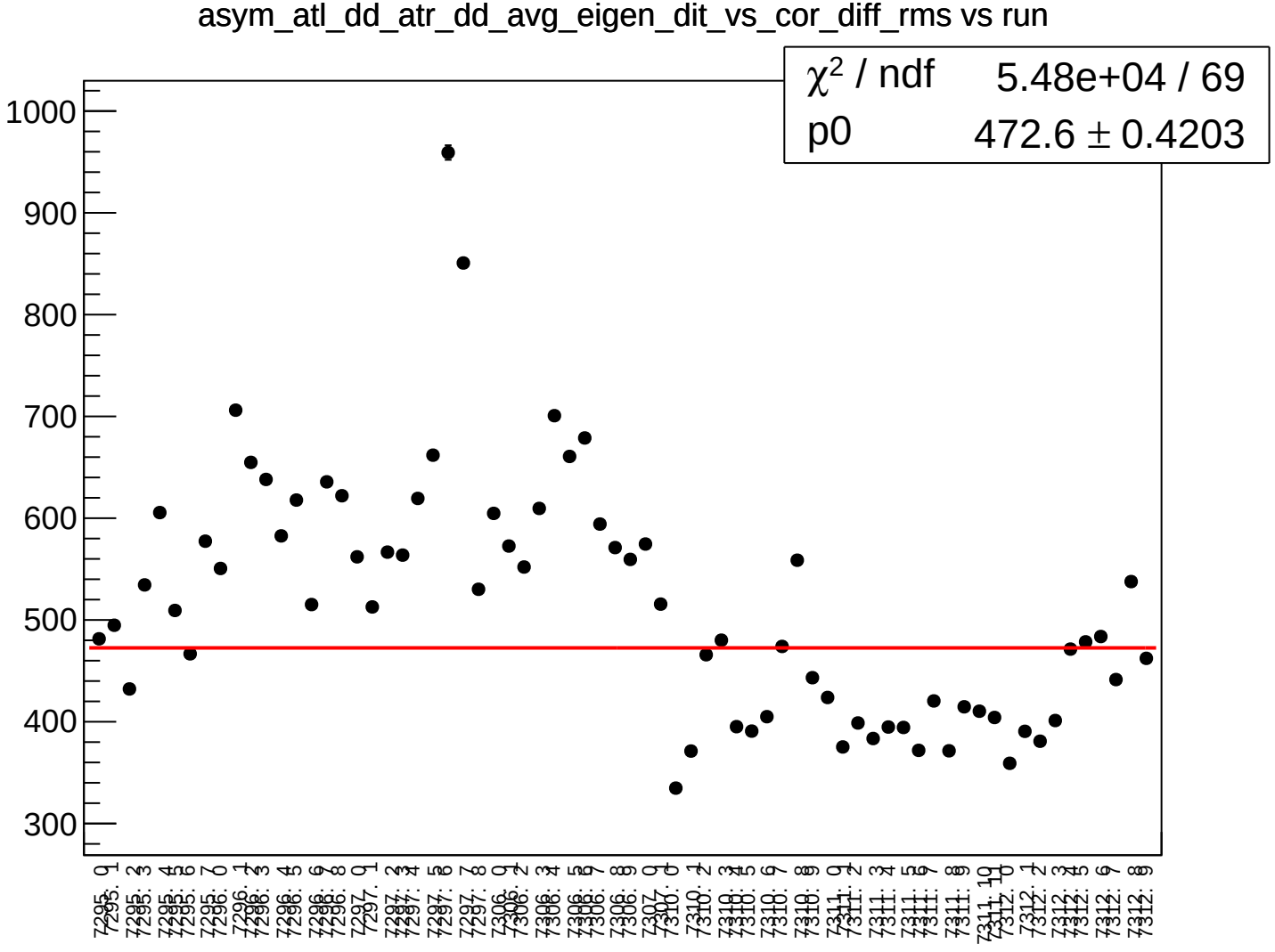

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.22 / 69
p0 1.167e−05 ± 1.54e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 356.5
Std Dev 0
2
1
0
−1
−2
−3

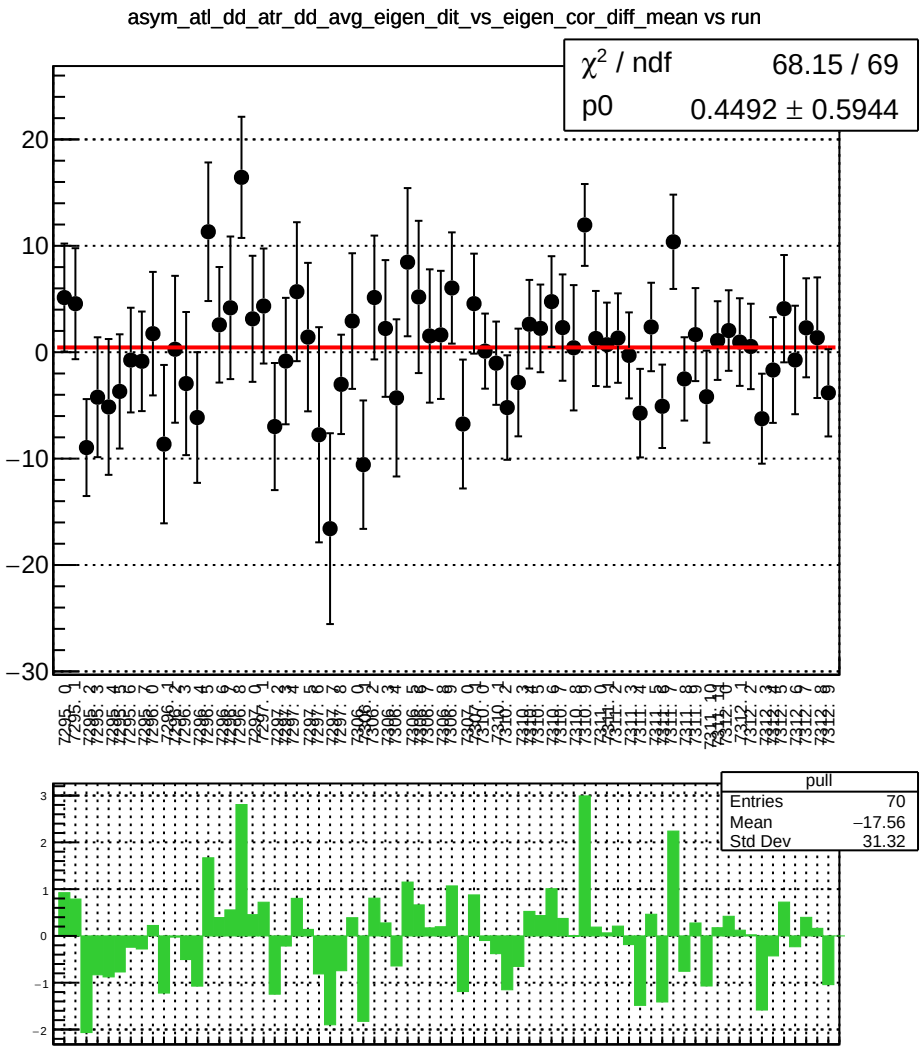

pull1D
Entries 70
Mean 0.007575
Std Dev 0.9872
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

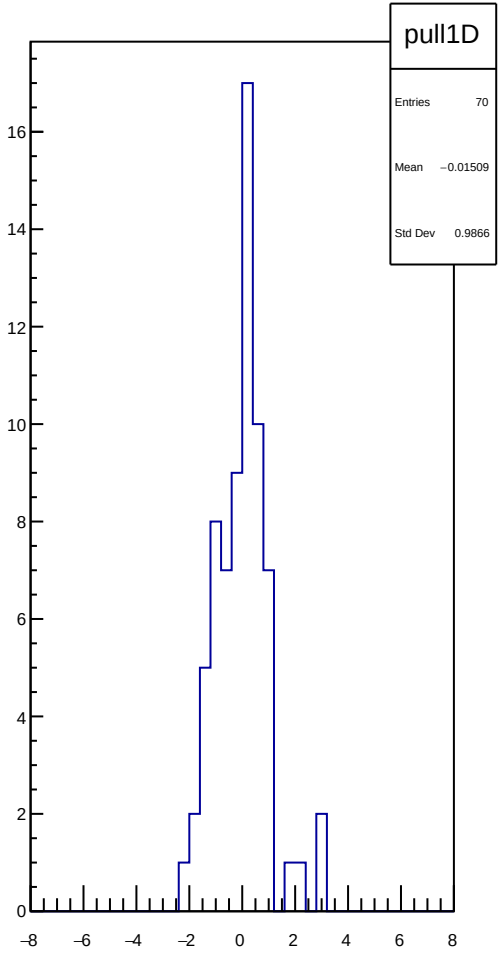

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.303e+04 / 69
p0 0.0124 ± 1.089e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

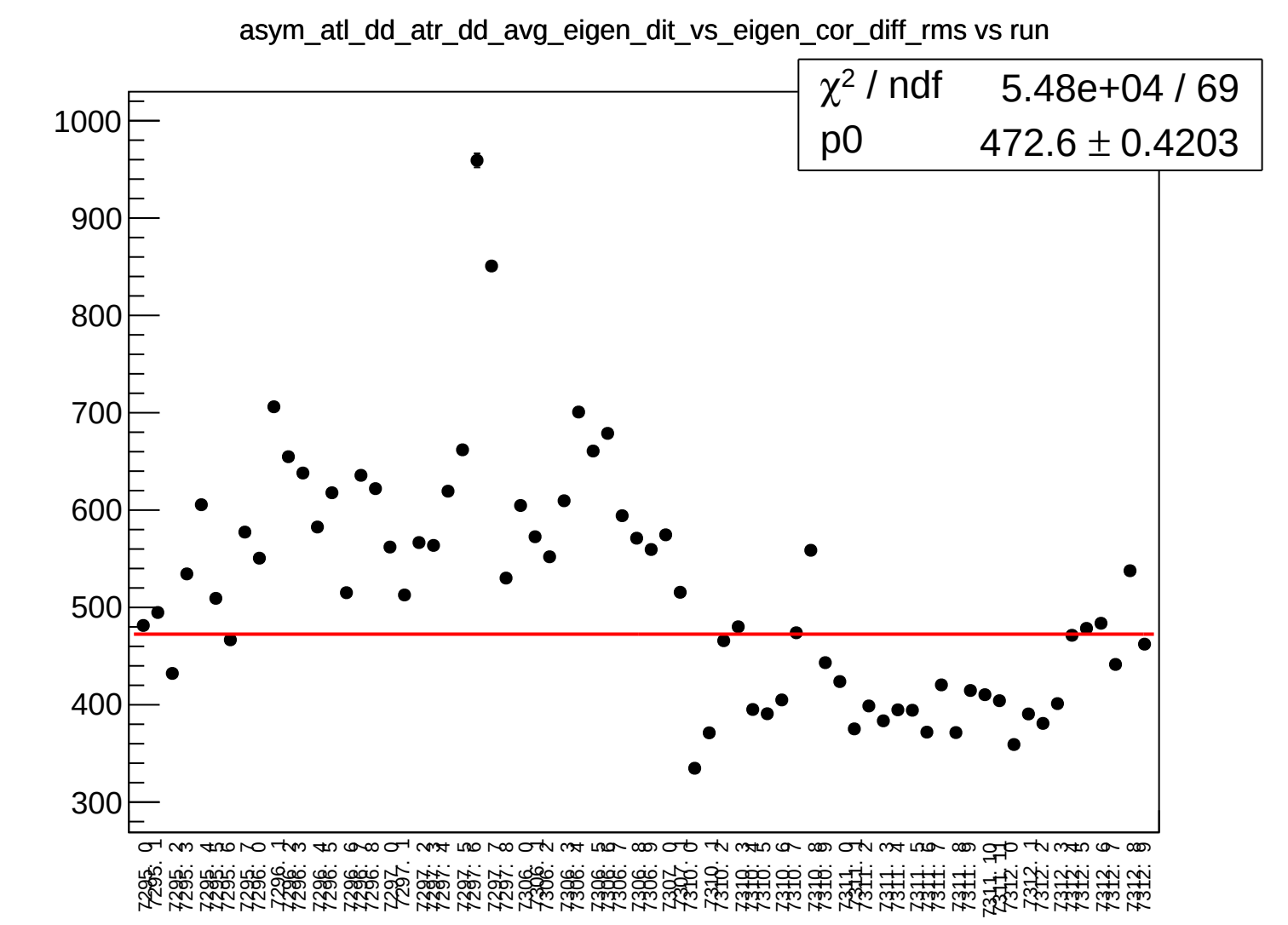

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32

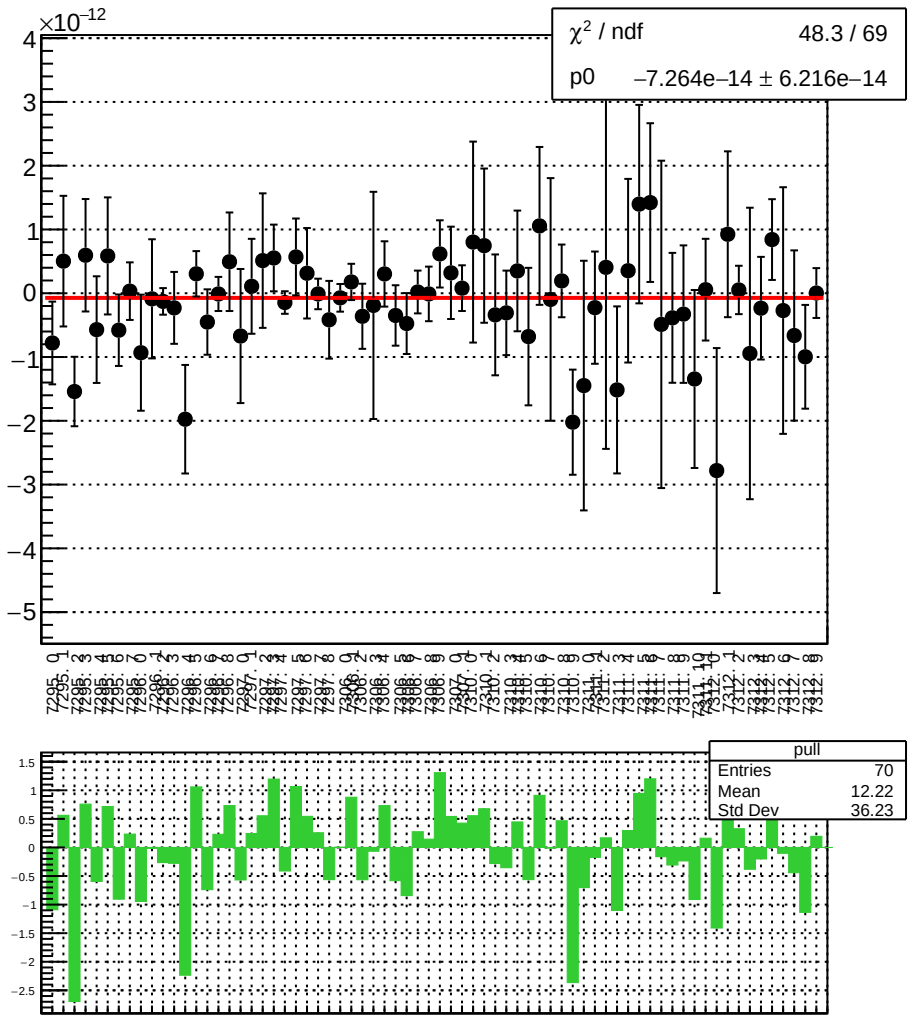

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

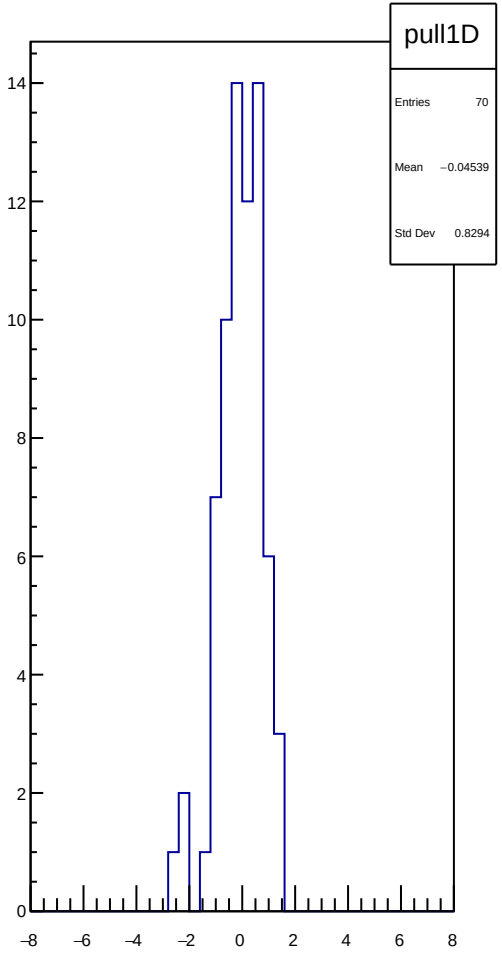

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

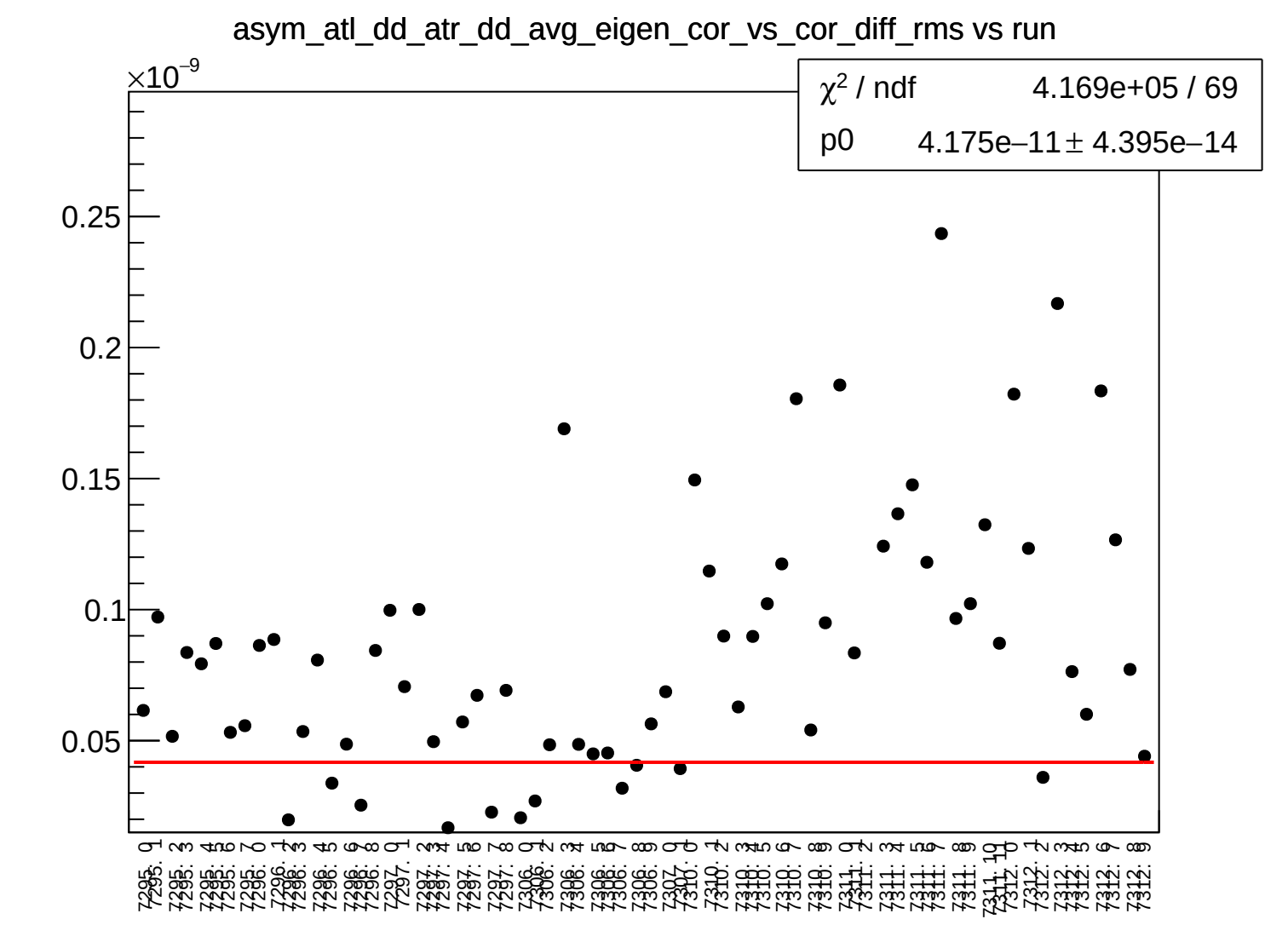

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32

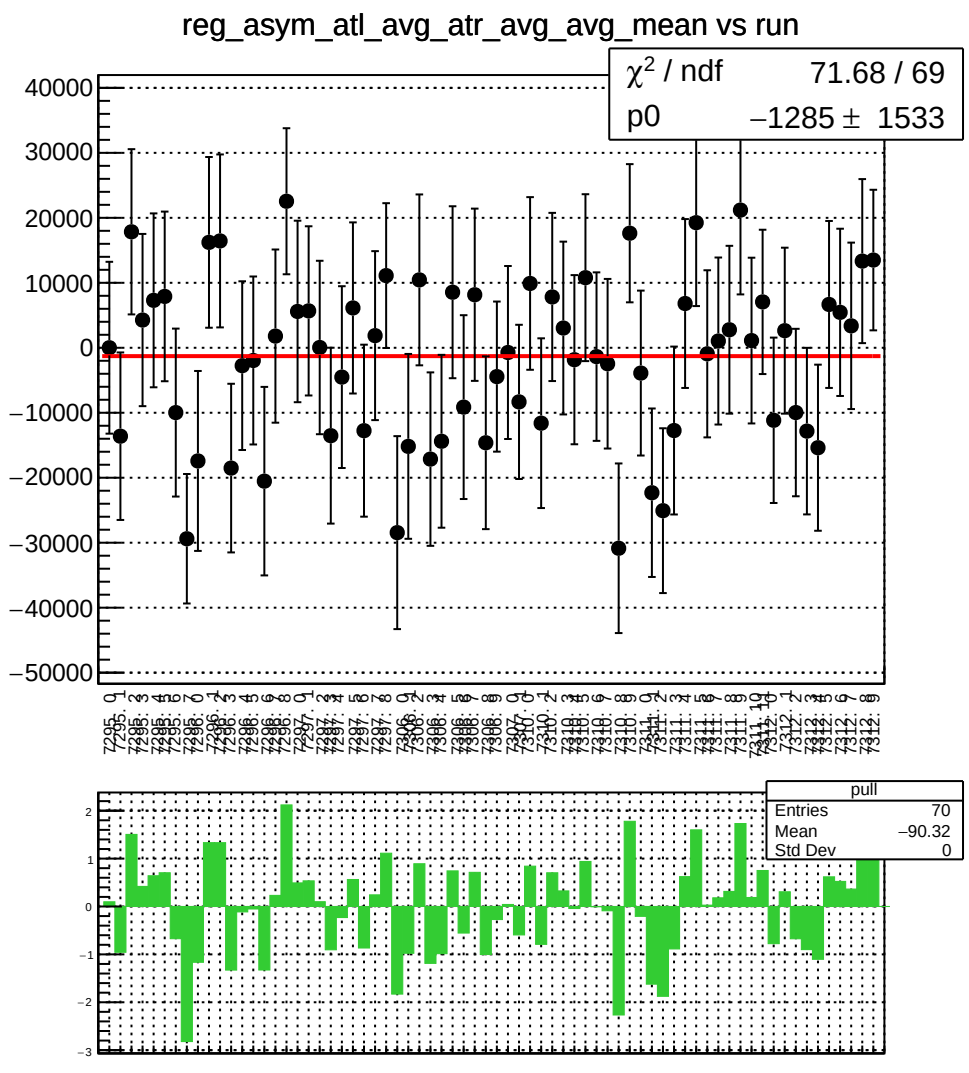

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

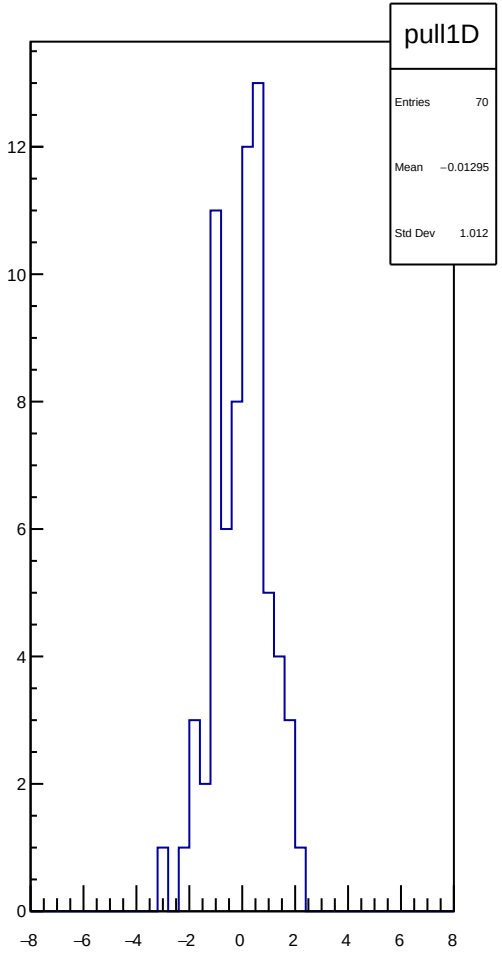

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

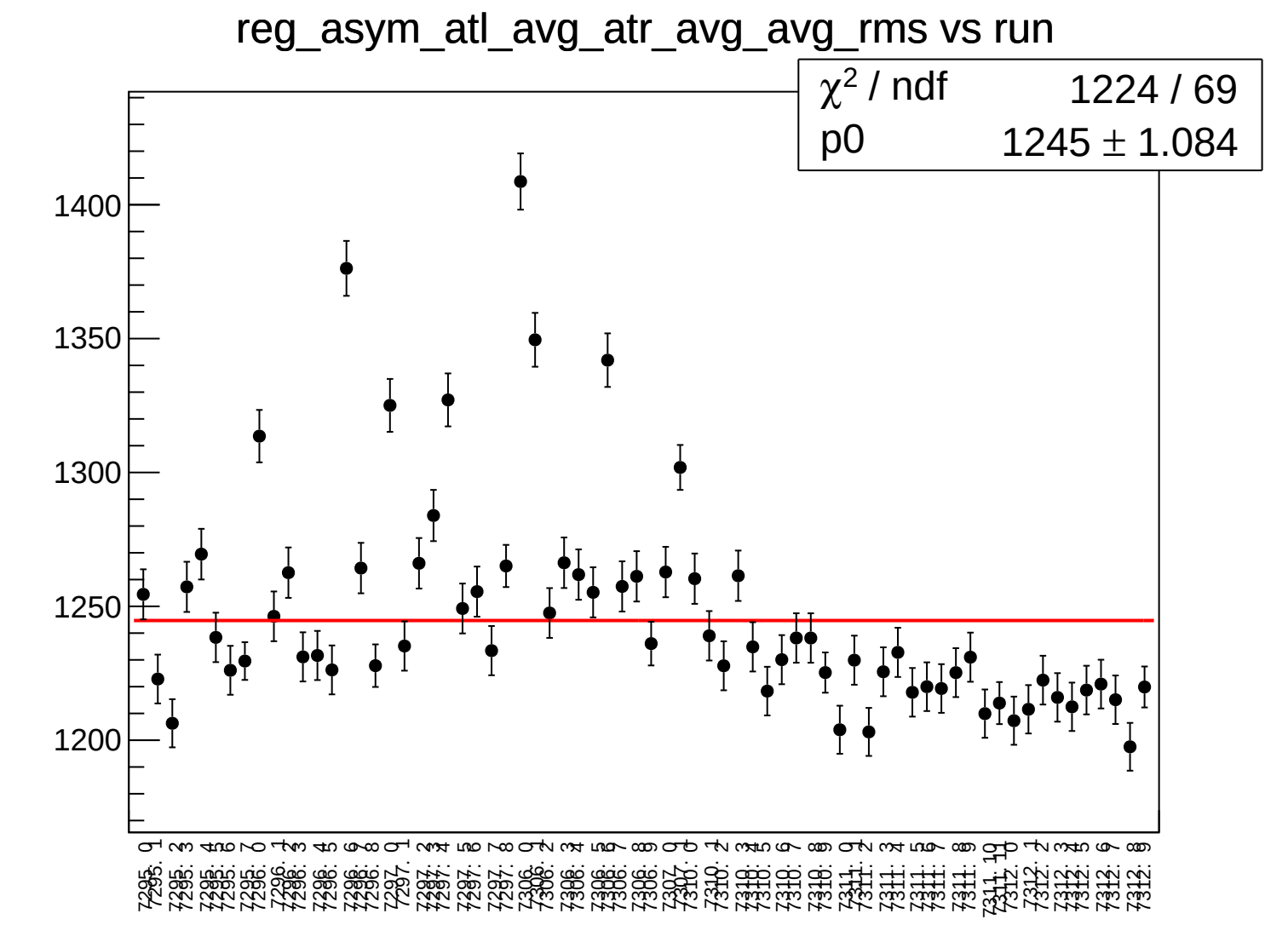

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.3 / 69
p0 −7.264e−14 ± 6.216e−14
pull
Entries 70
Mean 12.22
Std Dev 36.23

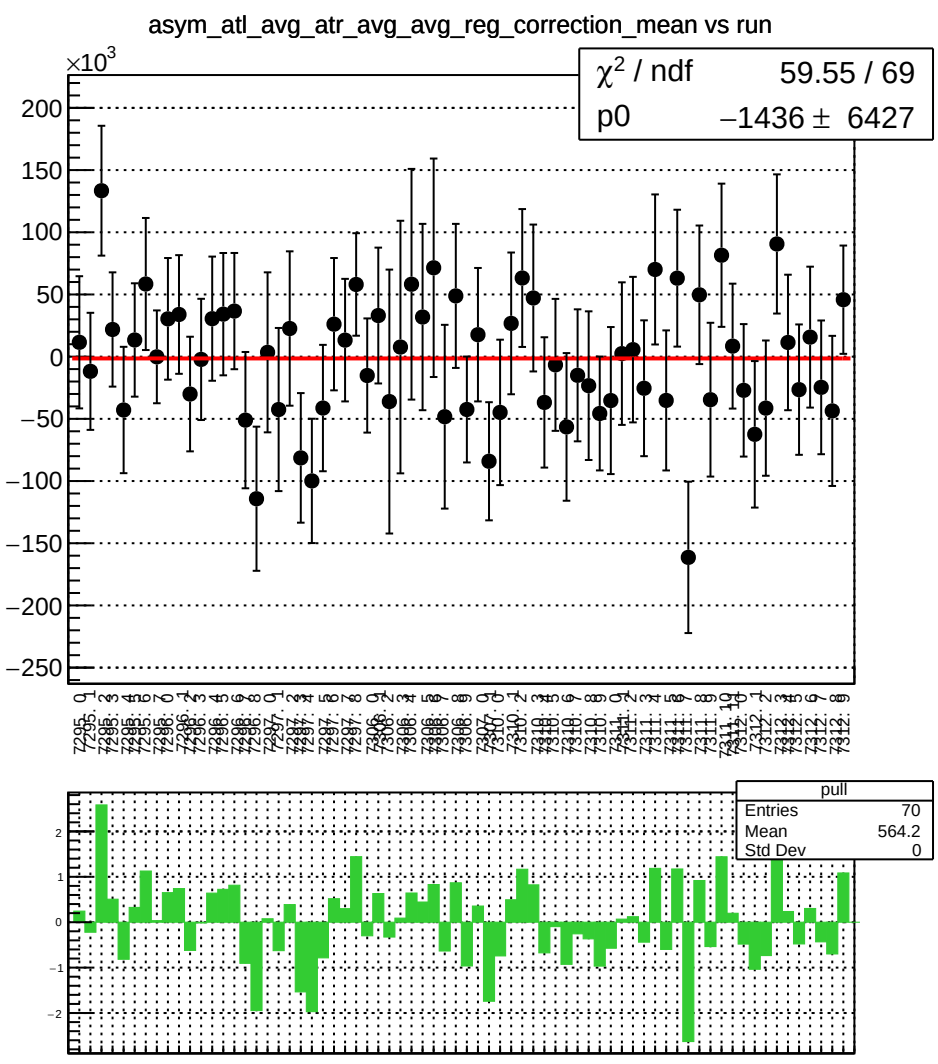

pull1D
Entries 70
Mean −0.04539
Std Dev 0.8294

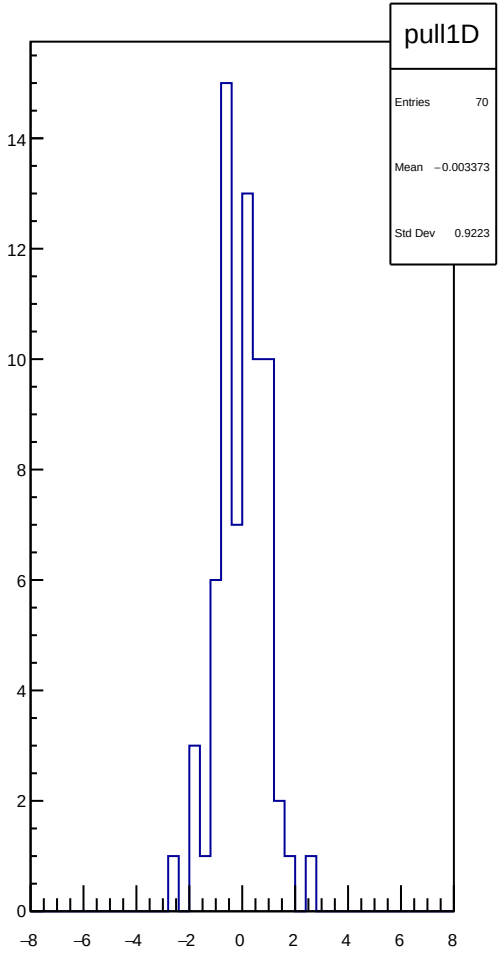

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.169e+05 / 69
p0 4.175e−11 ± 4.395e−14
0.25
0.2
0.15
0.1
0.05

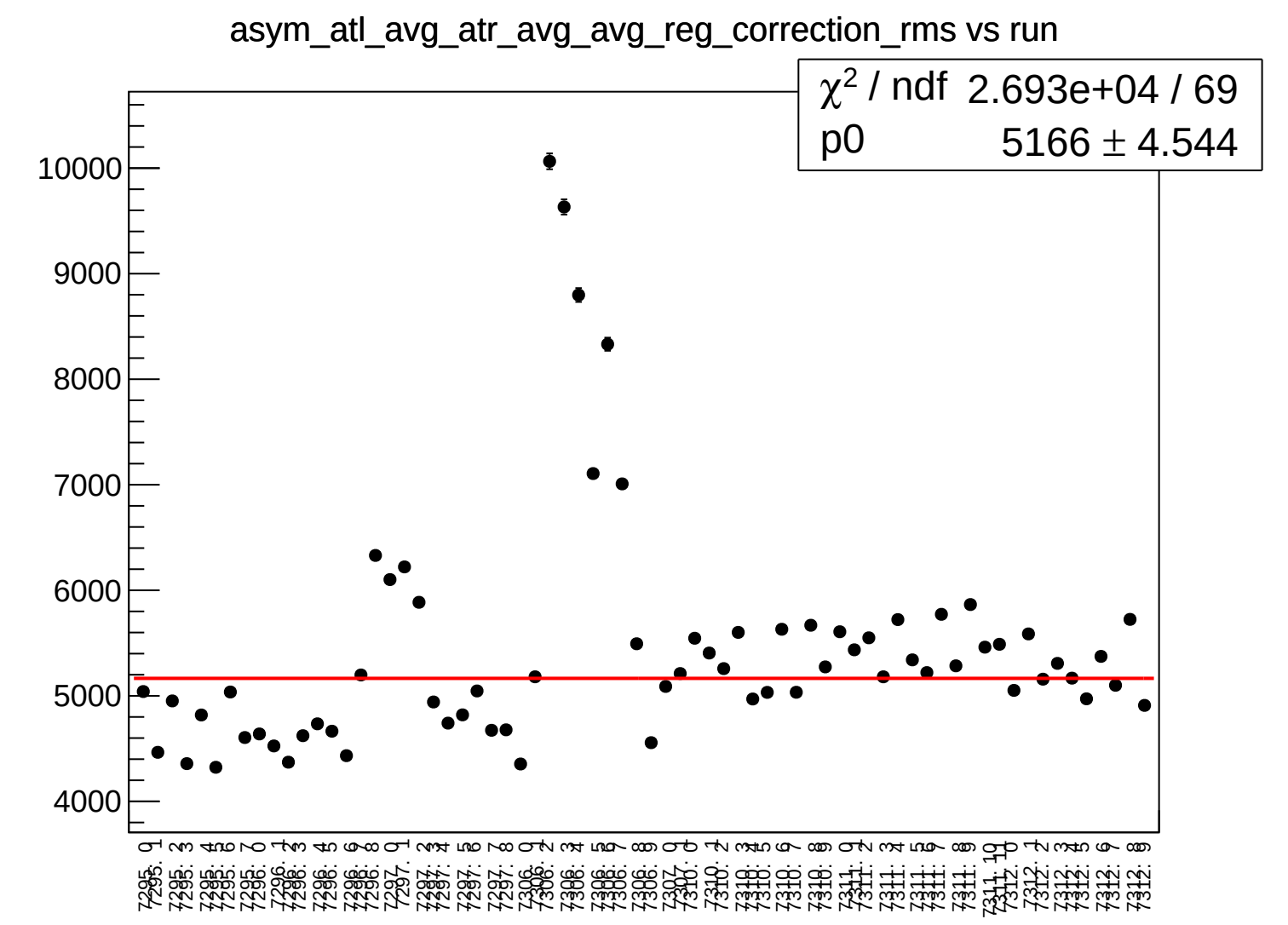

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.68 / 69
p0 −1285 ± 1533
pull
Entries 70
Mean −90.32
Std Dev 0

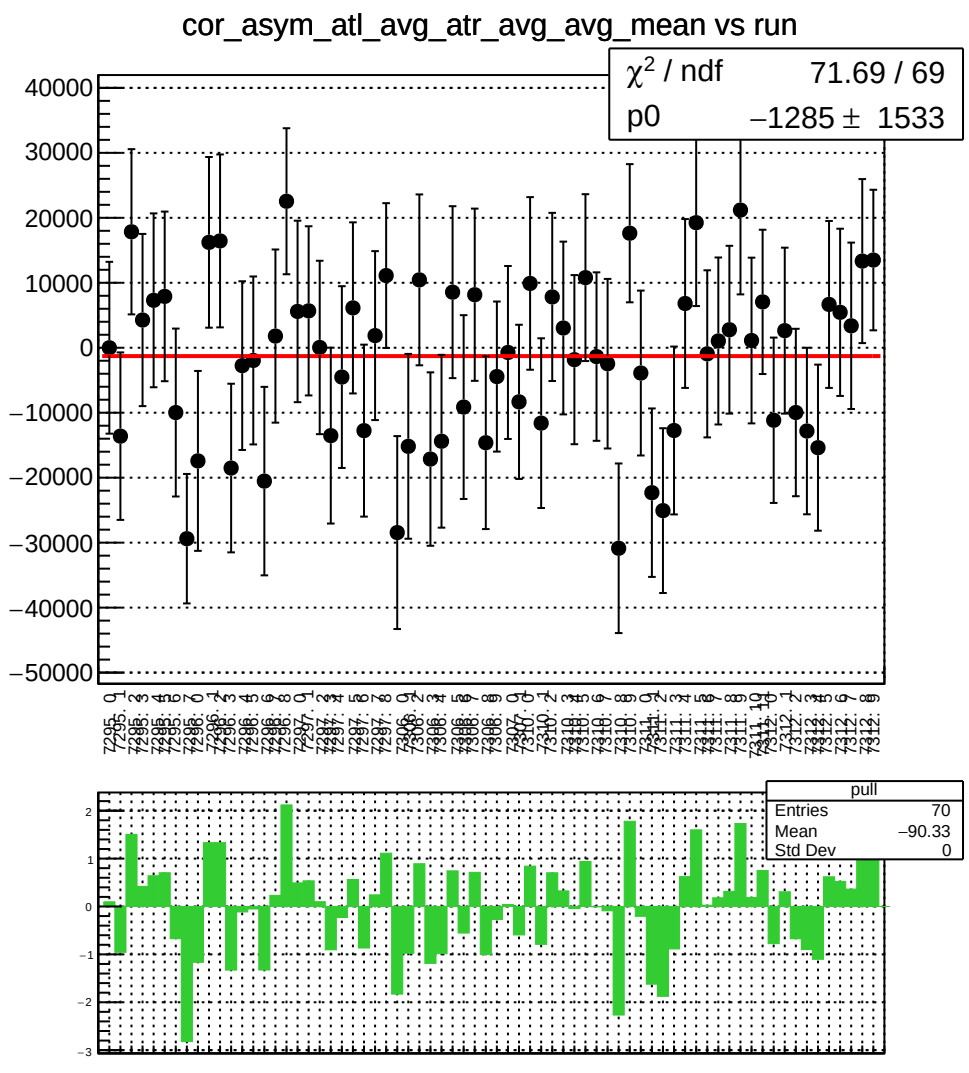

pull1D
Entries 70
Mean −0.01295
Std Dev 1.012

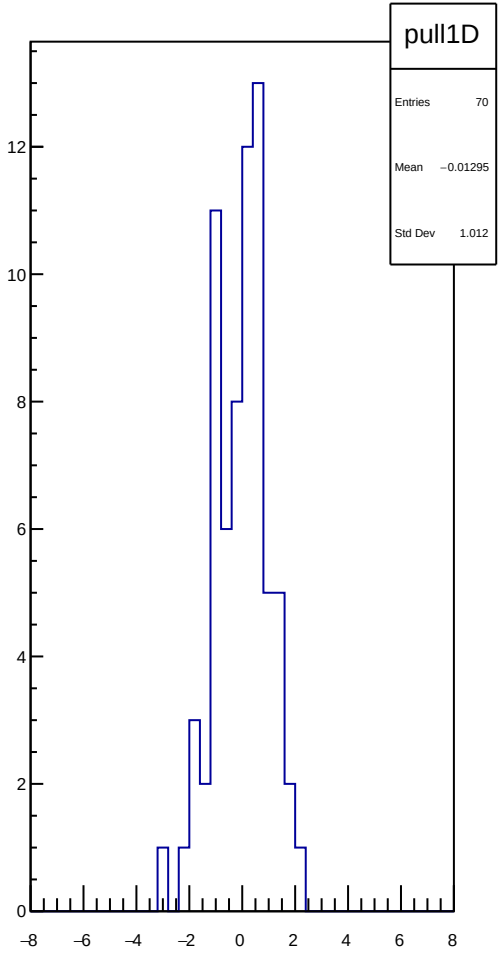

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1224 / 69
p0 1245 ± 1.084
1400
1350
1300
1250
1200

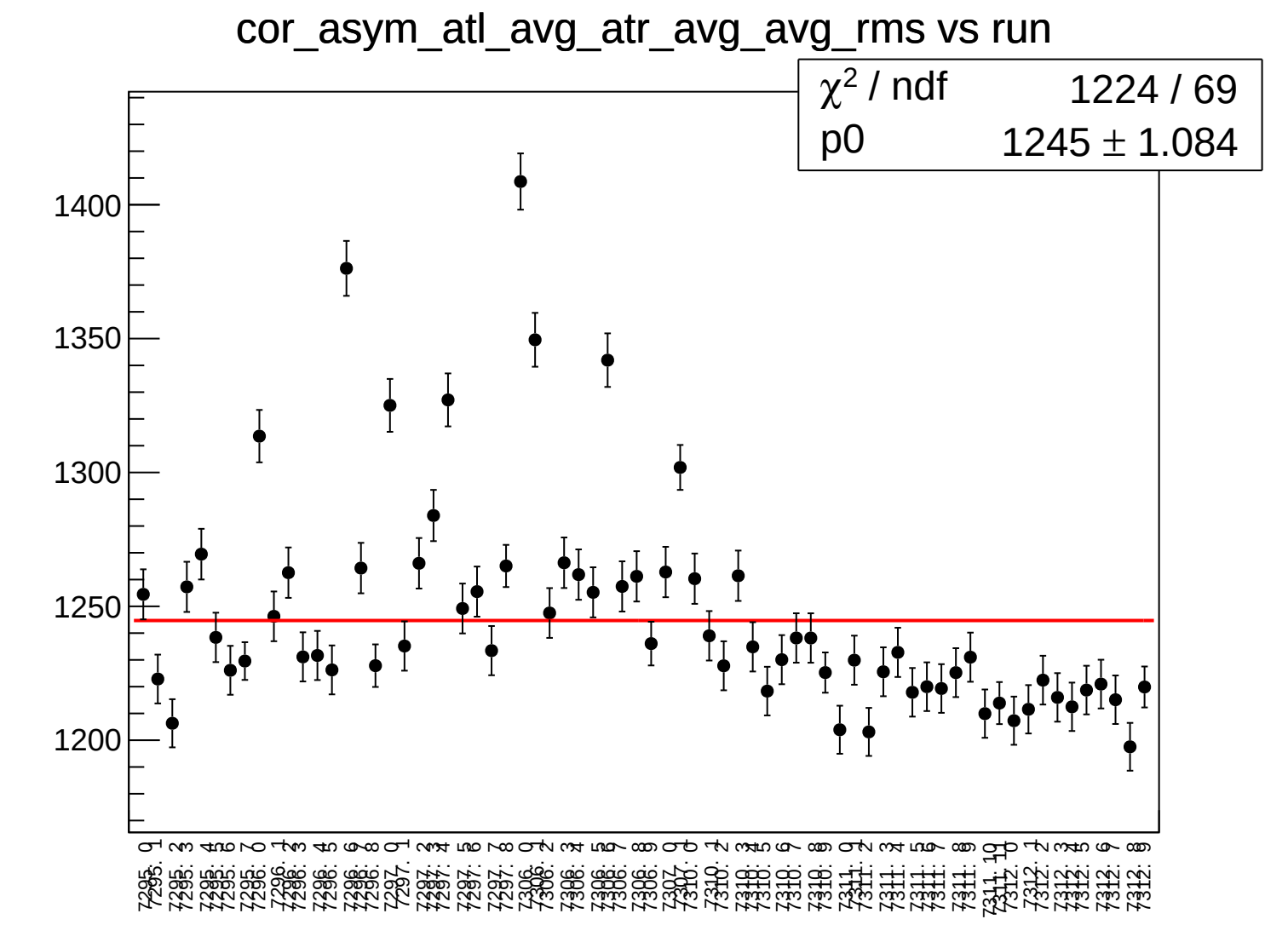

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.55 / 69
p0 −1436 ± 6427
pull
Entries 70
Mean 564.2
Std Dev 0

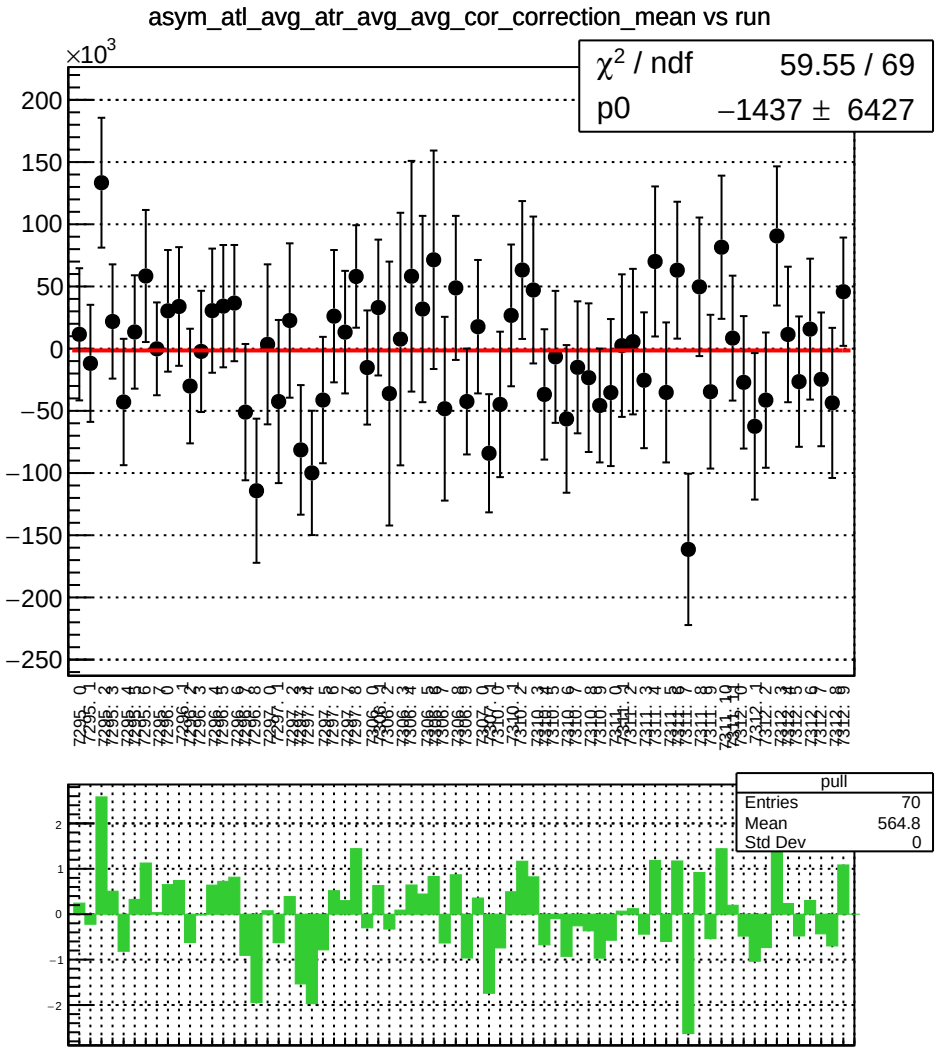

pull1D
Entries 70
Mean −0.003373
Std Dev 0.9223

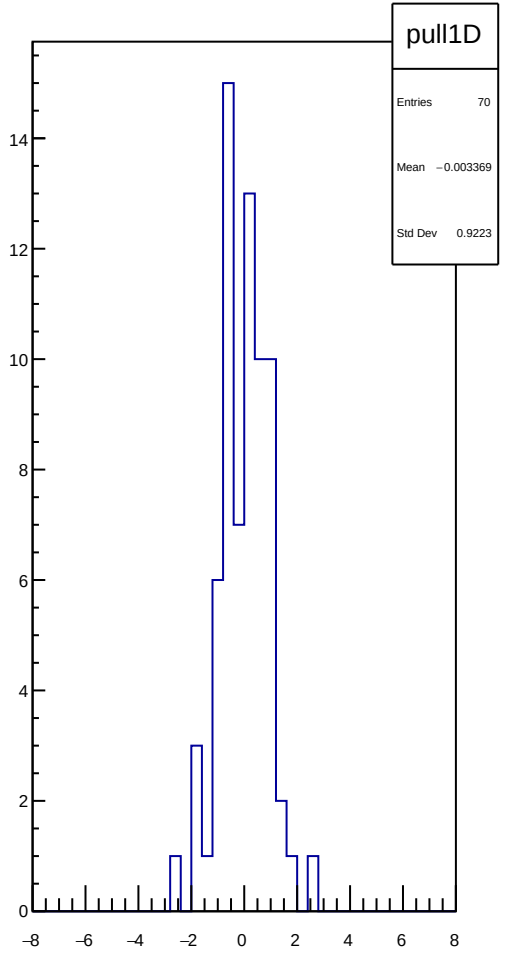

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.693e+04 / 69
p0 5166 ± 4.544
10000
9000
8000
7000
6000
5000
4000

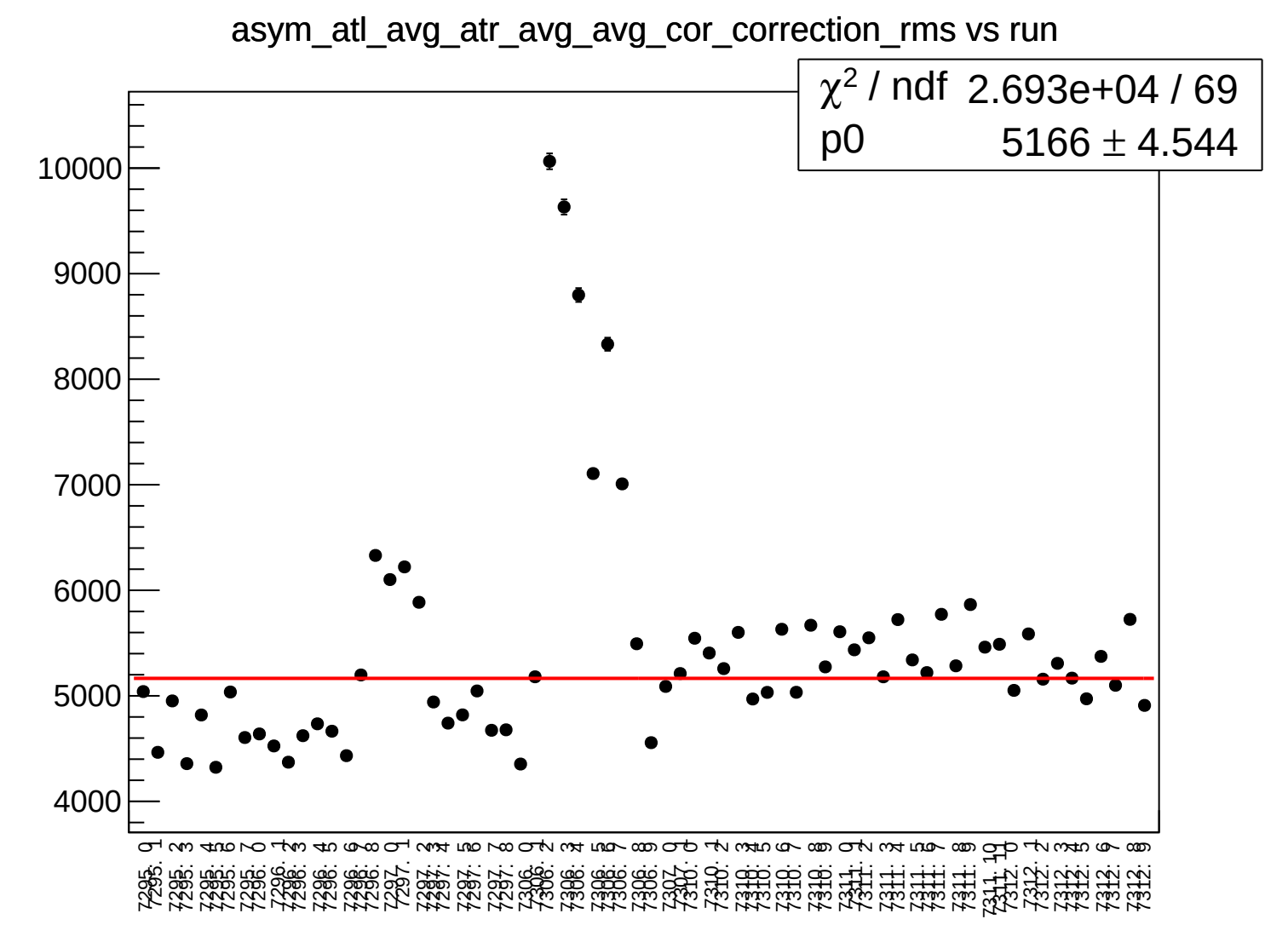

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.69 / 69
p0 −1285 ± 1533
pull
Entries 70
Mean −90.33
Std Dev 0

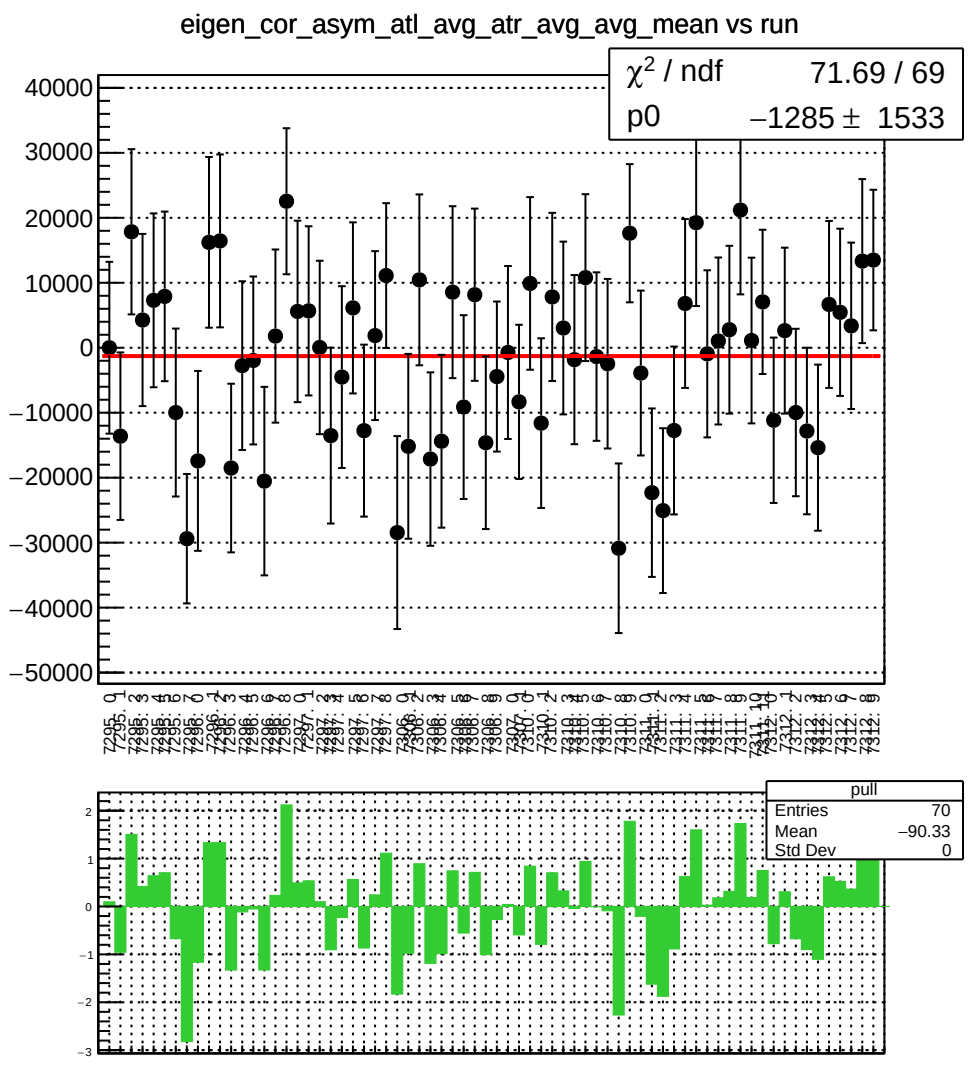

pull1D
Entries 70
Mean −0.01295
Std Dev 1.012

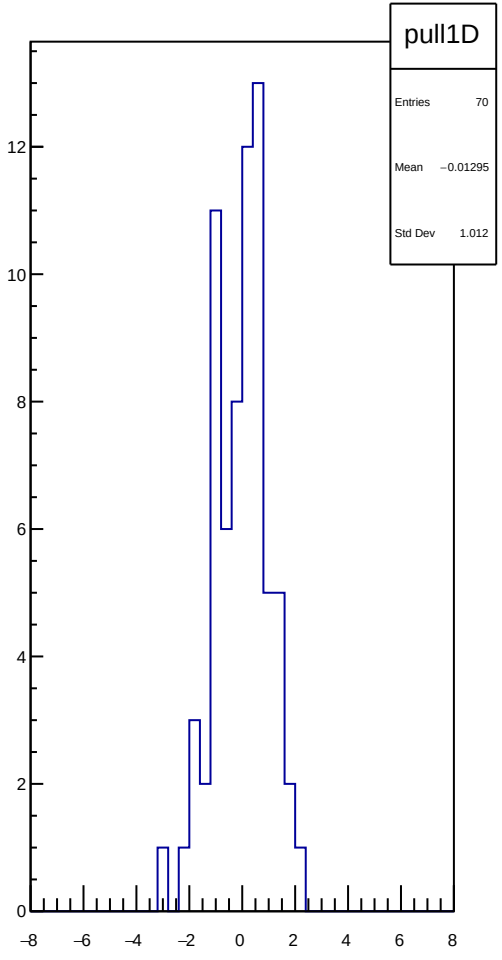

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1224 / 69
p0 1245 ± 1.084
1400
1350
1300
1250
1200

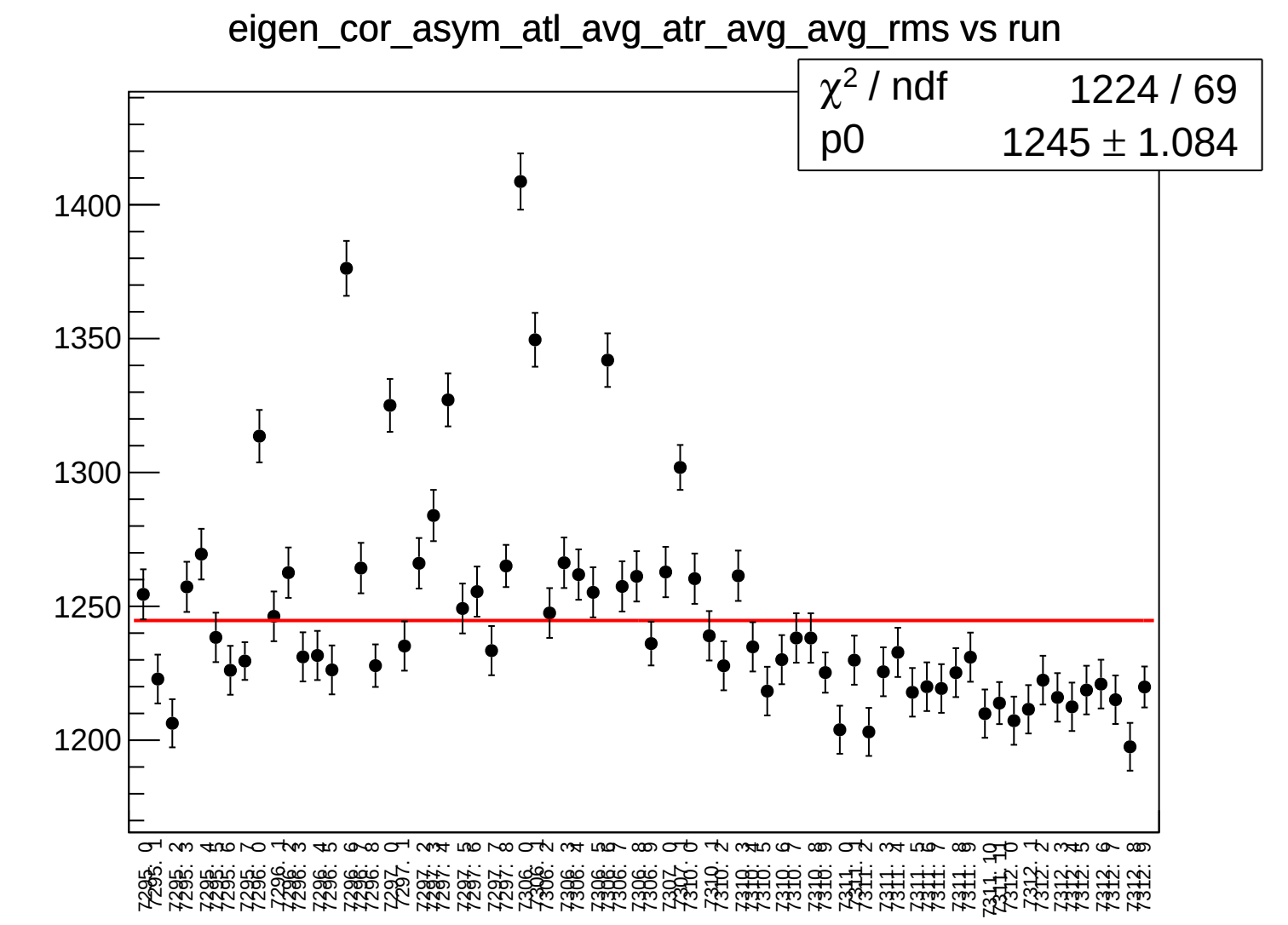

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.55 / 69
p0 −1437 ± 6427
pull
Entries 70
Mean 564.8
Std Dev 0

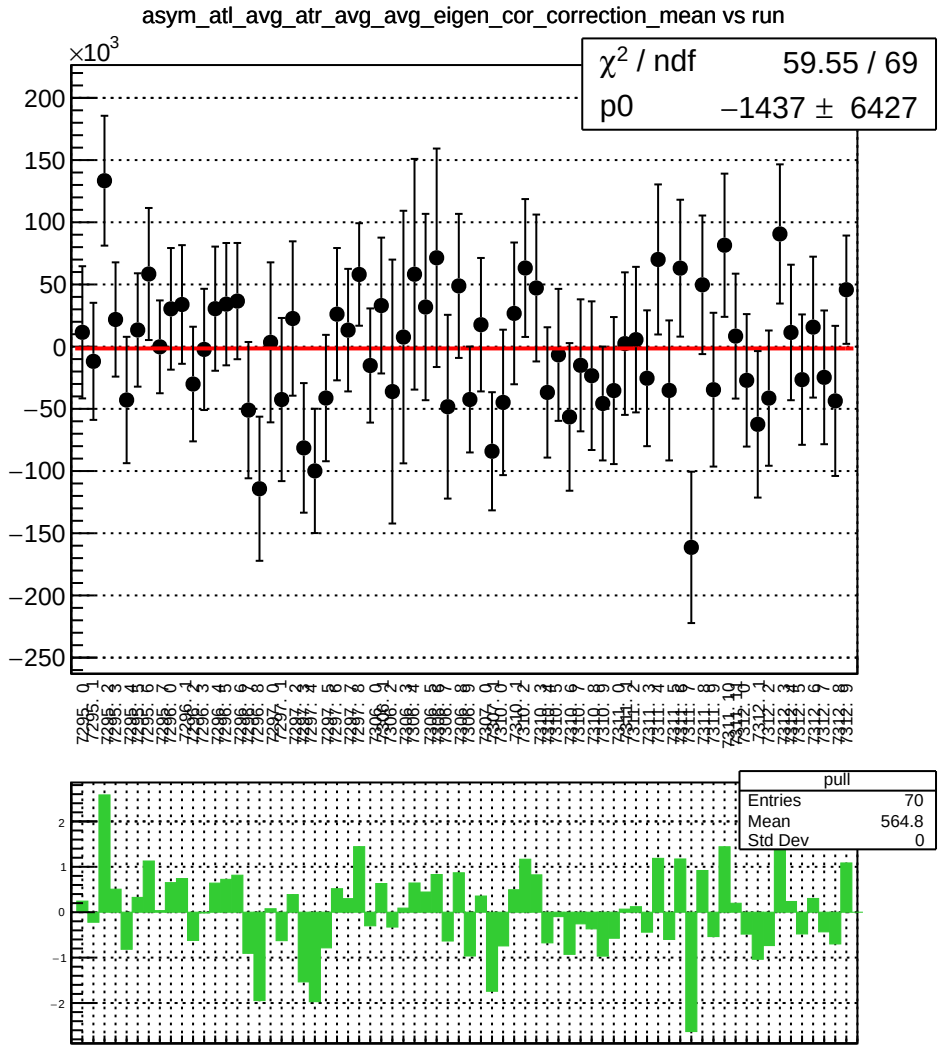

pull1D
Entries 70
Mean −0.003369
Std Dev 0.9223

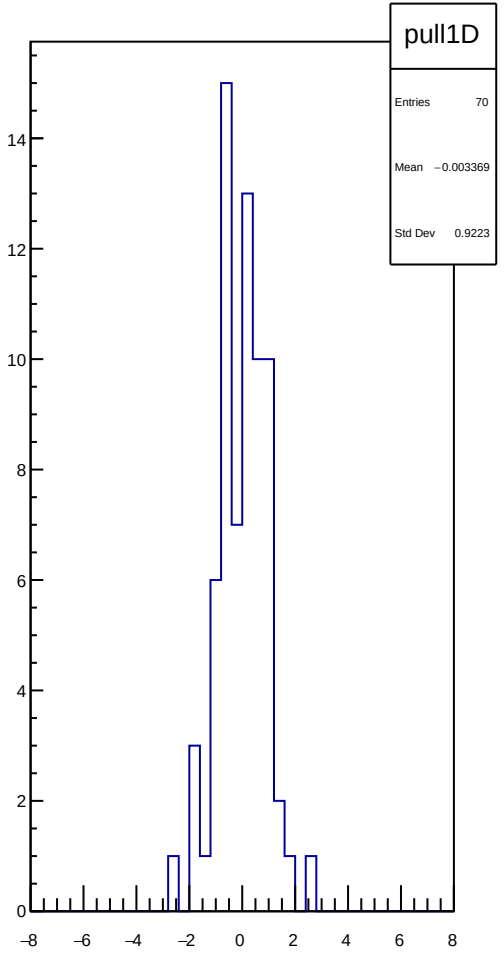

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.693e+04 / 69
p0 5166 ± 4.544
10000
9000
8000
7000
6000
5000
4000

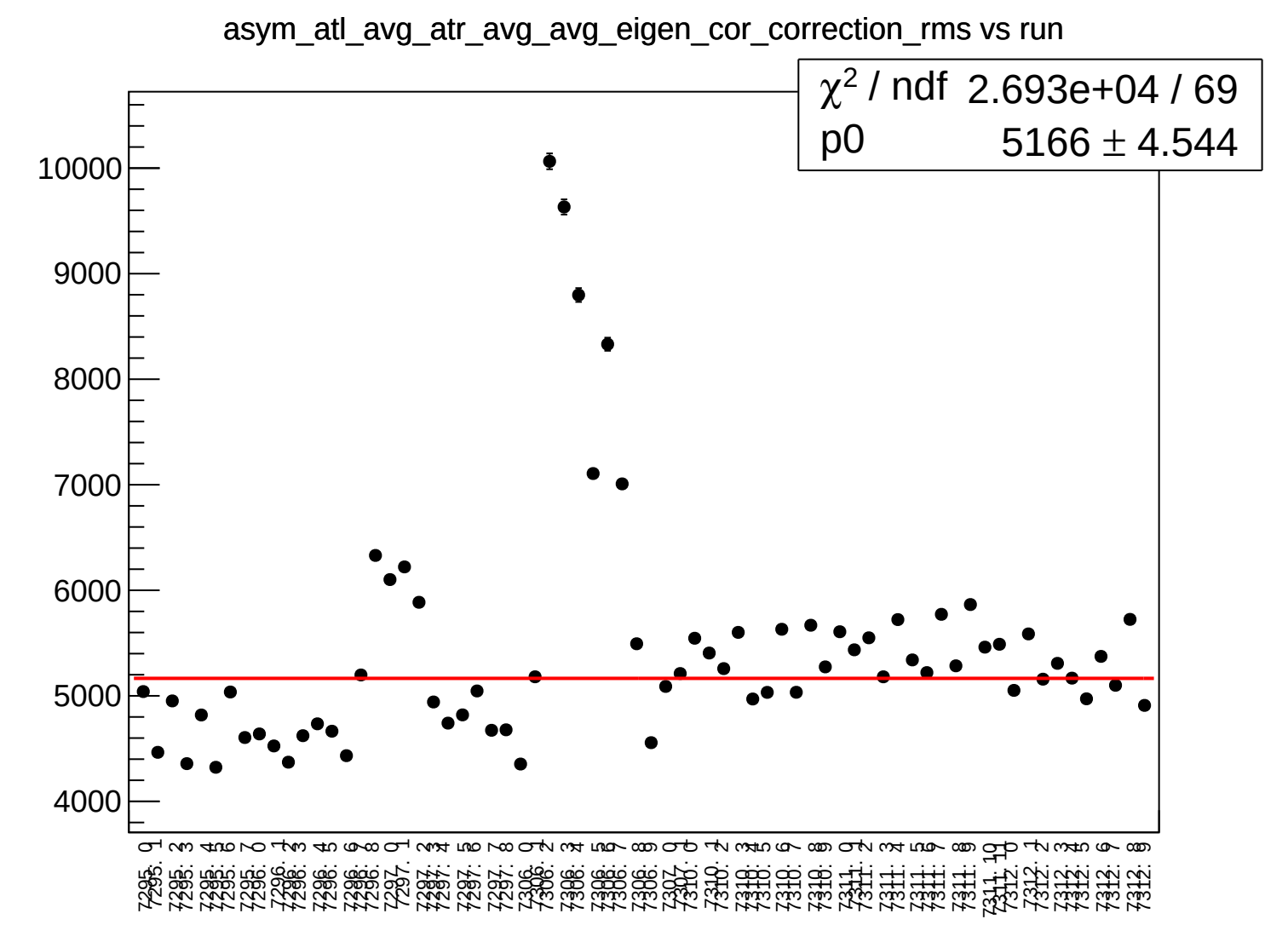

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.69 / 69
p0 −1285 ± 1533
pull
Entries 70
Mean −90.33
Std Dev 0

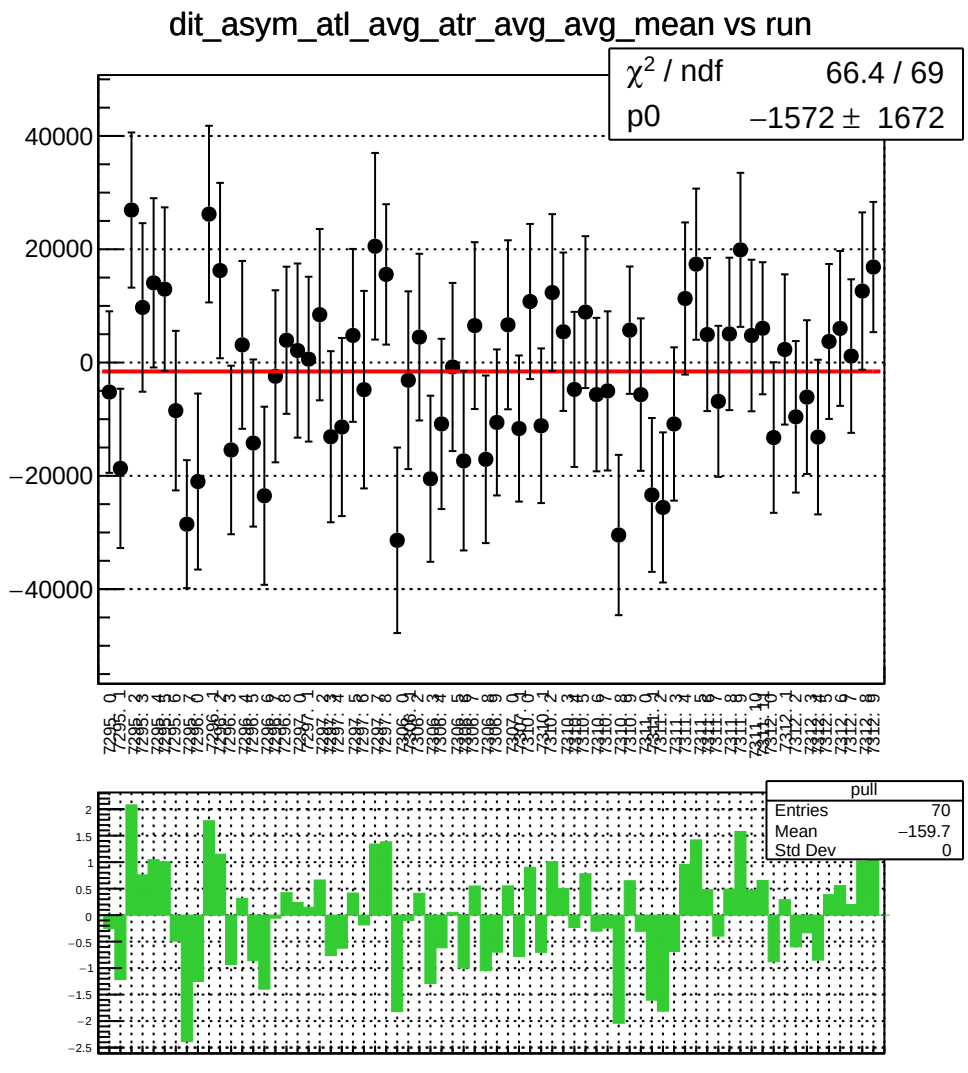

pull1D
Entries 70
Mean −0.01295
Std Dev 1.012

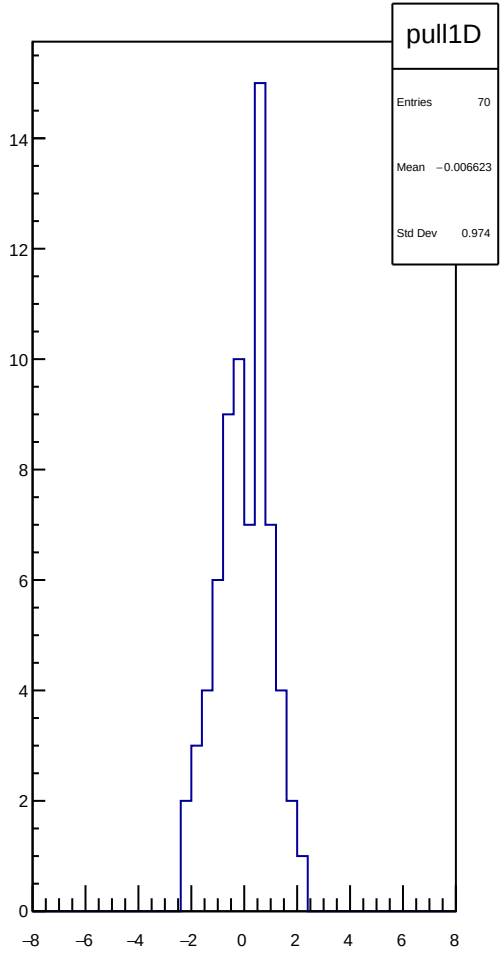

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1224 / 69
p0 1245 ± 1.084
1400
1350
1300
1250
1200

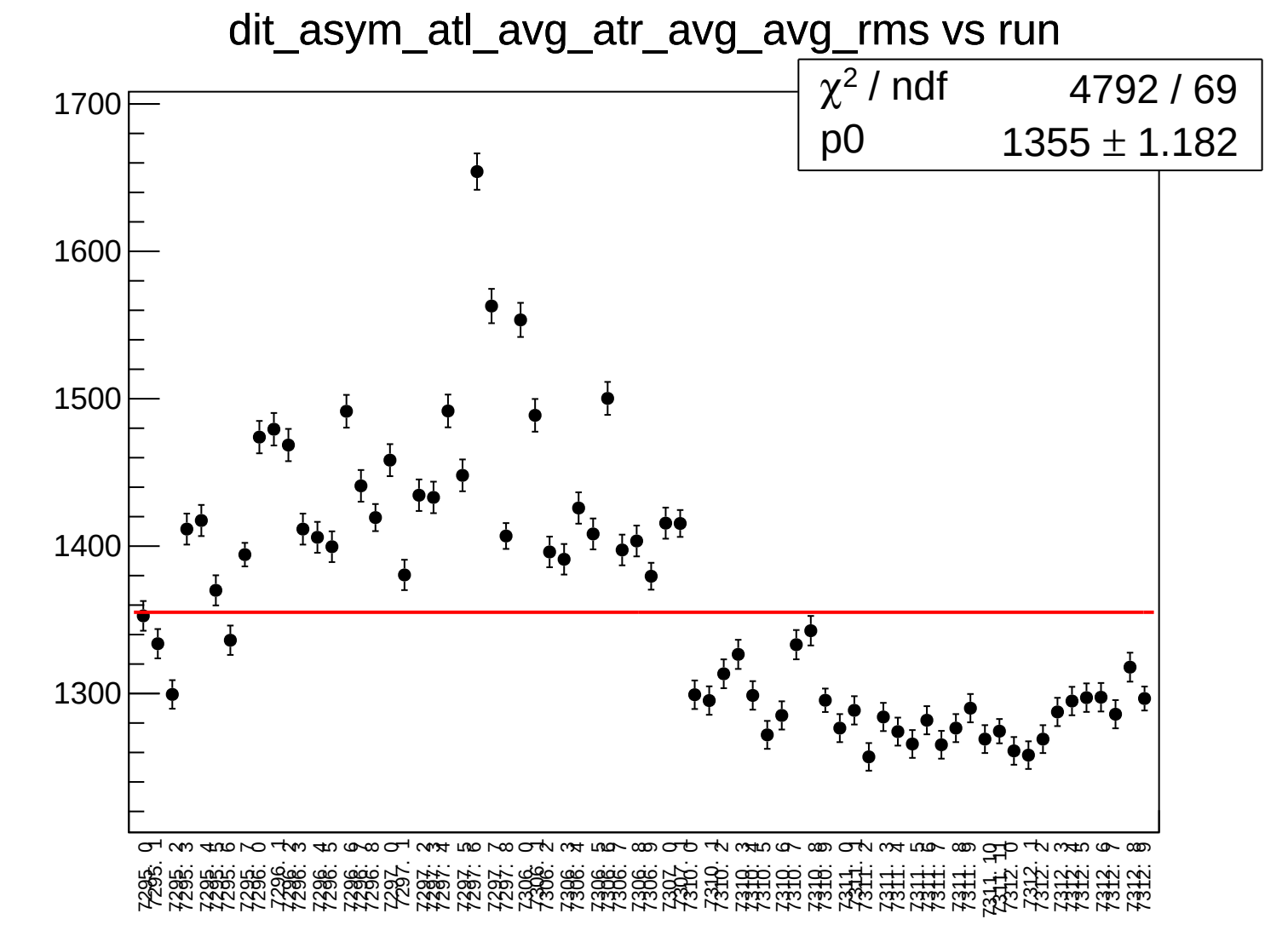

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.55 / 69
p0 −1437 ± 6427
pull
Entries 70
Mean 564.8
Std Dev 0

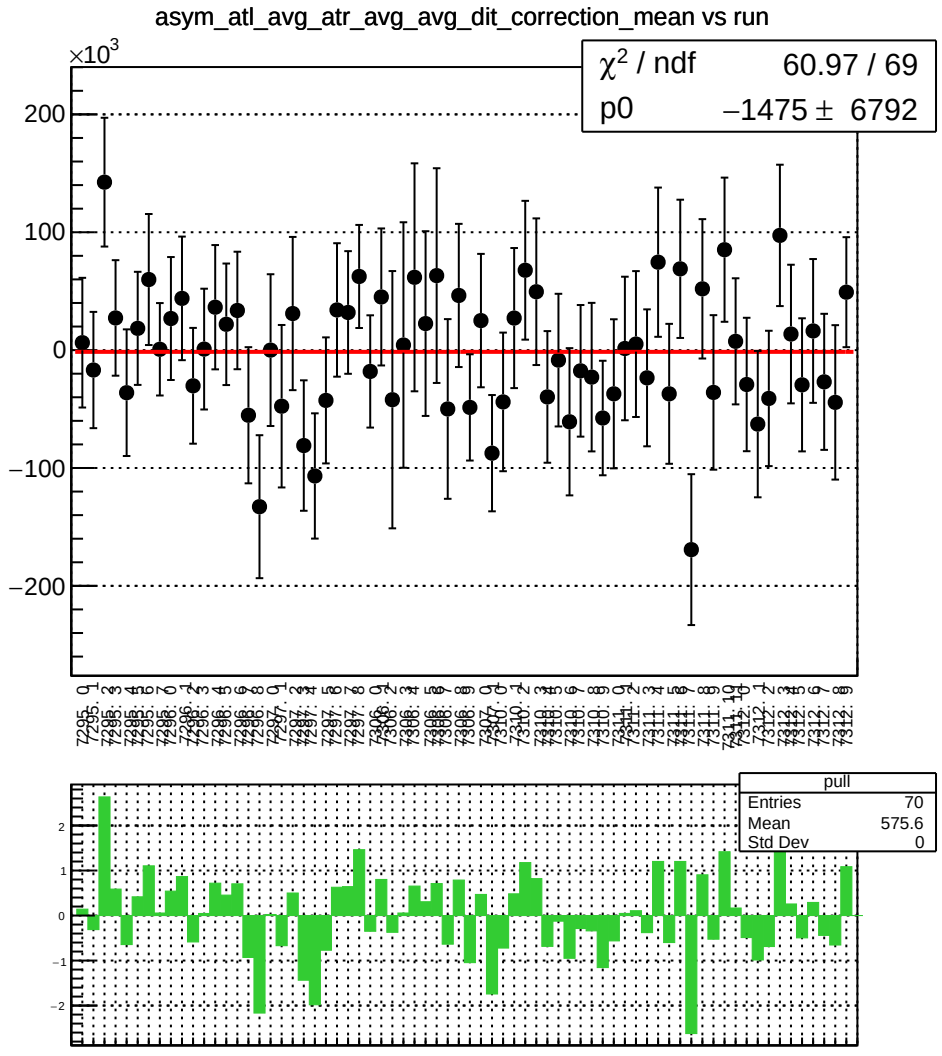

pull1D
Entries 70
Mean −0.003369
Std Dev 0.9223

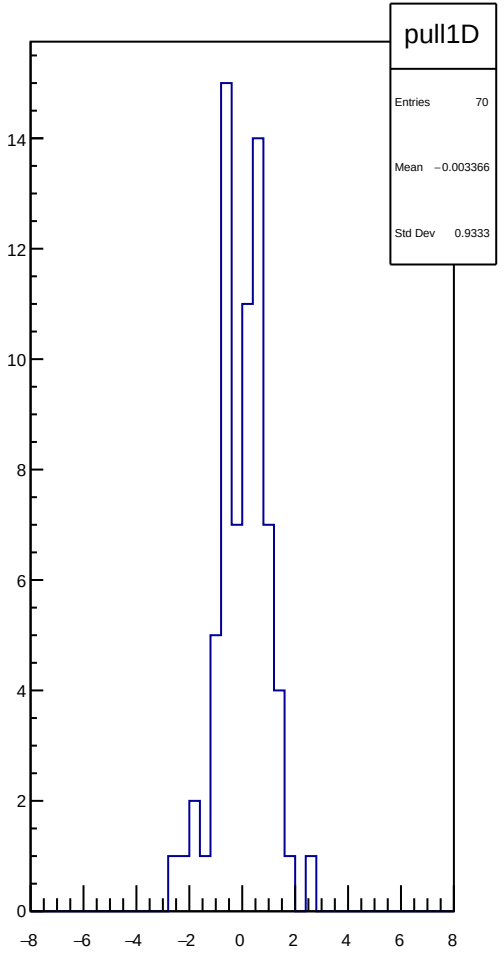

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.693e+04 / 69
p0 5166 ± 4.544
10000
9000
8000
7000
6000
5000
4000

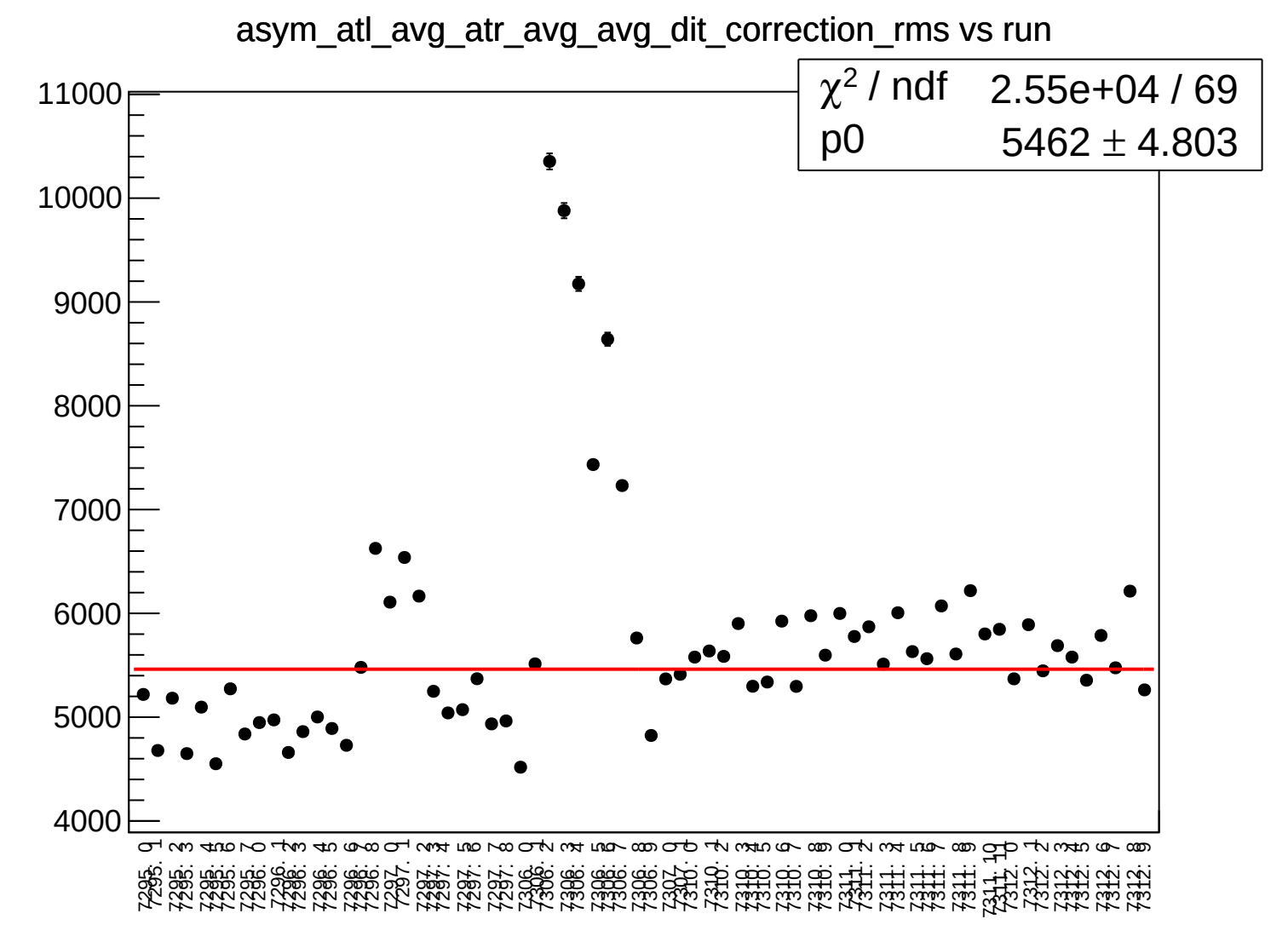

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 66.4 / 69
p0 −1572 ± 1672
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −159.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

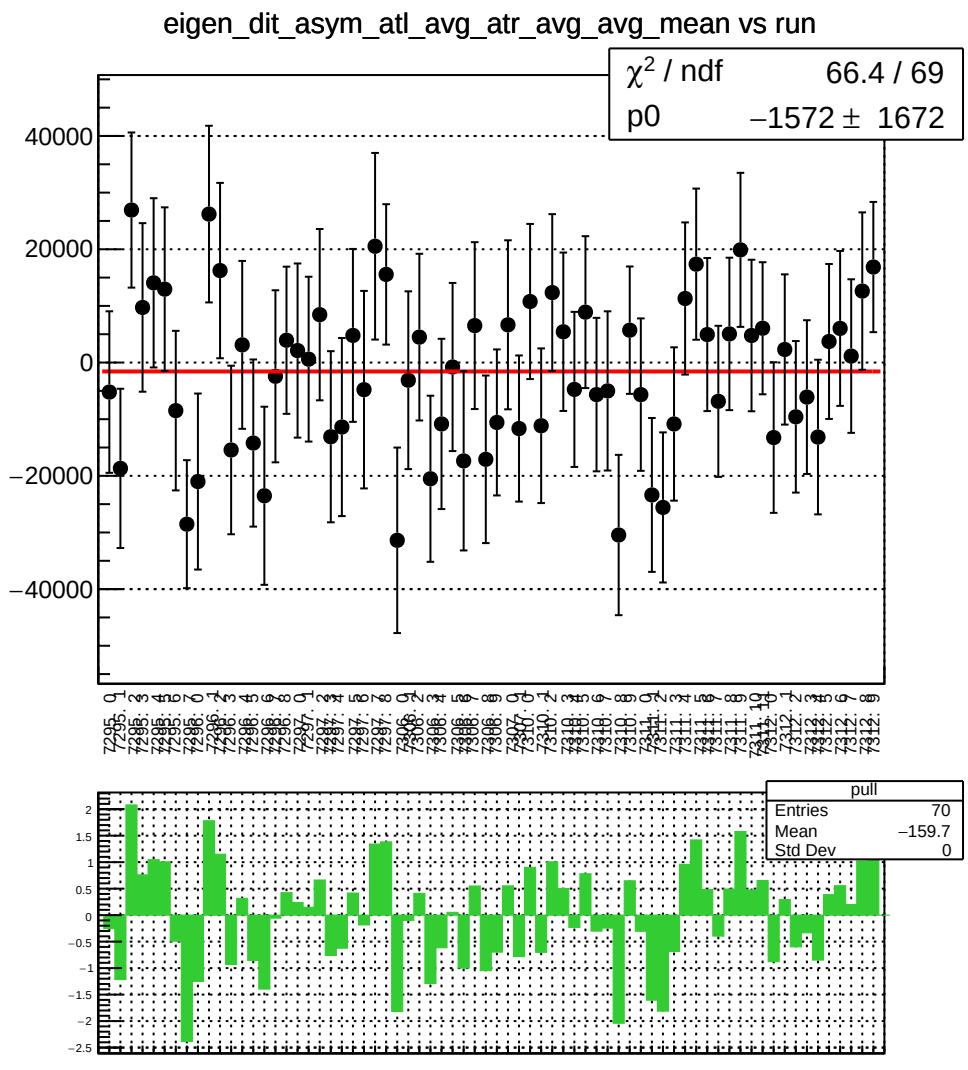

pull1D
Entries 70
Mean −0.006623
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

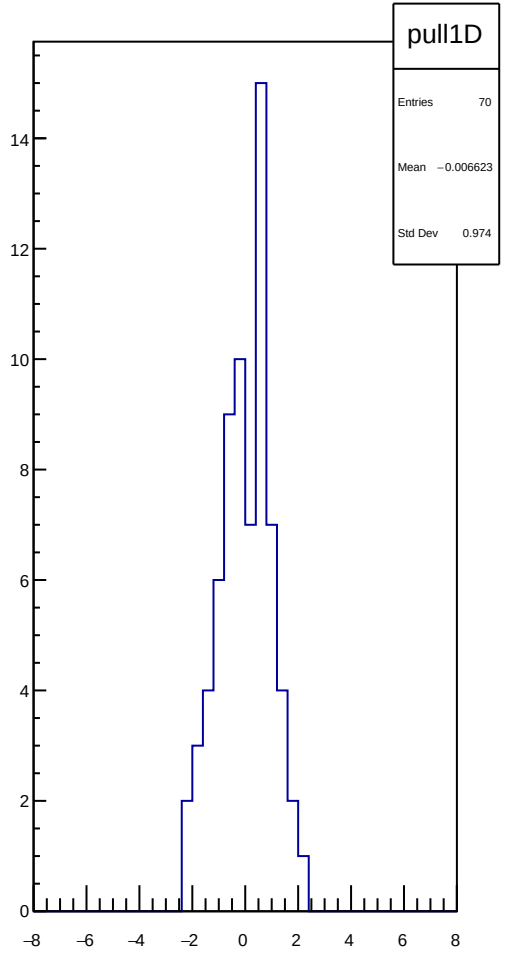

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4792 / 69
p0 1355 ± 1.182
1700
1600
1500
1400
1300

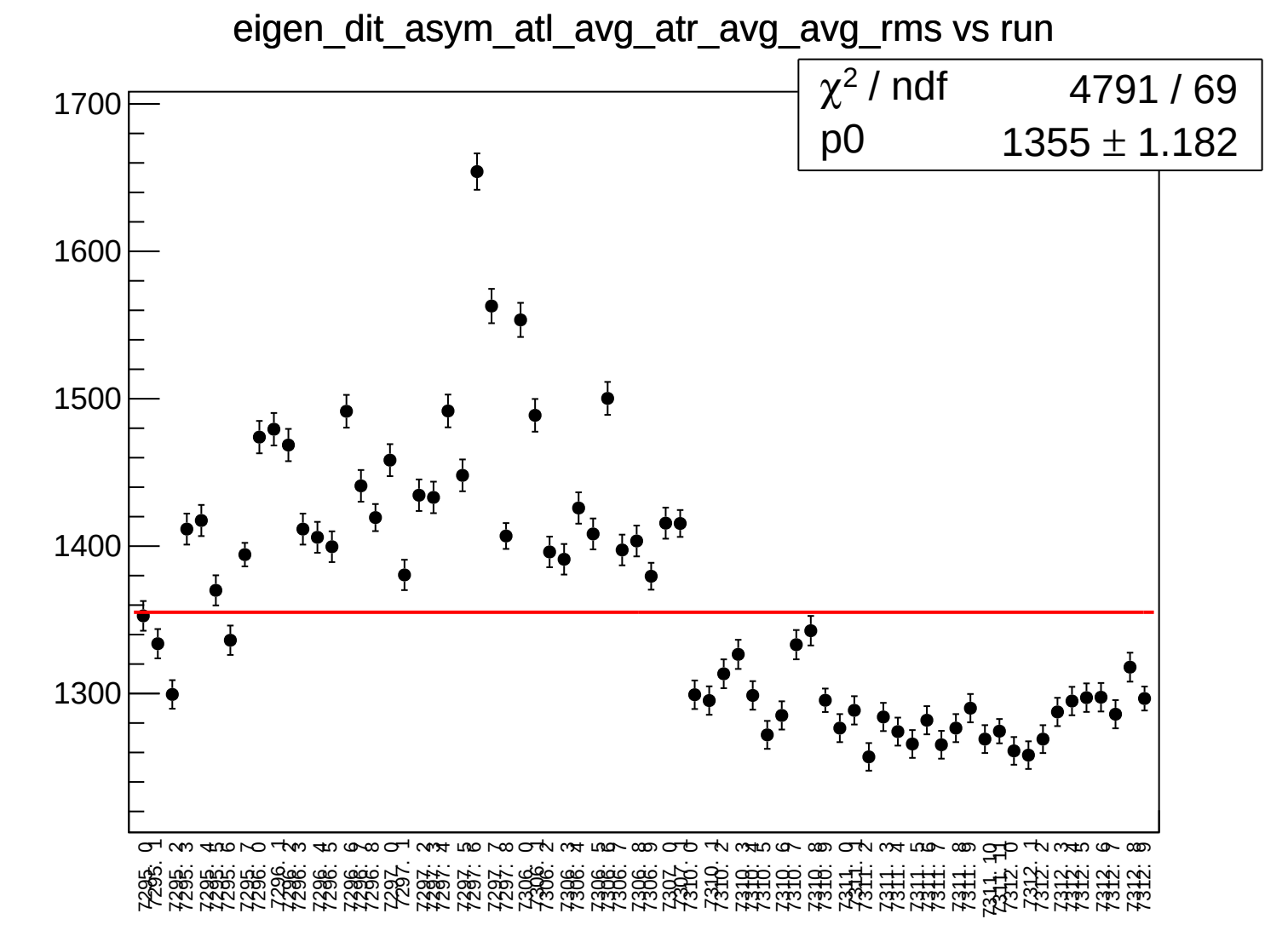

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.97 / 69
p0 −1475 ± 6792
200
100
0
−100
−200
pull
Entries 70
Mean 575.6
Std Dev 0
2
1
0
−1
−2

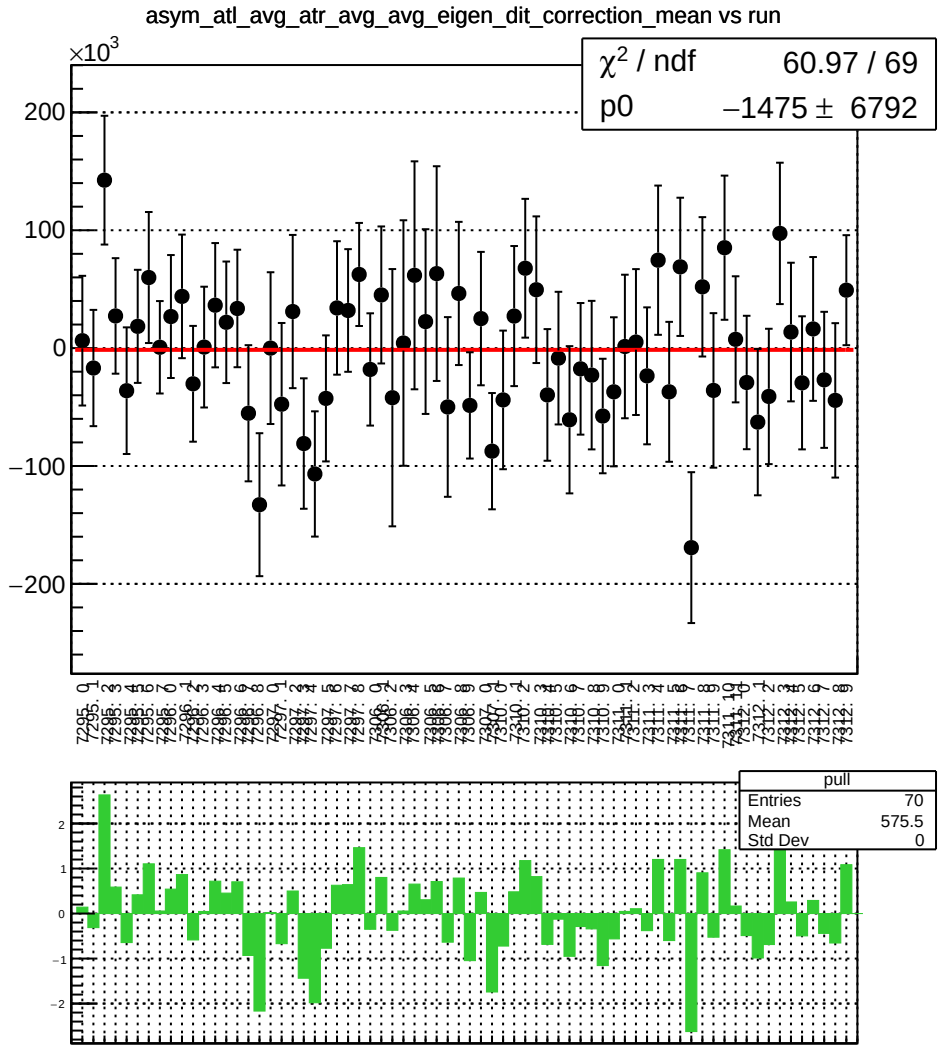

pull1D
Entries 70
Mean −0.003366
Std Dev 0.9333
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

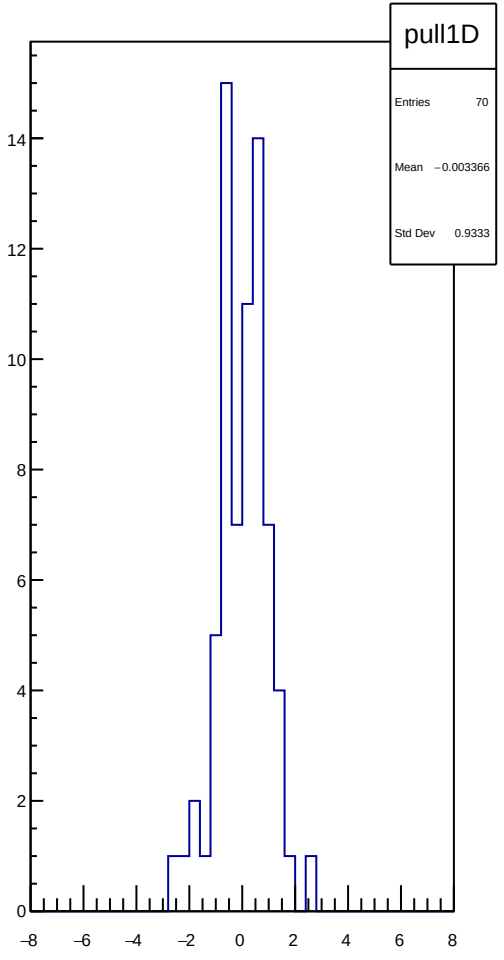

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 5462 ± 4.803
11000
10000
9000
8000
7000
6000
5000
4000

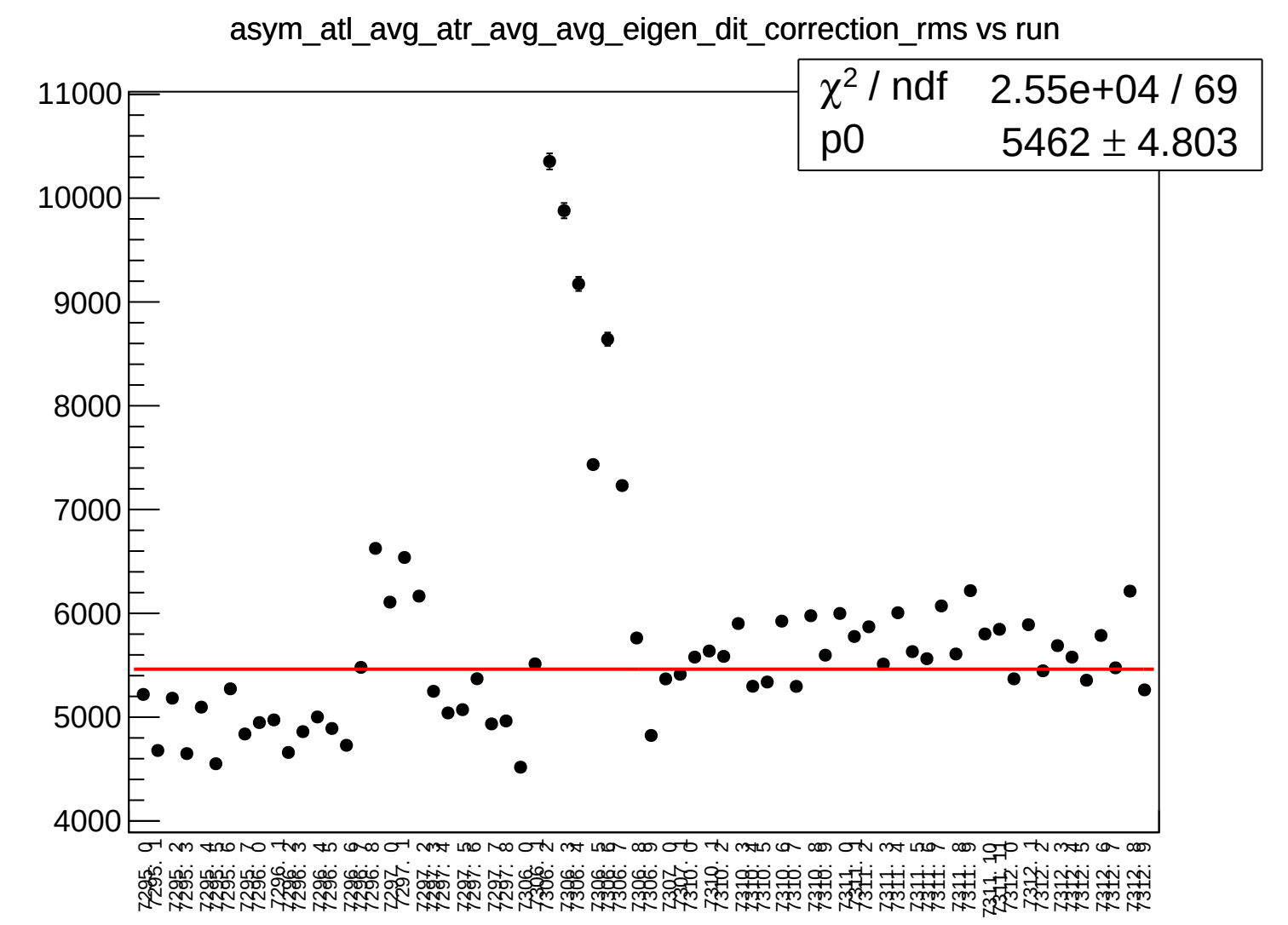

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 66.4 / 69
p0 −1572 ± 1672
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −159.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

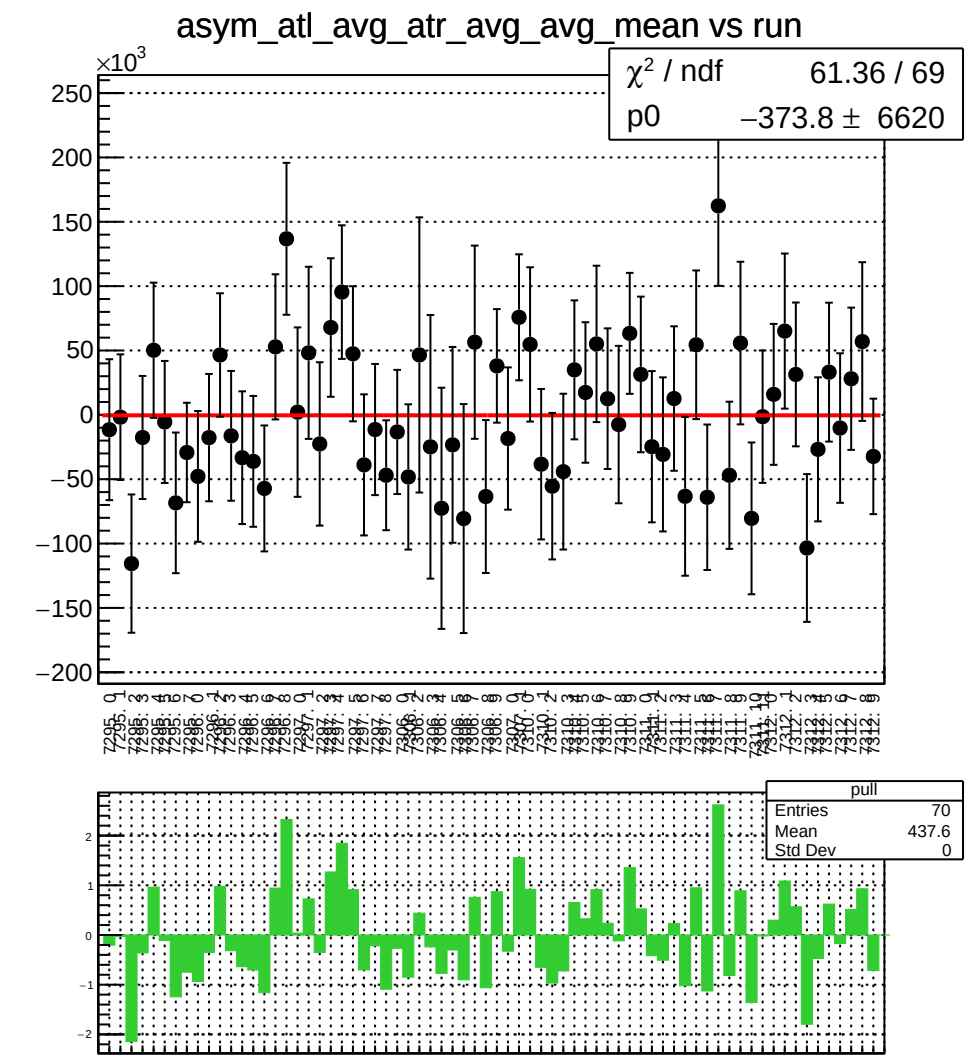

pull1D
Entries 70
Mean −0.006623
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

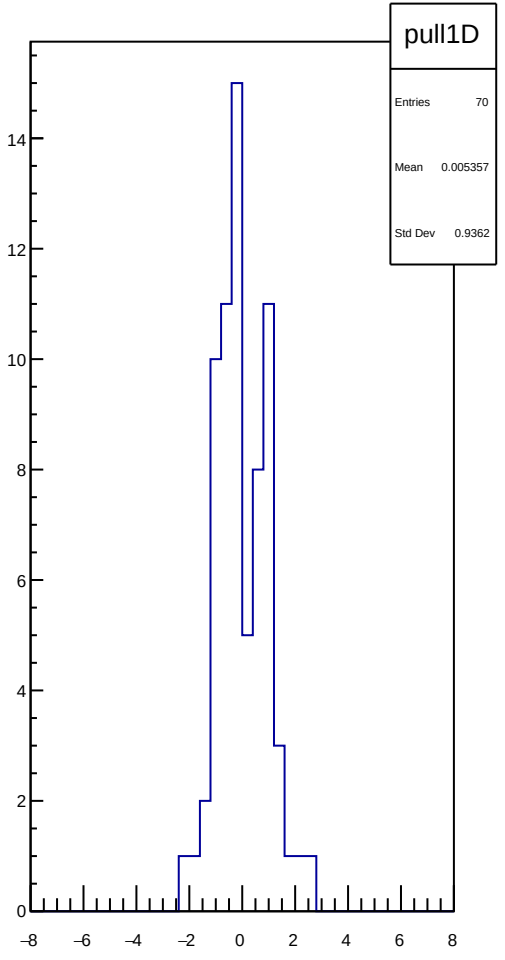

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4791 / 69
p0 1355 ± 1.182
1700
1600
1500
1400
1300

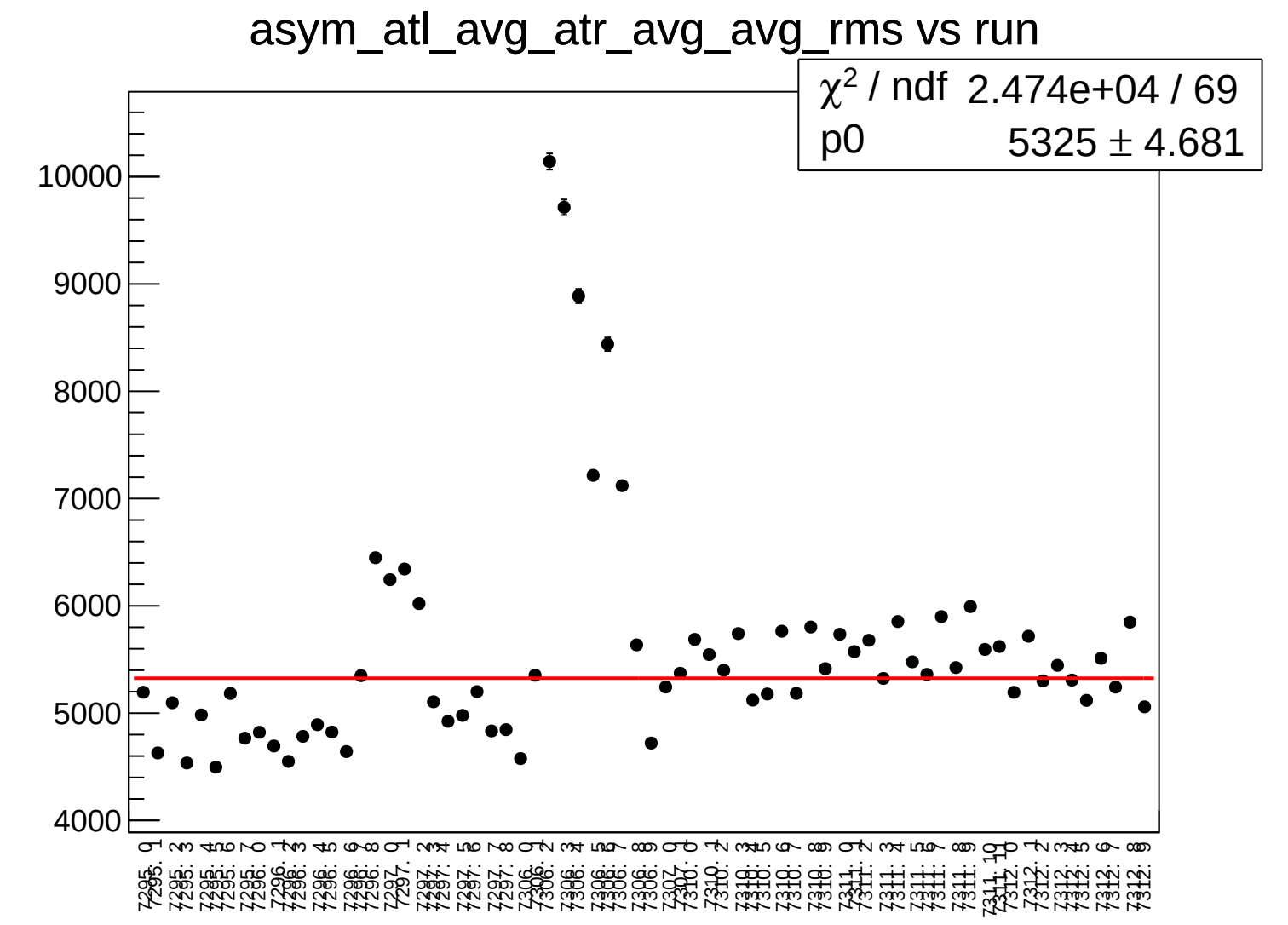

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.97 / 69
p0 −1475 ± 6792
pull
Entries 70
Mean 575.5
Std Dev 0

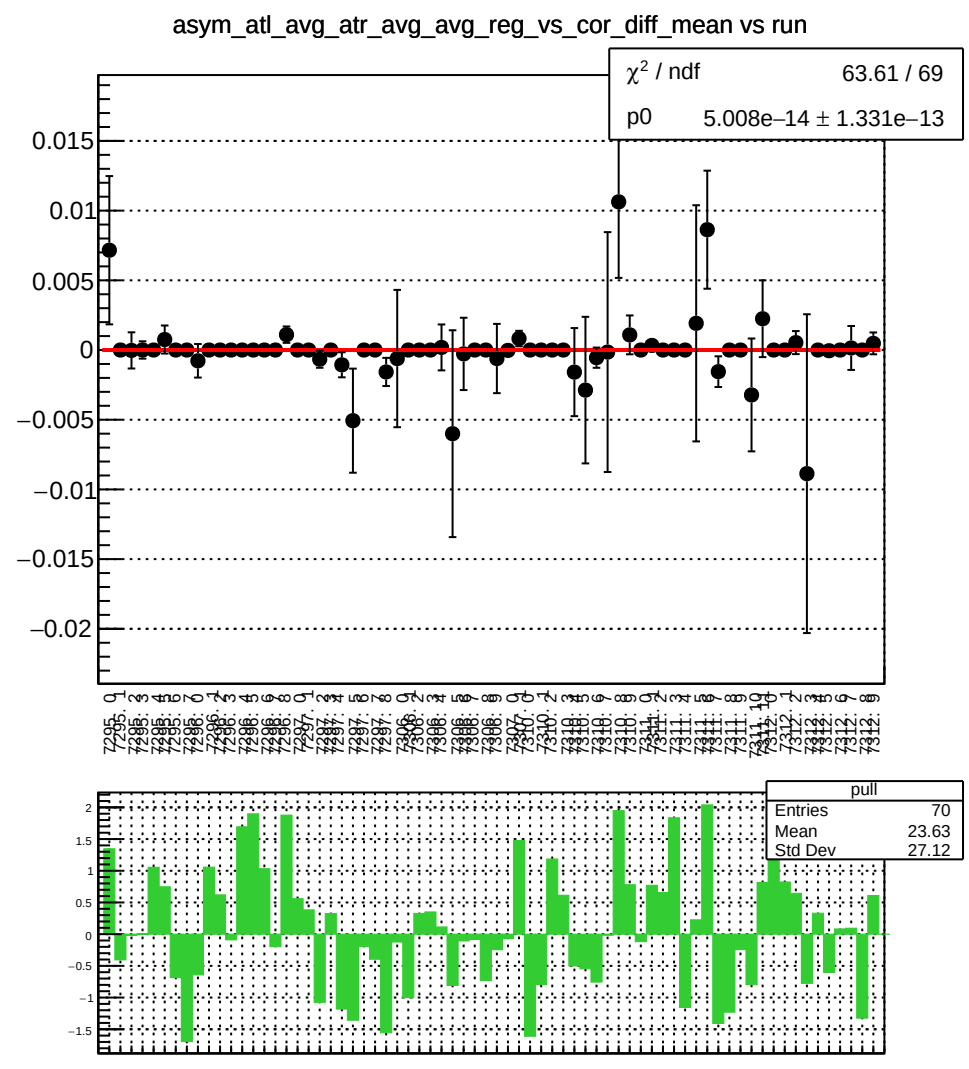

pull1D
Entries 70
Mean −0.003366
Std Dev 0.9333

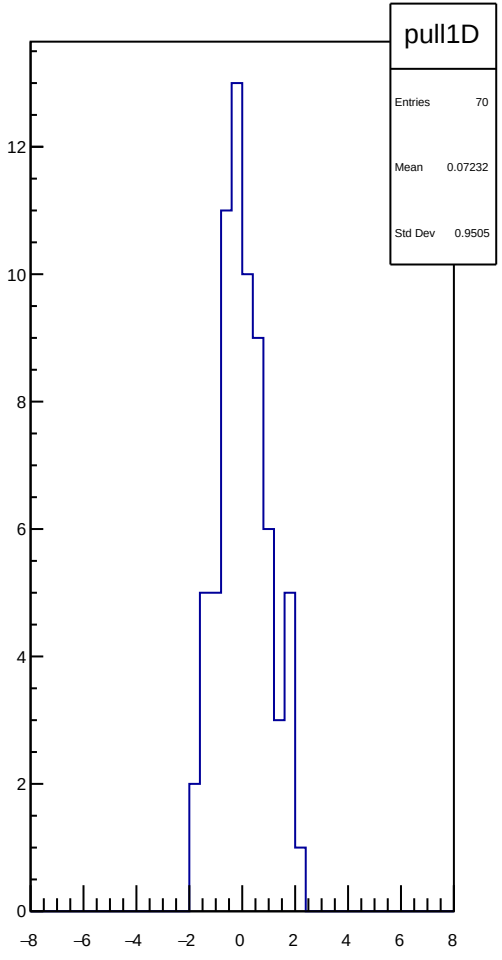

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 5462 ± 4.803
11000
10000
9000
8000
7000
6000
5000
4000

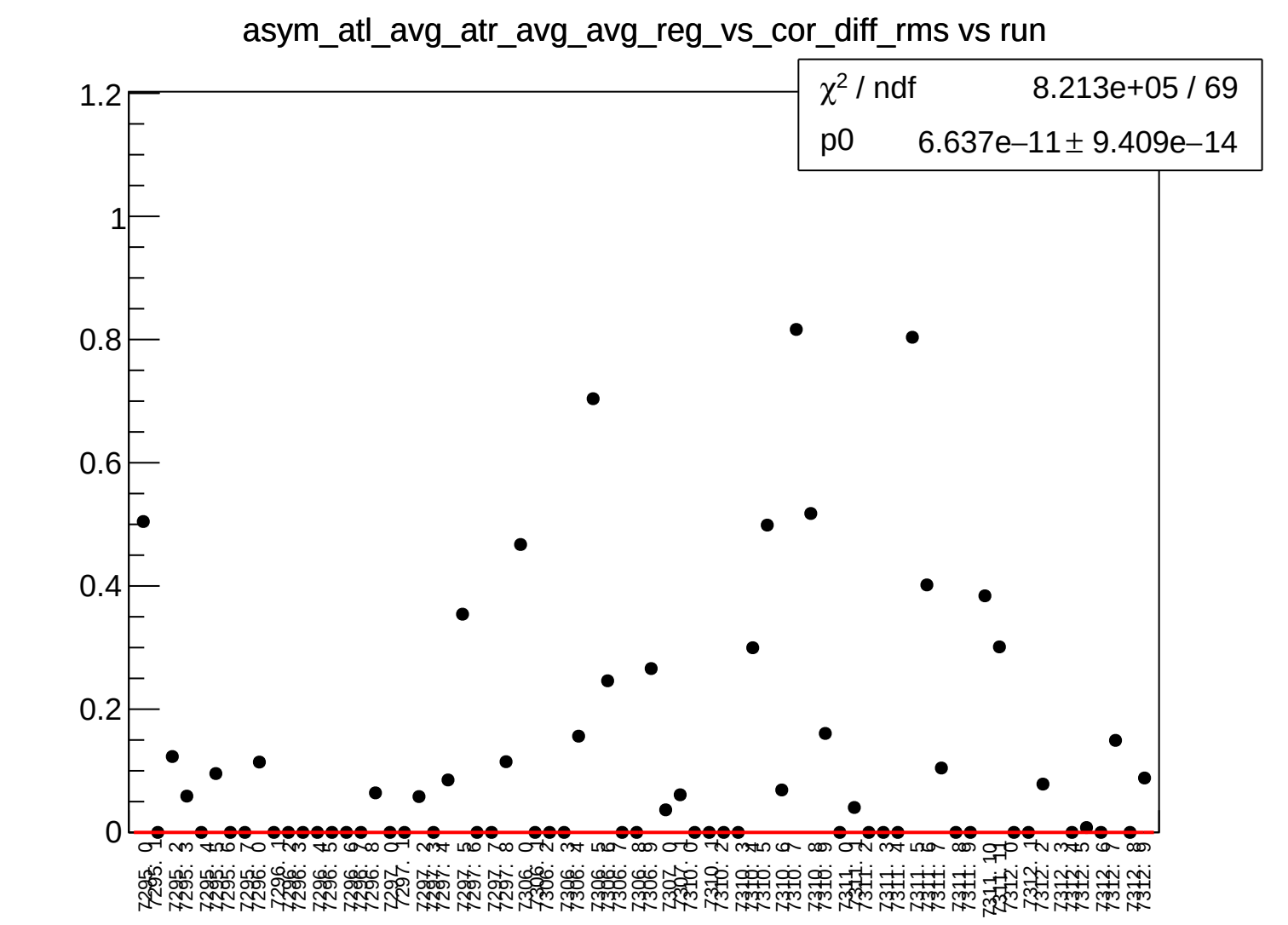

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 61.36 / 69
p0 −373.8 ± 6620
pull
Entries 70
Mean 437.6
Std Dev 0

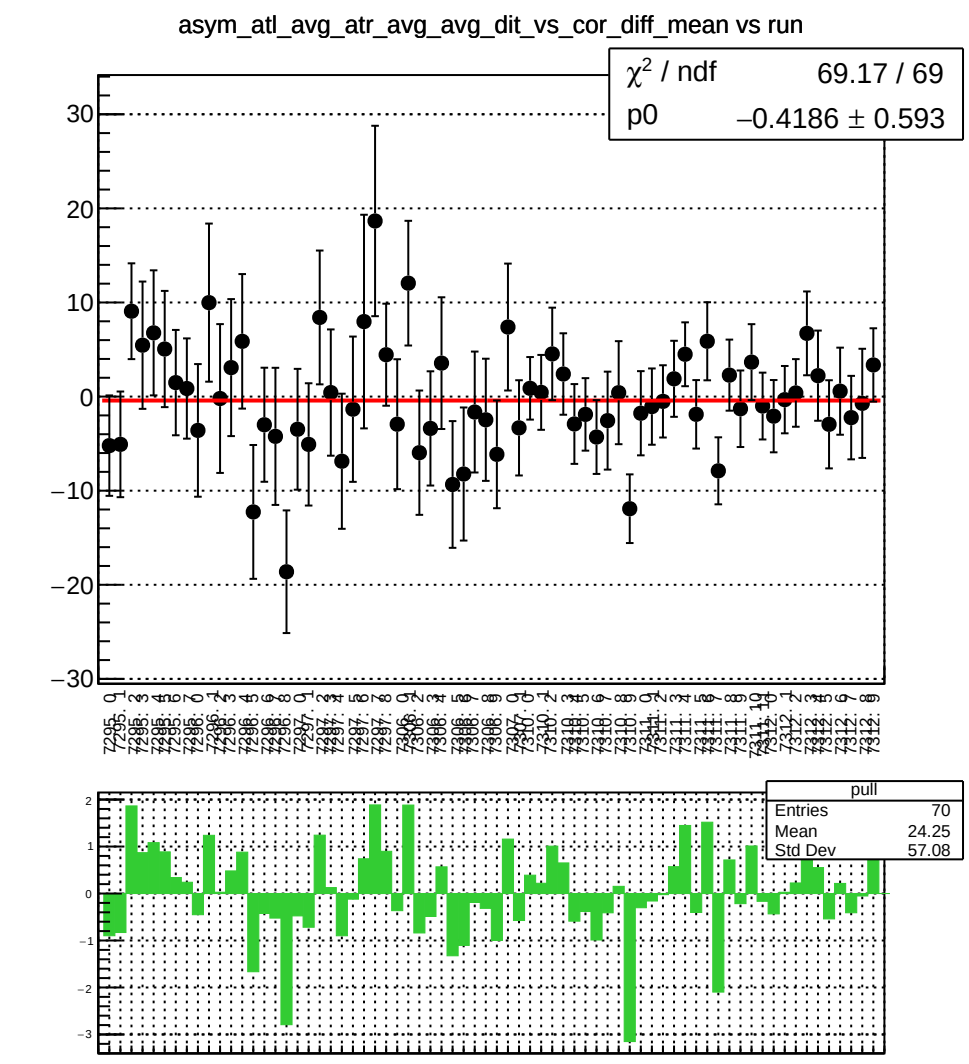

pull1D
Entries 70
Mean 0.005357
Std Dev 0.9362

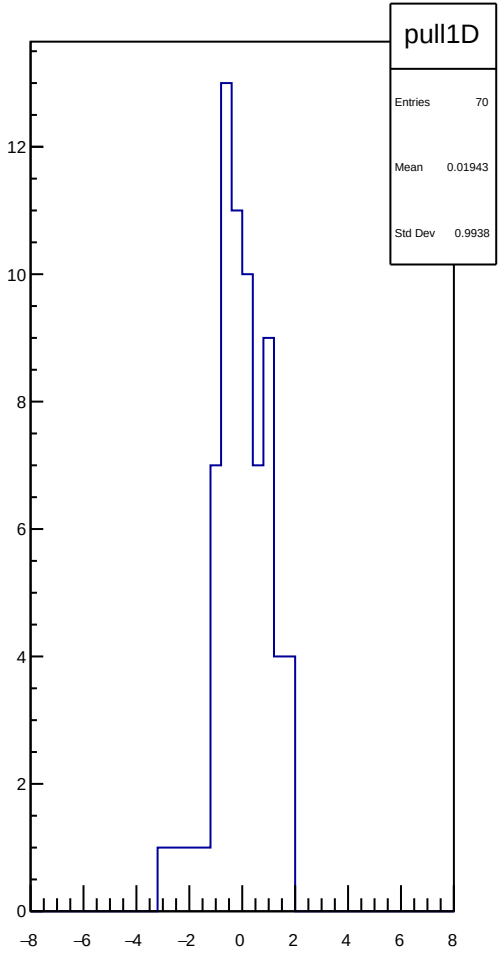

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2.474e+04 / 69
p0 5325 ± 4.681
10000
9000
8000
7000
6000
5000
4000

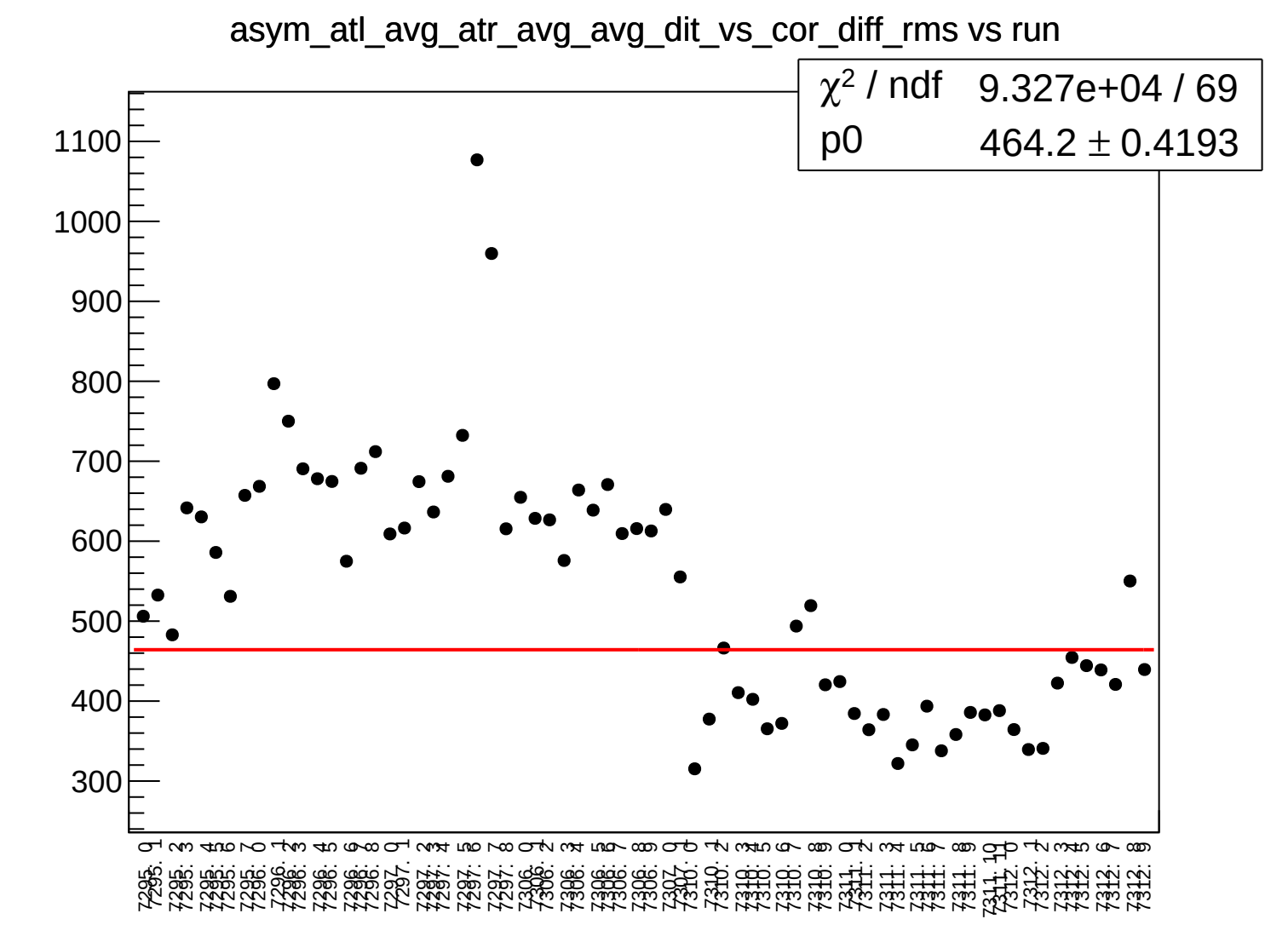

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.61 / 69
p0 5.008e−14 ± 1.331e−13
pull
Entries 70
Mean 23.63
Std Dev 27.12

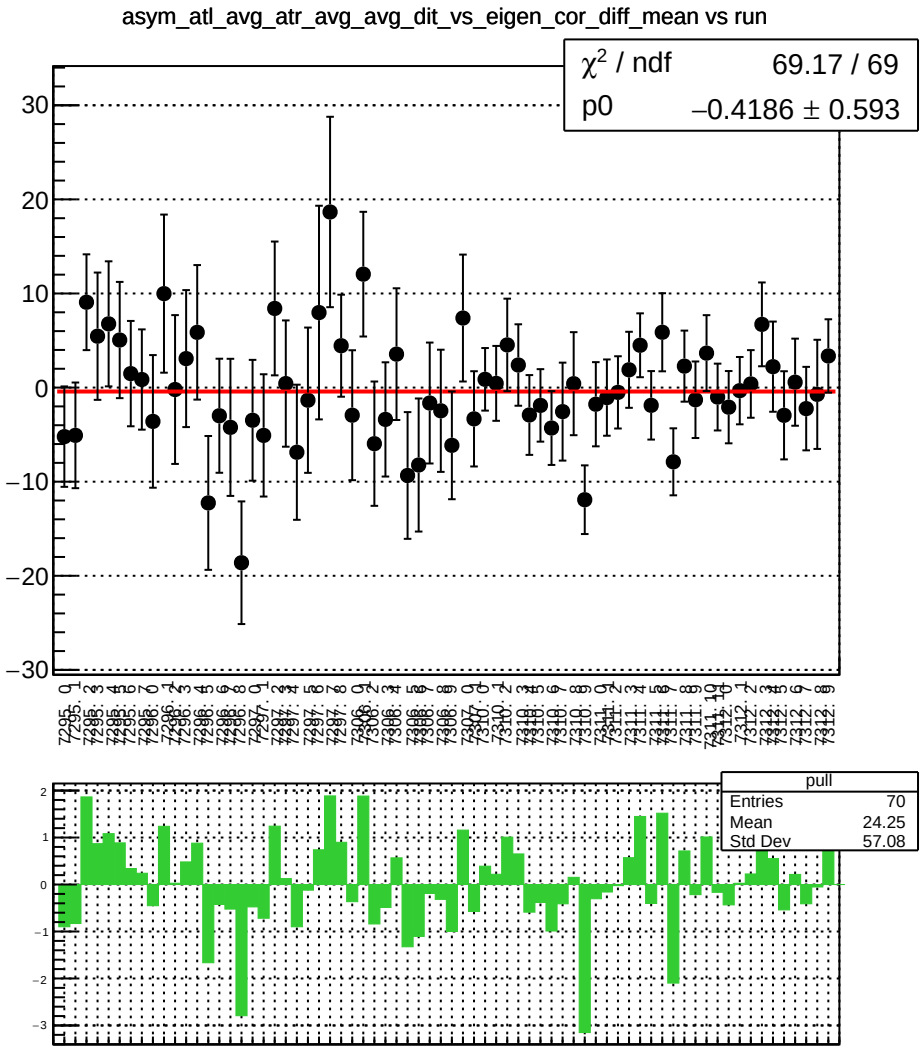

pull1D
Entries 70
Mean 0.07232
Std Dev 0.9505

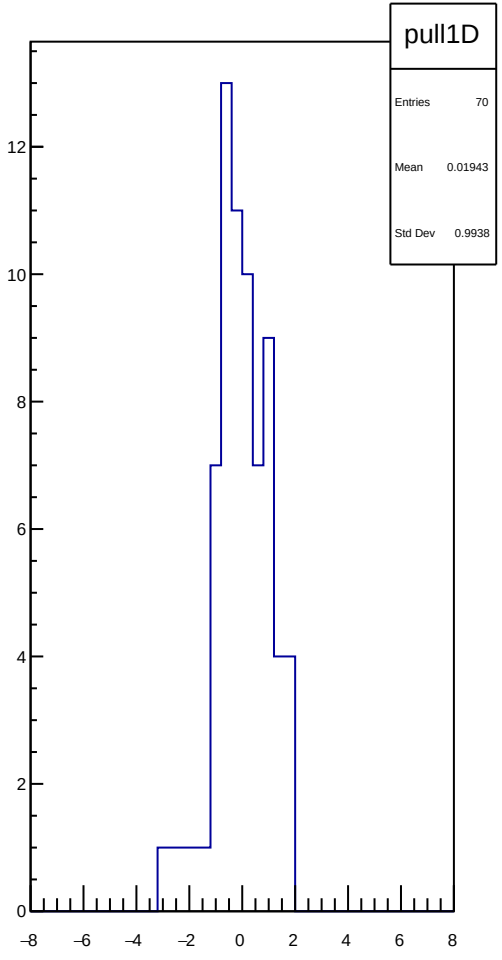

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.213e+05 / 69
p0 6.637e−11 ± 9.409e−14
1.2
1
0.8
0.6
0.4
0.2
0

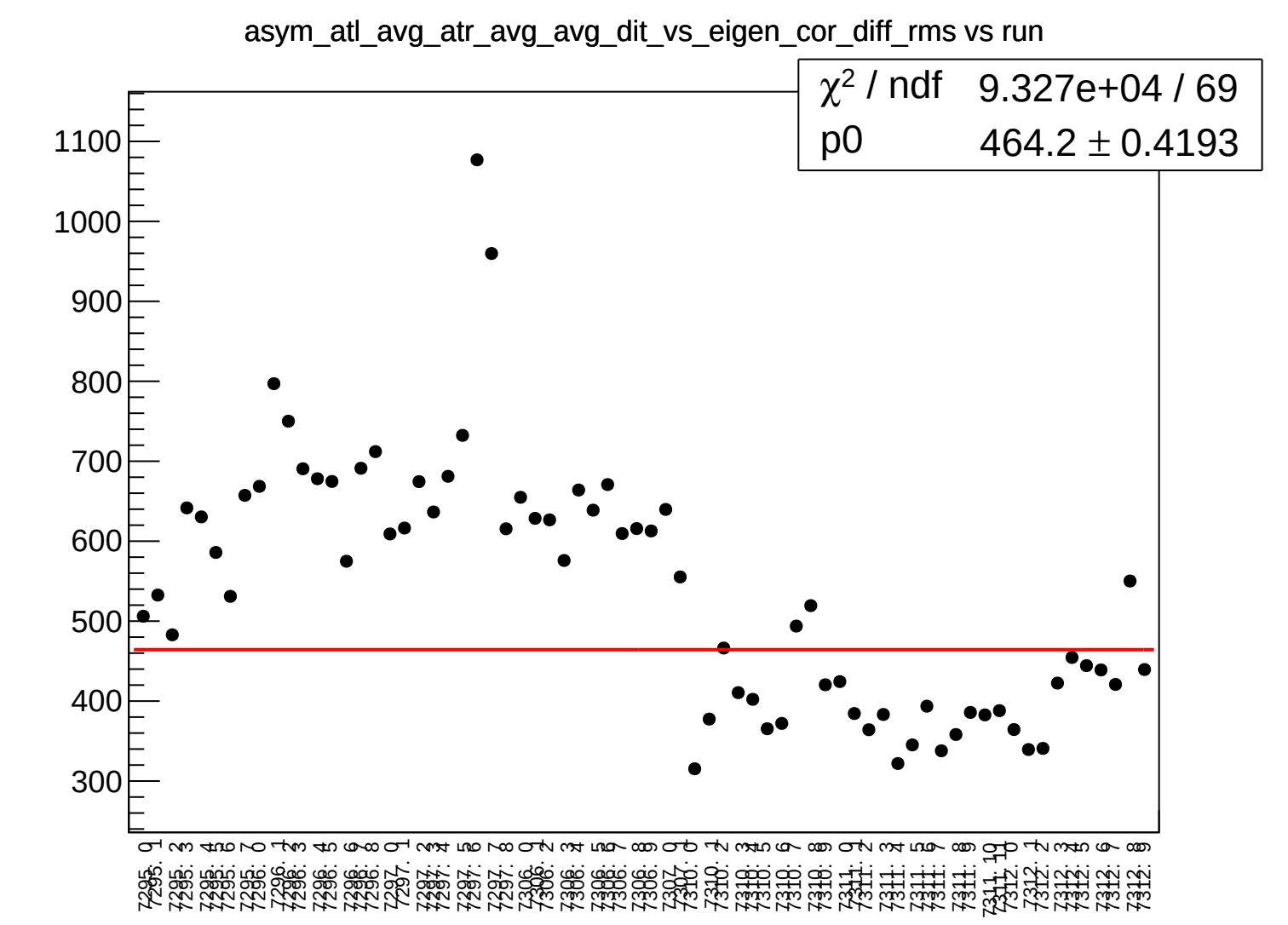

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.17 / 69
p0 −0.4186 ± 0.593
pull
Entries 70
Mean 24.25
Std Dev 57.08

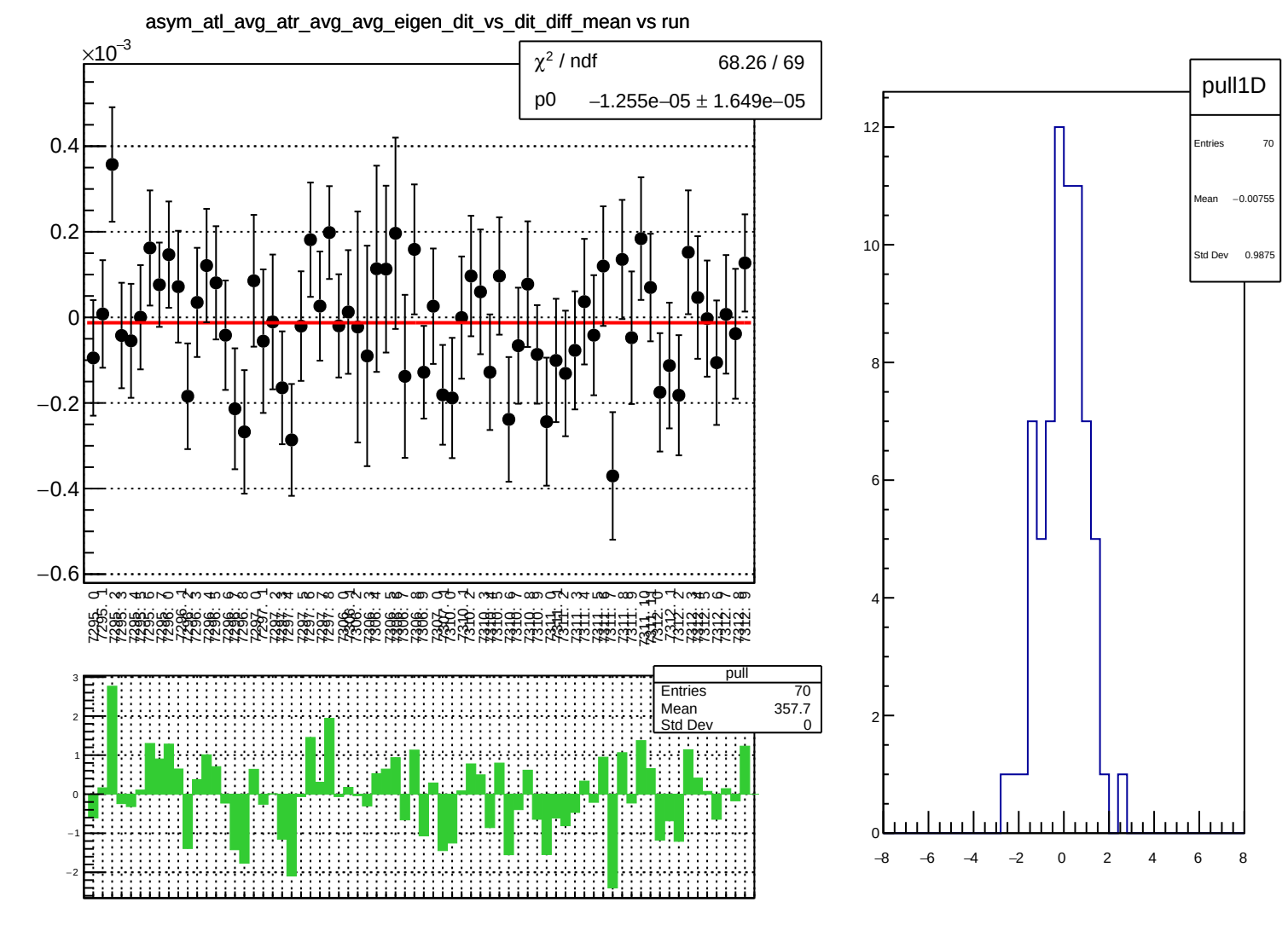

pull1D
Entries 70
Mean 0.01943
Std Dev 0.9938

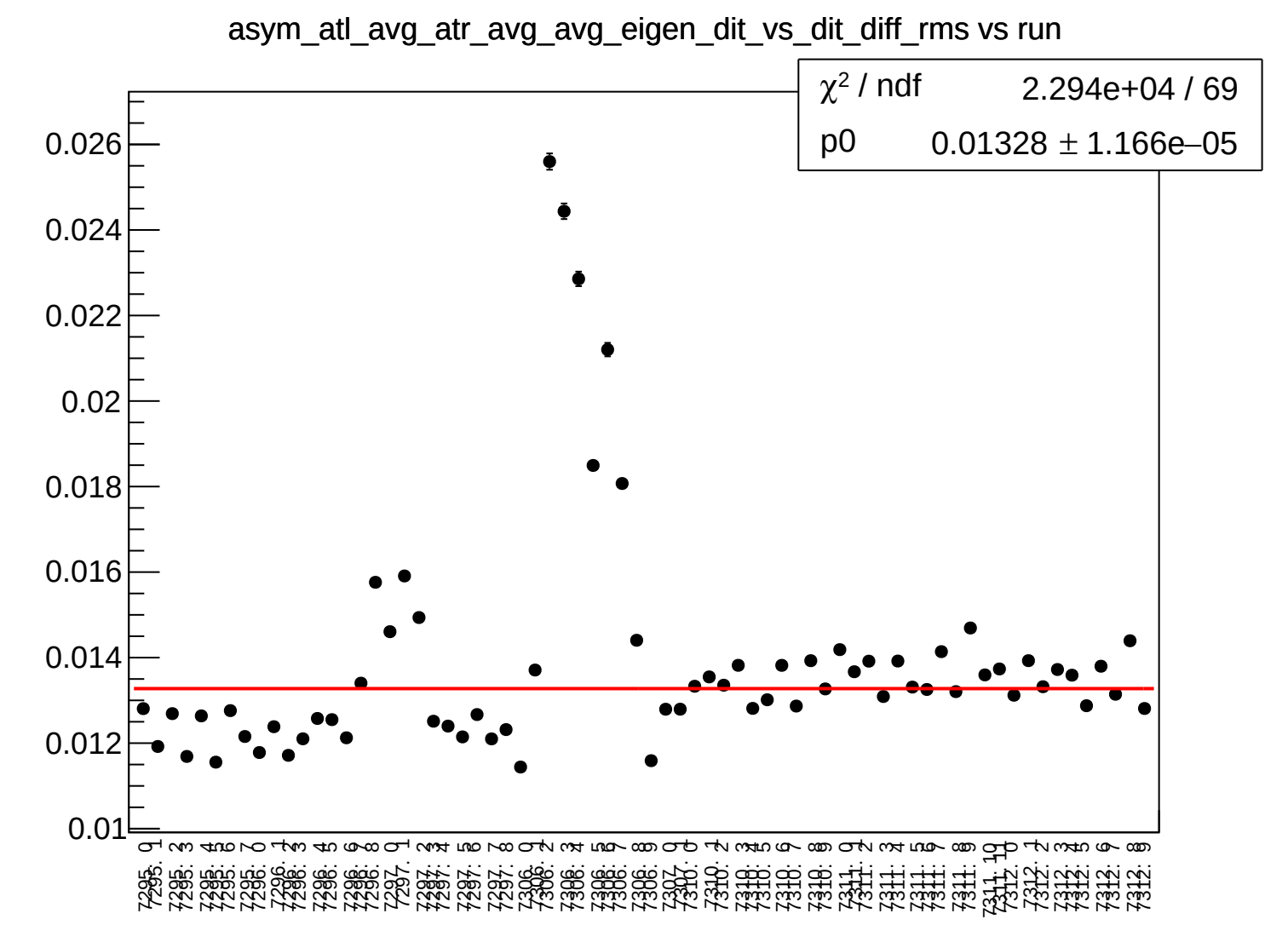

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.327e+04 / 69
p0 464.2 ± 0.4193
1100
1000
900
800
700
600
500
400
300

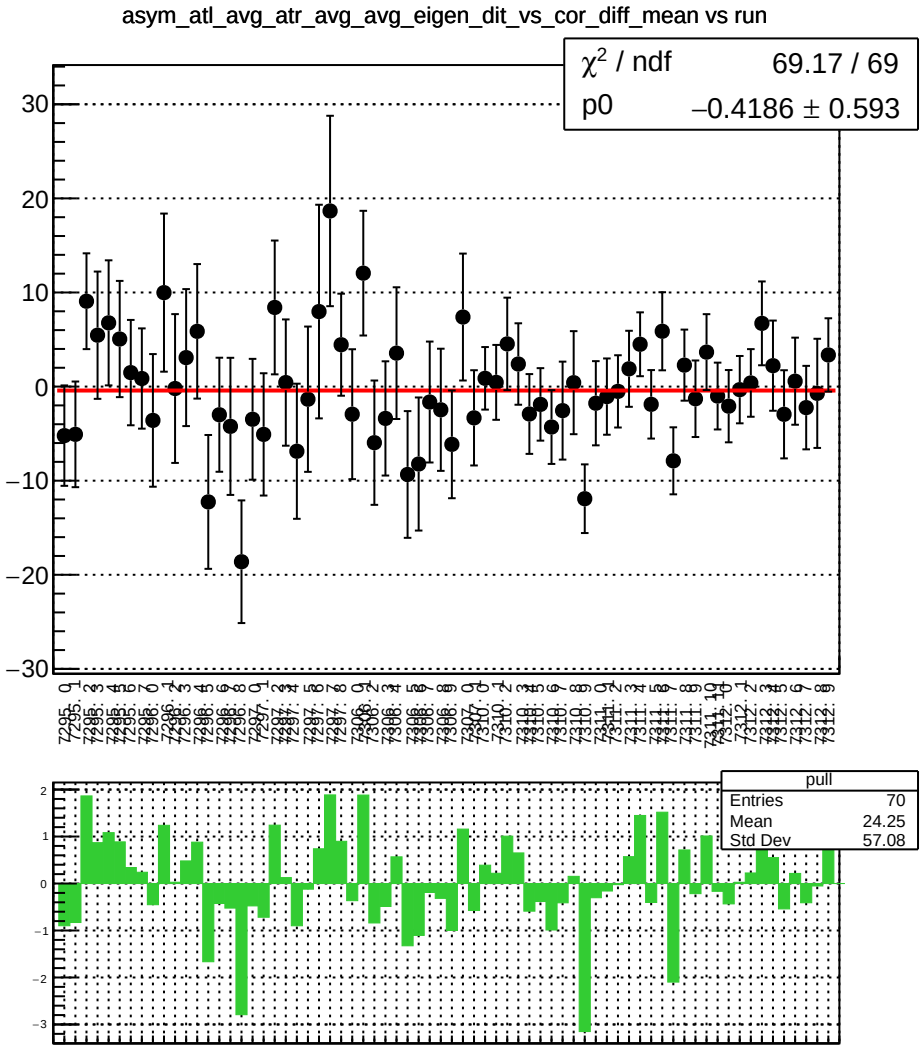

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.17 / 69
p0 −0.4186 ± 0.593
pull
Entries 70
Mean 24.25
Std Dev 57.08

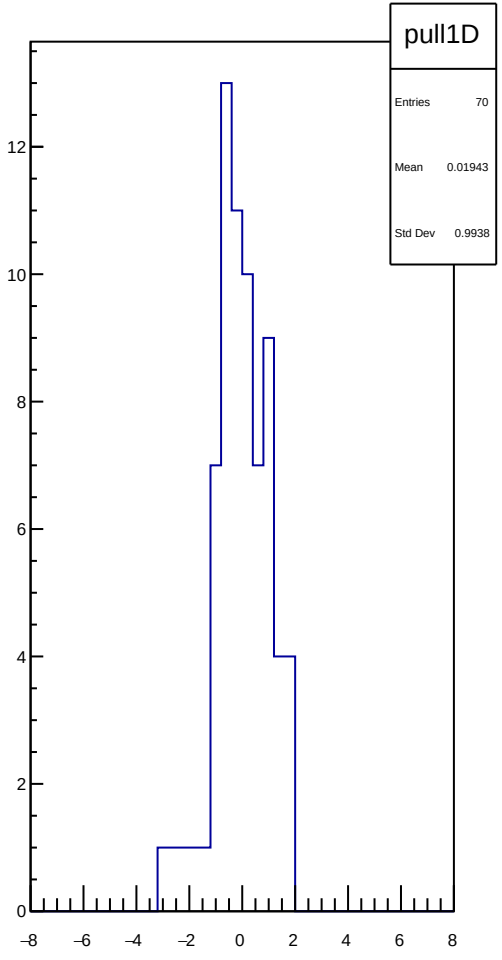

pull1D
Entries 70
Mean 0.01943
Std Dev 0.9938

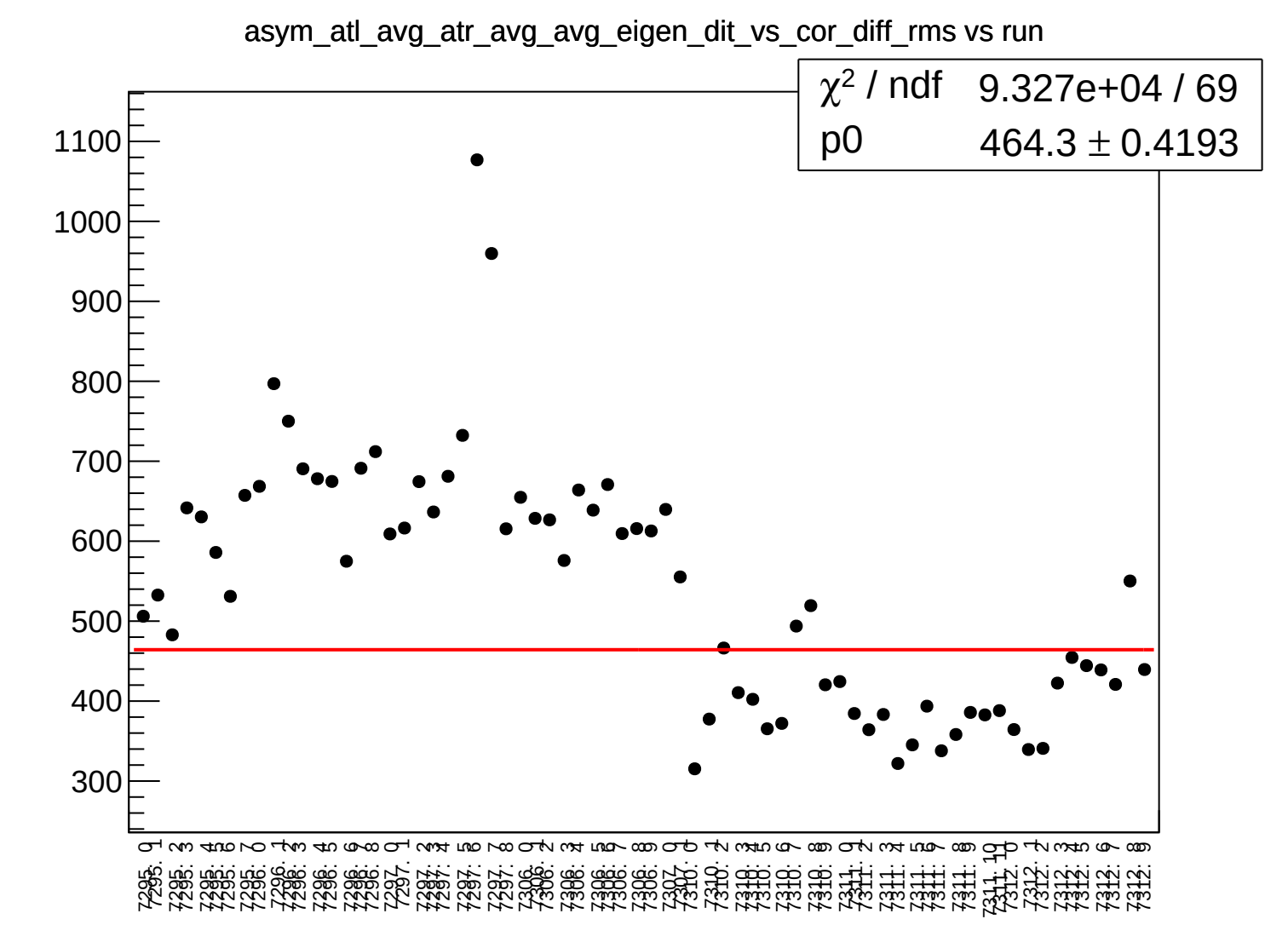

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.327e+04 / 69
p0 464.2 ± 0.4193
1100
1000
900
800
700
600
500
400
300

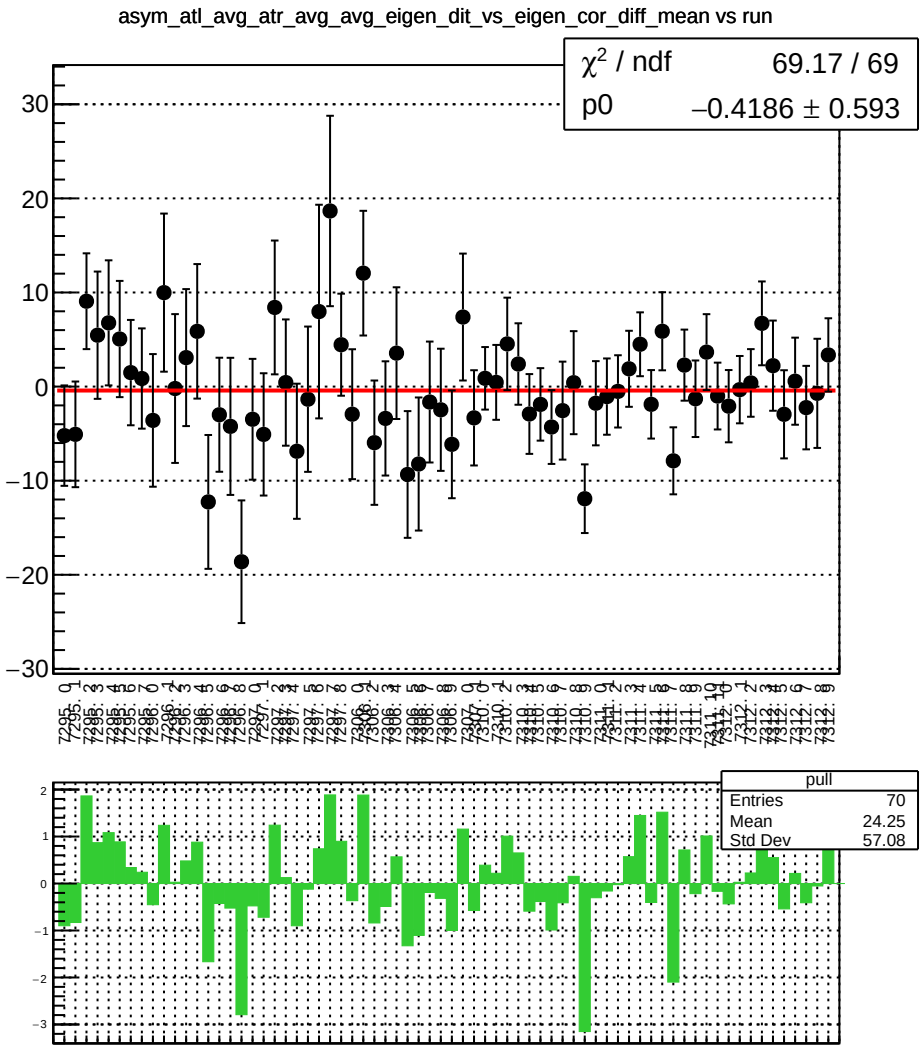

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.26 / 69
p0 −1.255e−05 ± 1.649e−05
pull
Entries 70
Mean 357.7
Std Dev 0
pull1D
Entries 70
Mean −0.00755
Std Dev 0.9875

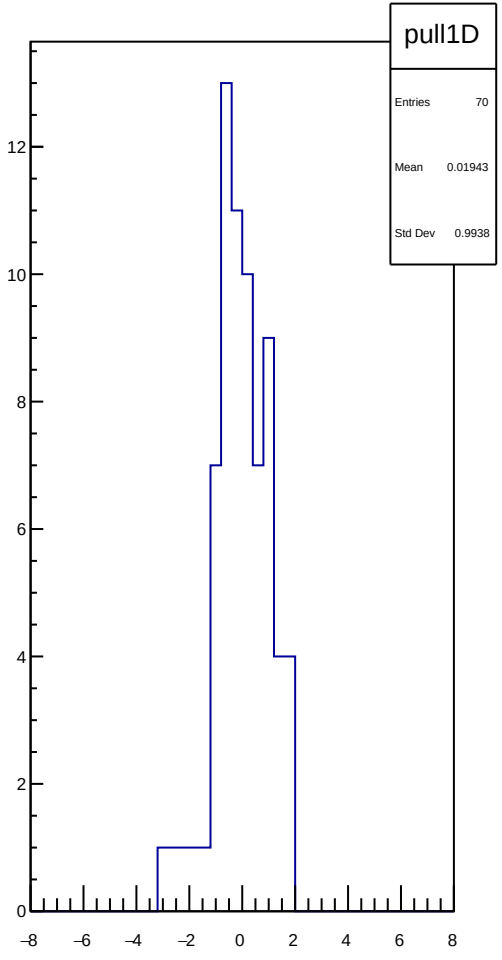

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.294e+04 / 69
p0 0.01328 ± 1.166e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

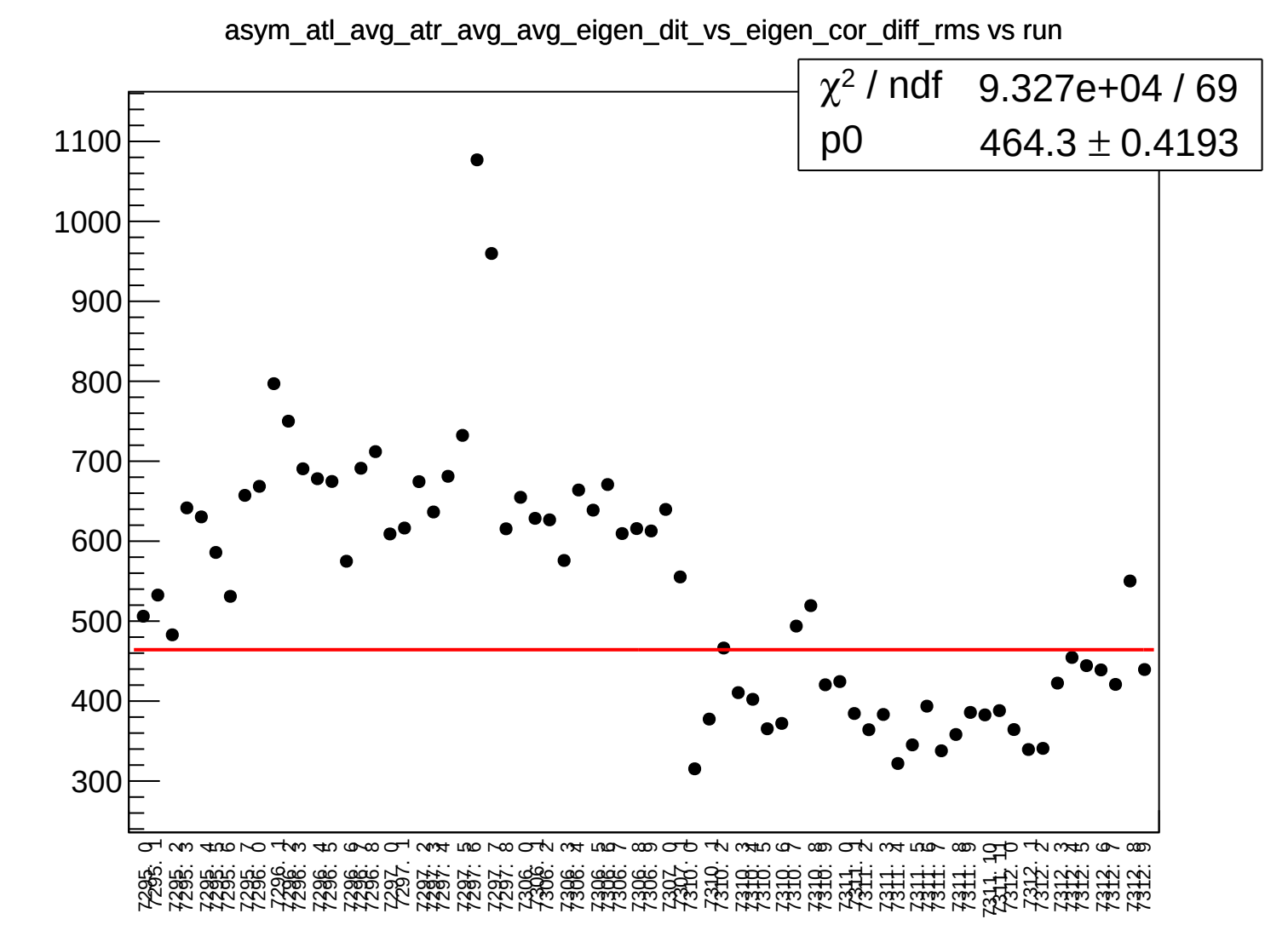

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.17 / 69
p0 −0.4186 ± 0.593
pull
Entries 70
Mean 24.25
Std Dev 57.08

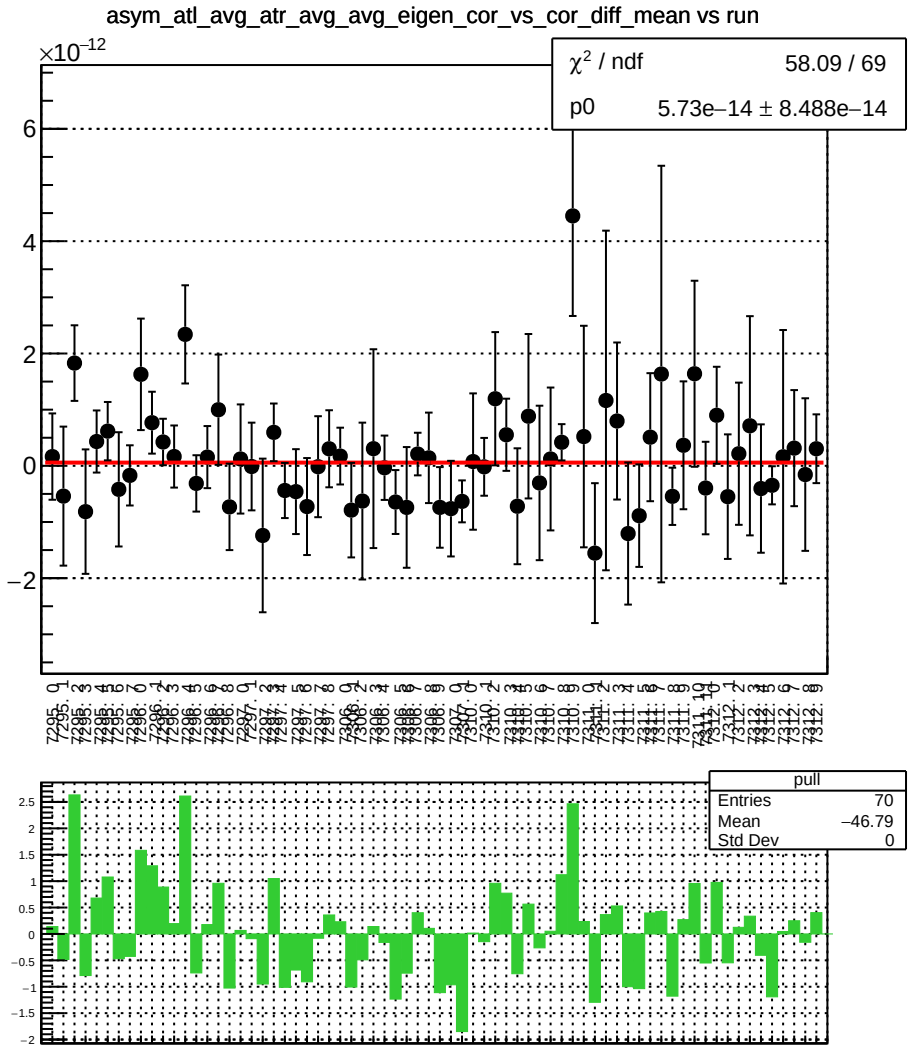

pull1D
Entries 70
Mean 0.01943
Std Dev 0.9938

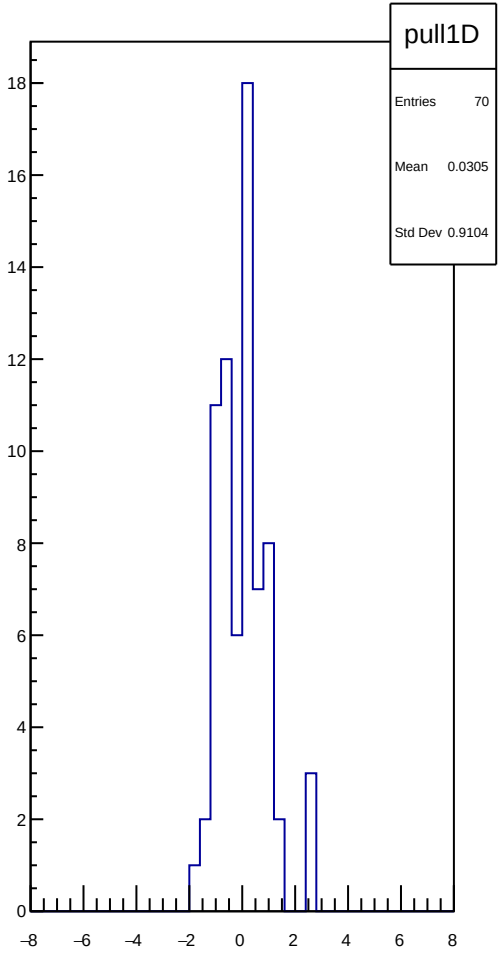

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.327e+04 / 69
p0 464.3 ± 0.4193
1100
1000
900
800
700
600
500
400
300

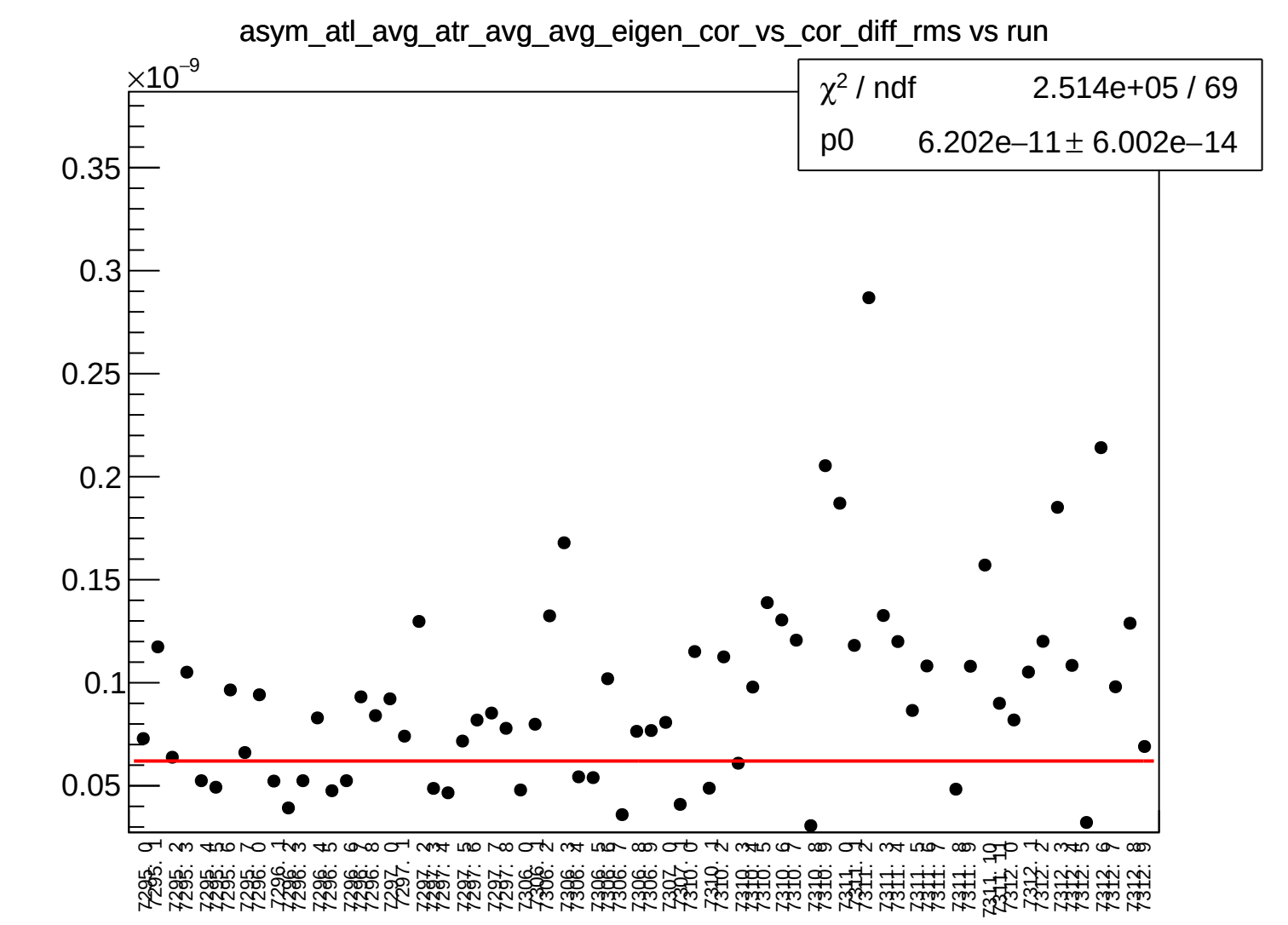

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.17 / 69
p0 −0.4186 ± 0.593
pull
Entries 70
Mean 24.25
Std Dev 57.08

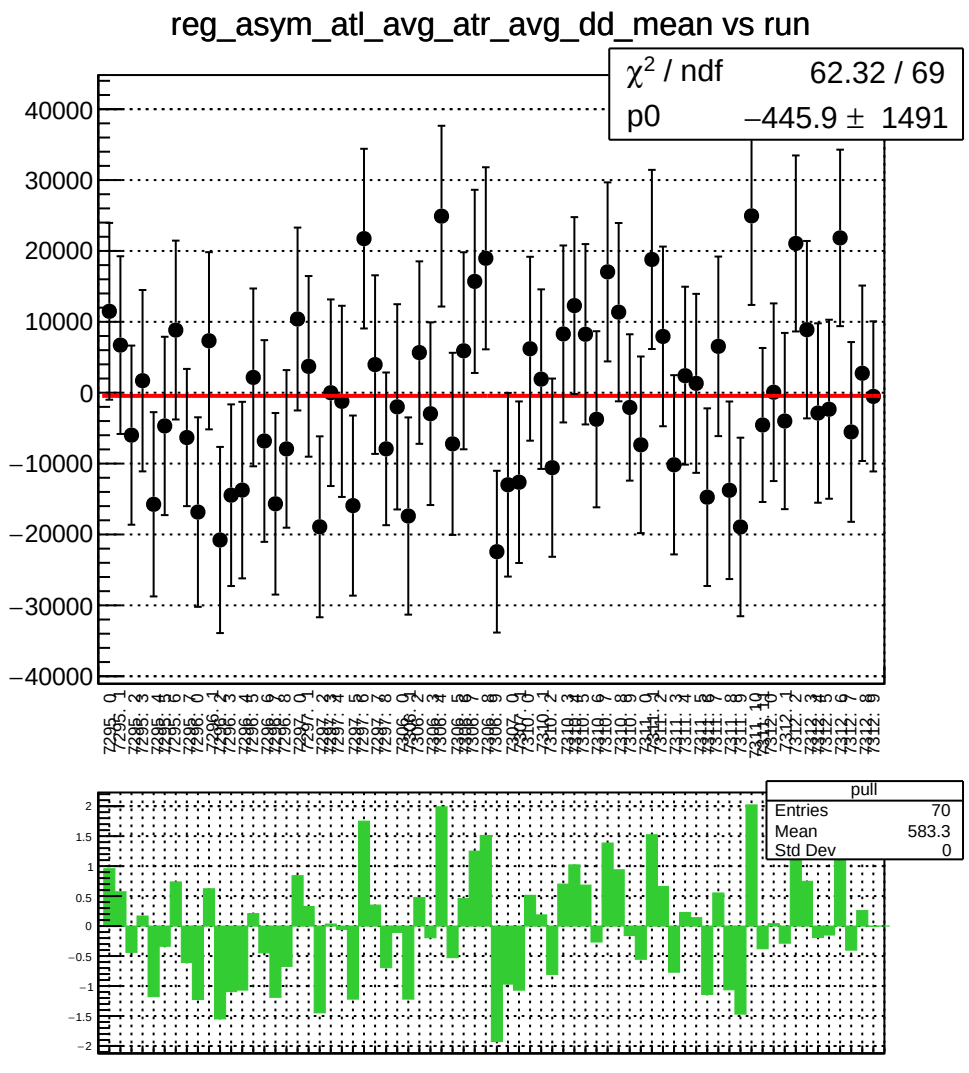

pull1D
Entries 70
Mean 0.01943
Std Dev 0.9938

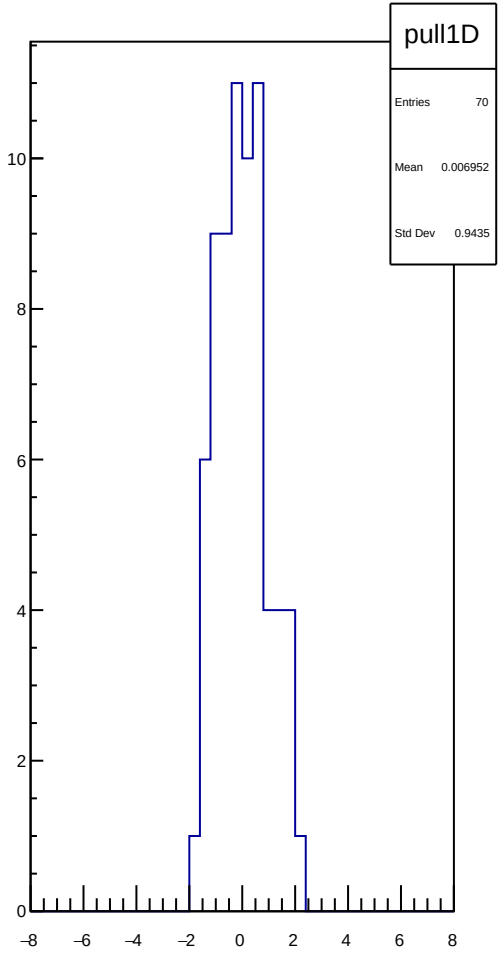

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.327e+04 / 69
p0 464.3 ± 0.4193
1100
1000
900
800
700
600
500
400
300

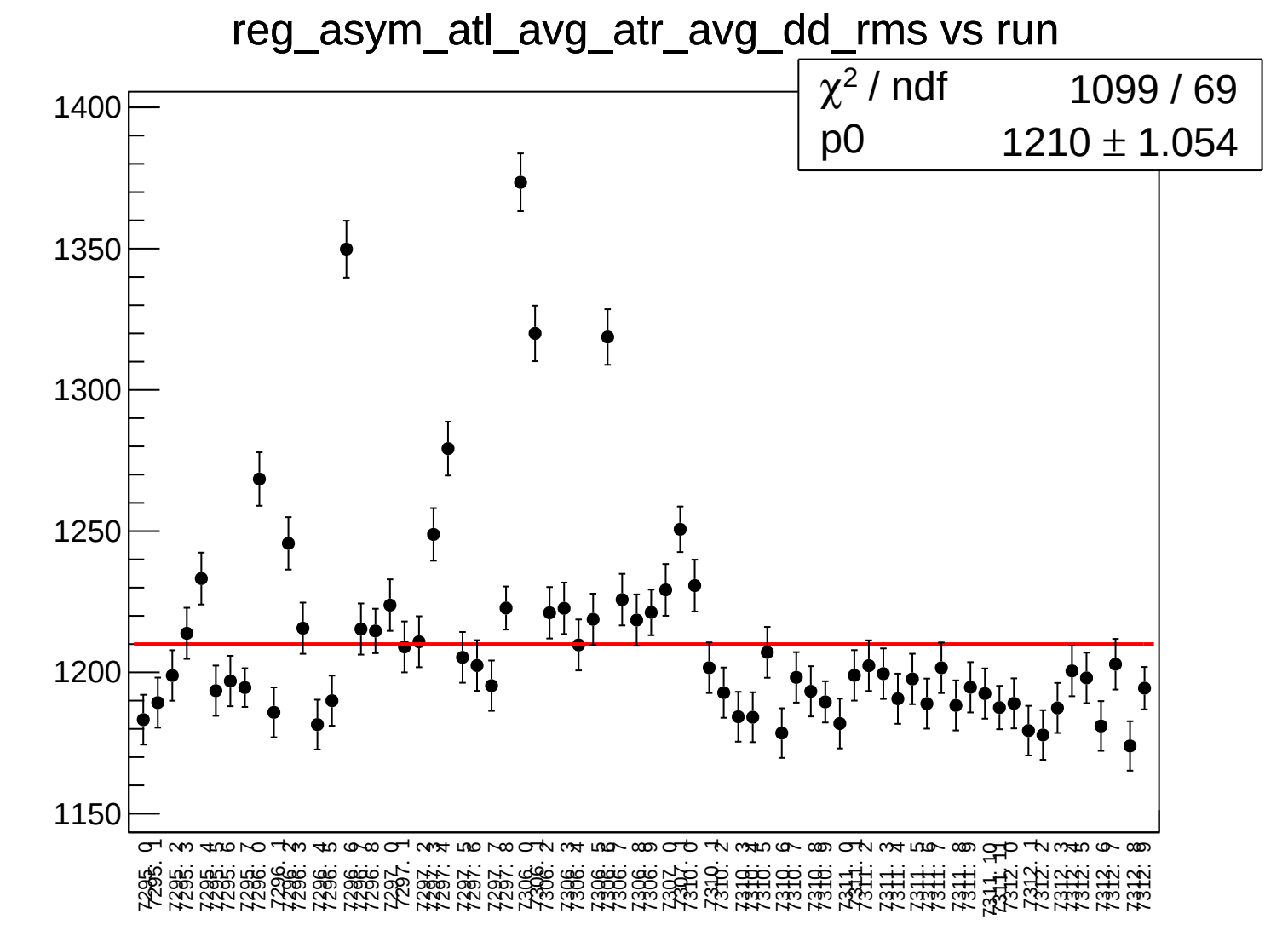

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.09 / 69
p0 5.73e−14 ± 8.488e−14
pull
Entries 70
Mean −46.79
Std Dev 0

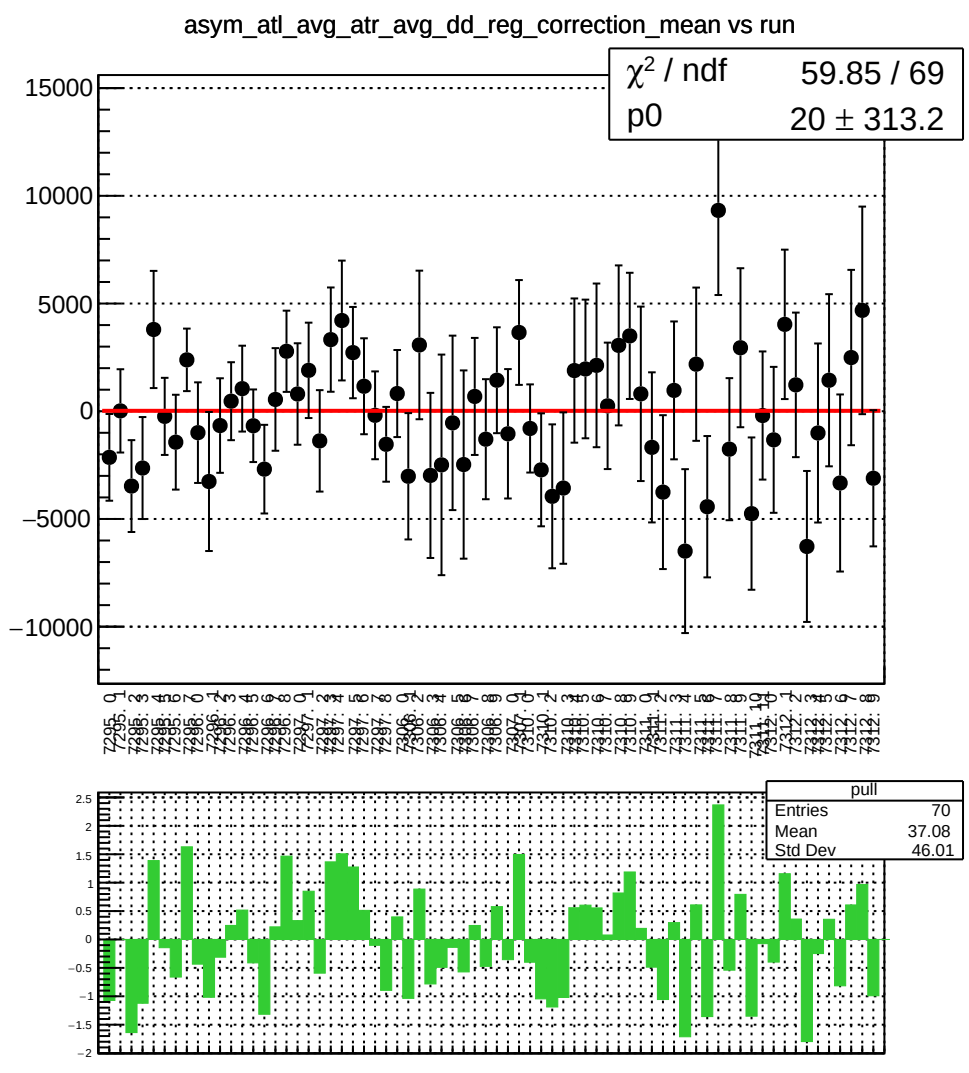

pull1D
Entries 70
Mean 0.0305
Std Dev 0.9104

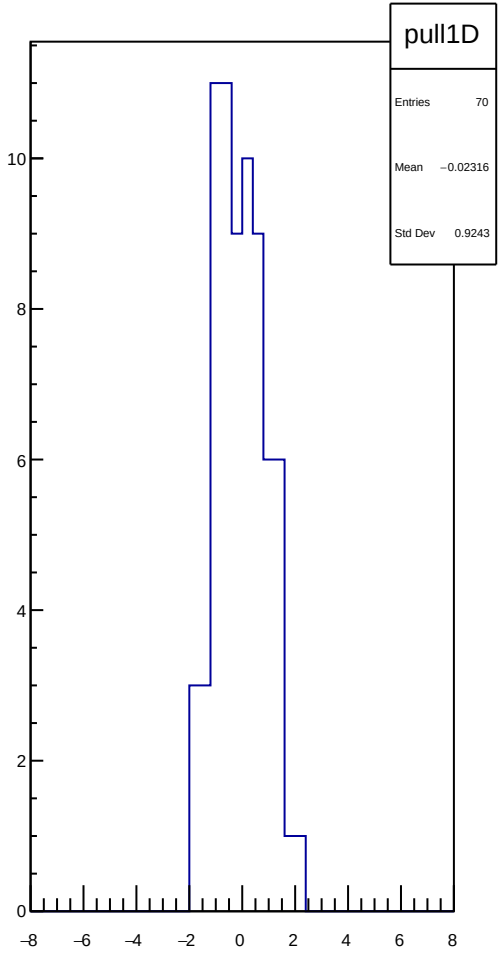

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.514e+05 / 69
p0 6.202e−11 ± 6.002e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

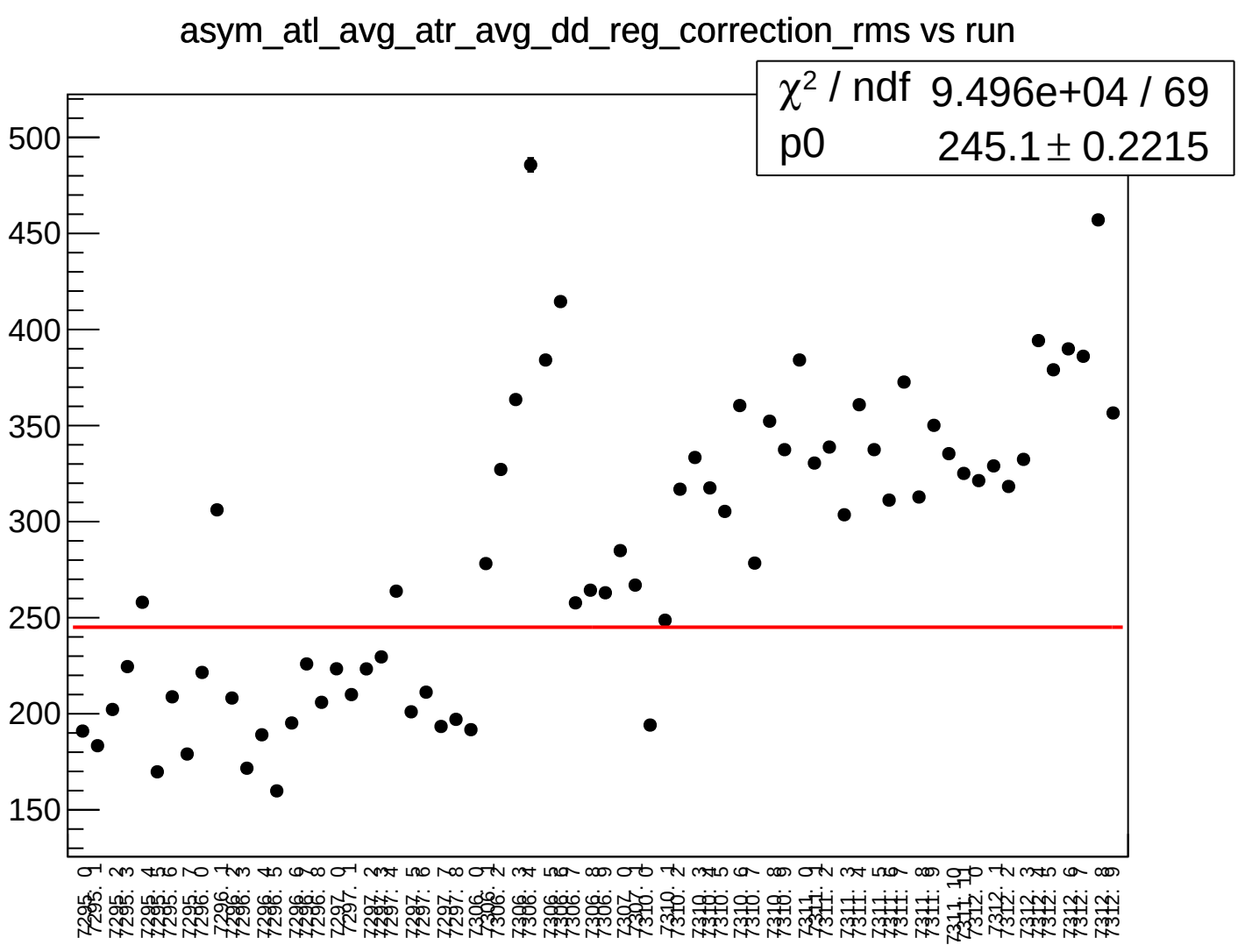

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.32 / 69
p0 −445.9 ± 1491
pull
Entries 70
Mean 583.3
Std Dev 0

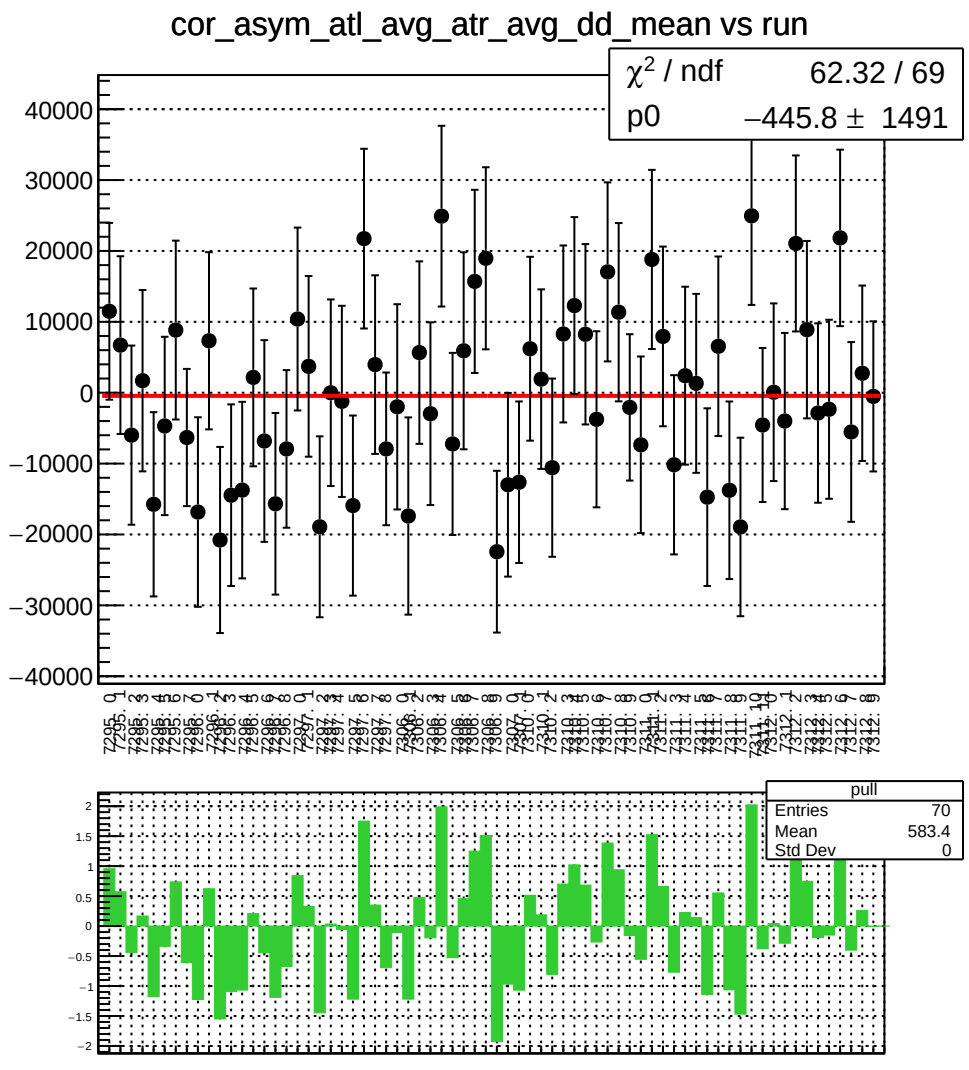

pull1D
Entries 70
Mean 0.006952
Std Dev 0.9435

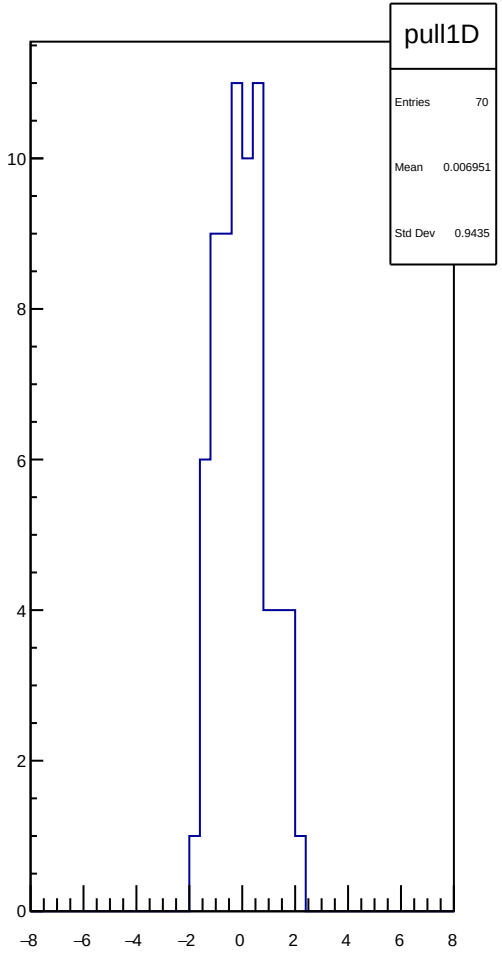

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

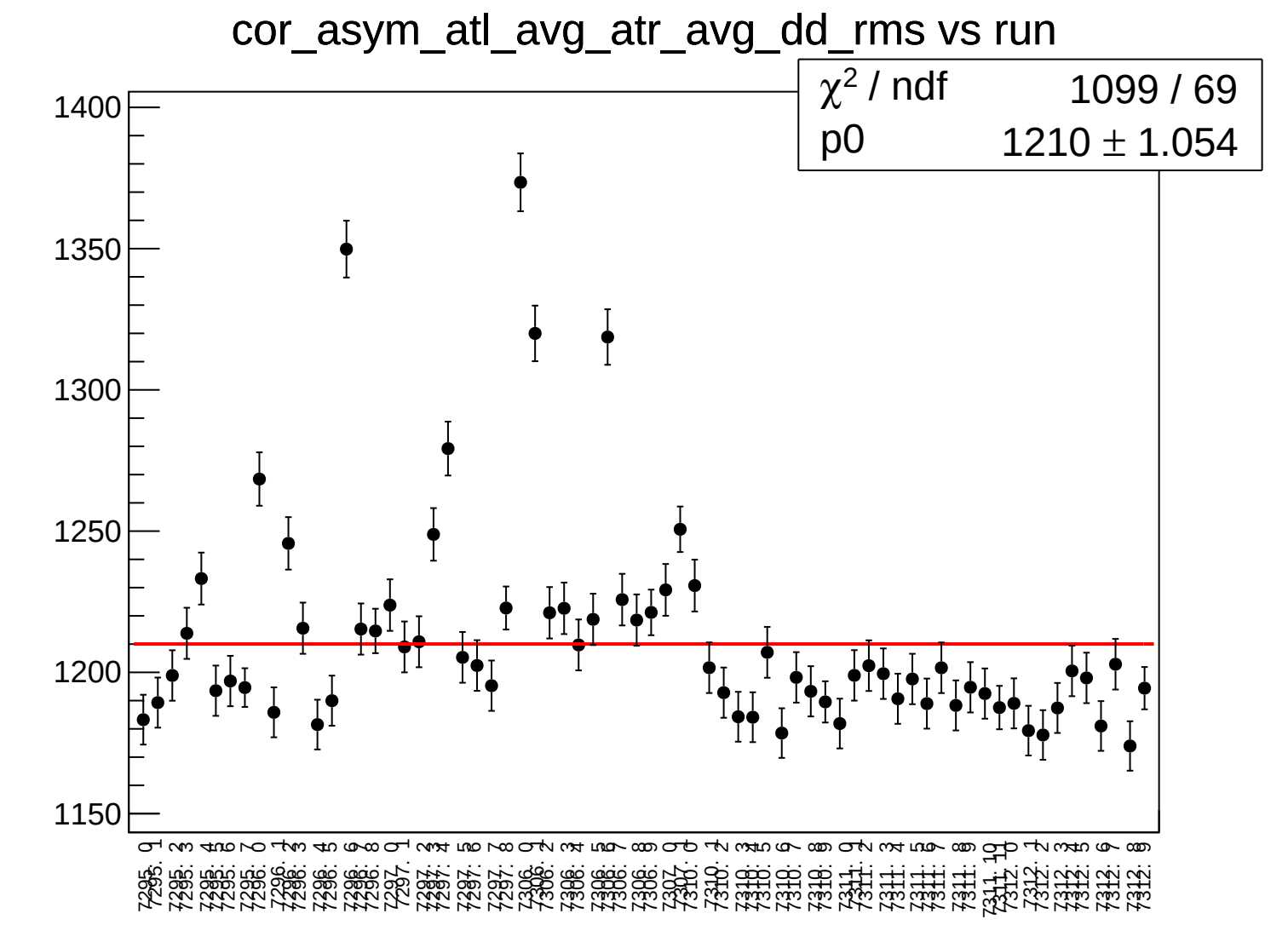

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 59.85 / 69
p0 20 ± 313.2
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 37.08
Std Dev 46.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

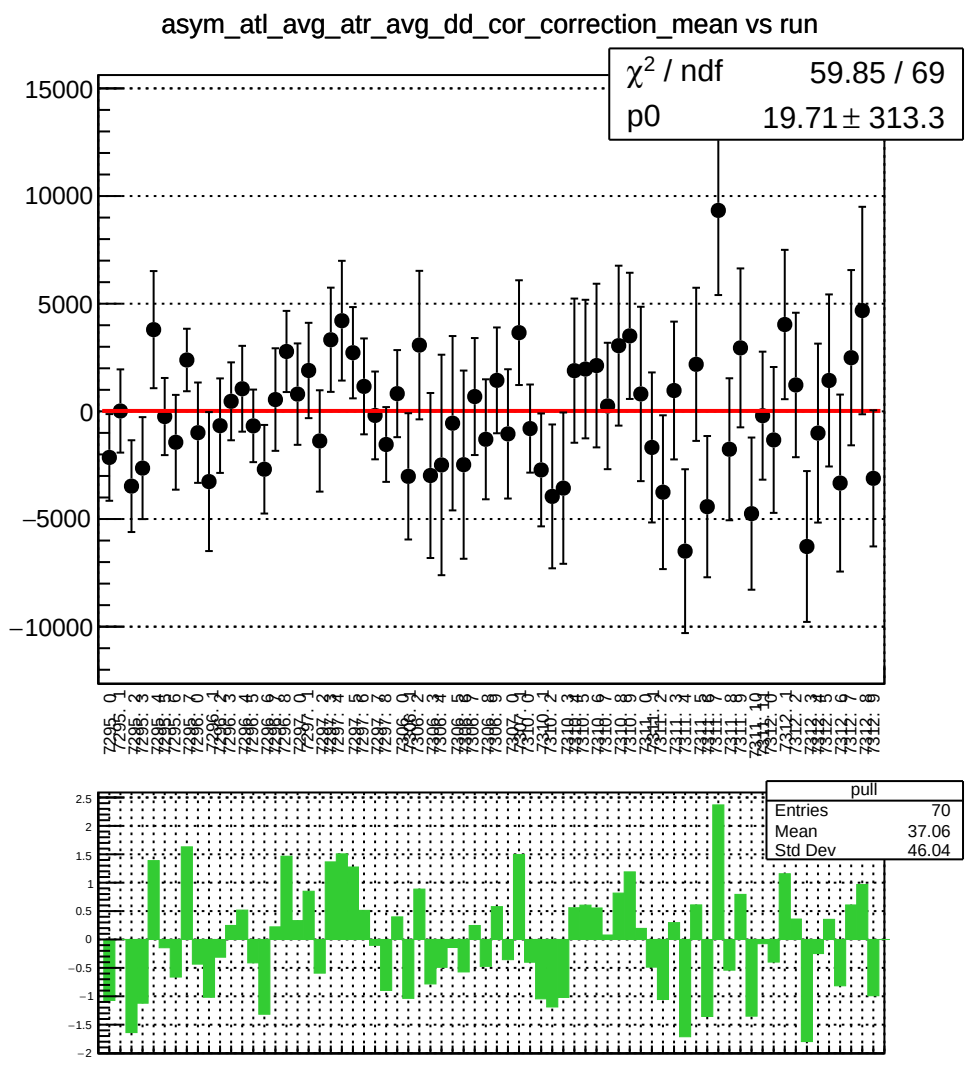

pull1D
Entries 70
Mean −0.02316
Std Dev 0.9243
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

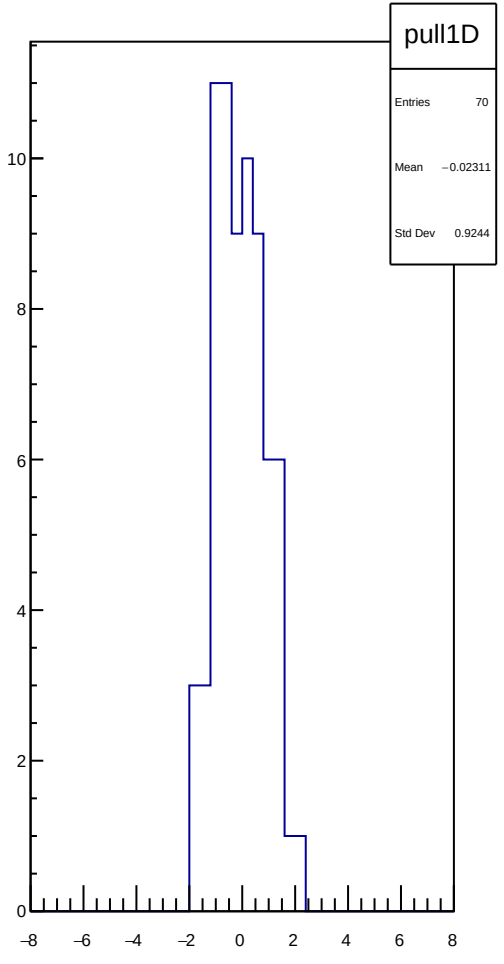

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 9.496e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

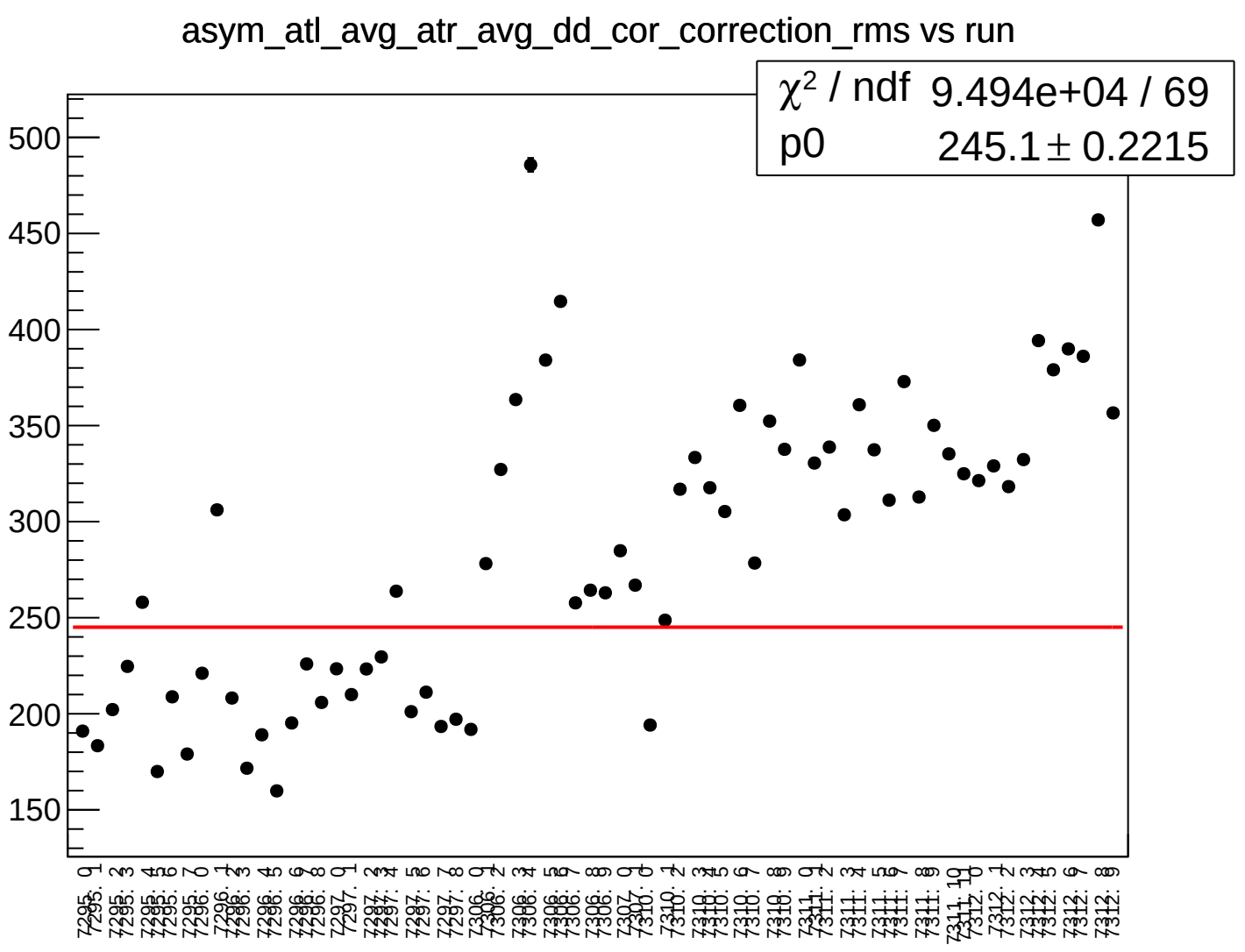

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.32 / 69
p0 −445.8 ± 1491
pull
Entries 70
Mean 583.4
Std Dev 0

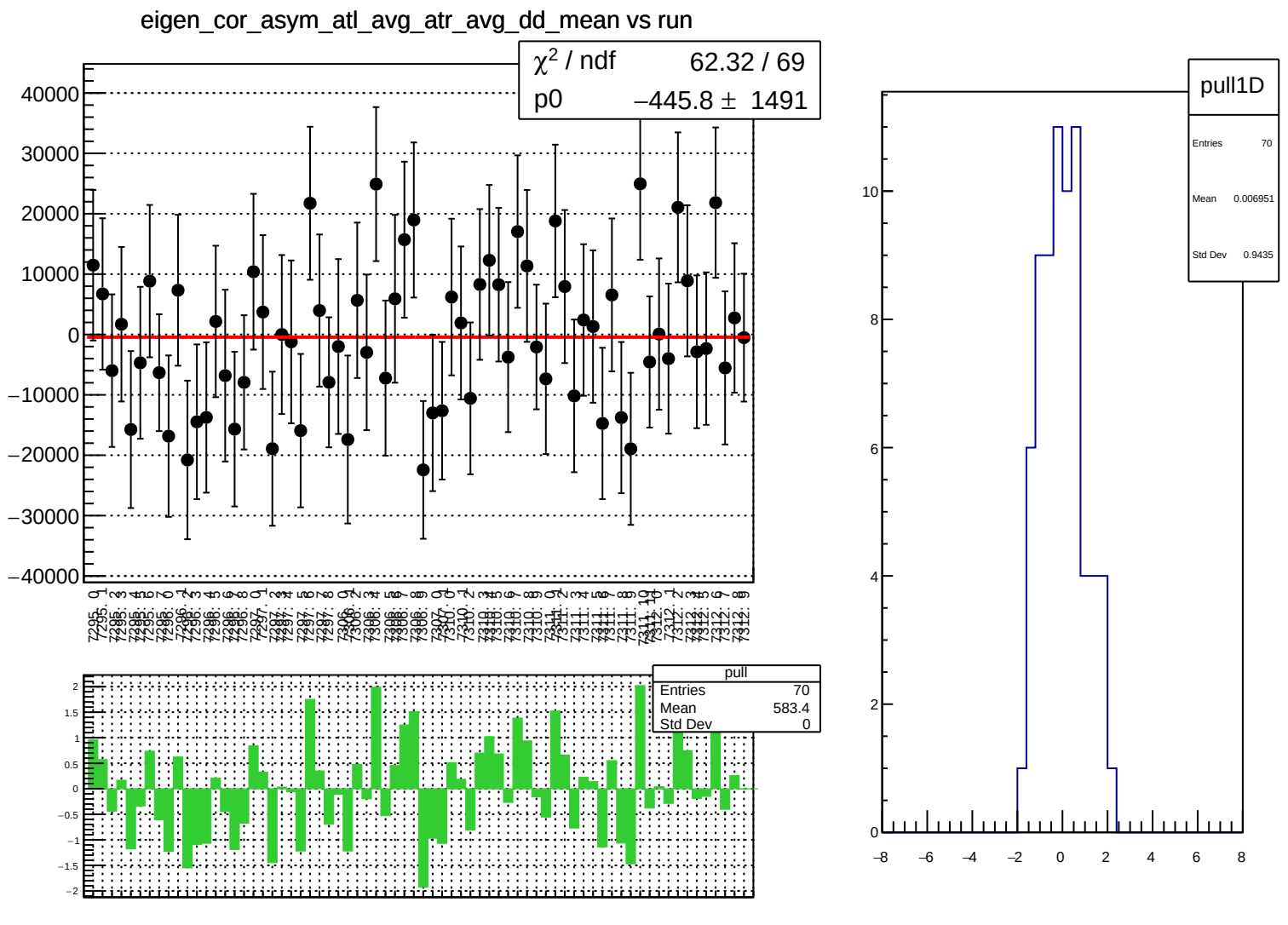

pull1D
Entries 70
Mean 0.006951
Std Dev 0.9435

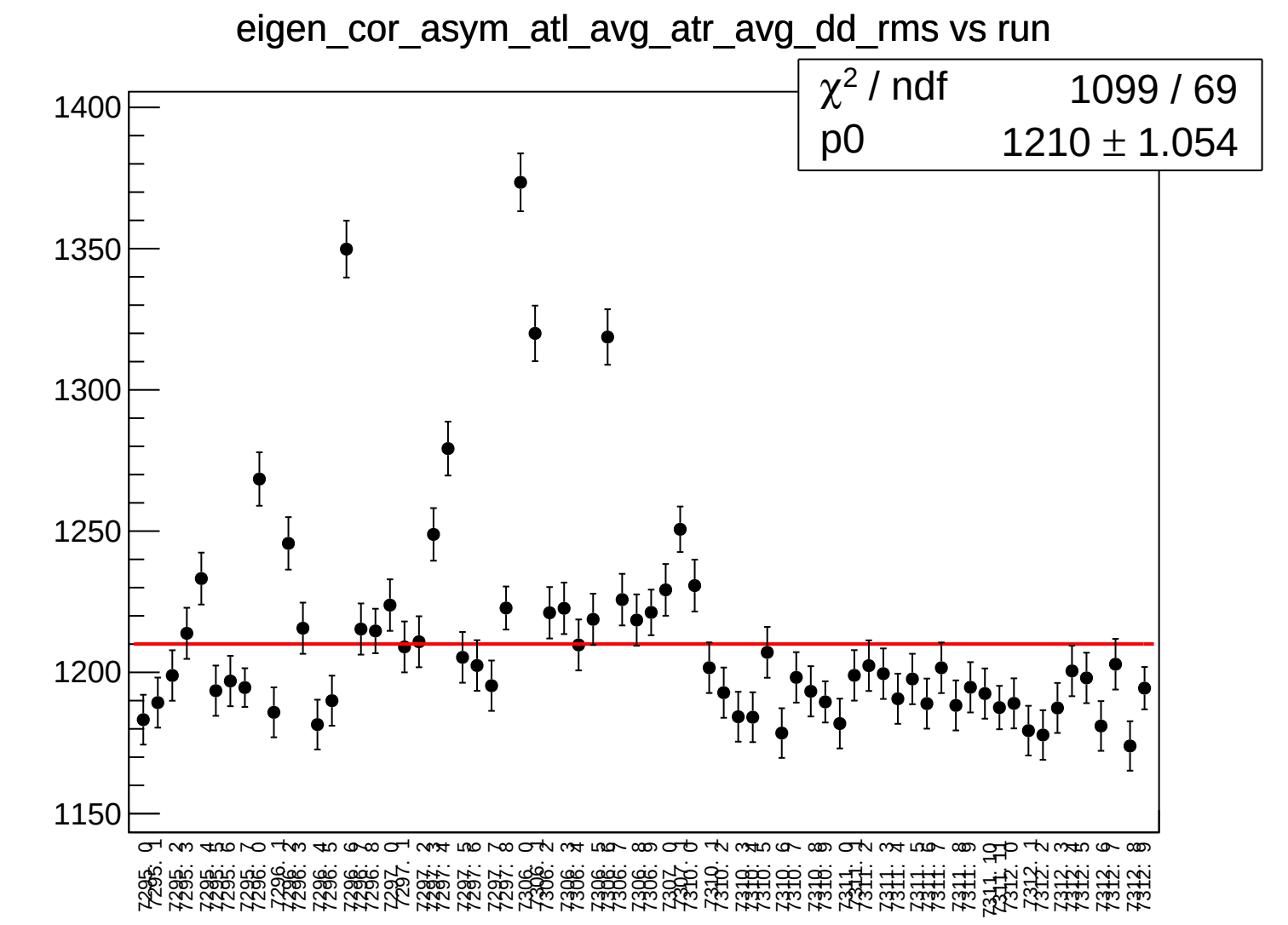

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

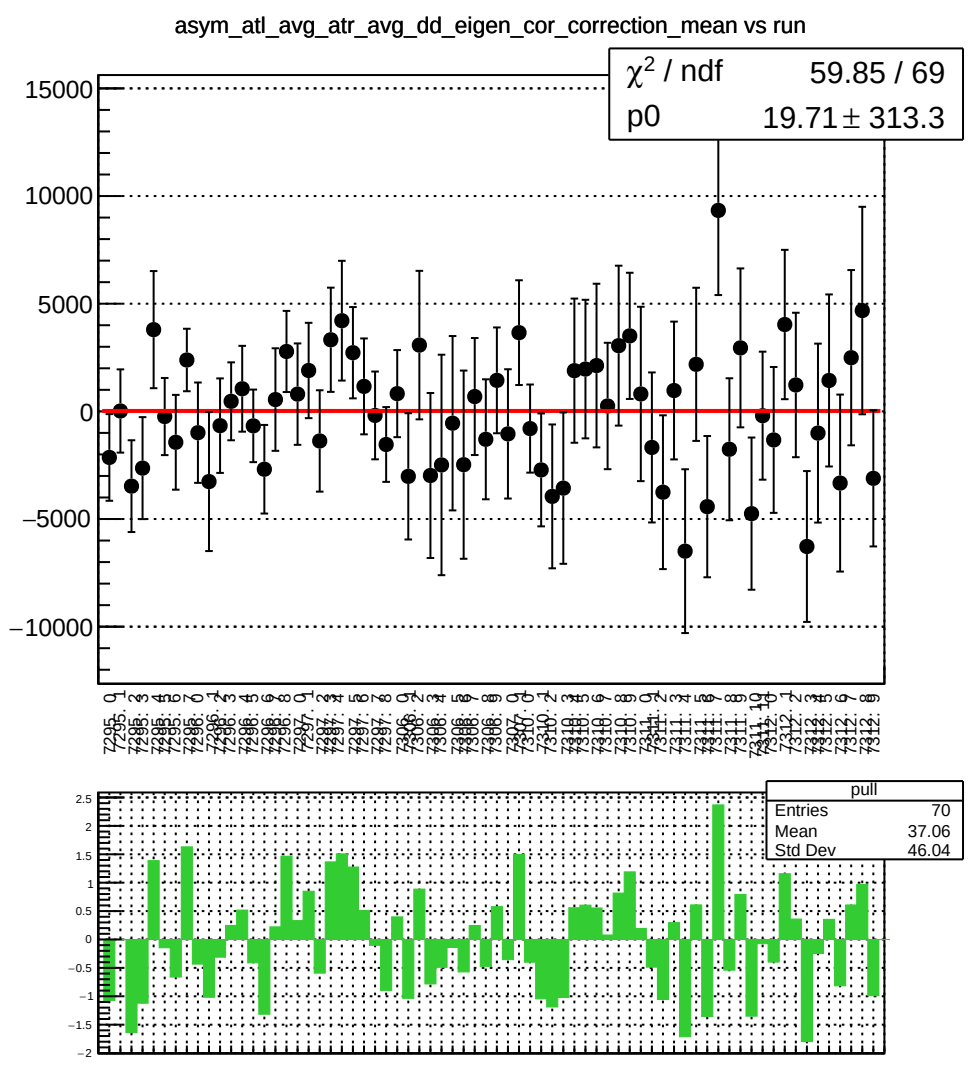

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 59.85 / 69
p0 19.71 ± 313.3
pull
Entries 70
Mean 37.06
Std Dev 46.04

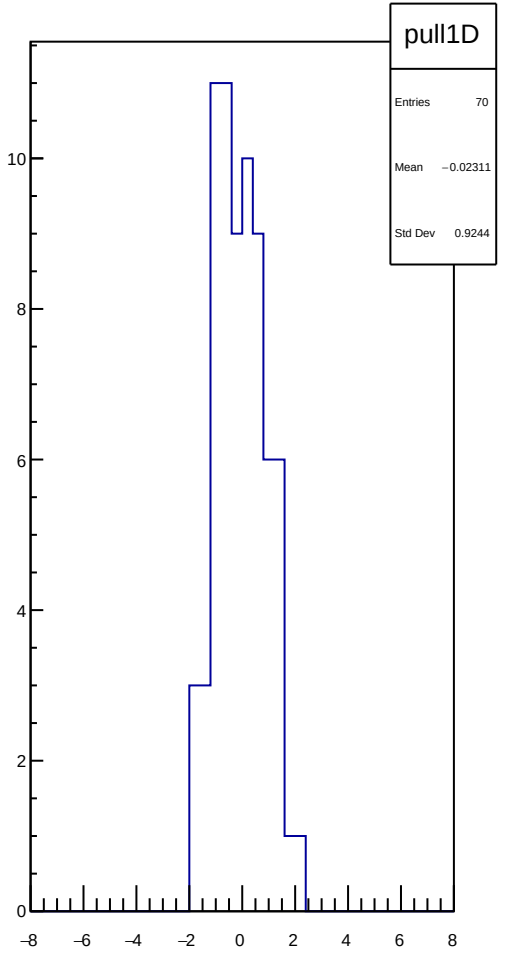

pull1D
Entries 70
Mean −0.02311
Std Dev 0.9244

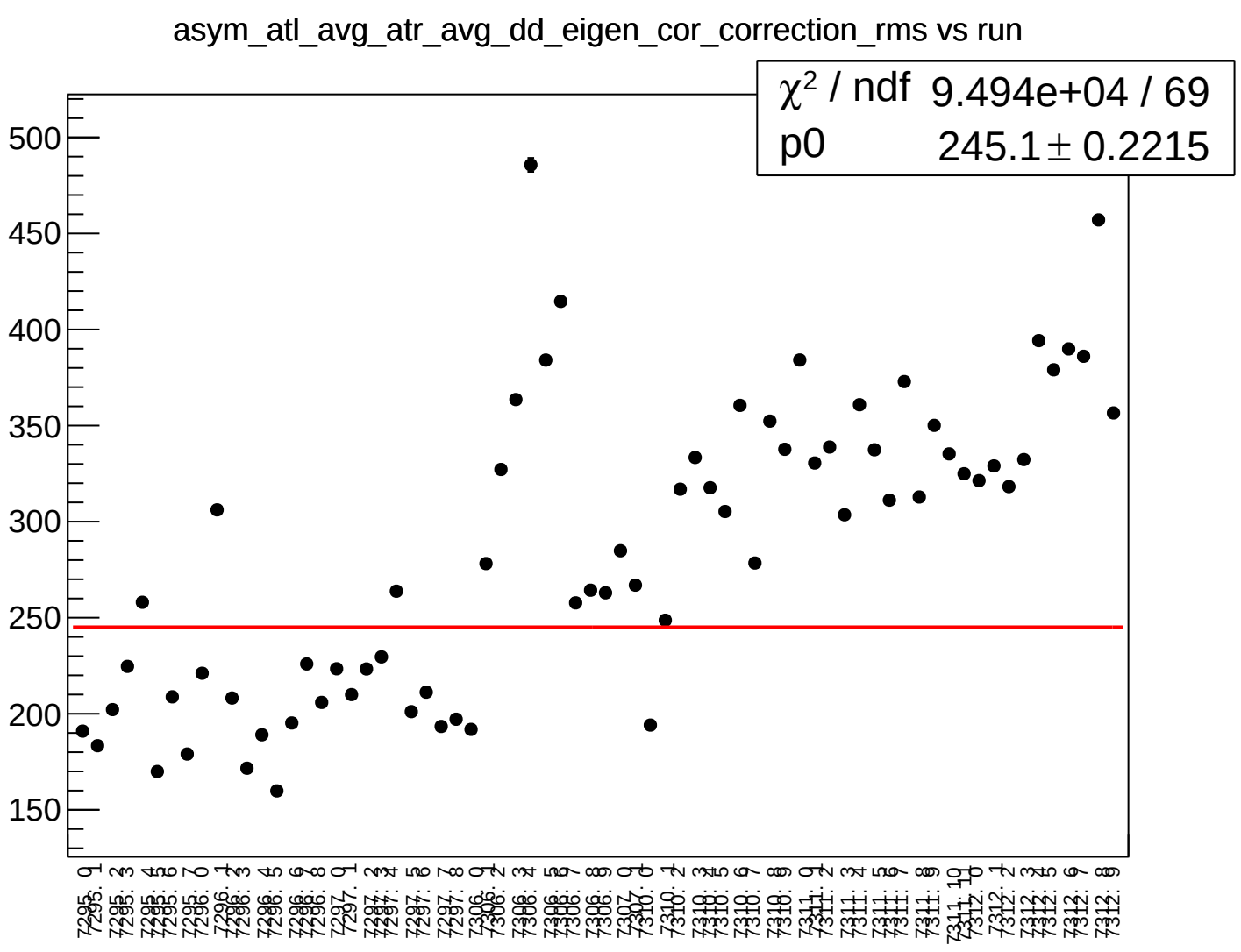

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 9.494e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

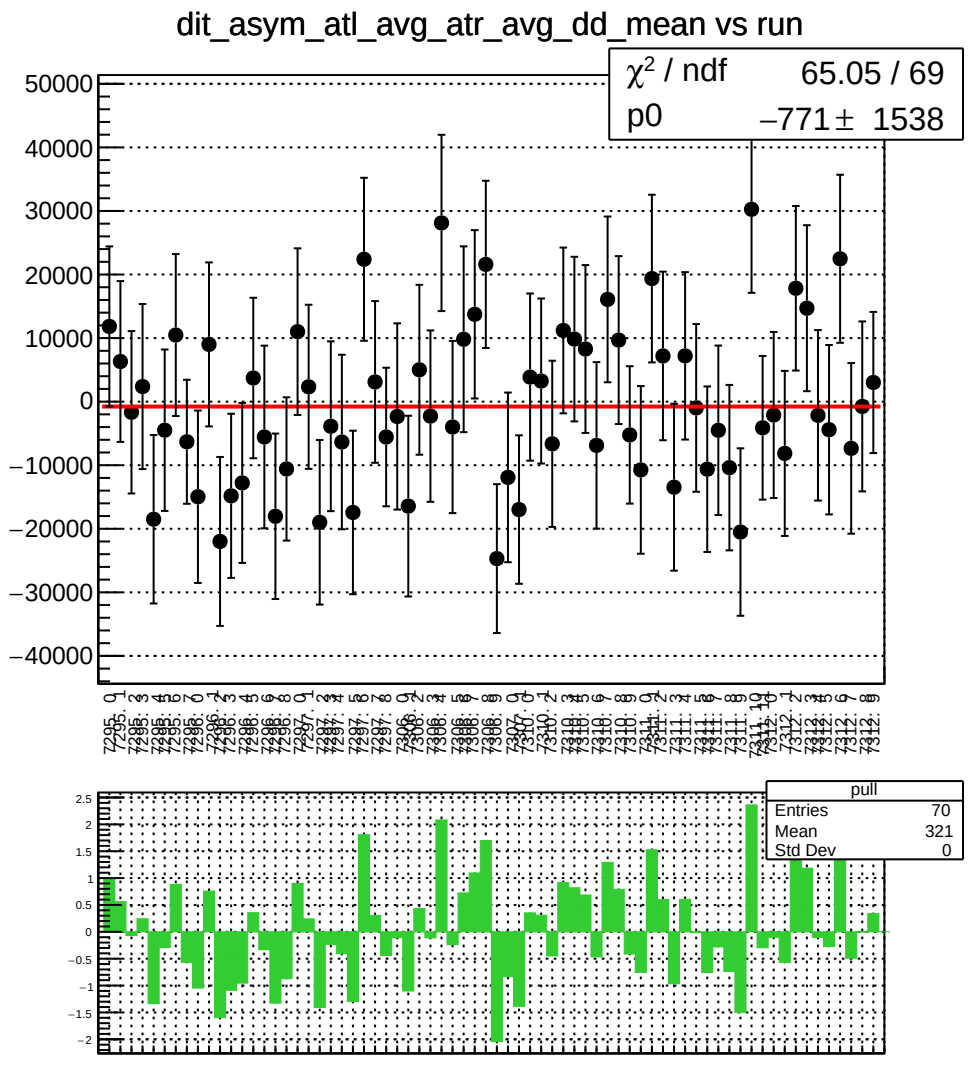

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.32 / 69
p0 −445.8 ± 1491
pull
Entries 70
Mean 583.4
Std Dev 0
pull1D
Entries 70
Mean 0.006951
Std Dev 0.9435

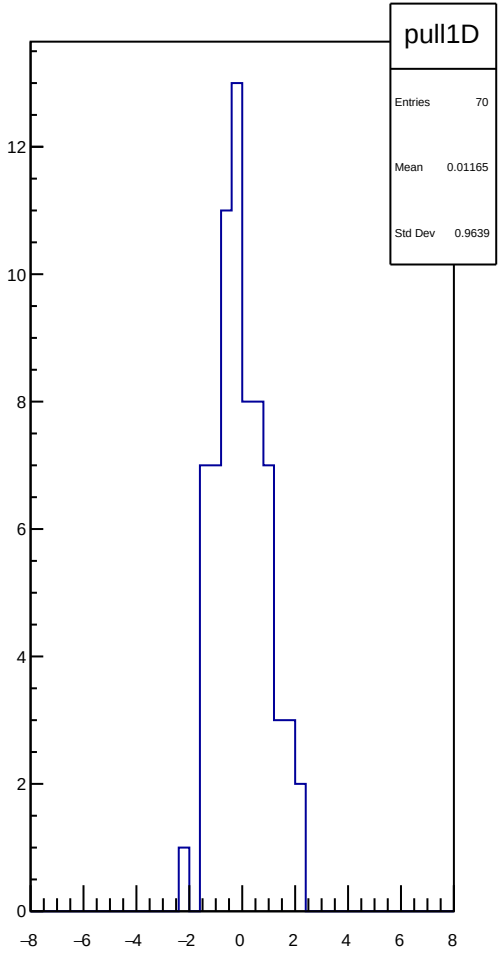

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

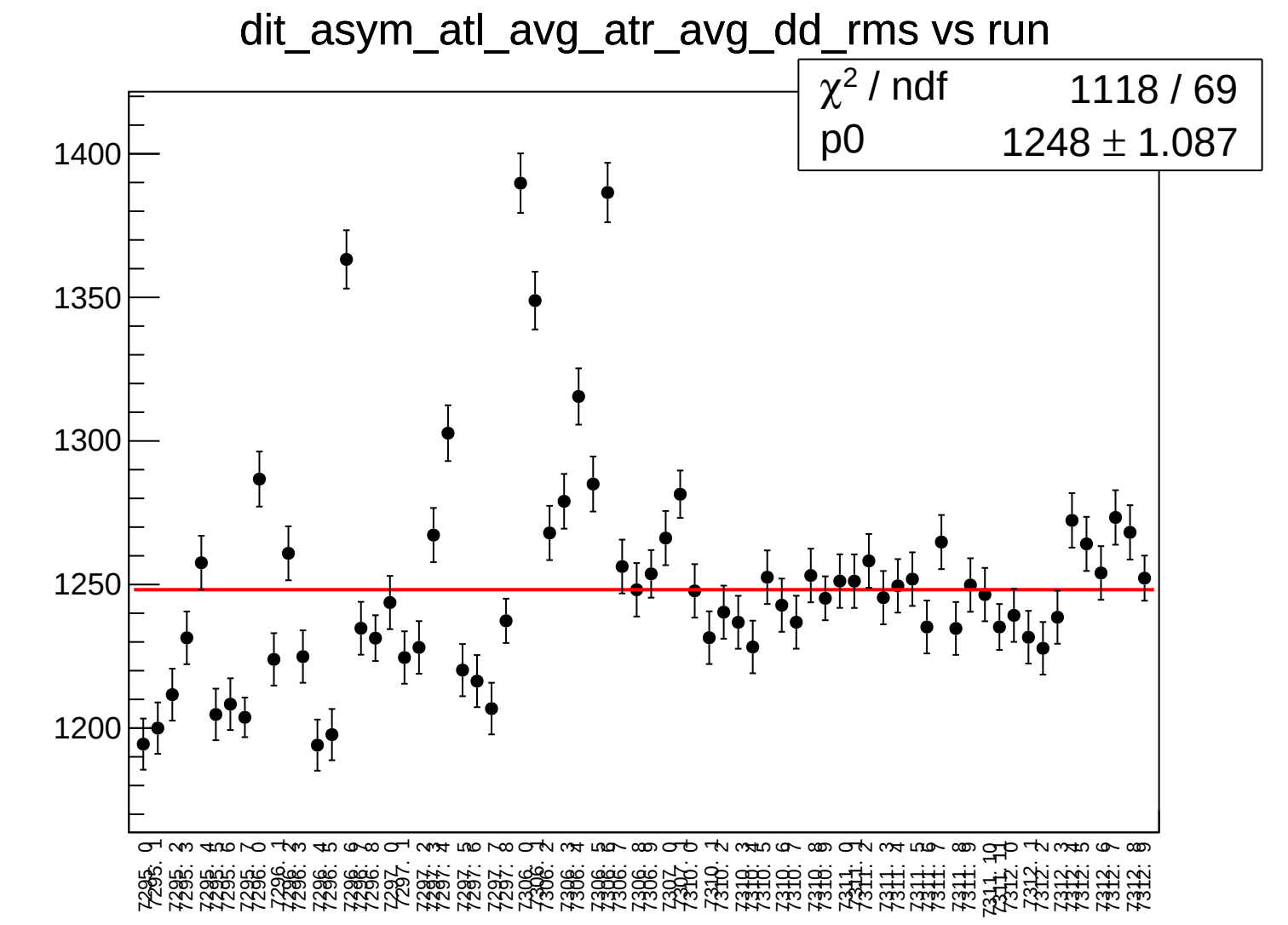

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.85 / 69
p0 19.71 ± 313.3
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 37.06
Std Dev 46.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

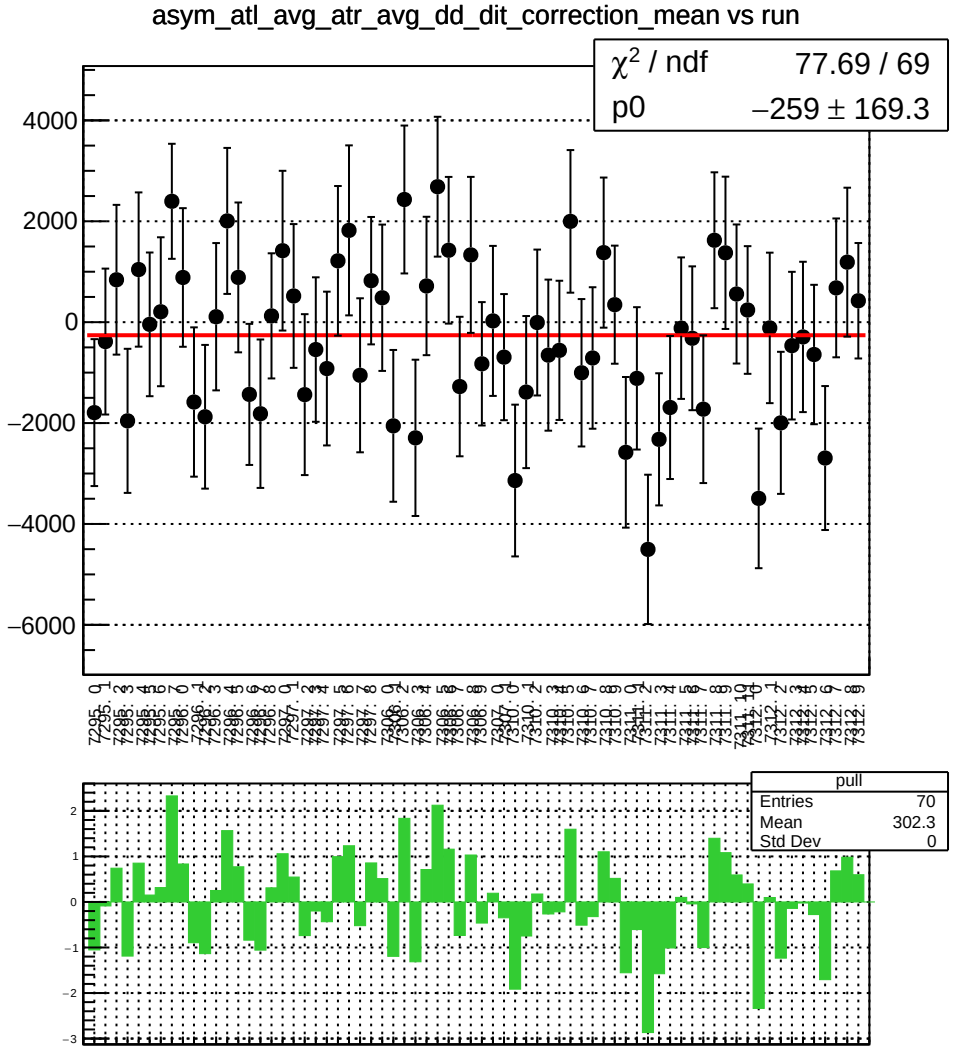

pull1D
Entries 70
Mean −0.02311
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

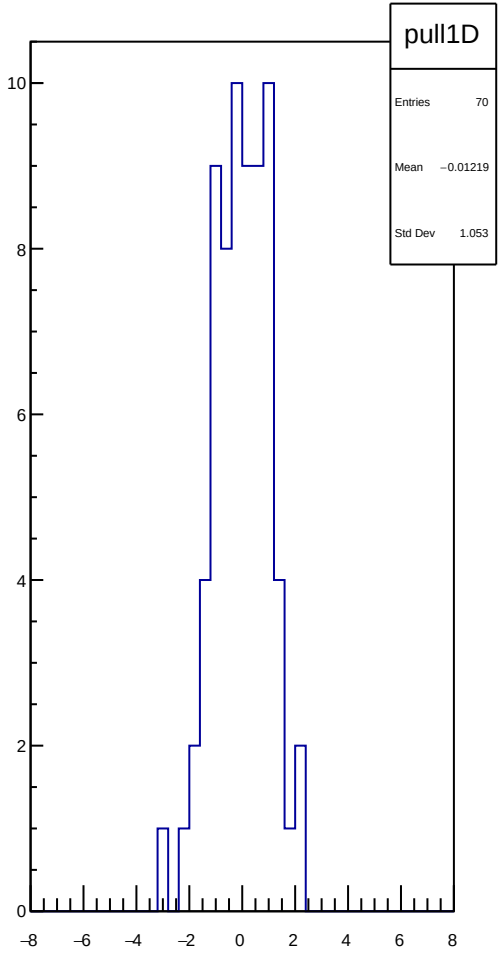

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 9.494e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

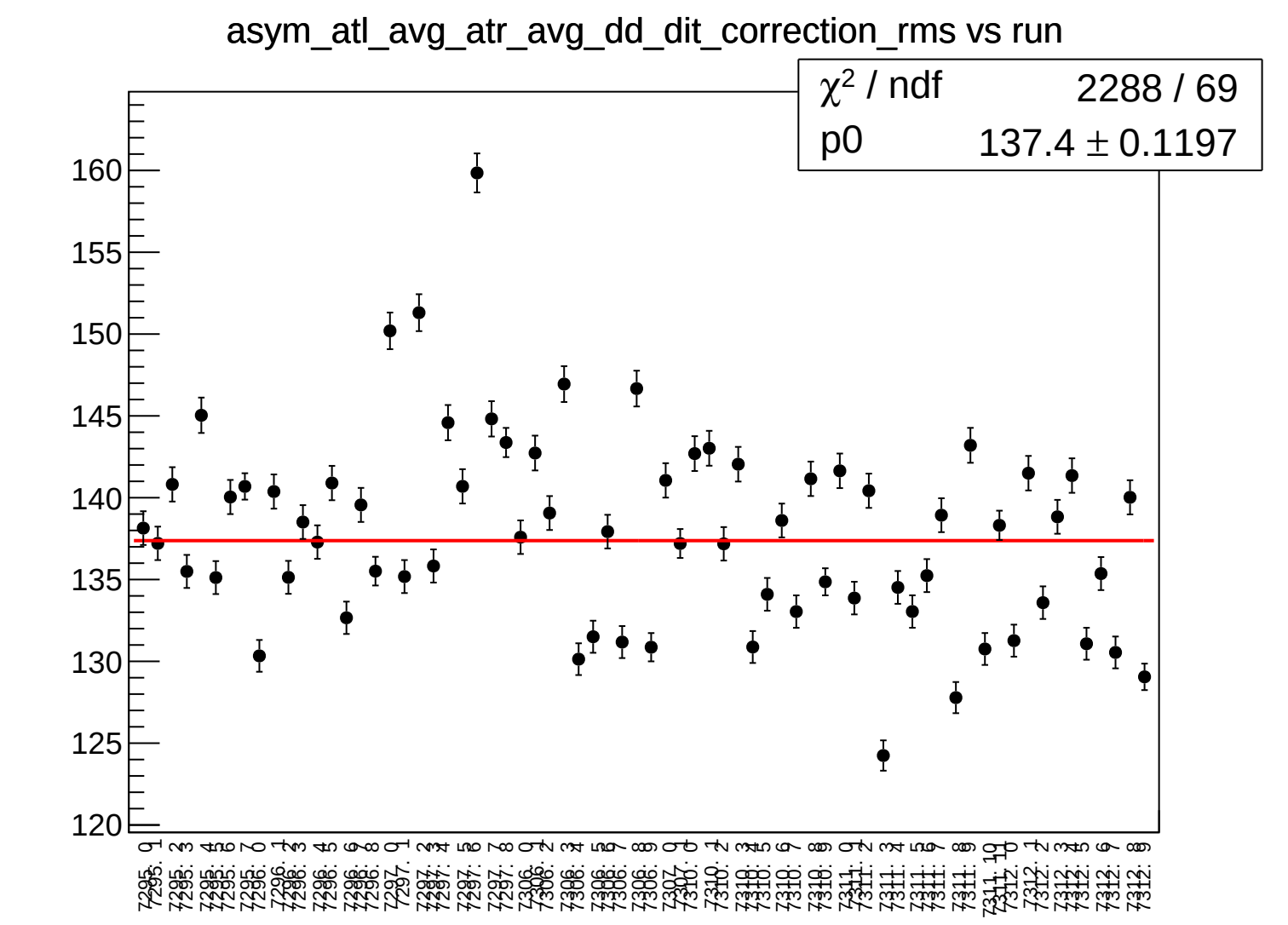

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.05 / 69
p0 −771 ± 1538
pull
Entries 70
Mean 321
Std Dev 0

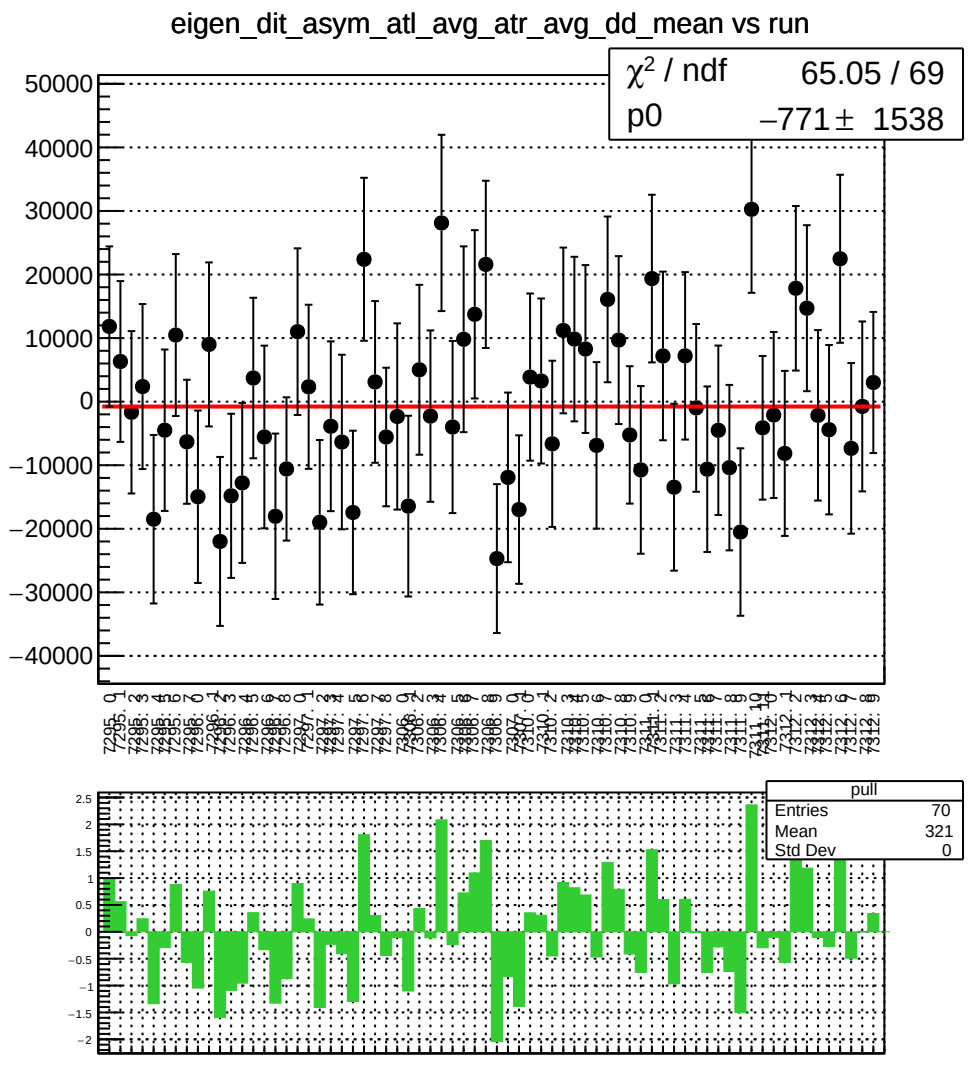

pull1D
Entries 70
Mean 0.01165
Std Dev 0.9639

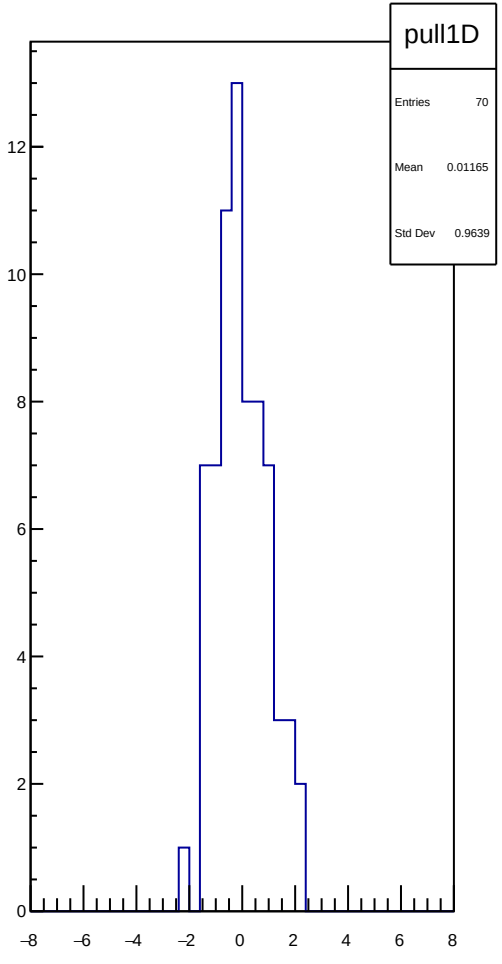

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1118 / 69
p0 1248 ± 1.087
1400
1350
1300
1250
1200

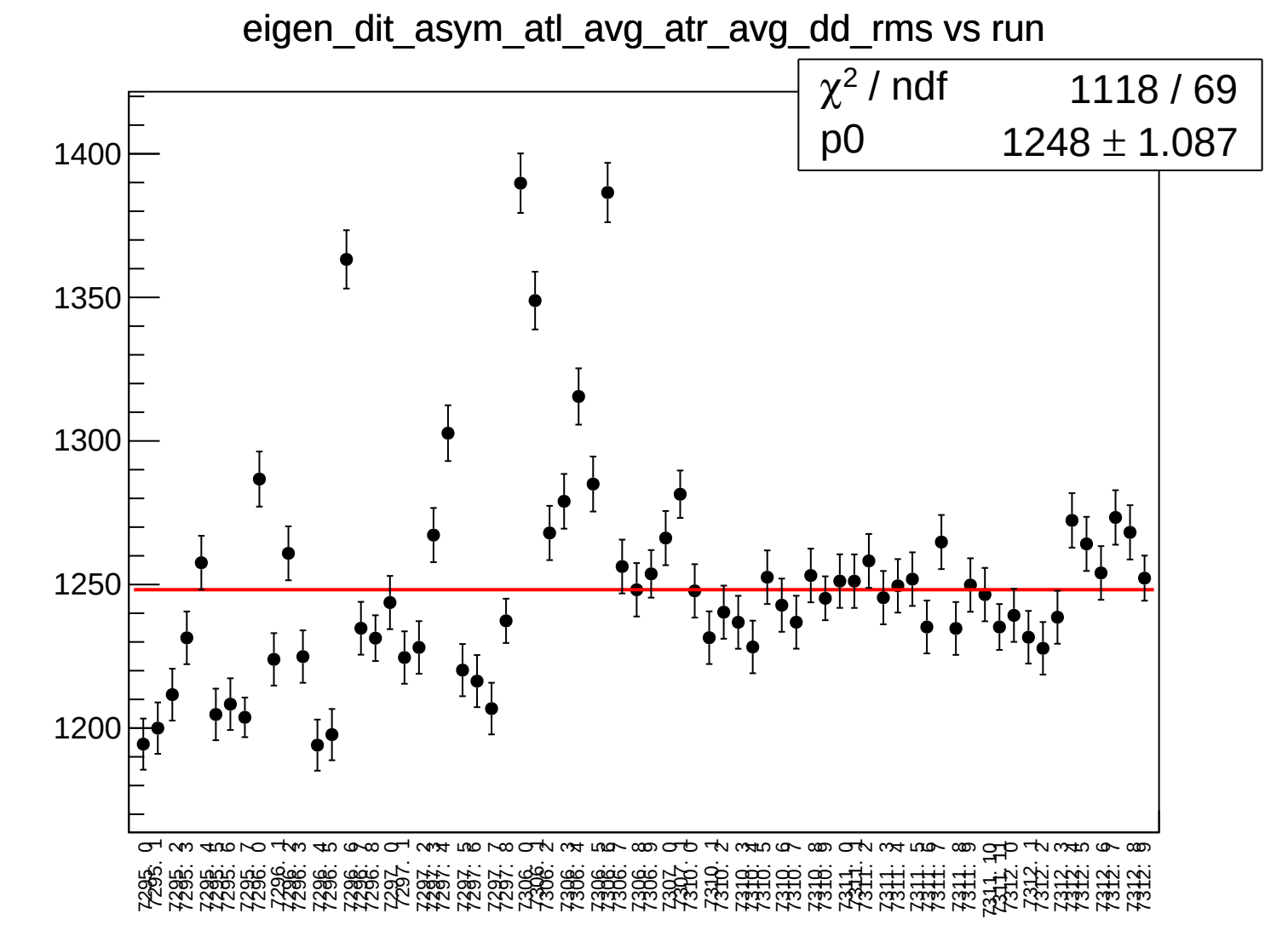

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 77.69 / 69
p0 −259 ± 169.3
pull
Entries 70
Mean 302.3
Std Dev 0

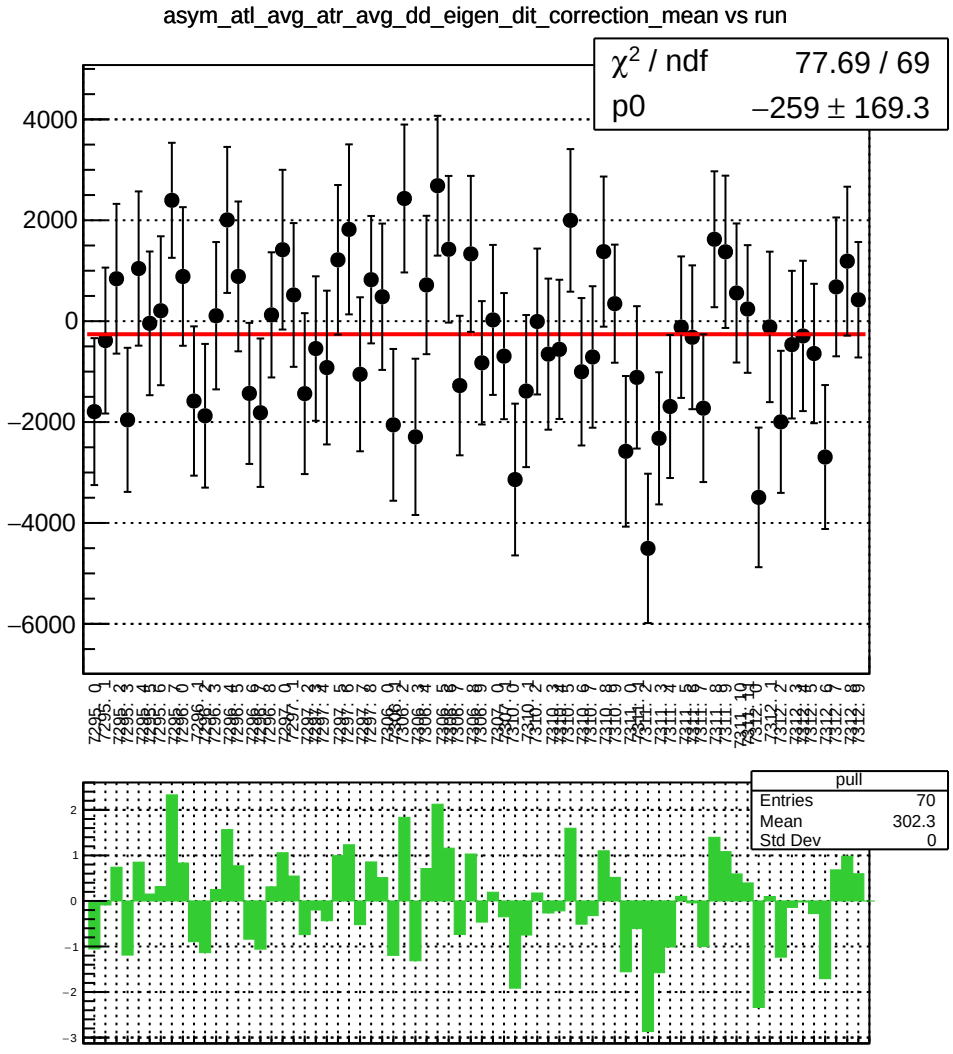

pull1D
Entries 70
Mean −0.01219
Std Dev 1.053

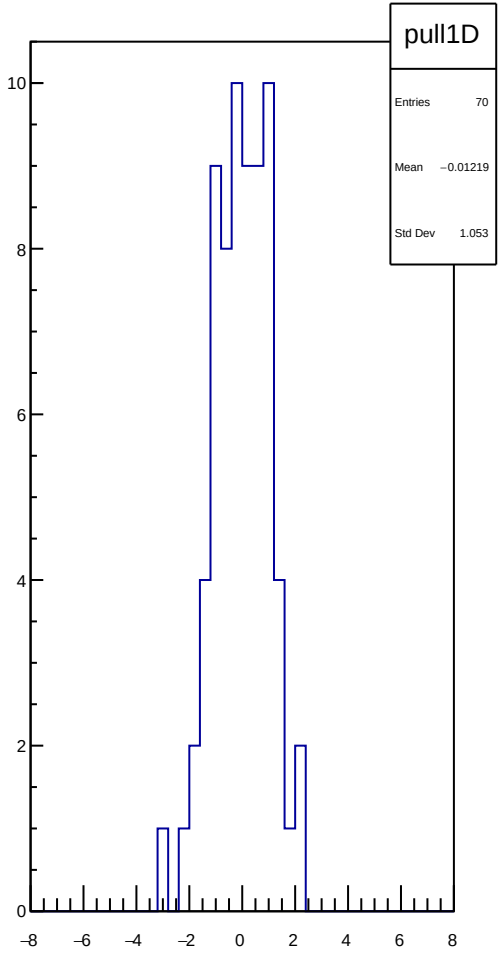

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 2288 / 69
p0 137.4 ± 0.1197
160
155
150
145
140
135
130
125
120

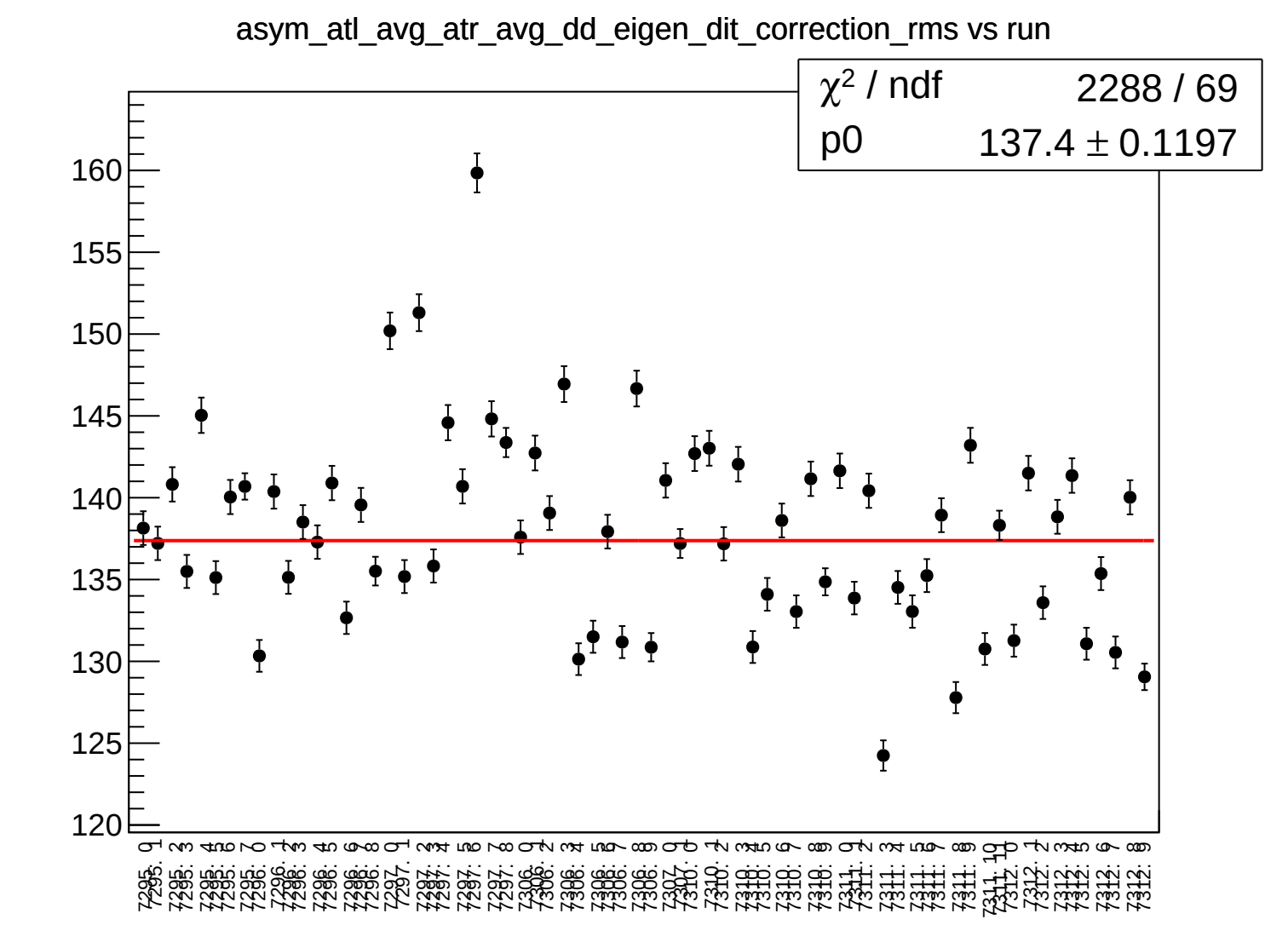

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.05 / 69
p0 −771 ± 1538
pull
Entries 70
Mean 321
Std Dev 0

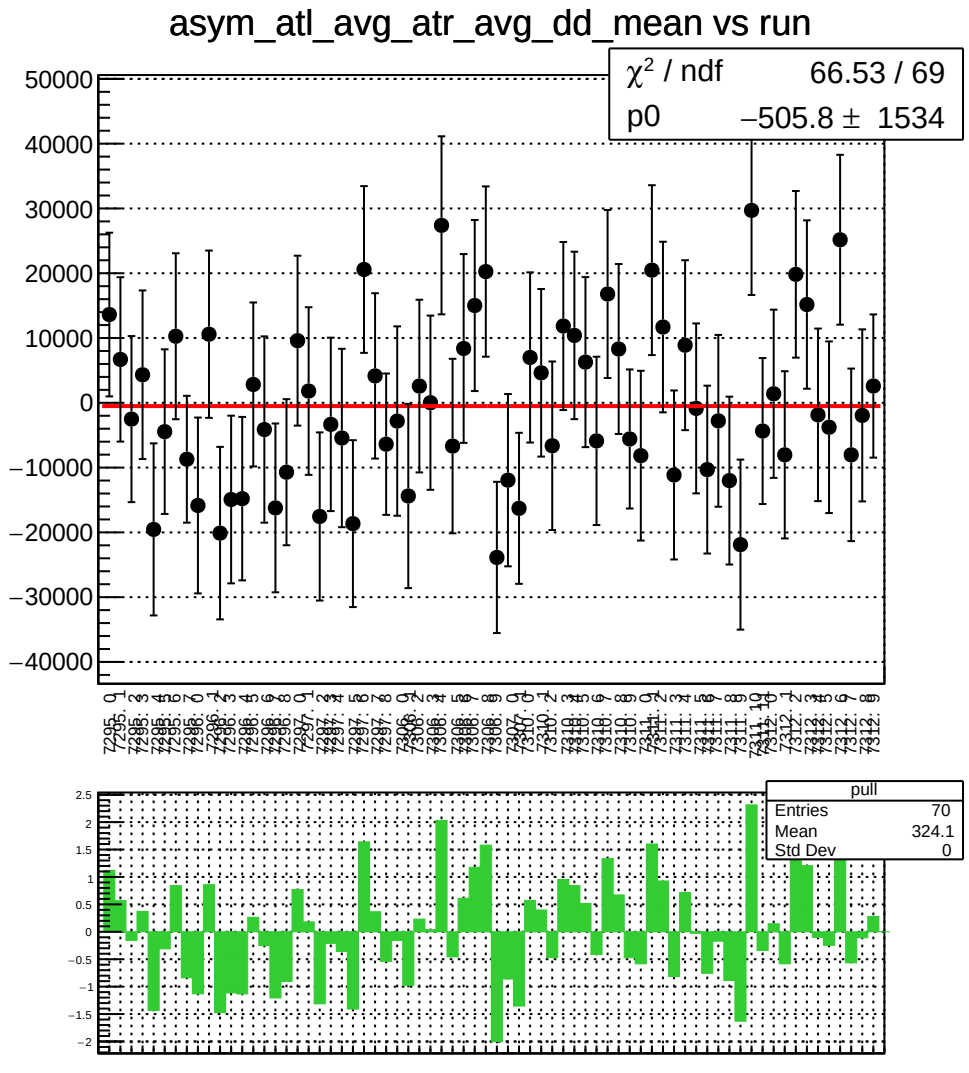

pull1D
Entries 70
Mean 0.01165
Std Dev 0.9639

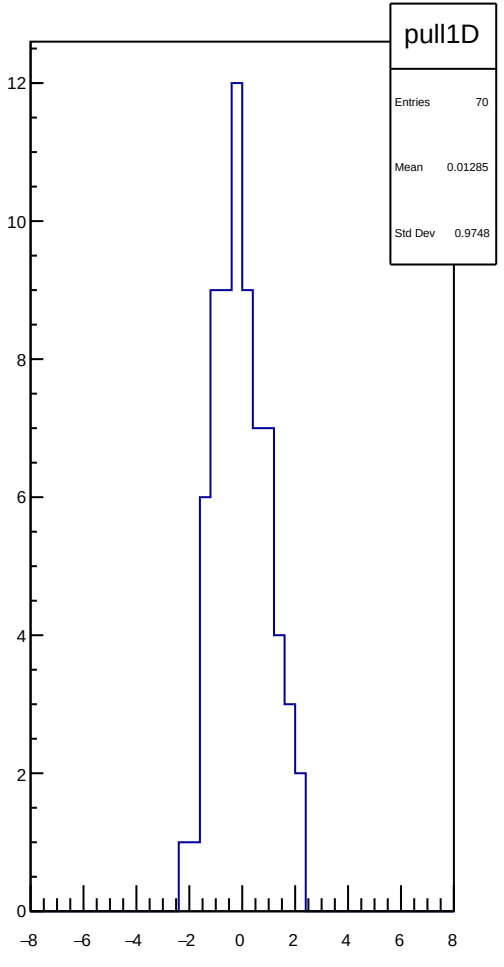

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1118 / 69
p0 1248 ± 1.087
1400
1350
1300
1250
1200

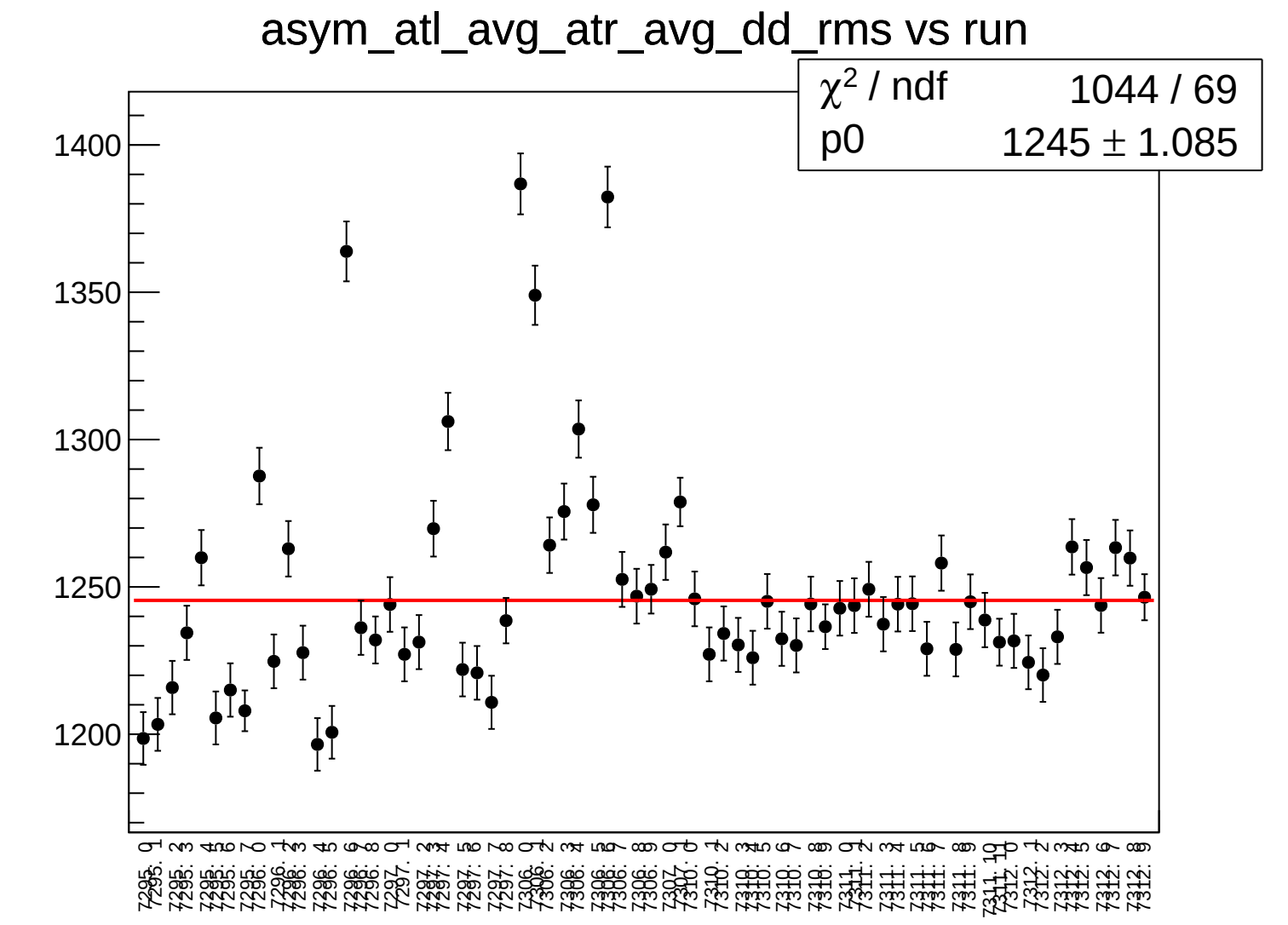

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.69 / 69
p0 −259 ± 169.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 302.3
Std Dev 0
2
1
0
−1
−2
−3

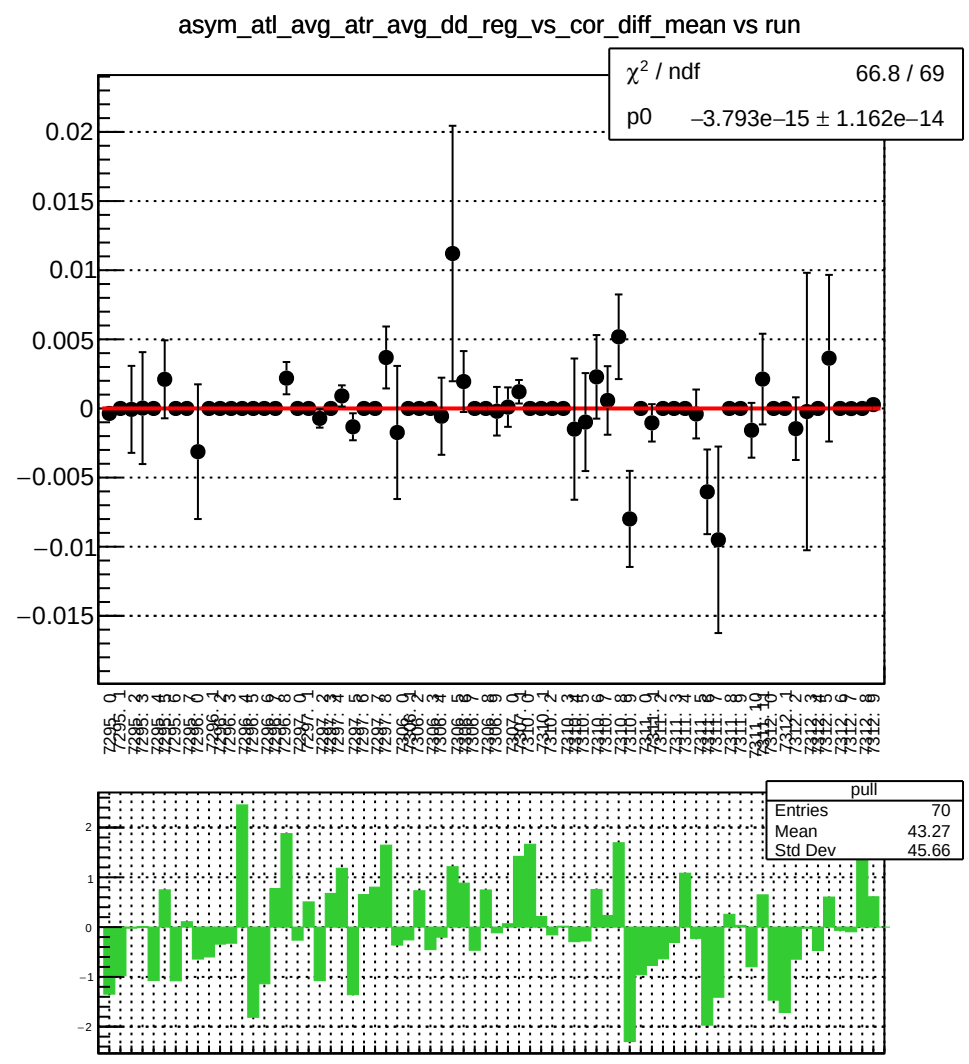

pull1D
Entries 70
Mean −0.01219
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

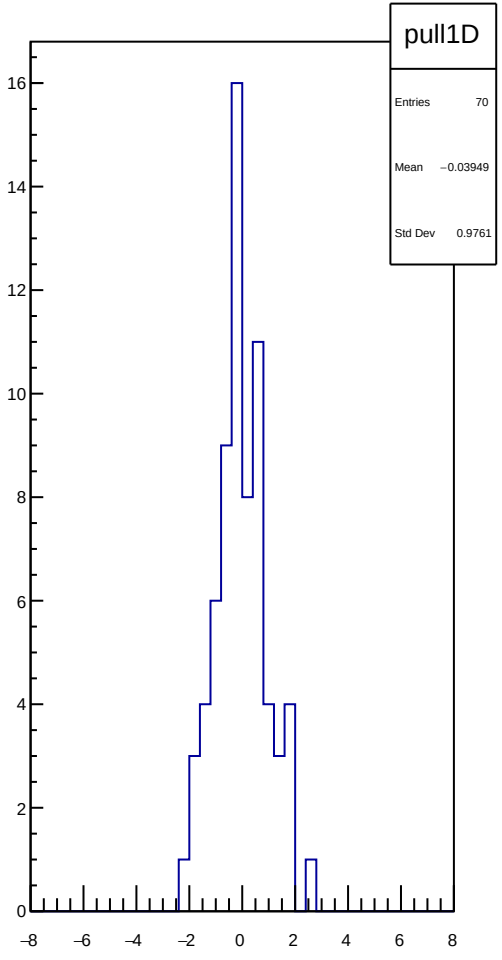

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2288 / 69
p0 137.4 ± 0.1197
160
155
150
145
140
135
130
125
120

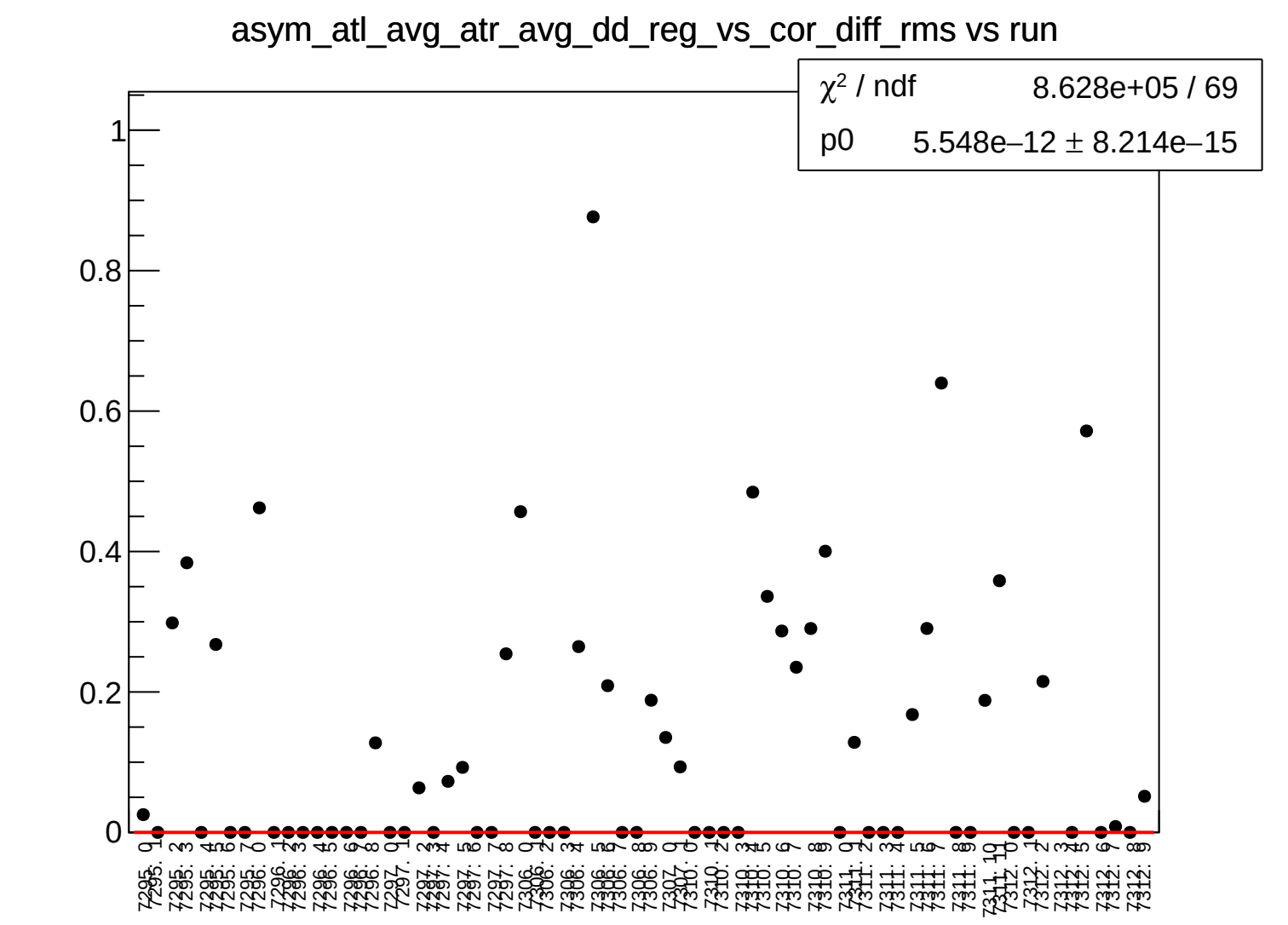

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.53 / 69
p0 −505.8 ± 1534
pull
Entries 70
Mean 324.1
Std Dev 0

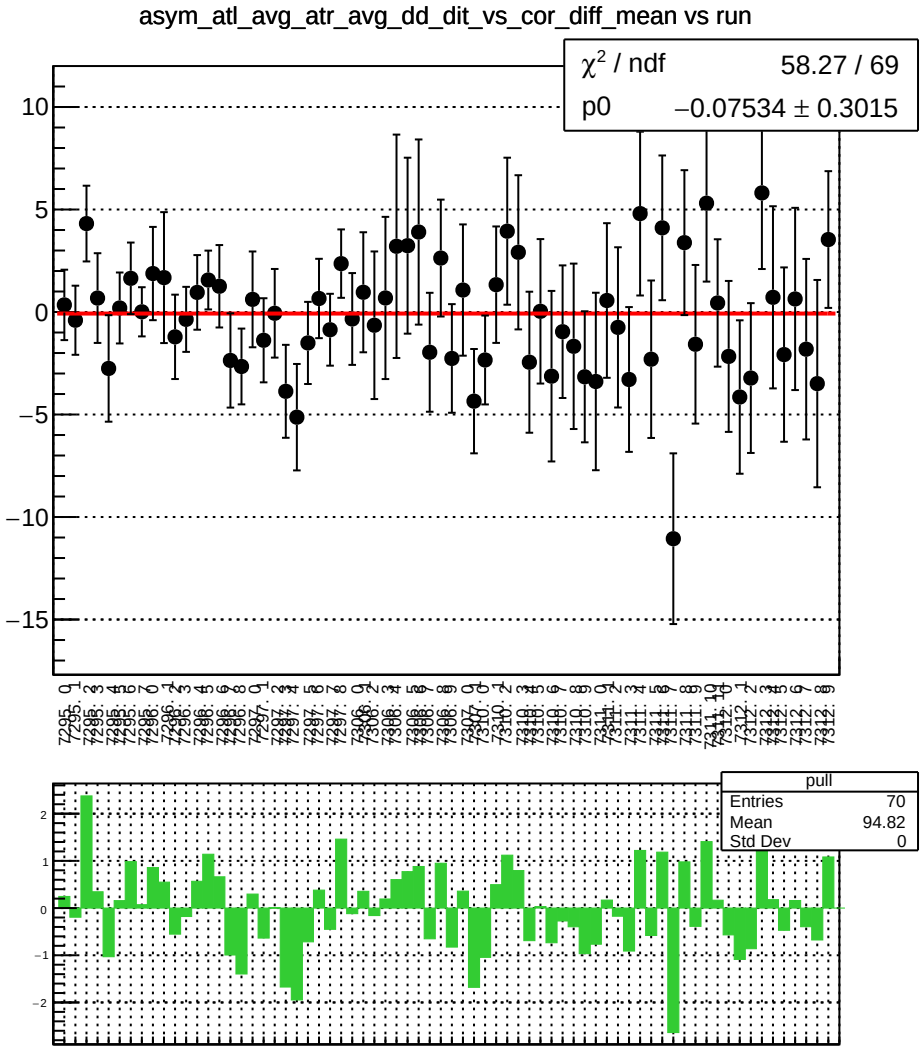

pull1D
Entries 70
Mean 0.01285
Std Dev 0.9748

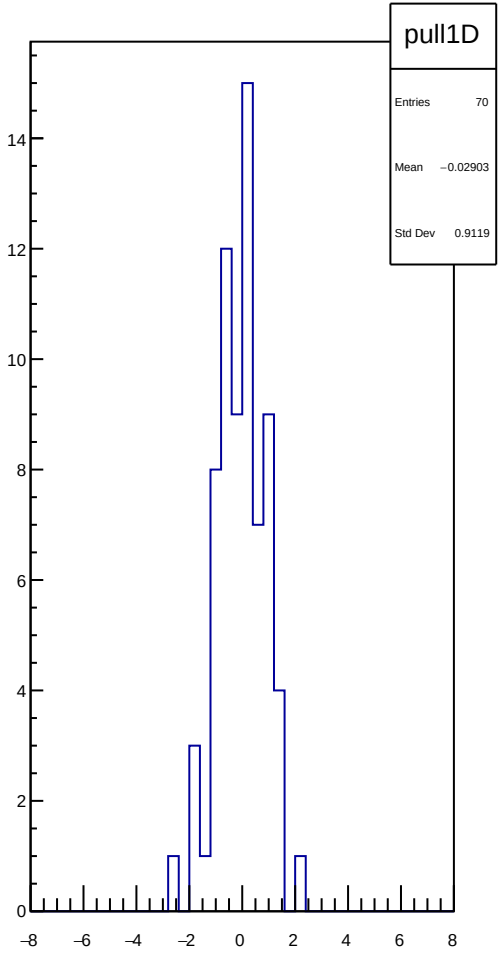

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1044 / 69
p0 1245 ± 1.085
1400
1350
1300
1250
1200

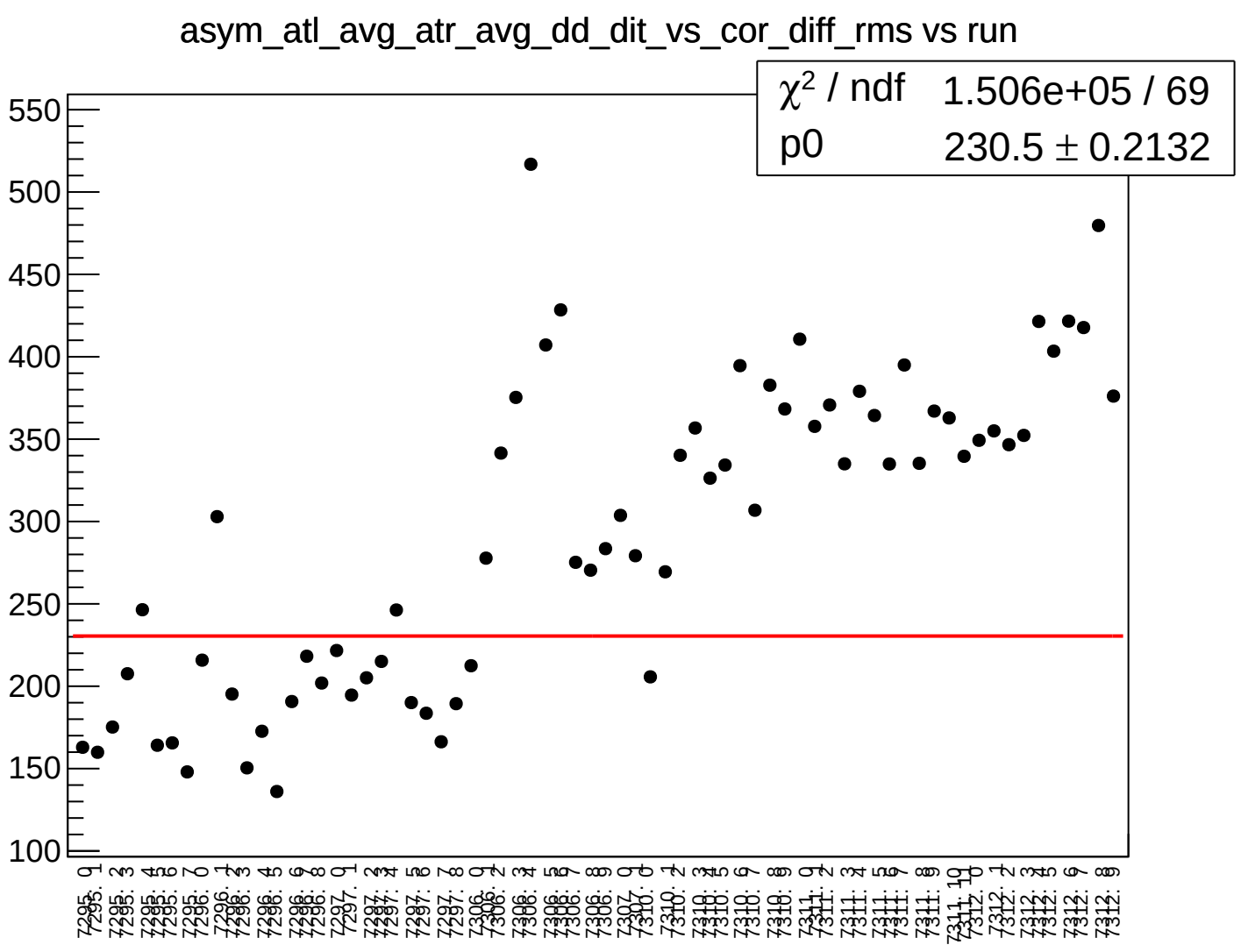

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 69
p0 −3.793e−15 ± 1.162e−14
pull
Entries 70
Mean 43.27
Std Dev 45.66

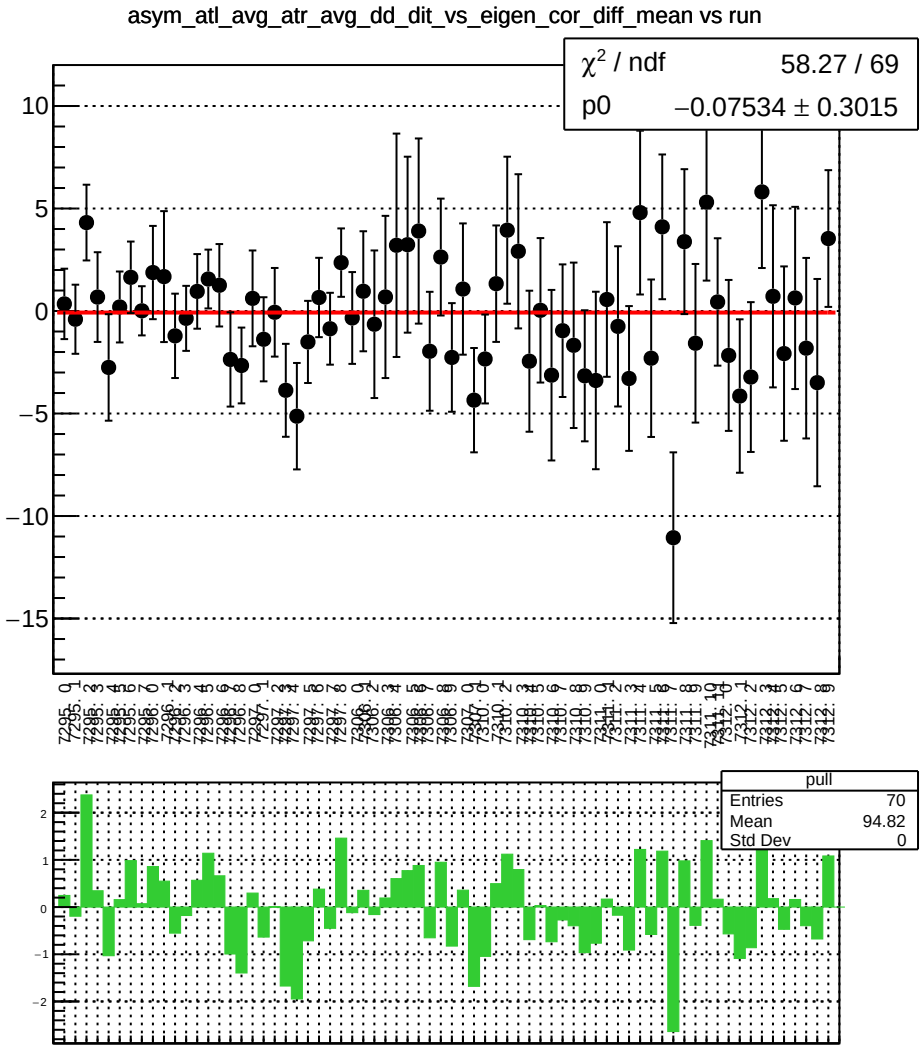

pull1D
Entries 70
Mean −0.03949
Std Dev 0.9761

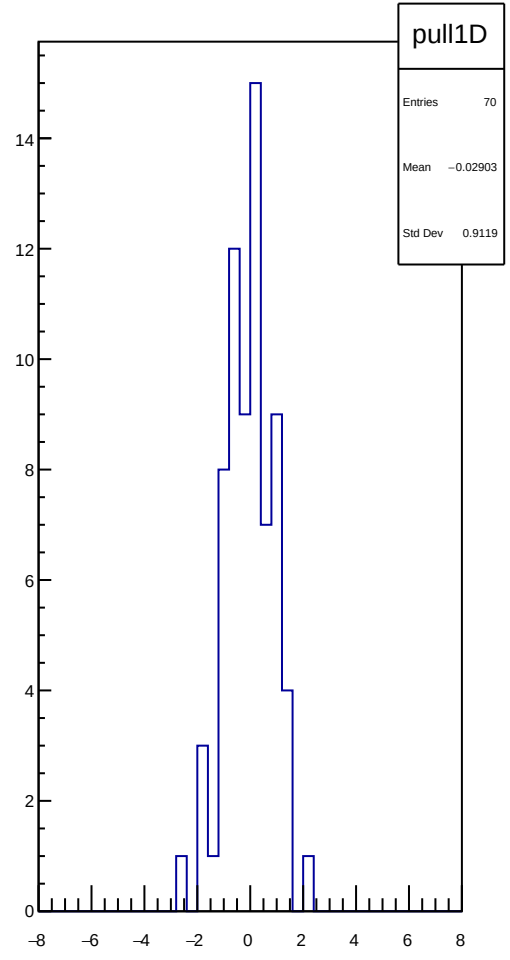

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.628e+05 / 69
p0 5.548e−12 ± 8.214e−15
1
0.8
0.6
0.4
0.2
0

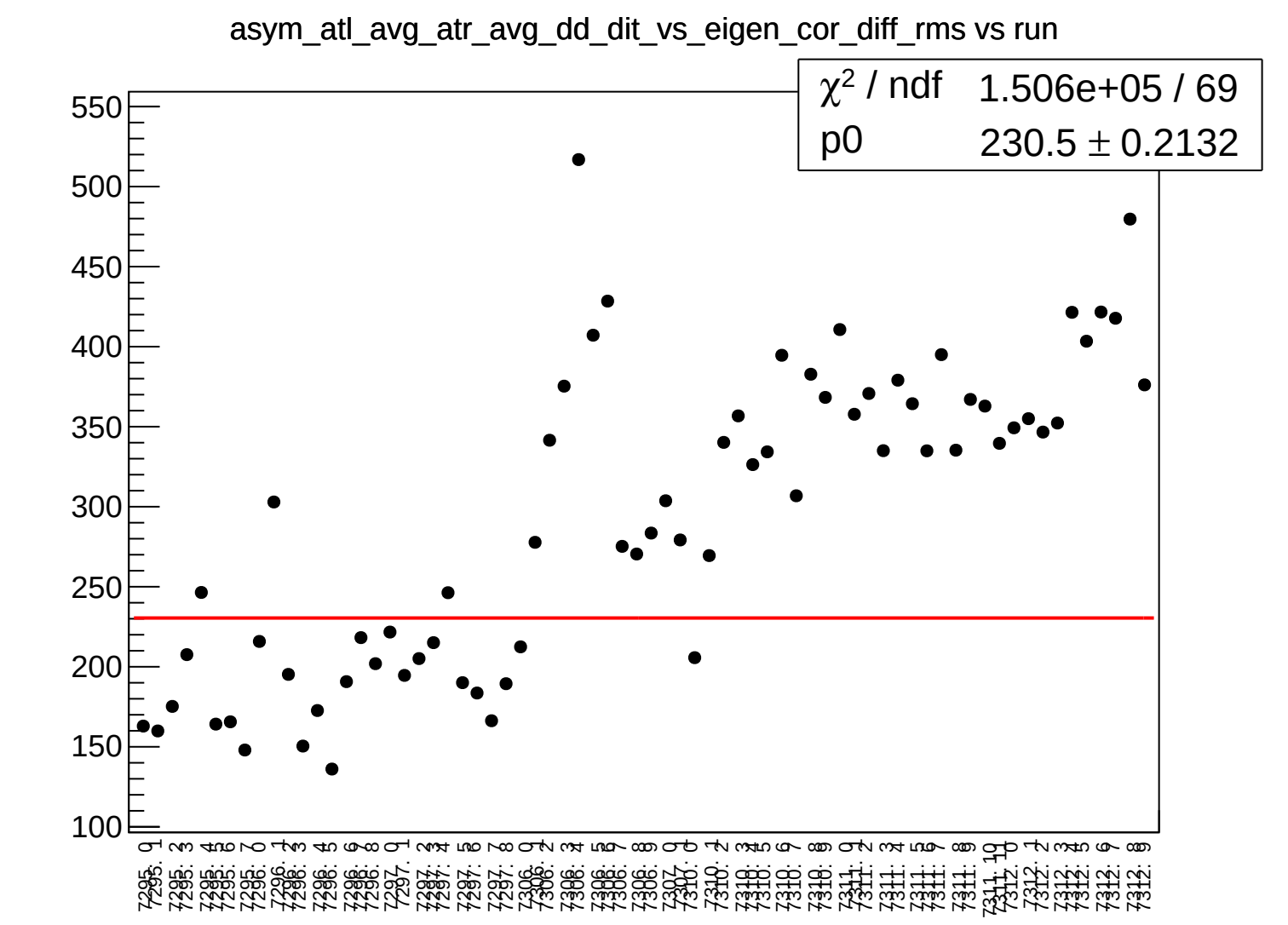

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

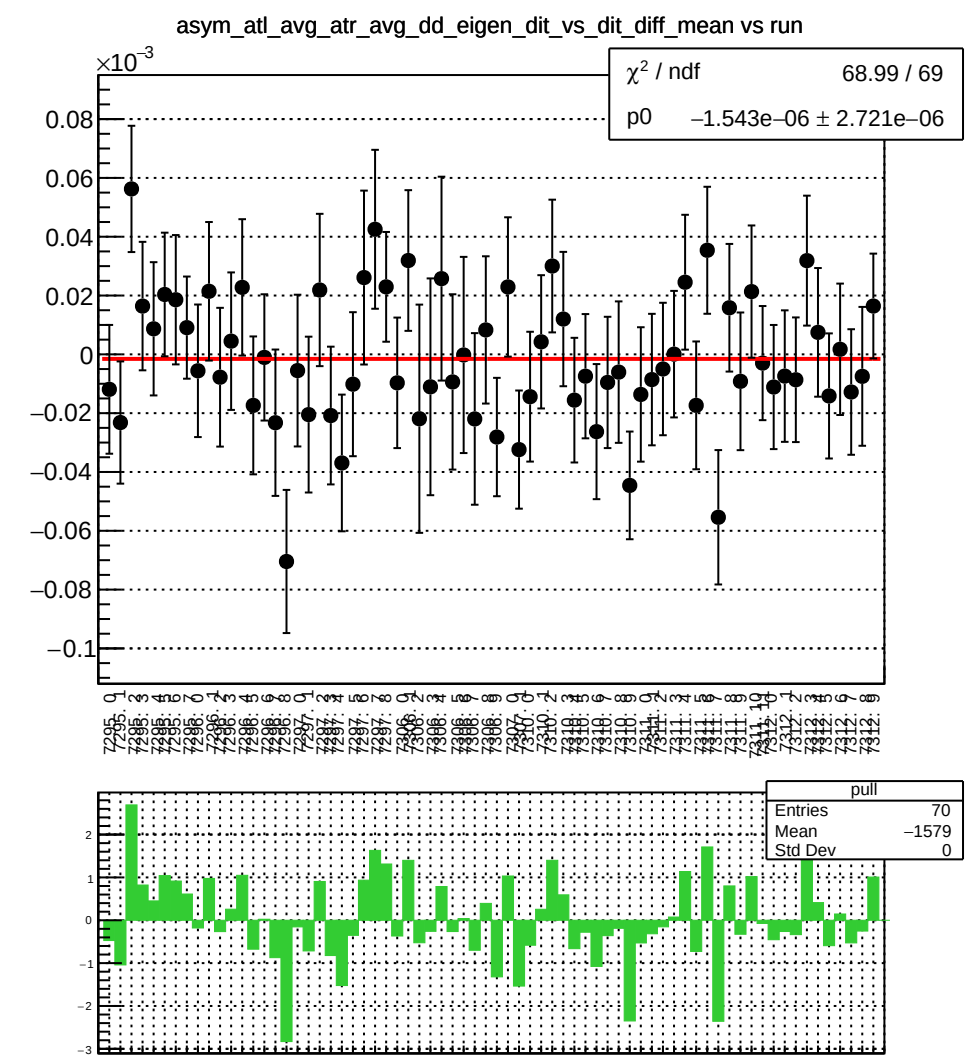

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

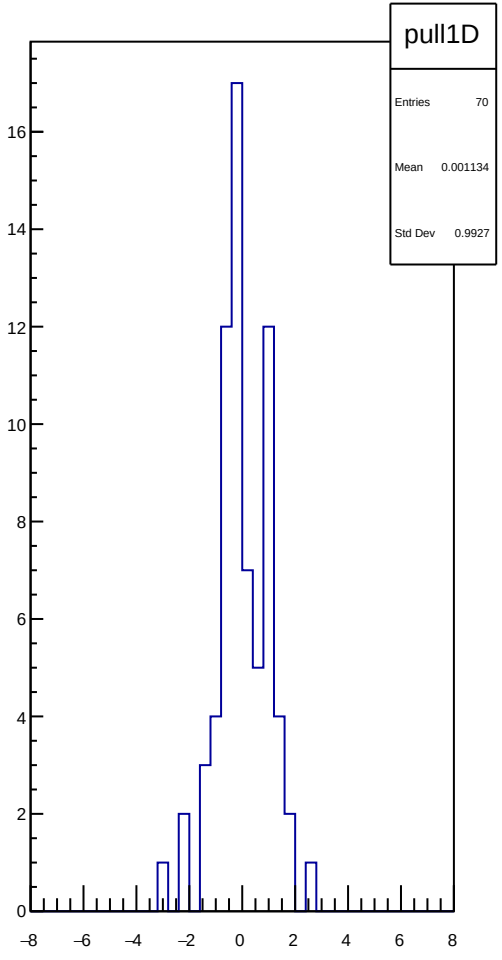

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

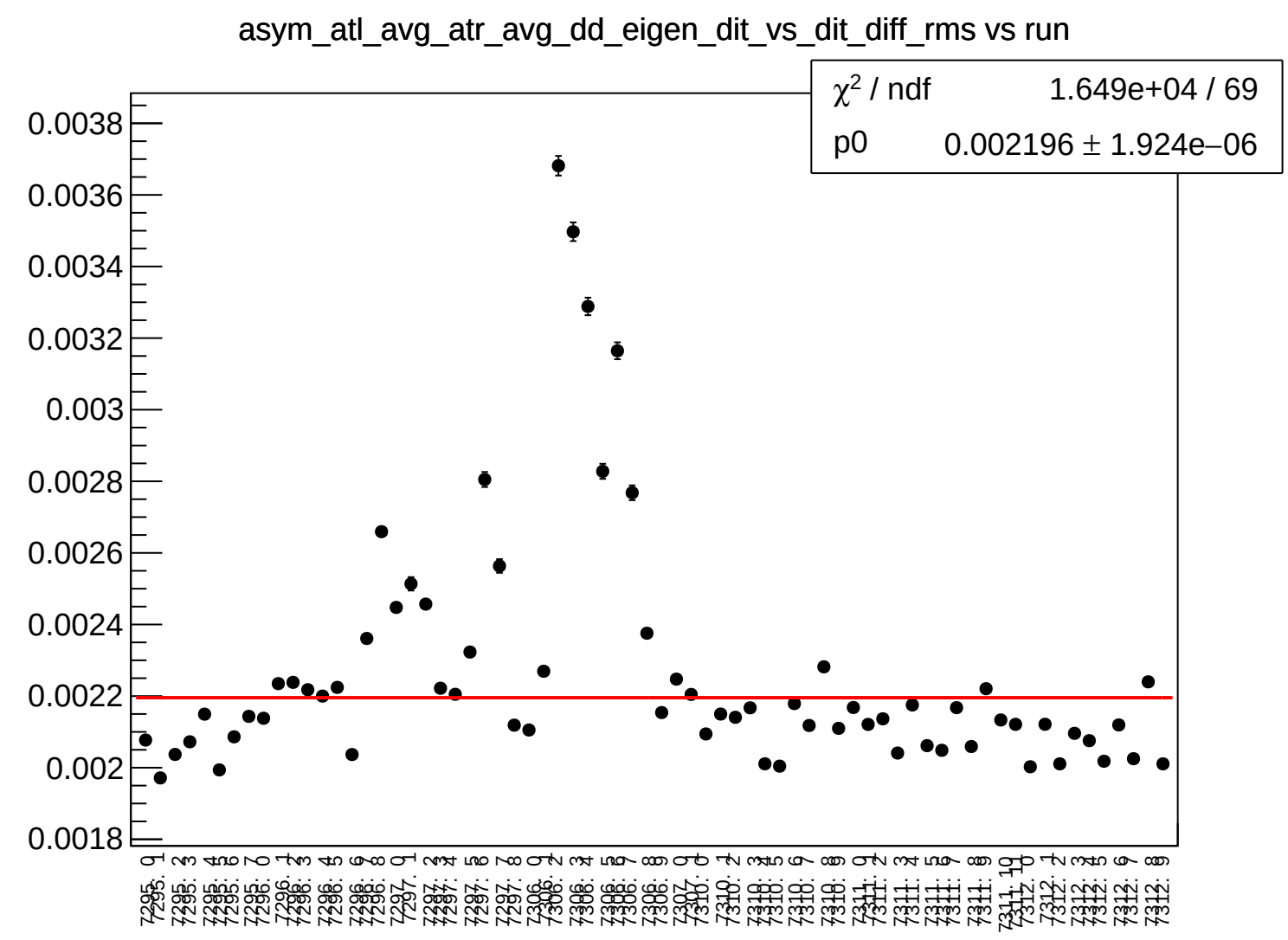

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

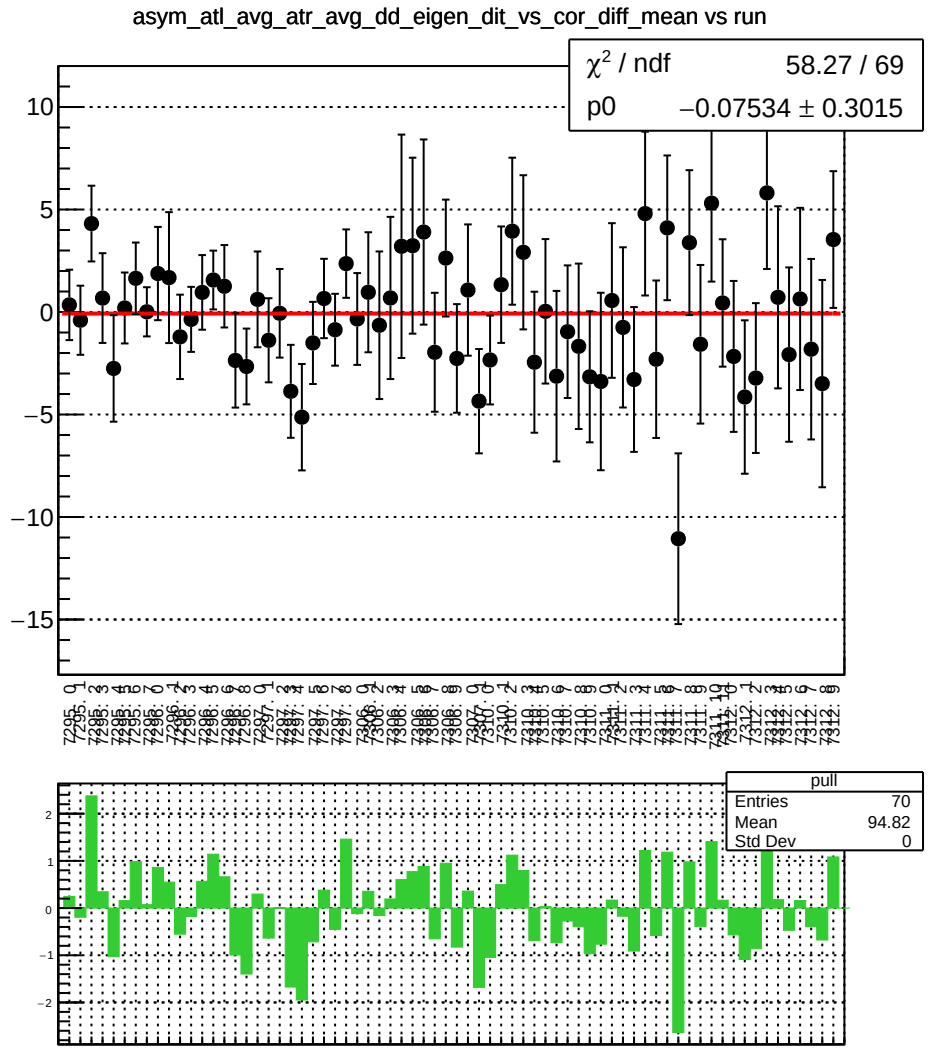

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

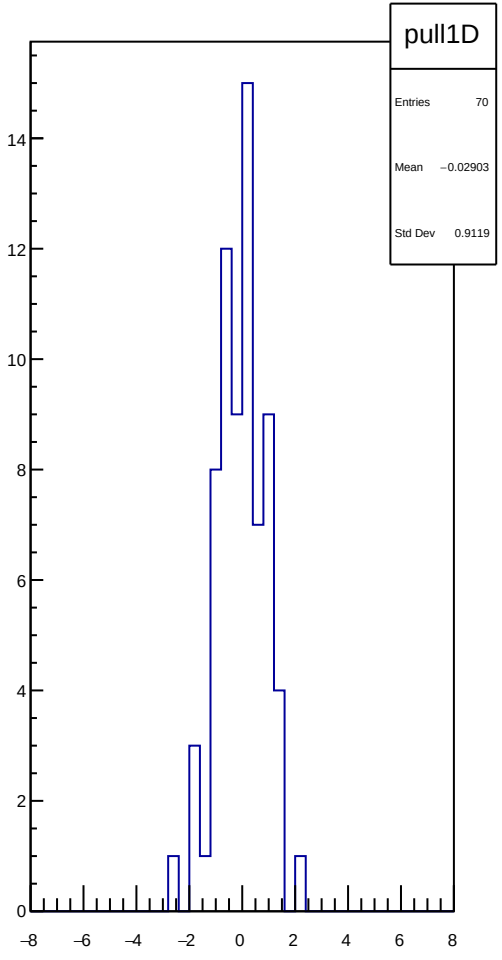

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

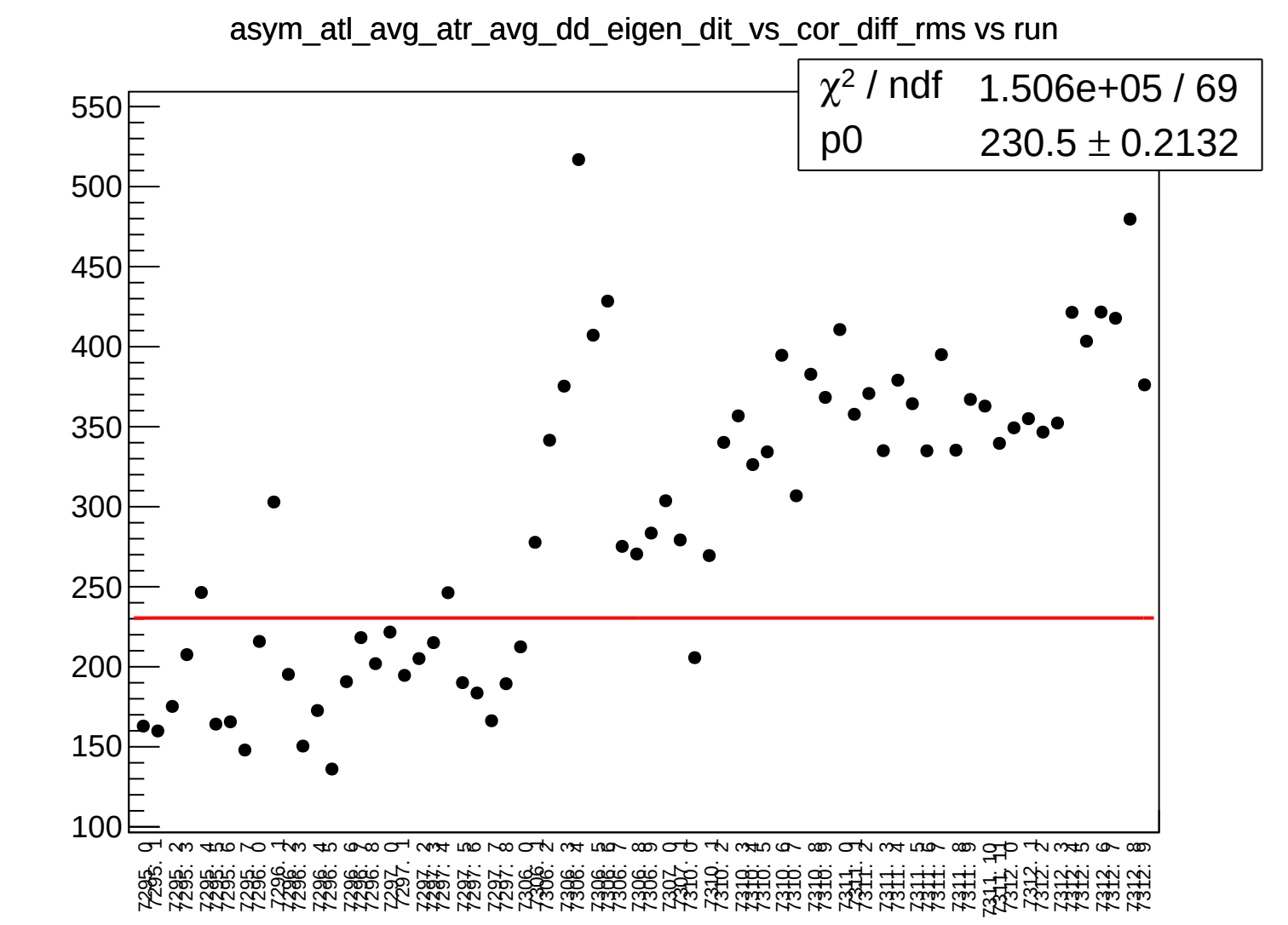

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.99 / 69
p0 −1.543e−06 ± 2.721e−06
pull
Entries 70
Mean −1579
Std Dev 0

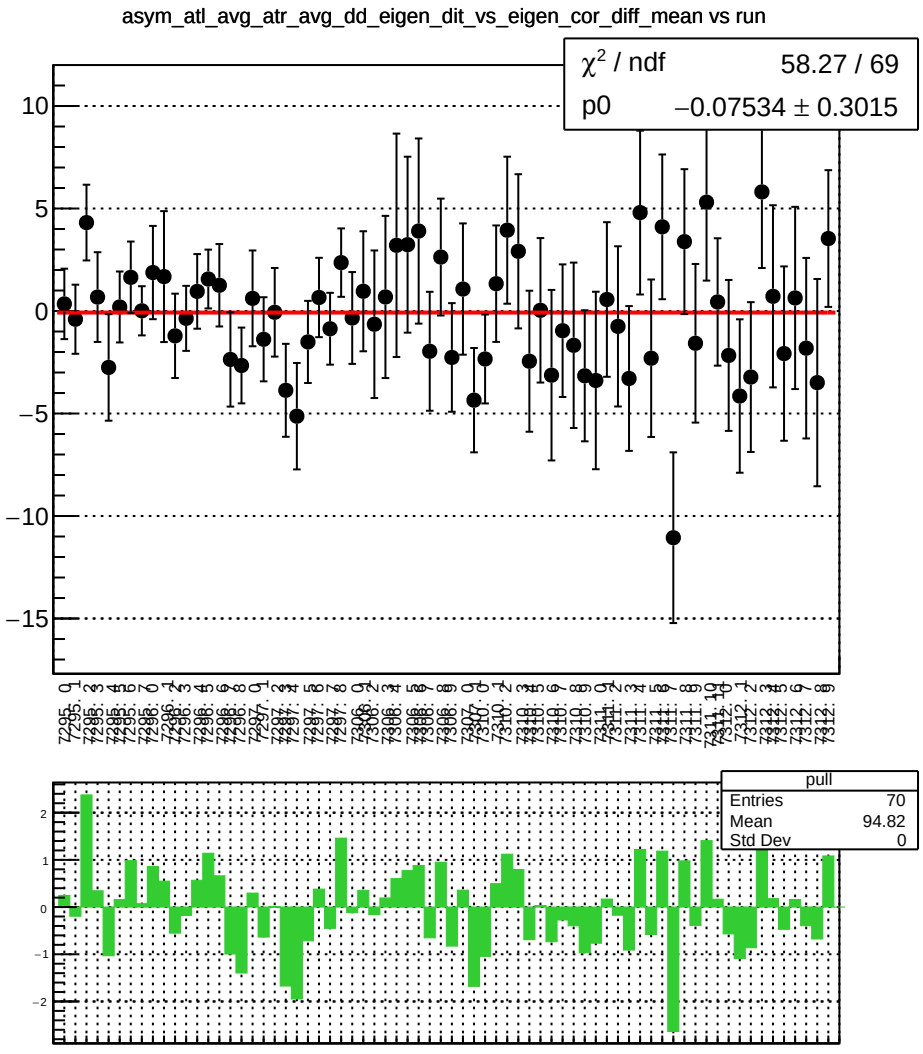

pull1D
Entries 70
Mean 0.001134
Std Dev 0.9927

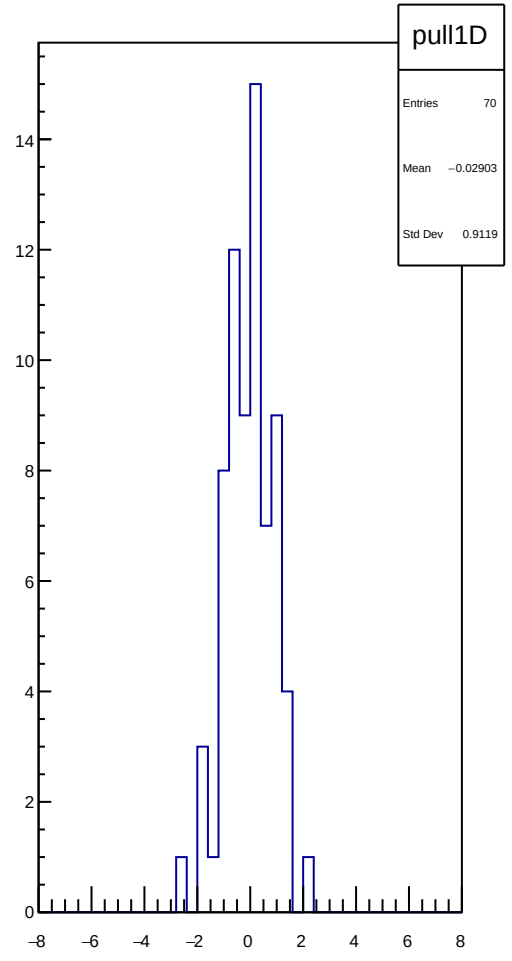

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.649e+04 / 69
p0 0.002196 ± 1.924e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

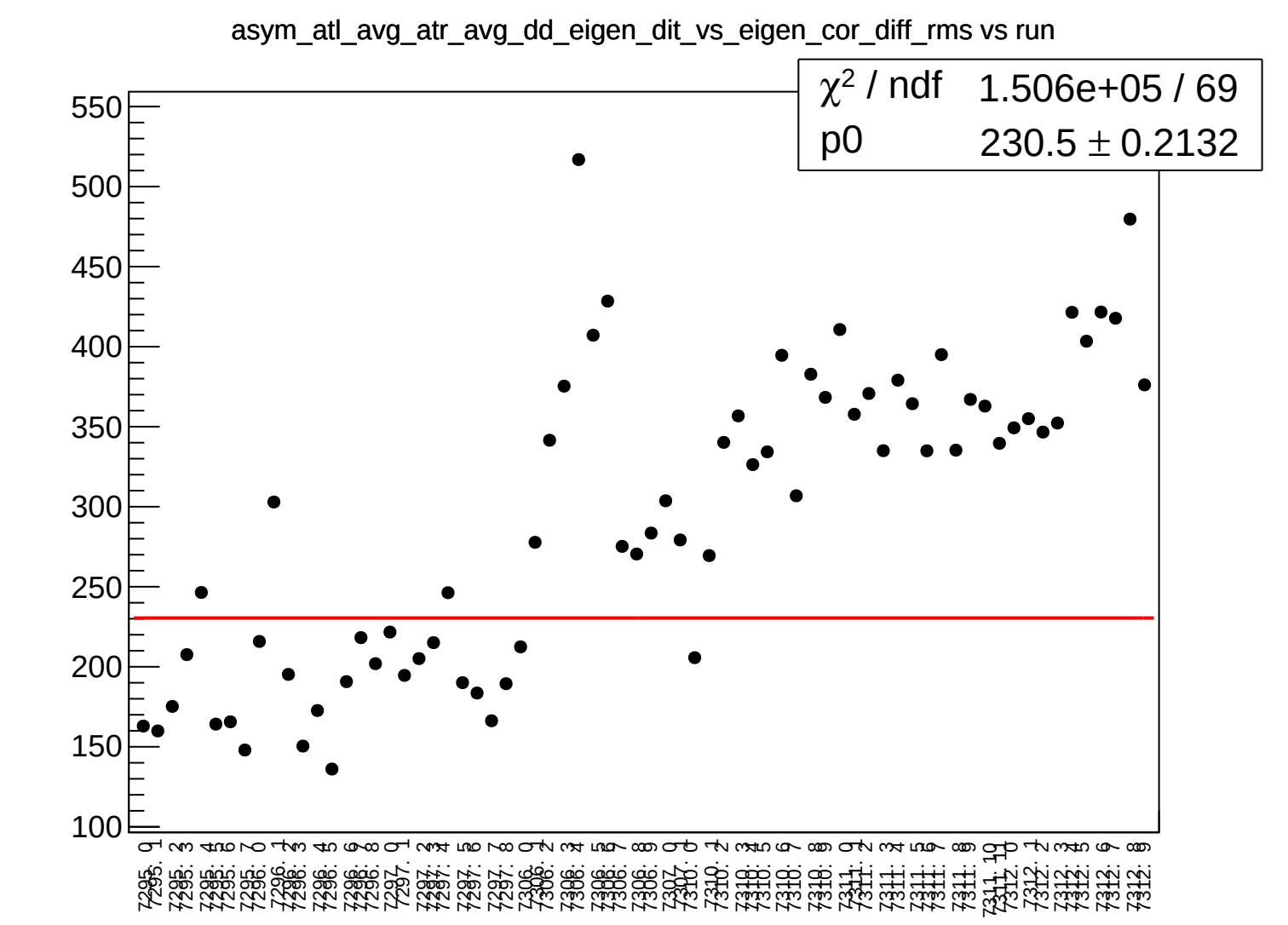

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

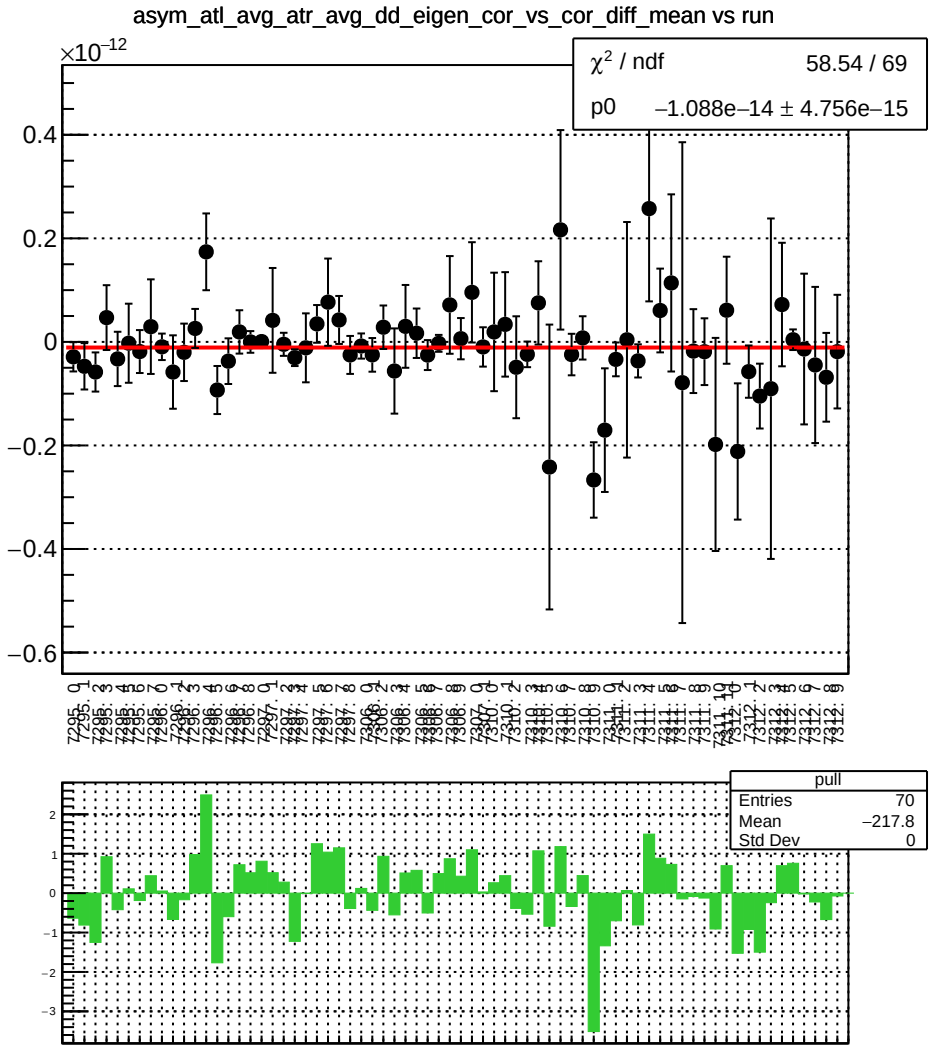

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

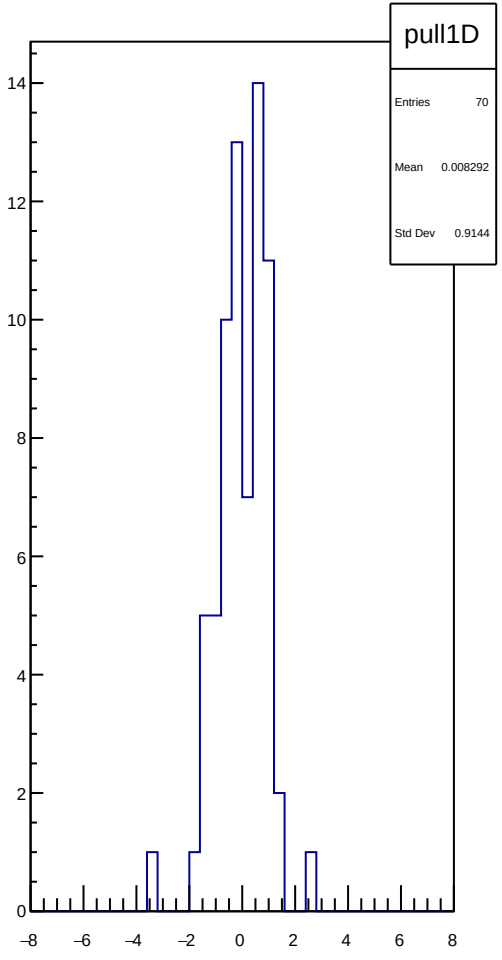

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

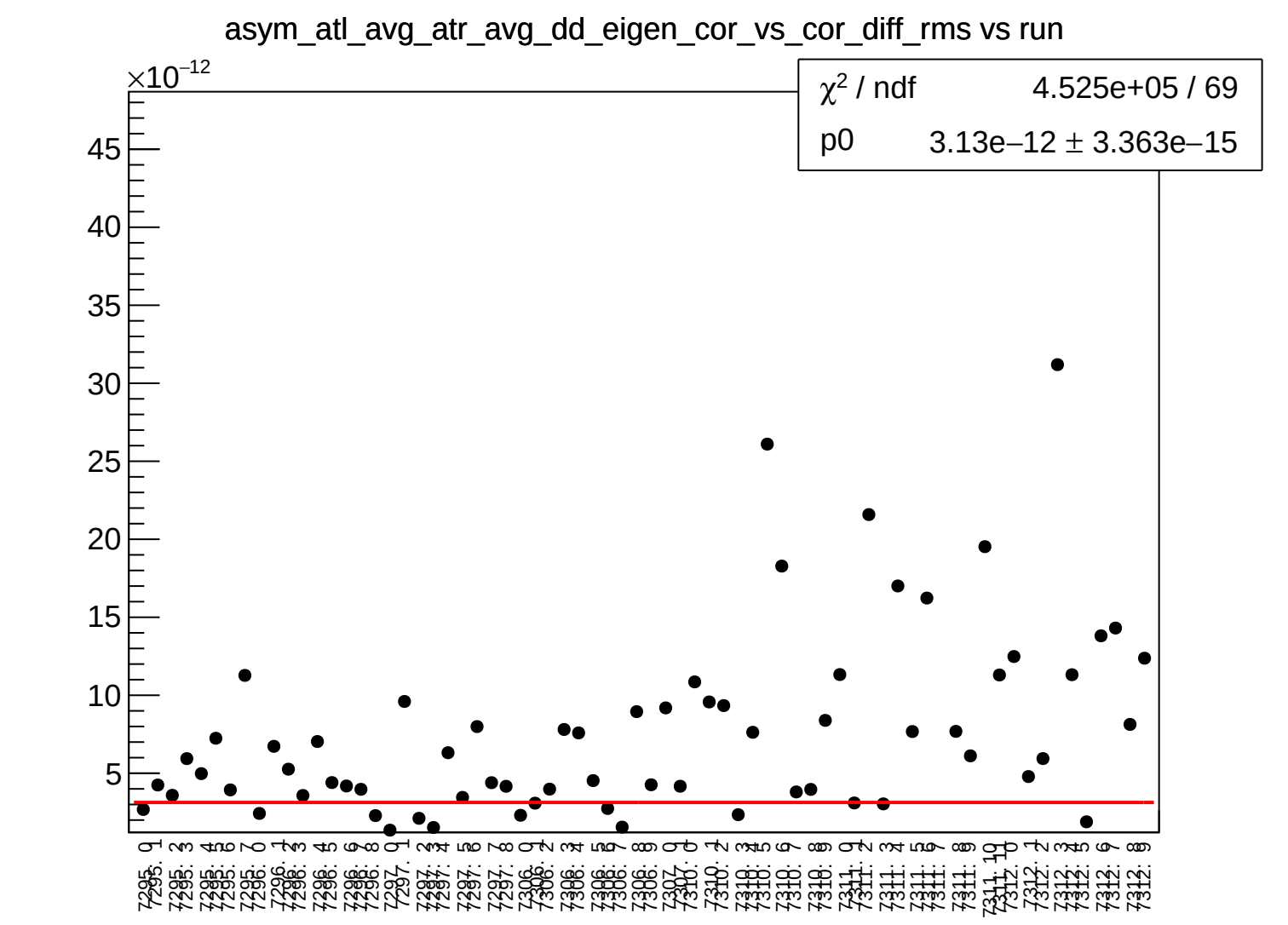

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

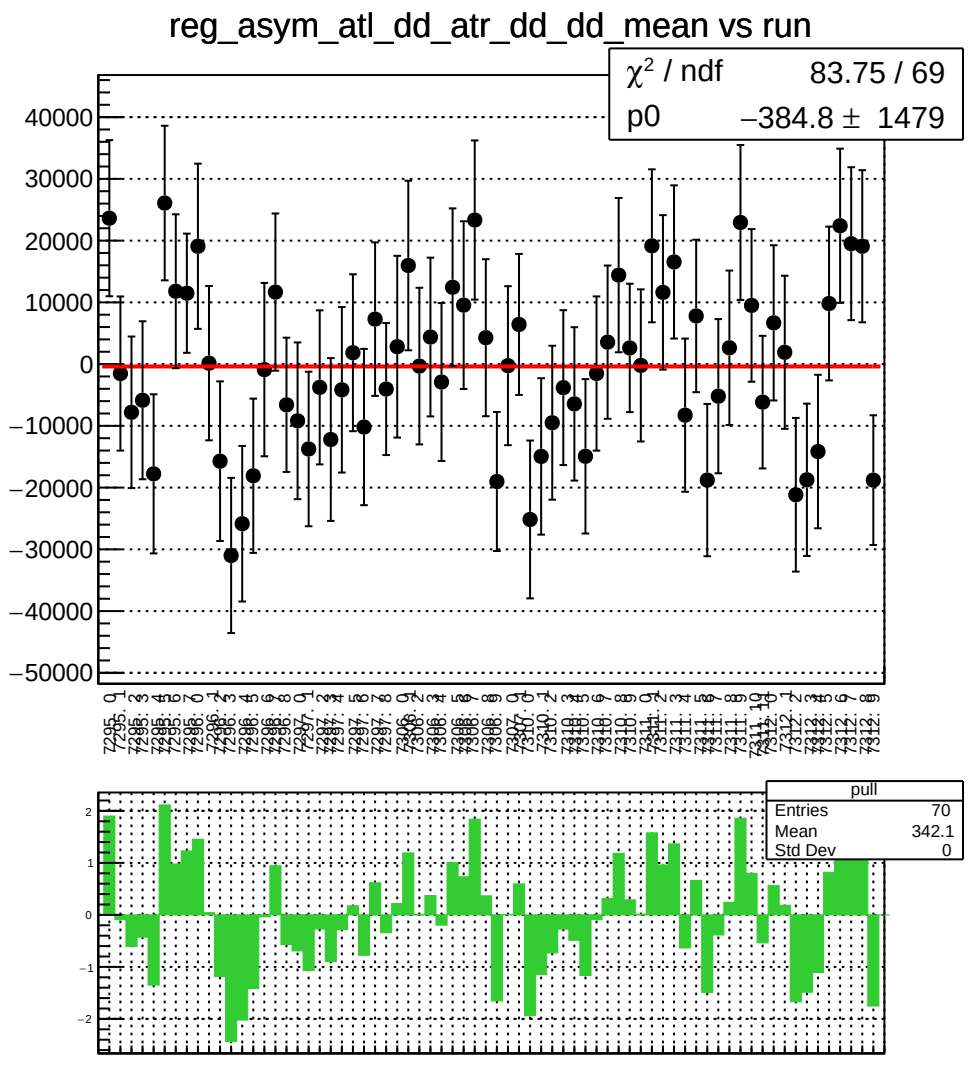

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

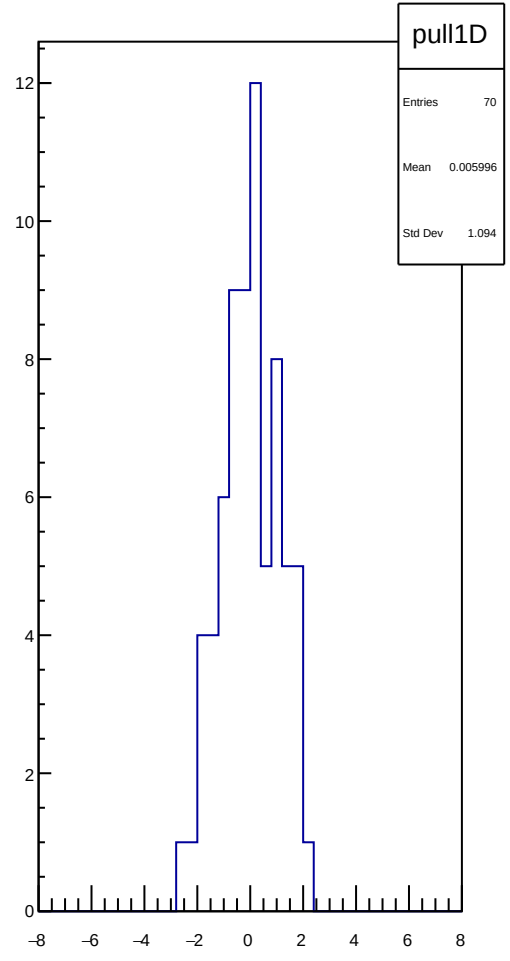

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

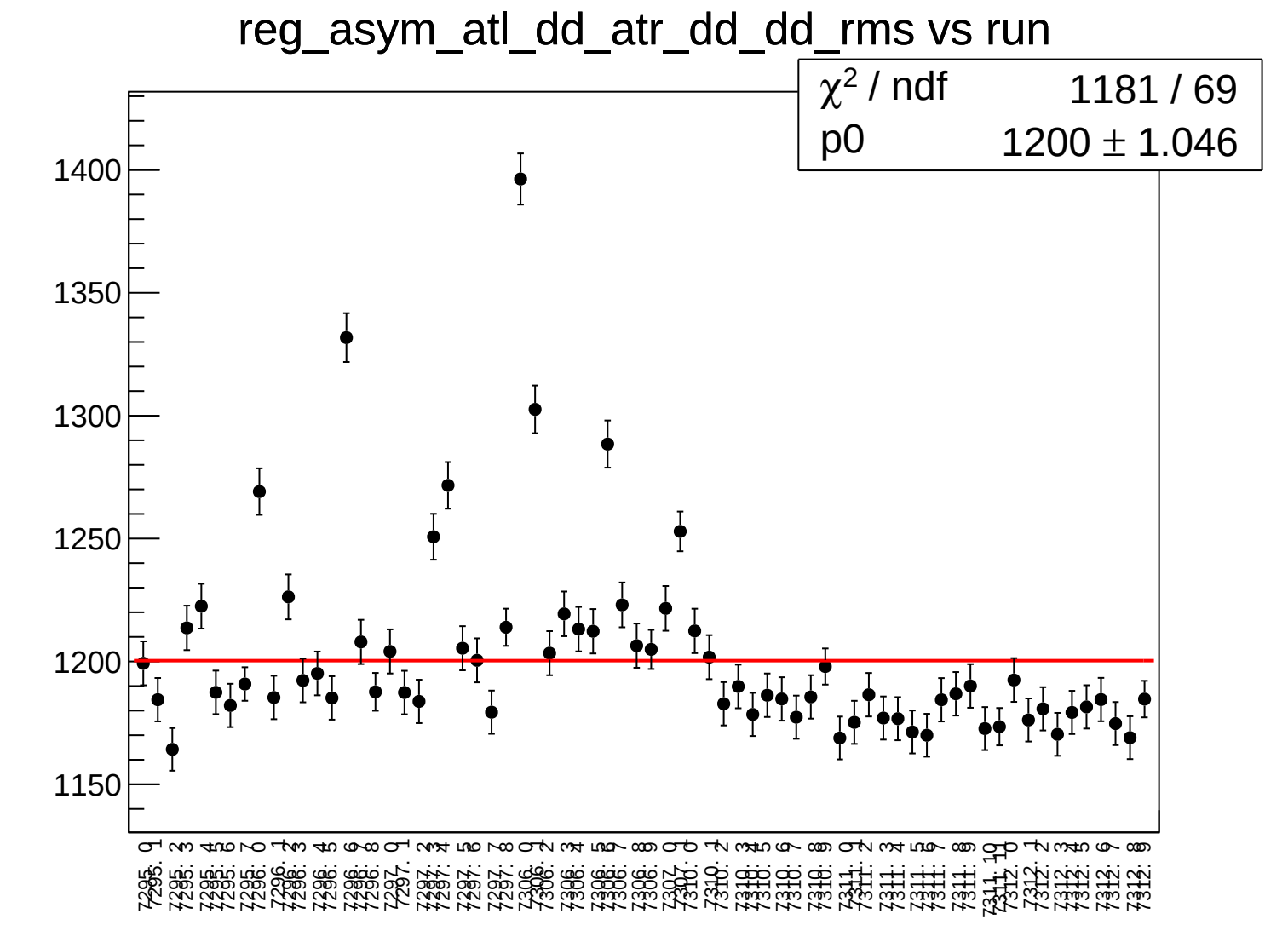

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.54 / 69
p0 −1.088e−14 ± 4.756e−15
pull
Entries 70
Mean −217.8
Std Dev 0

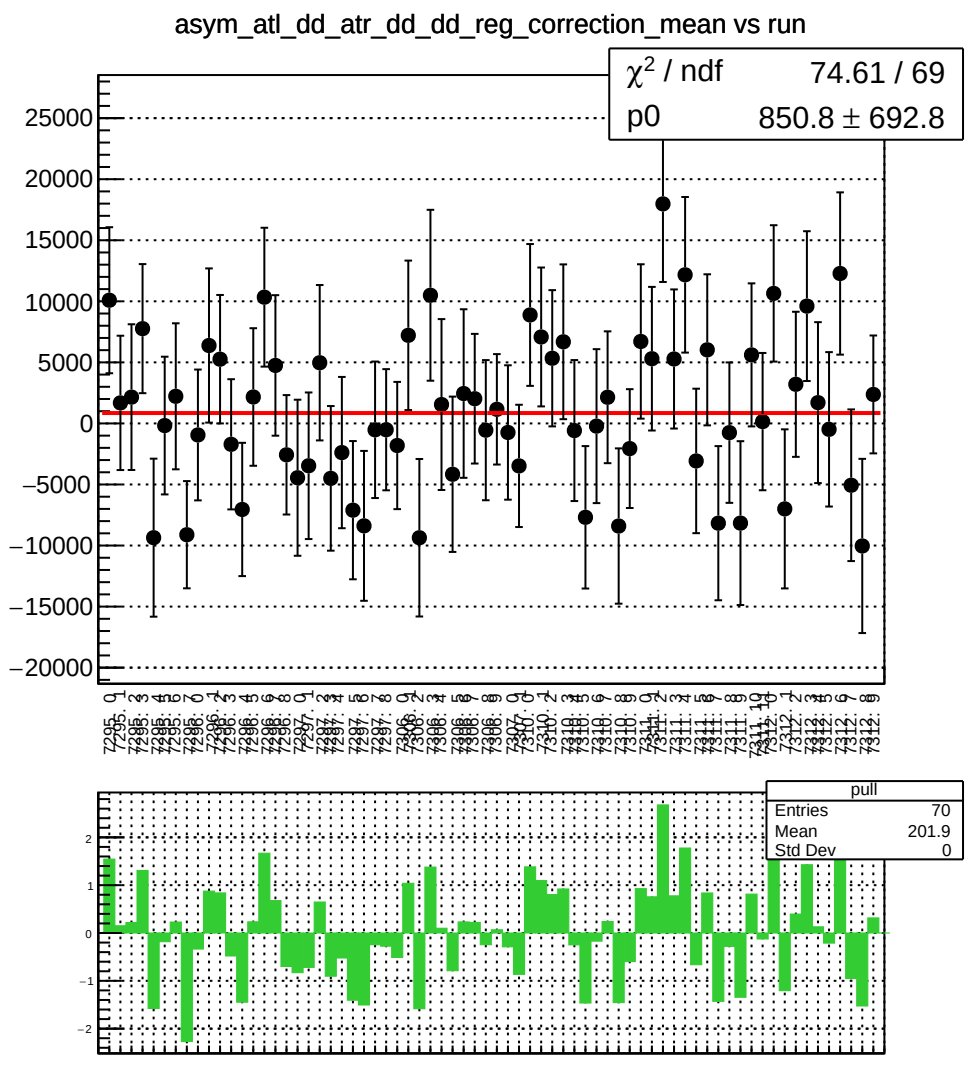

pull1D
Entries 70
Mean 0.008292
Std Dev 0.9144

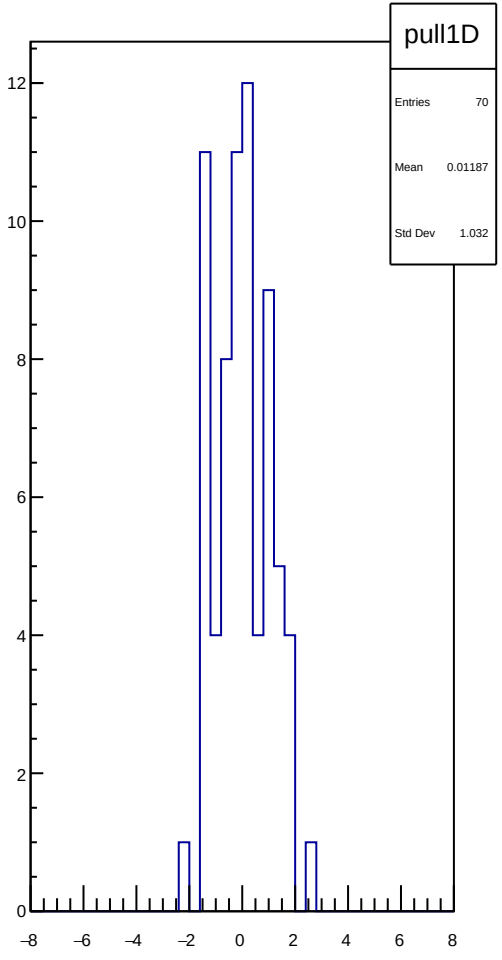

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.525e+05 / 69
p0 3.13e−12 ± 3.363e−15
45
40
35
30
25
20
15
10
5

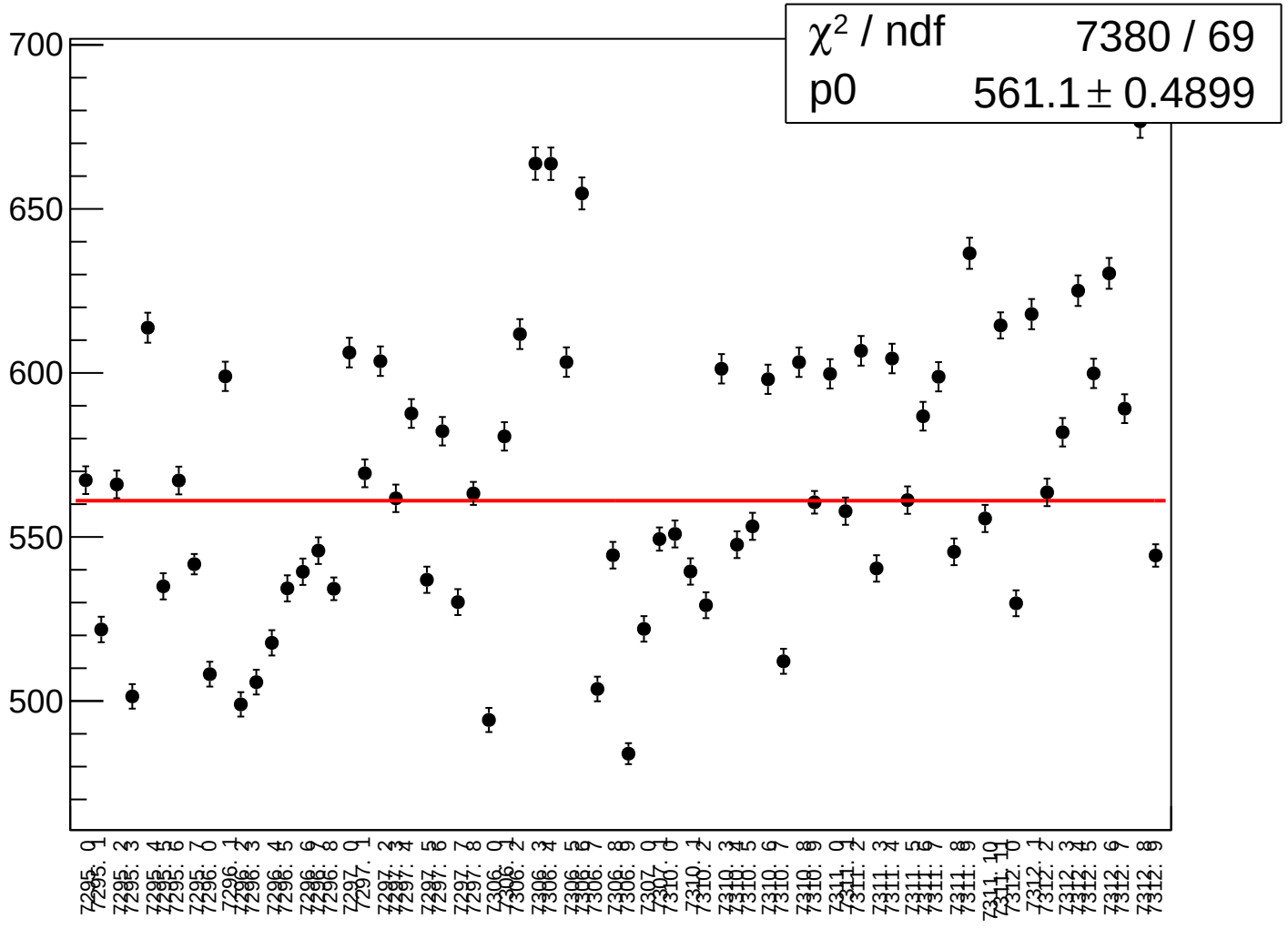

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.1
Std Dev 0

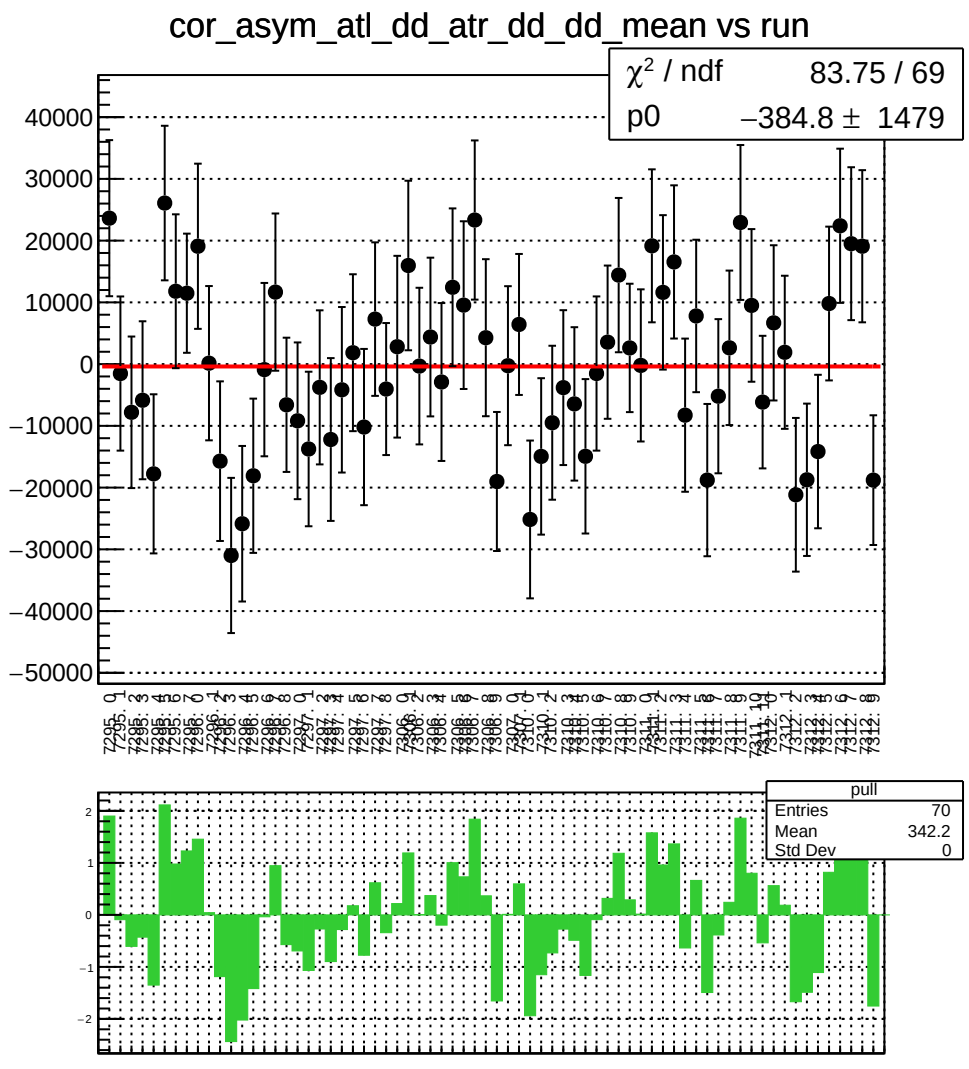

pull1D
Entries 70
Mean 0.005996
Std Dev 1.094

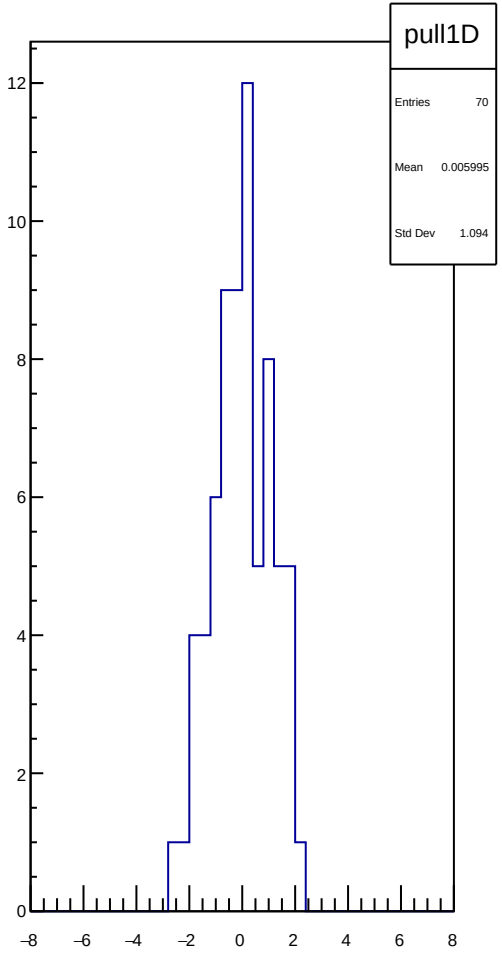

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

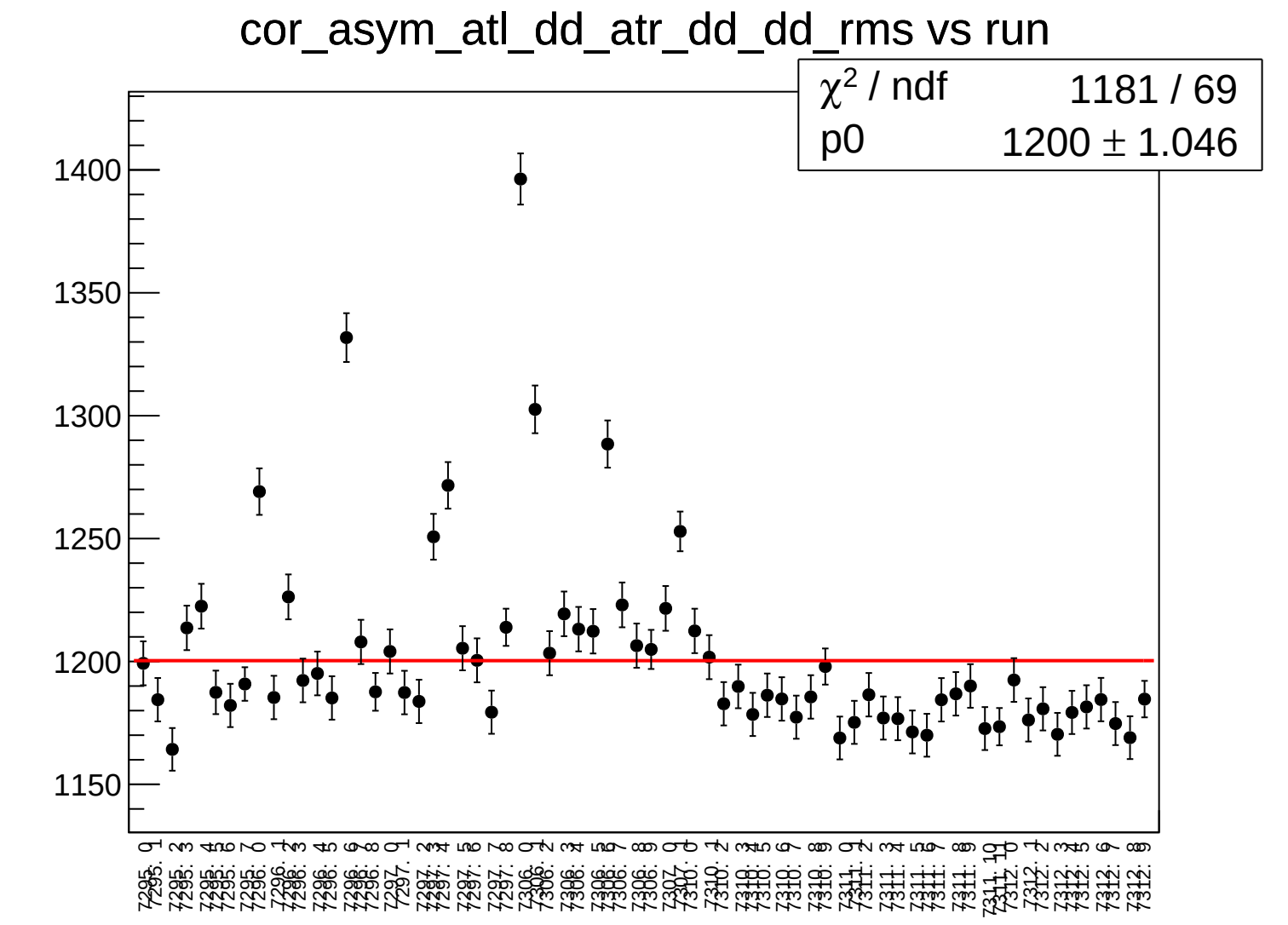

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 74.61 / 69
p0 850.8 ± 692.8
pull
Entries 70
Mean 201.9
Std Dev 0

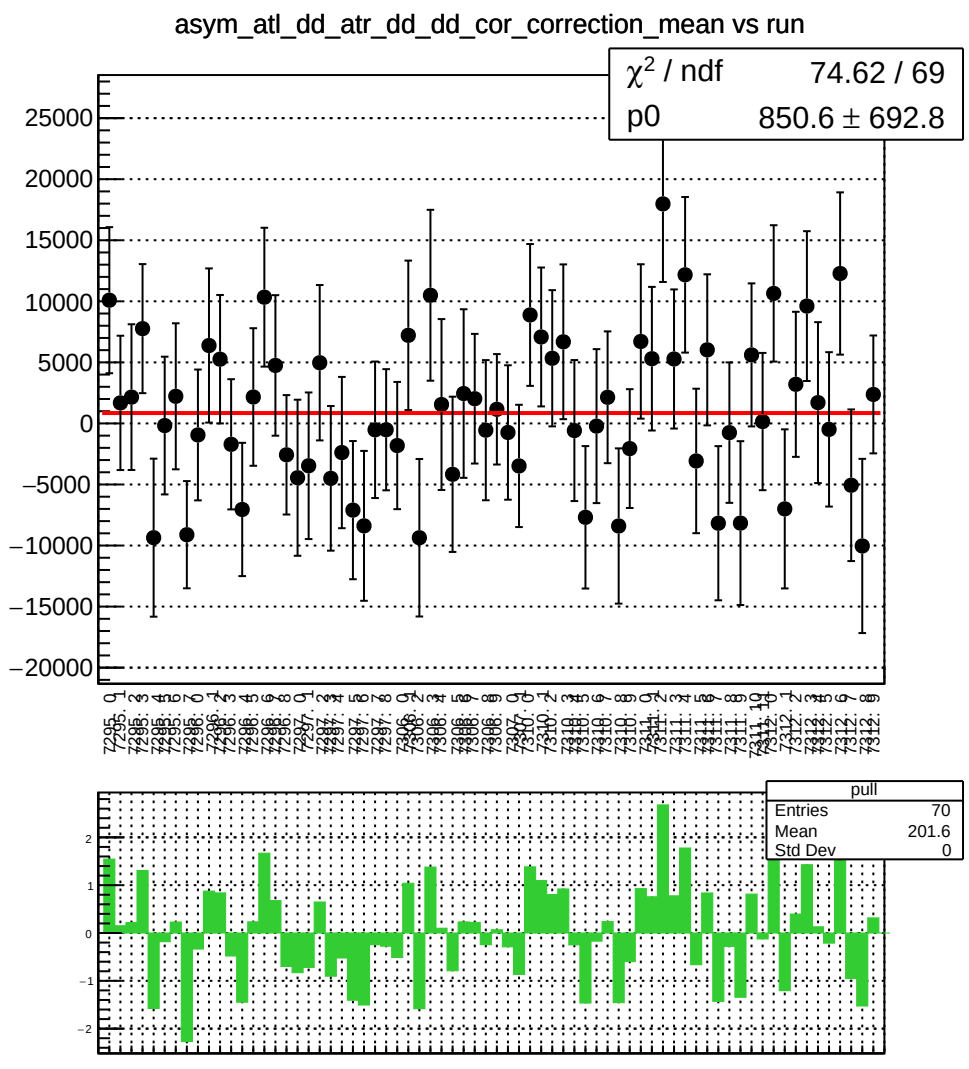

pull1D
Entries 70
Mean 0.01187
Std Dev 1.032

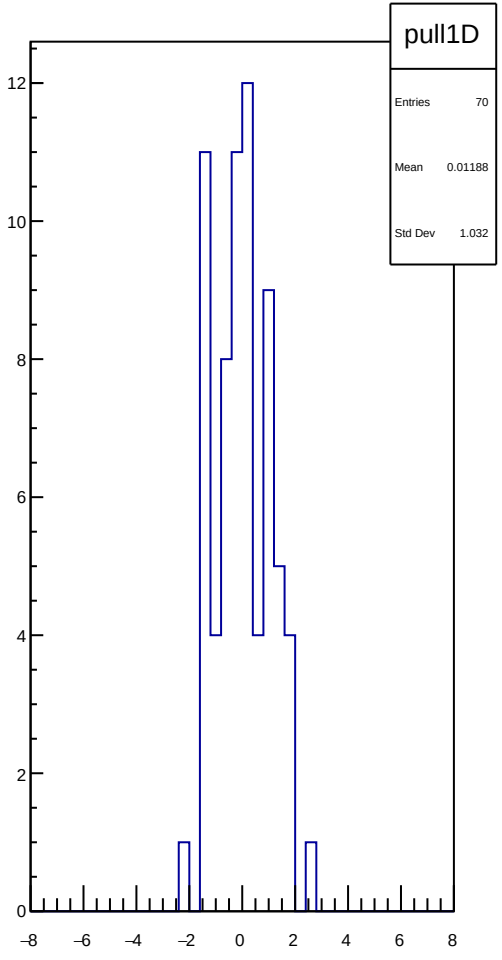

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 7380 / 69
p0 561.1 ± 0.4899
700
650
600
550
500

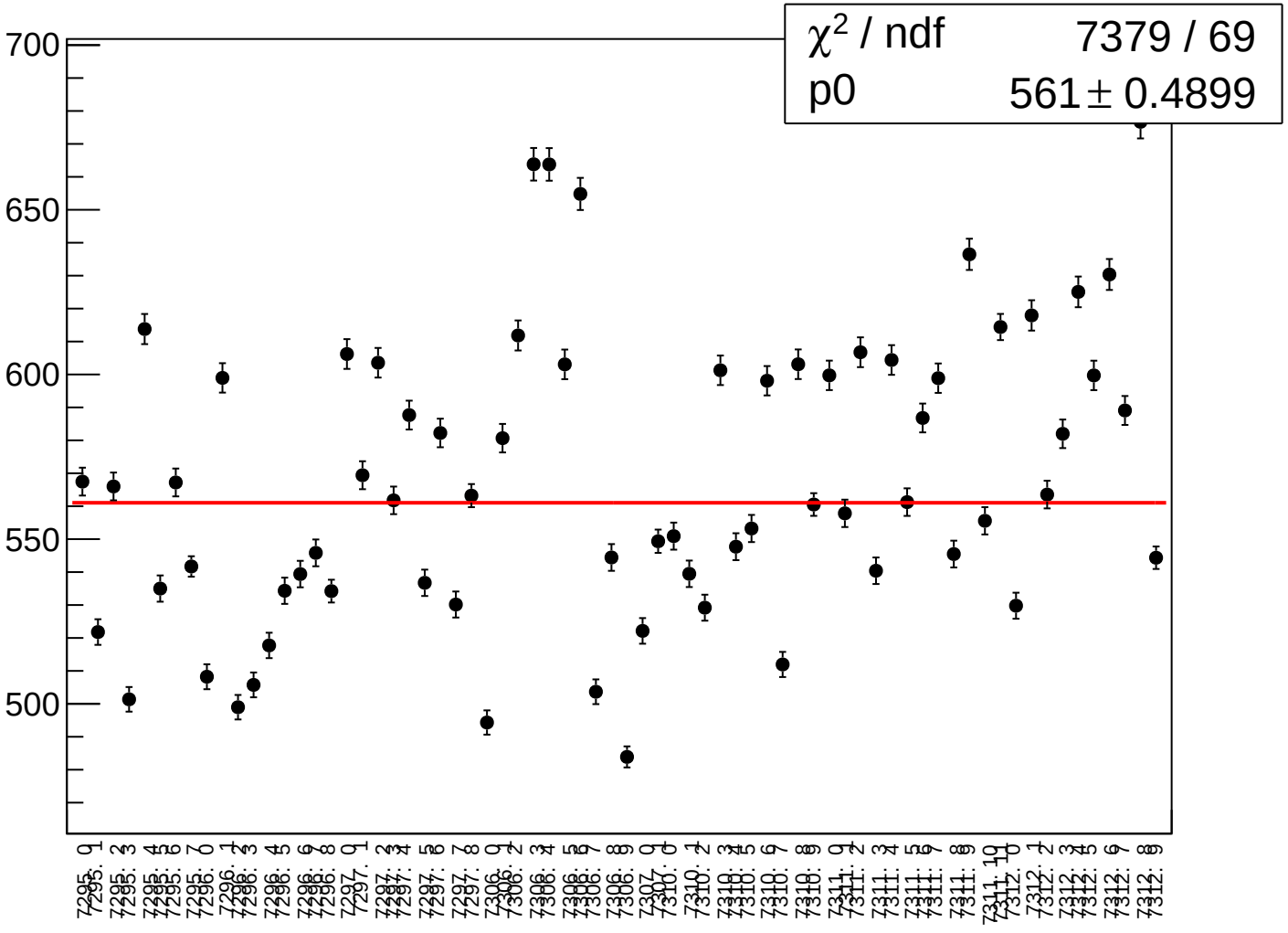

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.2
Std Dev 0

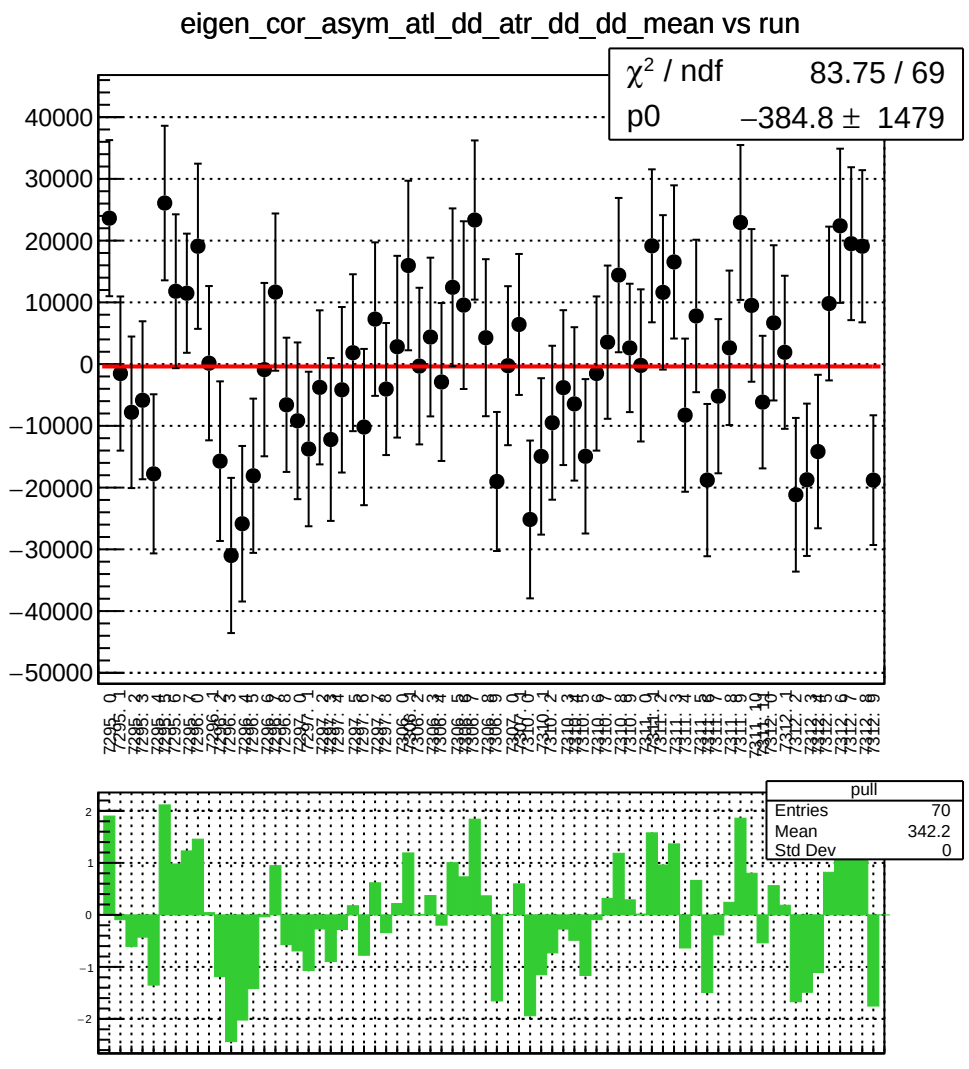

pull1D
Entries 70
Mean 0.005995
Std Dev 1.094

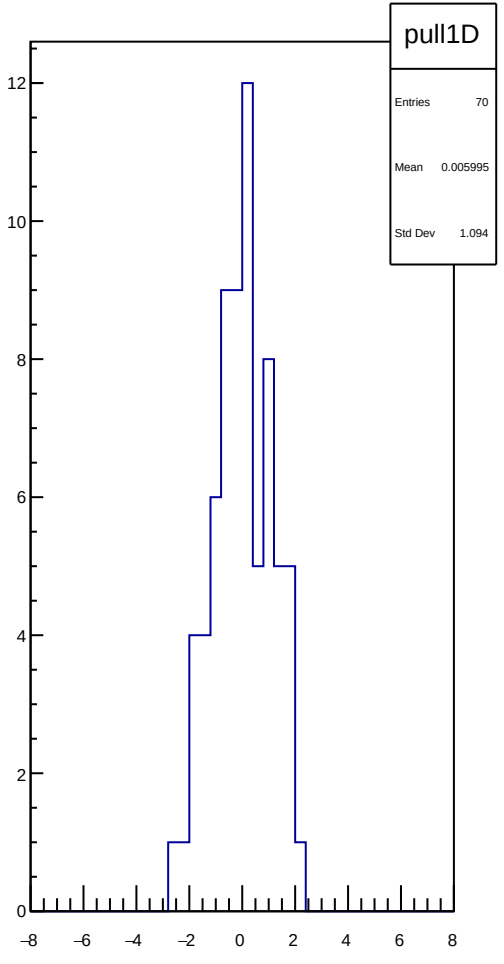

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

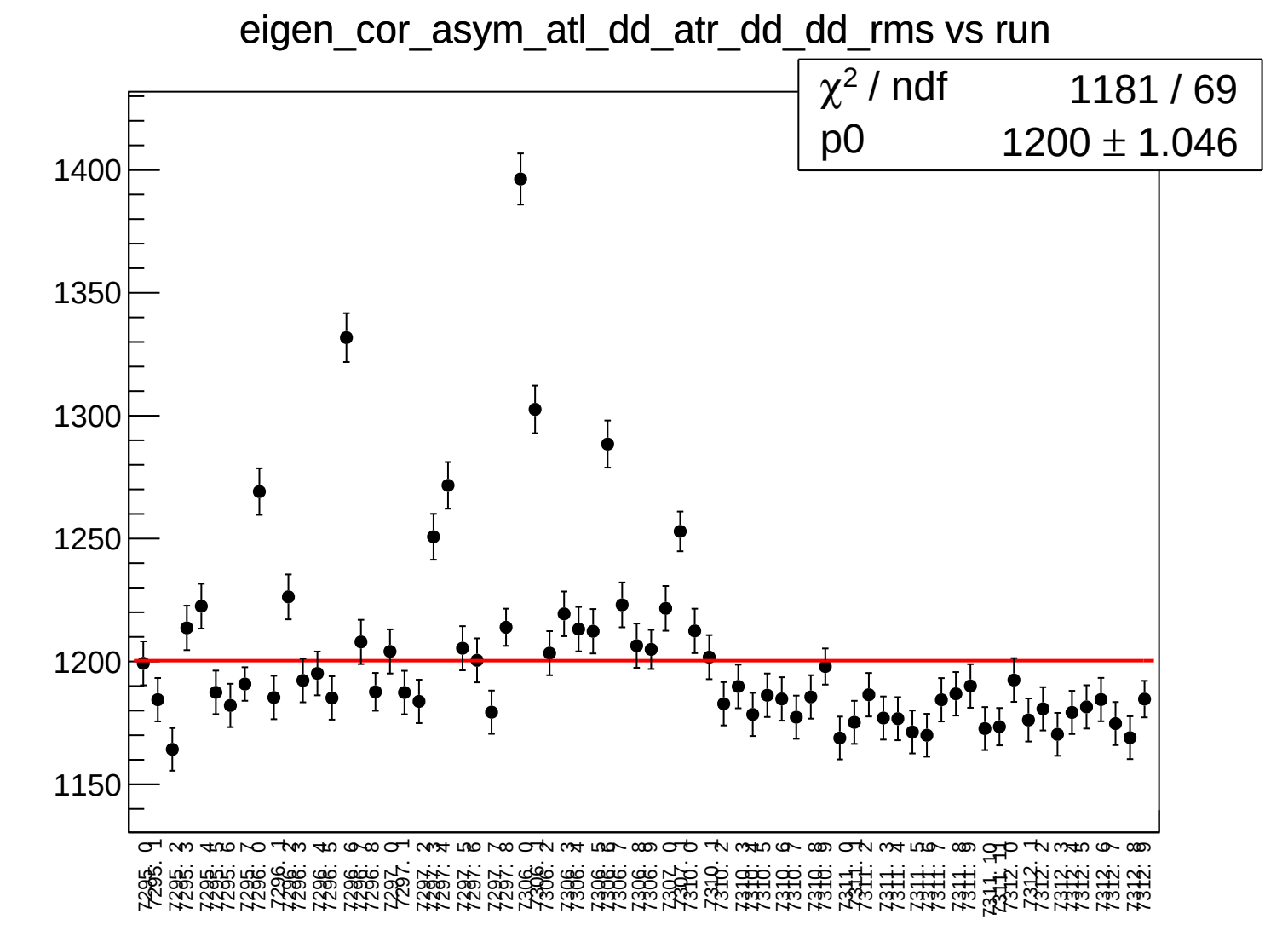

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 74.62 / 69
p0 850.6 ± 692.8
pull
Entries 70
Mean 201.6
Std Dev 0

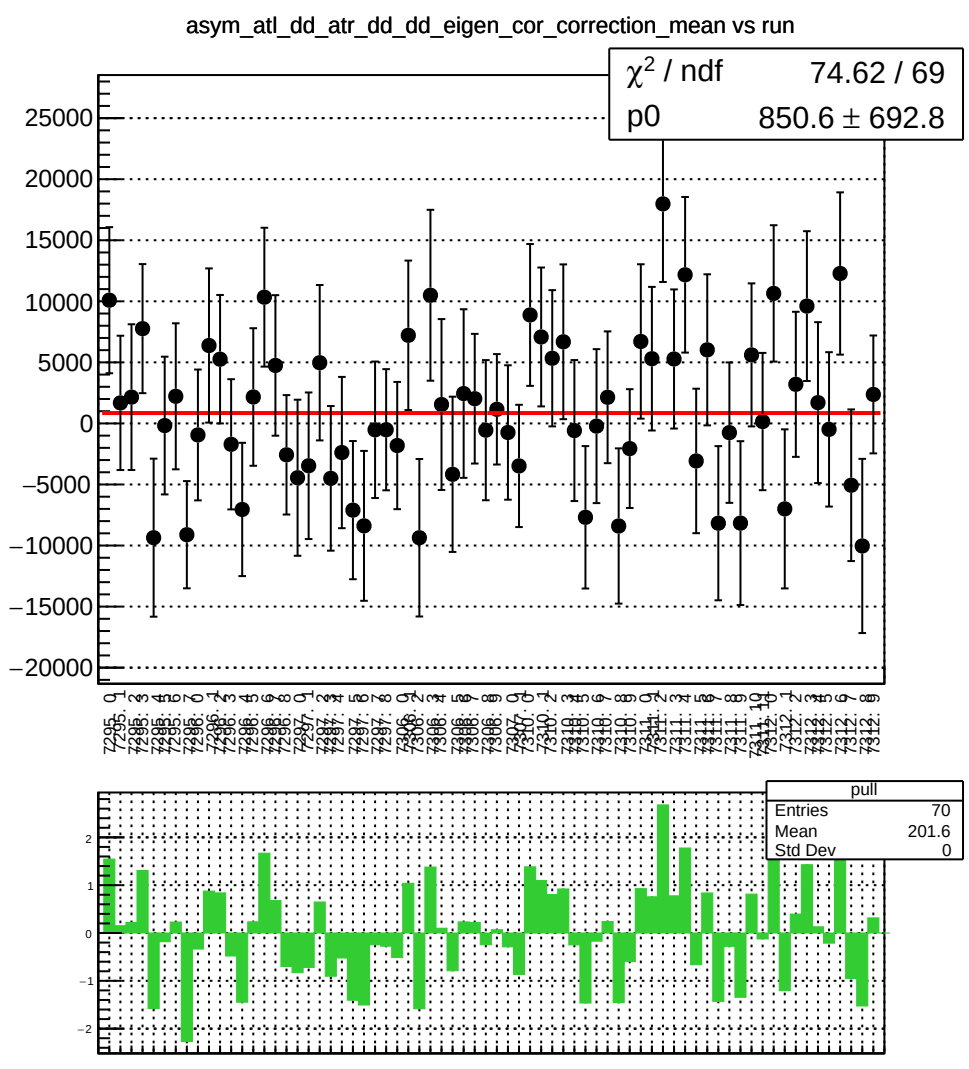

pull1D
Entries 70
Mean 0.01188
Std Dev 1.032

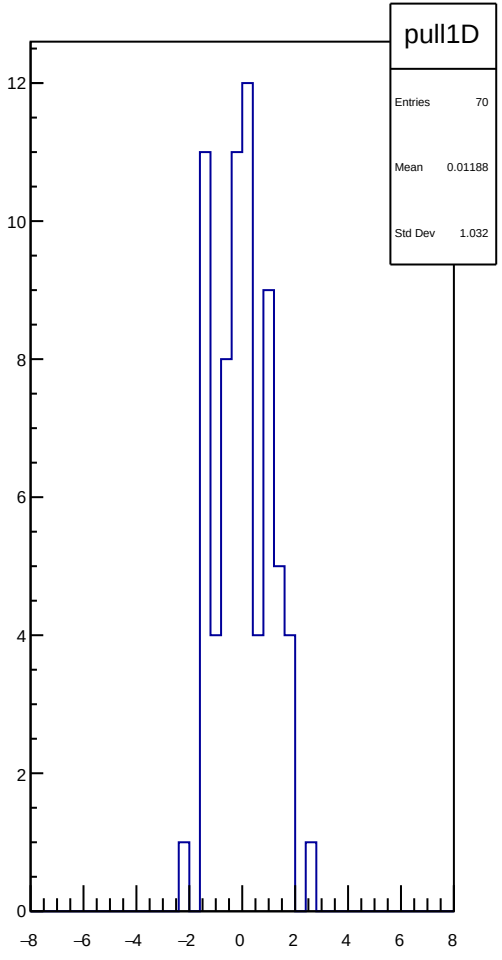

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 7379 / 69
p0 561 ± 0.4899
700
650
600
550
500

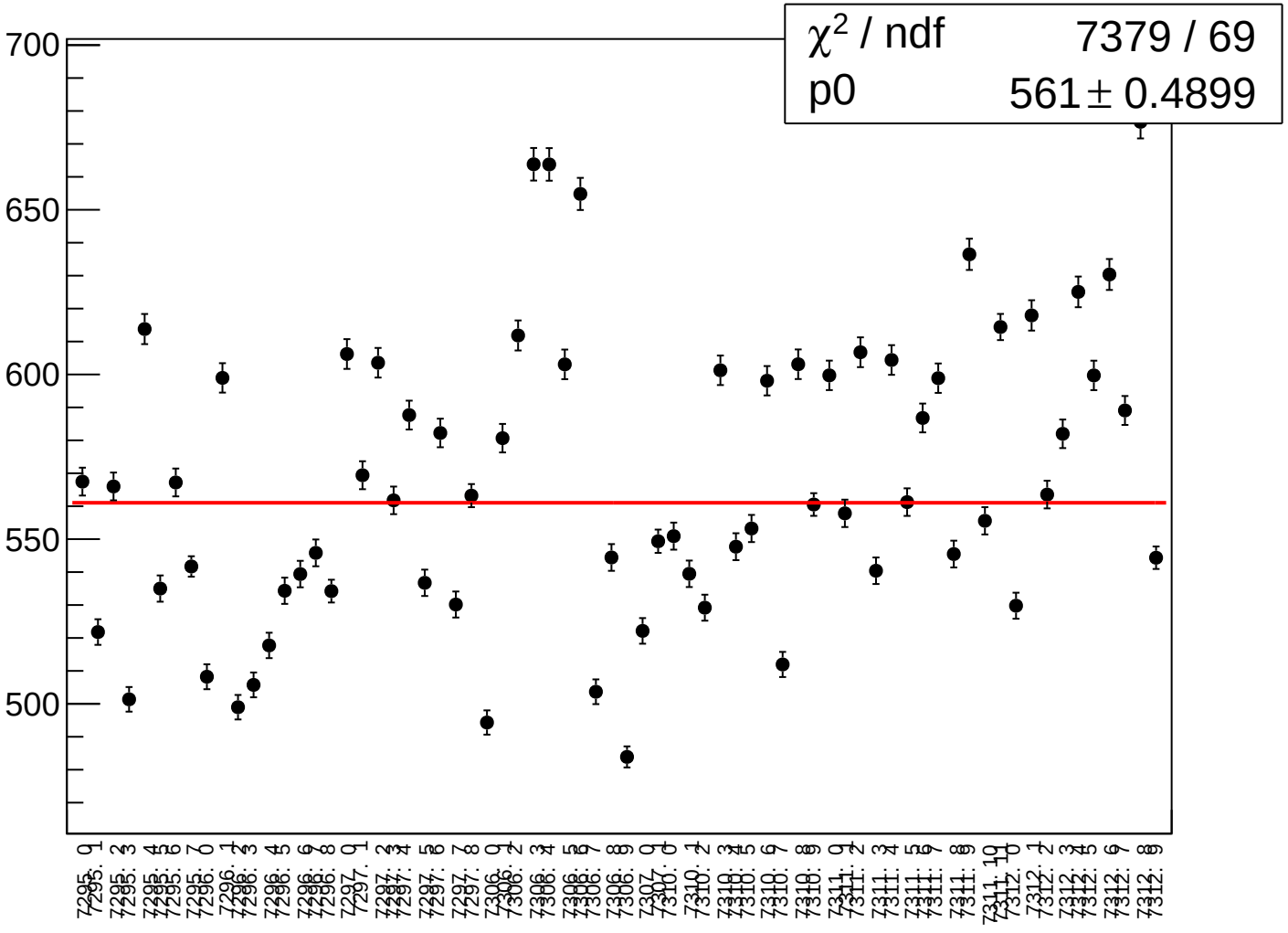

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.2
Std Dev 0

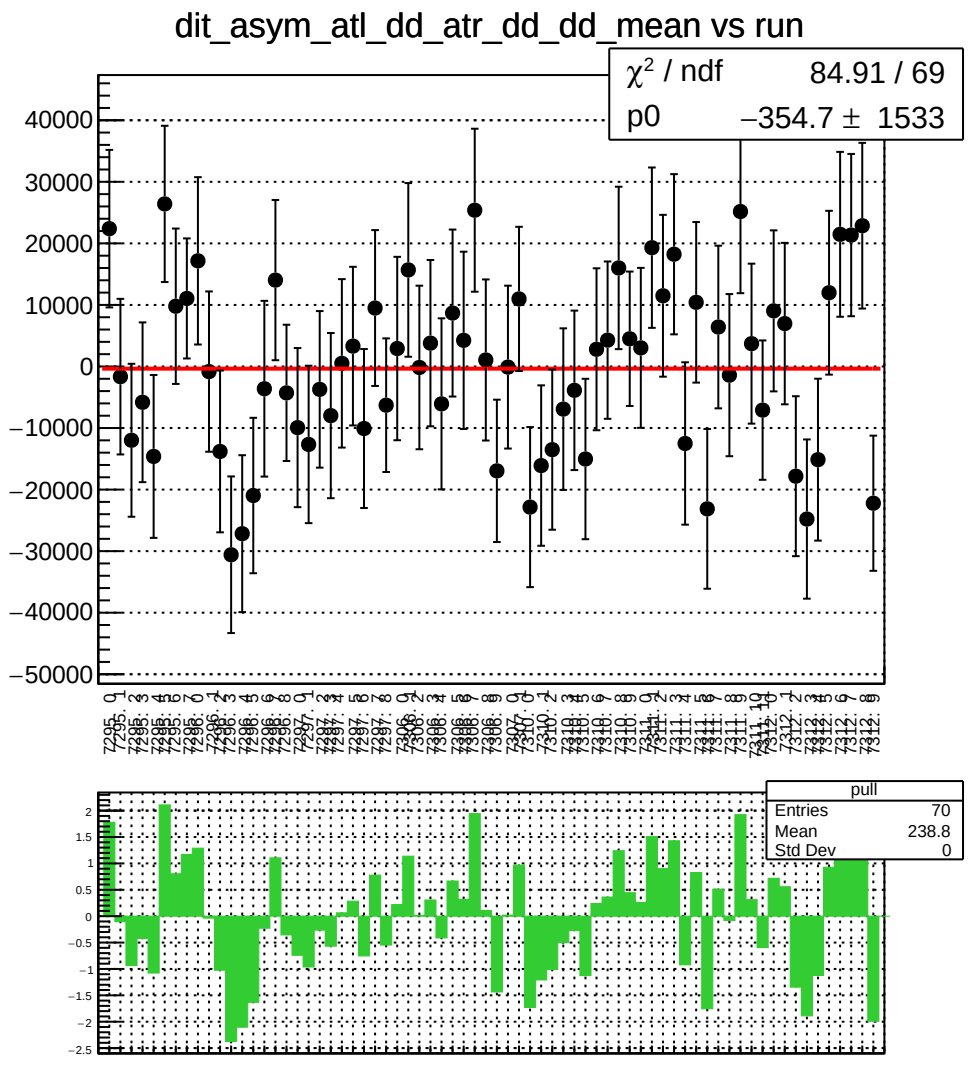

pull1D
Entries 70
Mean 0.005995
Std Dev 1.094

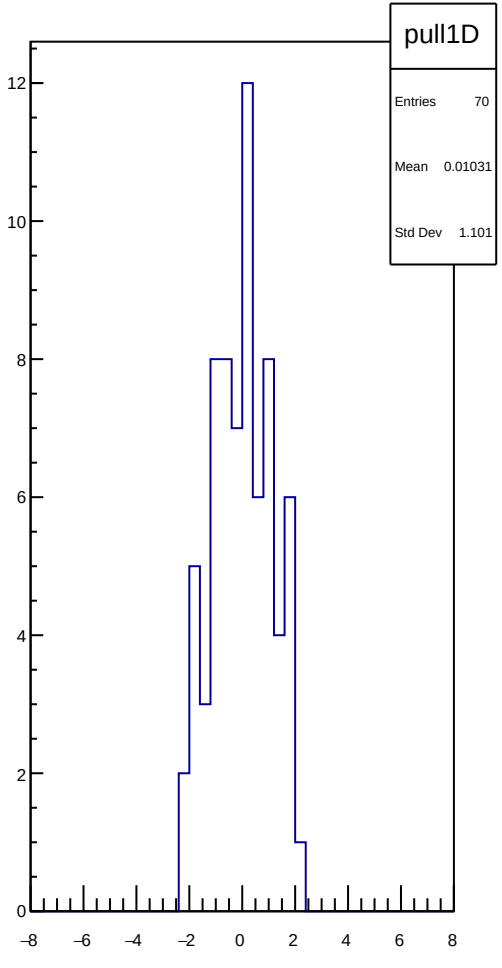

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

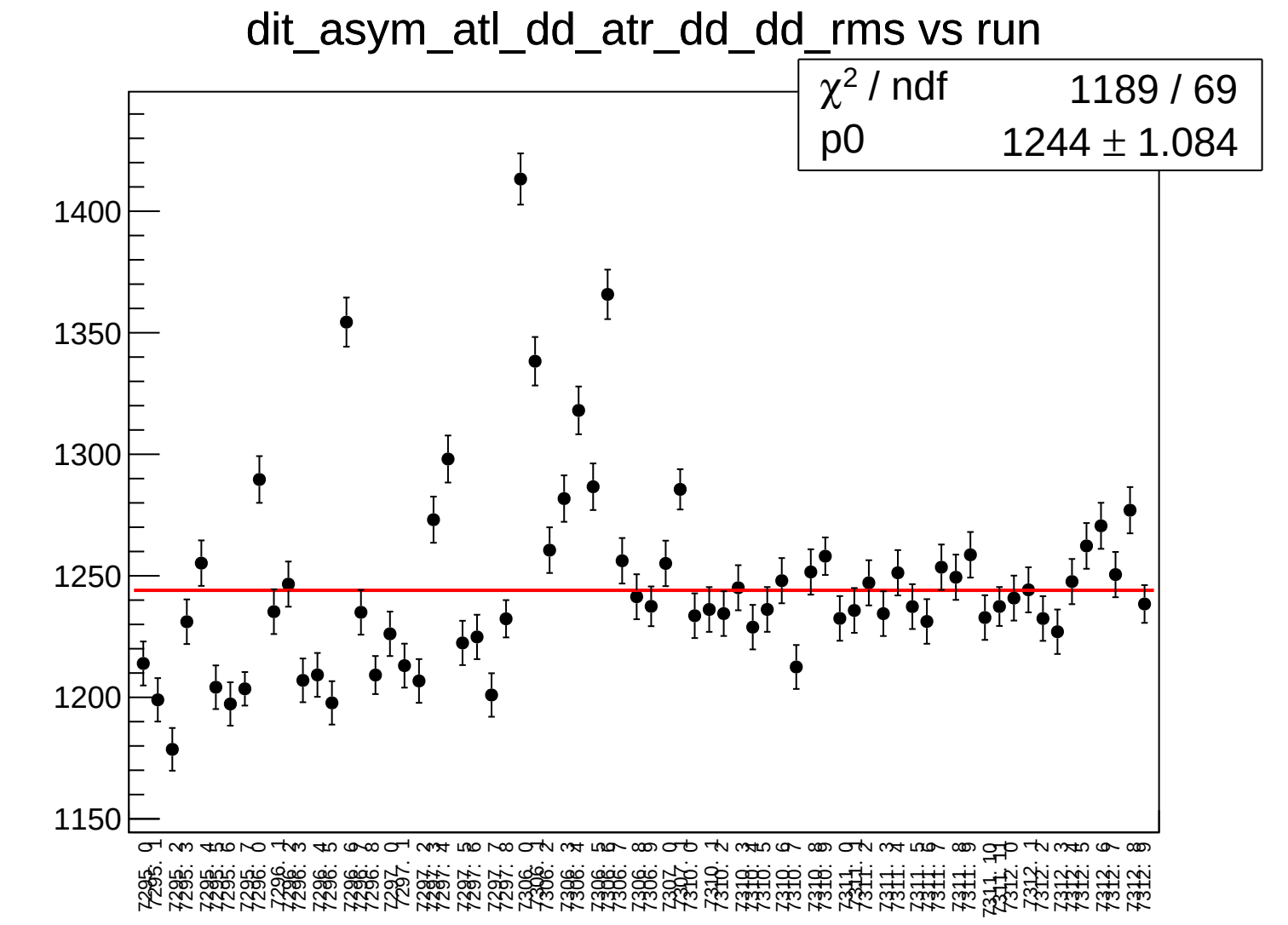

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.62 / 69
p0 850.6 ± 692.8
pull
Entries 70
Mean 201.6
Std Dev 0

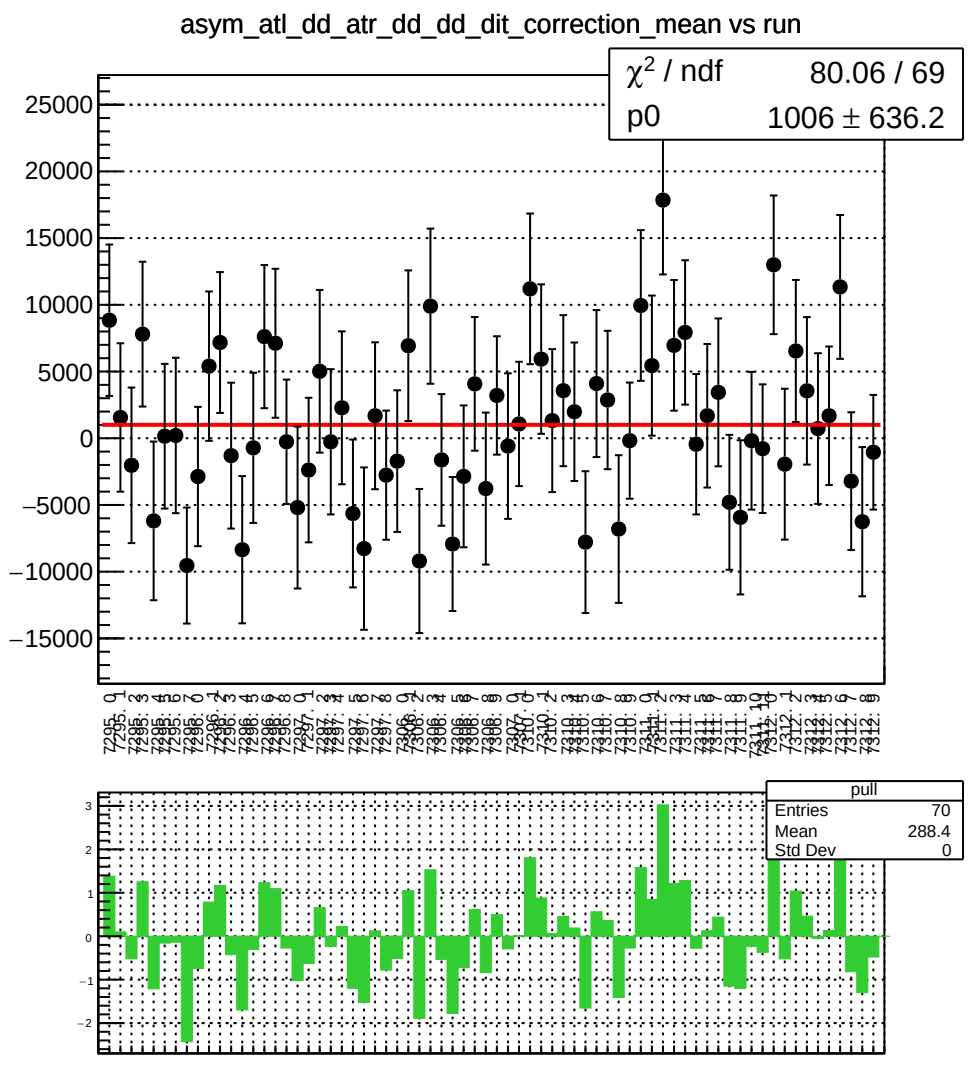

pull1D
Entries 70
Mean 0.01188
Std Dev 1.032

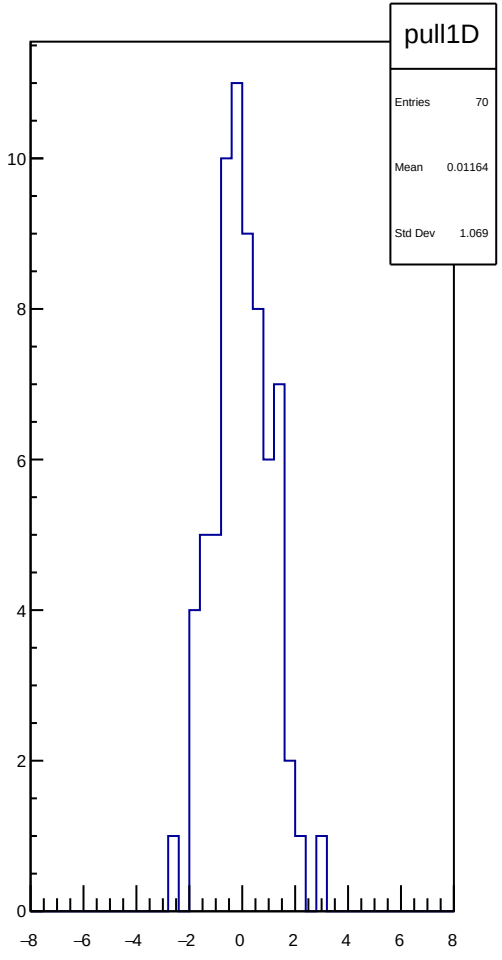

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7379 / 69
p0 561 ± 0.4899
700
650
600
550
500

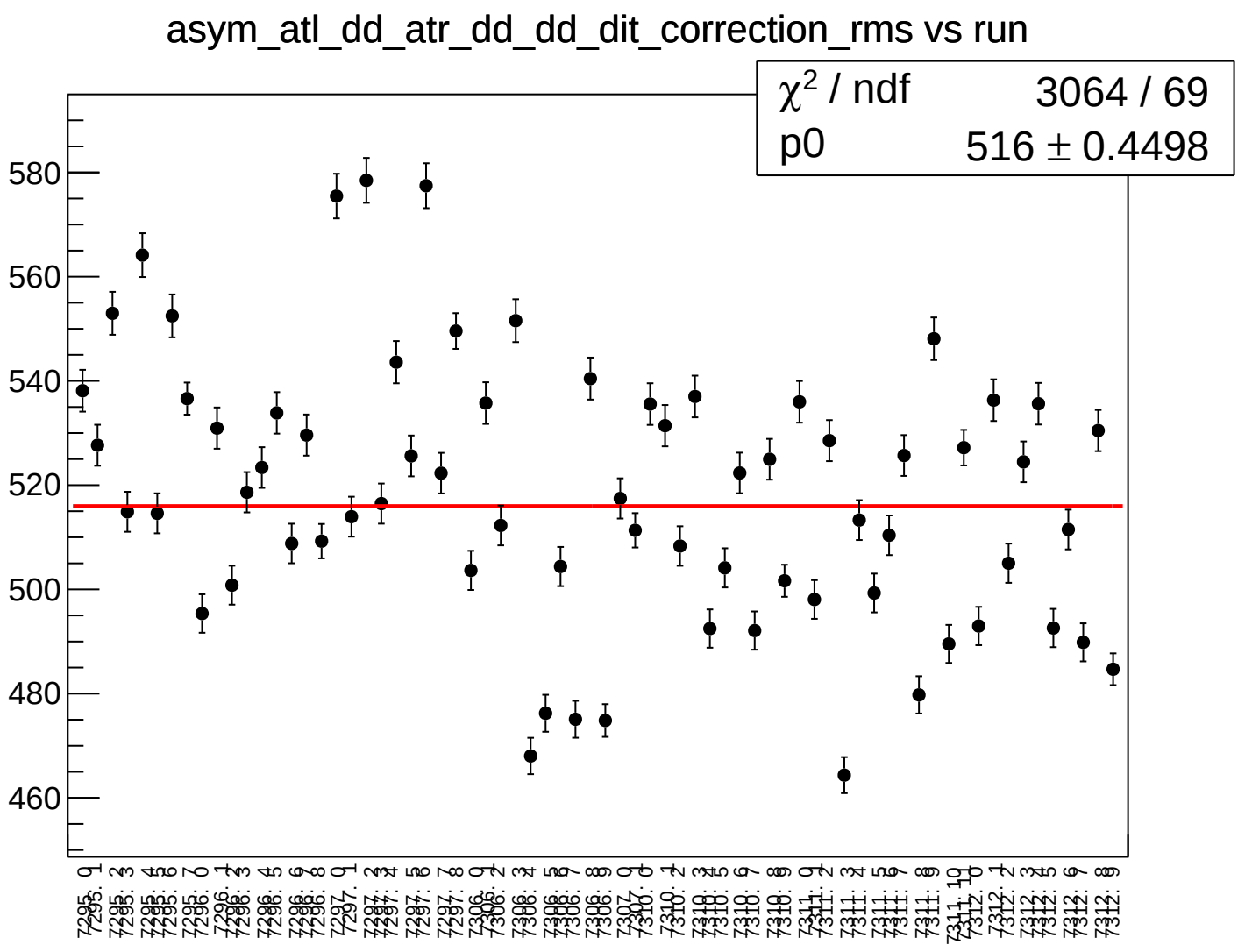

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 84.91 / 69
p0 −354.7 ± 1533
pull
Entries 70
Mean 238.8
Std Dev 0

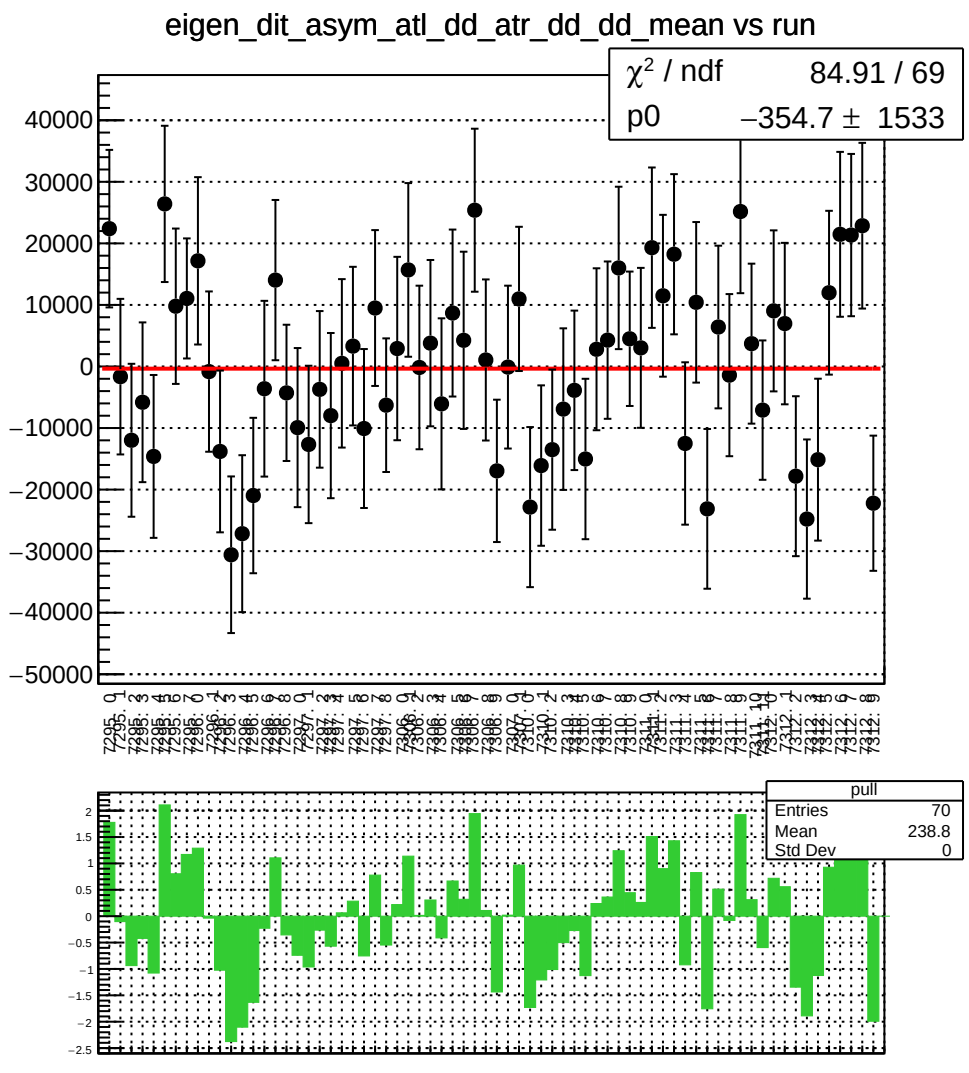

pull1D
Entries 70
Mean 0.01031
Std Dev 1.101

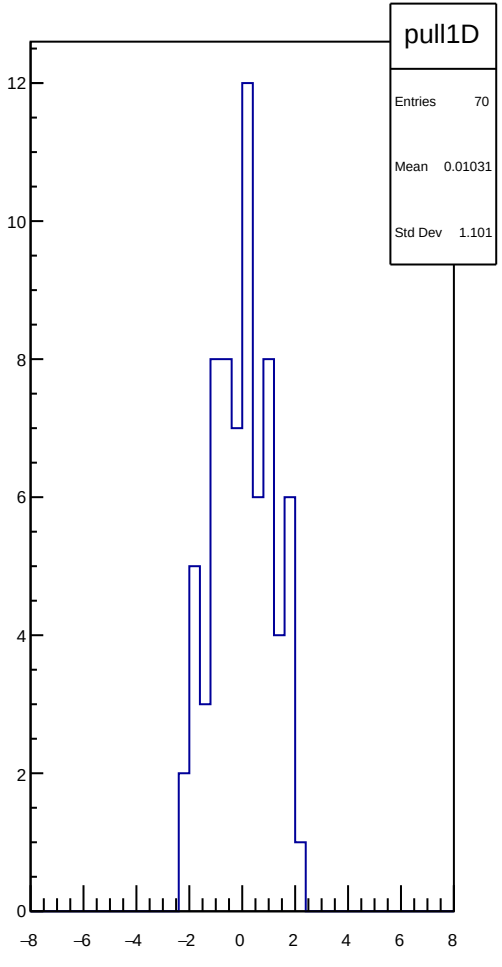

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1189 / 69
p0 1244 ± 1.084
1400
1350
1300
1250
1200
1150

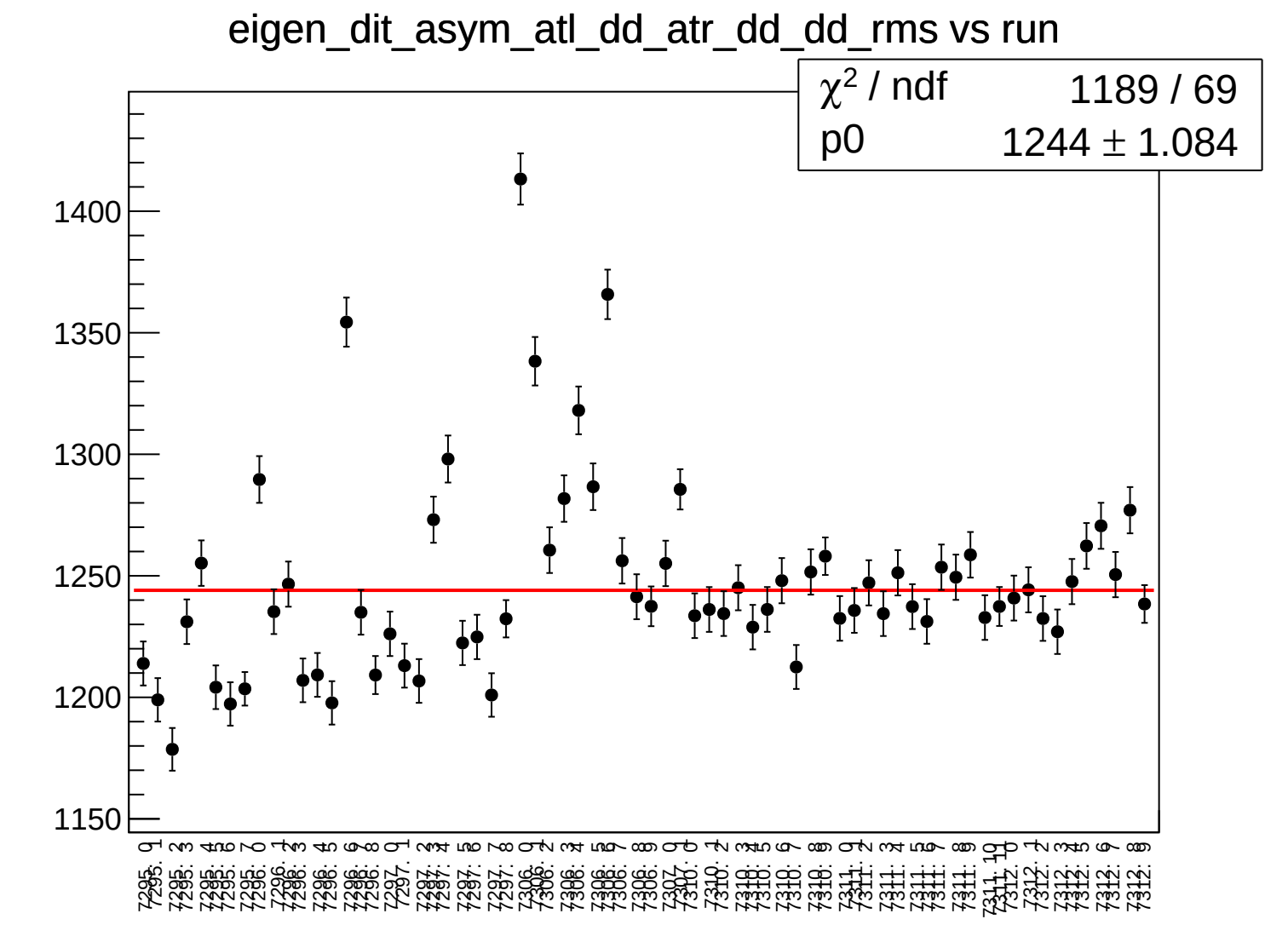

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 80.06 / 69
p0 1006 ± 636.2
pull
Entries 70
Mean 288.4
Std Dev 0

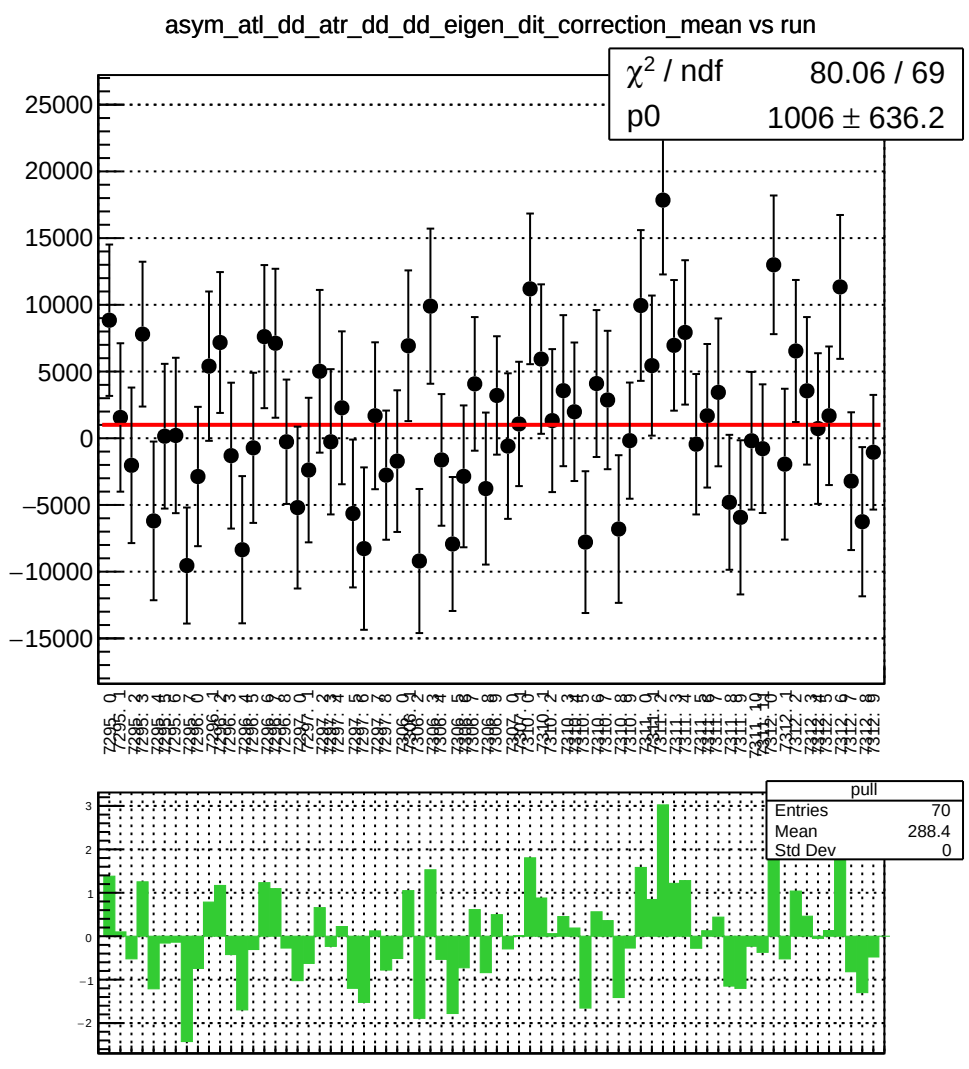

pull1D
Entries 70
Mean 0.01164
Std Dev 1.069

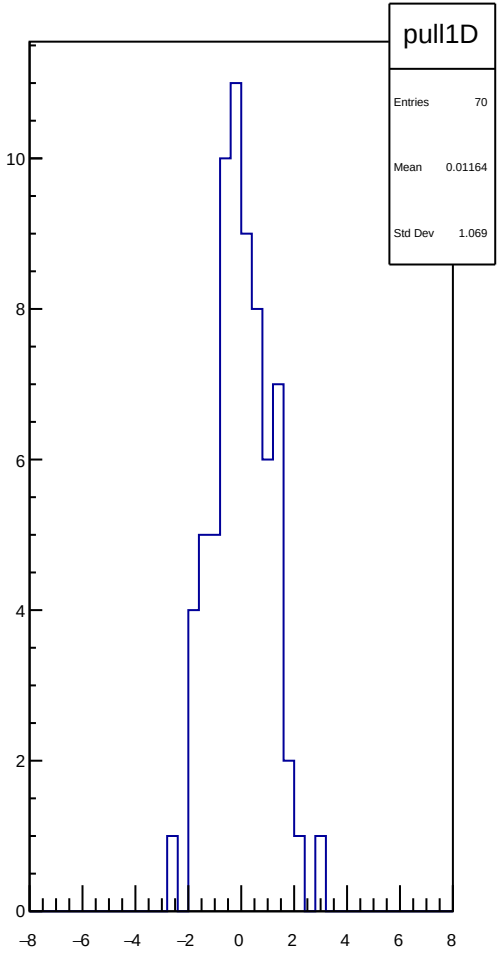

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 3064 / 69
p0 516 ± 0.4498
580
560
540
520
500
480
460

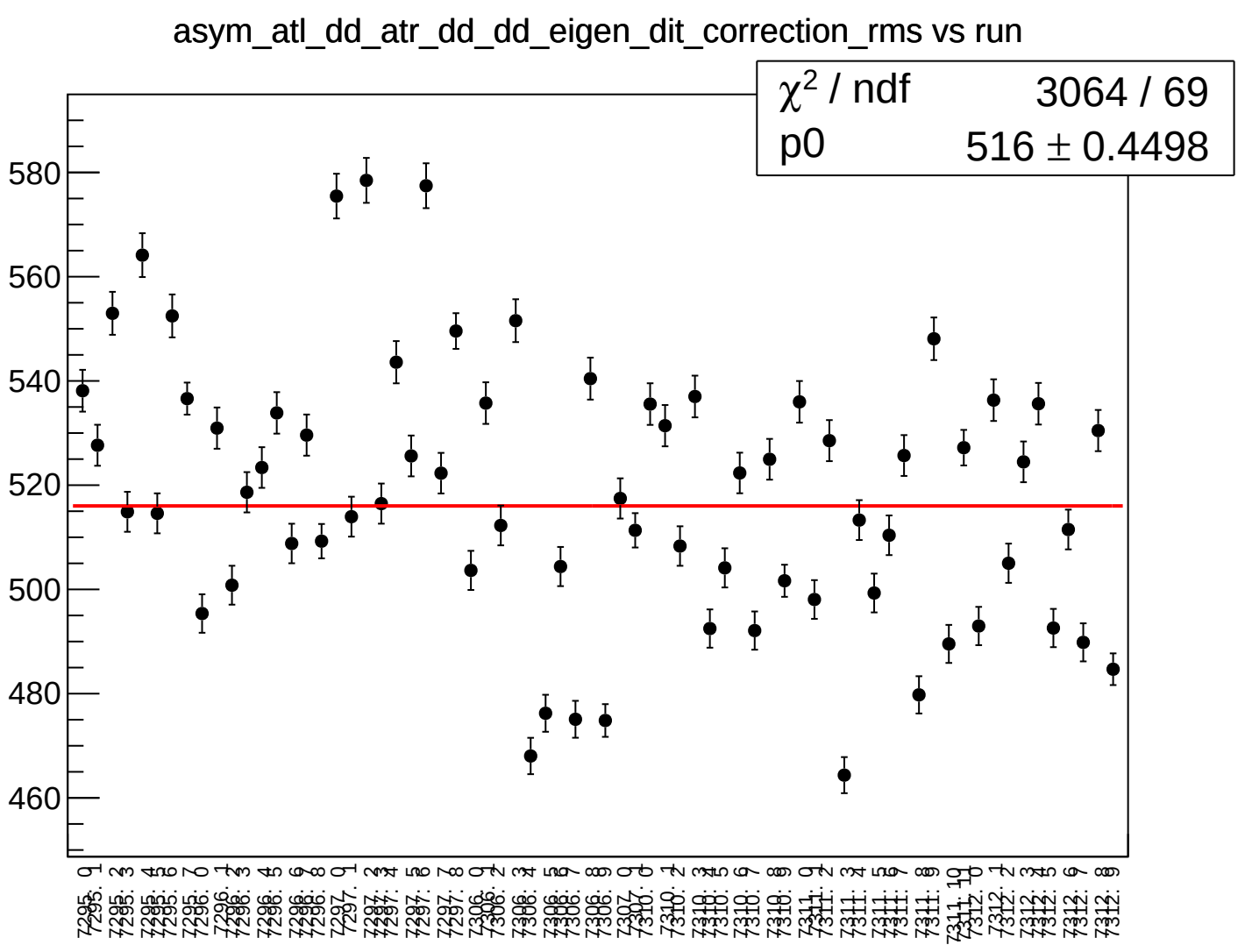

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 84.91 / 69
p0 −354.7 ± 1533
pull
Entries 70
Mean 238.8
Std Dev 0

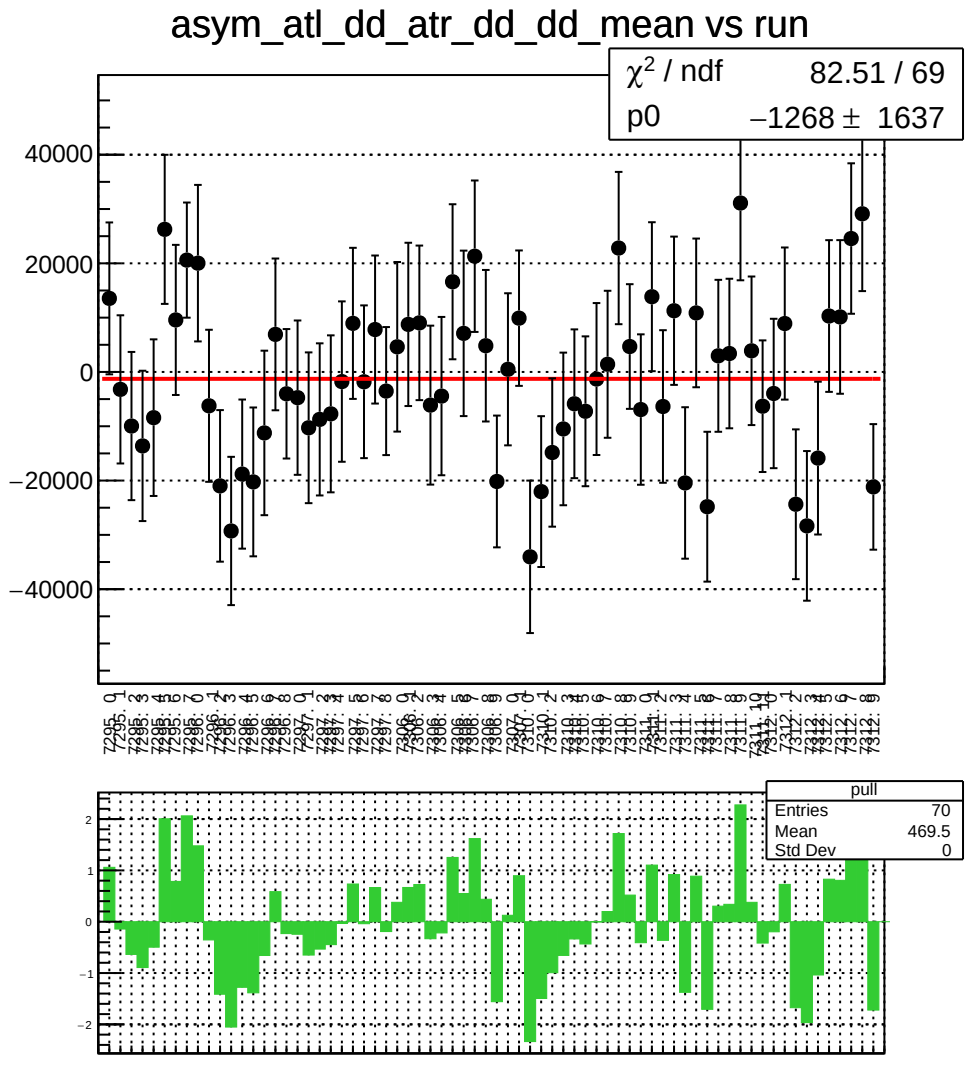

pull1D
Entries 70
Mean 0.01031
Std Dev 1.101

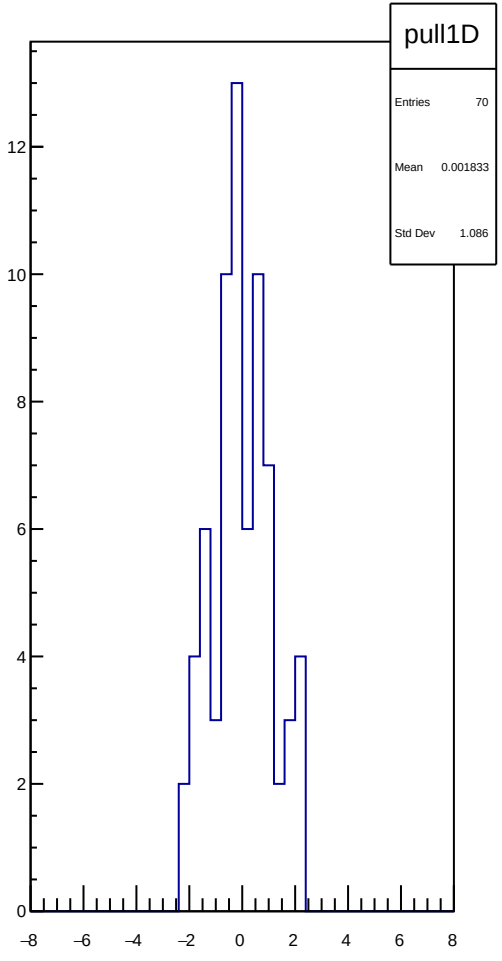

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1189 / 69
p0 1244 ± 1.084
1400
1350
1300
1250
1200
1150

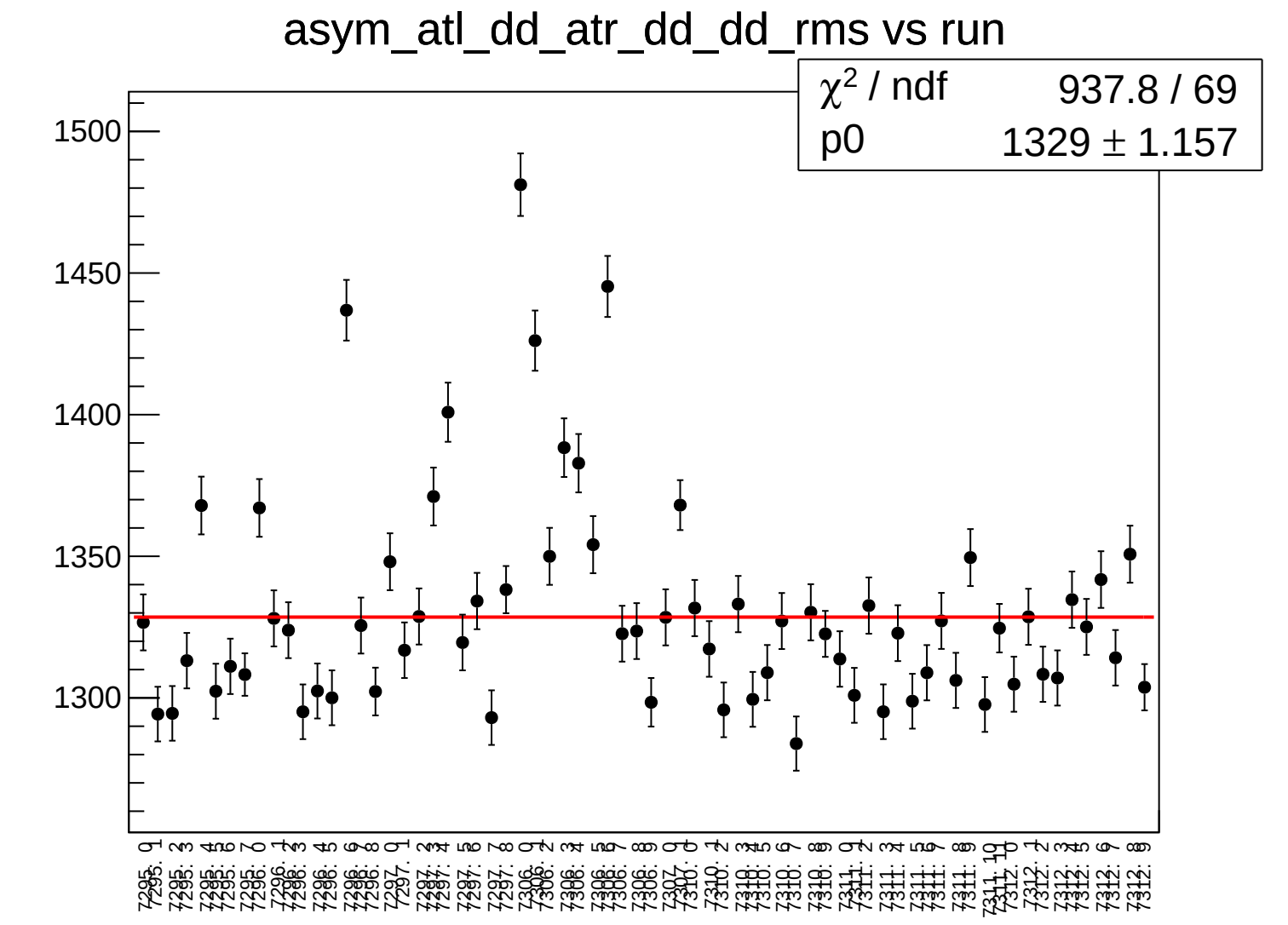

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.06 / 69
p0 1006 ± 636.2
pull
Entries 70
Mean 288.4
Std Dev 0

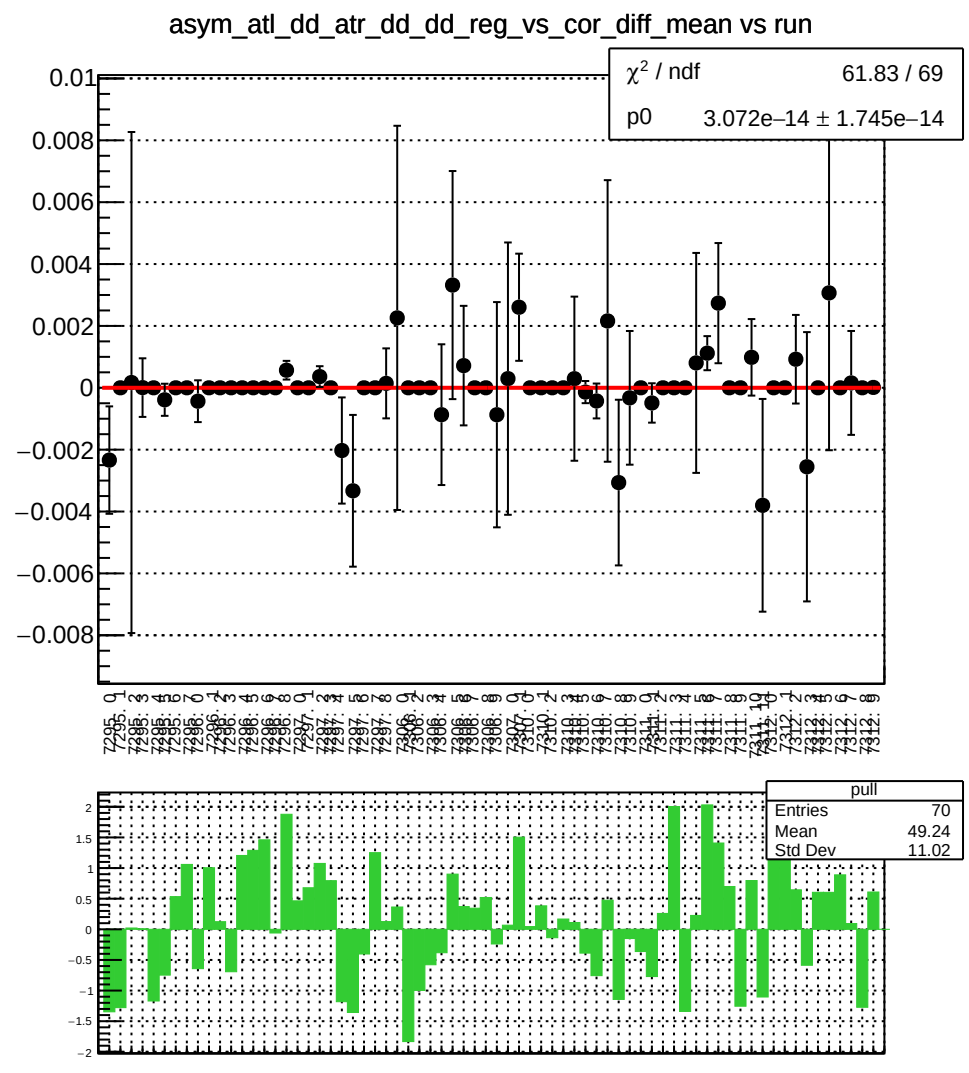

pull1D
Entries 70
Mean 0.01164
Std Dev 1.069

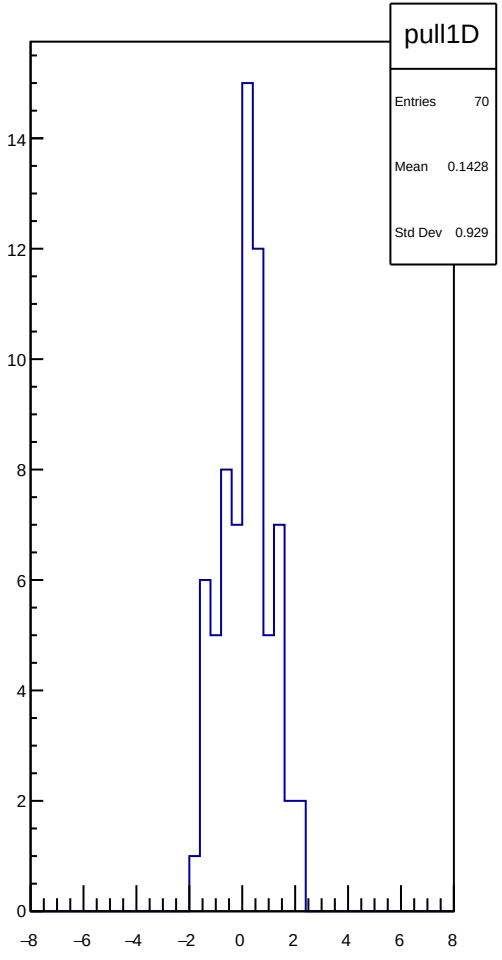

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3064 / 69
p0 516 ± 0.4498
580
560
540
520
500
480
460

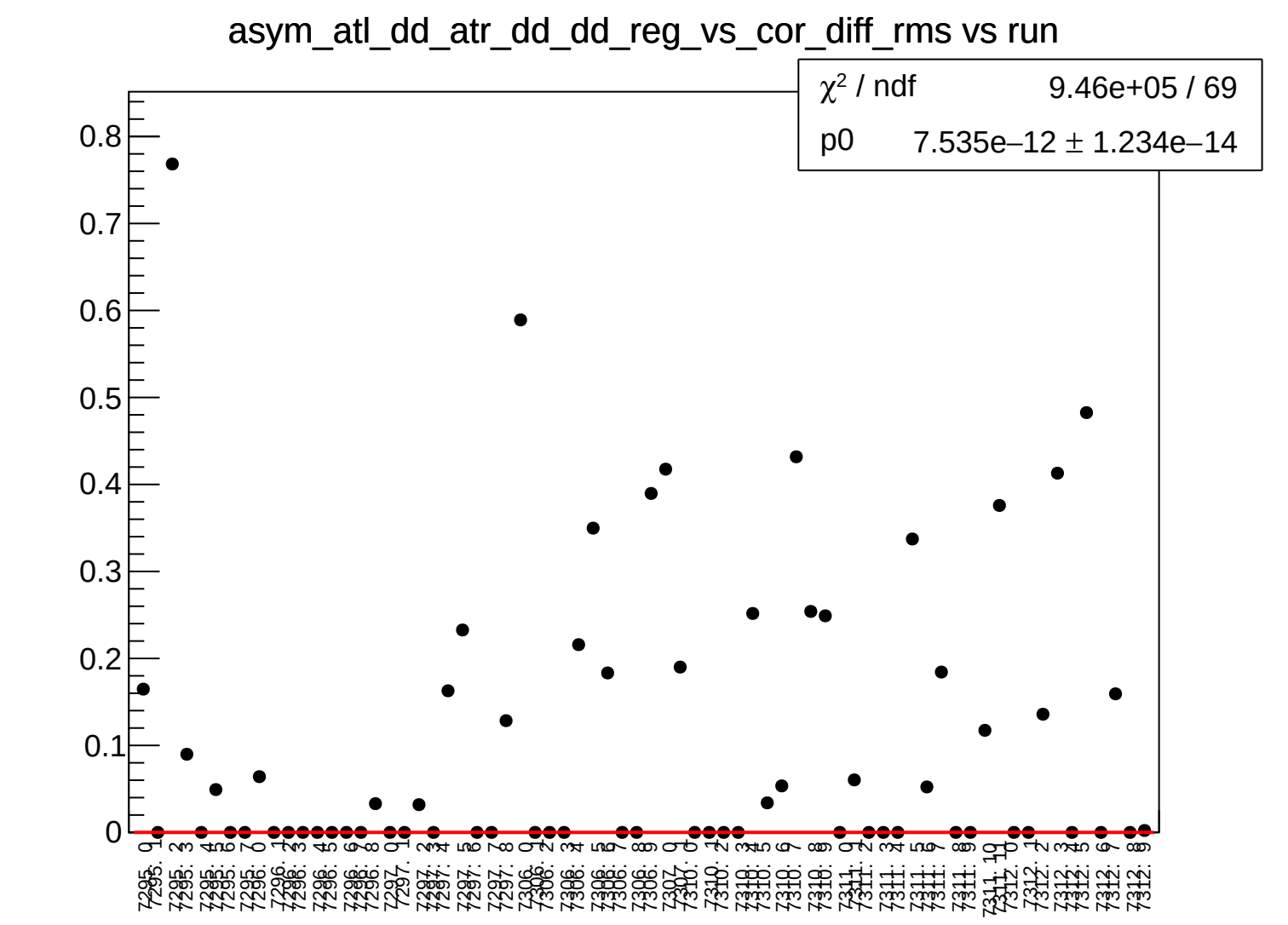

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 82.51 / 69
p0 −1268 ± 1637
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 469.5
Std Dev 0
2
1
0
−1
−2

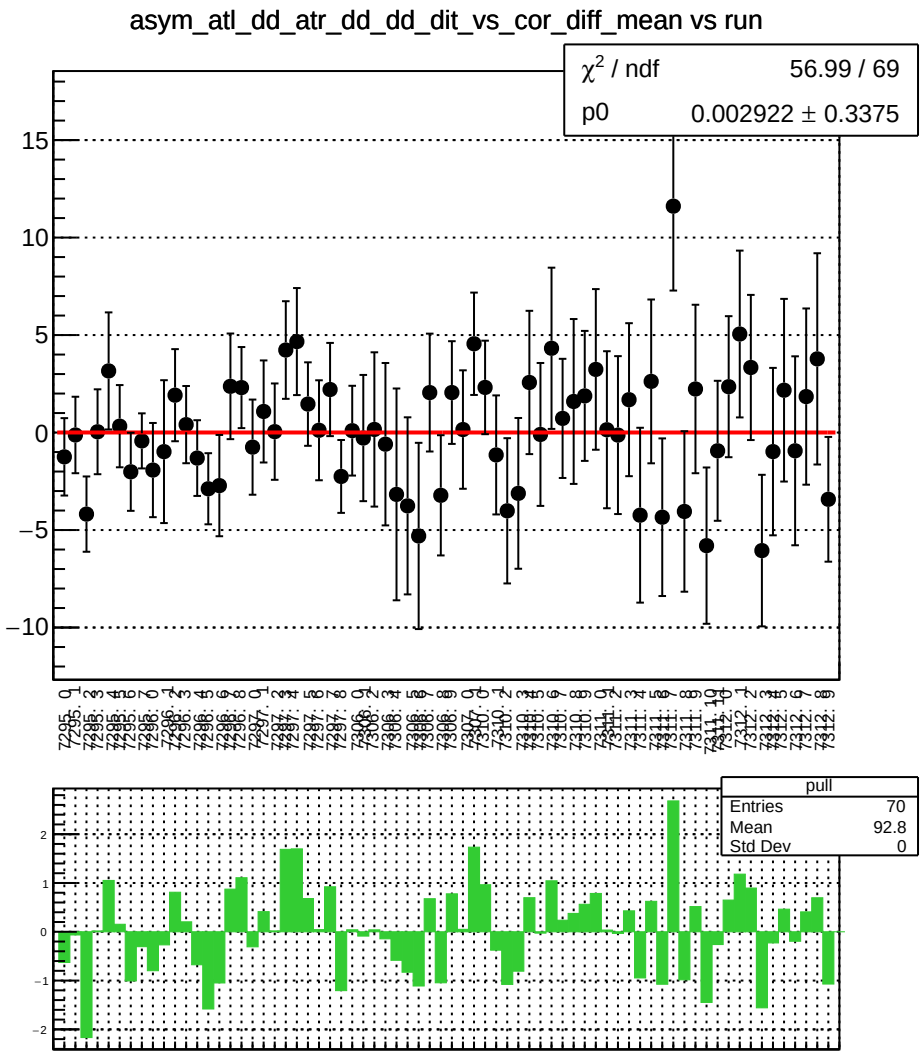

pull1D
Entries 70
Mean 0.001833
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

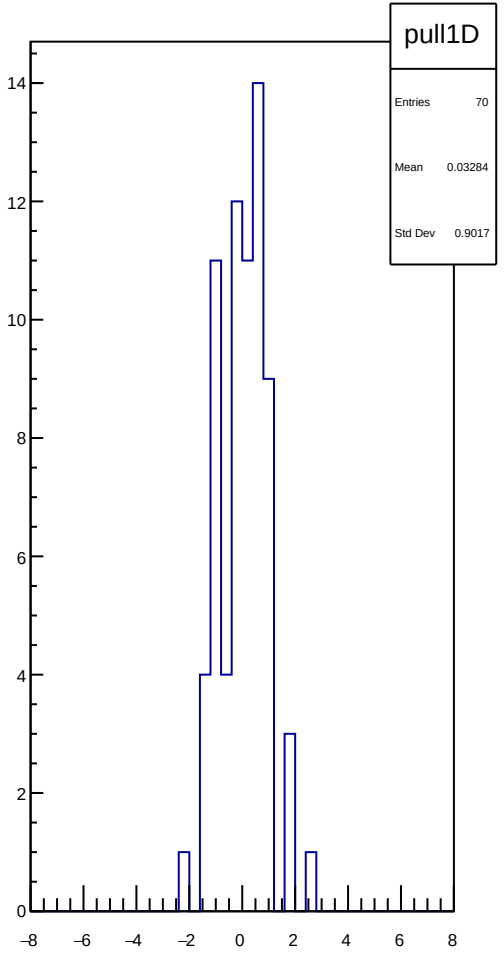

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 937.8 / 69
p0 1329 ± 1.157
1500
1450
1400
1350
1300

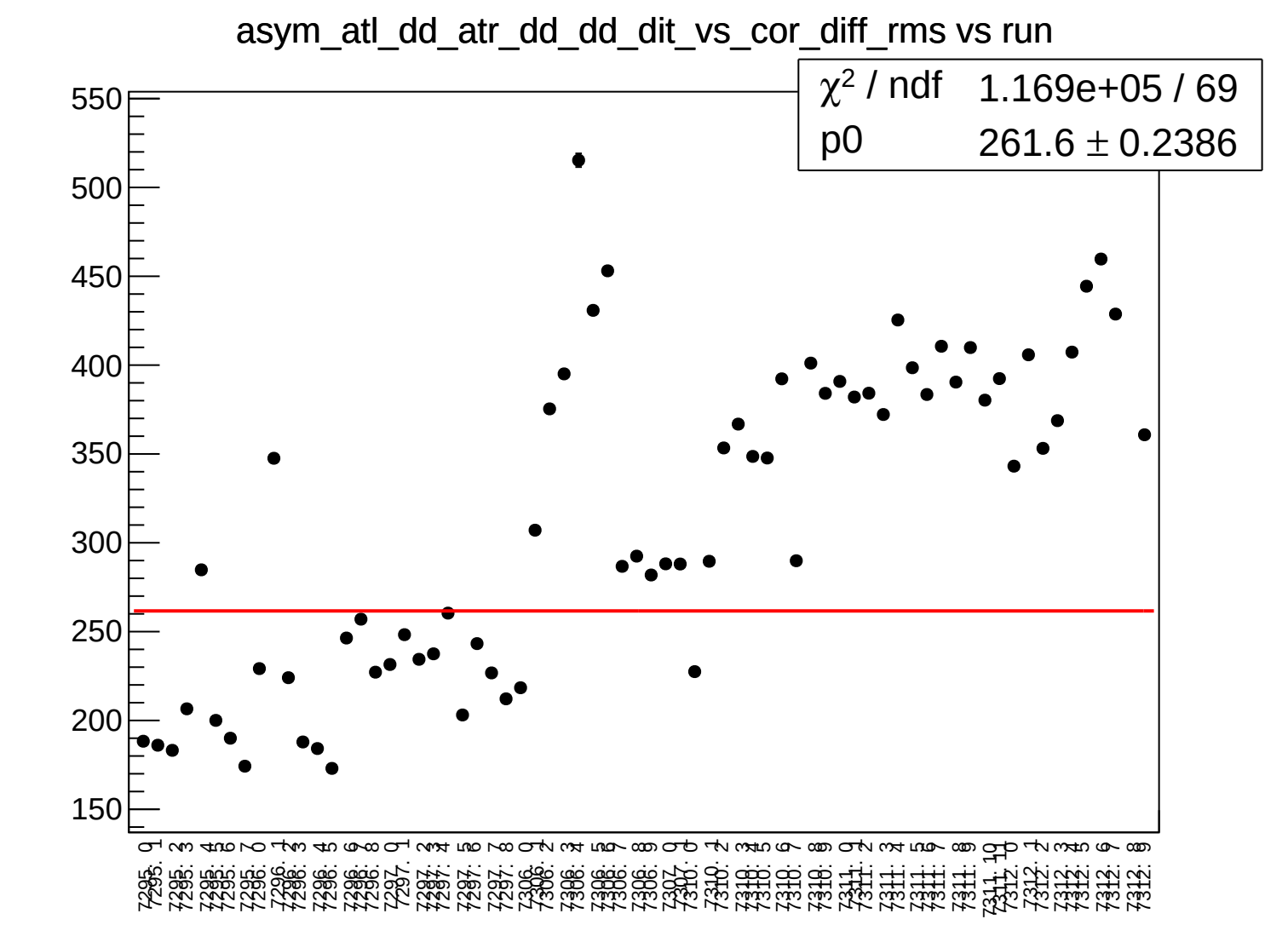

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.83 / 69
p0 3.072e−14 ± 1.745e−14
pull
Entries 70
Mean 49.24
Std Dev 11.02

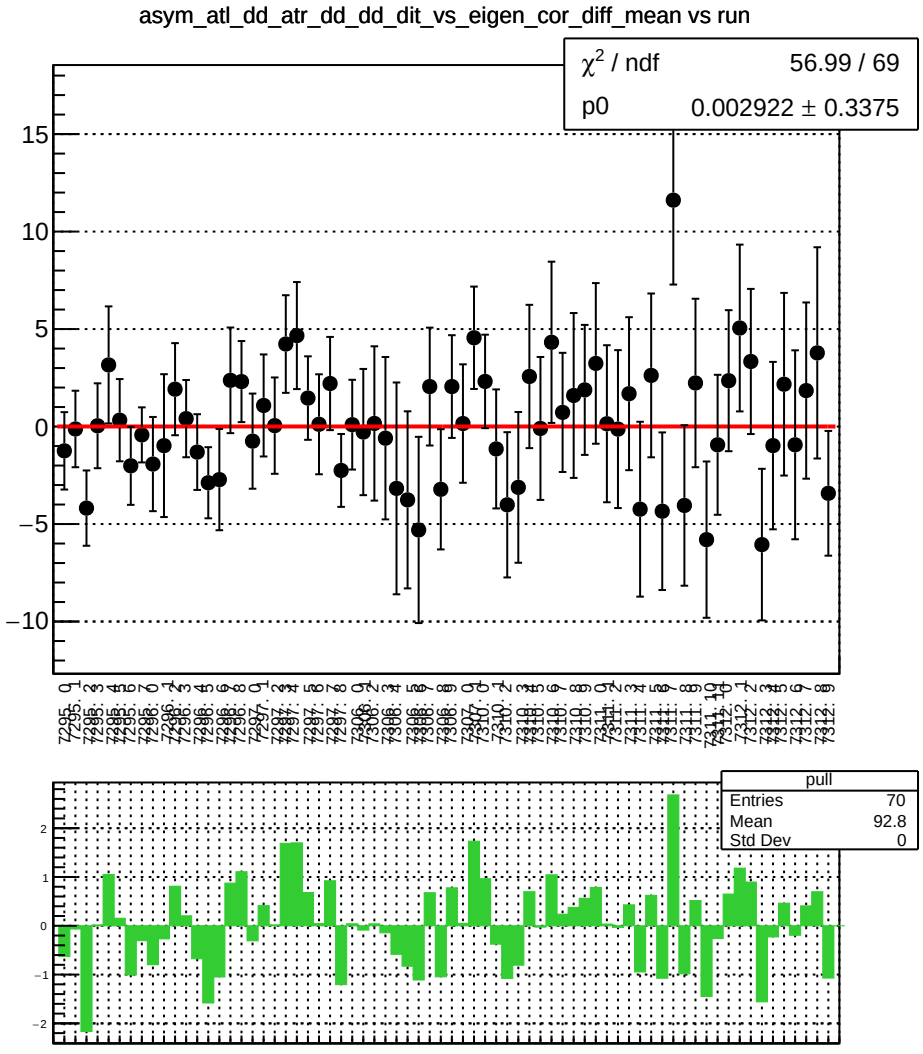

pull1D
Entries 70
Mean 0.1428
Std Dev 0.929

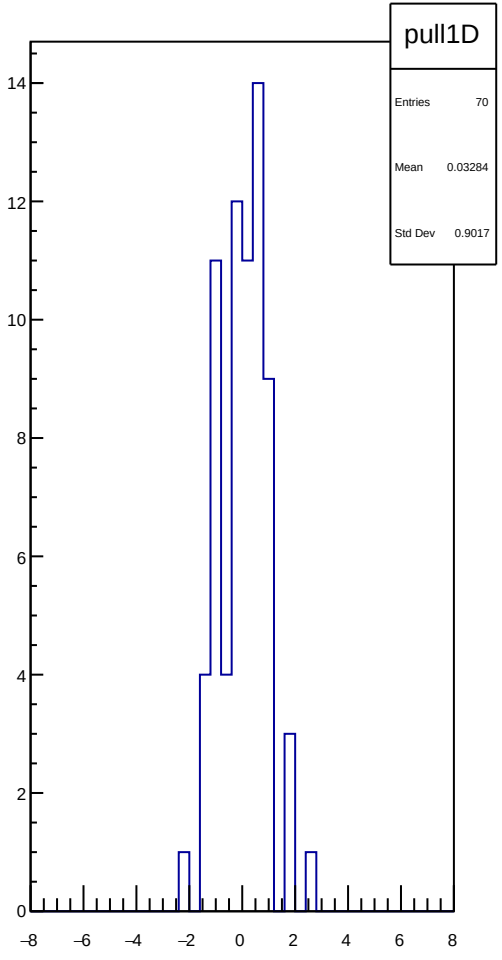

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.46e+05 / 69
p0 7.535e−12 ± 1.234e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

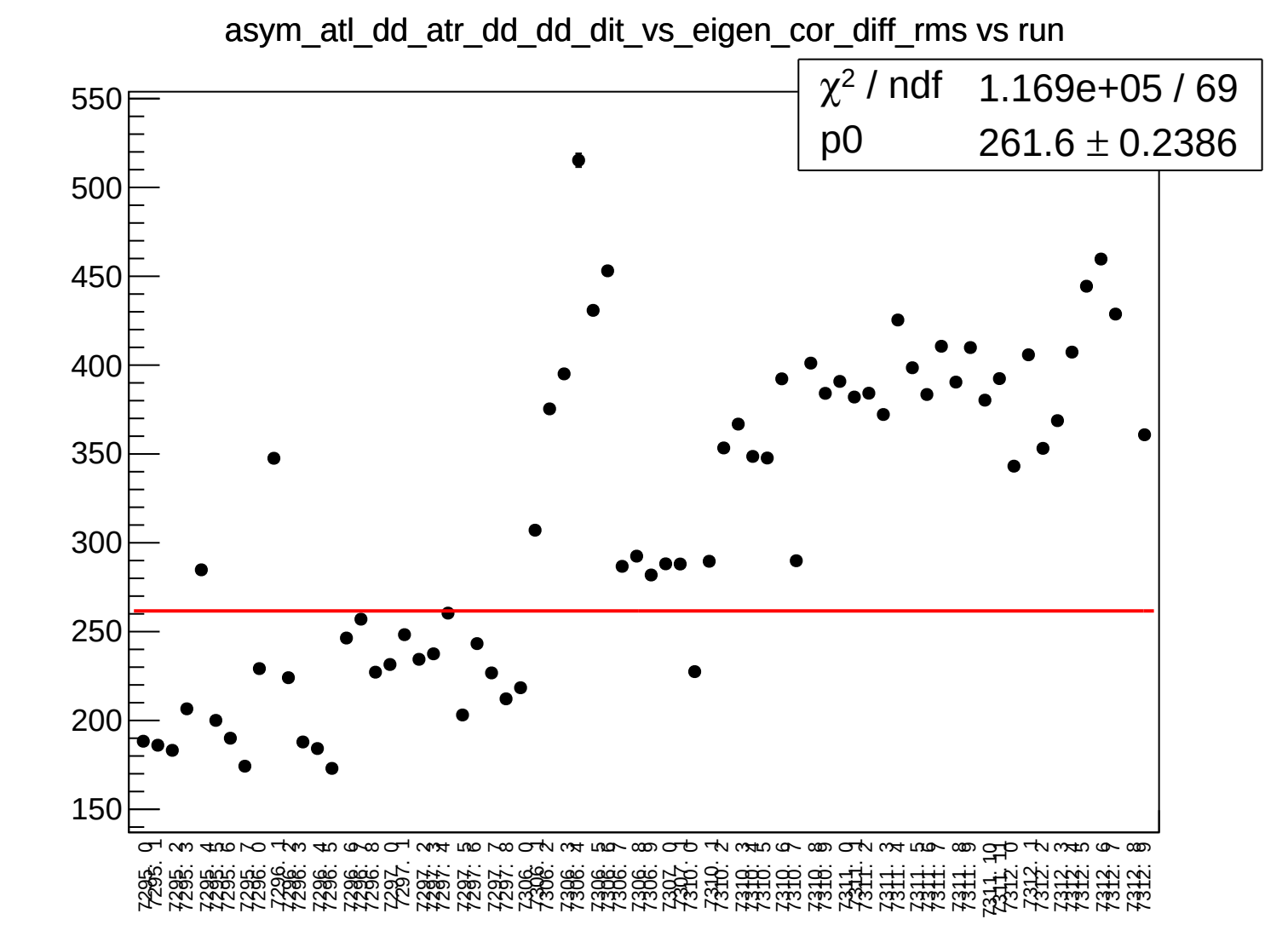

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

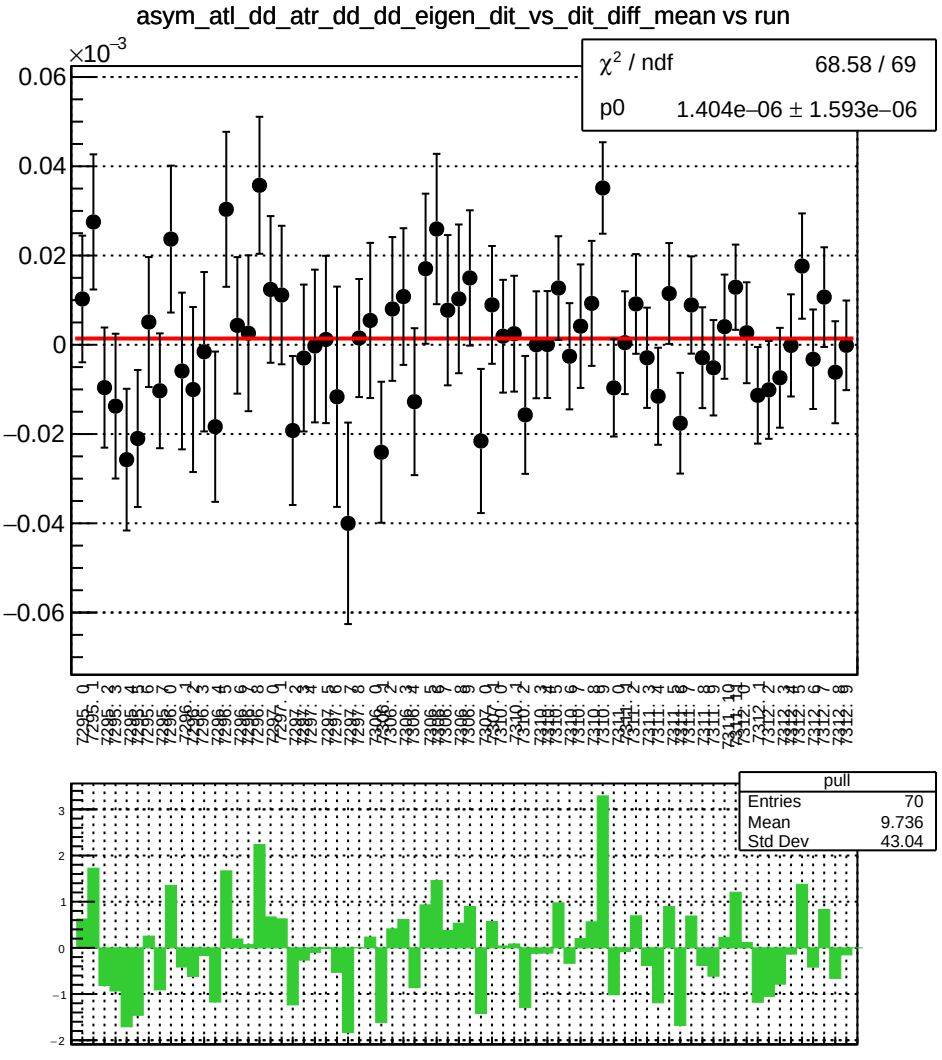

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

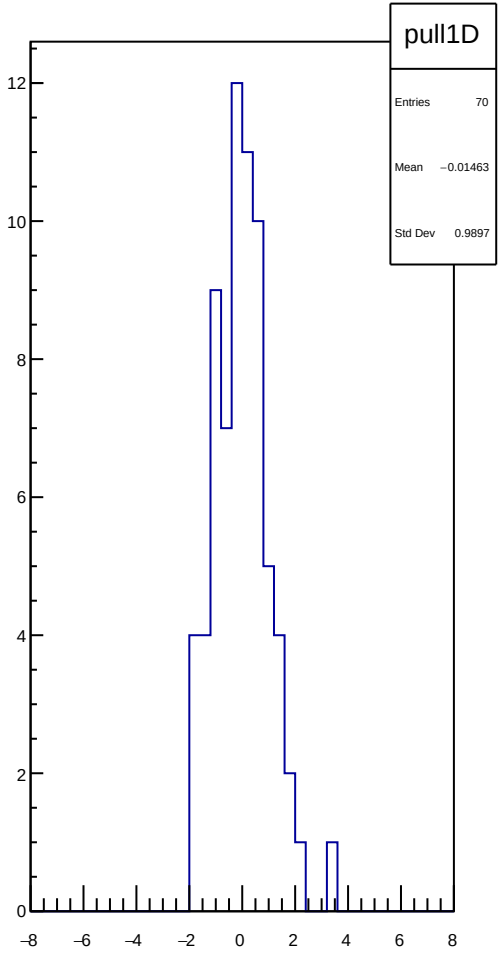

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

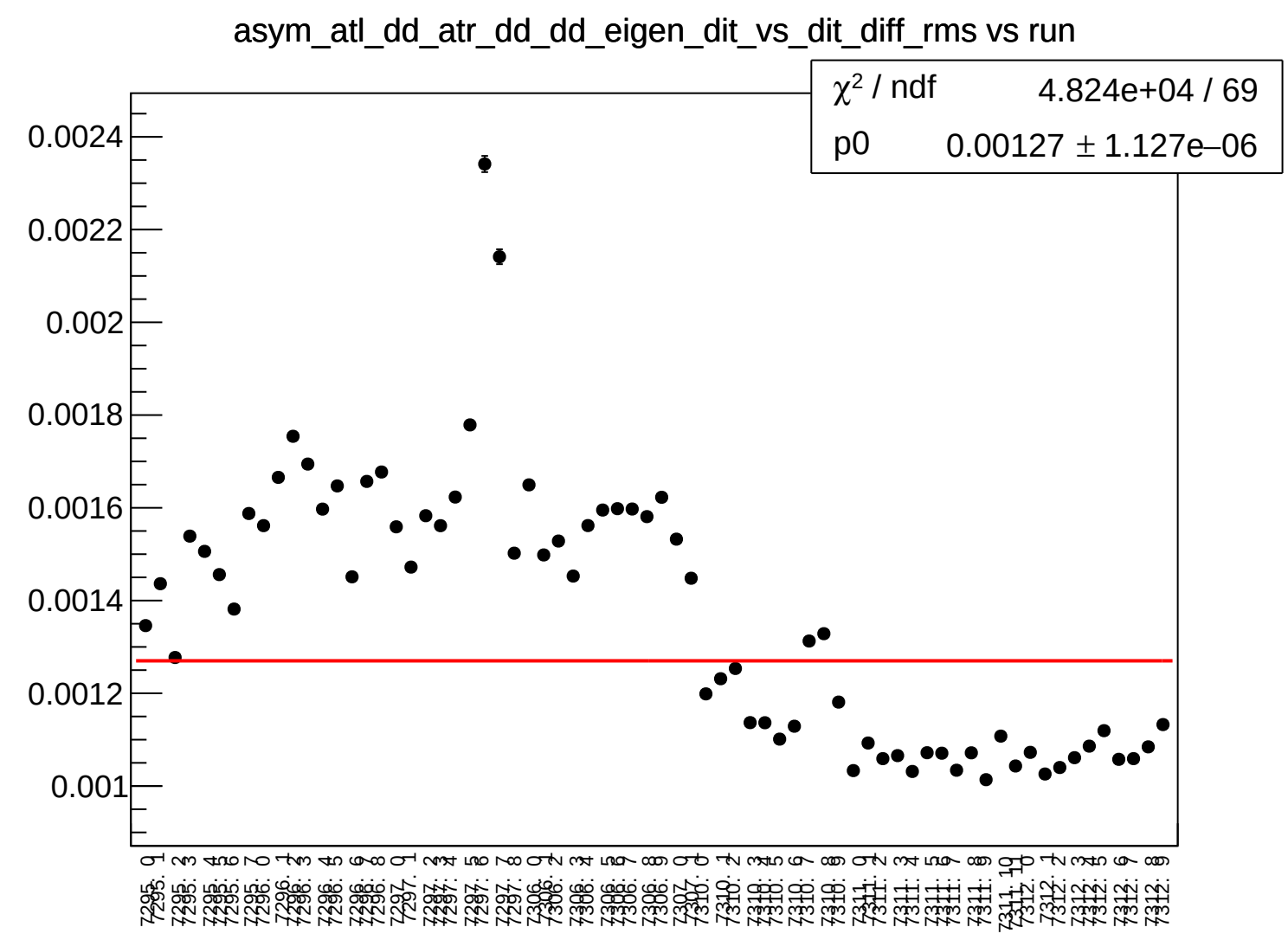

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

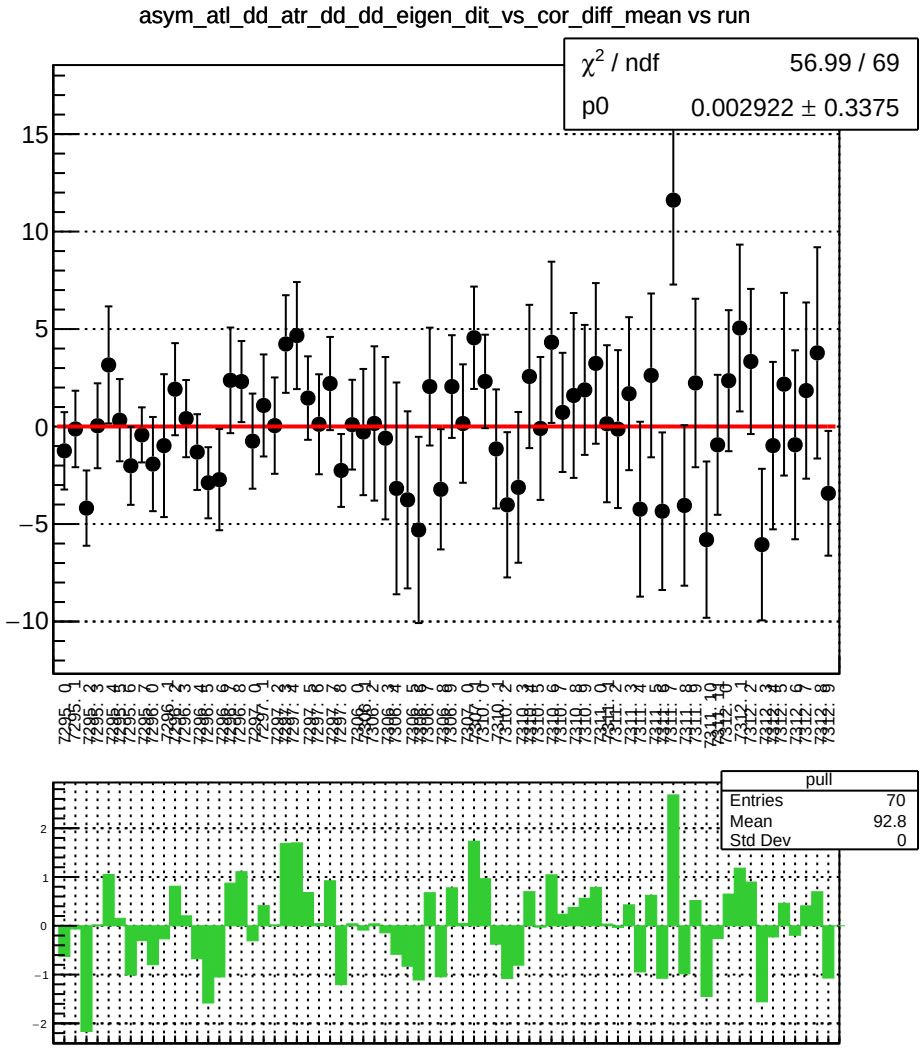

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

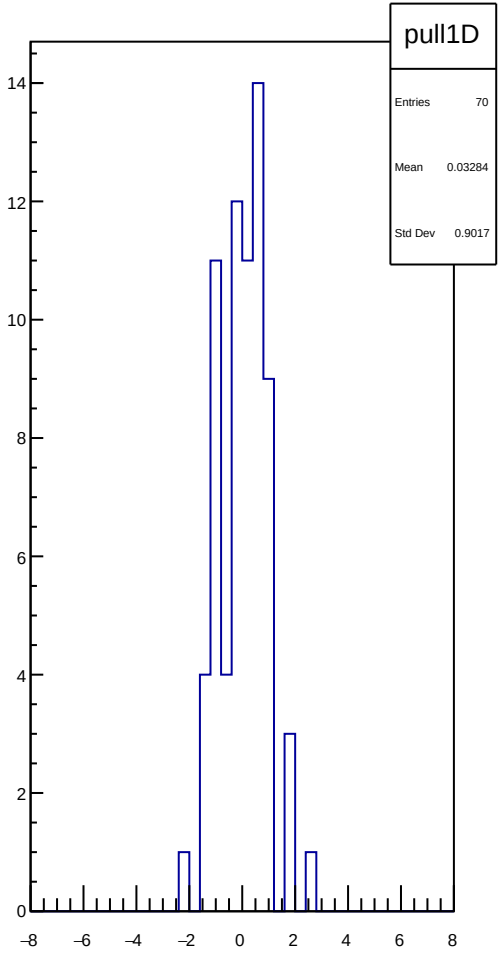

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

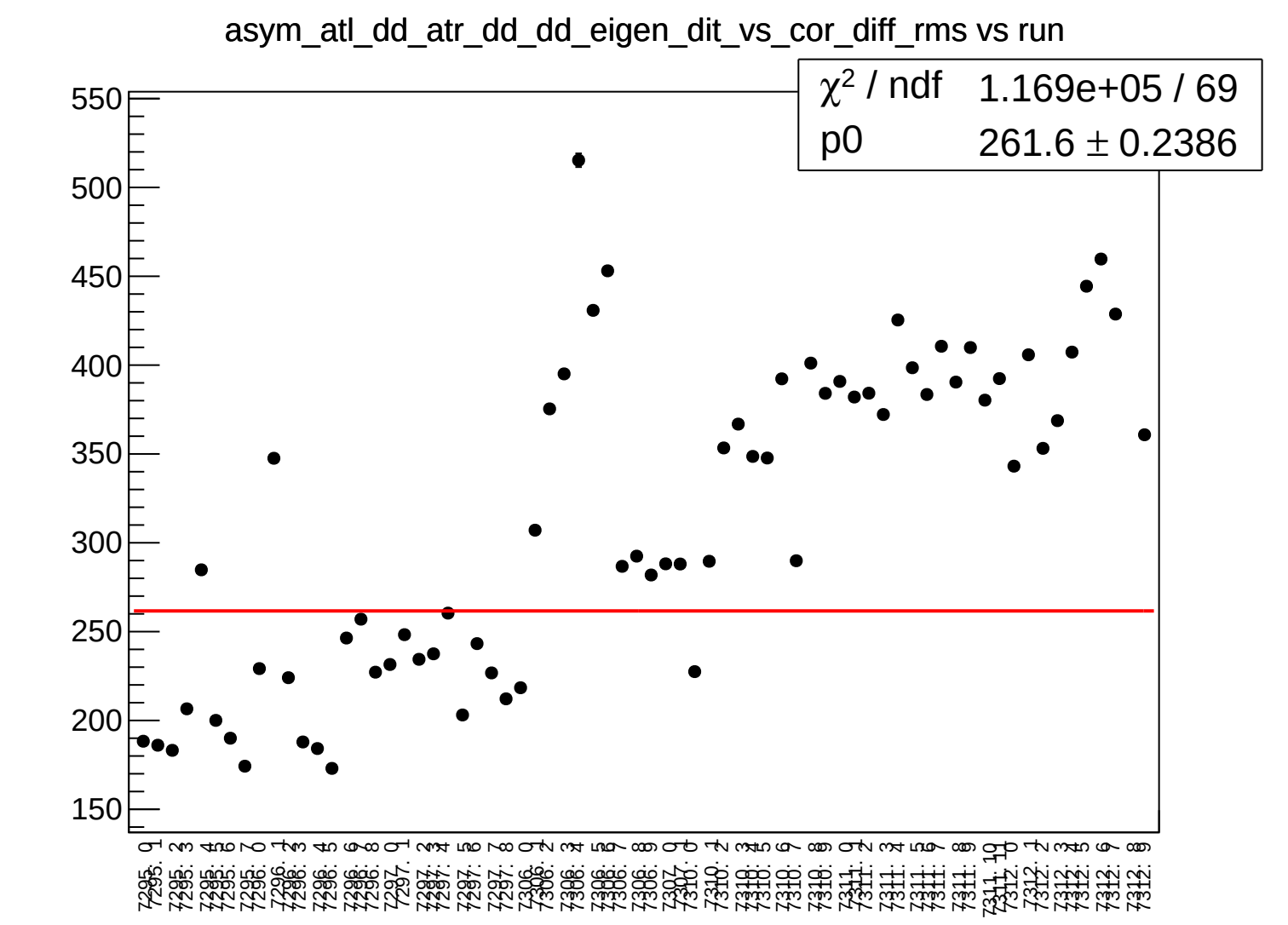

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.58 / 69
p0 1.404e−06 ± 1.593e−06
pull
Entries 70
Mean 9.736
Std Dev 43.04

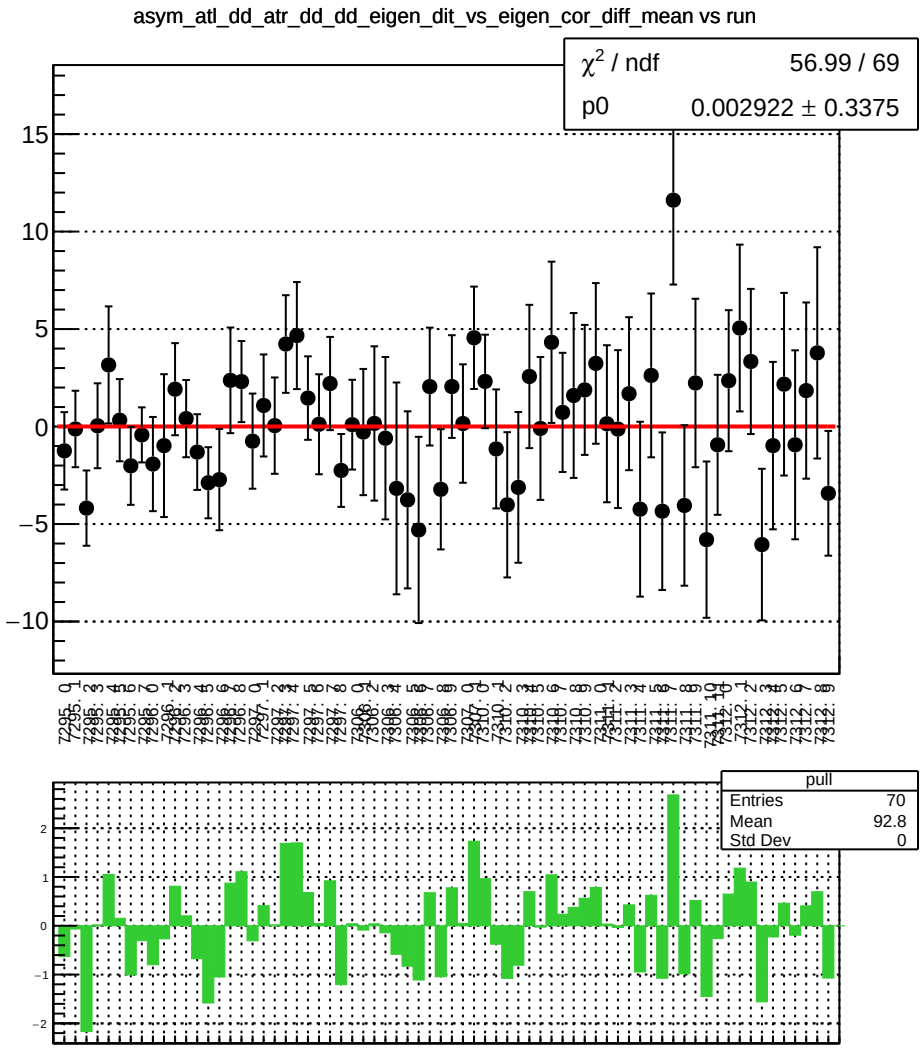

pull1D
Entries 70
Mean −0.01463
Std Dev 0.9897

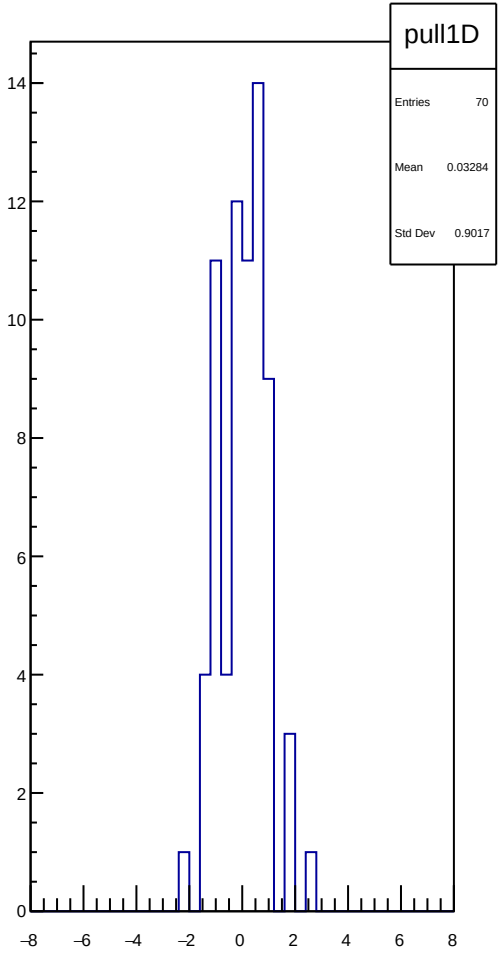

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.824e+04 / 69
p0 0.00127 ± 1.127e–06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001

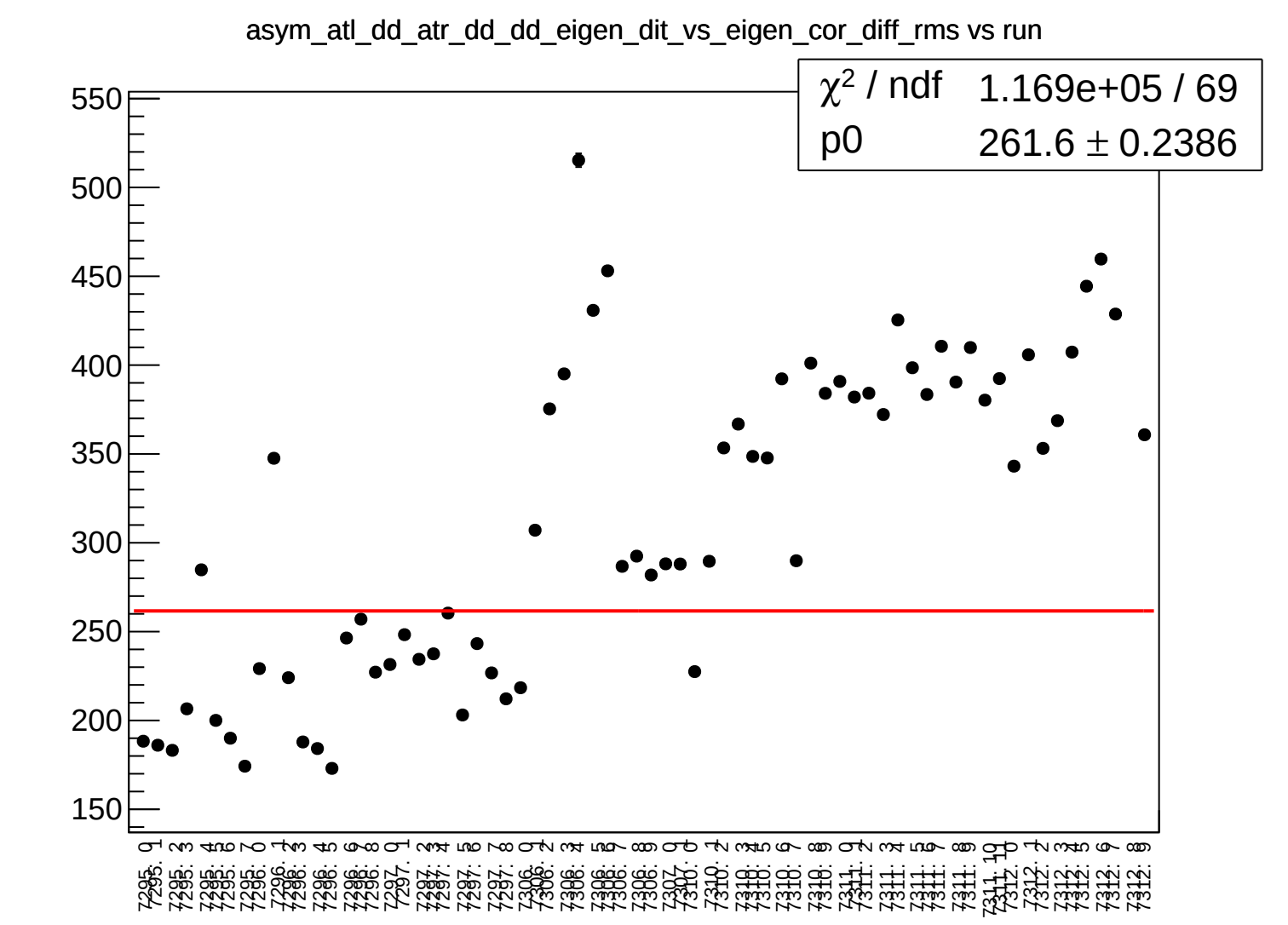

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

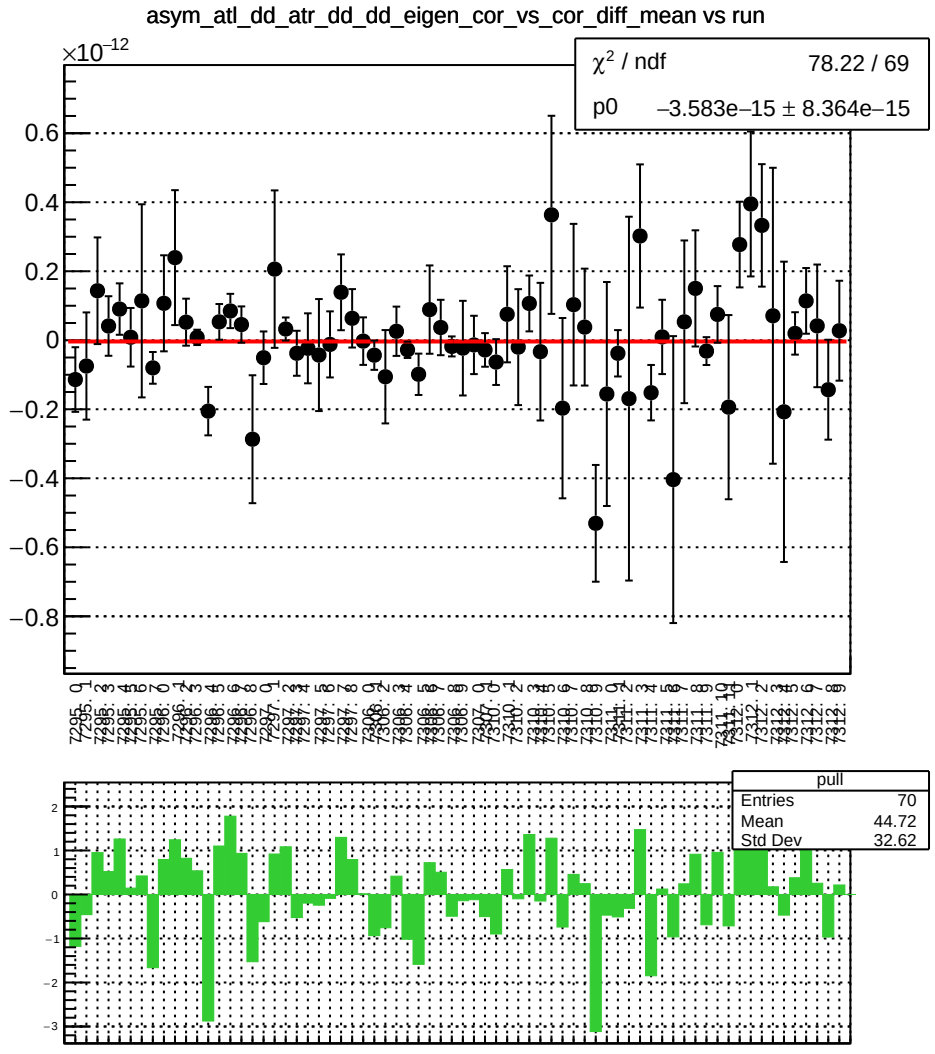

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

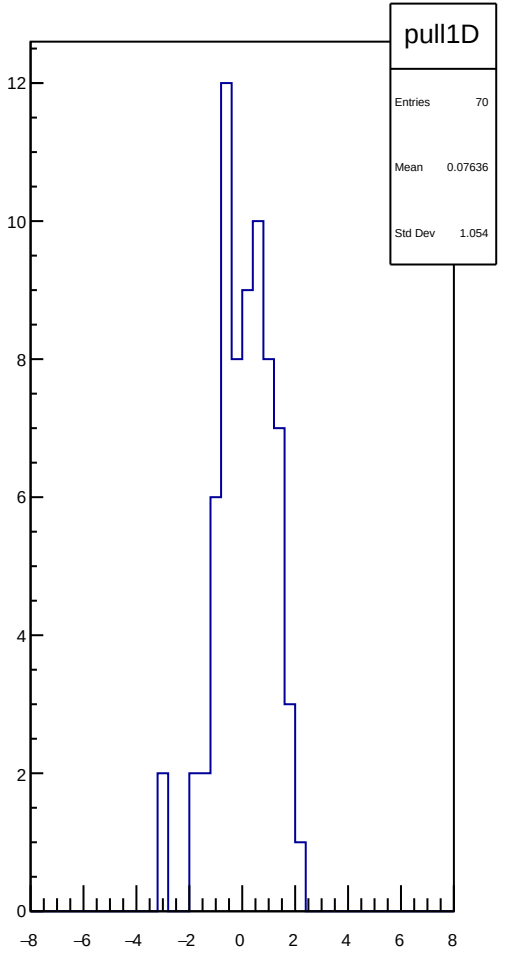

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

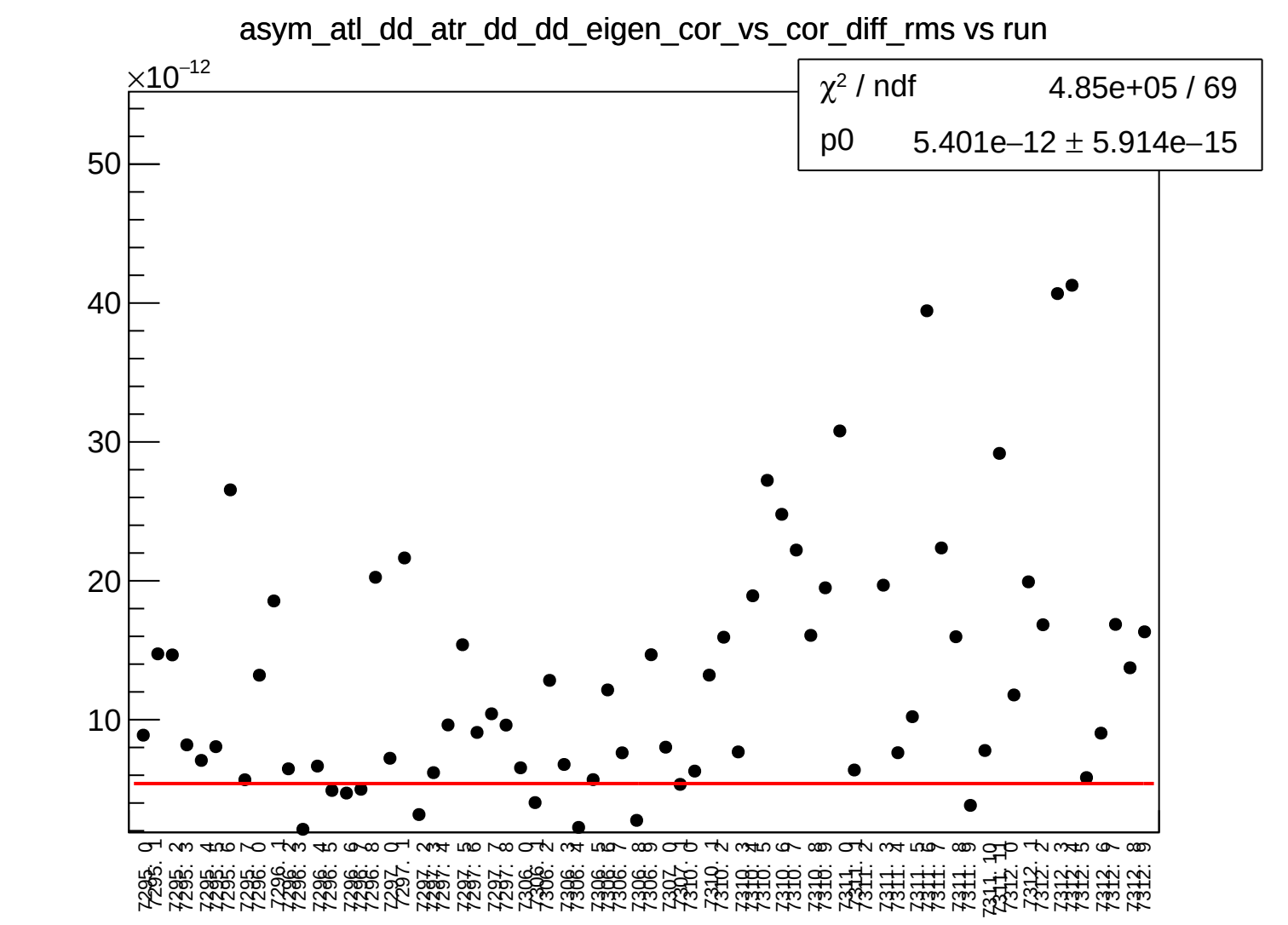

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

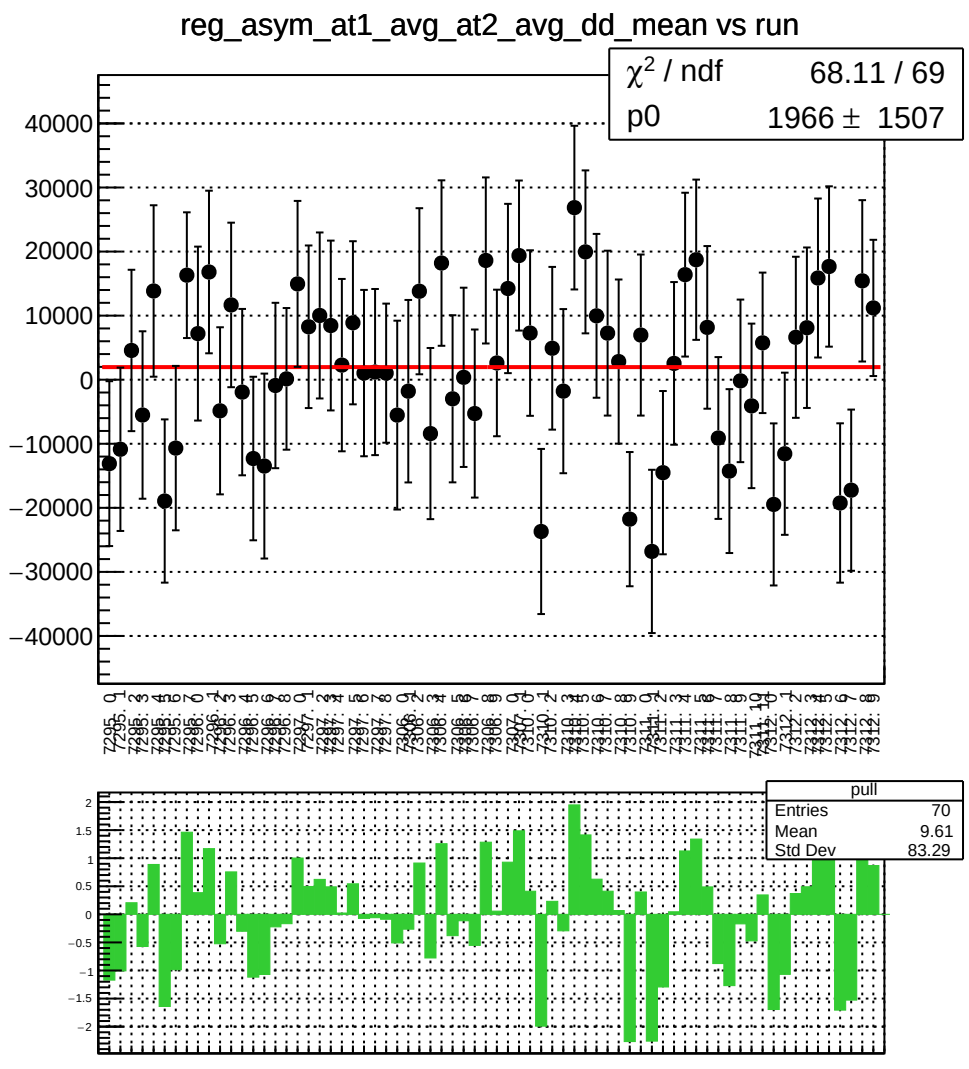

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

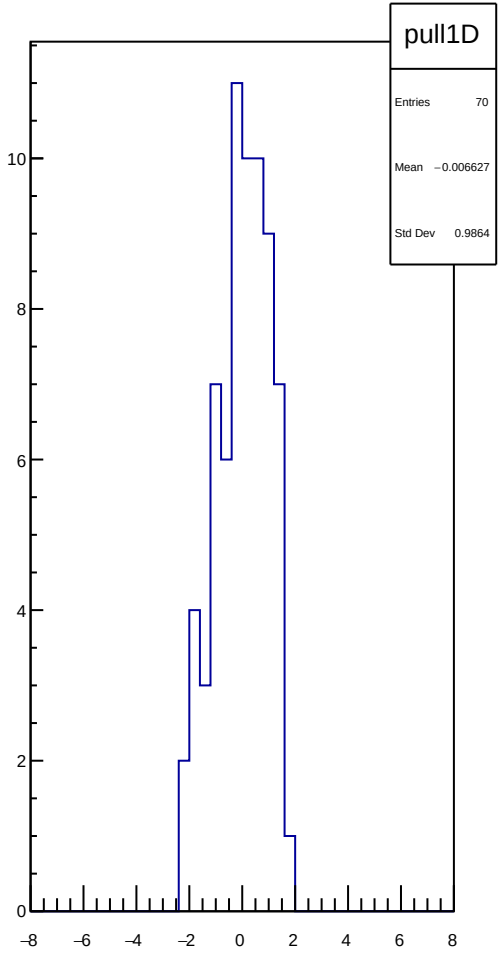

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

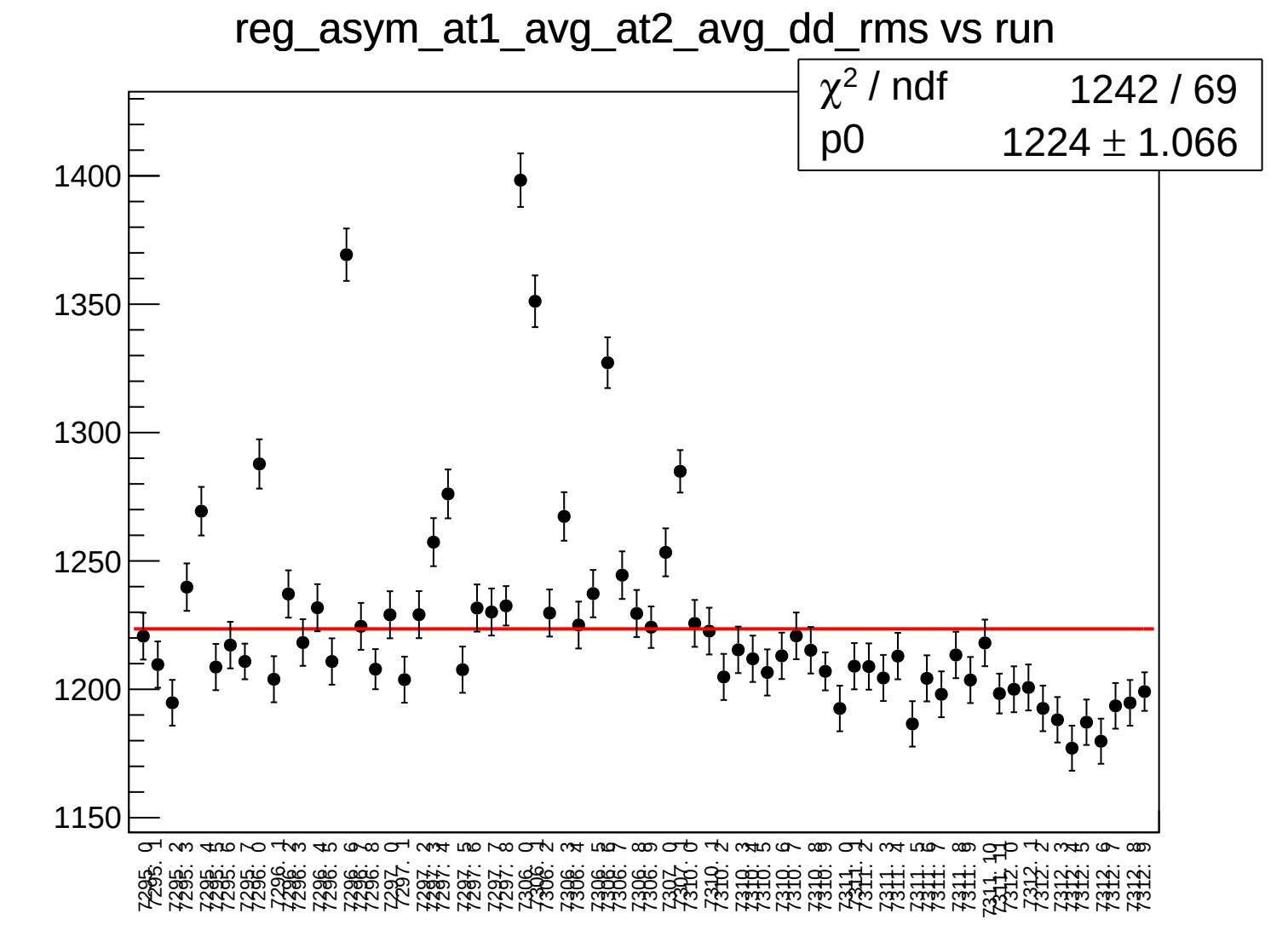

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.22 / 69
p0 −3.583e−15 ± 8.364e−15
pull
Entries 70
Mean 44.72
Std Dev 32.62

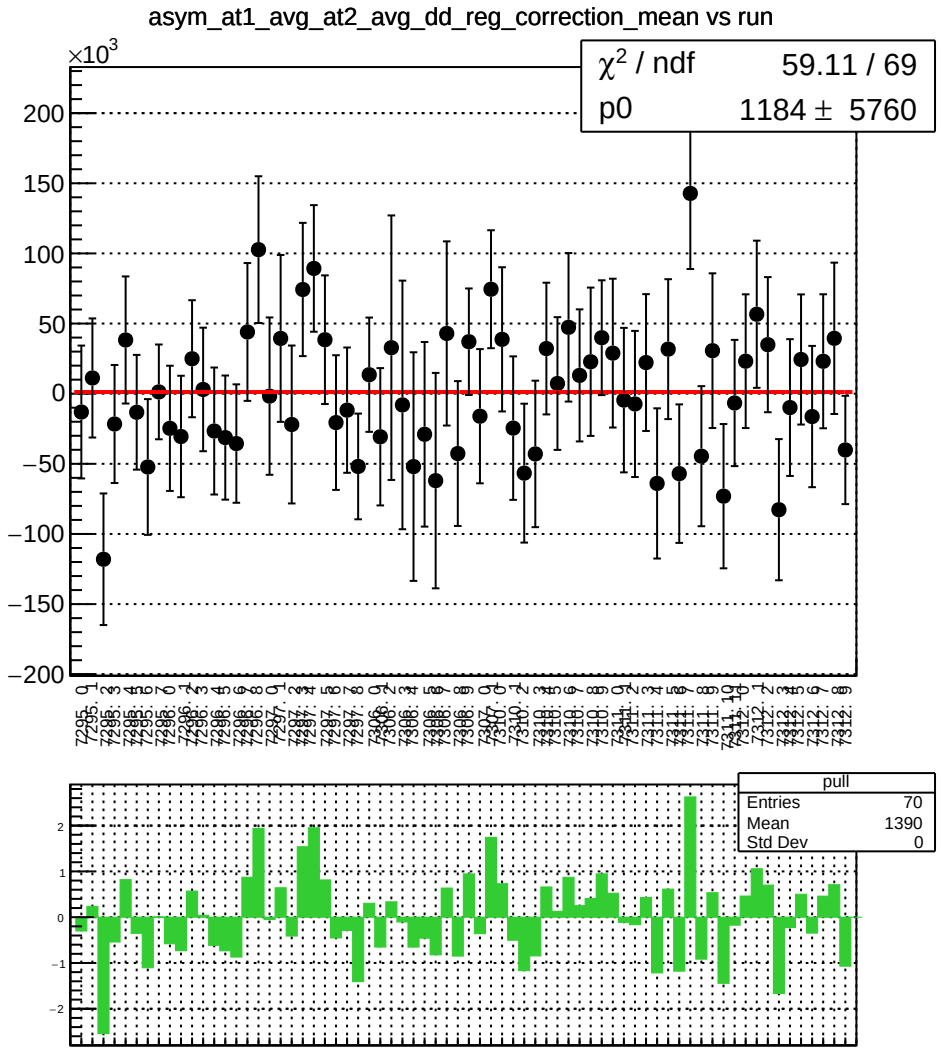

pull1D
Entries 70
Mean 0.07636
Std Dev 1.054

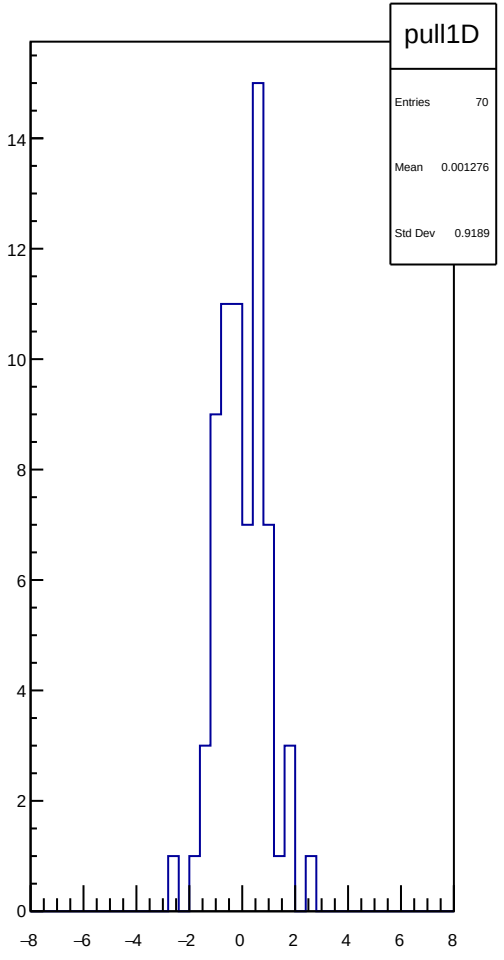

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.85e+05 / 69
p0 5.401e−12 ± 5.914e−15
50
40
30
20
10

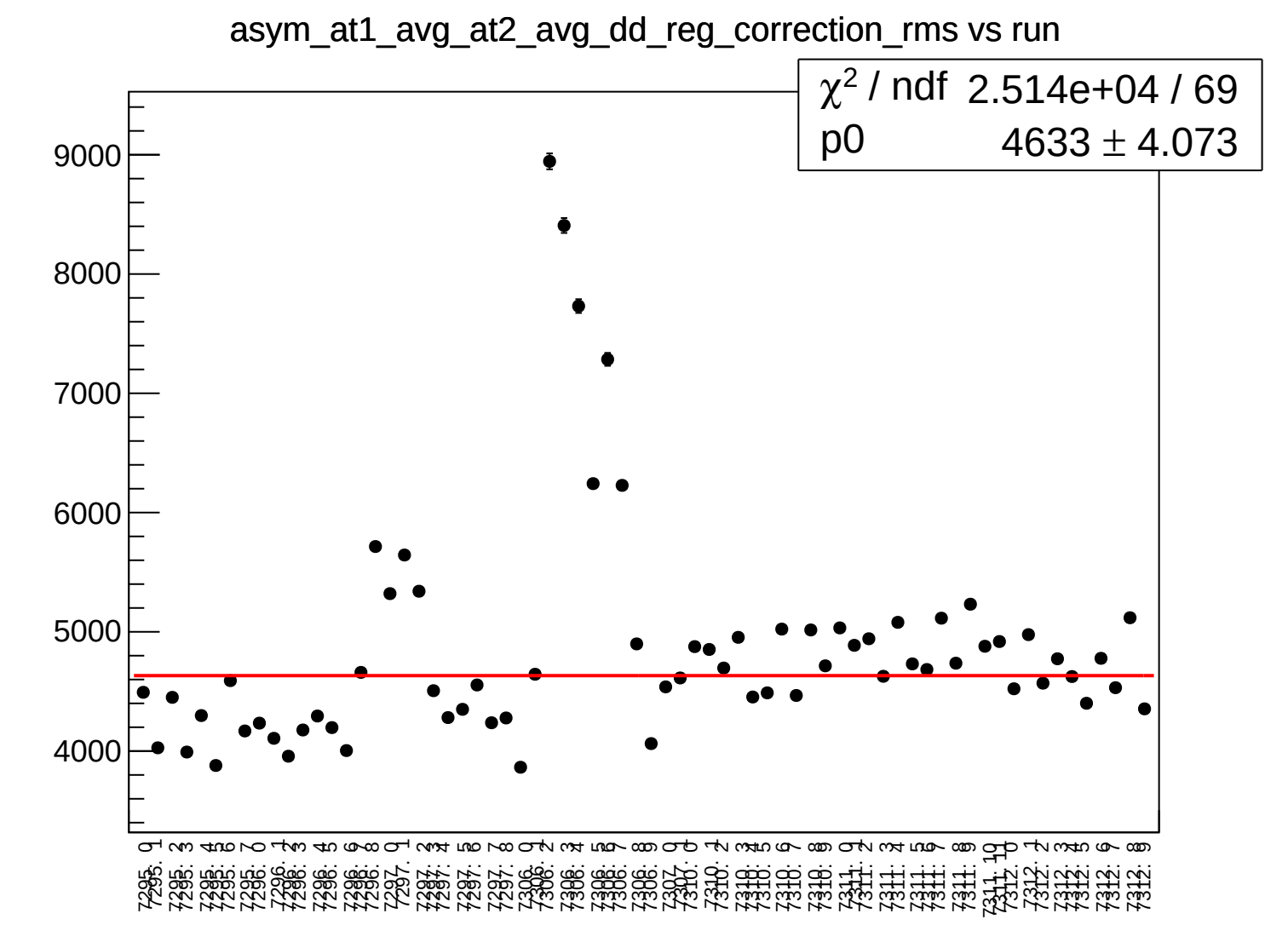

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.61
Std Dev 83.29

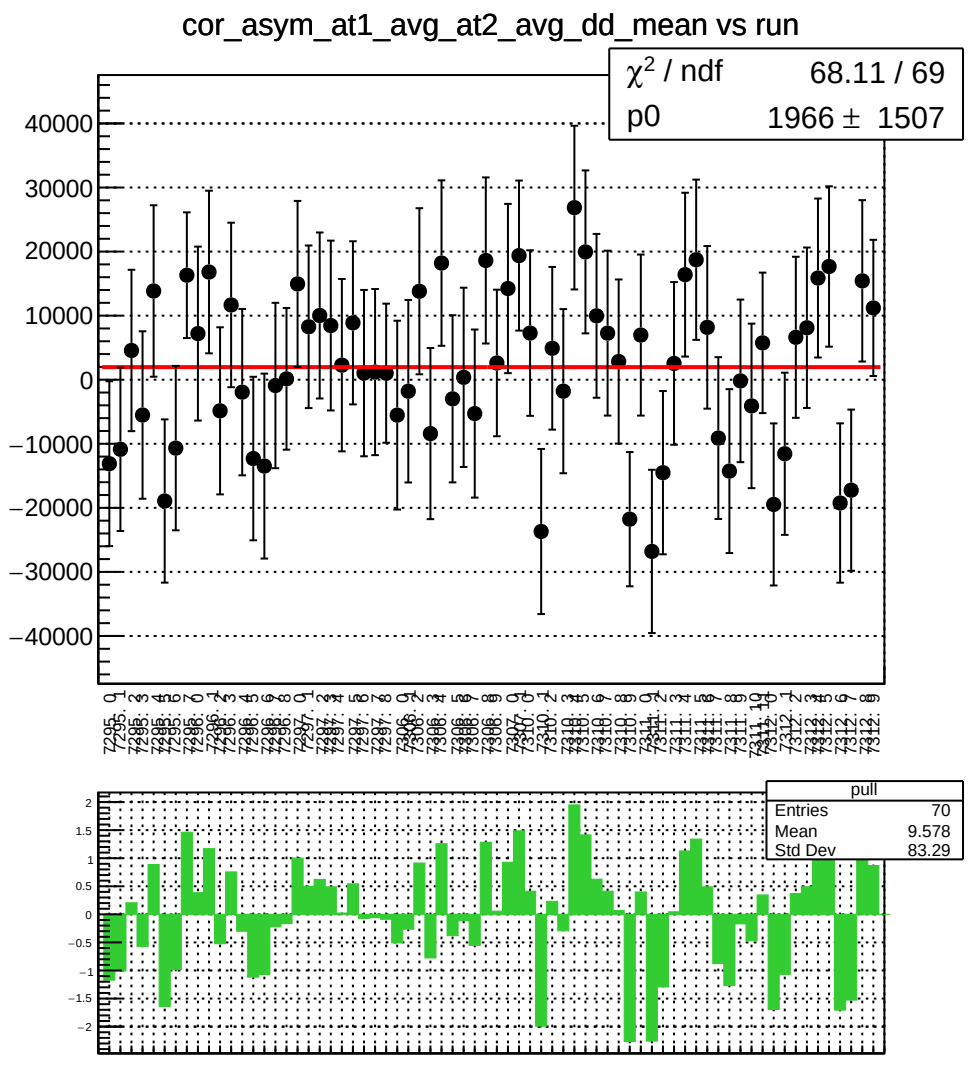

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

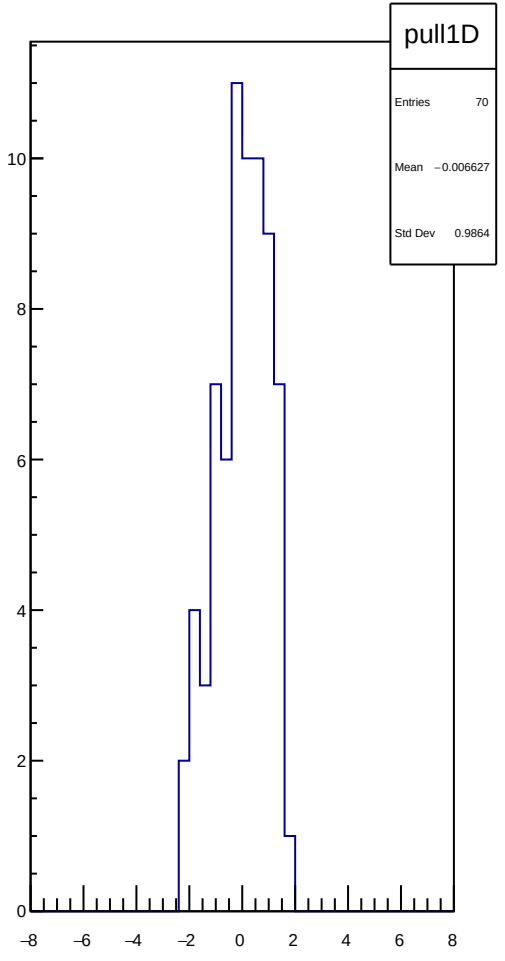

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

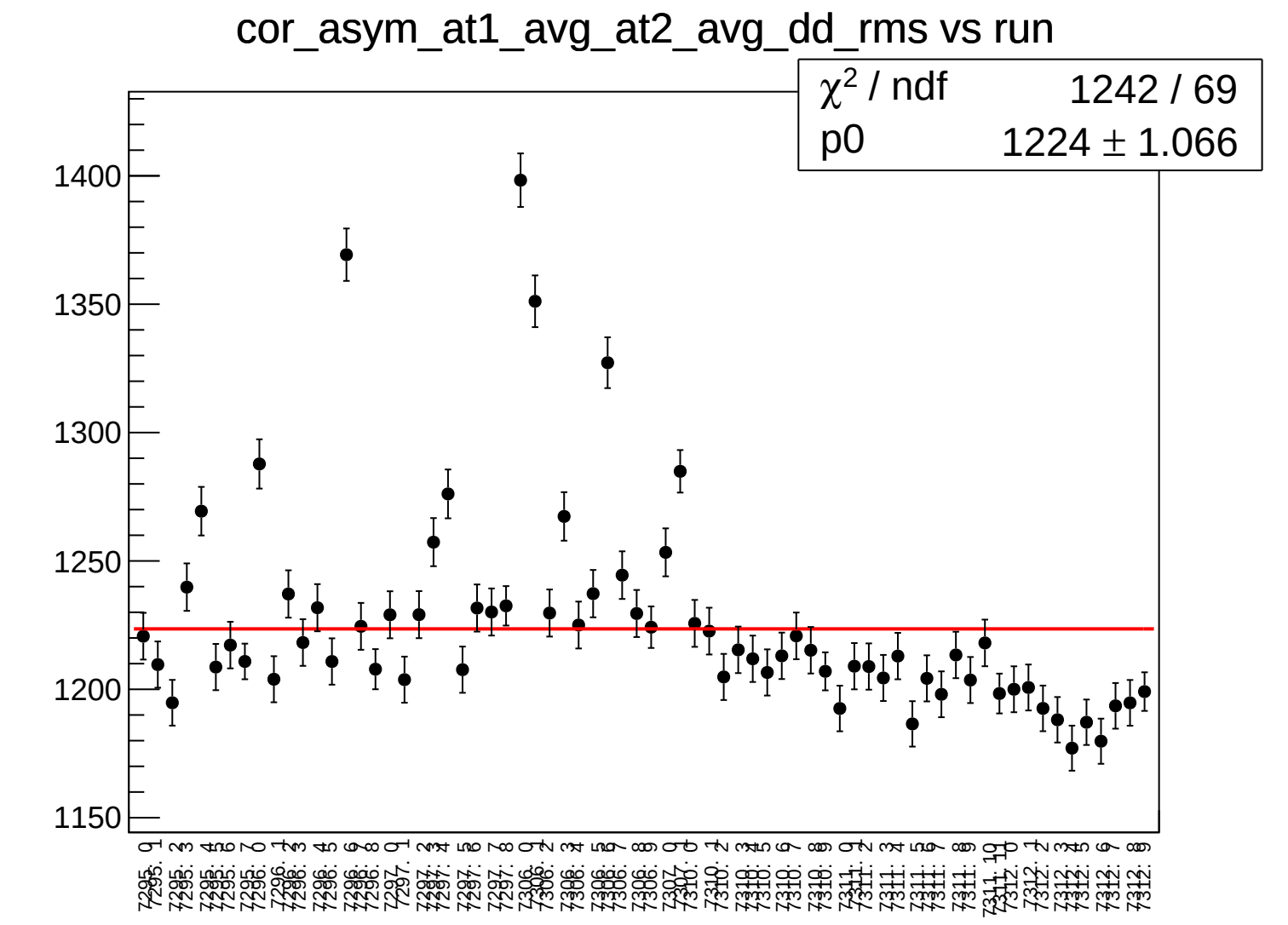

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 59.11 / 69
p0 1184 ± 5760
pull
Entries 70
Mean 1390
Std Dev 0

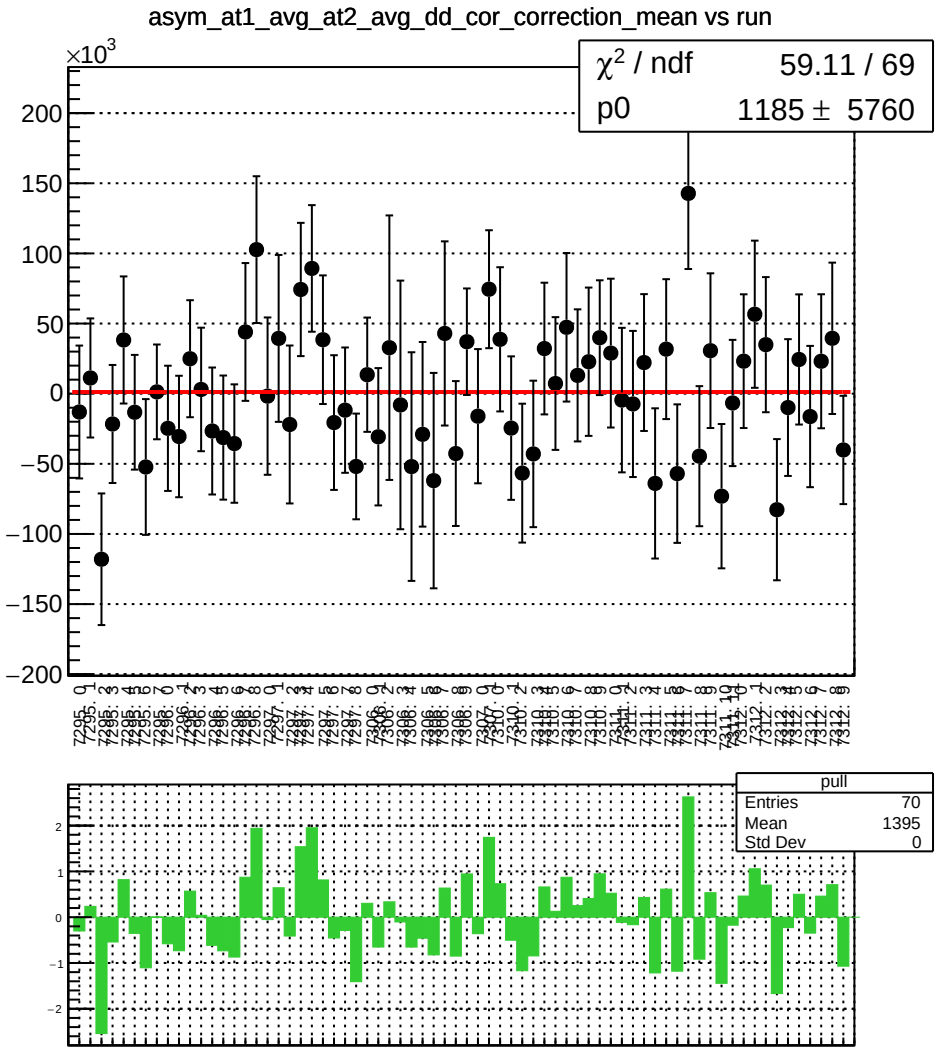

pull1D
Entries 70
Mean 0.001276
Std Dev 0.9189

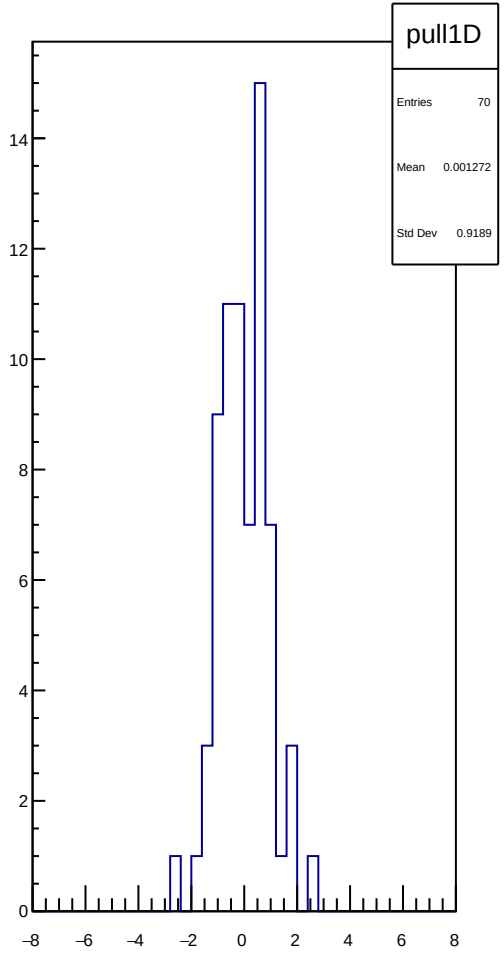

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ^2 / ndf 2.514e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

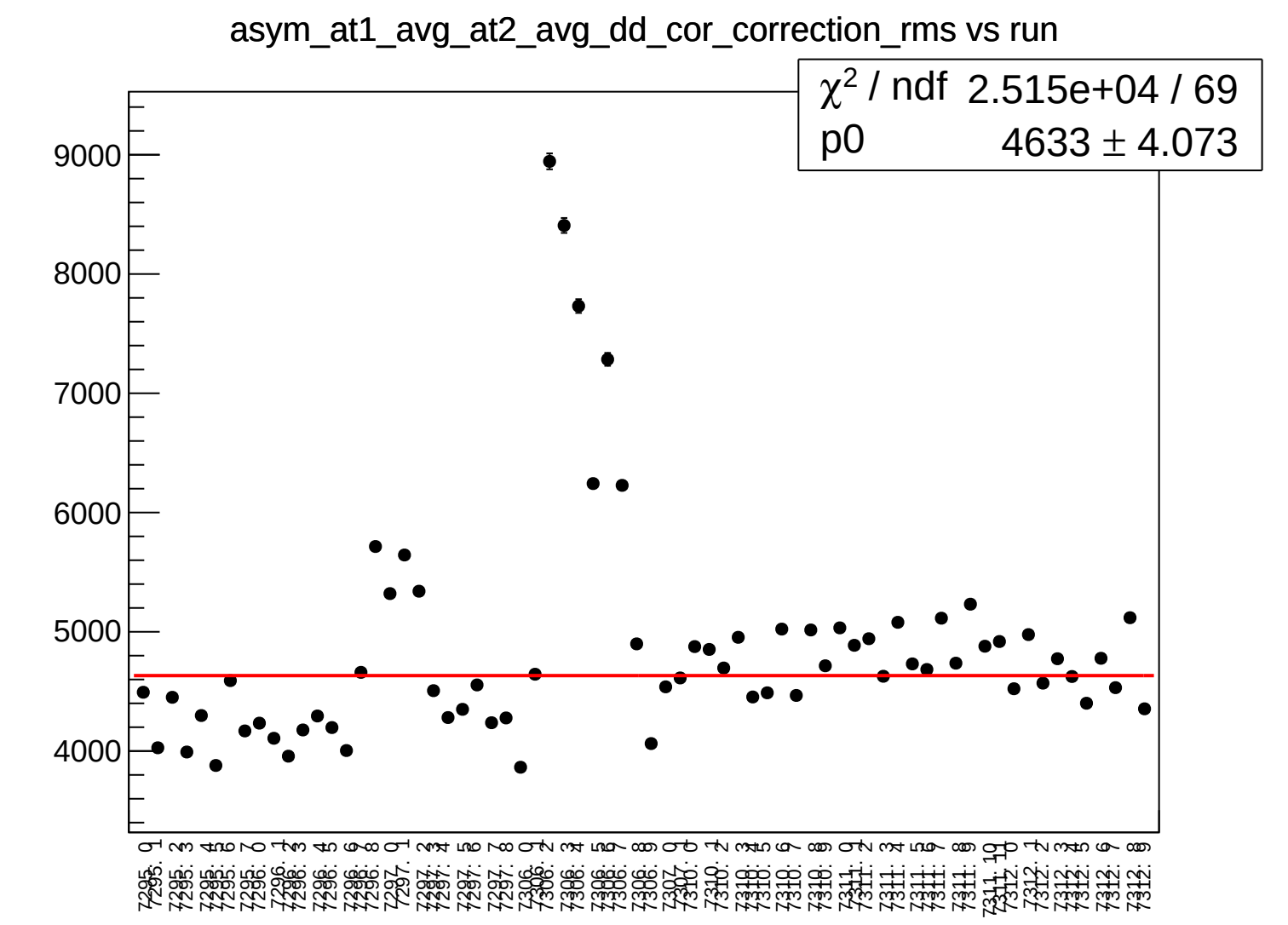

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

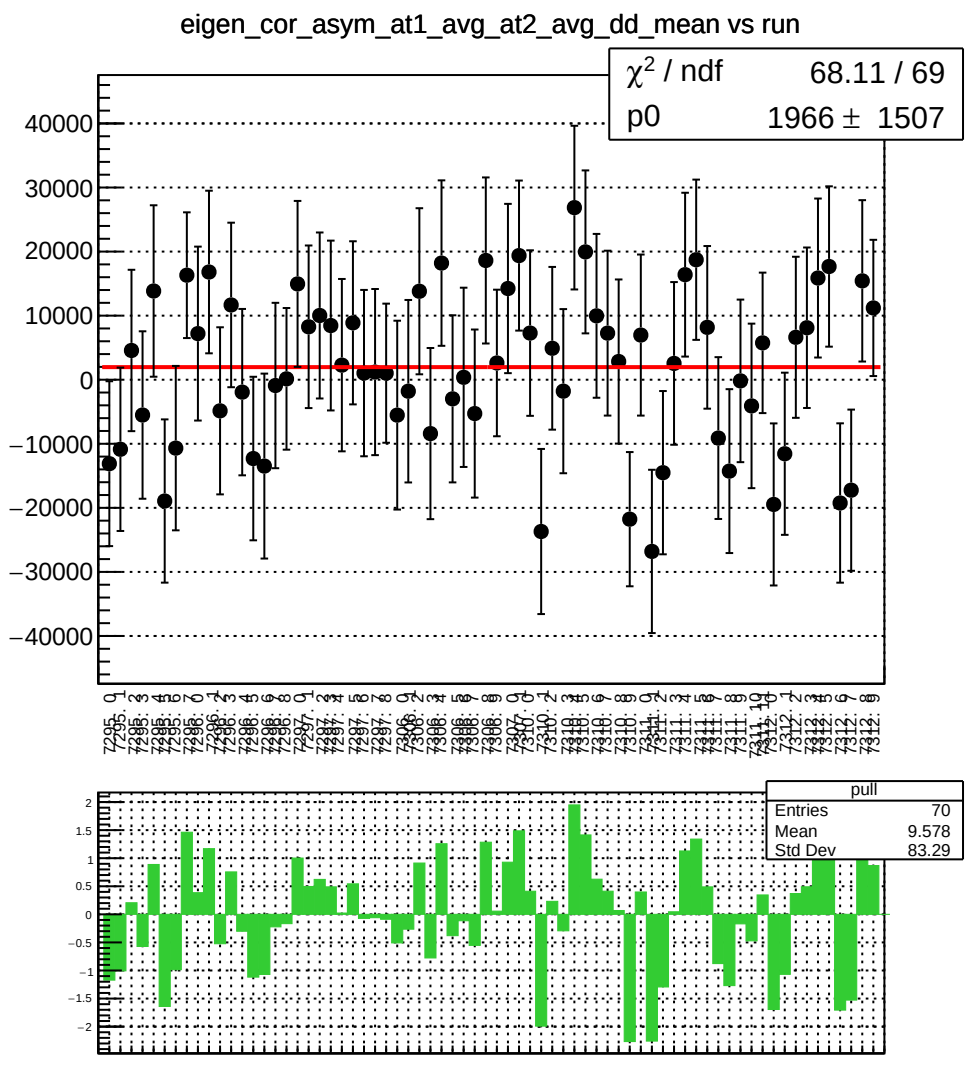

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

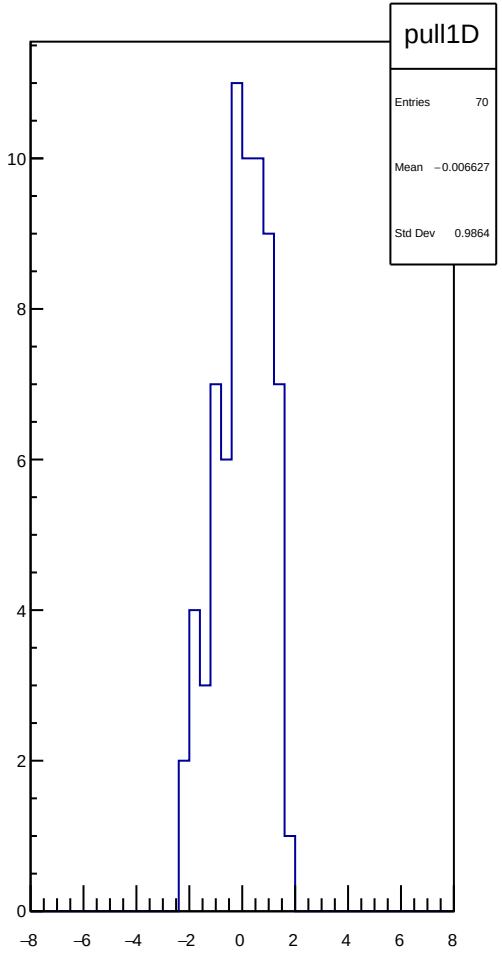

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

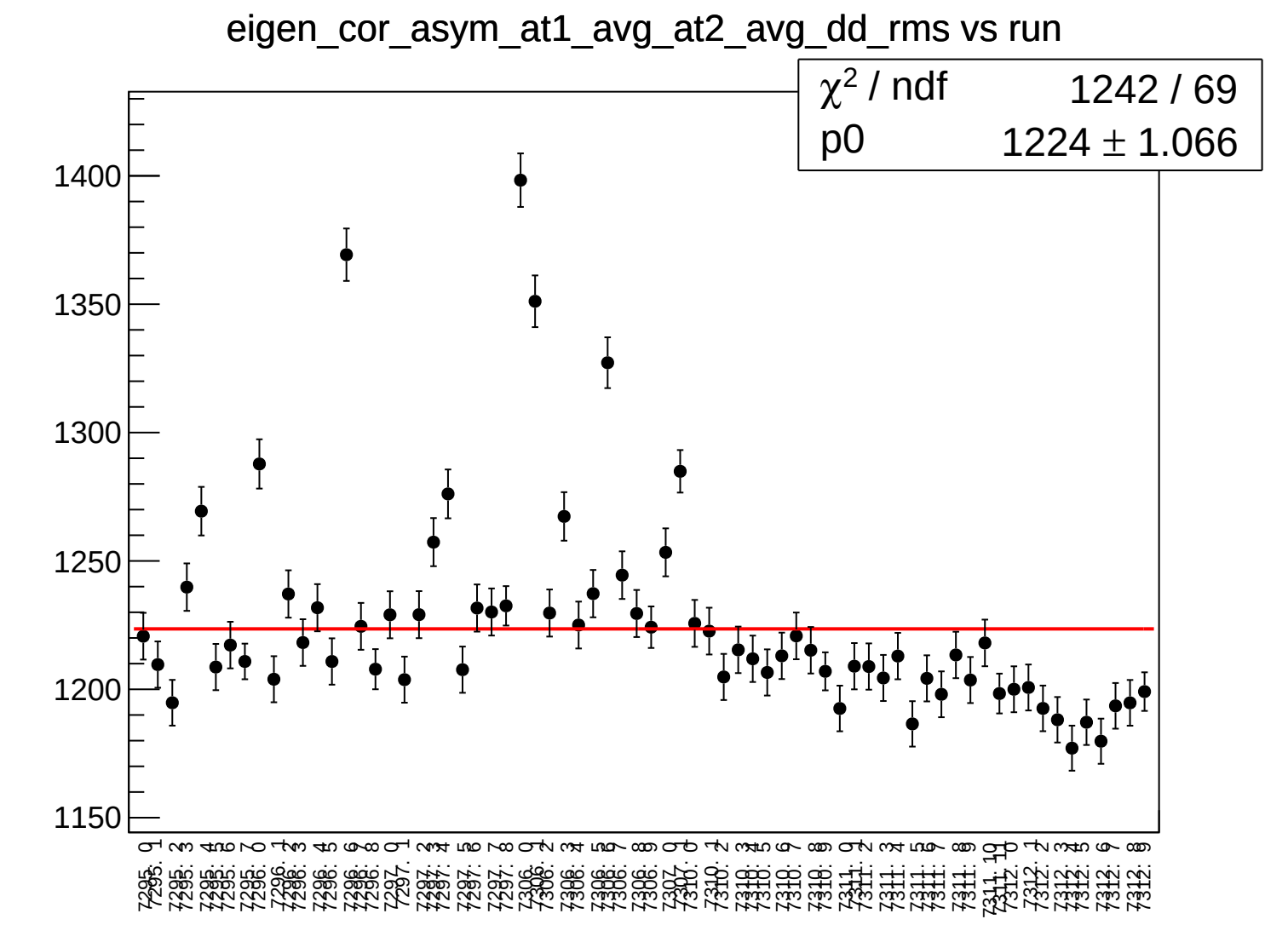

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

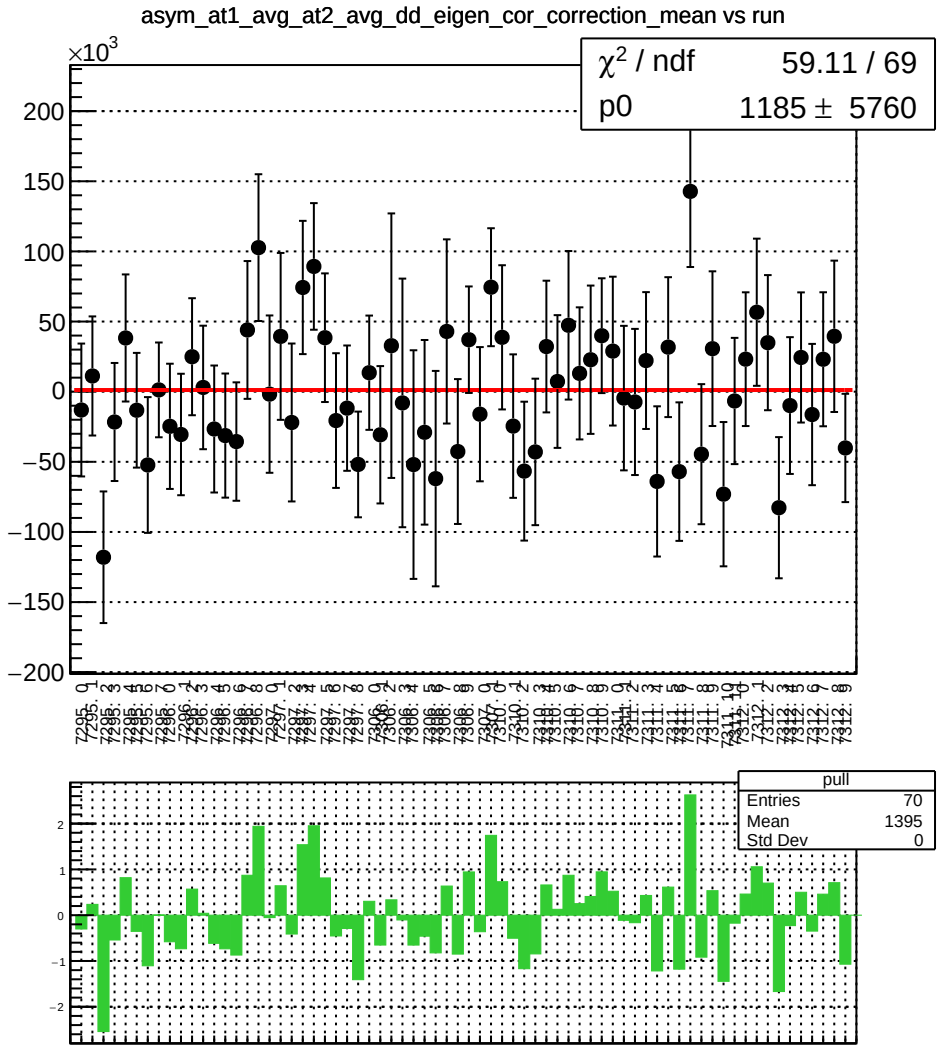

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

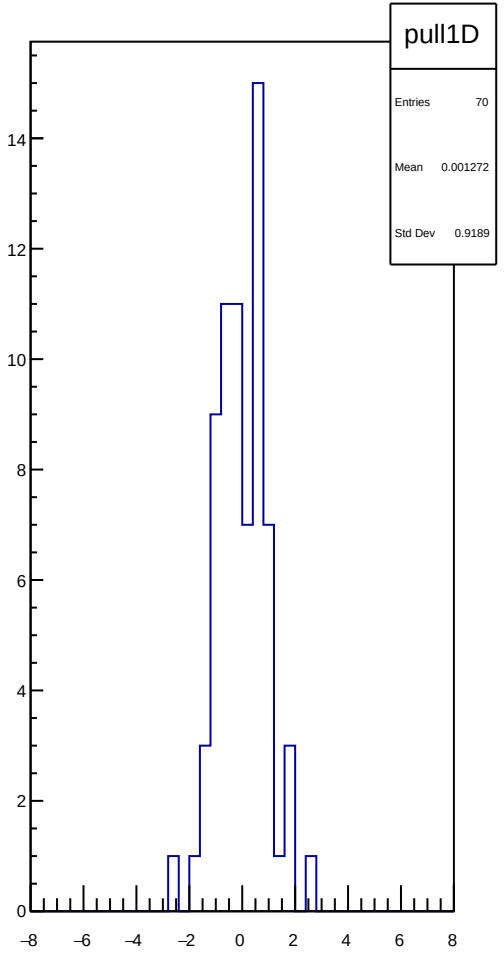

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

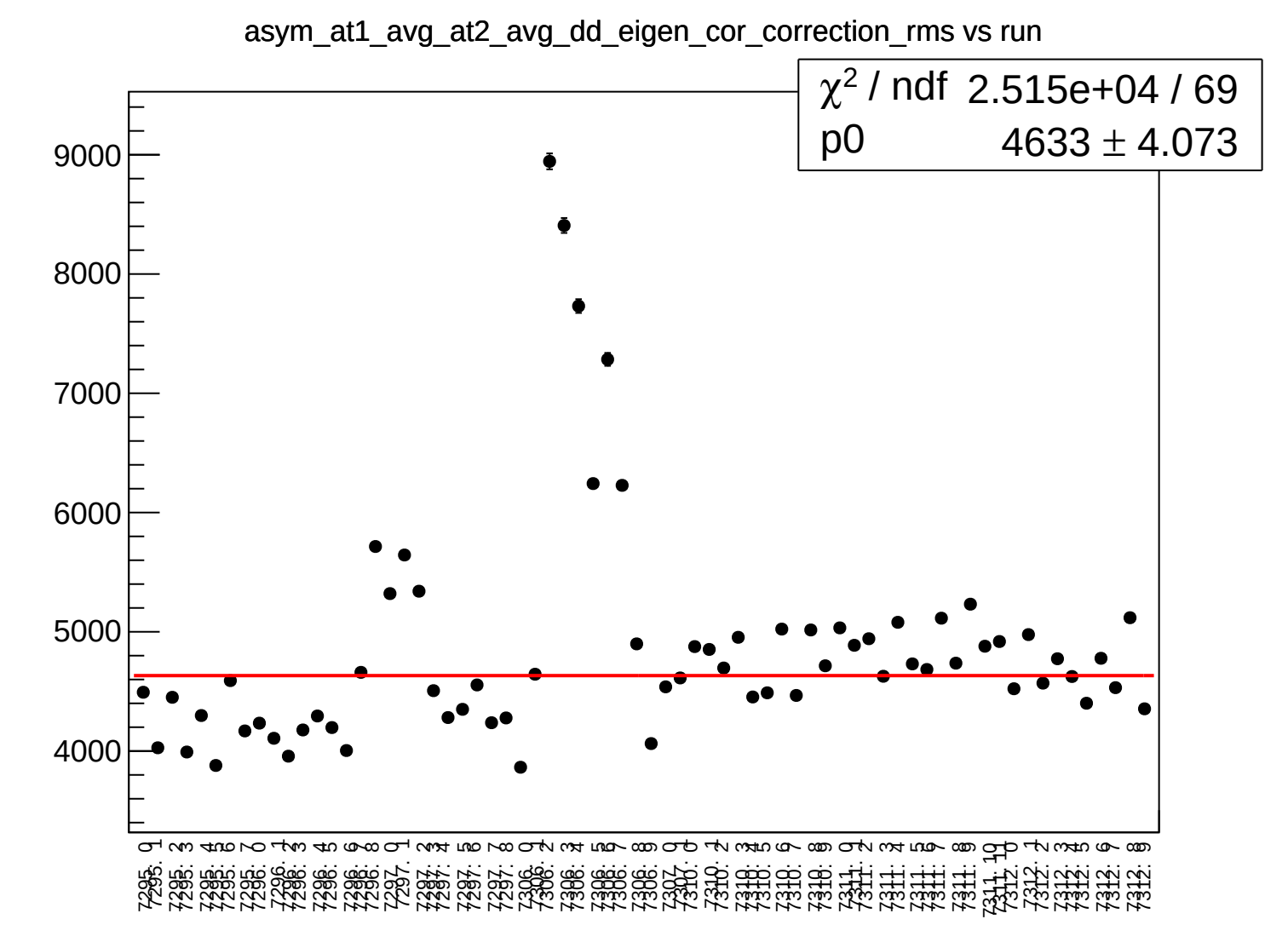

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

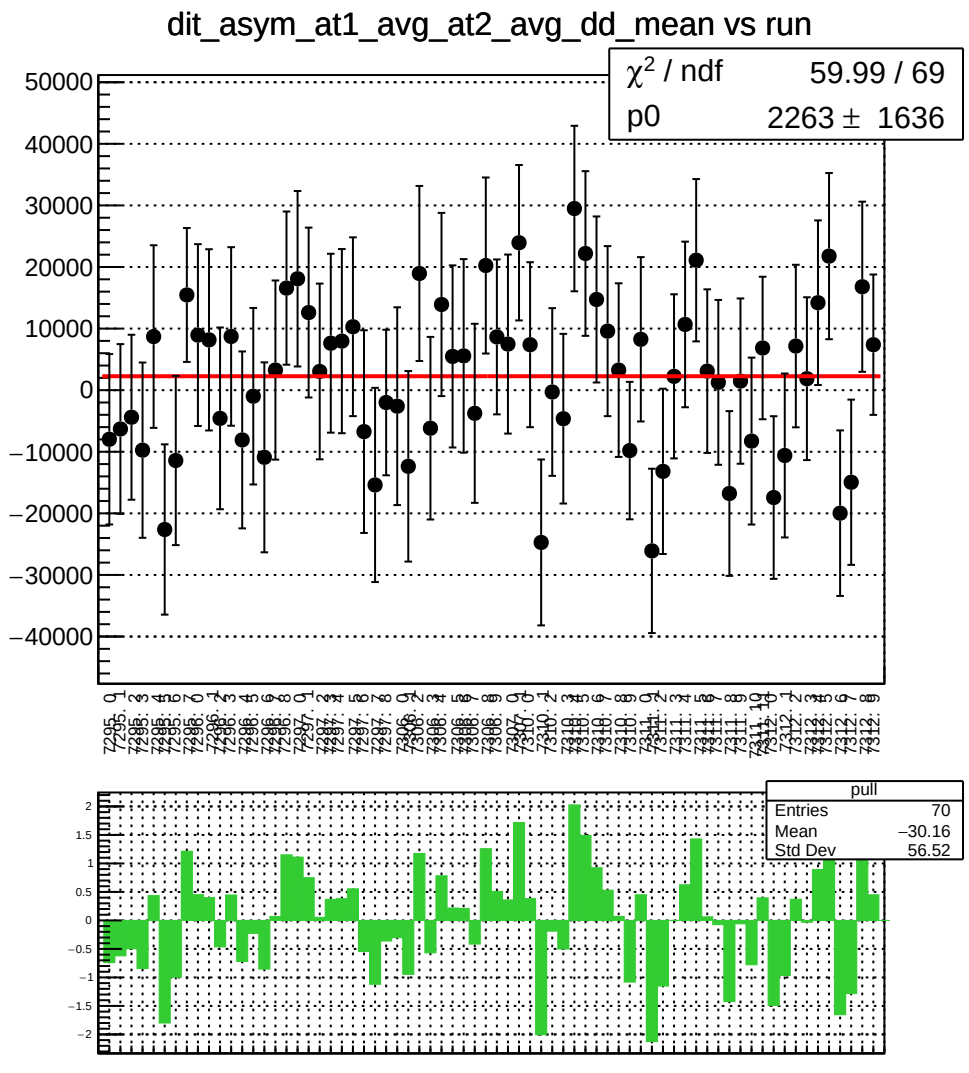

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

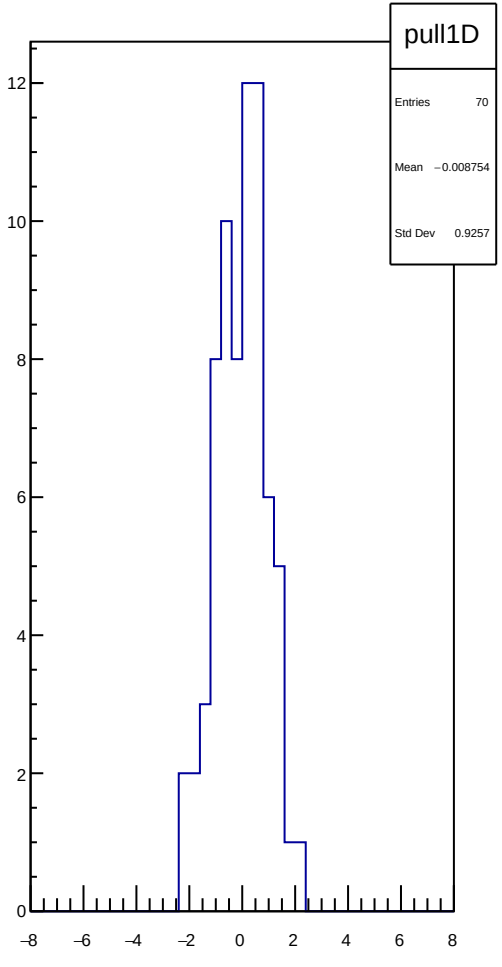

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

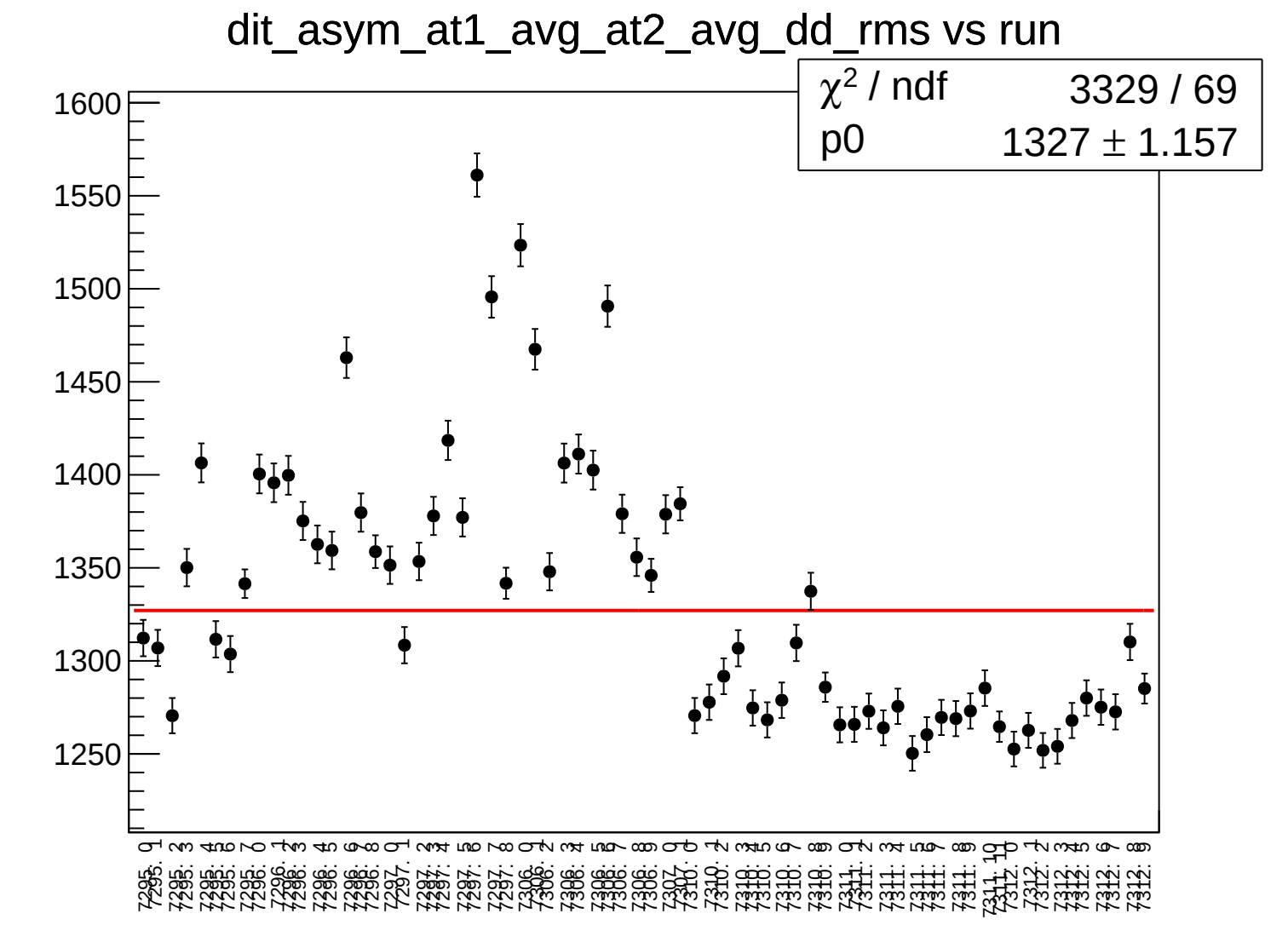

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

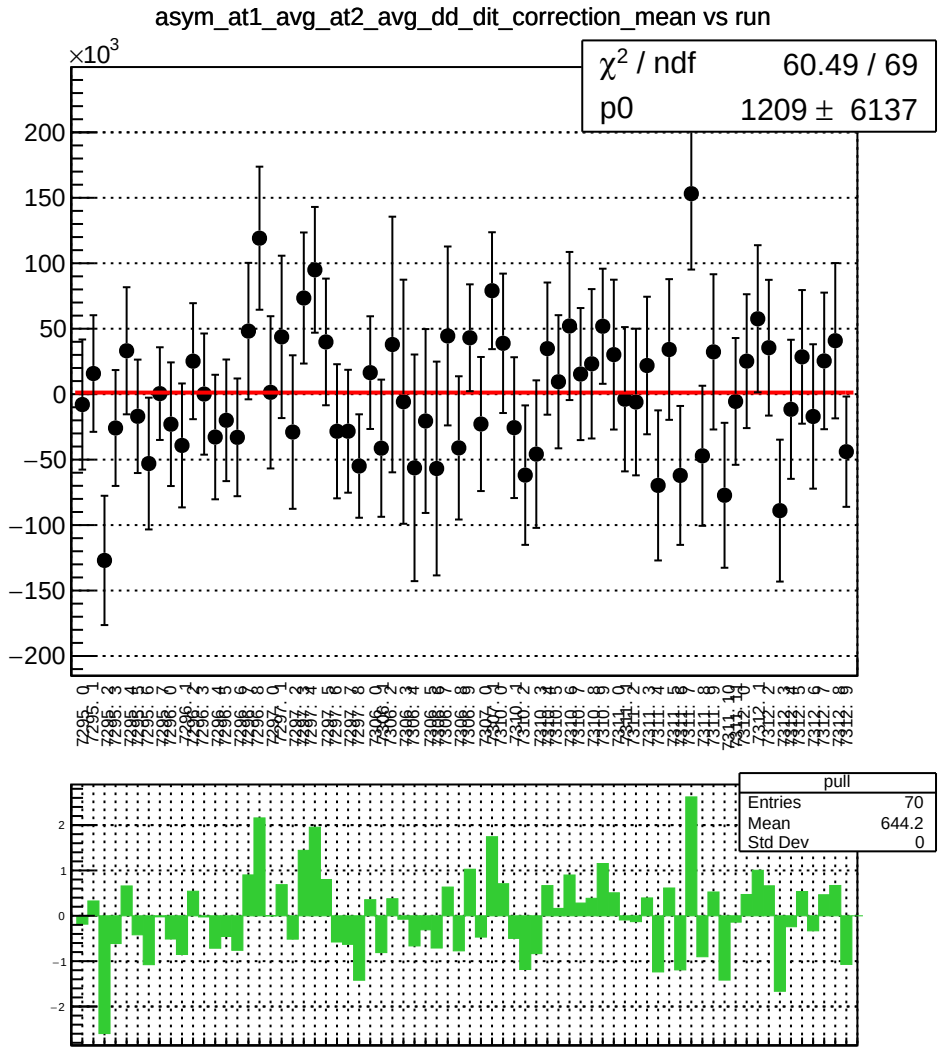

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

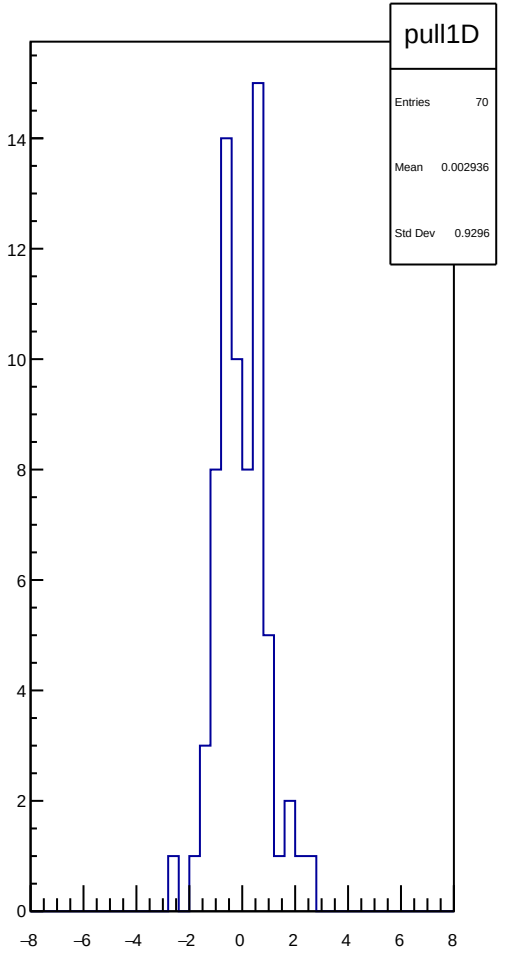

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

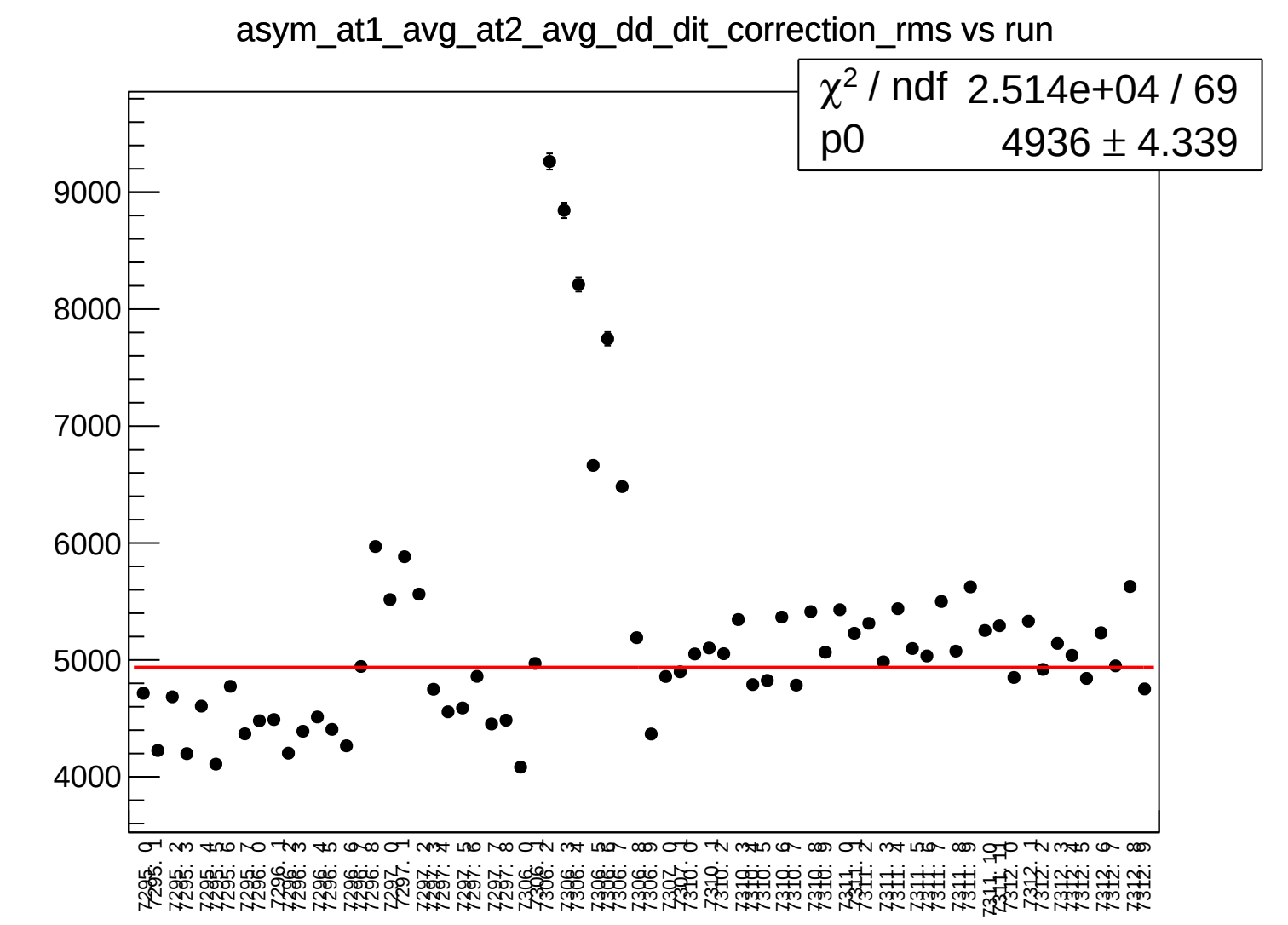

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.16
Std Dev 56.52

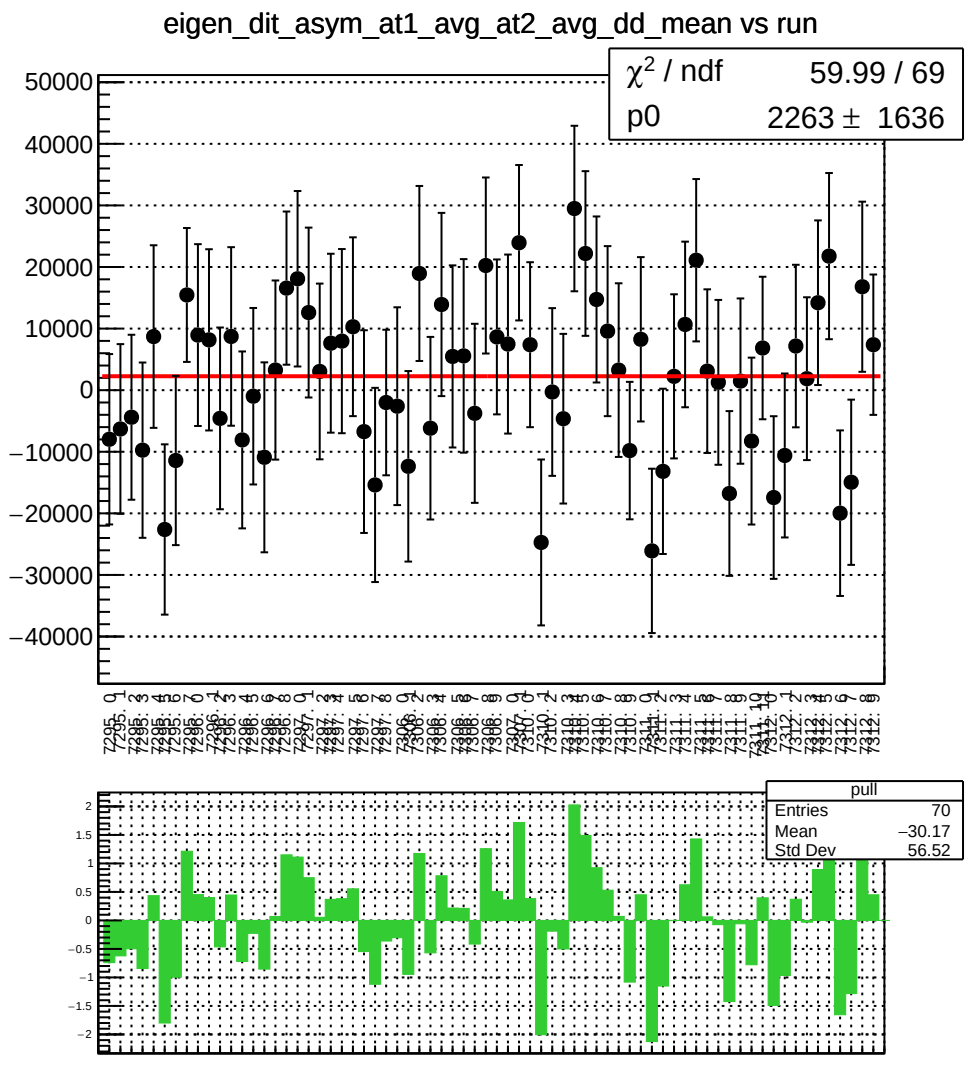

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

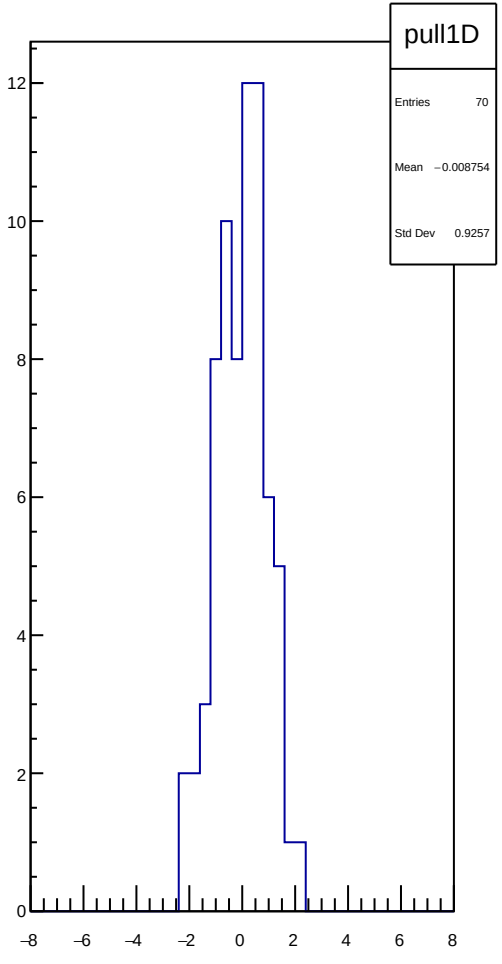

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

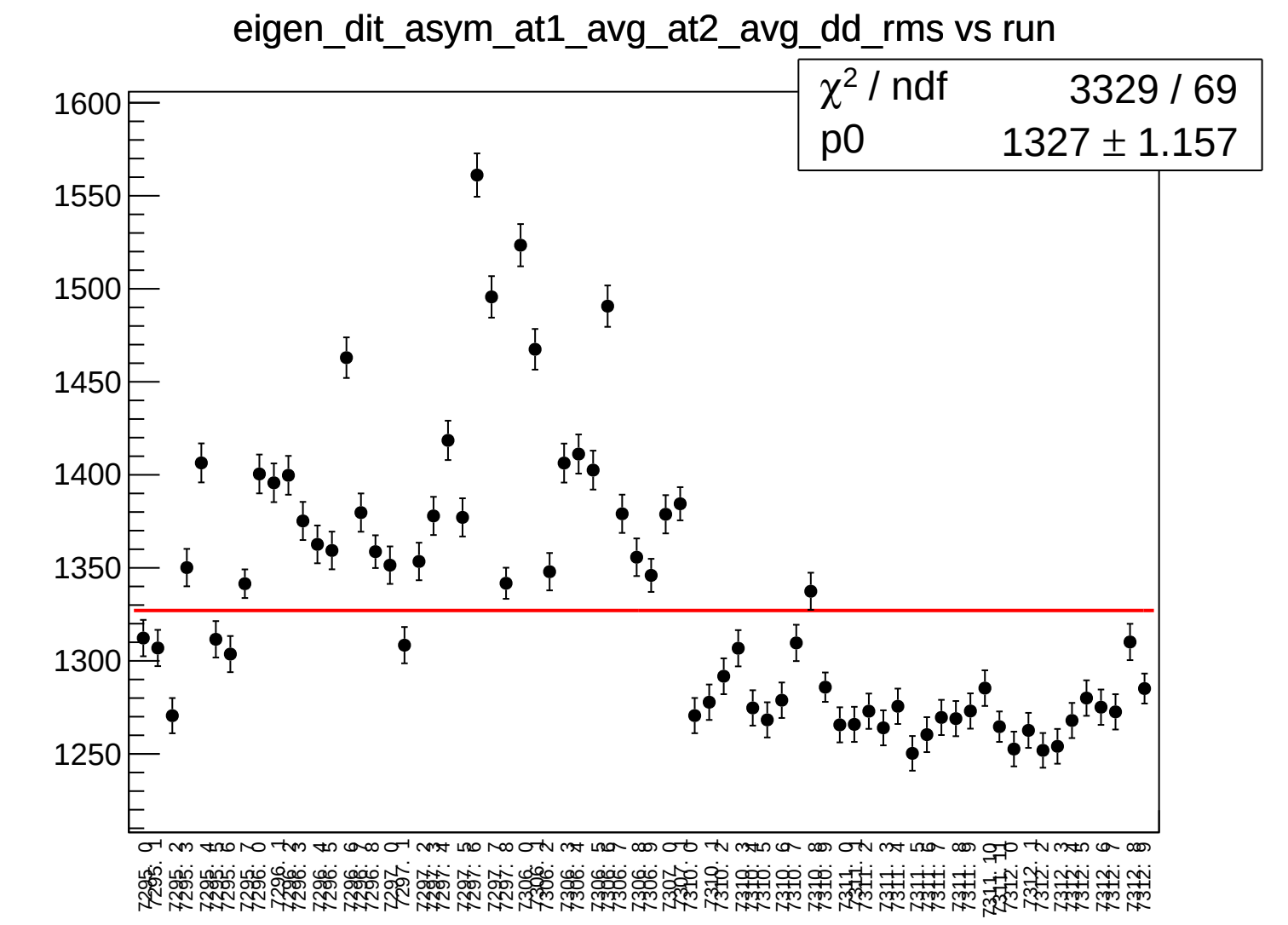

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

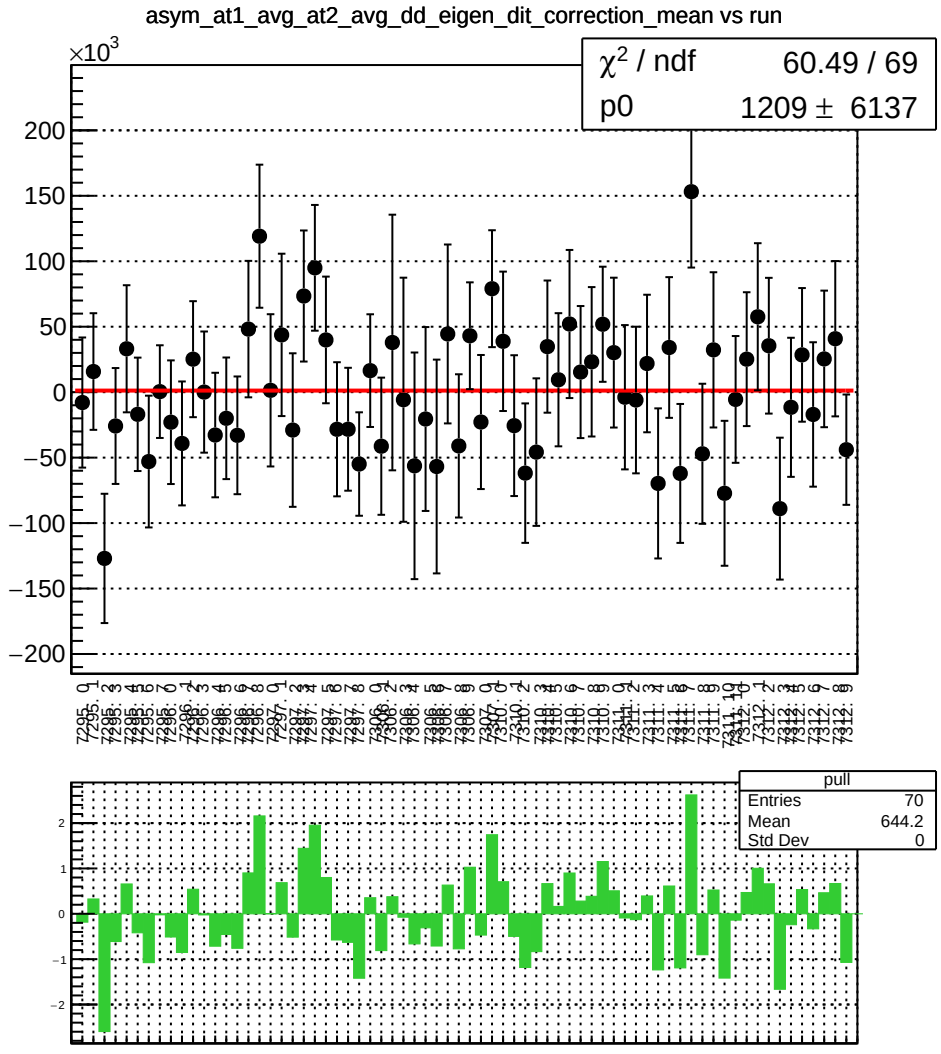

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

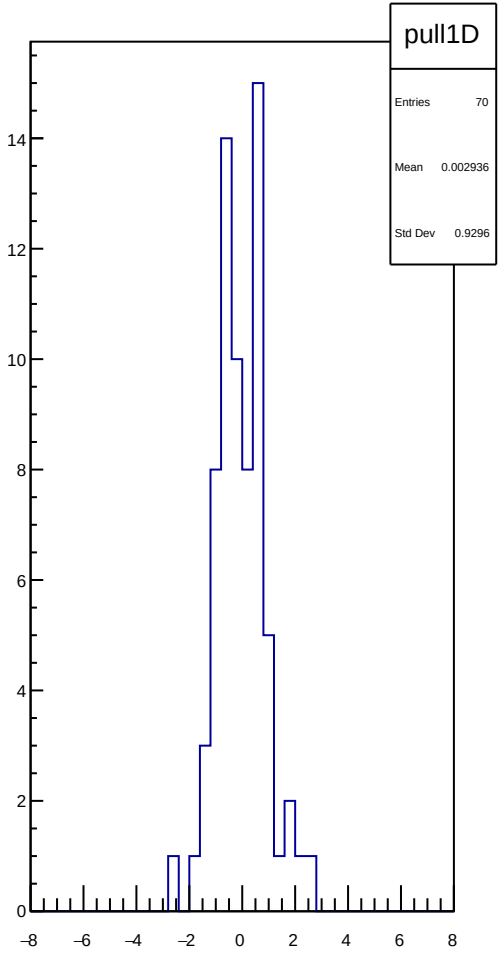

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

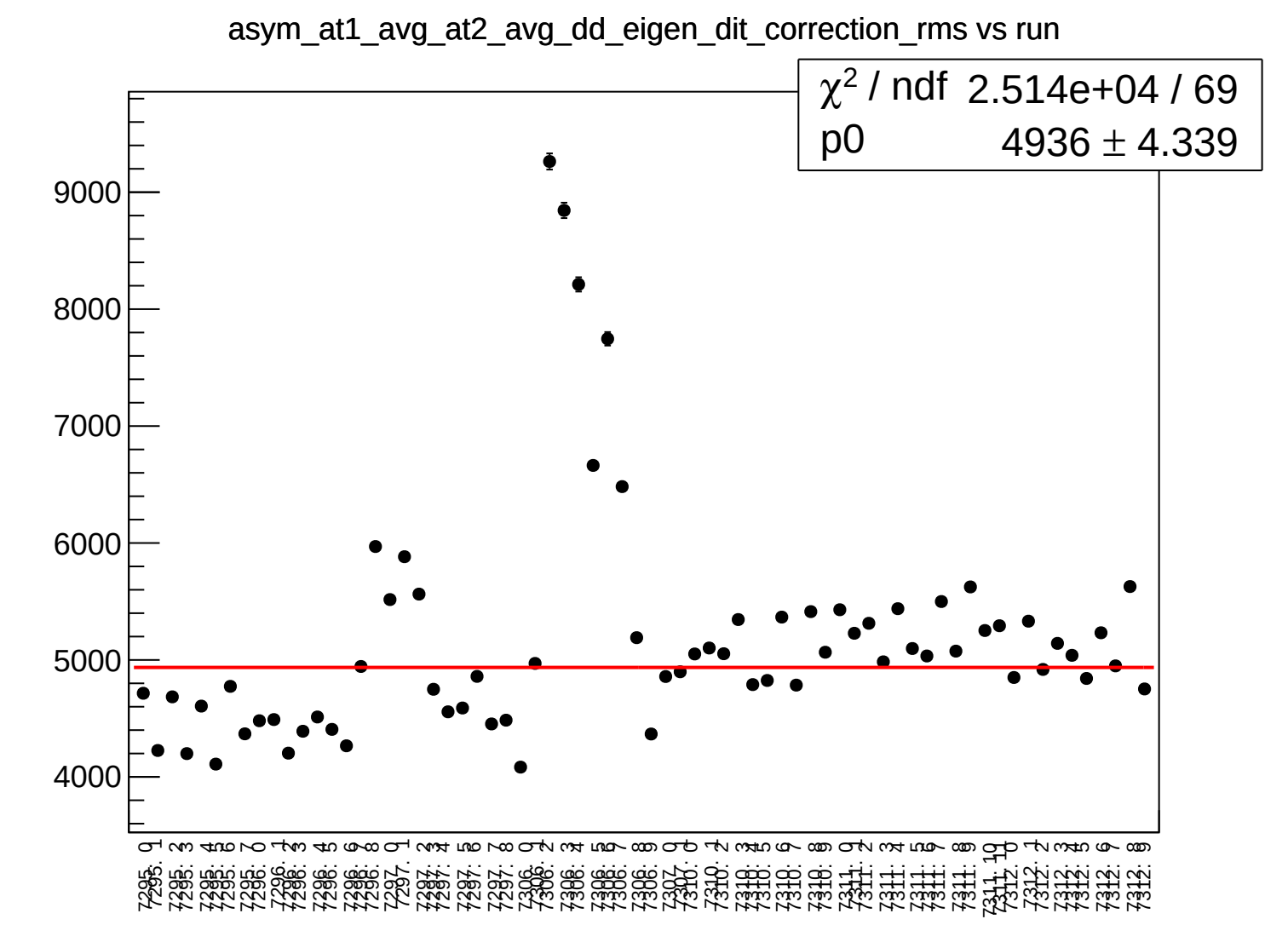

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.17
Std Dev 56.52

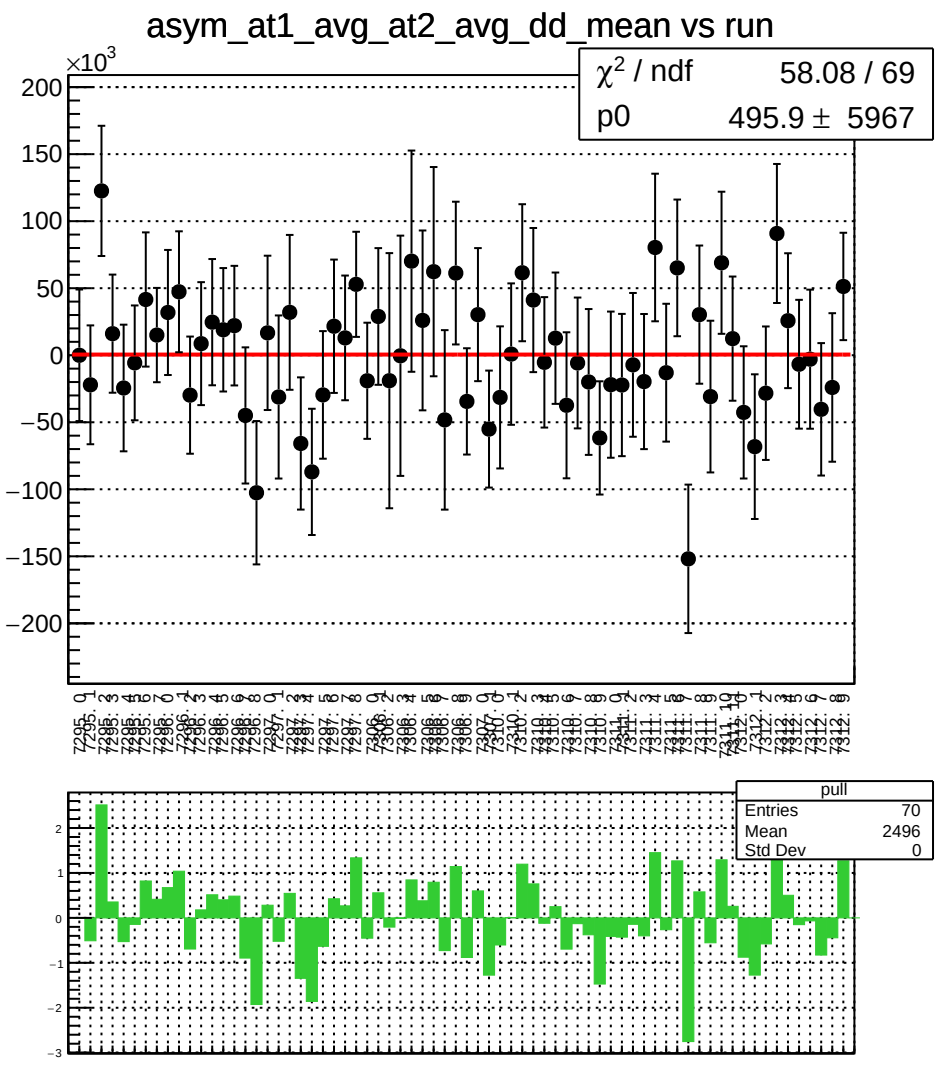

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

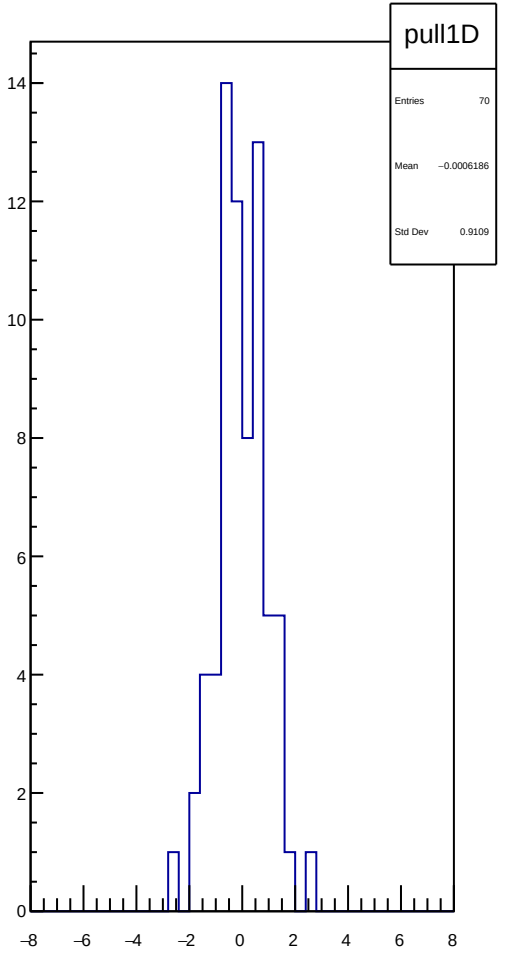

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

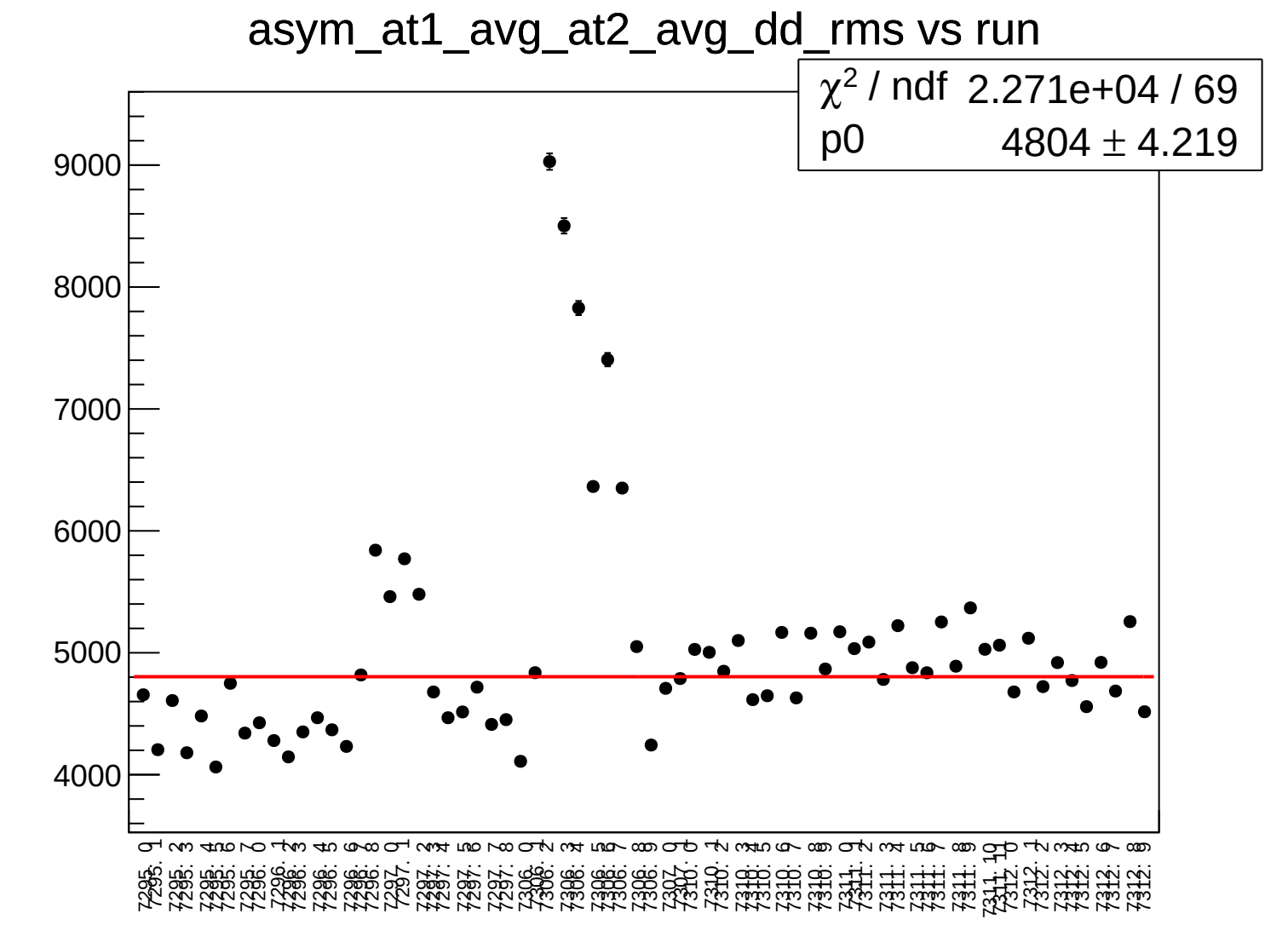

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

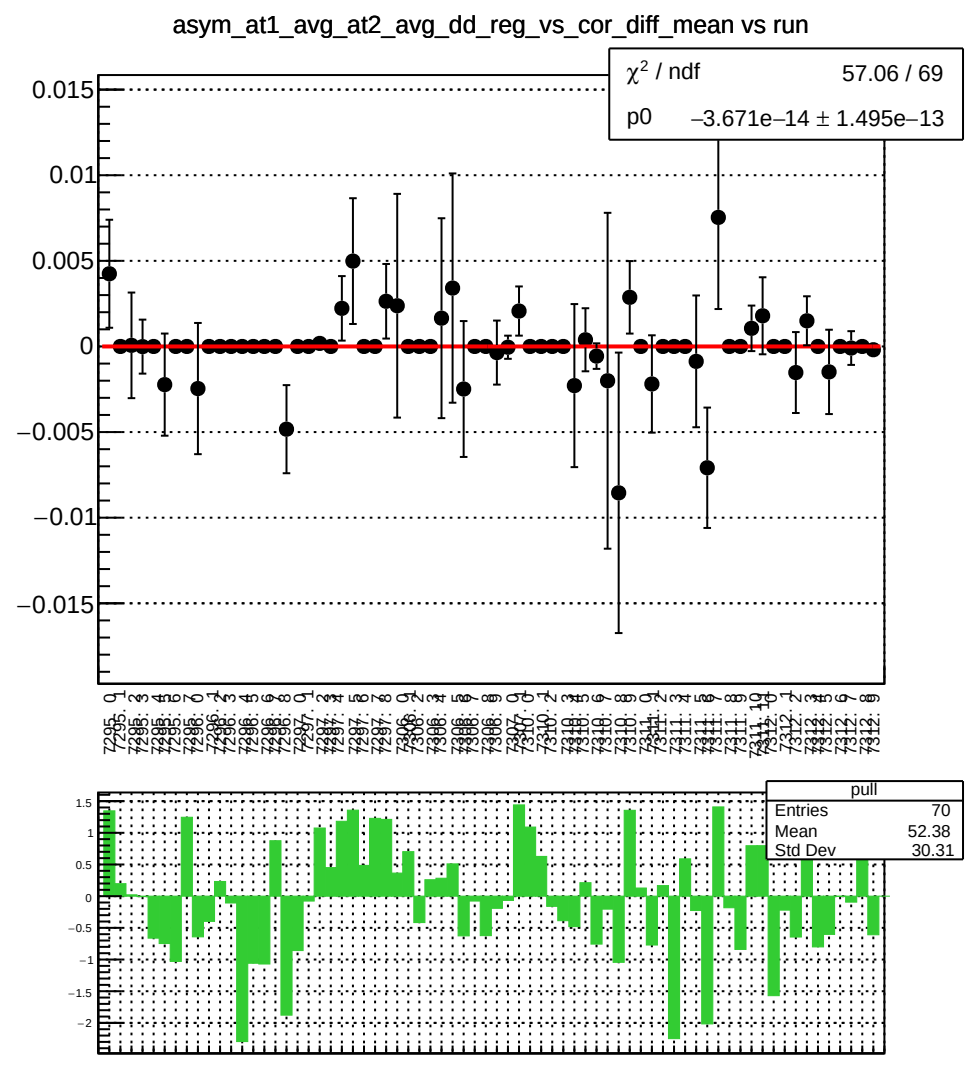

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

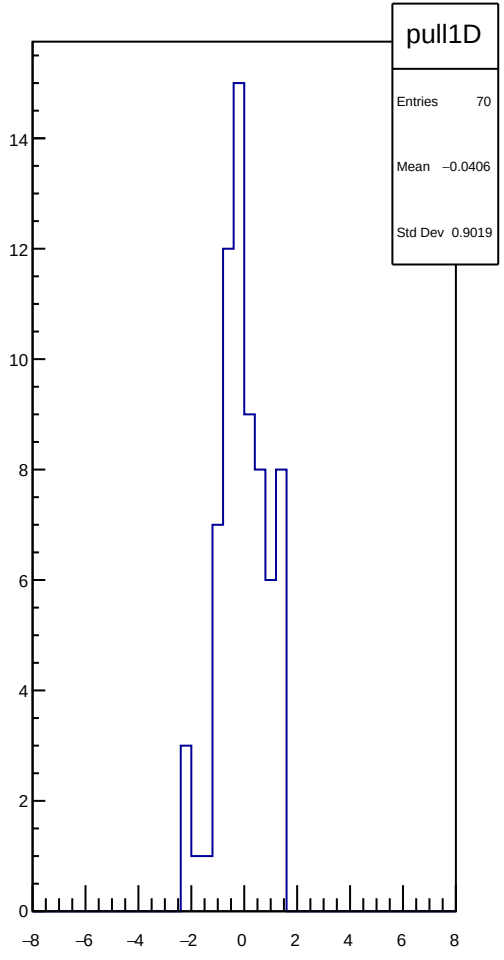

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

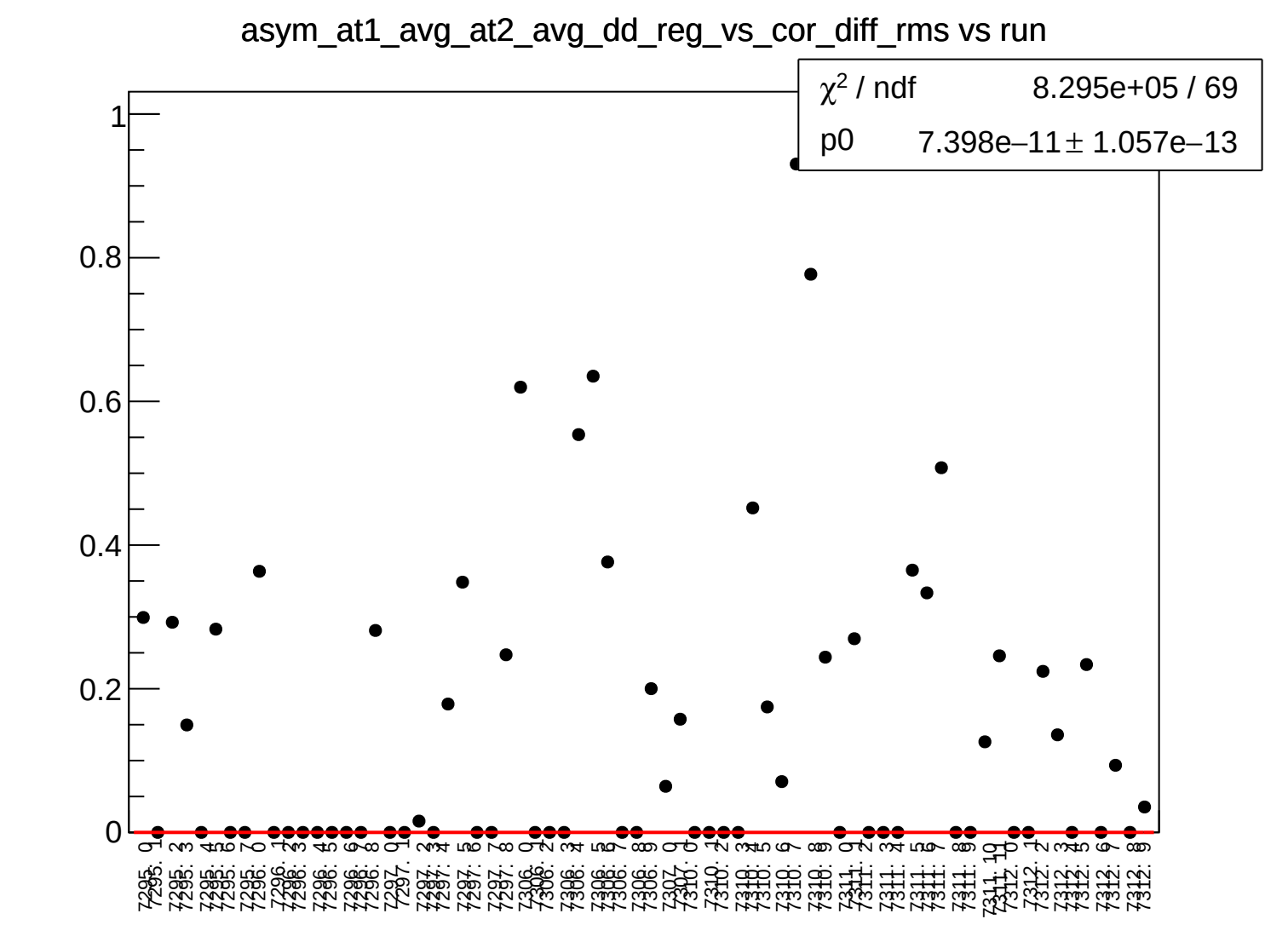

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 58.08 / 69
p0 495.9 ± 5967
pull
Entries 70
Mean 2496
Std Dev 0

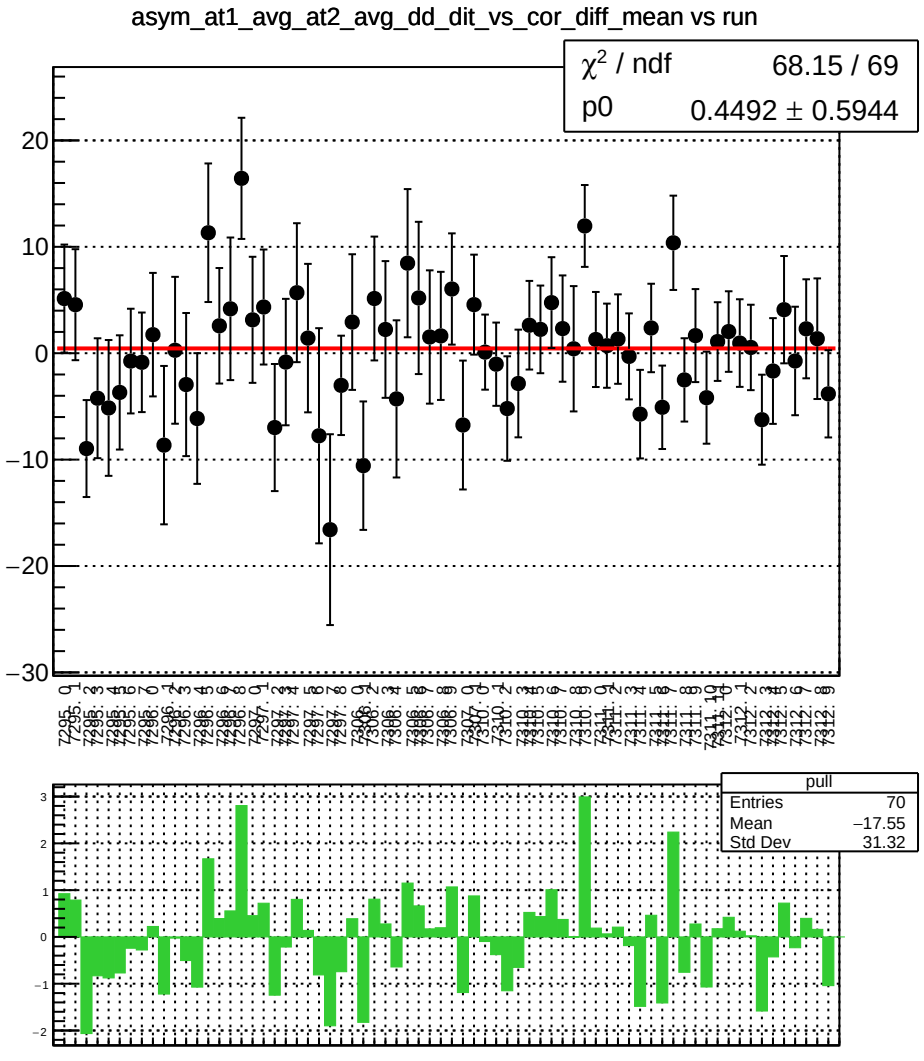

pull1D
Entries 70
Mean −0.0006186
Std Dev 0.9109

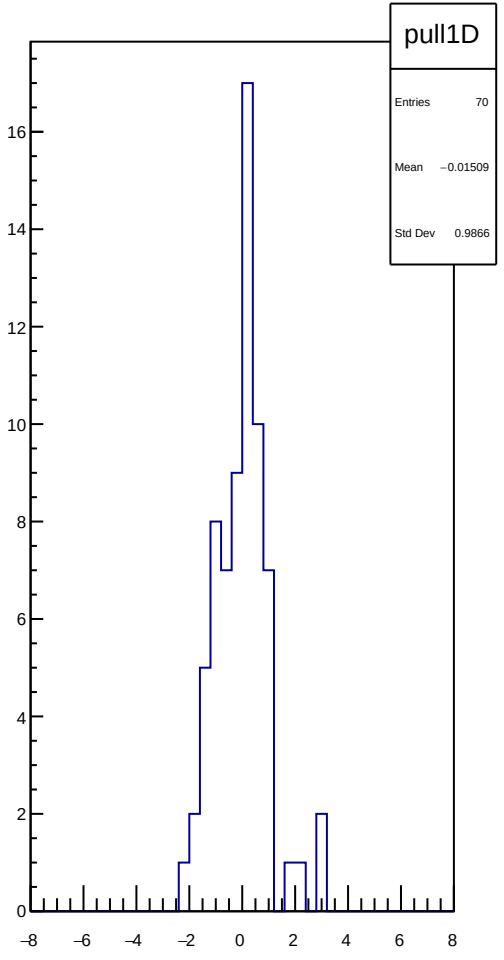

asym_at1_avg_at2_avg_dd_rms vs run
χ^2 / ndf 2.271e+04 / 69
p0 4804 ± 4.219
9000
8000
7000
6000
5000
4000

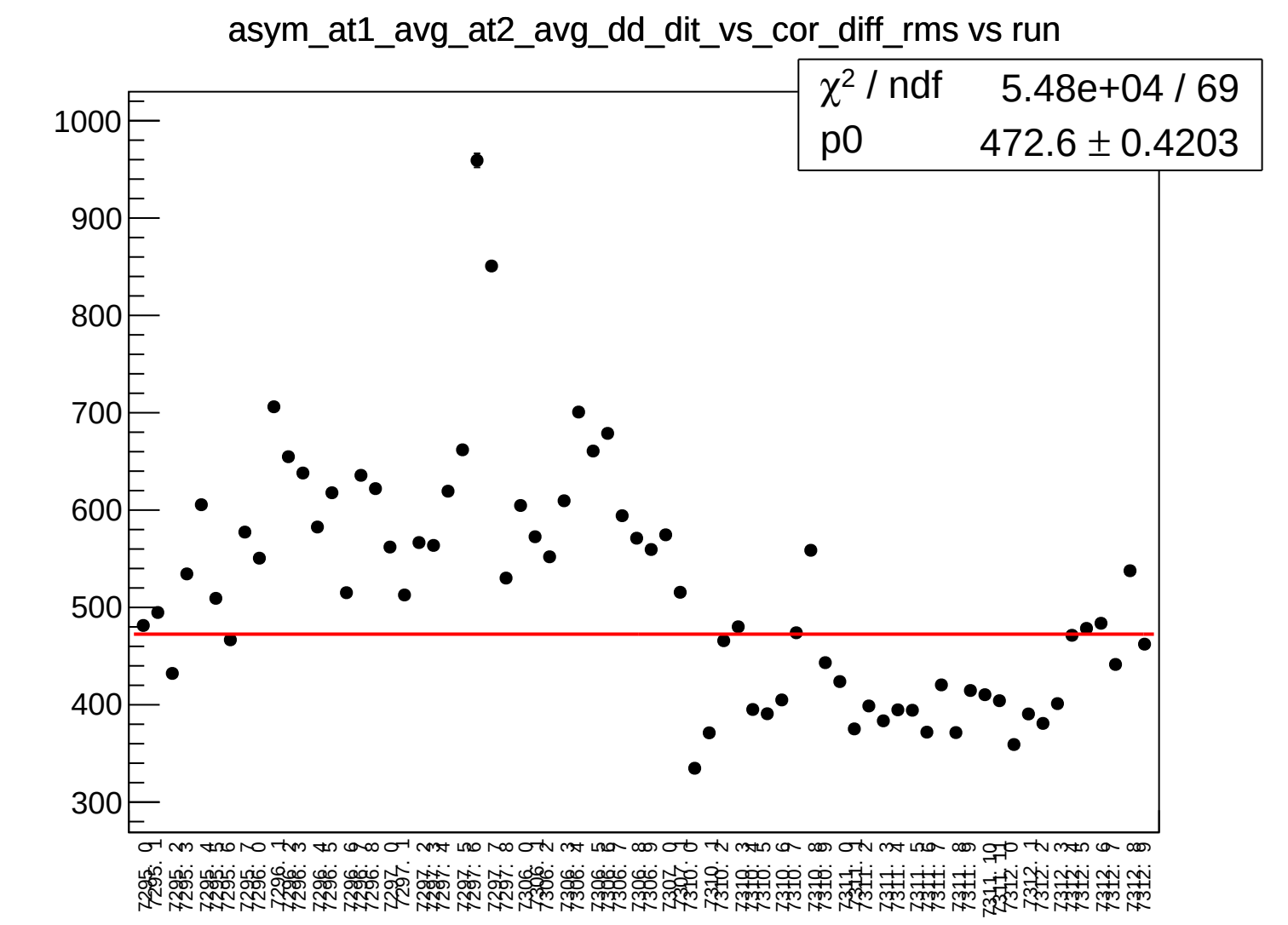

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.06 / 69
p0 −3.671e−14 ± 1.495e−13
pull
Entries 70
Mean 52.38
Std Dev 30.31

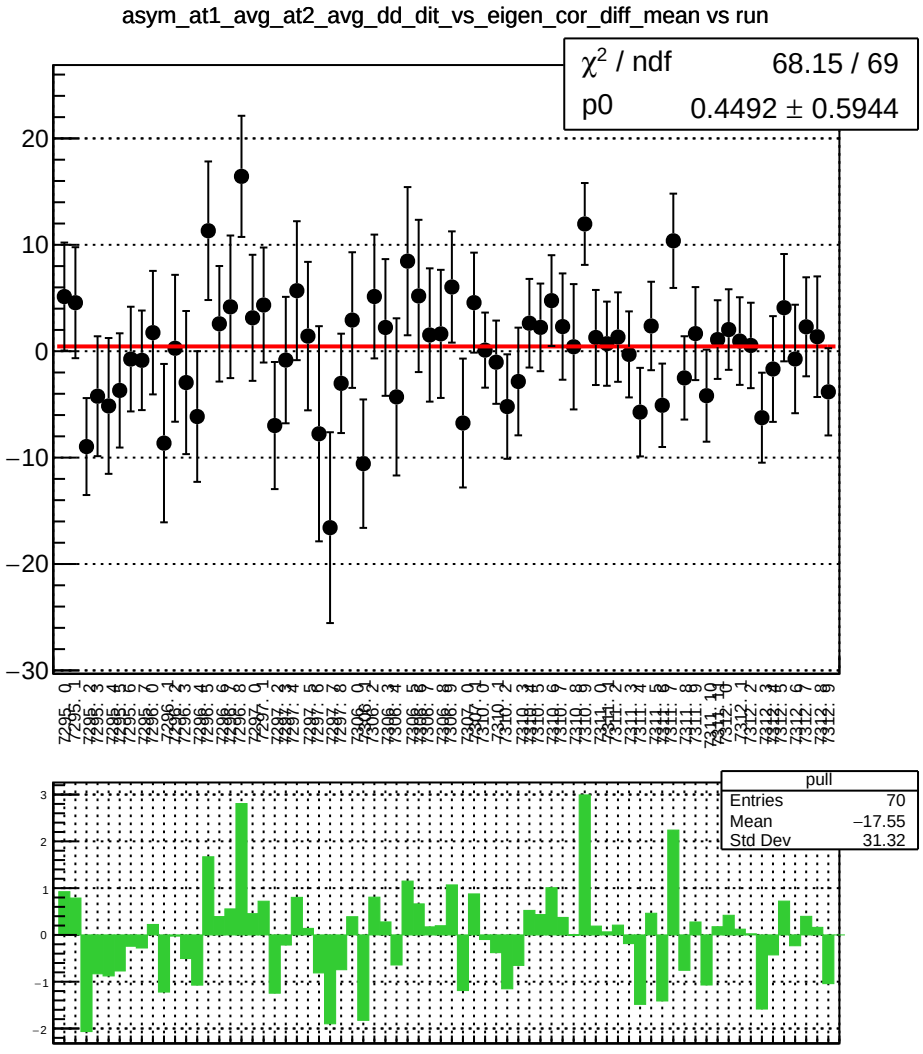

pull1D
Entries 70
Mean −0.0406
Std Dev 0.9019

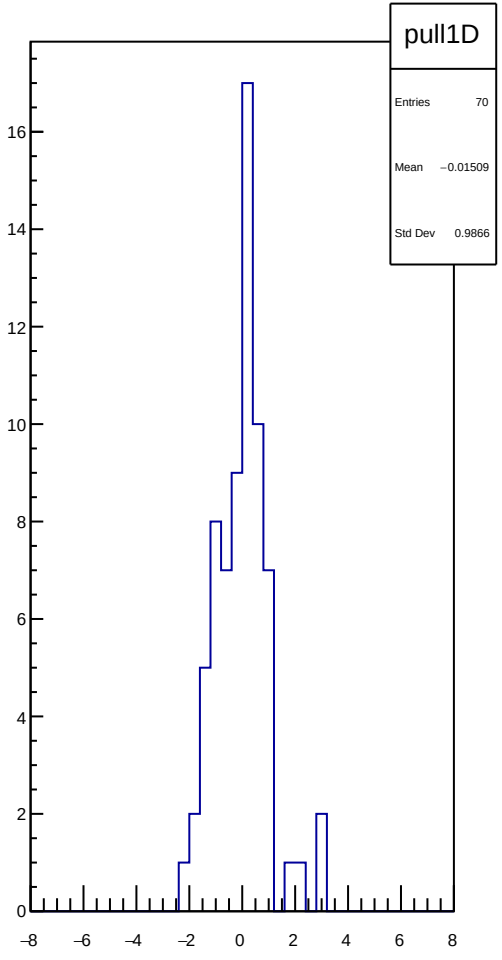

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.295e+05 / 69
p0 7.398e−11 ± 1.057e−13
1
0.8
0.6
0.4
0.2
0

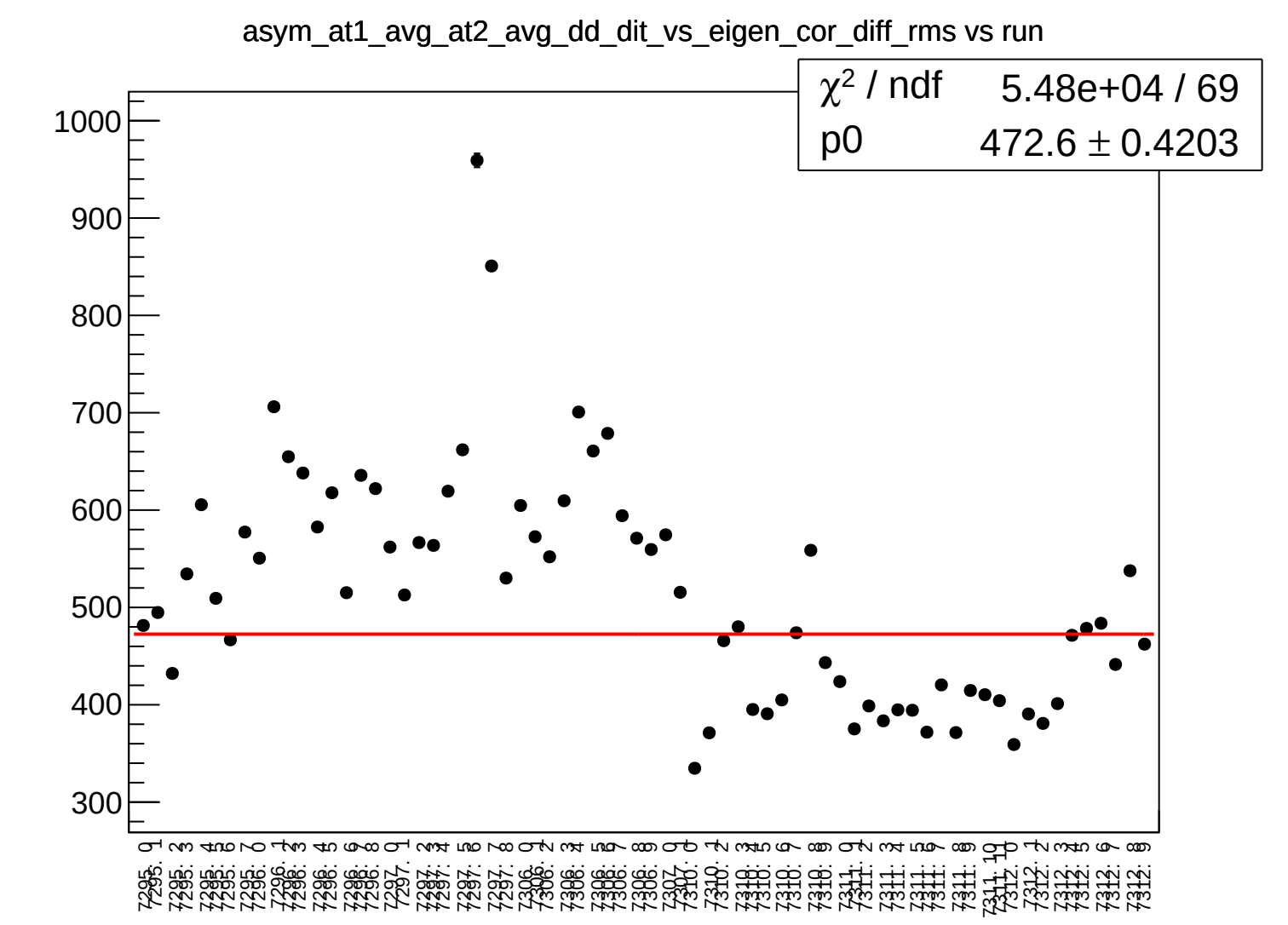

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.55
Std Dev 31.32

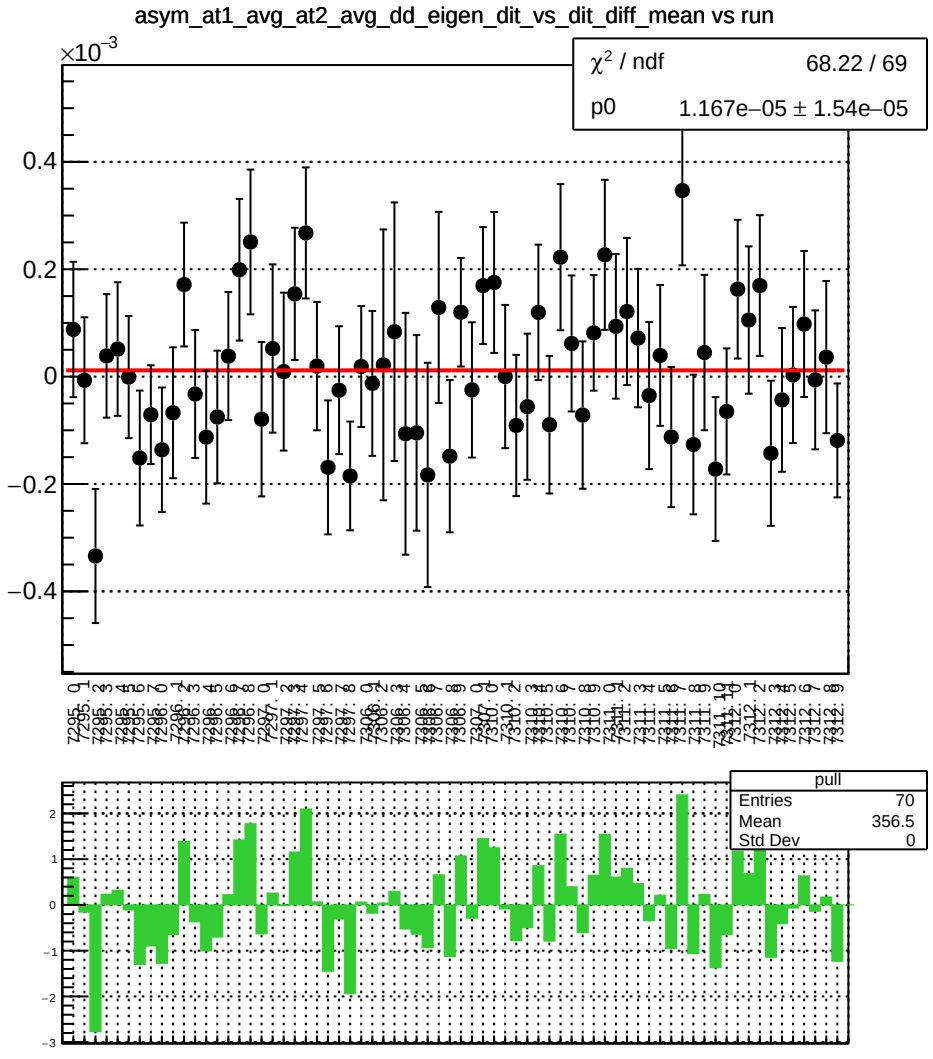

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

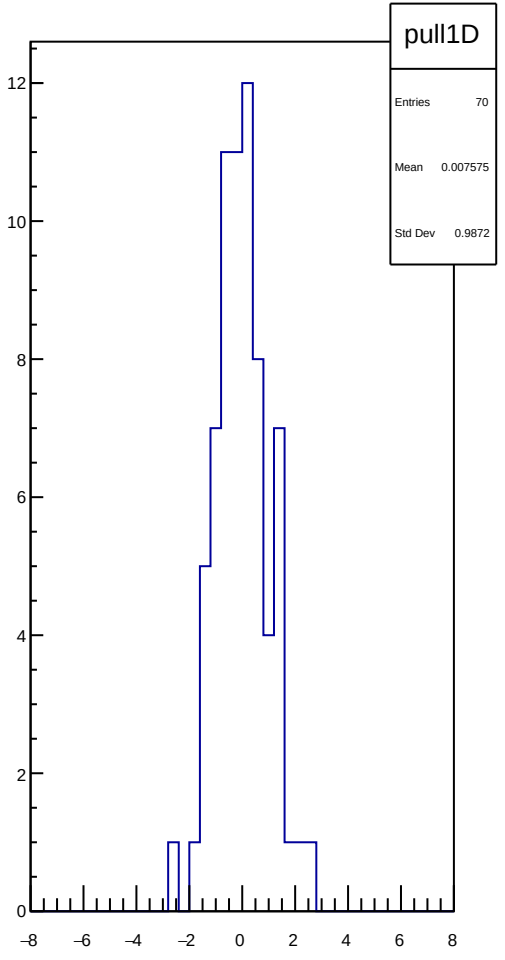

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

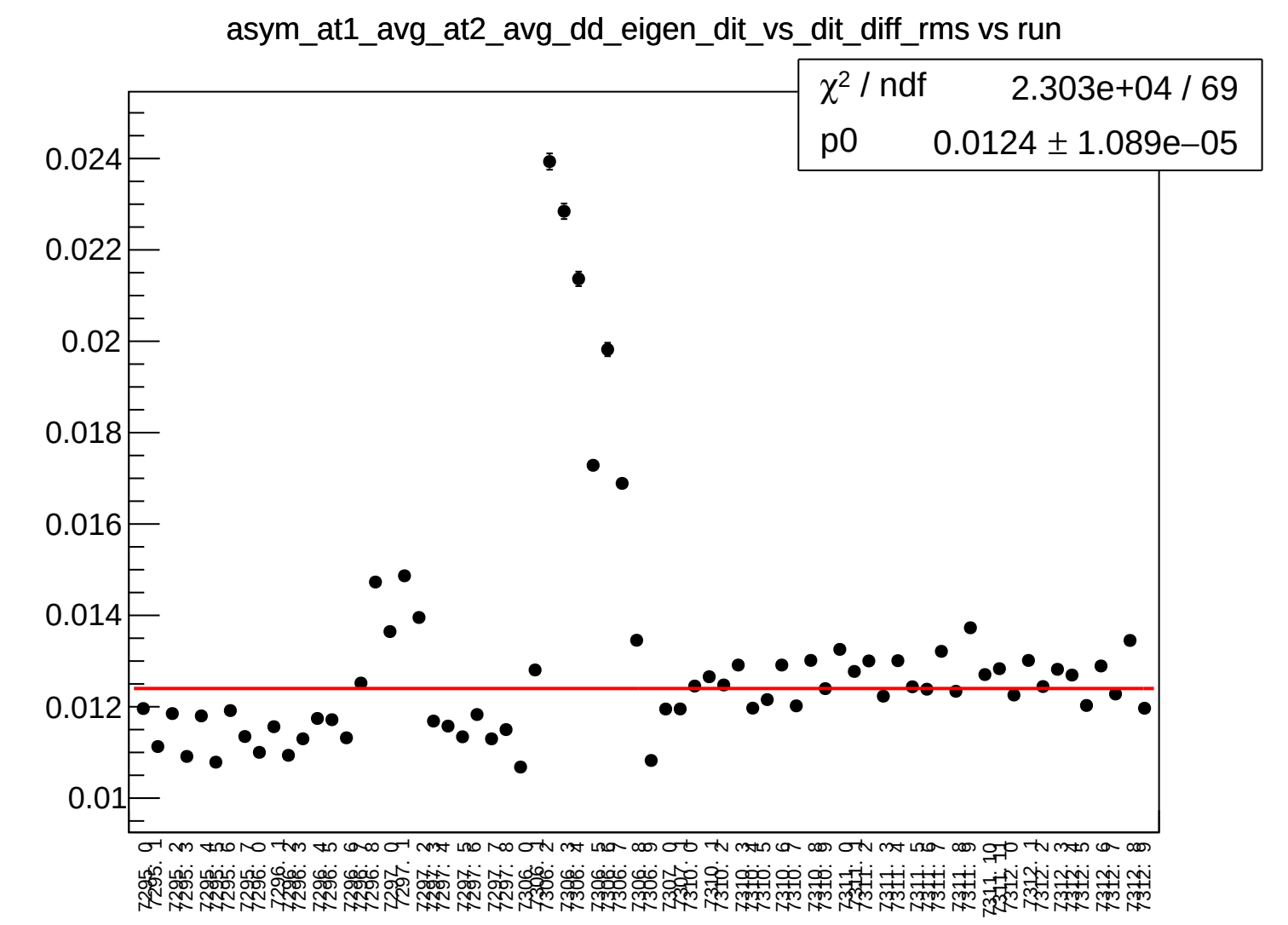

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.55
Std Dev 31.32

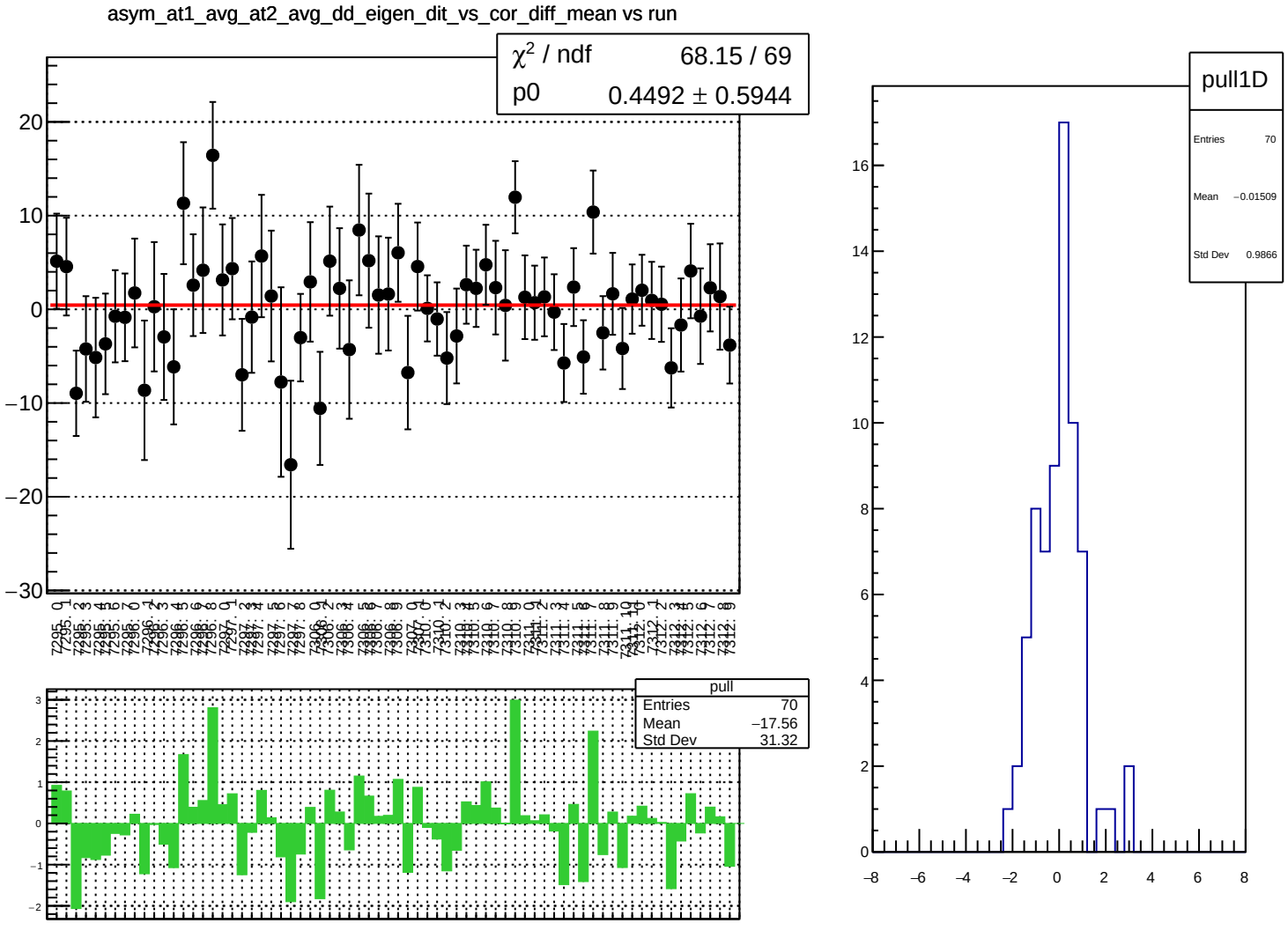

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

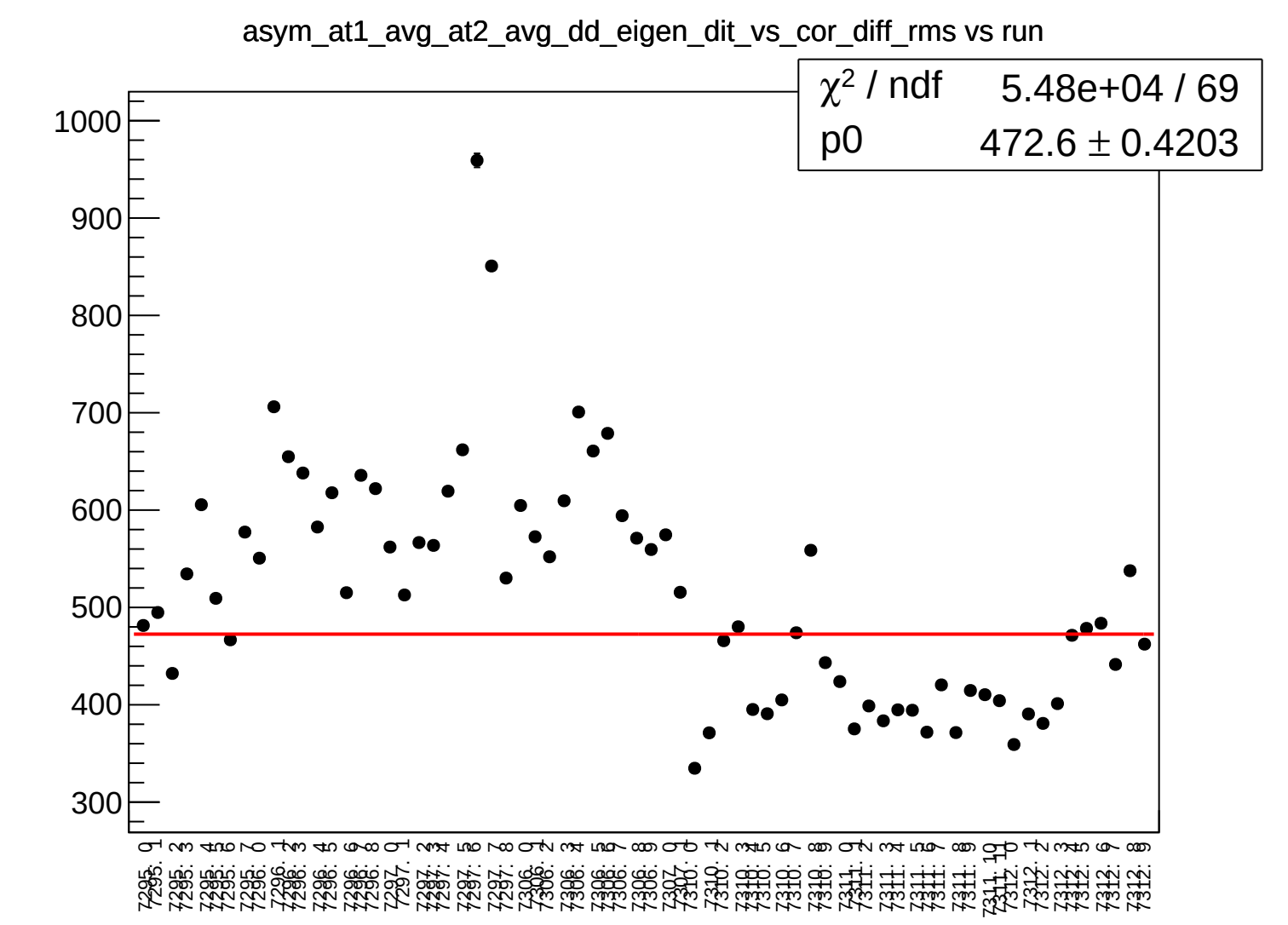

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

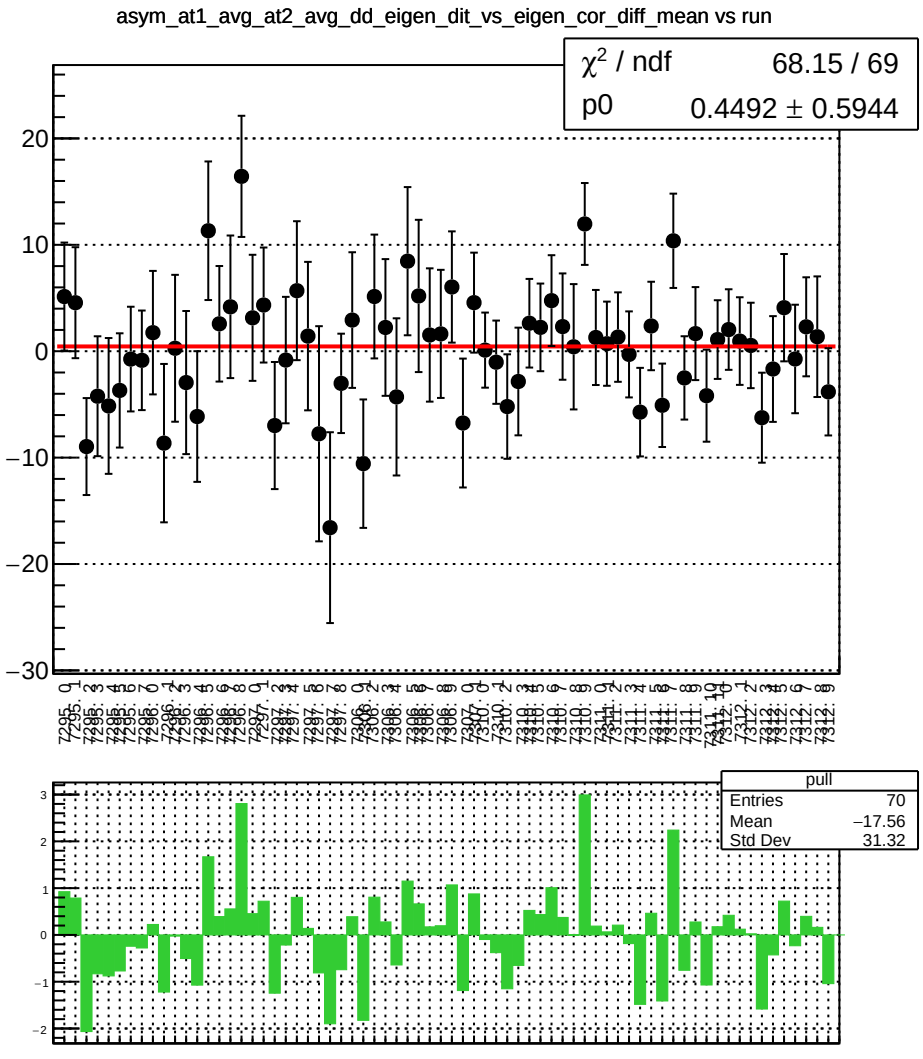

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.22 / 69
p0 1.167e−05 ± 1.54e−05
pull
Entries 70
Mean 356.5
Std Dev 0

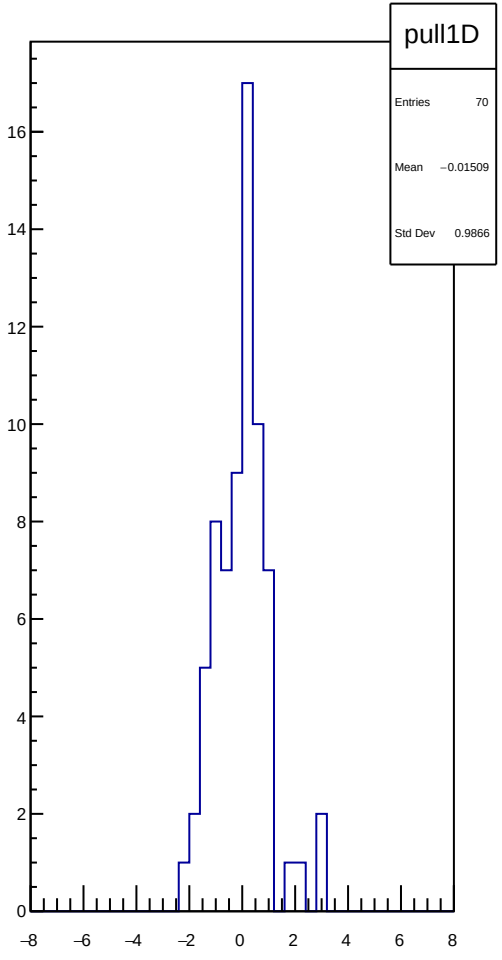

pull1D
Entries 70
Mean 0.007575
Std Dev 0.9872

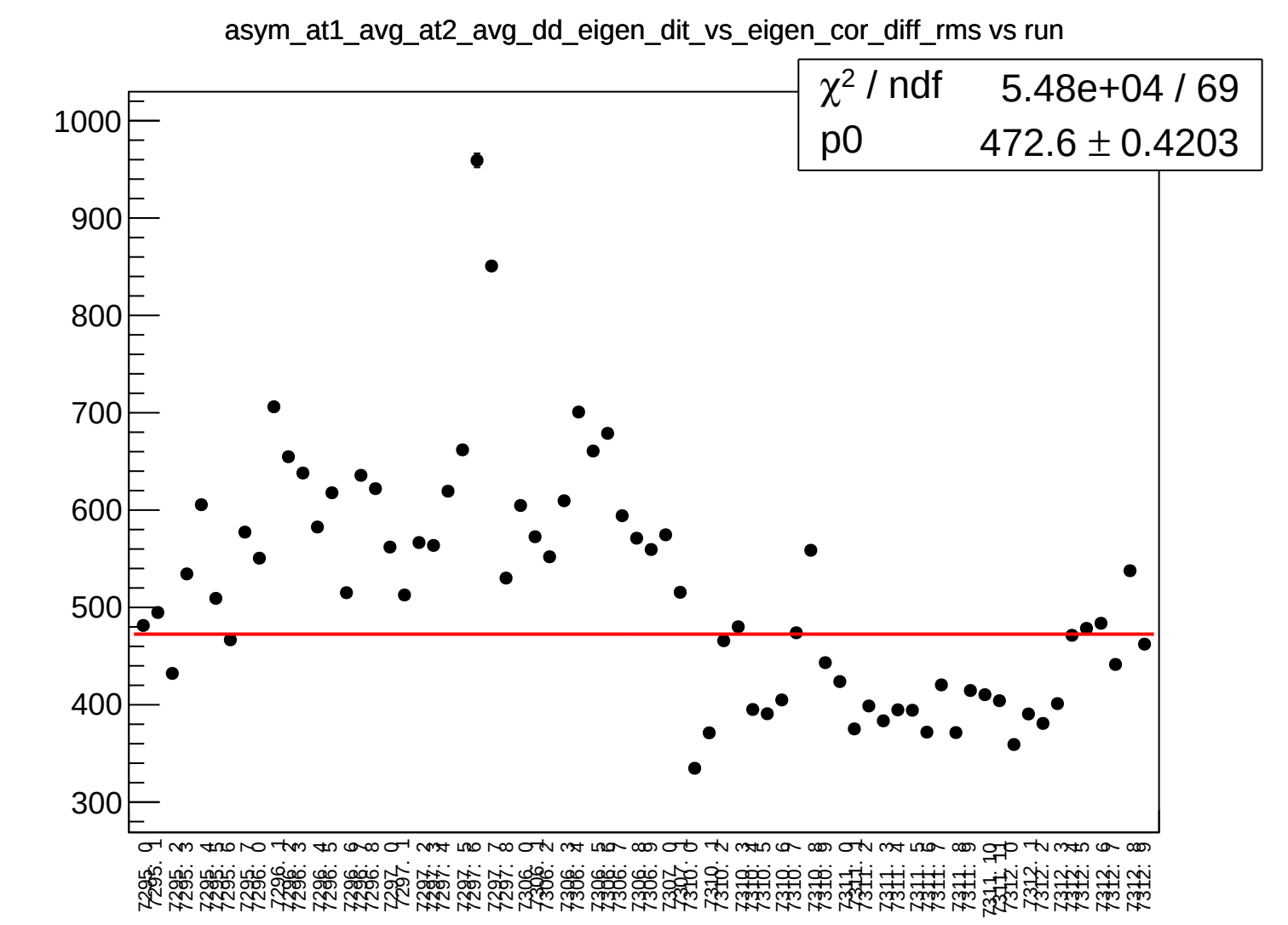

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.303e+04 / 69
p0 0.0124 ± 1.089e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

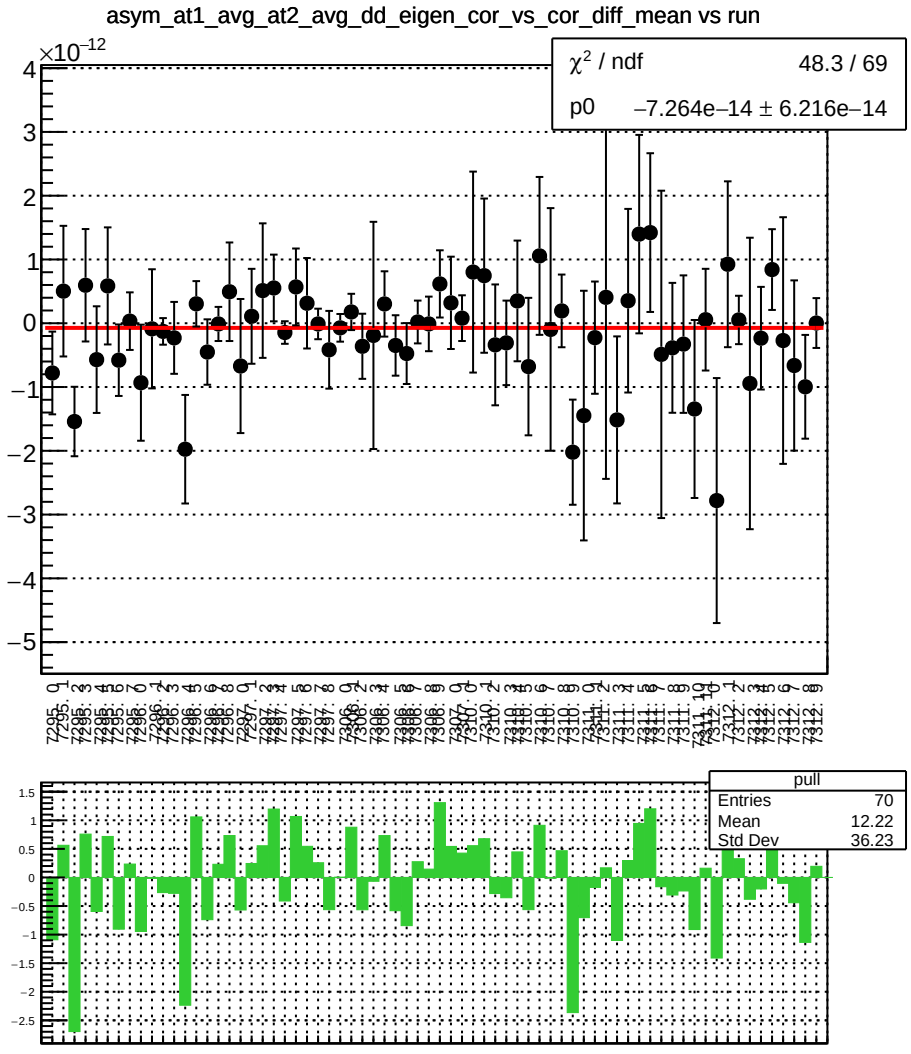

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32
pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

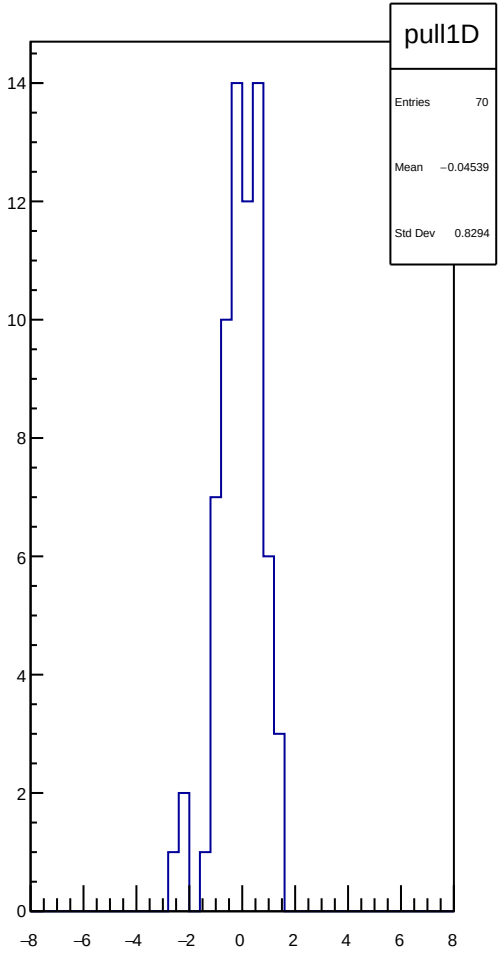

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

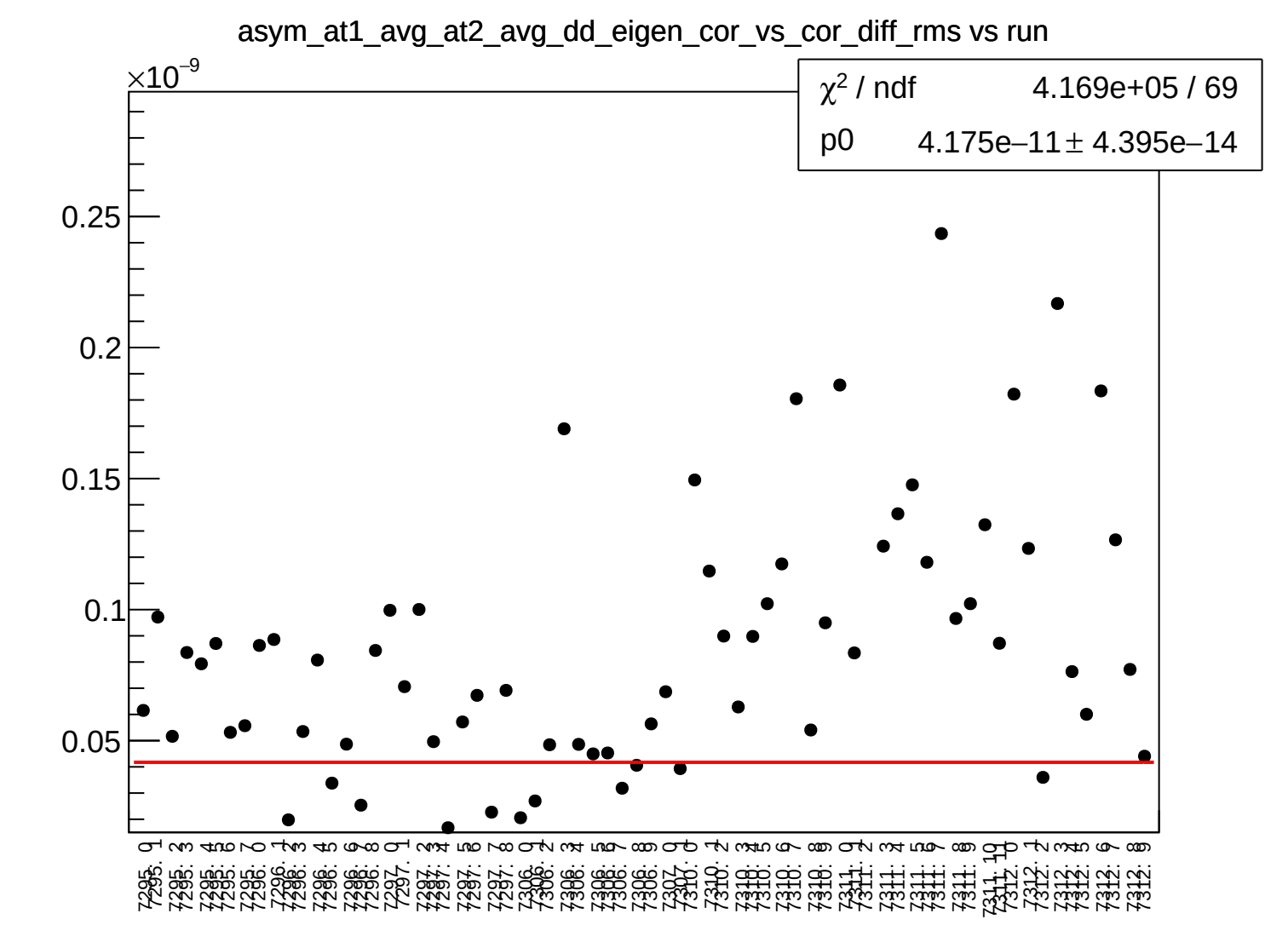

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32

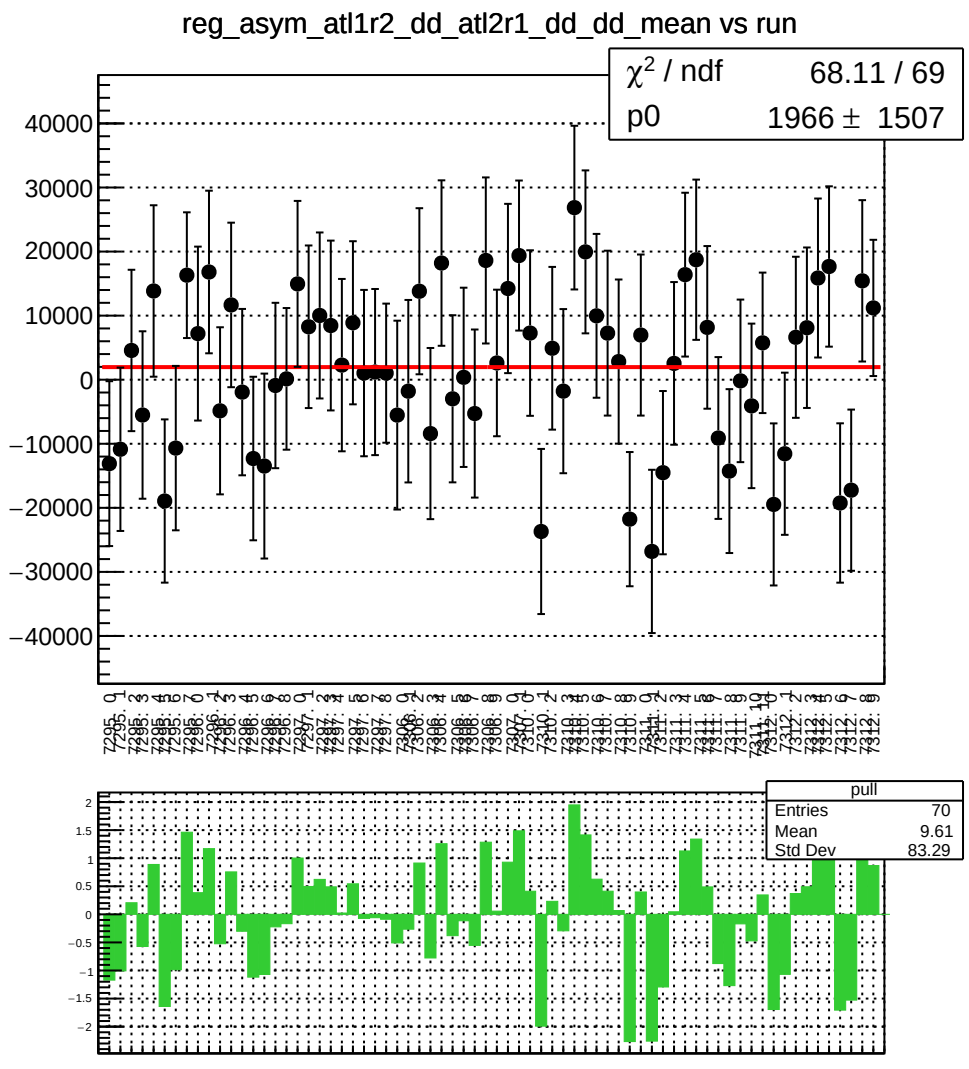

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

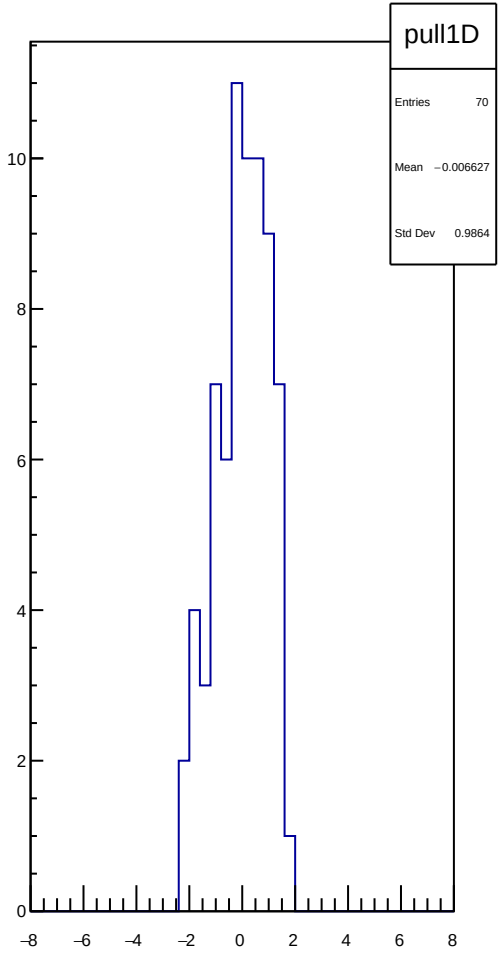

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

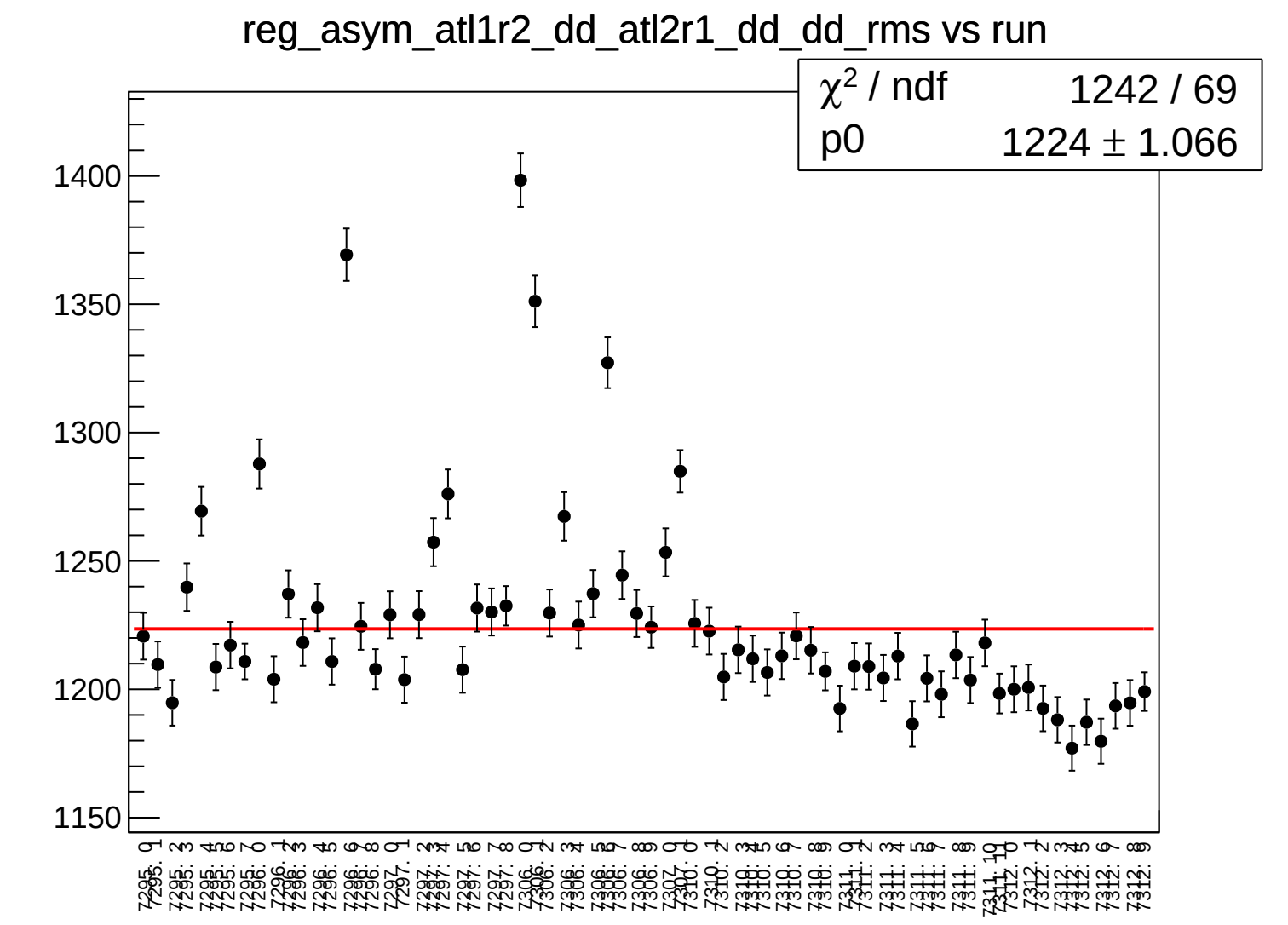

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 48.3 / 69
p0 −7.264e−14 ± 6.216e−14
pull
Entries 70
Mean 12.22
Std Dev 36.23

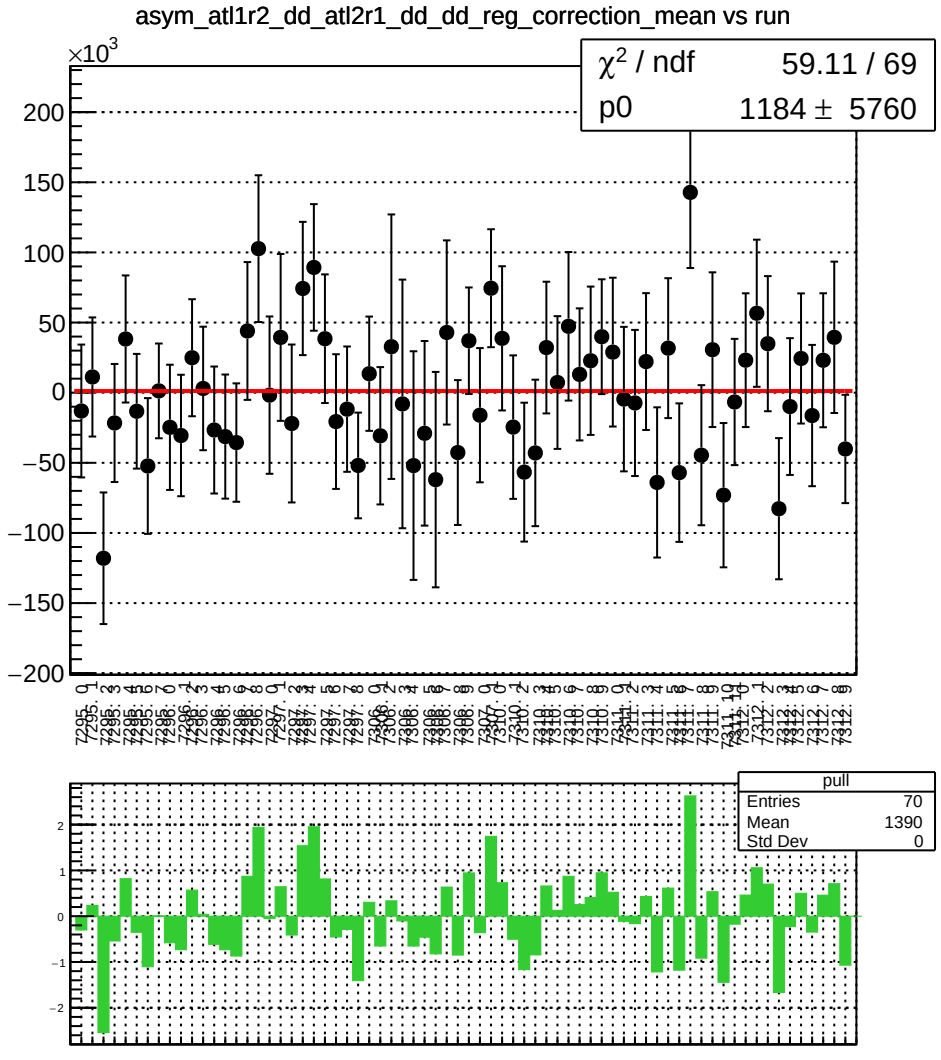

pull1D
Entries 70
Mean −0.04539
Std Dev 0.8294

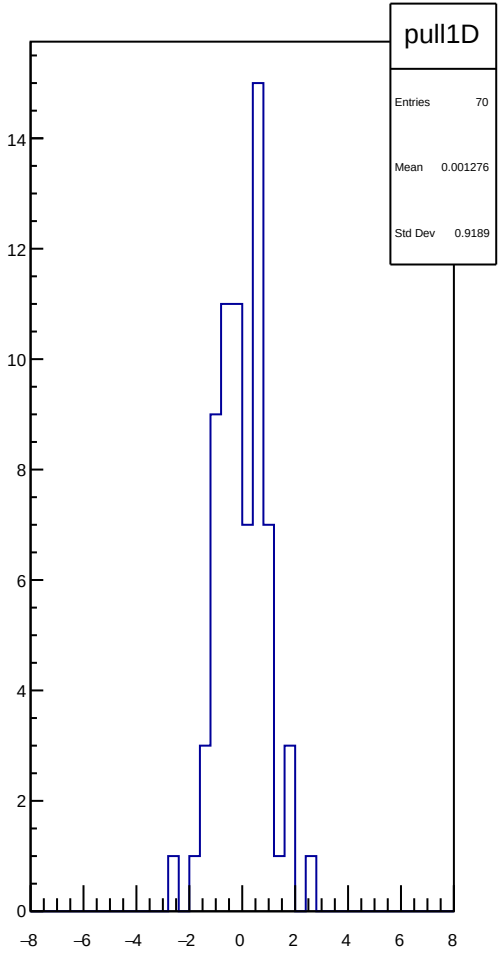

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.169e+05 / 69
p0 4.175e−11 ± 4.395e−14
0.25
0.2
0.15
0.1
0.05

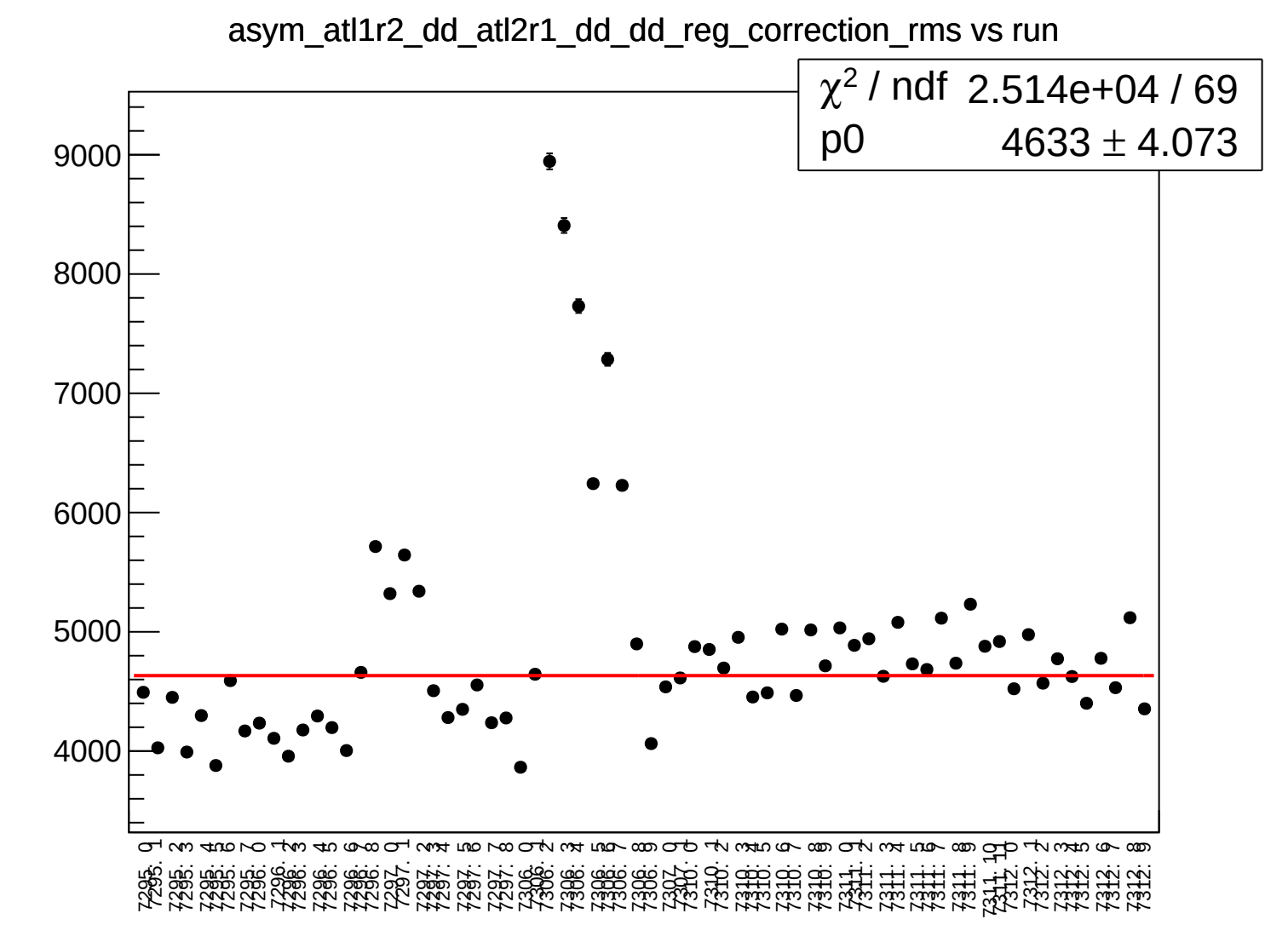

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.61
Std Dev 83.29

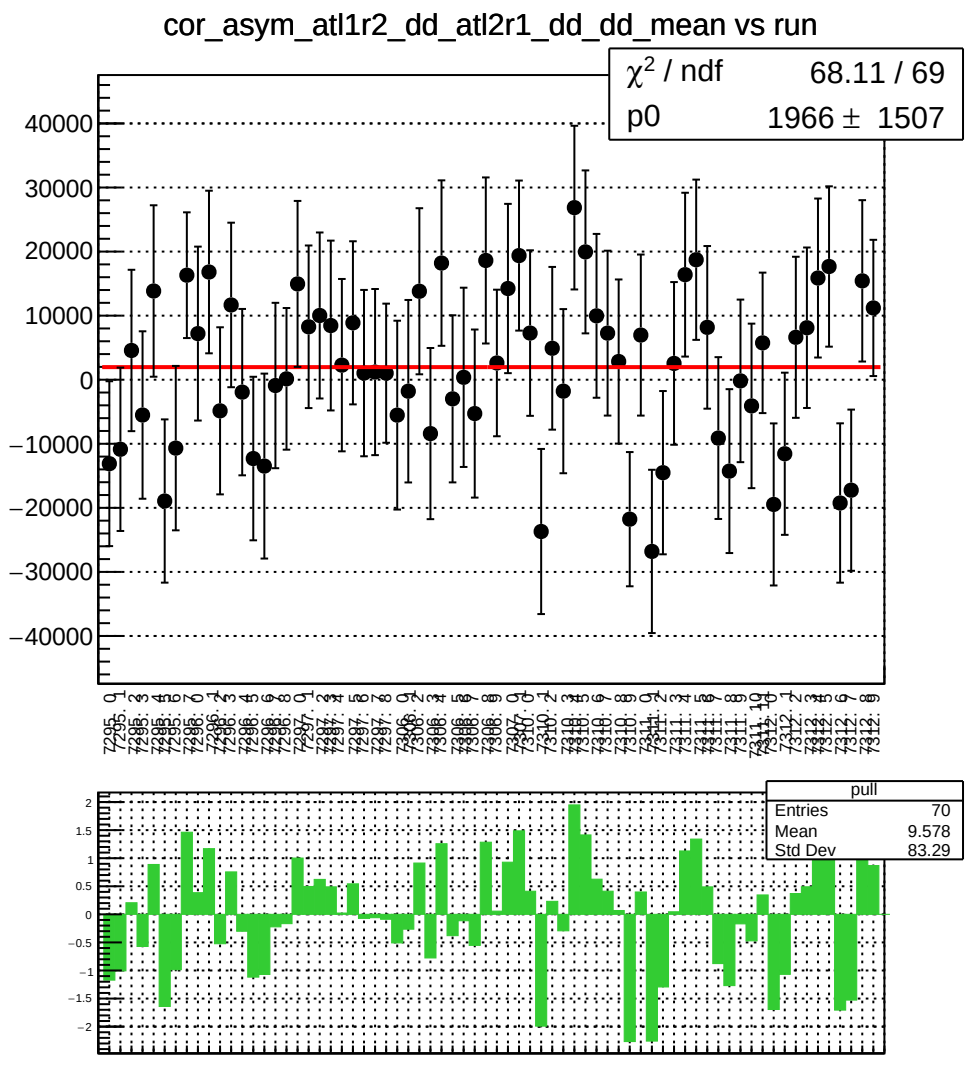

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

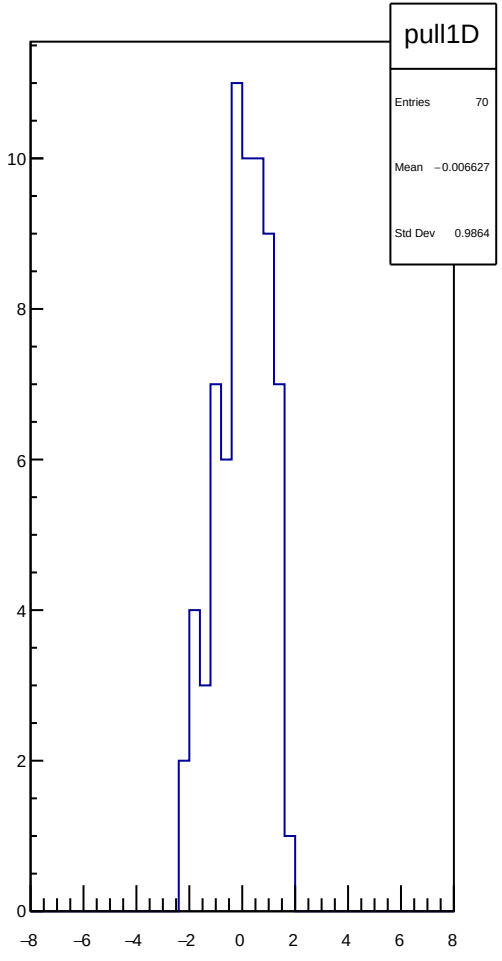

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

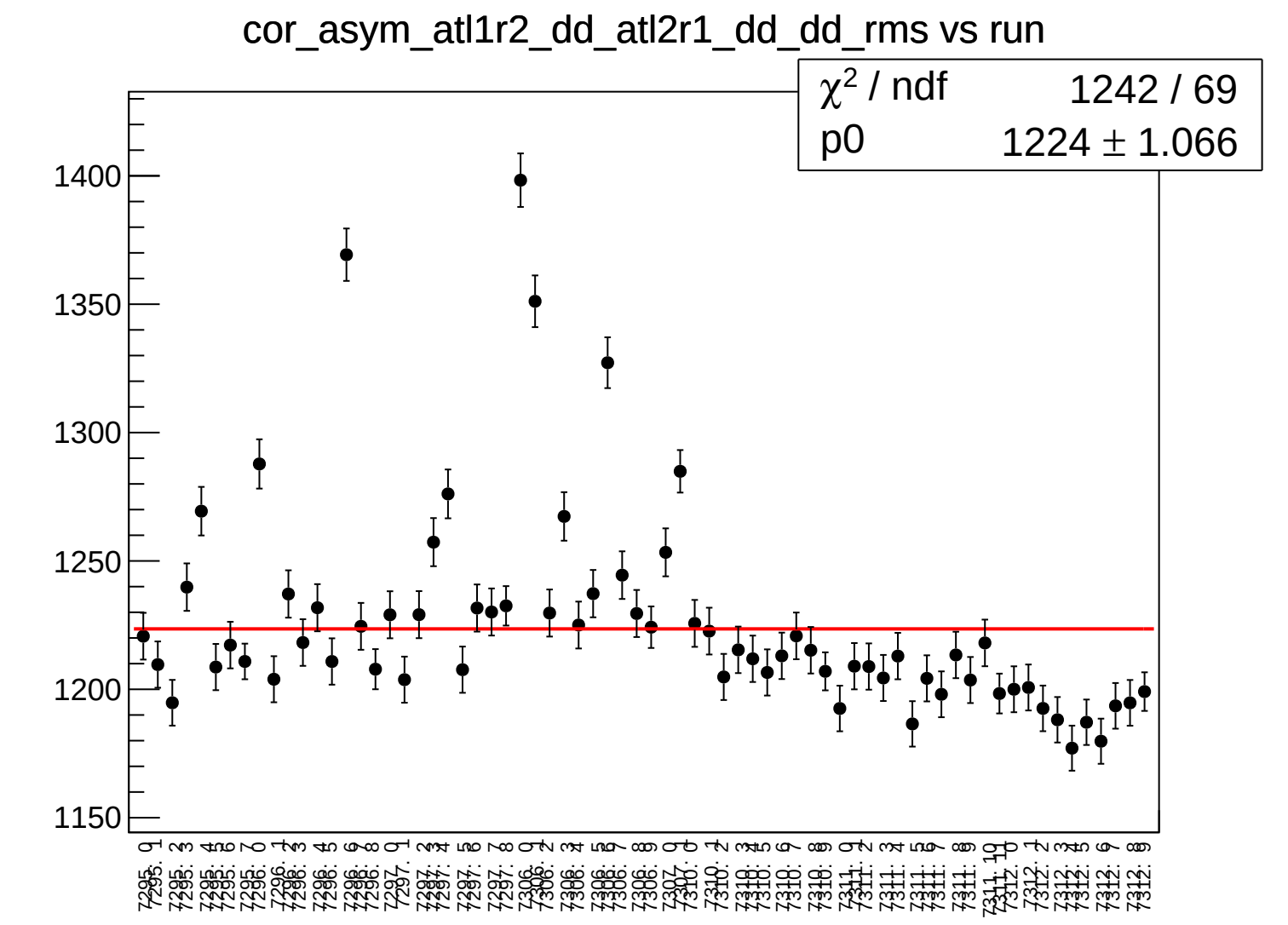

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1184 ± 5760
pull
Entries 70
Mean 1390
Std Dev 0

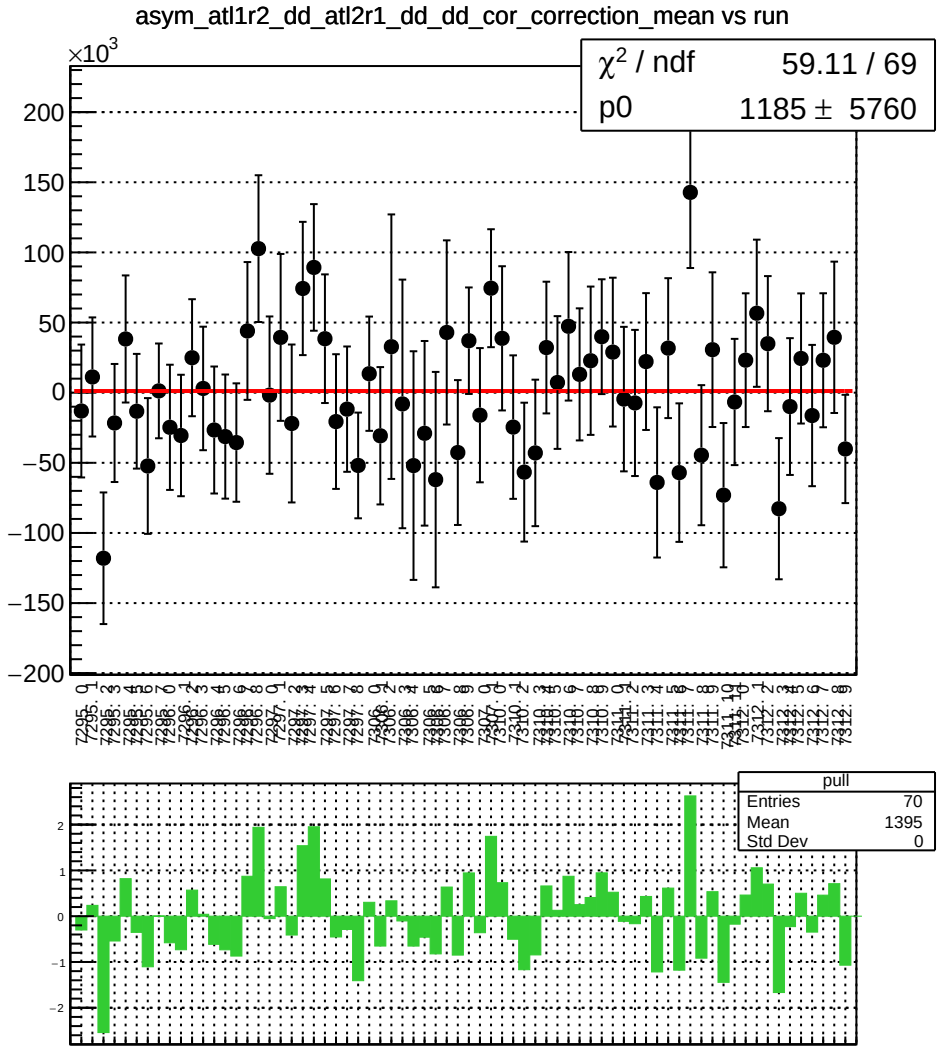

pull1D
Entries 70
Mean 0.001276
Std Dev 0.9189

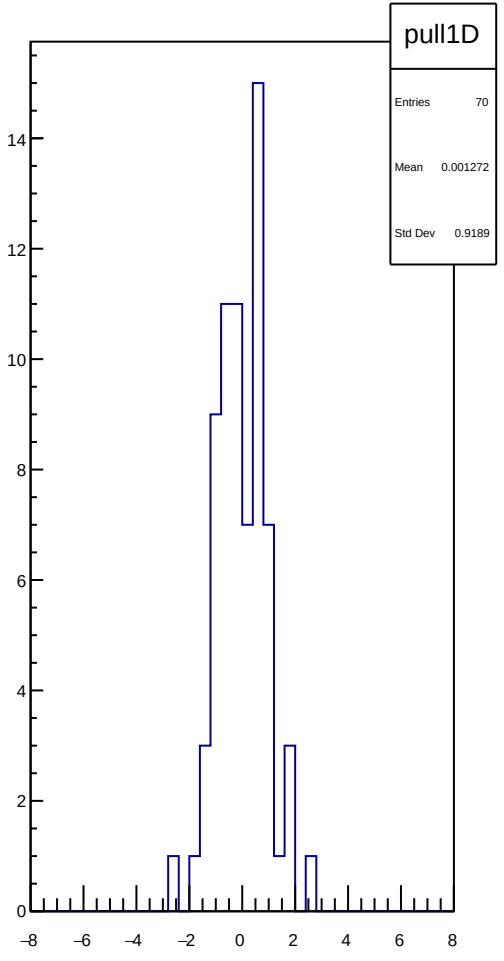

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

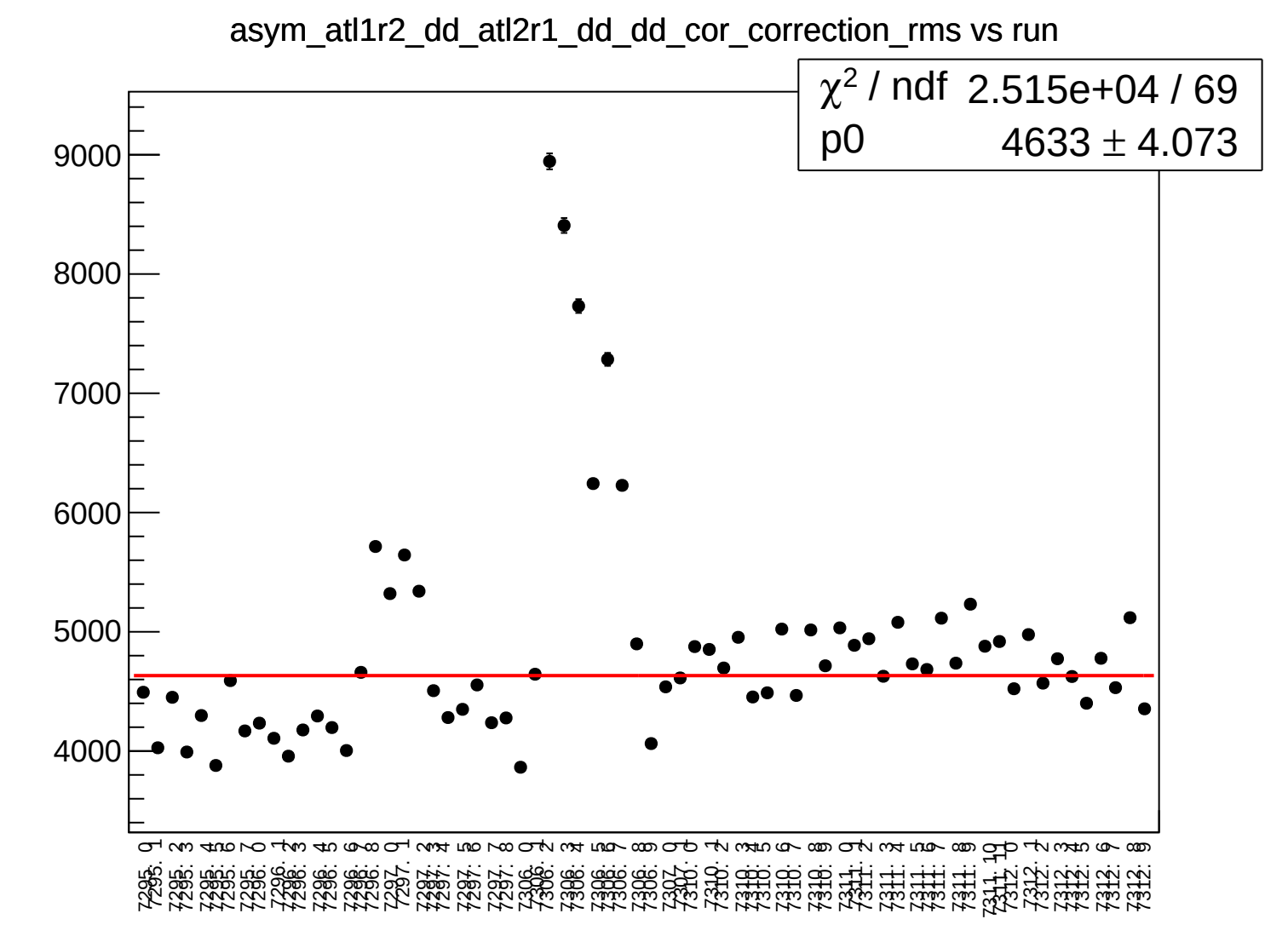

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ^2 / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

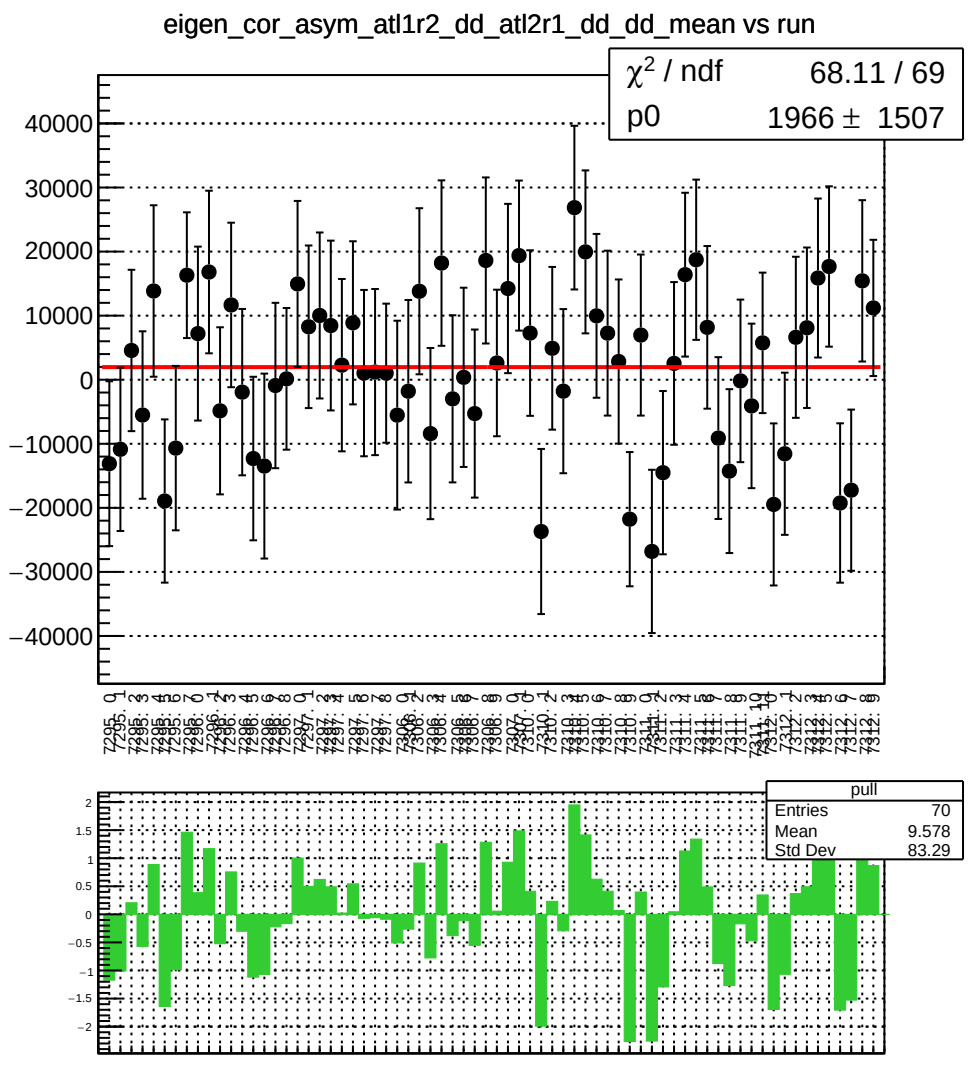

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

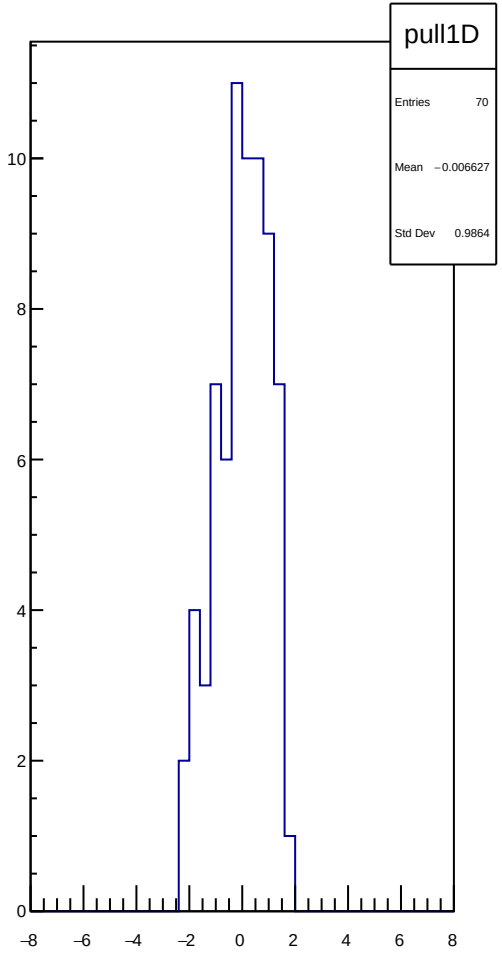

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

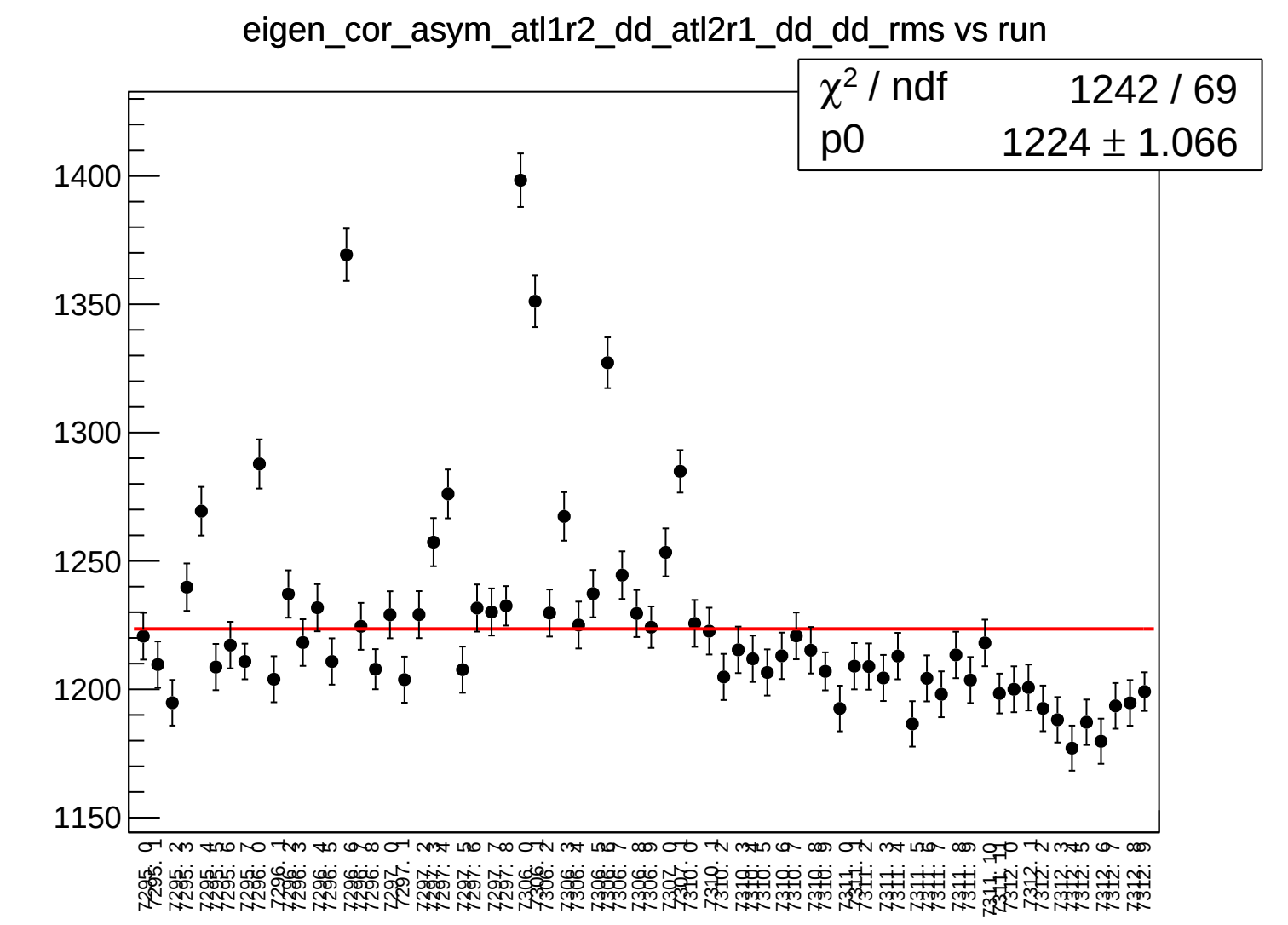

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

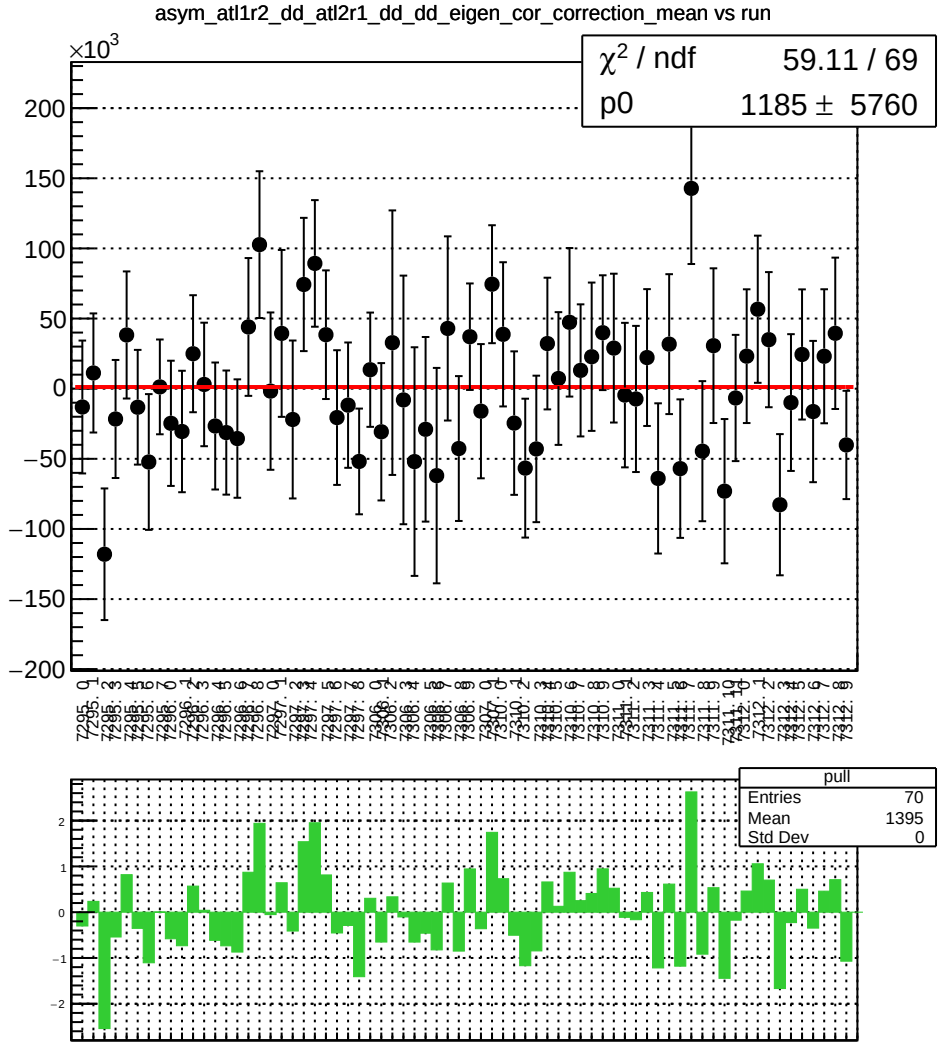

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

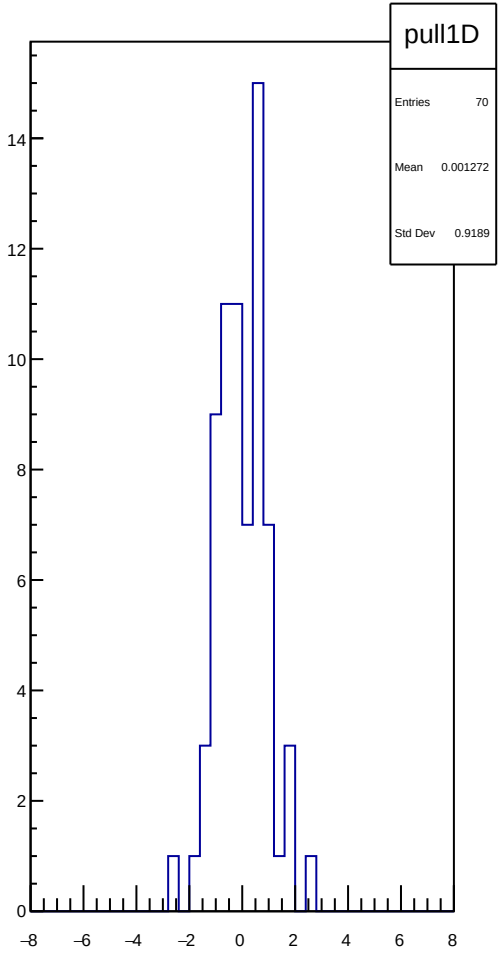

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

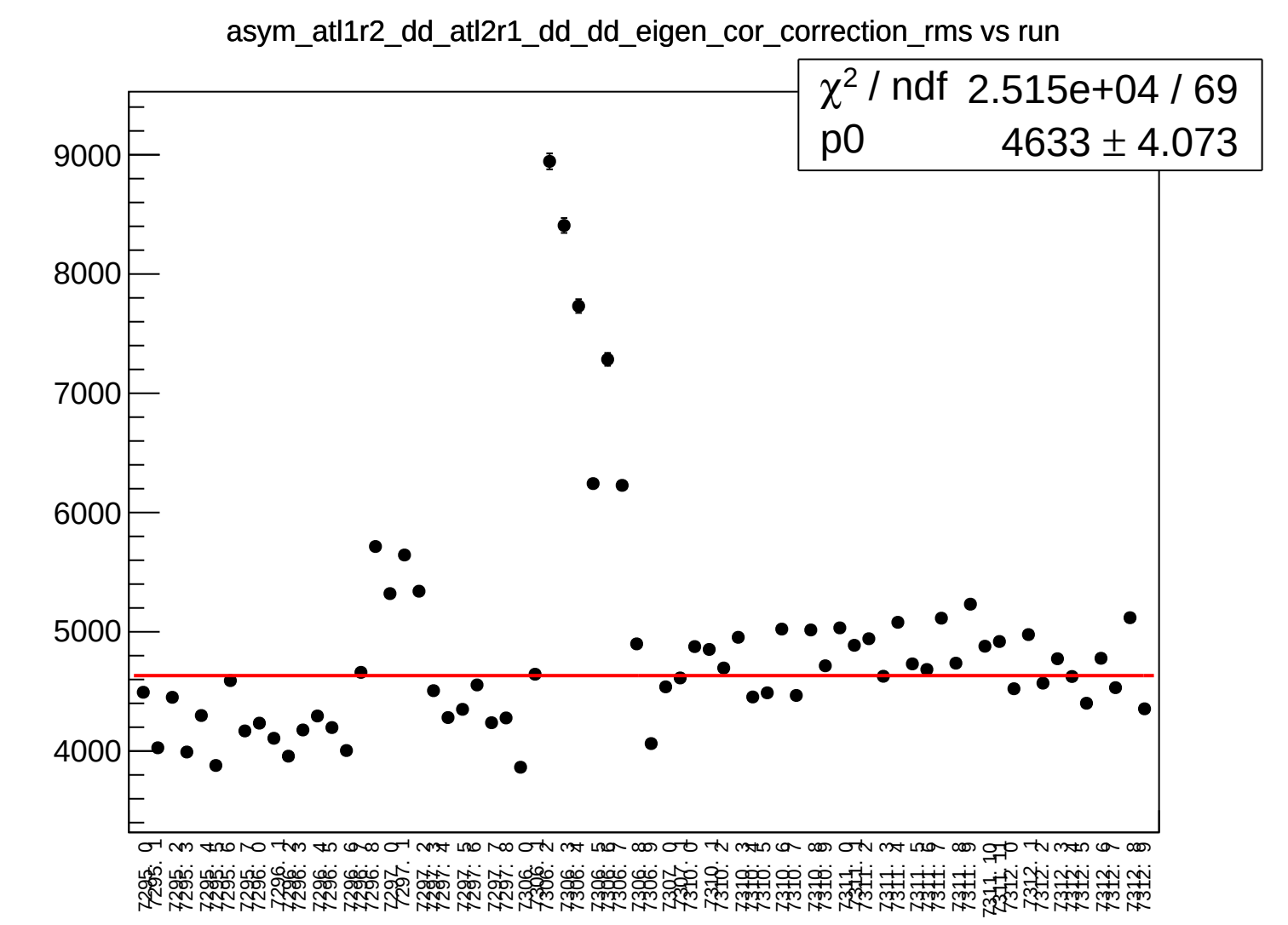

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.11 / 69
p0 1966 ± 1507
pull
Entries 70
Mean 9.578
Std Dev 83.29

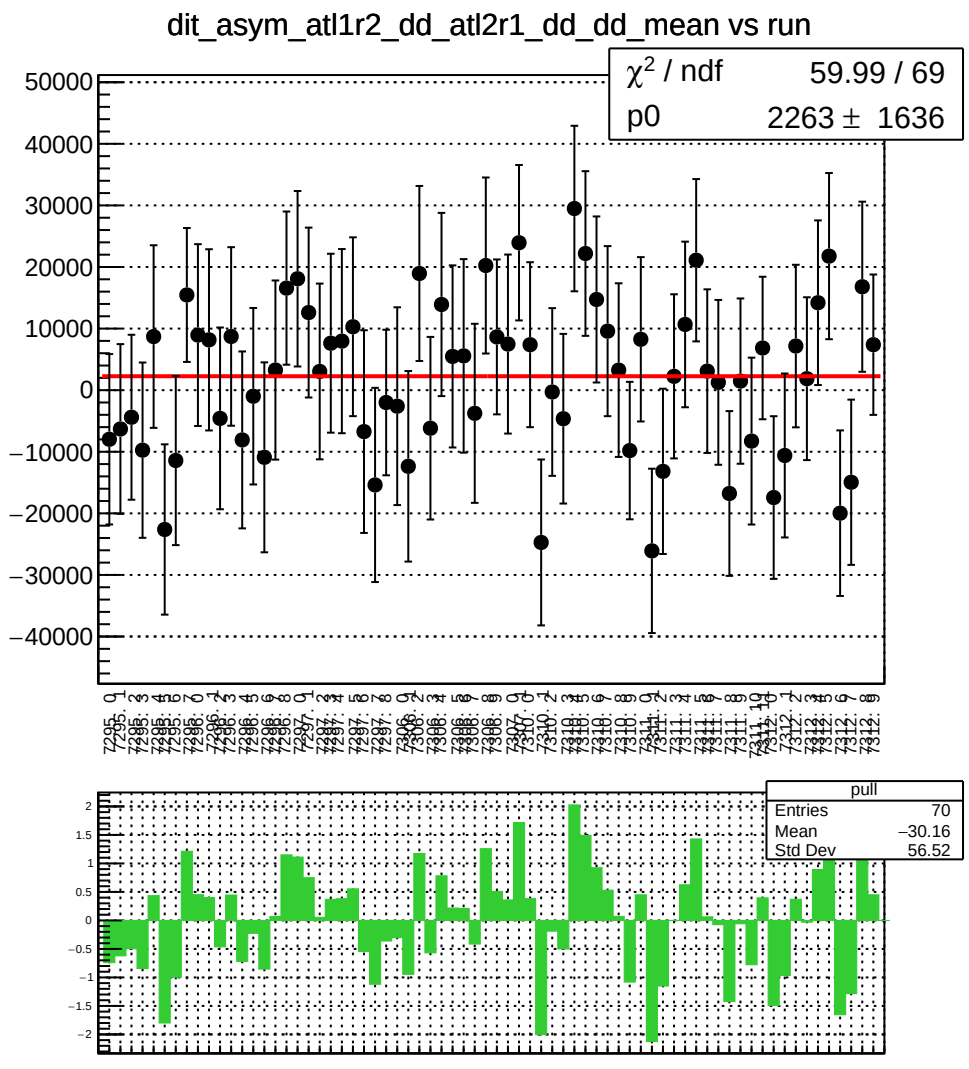

pull1D
Entries 70
Mean −0.006627
Std Dev 0.9864

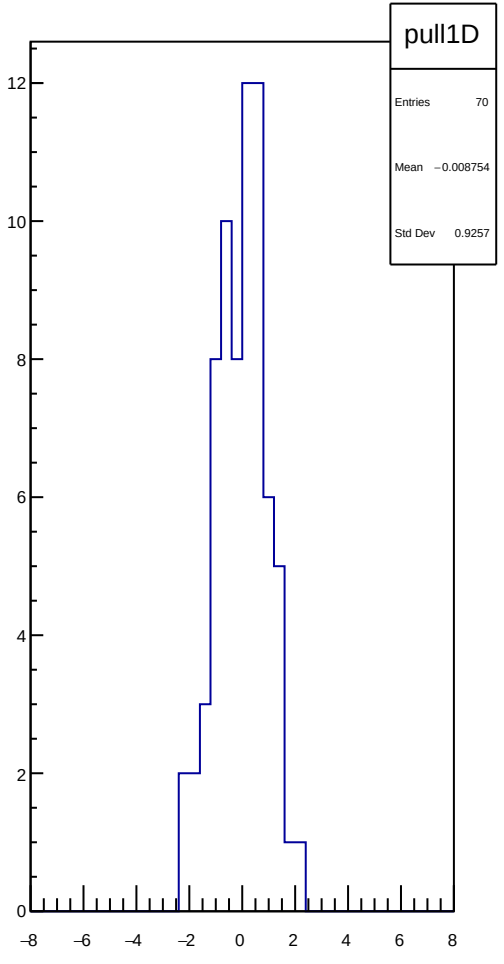

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1242 / 69
p0 1224 ± 1.066
1400
1350
1300
1250
1200
1150

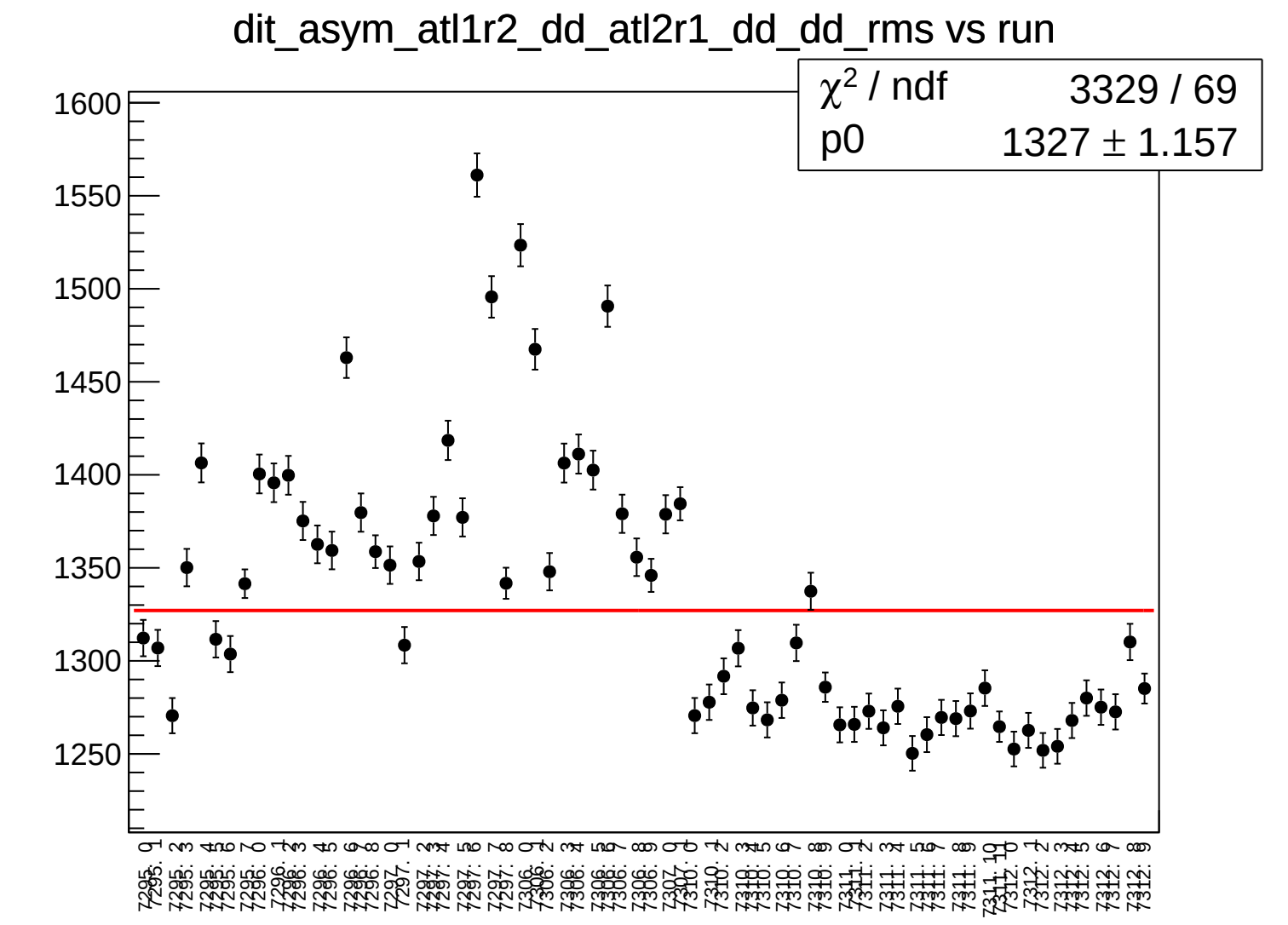

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.11 / 69
p0 1185 ± 5760
pull
Entries 70
Mean 1395
Std Dev 0

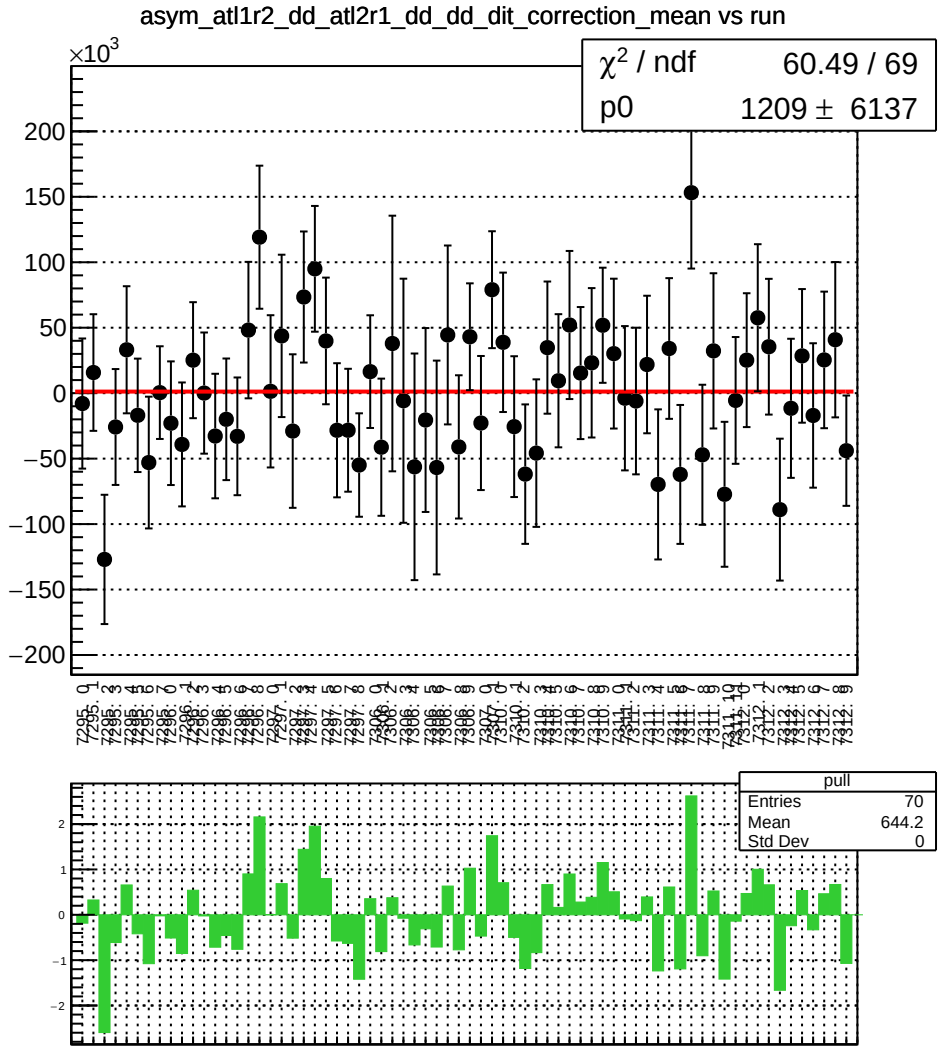

pull1D
Entries 70
Mean 0.001272
Std Dev 0.9189

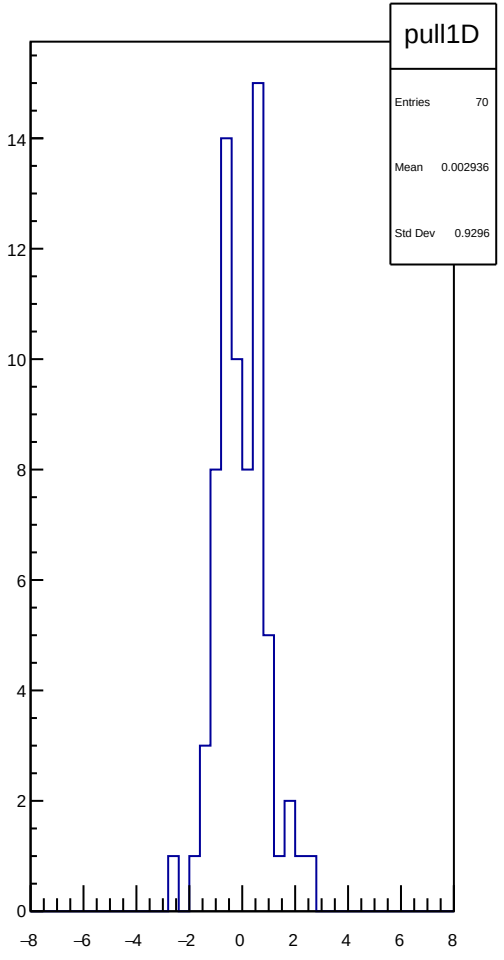

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.515e+04 / 69
p0 4633 ± 4.073
9000
8000
7000
6000
5000
4000

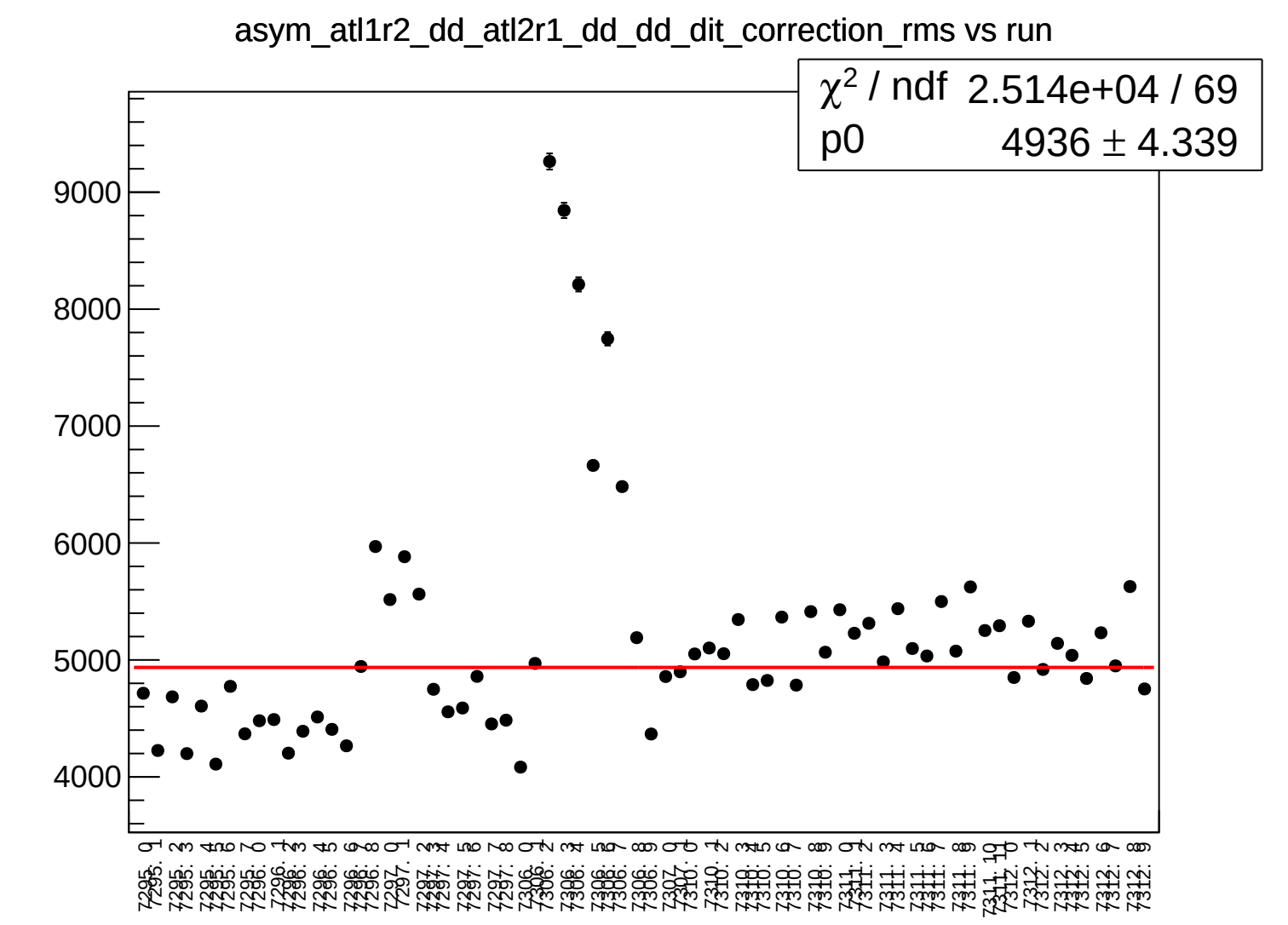

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.16
Std Dev 56.52

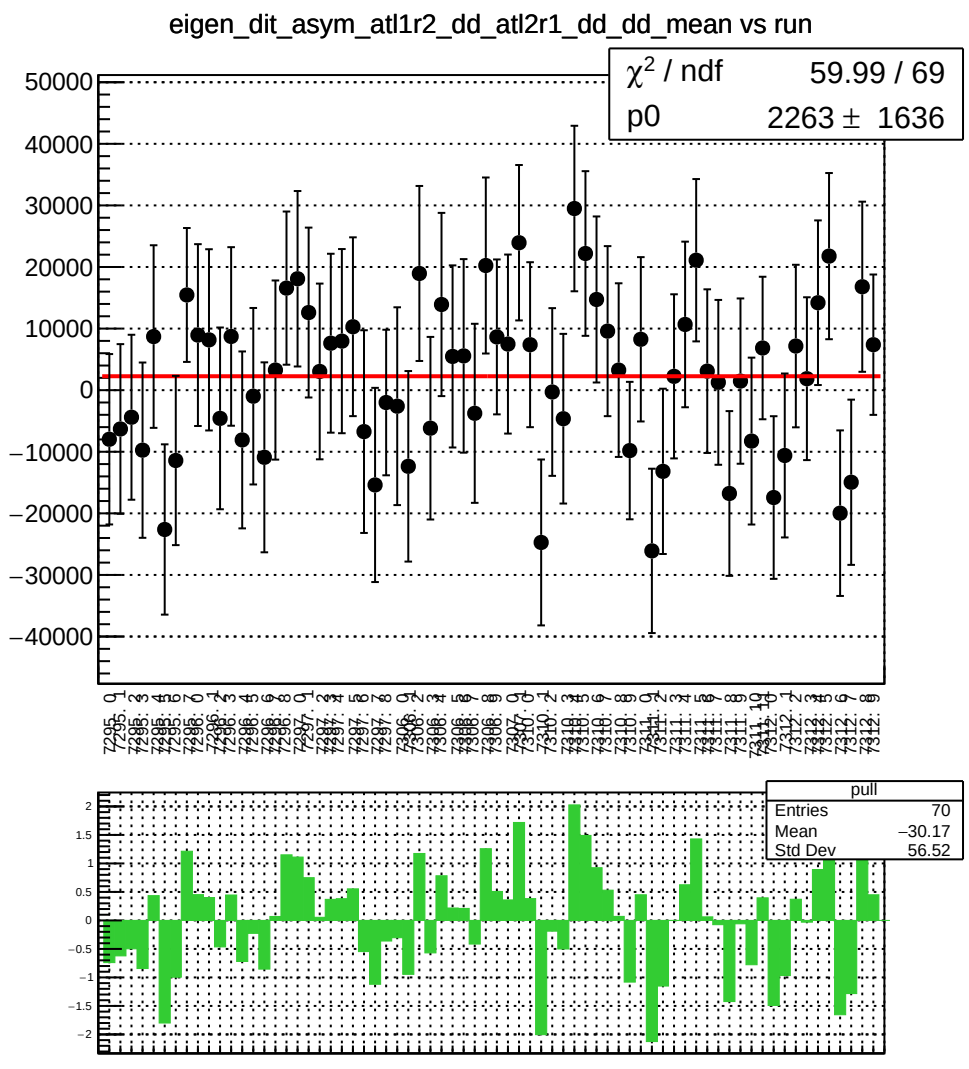

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

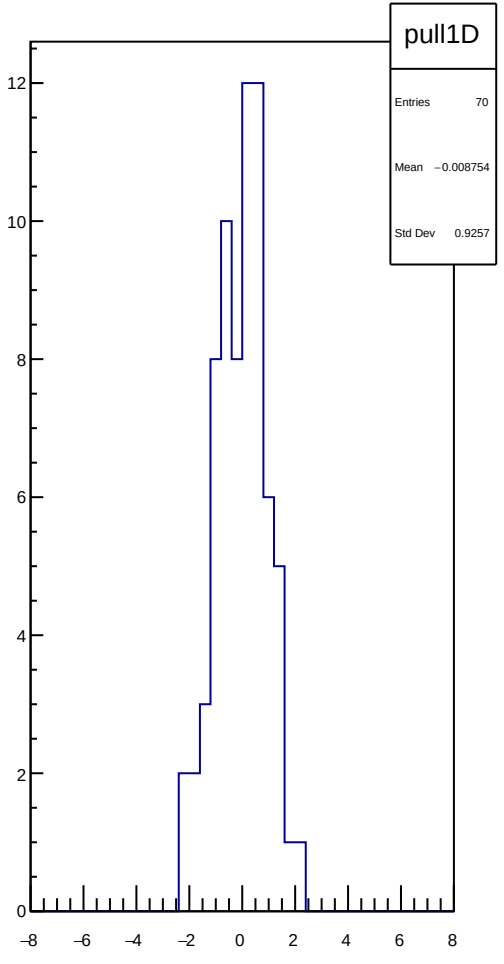

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

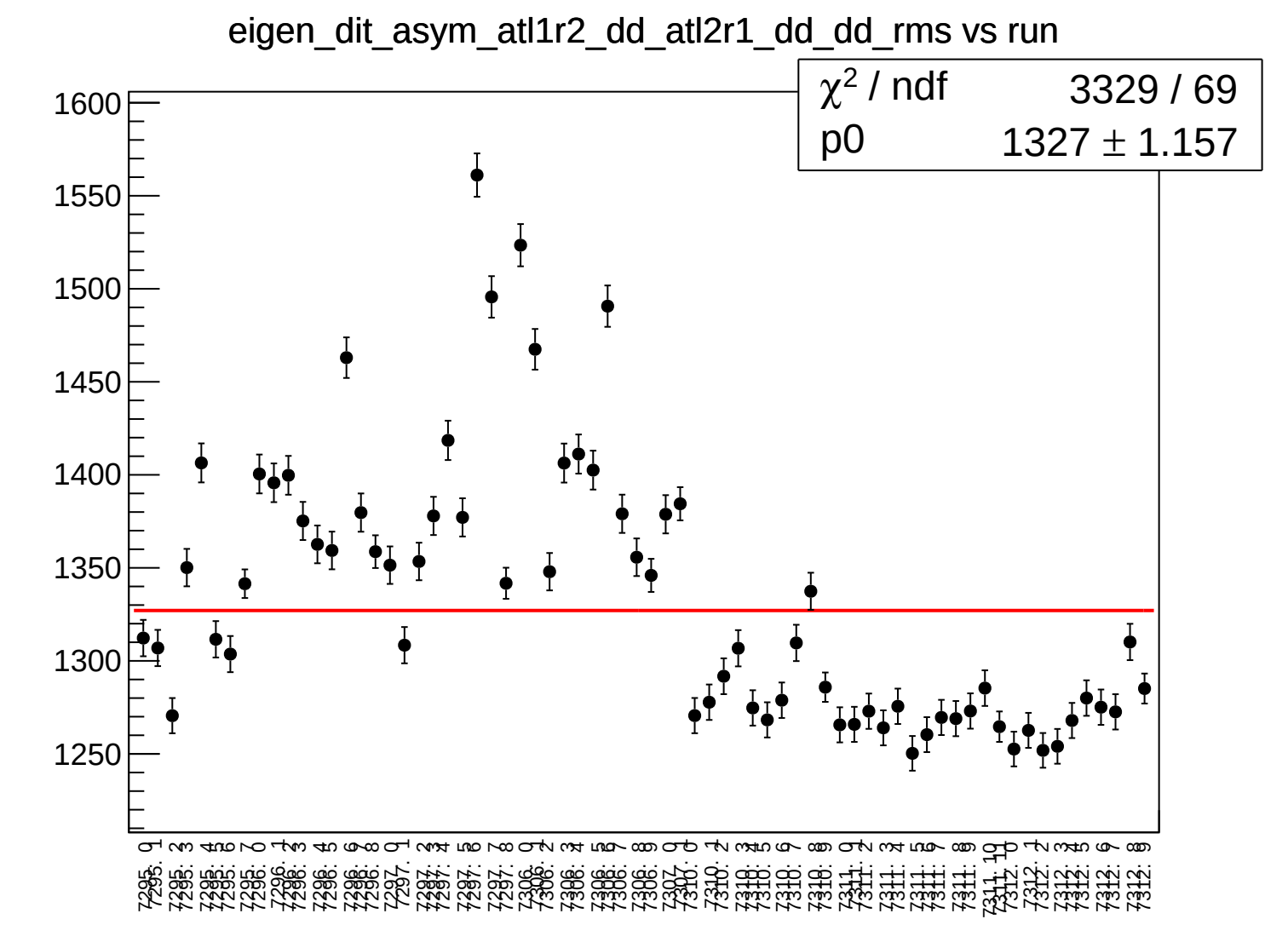

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

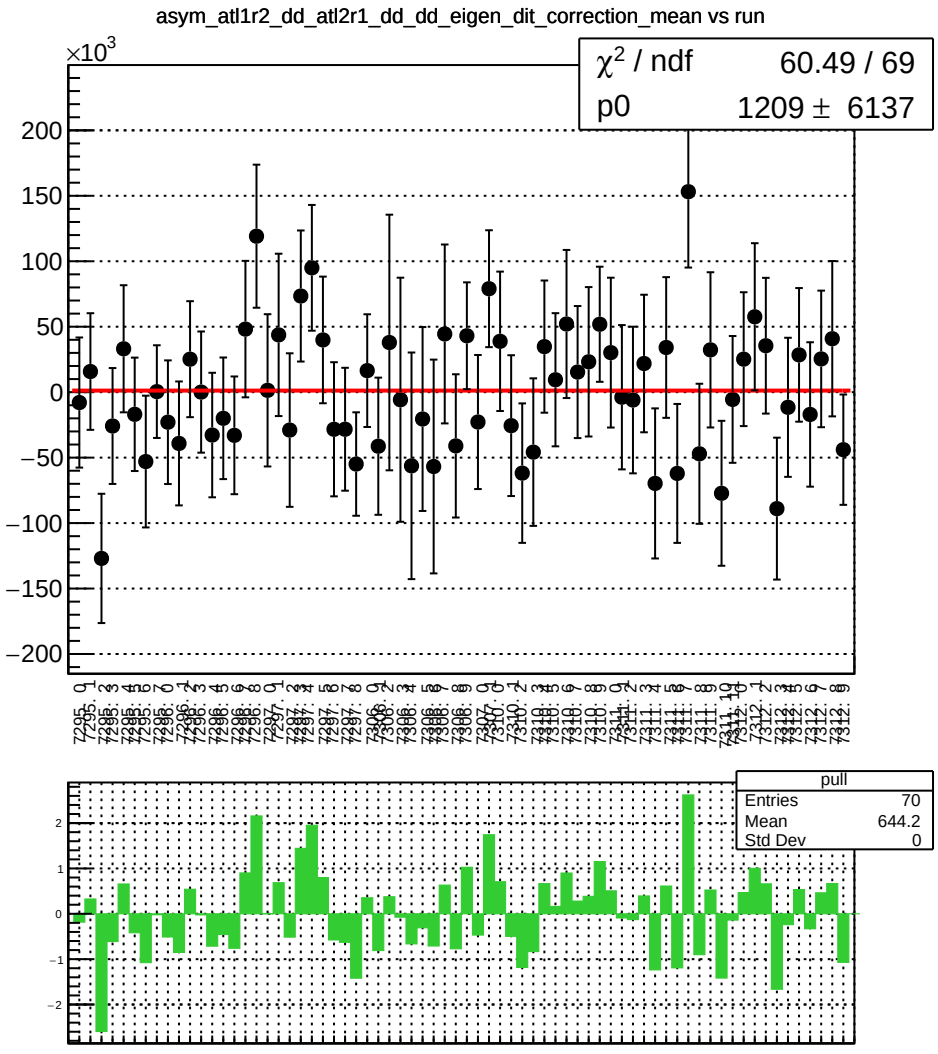

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

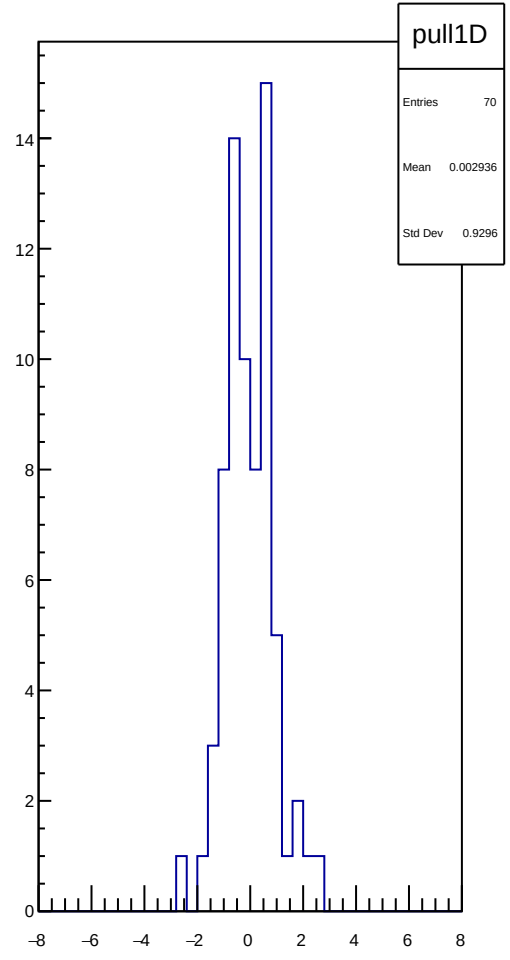

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

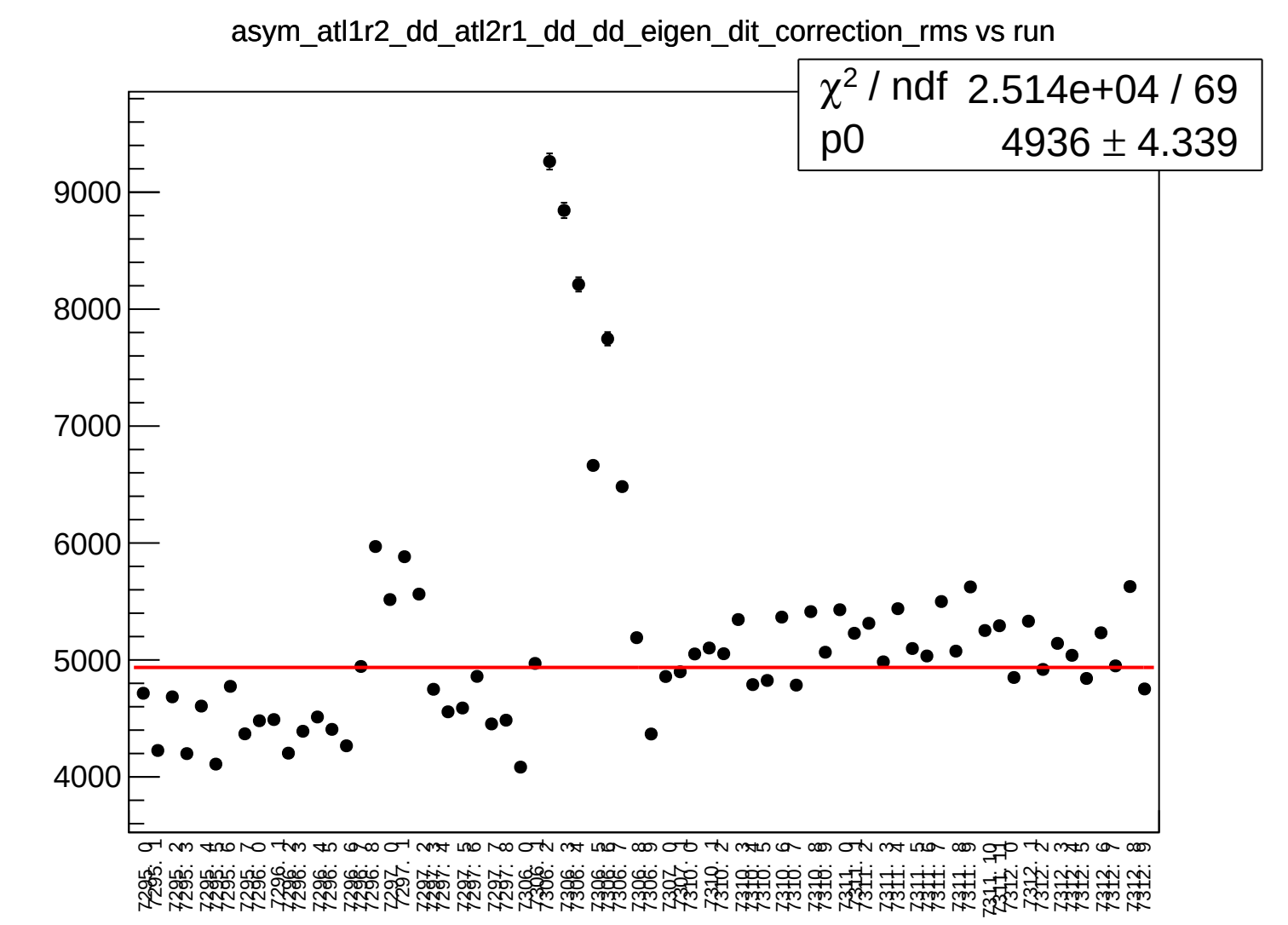

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 59.99 / 69
p0 2263 ± 1636
pull
Entries 70
Mean −30.17
Std Dev 56.52

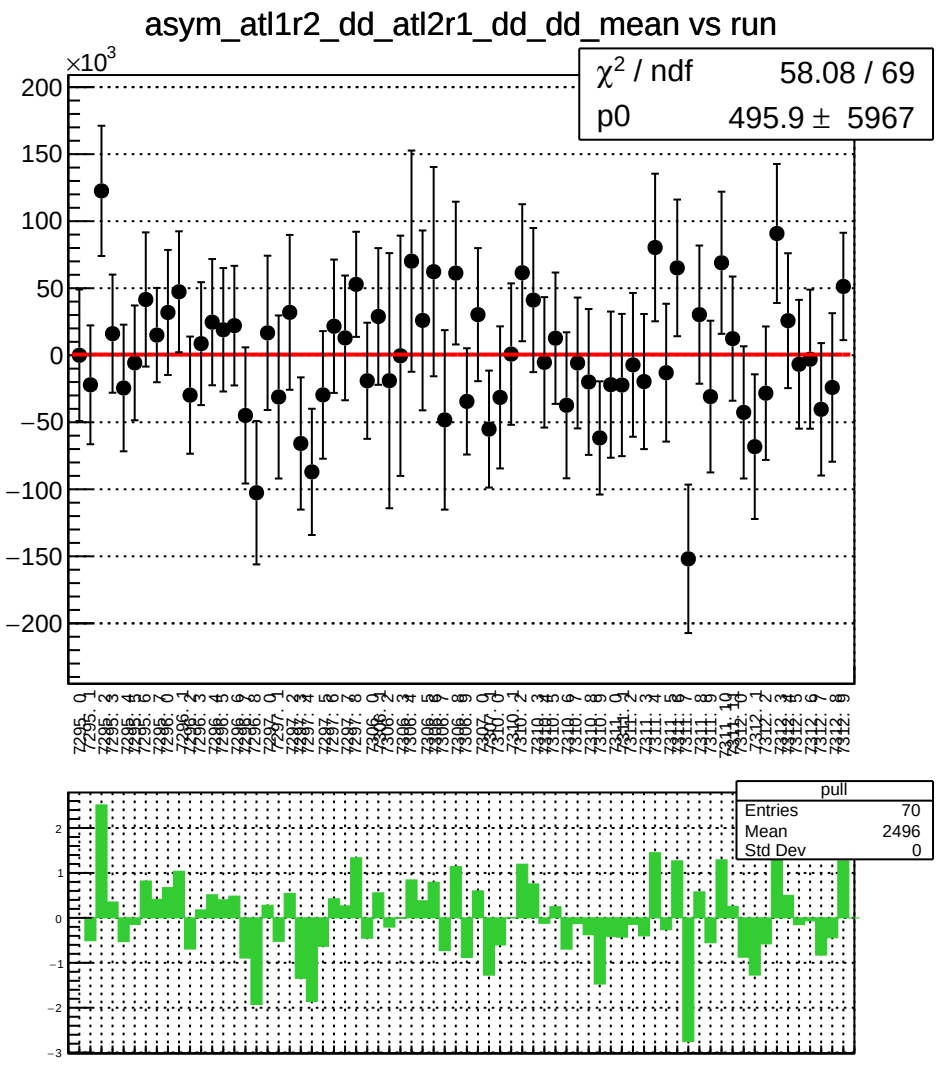

pull1D
Entries 70
Mean −0.008754
Std Dev 0.9257

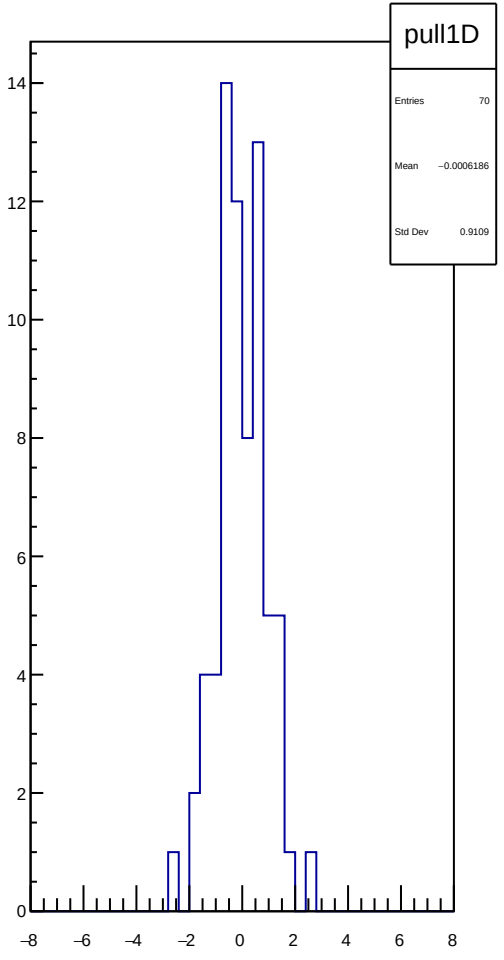

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3329 / 69
p0 1327 ± 1.157
1600
1550
1500
1450
1400
1350
1300
1250

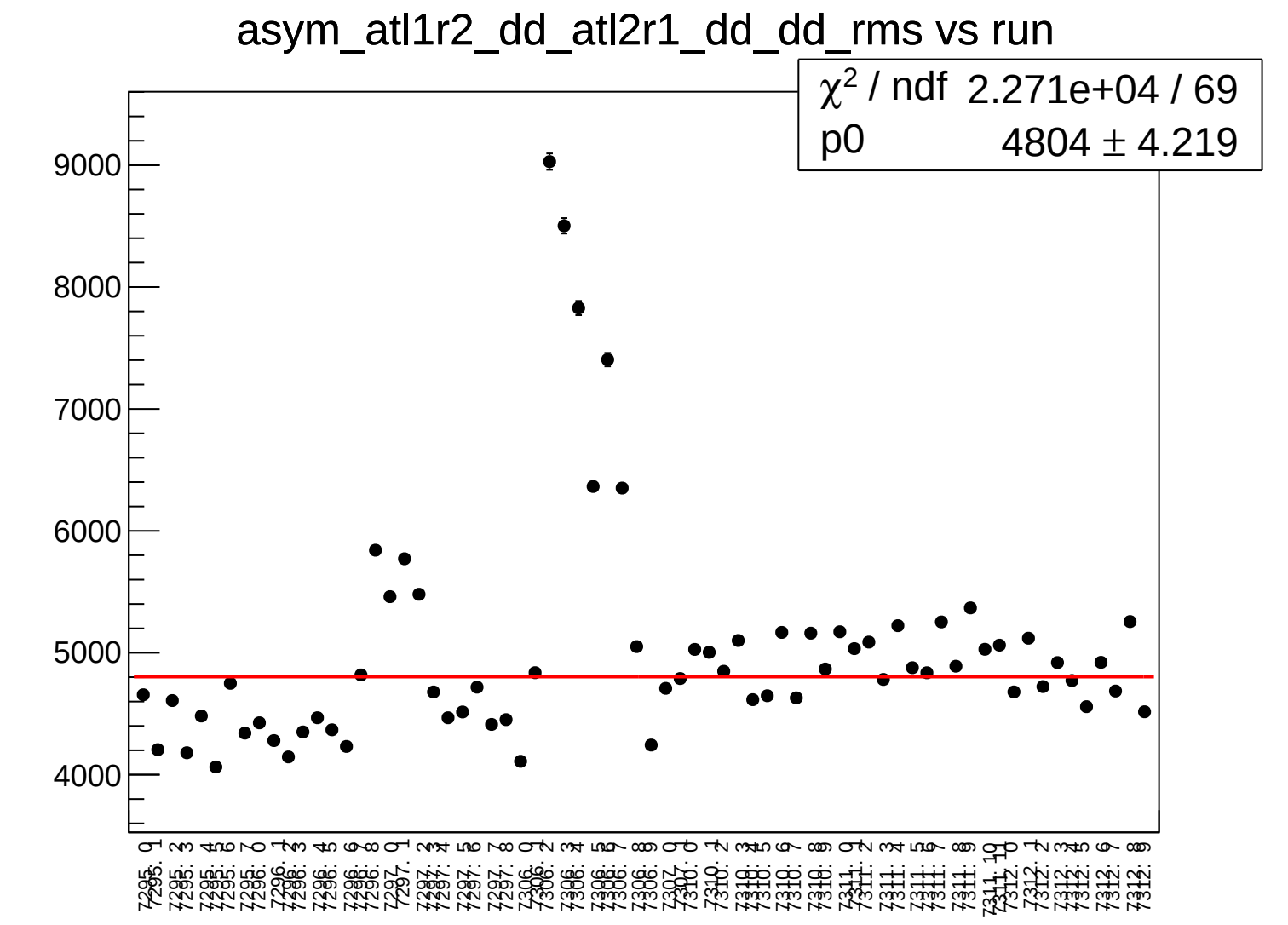

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.49 / 69
p0 1209 ± 6137
pull
Entries 70
Mean 644.2
Std Dev 0

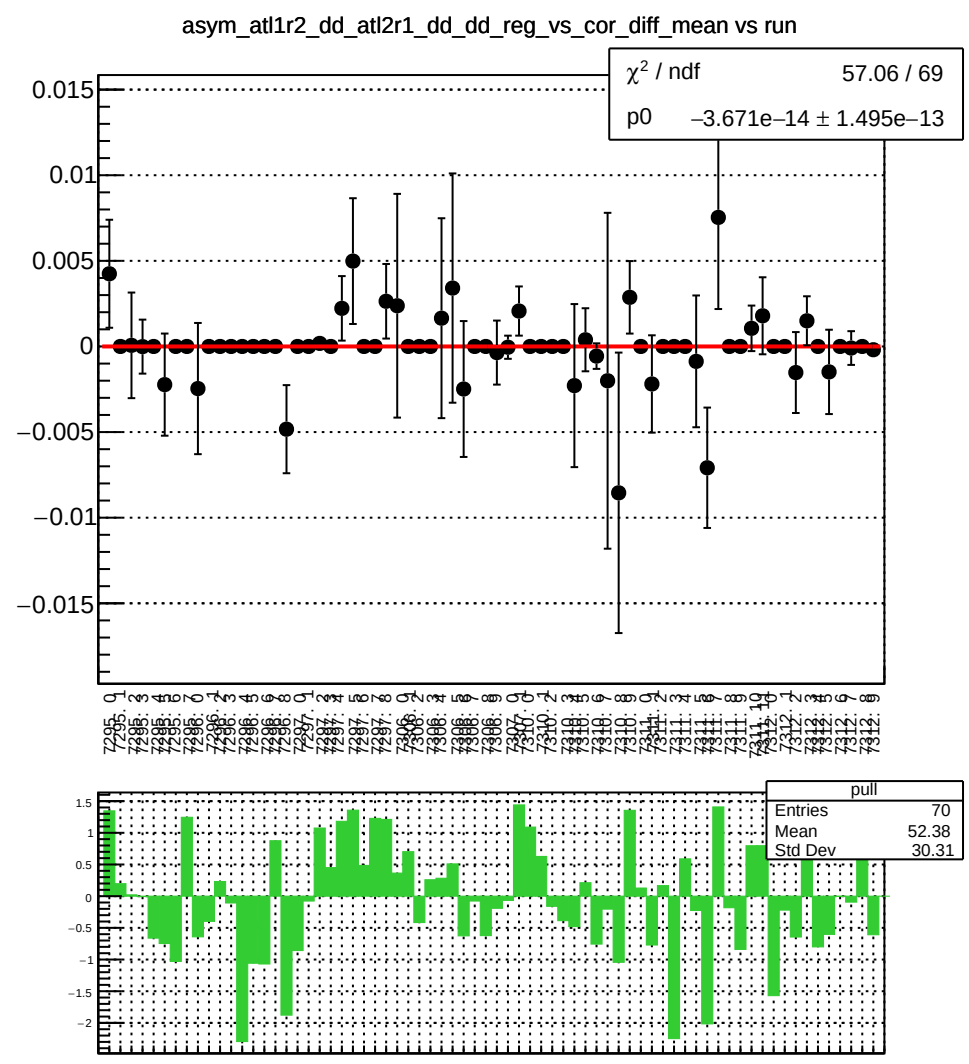

pull1D
Entries 70
Mean 0.002936
Std Dev 0.9296

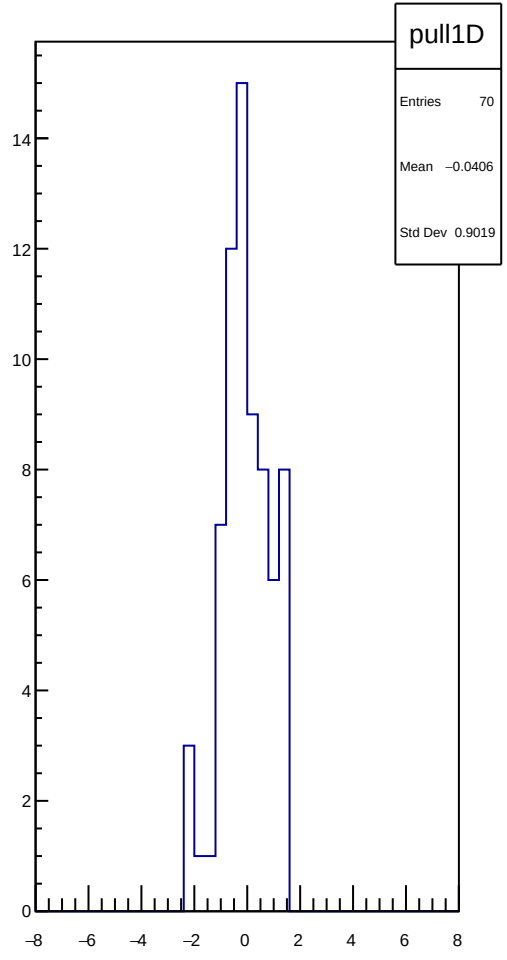

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 69
p0 4936 ± 4.339
9000
8000
7000
6000
5000
4000

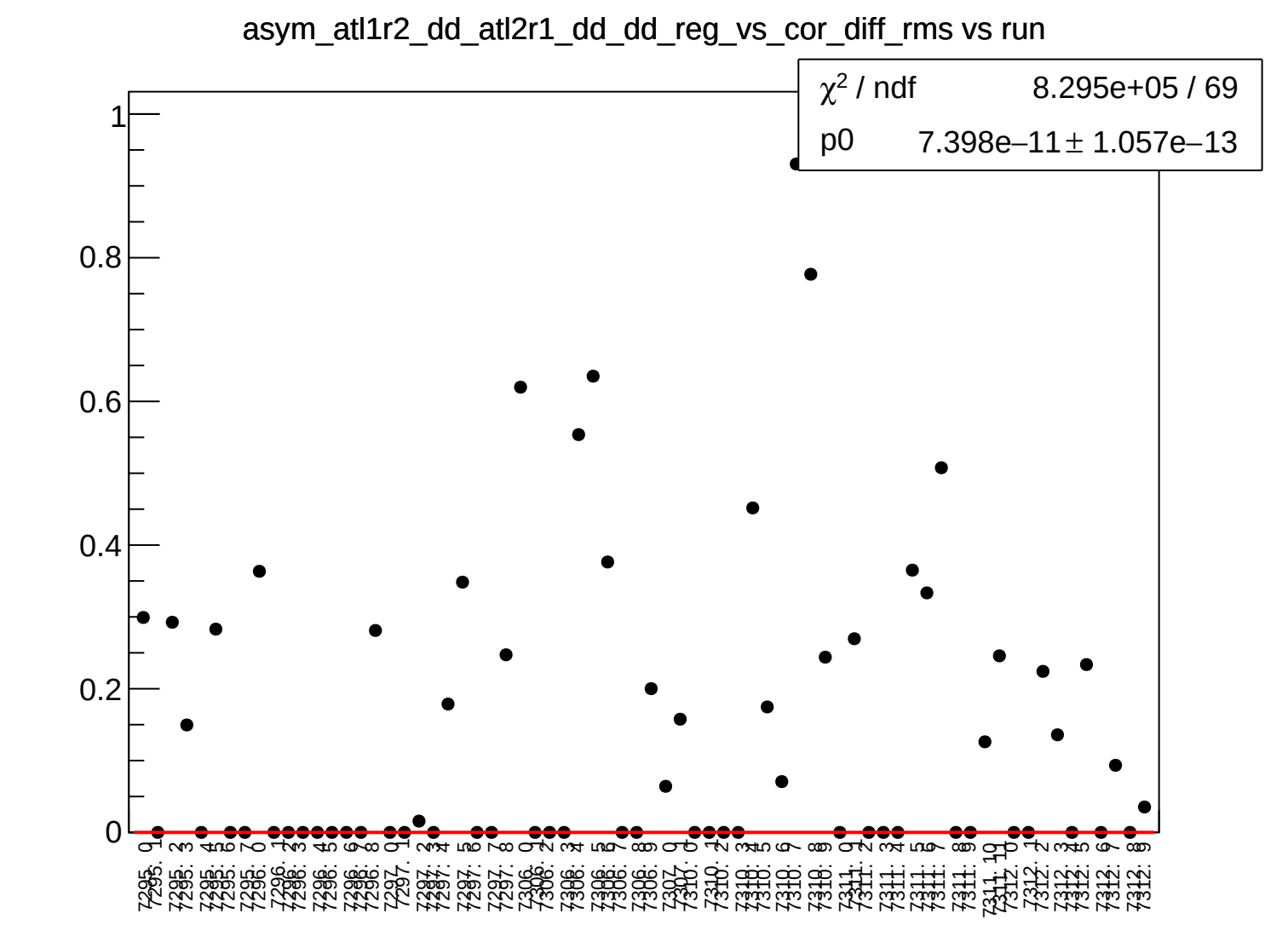

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 58.08 / 69
p0 495.9 ± 5967
pull
Entries 70
Mean 2496
Std Dev 0


pull1D
Entries 70
Mean −0.0006186
Std Dev 0.9109

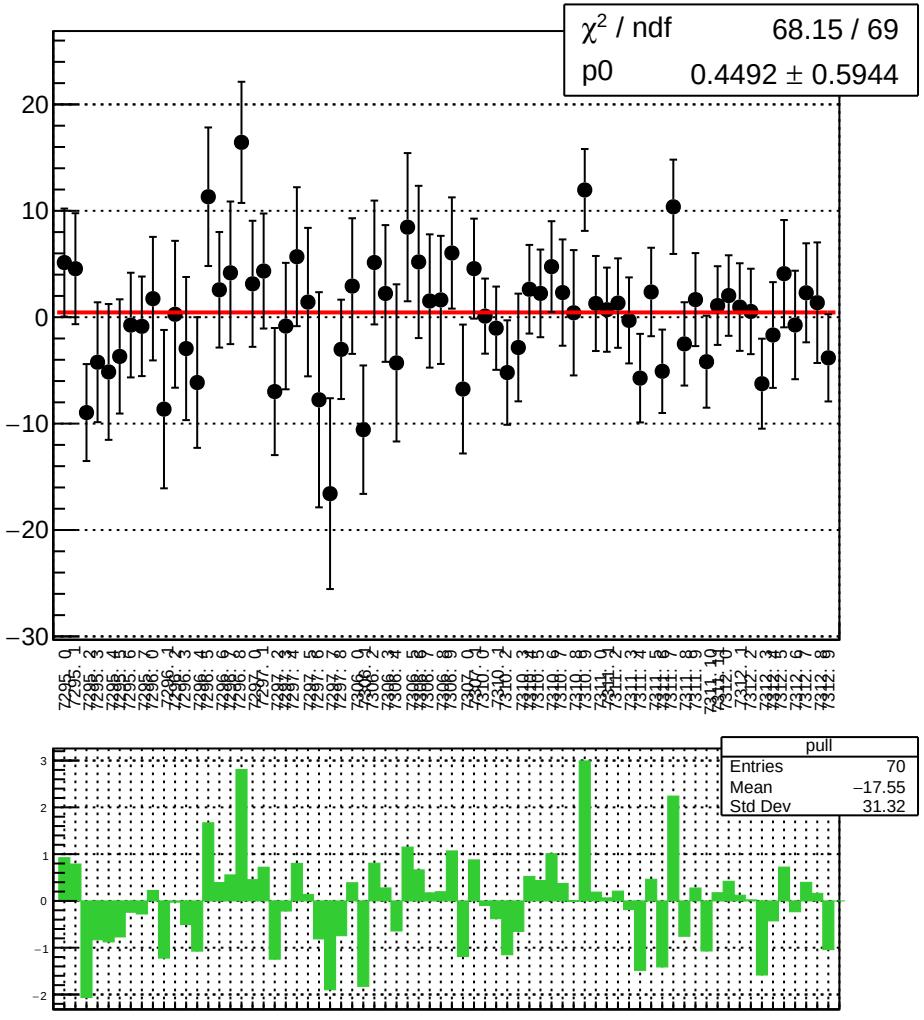

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ^2 / ndf 2.271e+04 / 69
p0 4804 ± 4.219
9000
8000
7000
6000
5000
4000

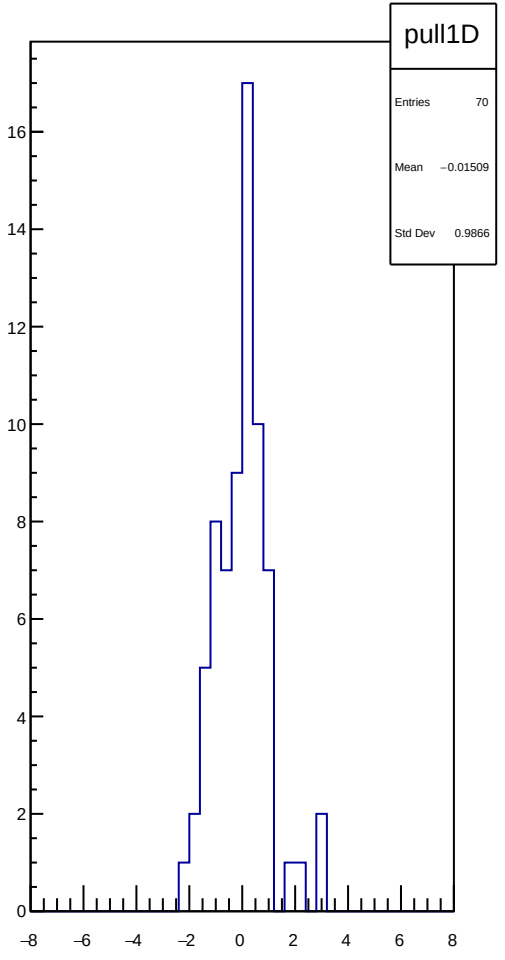

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.06 / 69
p0 −3.671e−14 ± 1.495e−13
pull
Entries 70
Mean 52.38
Std Dev 30.31

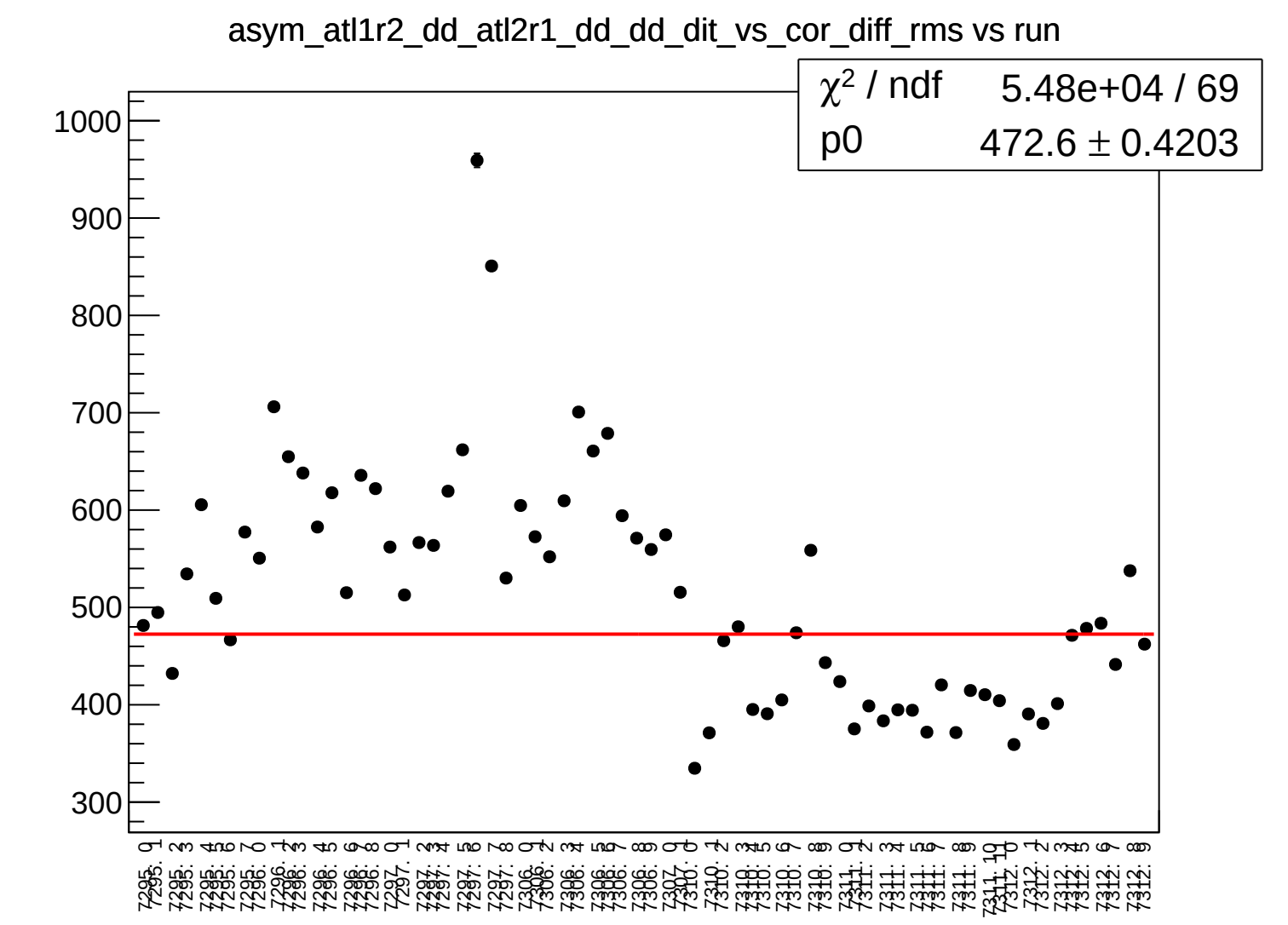

pull1D
Entries 70
Mean −0.0406
Std Dev 0.9019

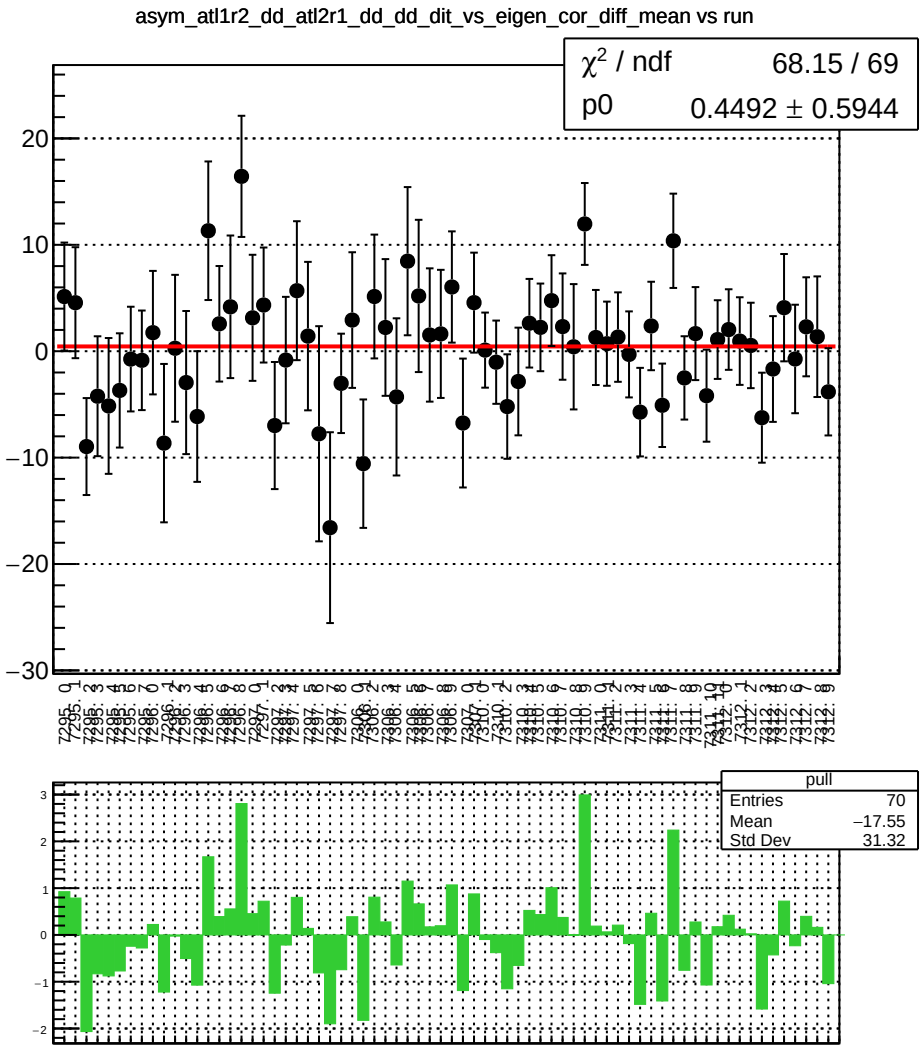

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.295e+05 / 69
p0 7.398e−11 ± 1.057e−13
1
0.8
0.6
0.4
0.2
0

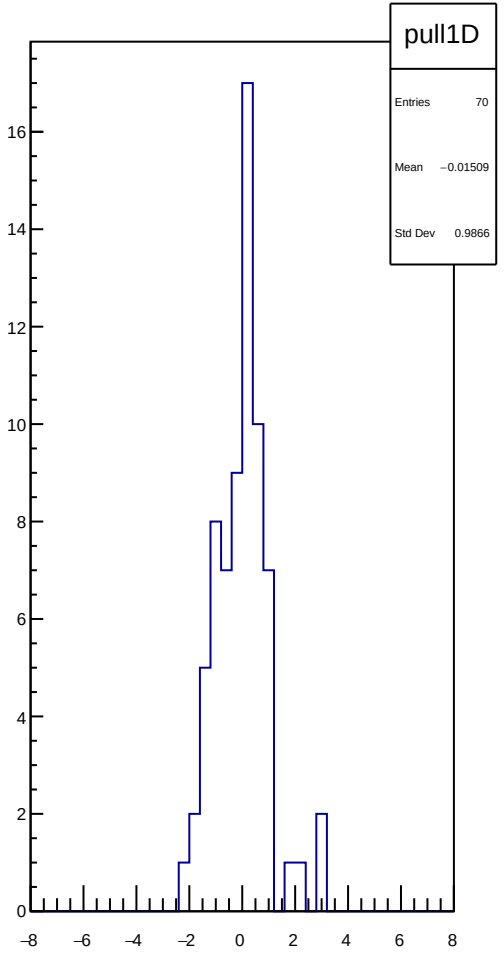
asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run

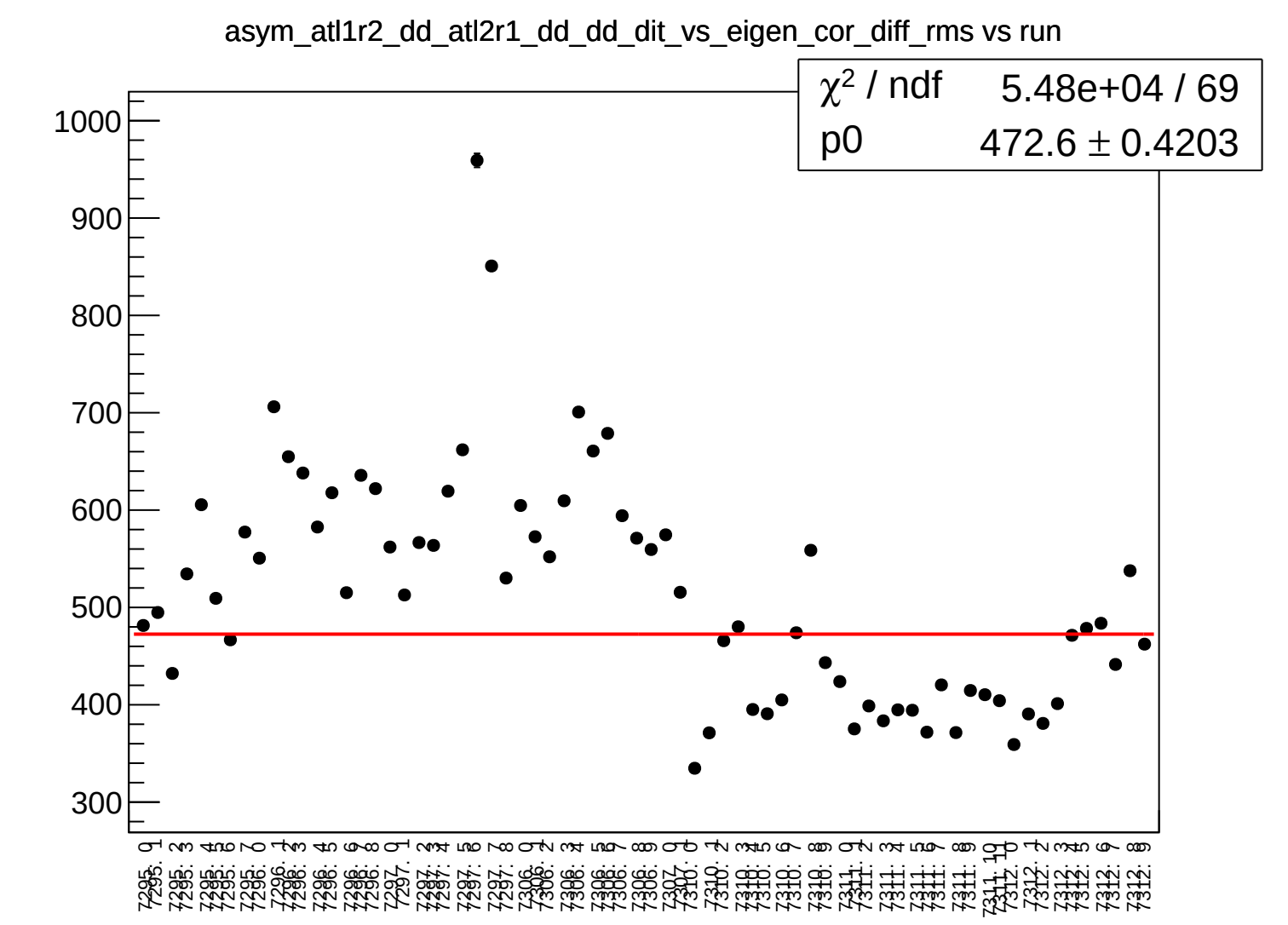


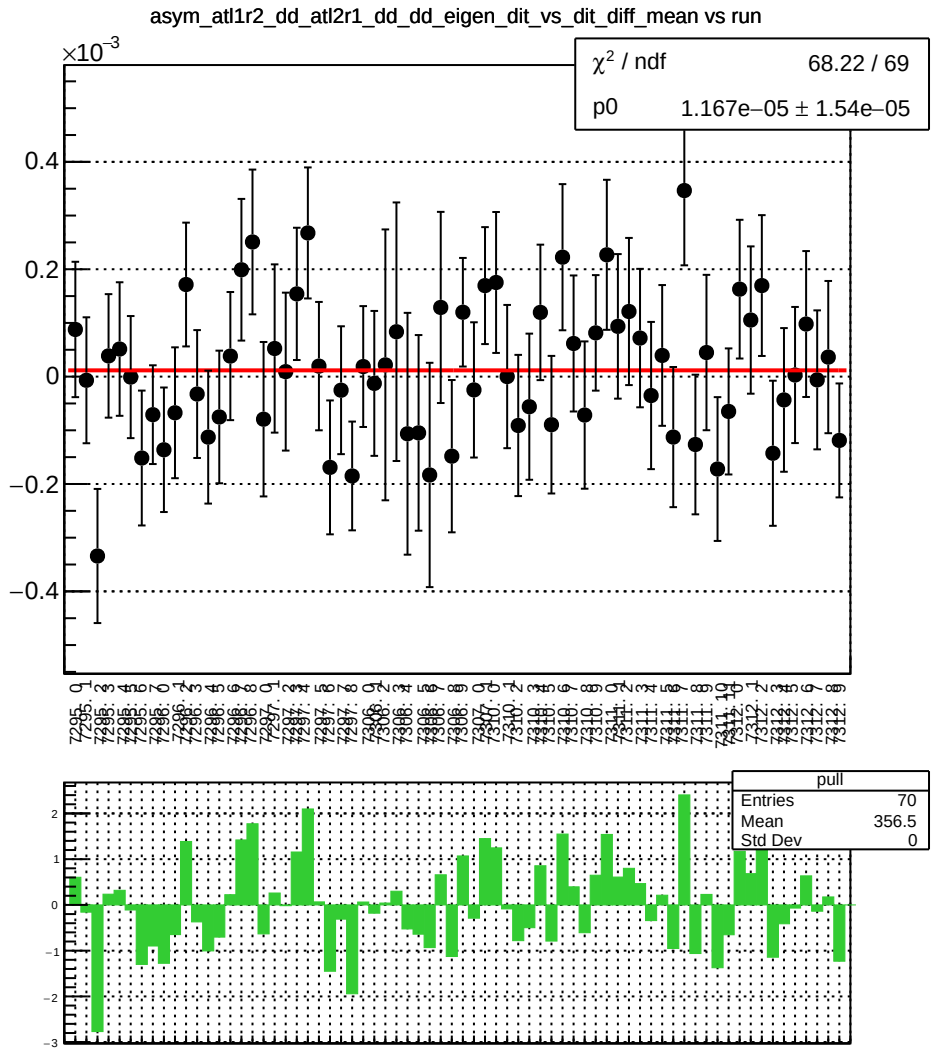


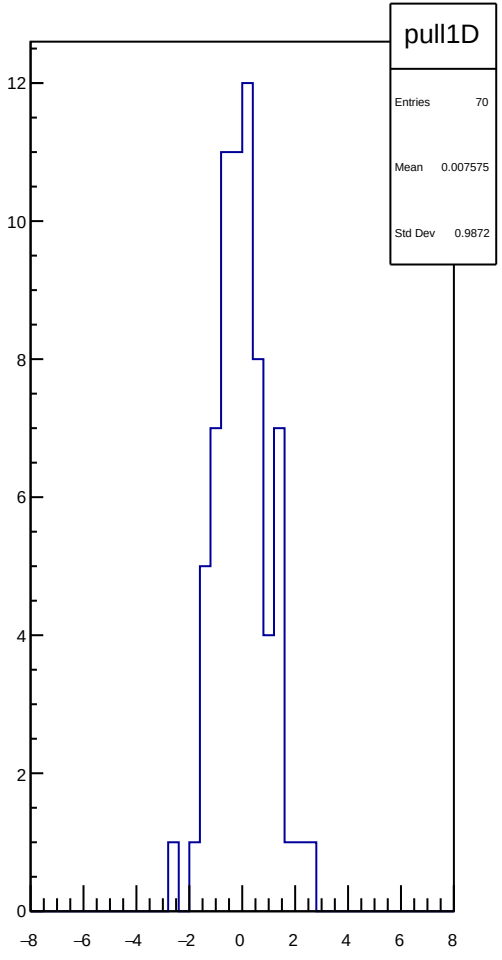

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

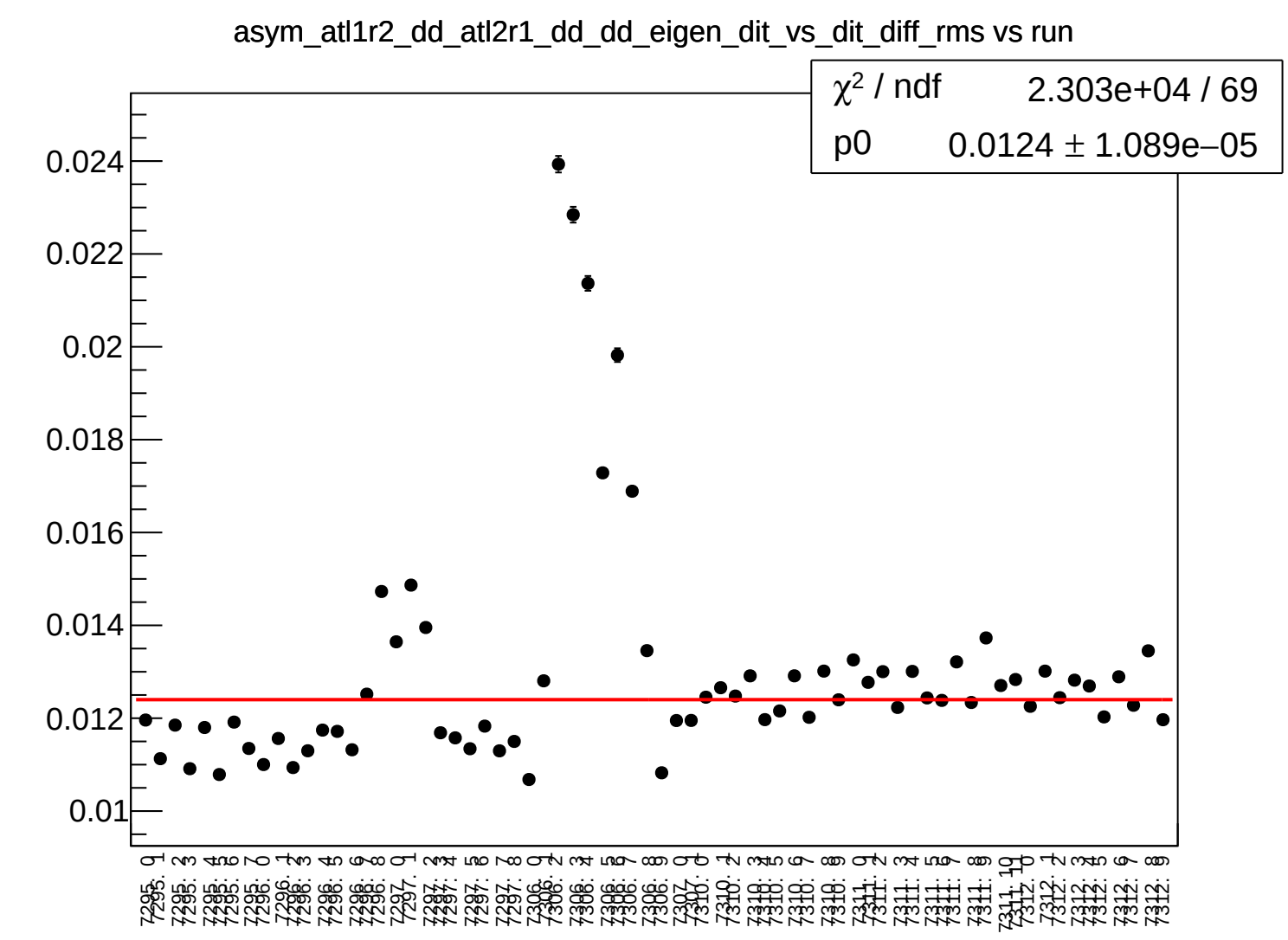

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.55
Std Dev 31.32

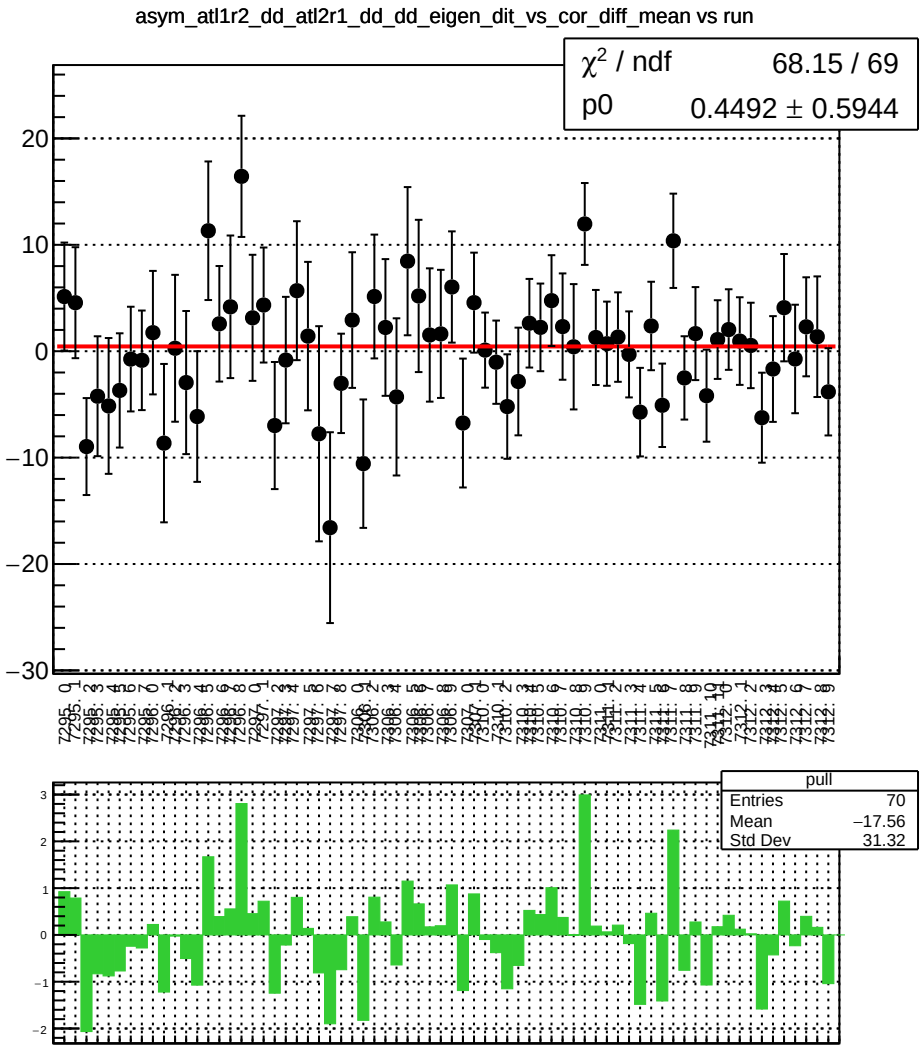

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

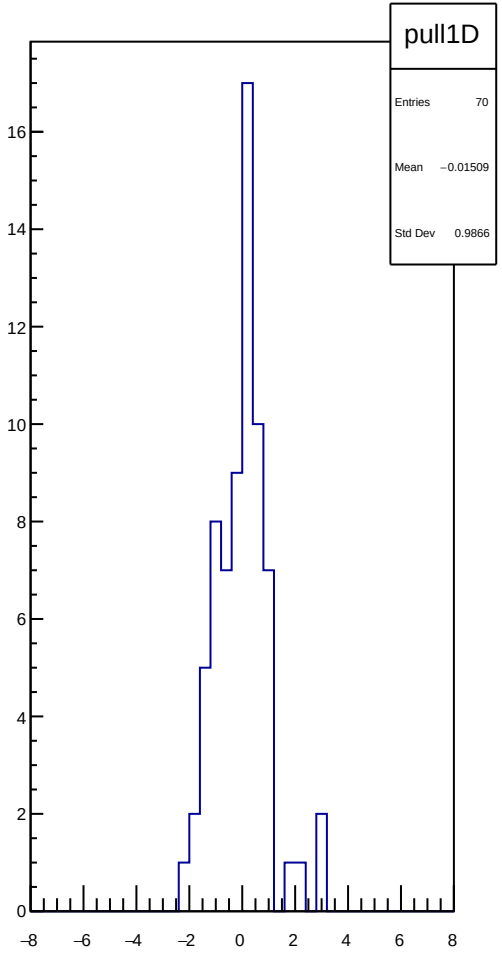

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

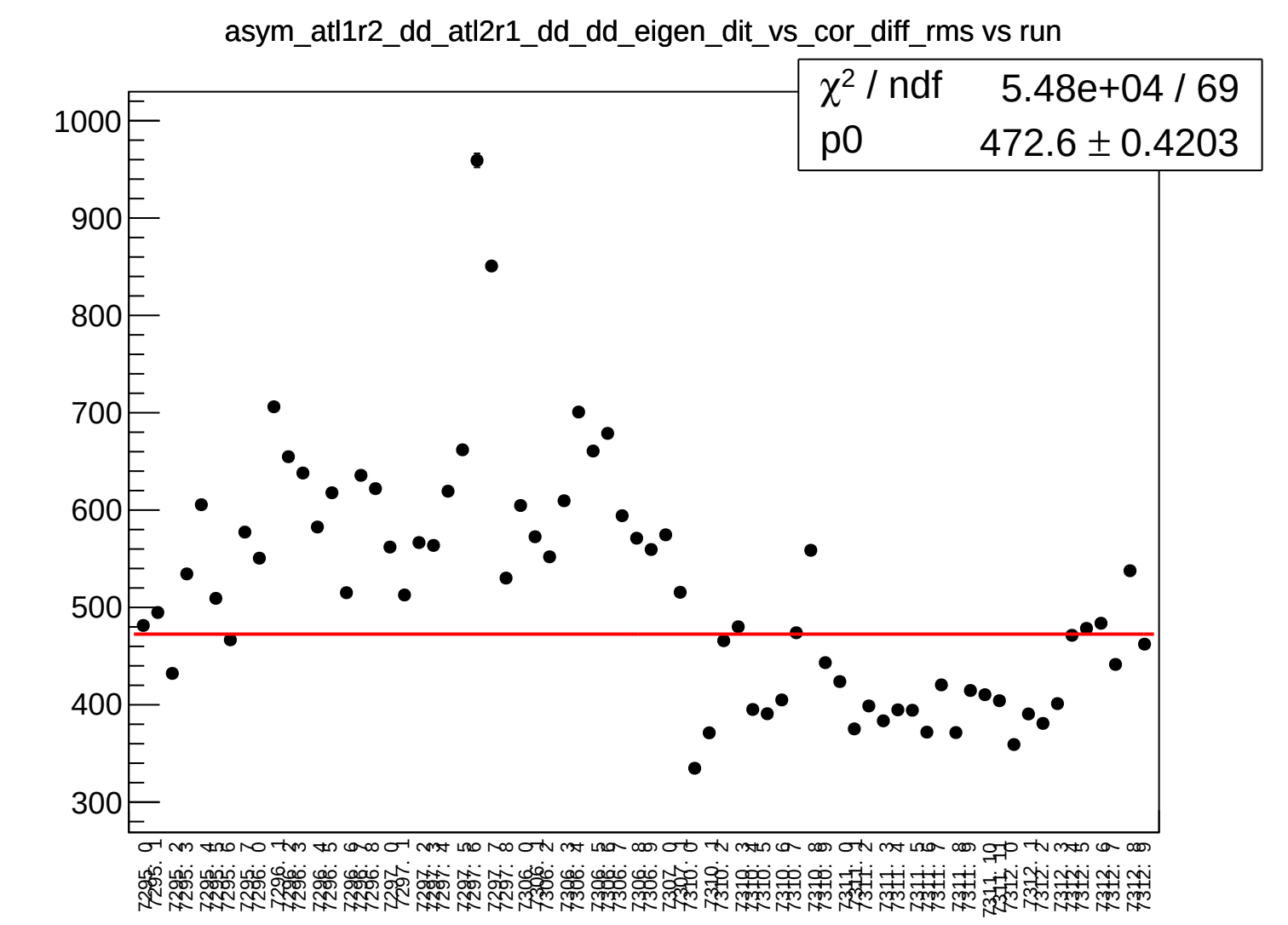

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.22 / 69
p0 1.167e−05 ± 1.54e−05
×10⁻³
pull
Entries 70
Mean 356.5
Std Dev 0

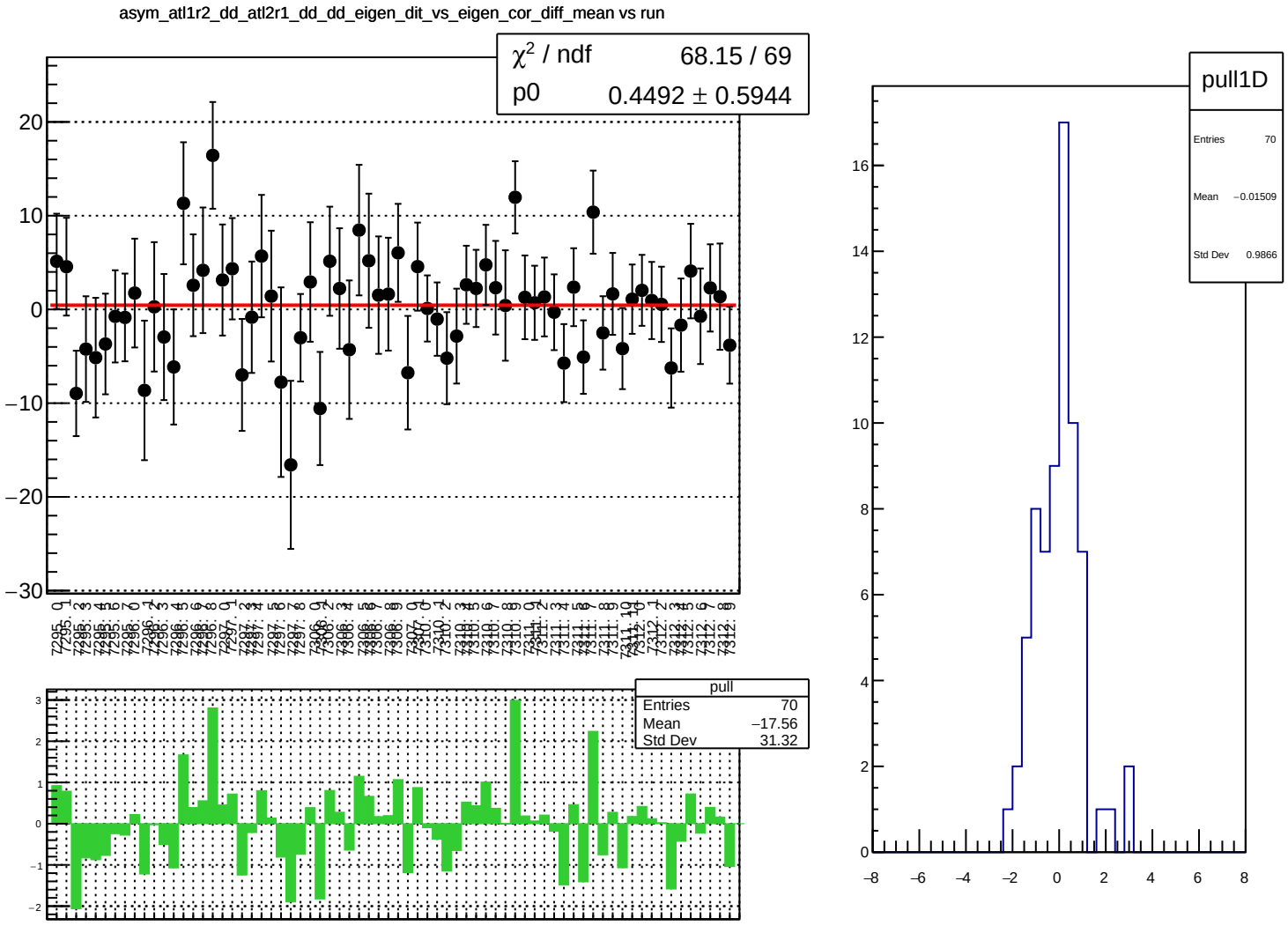

pull1D
Entries 70
Mean 0.007575
Std Dev 0.9872

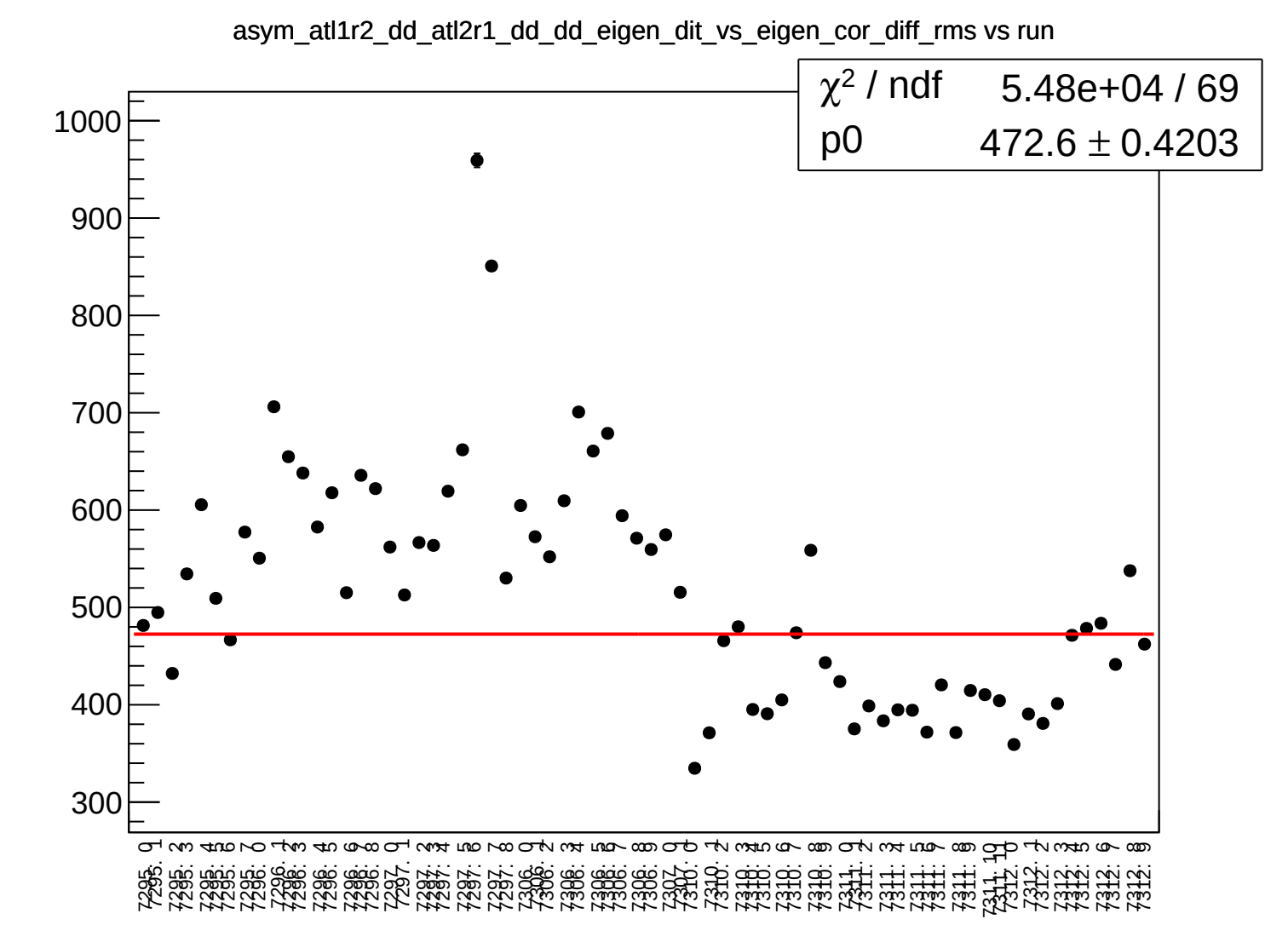

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.303e+04 / 69
p0 0.0124 ± 1.089e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

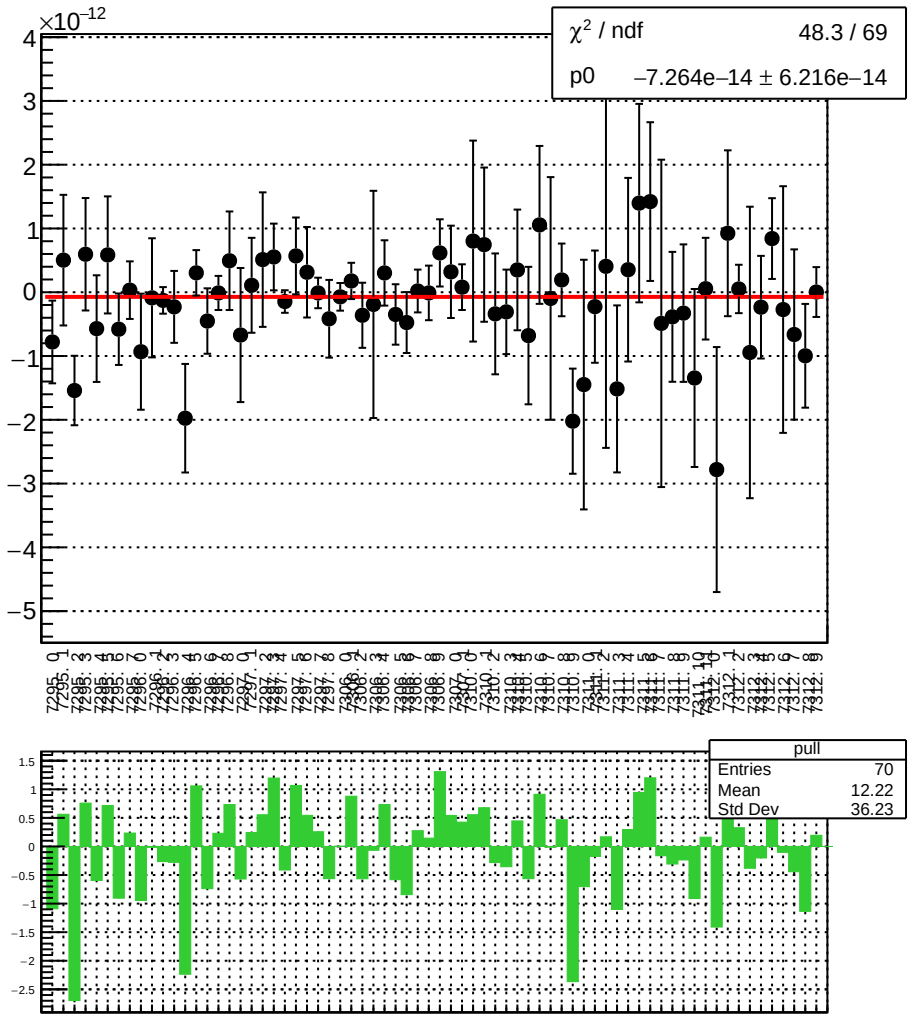

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32

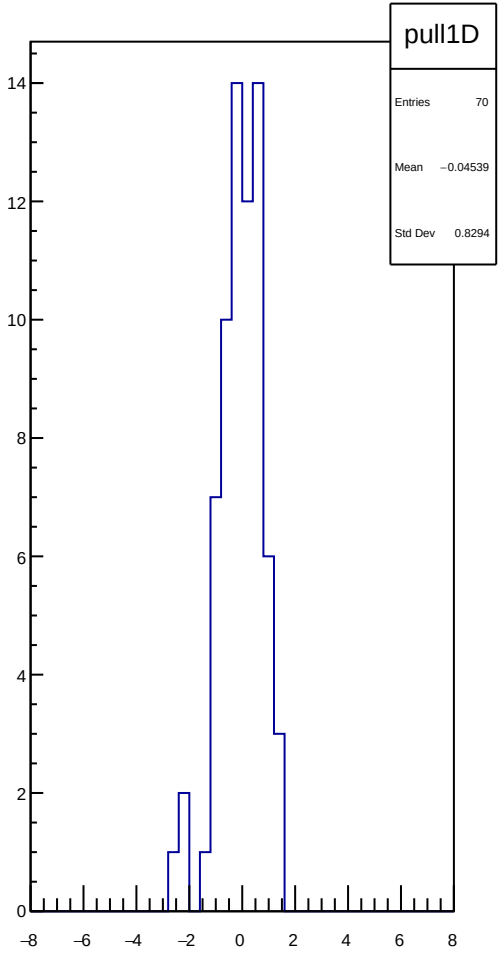

pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

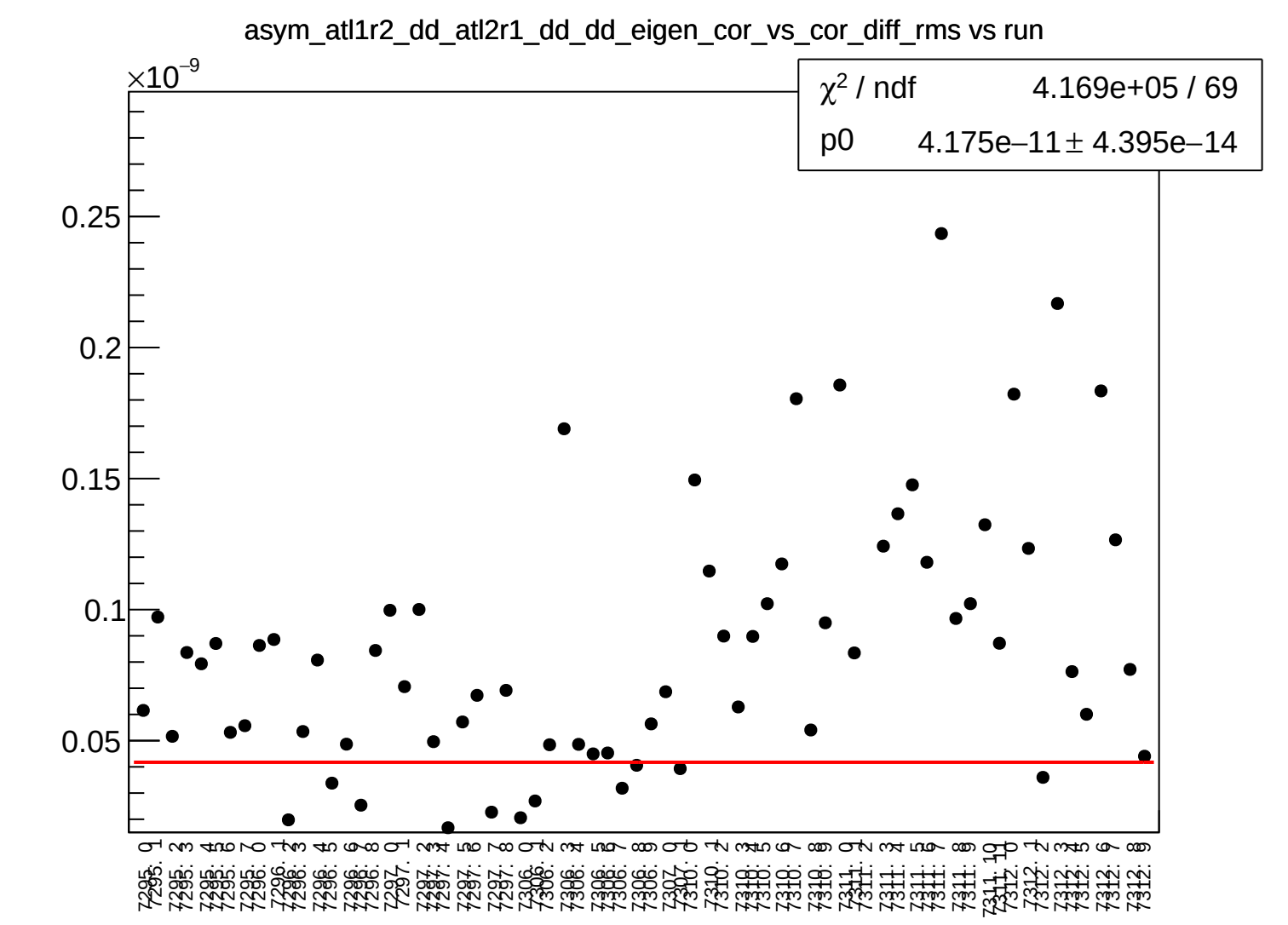

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

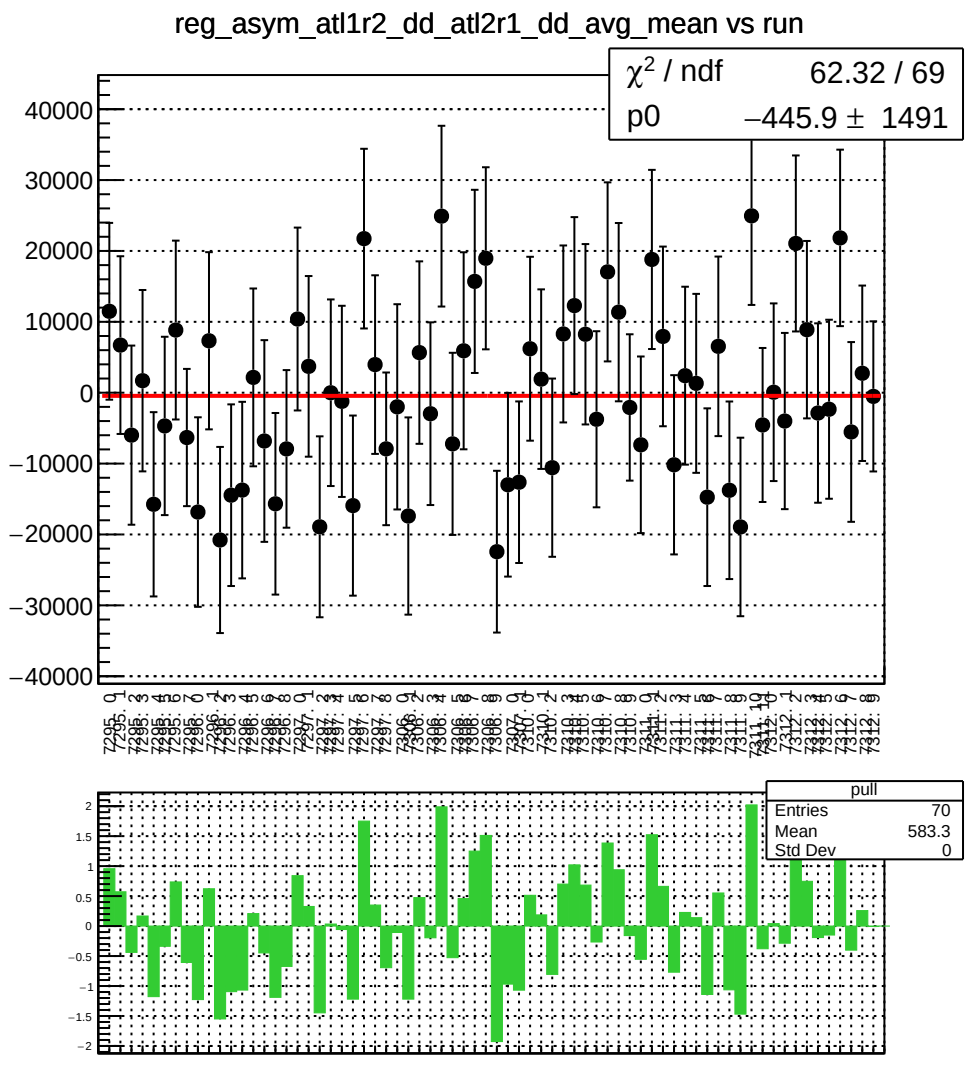

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.15 / 69
p0 0.4492 ± 0.5944
pull
Entries 70
Mean −17.56
Std Dev 31.32
pull1D
Entries 70
Mean −0.01509
Std Dev 0.9866

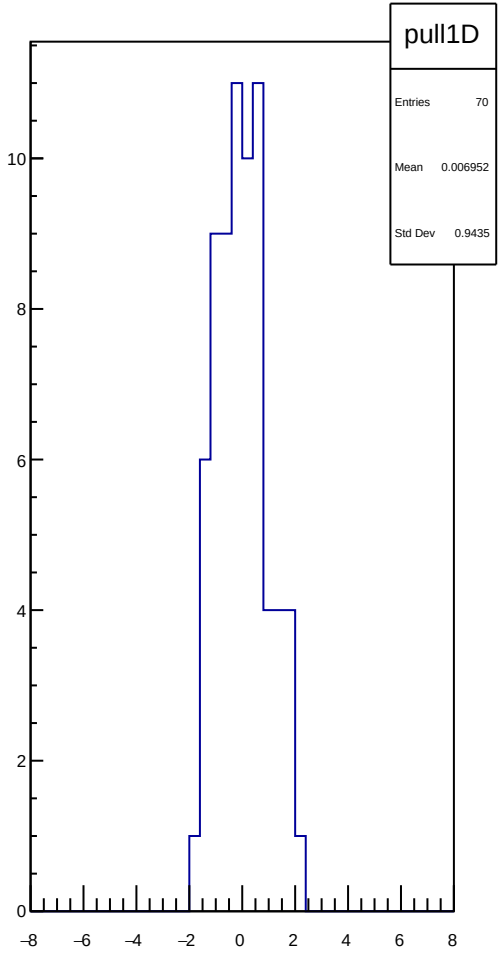

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 69
p0 472.6 ± 0.4203
1000
900
800
700
600
500
400
300

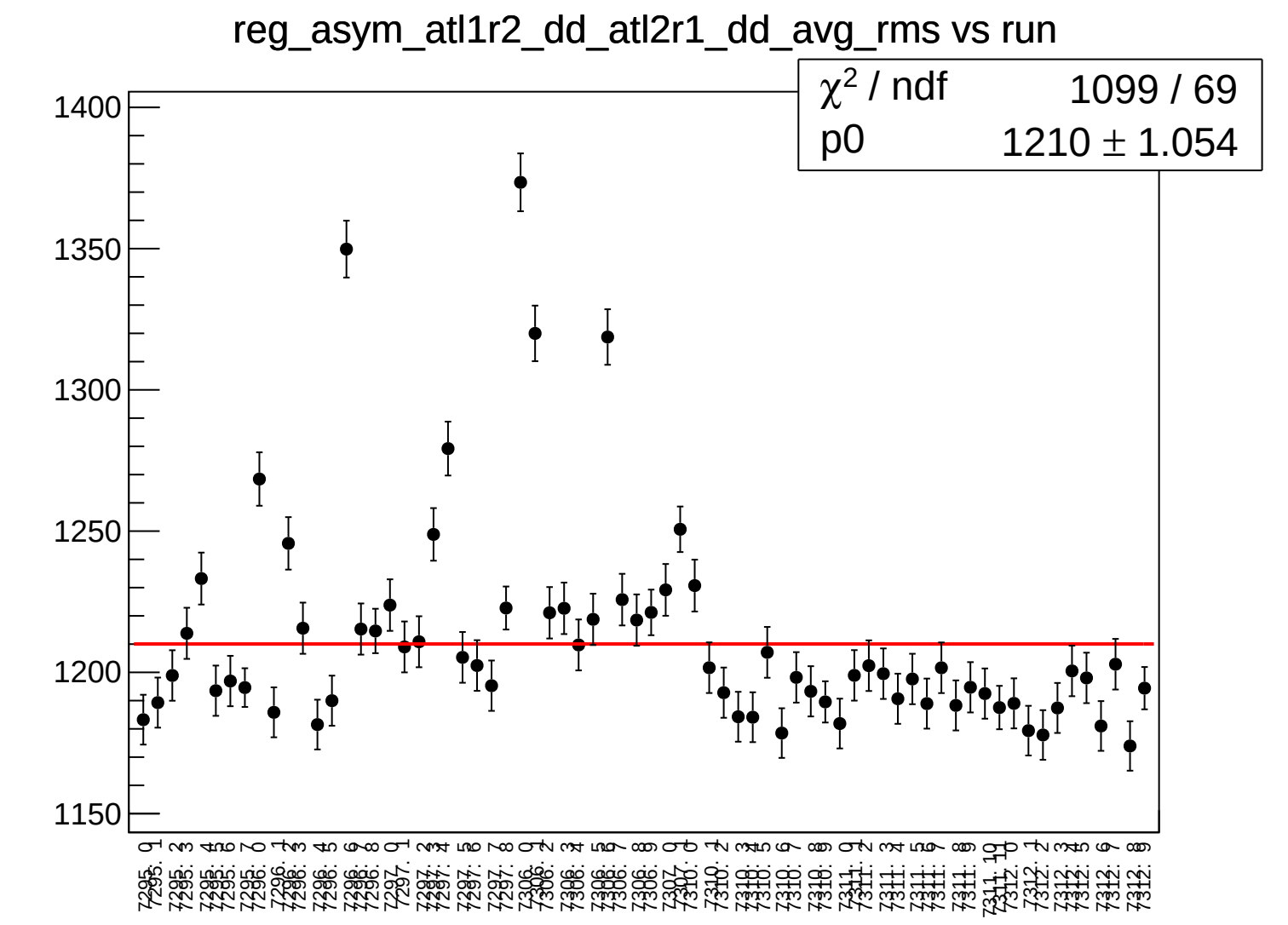

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.3 / 69
p0 −7.264e−14 ± 6.216e−14
pull
Entries 70
Mean 12.22
Std Dev 36.23

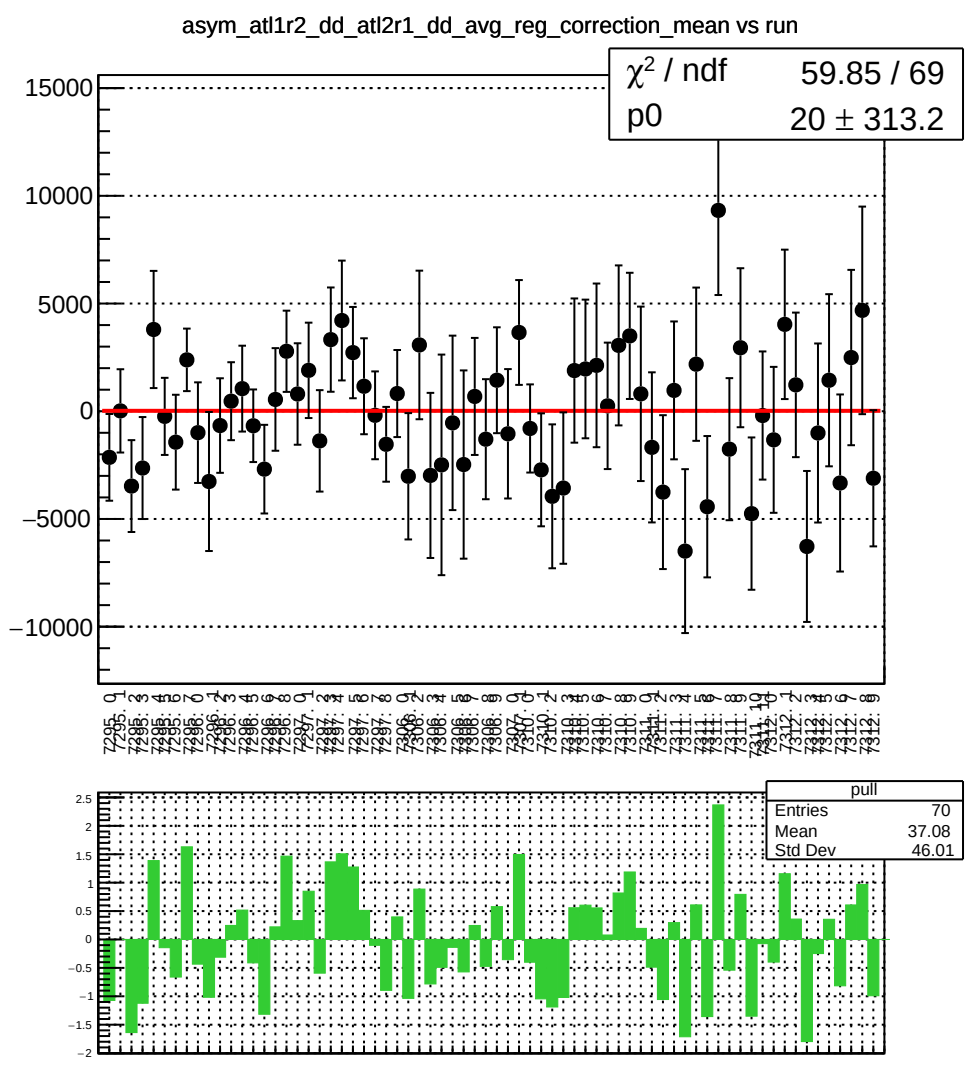

pull1D
Entries 70
Mean −0.04539
Std Dev 0.8294

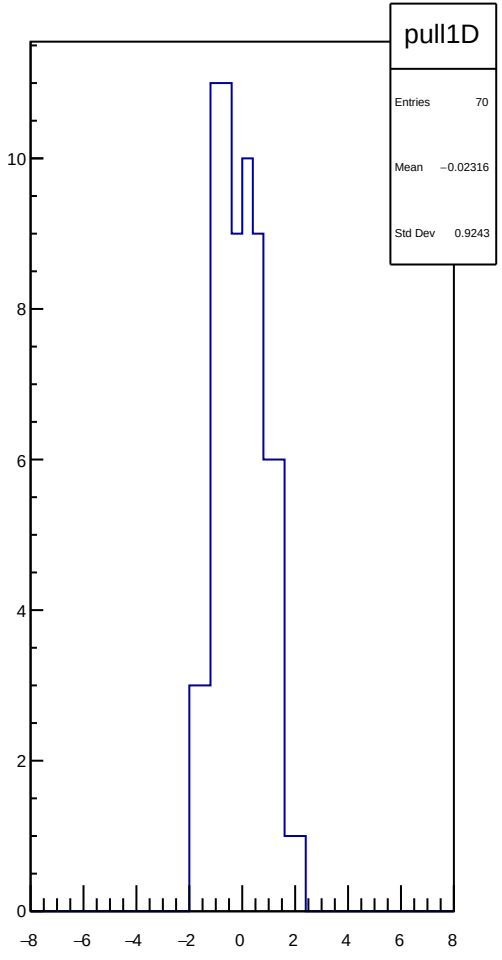

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.169e+05 / 69
p0 4.175e−11 ± 4.395e−14
0.25
0.2
0.15
0.1
0.05

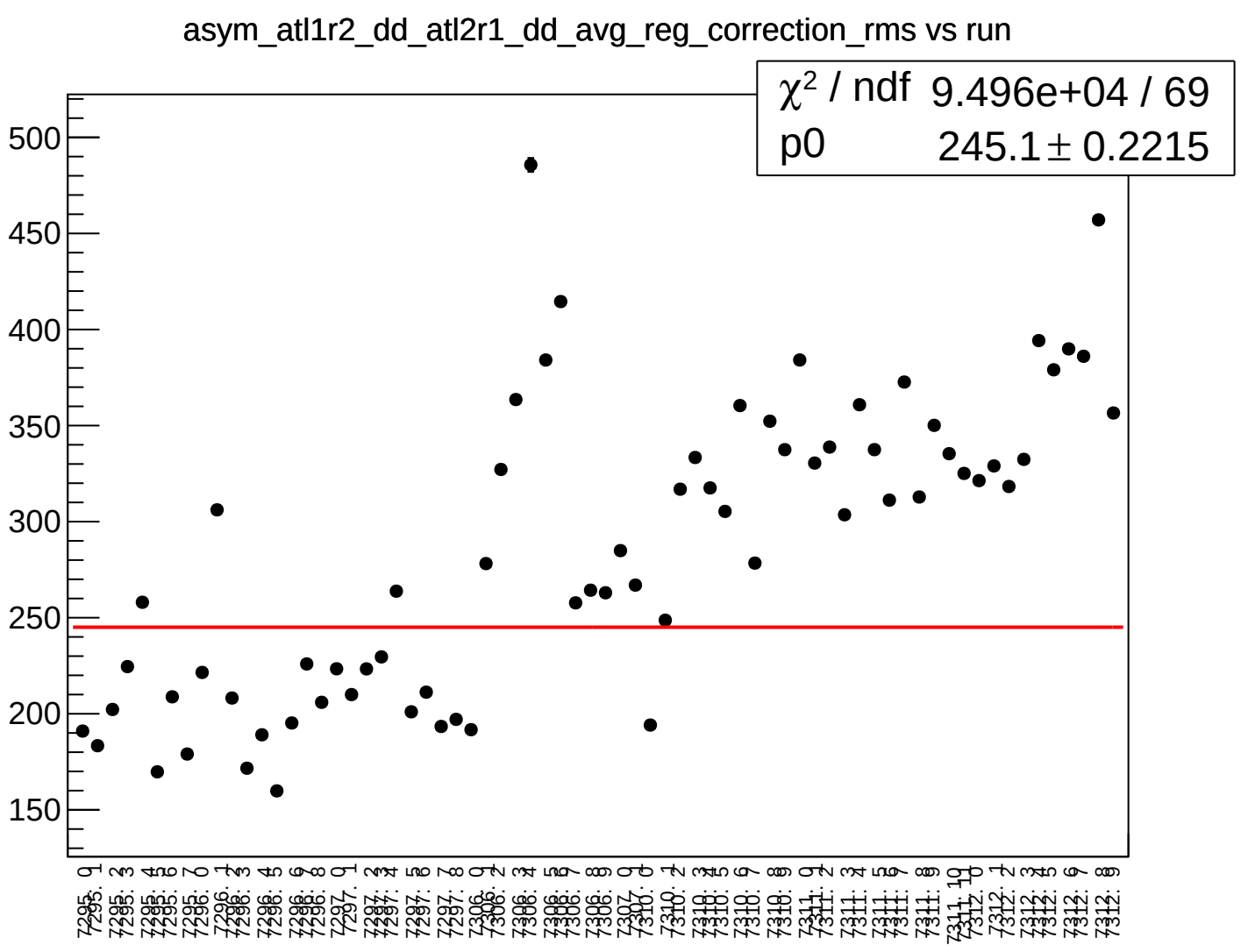

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 62.32 / 69
p0 −445.9 ± 1491
pull
Entries 70
Mean 583.3
Std Dev 0

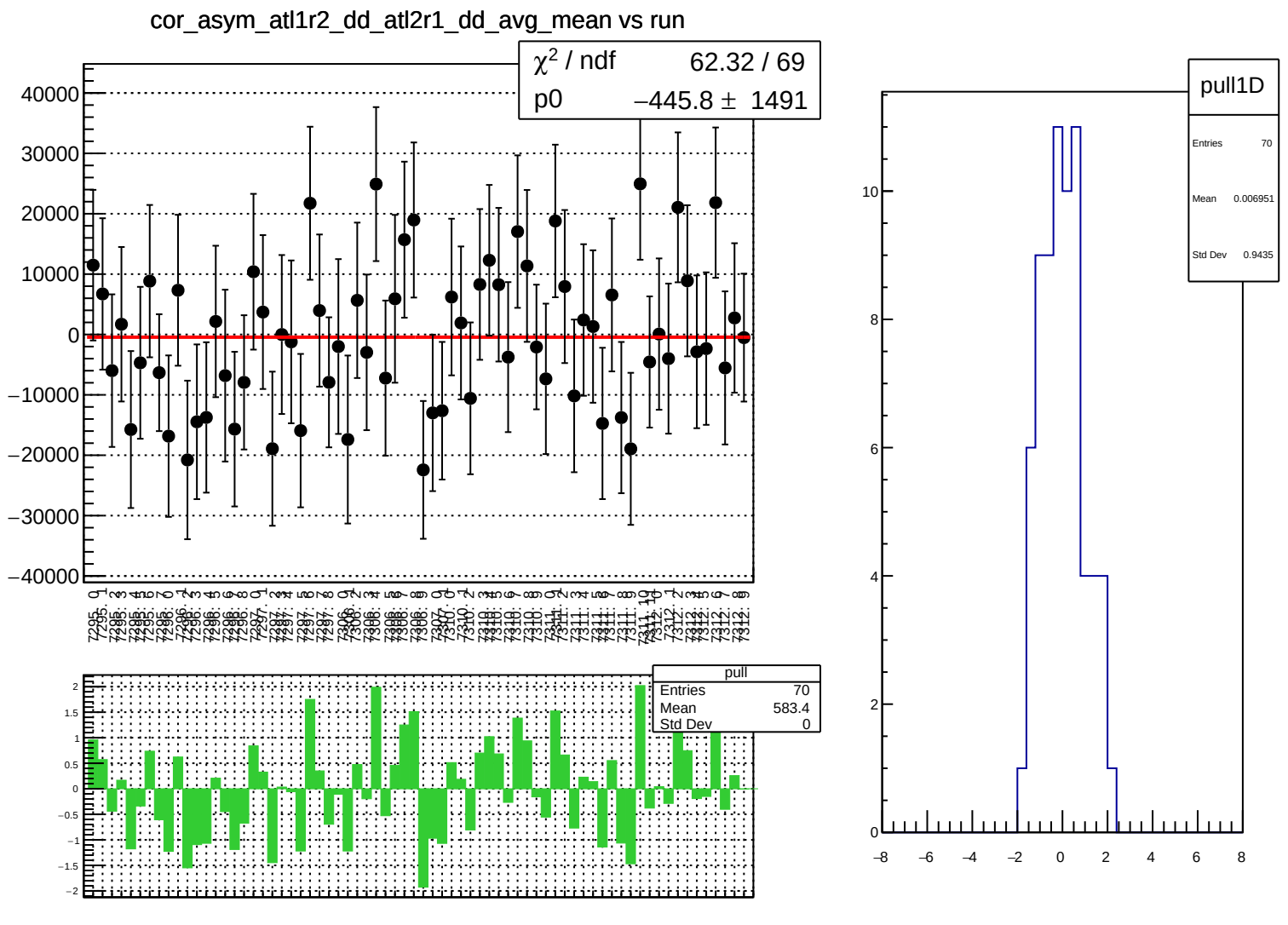

pull1D
Entries 70
Mean 0.006952
Std Dev 0.9435

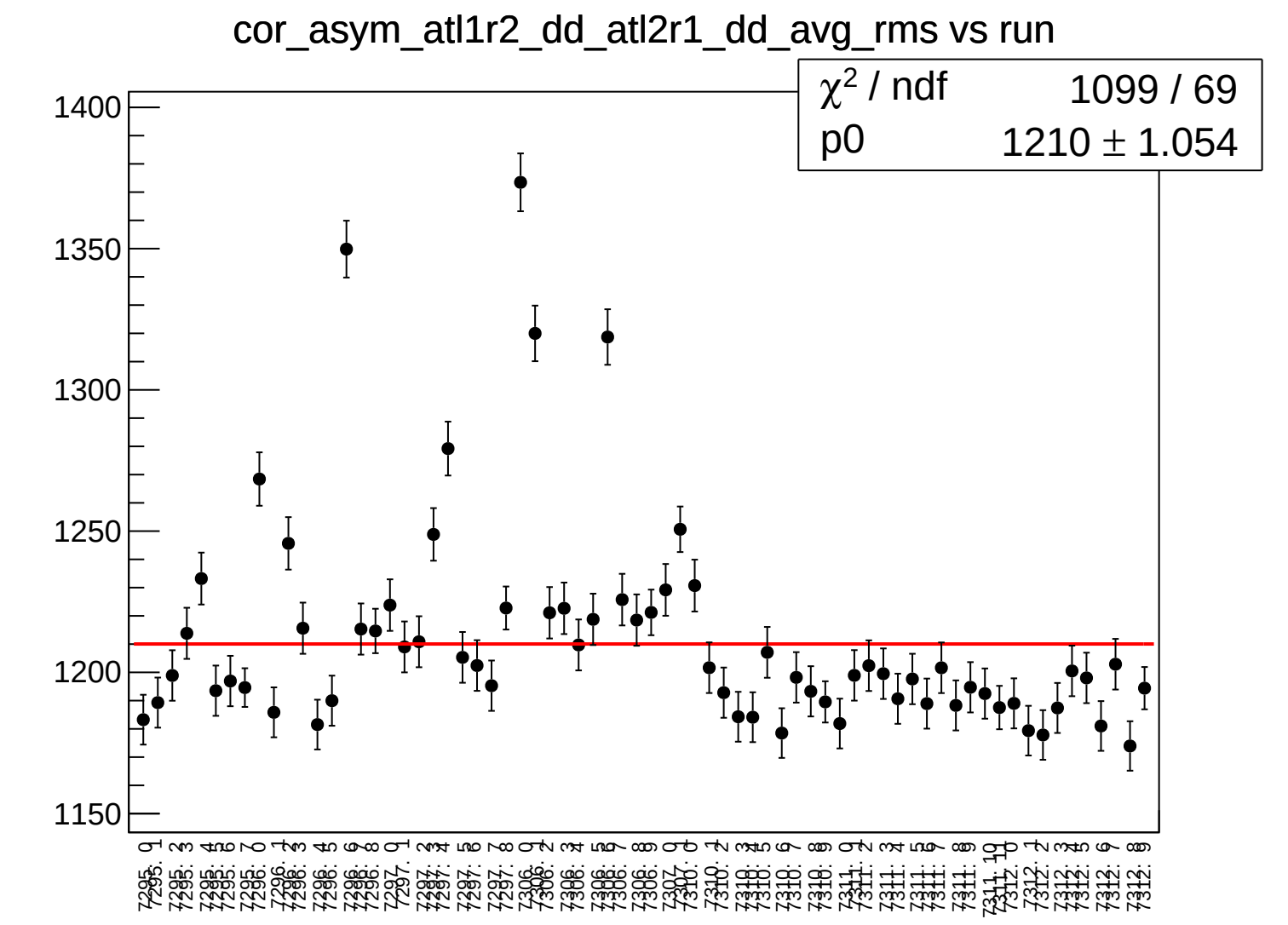

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

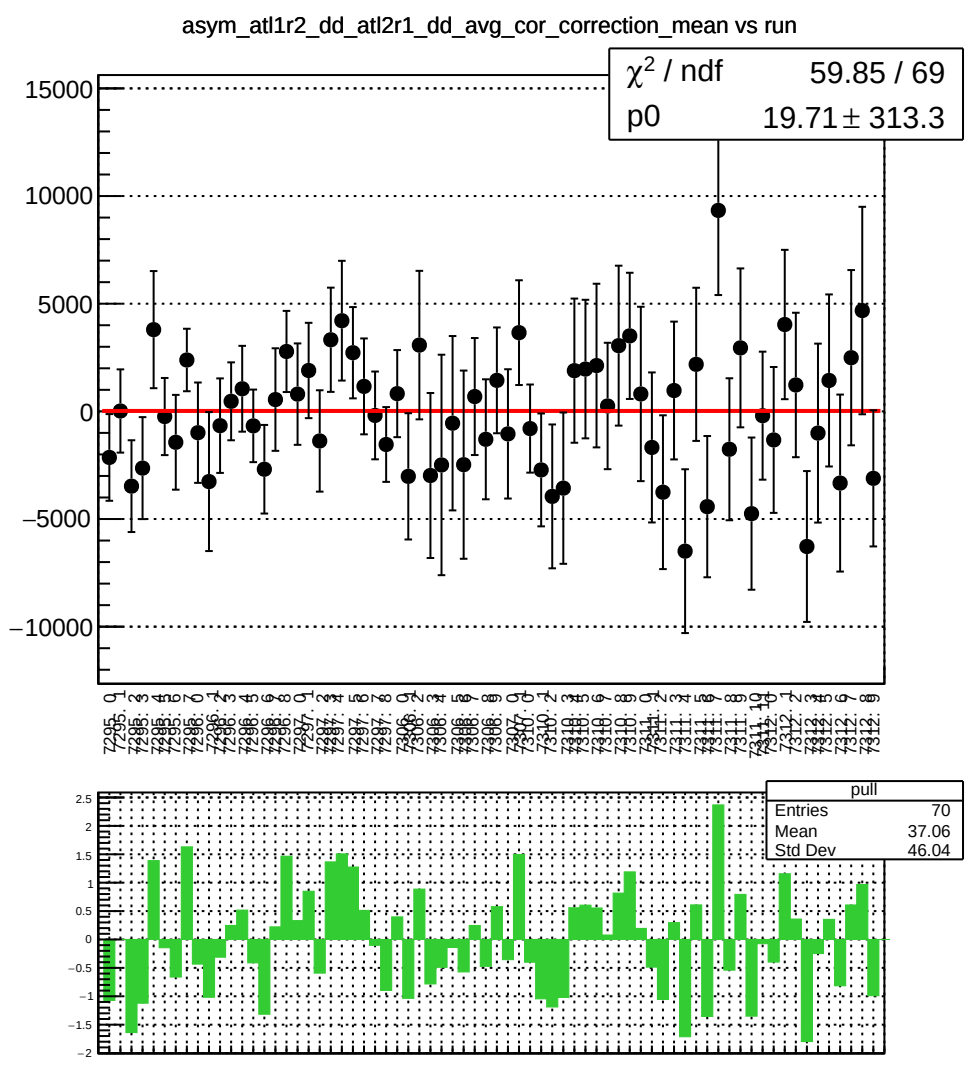

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 59.85 / 69
p0 20 ± 313.2
pull
Entries 70
Mean 37.08
Std Dev 46.01

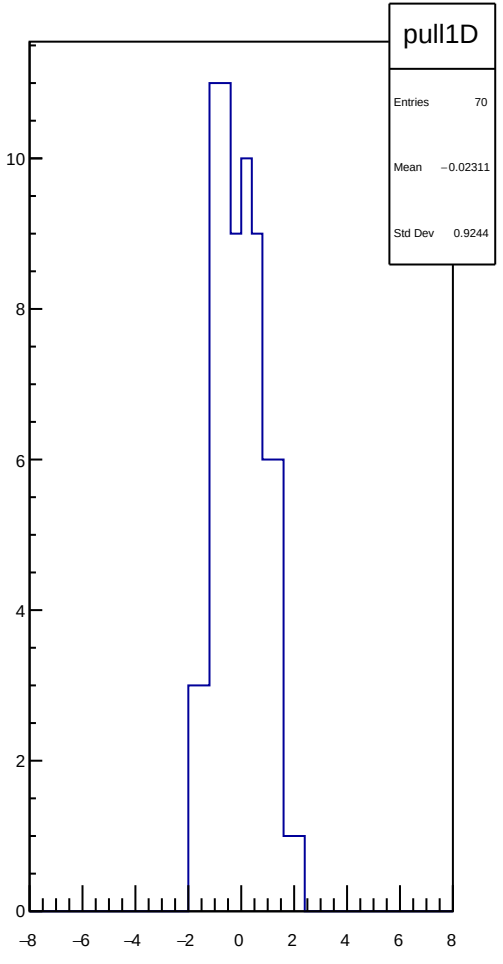

pull1D
Entries 70
Mean −0.02316
Std Dev 0.9243

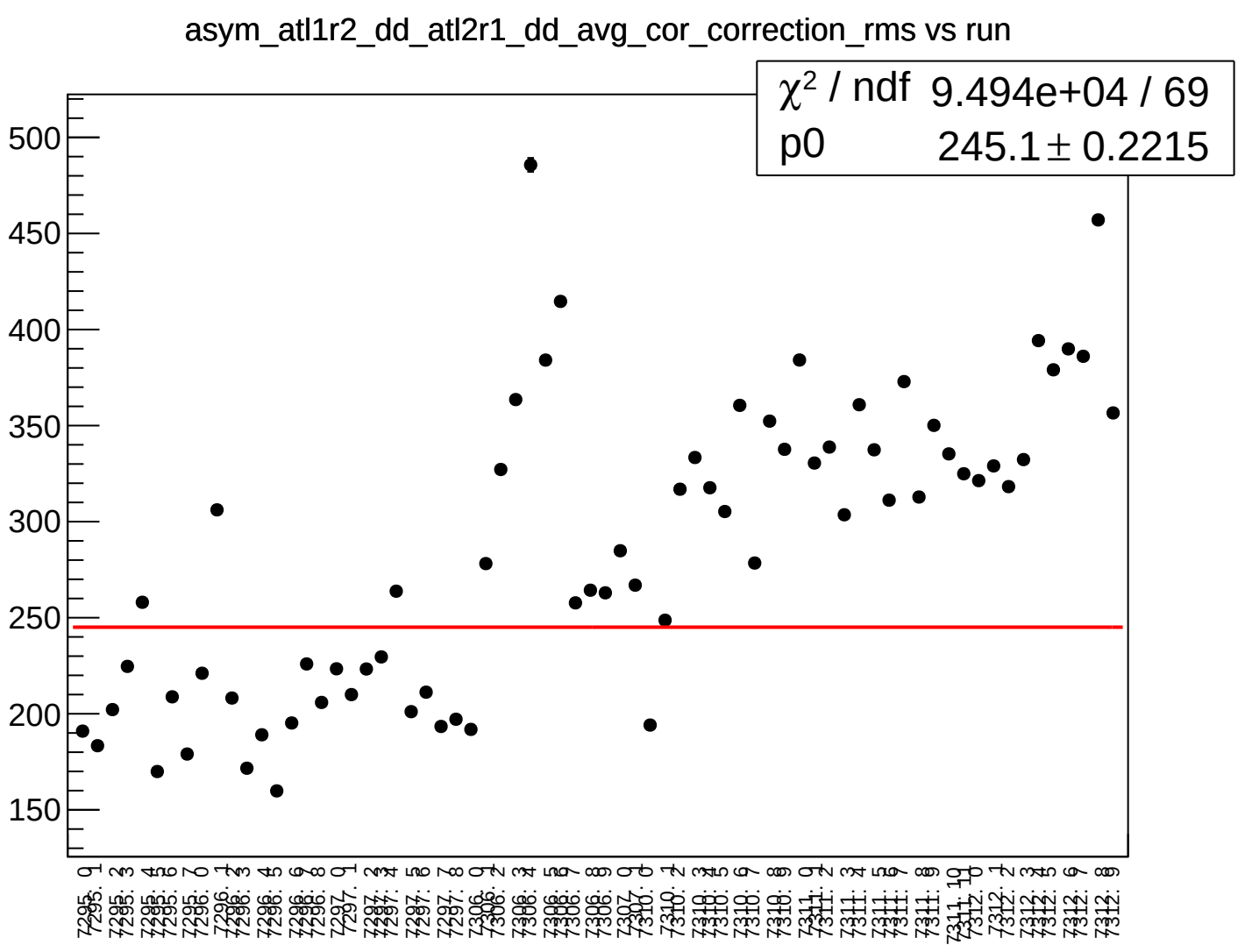

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 9.496e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

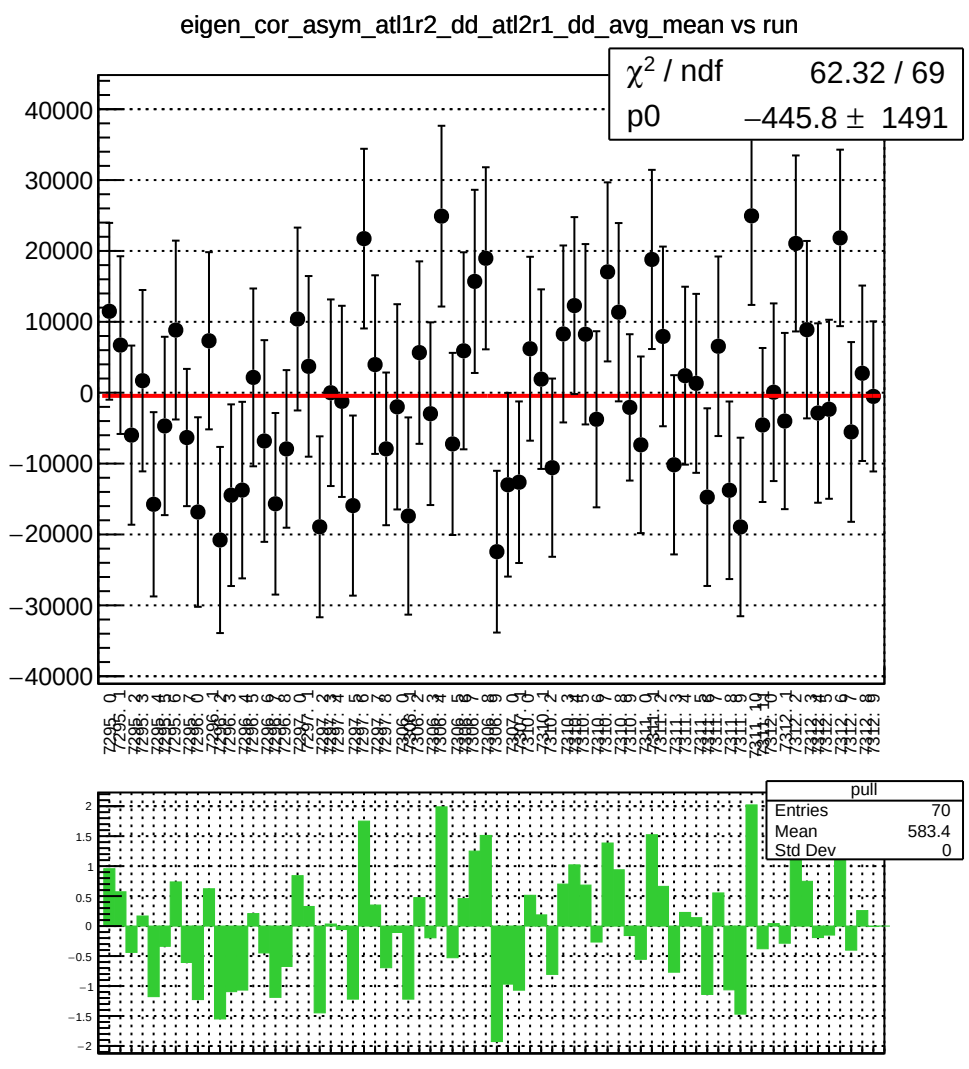

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 62.32 / 69
p0 −445.8 ± 1491
pull
Entries 70
Mean 583.4
Std Dev 0
pull1D
Entries 70
Mean 0.006951
Std Dev 0.9435

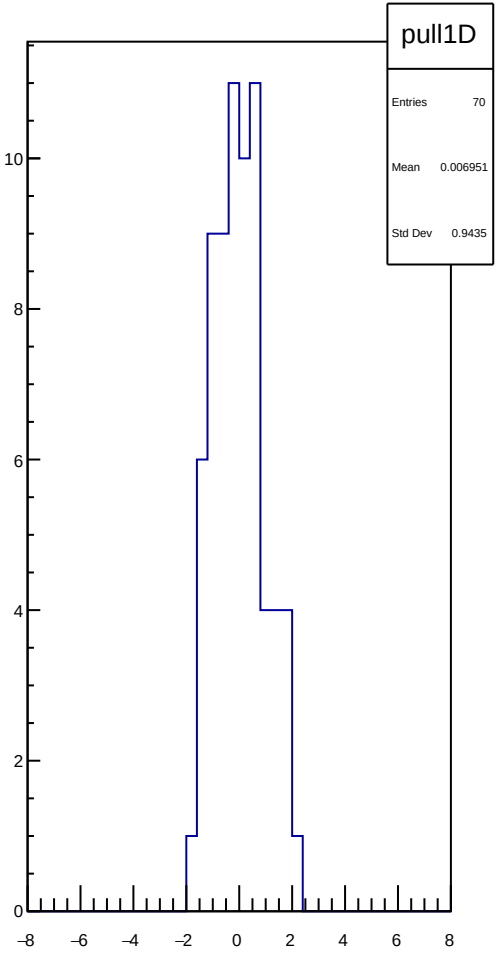

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

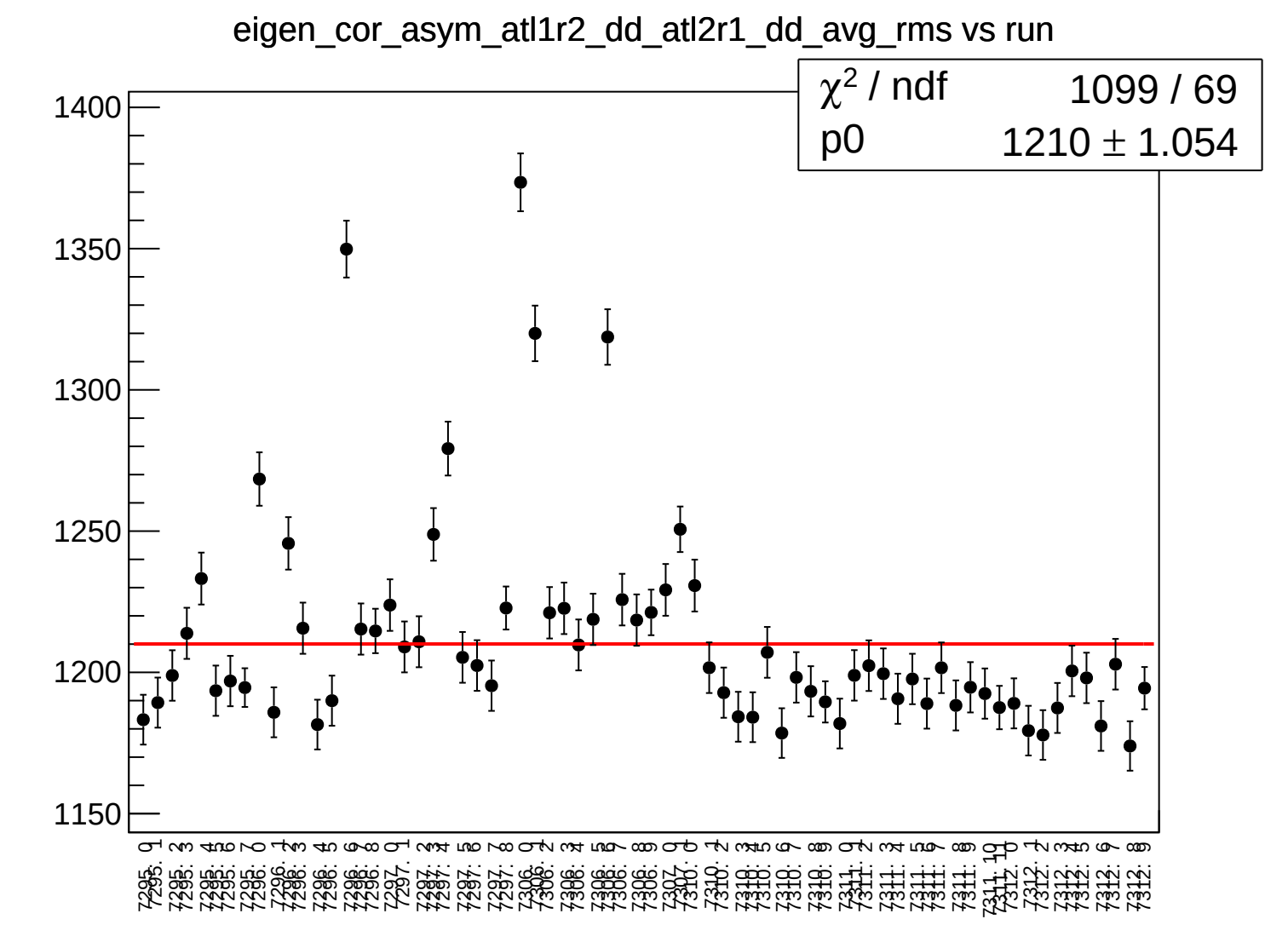

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 59.85 / 69
p0 19.71 ± 313.3
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 37.06
Std Dev 46.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

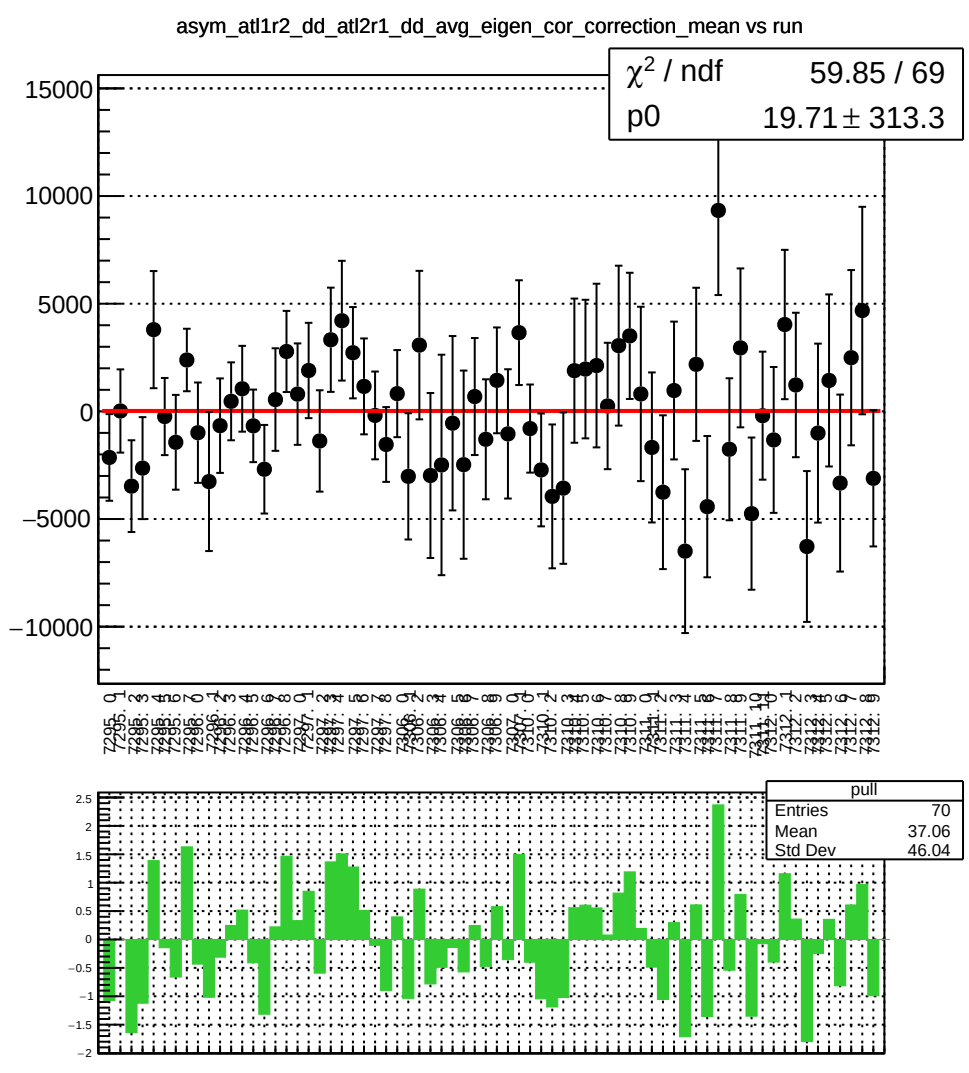

pull1D
Entries 70
Mean −0.02311
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

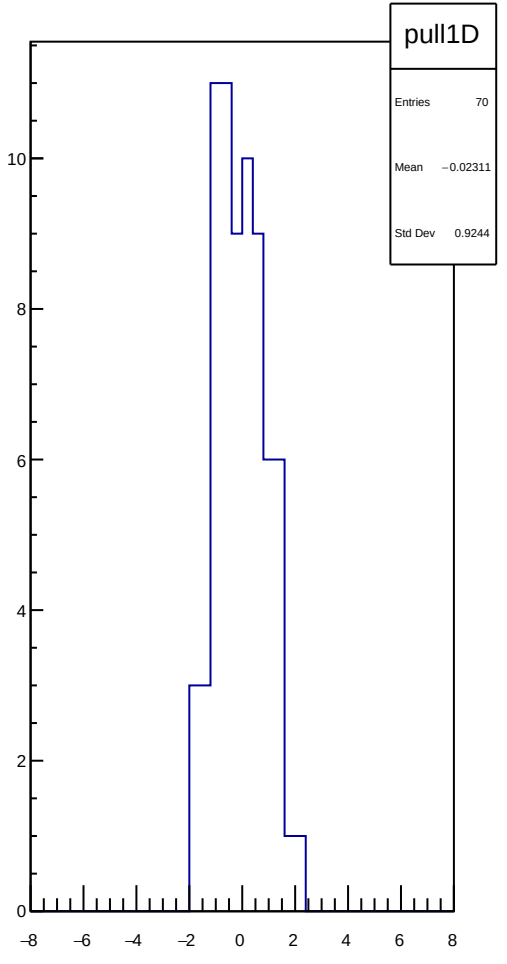

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 9.494e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

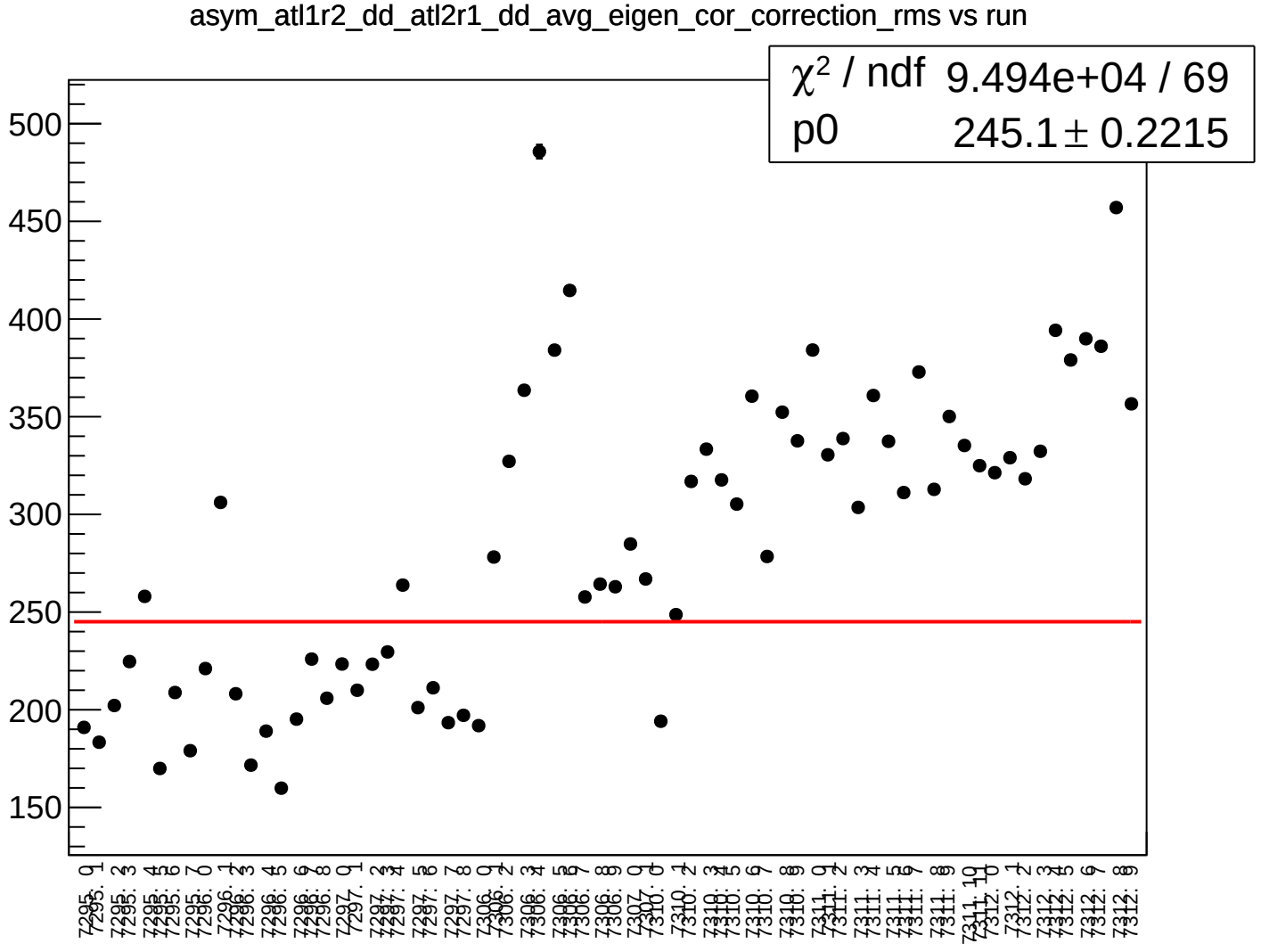

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 62.32 / 69
p0 −445.8 ± 1491
pull
Entries 70
Mean 583.4
Std Dev 0

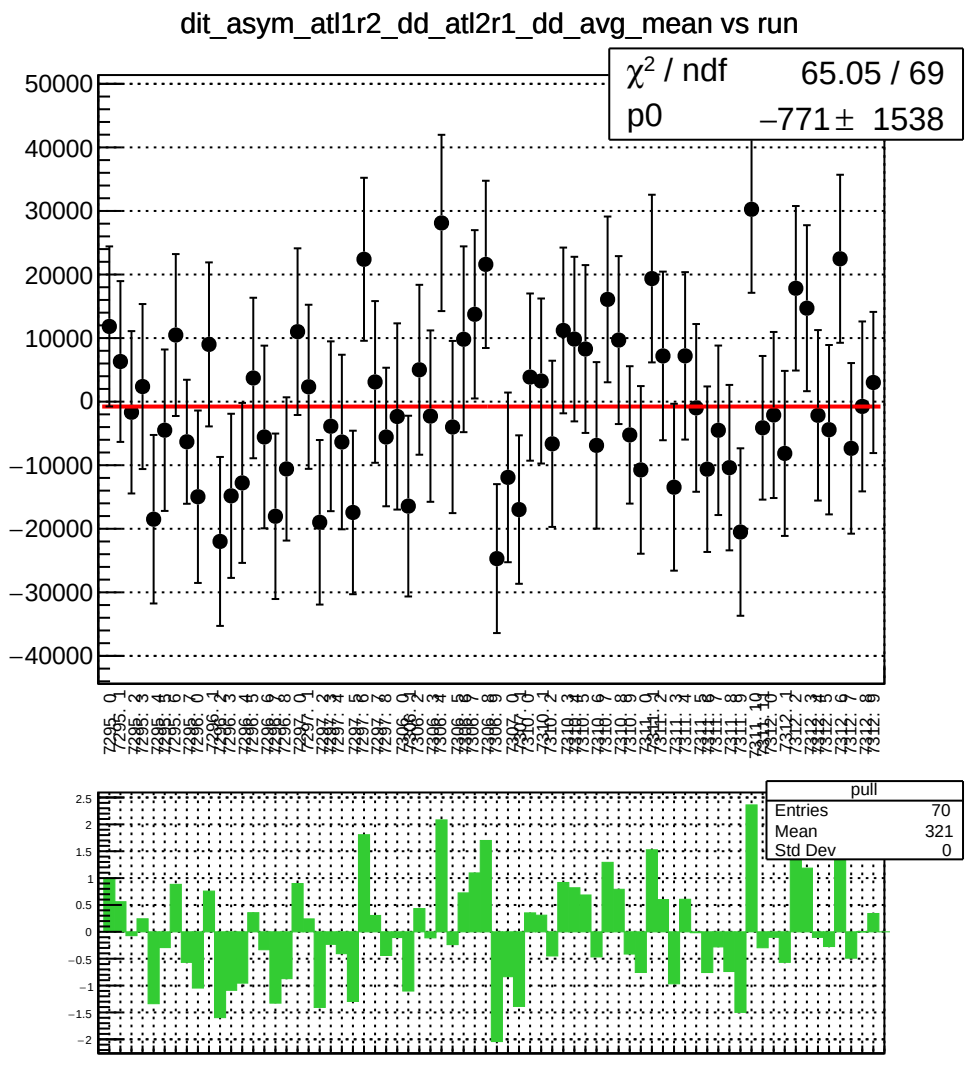

pull1D
Entries 70
Mean 0.006951
Std Dev 0.9435

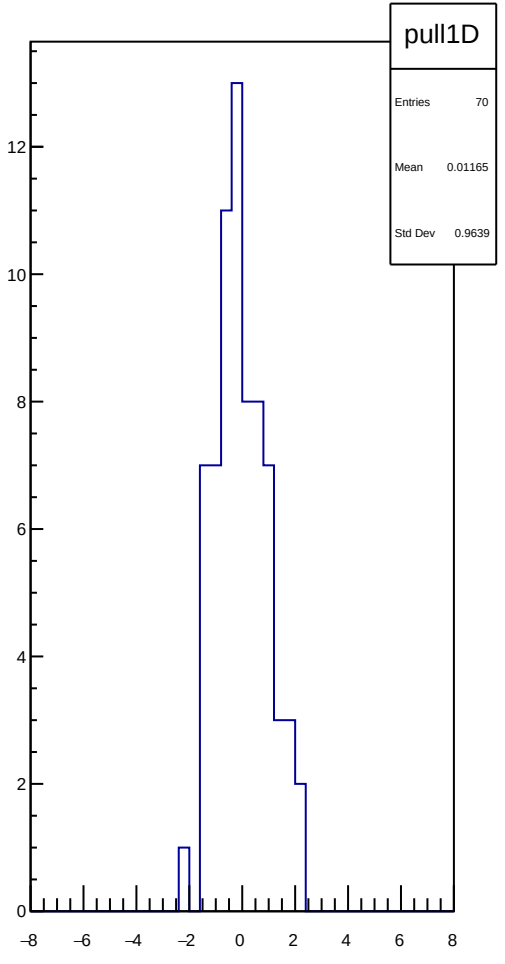

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1099 / 69
p0 1210 ± 1.054
1400
1350
1300
1250
1200
1150

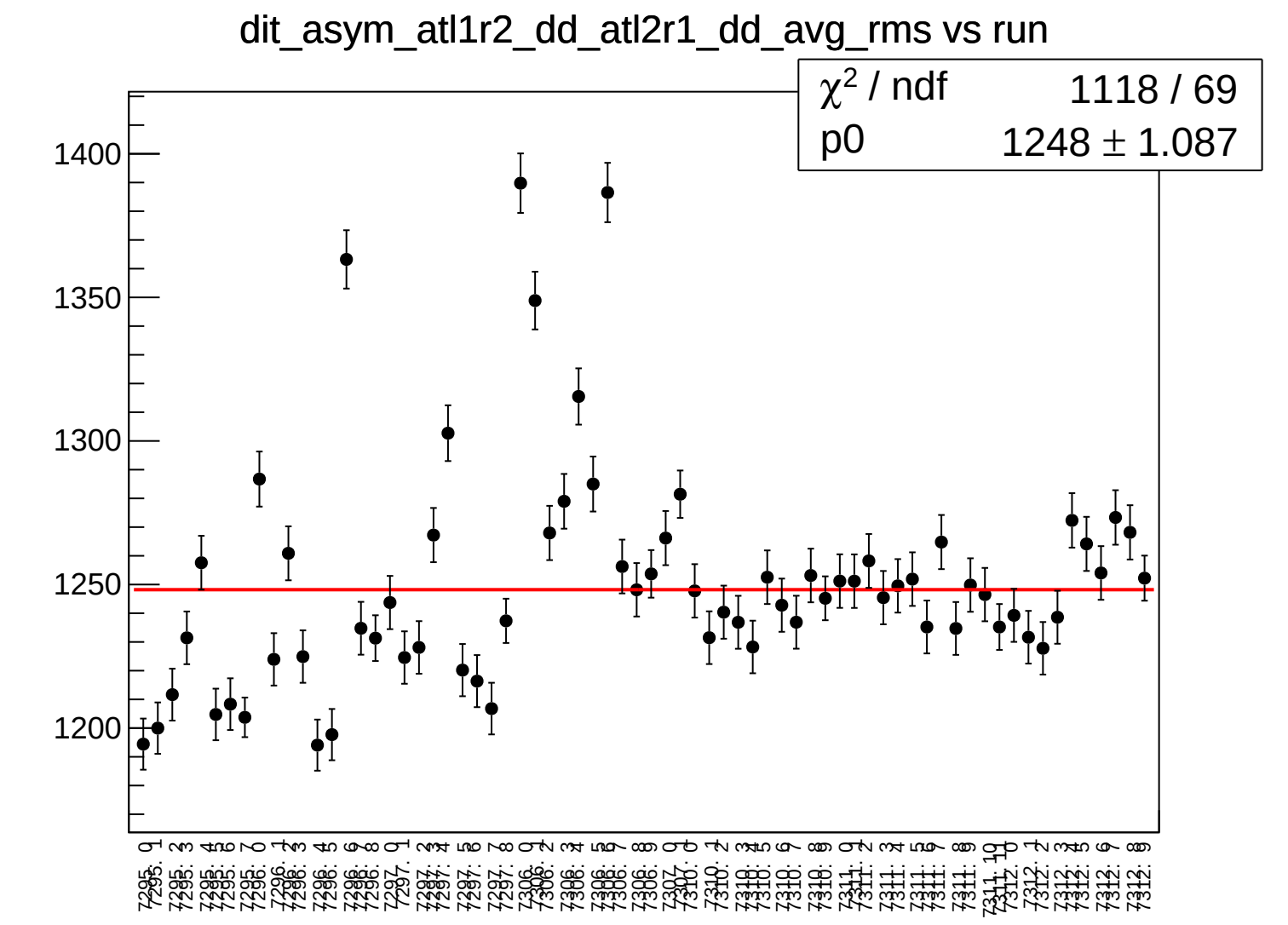

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.85 / 69
p0 19.71 ± 313.3
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 37.06
Std Dev 46.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

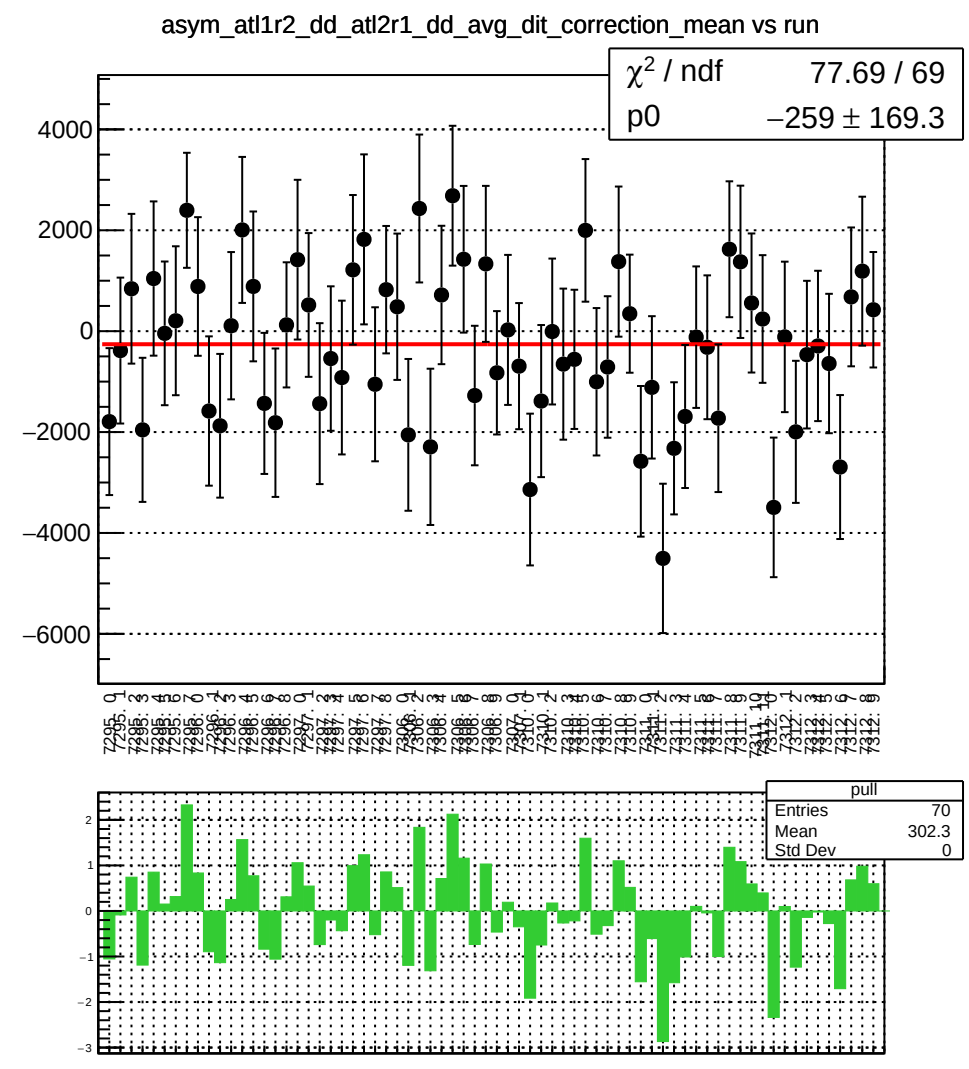

pull1D
Entries 70
Mean −0.02311
Std Dev 0.9244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

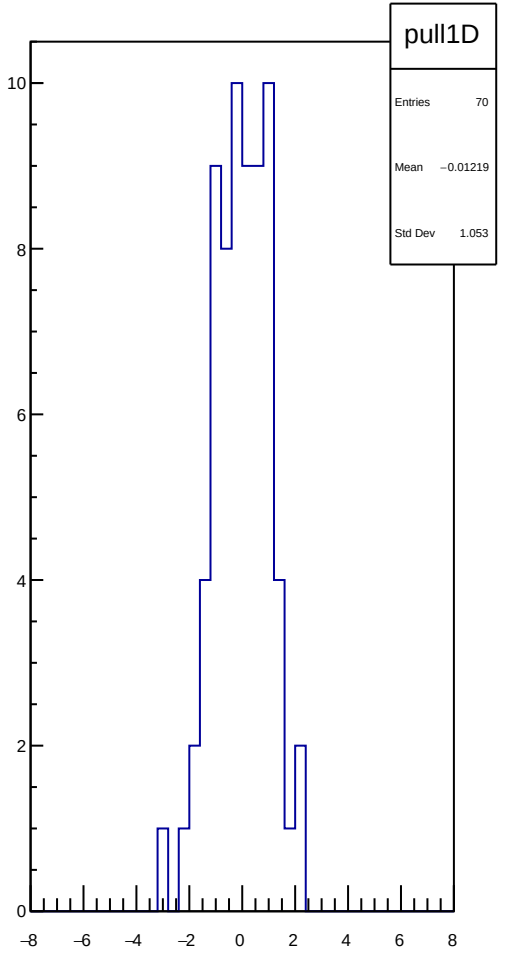

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 9.494e+04 / 69
p0 245.1 ± 0.2215
500
450
400
350
300
250
200
150

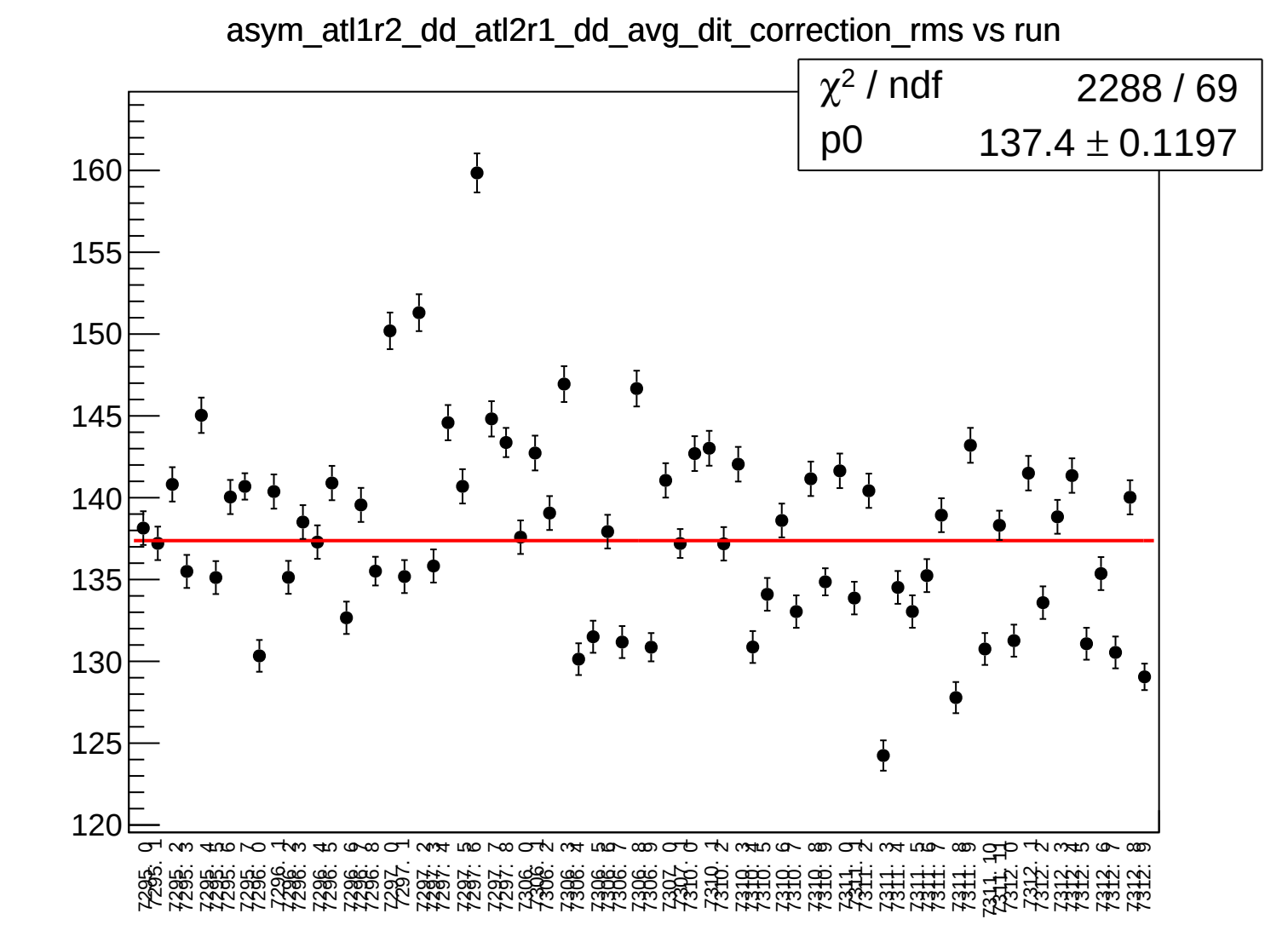

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 65.05 / 69
p0 −771 ± 1538
pull
Entries 70
Mean 321
Std Dev 0

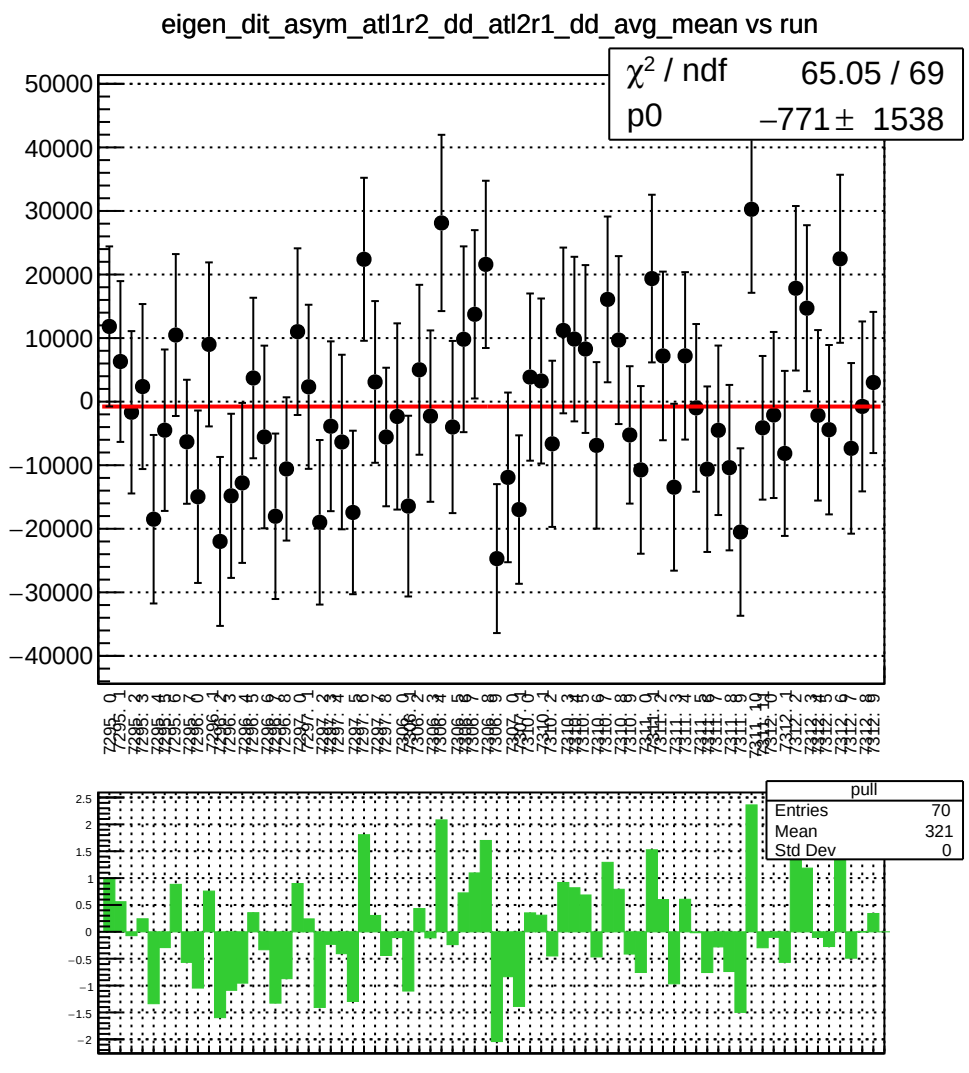

pull1D
Entries 70
Mean 0.01165
Std Dev 0.9639

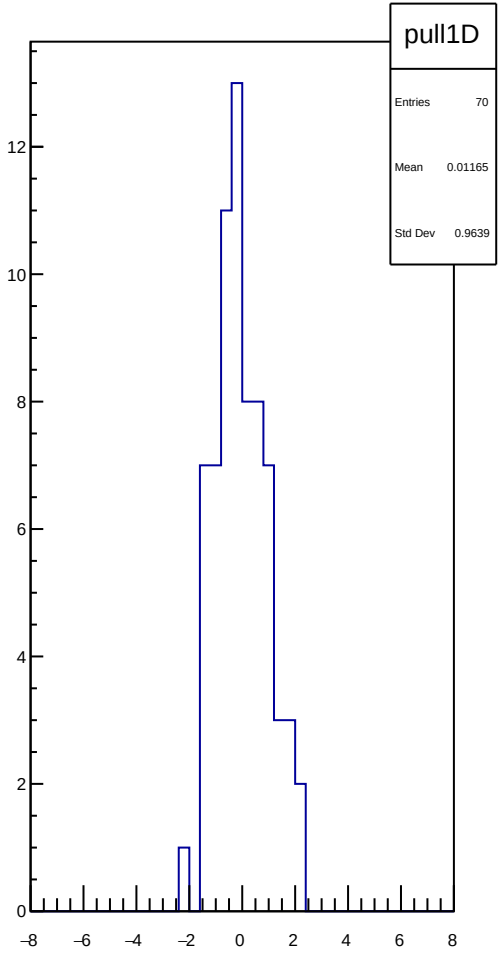

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 1118 / 69
p0 1248 ± 1.087
1400
1350
1300
1250
1200

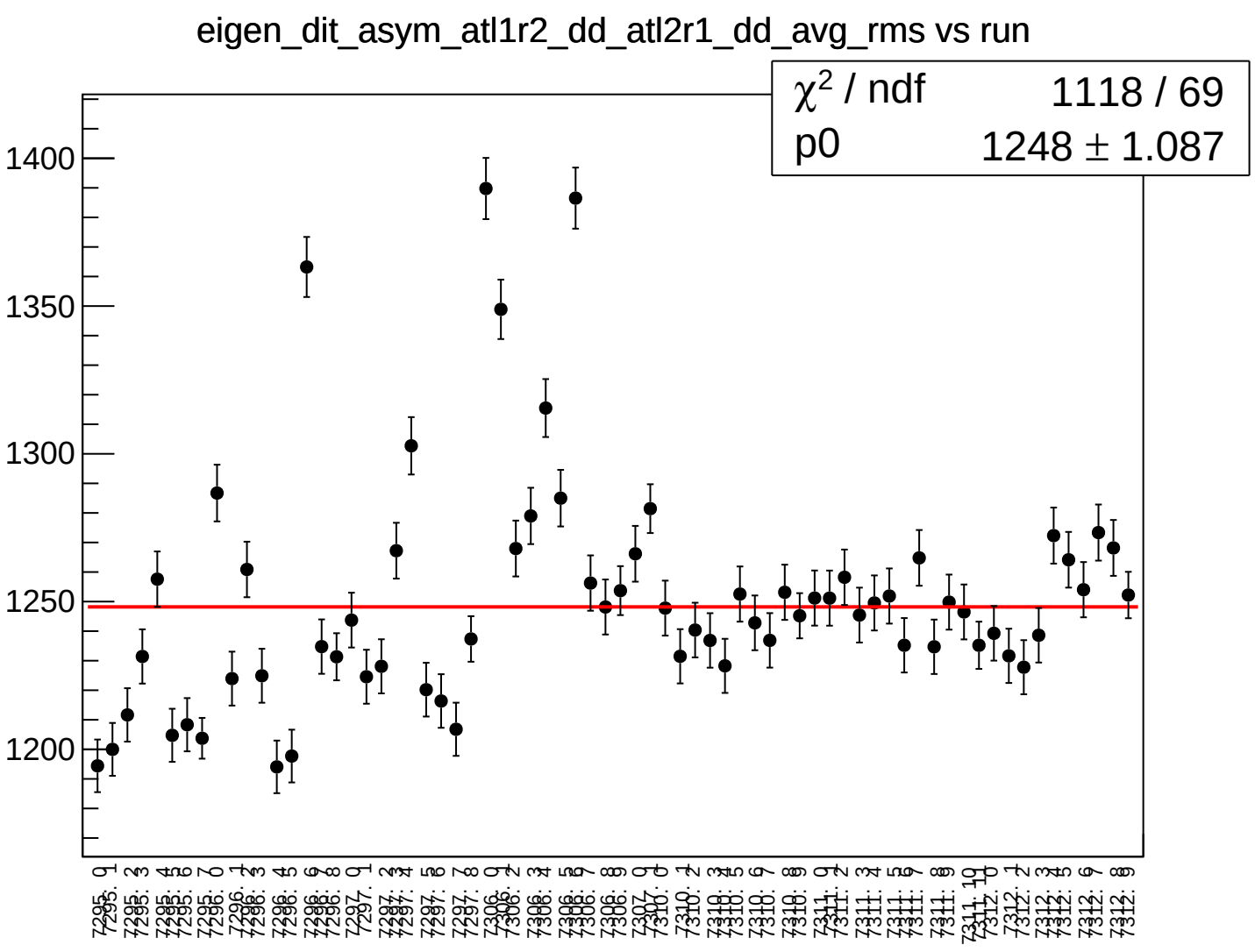

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 77.69 / 69
p0 −259 ± 169.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 302.3
Std Dev 0
2
1
0
−1
−2
−3

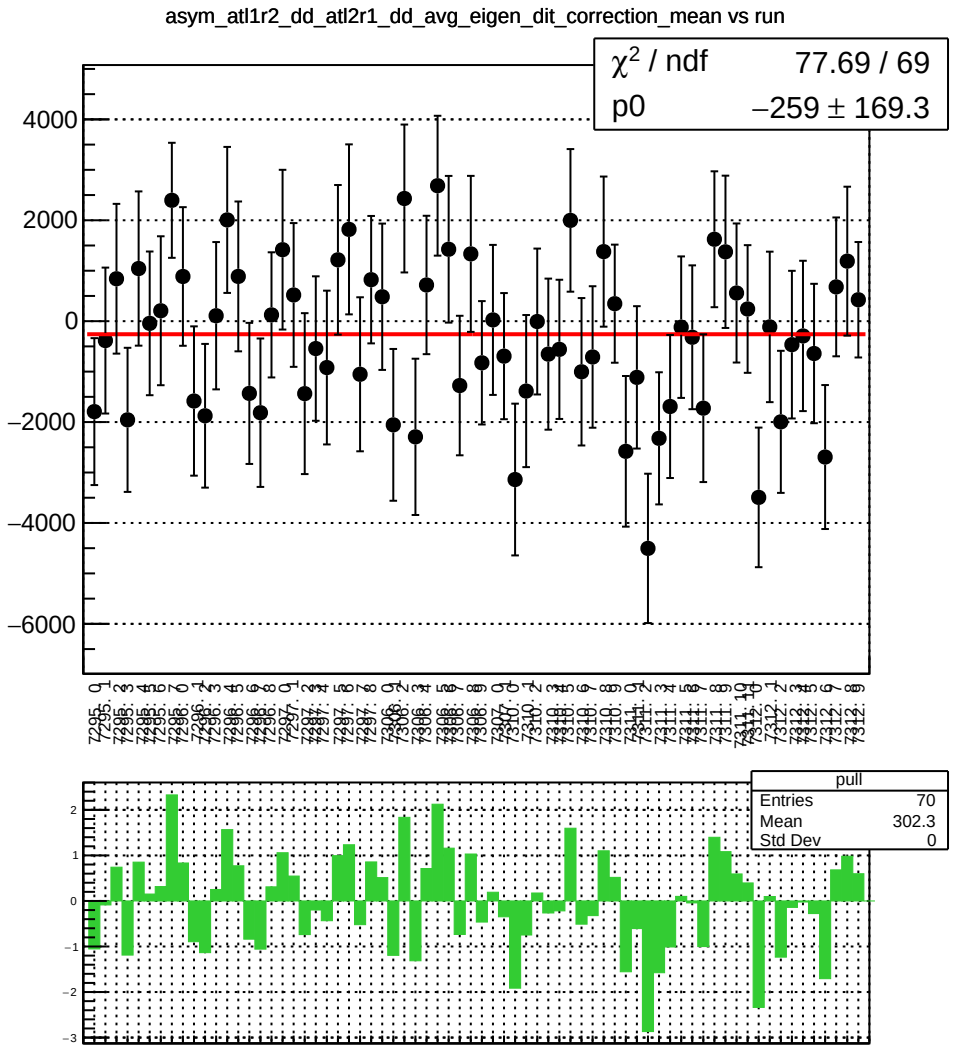

pull1D
Entries 70
Mean −0.01219
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

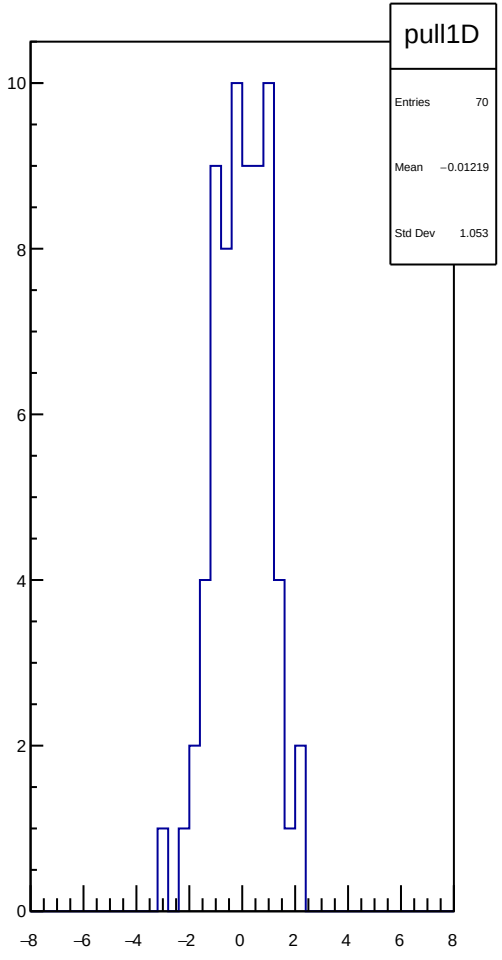

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 2288 / 69
p0 137.4 ± 0.1197
160
155
150
145
140
135
130
125
120

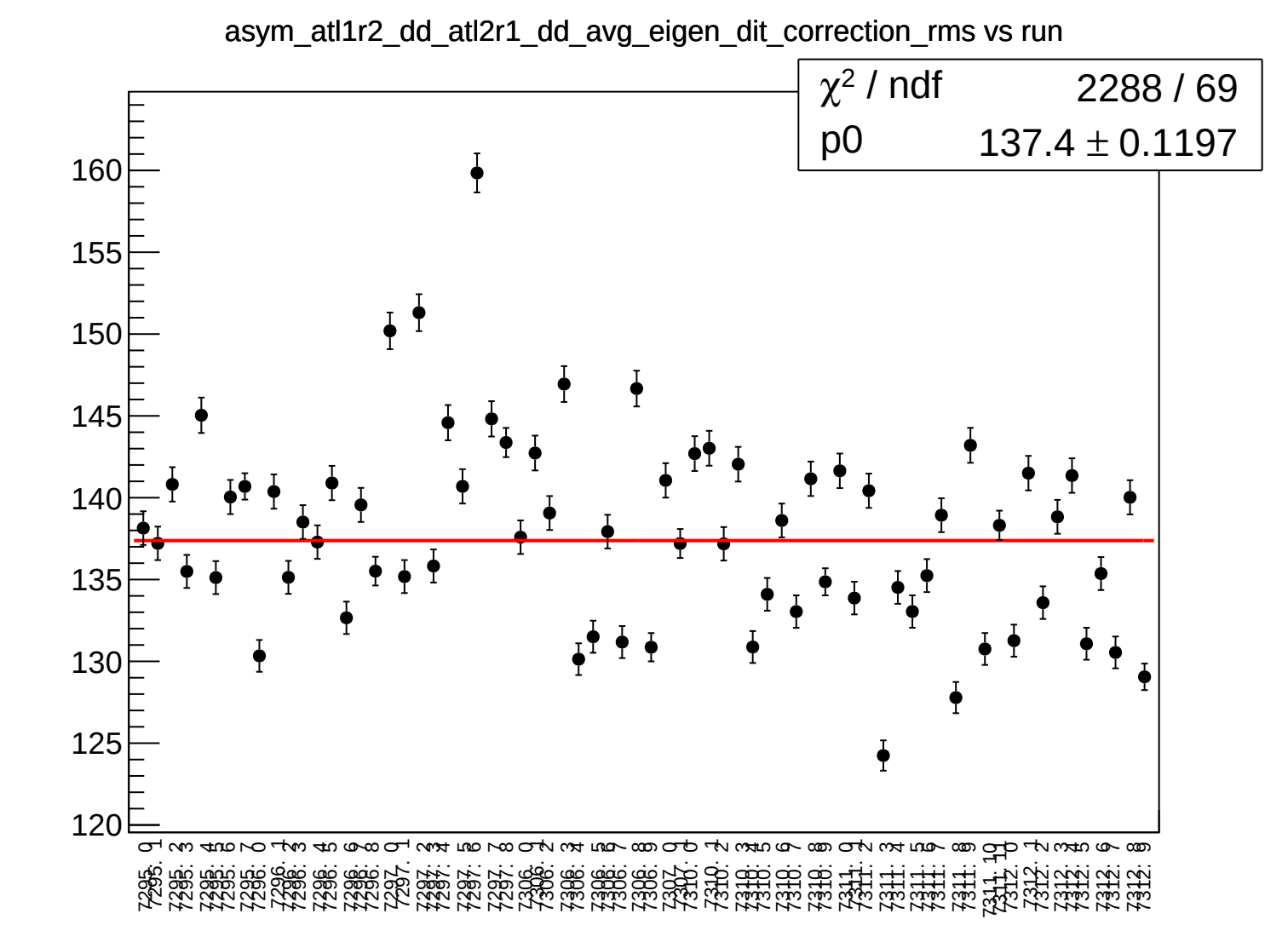

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 65.05 / 69
p0 −771 ± 1538
pull
Entries 70
Mean 321
Std Dev 0

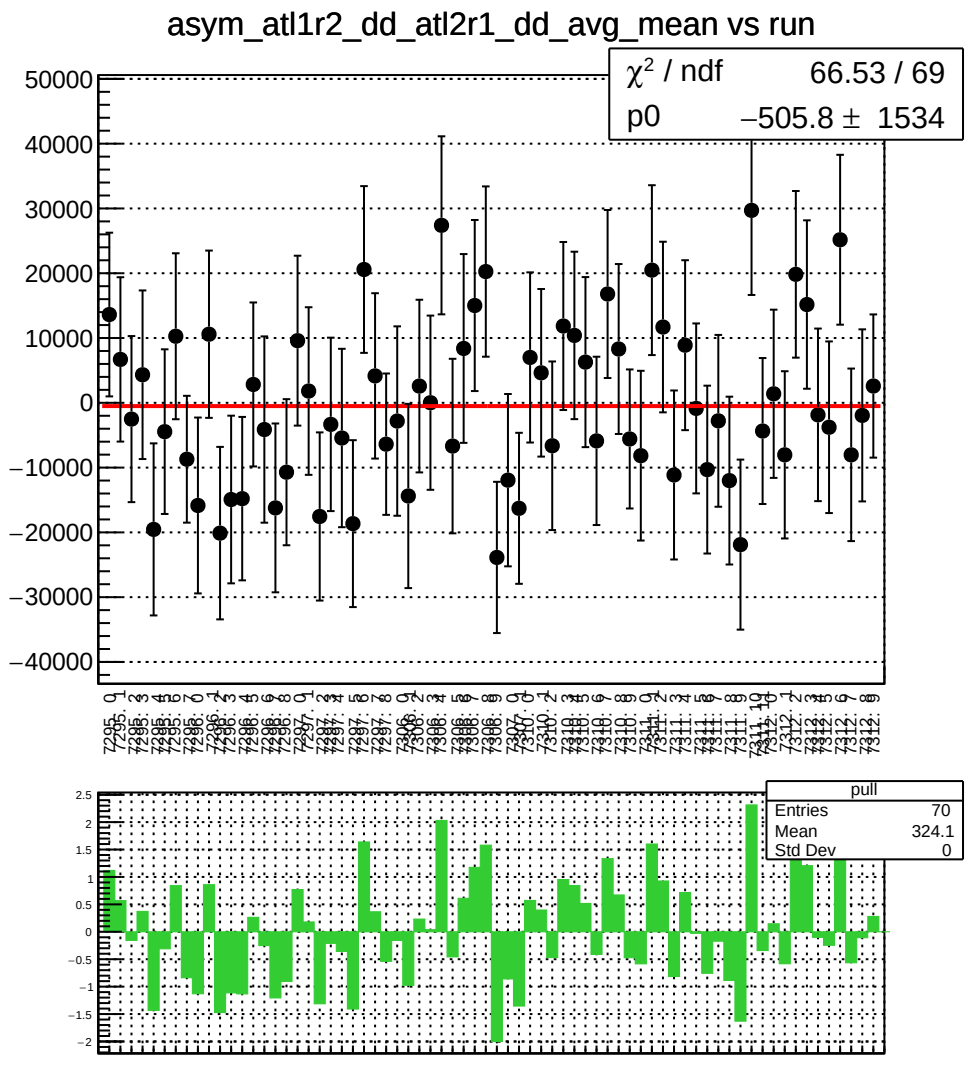

pull1D
Entries 70
Mean 0.01165
Std Dev 0.9639

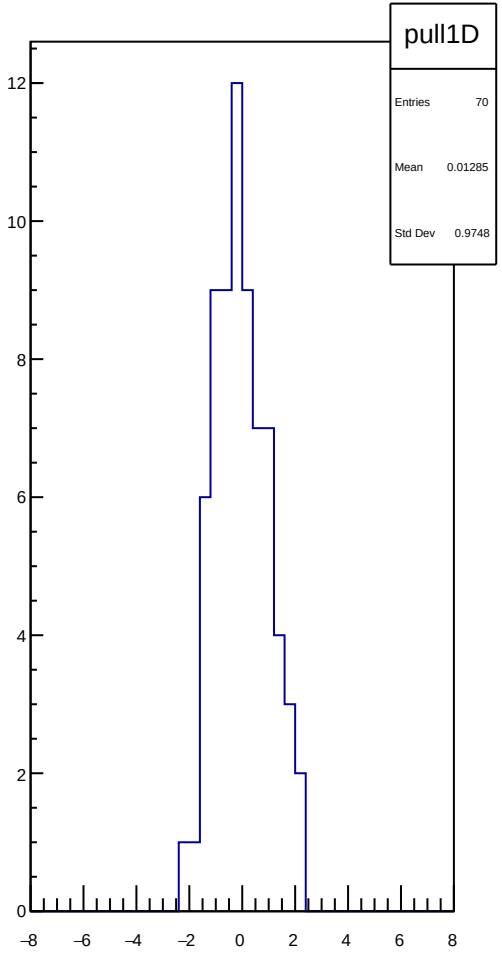

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1118 / 69
p0 1248 ± 1.087
1400
1350
1300
1250
1200

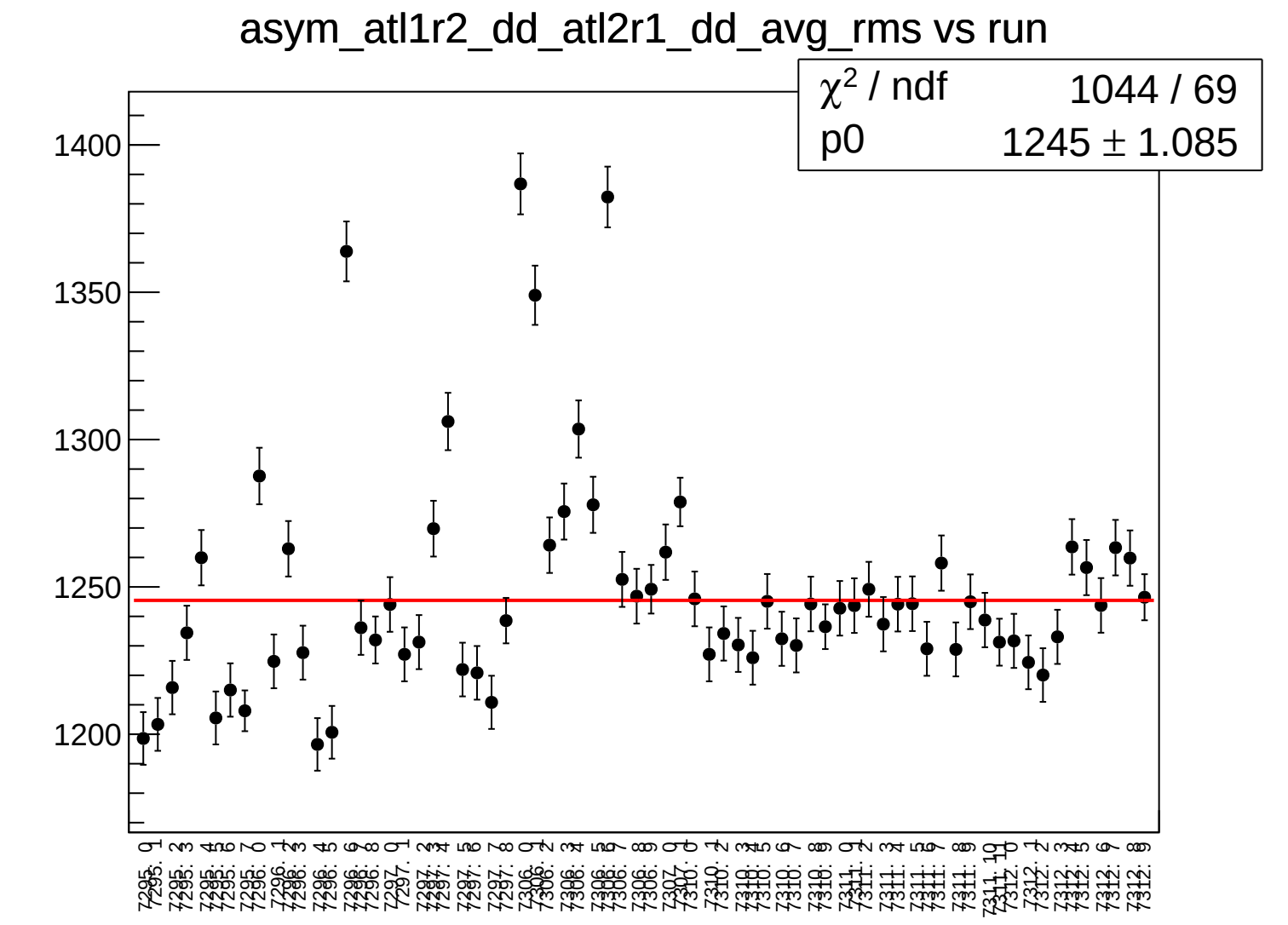

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 77.69 / 69
p0 −259 ± 169.3
pull
Entries 70
Mean 302.3
Std Dev 0

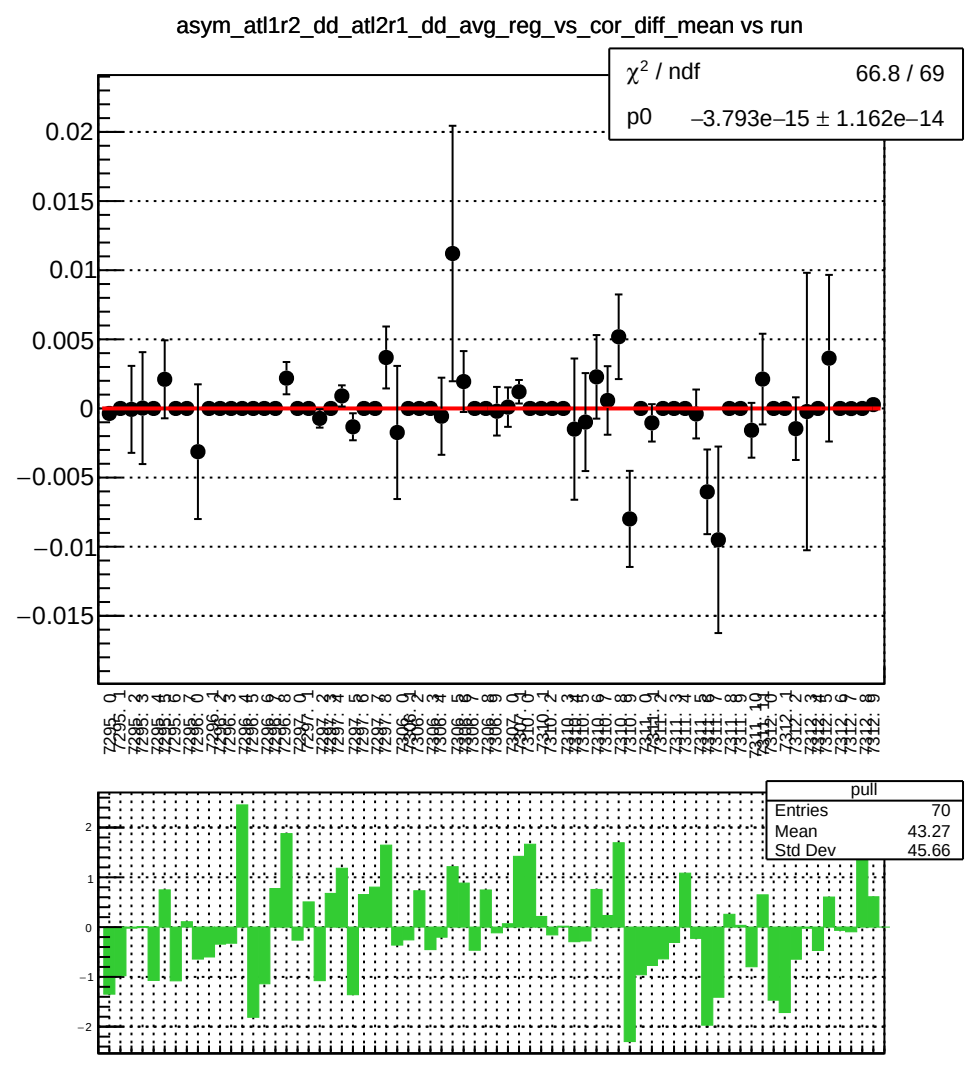

pull1D
Entries 70
Mean −0.01219
Std Dev 1.053

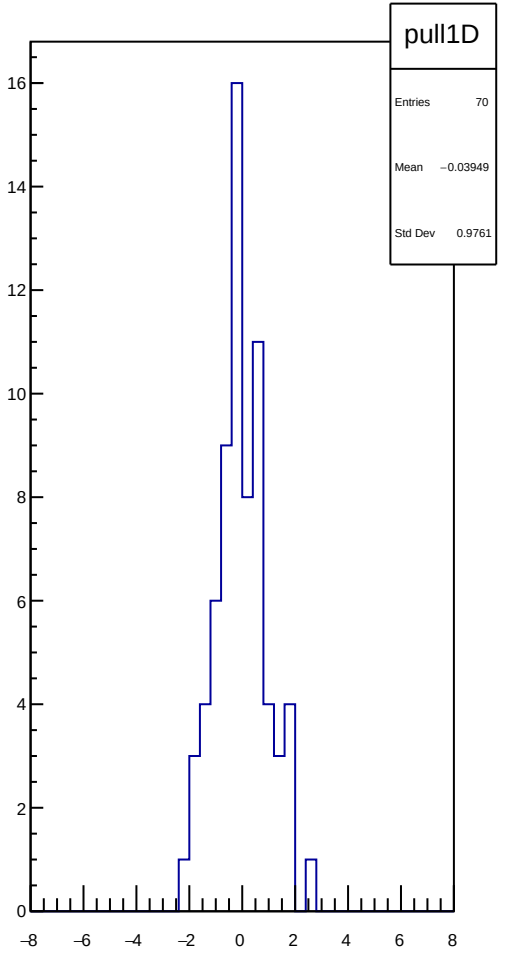

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2288 / 69
p0 137.4 ± 0.1197
160
155
150
145
140
135
130
125
120

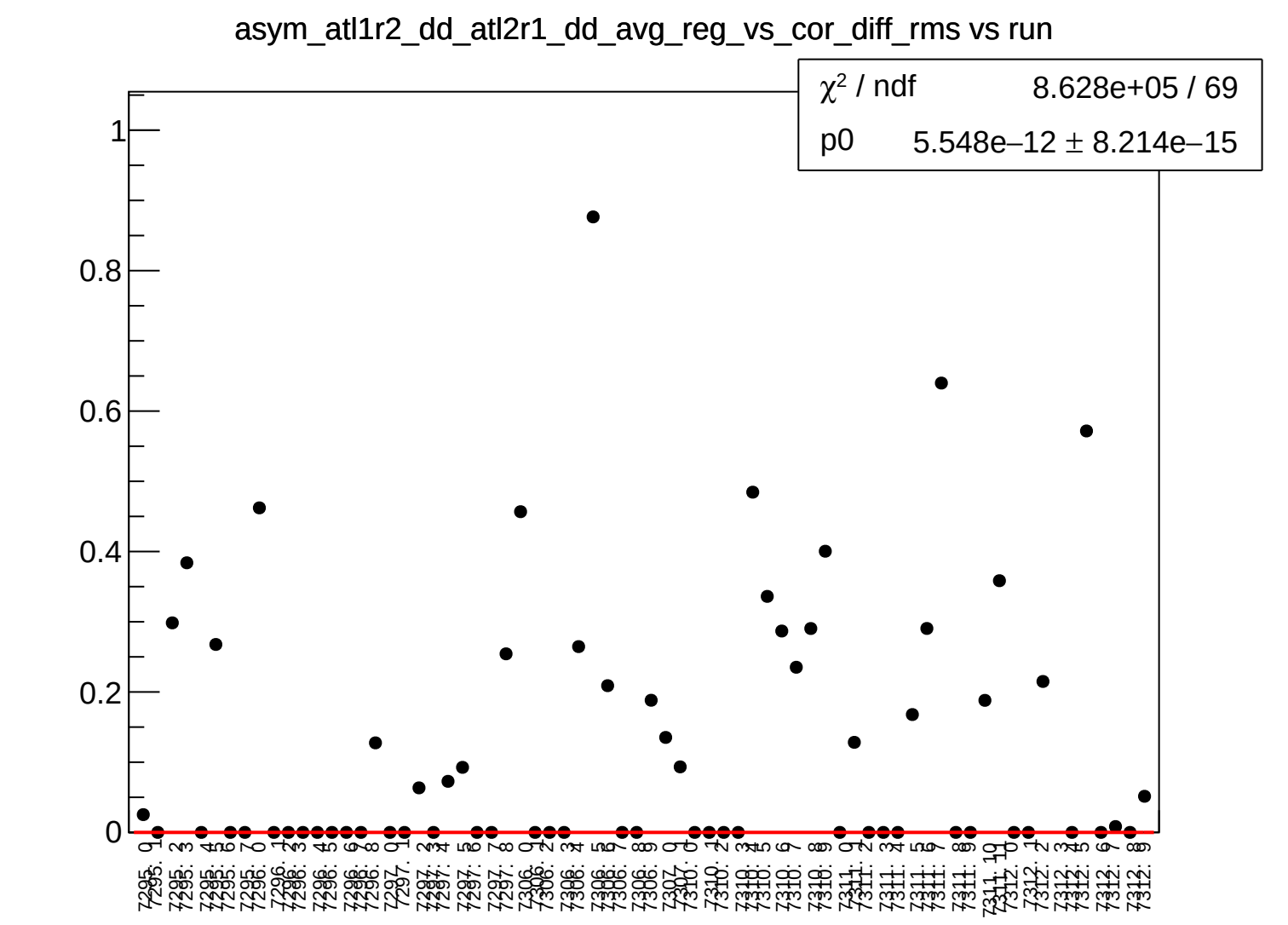

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 66.53 / 69
p0 −505.8 ± 1534
pull
Entries 70
Mean 324.1
Std Dev 0

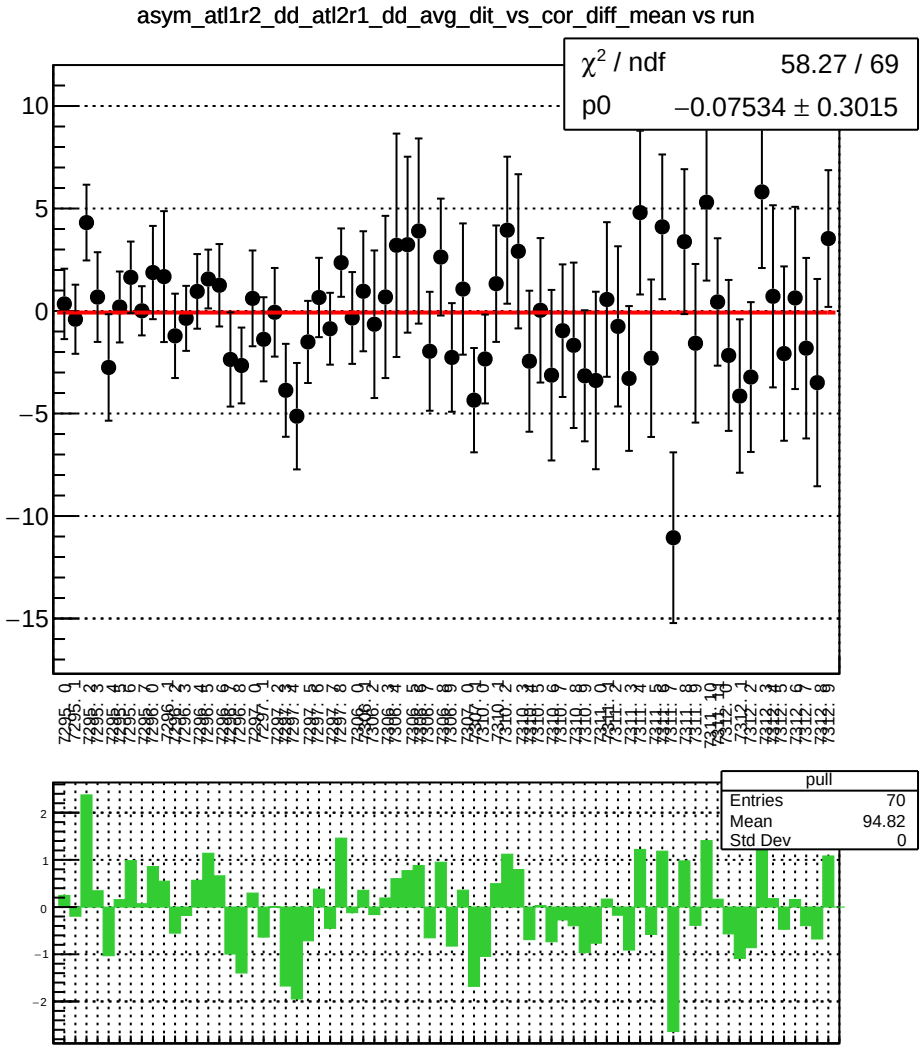

pull1D
Entries 70
Mean 0.01285
Std Dev 0.9748

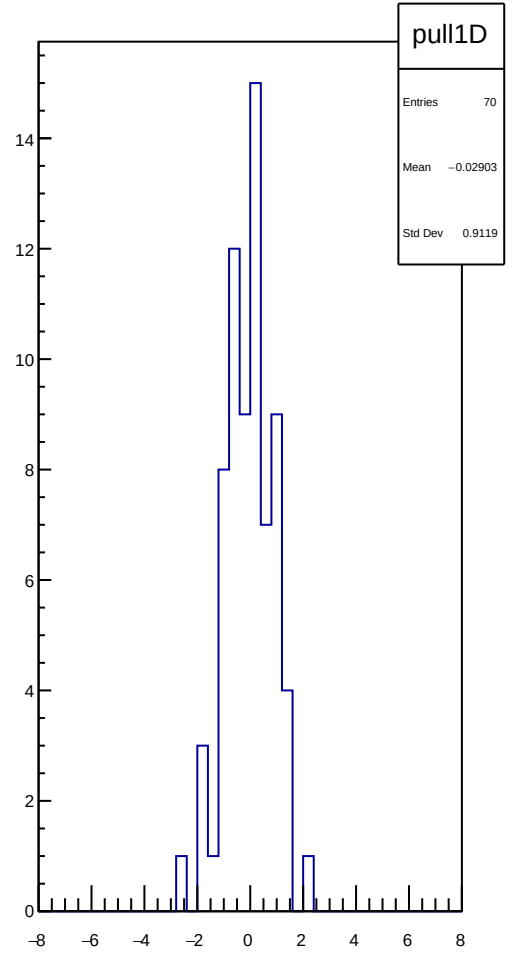

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1044 / 69
p0 1245 ± 1.085
1400
1350
1300
1250
1200

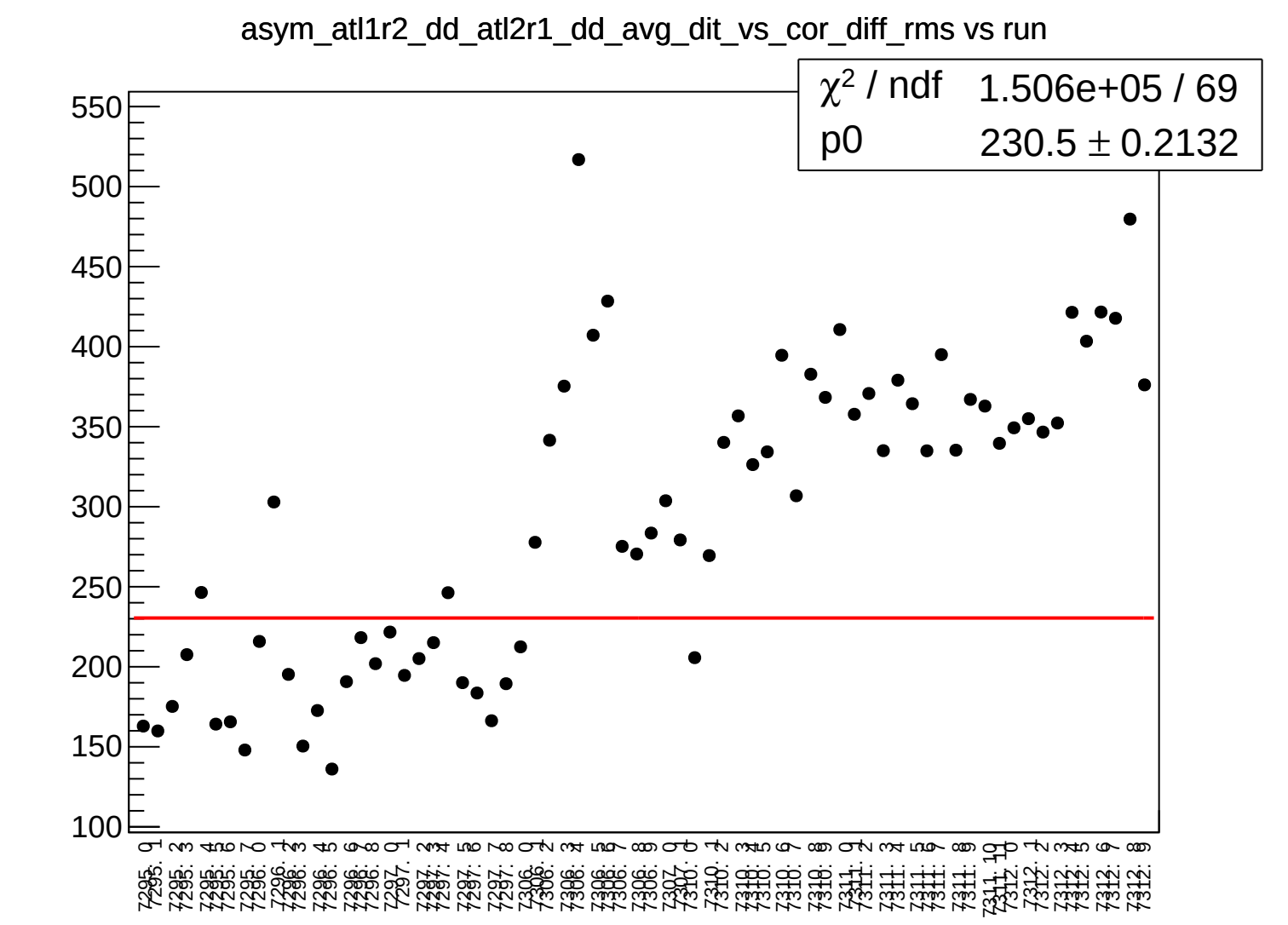

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 69
p0 −3.793e−15 ± 1.162e−14
pull
Entries 70
Mean 43.27
Std Dev 45.66

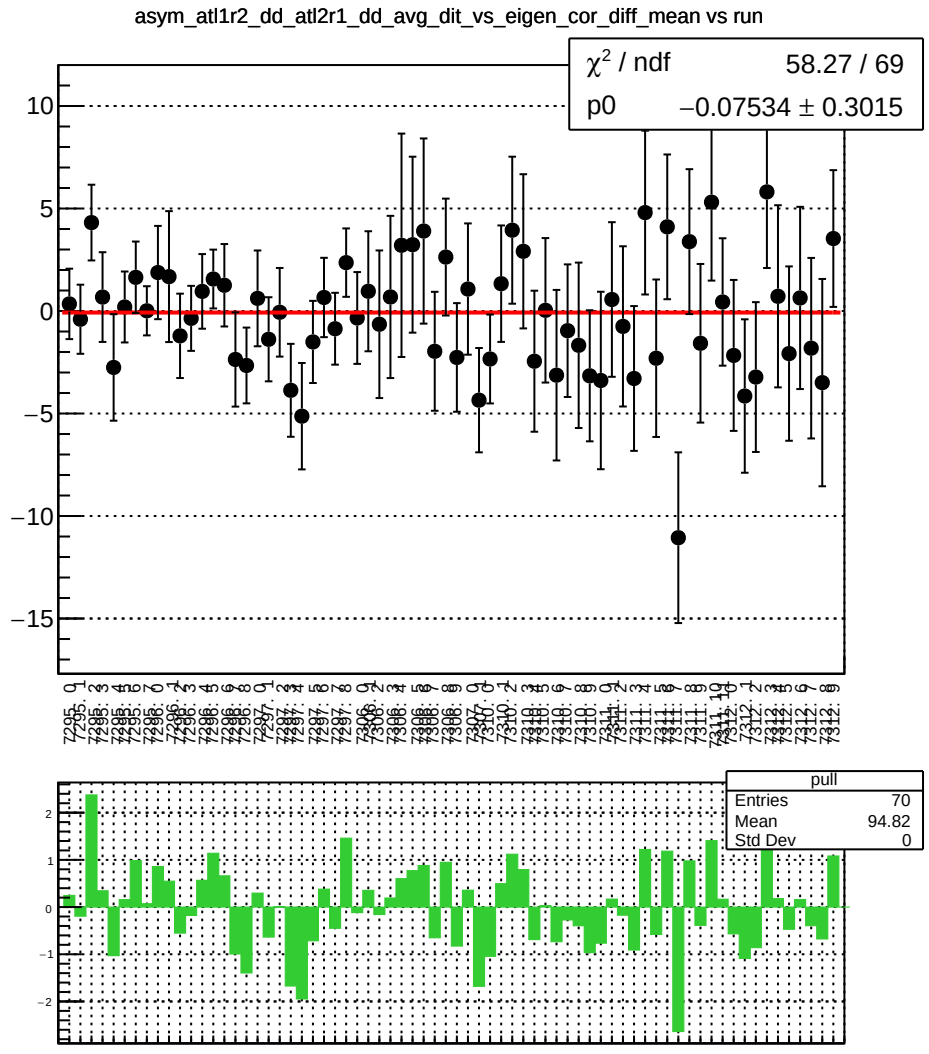

pull1D
Entries 70
Mean −0.03949
Std Dev 0.9761

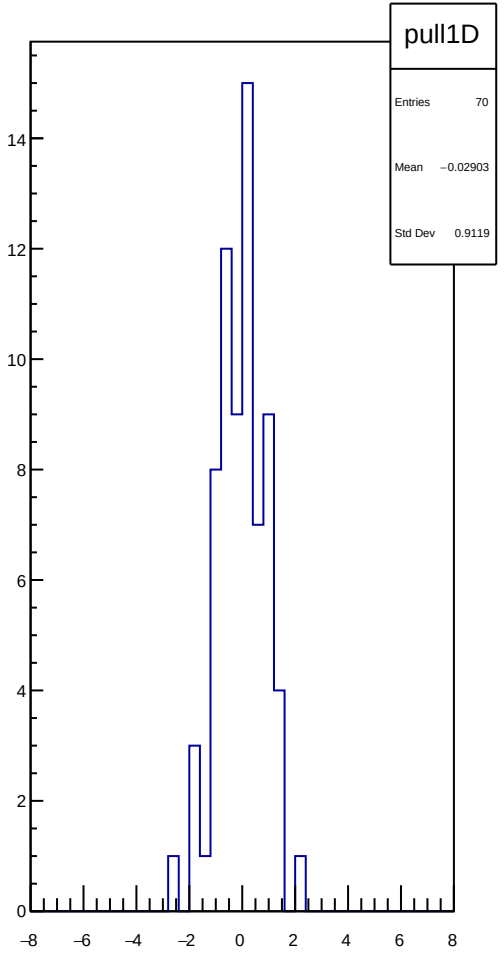

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.628e+05 / 69
p0 5.548e−12 ± 8.214e−15
1
0.8
0.6
0.4
0.2
0

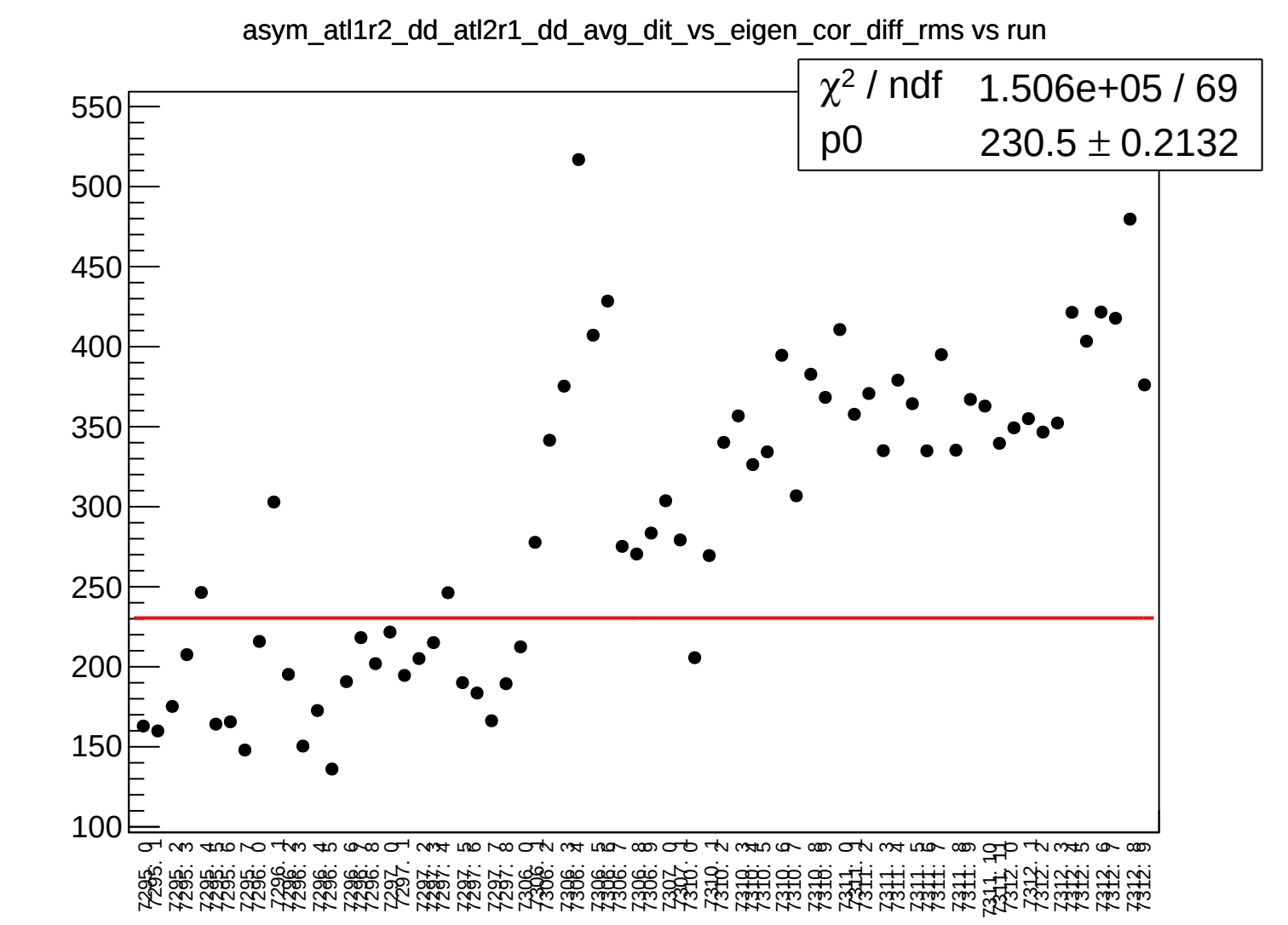

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

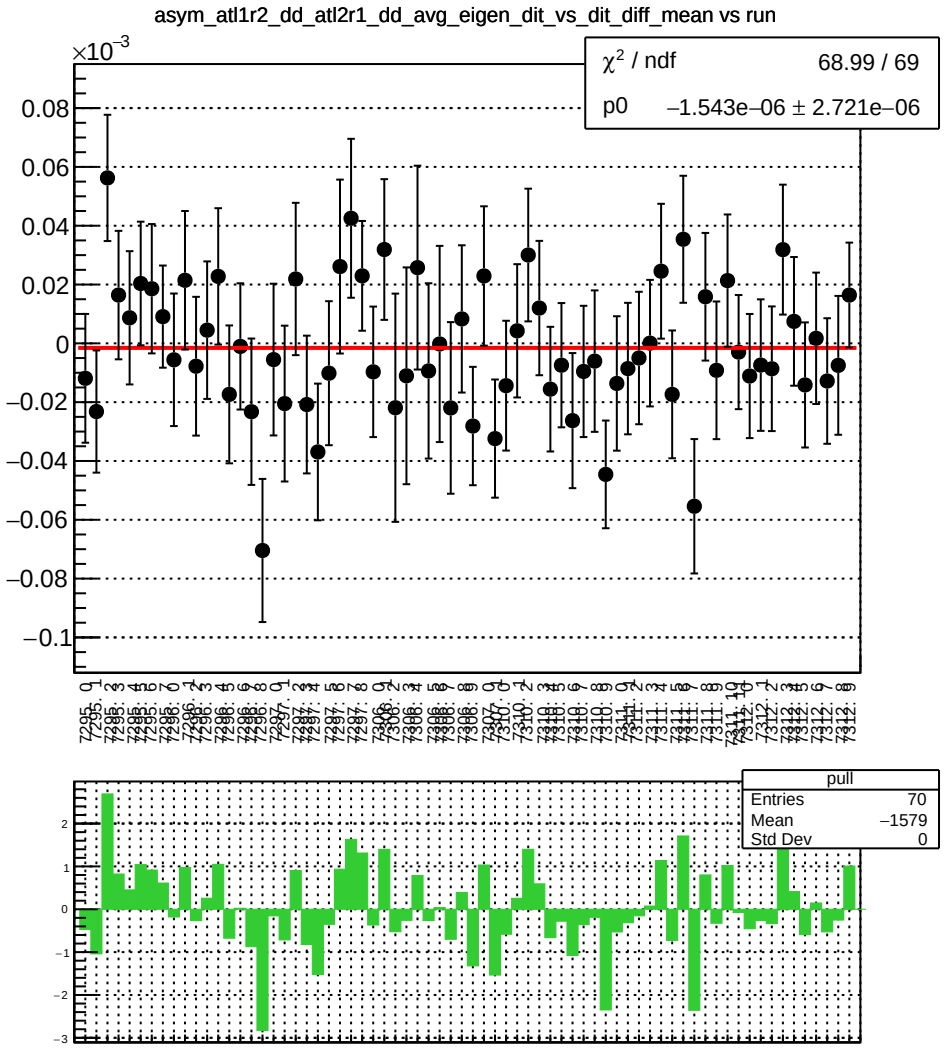

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

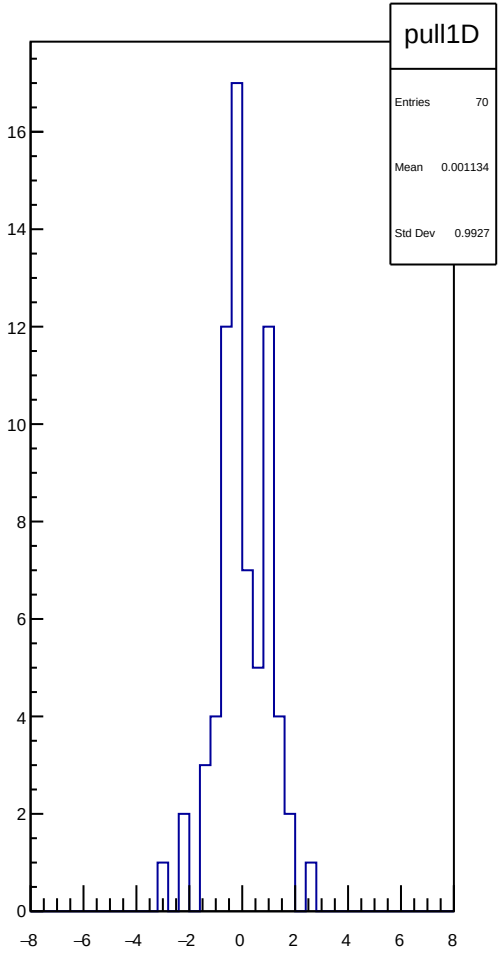

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

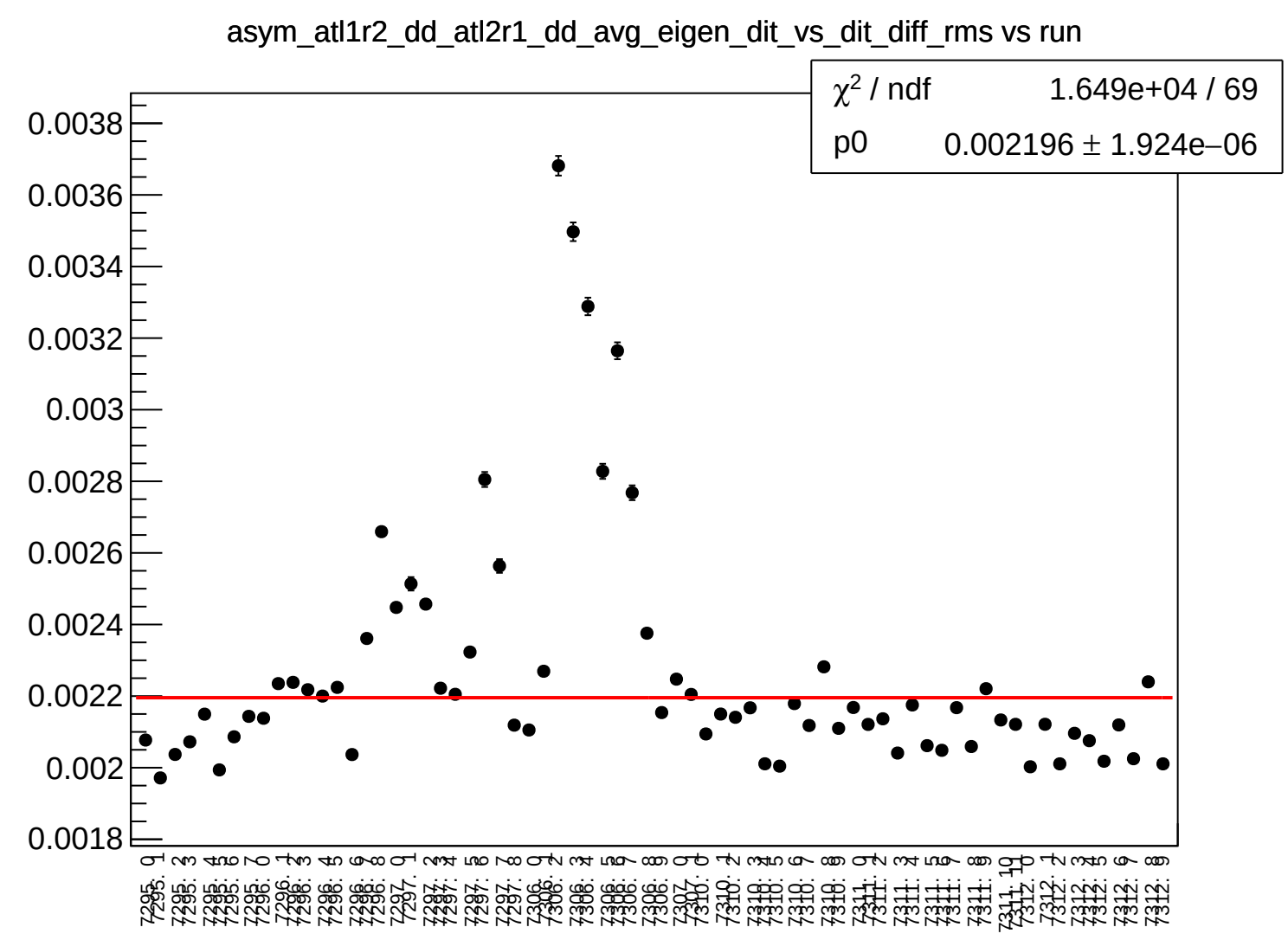

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

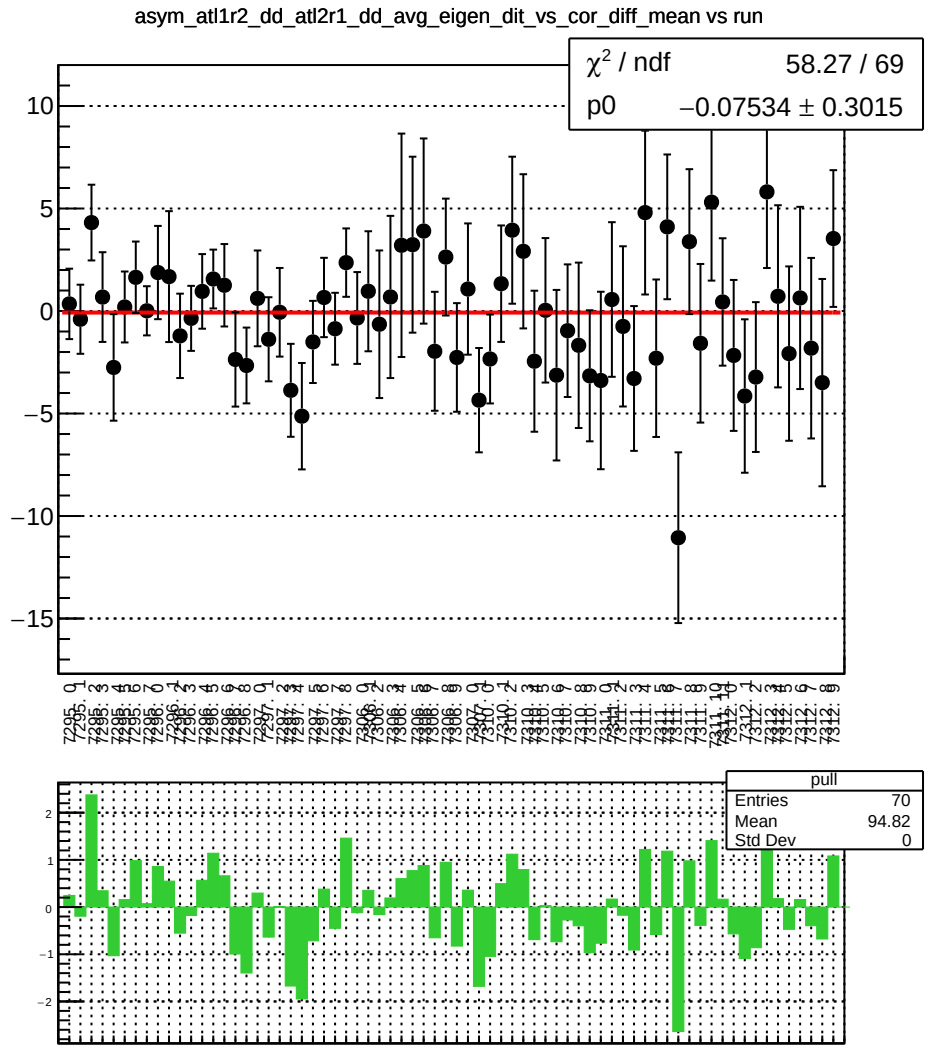

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

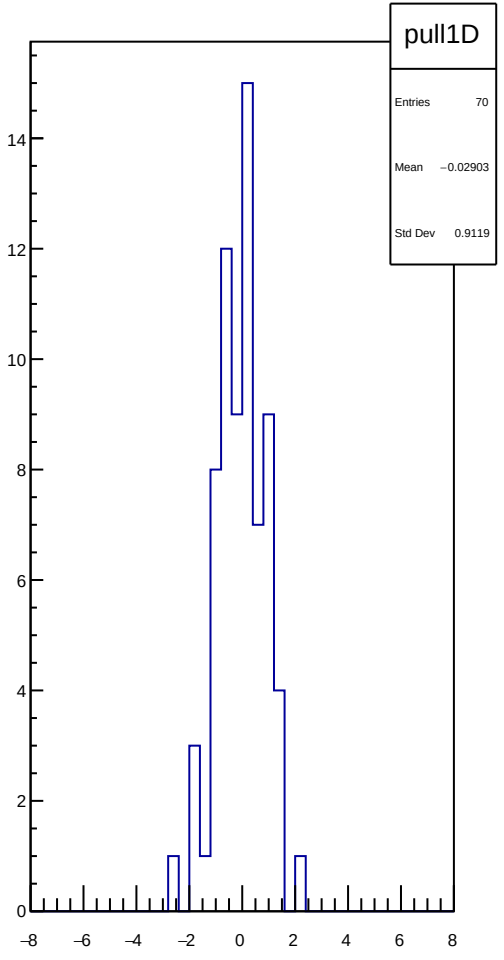

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

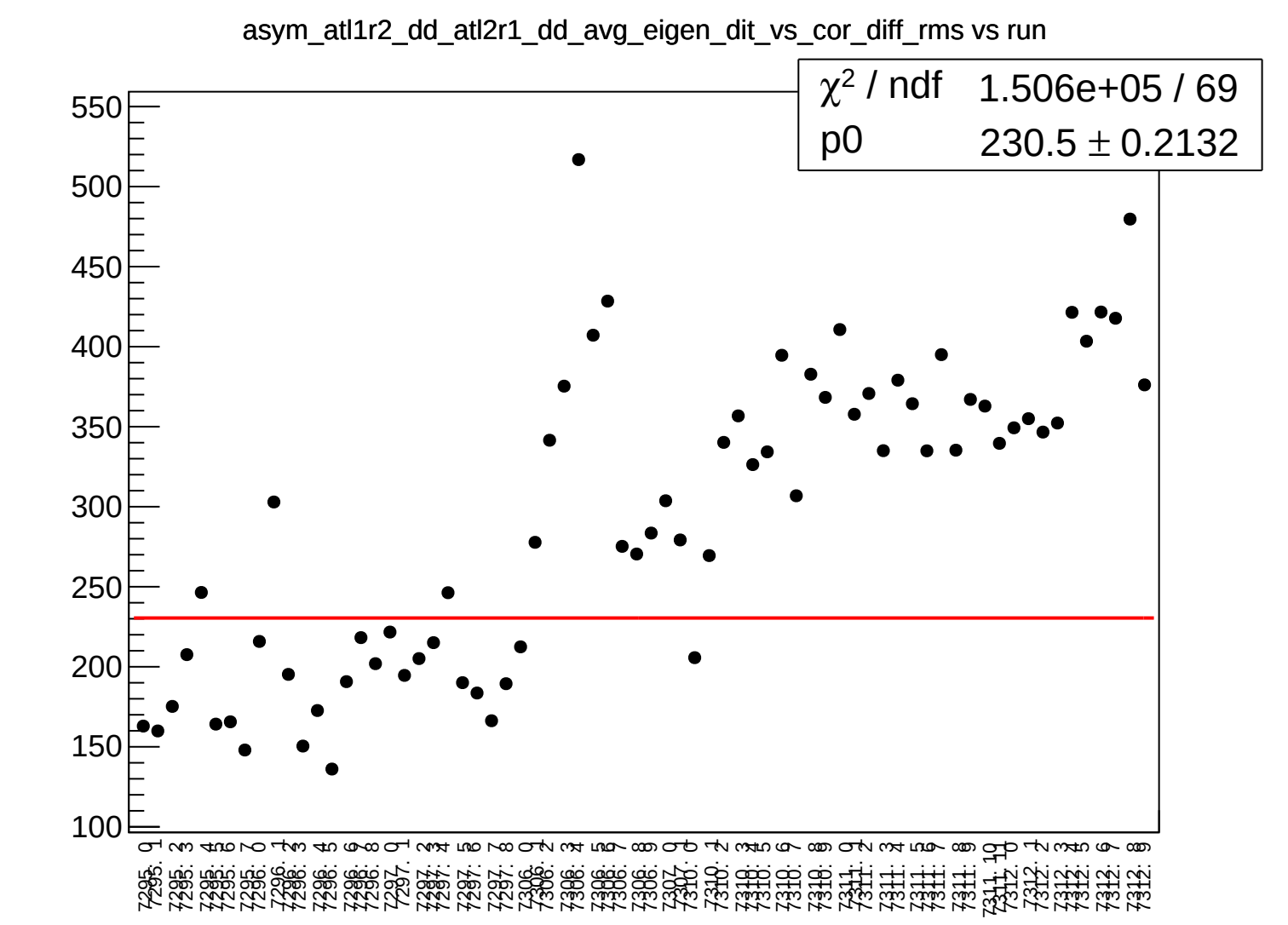

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.99 / 69
p0 −1.543e−06 ± 2.721e−06
pull
Entries 70
Mean −1579
Std Dev 0

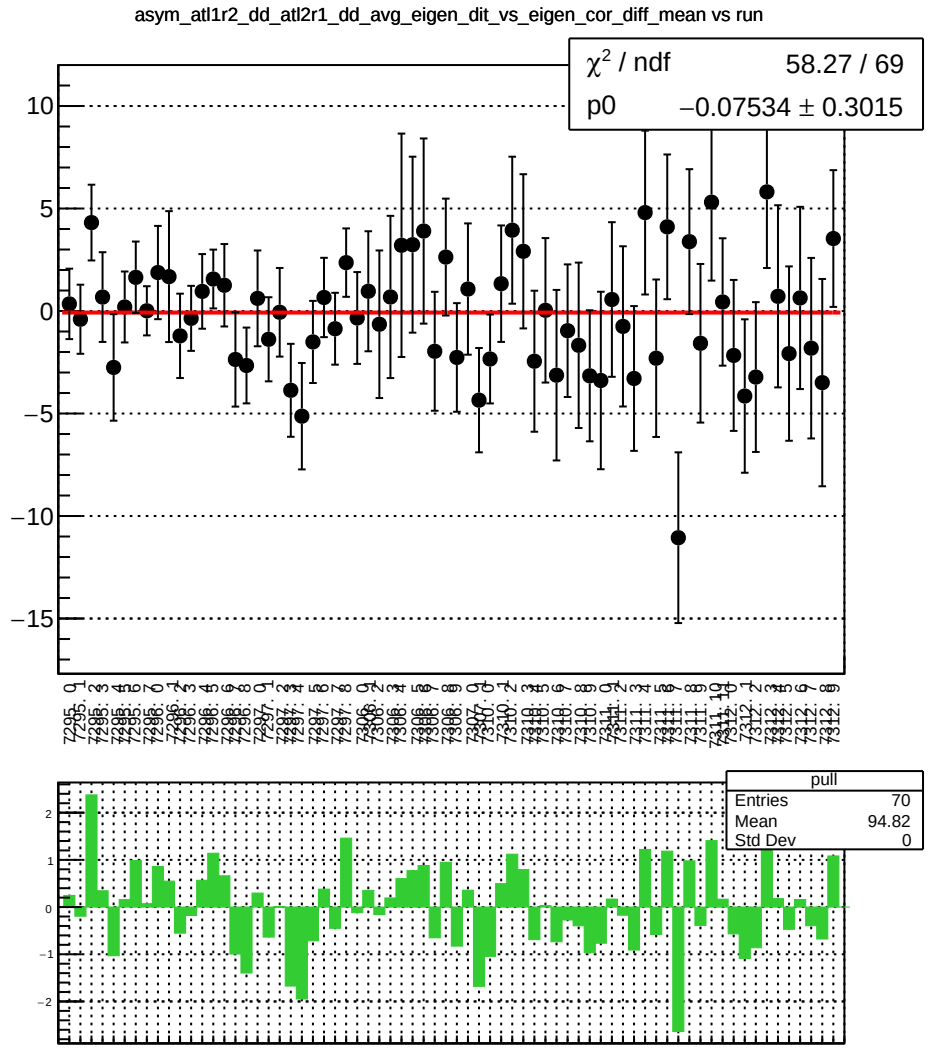

pull1D
Entries 70
Mean 0.001134
Std Dev 0.9927

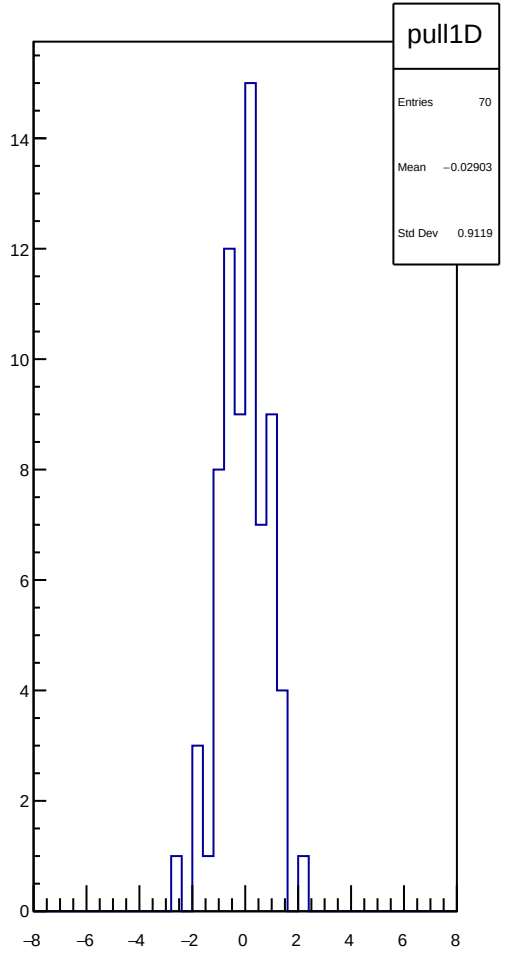

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.649e+04 / 69
p0 0.002196 ± 1.924e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

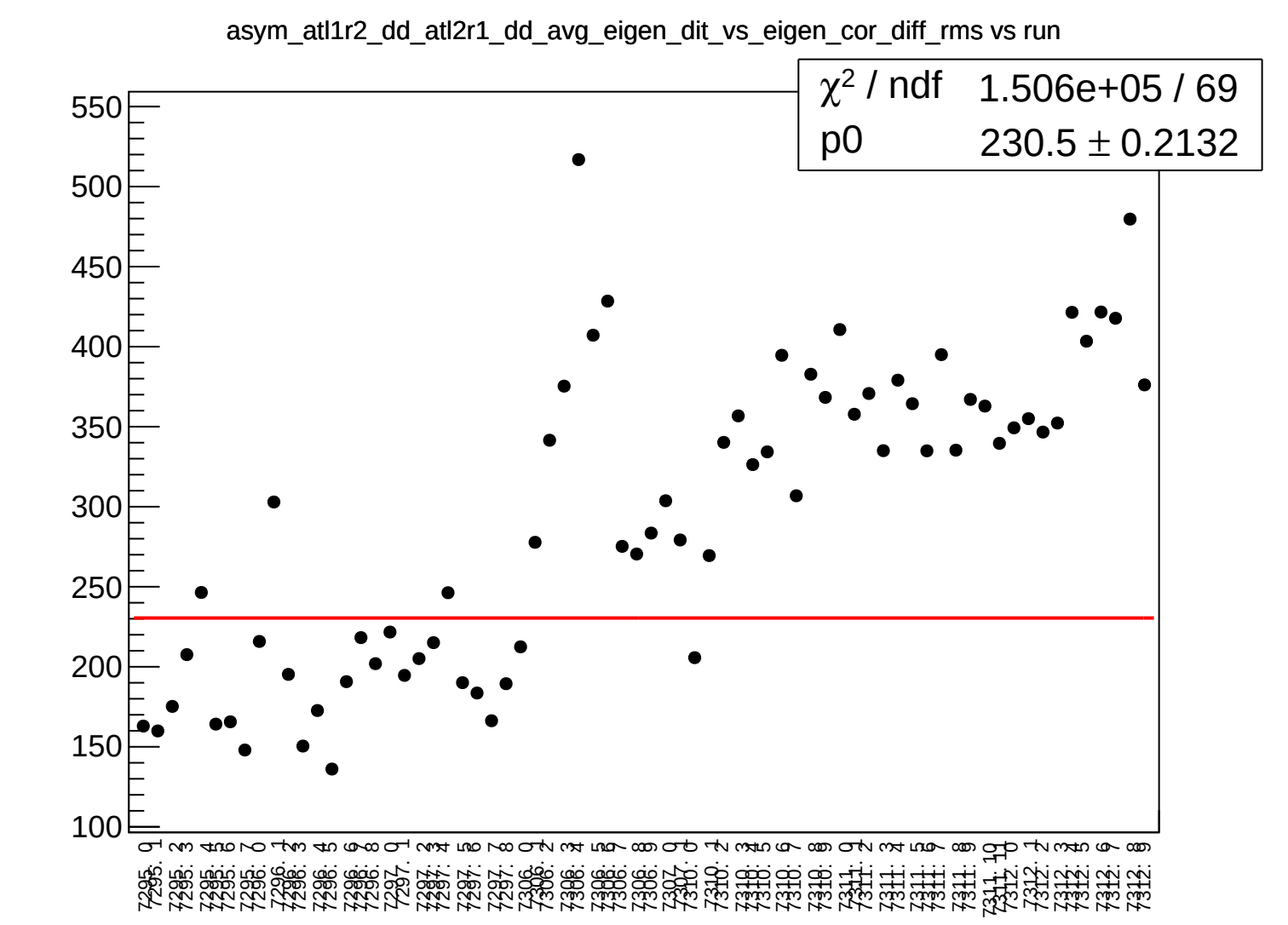

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

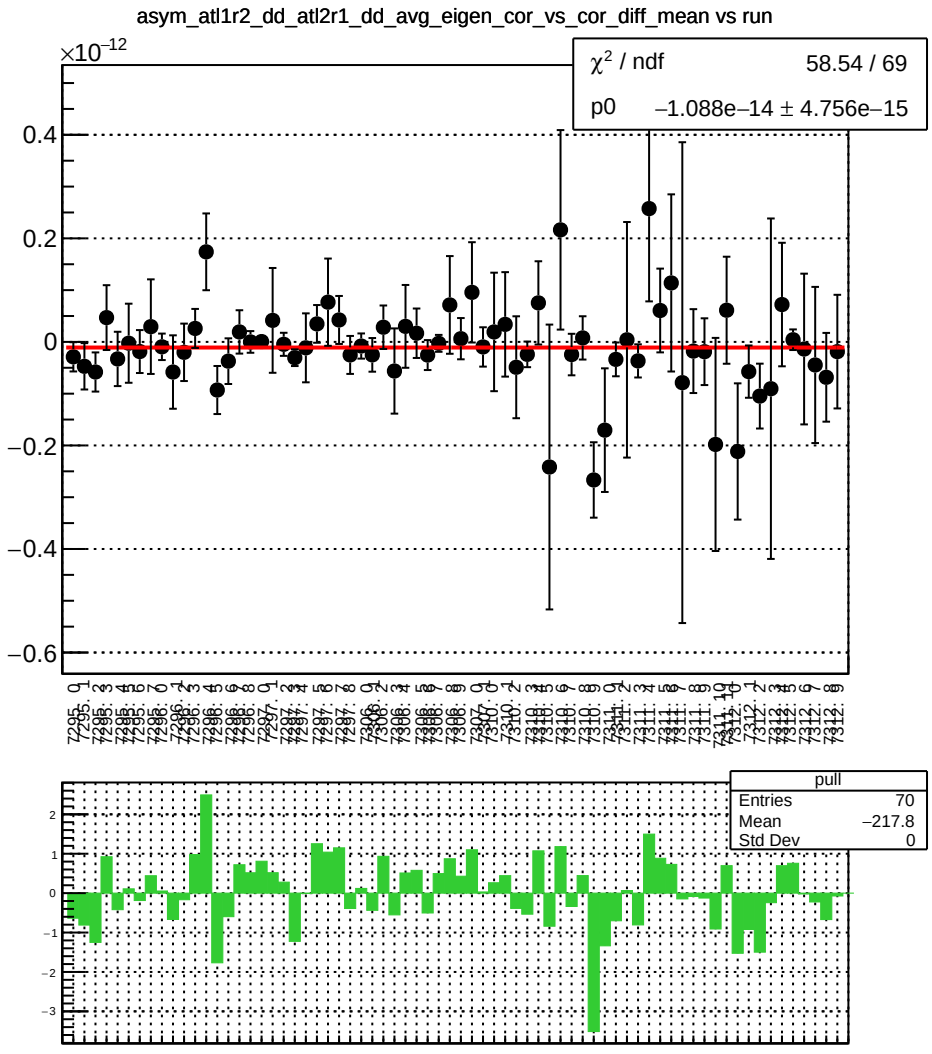

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

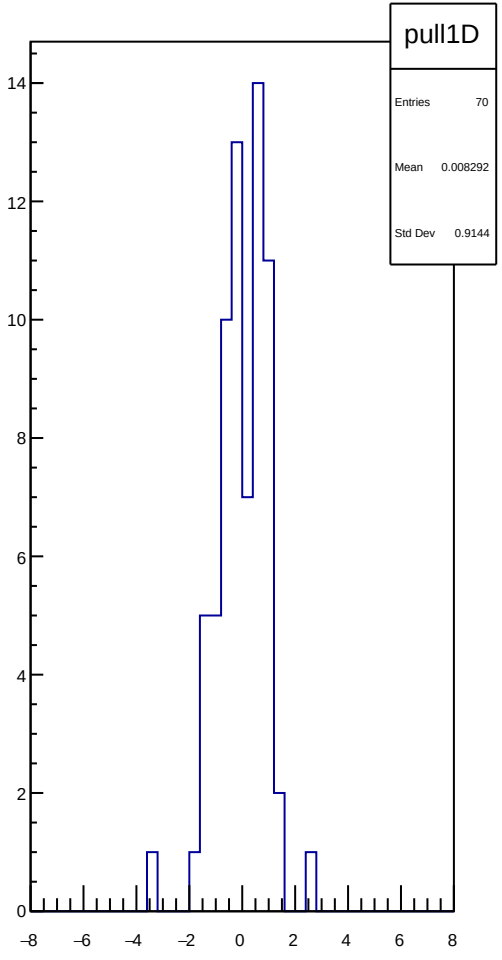

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

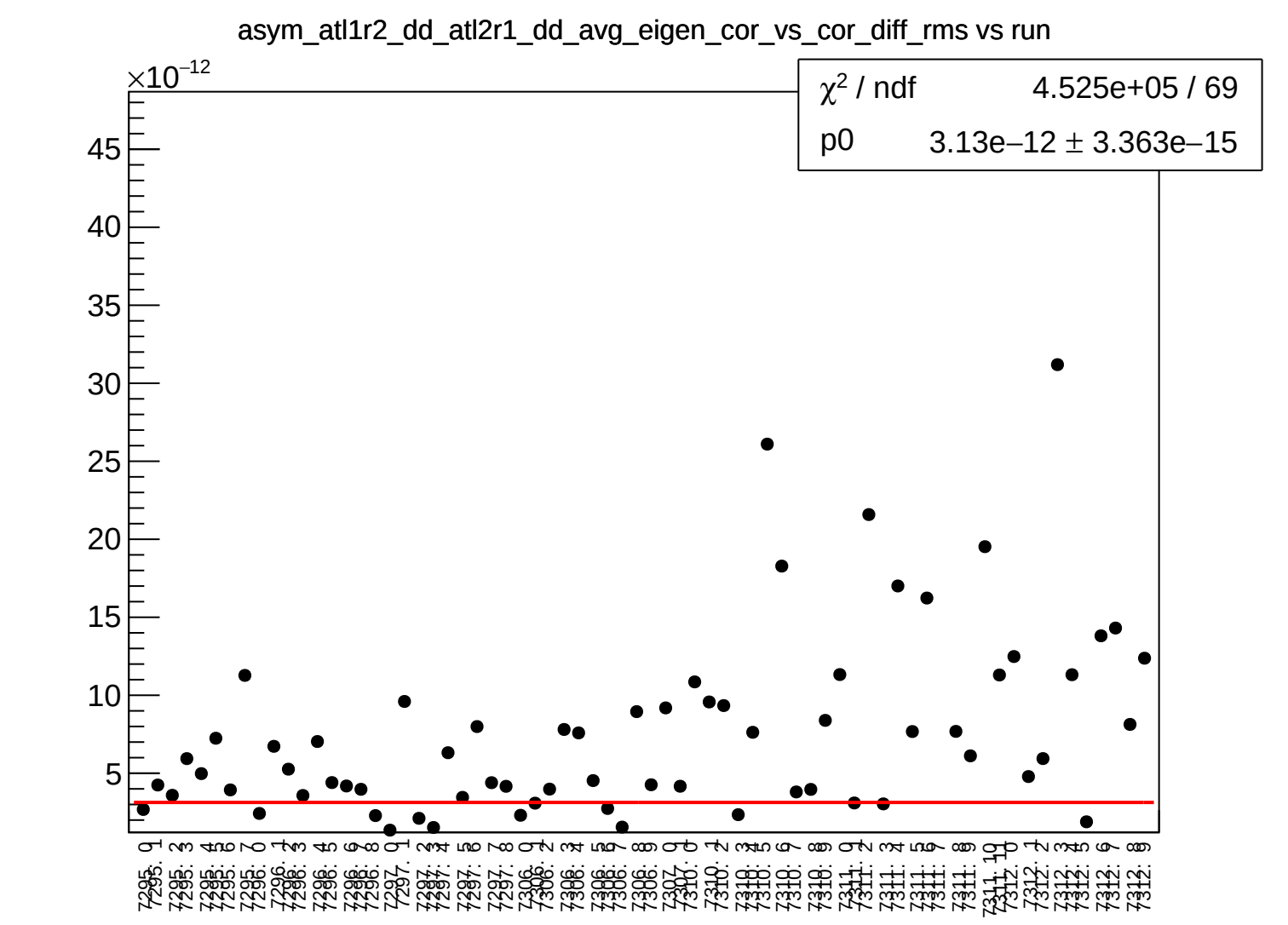

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.27 / 69
p0 −0.07534 ± 0.3015
pull
Entries 70
Mean 94.82
Std Dev 0

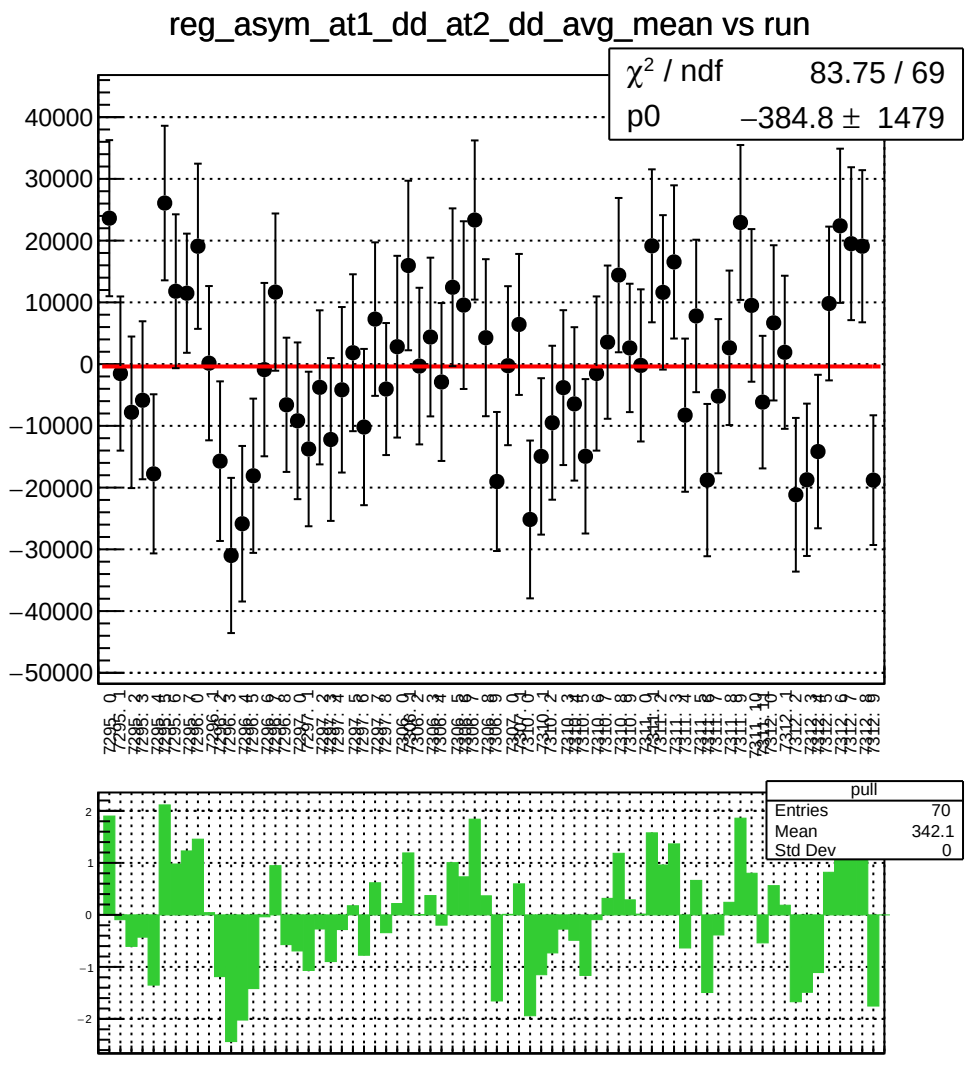

pull1D
Entries 70
Mean −0.02903
Std Dev 0.9119

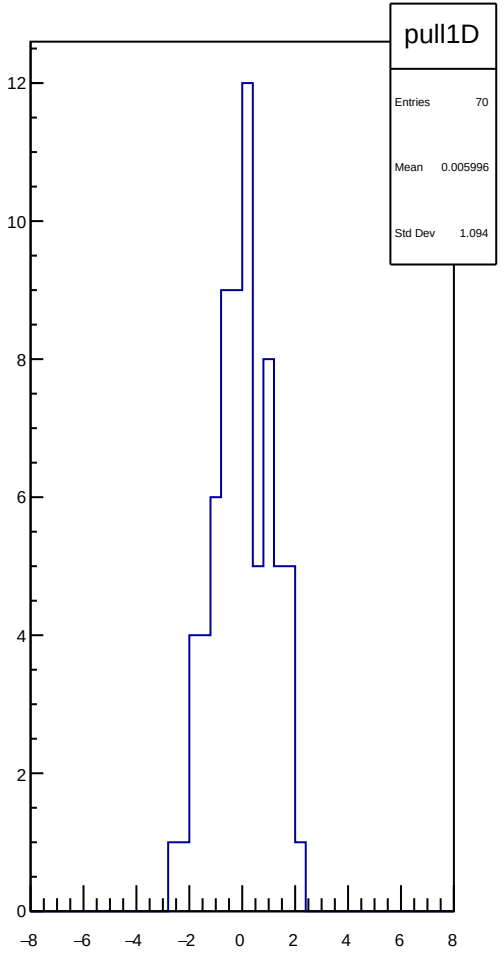

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 69
p0 230.5 ± 0.2132
550
500
450
400
350
300
250
200
150
100

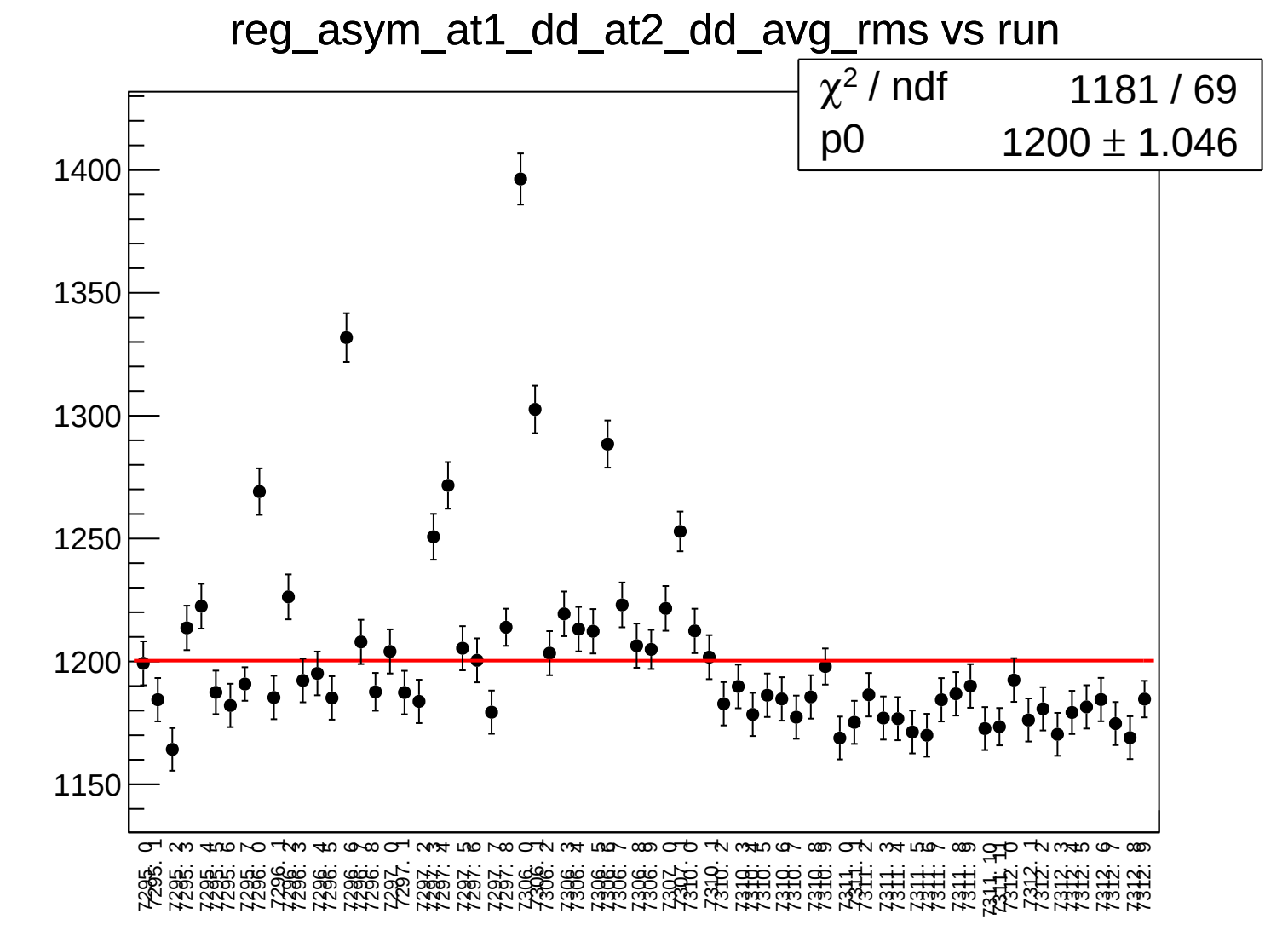

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.54 / 69
p0 −1.088e−14 ± 4.756e−15
pull
Entries 70
Mean −217.8
Std Dev 0

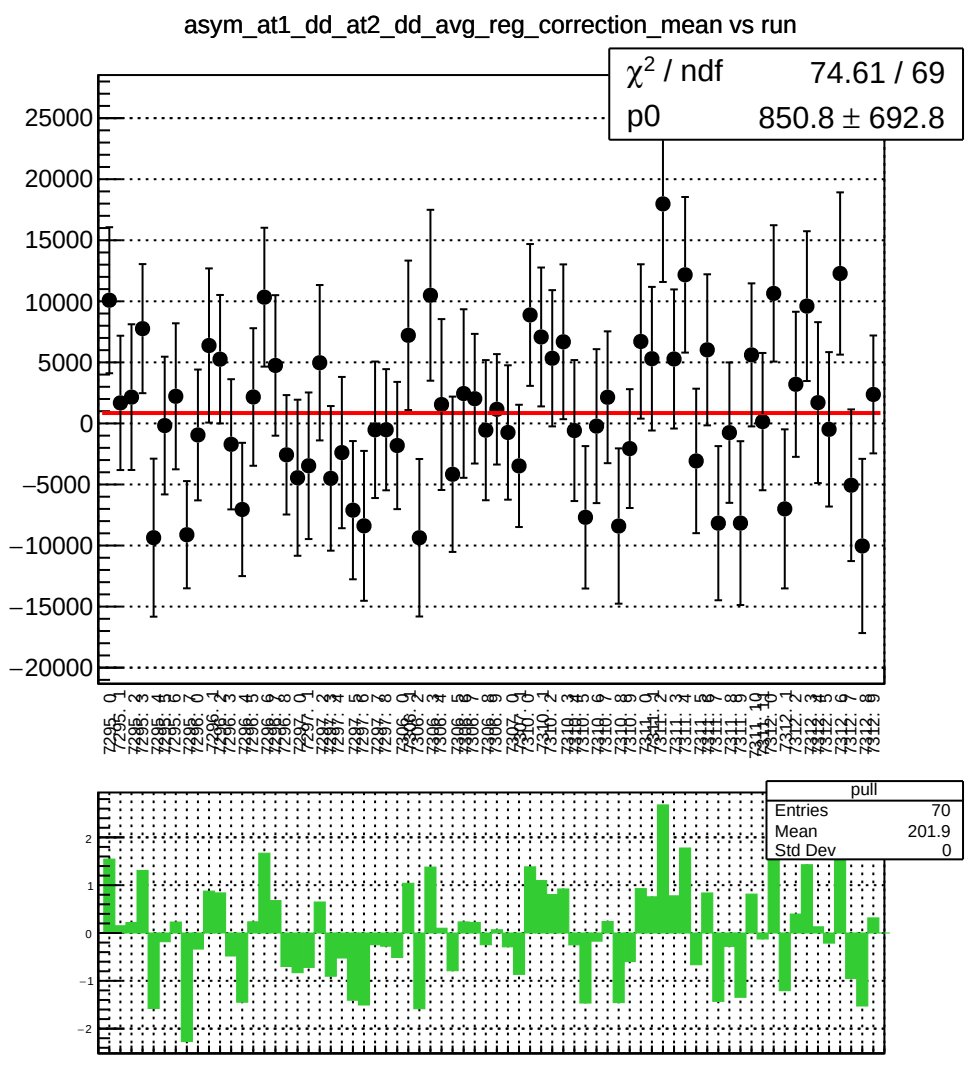

pull1D
Entries 70
Mean 0.008292
Std Dev 0.9144

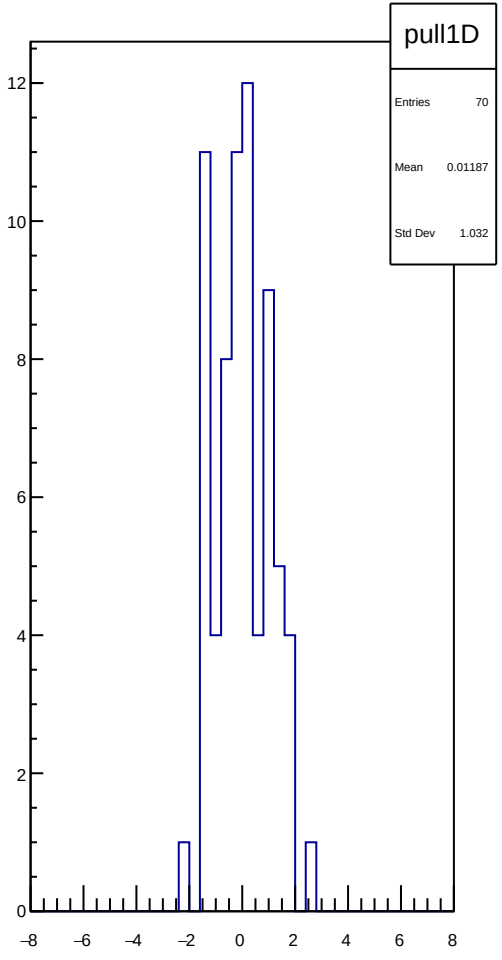

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.525e+05 / 69
p0 3.13e−12 ± 3.363e−15
45
40
35
30
25
20
15
10
5

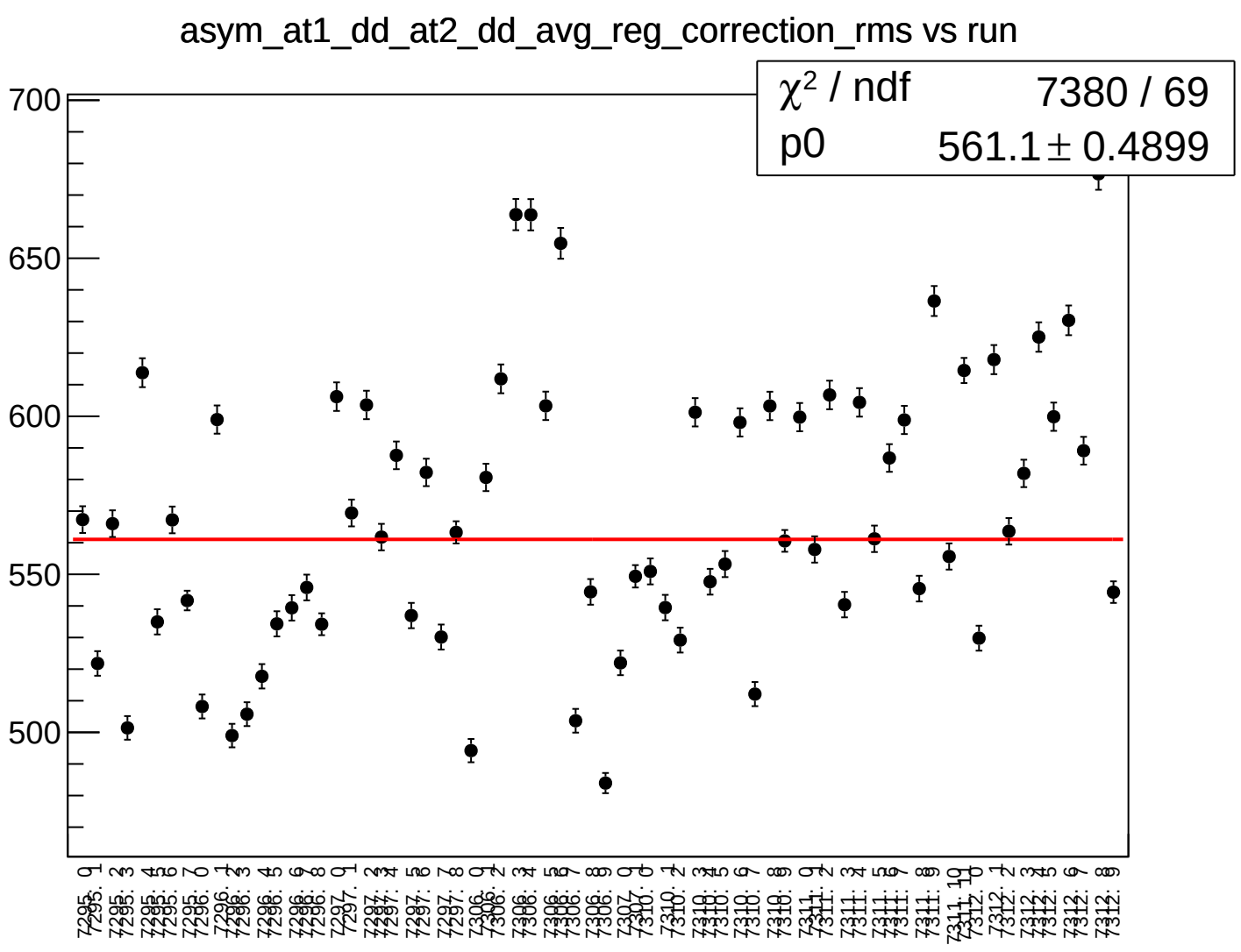

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.1
Std Dev 0

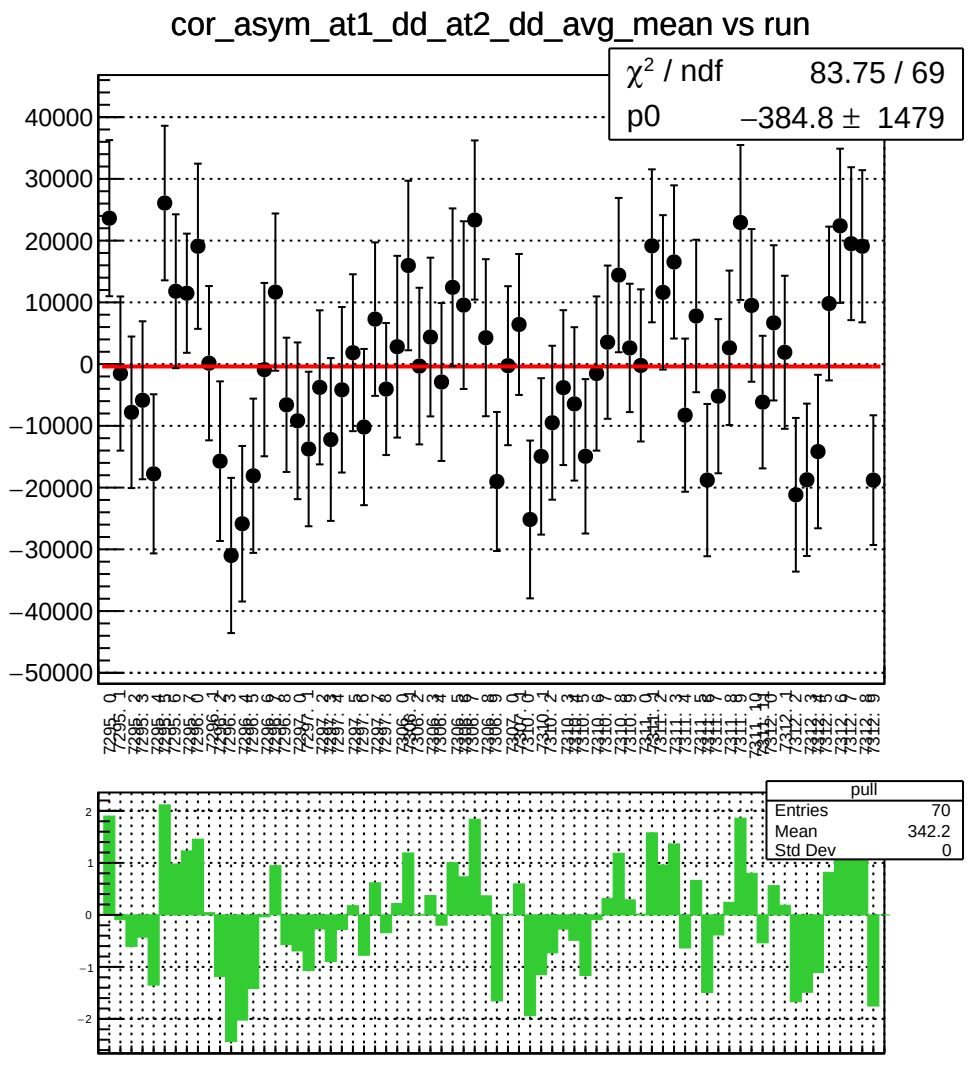

pull1D
Entries 70
Mean 0.005996
Std Dev 1.094

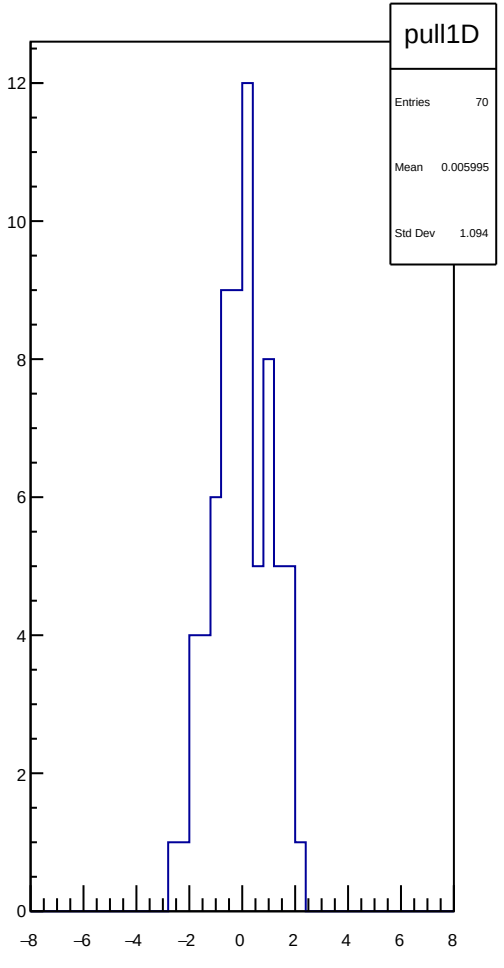

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ^2 / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

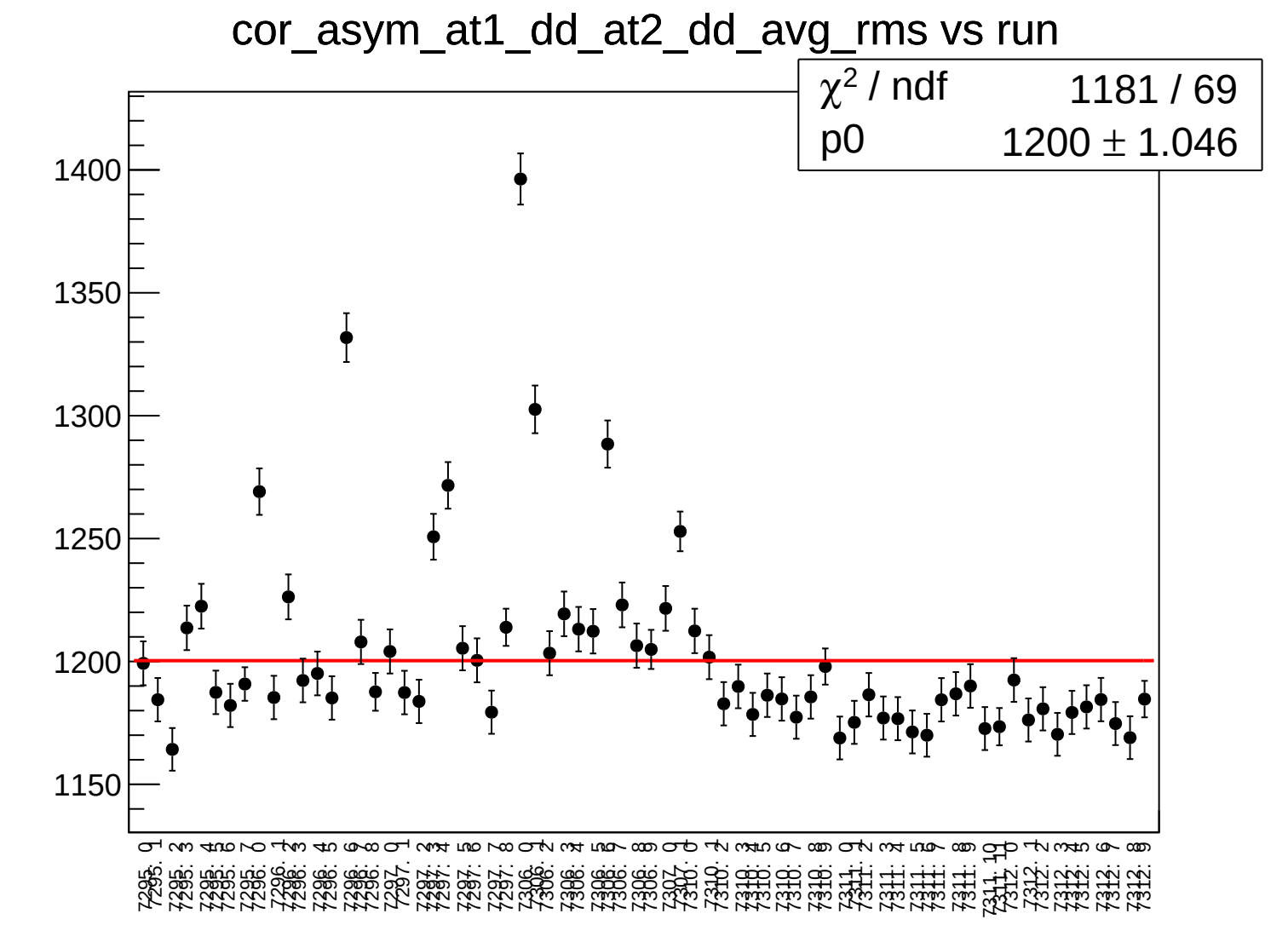

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 74.61 / 69
p0 850.8 ± 692.8
pull
Entries 70
Mean 201.9
Std Dev 0

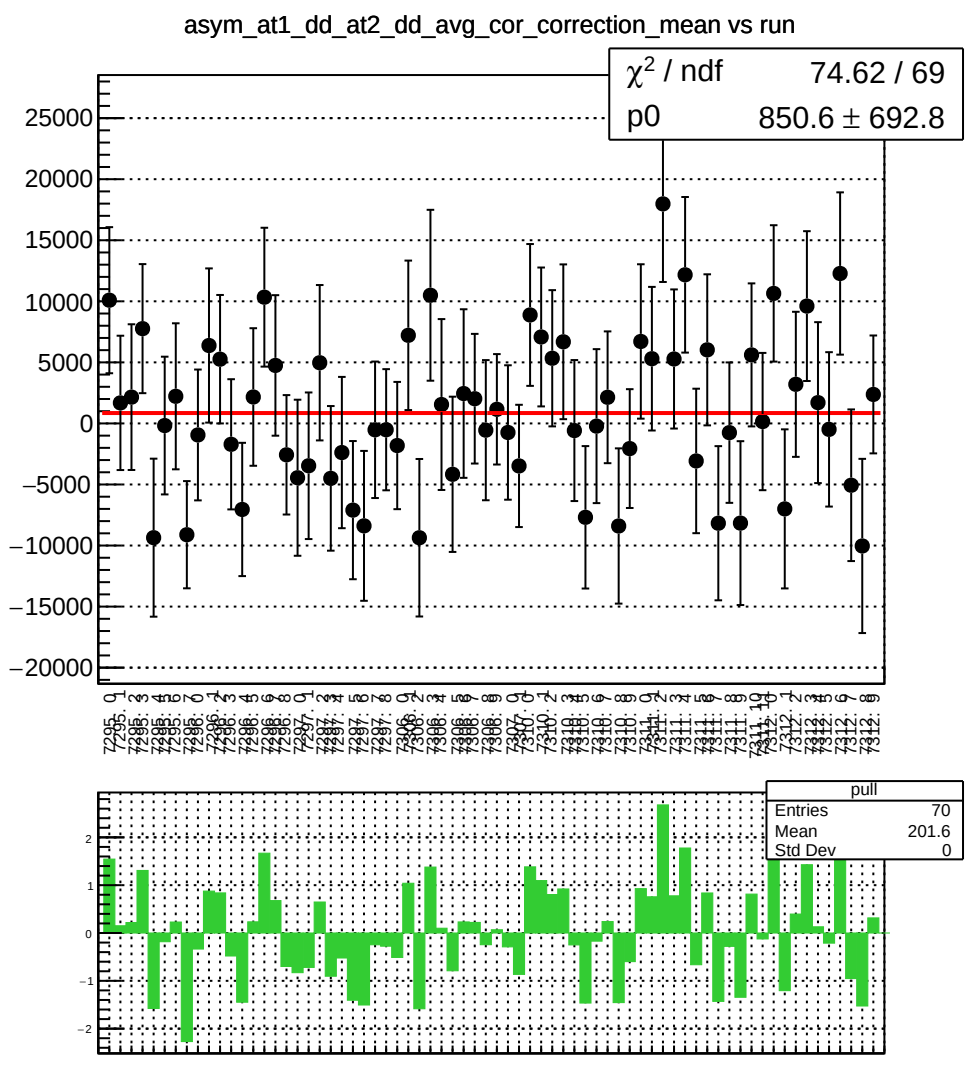

pull1D
Entries 70
Mean 0.01187
Std Dev 1.032

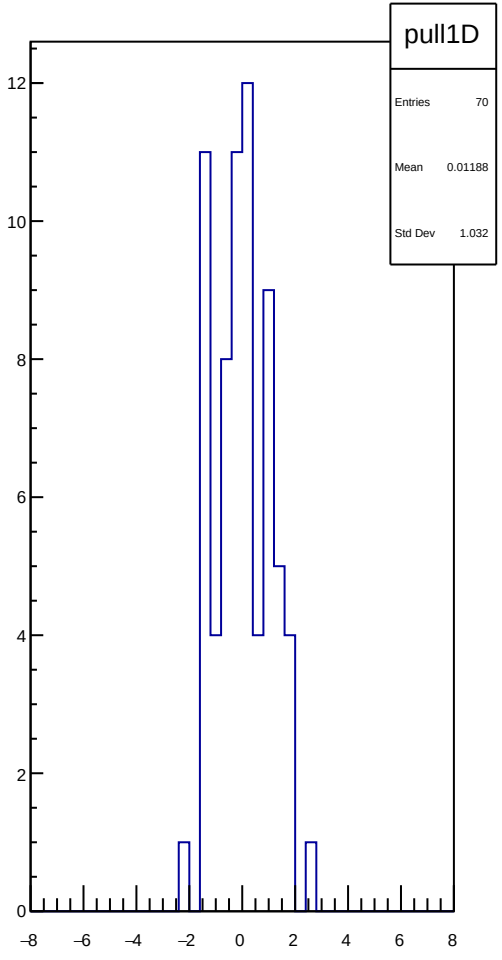

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 7380 / 69
p0 561.1 ± 0.4899
700
650
600
550
500

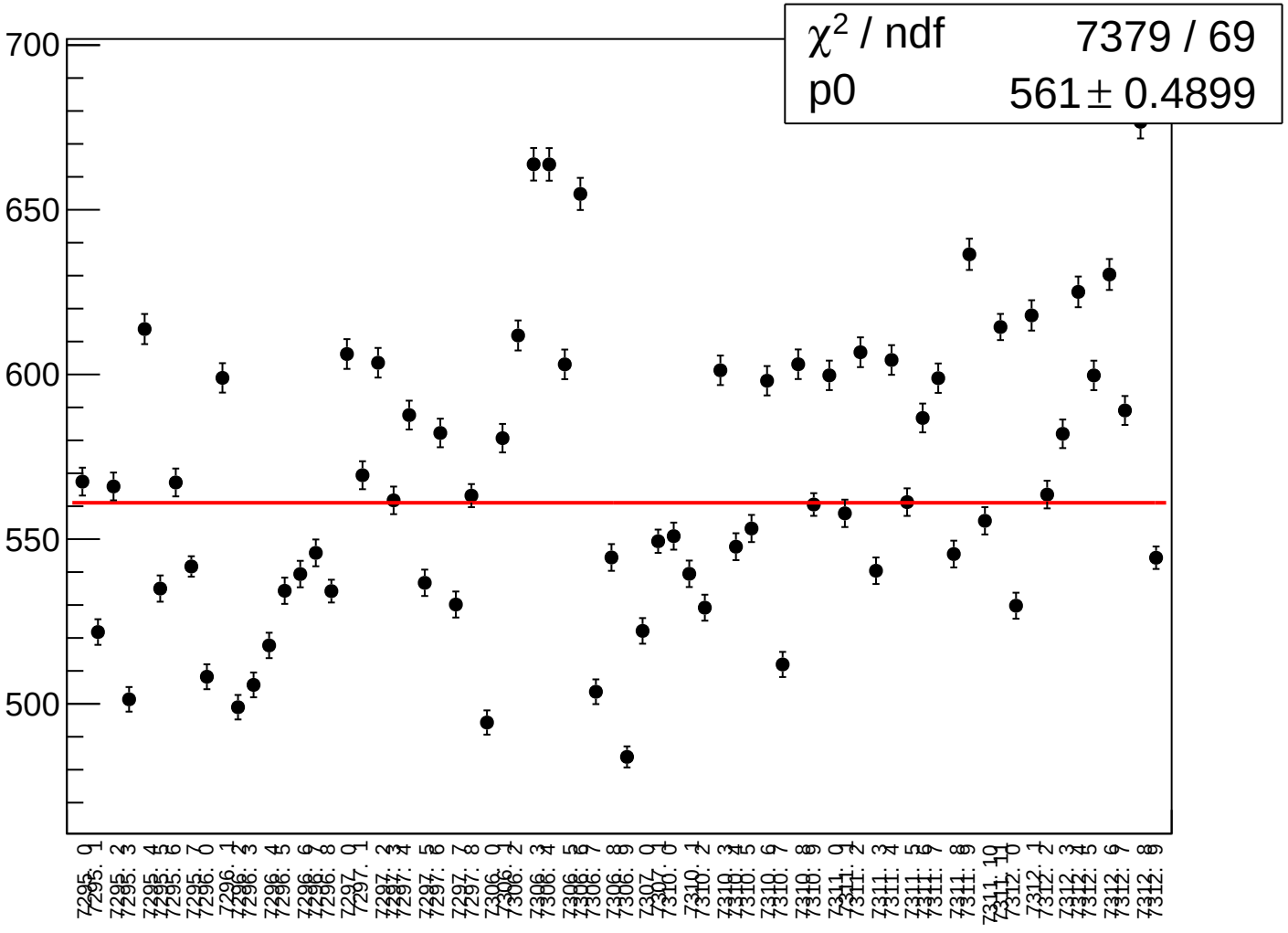

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.2
Std Dev 0

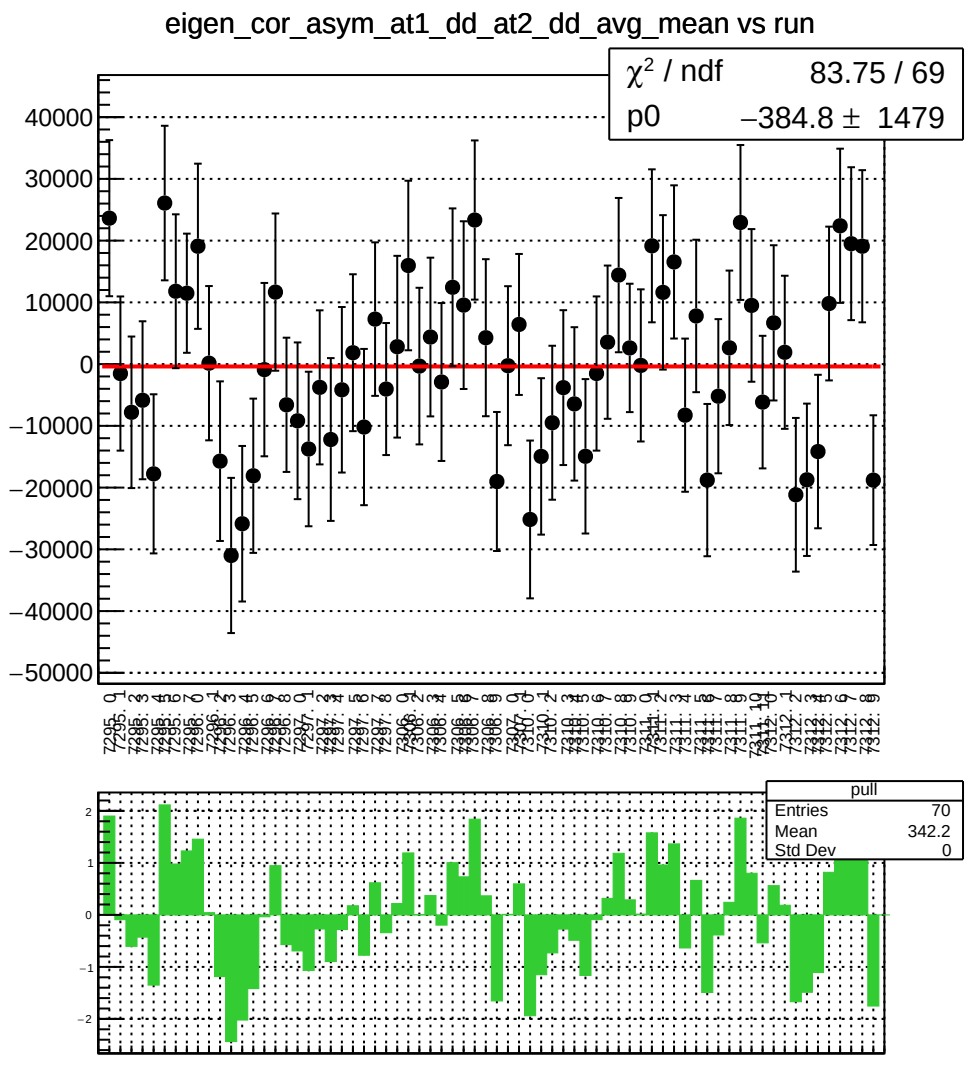

pull1D
Entries 70
Mean 0.005995
Std Dev 1.094

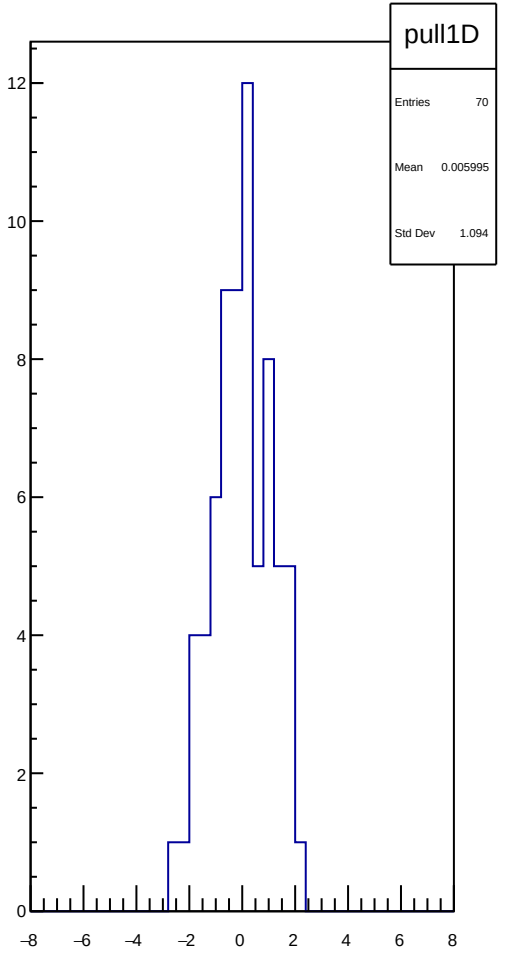

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

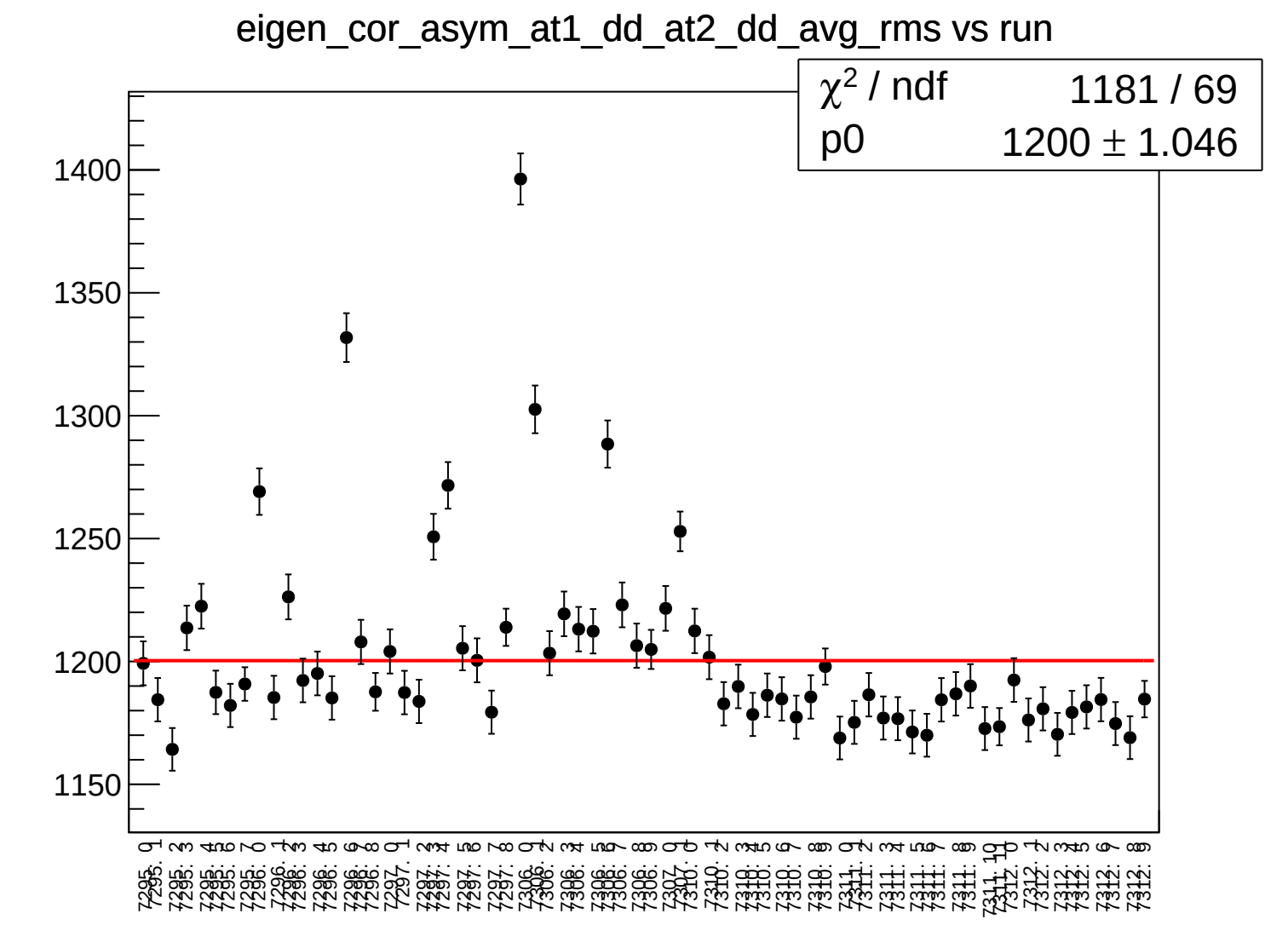

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 74.62 / 69
p0 850.6 ± 692.8
pull
Entries 70
Mean 201.6
Std Dev 0

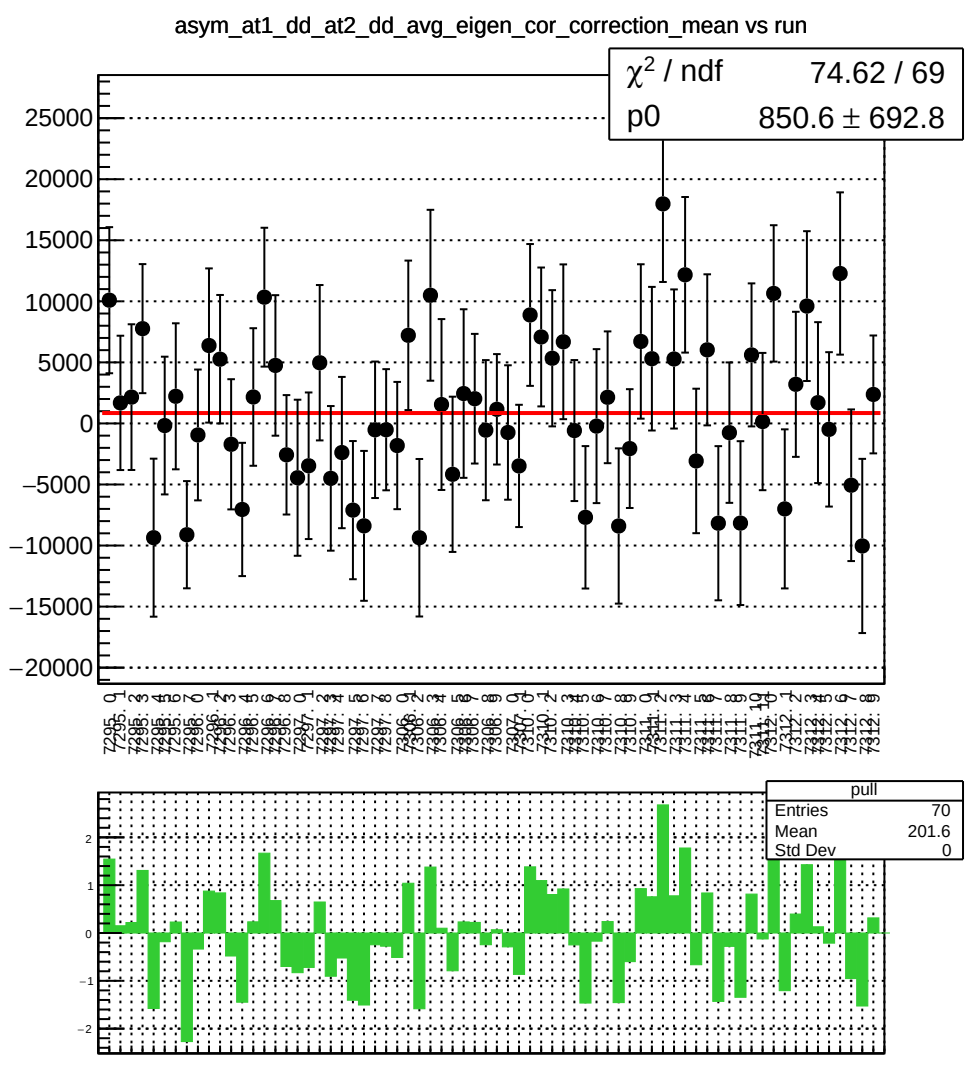

pull1D
Entries 70
Mean 0.01188
Std Dev 1.032

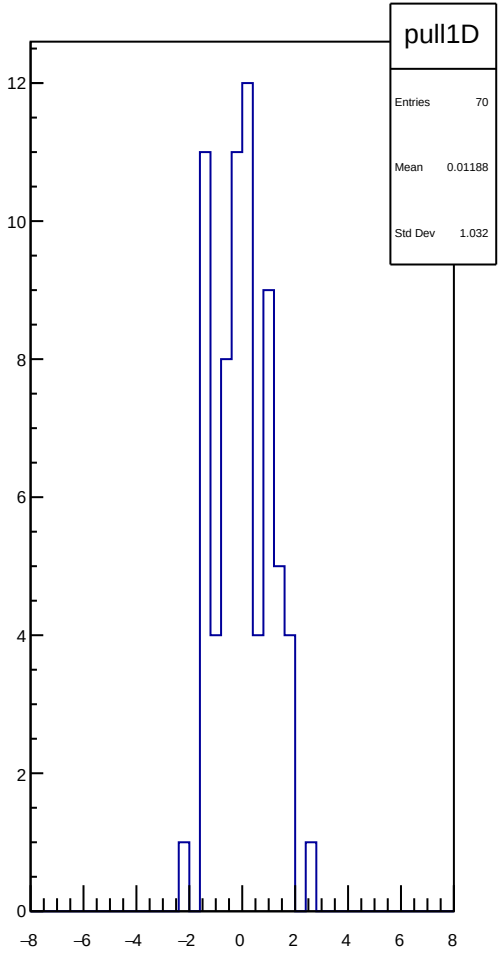

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 7379 / 69
p0 561 ± 0.4899
700
650
600
550
500

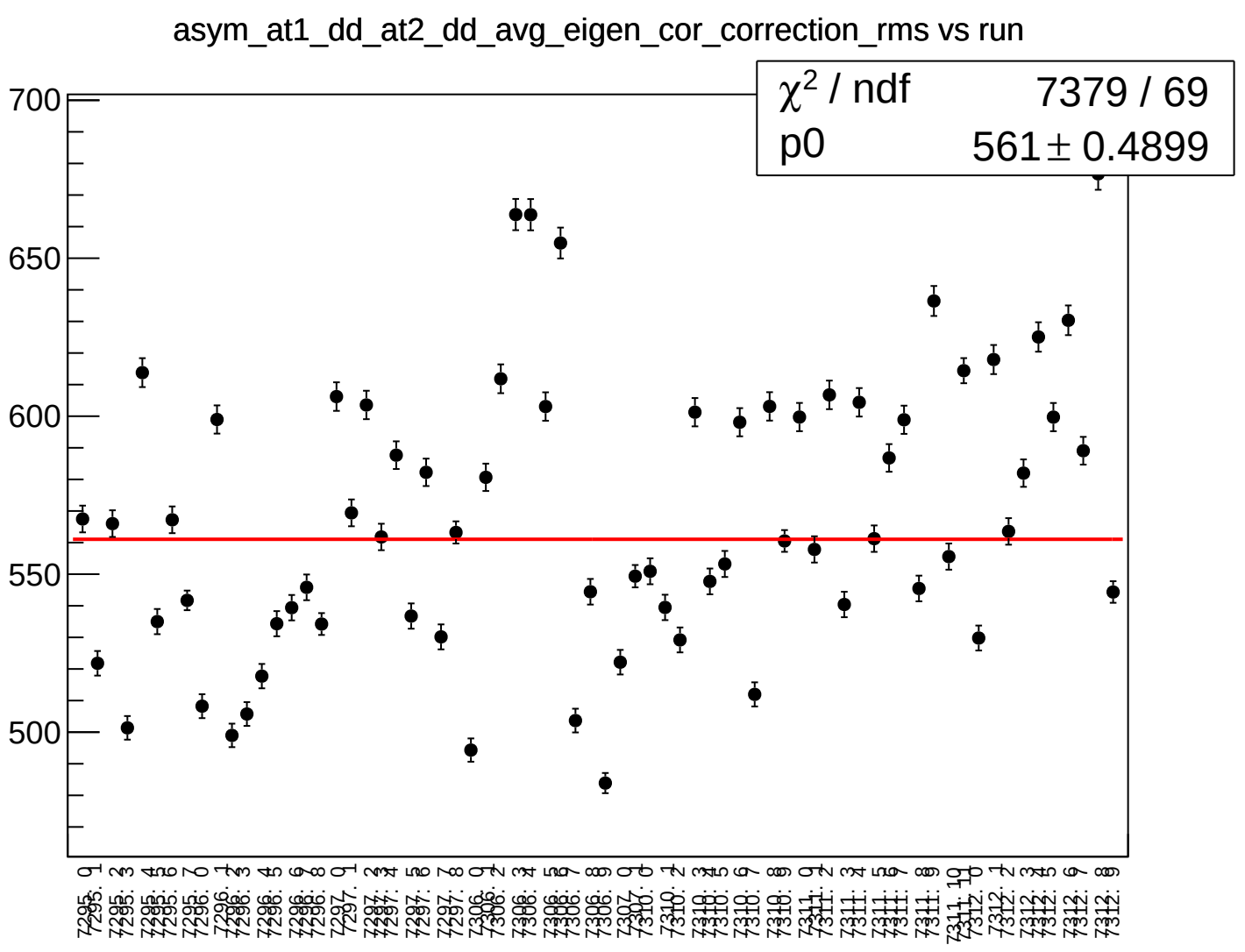

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 83.75 / 69
p0 −384.8 ± 1479
pull
Entries 70
Mean 342.2
Std Dev 0

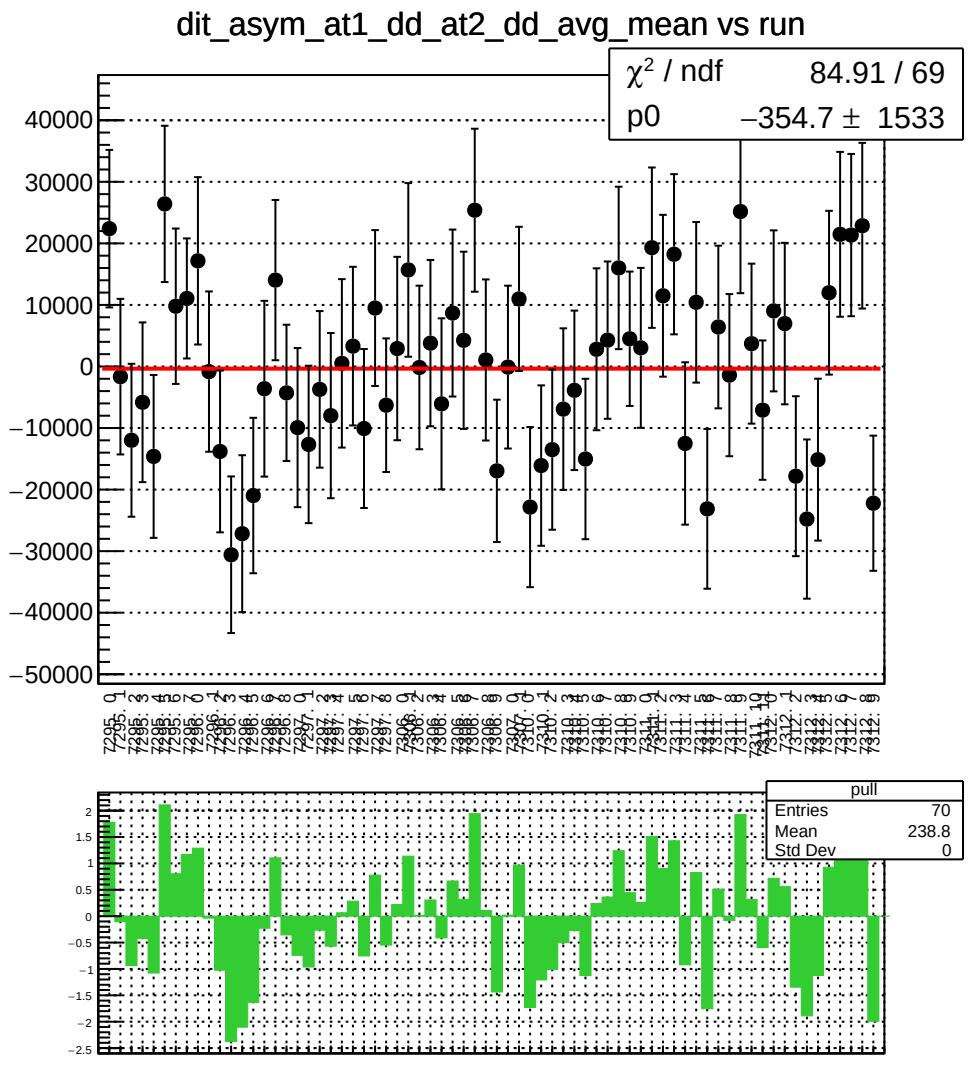

pull1D
Entries 70
Mean 0.005995
Std Dev 1.094

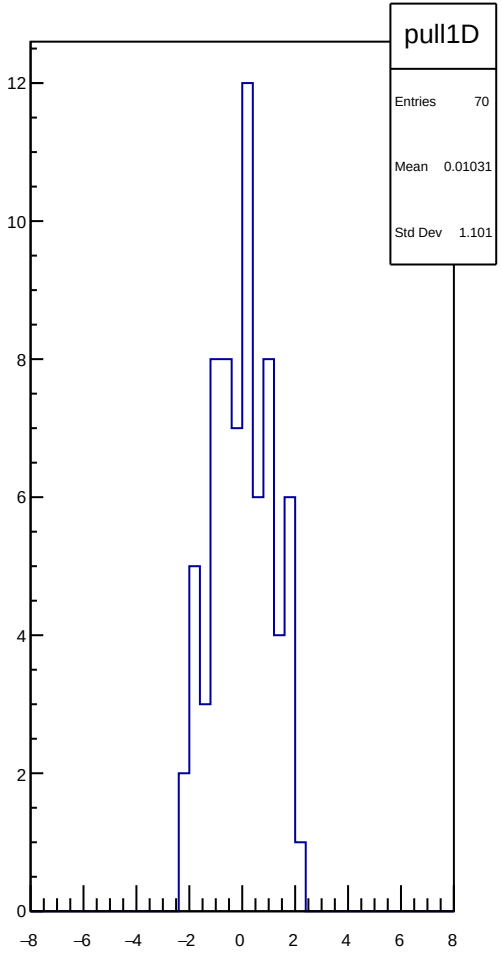

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1181 / 69
p0 1200 ± 1.046
1400
1350
1300
1250
1200
1150

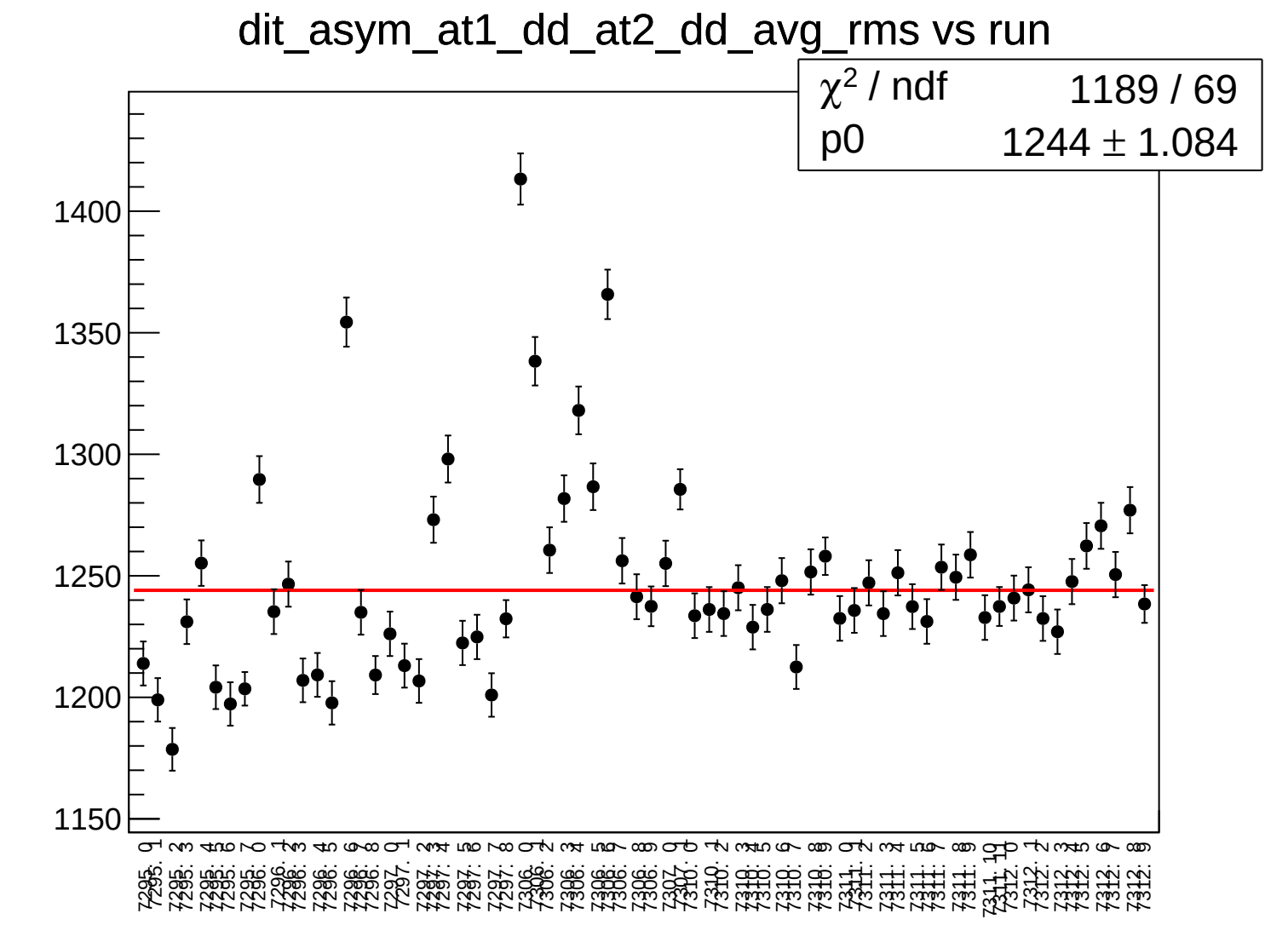

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.62 / 69
p0 850.6 ± 692.8
pull
Entries 70
Mean 201.6
Std Dev 0

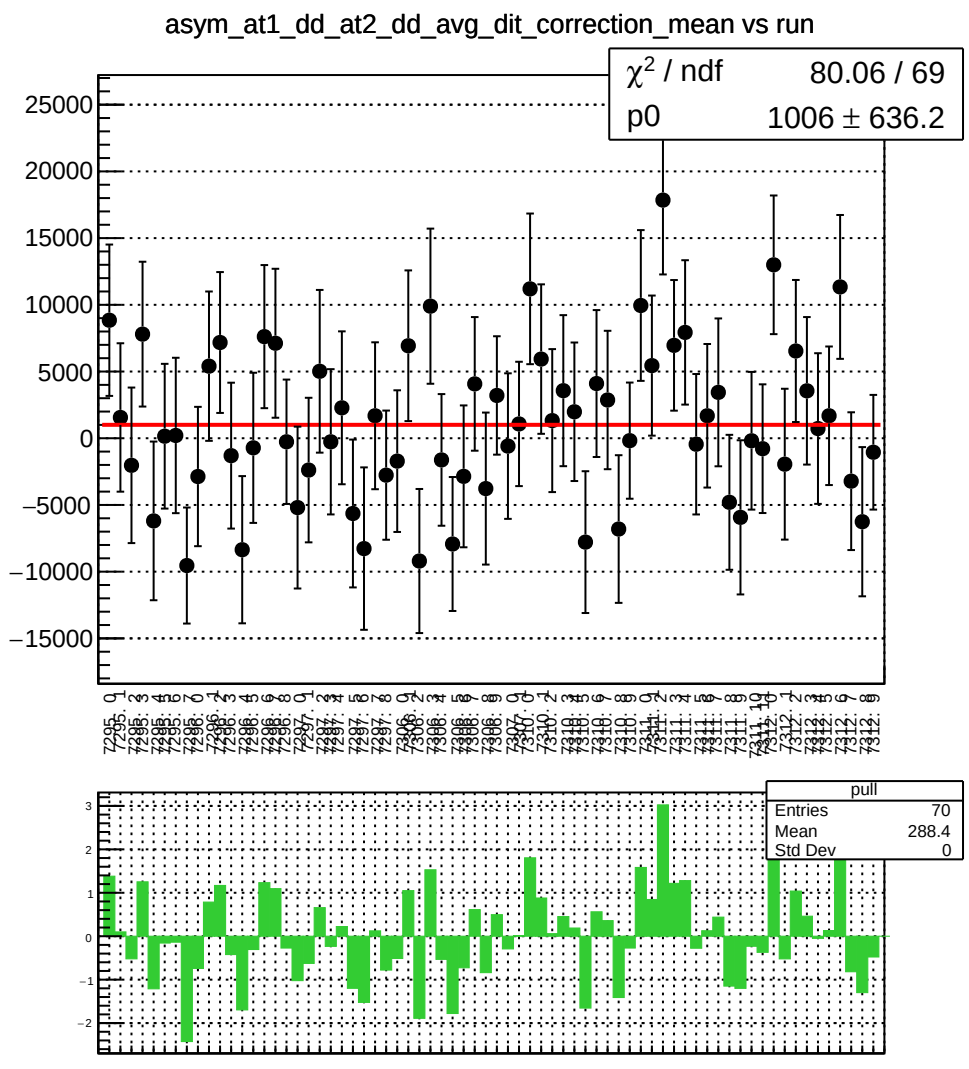

pull1D
Entries 70
Mean 0.01188
Std Dev 1.032

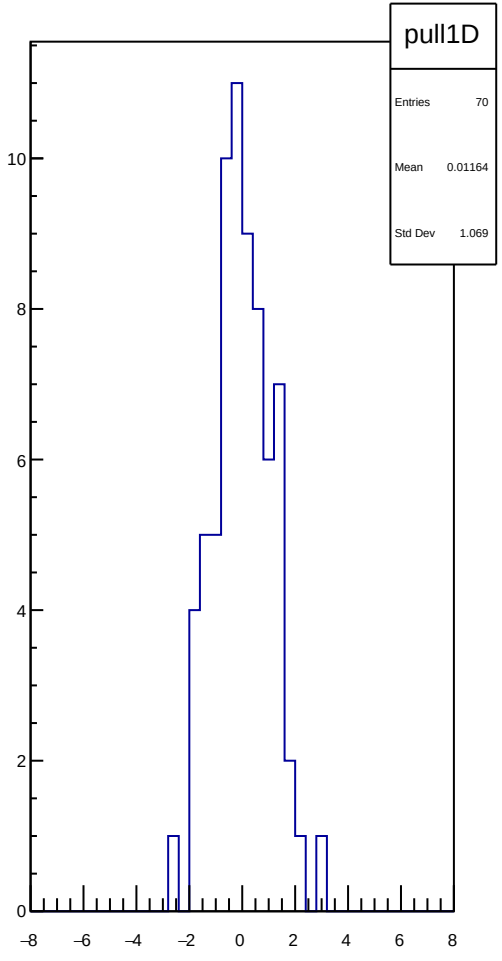

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7379 / 69
p0 561 ± 0.4899
700
650
600
550
500

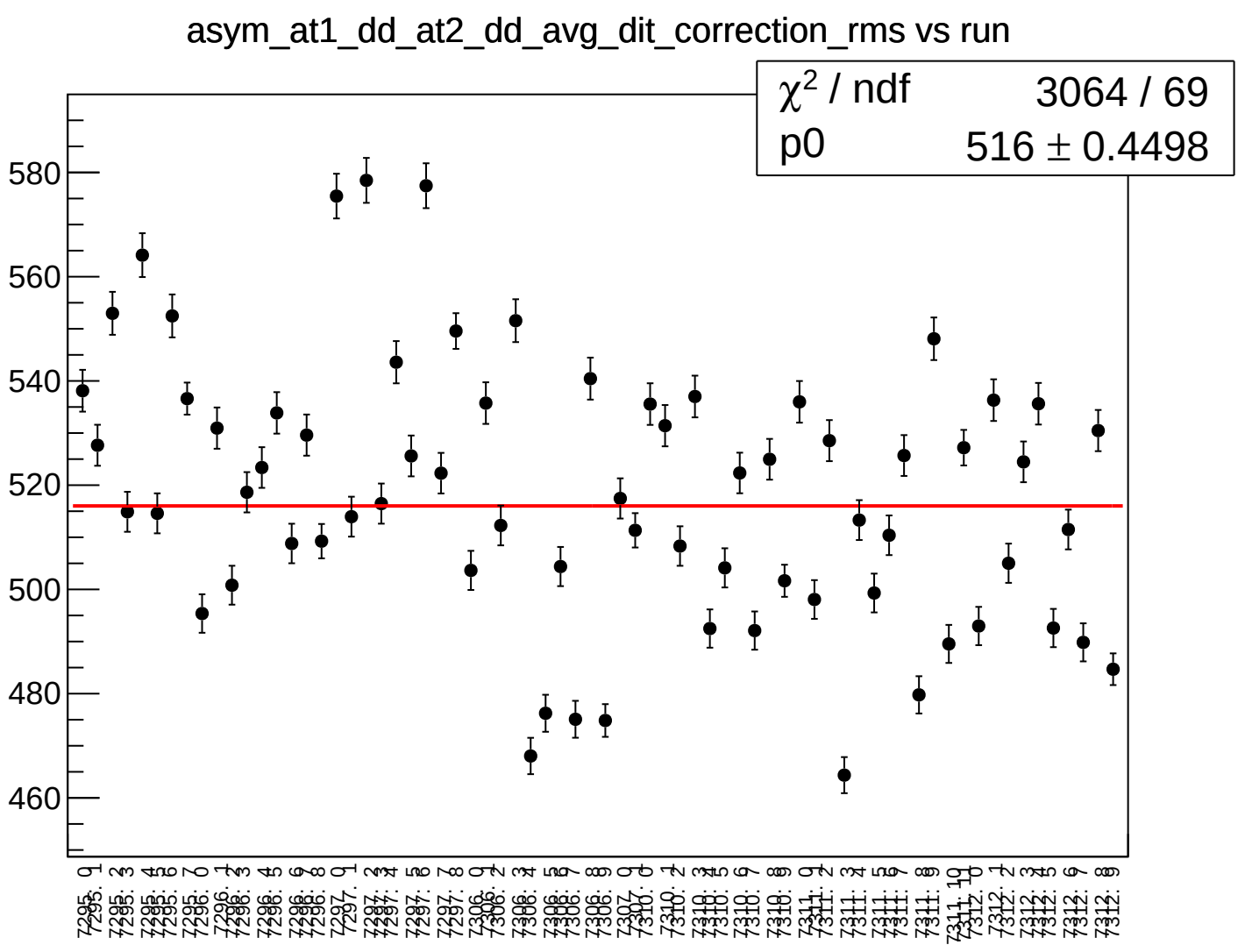

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 84.91 / 69
p0 −354.7 ± 1533
pull
Entries 70
Mean 238.8
Std Dev 0

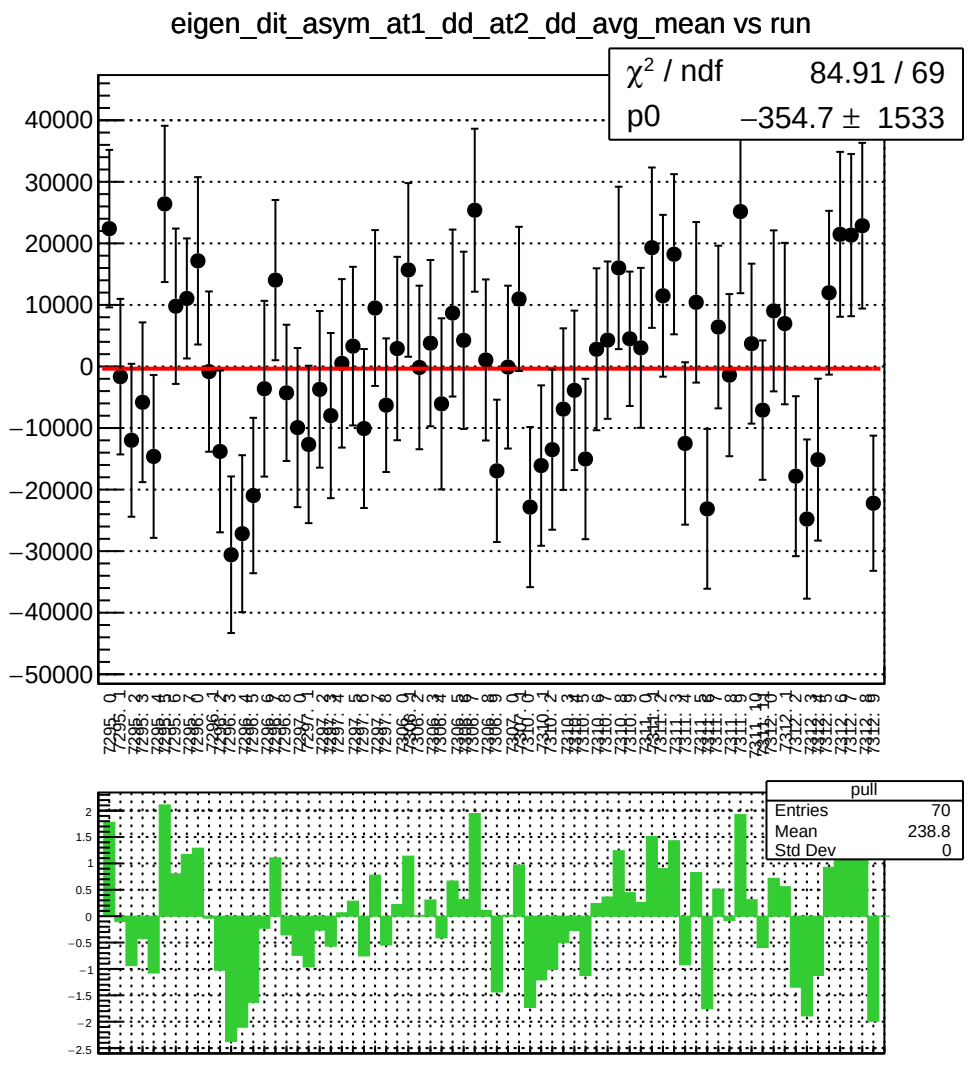

pull1D
Entries 70
Mean 0.01031
Std Dev 1.101

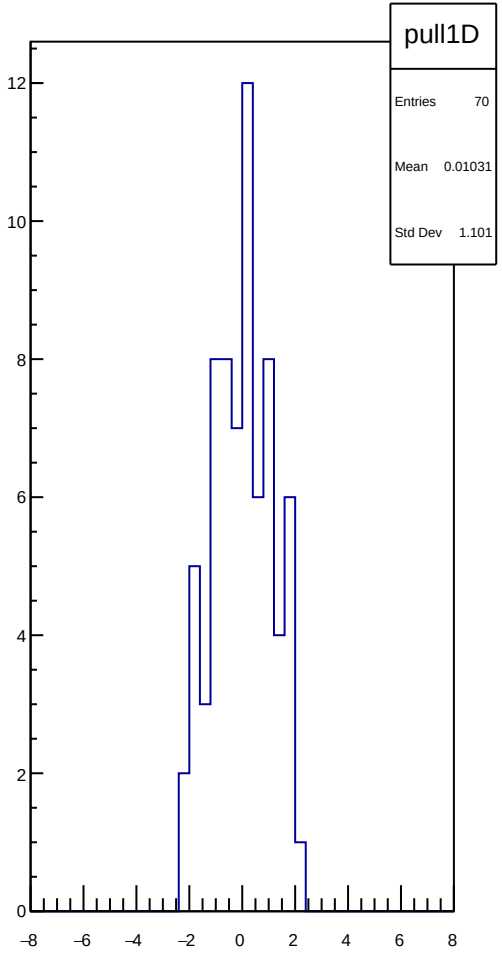

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1189 / 69
p0 1244 ± 1.084
1400
1350
1300
1250
1200
1150

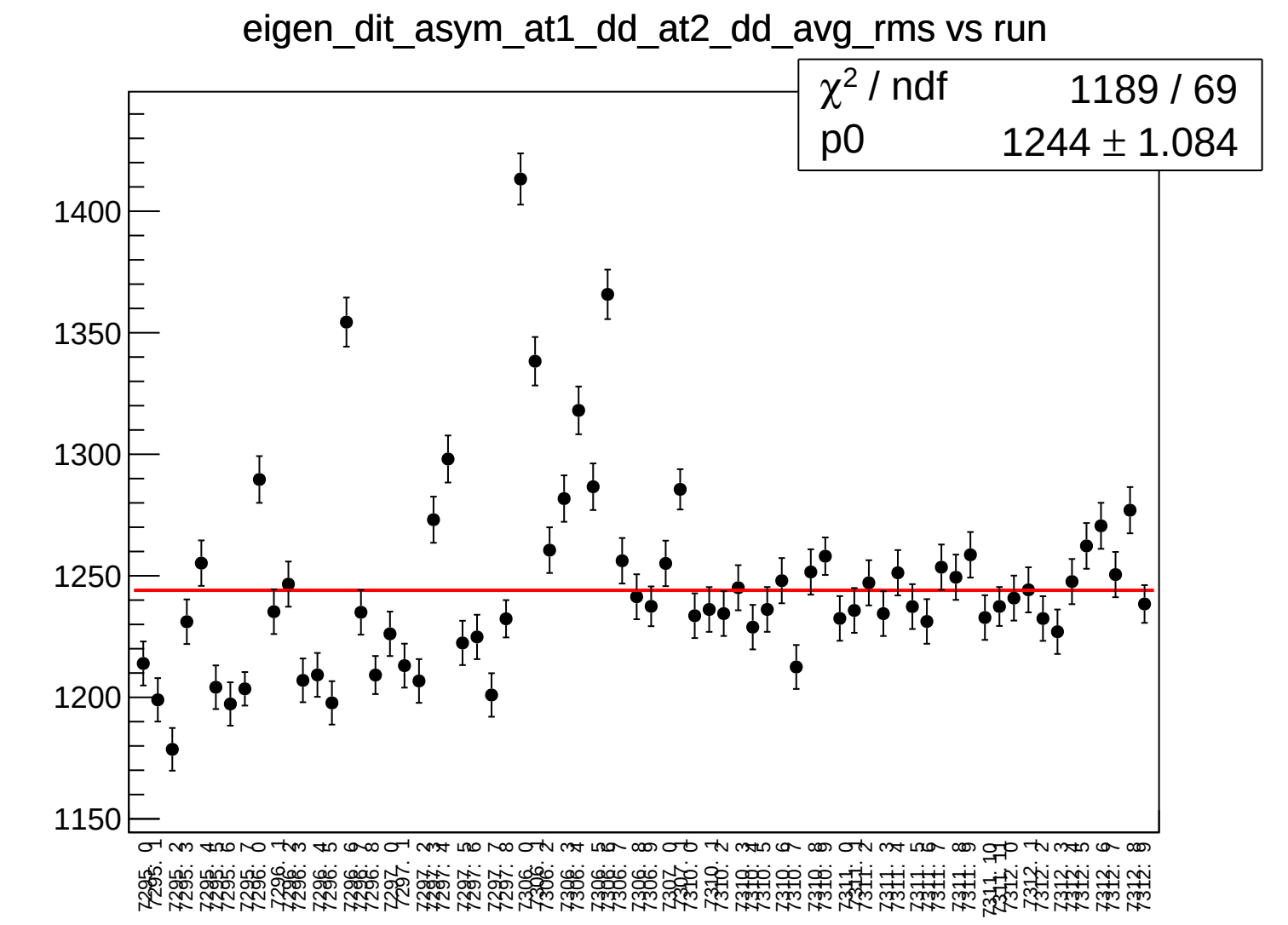

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 80.06 / 69
p0 1006 ± 636.2
pull
Entries 70
Mean 288.4
Std Dev 0

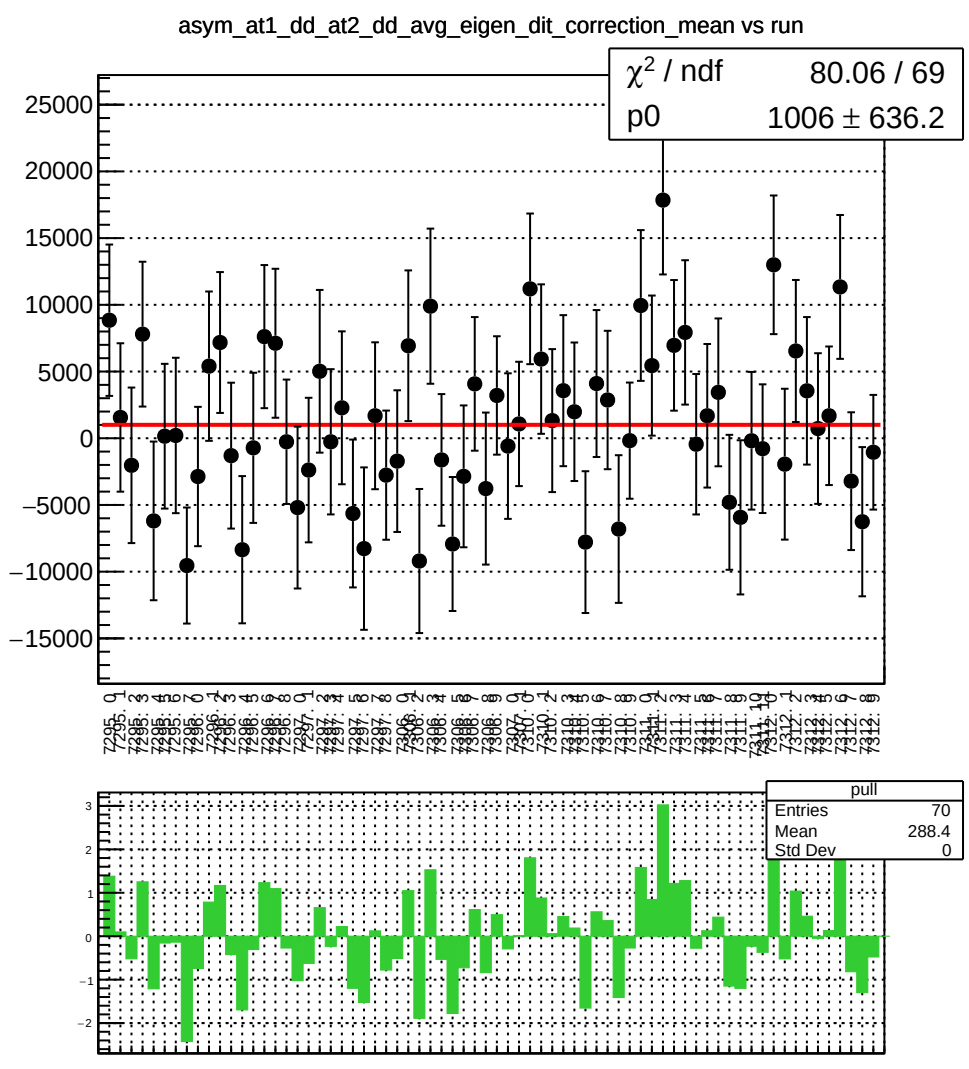

pull1D
Entries 70
Mean 0.01164
Std Dev 1.069

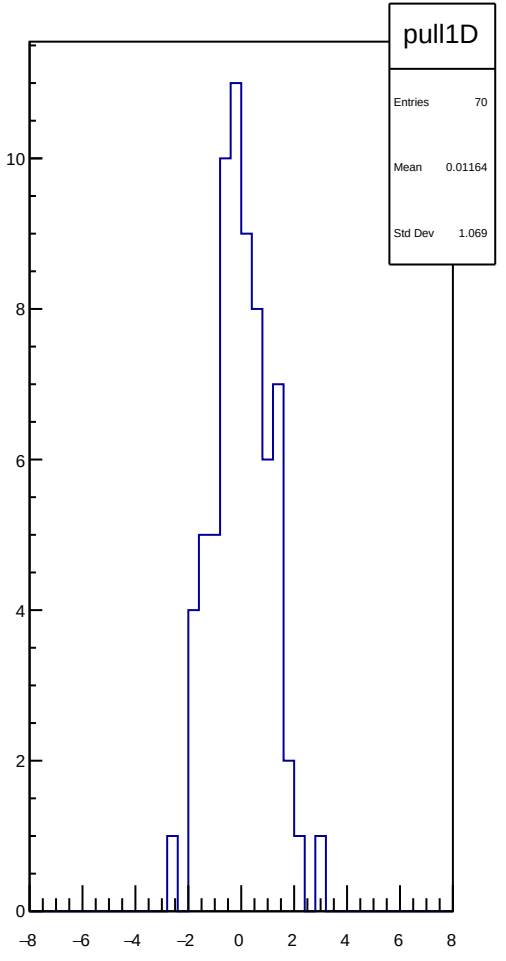

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 3064 / 69
p0 516 ± 0.4498
580
560
540
520
500
480
460

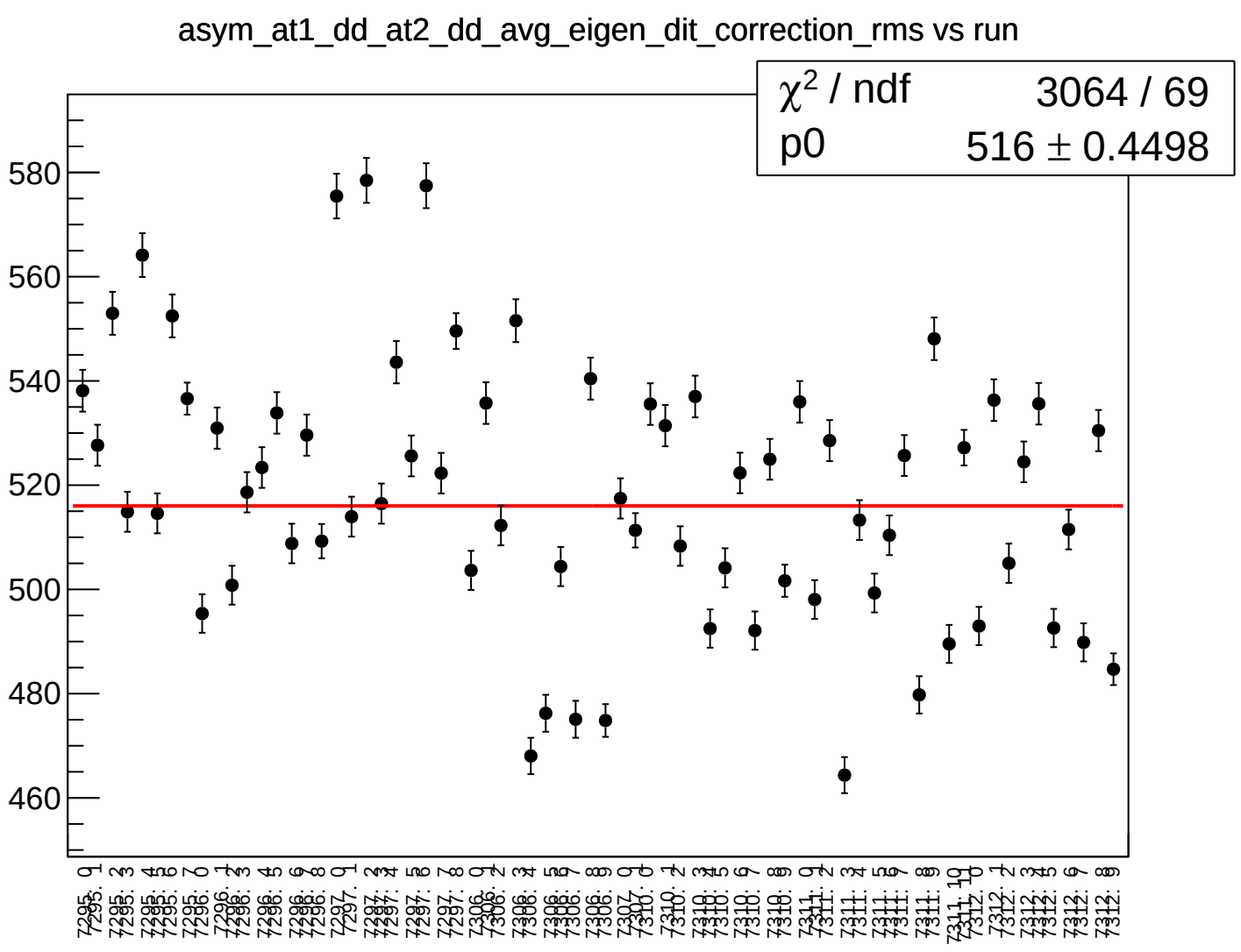

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 84.91 / 69
p0 −354.7 ± 1533
pull
Entries 70
Mean 238.8
Std Dev 0

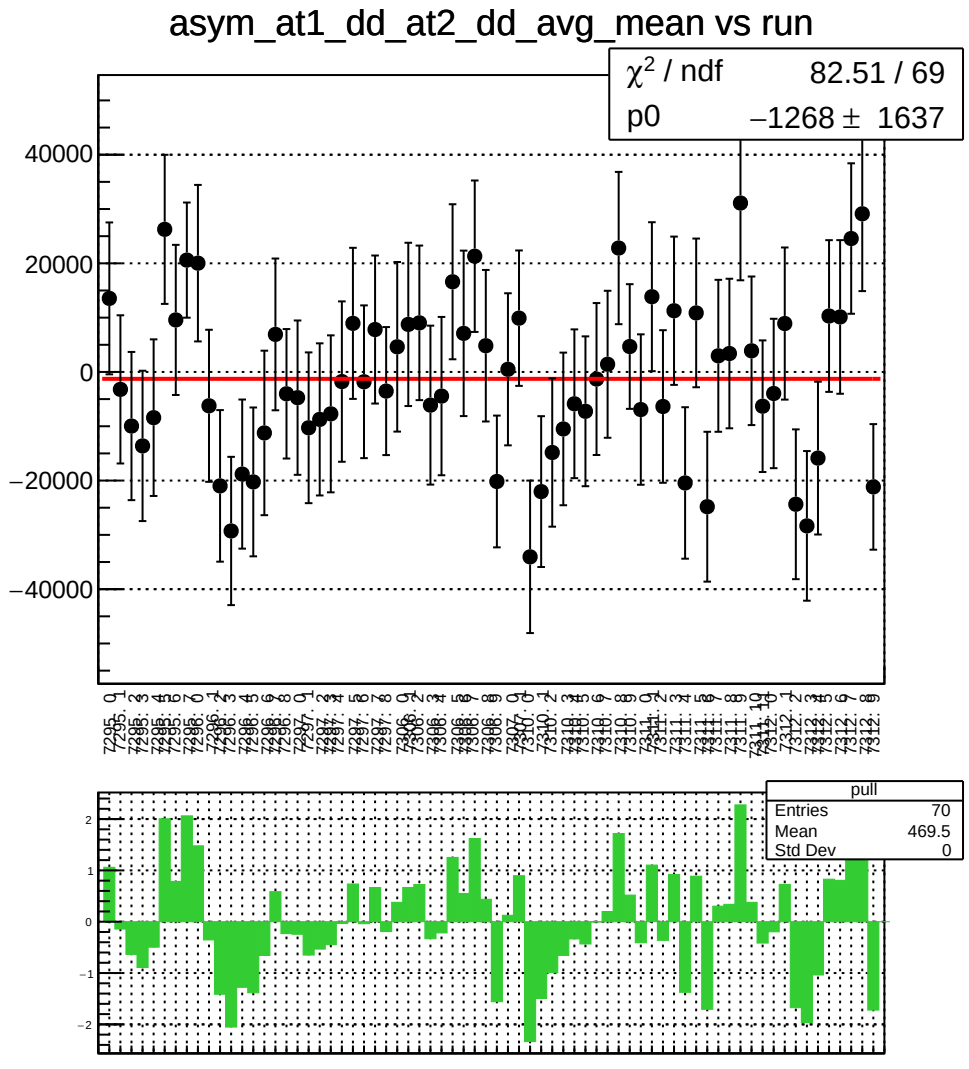

pull1D
Entries 70
Mean 0.01031
Std Dev 1.101

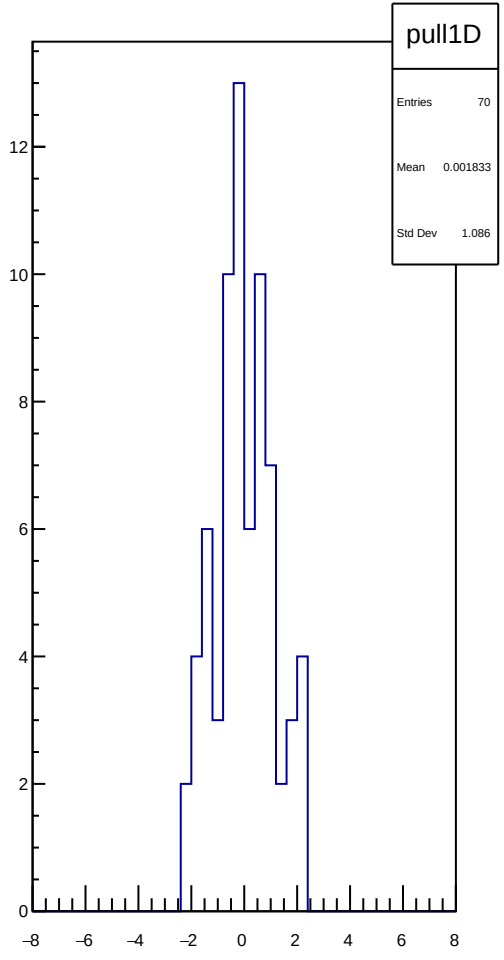

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1189 / 69
p0 1244 ± 1.084
1400
1350
1300
1250
1200
1150

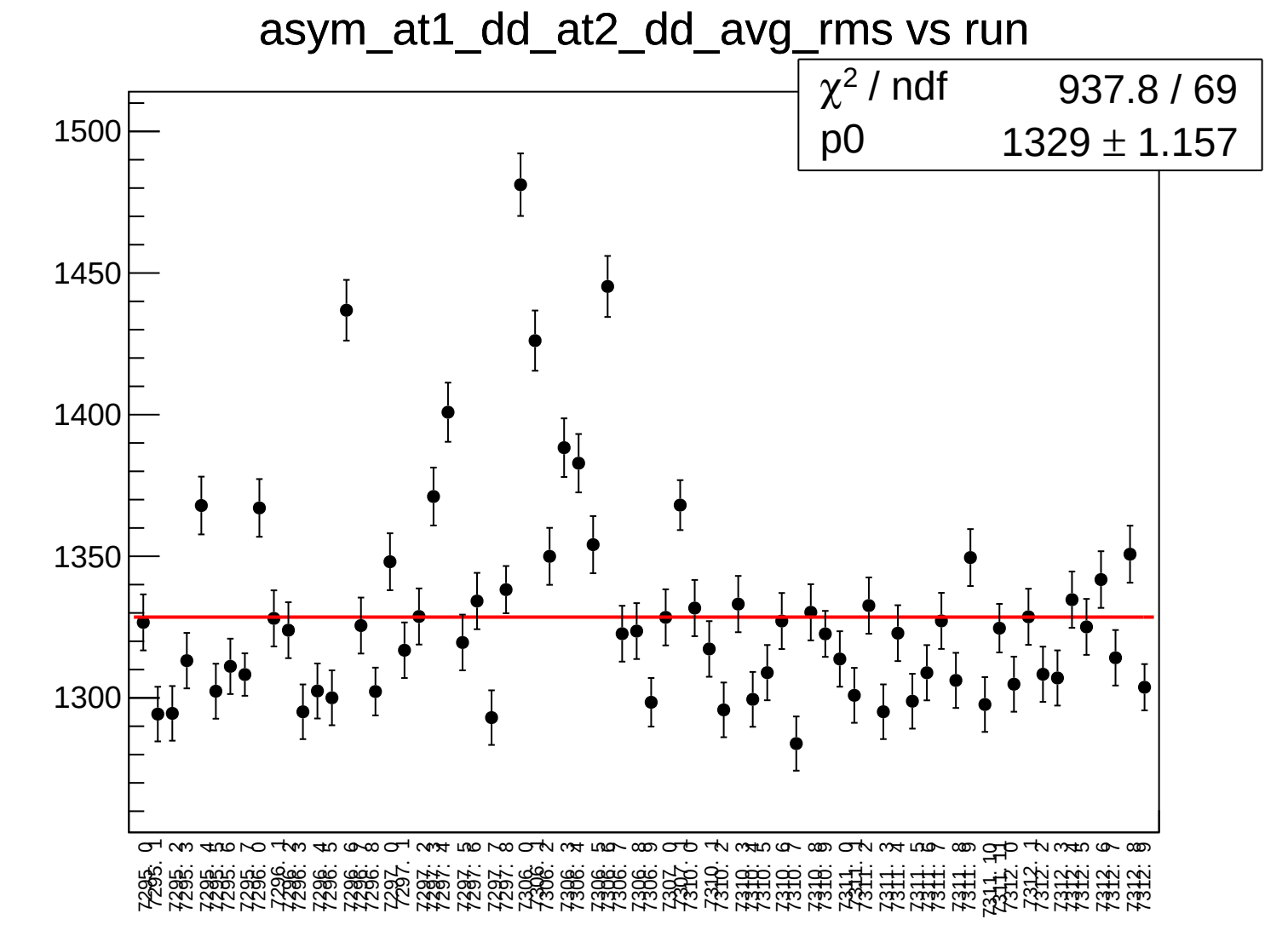

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 80.06 / 69
p0 1006 ± 636.2
pull
Entries 70
Mean 288.4
Std Dev 0

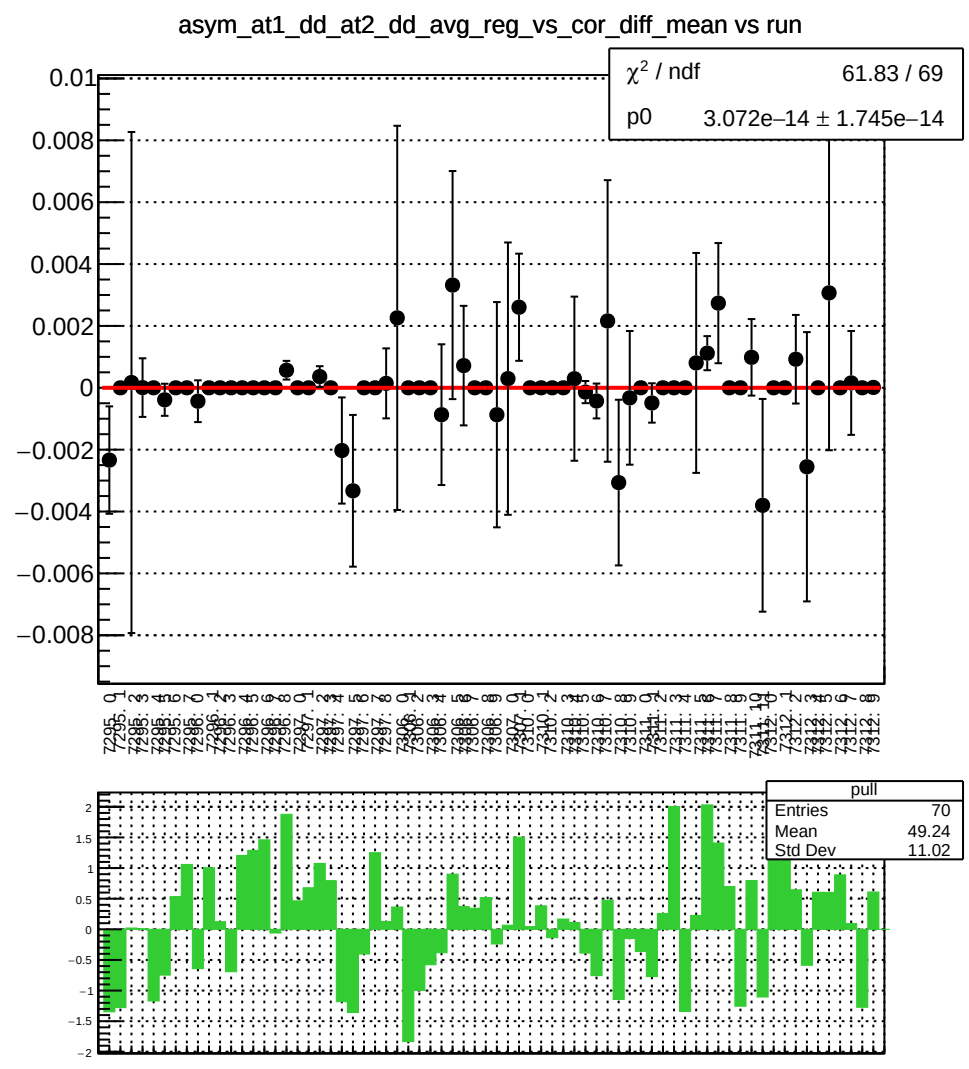

pull1D
Entries 70
Mean 0.01164
Std Dev 1.069

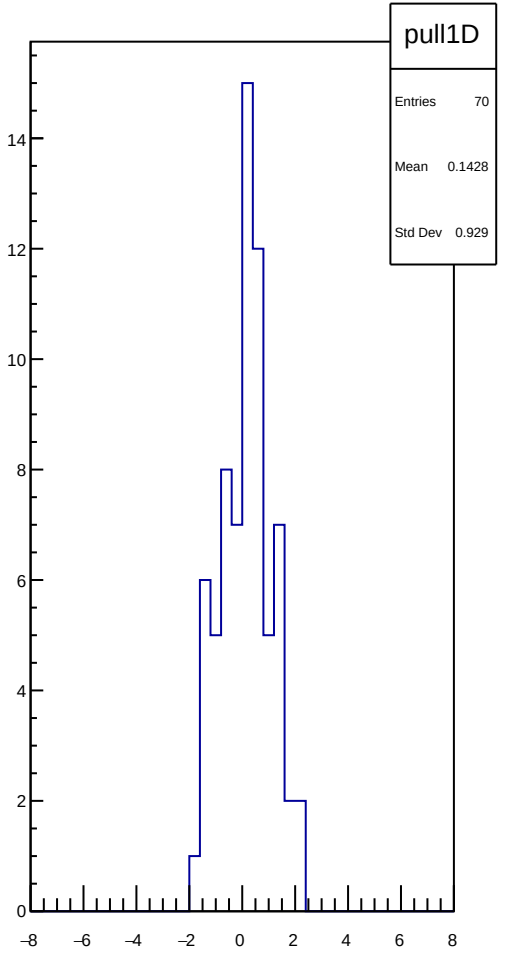

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3064 / 69
p0 516 ± 0.4498
580
560
540
520
500
480
460

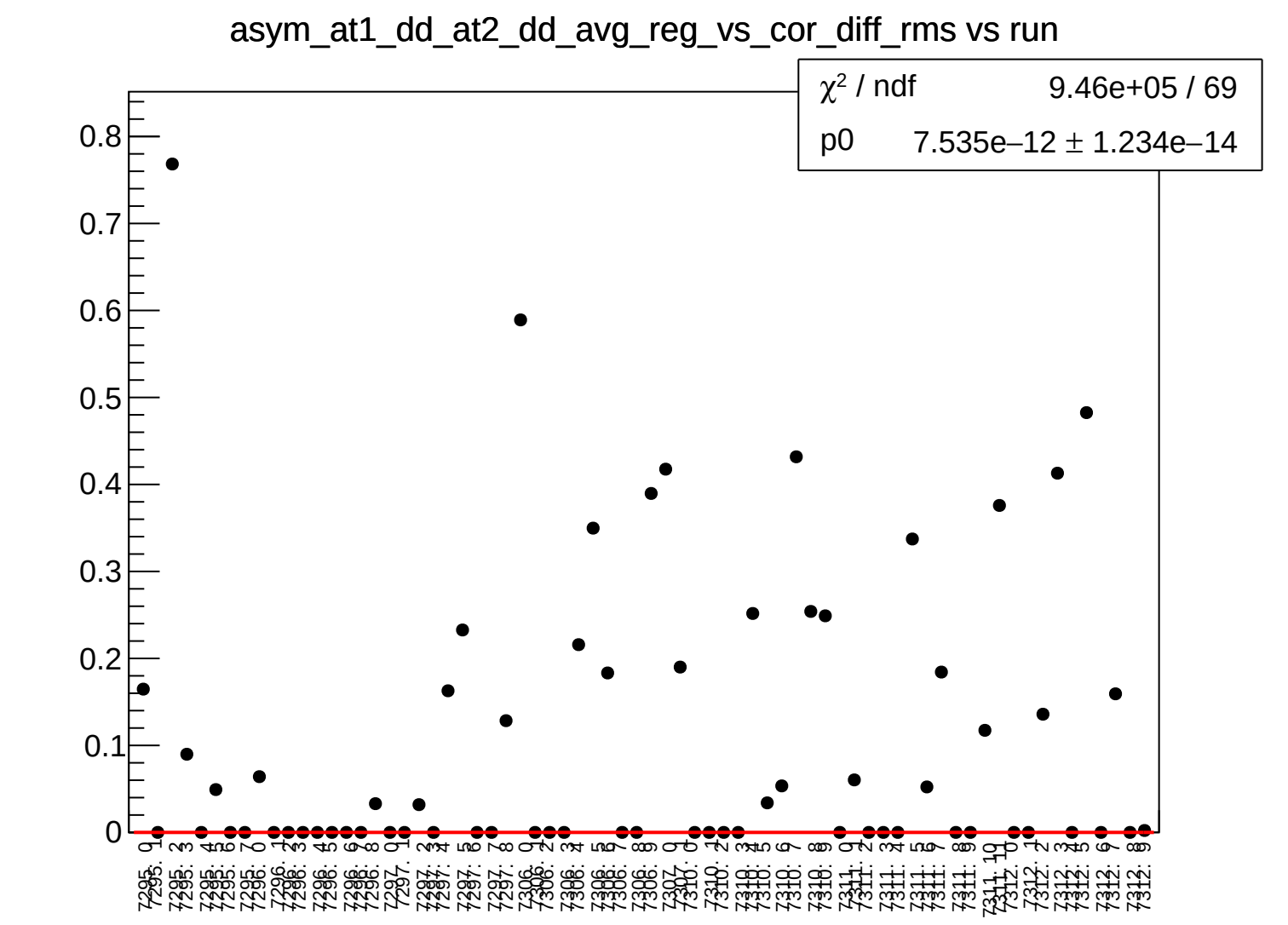

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 82.51 / 69
p0 −1268 ± 1637
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 469.5
Std Dev 0
2
1
0
−1
−2

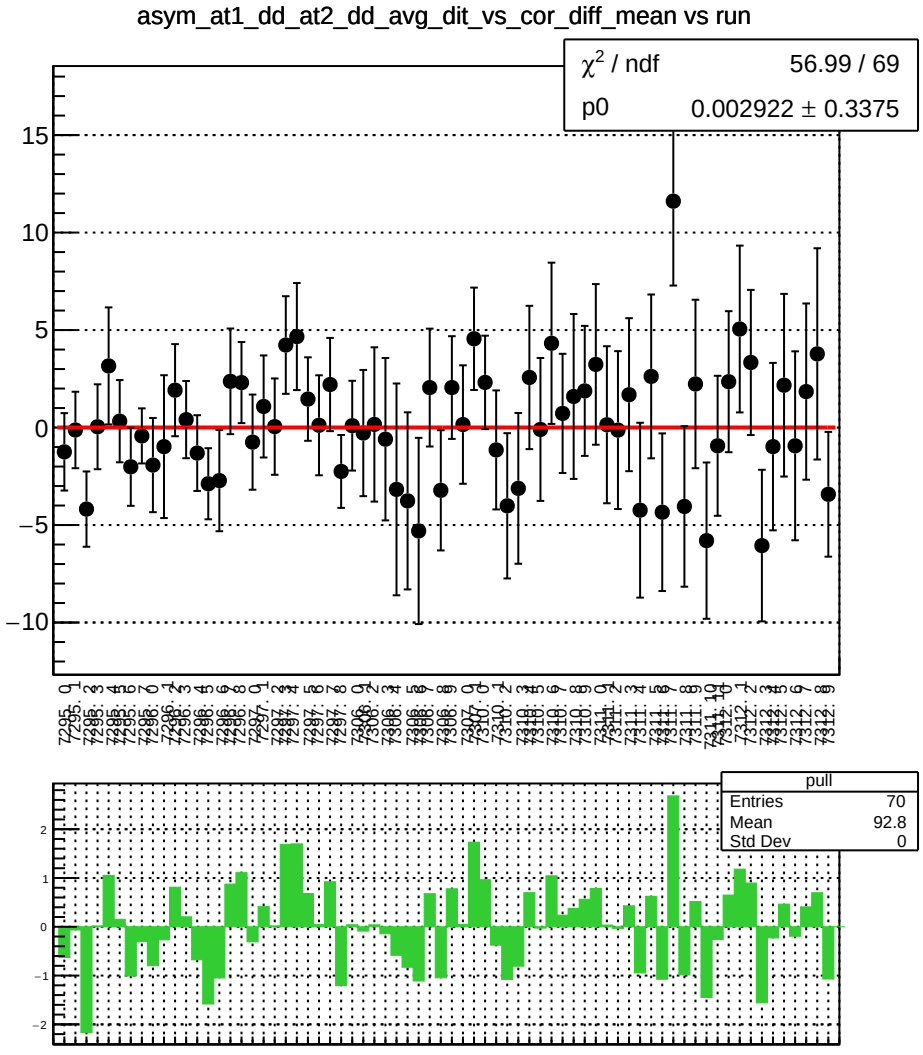

pull1D
Entries 70
Mean 0.001833
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

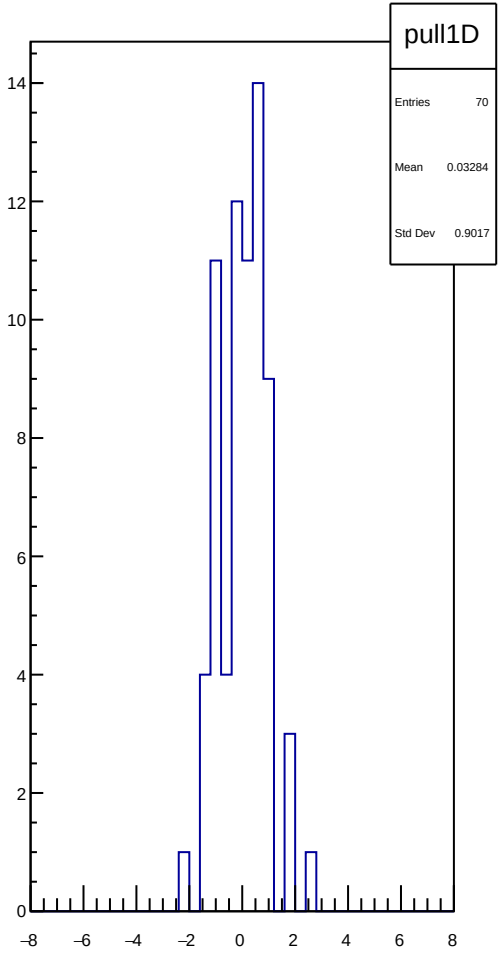

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 937.8 / 69
p0 1329 ± 1.157
1500
1450
1400
1350
1300

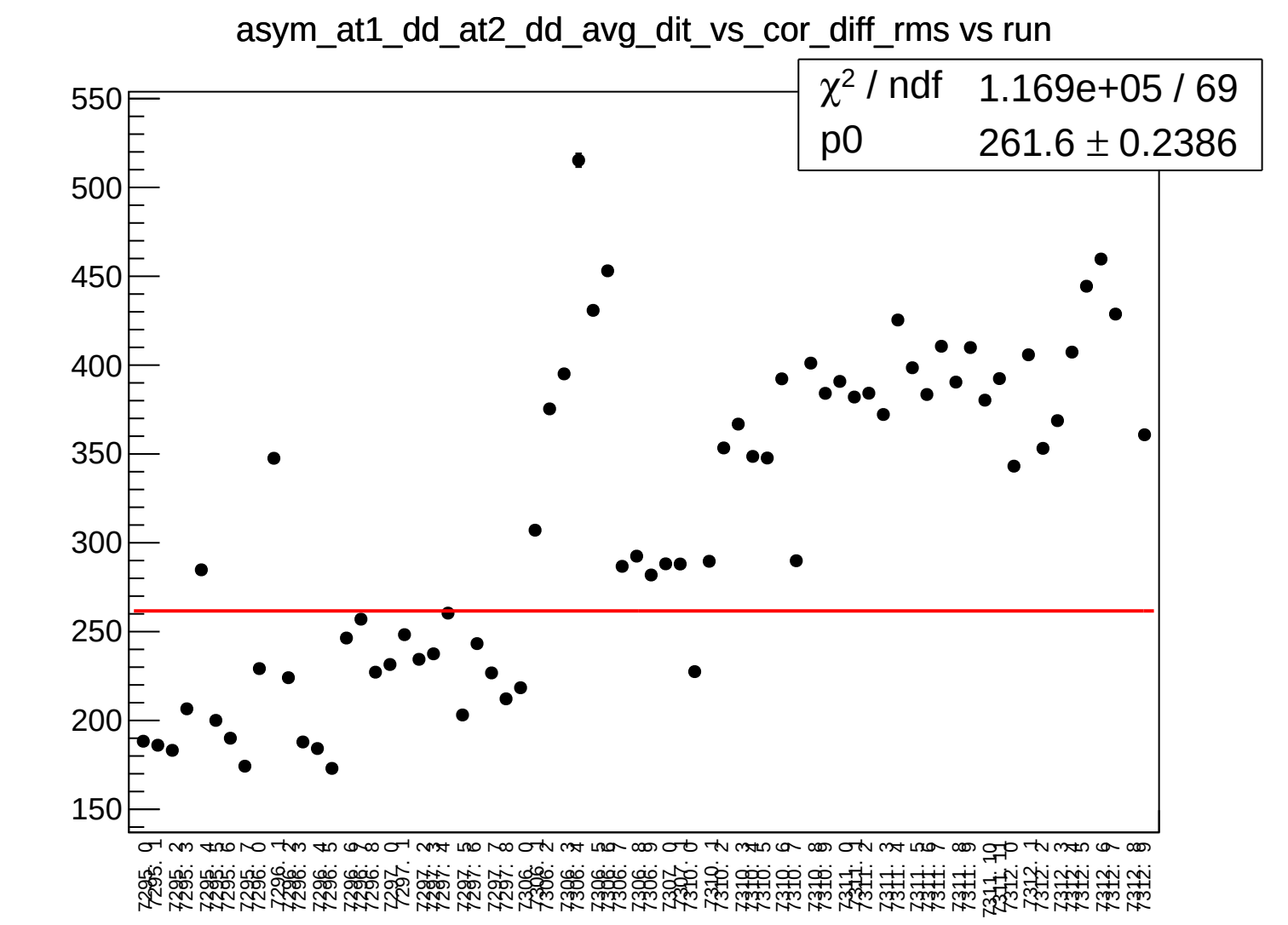

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.83 / 69
p0 3.072e−14 ± 1.745e−14
pull
Entries 70
Mean 49.24
Std Dev 11.02

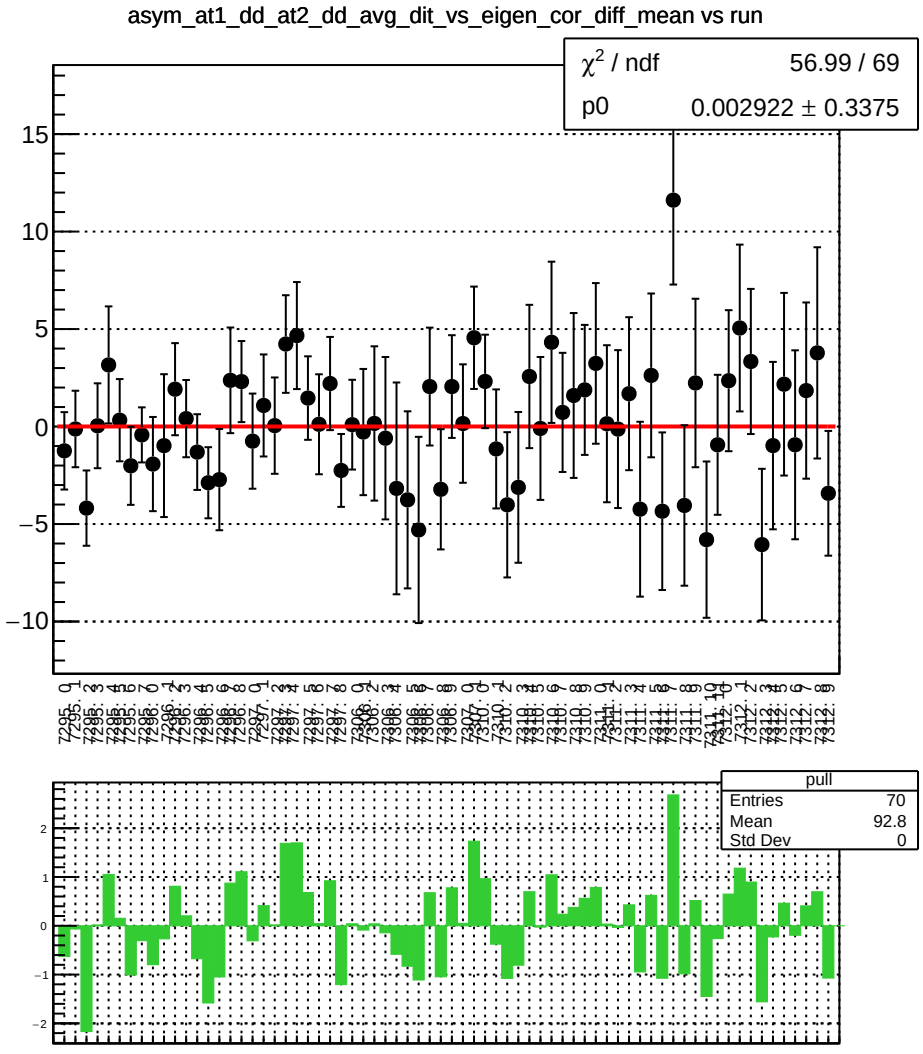

pull1D
Entries 70
Mean 0.1428
Std Dev 0.929

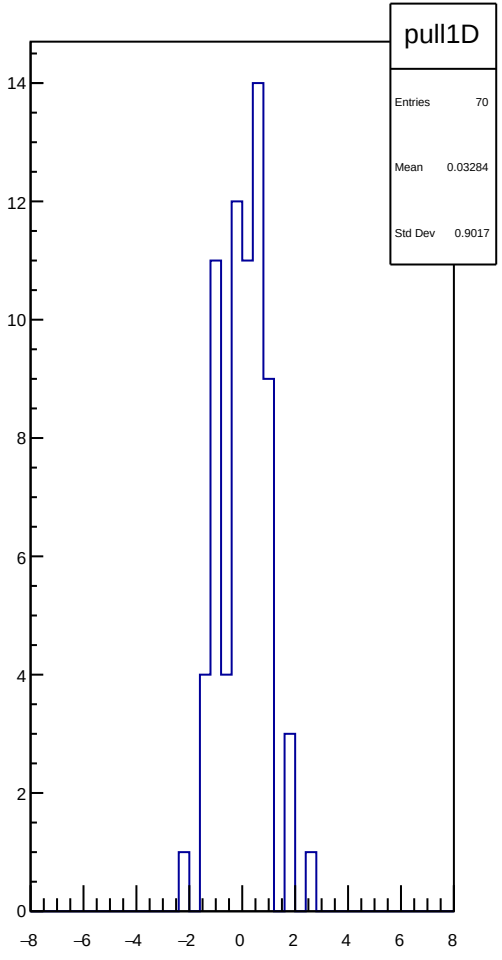

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.46e+05 / 69
p0 7.535e−12 ± 1.234e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

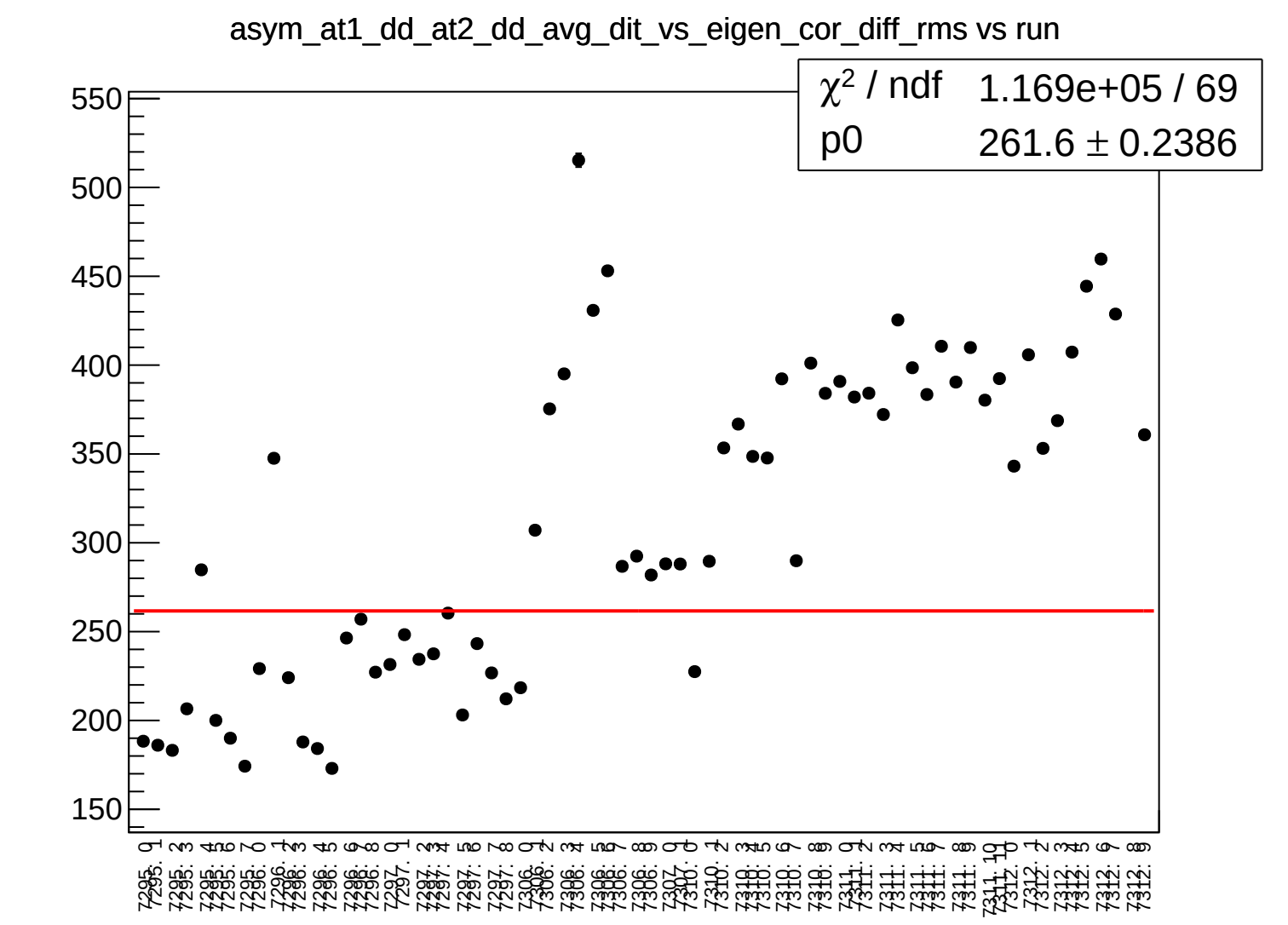

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

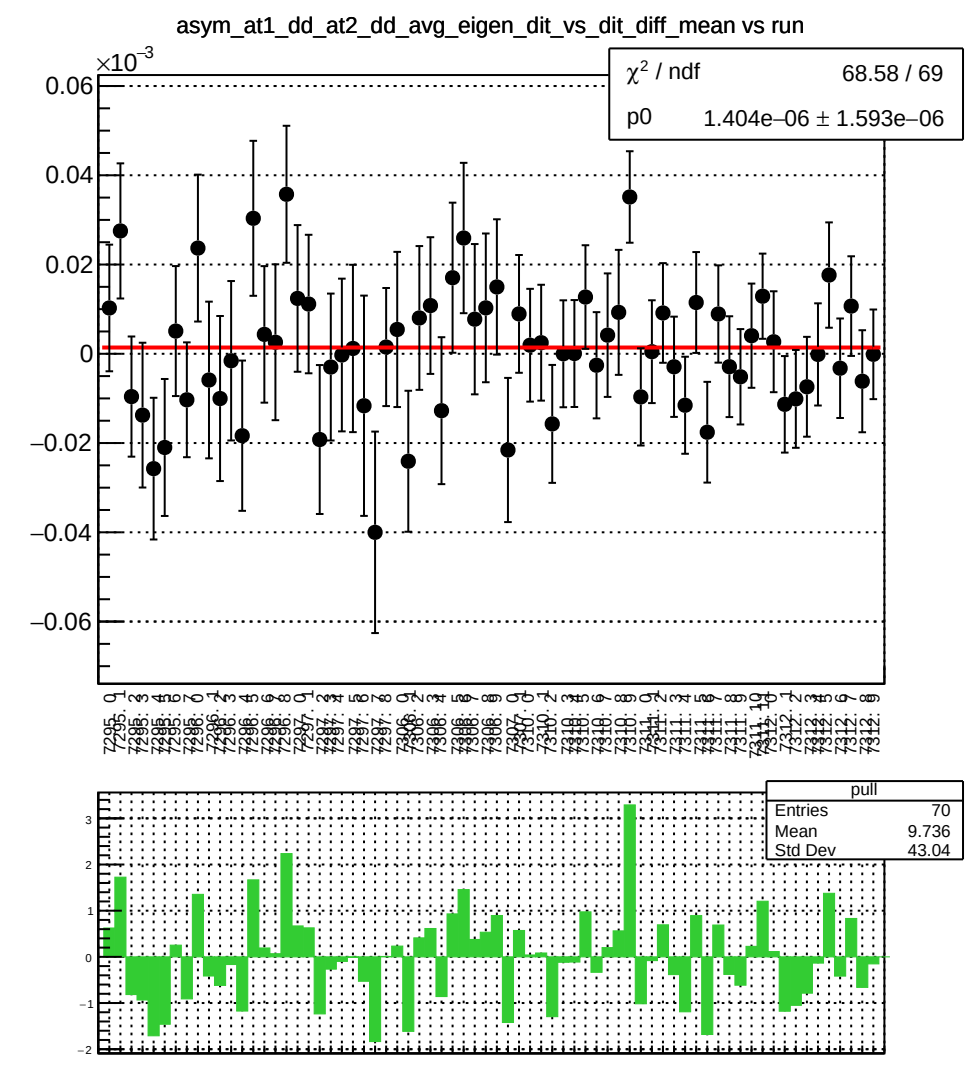

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

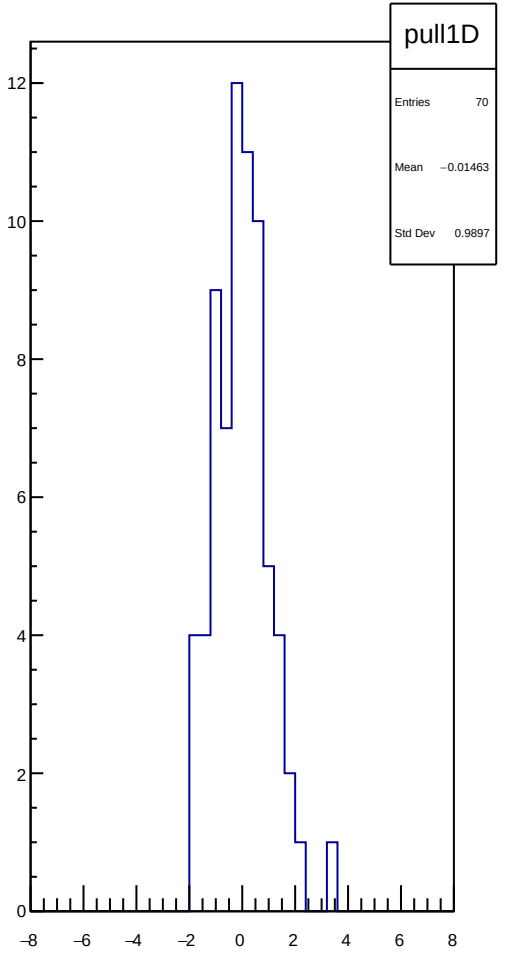

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

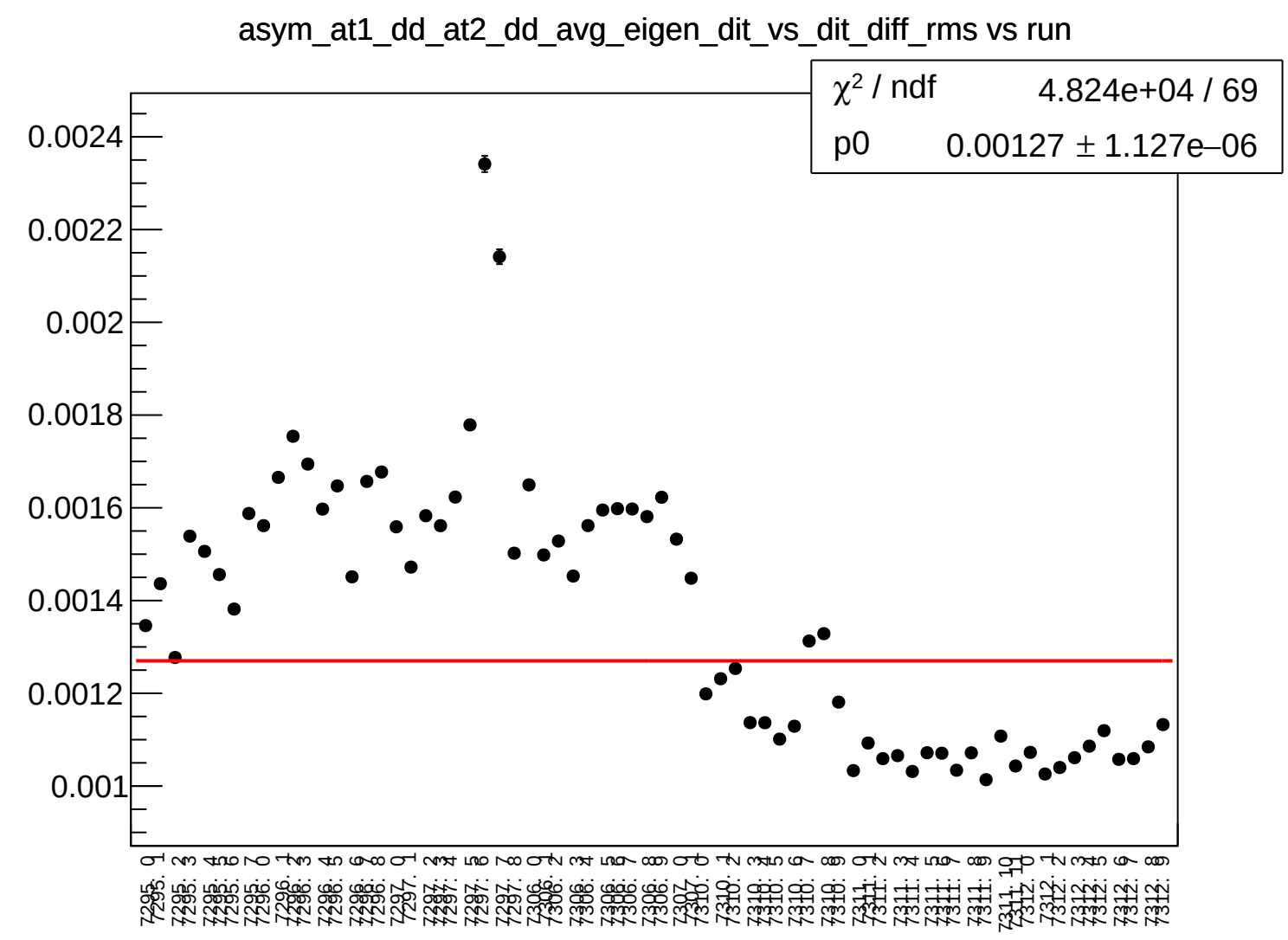

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

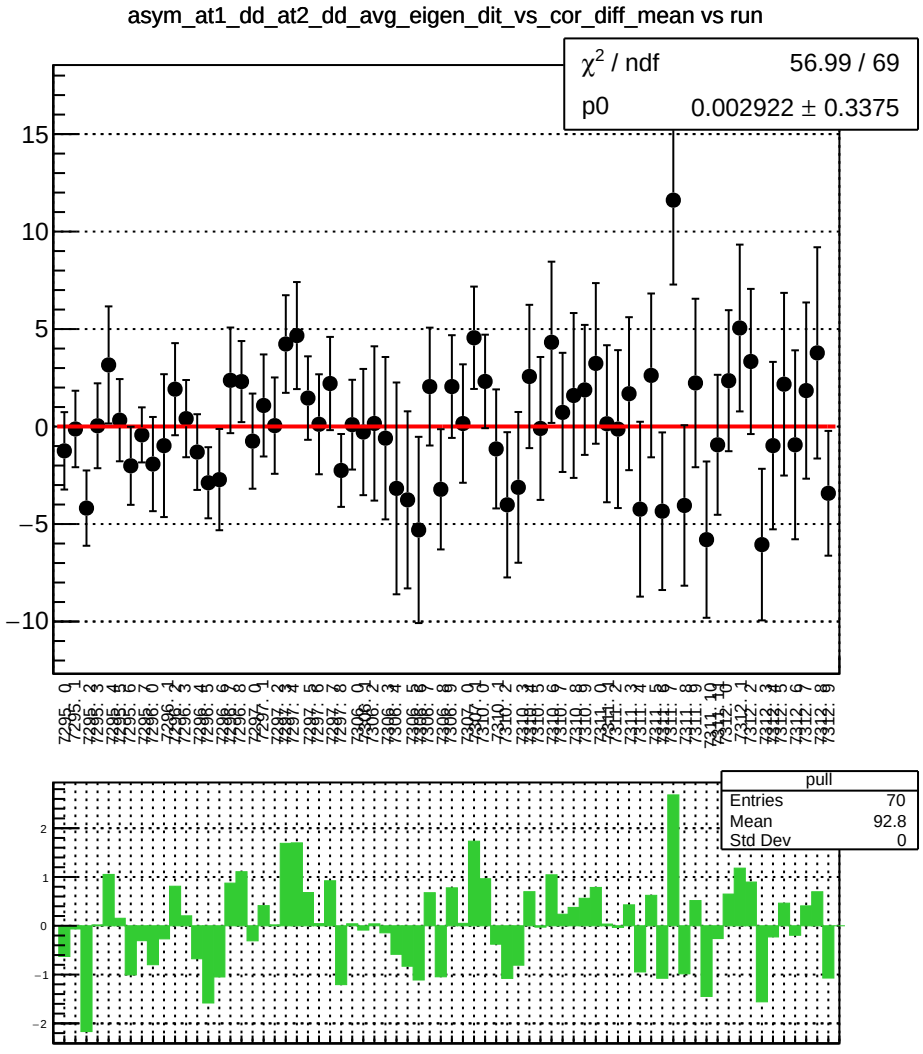

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

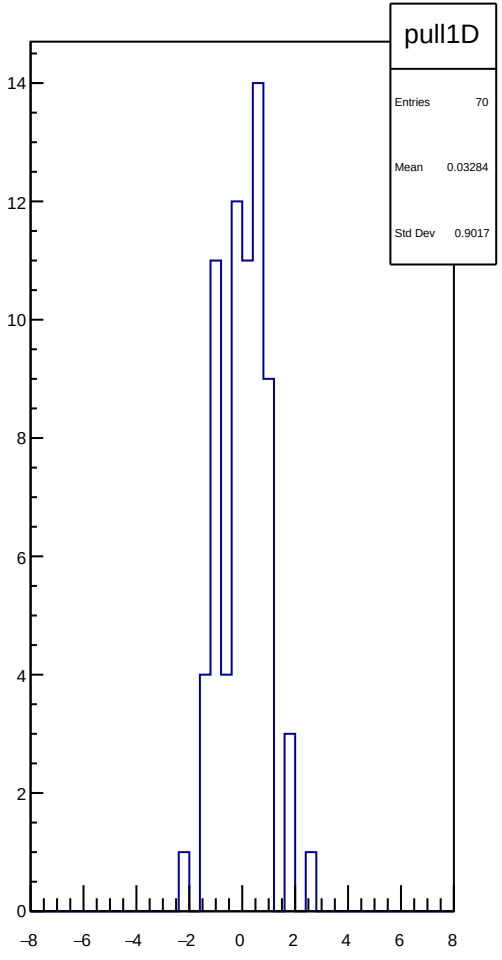

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

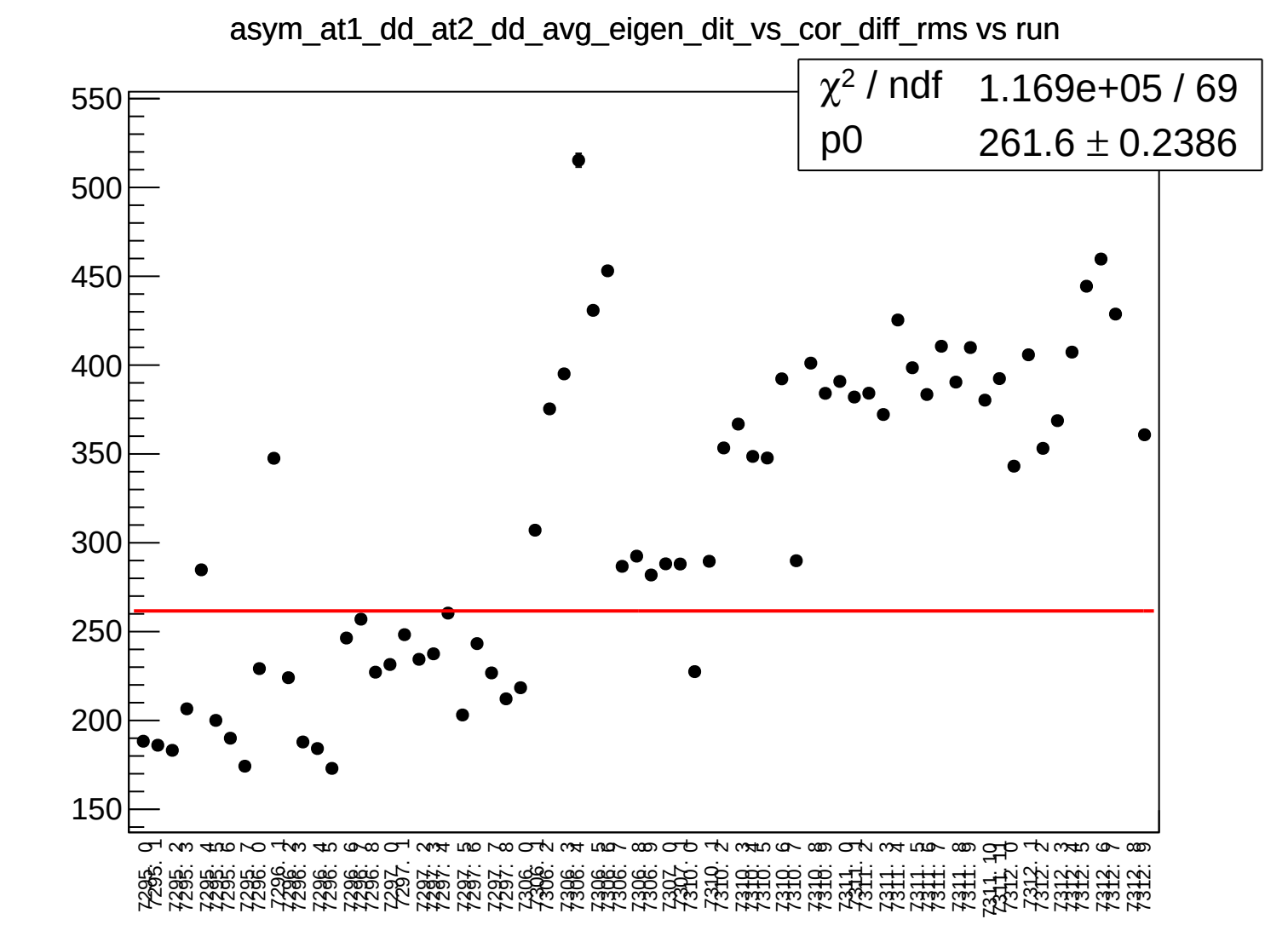

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.58 / 69
p0 1.404e−06 ± 1.593e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 70
Mean 9.736
Std Dev 43.04
3
2
1
0
−1
−2

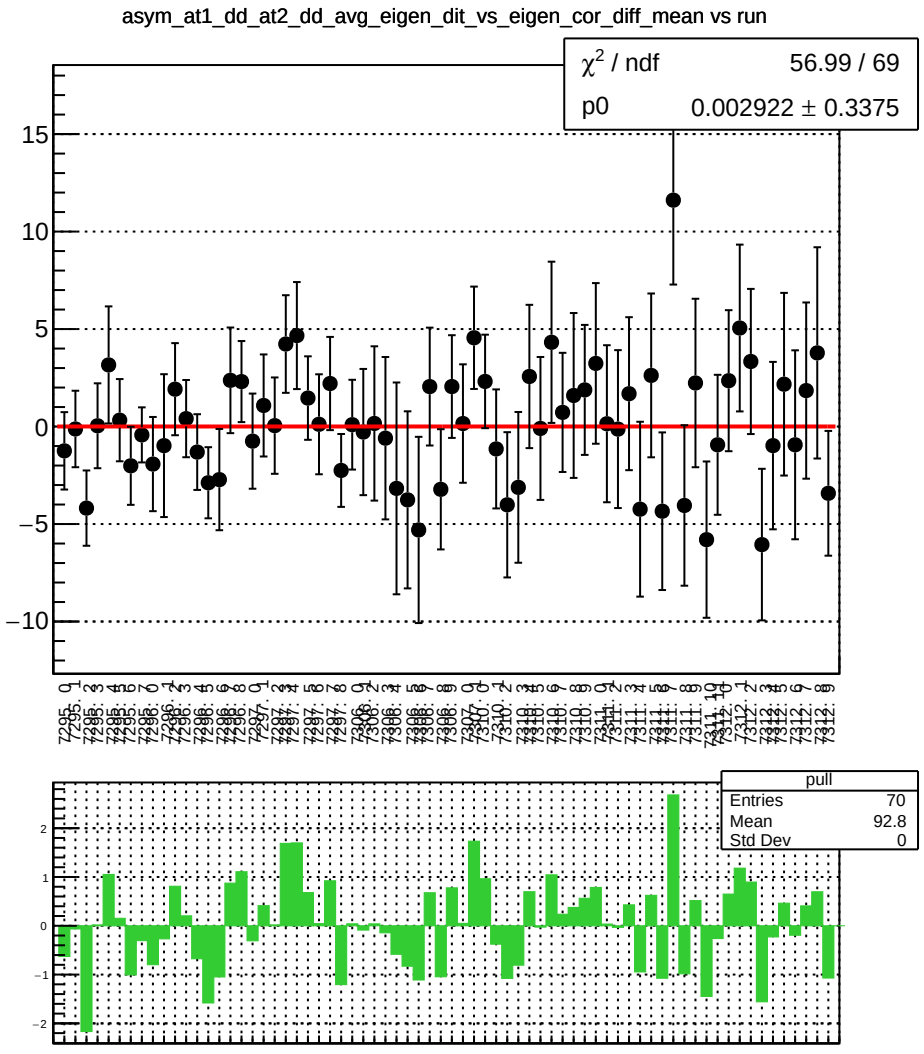

pull1D
Entries 70
Mean −0.01463
Std Dev 0.9897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

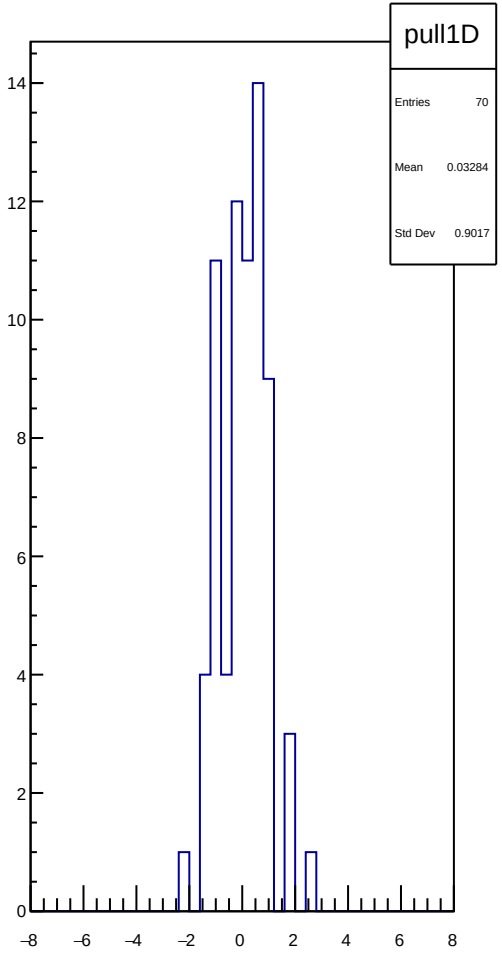

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.824e+04 / 69
p0 0.00127 ± 1.127e–06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001

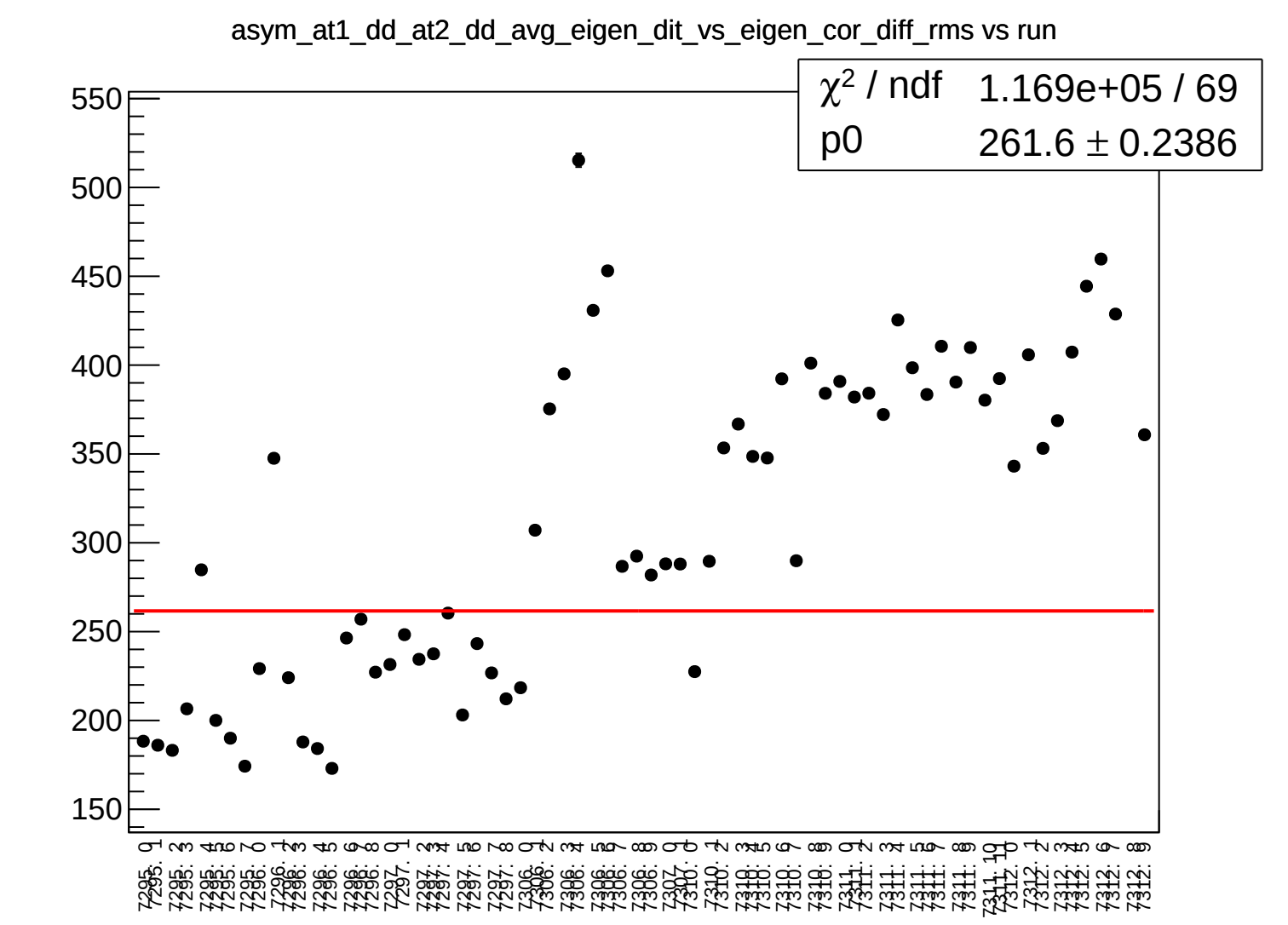

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

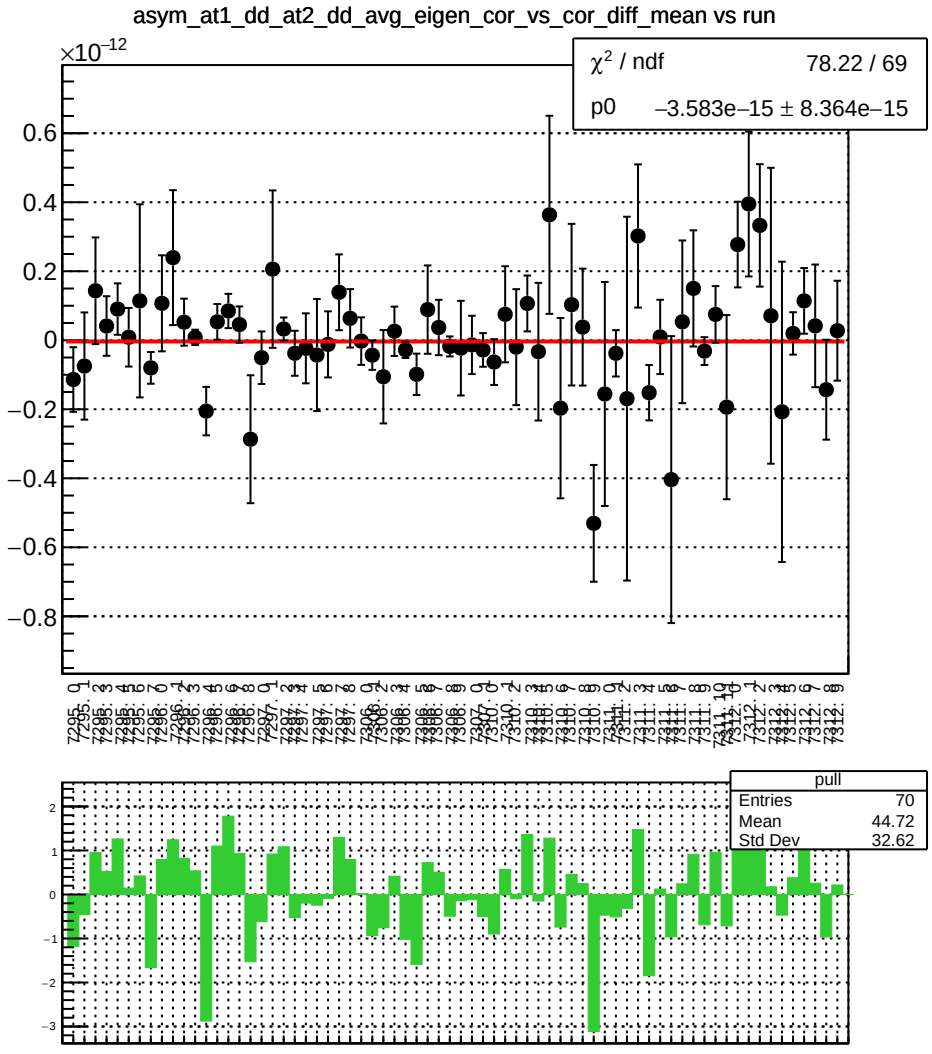

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

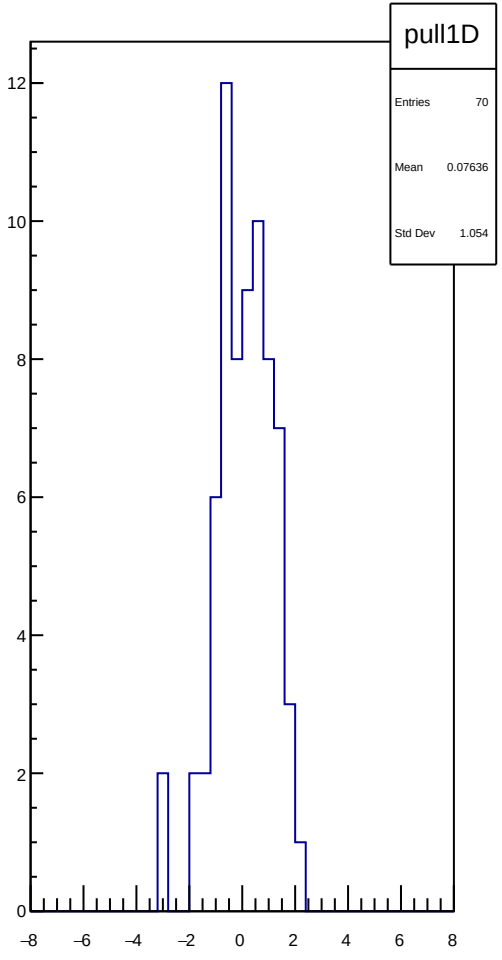

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

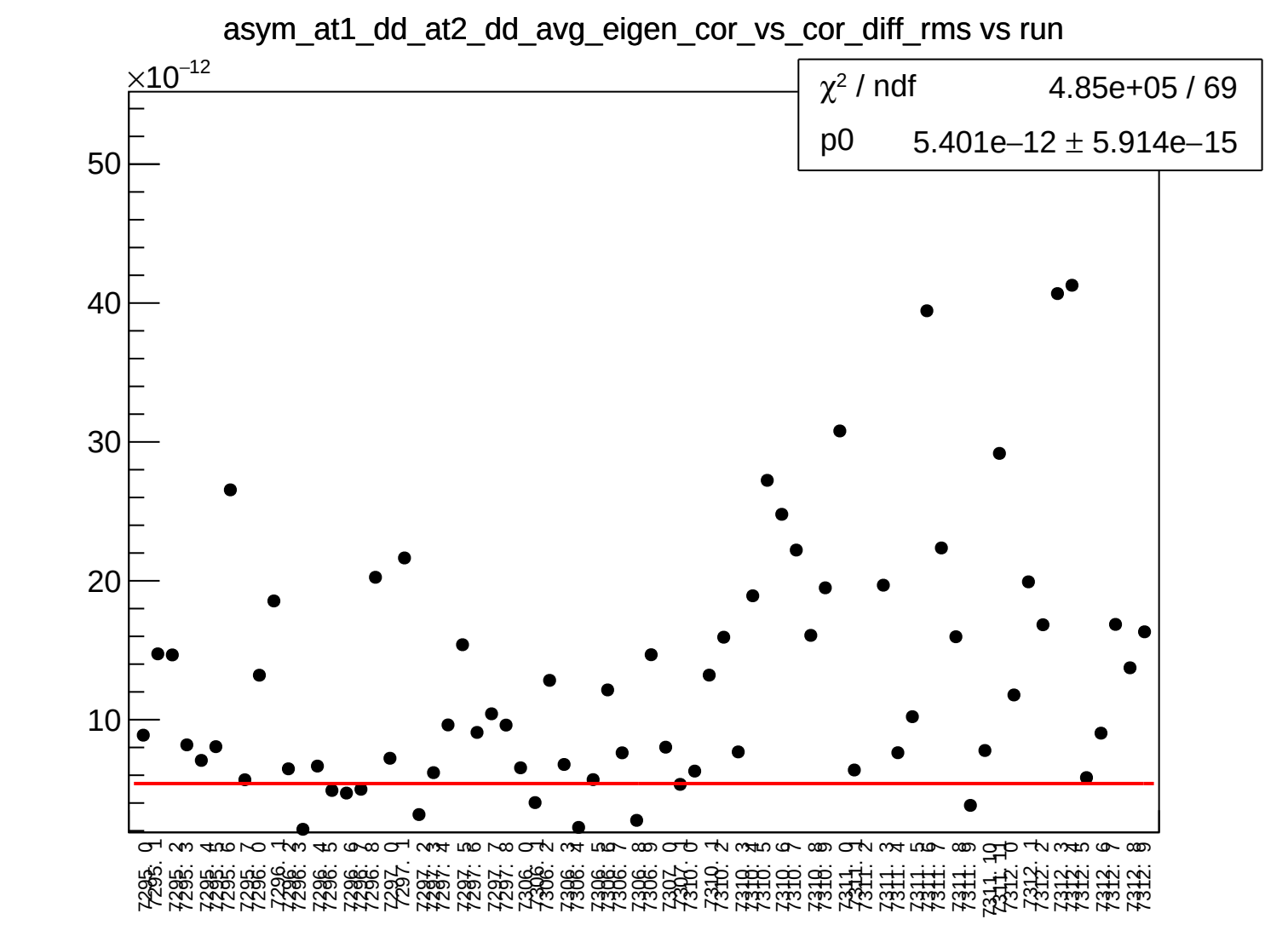

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.99 / 69
p0 0.002922 ± 0.3375
pull
Entries 70
Mean 92.8
Std Dev 0

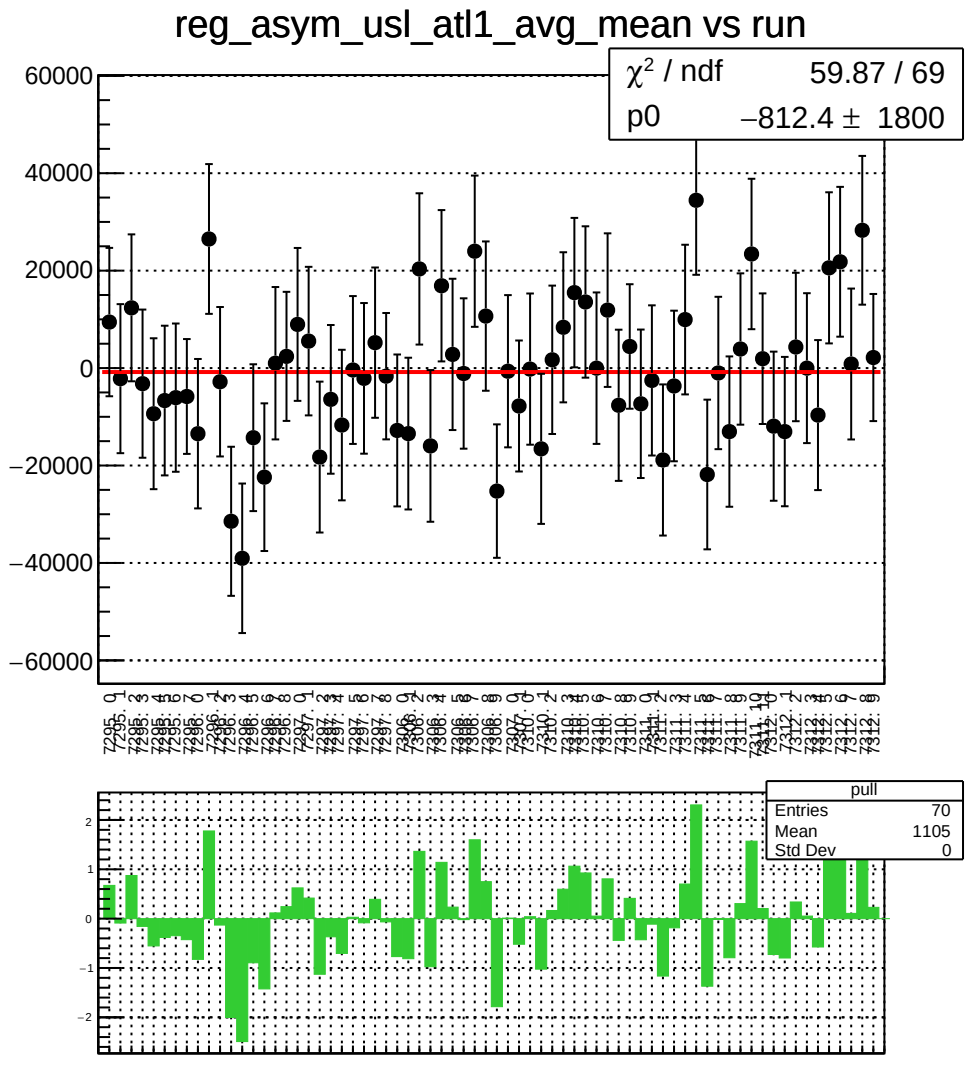

pull1D
Entries 70
Mean 0.03284
Std Dev 0.9017

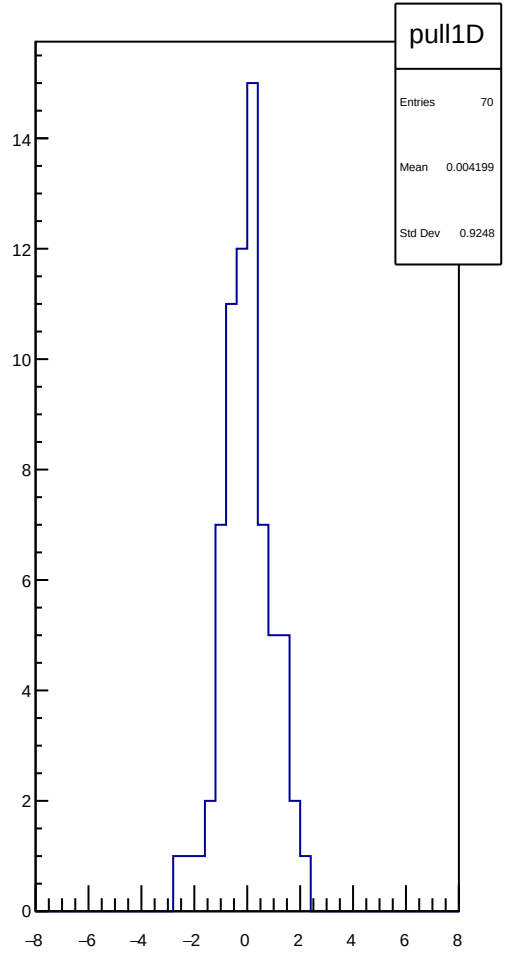

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 69
p0 261.6 ± 0.2386
550
500
450
400
350
300
250
200
150

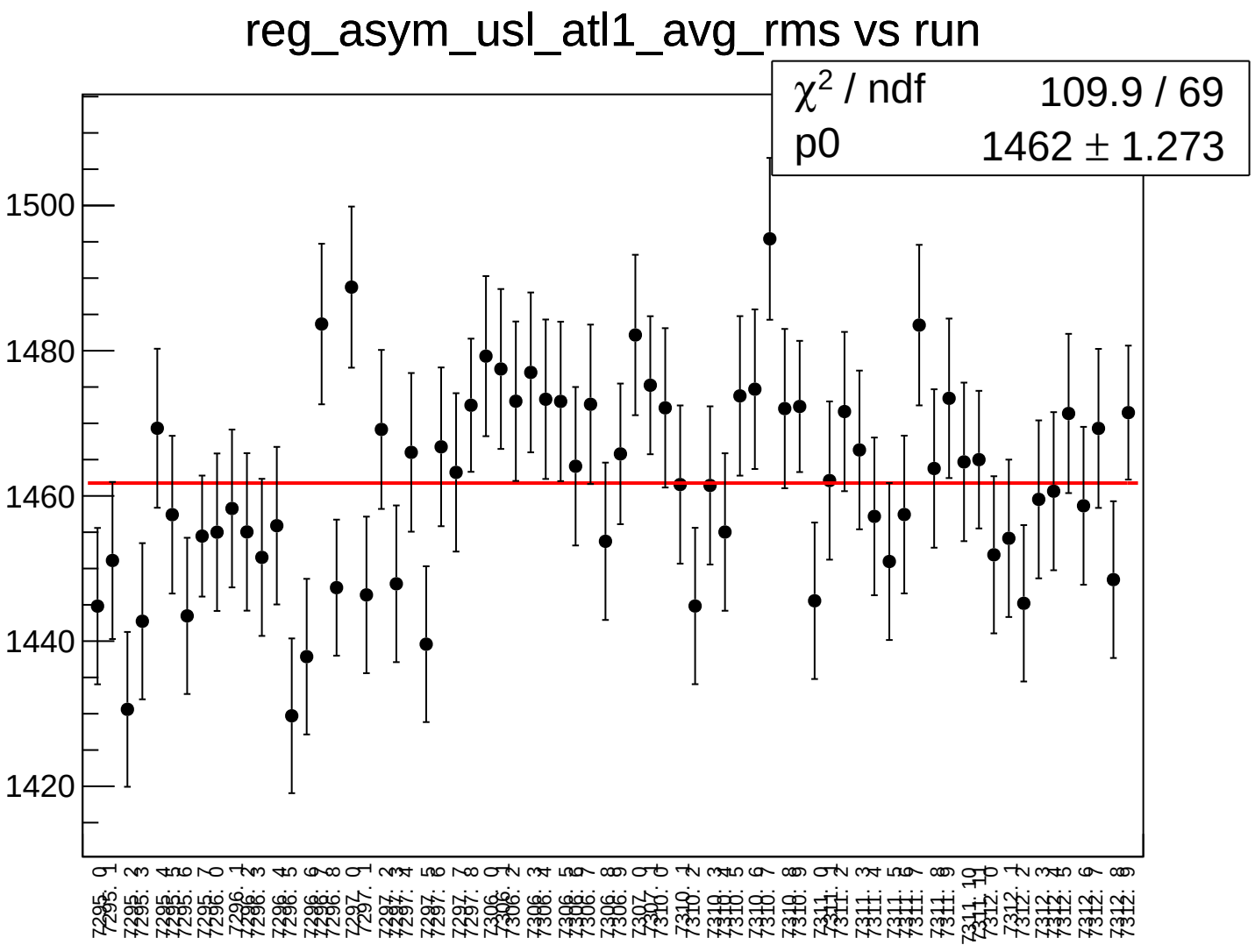

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.22 / 69
p0 −3.583e−15 ± 8.364e−15
pull
Entries 70
Mean 44.72
Std Dev 32.62

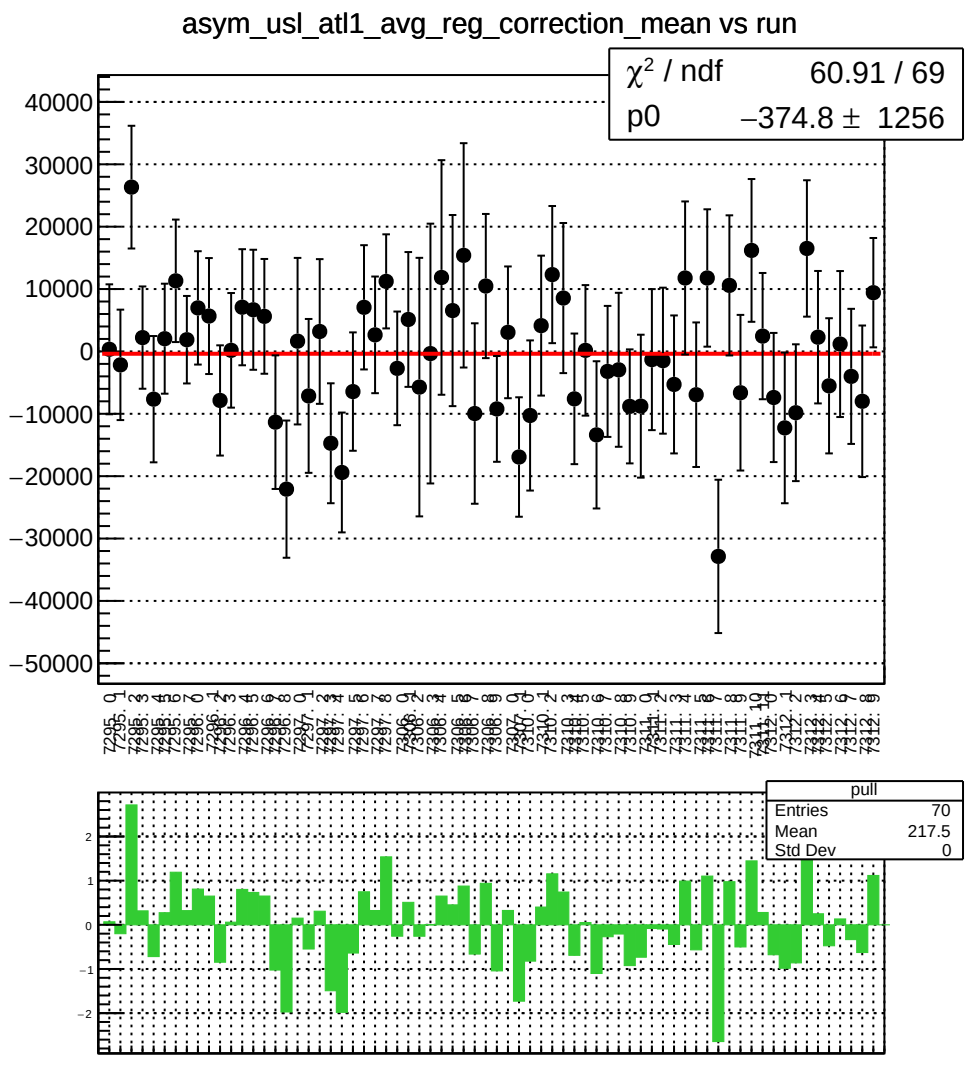

pull1D
Entries 70
Mean 0.07636
Std Dev 1.054

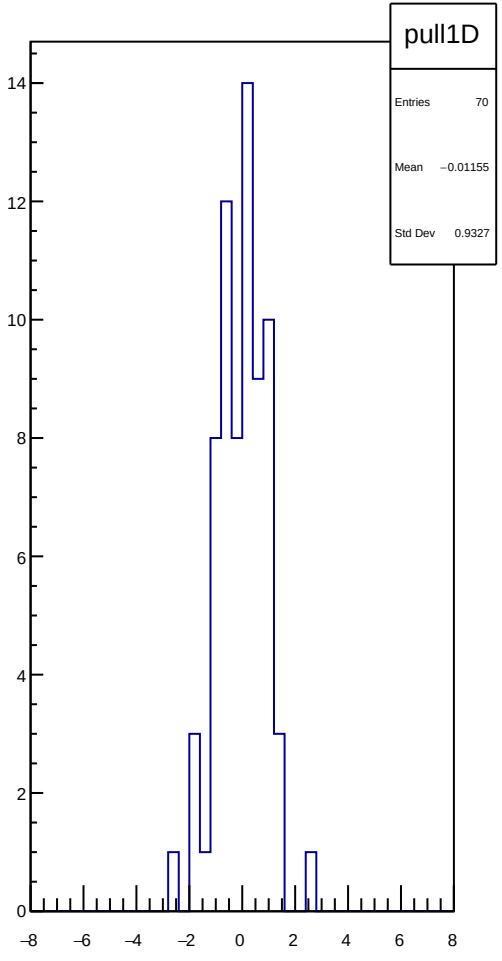

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.85e+05 / 69
p0 5.401e−12 ± 5.914e−15
50
40
30
20
10

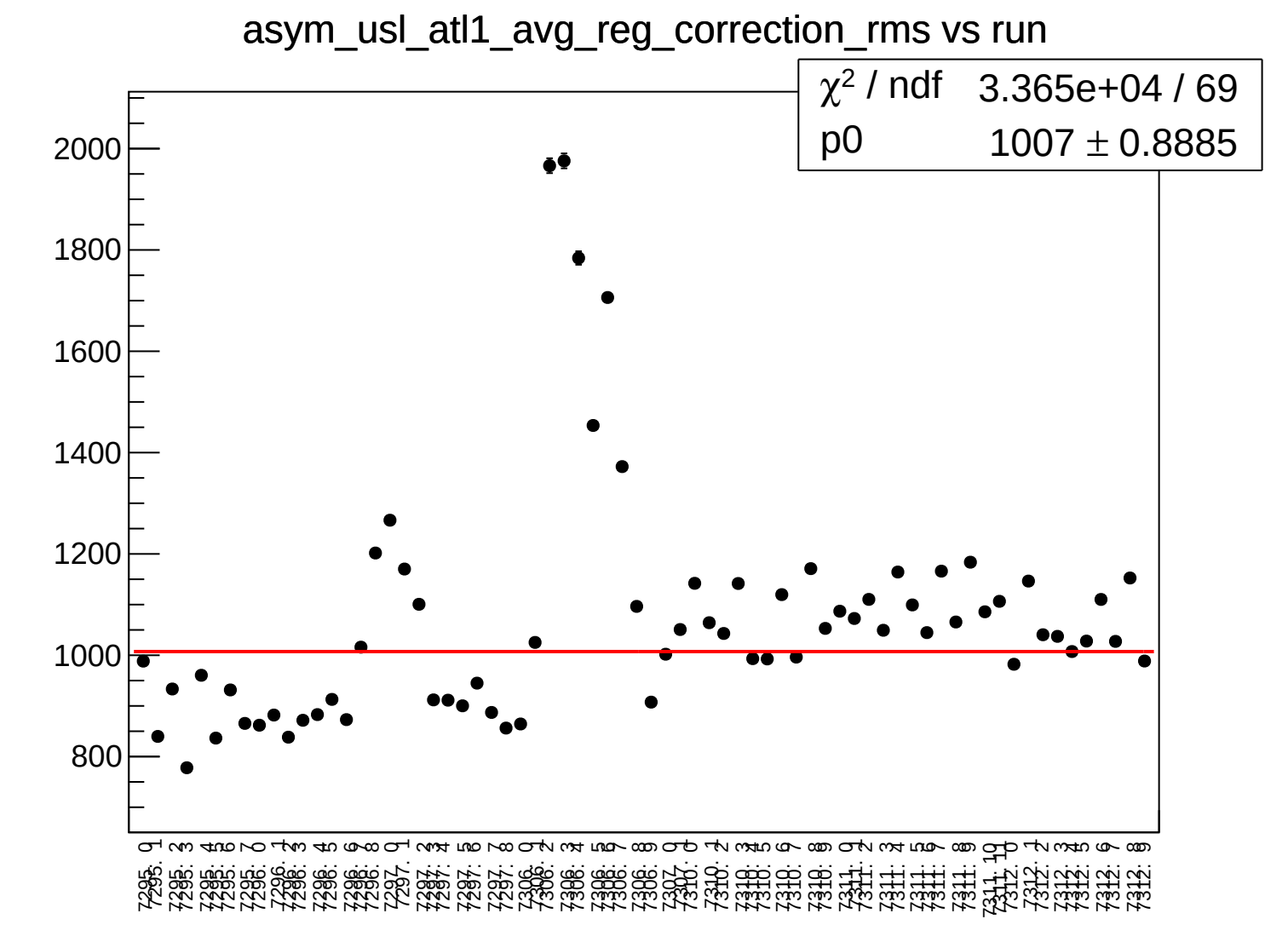

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.87 / 69
p0 −812.4 ± 1800
pull
Entries 70
Mean 1105
Std Dev 0

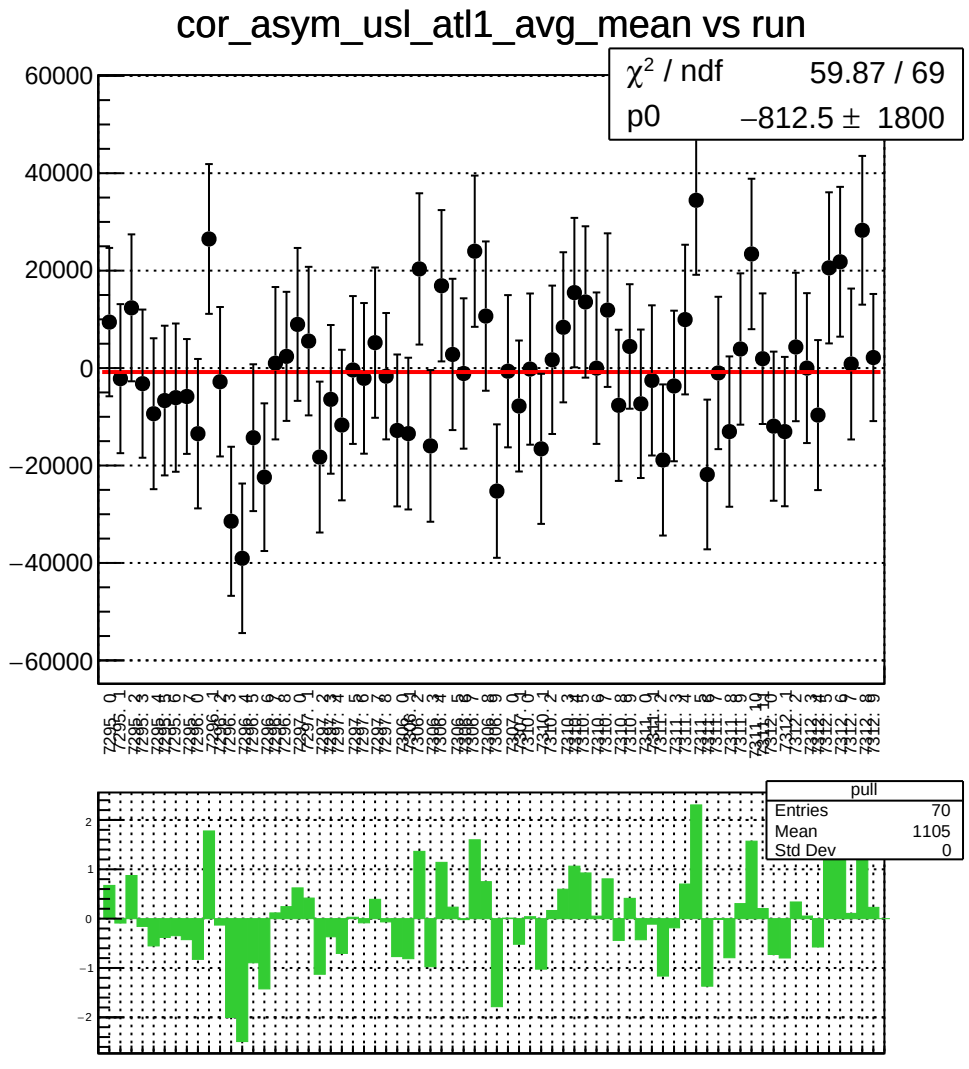

pull1D
Entries 70
Mean 0.004199
Std Dev 0.9248

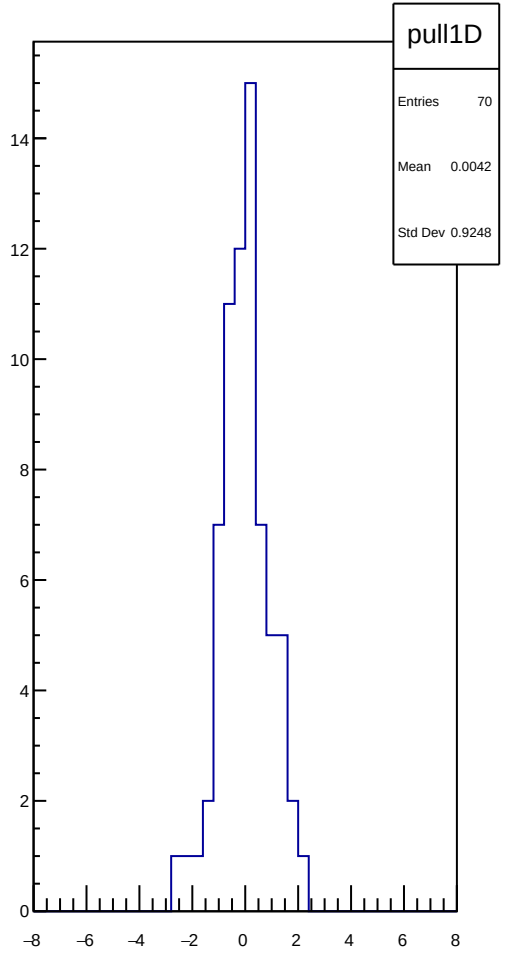

reg_asym_usl_atl1_avg_rms vs run
χ^2 / ndf 109.9 / 69
p0 1462 ± 1.273
1500
1480
1460
1440
1420

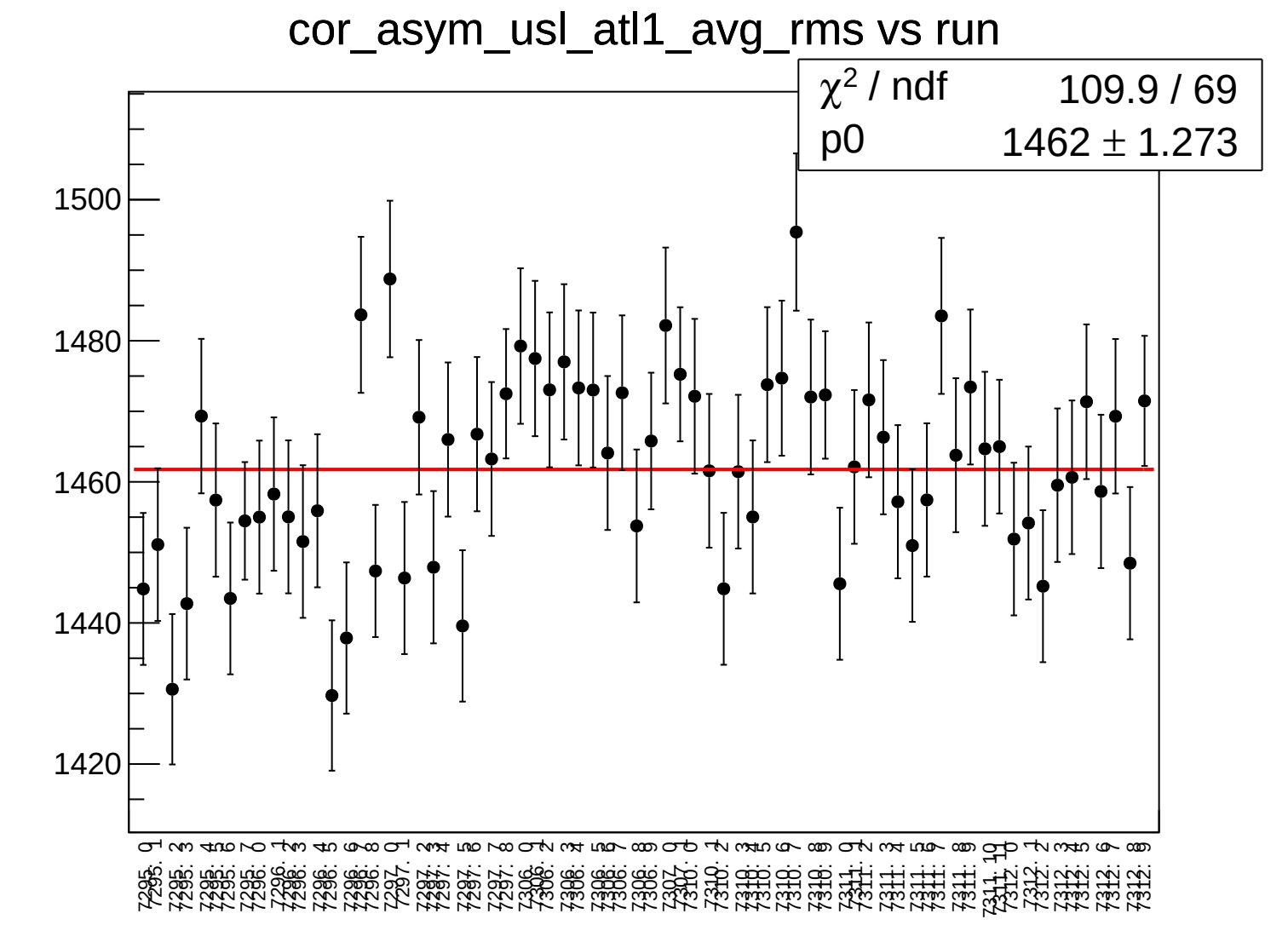

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 60.91 / 69
p0 −374.8 ± 1256
pull
Entries 70
Mean 217.5
Std Dev 0

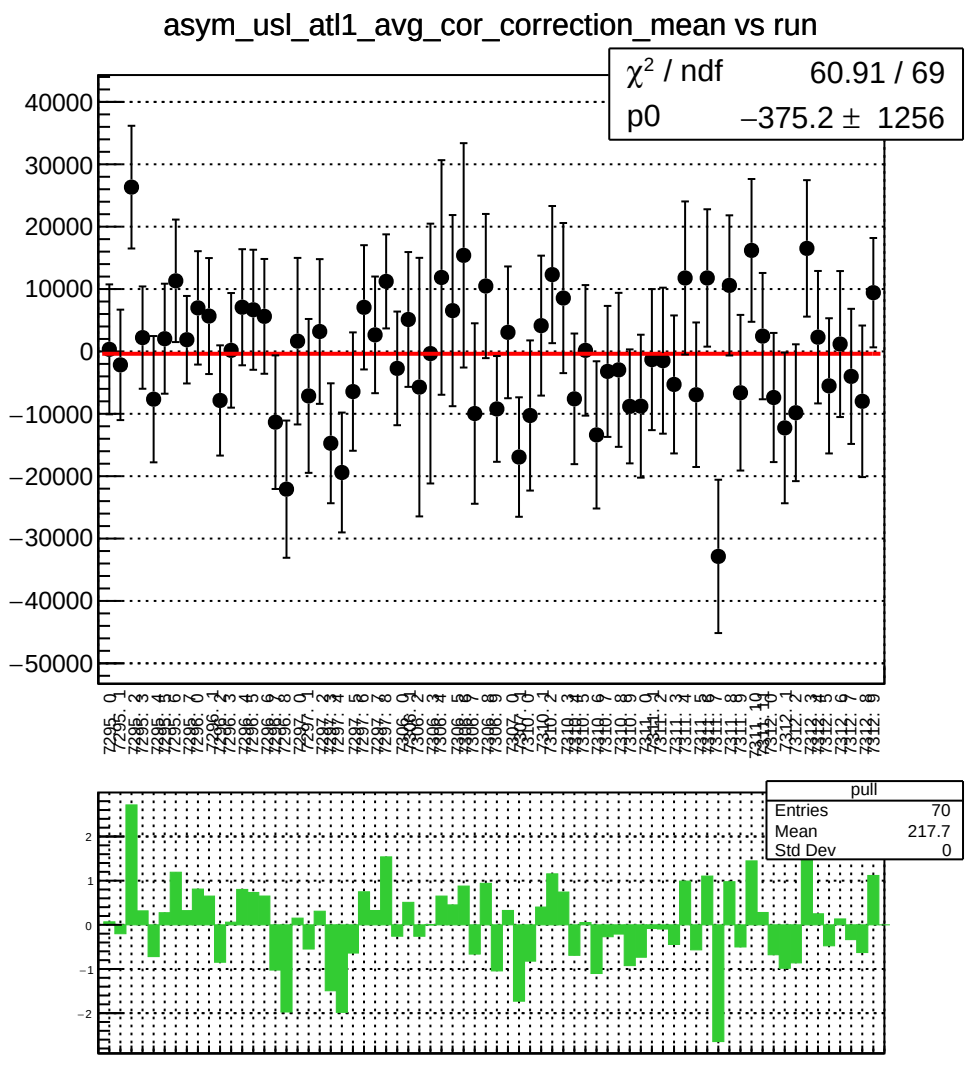

pull1D
Entries 70
Mean −0.01155
Std Dev 0.9327

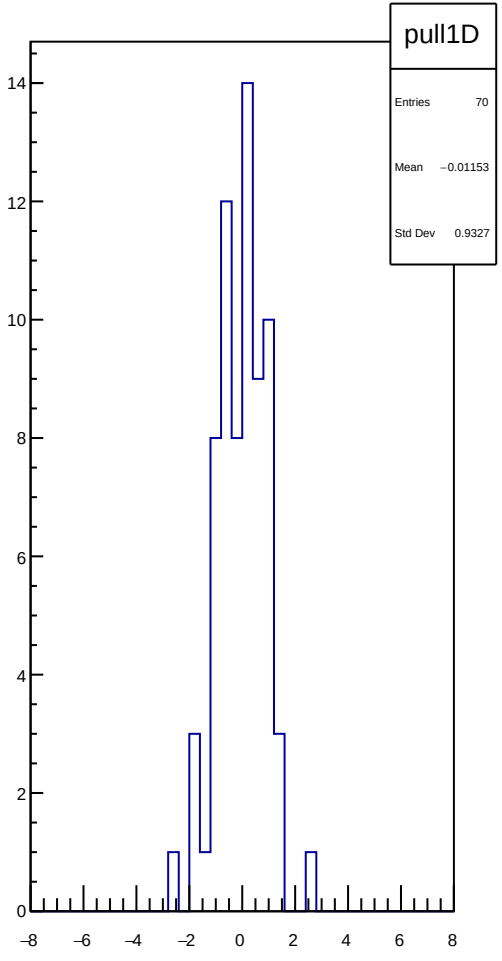

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 3.365e+04 / 69
p0 1007 ± 0.8885
2000
1800
1600
1400
1200
1000
800

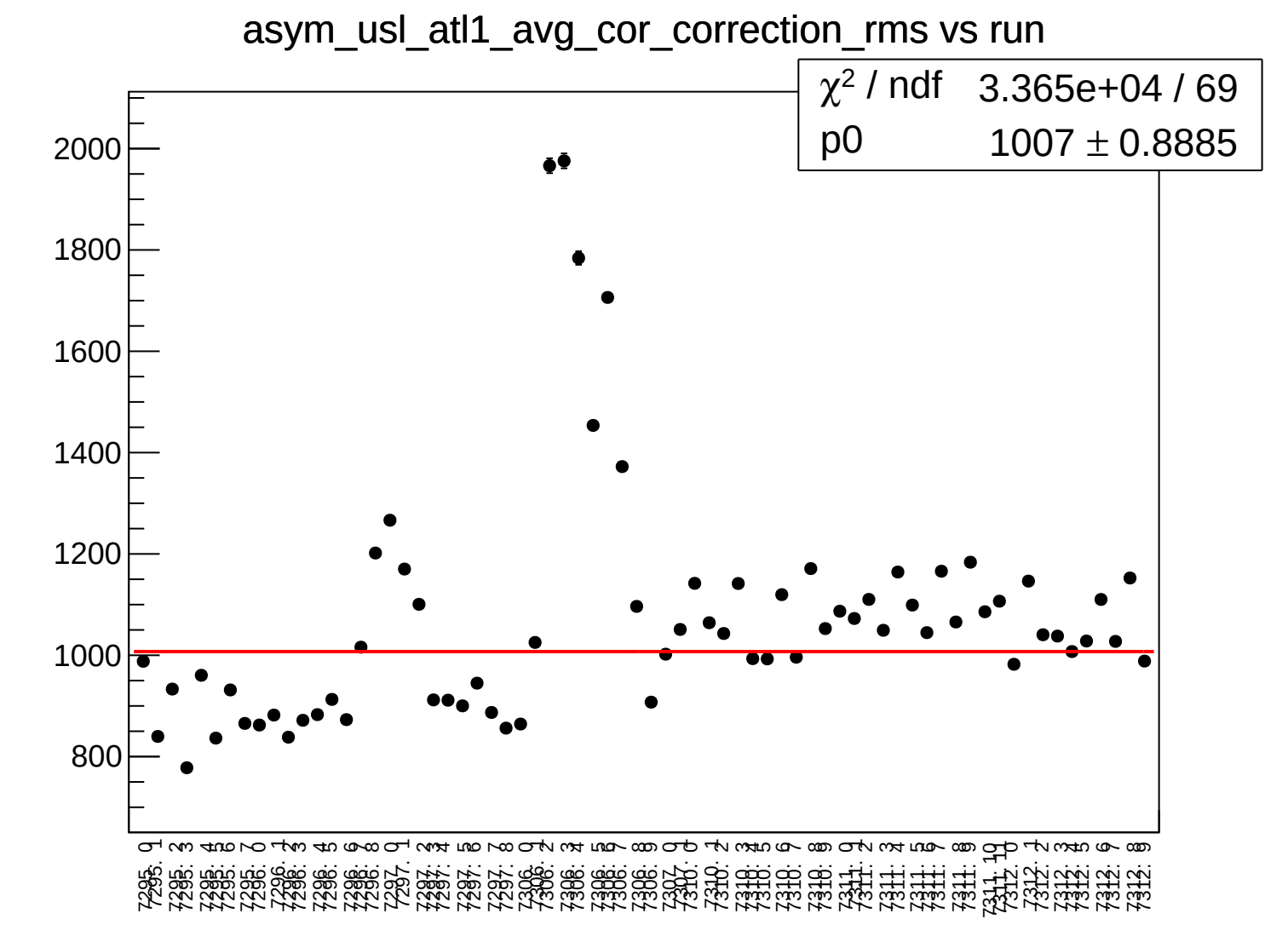

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.87 / 69
p0 −812.5 ± 1800
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 1105
Std Dev 0
2
1
0
−1
−2

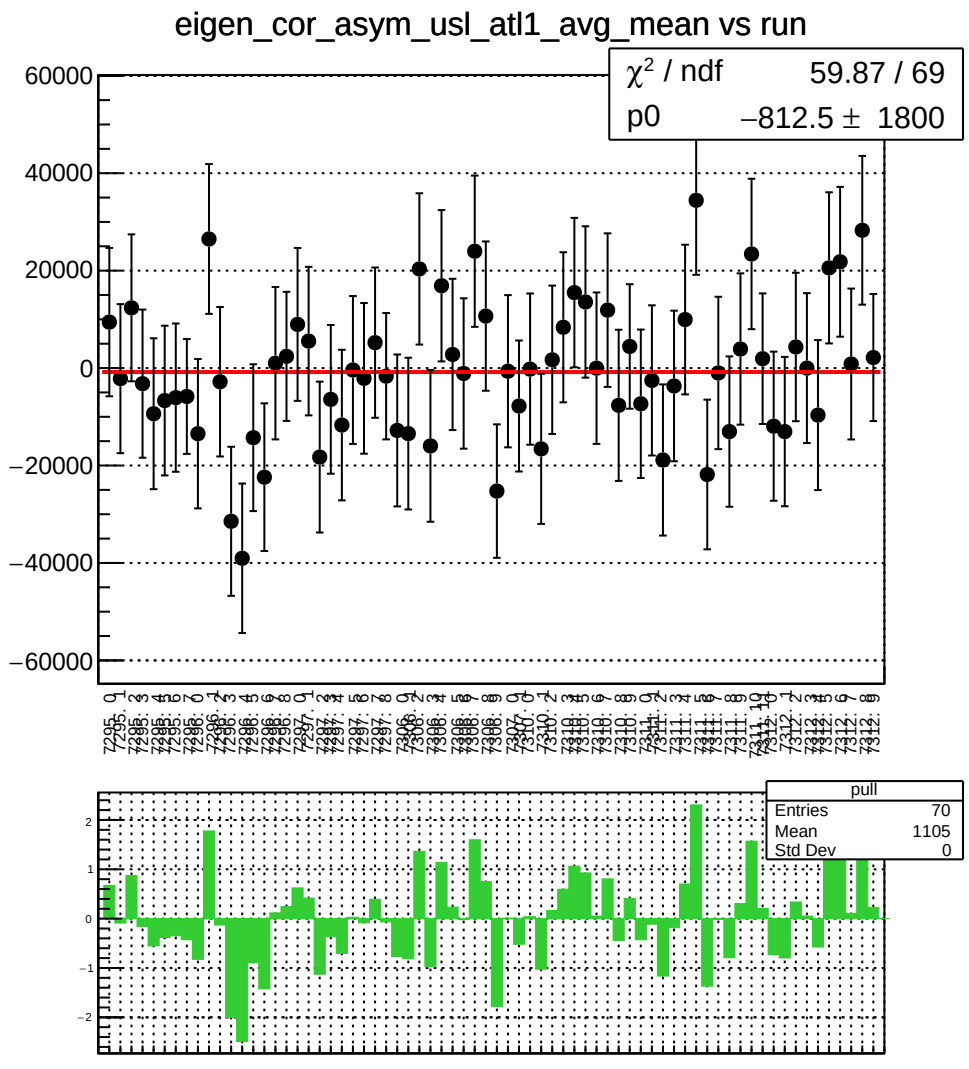

pull1D
Entries 70
Mean 0.0042
Std Dev 0.9248
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

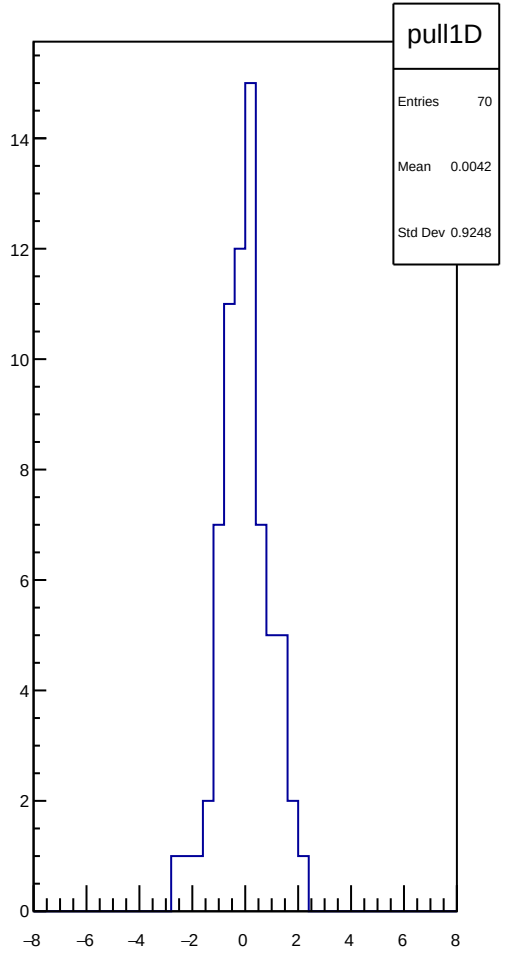

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 109.9 / 69
p0 1462 ± 1.273
1500
1480
1460
1440
1420

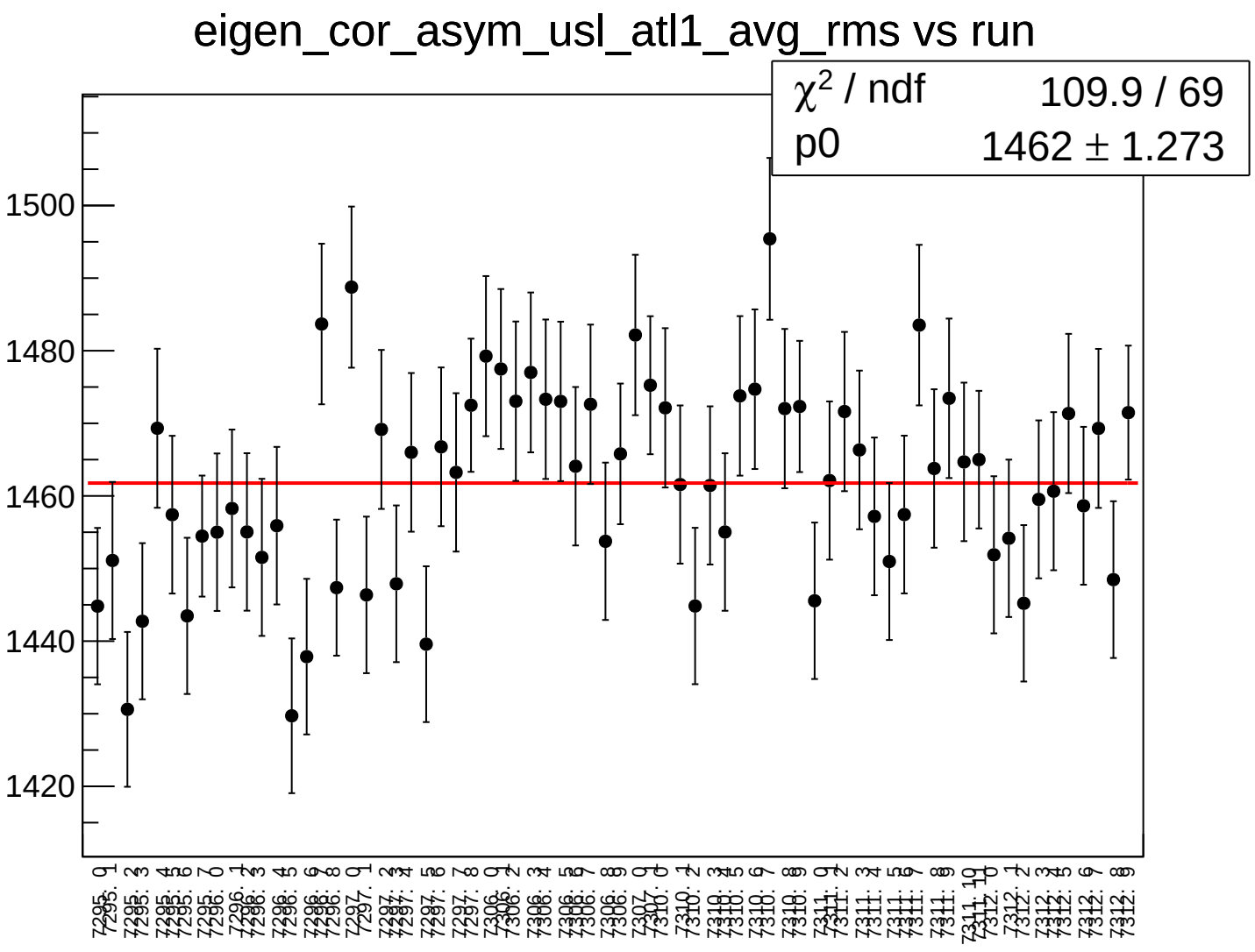

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 60.91 / 69
p0 −375.2 ± 1256
pull
Entries 70
Mean 217.7
Std Dev 0

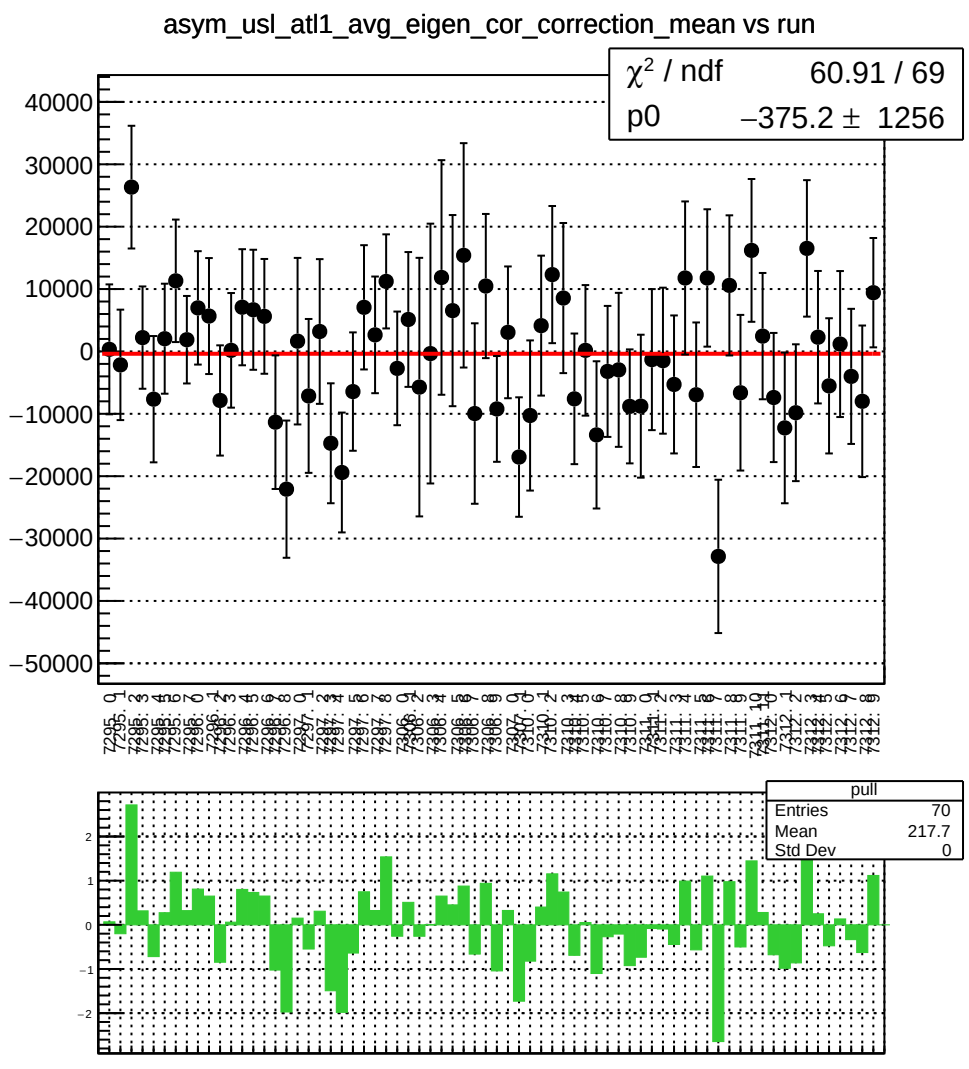

pull1D
Entries 70
Mean −0.01153
Std Dev 0.9327

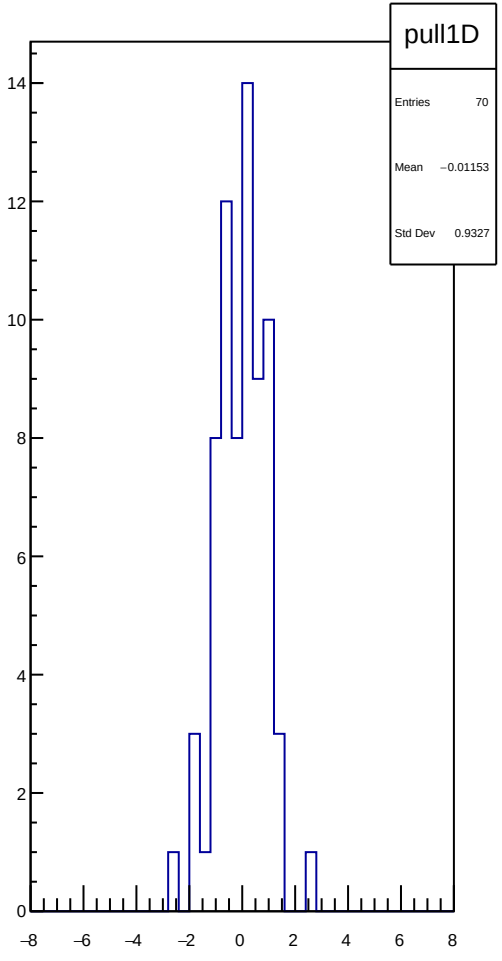

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 3.365e+04 / 69
p0 1007 ± 0.8885
2000
1800
1600
1400
1200
1000
800

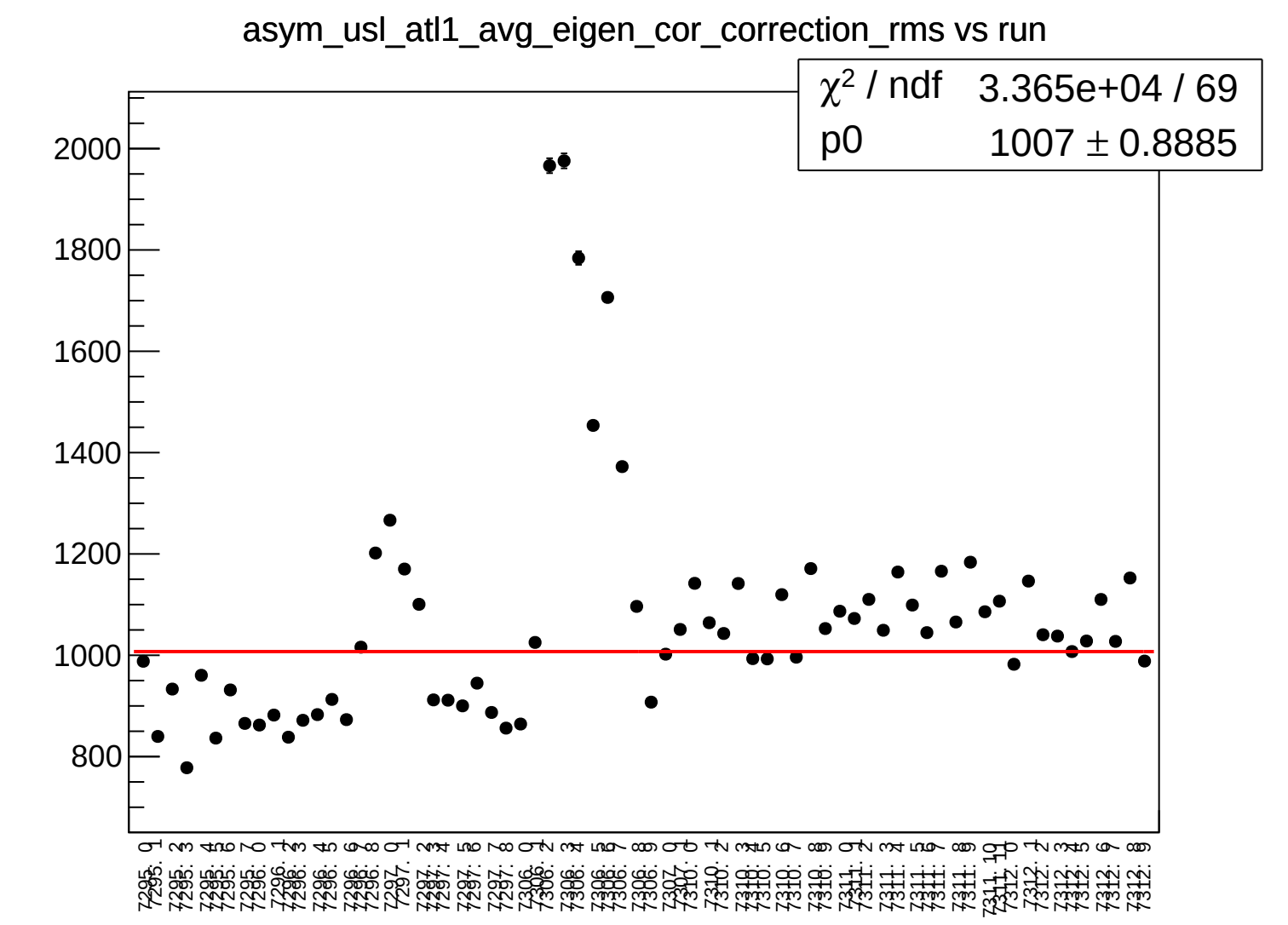

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.87 / 69
p0 −812.5 ± 1800
pull
Entries 70
Mean 1105
Std Dev 0

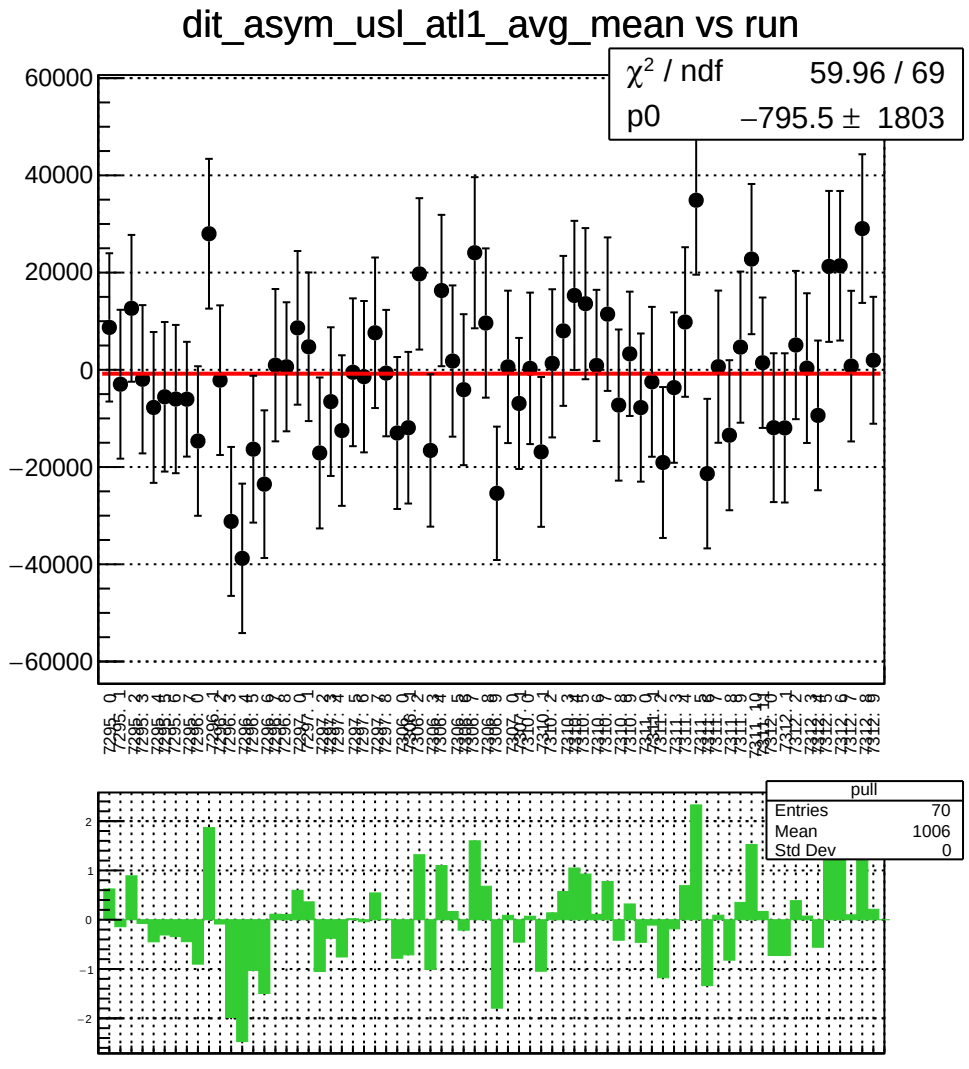

pull1D
Entries 70
Mean 0.0042
Std Dev 0.9248

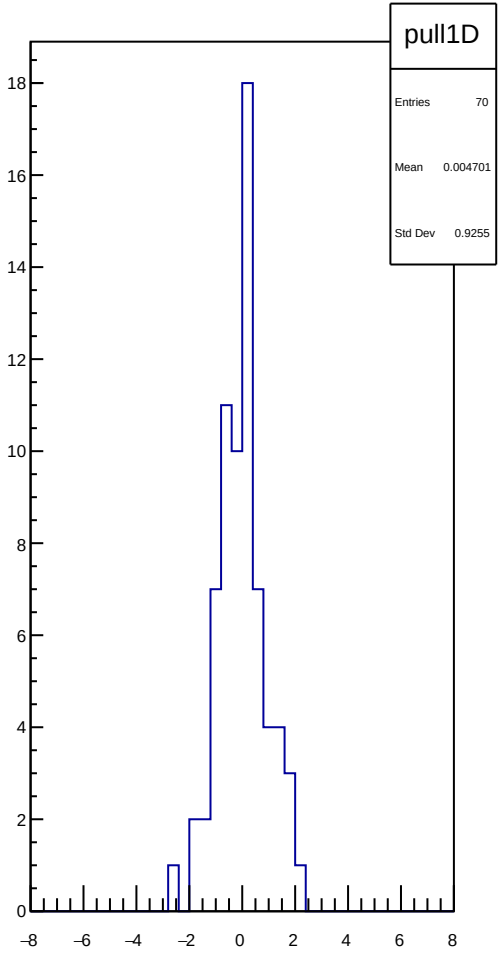

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 109.9 / 69
p0 1462 ± 1.273
1500
1480
1460
1440
1420

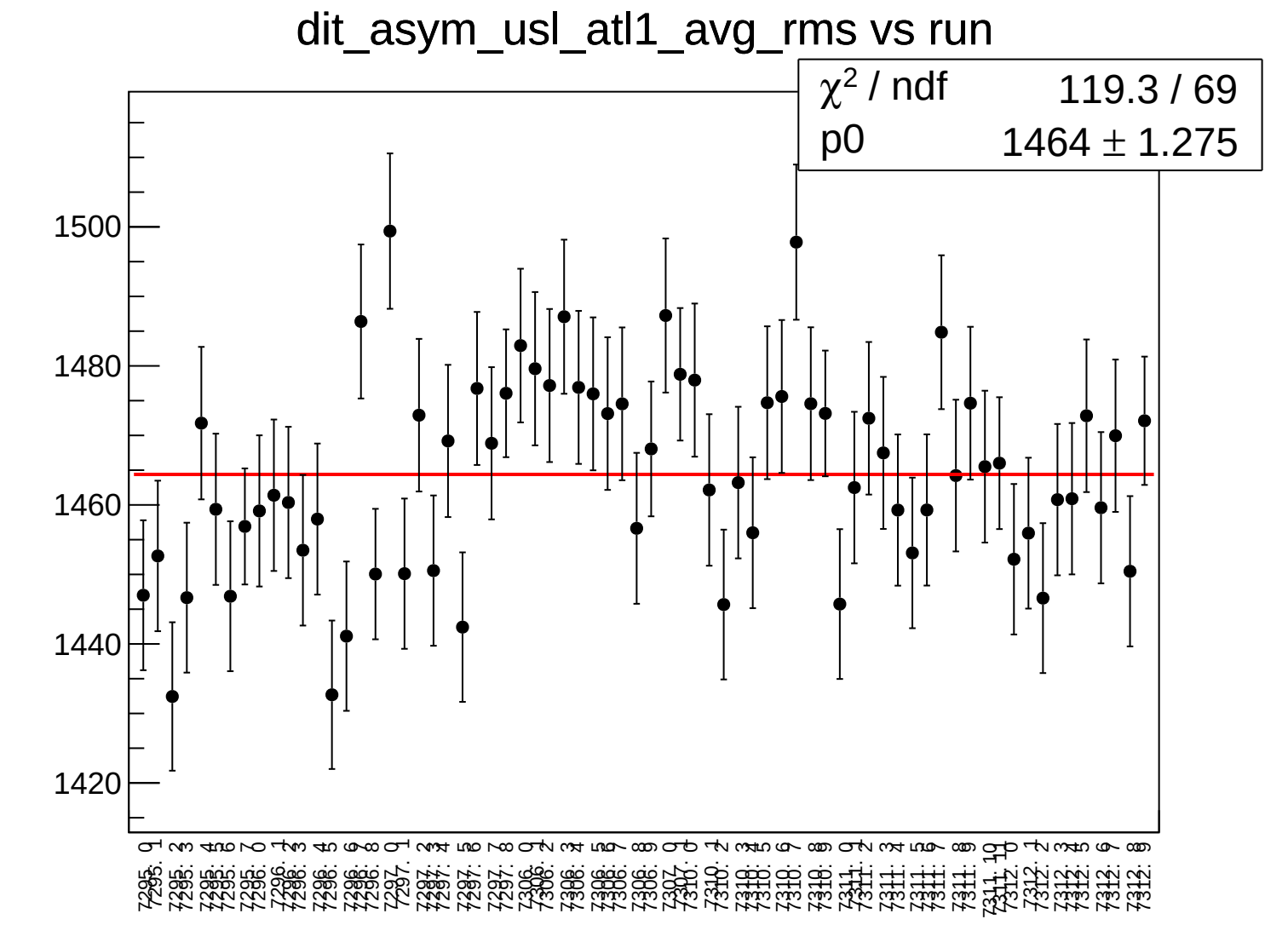

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 60.91 / 69
p0 −375.2 ± 1256
pull
Entries 70
Mean 217.7
Std Dev 0

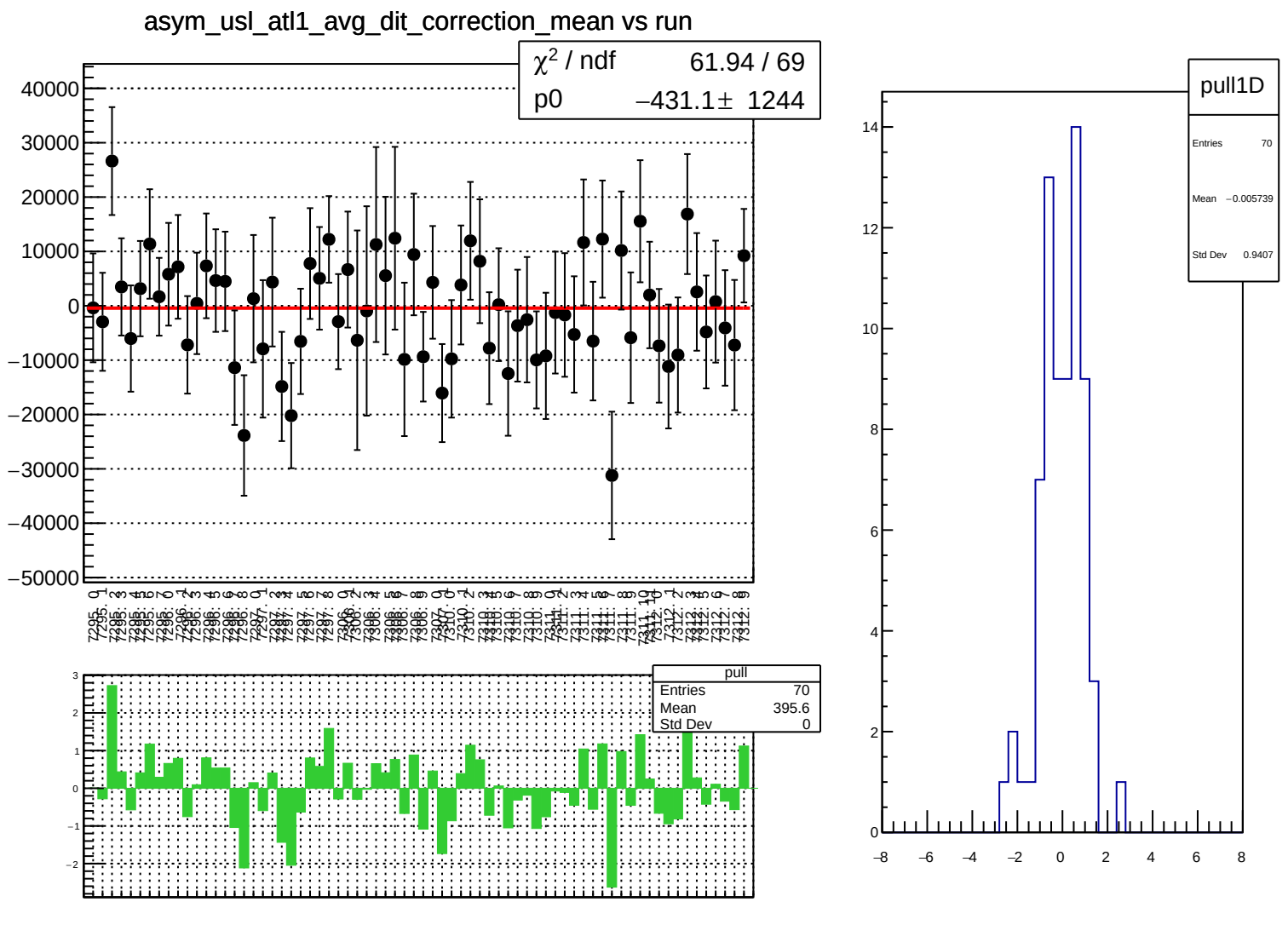

pull1D
Entries 70
Mean −0.01153
Std Dev 0.9327

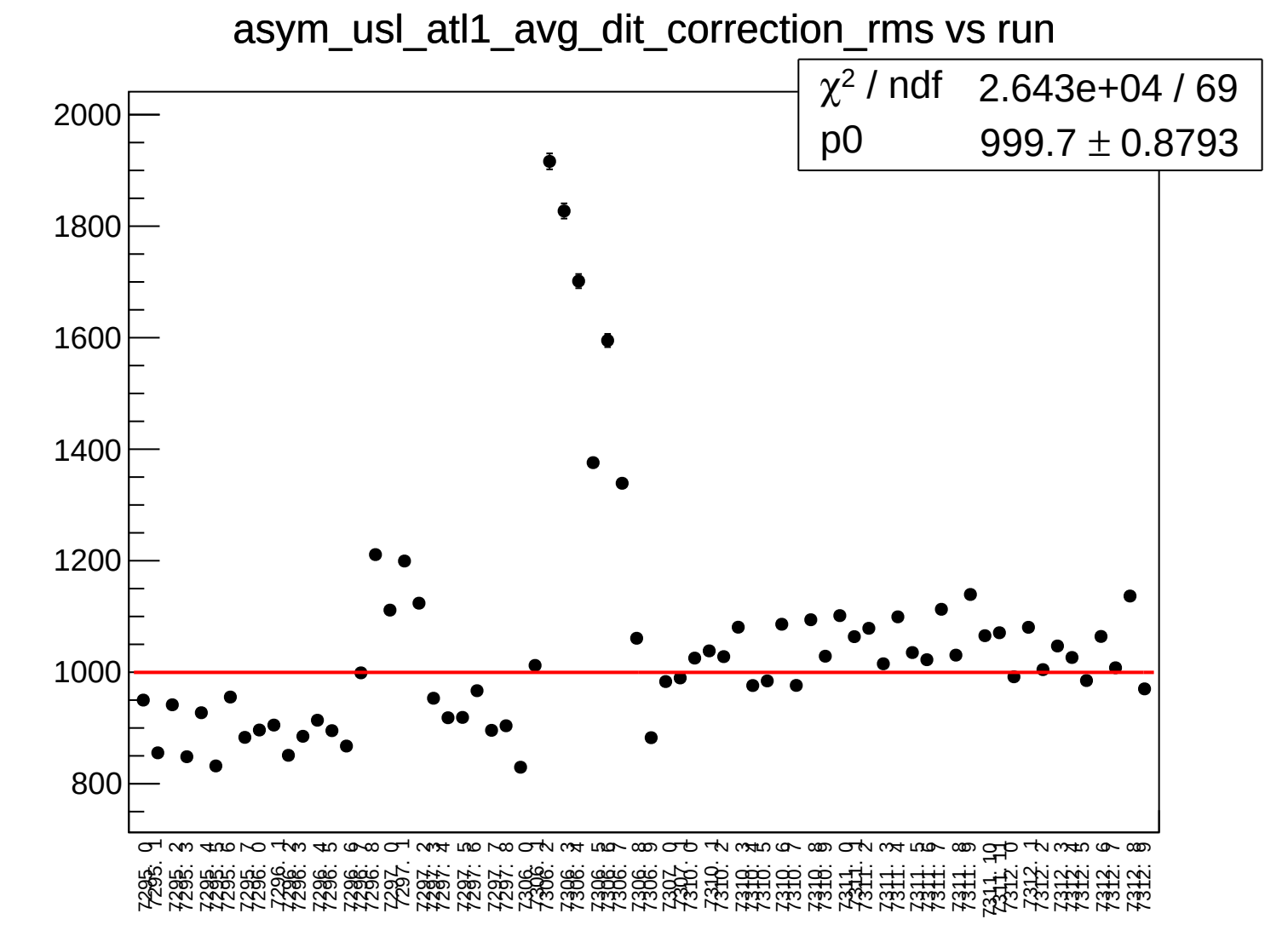

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.365e+04 / 69
p0 1007 ± 0.8885
2000
1800
1600
1400
1200
1000
800

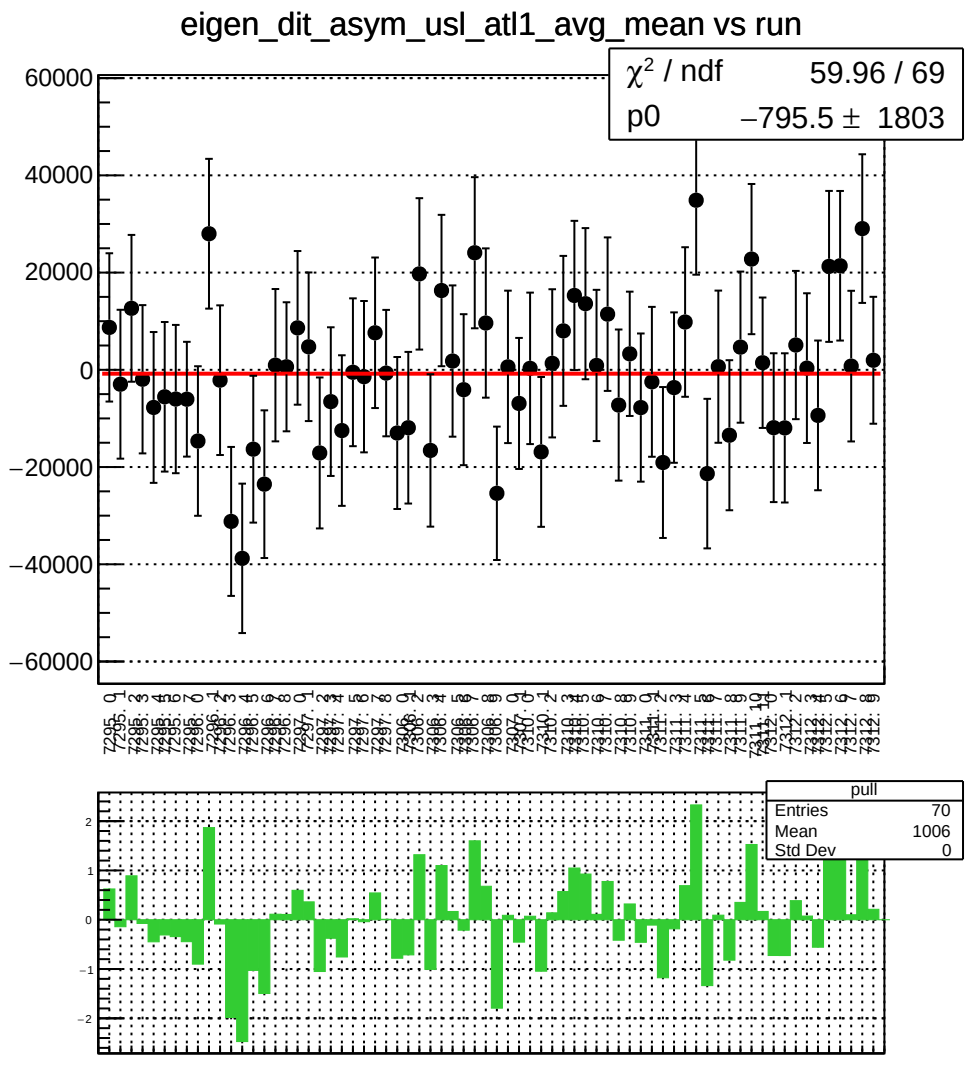

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.96 / 69
p0 −795.5 ± 1803
pull
Entries 70
Mean 1006
Std Dev 0

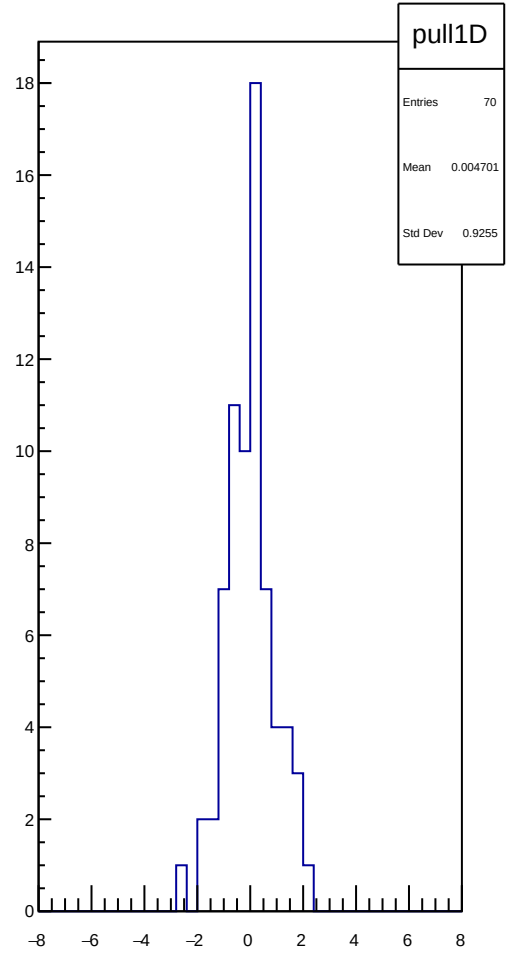

pull1D
Entries 70
Mean 0.004701
Std Dev 0.9255

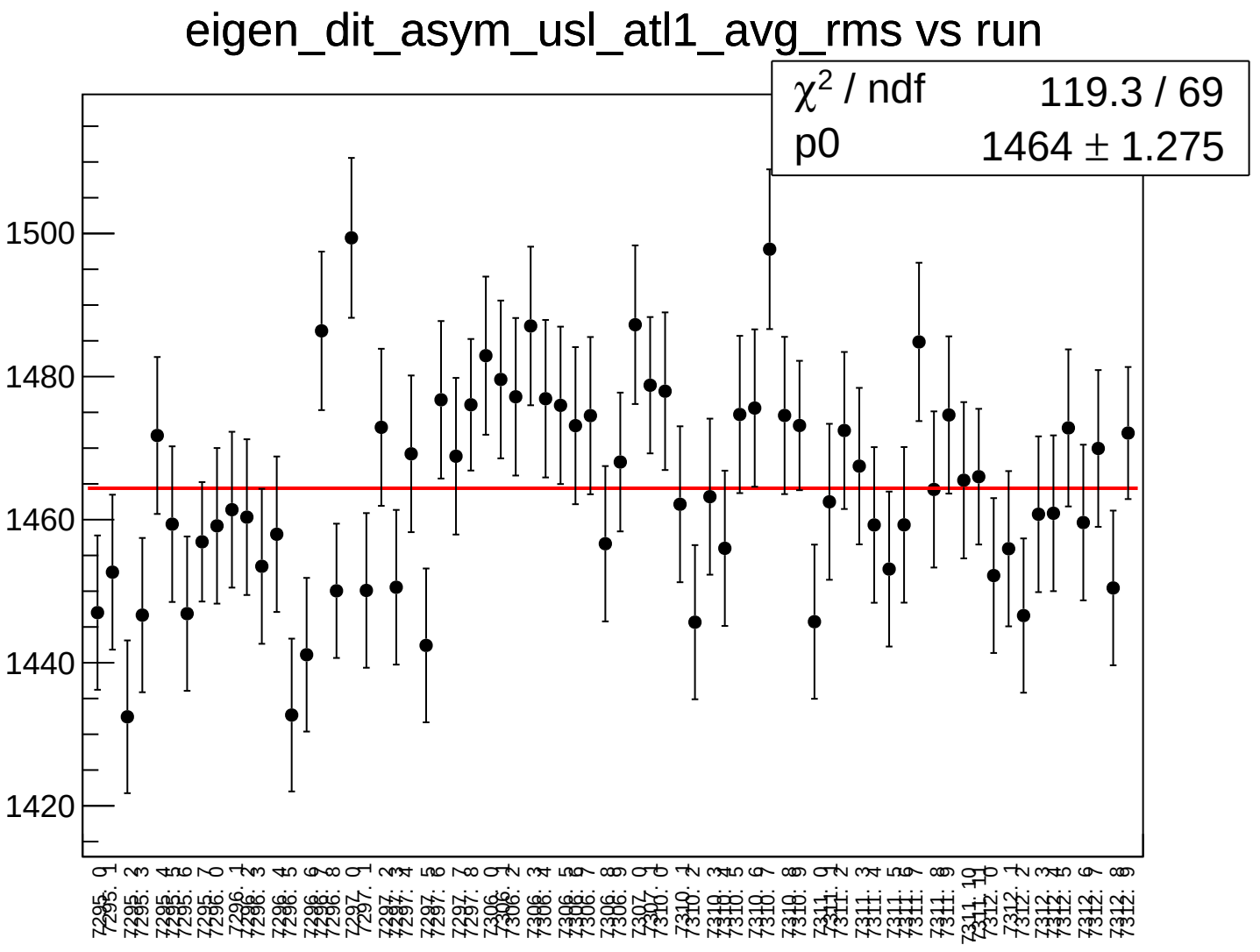

dit_asym_usl_atl1_avg_rms vs run
χ^2 / ndf 119.3 / 69
p0 1464 ± 1.275
1500
1480
1460
1440
1420

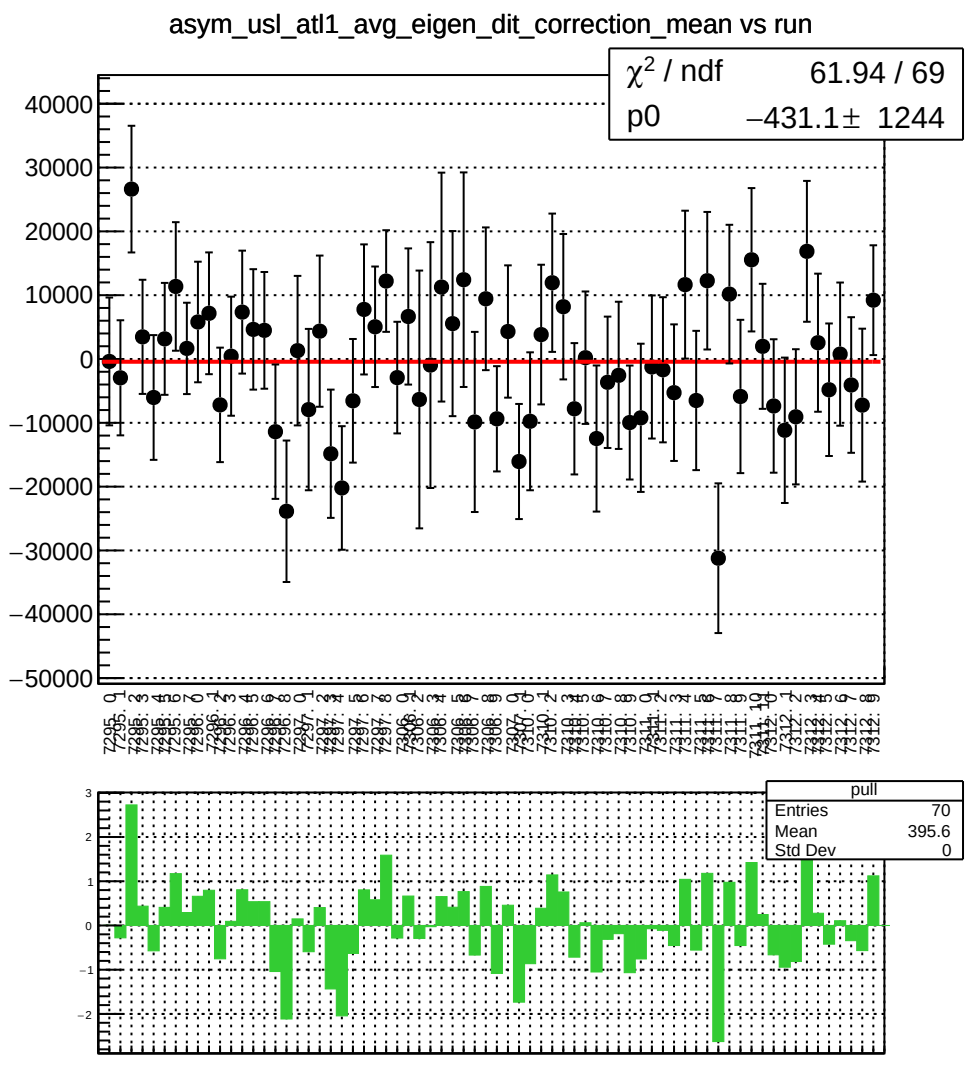

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 61.94 / 69
p0 −431.1± 1244
pull
Entries 70
Mean 395.6
Std Dev 0
pull1D
Entries 70
Mean −0.005739
Std Dev 0.9407

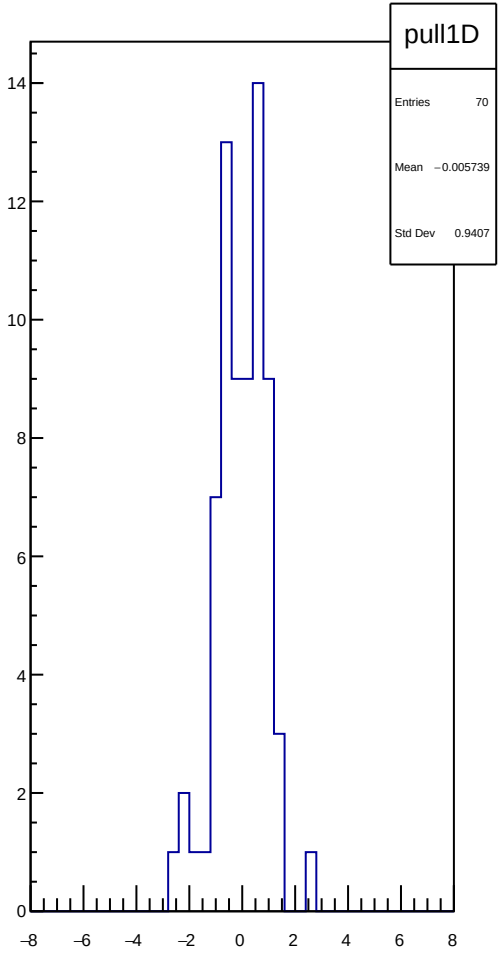

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2.643e+04 / 69
p0 999.7 ± 0.8793
2000
1800
1600
1400
1200
1000
800

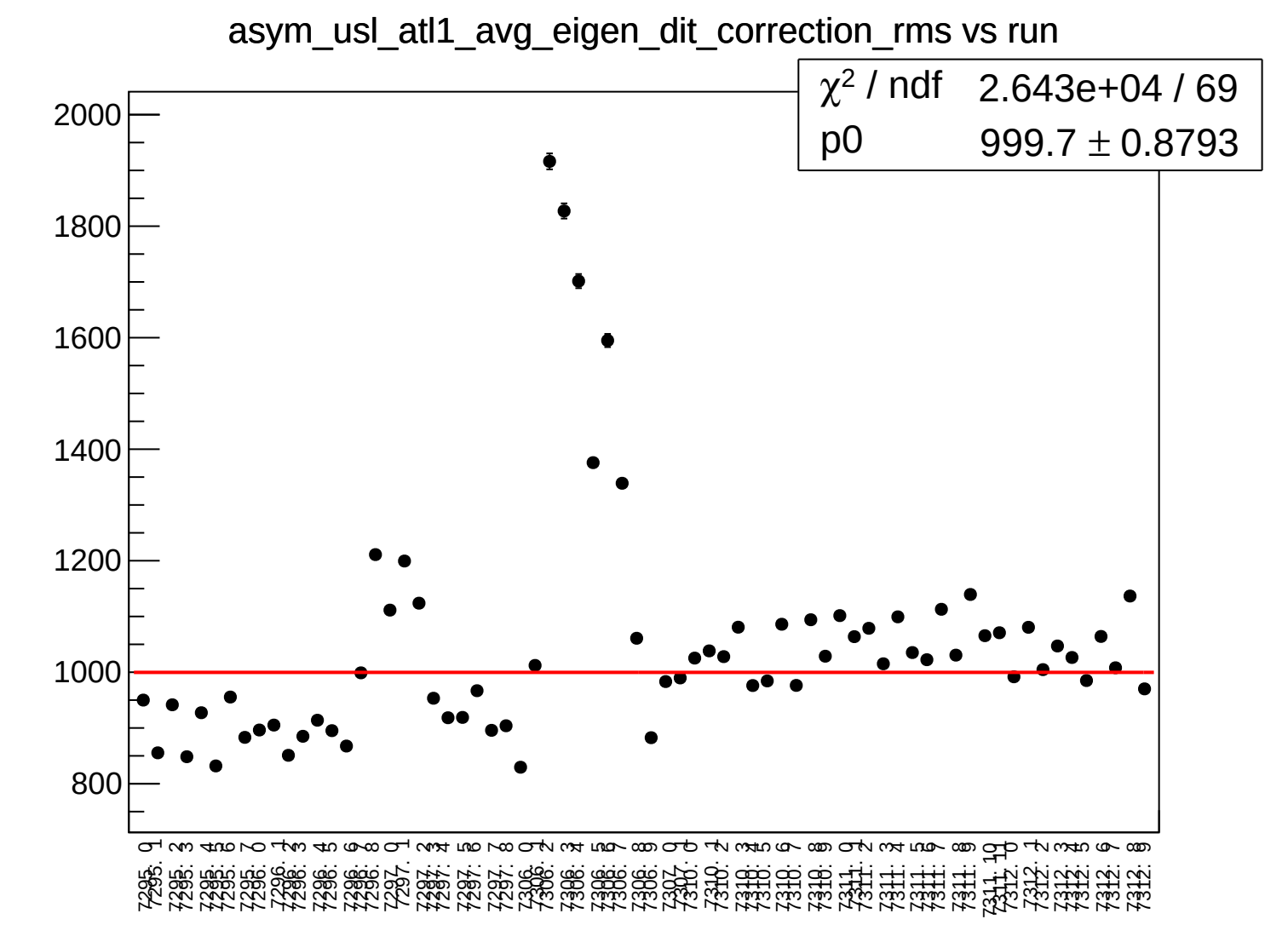

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.96 / 69
p0 −795.5 ± 1803
pull
Entries 70
Mean 1006
Std Dev 0

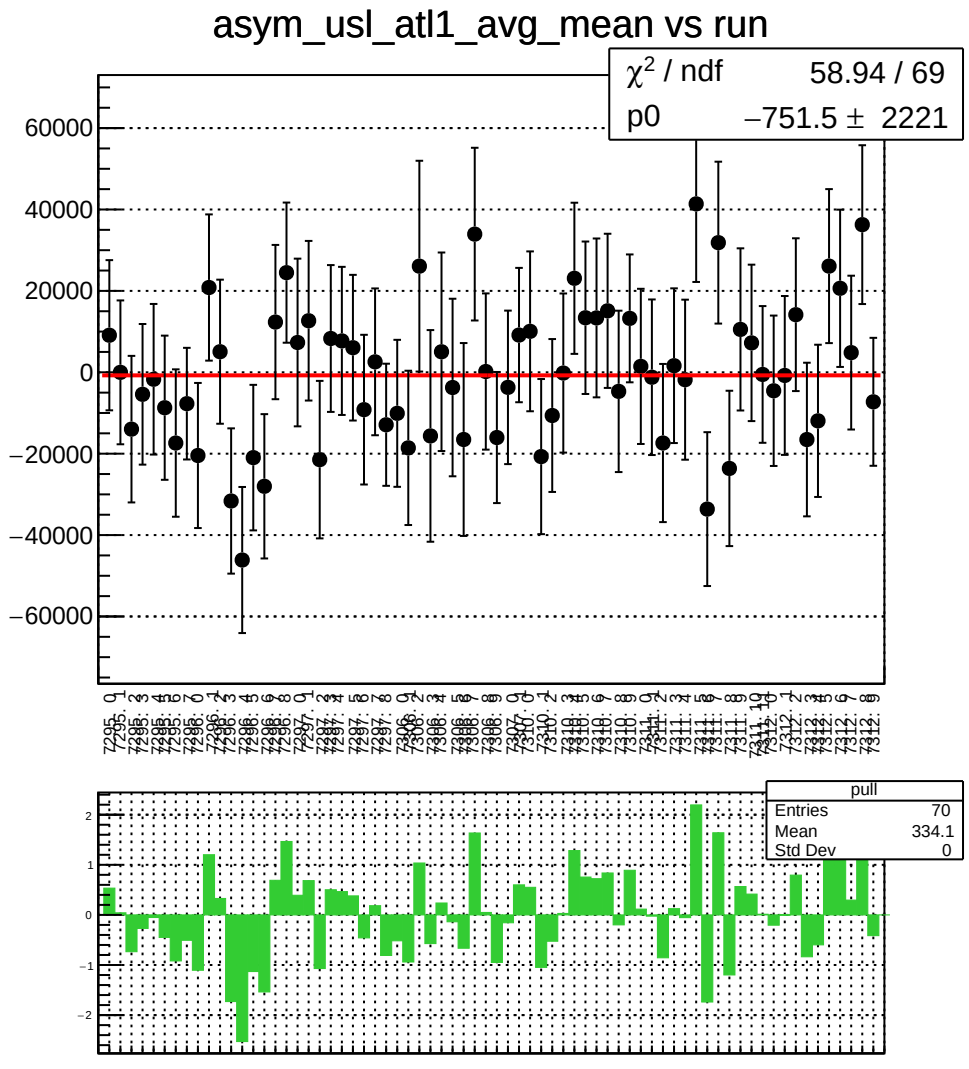

pull1D
Entries 70
Mean 0.004701
Std Dev 0.9255

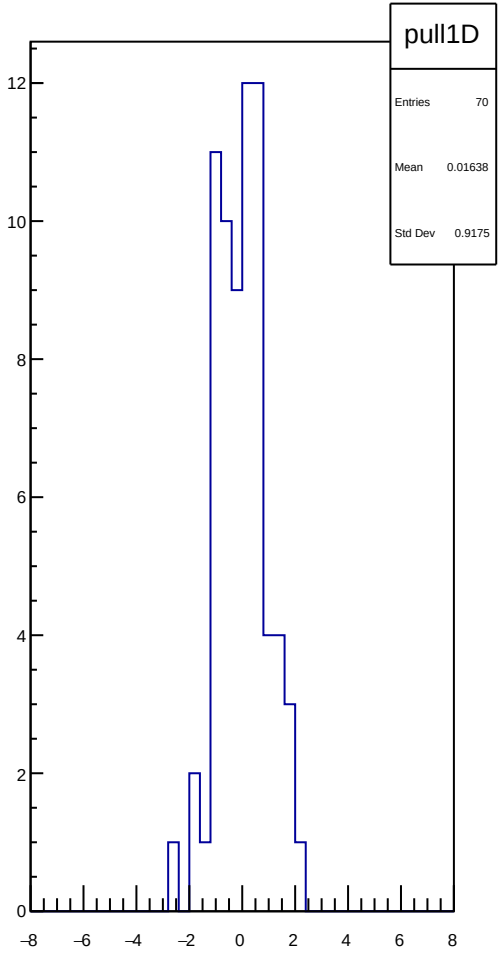

eigen_dit_asym_usl_atl1_avg_rms vs run
χ^2 / ndf 119.3 / 69
p0 1464 ± 1.275
1500
1480
1460
1440
1420

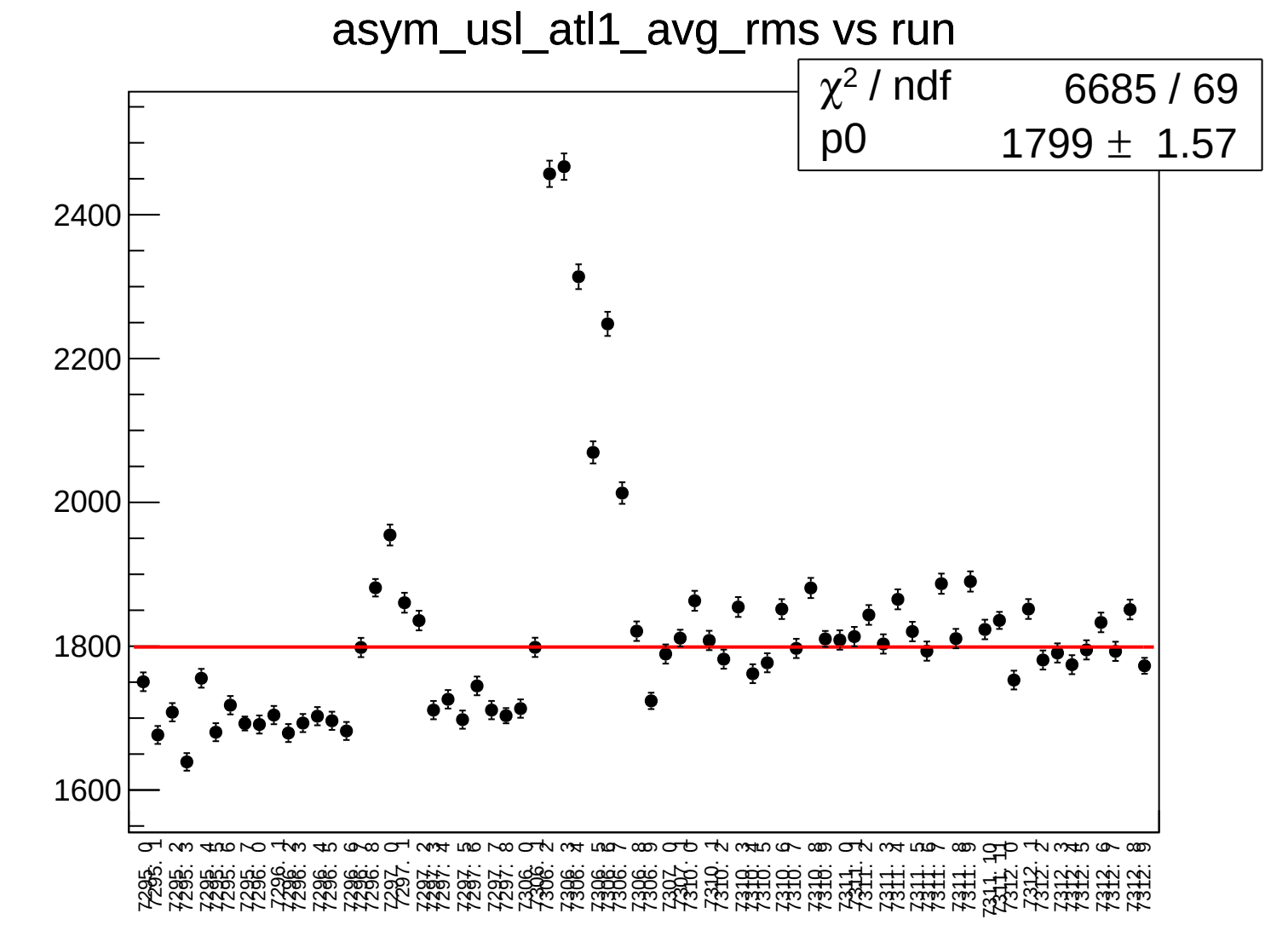

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 61.94 / 69
p0 −431.1± 1244
pull
Entries 70
Mean 395.6
Std Dev 0

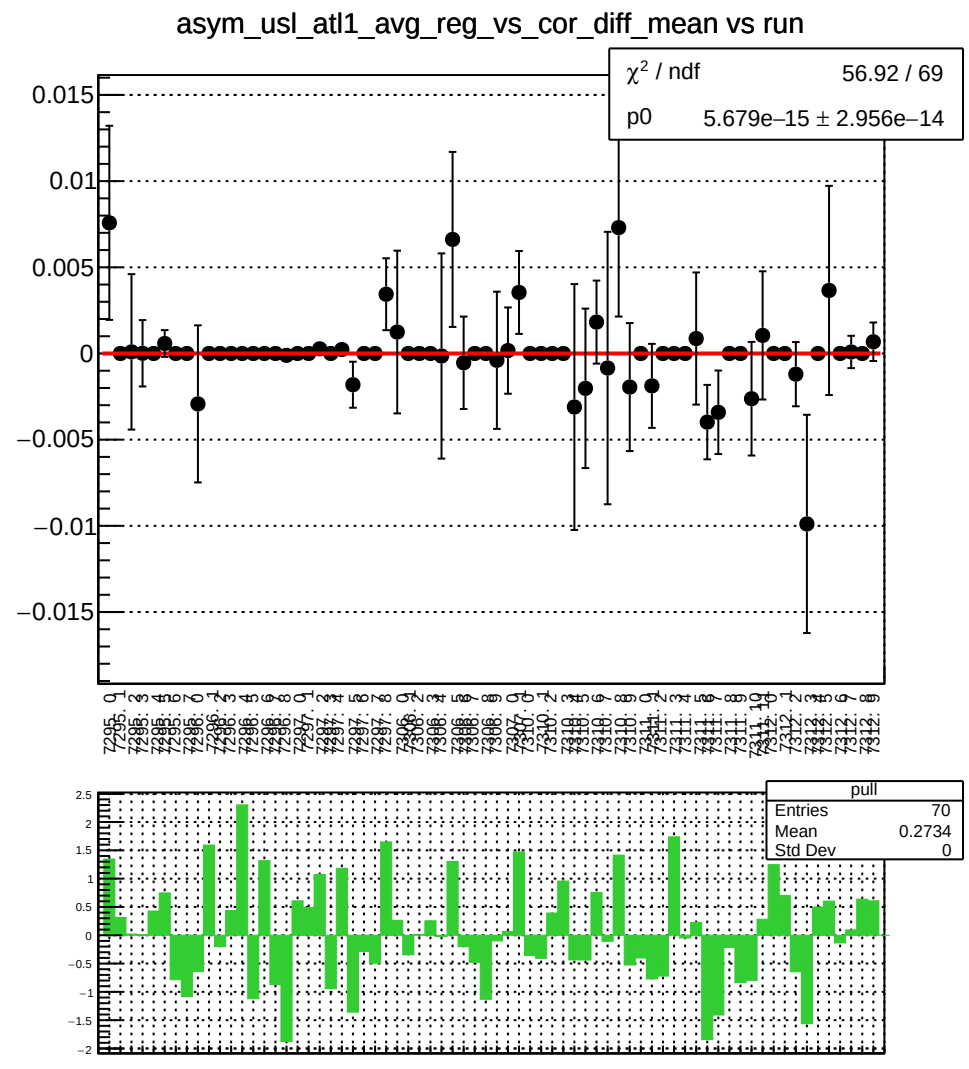

pull1D
Entries 70
Mean −0.005739
Std Dev 0.9407

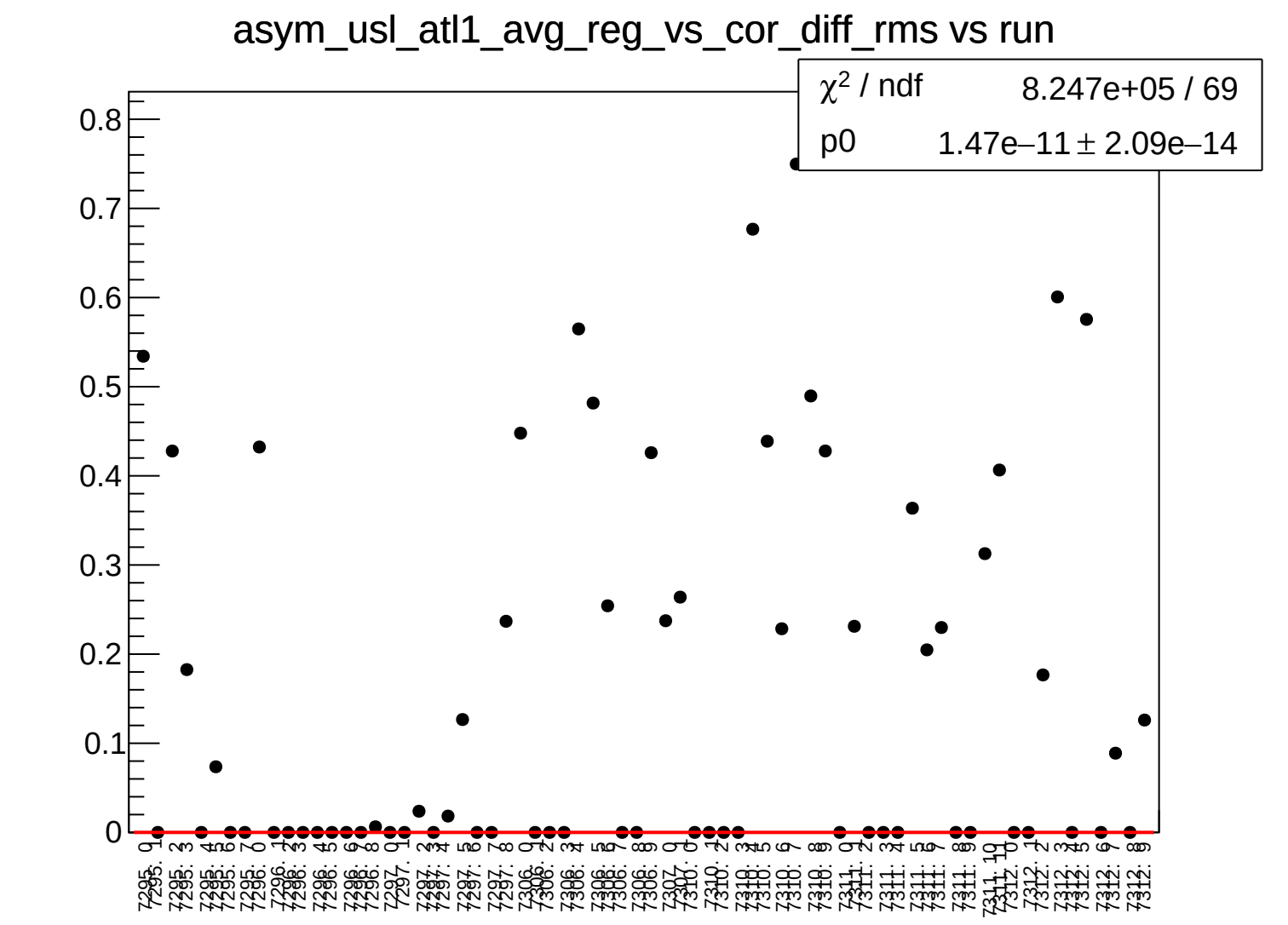

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.643e+04 / 69
p0 999.7 ± 0.8793
2000
1800
1600
1400
1200
1000
800

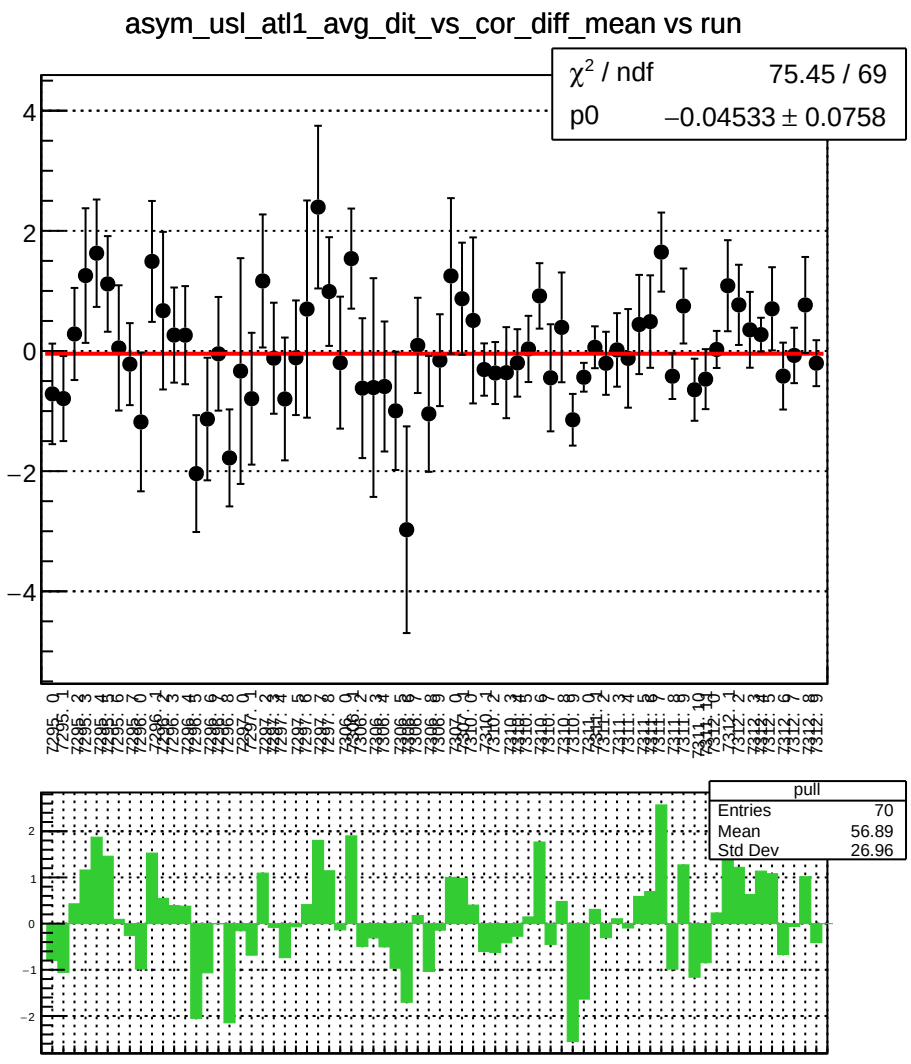

asym_usl_atl1_avg_mean vs run
χ² / ndf 58.94 / 69
p0 −751.5 ± 2221
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 334.1
Std Dev 0
2
1
0
−1
−2

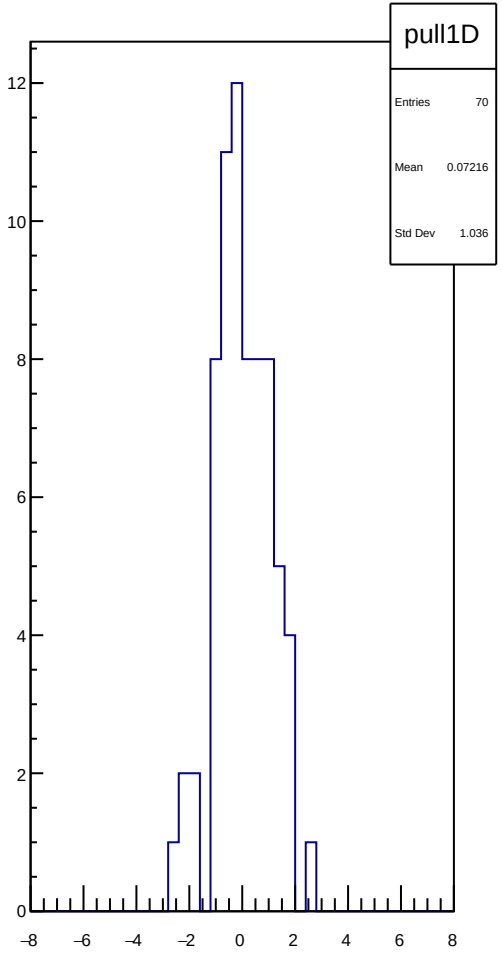

pull1D
Entries 70
Mean 0.01638
Std Dev 0.9175
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

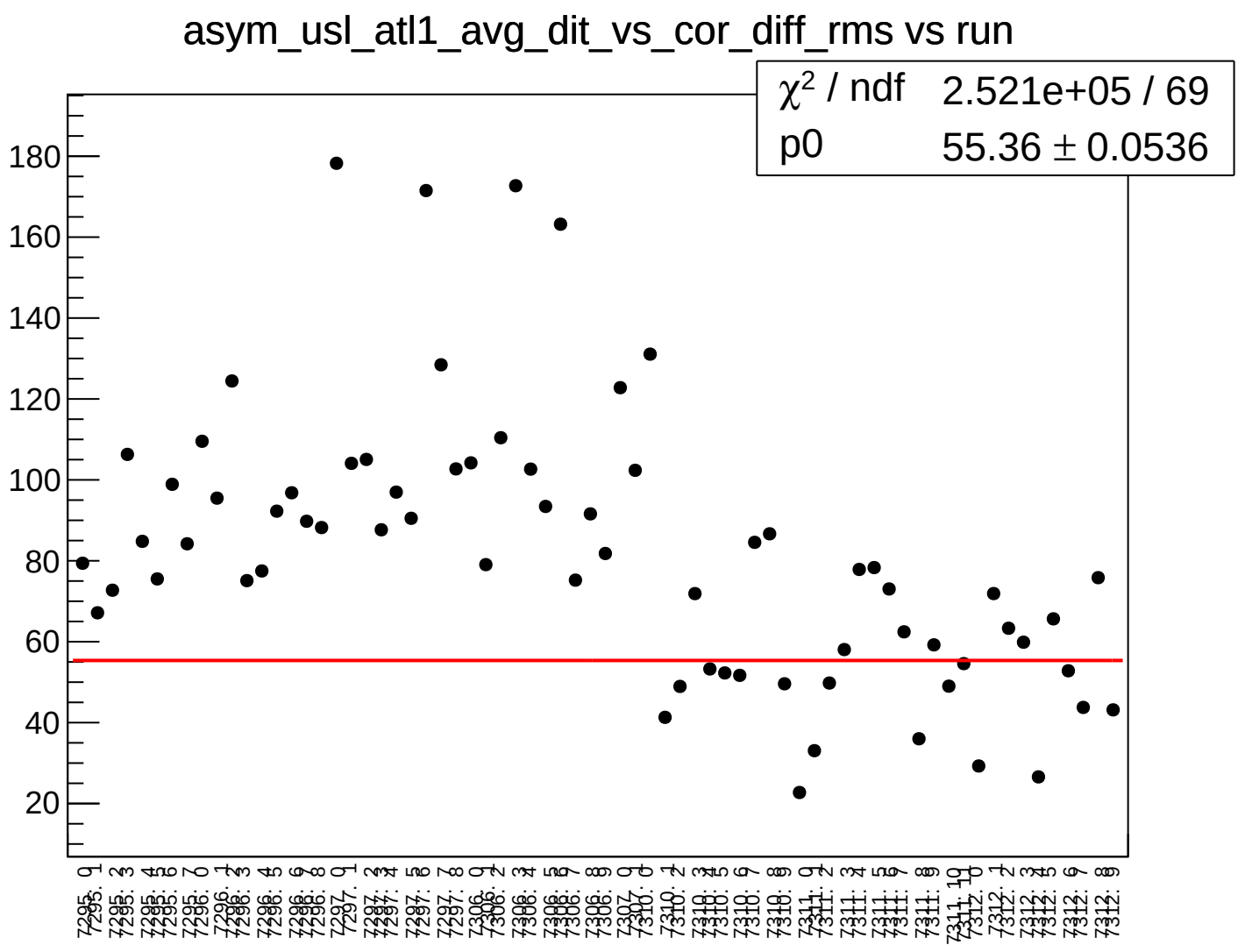

asym_usl_atl1_avg_rms vs run
χ² / ndf 6685 / 69
p0 1799 ± 1.57
2400
2200
2000
1800
1600

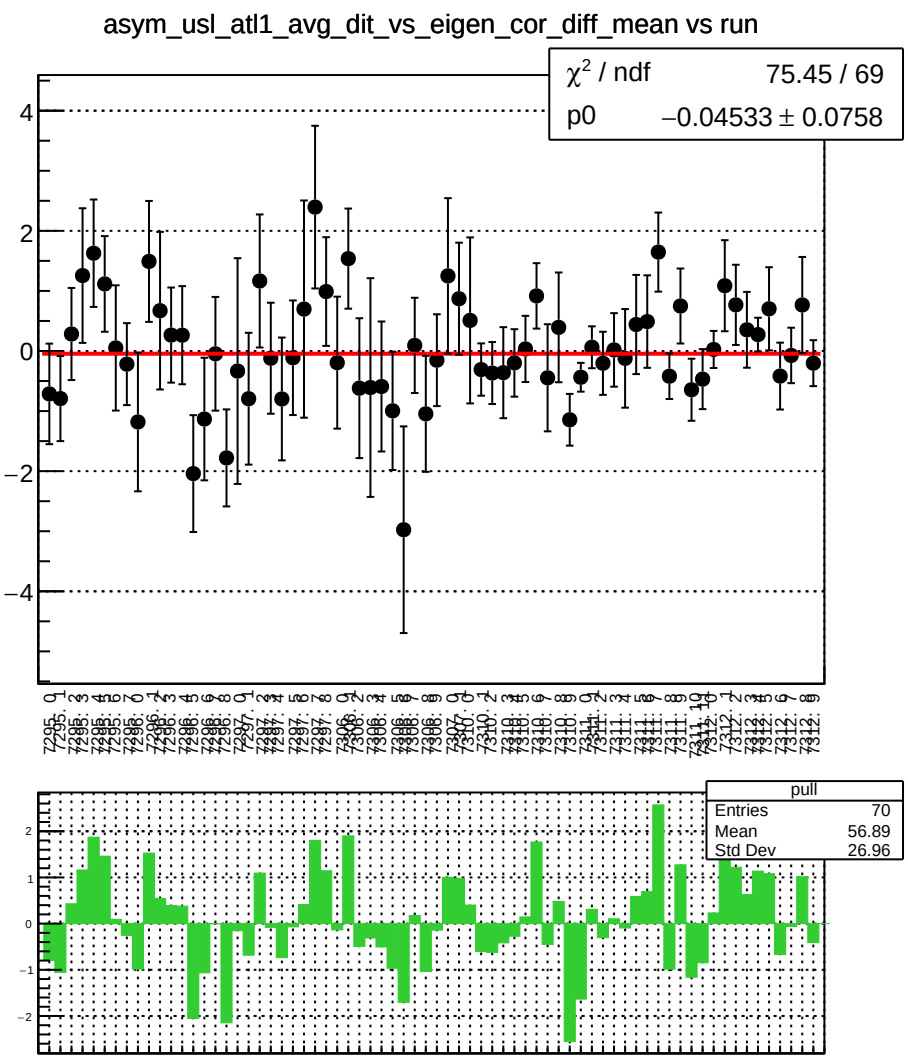

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.92 / 69
p0 5.679e−15 ± 2.956e−14
pull
Entries 70
Mean 0.2734
Std Dev 0
pull1D
Entries 70
Mean 0.04946
Std Dev 0.9004

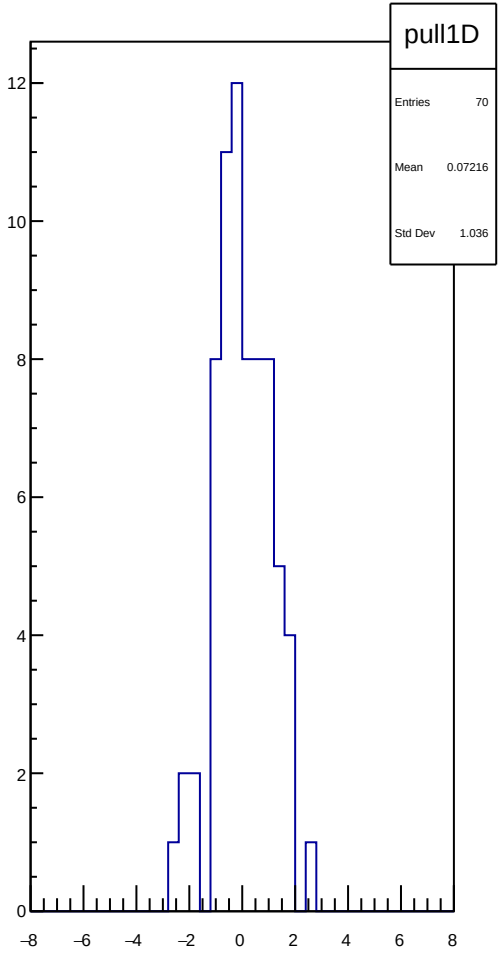

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.247e+05 / 69
p0 1.47e−11 ± 2.09e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

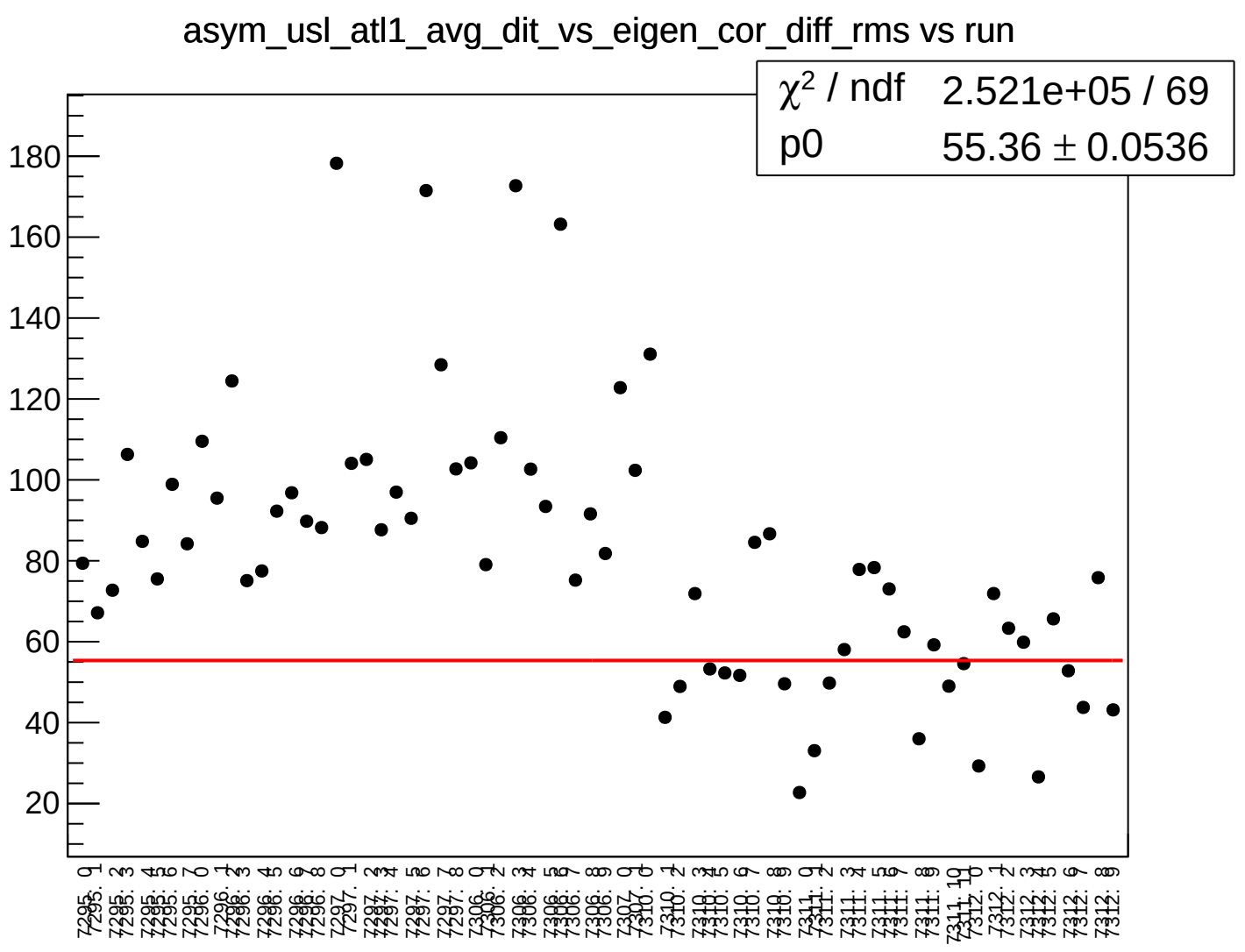

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.45 / 69
p0 −0.04533 ± 0.0758
pull
Entries 70
Mean 56.89
Std Dev 26.96

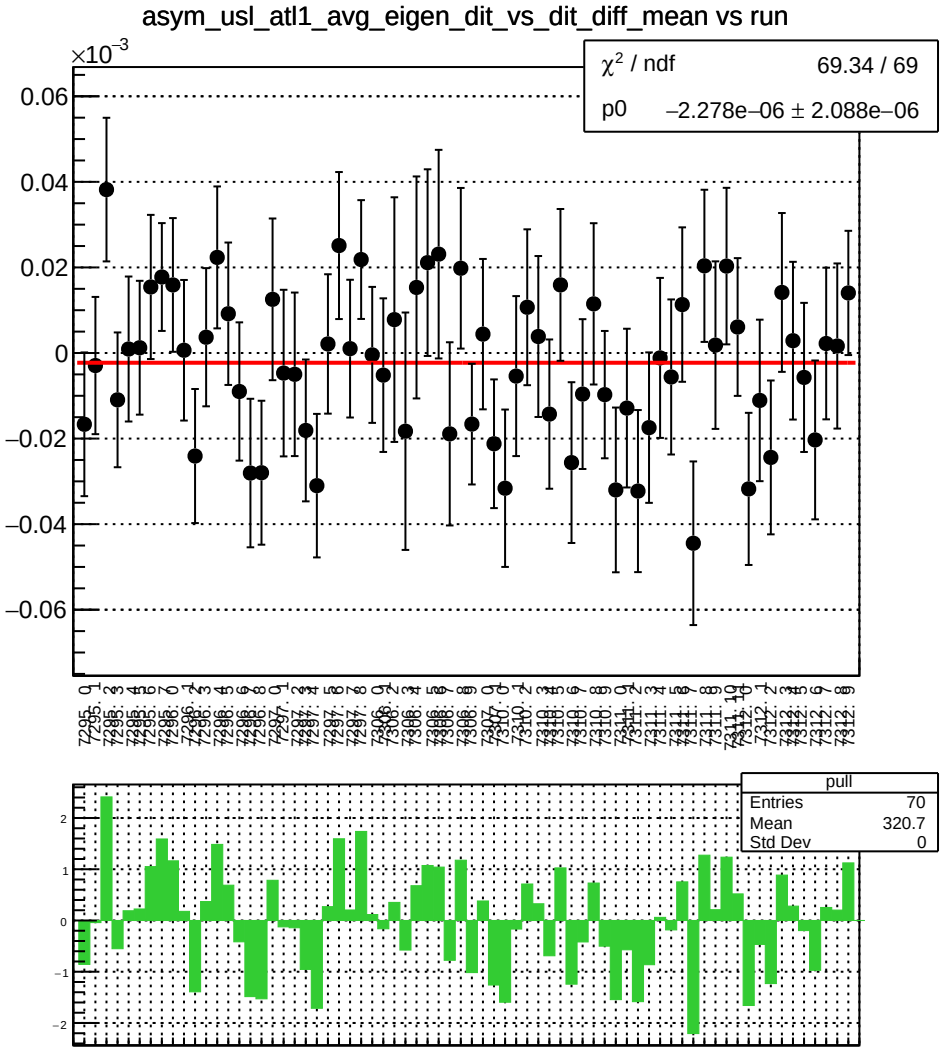

pull1D
Entries 70
Mean 0.07216
Std Dev 1.036

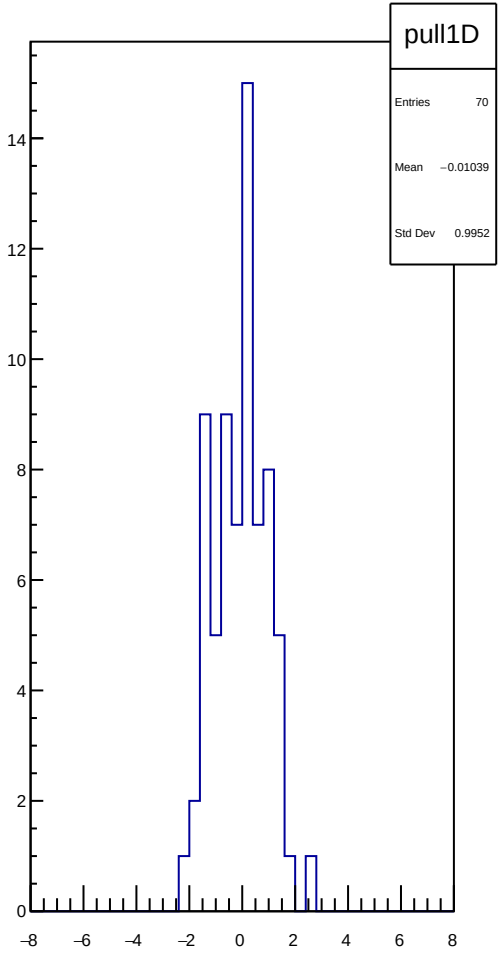

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.521e+05 / 69
p0 55.36 ± 0.0536
180
160
140
120
100
80
60
40
20

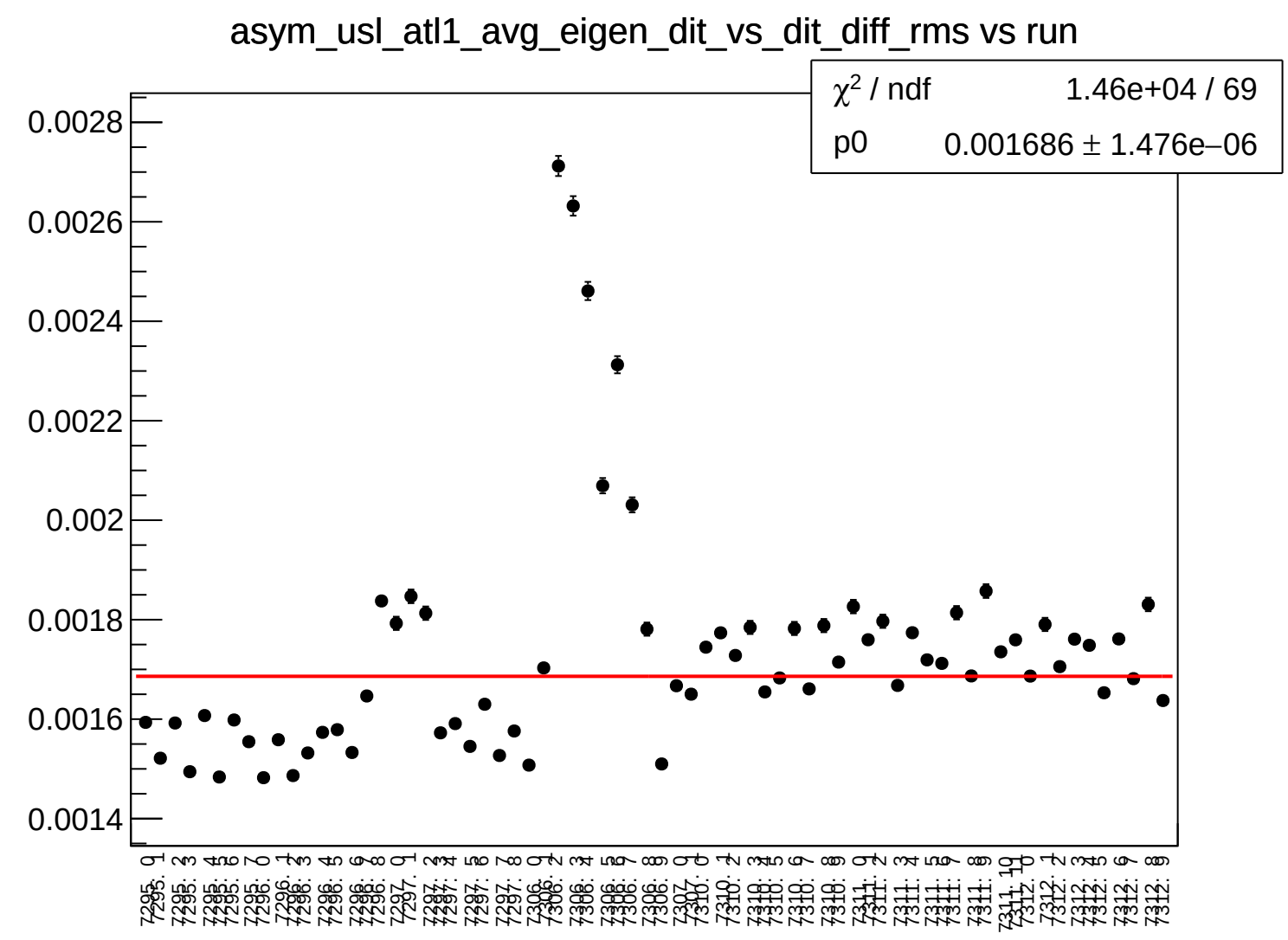

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.45 / 69
p0 −0.04533 ± 0.0758
pull
Entries 70
Mean 56.89
Std Dev 26.96

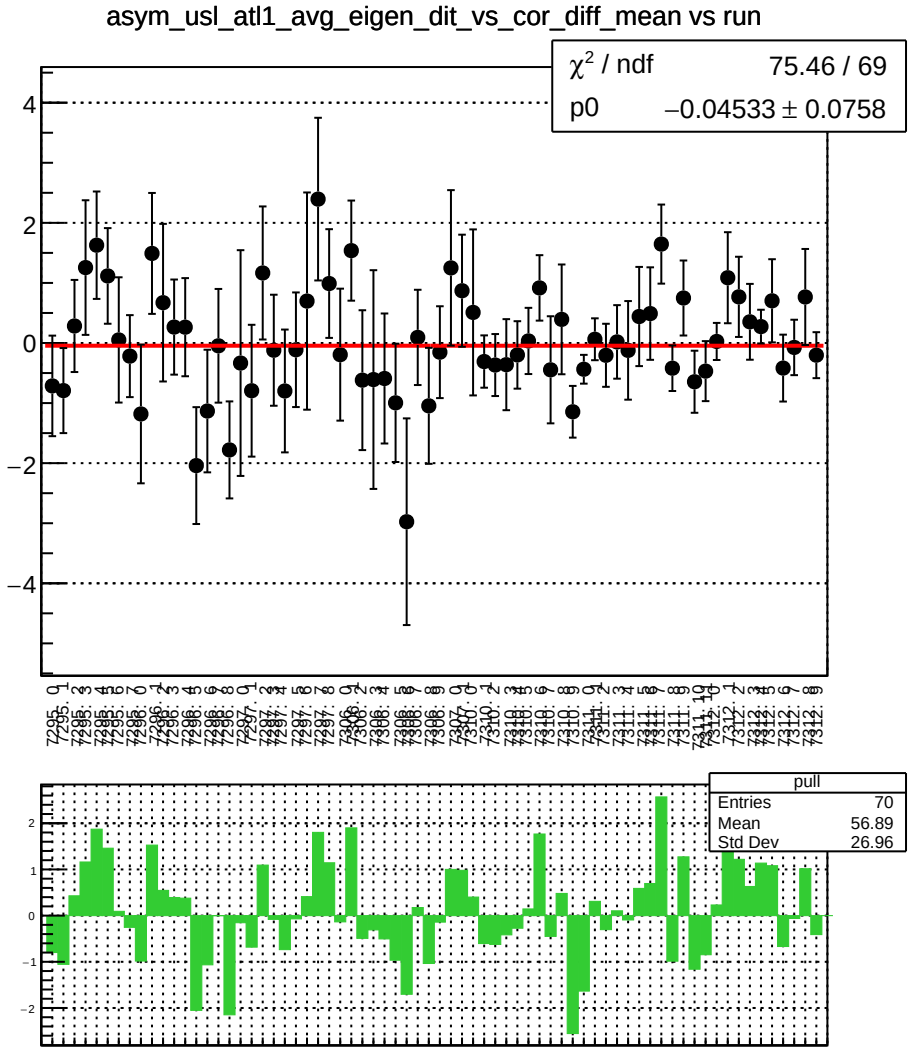

pull1D
Entries 70
Mean 0.07216
Std Dev 1.036

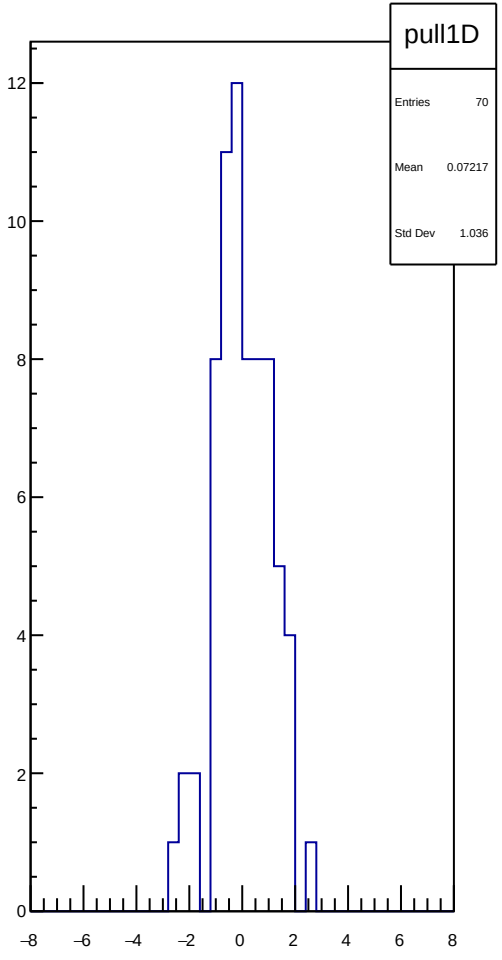

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.521e+05 / 69
p0 55.36 ± 0.0536
180
160
140
120
100
80
60
40
20

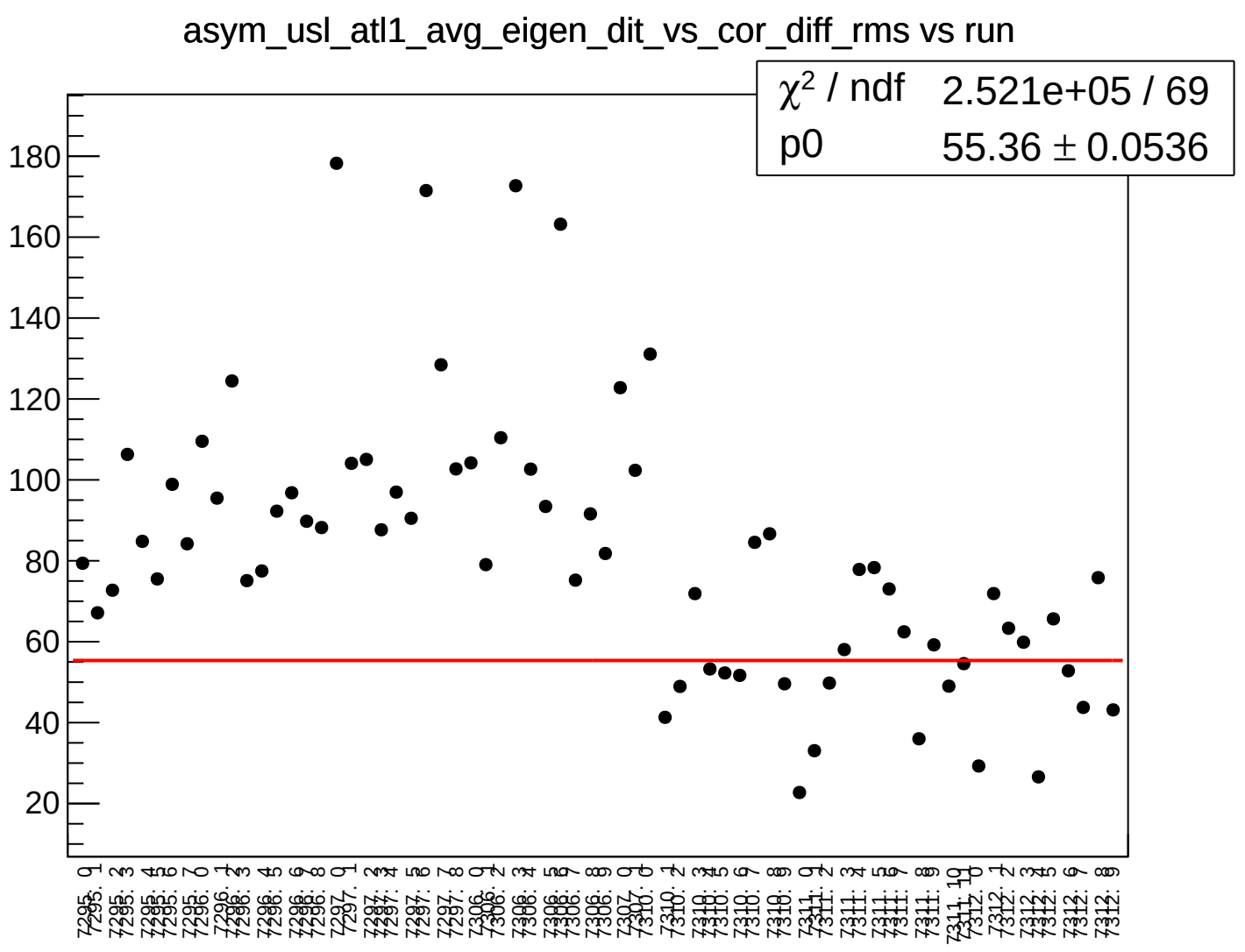

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.34 / 69
p0 −2.278e−06 ± 2.088e−06
pull
Entries 70
Mean 320.7
Std Dev 0

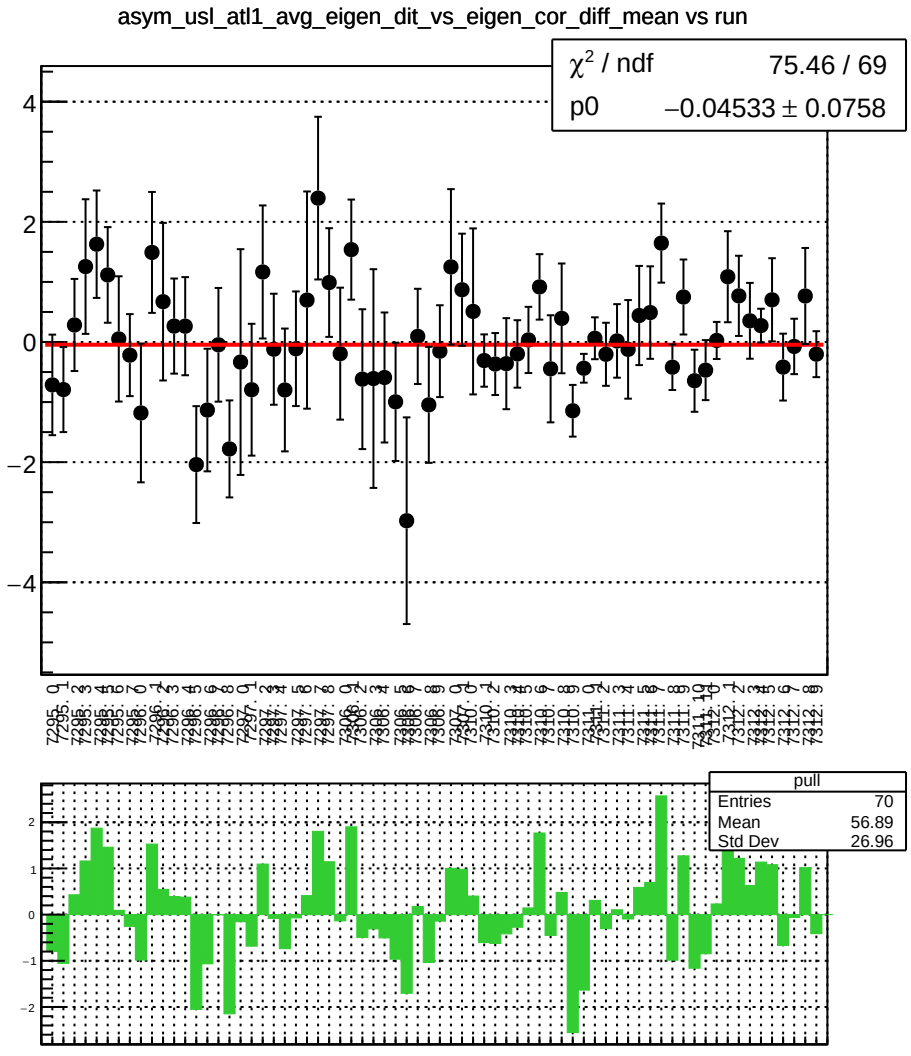

pull1D
Entries 70
Mean −0.01039
Std Dev 0.9952

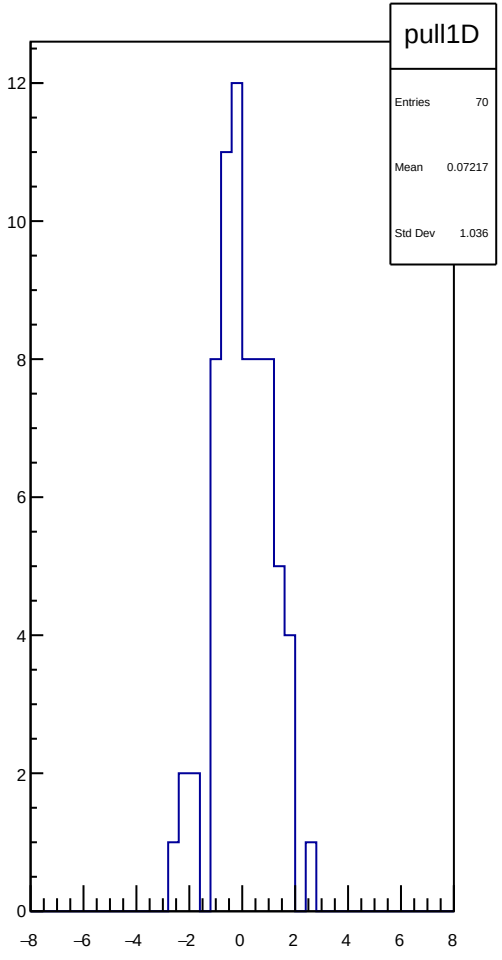

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.46e+04 / 69
p0 0.001686 ± 1.476e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014

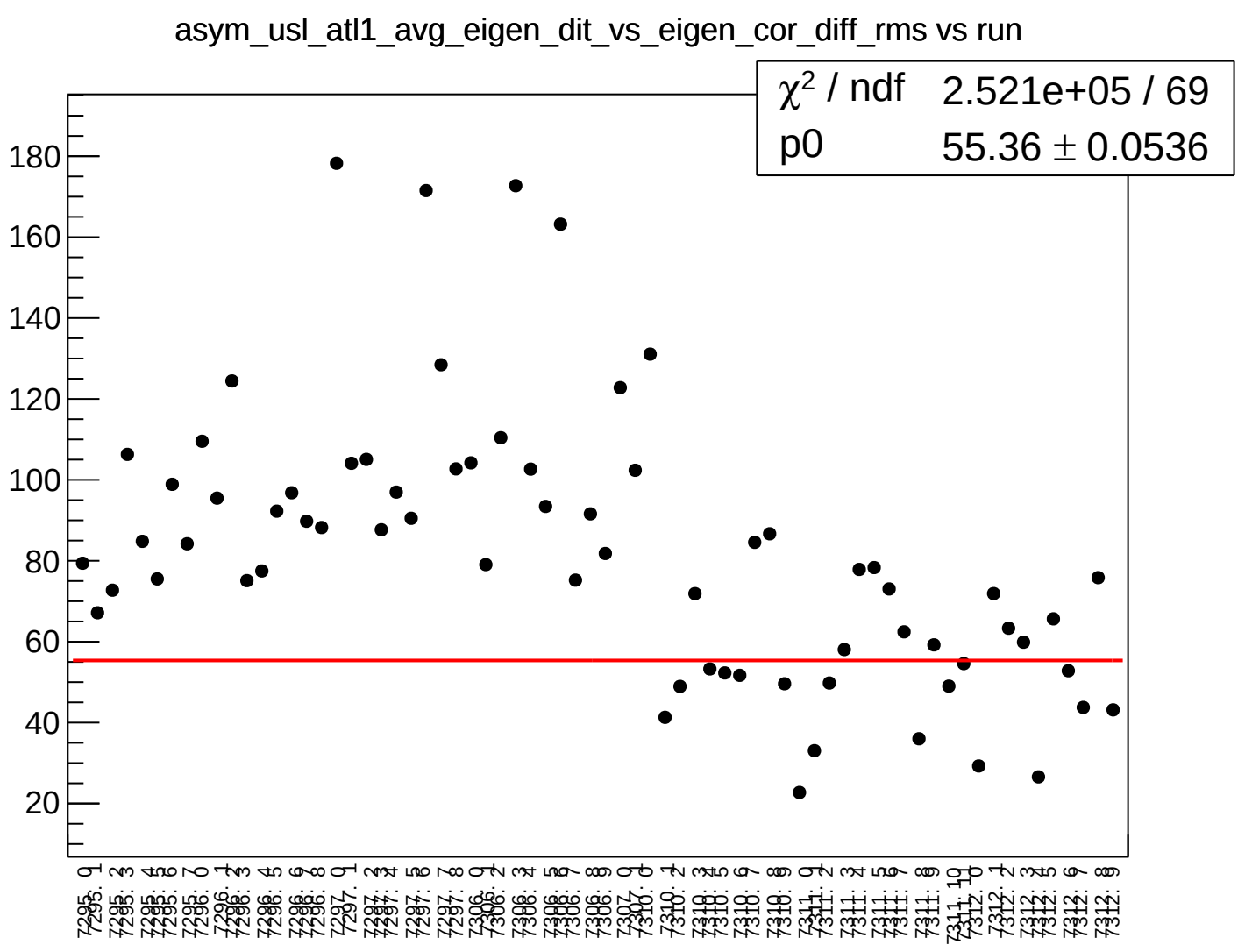

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.46 / 69
p0 −0.04533 ± 0.0758
pull
Entries 70
Mean 56.89
Std Dev 26.96

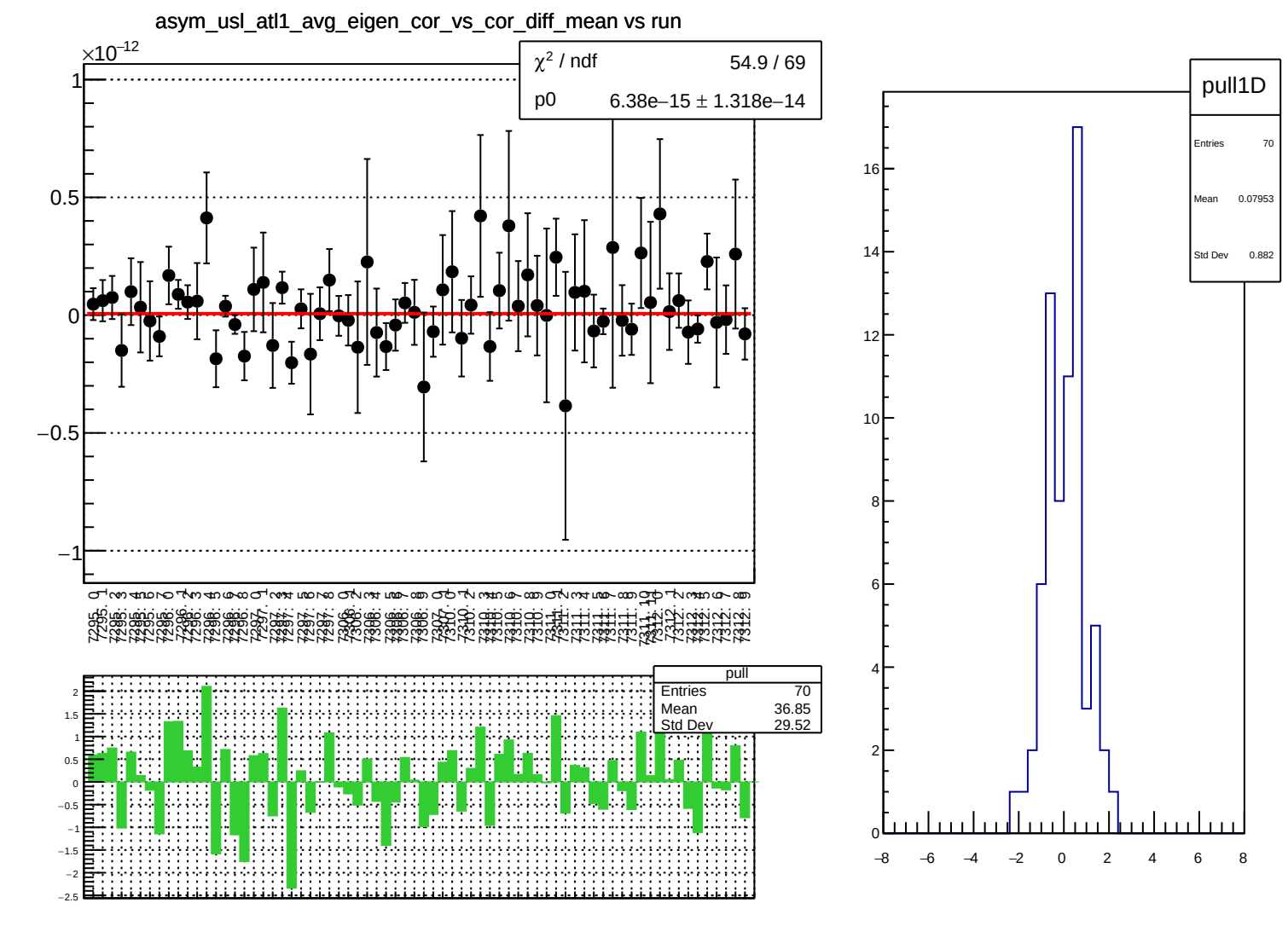

pull1D
Entries 70
Mean 0.07217
Std Dev 1.036

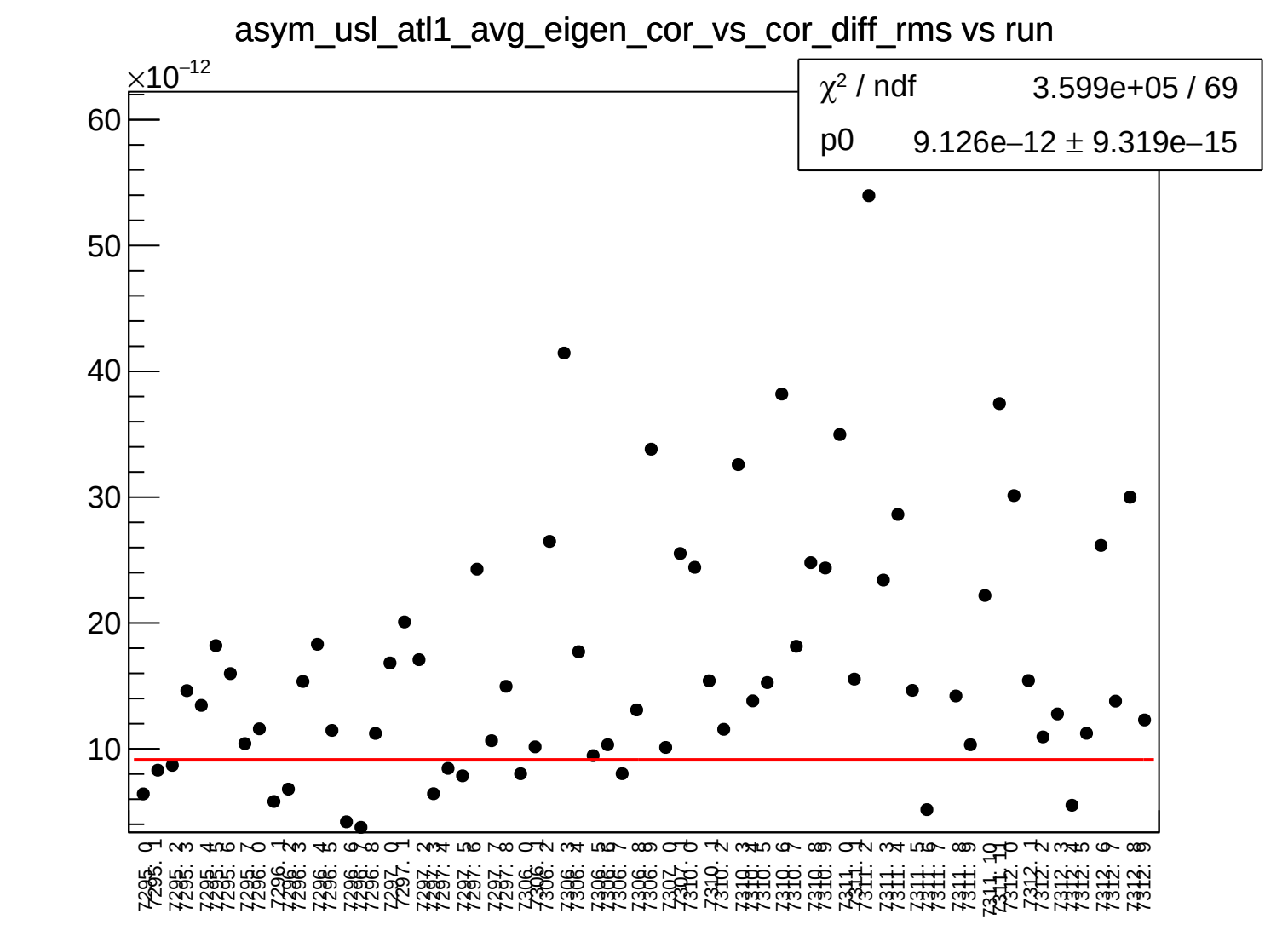

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.521e+05 / 69
p0 55.36 ± 0.0536
180
160
140
120
100
80
60
40
20

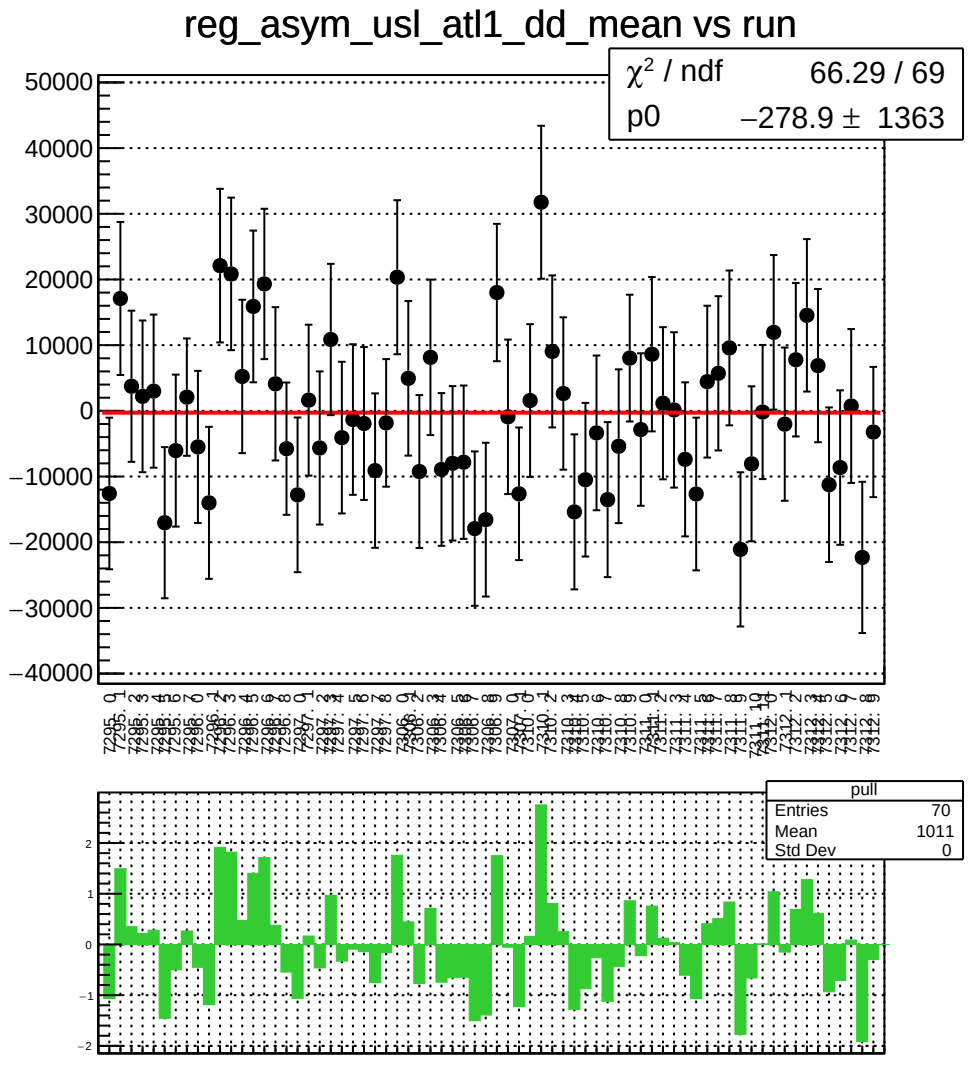

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.46 / 69
p0 −0.04533 ± 0.0758
pull
Entries 70
Mean 56.89
Std Dev 26.96

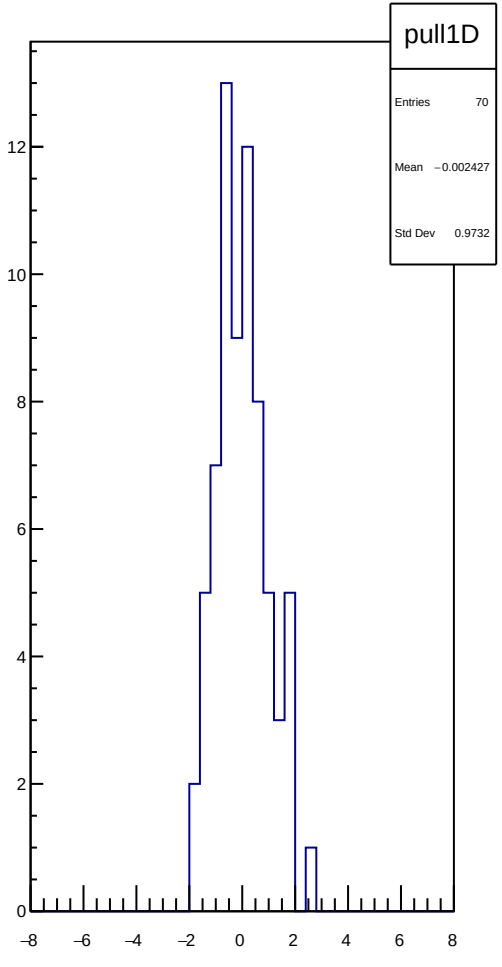

pull1D
Entries 70
Mean 0.07217
Std Dev 1.036

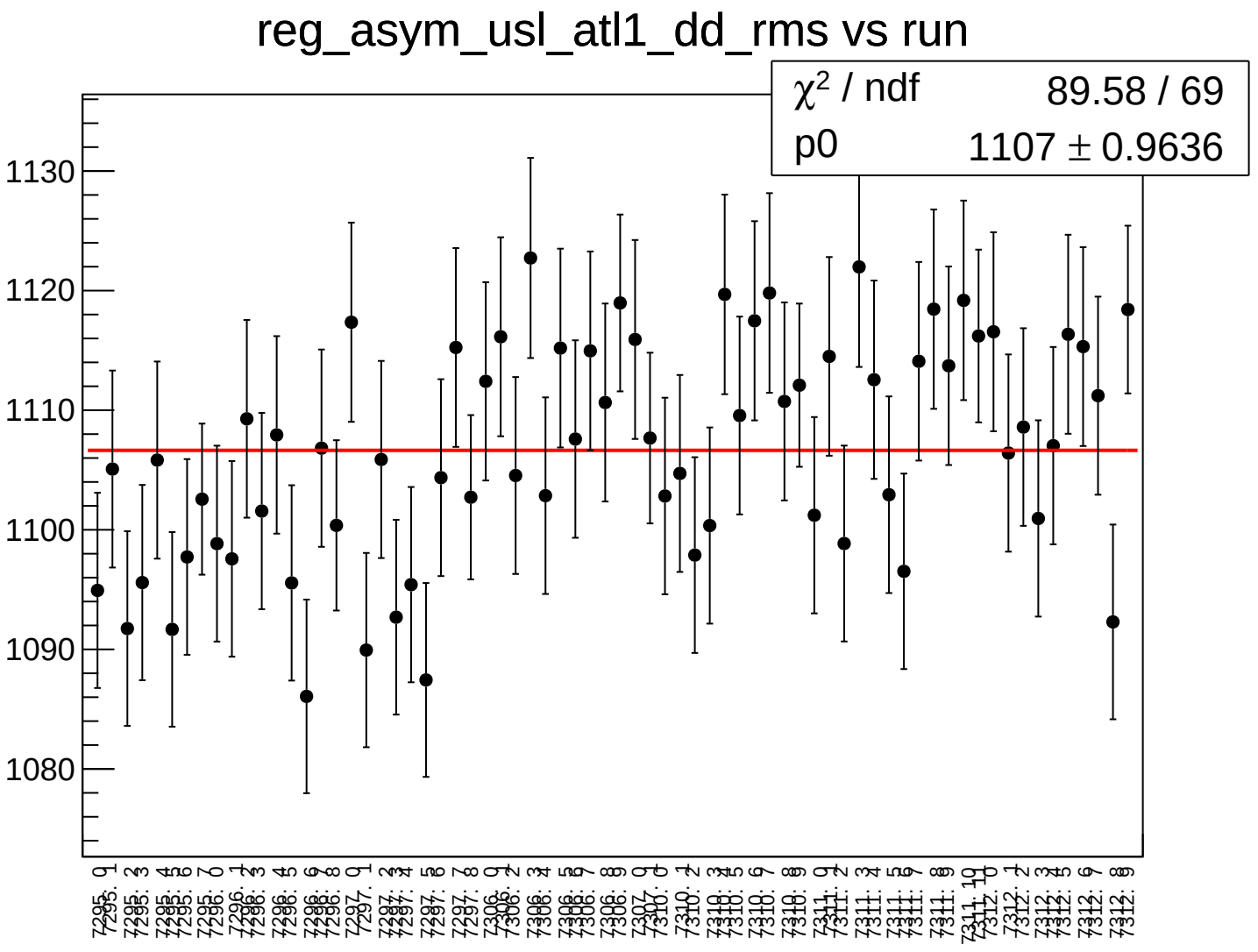

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.521e+05 / 69
p0 55.36 ± 0.0536
180
160
140
120
100
80
60
40
20

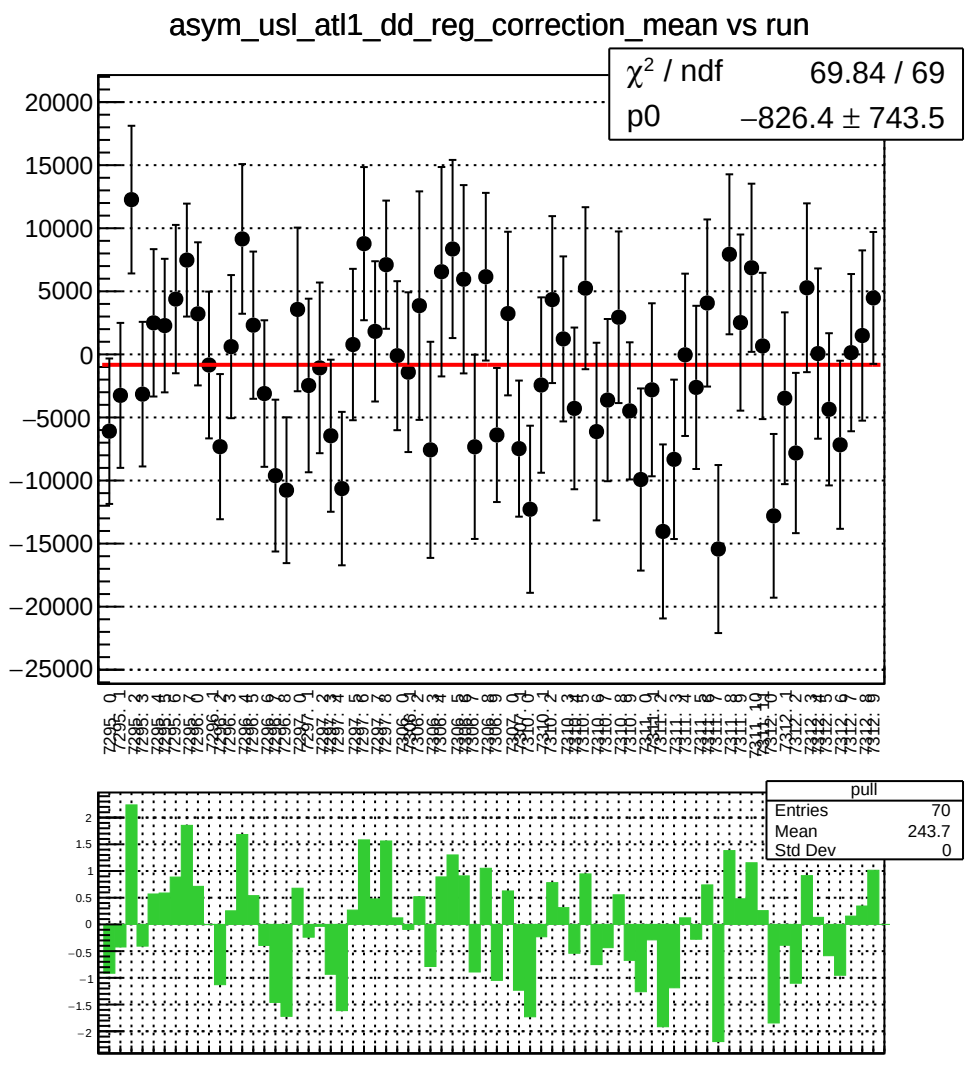

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.9 / 69
p0 6.38e−15 ± 1.318e−14
pull
Entries 70
Mean 36.85
Std Dev 29.52
pull1D
Entries 70
Mean 0.07953
Std Dev 0.882

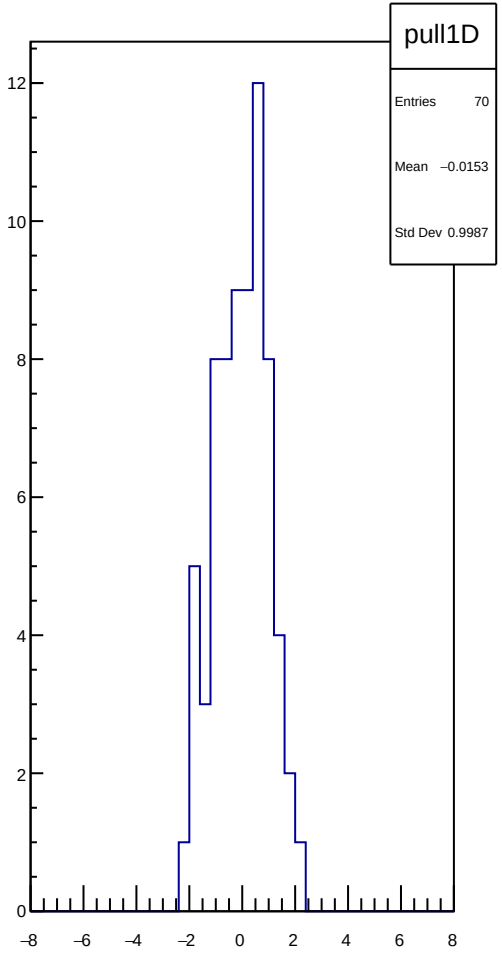

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.599e+05 / 69
p0 9.126e−12 ± 9.319e−15
60
50
40
30
20
10

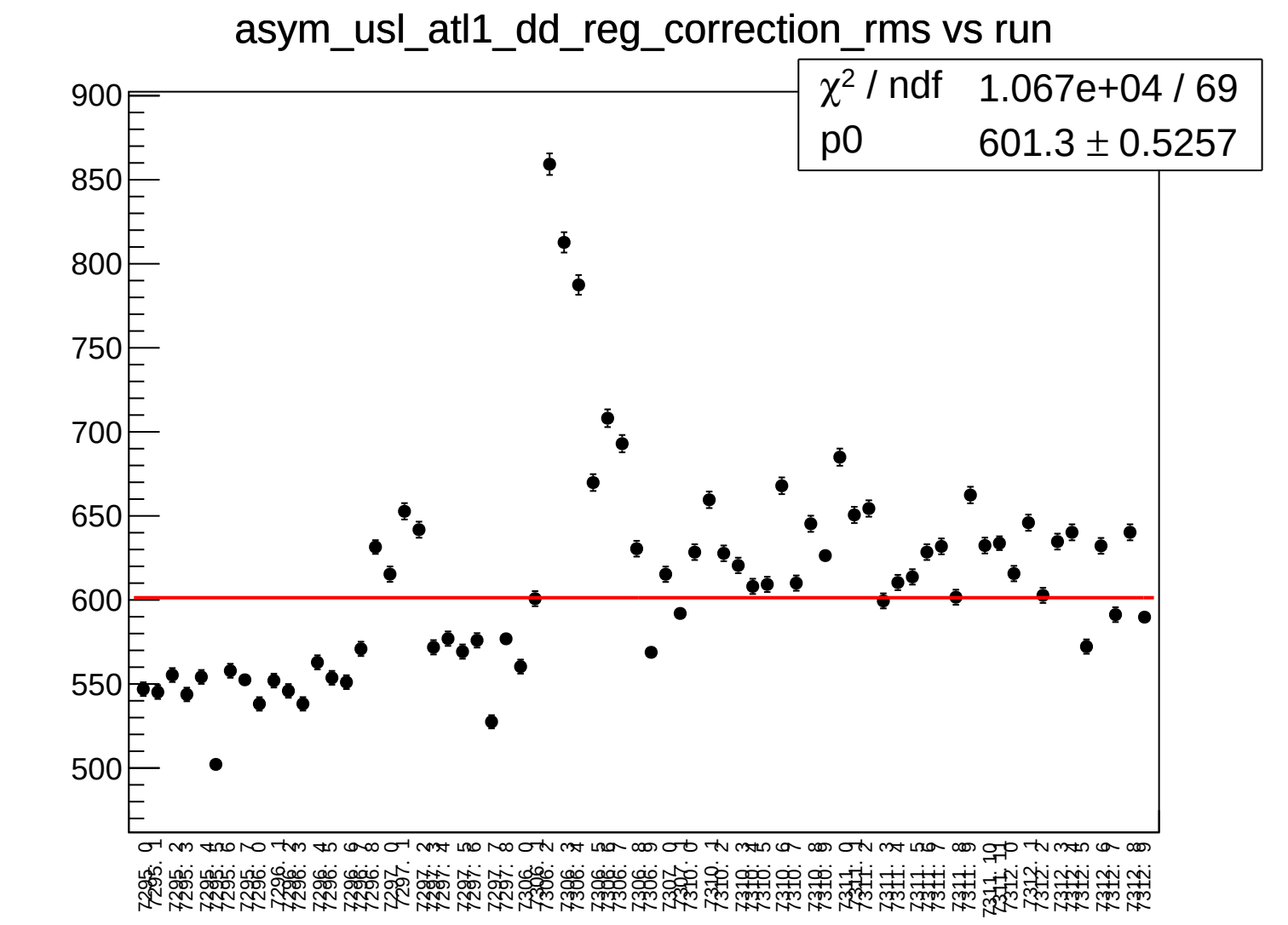

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 66.29 / 69
p0 −278.9 ± 1363
pull
Entries 70
Mean 1011
Std Dev 0

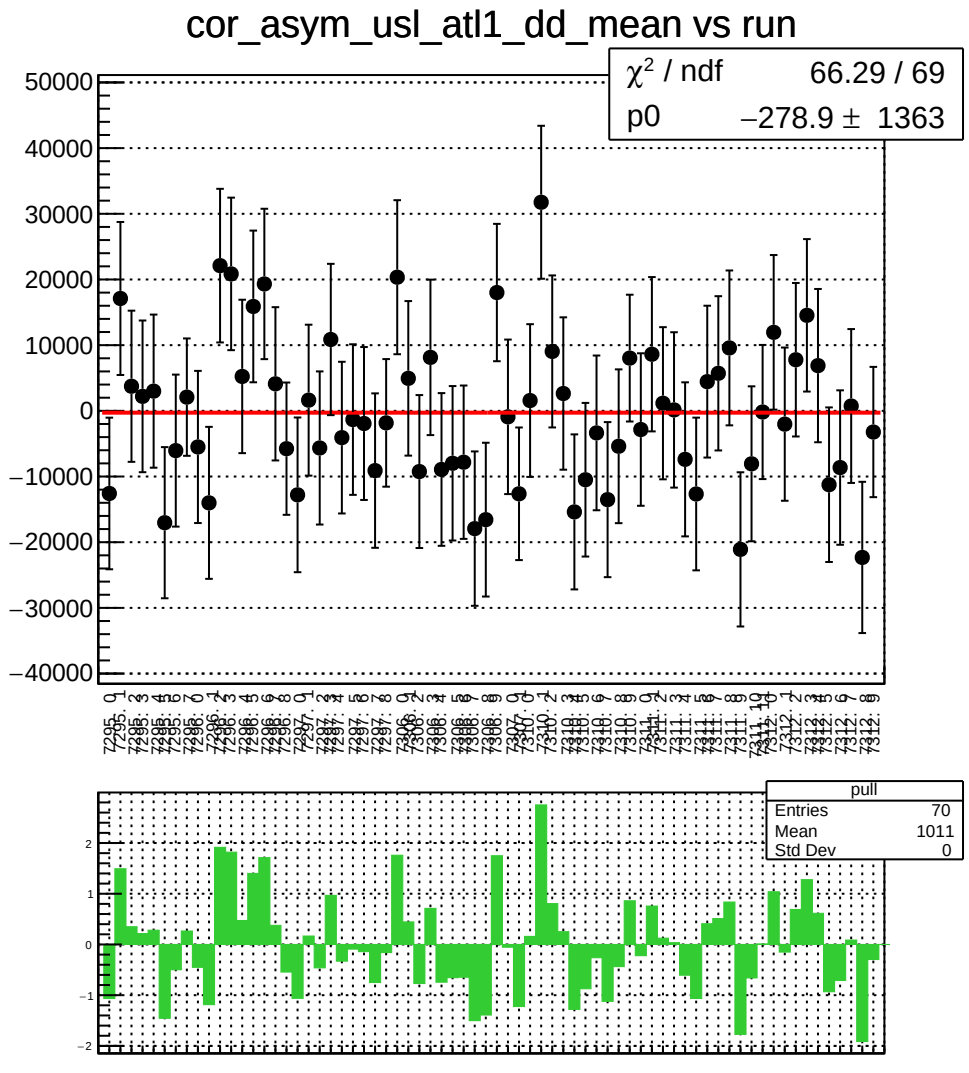

pull1D
Entries 70
Mean −0.002427
Std Dev 0.9732

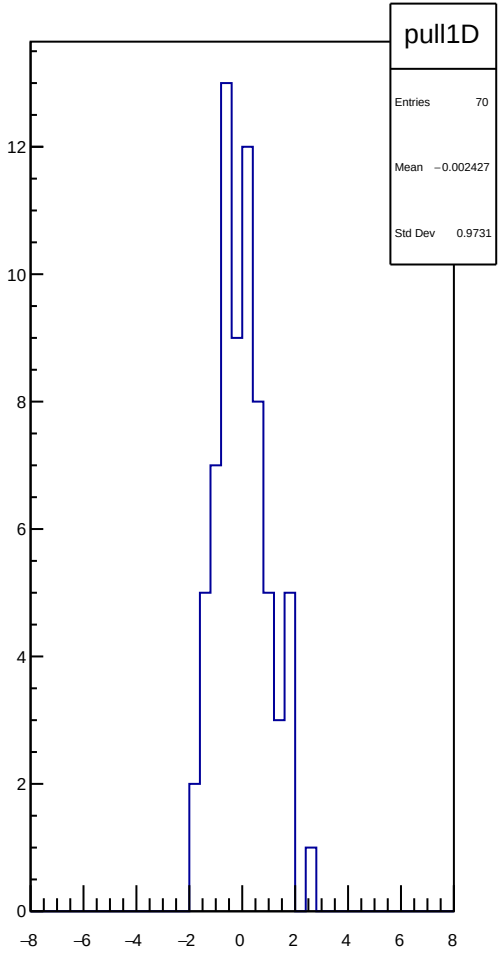

reg_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 89.58 / 69
p0 1107 ± 0.9636
1130
1120
1110
1100
1090
1080

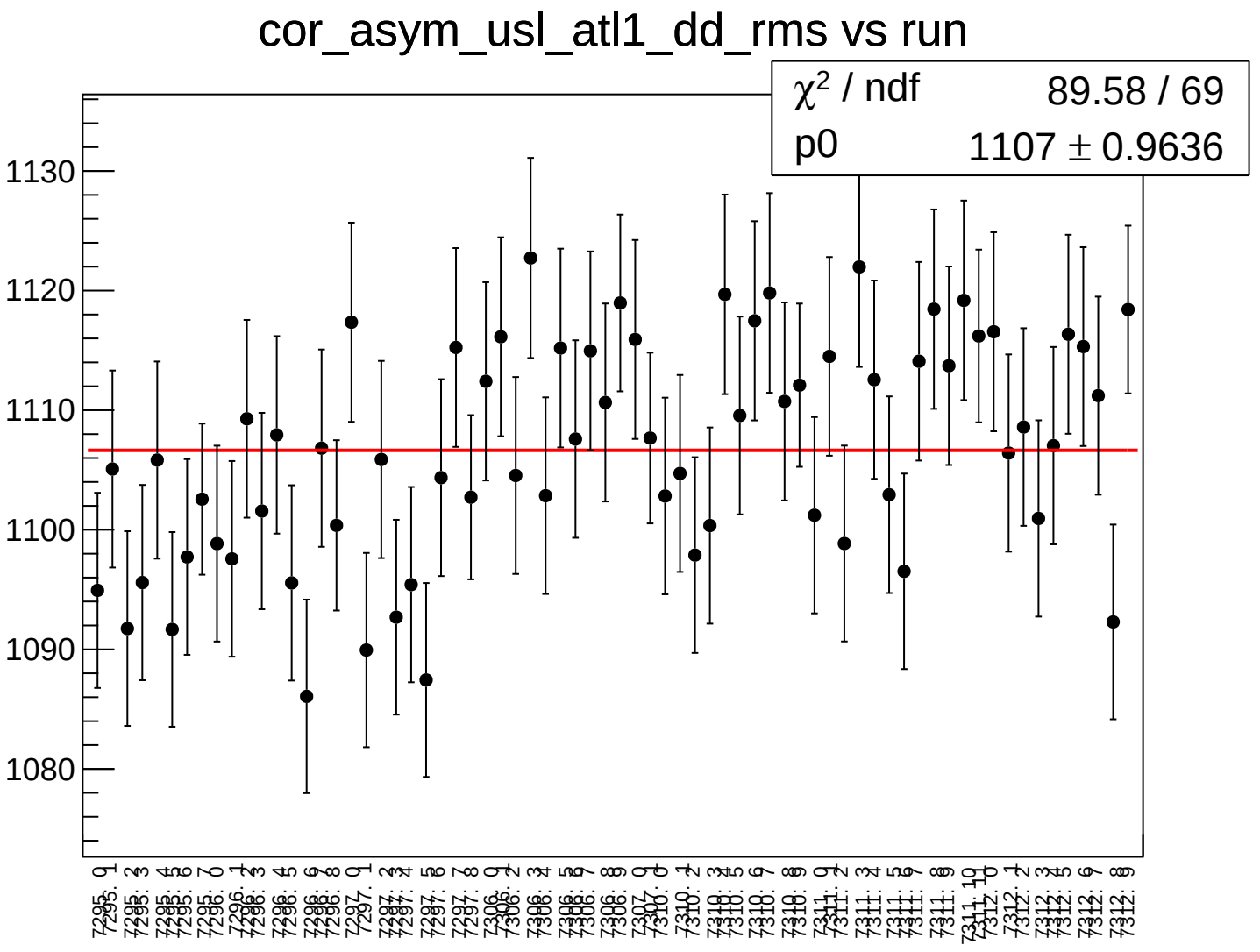

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 69.84 / 69
p0 −826.4 ± 743.5
pull
Entries 70
Mean 243.7
Std Dev 0

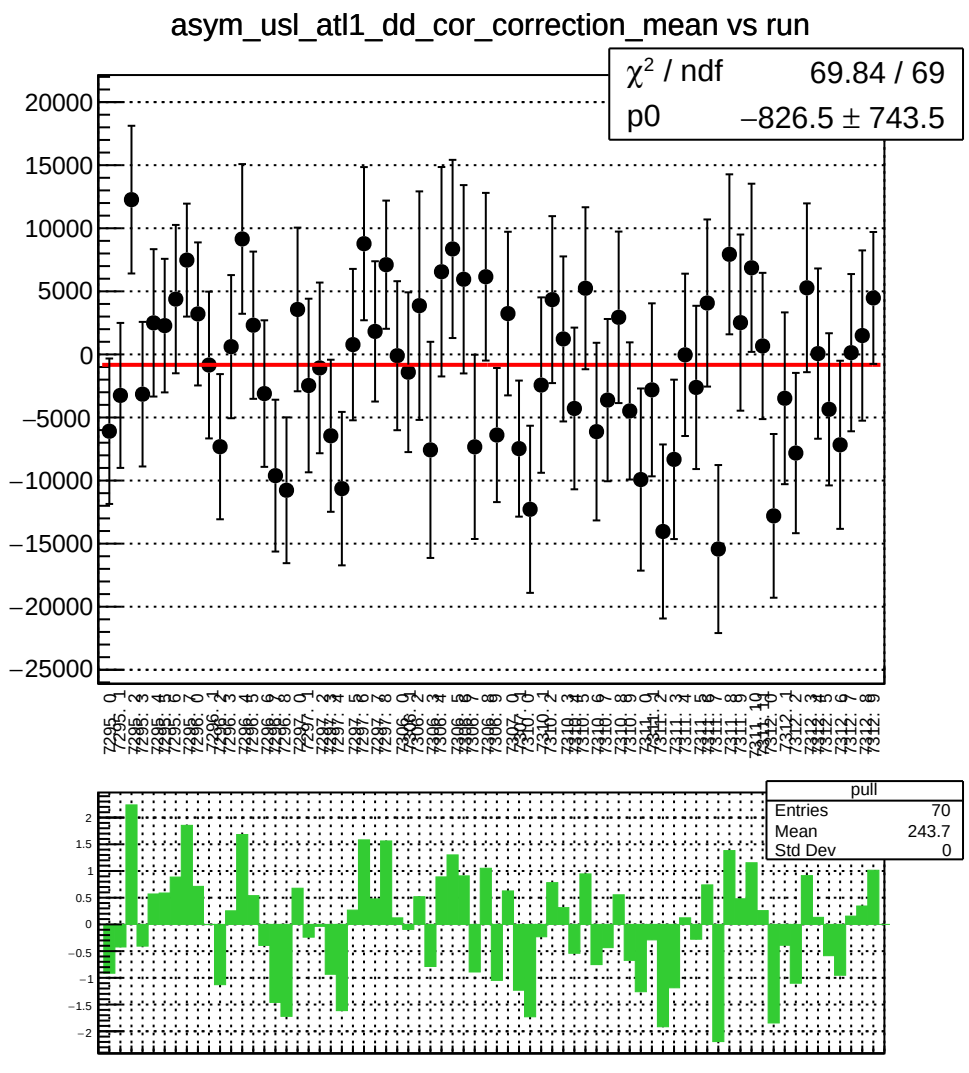

pull1D
Entries 70
Mean −0.0153
Std Dev 0.9987

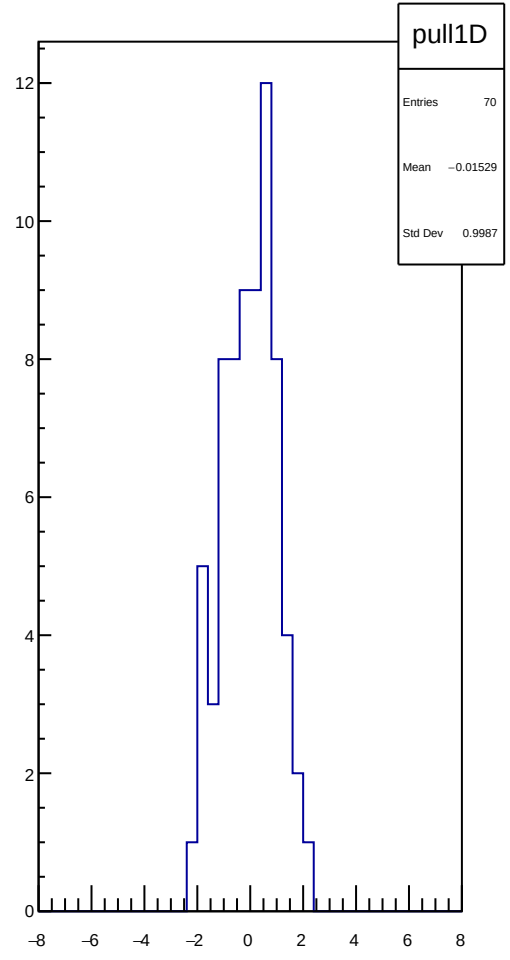

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1.067e+04 / 69
p0 601.3 ± 0.5257
900
850
800
750
700
650
600
550
500

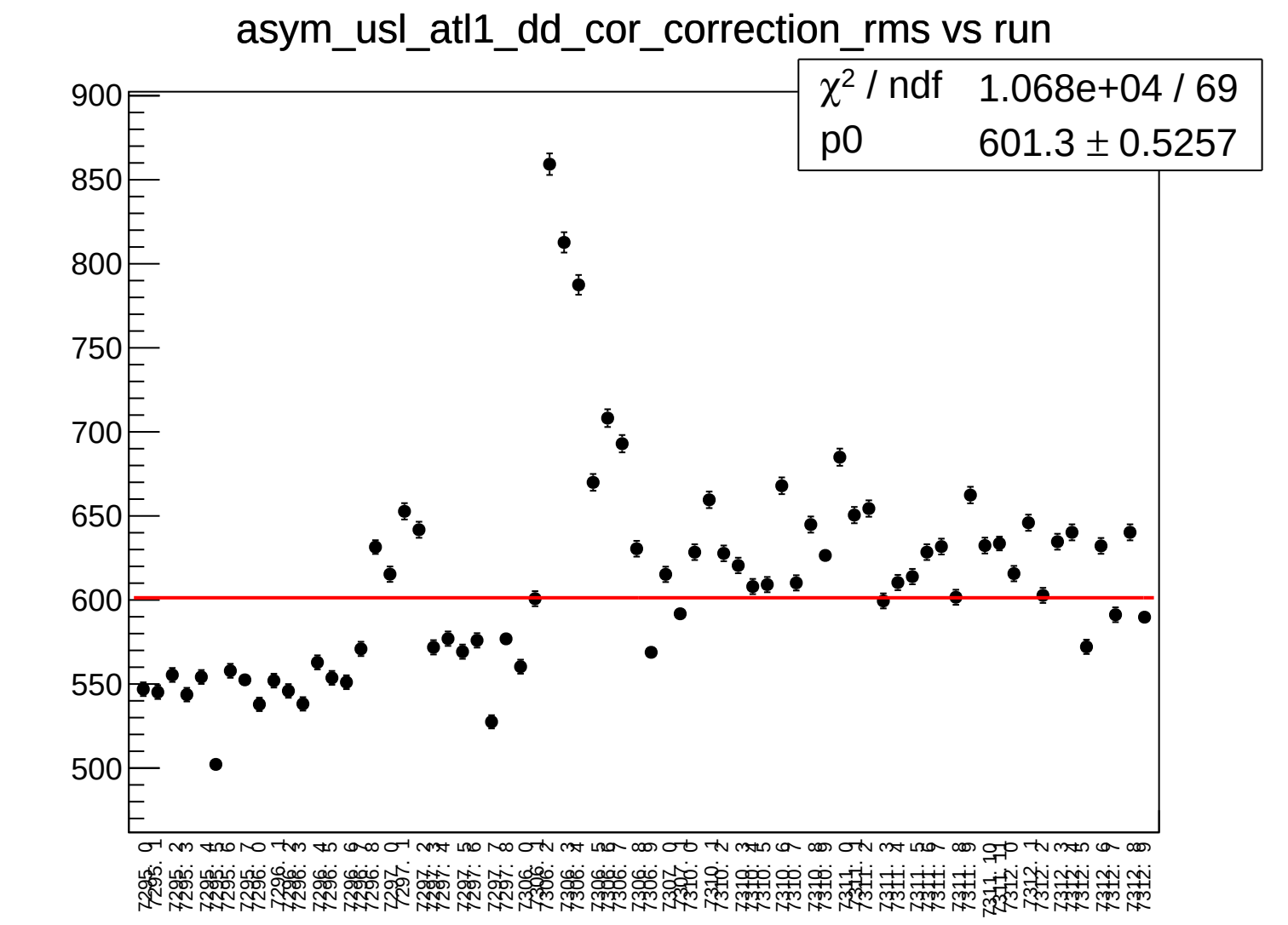

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 66.29 / 69
p0 −278.9 ± 1363
pull
Entries 70
Mean 1011
Std Dev 0

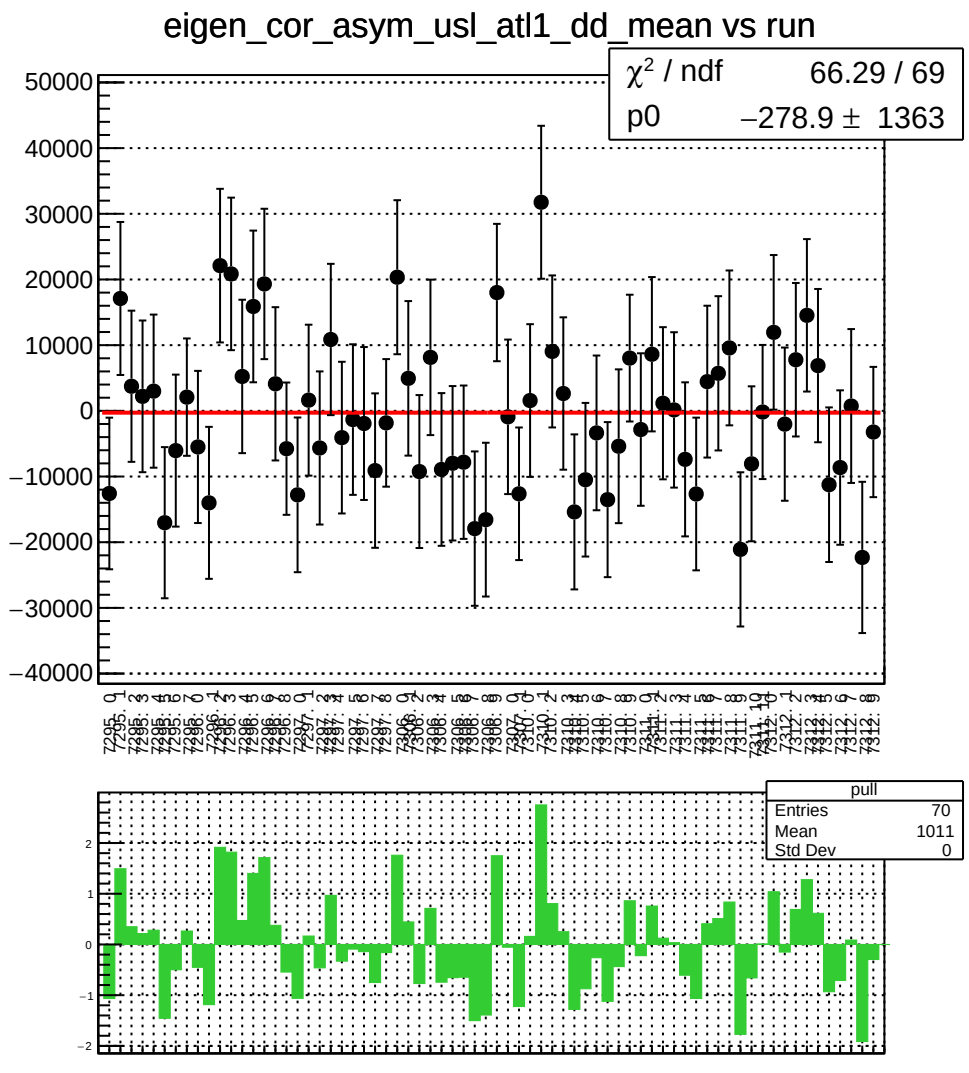

pull1D
Entries 70
Mean −0.002427
Std Dev 0.9731

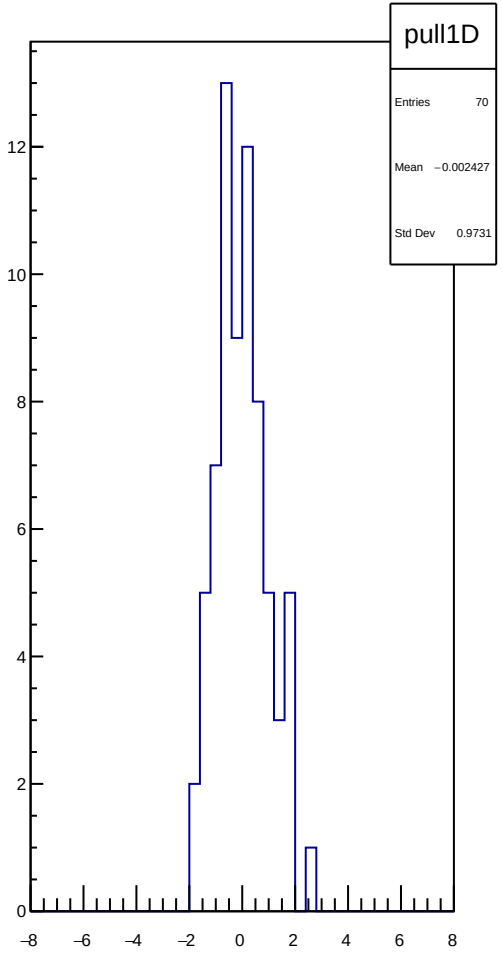

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 89.58 / 69
p0 1107 ± 0.9636
1130
1120
1110
1100
1090
1080

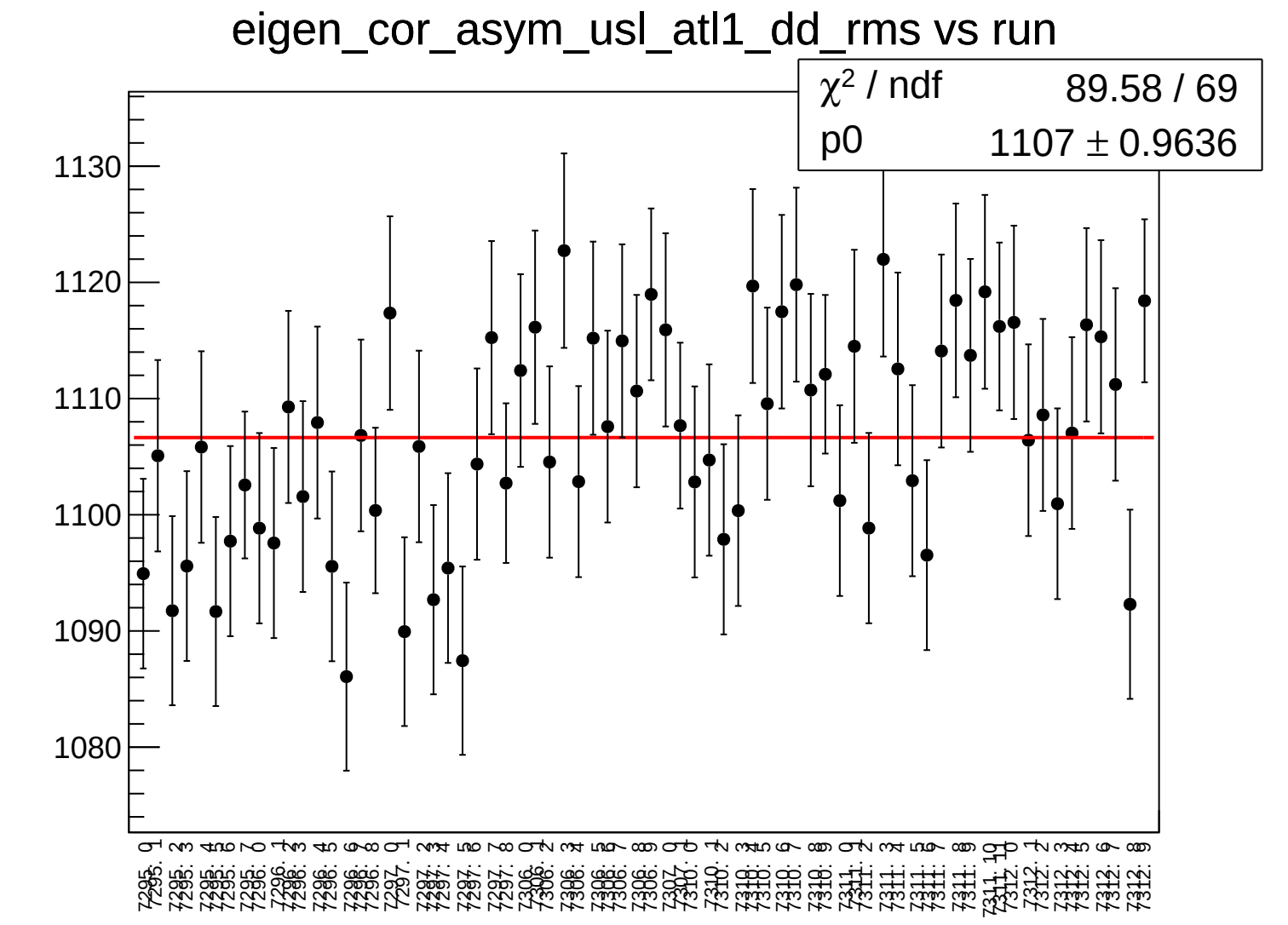

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 69.84 / 69
p0 −826.5 ± 743.5
pull
Entries 70
Mean 243.7
Std Dev 0

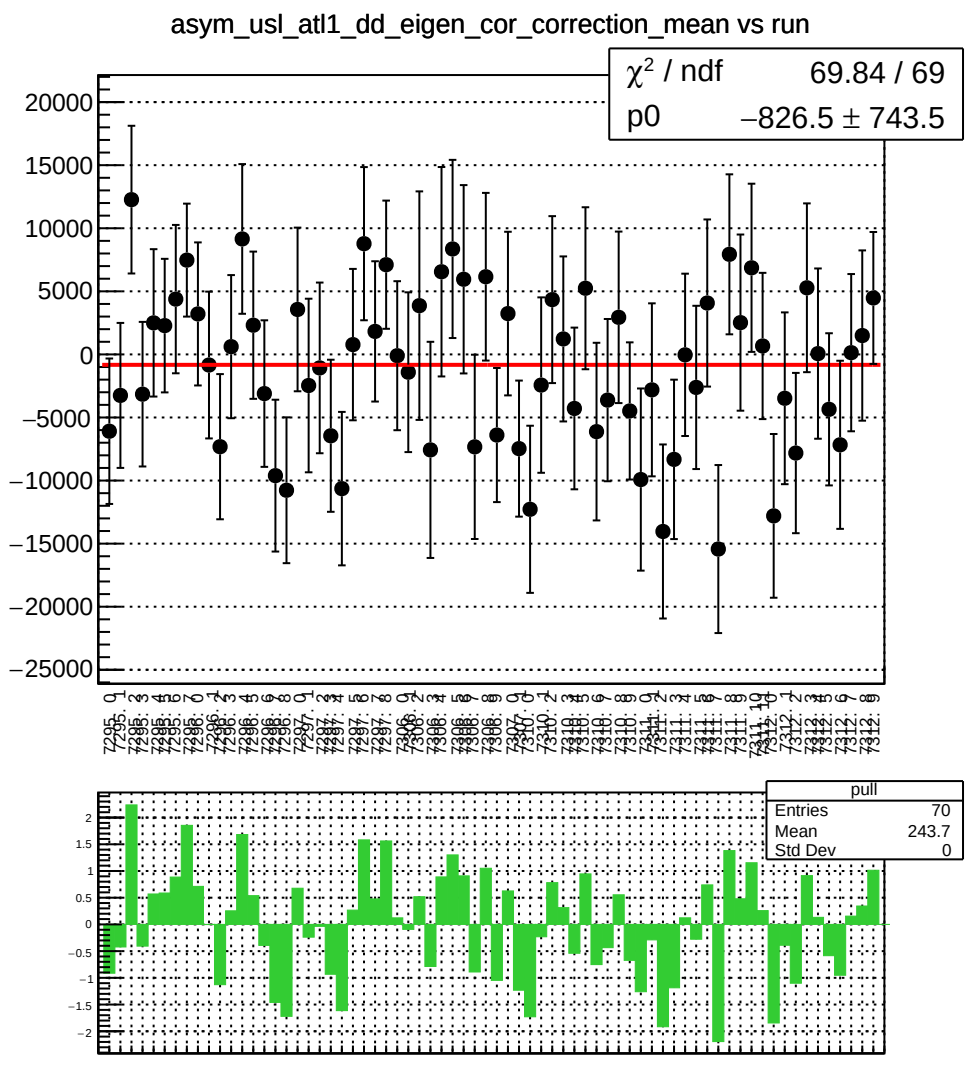

pull1D
Entries 70
Mean −0.01529
Std Dev 0.9987

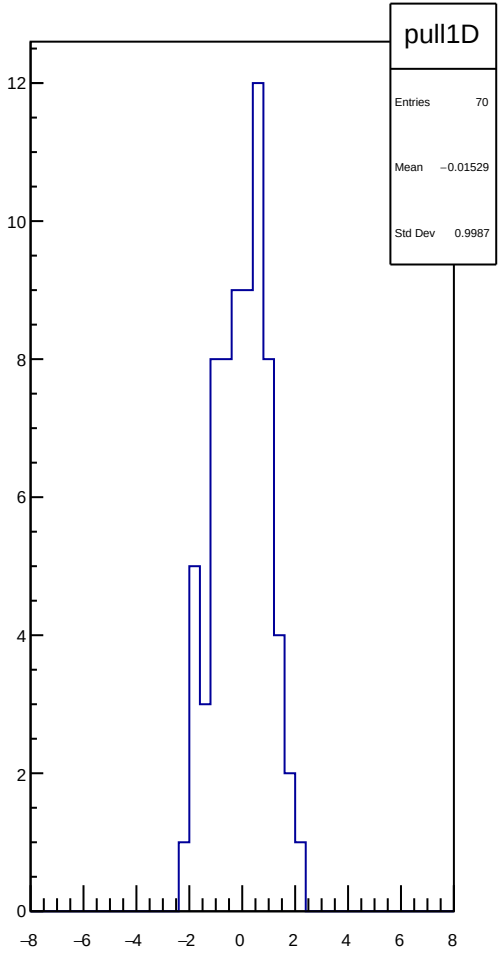

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1.068e+04 / 69
p0 601.3 ± 0.5257
900
850
800
750
700
650
600
550
500

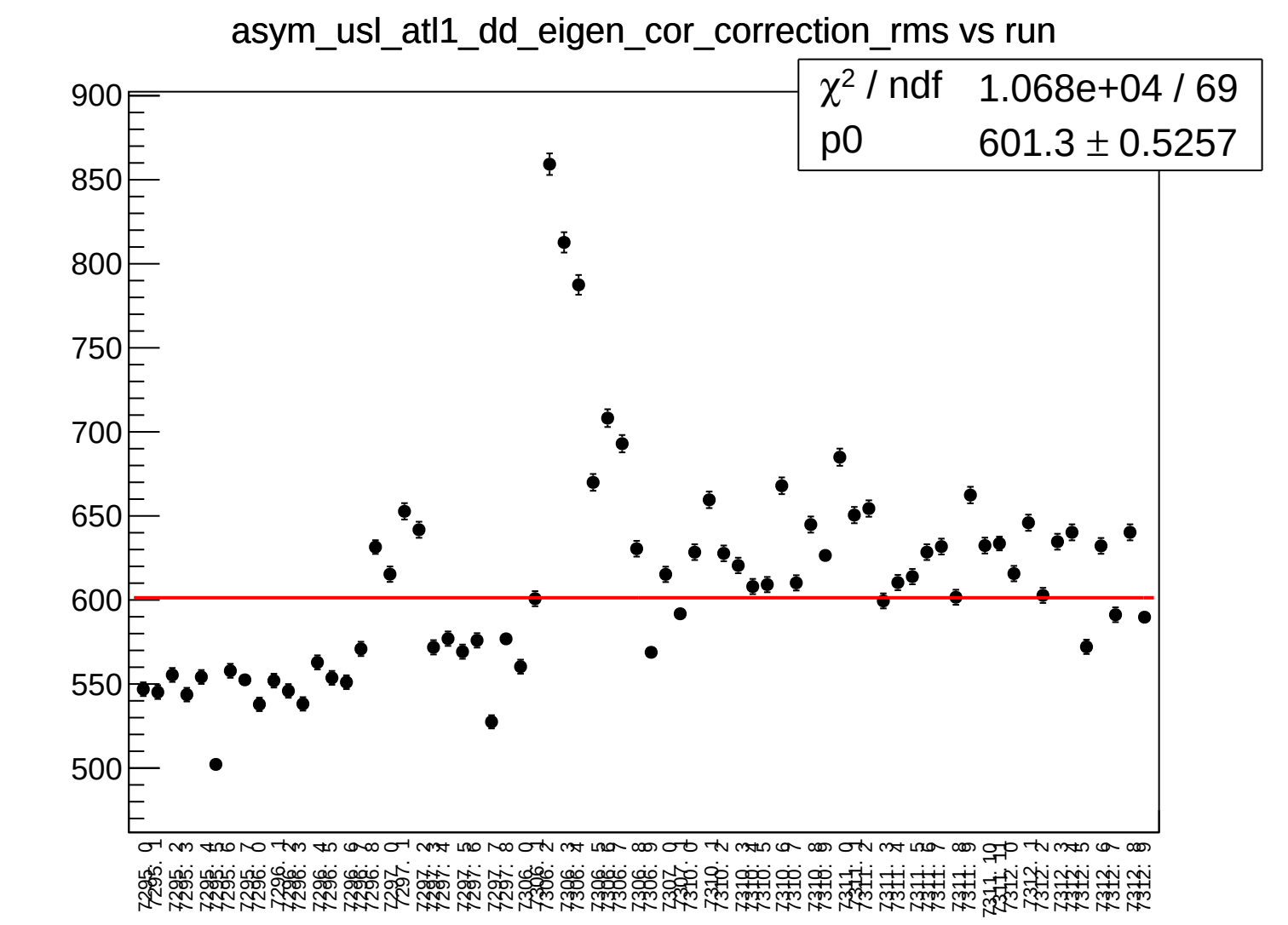

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 66.29 / 69
p0 −278.9 ± 1363
pull
Entries 70
Mean 1011
Std Dev 0

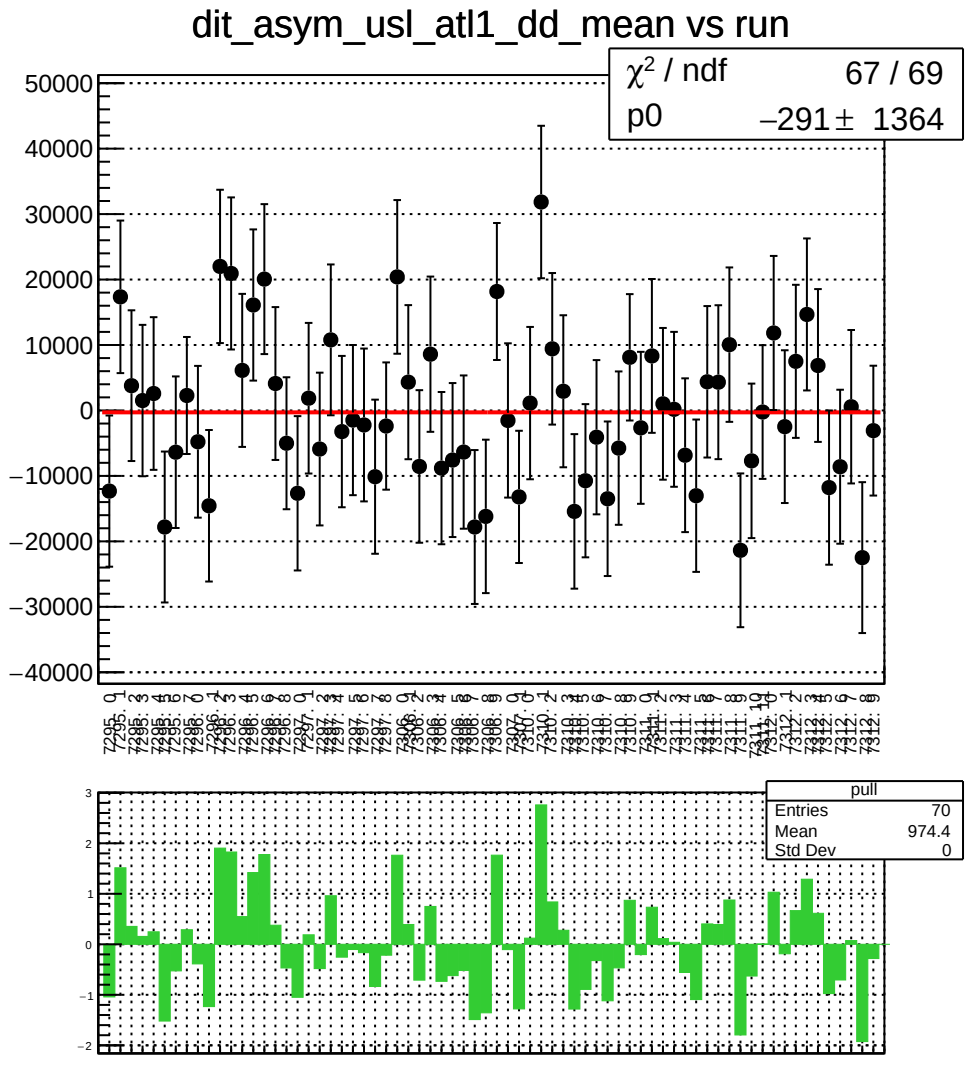

pull1D
Entries 70
Mean −0.002427
Std Dev 0.9731

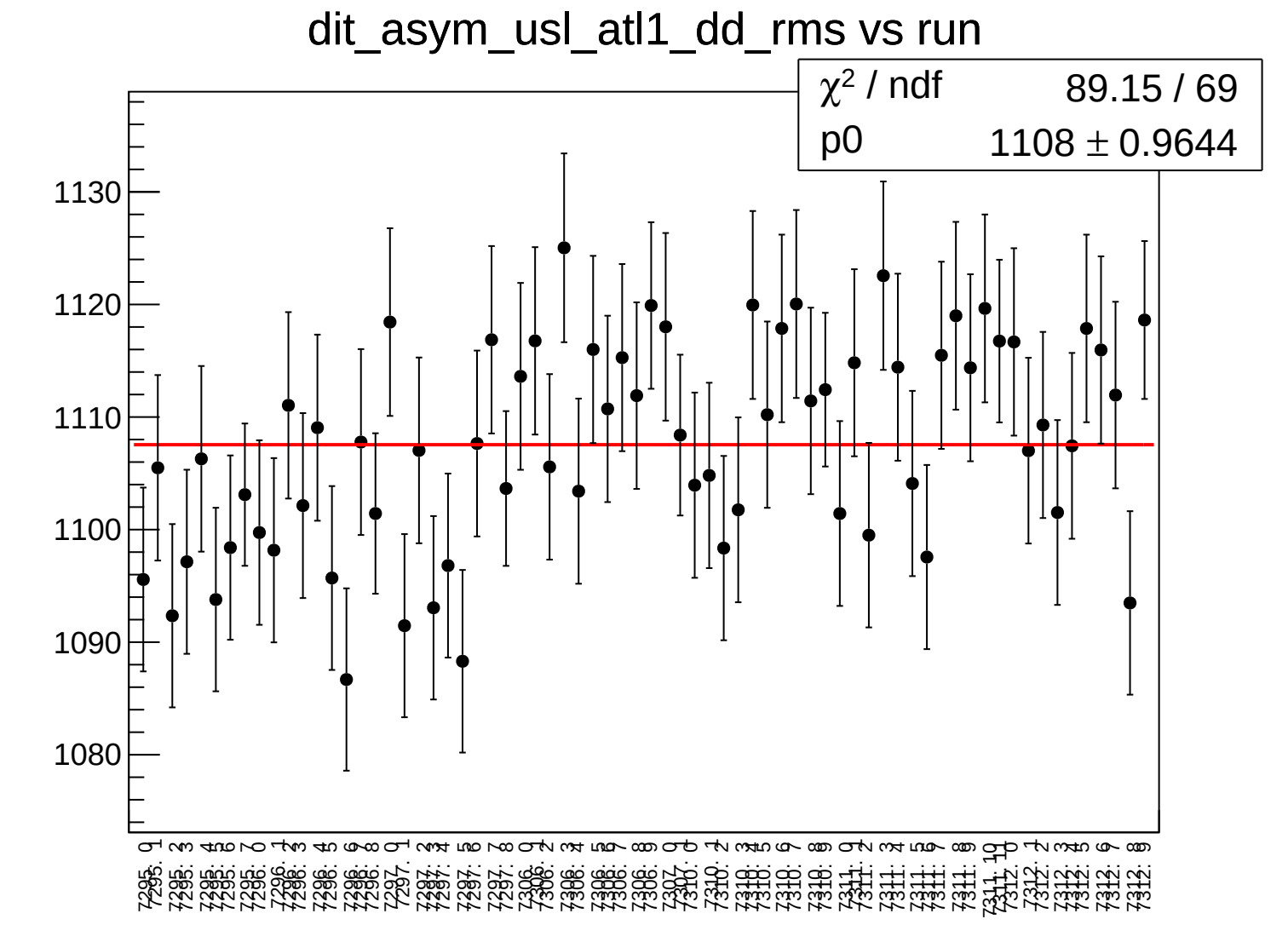

eigen_cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 89.58 / 69
p0 1107 ± 0.9636
1130
1120
1110
1100
1090
1080

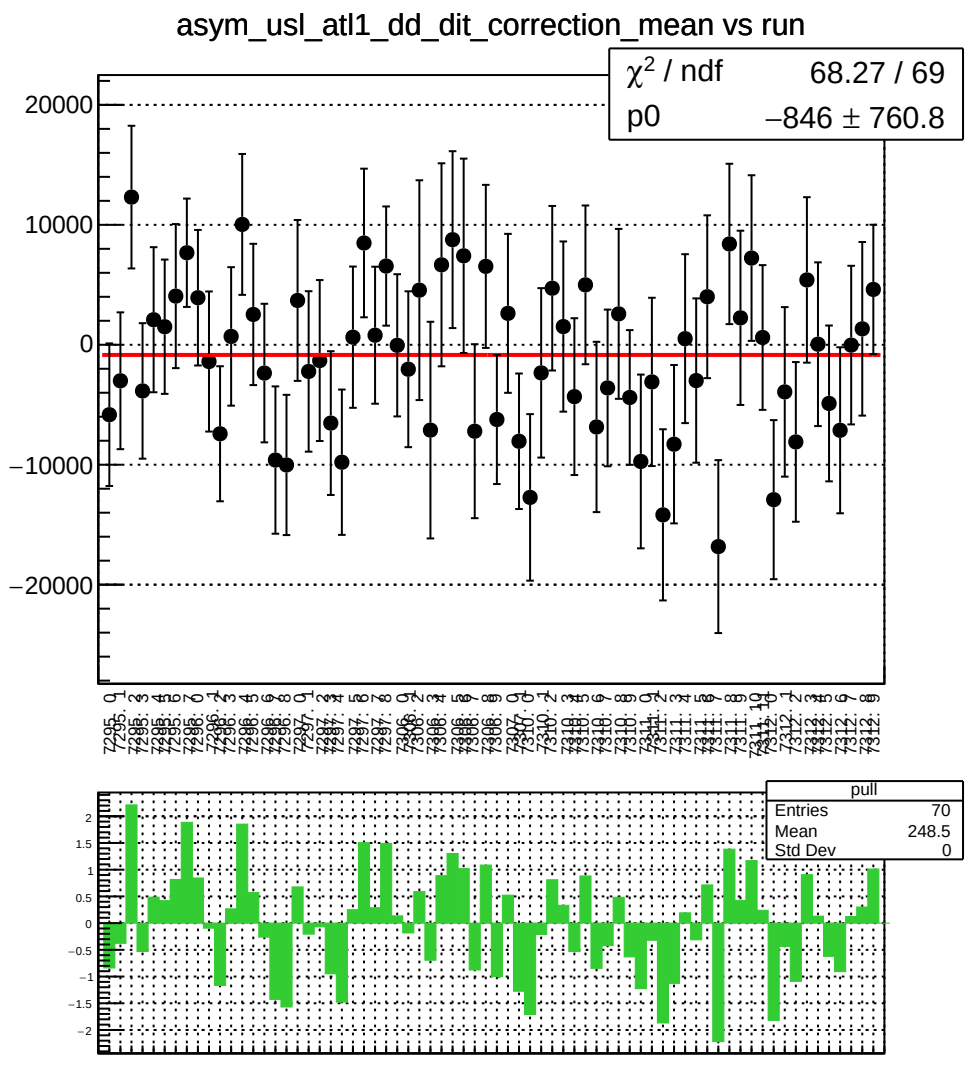

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.84 / 69
p0 −826.5 ± 743.5
pull
Entries 70
Mean 243.7
Std Dev 0

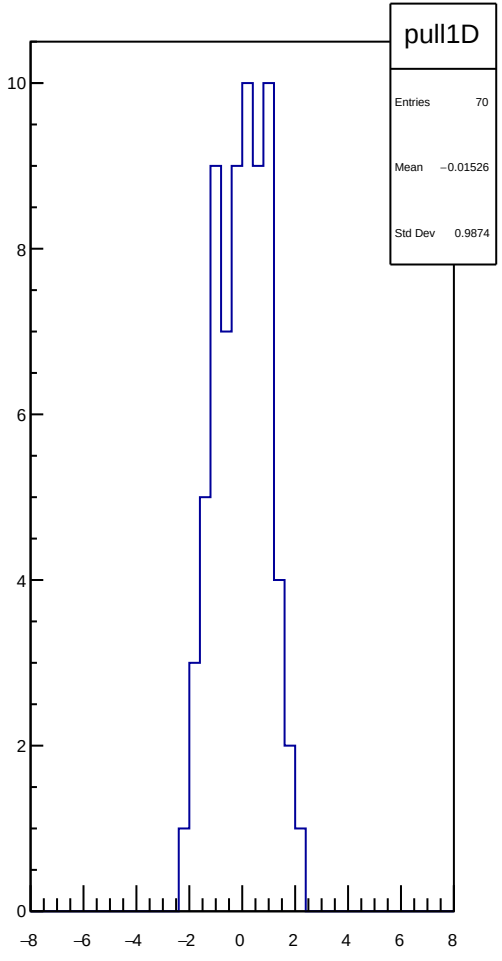

pull1D
Entries 70
Mean −0.01529
Std Dev 0.9987

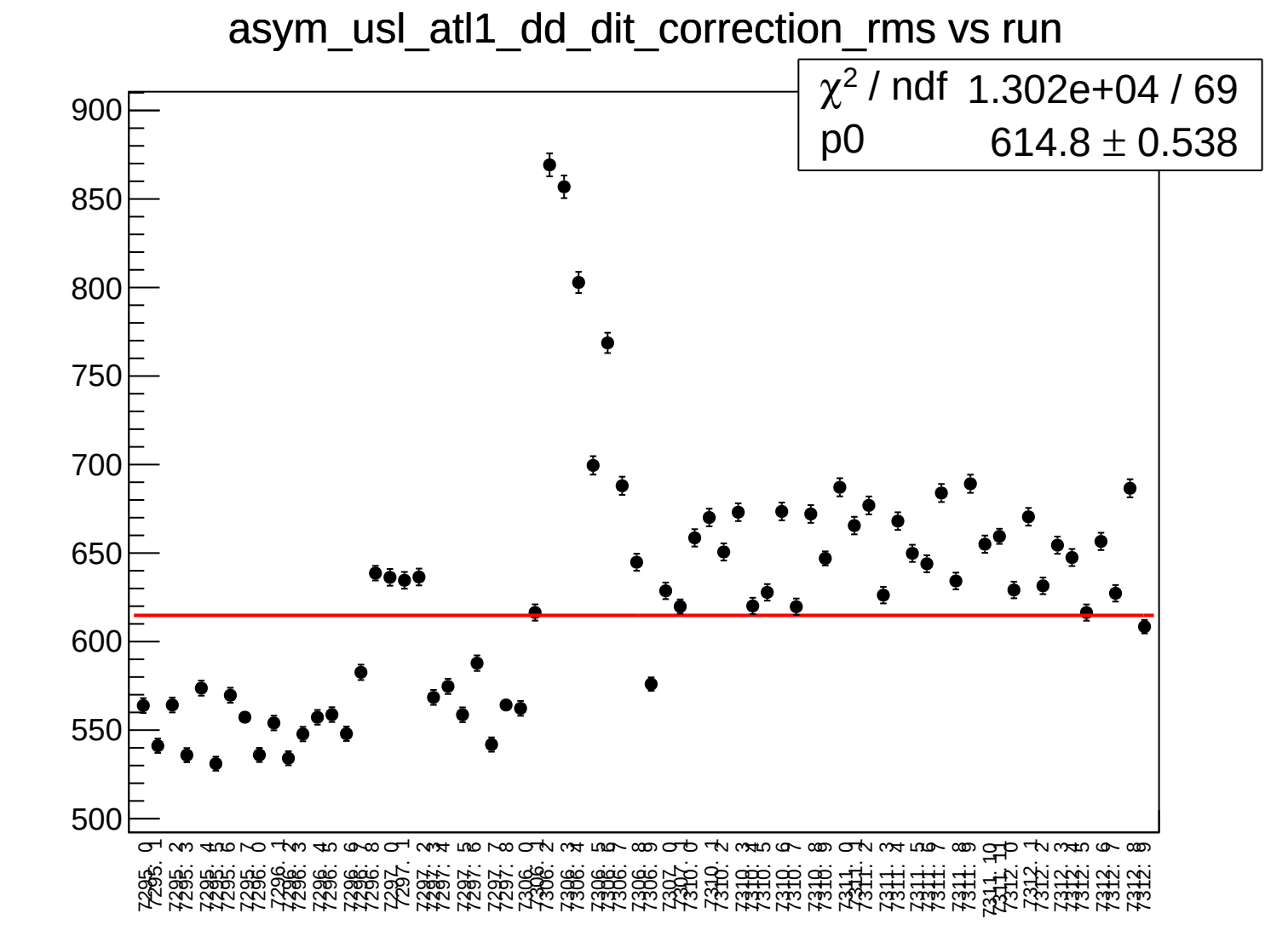

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.068e+04 / 69
p0 601.3 ± 0.5257
900
850
800
750
700
650
600
550
500

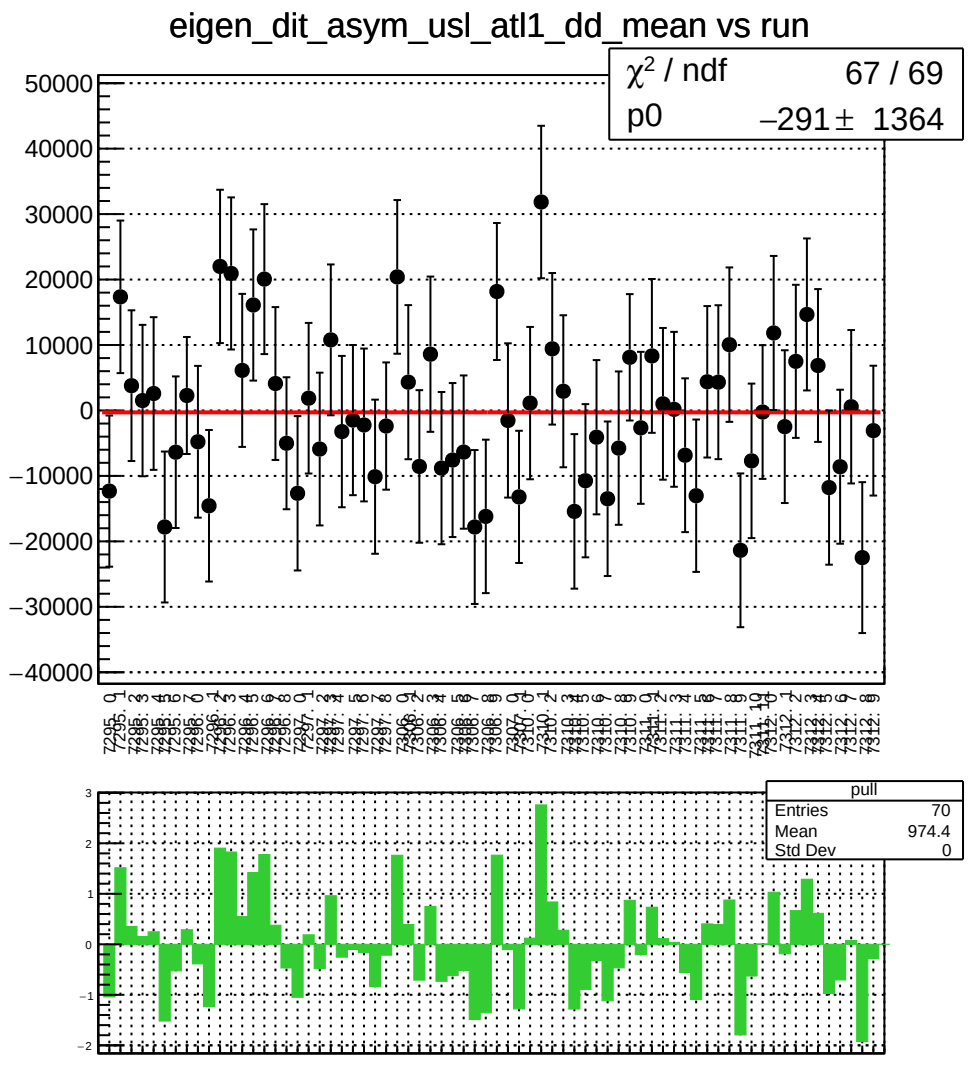

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 67 / 69
p0 −291 ± 1364
pull
Entries 70
Mean 974.4
Std Dev 0
pull1D
Entries 70
Mean −0.002635
Std Dev 0.9783

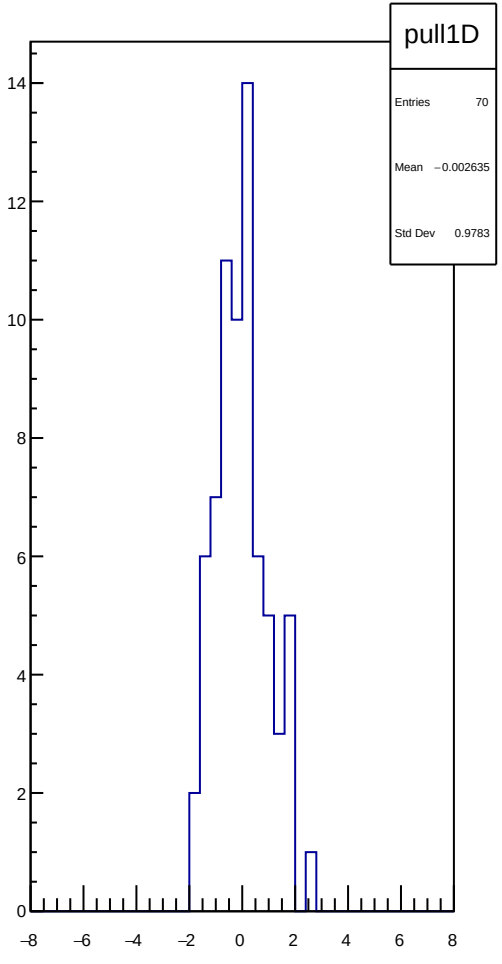

dit_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 89.15 / 69
p0 1108 ± 0.9644
1130
1120
1110
1100
1090
1080

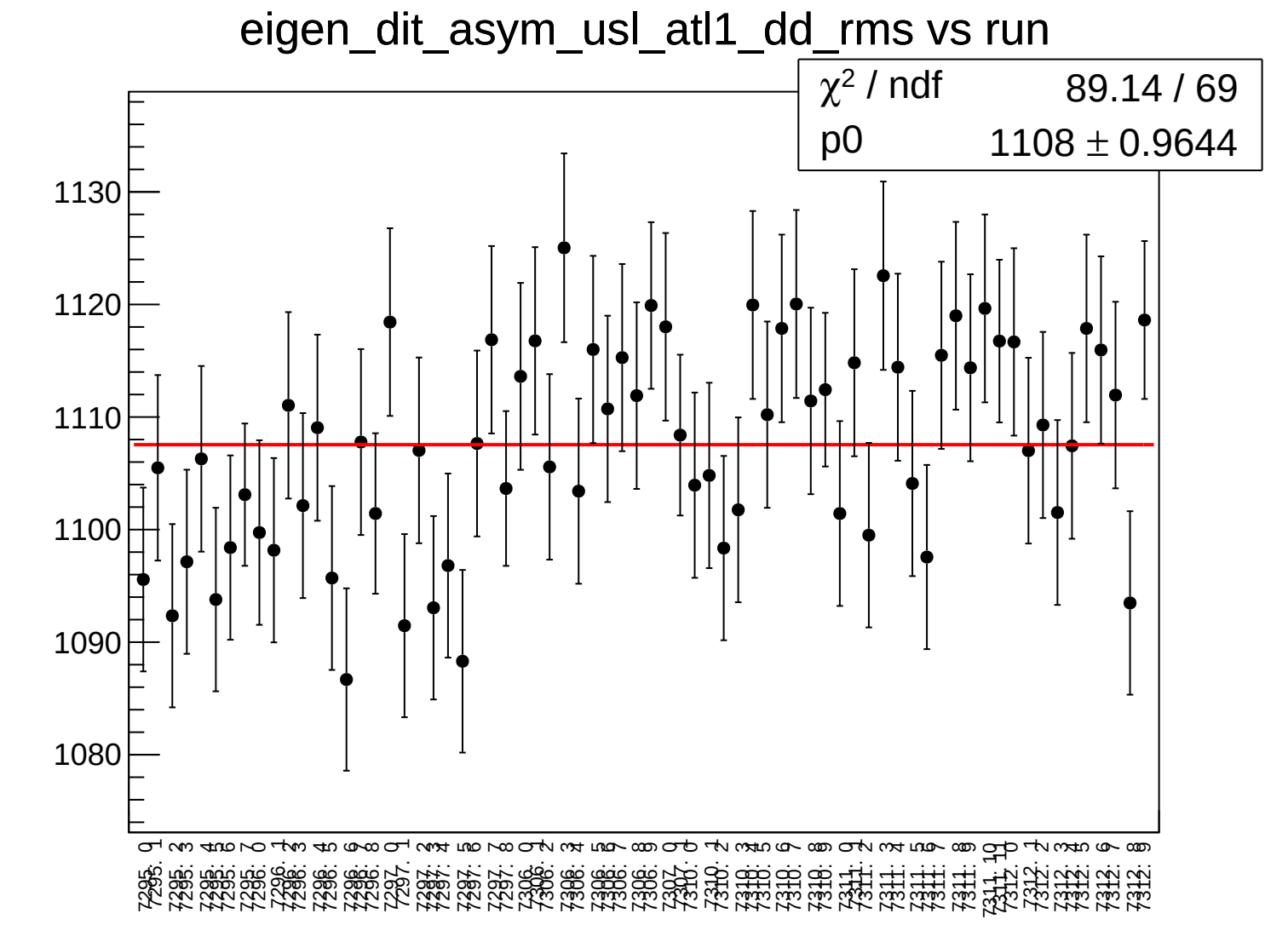

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 68.27 / 69
p0 −846 ± 760.8
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 248.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

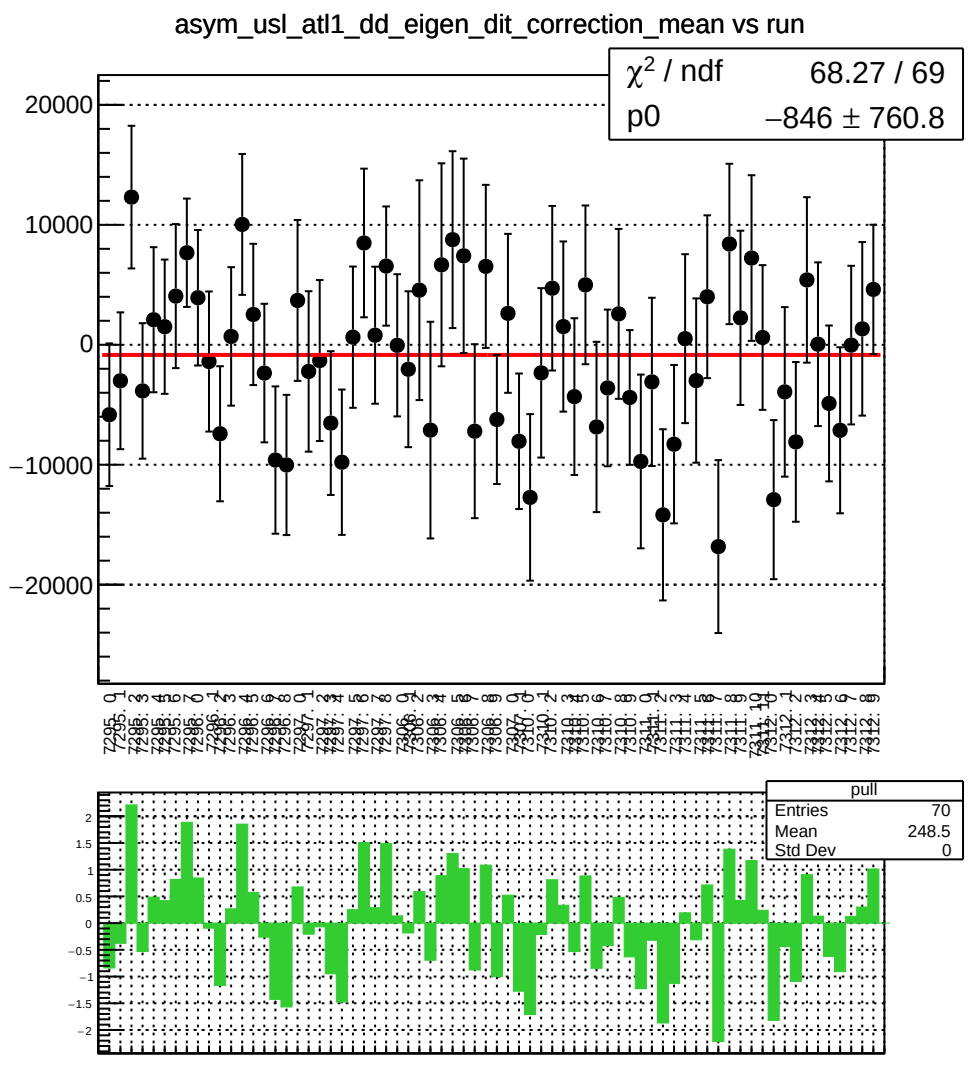

pull1D
Entries 70
Mean −0.01526
Std Dev 0.9874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

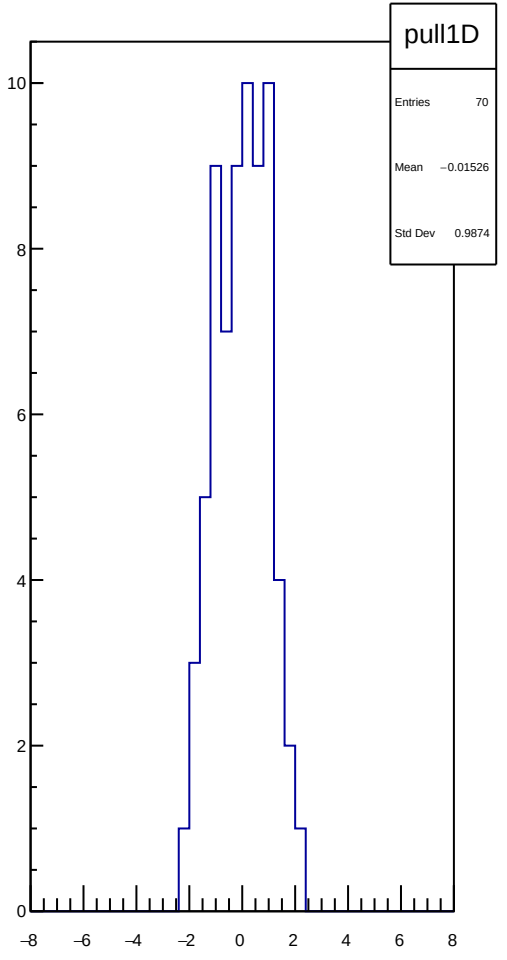

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1.302e+04 / 69
p0 614.8 ± 0.538
900
850
800
750
700
650
600
550
500

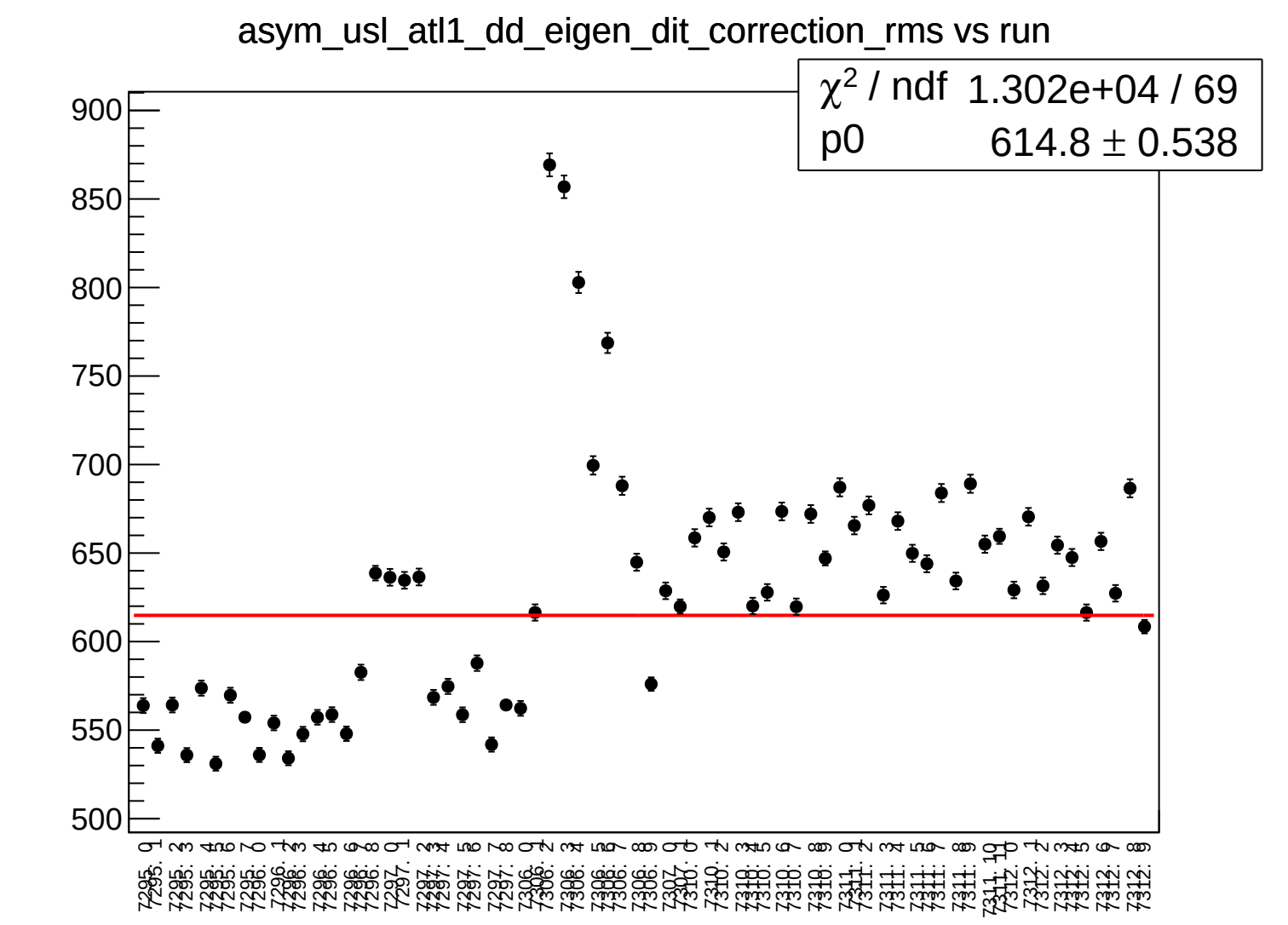

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 67 / 69
p0 −291 ± 1364
pull
Entries 70
Mean 974.4
Std Dev 0

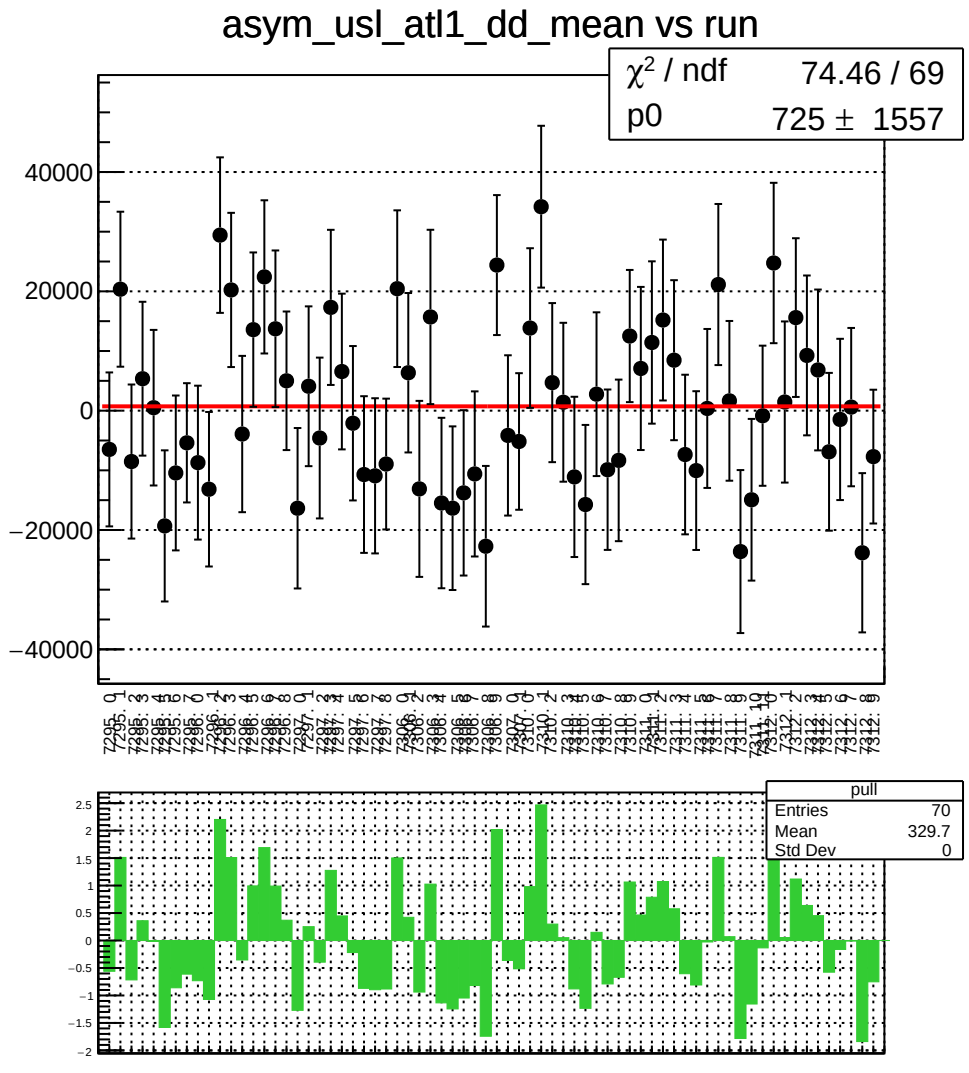

pull1D
Entries 70
Mean −0.002635
Std Dev 0.9783

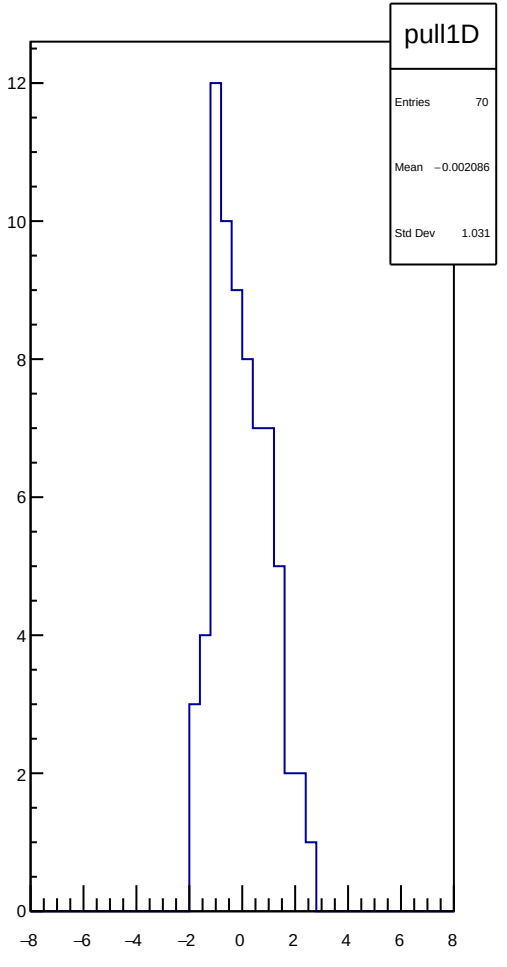

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 89.14 / 69
p0 1108 ± 0.9644
1130
1120
1110
1100
1090
1080

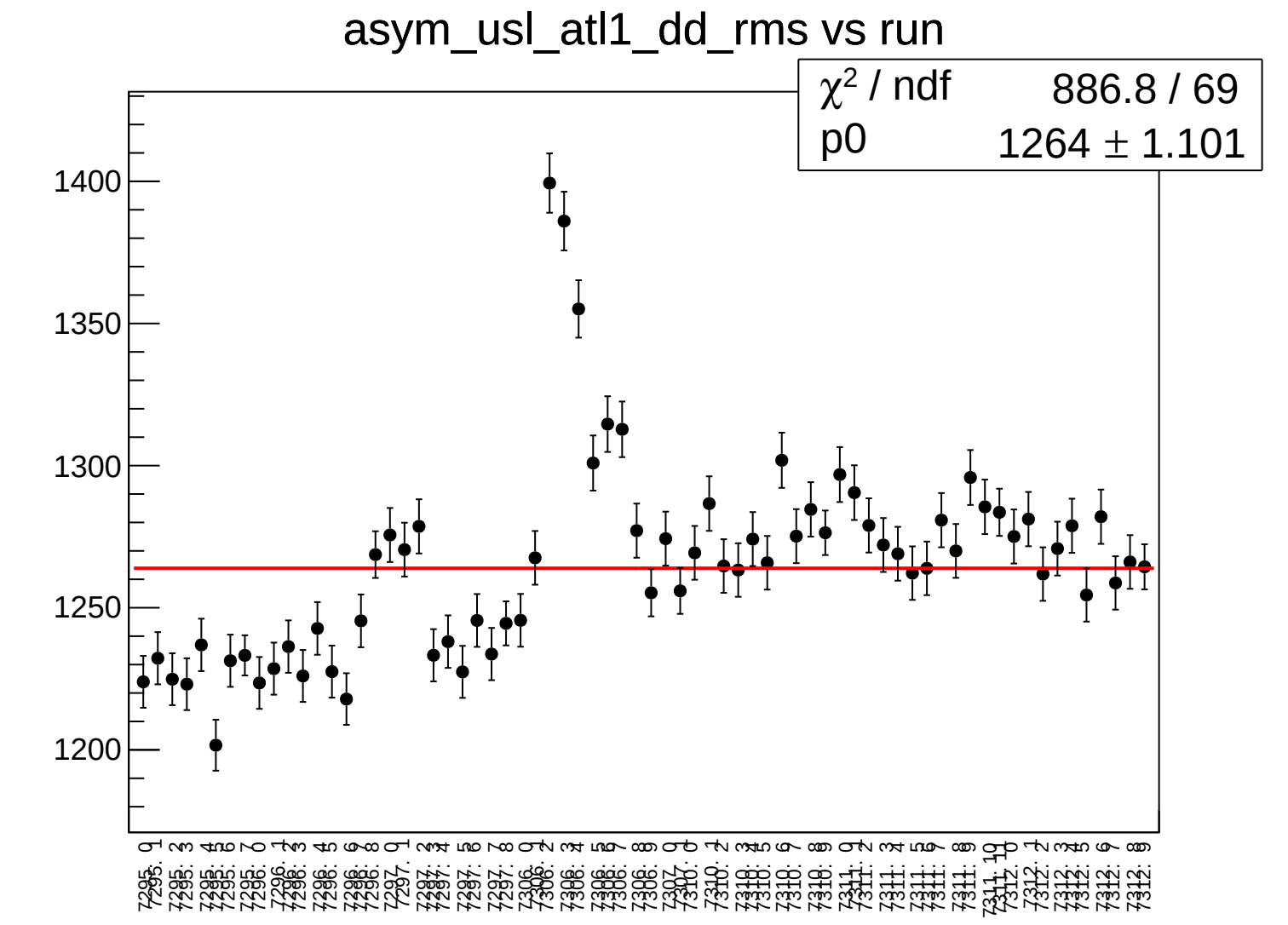

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.27 / 69
p0 −846 ± 760.8
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 248.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

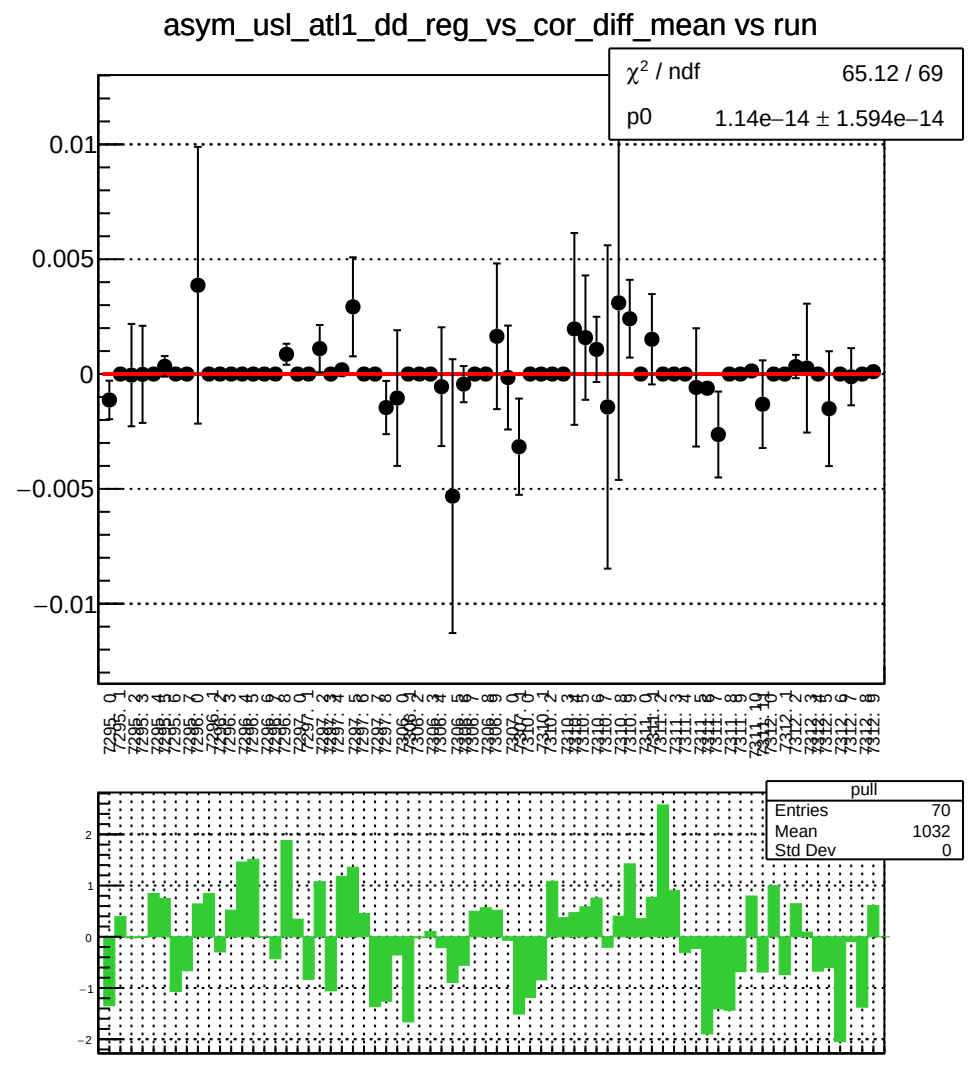

pull1D
Entries 70
Mean −0.01526
Std Dev 0.9874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

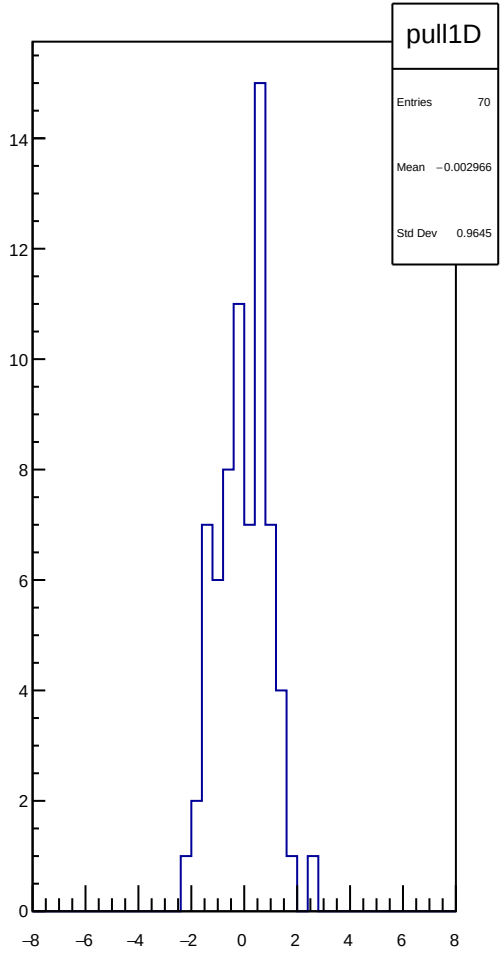

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.302e+04 / 69
p0 614.8 ± 0.538
900
850
800
750
700
650
600
550
500

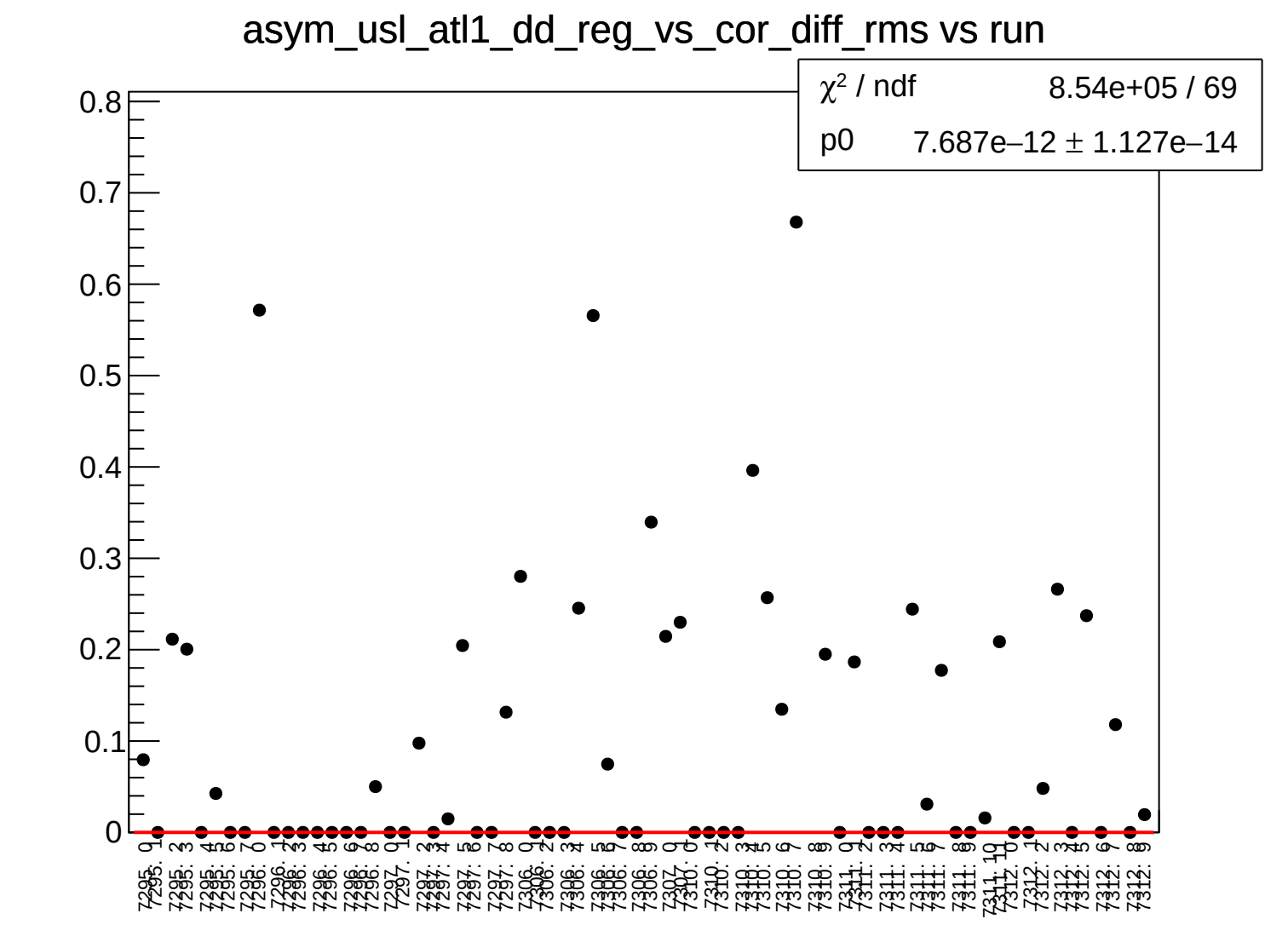

asym_usl_atl1_dd_mean vs run
χ² / ndf 74.46 / 69
p0 725 ± 1557
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 329.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

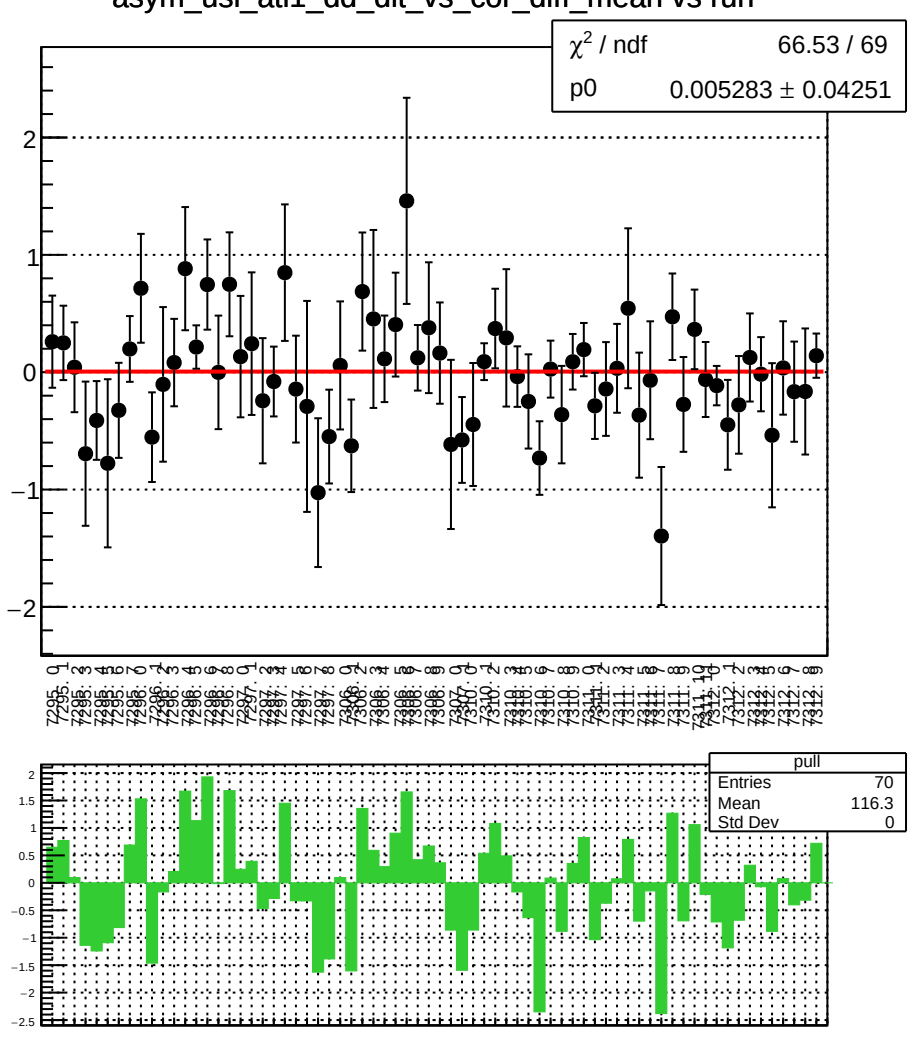

pull1D
Entries 70
Mean −0.002086
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

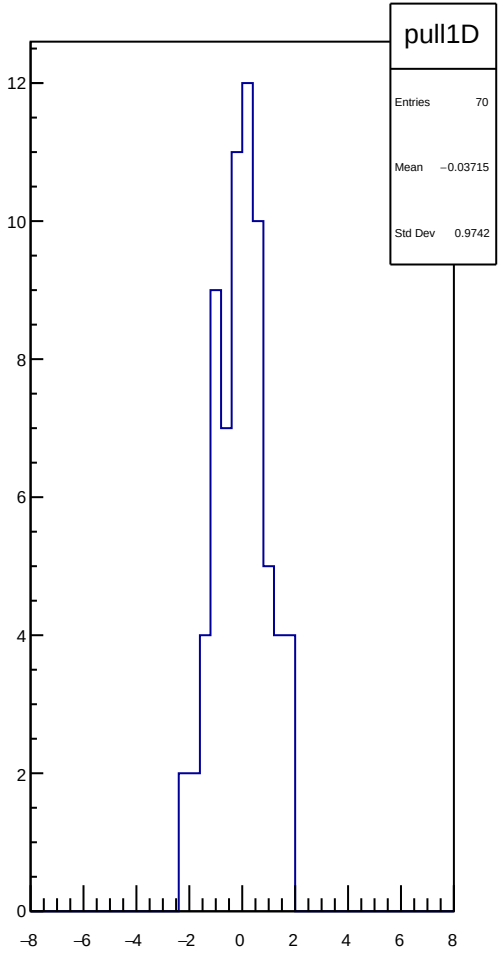

asym_usl_atl1_dd_rms vs run
χ² / ndf 886.8 / 69
p0 1264 ± 1.101
1400
1350
1300
1250
1200

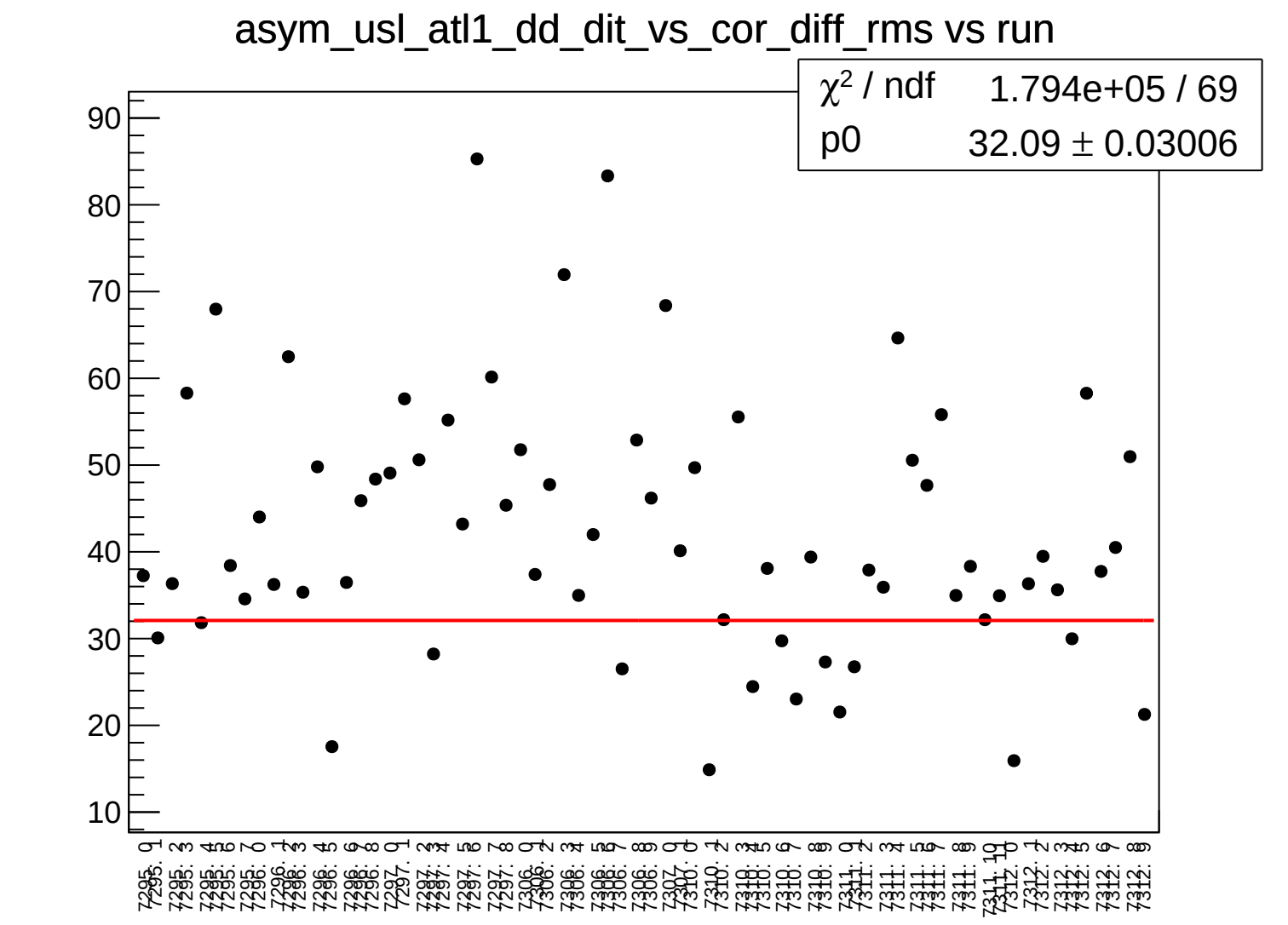

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.12 / 69
p0 1.14e−14 ± 1.594e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 70
Mean 1032
Std Dev 0
2
1
0
−1
−2

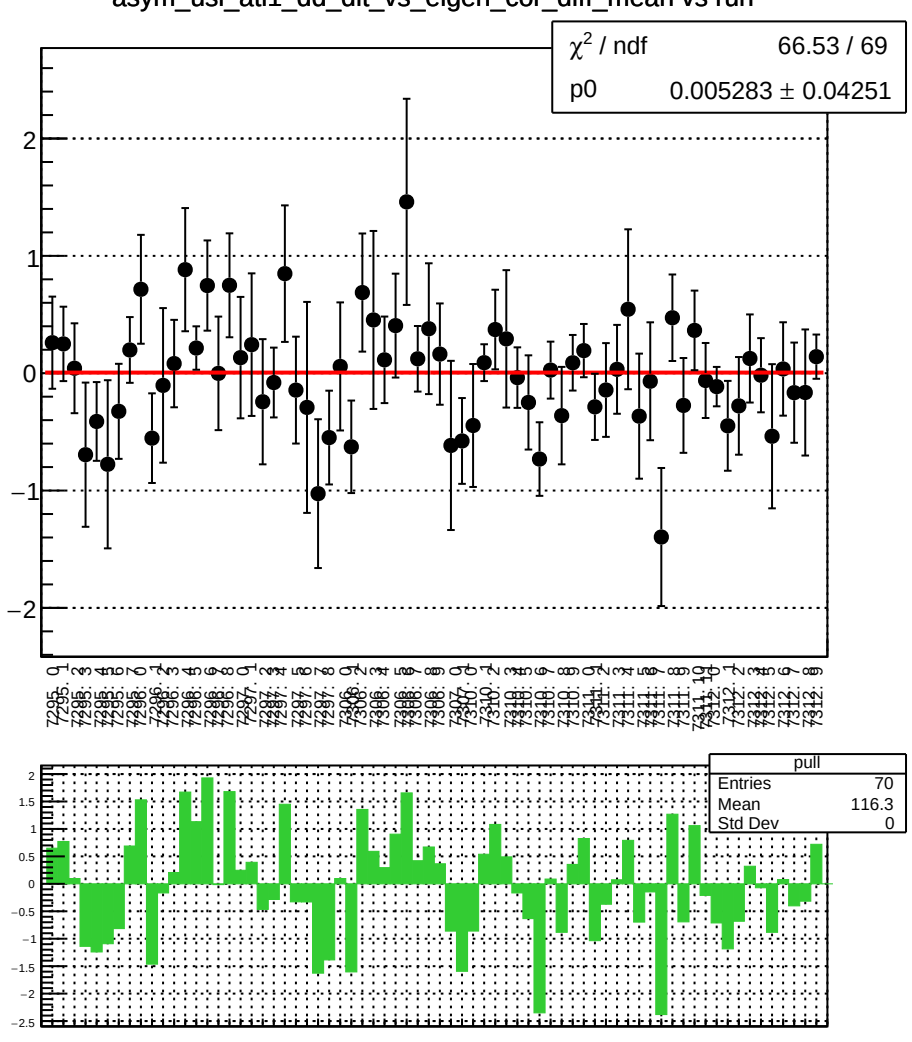

pull1D
Entries 70
Mean −0.002966
Std Dev 0.9645
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

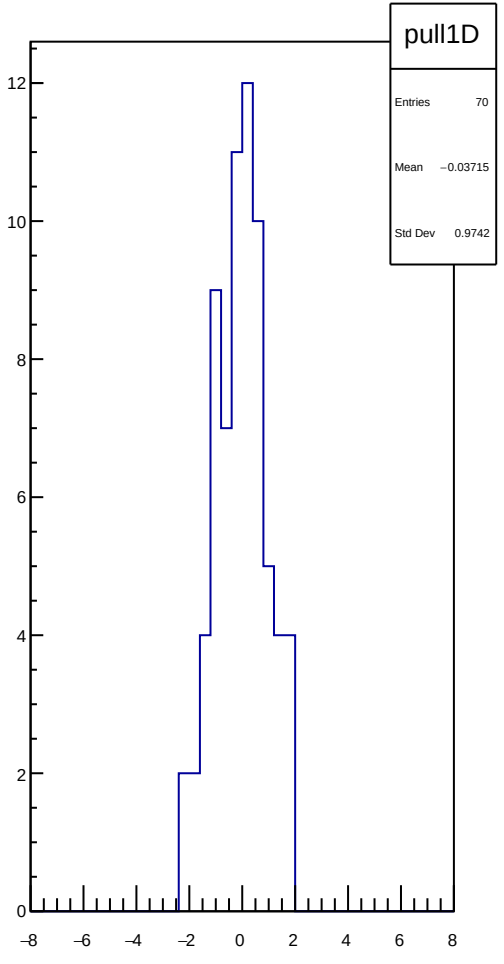

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.54e+05 / 69
p0 7.687e−12 ± 1.127e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

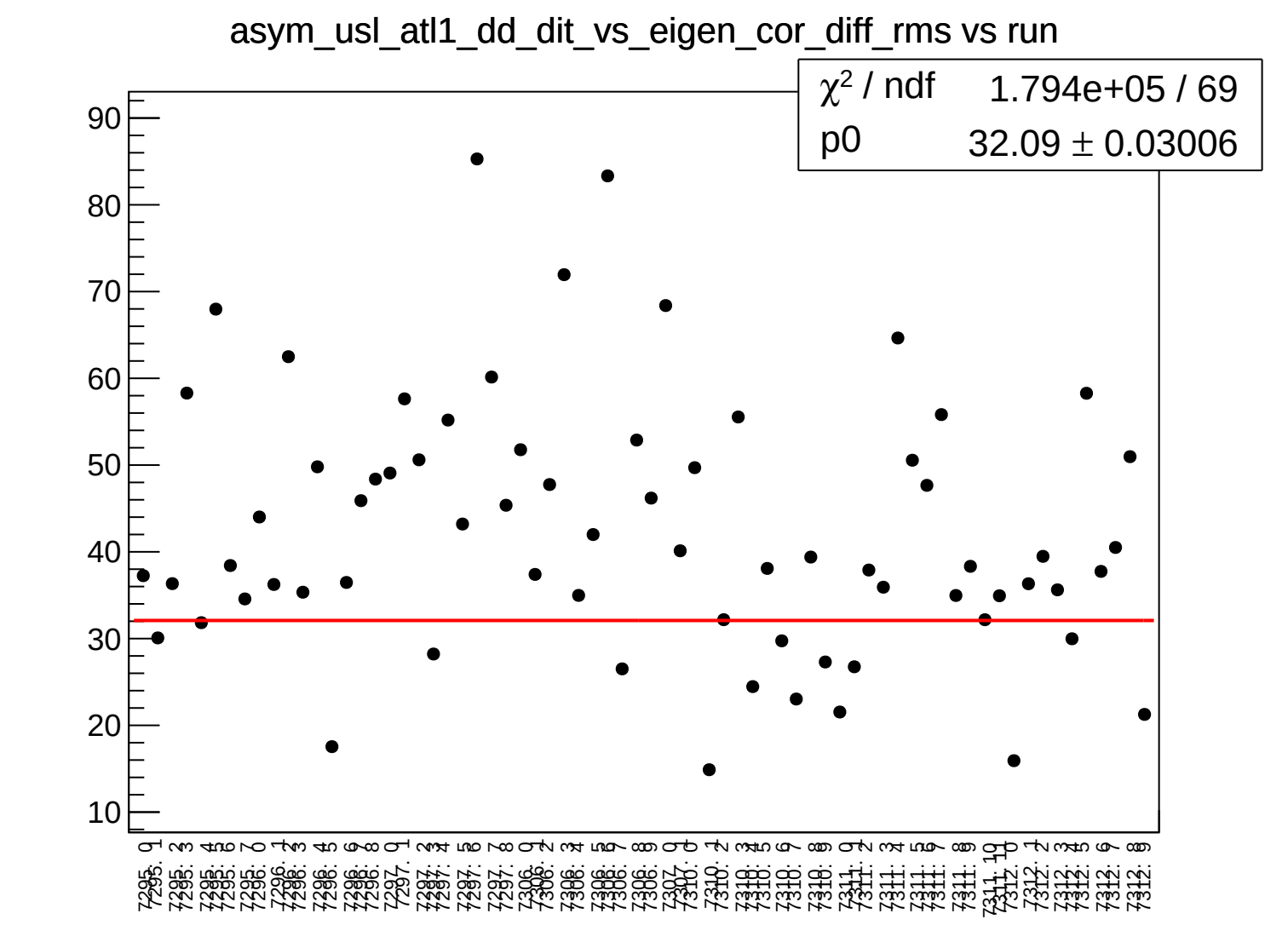

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 66.53 / 69
p0 0.005283 ± 0.04251
pull
Entries 70
Mean 116.3
Std Dev 0

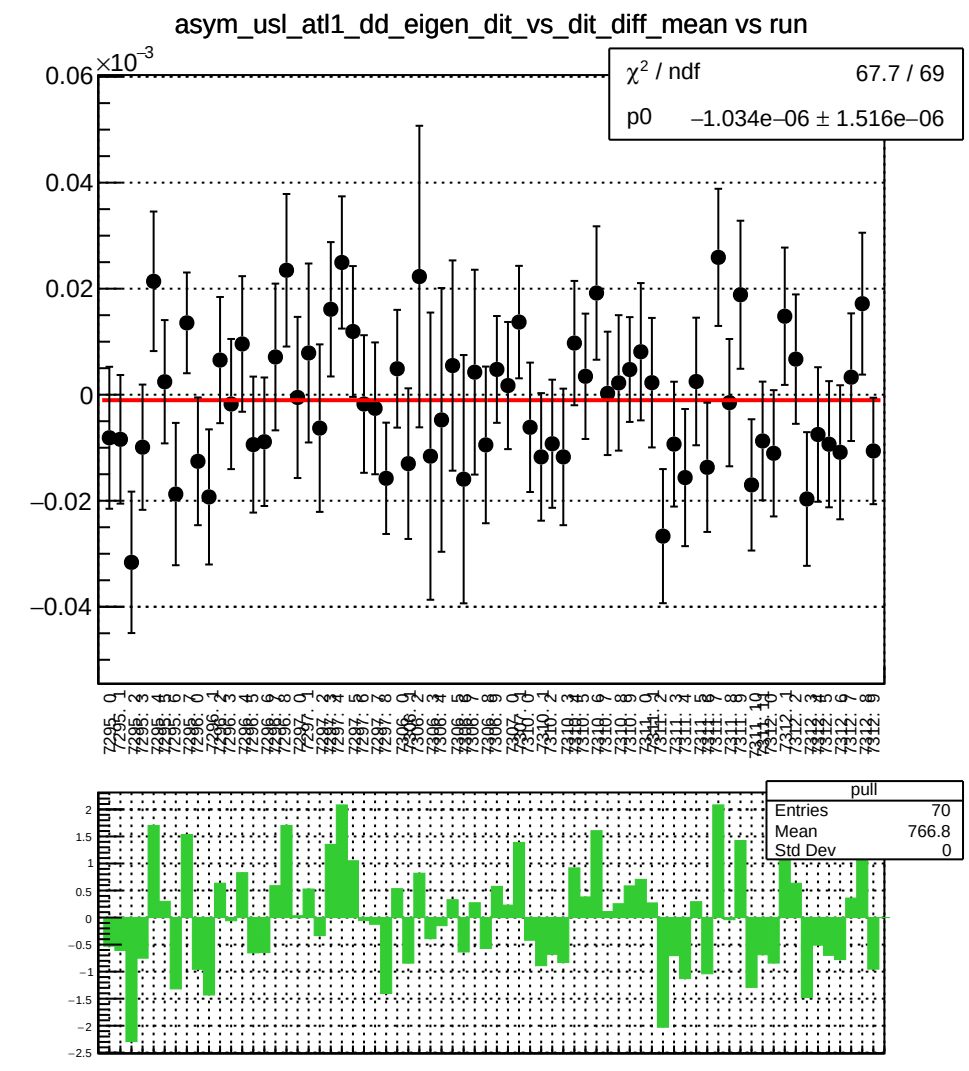

pull1D
Entries 70
Mean −0.03715
Std Dev 0.9742

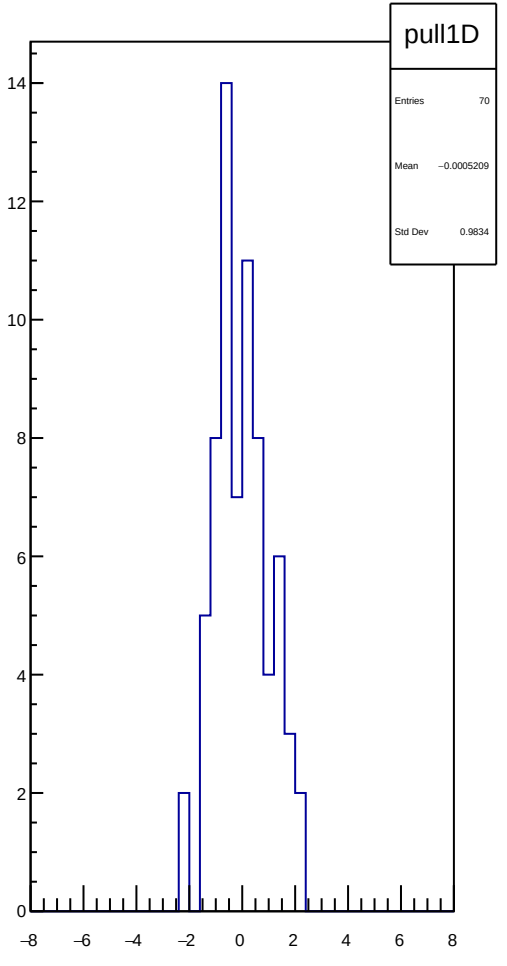

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.794e+05 / 69
p0 32.09 ± 0.03006
90
80
70
60
50
40
30
20
10

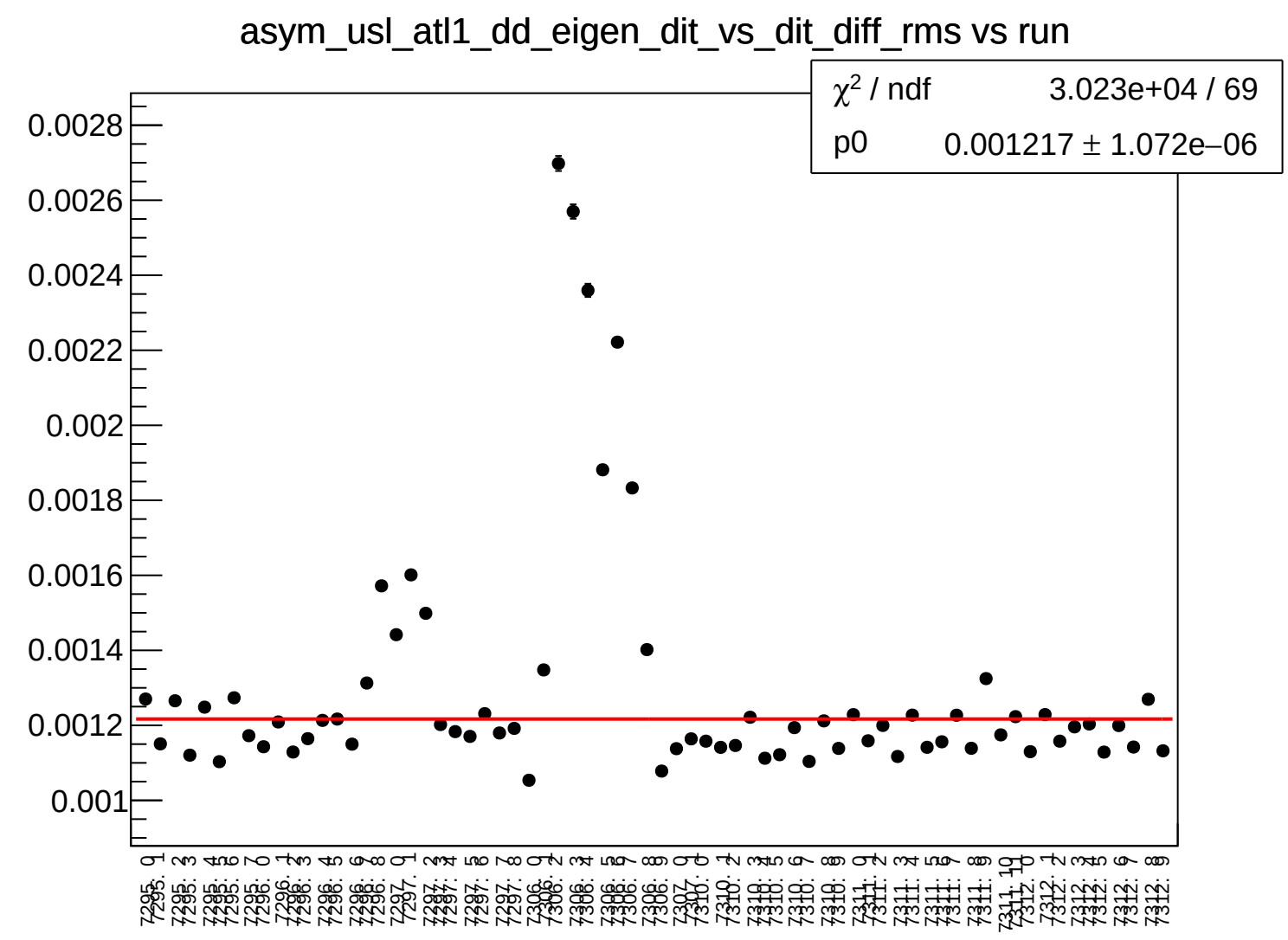

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.53 / 69
p0 0.005283 ± 0.04251
pull
Entries 70
Mean 116.3
Std Dev 0

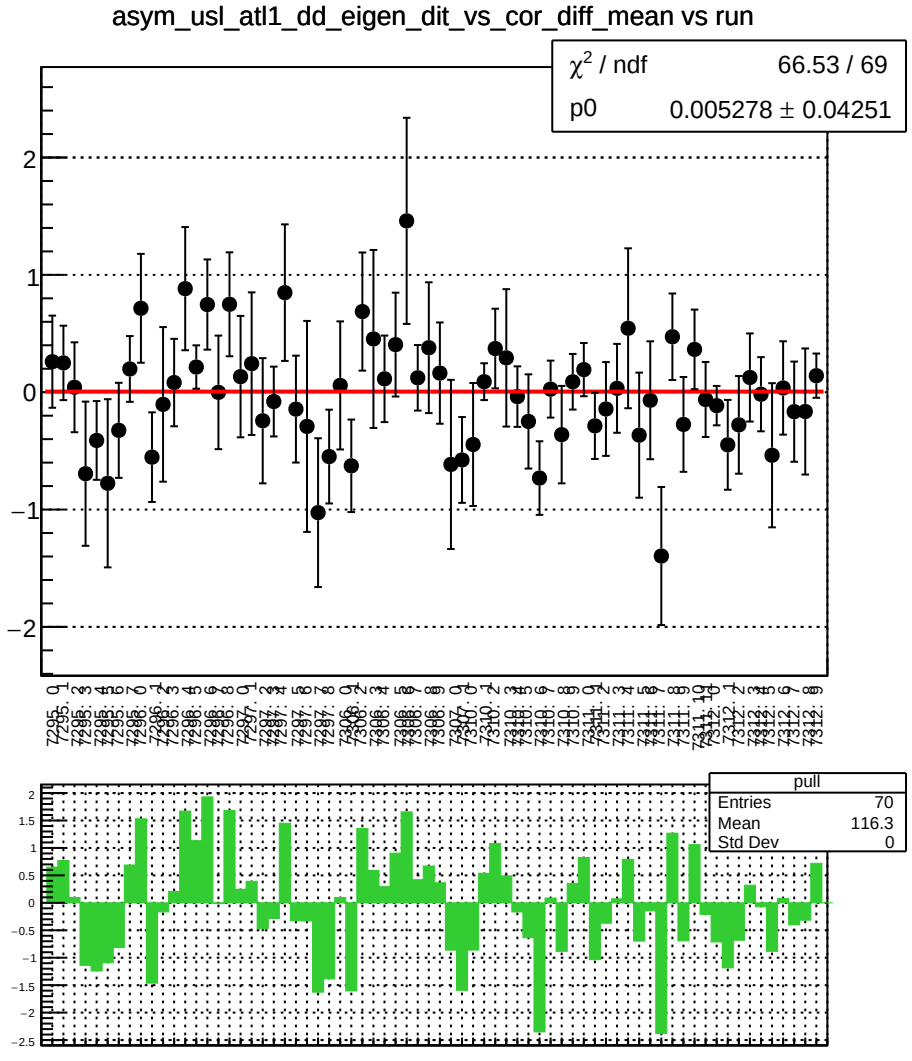

pull1D
Entries 70
Mean −0.03715
Std Dev 0.9742

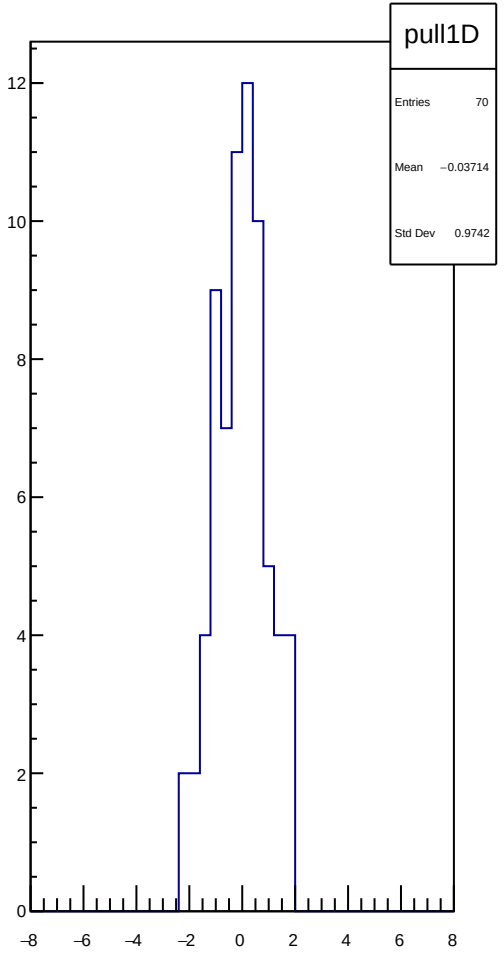

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.794e+05 / 69
p0 32.09 ± 0.03006
90
80
70
60
50
40
30
20
10

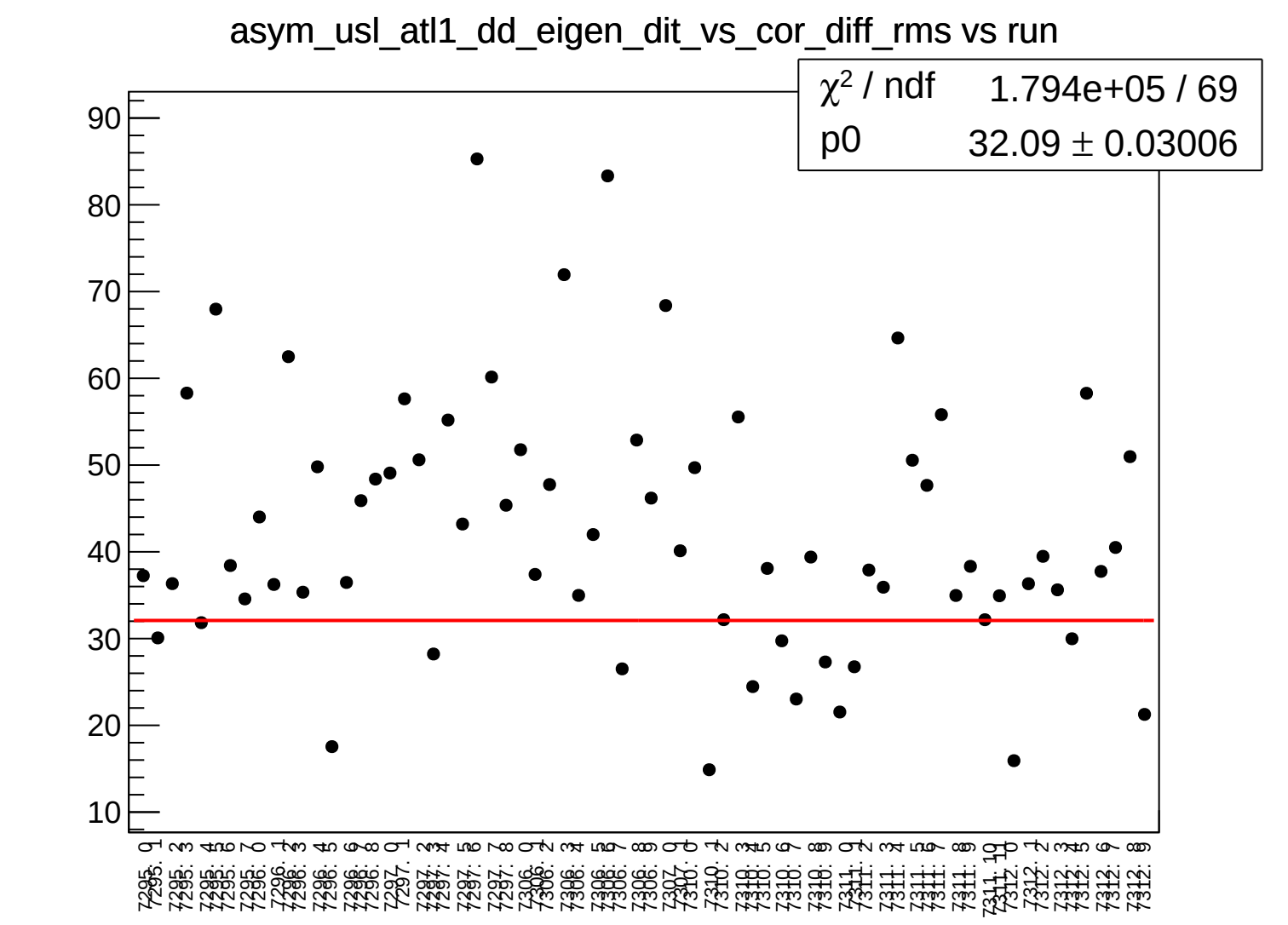

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 67.7 / 69
p0 −1.034e−06 ± 1.516e−06
×10⁻³
pull
Entries 70
Mean 766.8
Std Dev 0

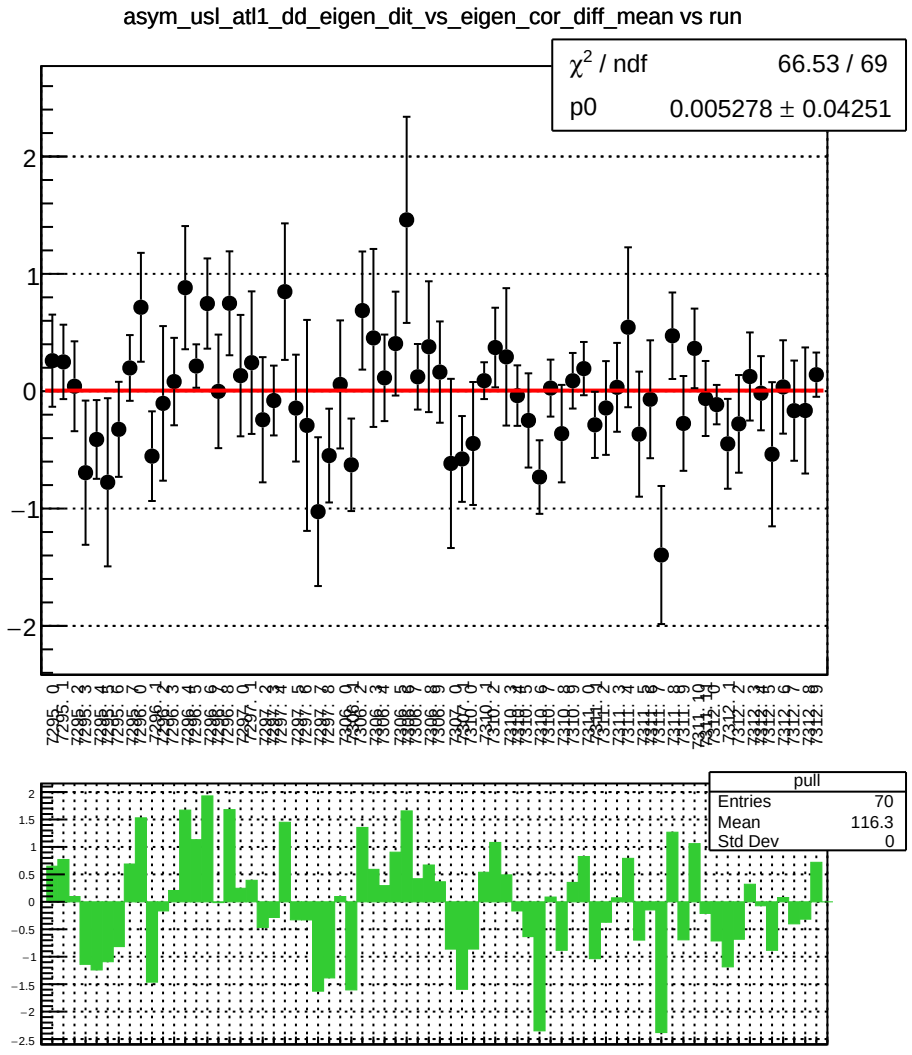

pull1D
Entries 70
Mean −0.0005209
Std Dev 0.9834

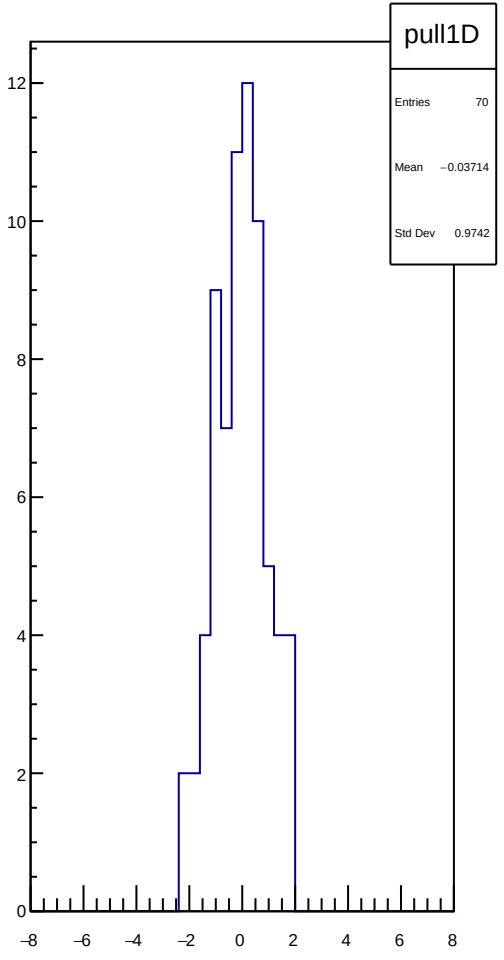

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.023e+04 / 69
p0 0.001217 ± 1.072e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001

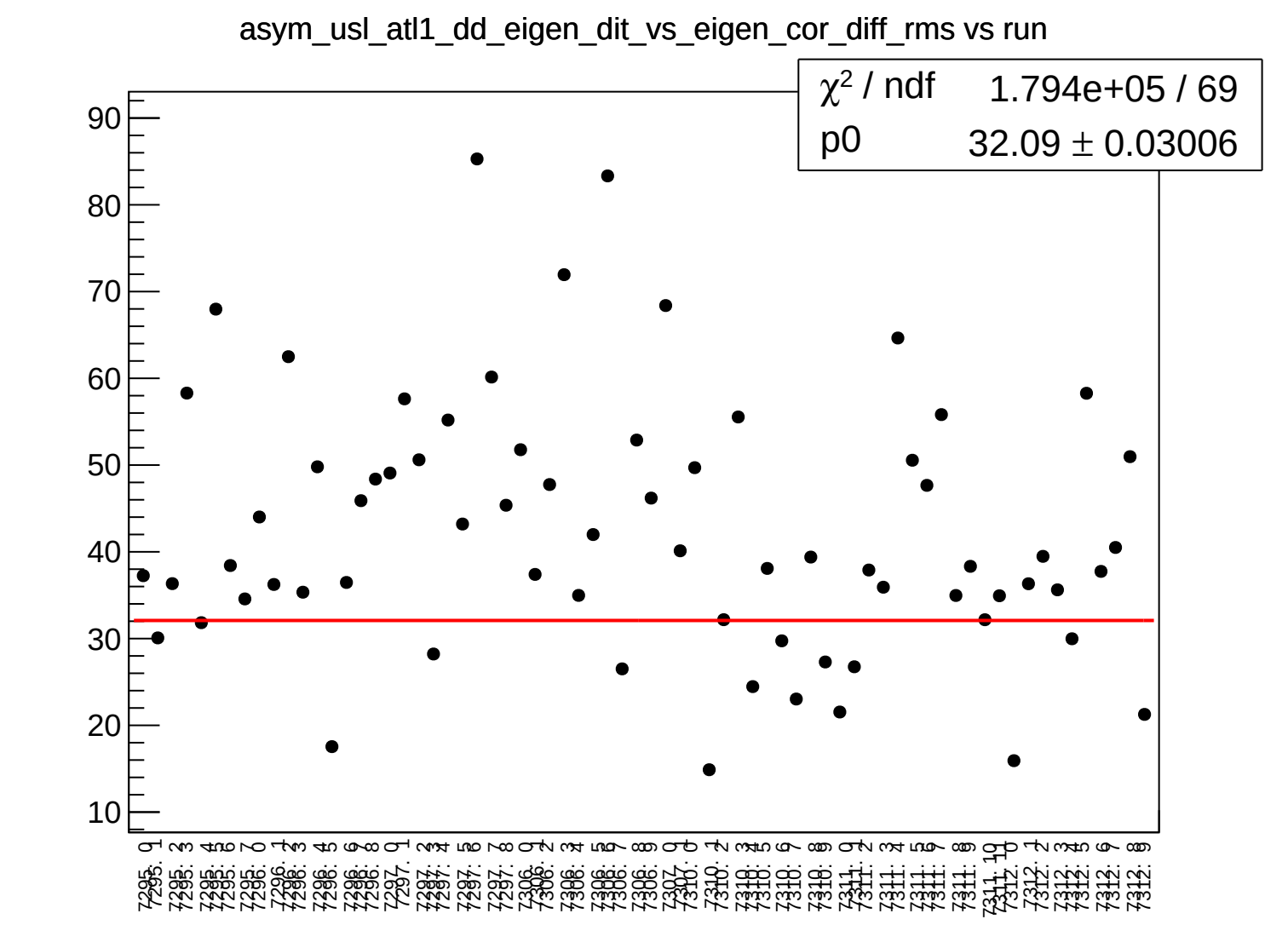

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.53 / 69
p0 0.005278 ± 0.04251
pull
Entries 70
Mean 116.3
Std Dev 0

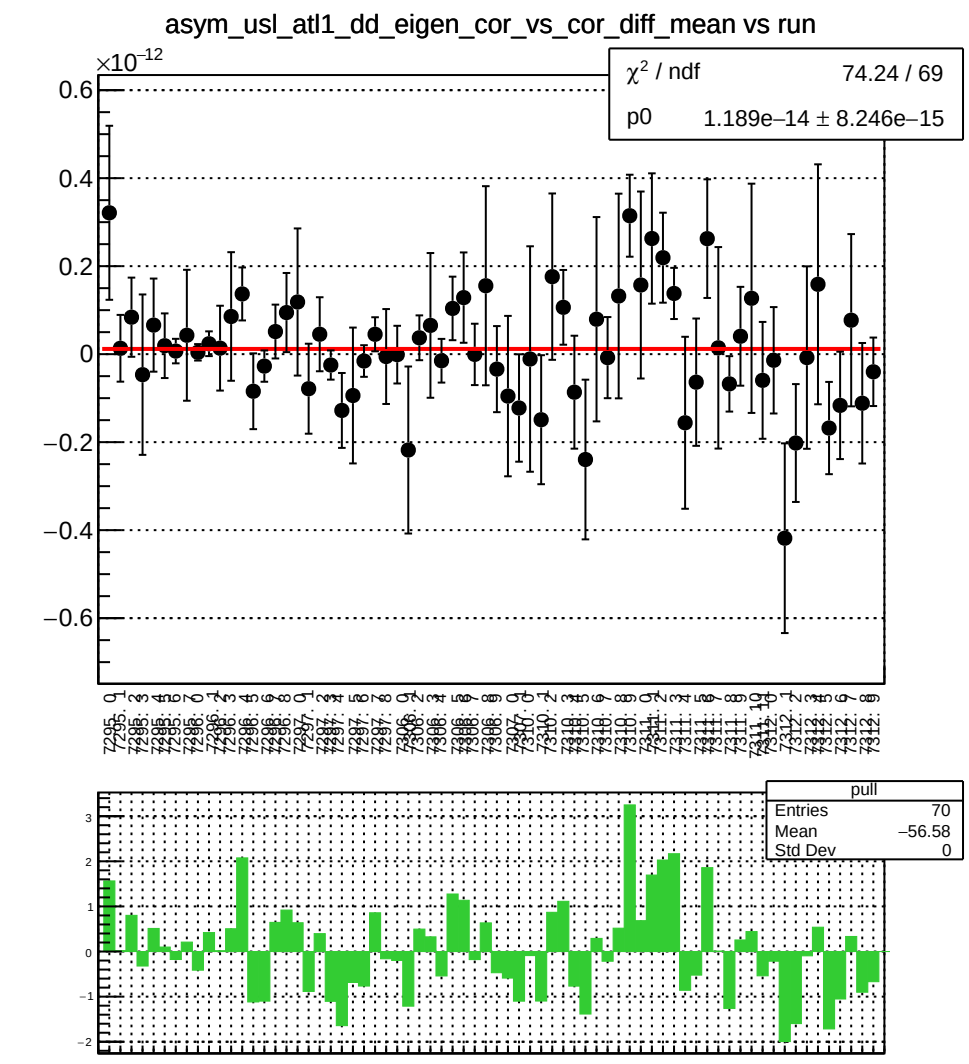

pull1D
Entries 70
Mean −0.03714
Std Dev 0.9742

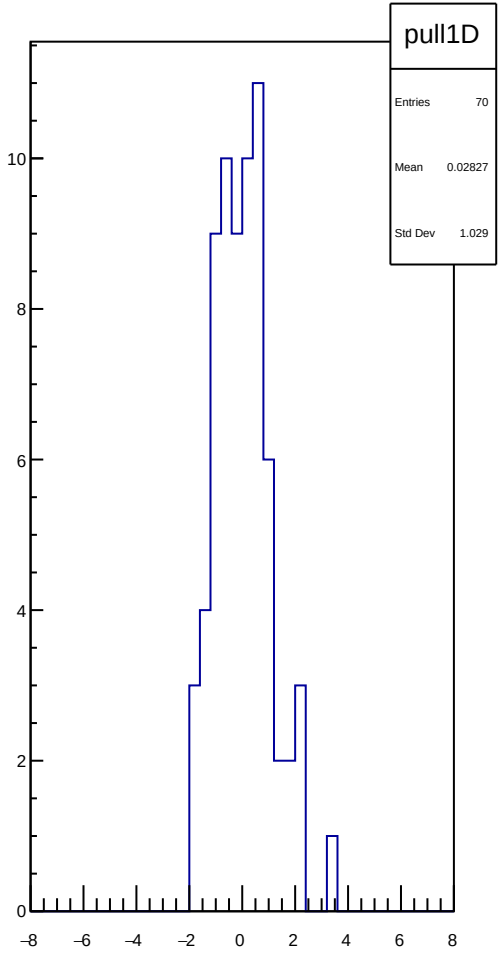

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.794e+05 / 69
p0 32.09 ± 0.03006
90
80
70
60
50
40
30
20
10

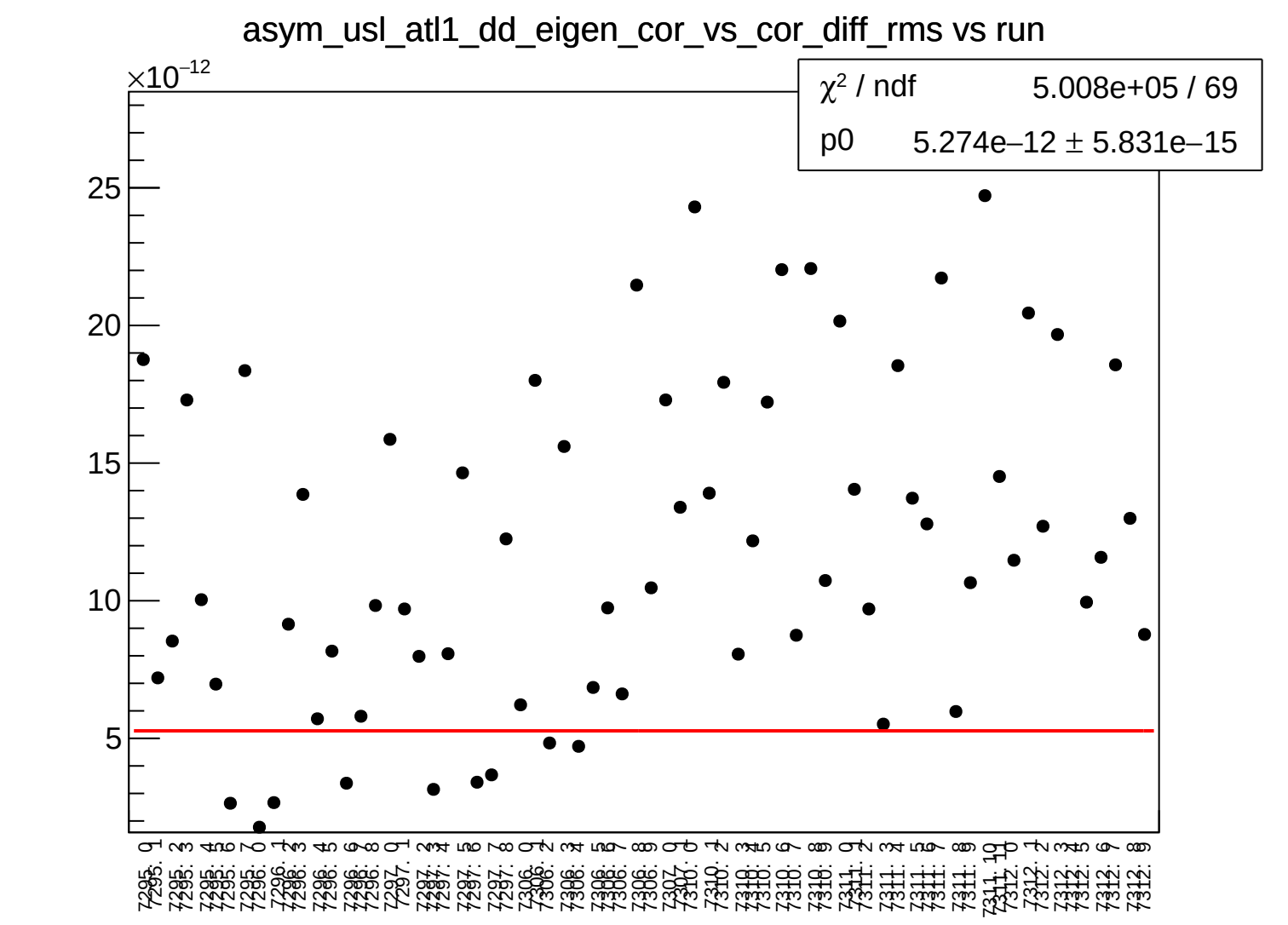

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.53 / 69
p0 0.005278 ± 0.04251
pull
Entries 70
Mean 116.3
Std Dev 0

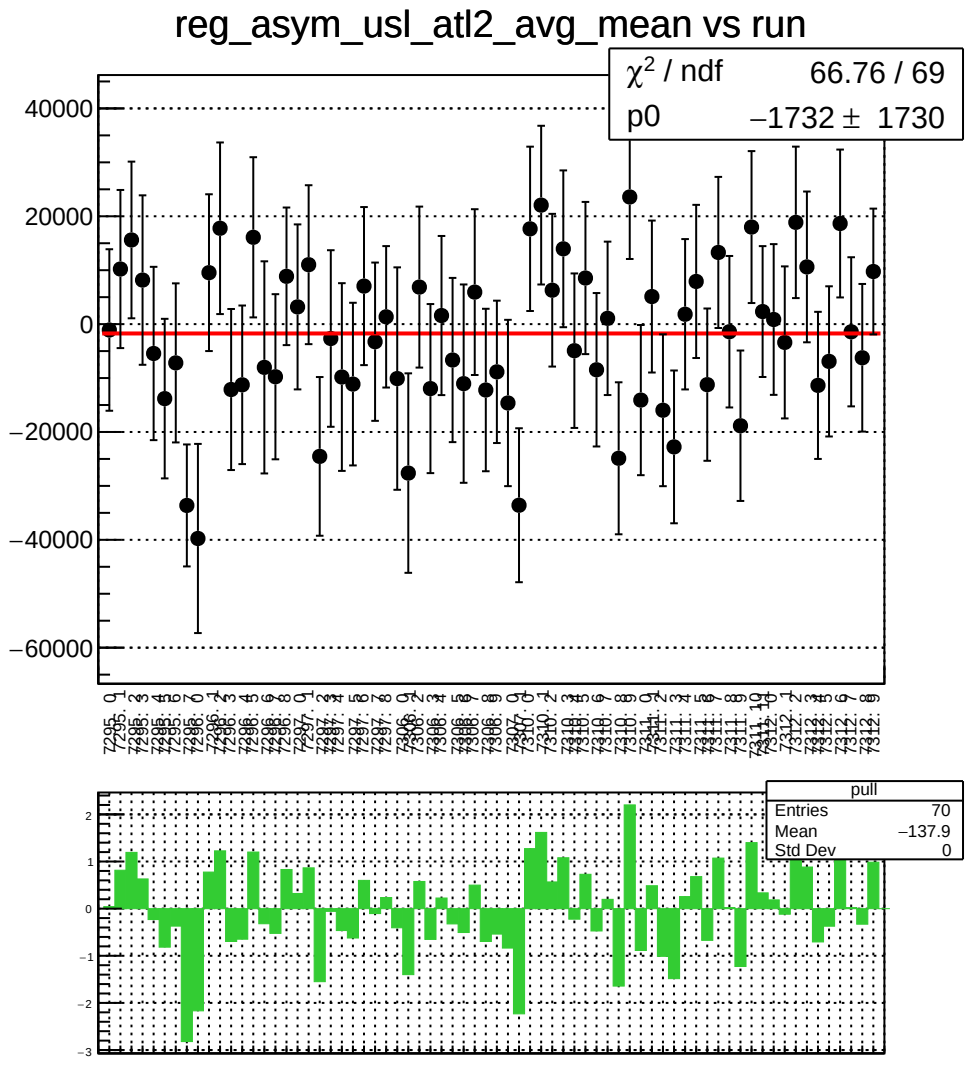

pull1D
Entries 70
Mean −0.03714
Std Dev 0.9742

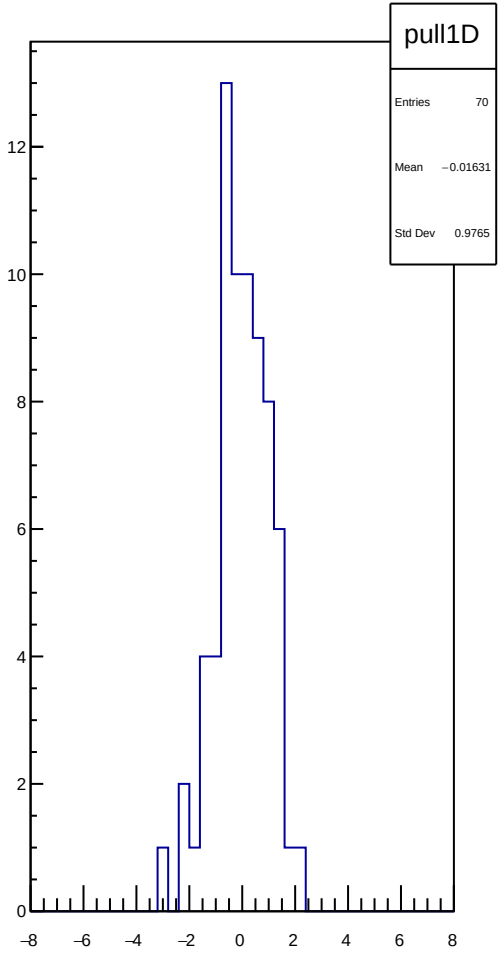

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.794e+05 / 69
p0 32.09 ± 0.03006
90
80
70
60
50
40
30
20
10

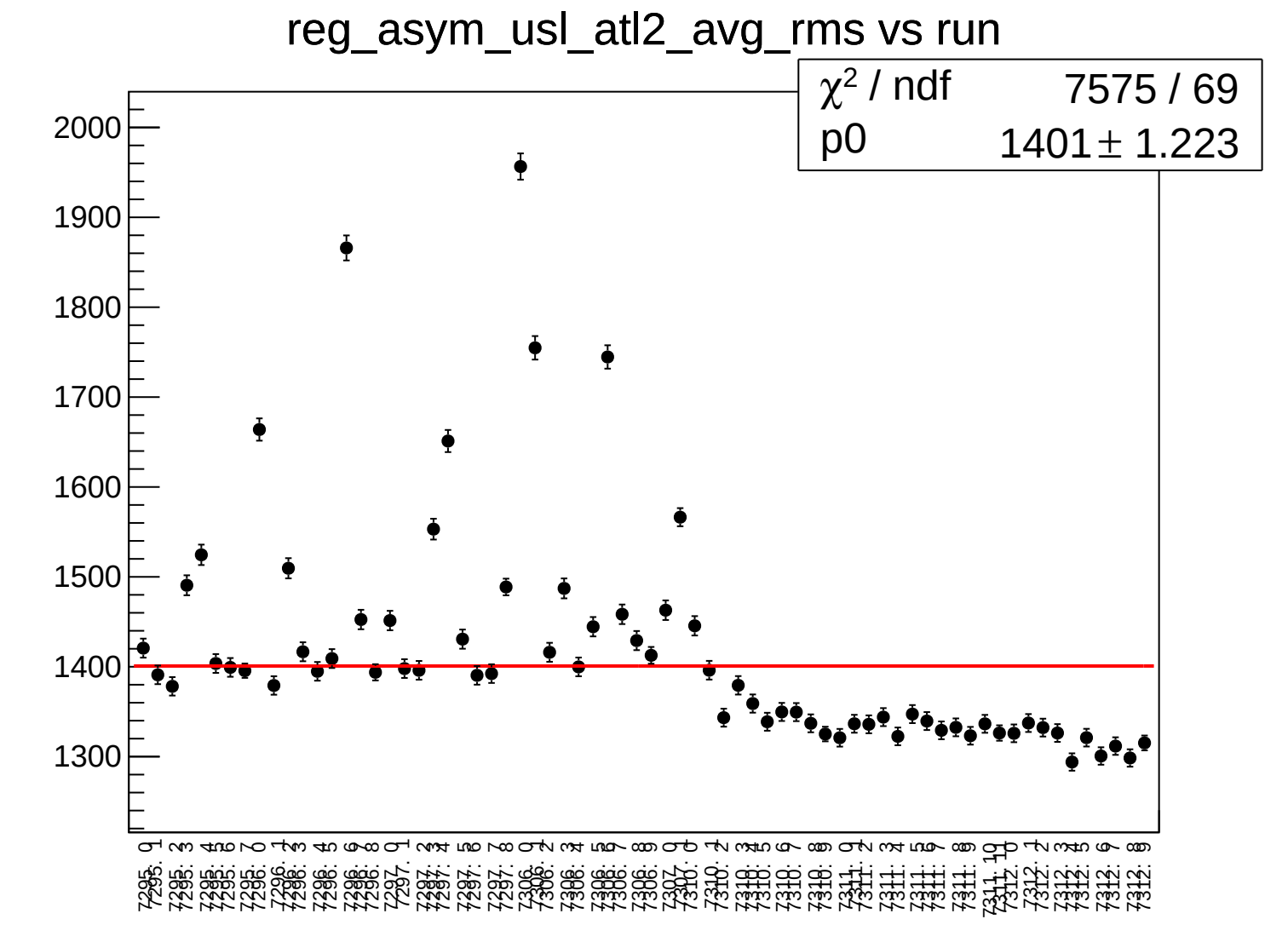

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.24 / 69
p0 1.189e−14 ± 8.246e−15
pull
Entries 70
Mean −56.58
Std Dev 0

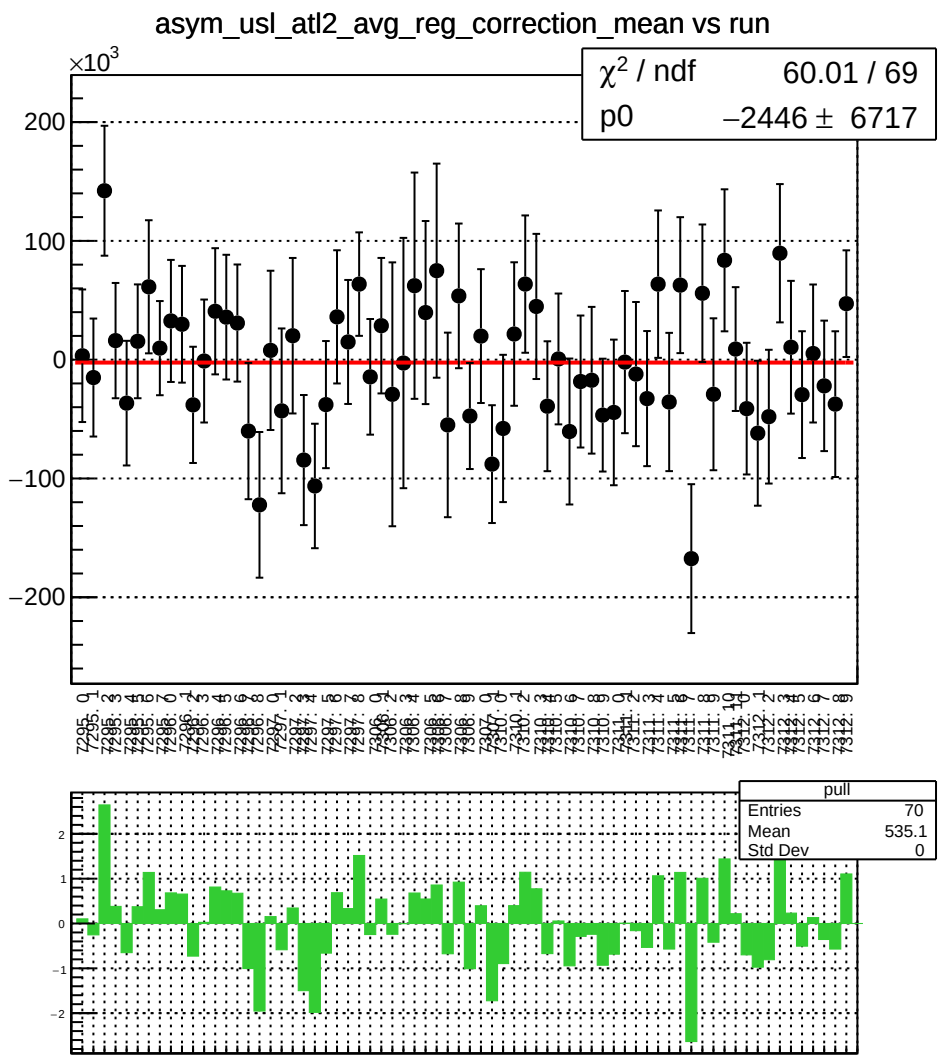

pull1D
Entries 70
Mean 0.02827
Std Dev 1.029

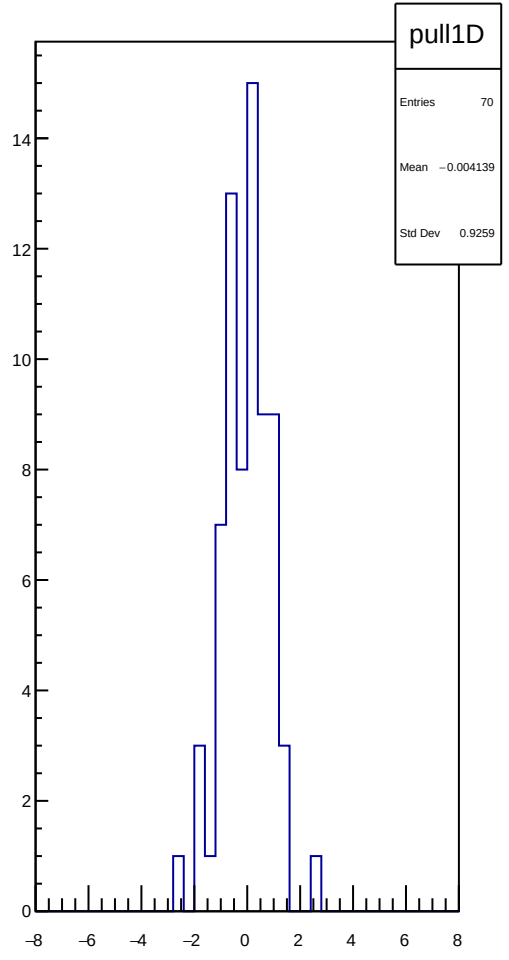

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.008e+05 / 69
p0 5.274e−12 ± 5.831e−15
25
20
15
10
5

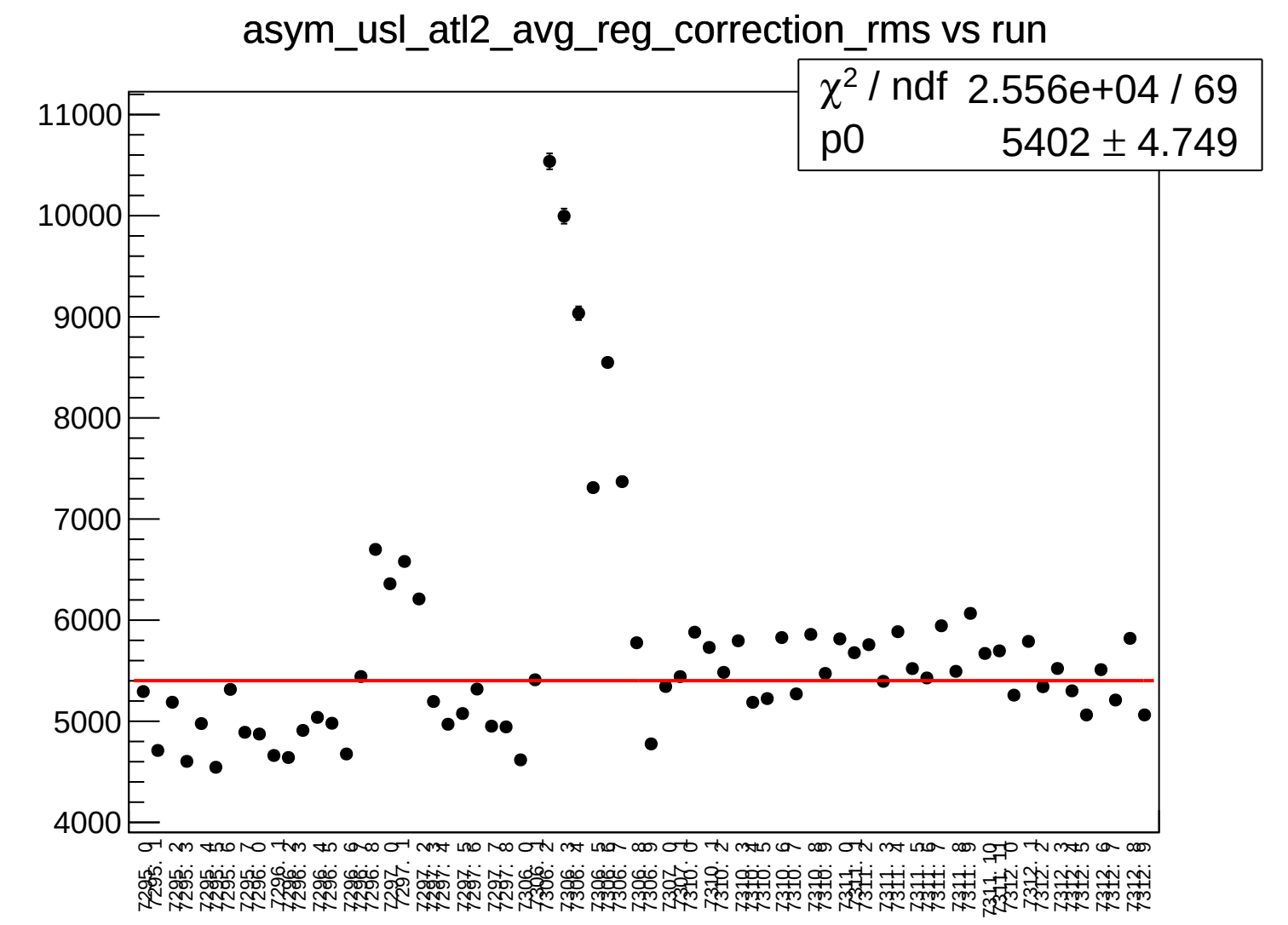

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 66.76 / 69
p0 −1732 ± 1730
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −137.9
Std Dev 0
2
1
0
−1
−2
−3

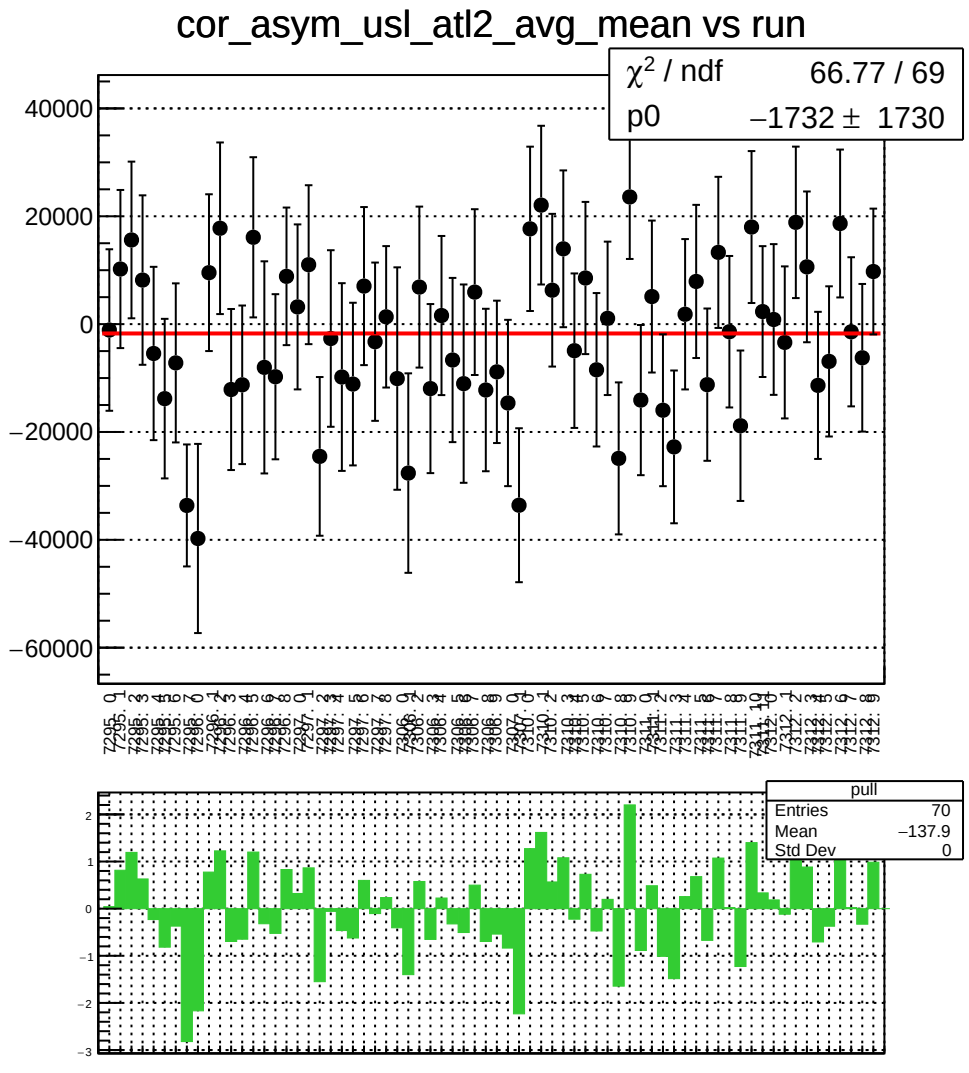

pull1D
Entries 70
Mean −0.01631
Std Dev 0.9765
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

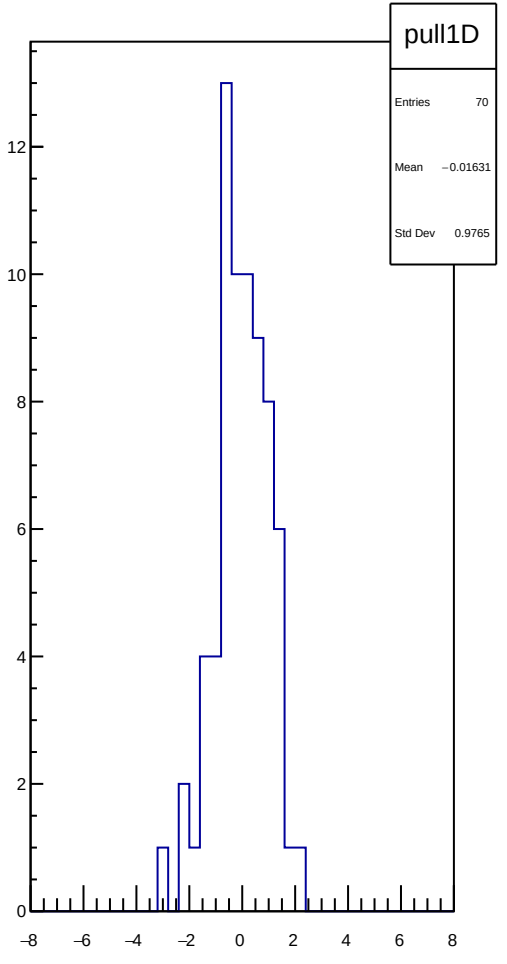

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 7575 / 69
p0 1401 ± 1.223
2000
1900
1800
1700
1600
1500
1400
1300

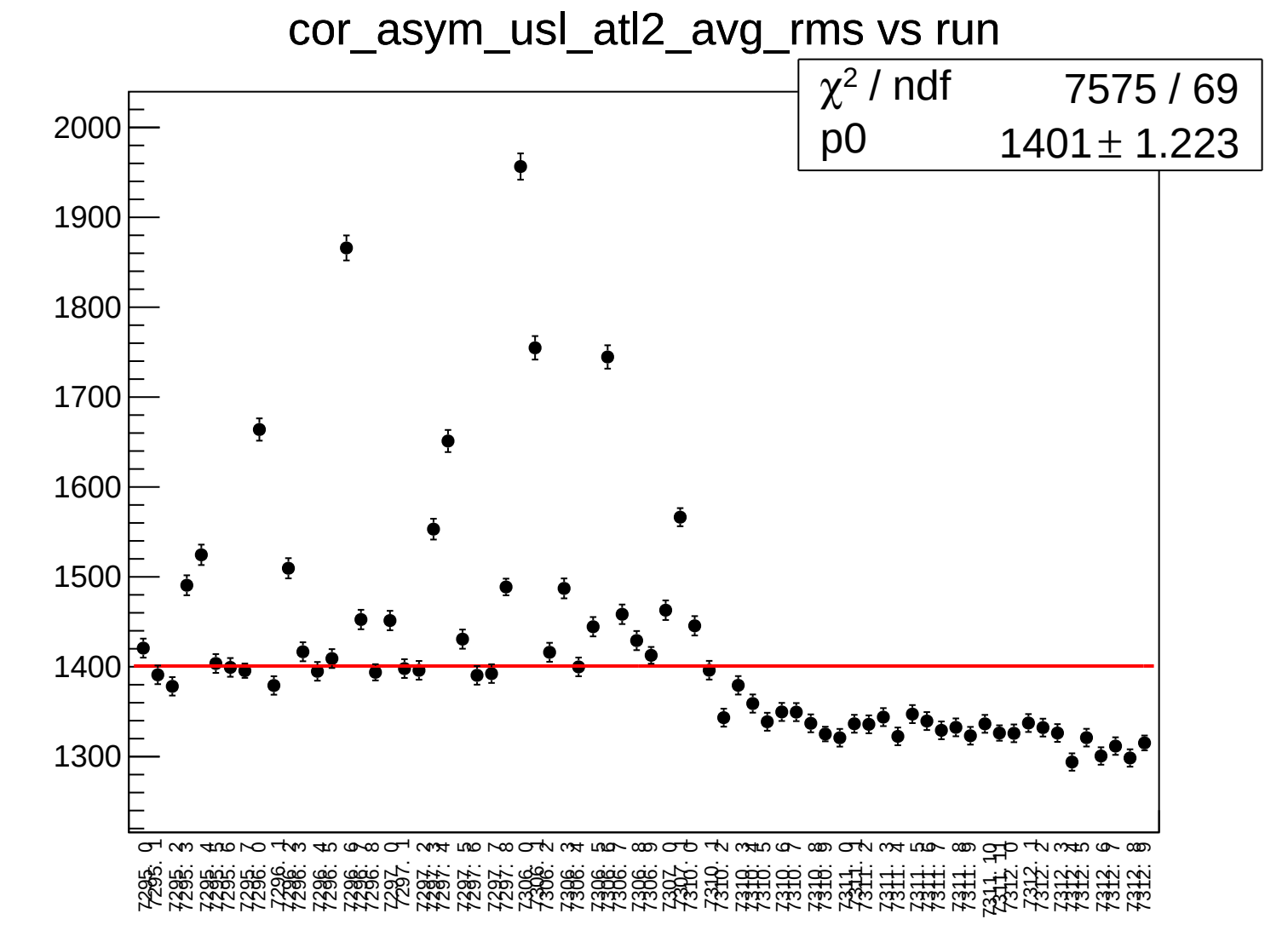

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 60.01 / 69
p0 −2446 ± 6717
200
100
0
−100
−200
pull
Entries 70
Mean 535.1
Std Dev 0
2
1
0
−1
−2

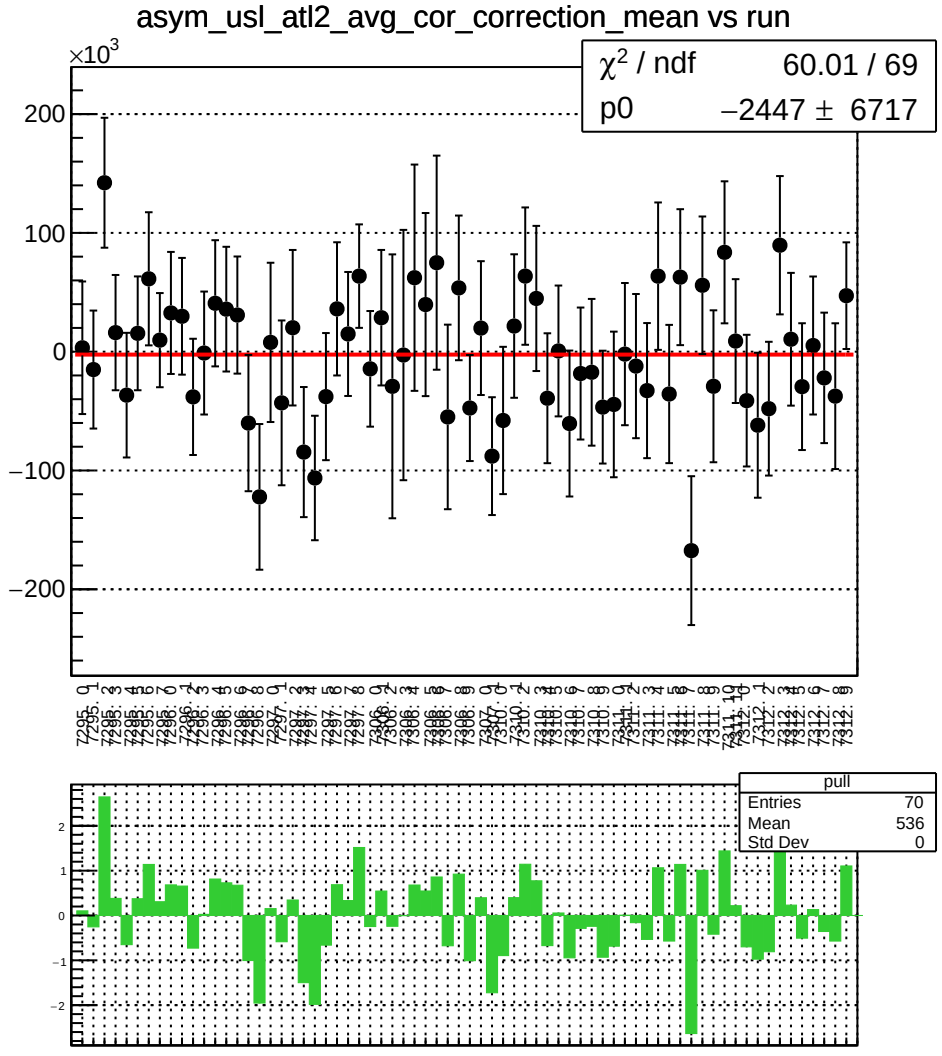

pull1D
Entries 70
Mean −0.004139
Std Dev 0.9259
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

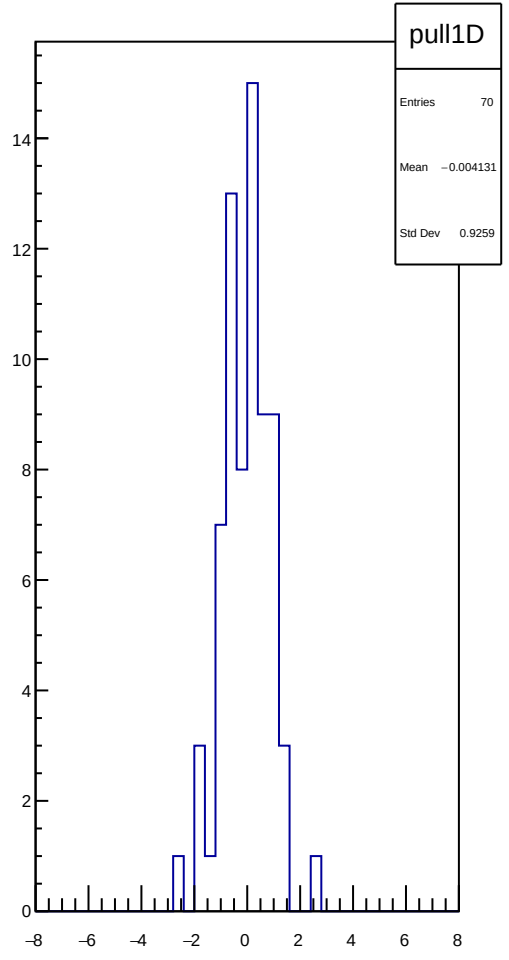

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 2.556e+04 / 69
p0 5402 ± 4.749
11000
10000
9000
8000
7000
6000
5000
4000

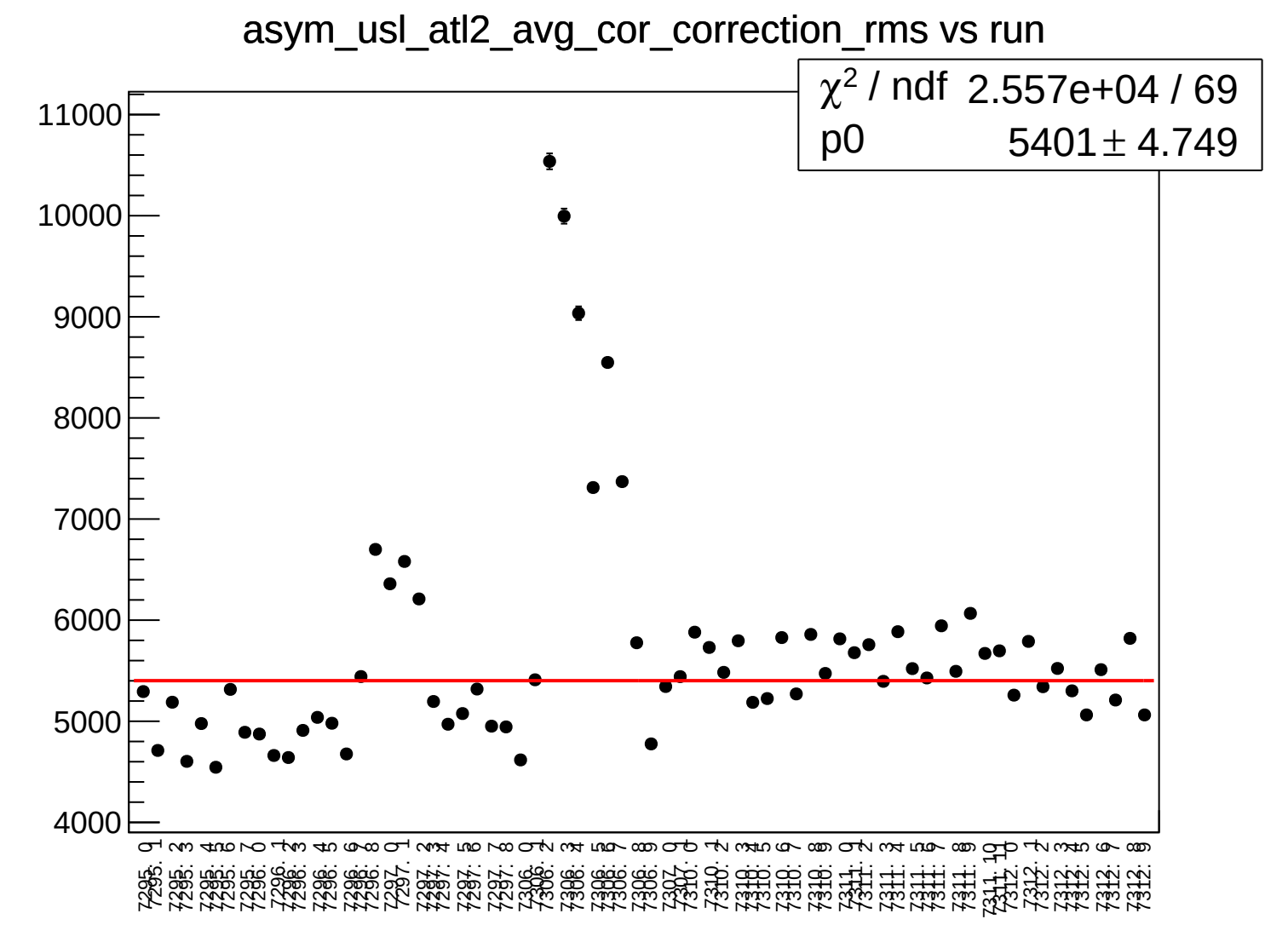

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 66.77 / 69
p0 −1732 ± 1730
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −137.9
Std Dev 0
2
1
0
−1
−2
−3

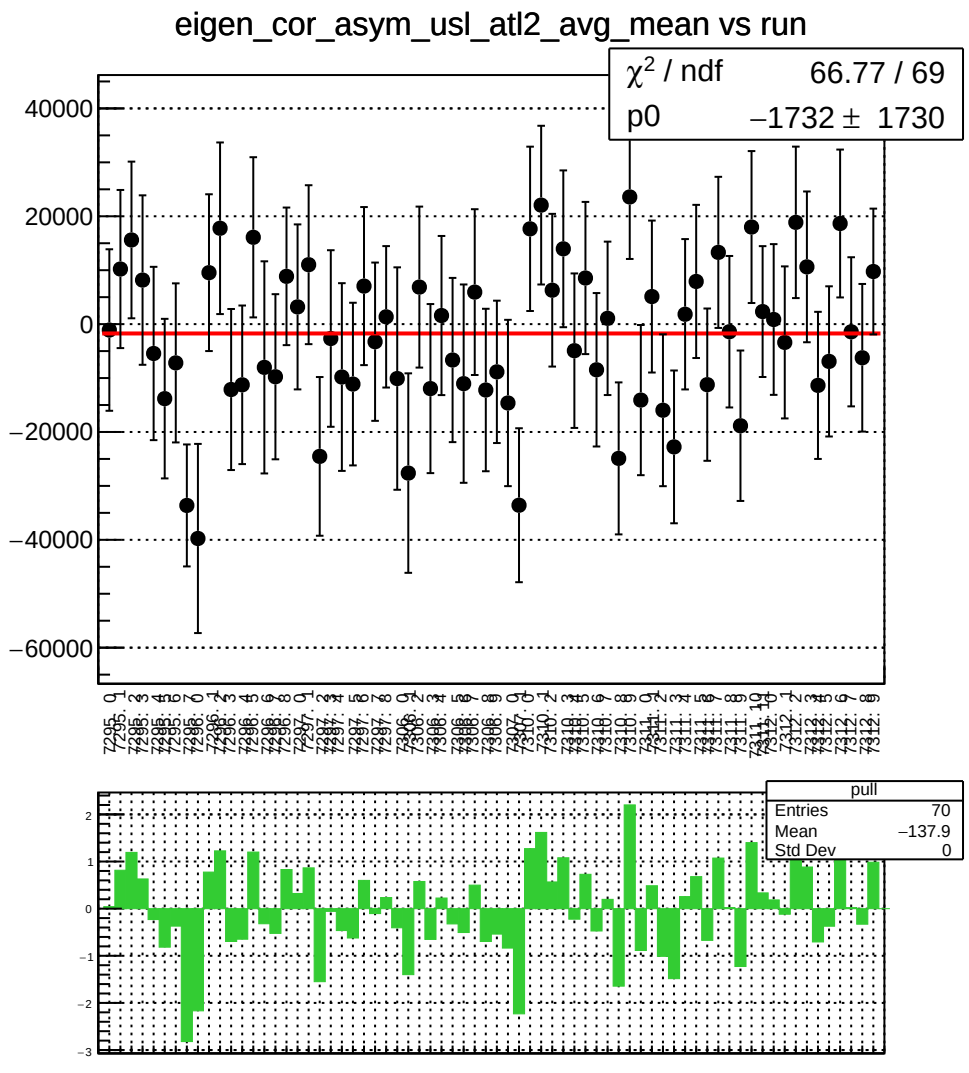

pull1D
Entries 70
Mean −0.01631
Std Dev 0.9765
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

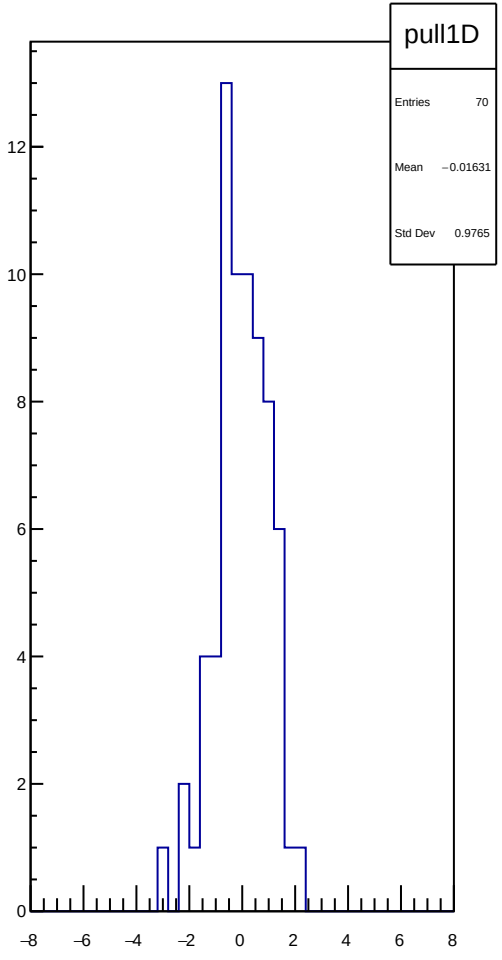

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 7575 / 69
p0 1401 ± 1.223
2000
1900
1800
1700
1600
1500
1400
1300


asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 60.01 / 69
p0 −2447 ± 6717
200
100
0
−100
−200
pull
Entries 70
Mean 536
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean −0.004131
Std Dev 0.9259
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 2.557e+04 / 69
p0 5401 ± 4.749
11000
10000
9000
8000
7000
6000
5000
4000


eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 66.77 / 69
p0 −1732 ± 1730
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −137.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 70
Mean −0.01631
Std Dev 0.9765
12
10
8
6
4
2
0
−8
−6
−4
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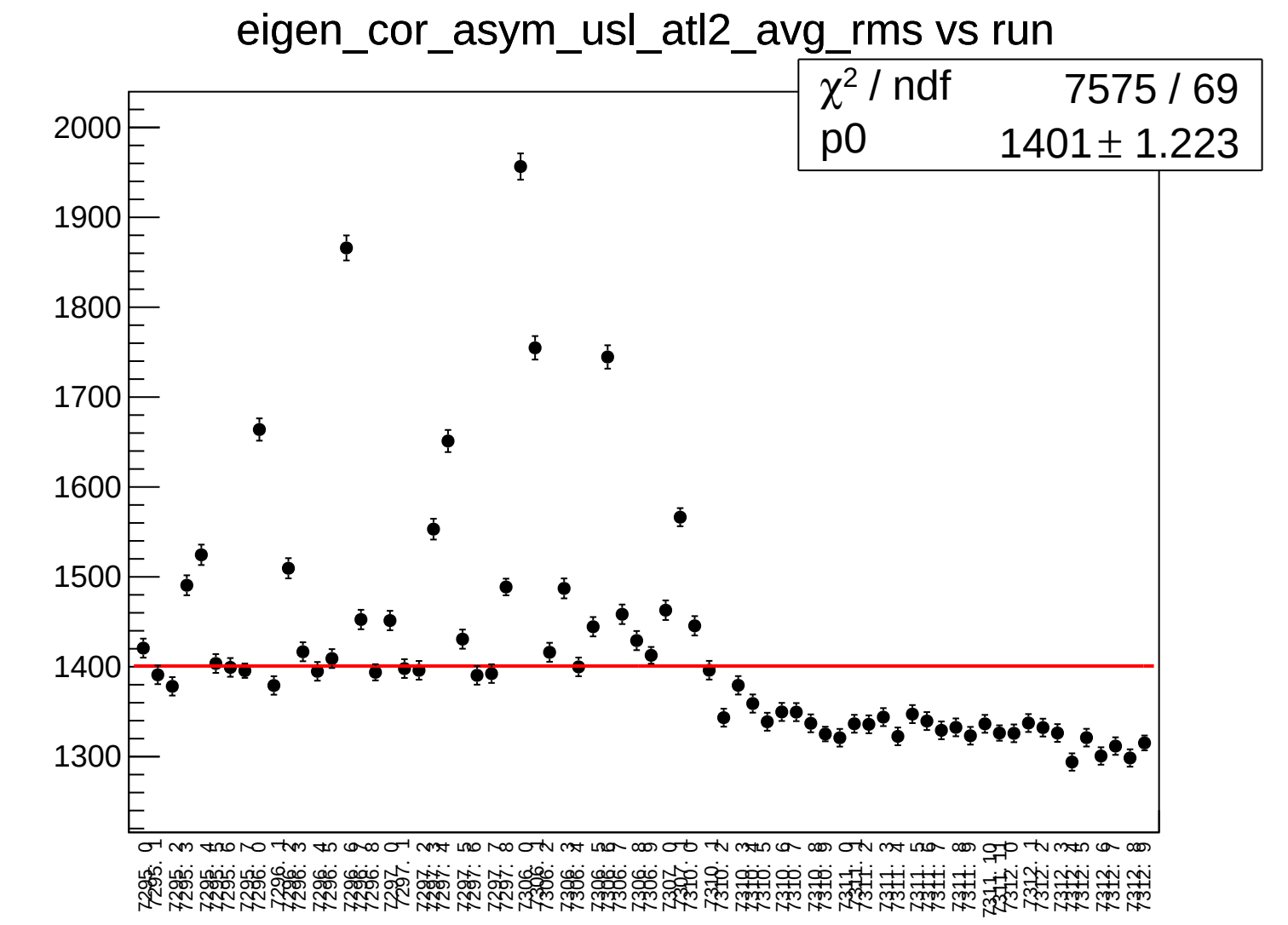
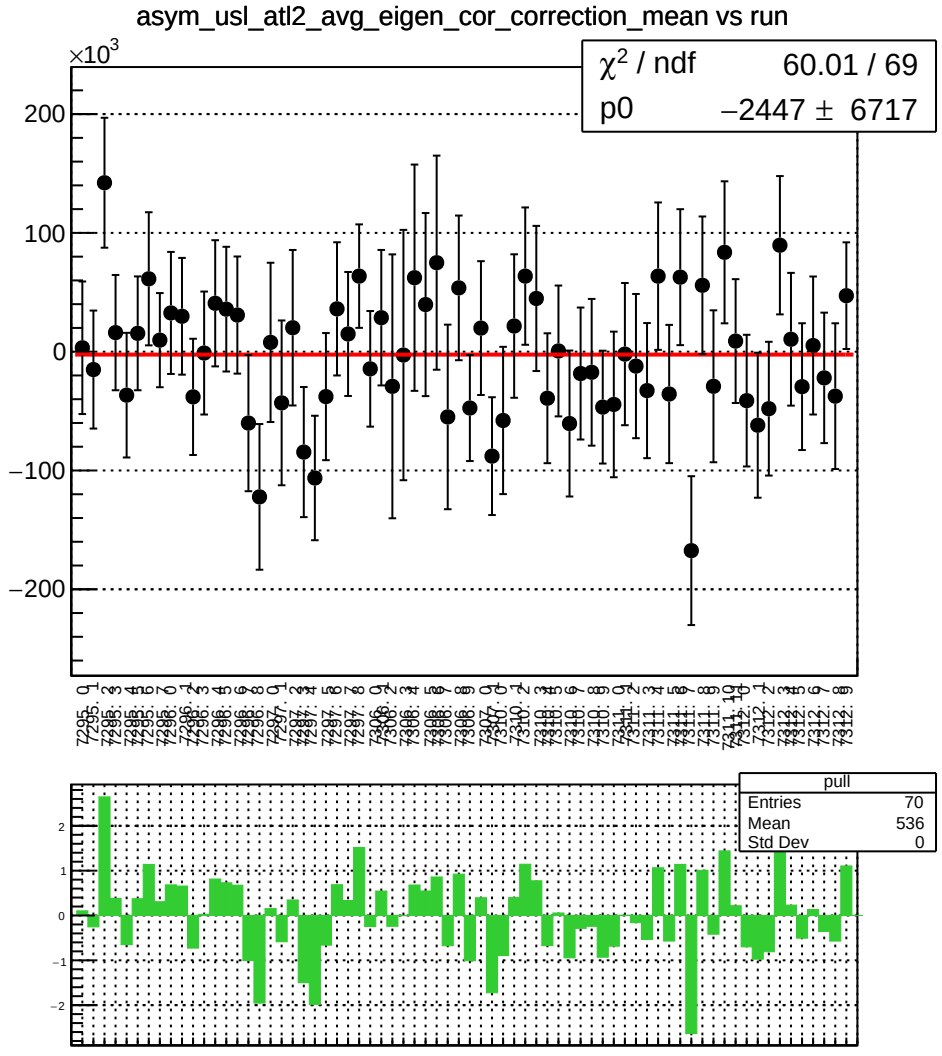
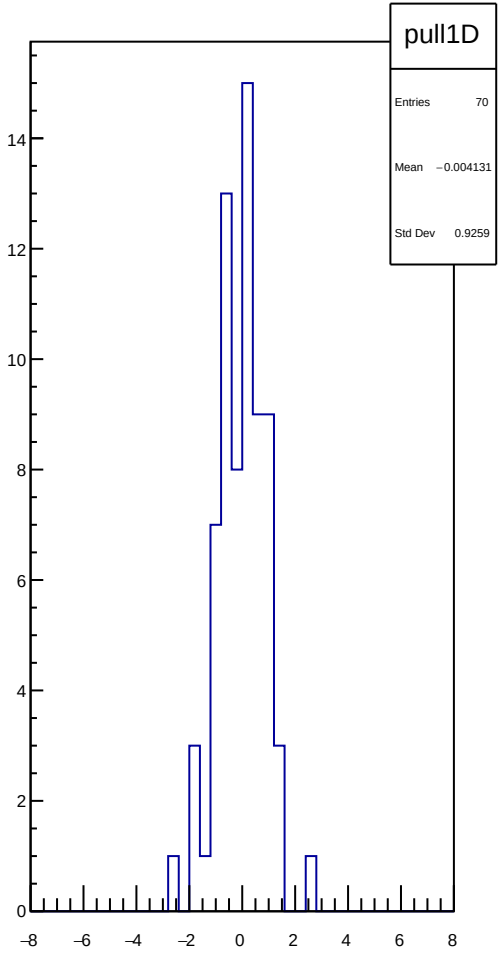
2
4
6
8


eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 7575 / 69
p0 1401 ± 1.223
2000
1900
1800
1700
1600
1500
1400
1300


asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 60.01 / 69
p0 −2447 ± 6717
200
100
0
−100
−200
pull
Entries 70
Mean 536
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean −0.004131
Std Dev 0.9259
14
12
10
8
6
4
2
0
−8
−6
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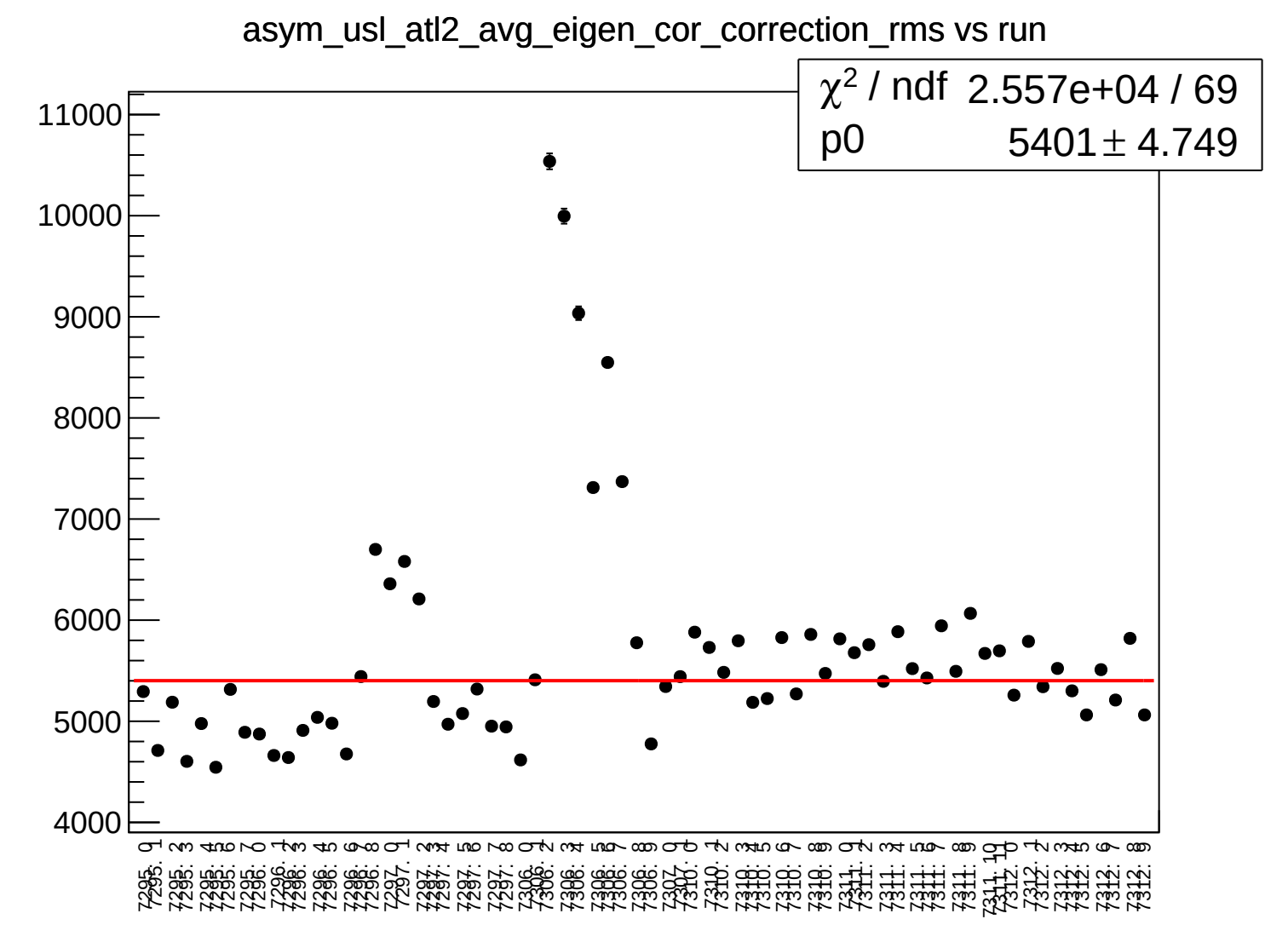
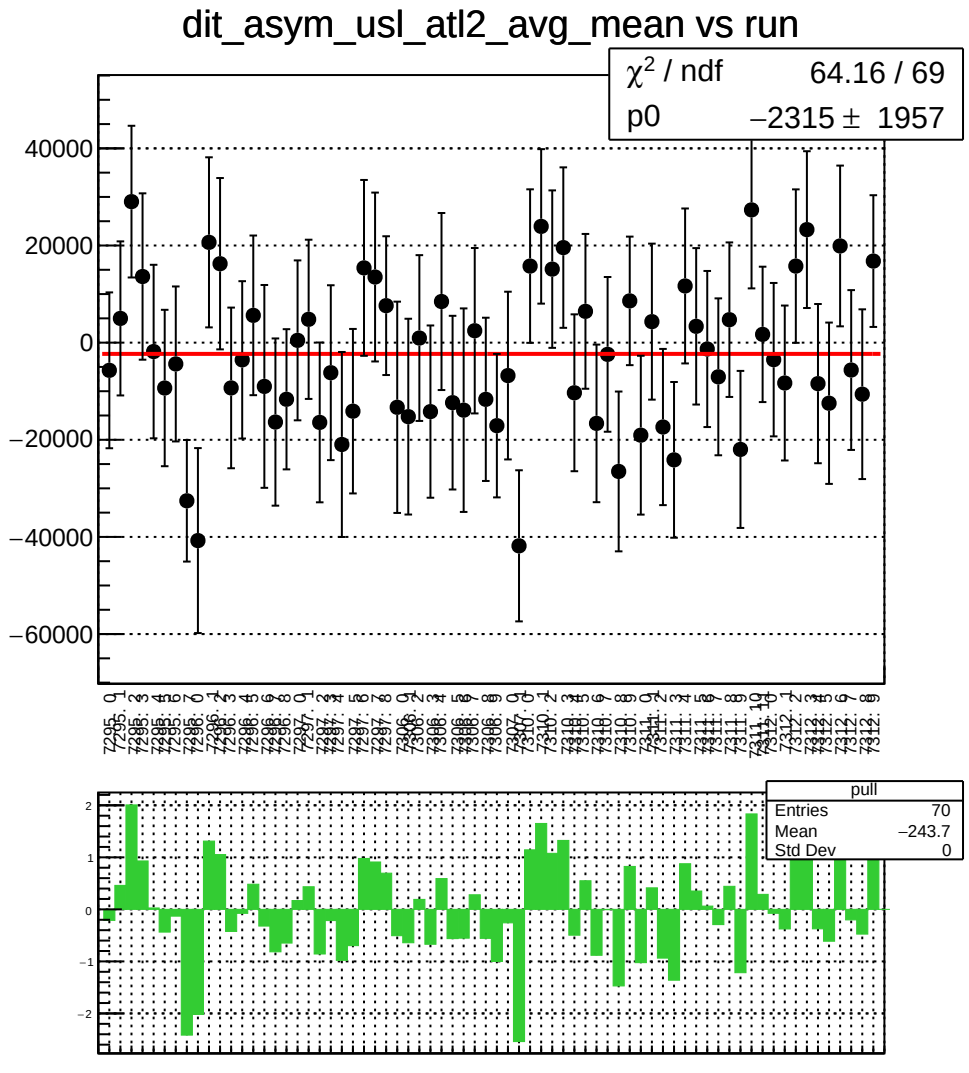
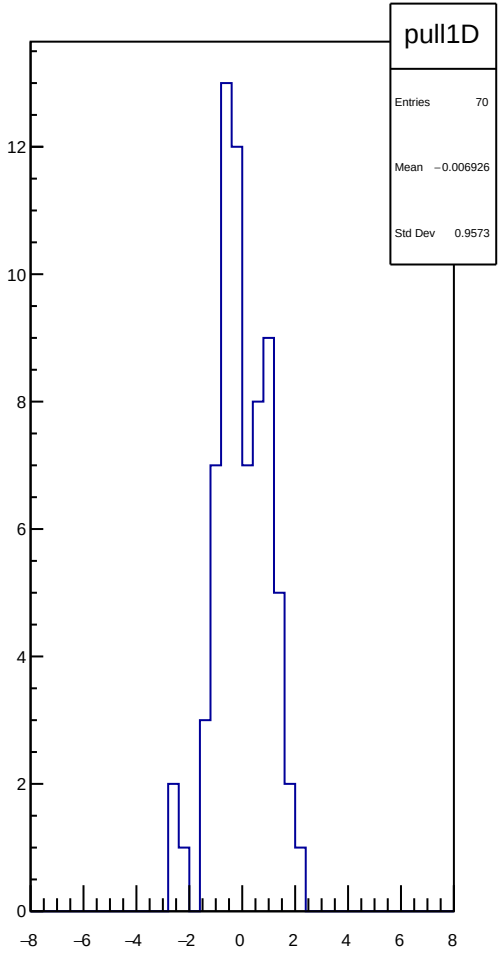
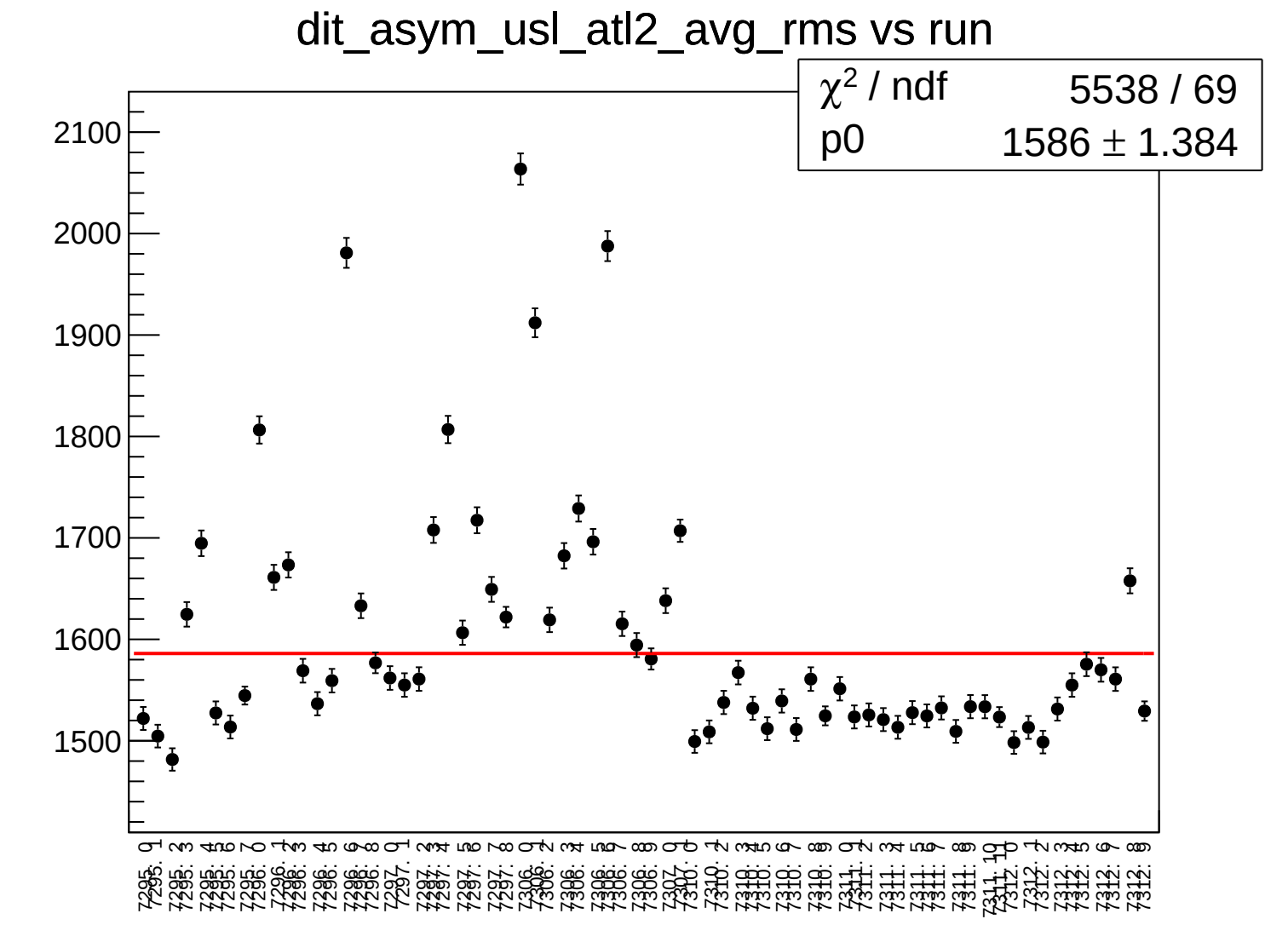
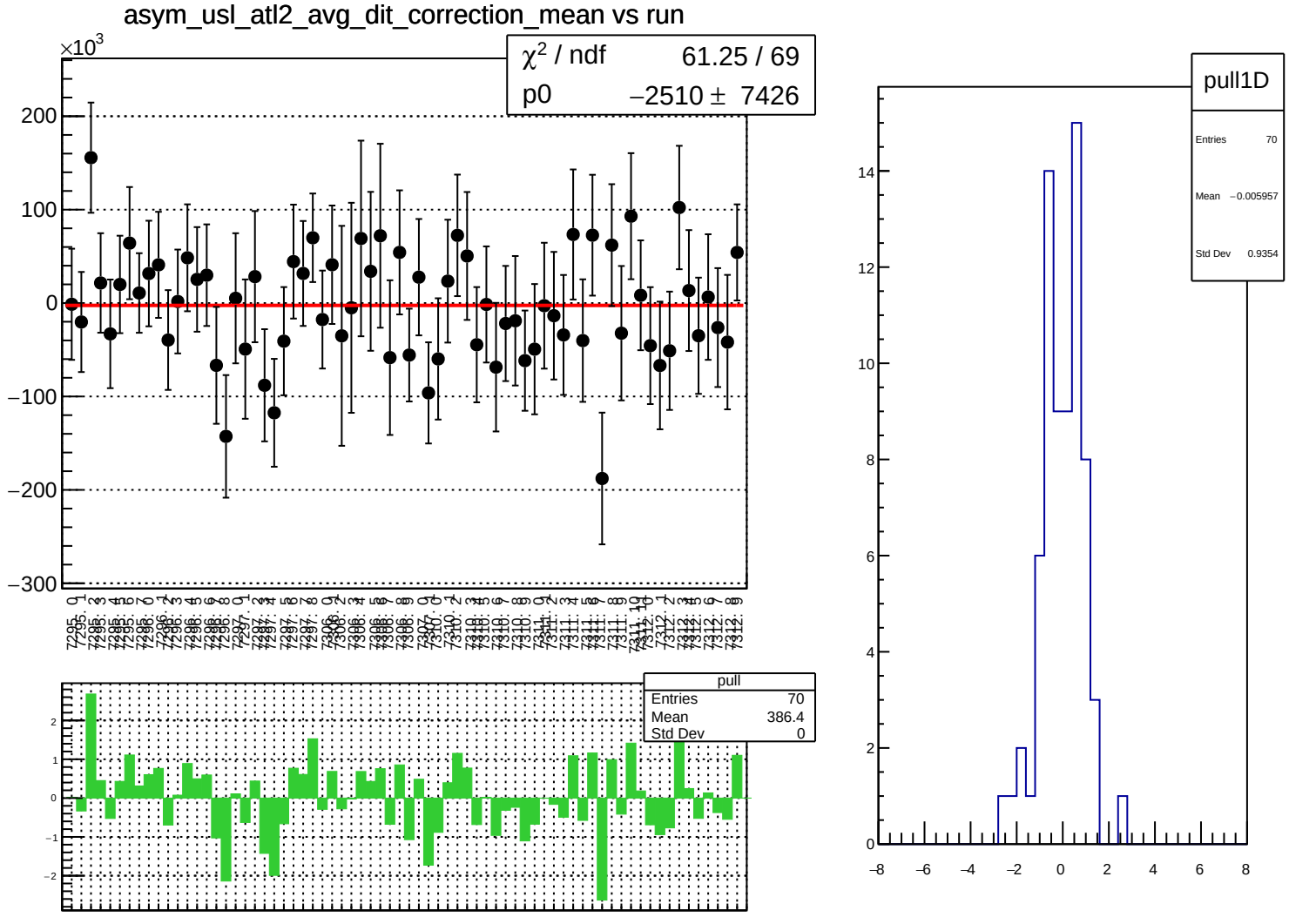
2
4
6
8

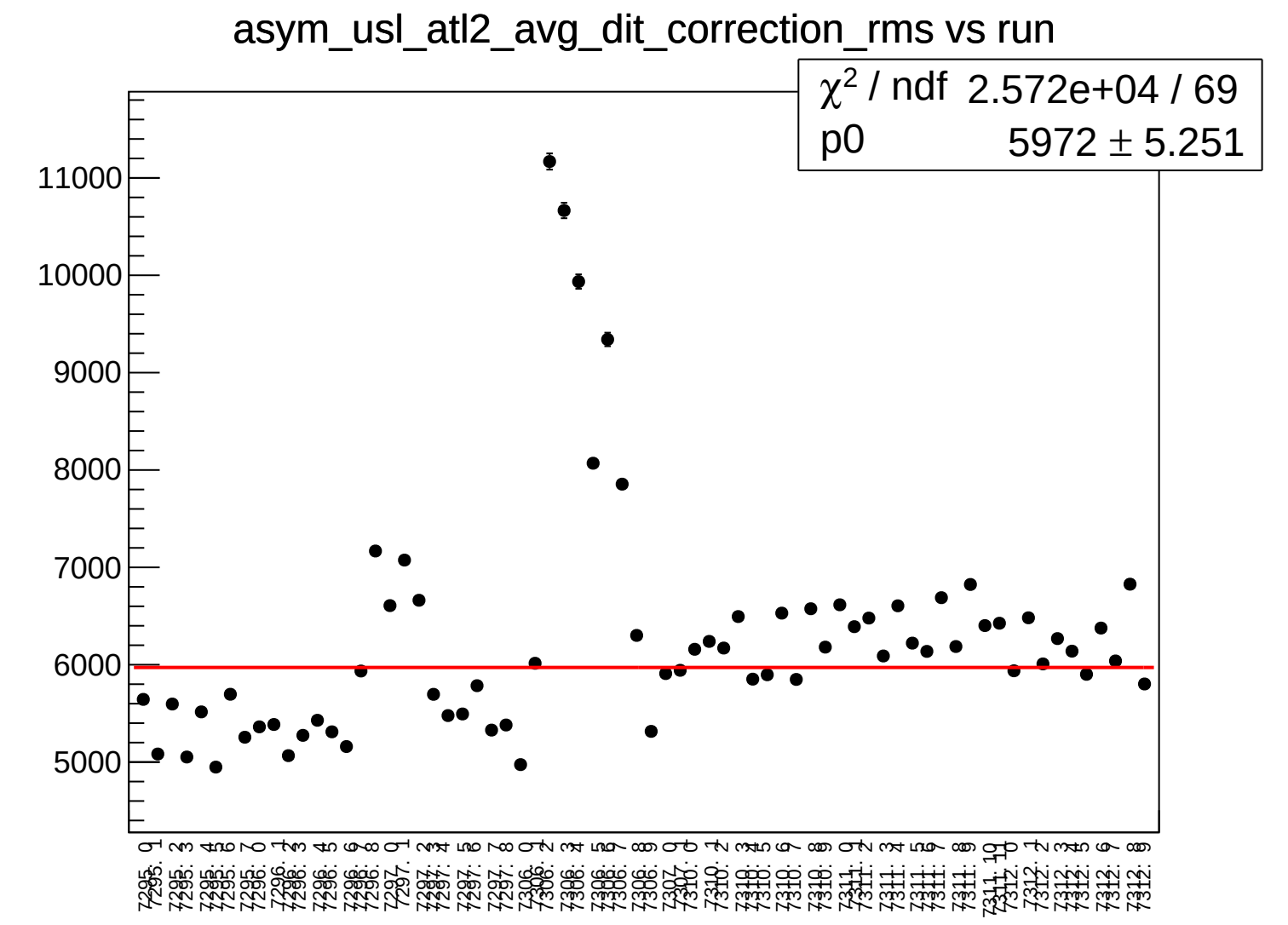

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.557e+04 / 69
p0 5401 ± 4.749
11000
10000
9000
8000
7000
6000
5000
4000

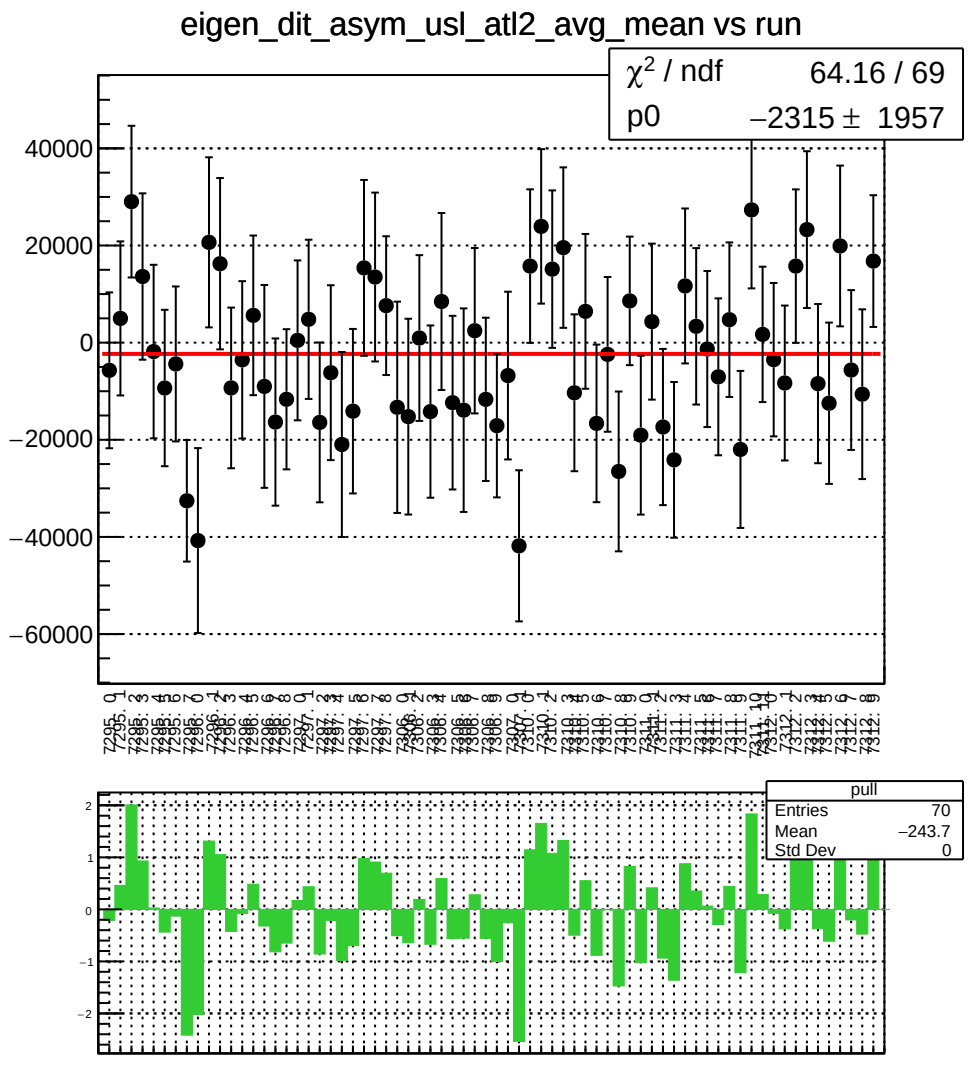

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 64.16 / 69
p0 −2315 ± 1957
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −243.7
Std Dev 0
2
1
0
−1
−2

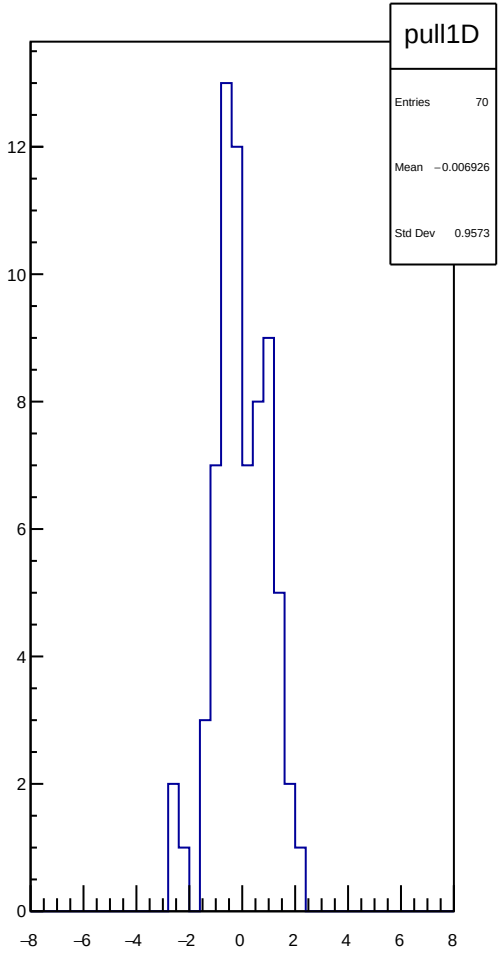

pull1D
Entries 70
Mean −0.006926
Std Dev 0.9573
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

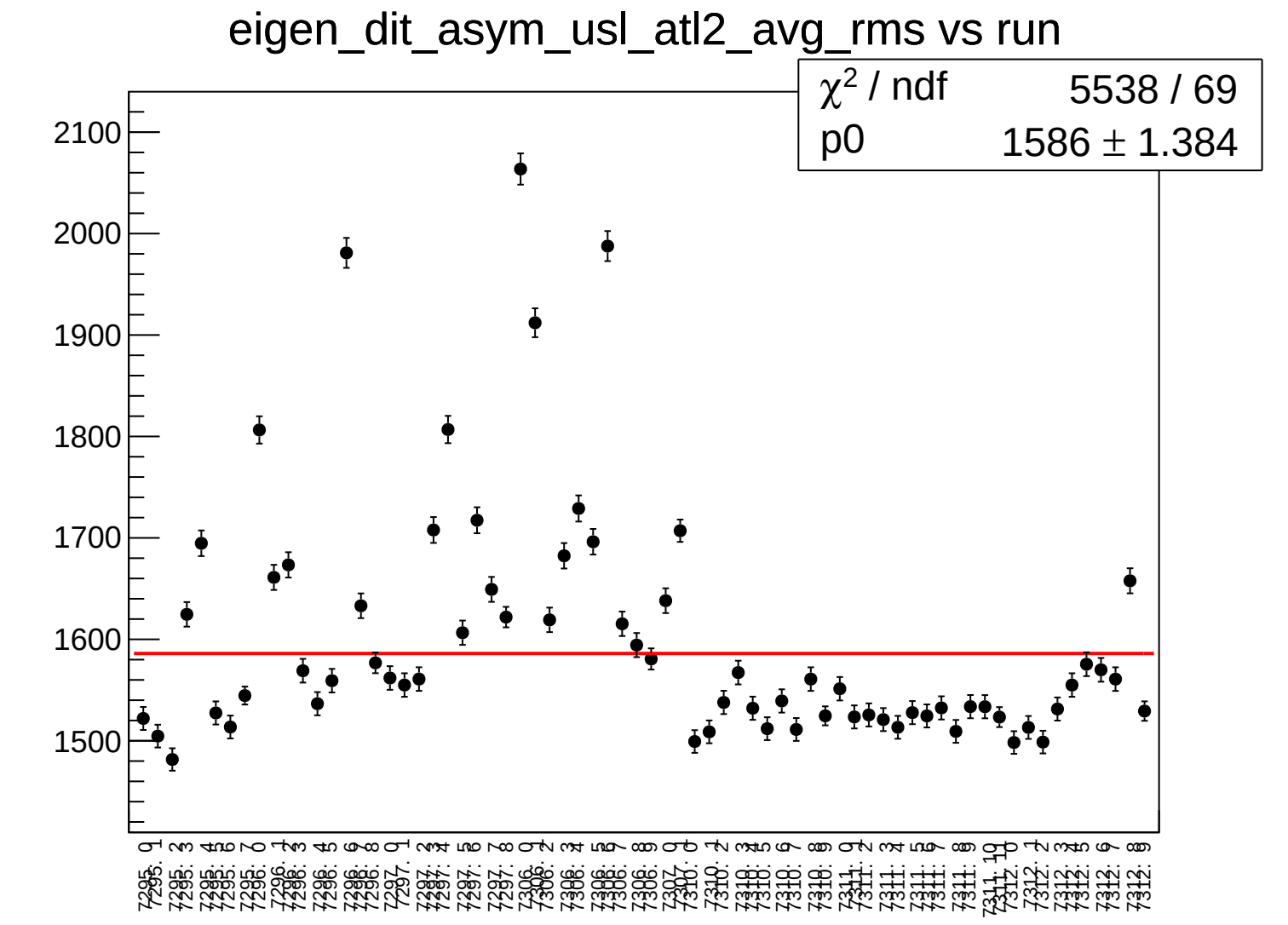

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 5538 / 69
p0 1586 ± 1.384
2100
2000
1900
1800
1700
1600
1500

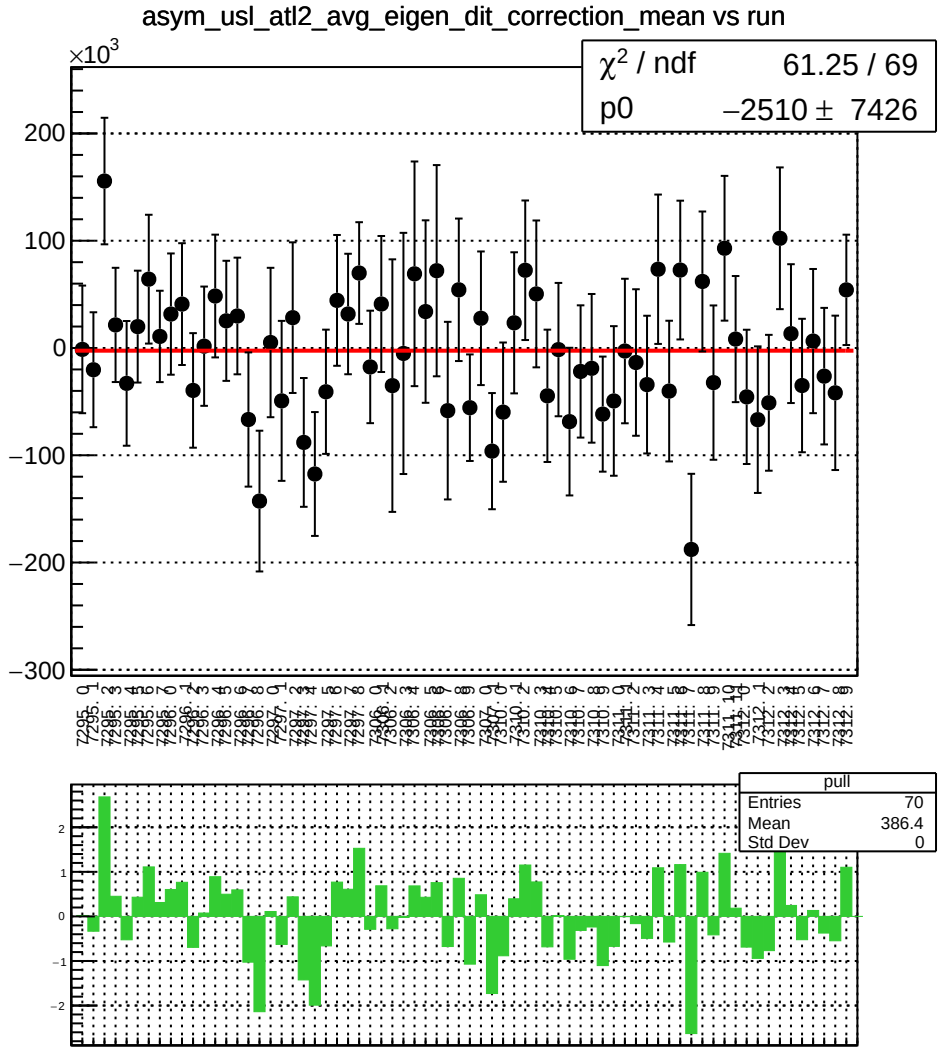

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 61.25 / 69
p0 −2510 ± 7426
200
100
0
−100
−200
−300
pull
Entries 70
Mean 386.4
Std Dev 0
pull1D
Entries 70
Mean −0.005957
Std Dev 0.9354
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

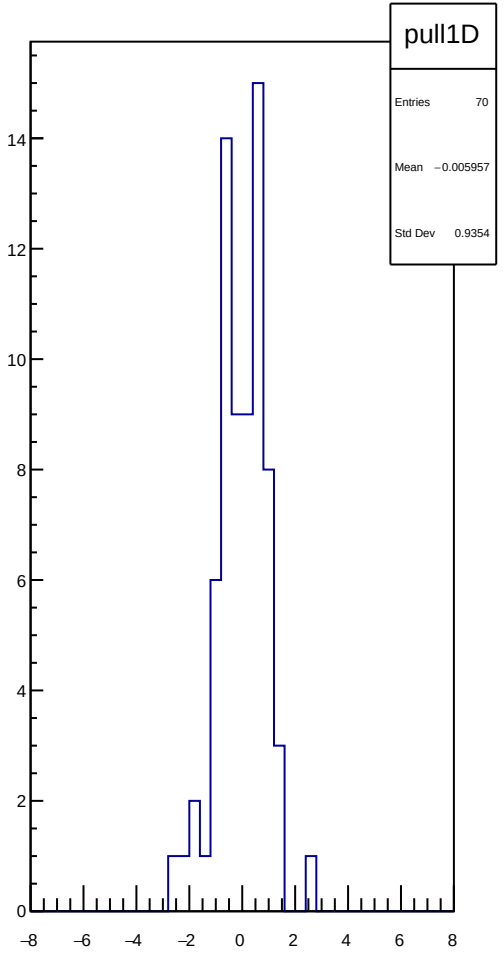

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 2.572e+04 / 69
p0 5972 ± 5.251
11000
10000
9000
8000
7000
6000
5000

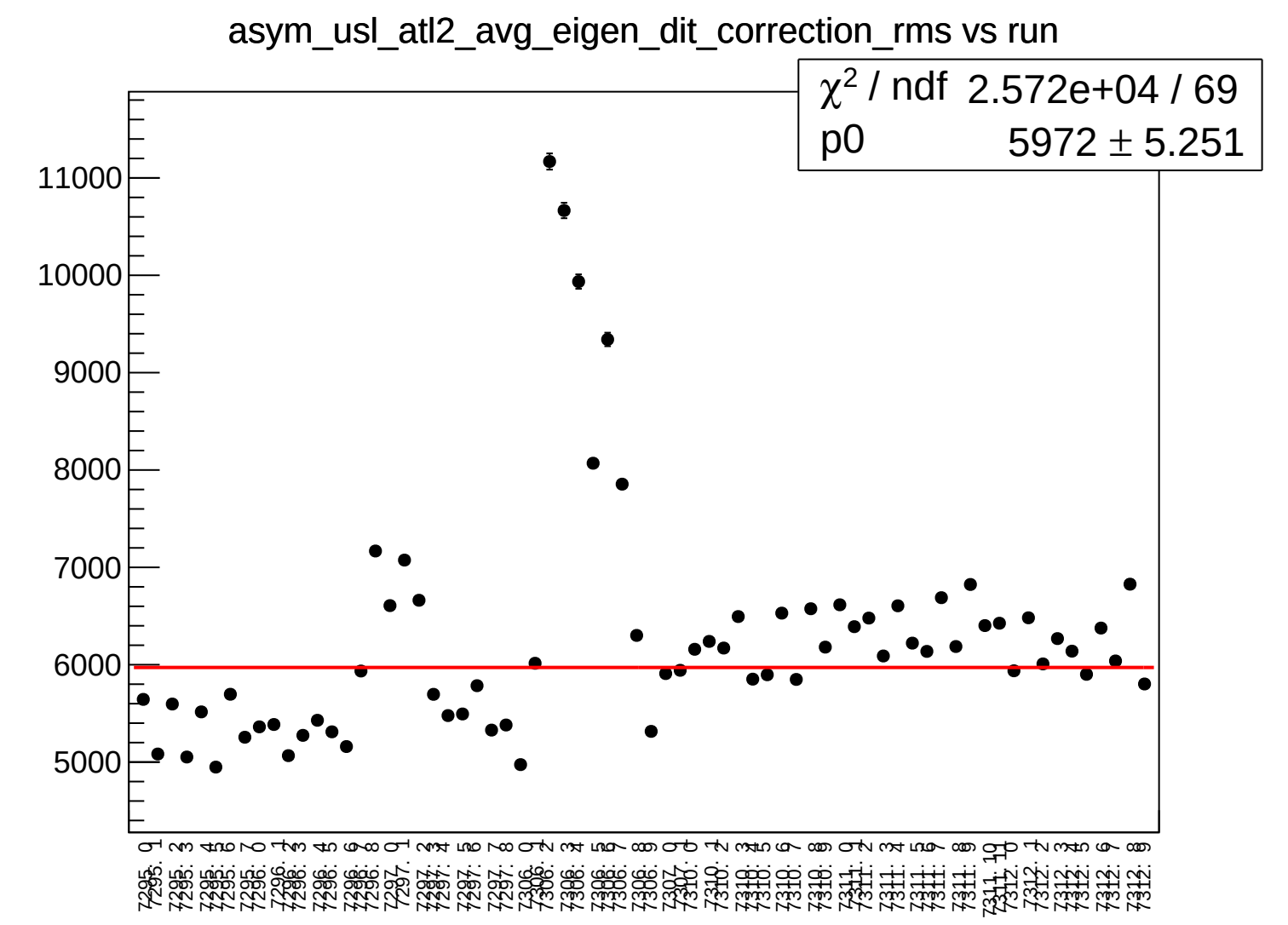

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 64.16 / 69
p0 −2315 ± 1957
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −243.7
Std Dev 0
2
1
0
−1
−2

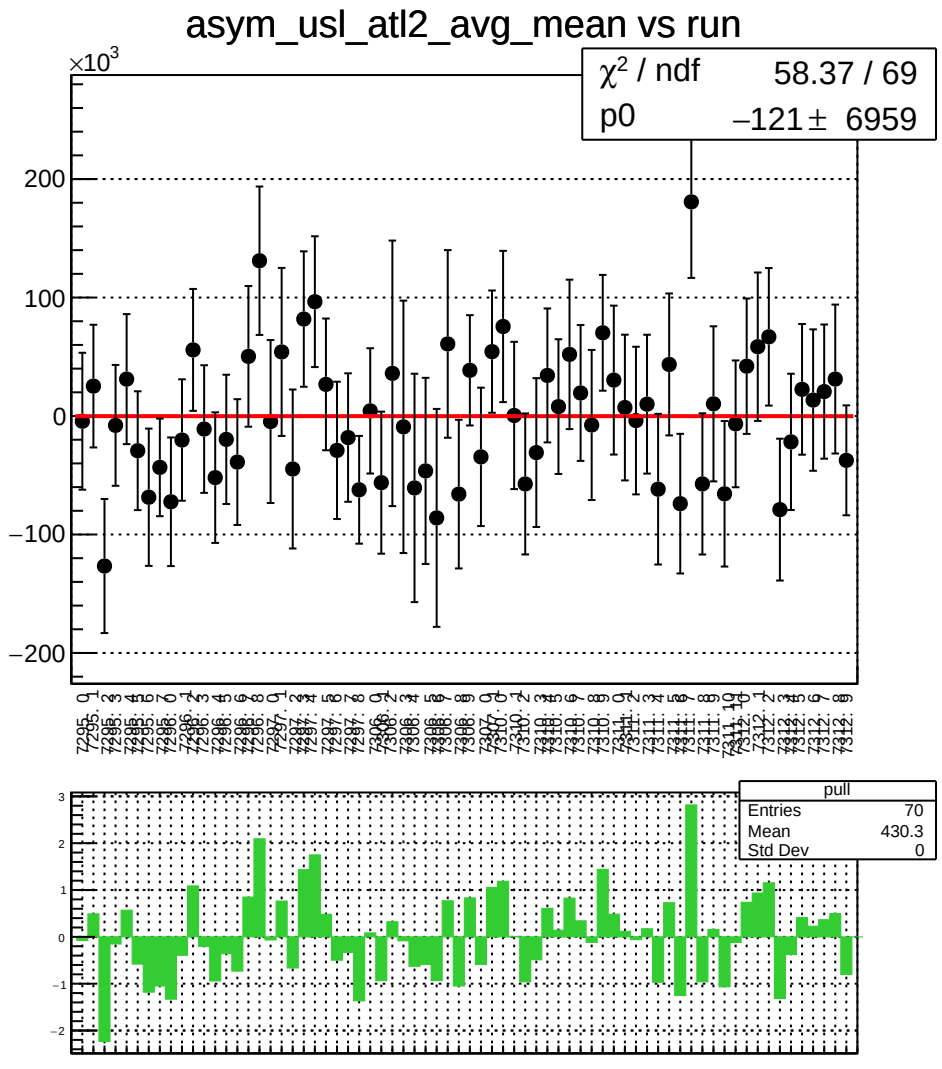

pull1D
Entries 70
Mean −0.006926
Std Dev 0.9573
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

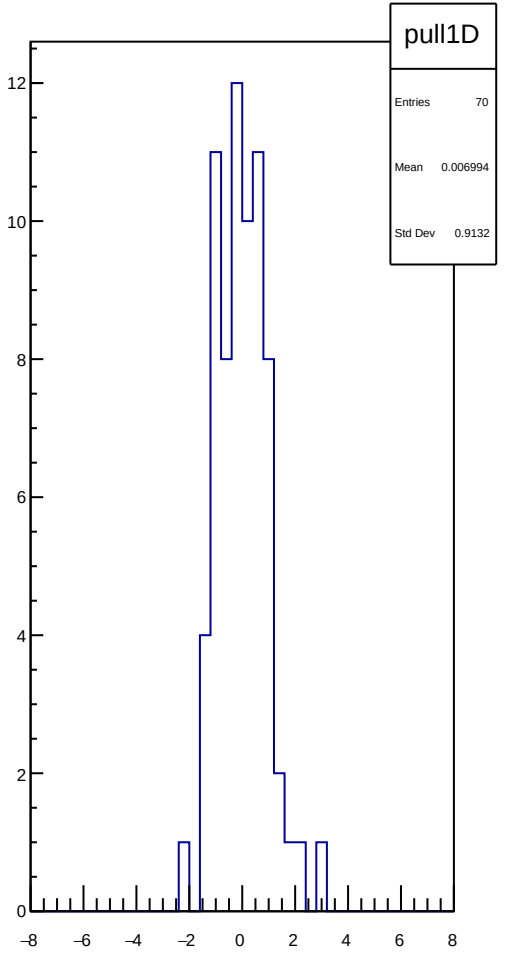

eigen_dit_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 5538 / 69
p0 1586 ± 1.384
2100
2000
1900
1800
1700
1600
1500

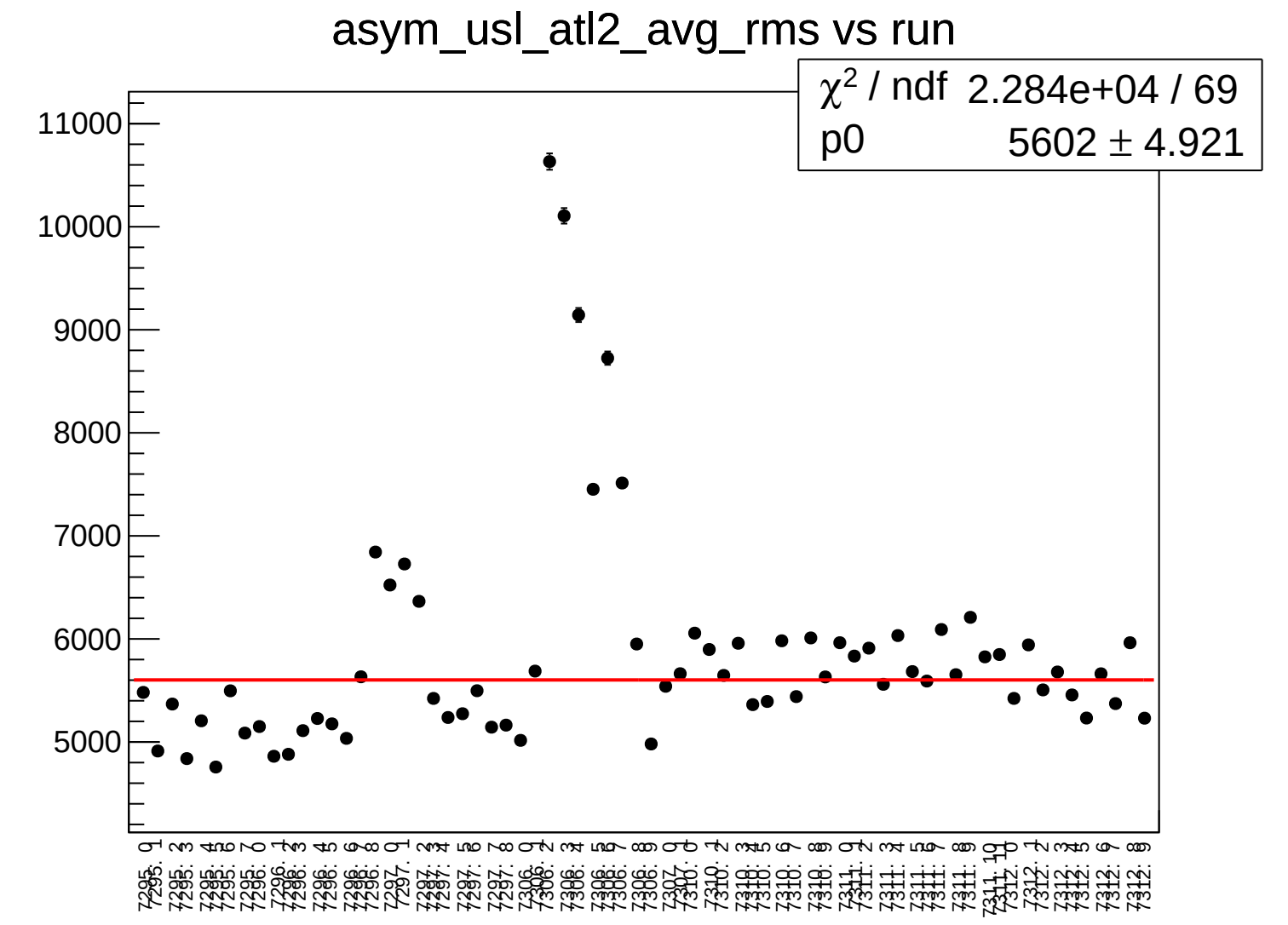

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.25 / 69
p0 −2510 ± 7426
pull
Entries 70
Mean 386.4
Std Dev 0

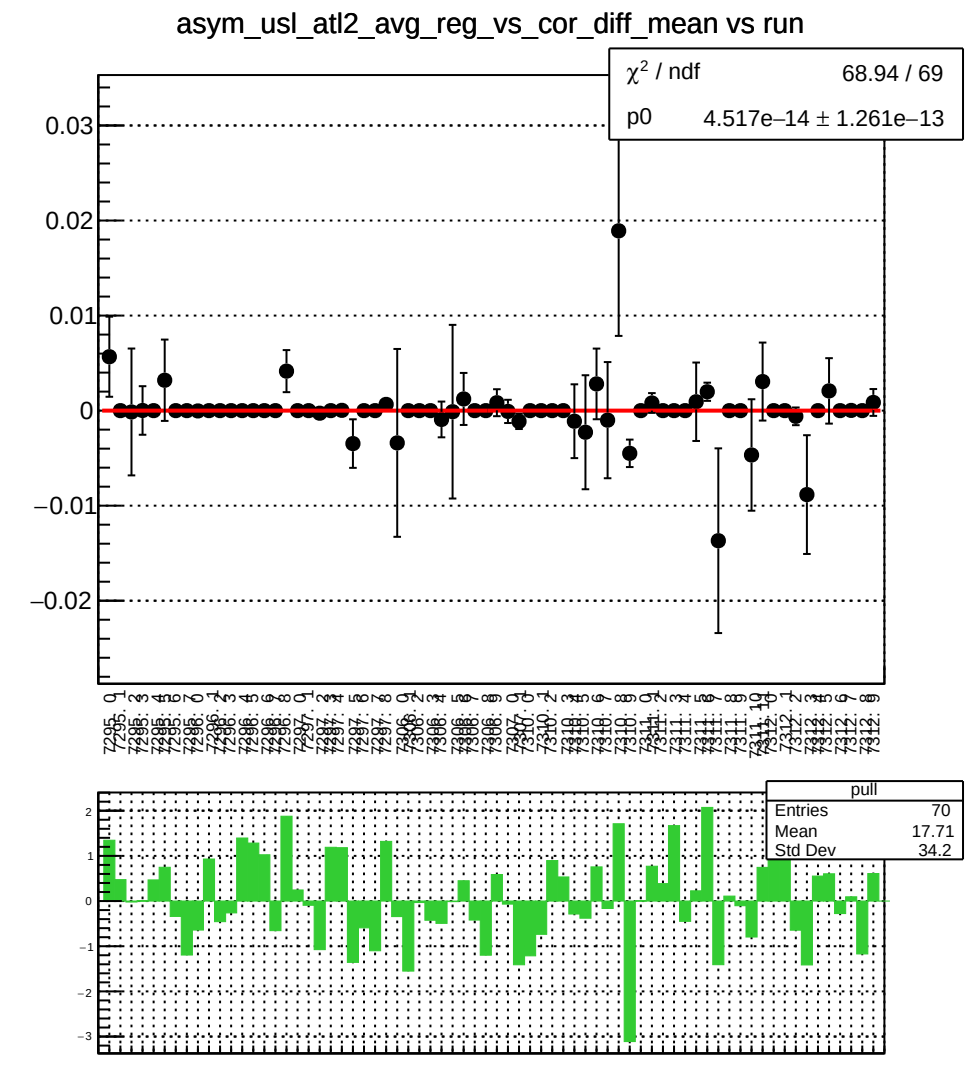

pull1D
Entries 70
Mean −0.005957
Std Dev 0.9354

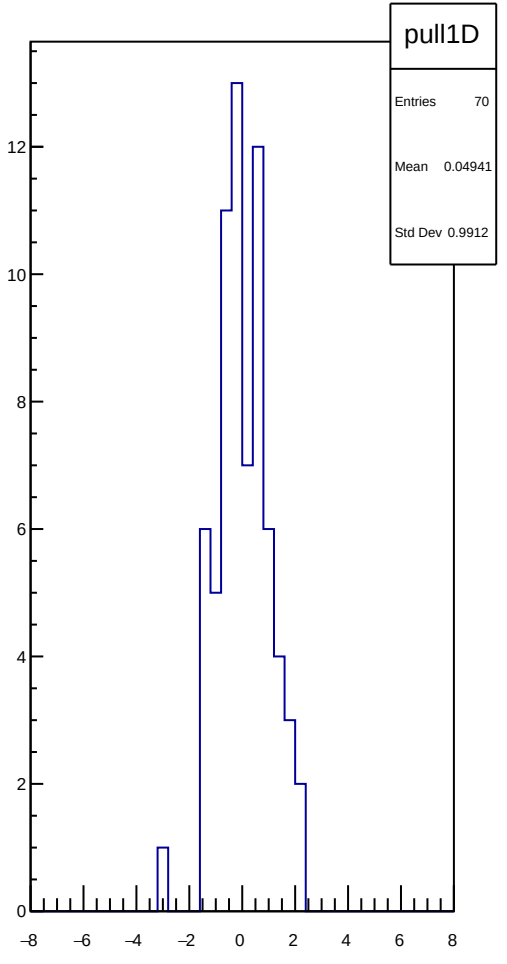

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.572e+04 / 69
p0 5972 ± 5.251
11000
10000
9000
8000
7000
6000
5000

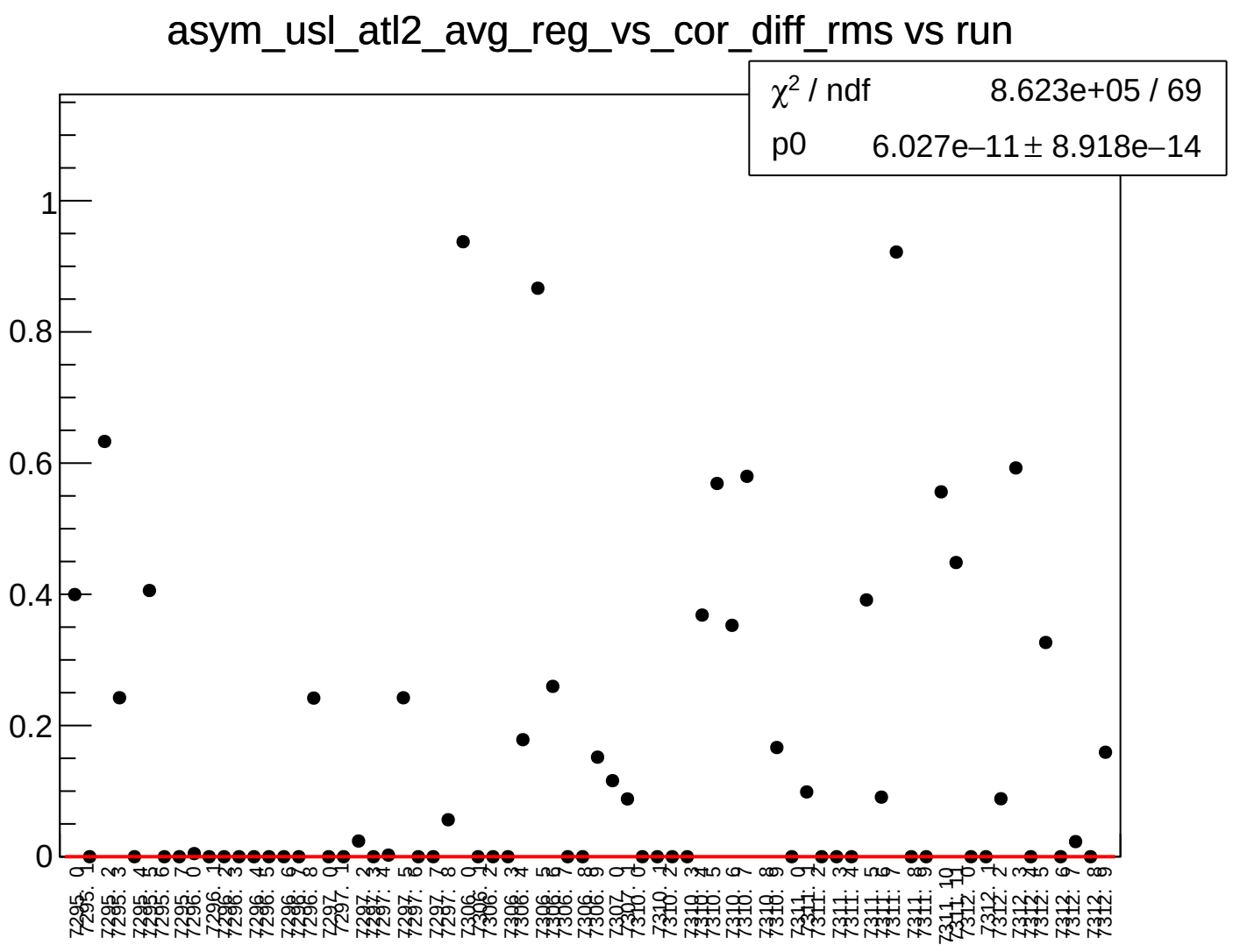

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 58.37 / 69
p0 −121 ± 6959
200
100
0
−100
−200
pull
Entries 70
Mean 430.3
Std Dev 0
3
2
1
0
−1
−2

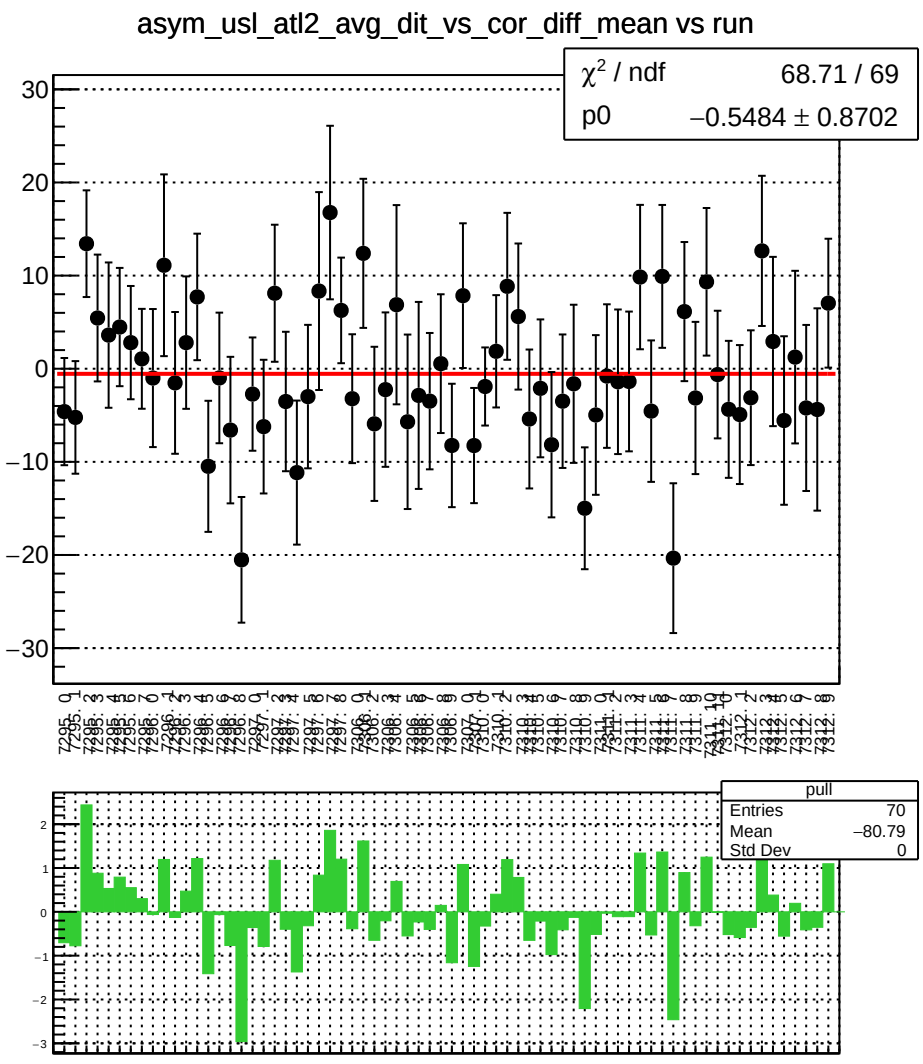

pull1D
Entries 70
Mean 0.006994
Std Dev 0.9132
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

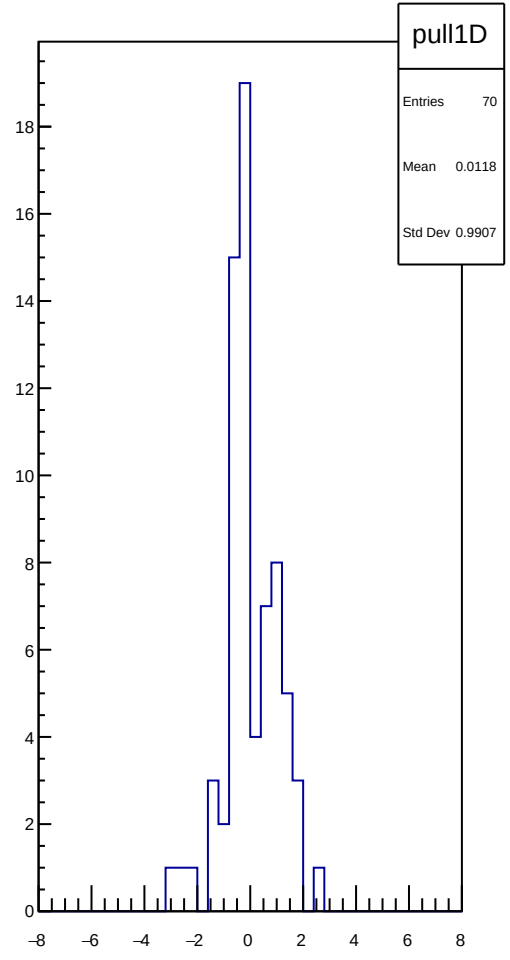

asym_usl_atl2_avg_rms vs run
χ^2 / ndf 2.284e+04 / 69
p0 5602 ± 4.921
11000
10000
9000
8000
7000
6000
5000

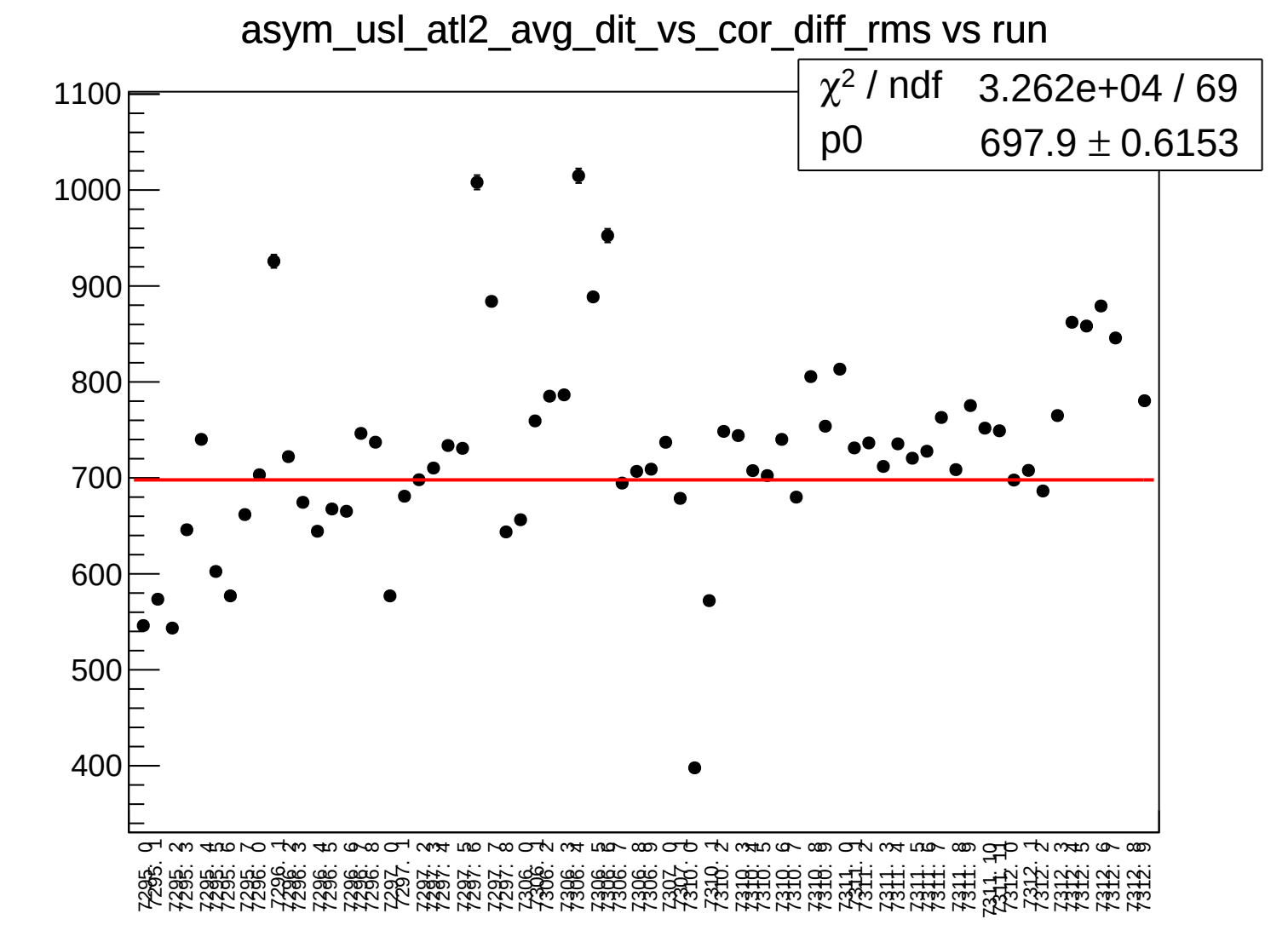

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.94 / 69
p0 4.517e−14 ± 1.261e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 70
Mean 17.71
Std Dev 34.2
2
1
0
−1
−2
−3

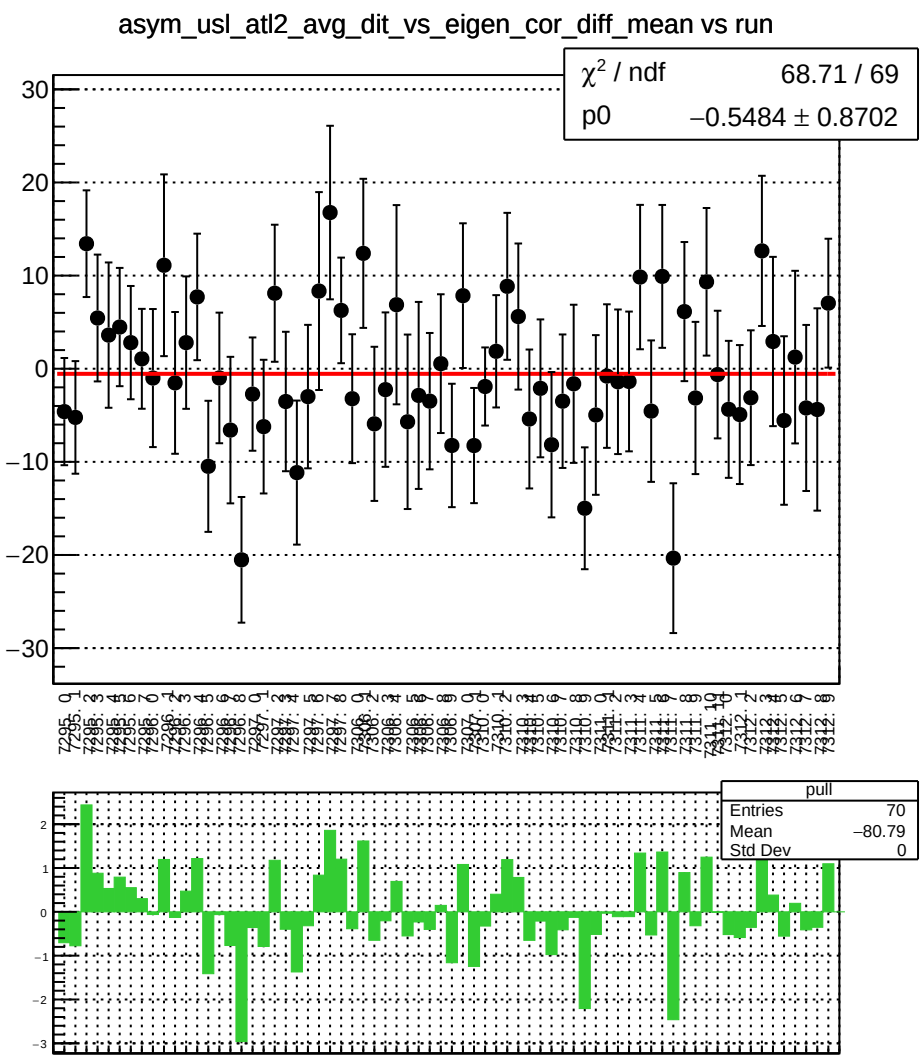

pull1D
Entries 70
Mean 0.04941
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

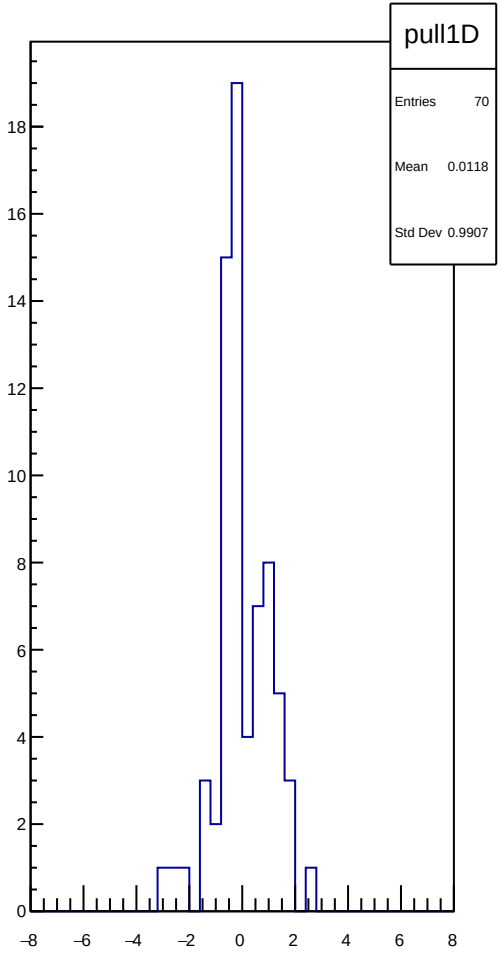

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.623e+05 / 69
p0 6.027e−11 ± 8.918e−14
1
0.8
0.6
0.4
0.2
0

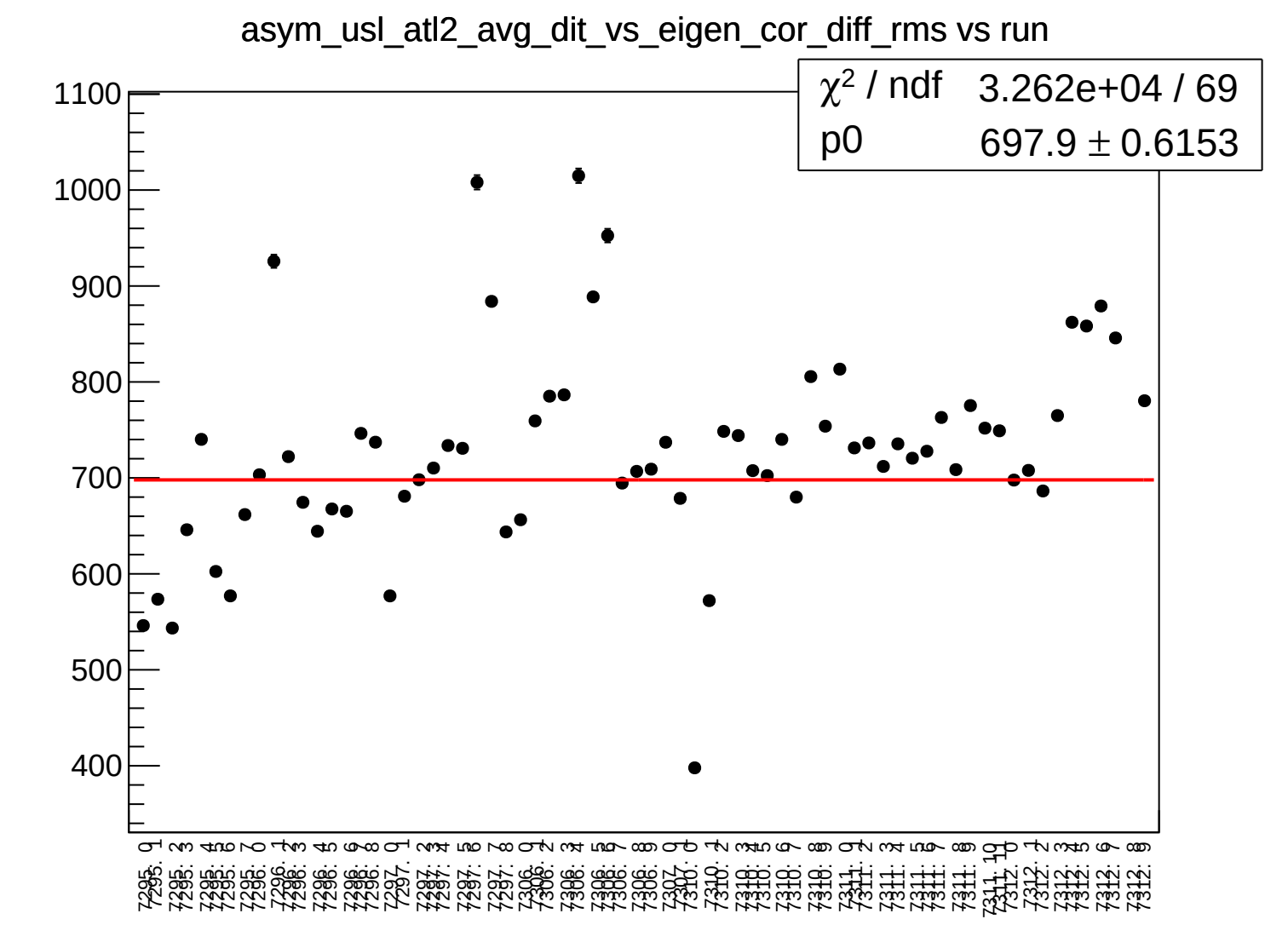

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.5484 ± 0.8702
pull
Entries 70
Mean −80.79
Std Dev 0

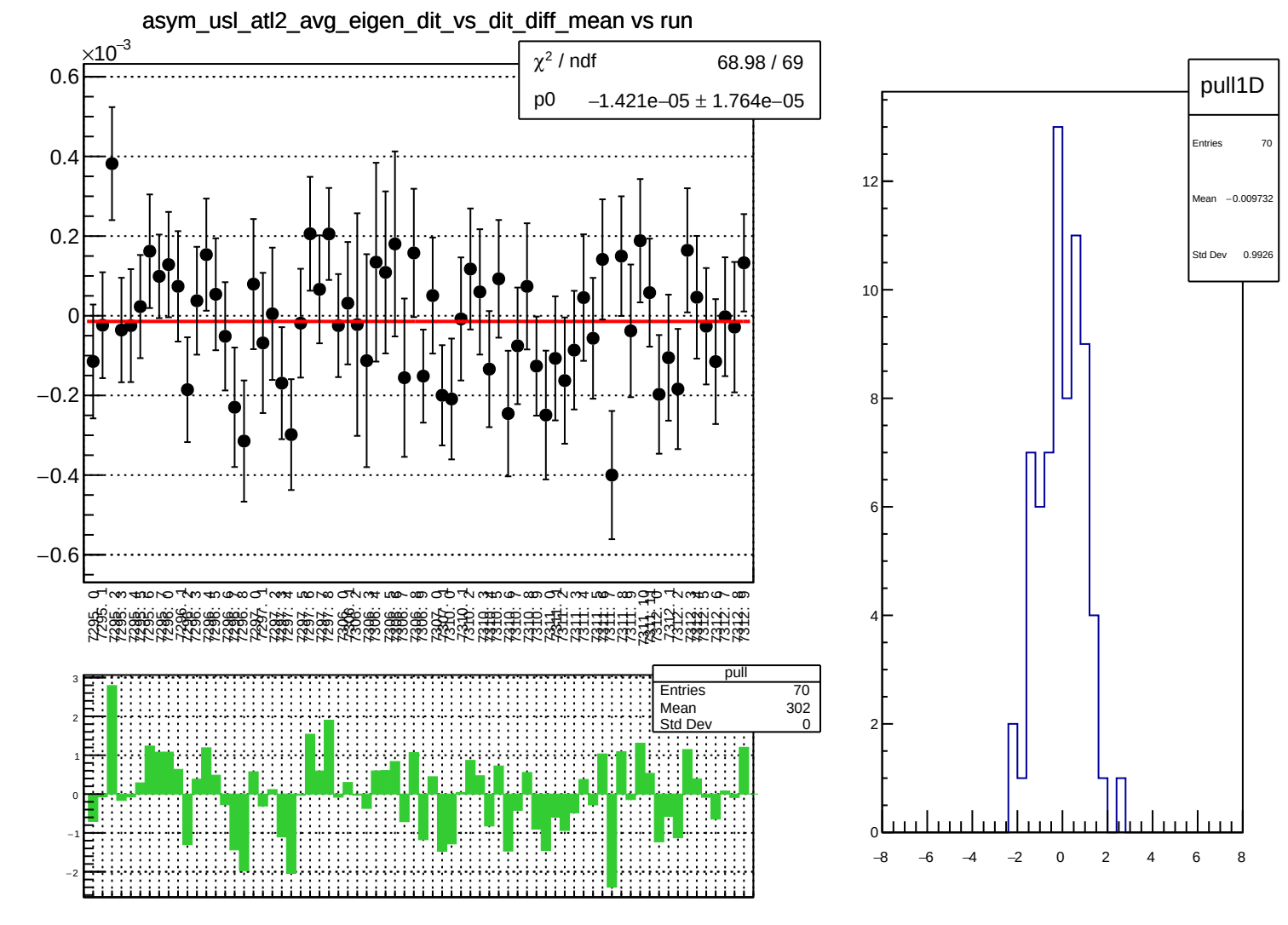

pull1D
Entries 70
Mean 0.0118
Std Dev 0.9907

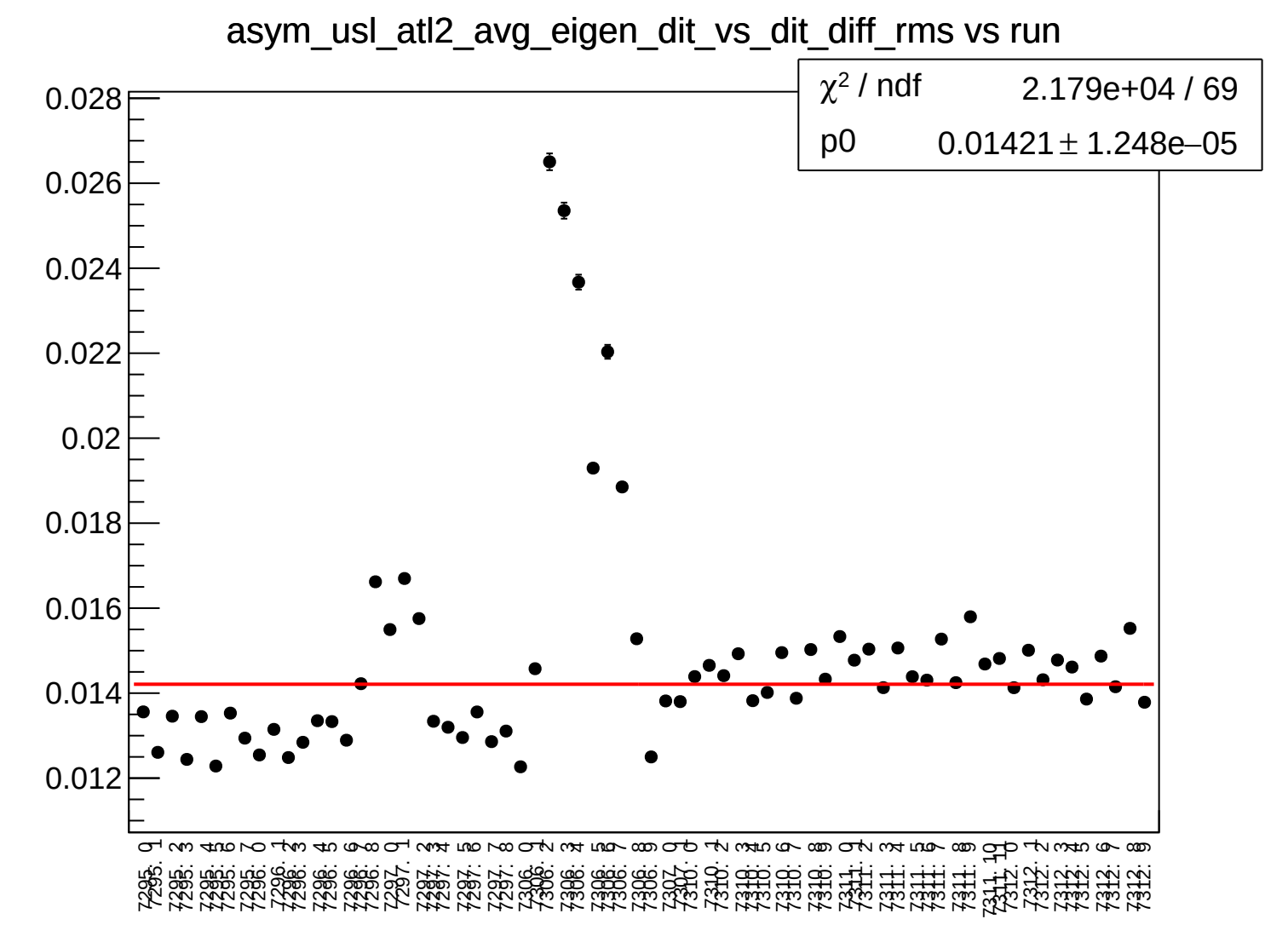

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.262e+04 / 69
p0 697.9 ± 0.6153
1100
1000
900
800
700
600
500
400

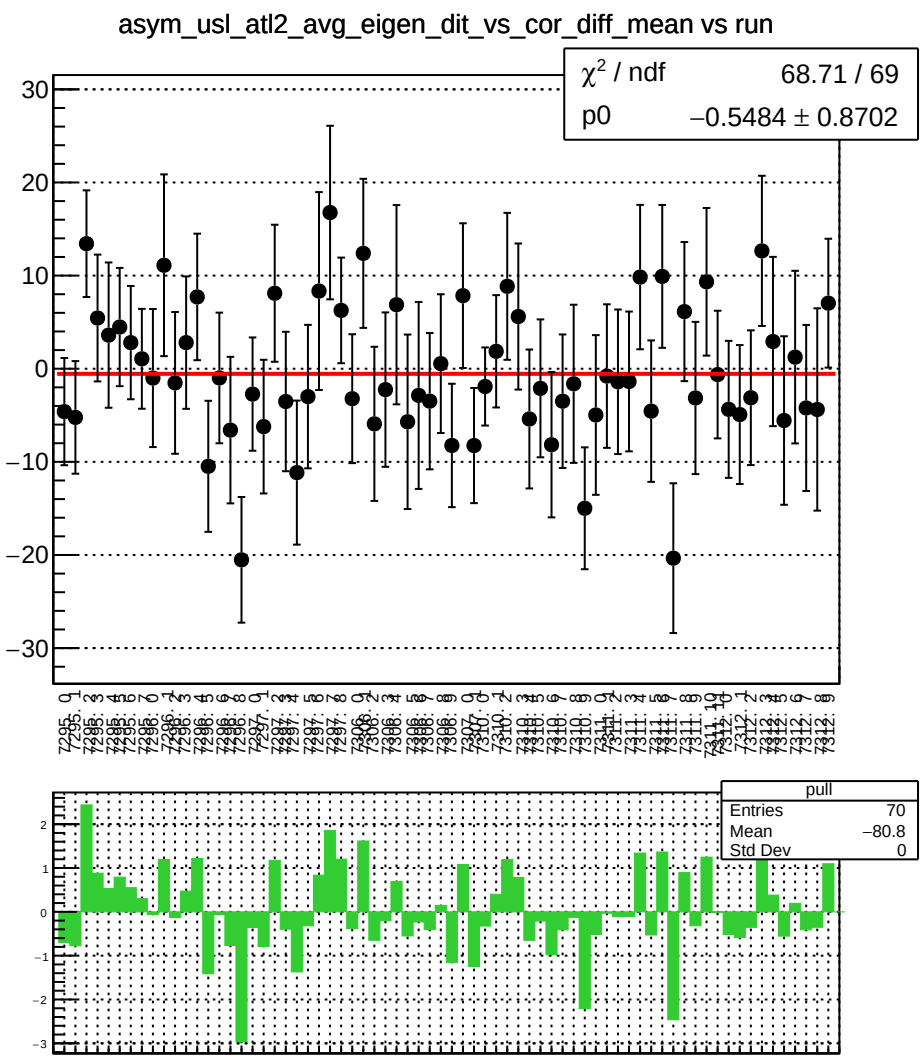

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.5484 ± 0.8702
pull
Entries 70
Mean −80.79
Std Dev 0

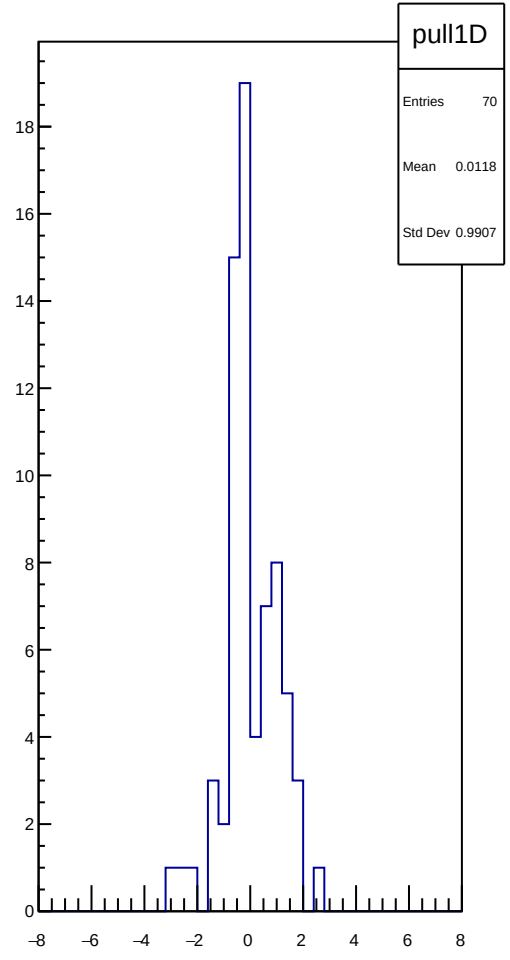

pull1D
Entries 70
Mean 0.0118
Std Dev 0.9907

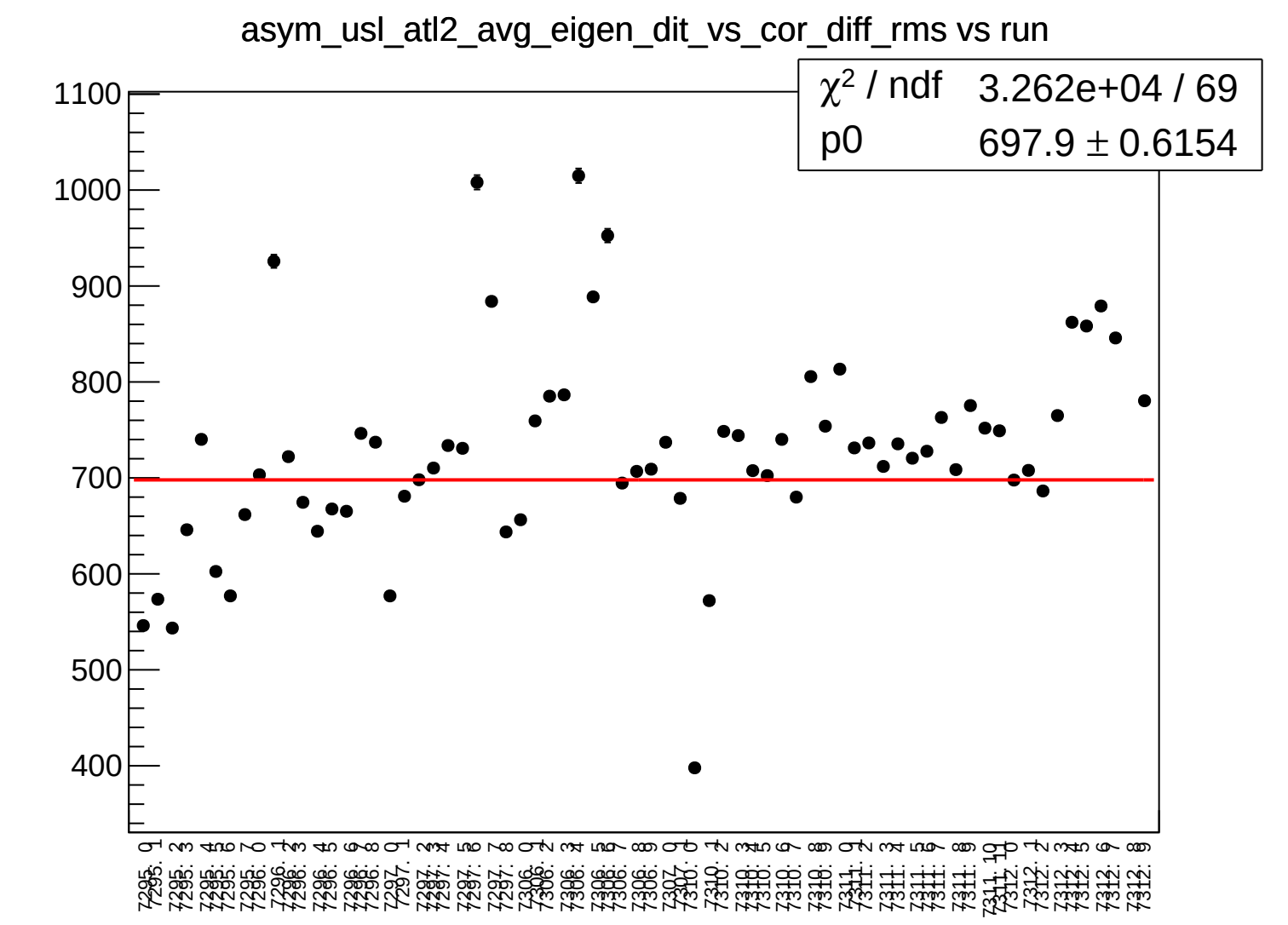

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.262e+04 / 69
p0 697.9 ± 0.6153
1100
1000
900
800
700
600
500
400

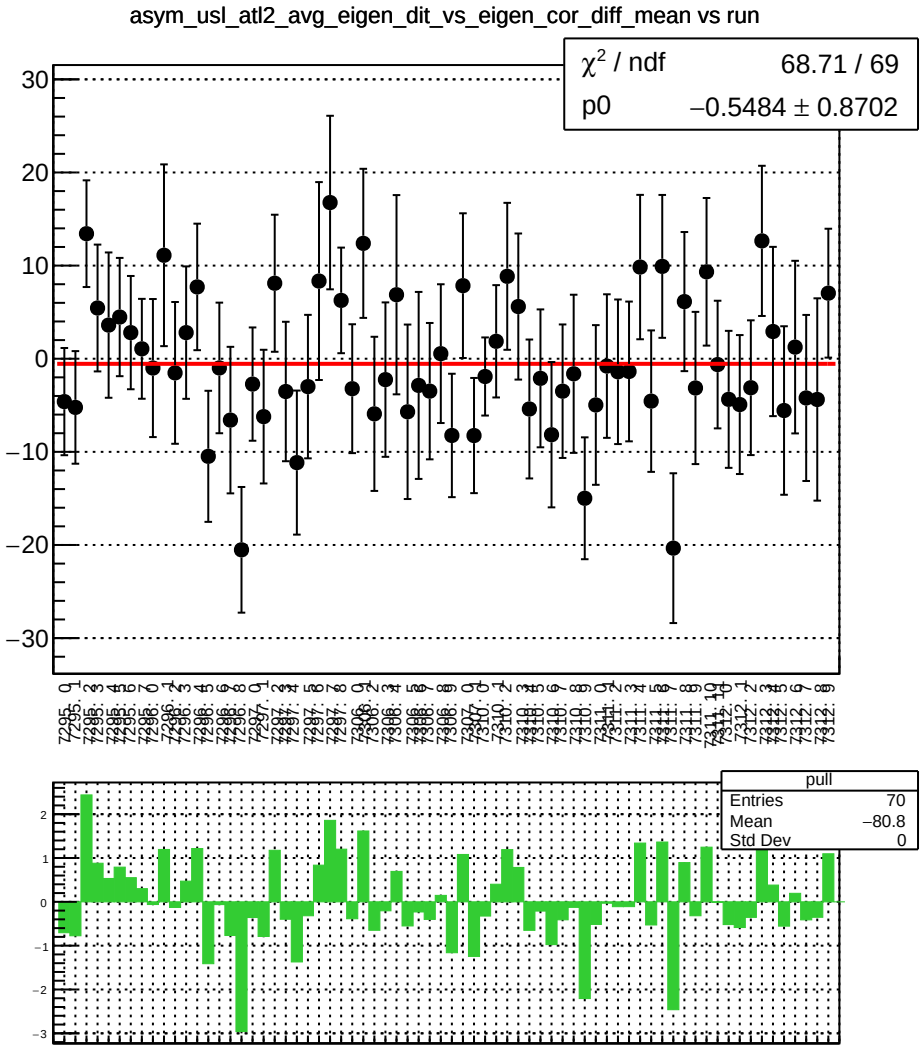

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.98 / 69
p0 −1.421e−05 ± 1.764e−05
pull
Entries 70
Mean 302
Std Dev 0
pull1D
Entries 70
Mean −0.009732
Std Dev 0.9926

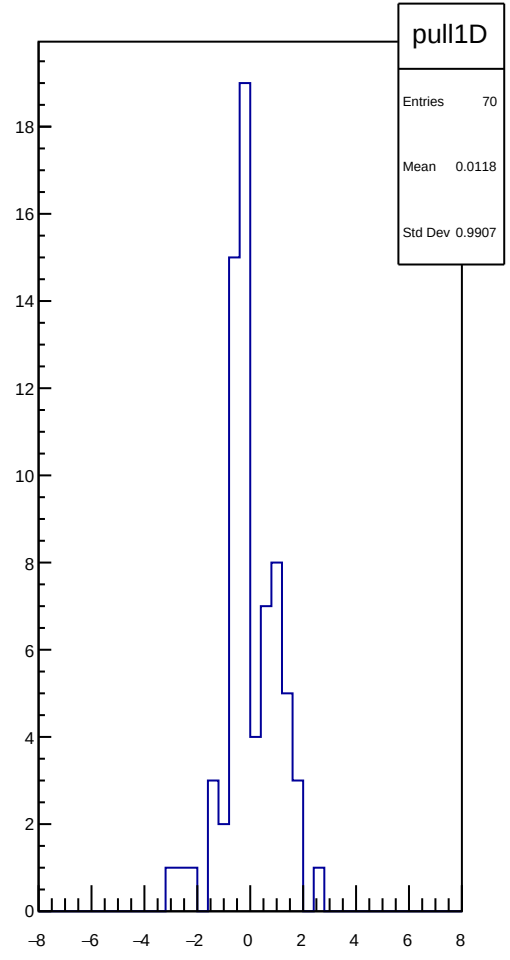

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.179e+04 / 69
p0 0.01421 ± 1.248e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

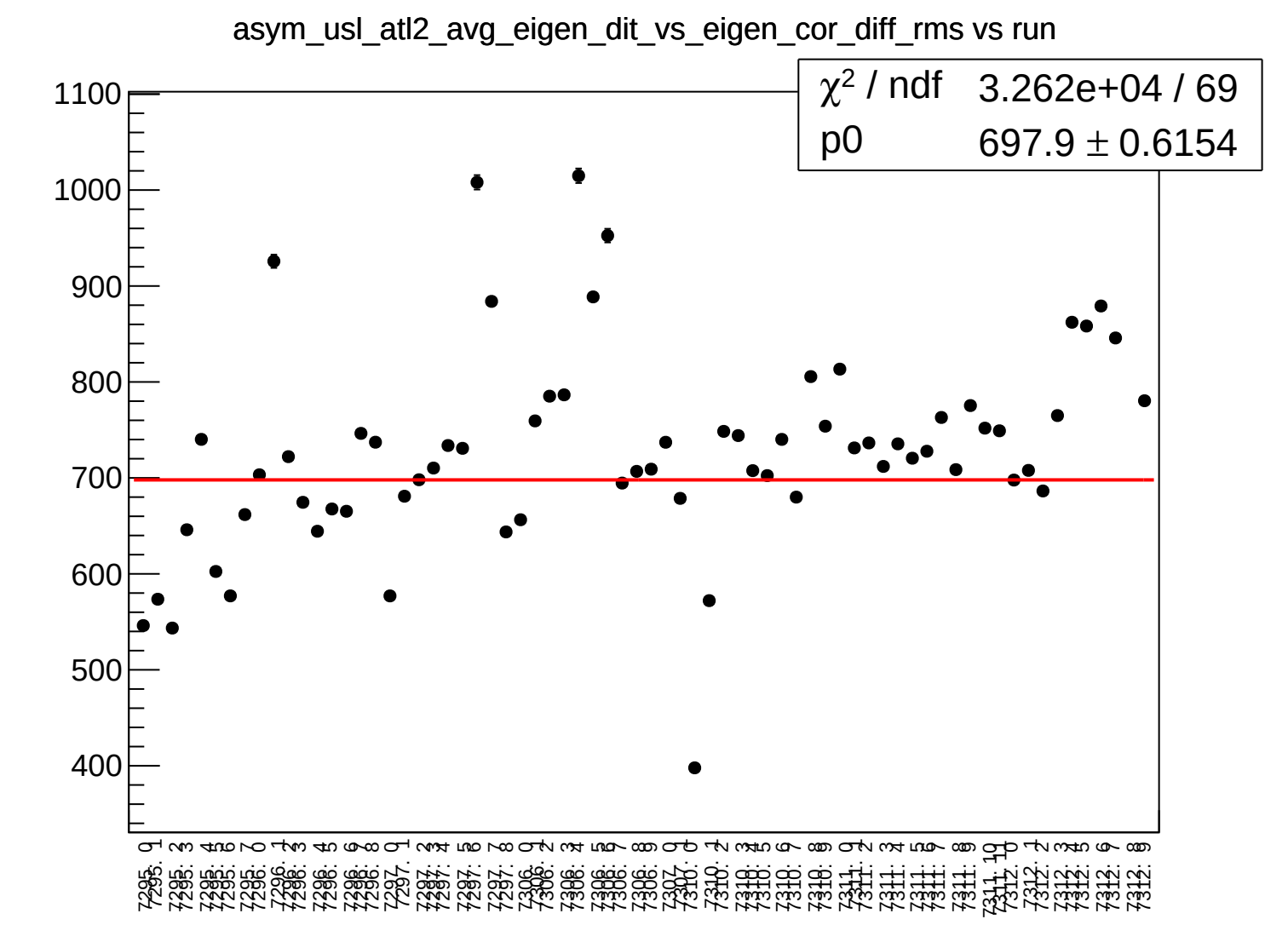

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.5484 ± 0.8702
pull
Entries 70
Mean −80.8
Std Dev 0

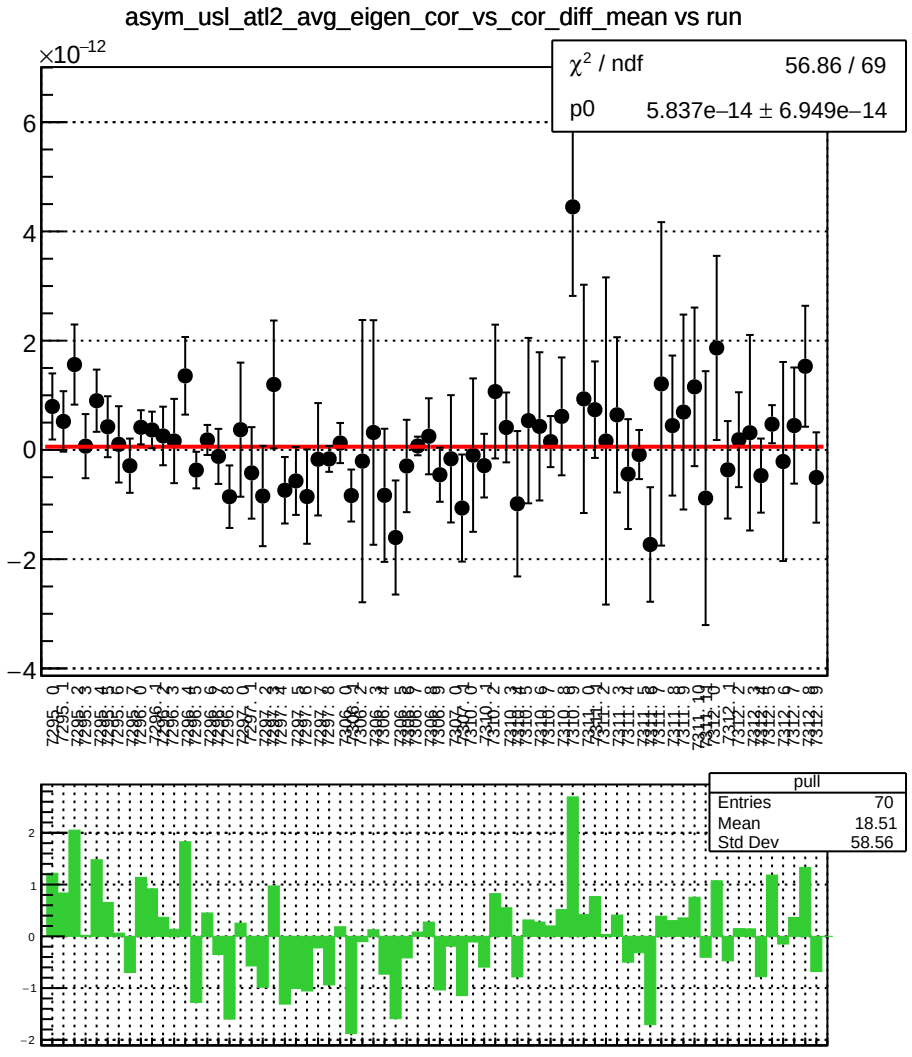

pull1D
Entries 70
Mean 0.0118
Std Dev 0.9907

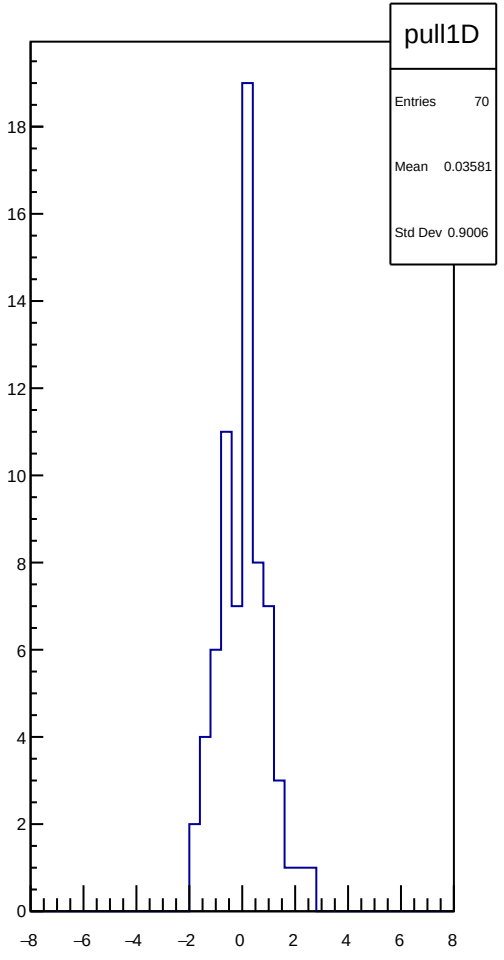

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.262e+04 / 69
p0 697.9 ± 0.6154
1100
1000
900
800
700
600
500
400

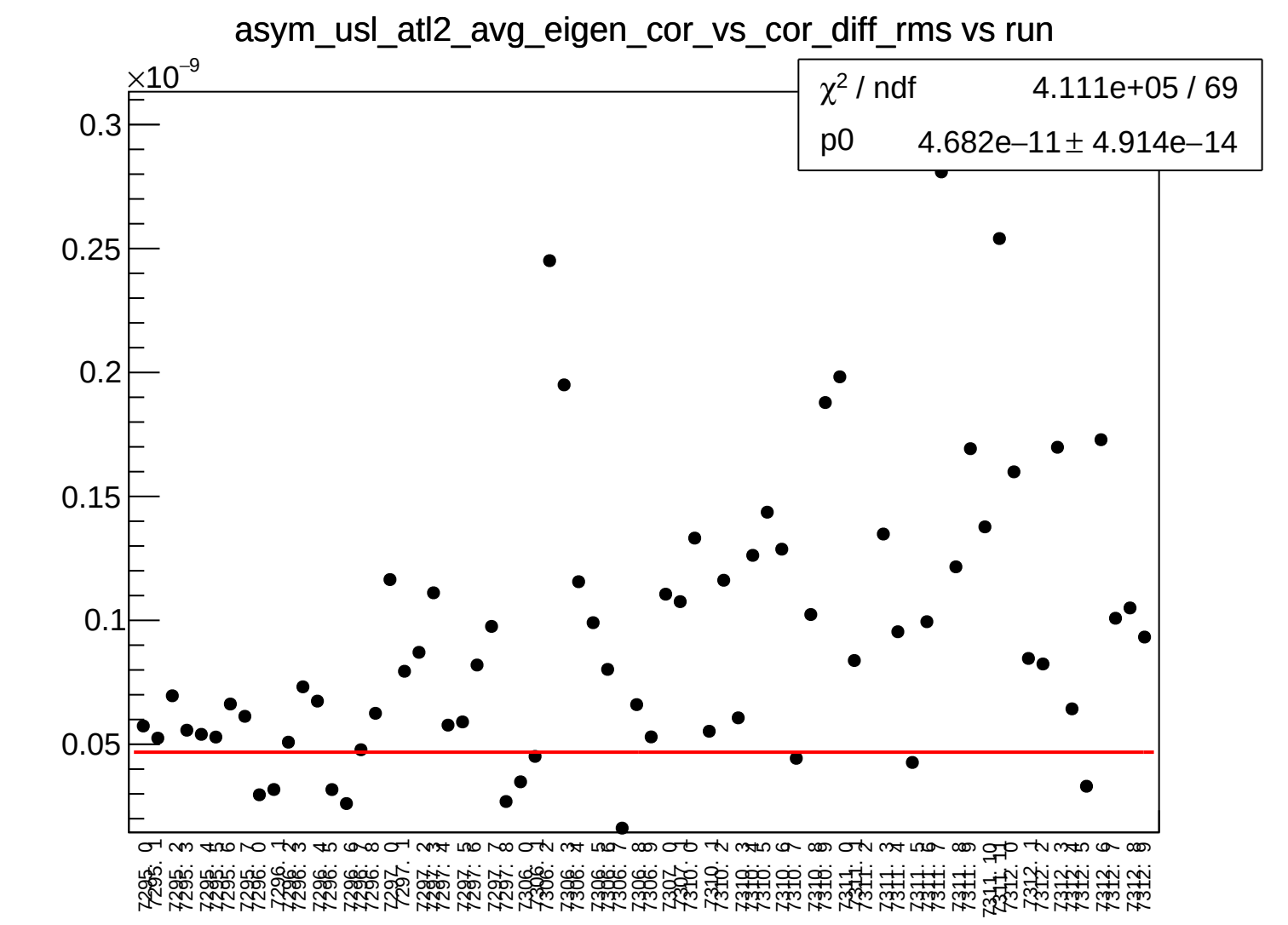

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.5484 ± 0.8702
pull
Entries 70
Mean −80.8
Std Dev 0

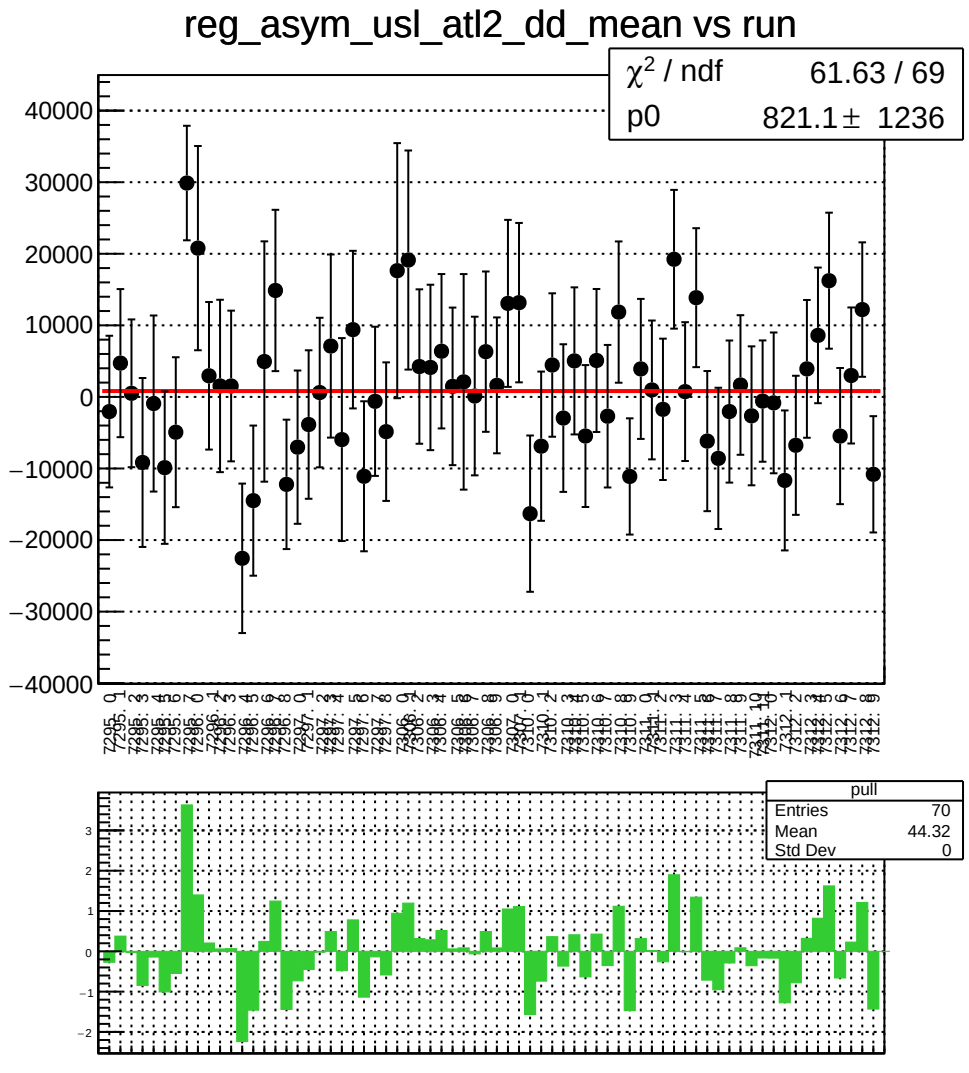

pull1D
Entries 70
Mean 0.0118
Std Dev 0.9907

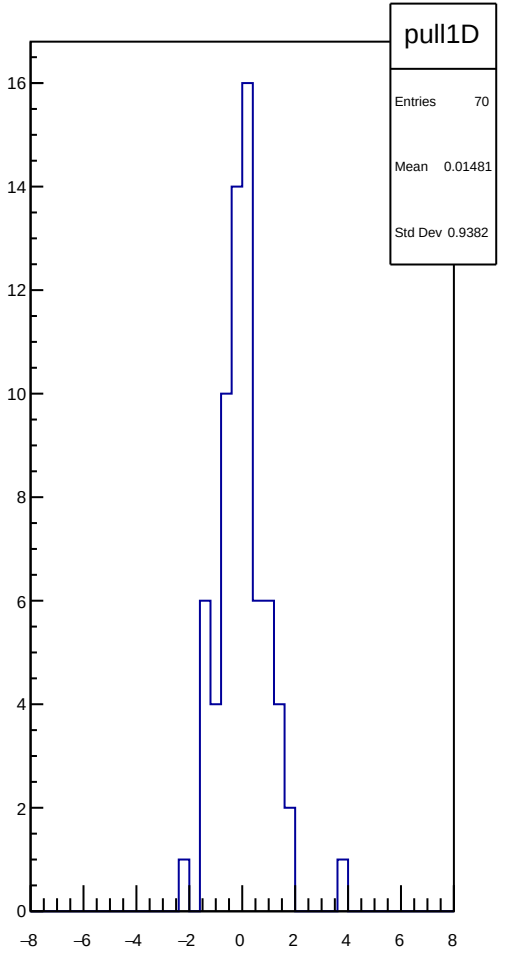

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.262e+04 / 69
p0 697.9 ± 0.6154
1100
1000
900
800
700
600
500
400

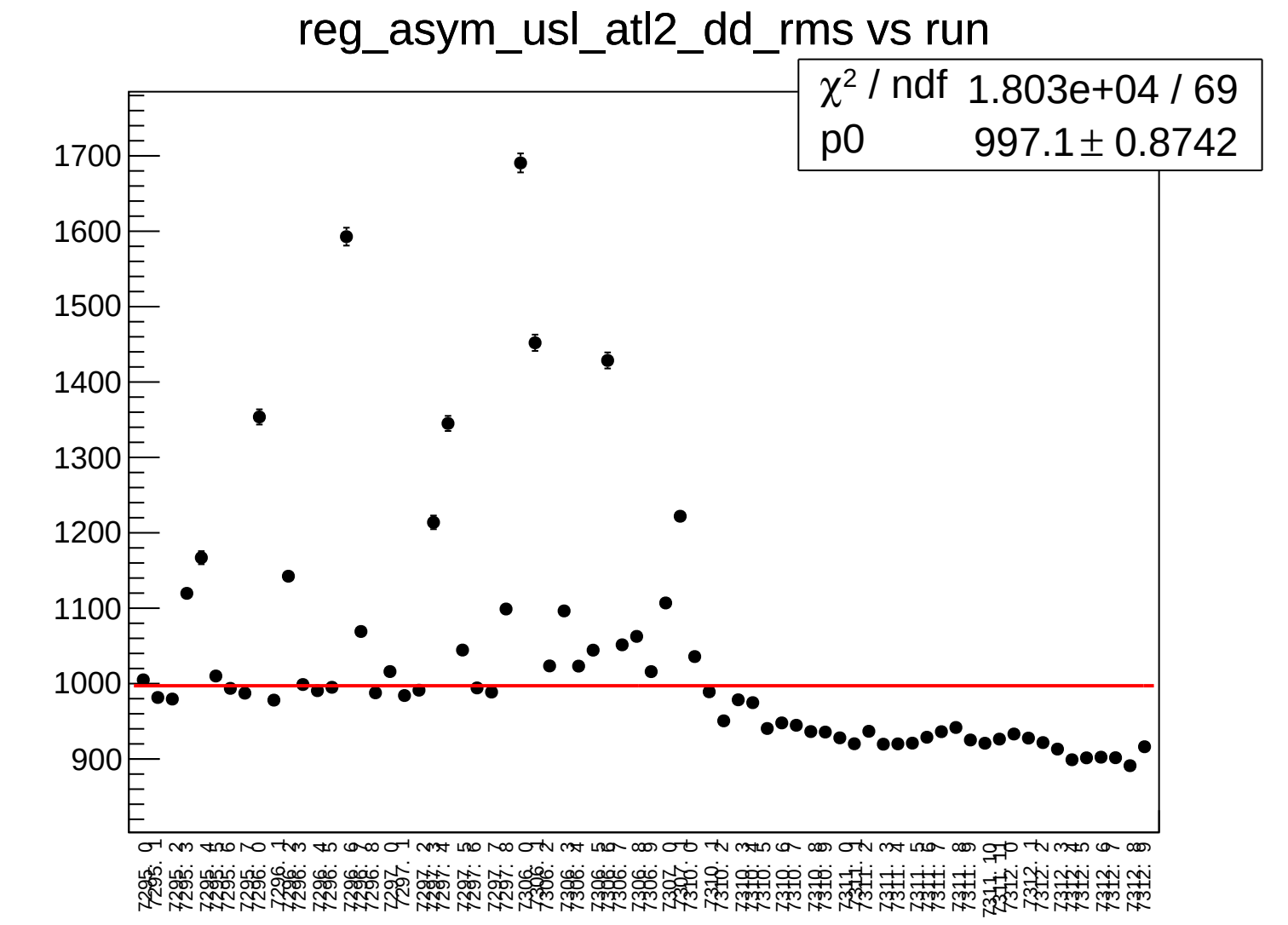

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.86 / 69
p0 5.837e−14 ± 6.949e−14
pull
Entries 70
Mean 18.51
Std Dev 58.56

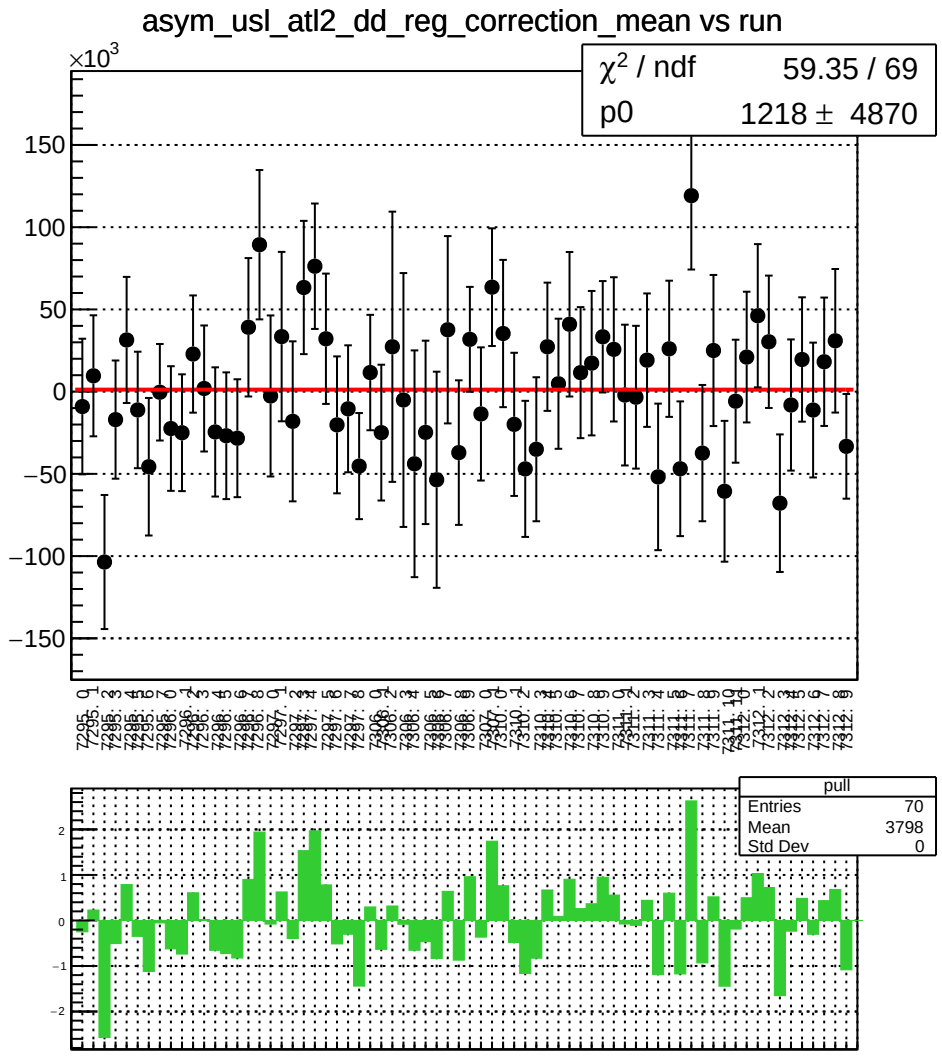

pull1D
Entries 70
Mean 0.03581
Std Dev 0.9006

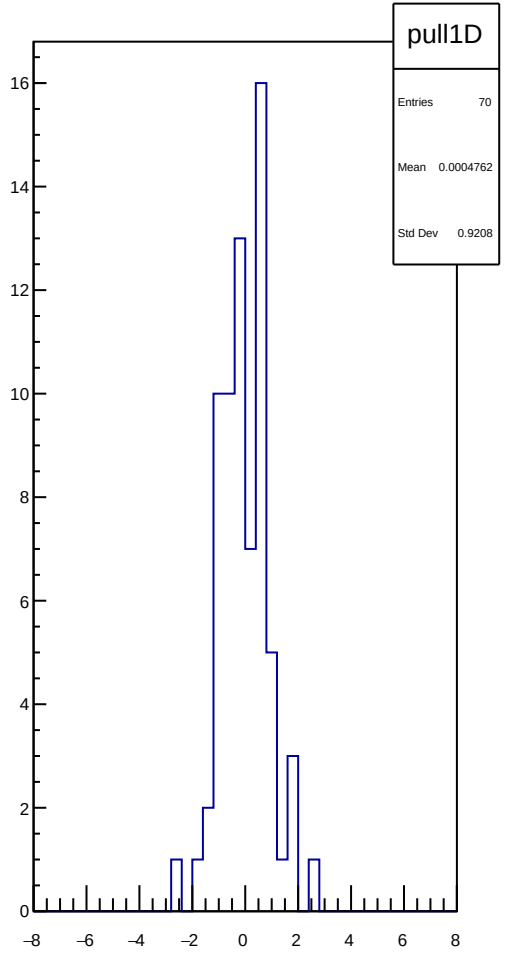

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.111e+05 / 69
p0 4.682e−11 ± 4.914e−14
0.3
0.25
0.2
0.15
0.1
0.05

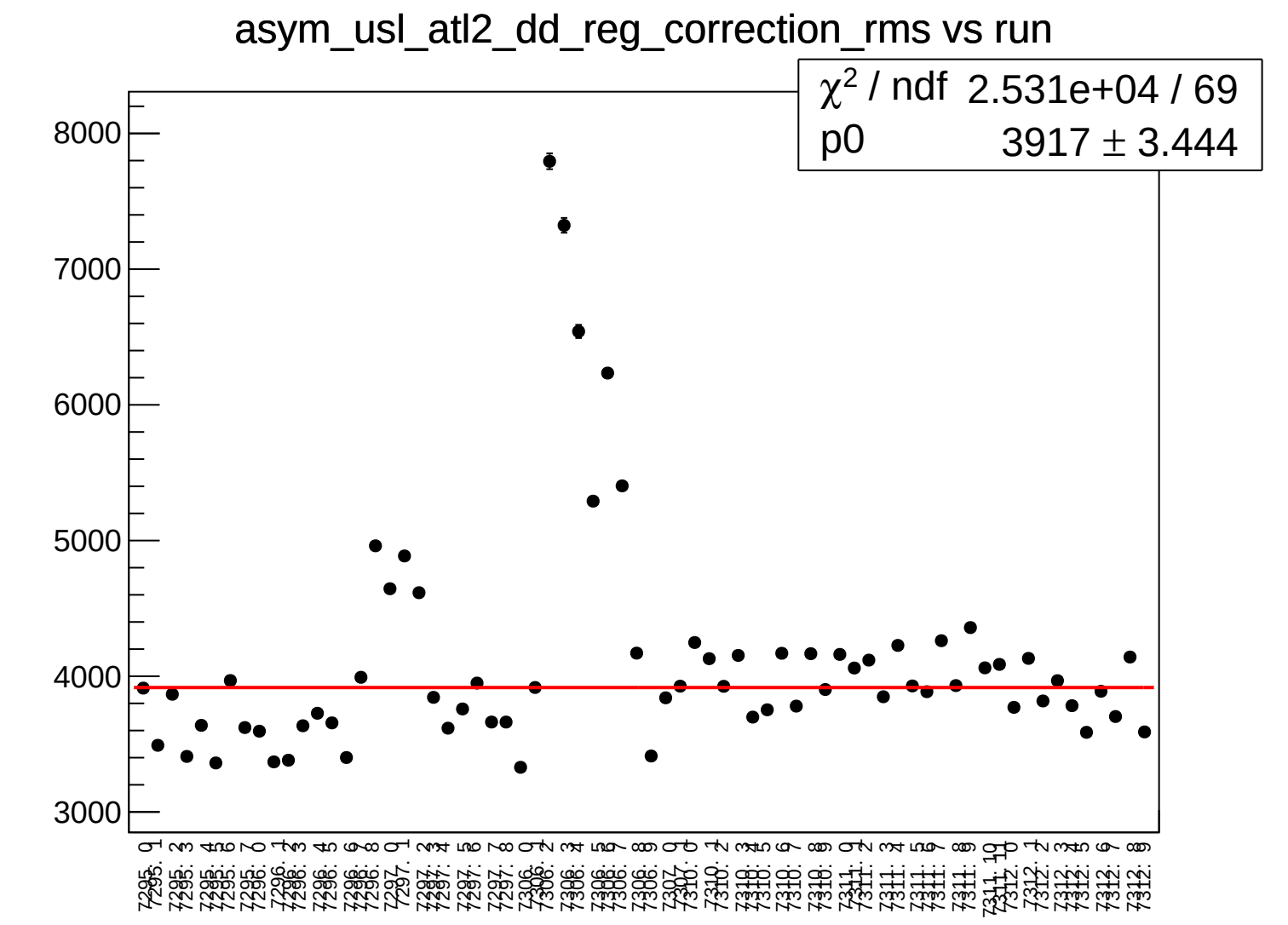

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.63 / 69
p0 821.1 ± 1236
pull
Entries 70
Mean 44.32
Std Dev 0

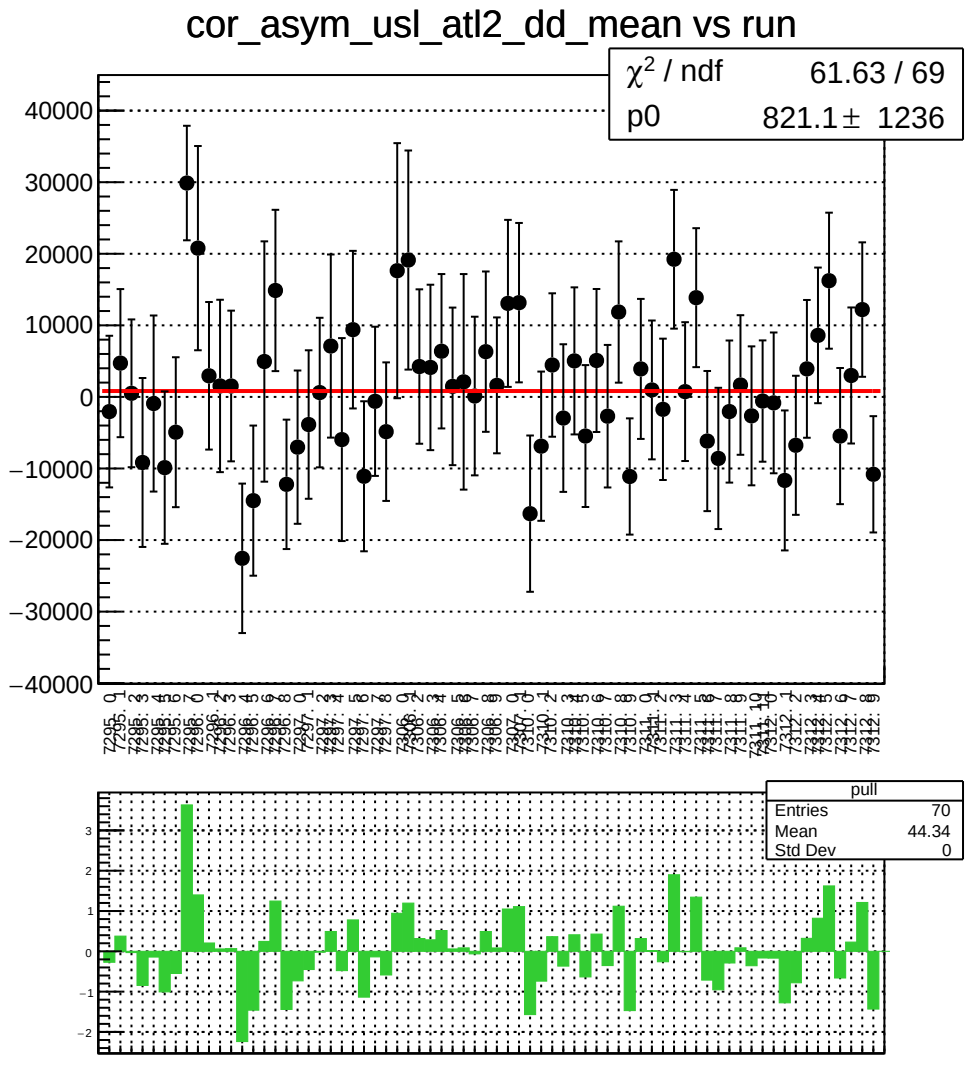

pull1D
Entries 70
Mean 0.01481
Std Dev 0.9382

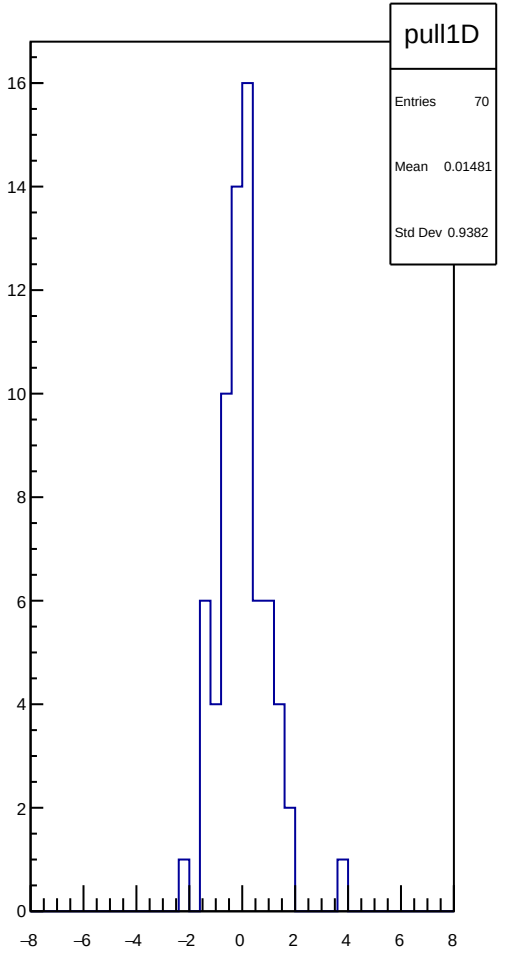

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.803e+04 / 69
p0 997.1 ± 0.8742
1700
1600
1500
1400
1300
1200
1100
1000
900

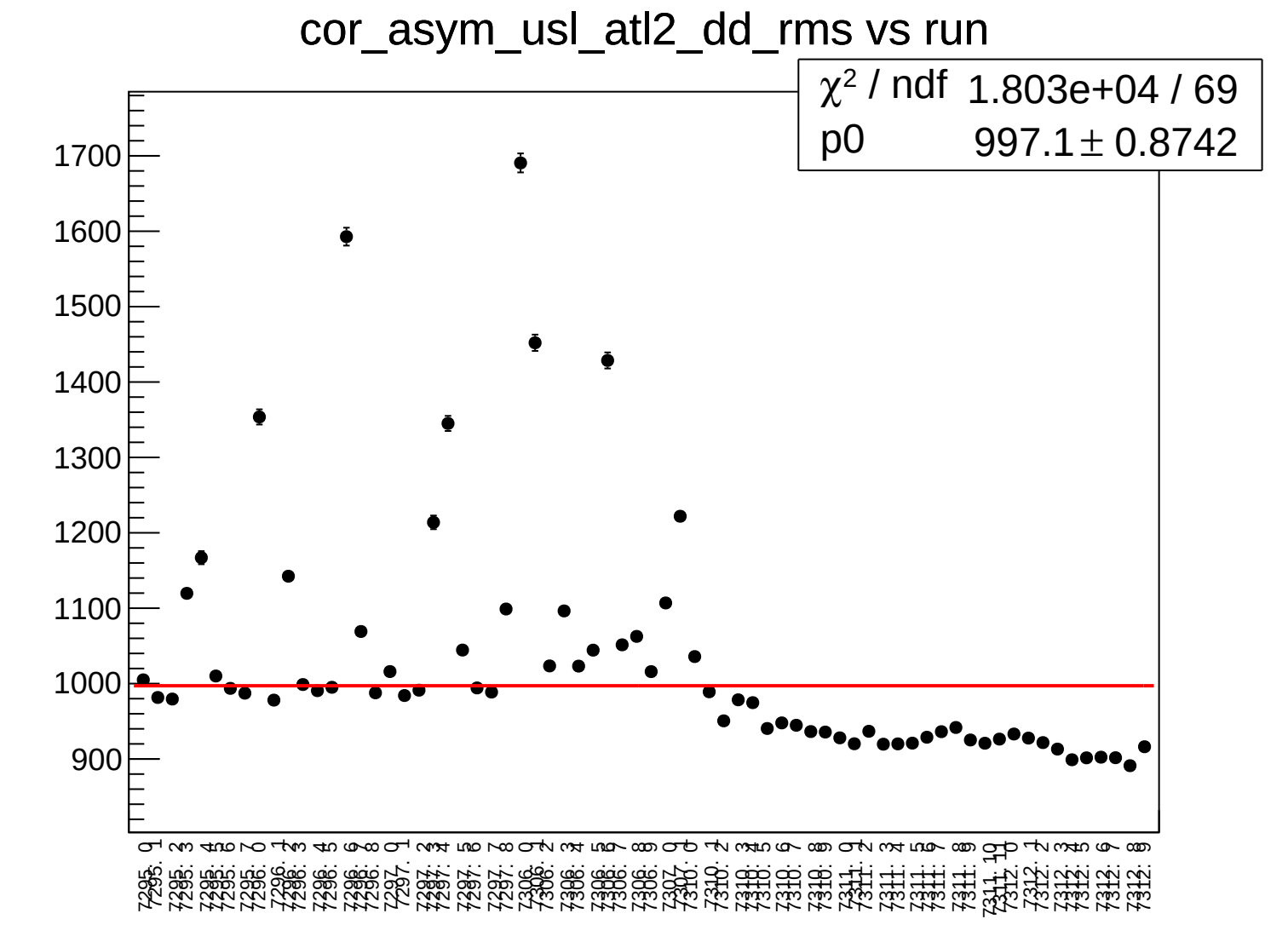

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 59.35 / 69
p0 1218 ± 4870
pull
Entries 70
Mean 3798
Std Dev 0

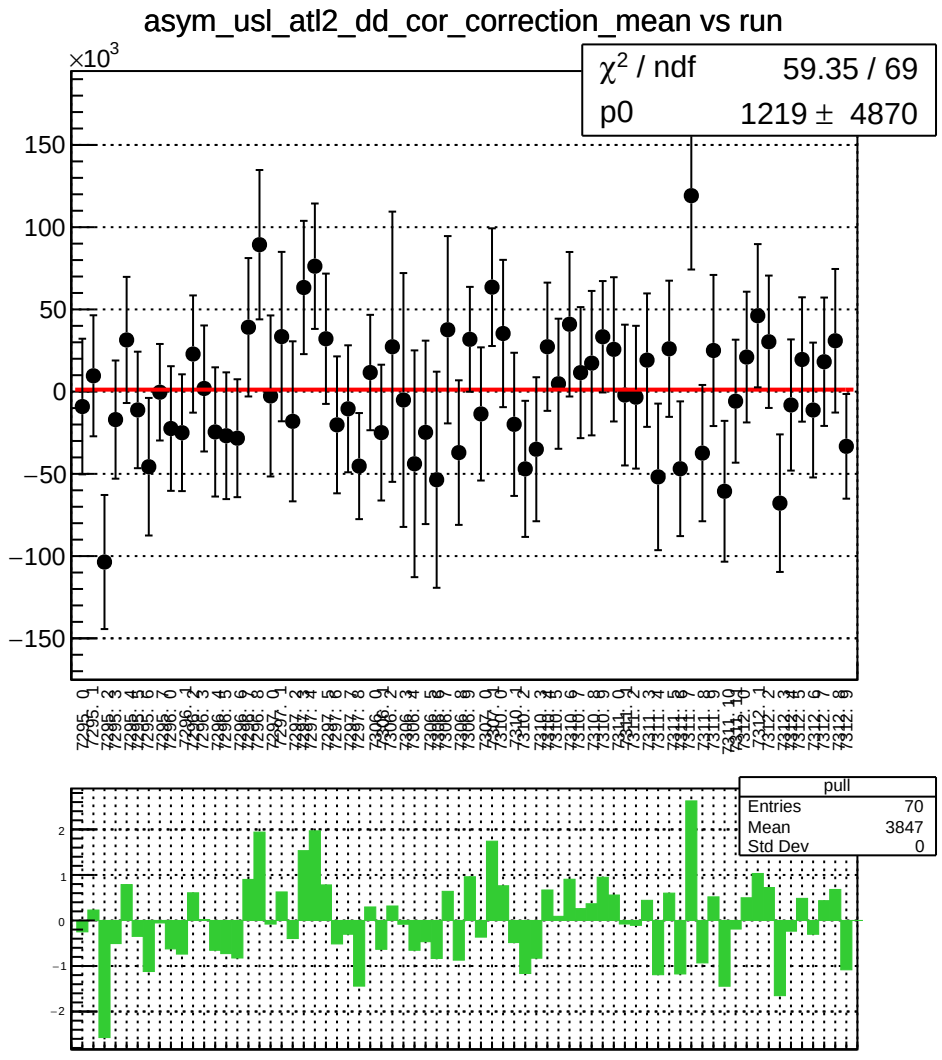

pull1D
Entries 70
Mean 0.0004762
Std Dev 0.9208

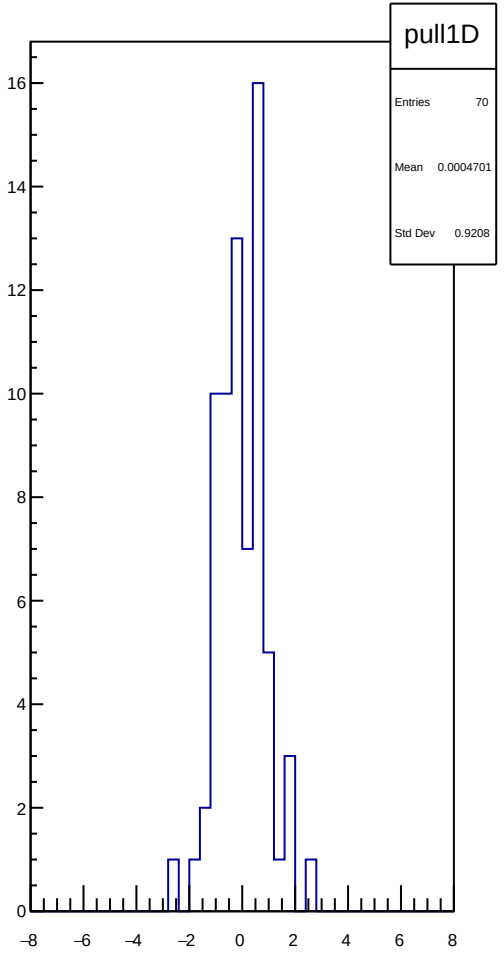

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2.531e+04 / 69
p0 3917 ± 3.444
8000
7000
6000
5000
4000
3000

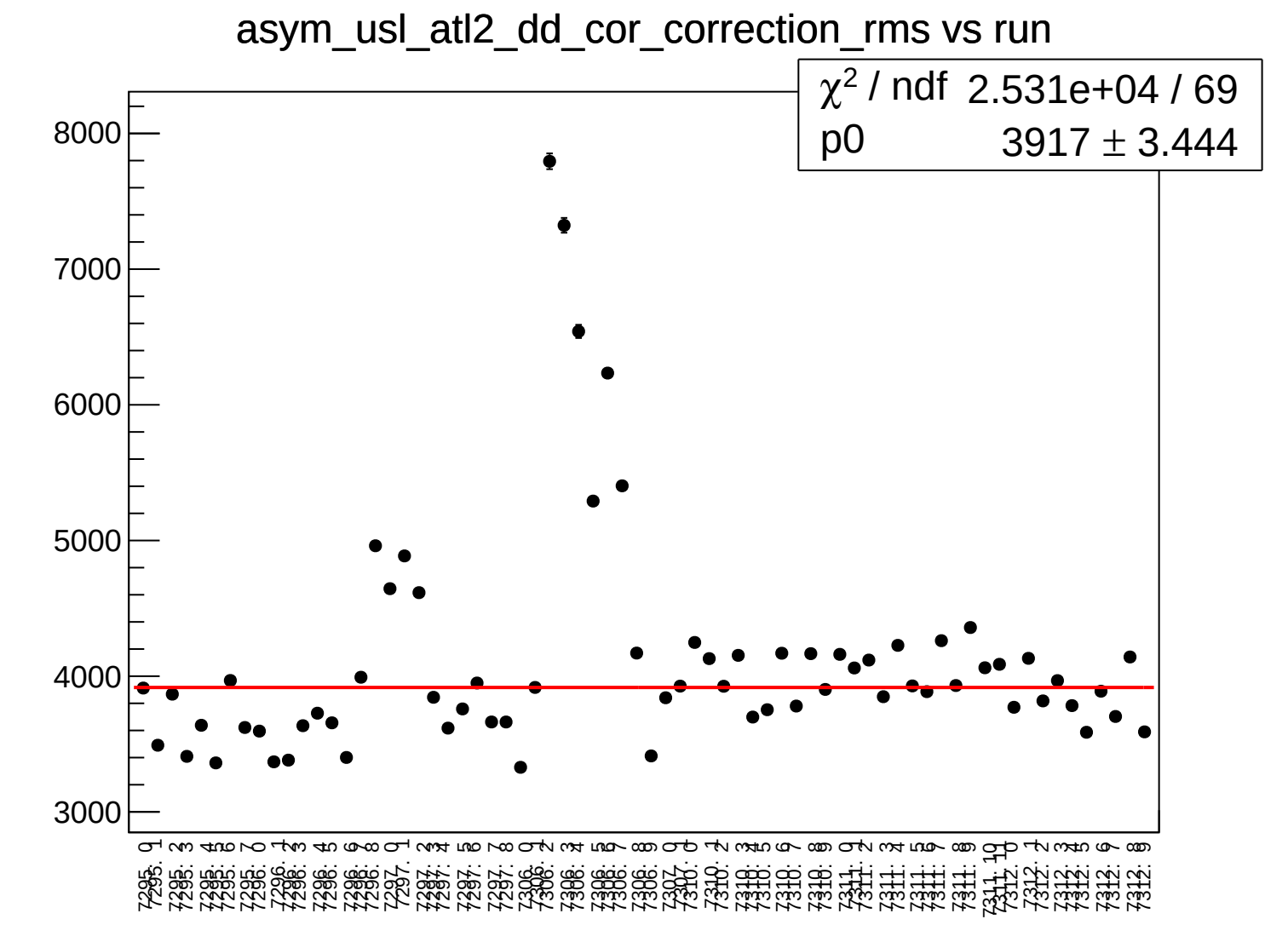

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.63 / 69
p0 821.1 ± 1236
pull
Entries 70
Mean 44.34
Std Dev 0

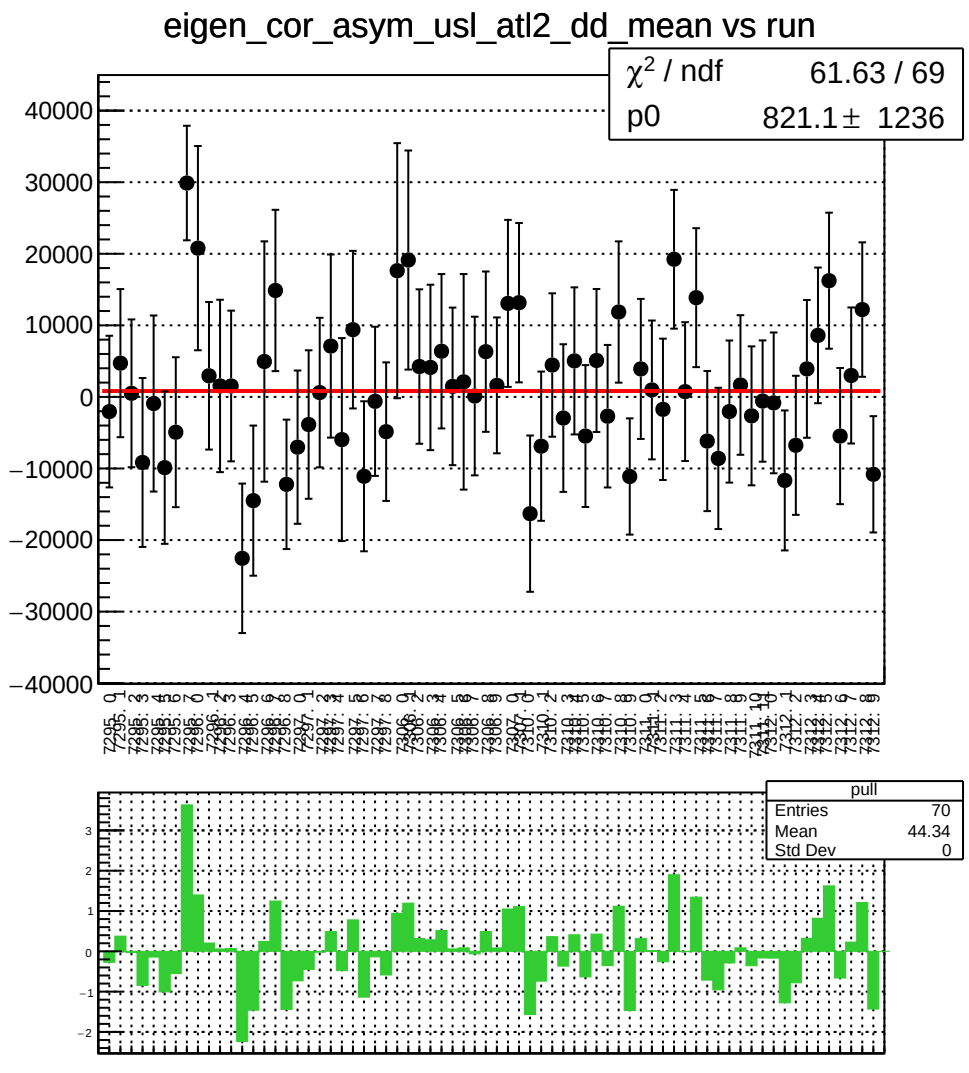

pull1D
Entries 70
Mean 0.01481
Std Dev 0.9382

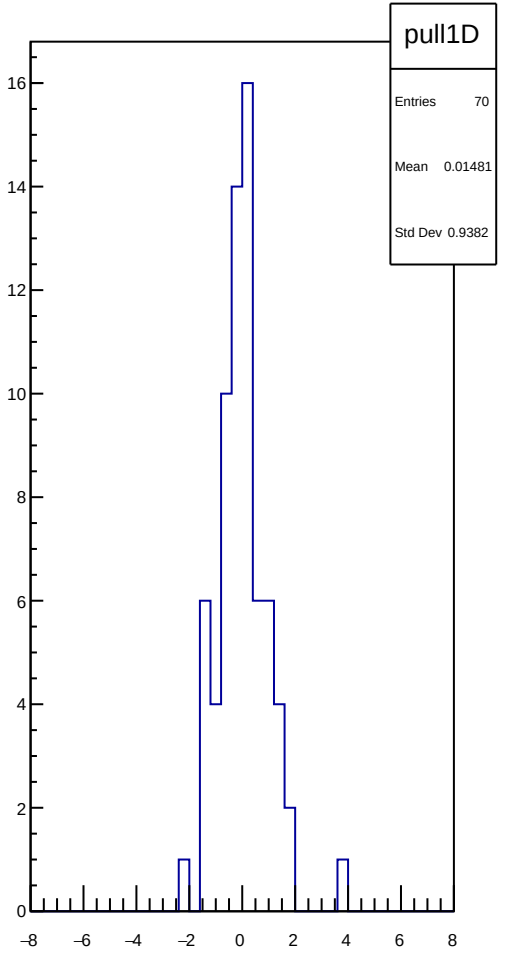

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.803e+04 / 69
p0 997.1 ± 0.8742
1700
1600
1500
1400
1300
1200
1100
1000
900

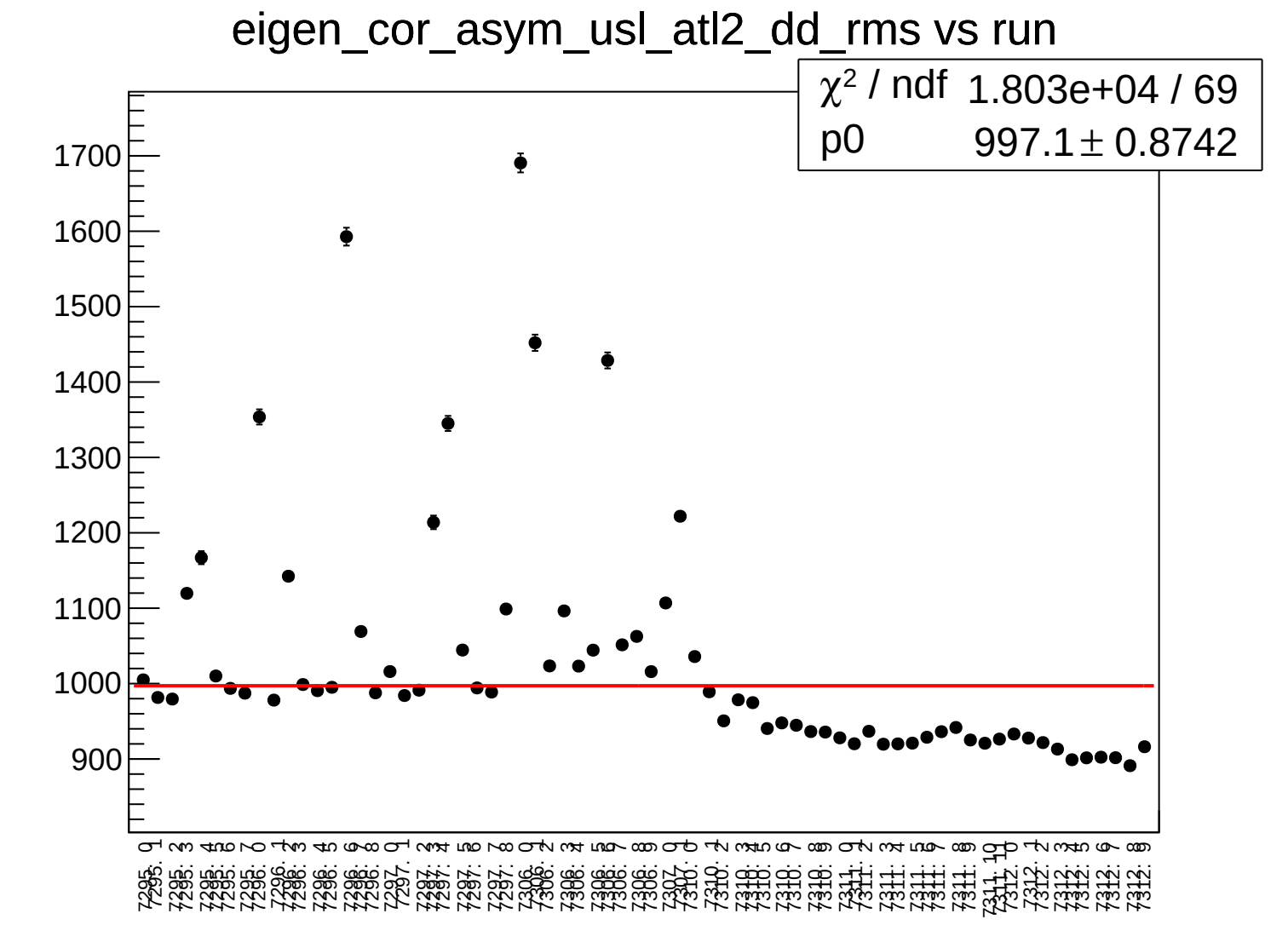

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 59.35 / 69
p0 1219 ± 4870
×10³
pull
Entries 70
Mean 3847
Std Dev 0

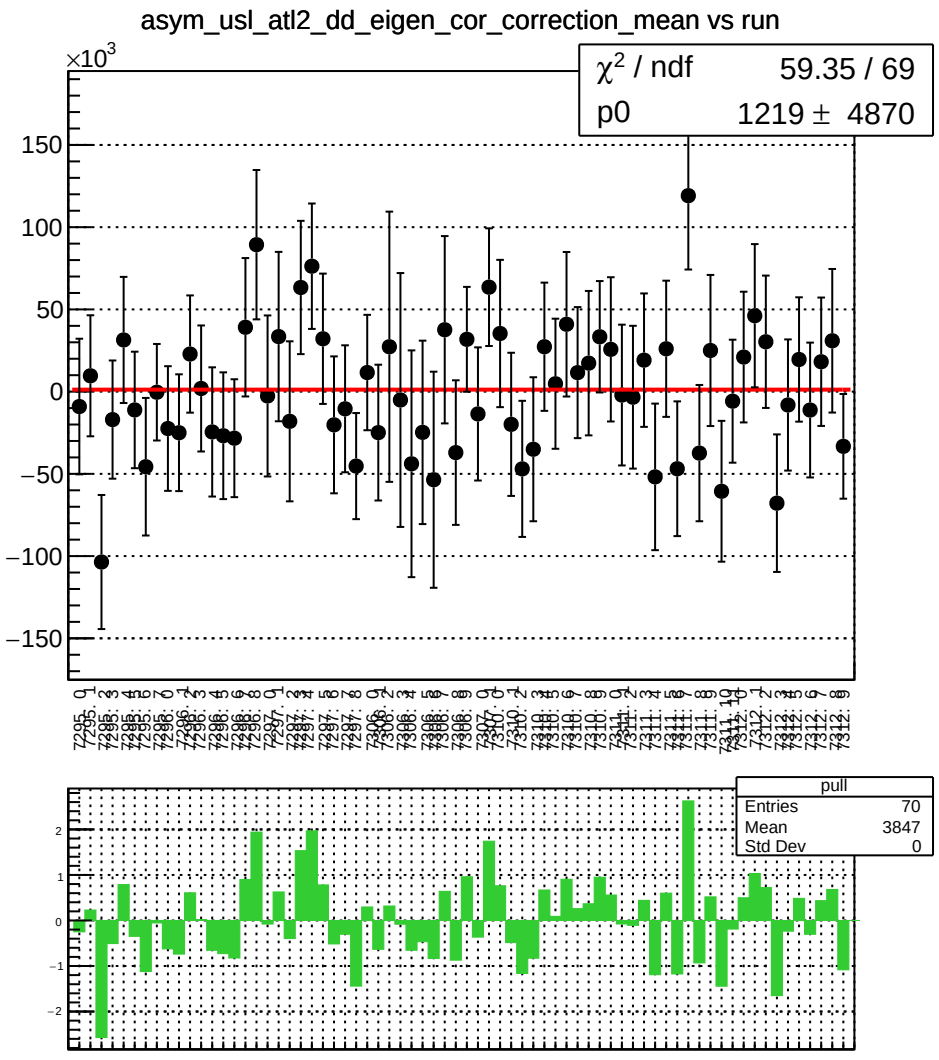

pull1D
Entries 70
Mean 0.0004701
Std Dev 0.9208

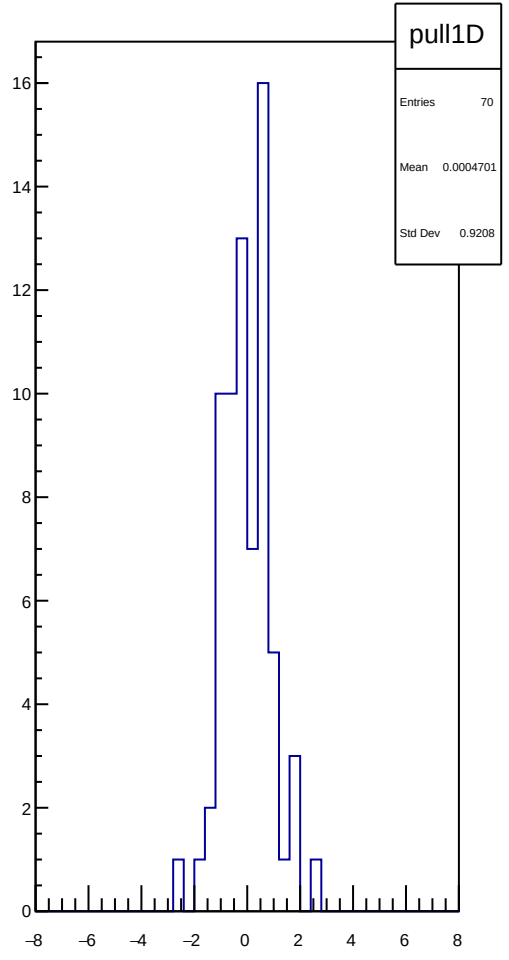

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2.531e+04 / 69
p0 3917 ± 3.444
8000
7000
6000
5000
4000
3000

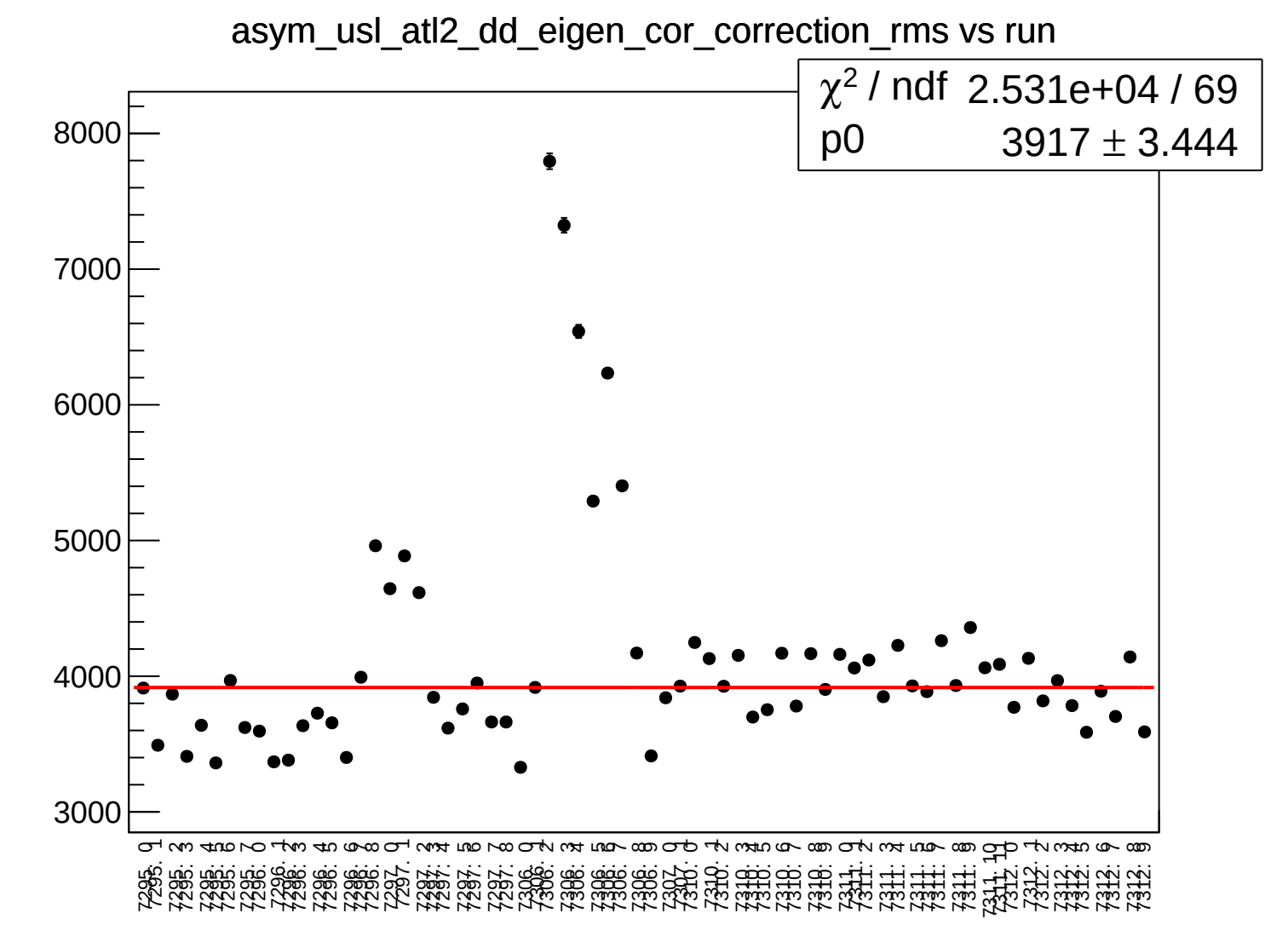

eigen_cor_asym_usl_atl2_dd_mean vs run
χ^2 / ndf 61.63 / 69
p0 821.1 ± 1236
pull
Entries 70
Mean 44.34
Std Dev 0

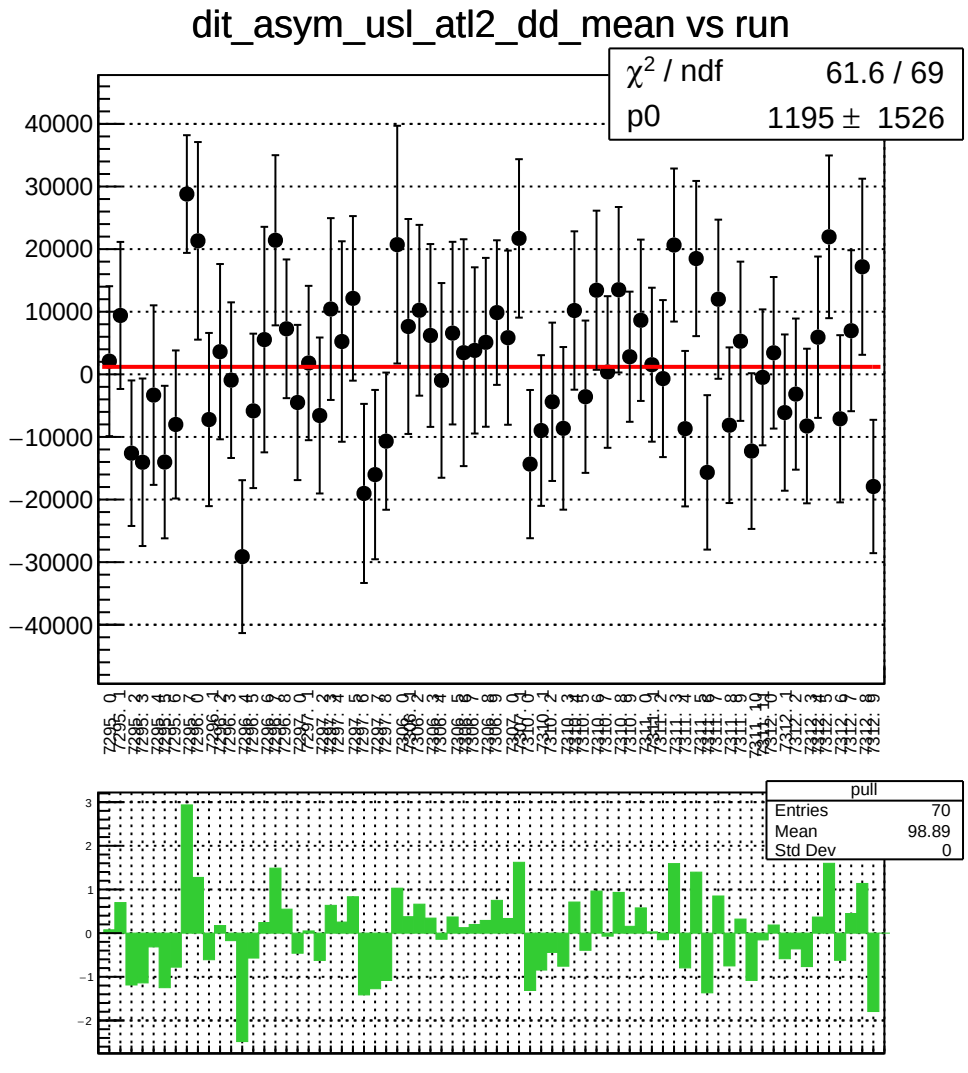

pull1D
Entries 70
Mean 0.01481
Std Dev 0.9382

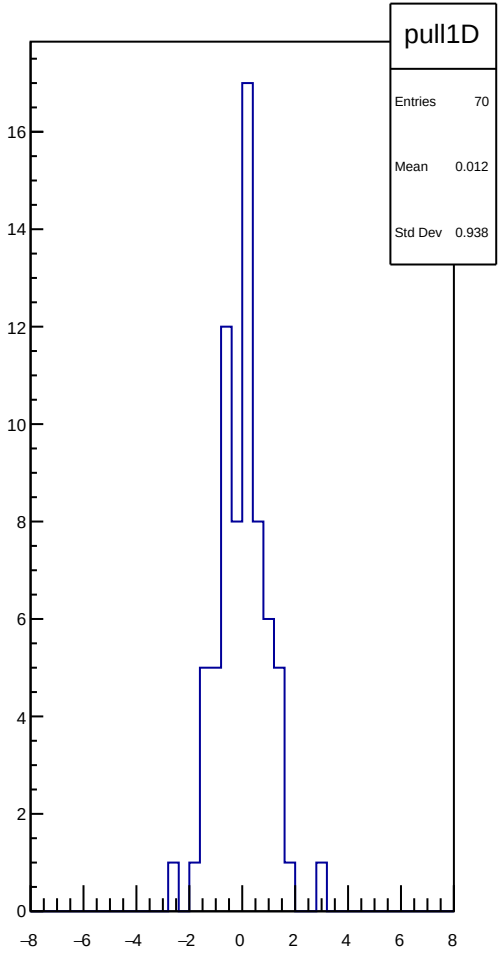

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.803e+04 / 69
p0 997.1 ± 0.8742
1700
1600
1500
1400
1300
1200
1100
1000
900

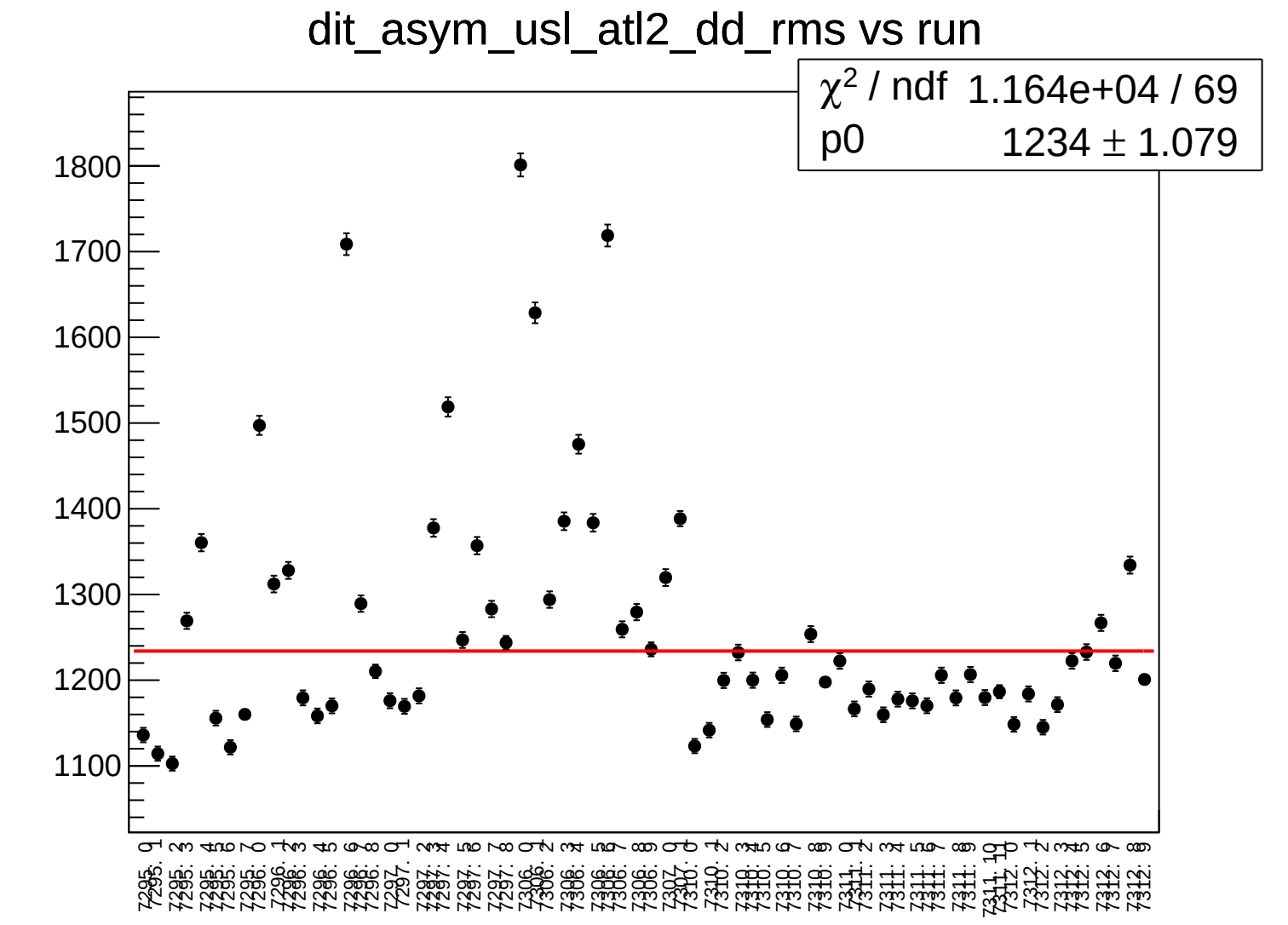

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 59.35 / 69
p0 1219 ± 4870
pull
Entries 70
Mean 3847
Std Dev 0

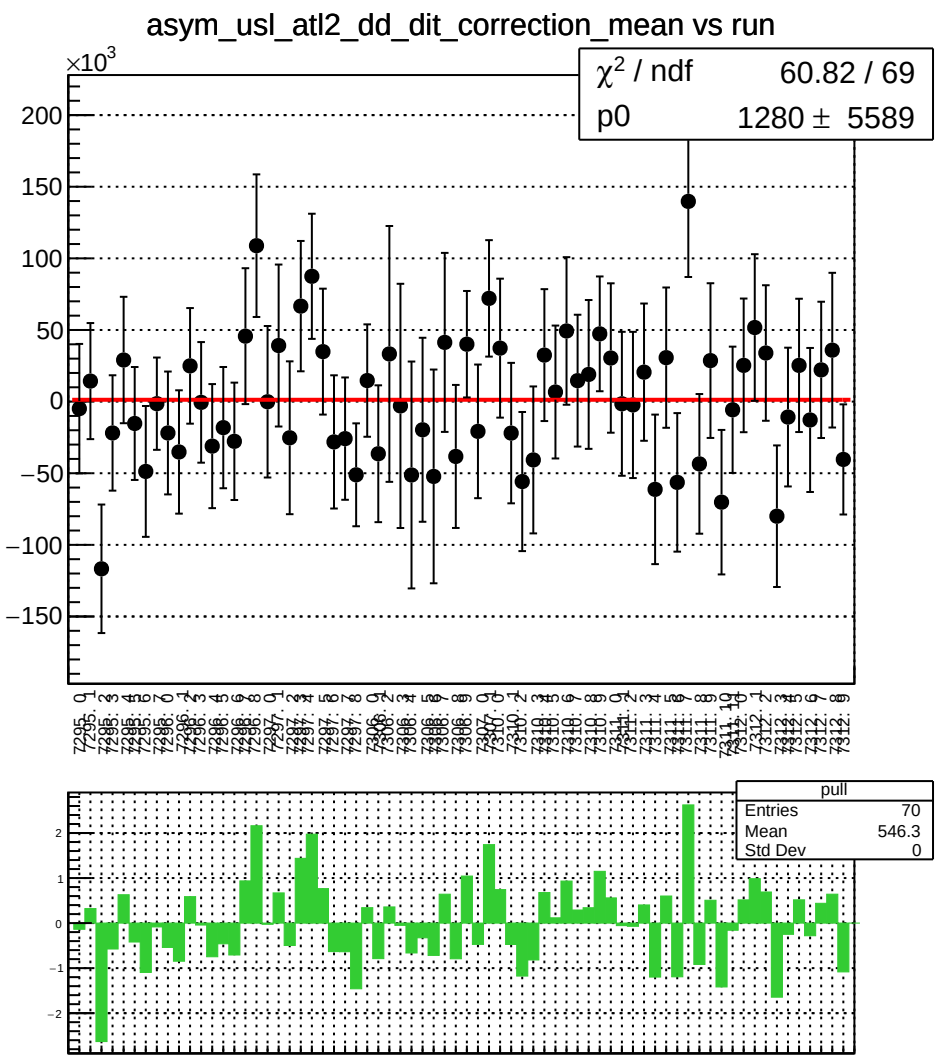

pull1D
Entries 70
Mean 0.0004701
Std Dev 0.9208

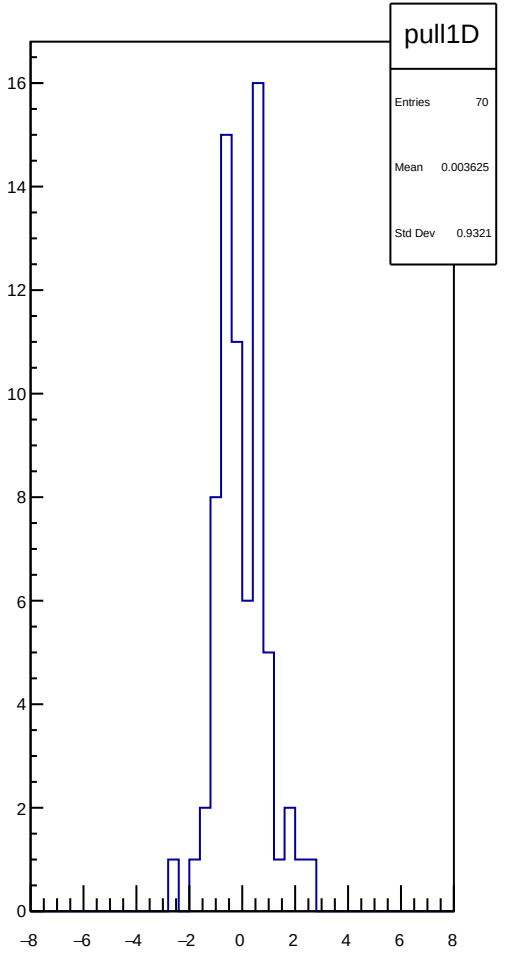

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.531e+04 / 69
p0 3917 ± 3.444
8000
7000
6000
5000
4000
3000

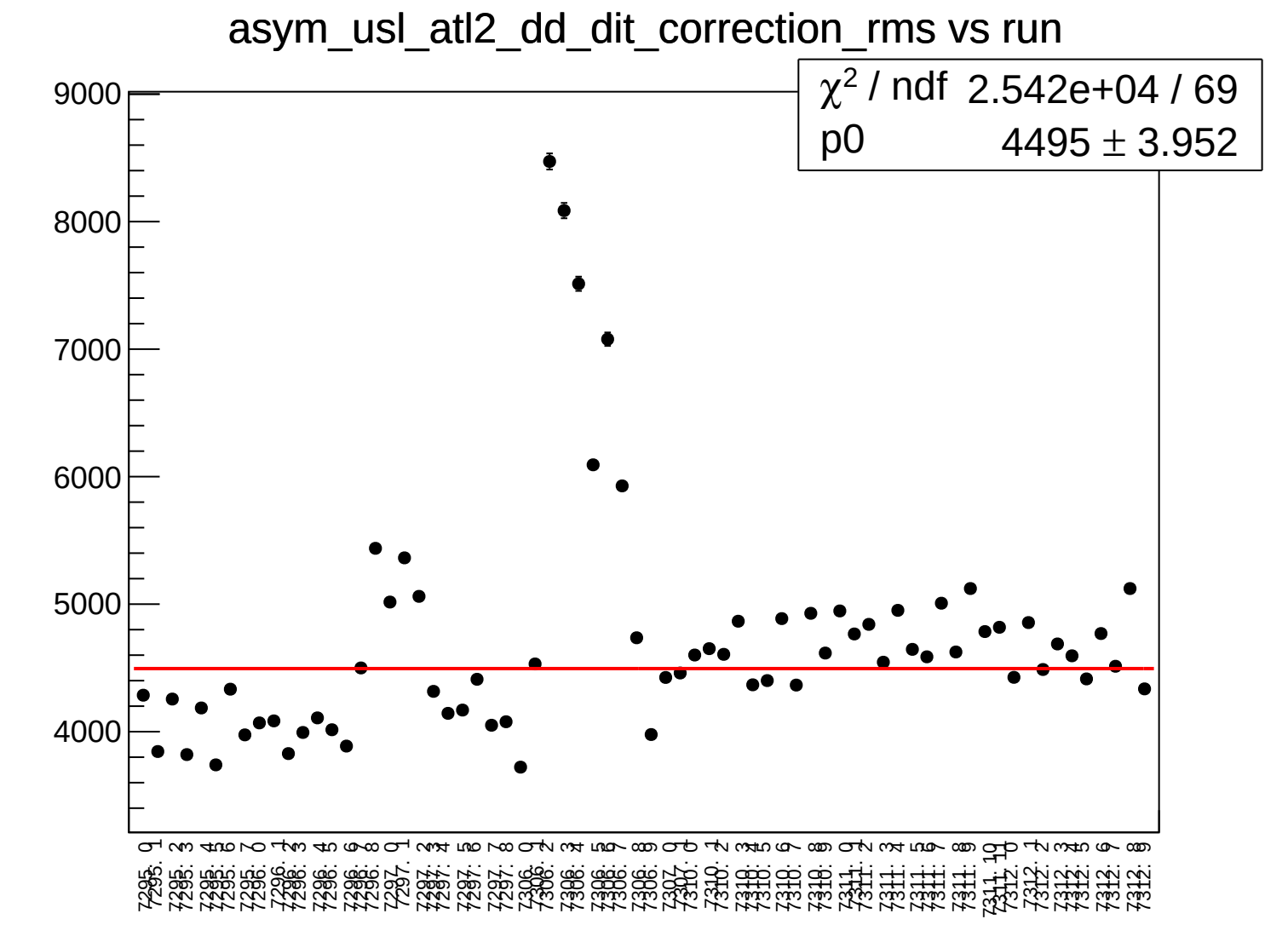

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.6 / 69
p0 1195 ± 1526
pull
Entries 70
Mean 98.89
Std Dev 0

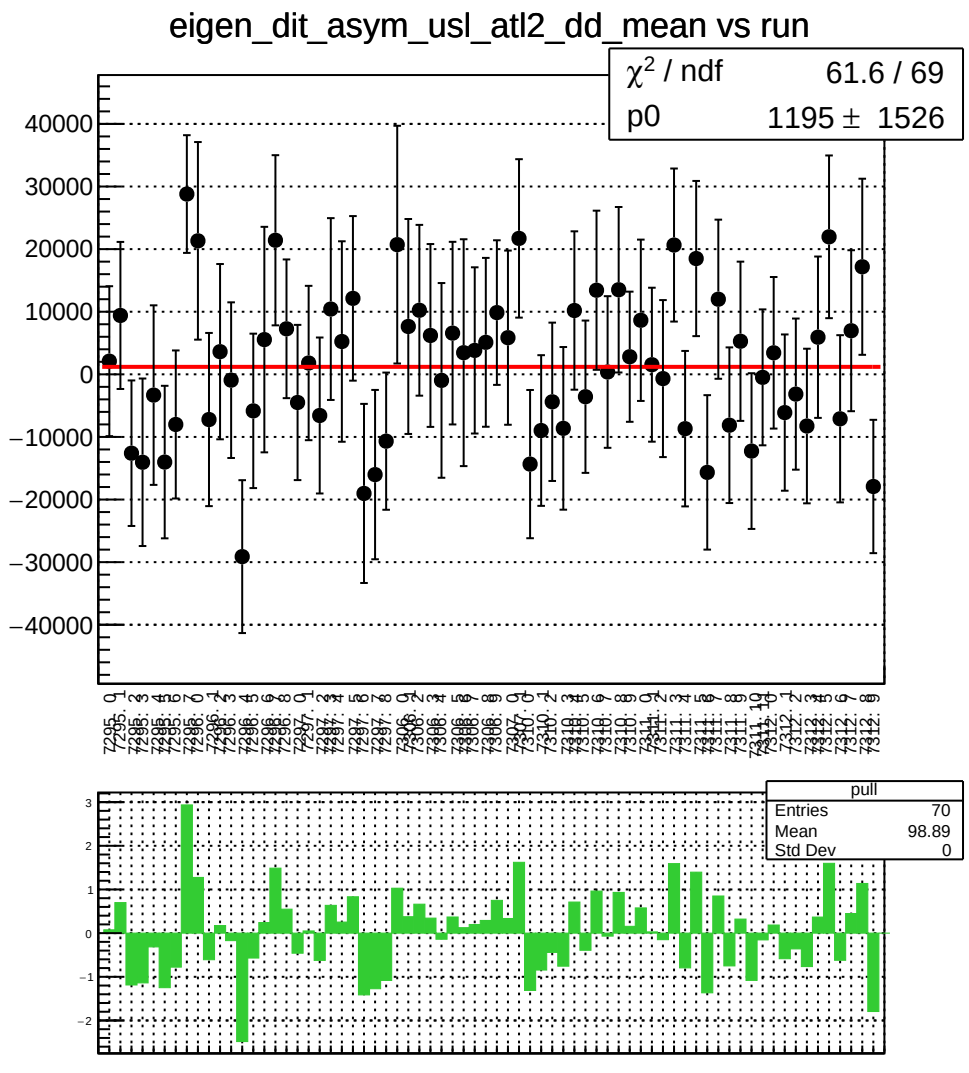

pull1D
Entries 70
Mean 0.012
Std Dev 0.938

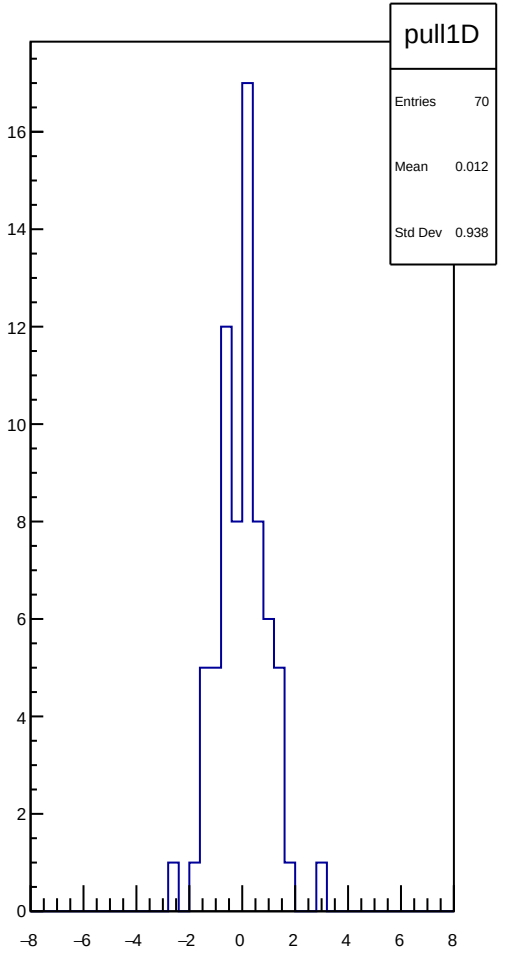

dit_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 1.164e+04 / 69
p0 1234 ± 1.079
1800
1700
1600
1500
1400
1300
1200
1100

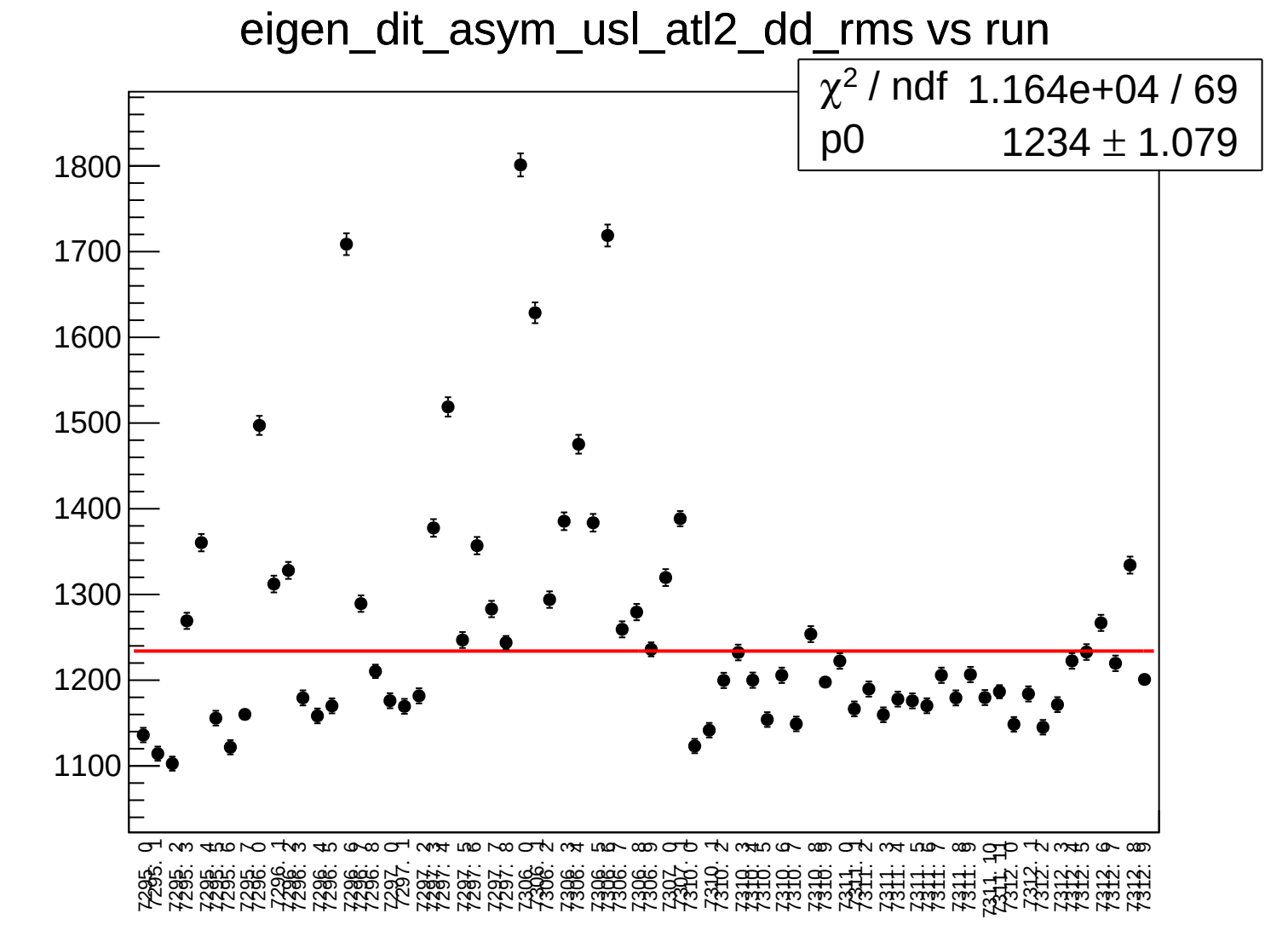

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.82 / 69
p0 1280 ± 5589
pull
Entries 70
Mean 546.3
Std Dev 0

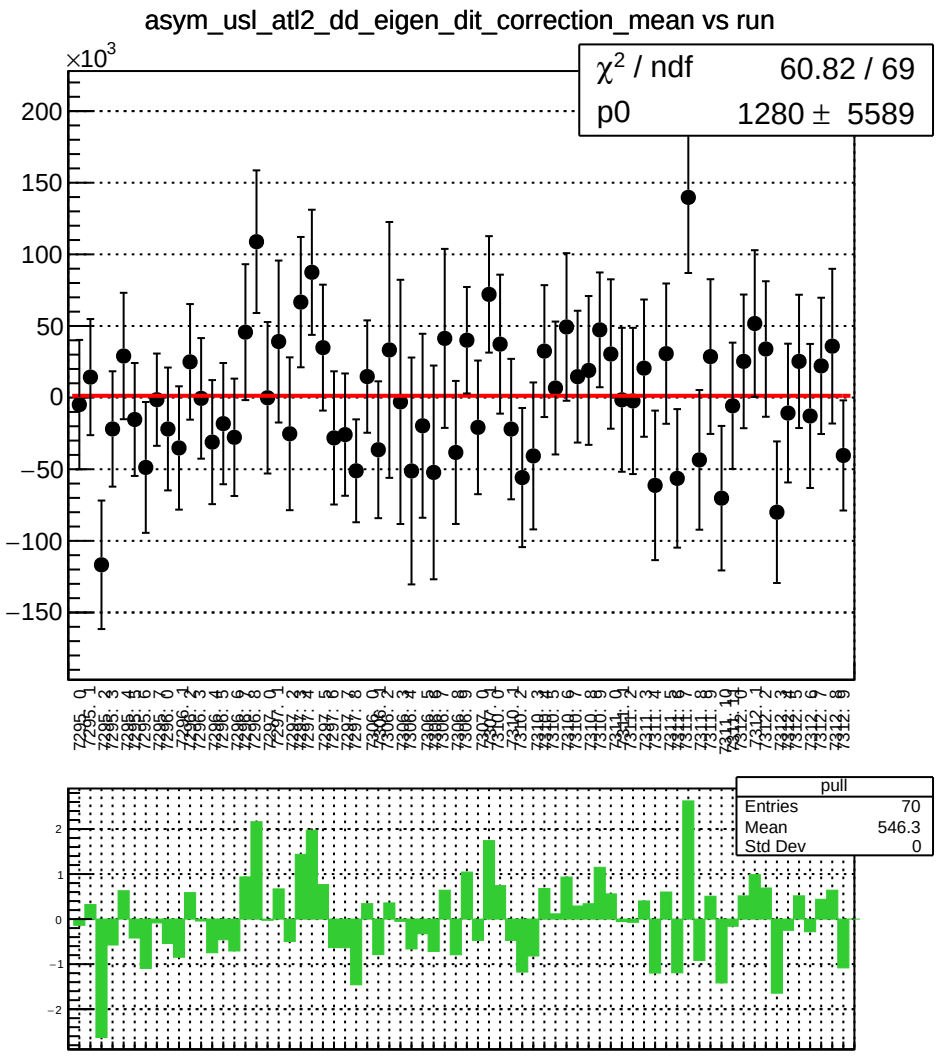

pull1D
Entries 70
Mean 0.003625
Std Dev 0.9321

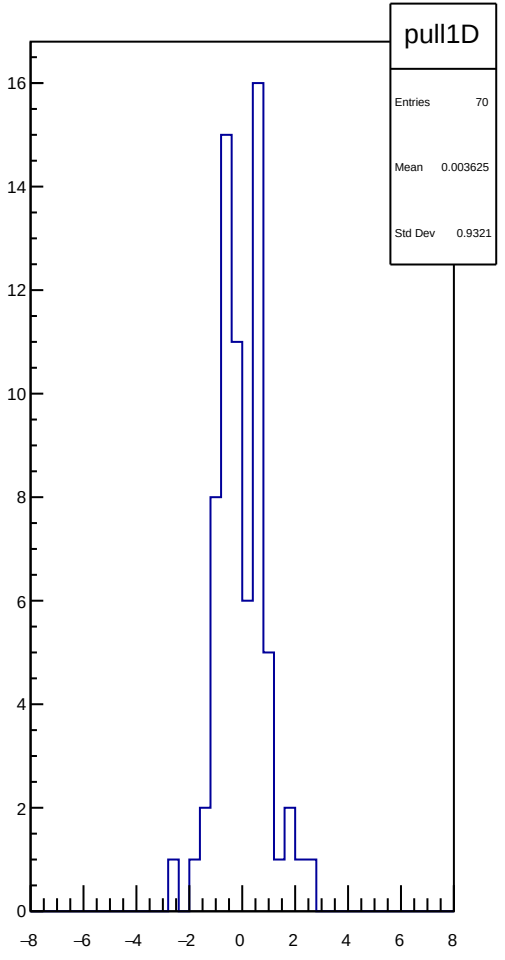

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 2.542e+04 / 69
p0 4495 ± 3.952
9000
8000
7000
6000
5000
4000

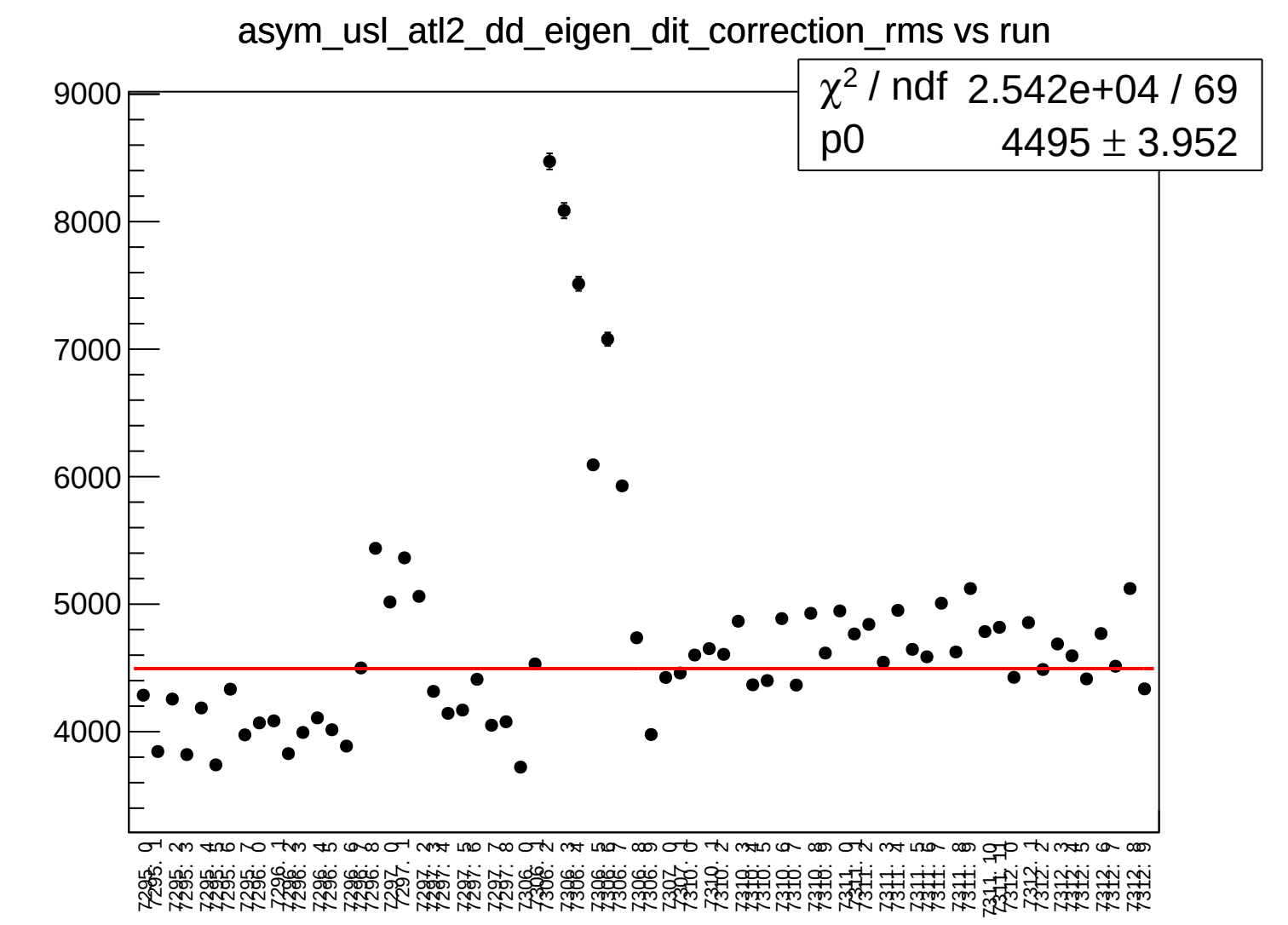

eigen_dit_asym_usl_atl2_dd_mean vs run
χ^2 / ndf 61.6 / 69
p0 1195 ± 1526
pull
Entries 70
Mean 98.89
Std Dev 0

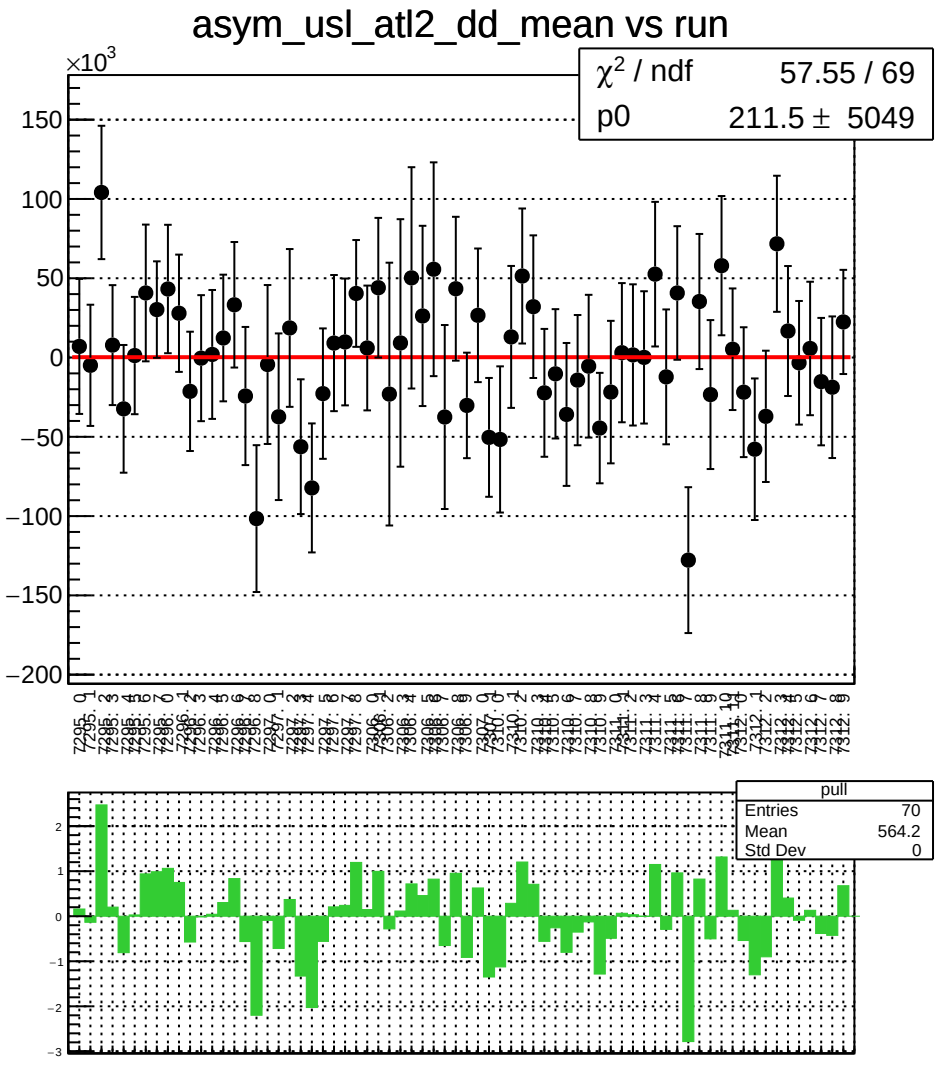

pull1D
Entries 70
Mean 0.012
Std Dev 0.938

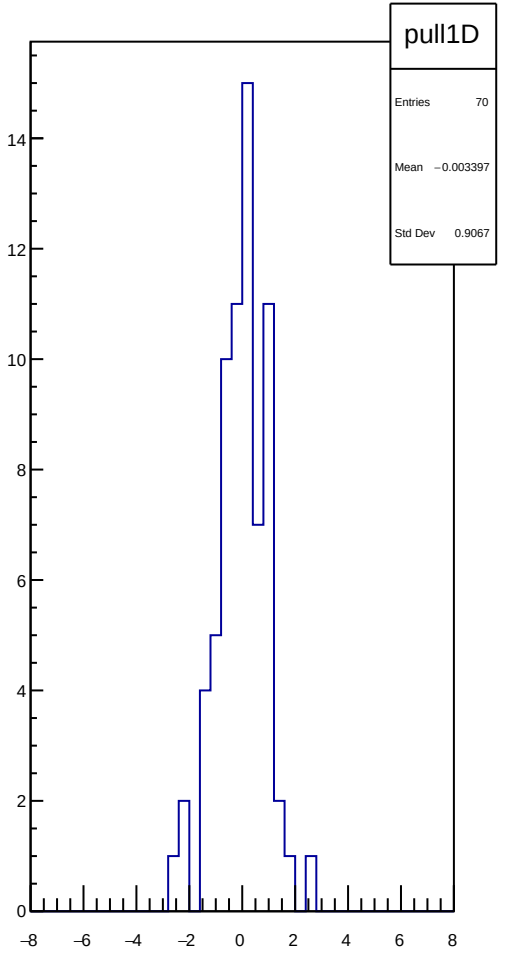

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1.164e+04 / 69
p0 1234 ± 1.079
1800
1700
1600
1500
1400
1300
1200
1100

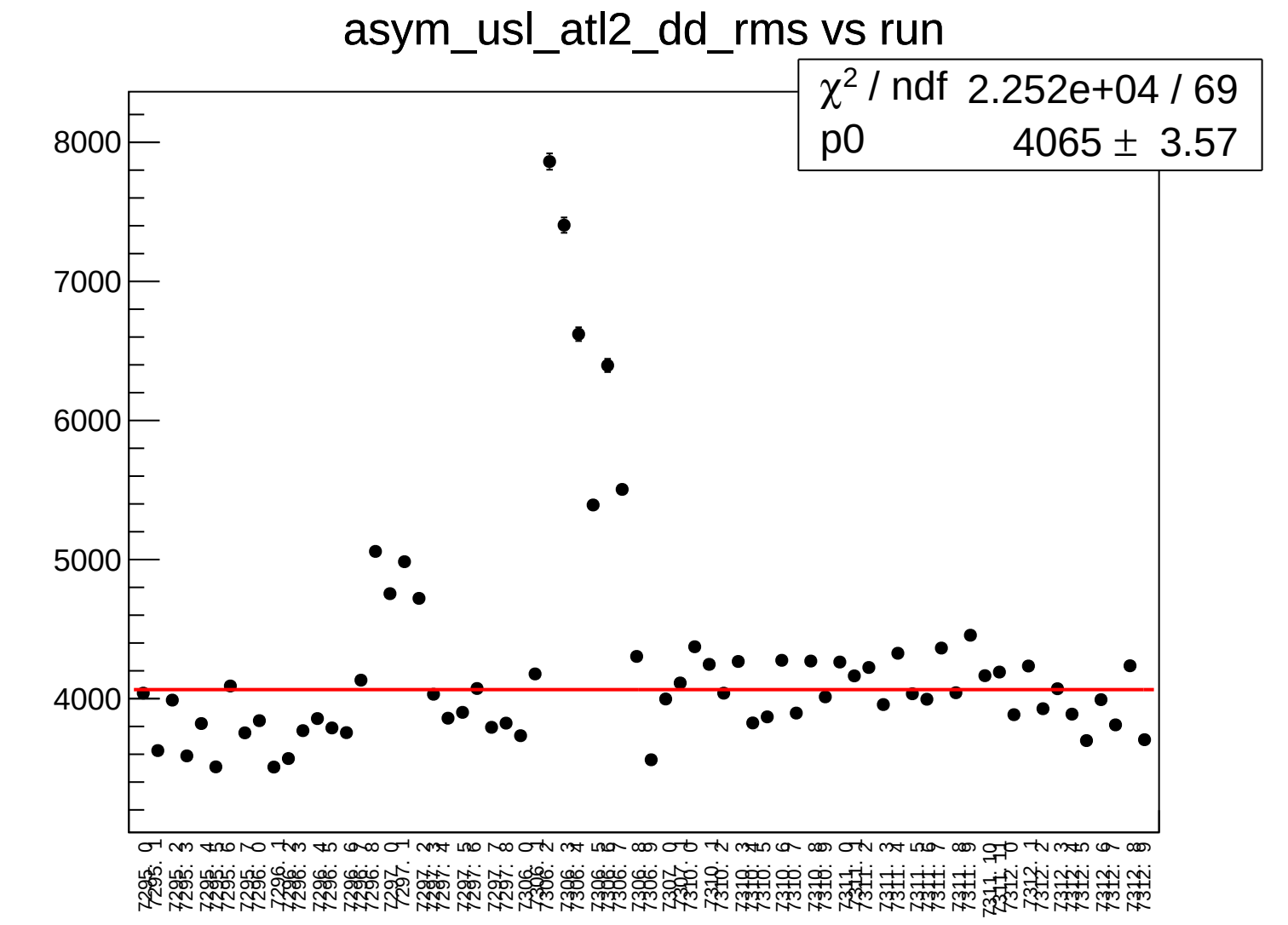

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.82 / 69
p0 1280 ± 5589
pull
Entries 70
Mean 546.3
Std Dev 0

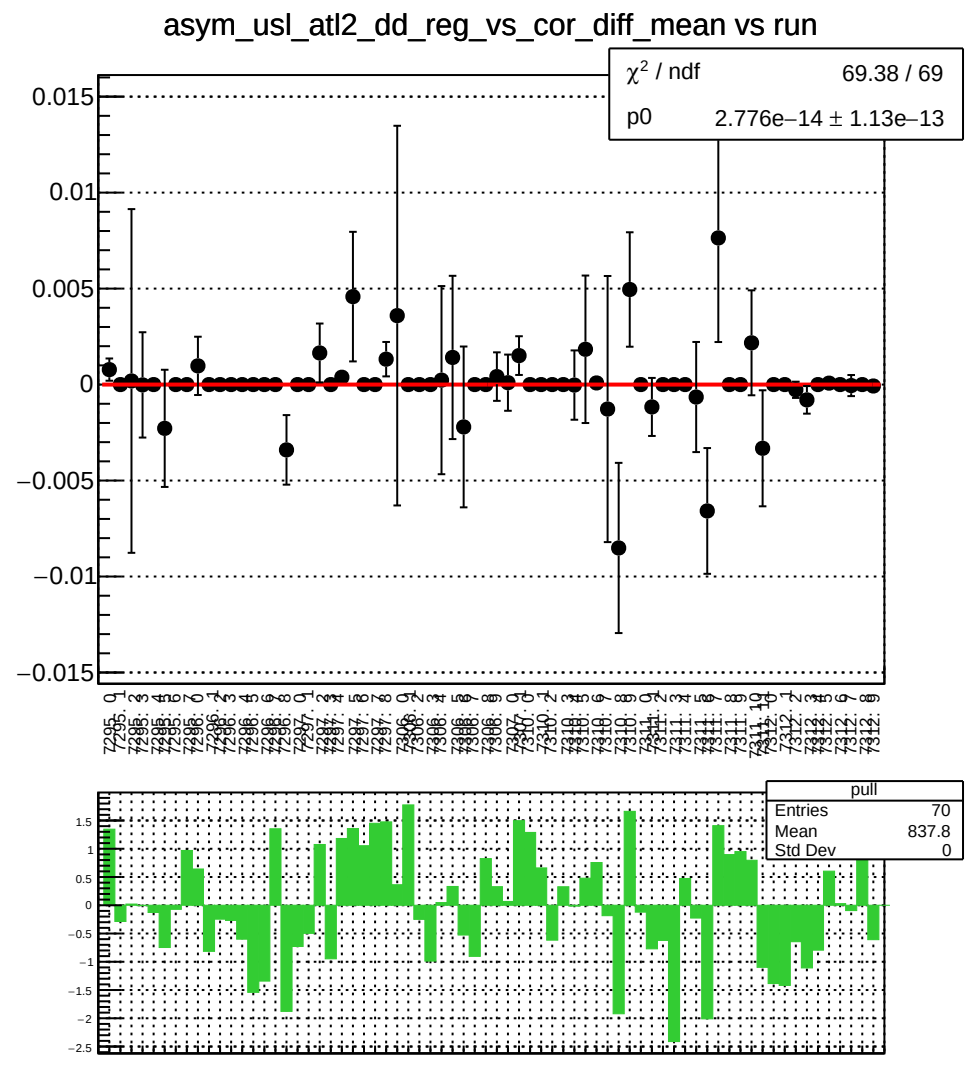

pull1D
Entries 70
Mean 0.003625
Std Dev 0.9321

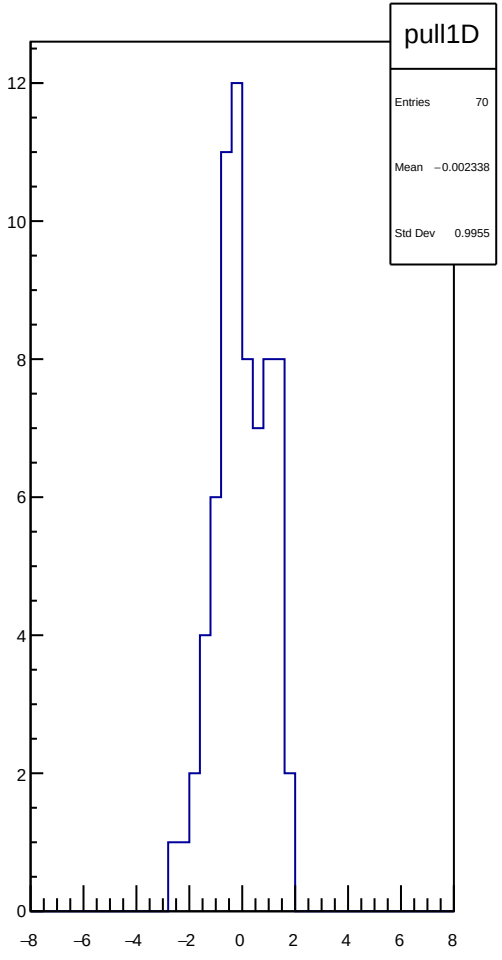

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.542e+04 / 69
p0 4495 ± 3.952
9000
8000
7000
6000
5000
4000

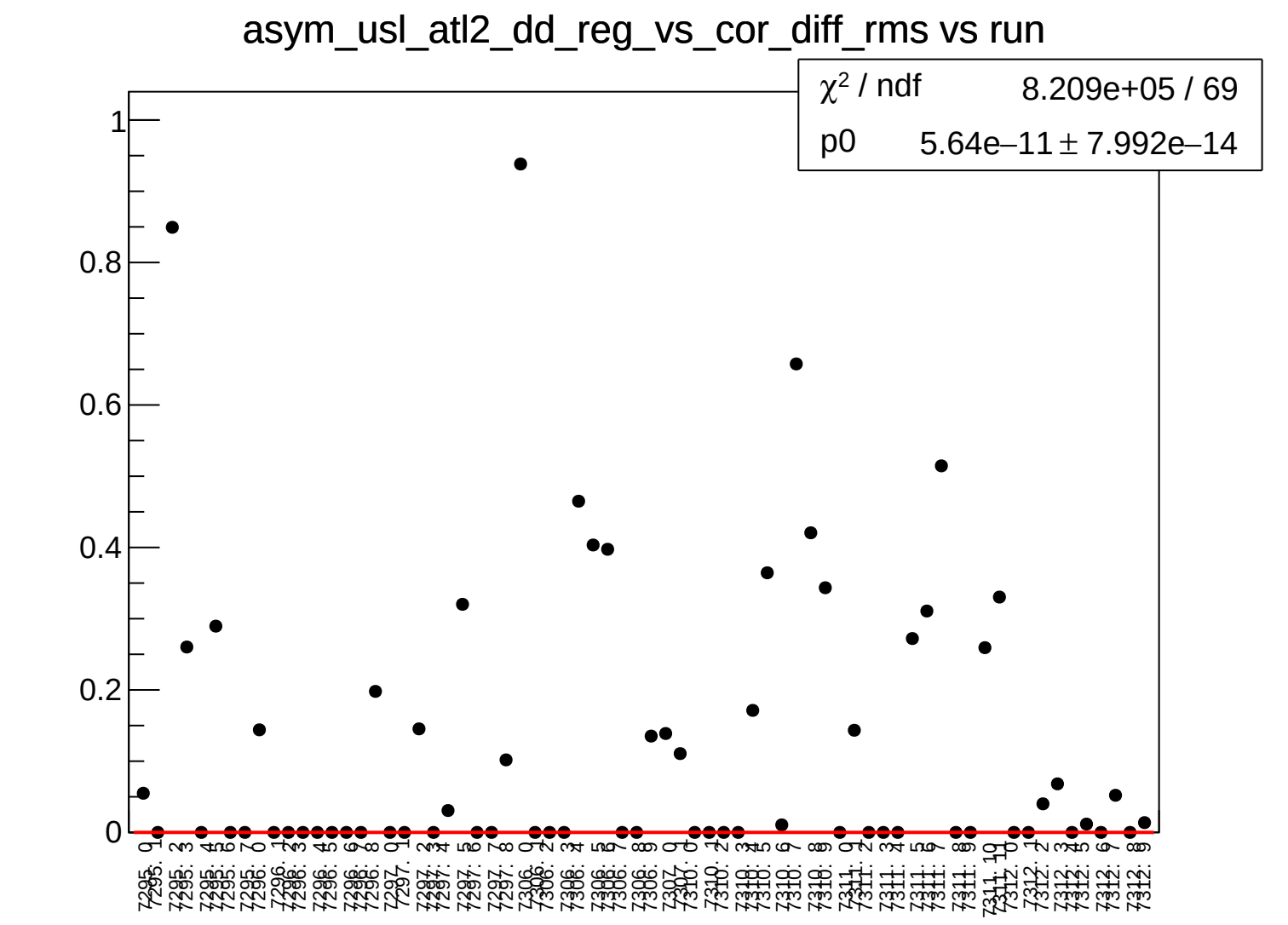

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 57.55 / 69
p0 211.5 ± 5049
pull
Entries 70
Mean 564.2
Std Dev 0

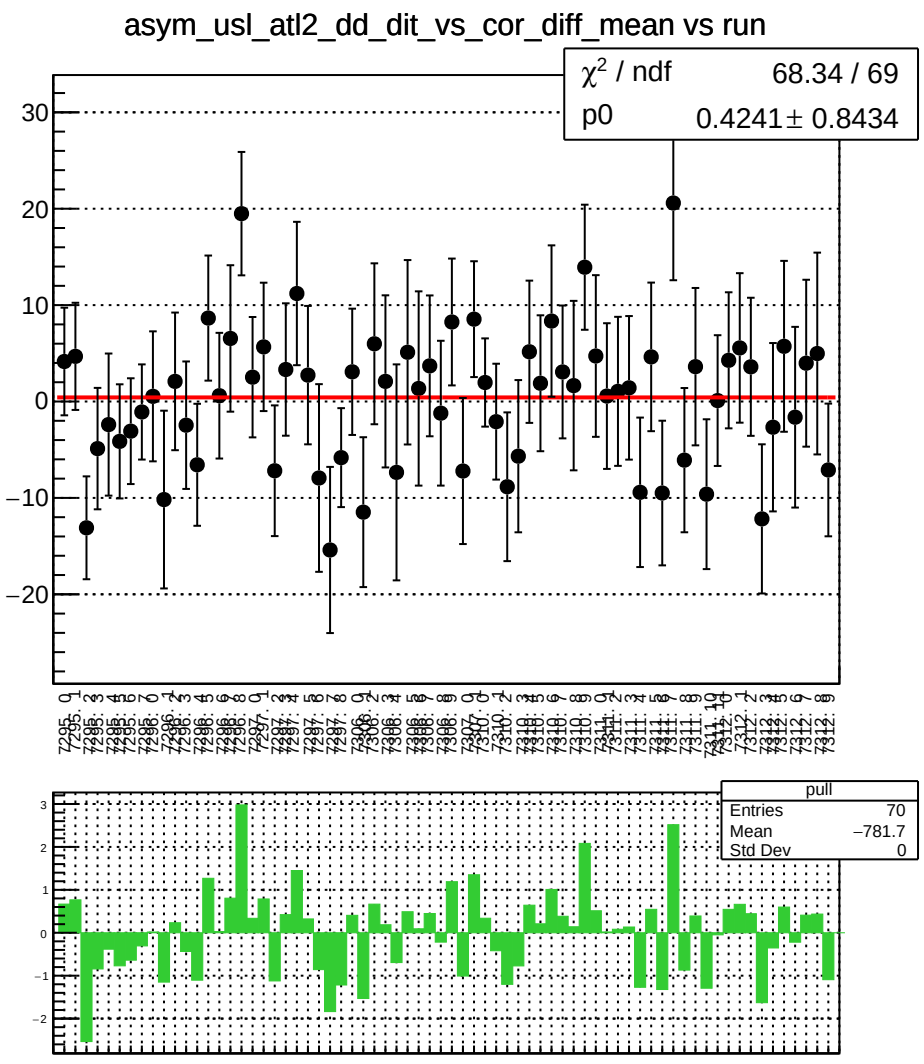

pull1D
Entries 70
Mean −0.003397
Std Dev 0.9067

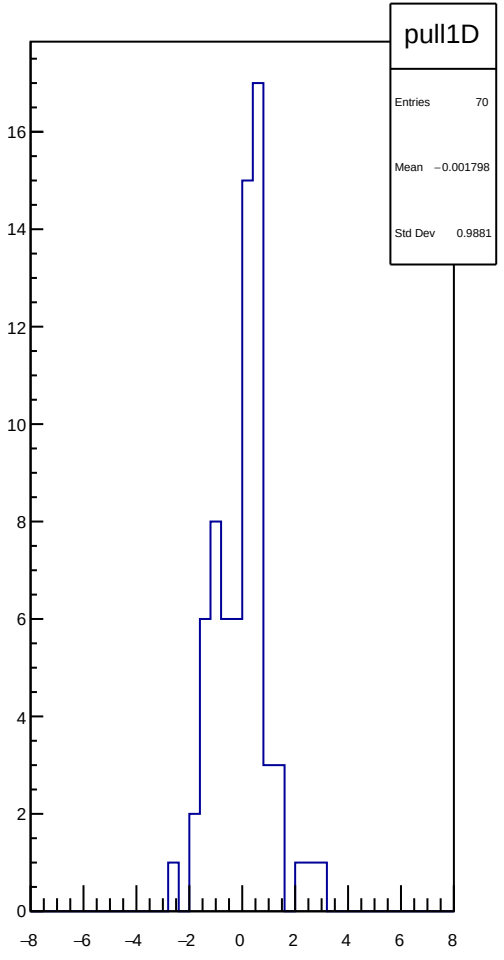

asym_usl_atl2_dd_rms vs run
χ² / ndf 2.252e+04 / 69
p0 4065 ± 3.57
8000
7000
6000
5000
4000

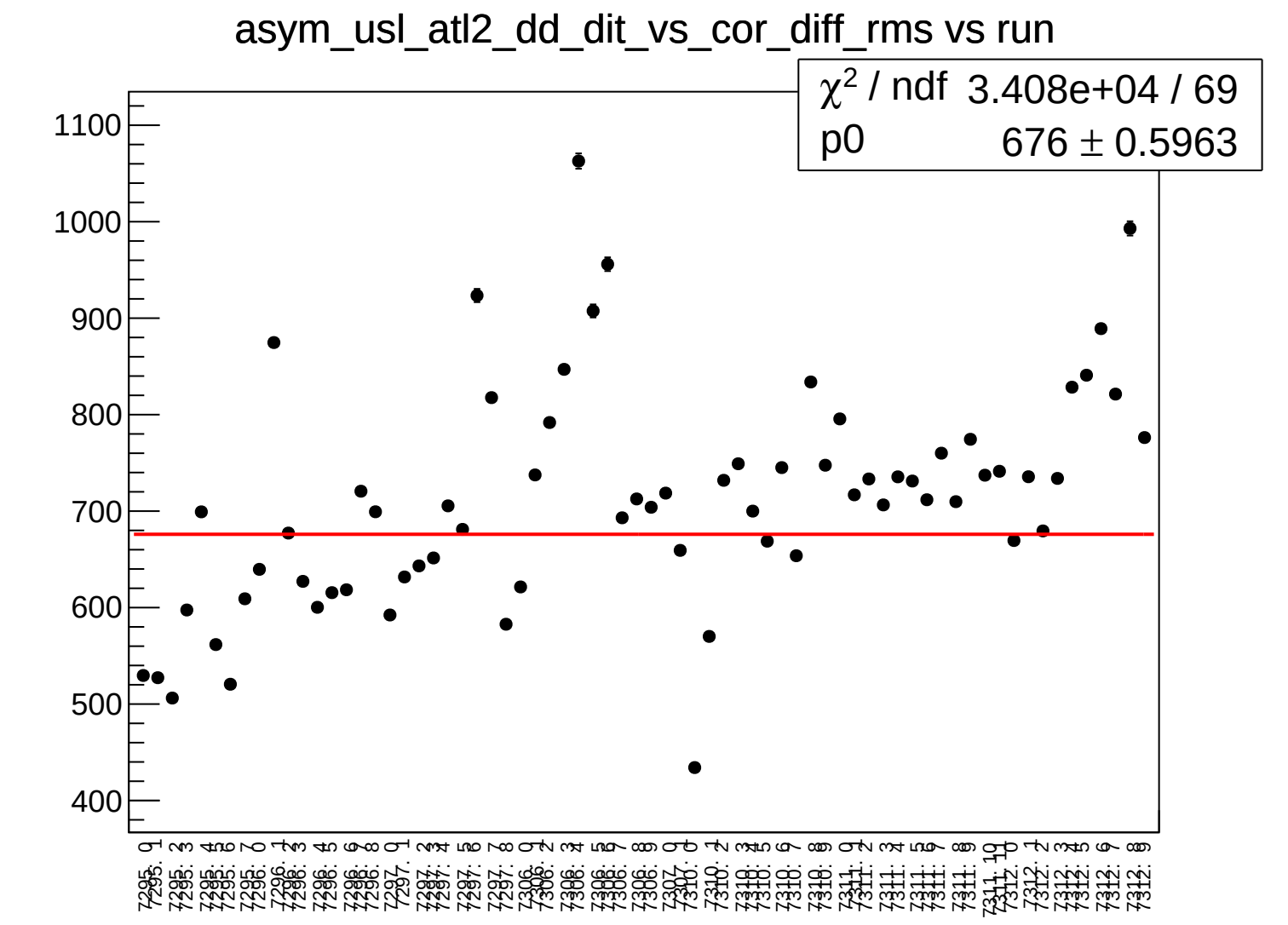

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.38 / 69
p0 2.776e−14 ± 1.13e−13
pull
Entries 70
Mean 837.8
Std Dev 0

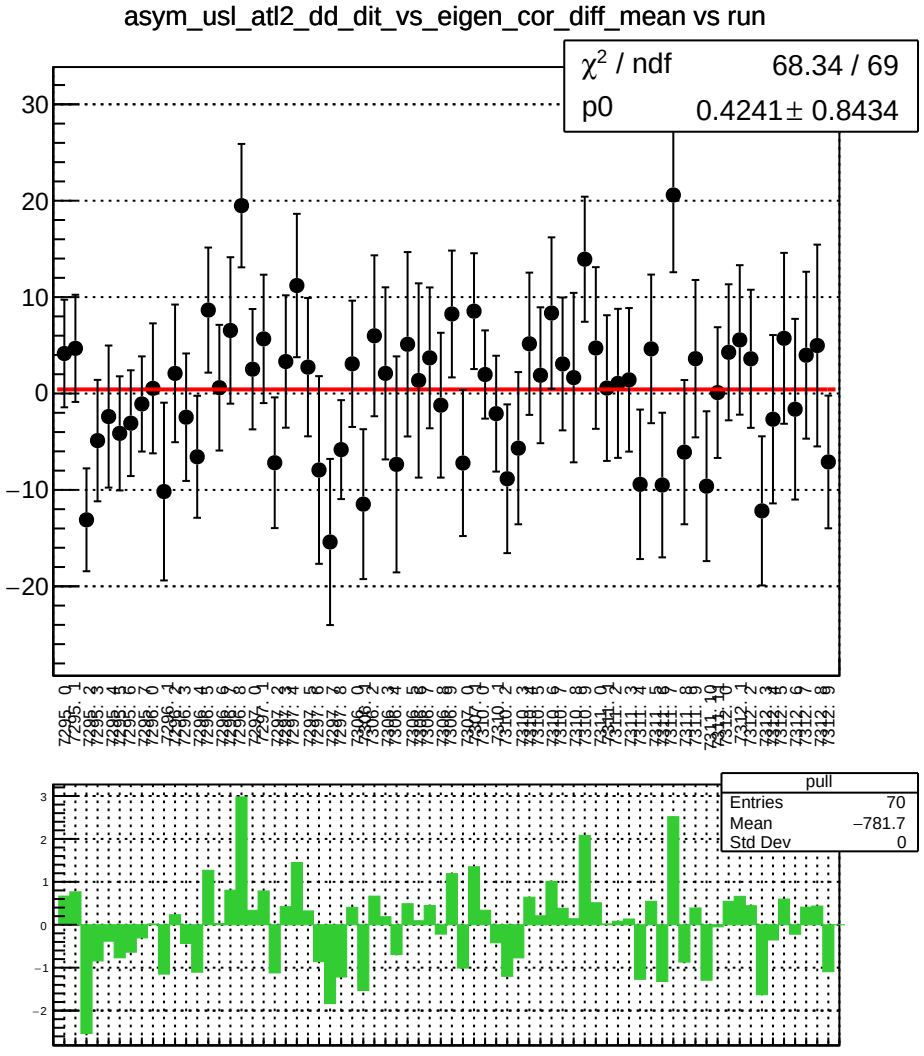

pull1D
Entries 70
Mean −0.002338
Std Dev 0.9955

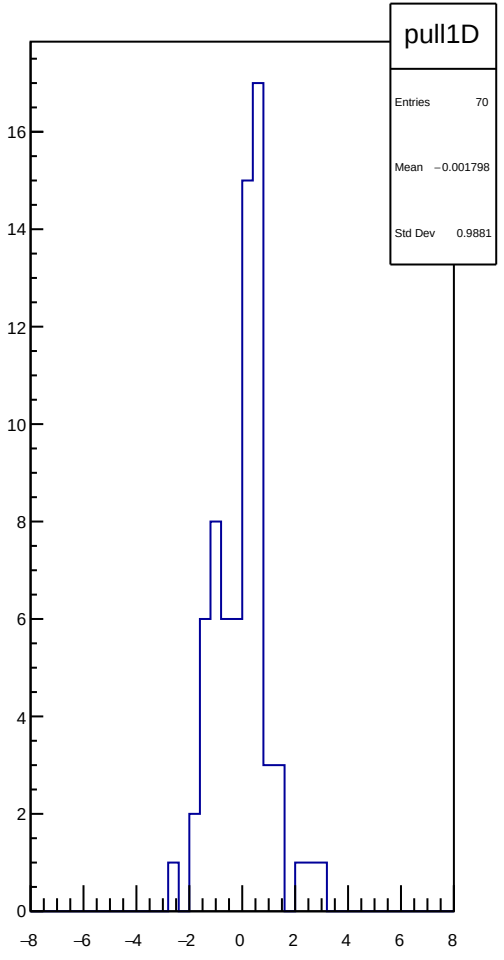

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.209e+05 / 69
p0 5.64e−11 ± 7.992e−14
1
0.8
0.6
0.4
0.2
0

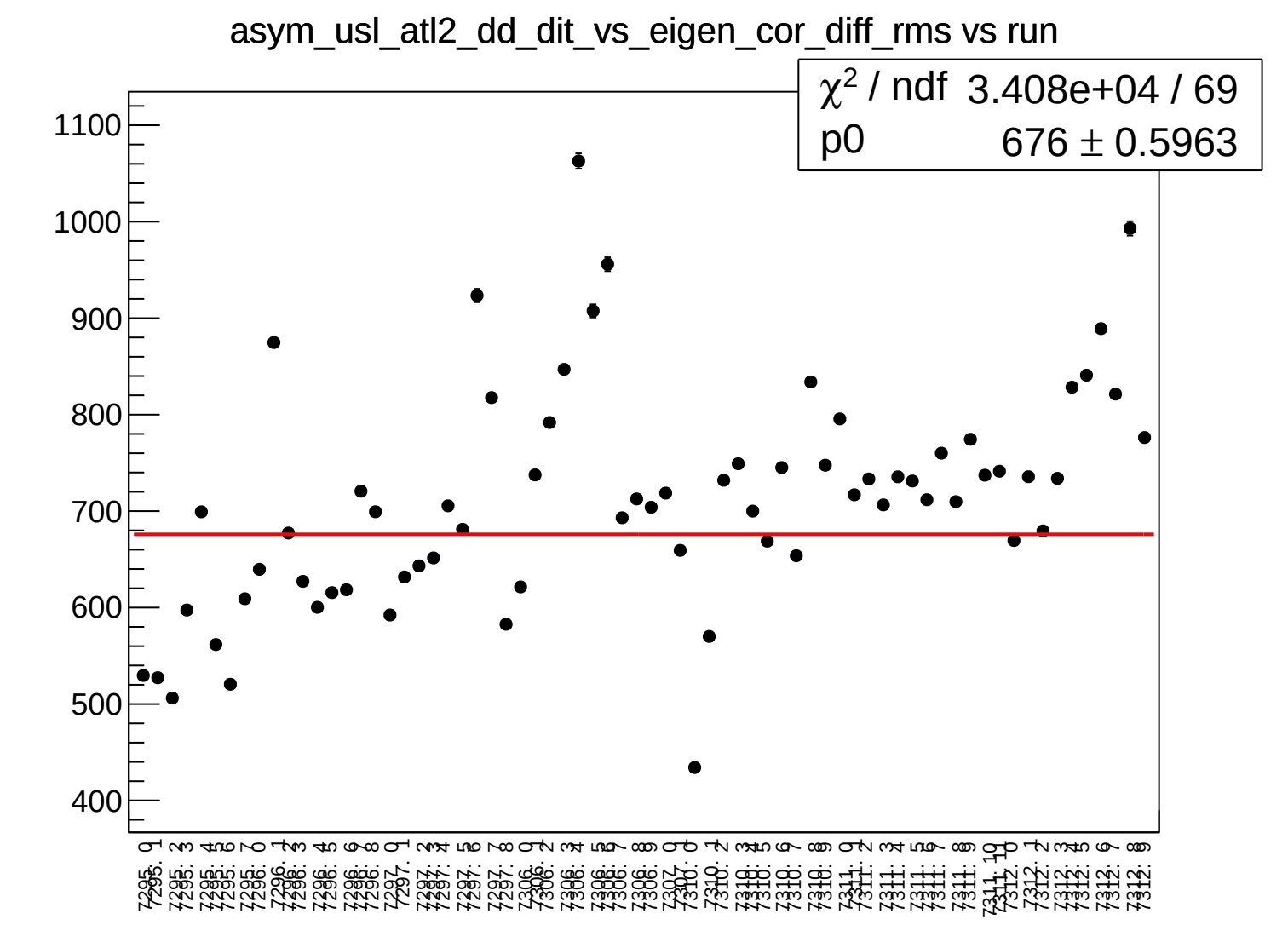

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.34 / 69
p0 0.4241 ± 0.8434
pull
Entries 70
Mean −781.7
Std Dev 0

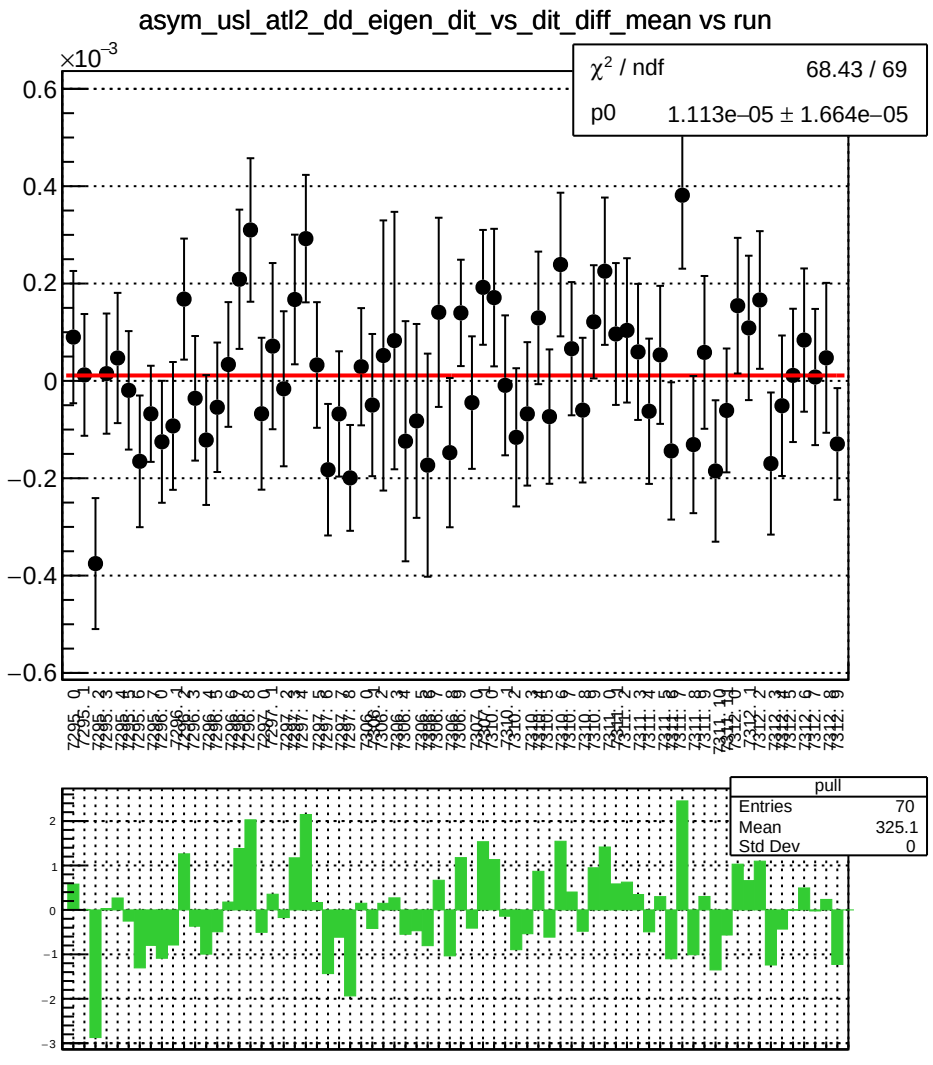

pull1D
Entries 70
Mean −0.001798
Std Dev 0.9881

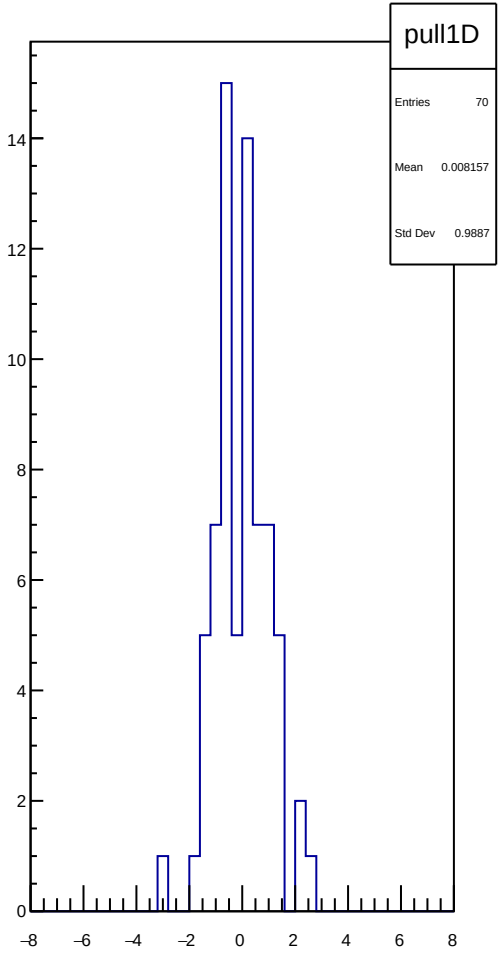

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.408e+04 / 69
p0 676 ± 0.5963
1100
1000
900
800
700
600
500
400

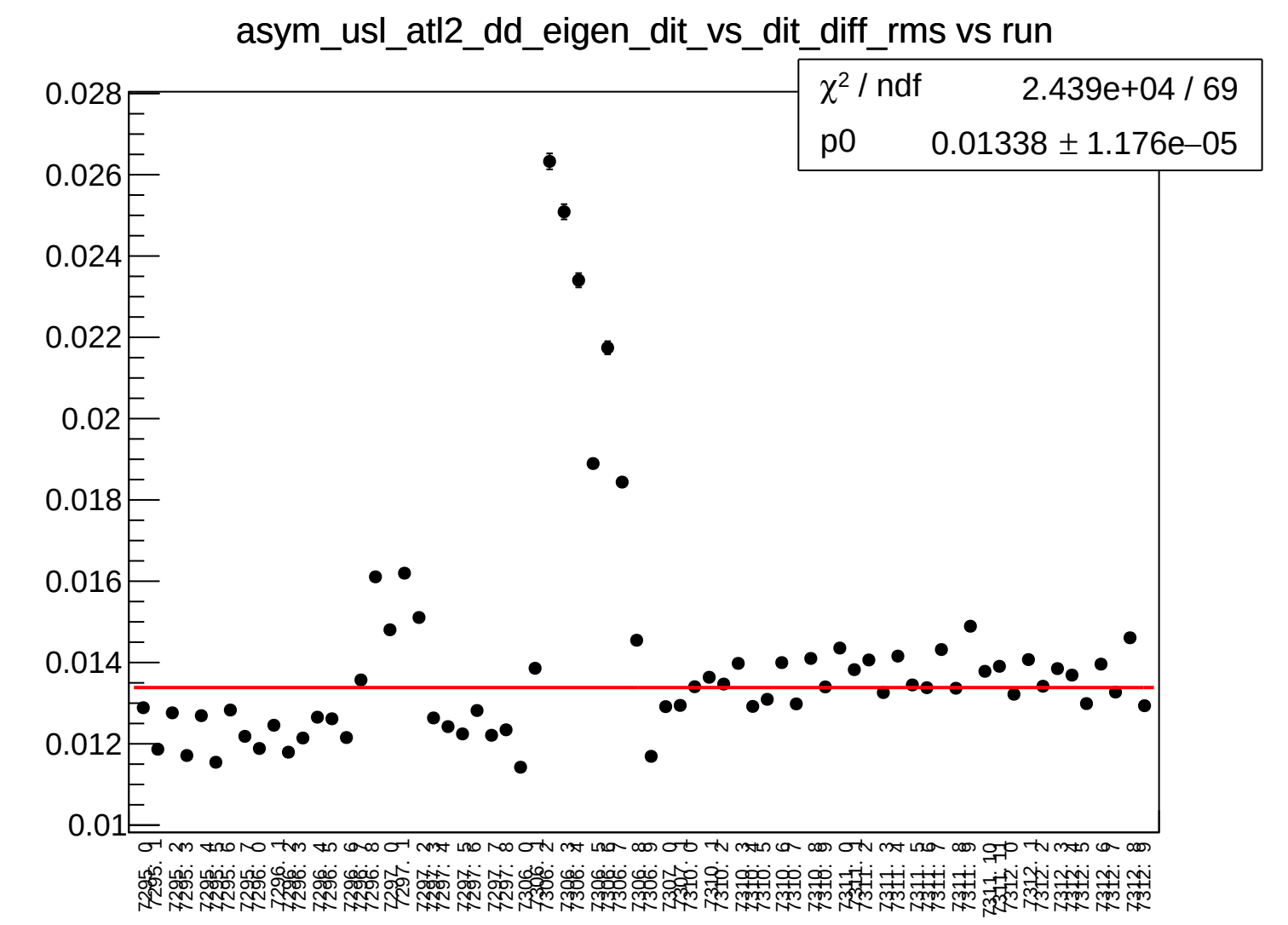

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.34 / 69
p0 0.4241 ± 0.8434
pull
Entries 70
Mean −781.7
Std Dev 0

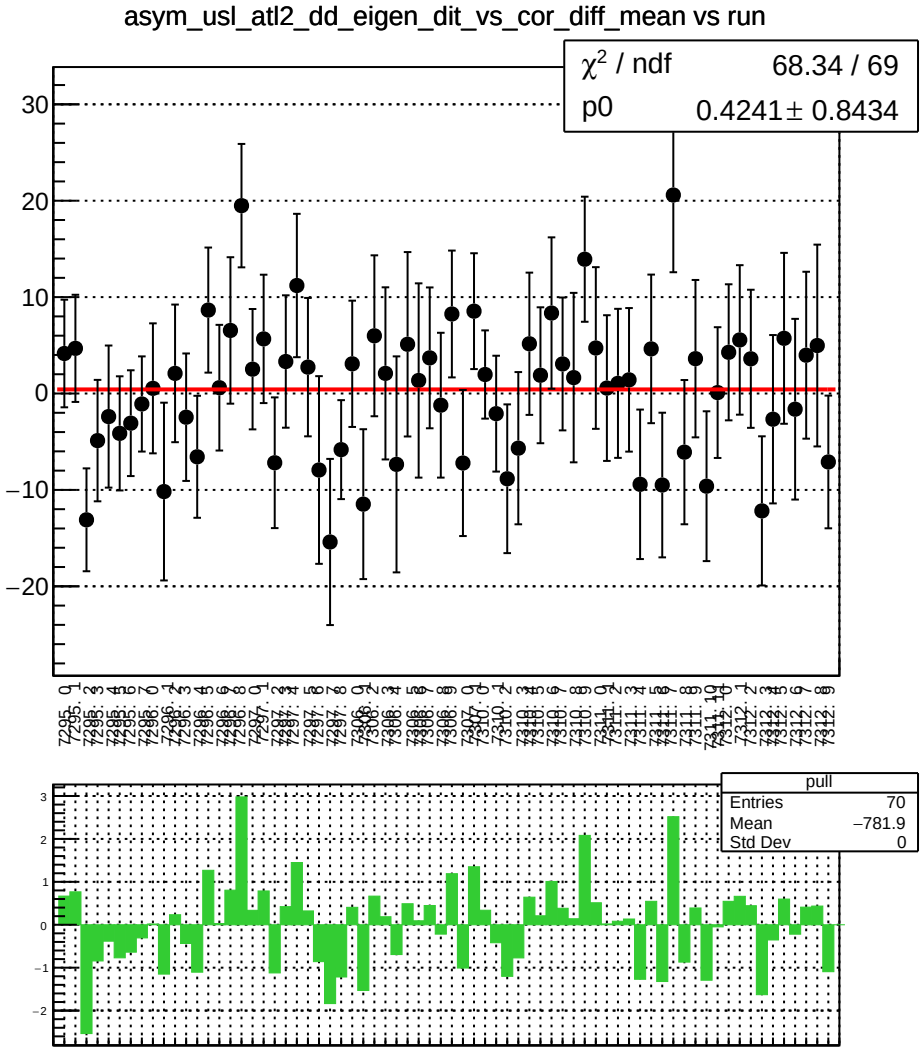

pull1D
Entries 70
Mean −0.001798
Std Dev 0.9881

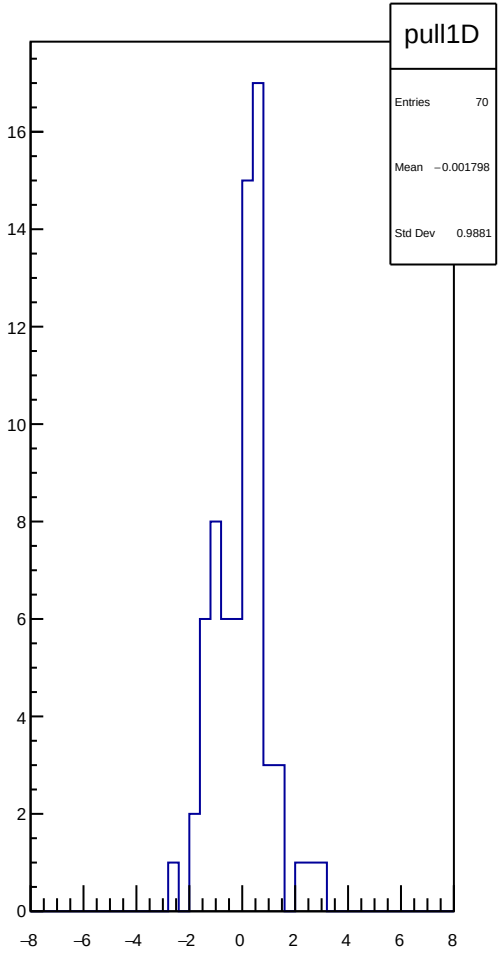

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.408e+04 / 69
p0 676 ± 0.5963
1100
1000
900
800
700
600
500
400

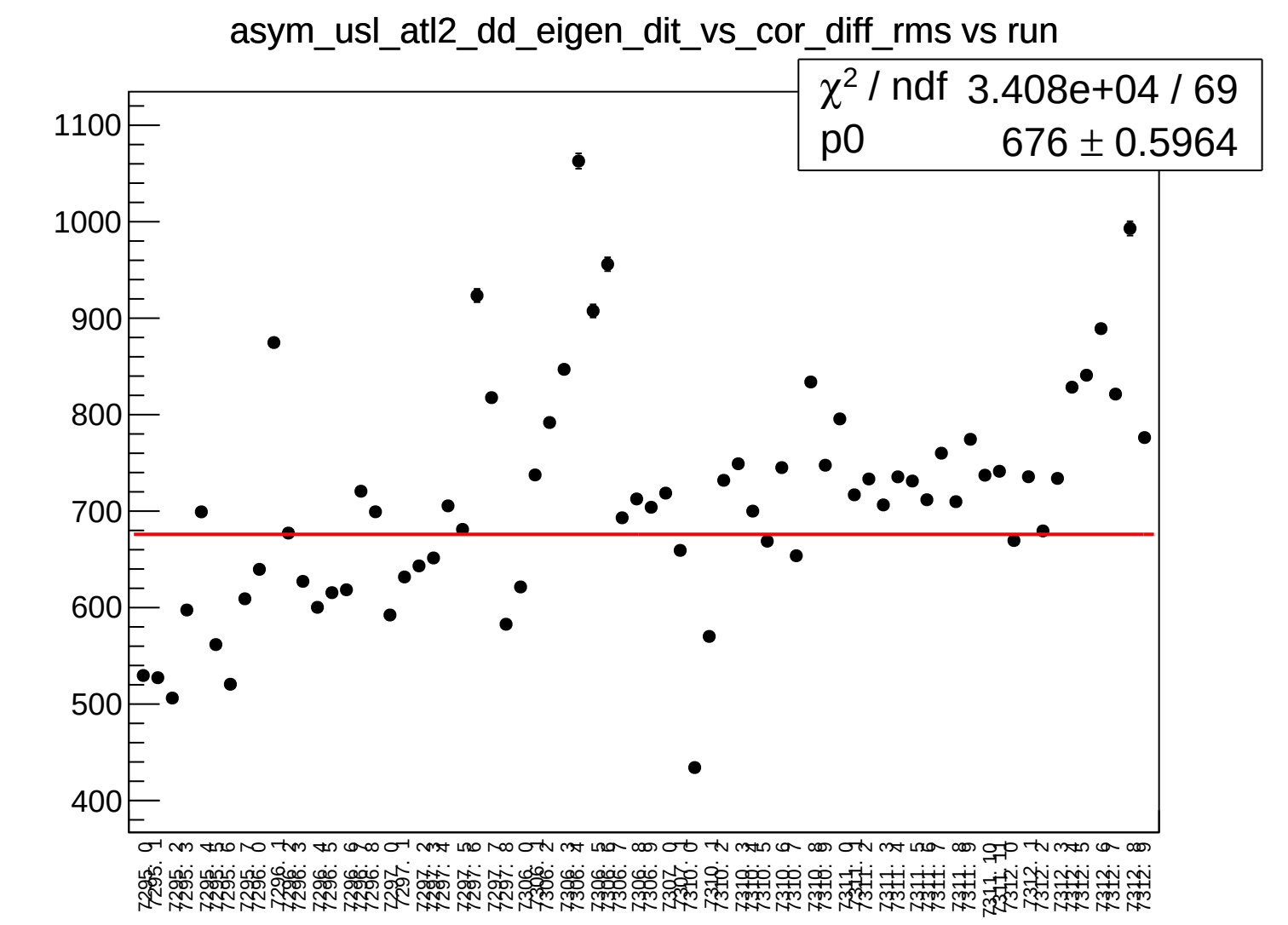

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.43 / 69
p0 1.113e−05 ± 1.664e−05
pull
Entries 70
Mean 325.1
Std Dev 0

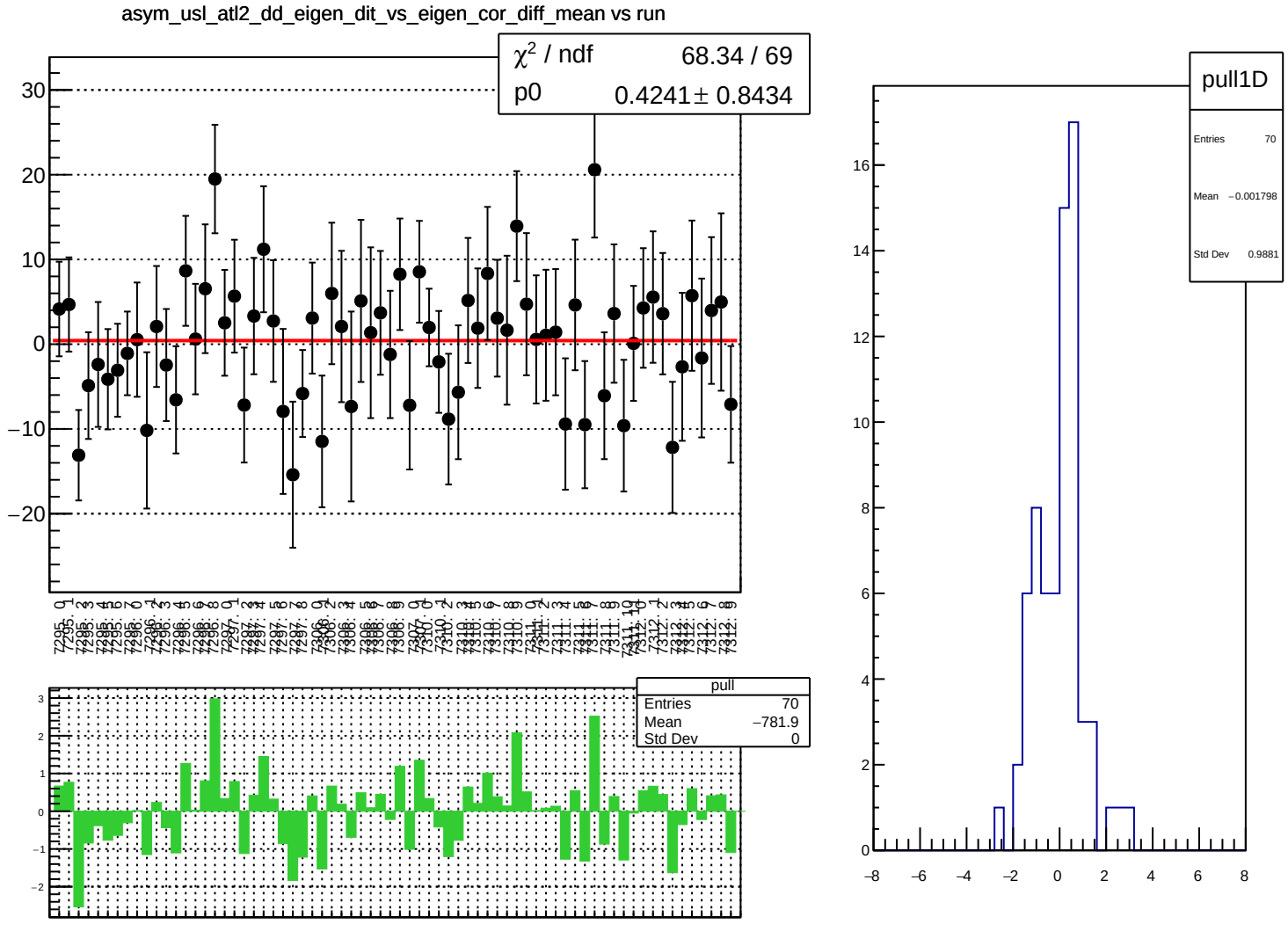

pull1D
Entries 70
Mean 0.008157
Std Dev 0.9887

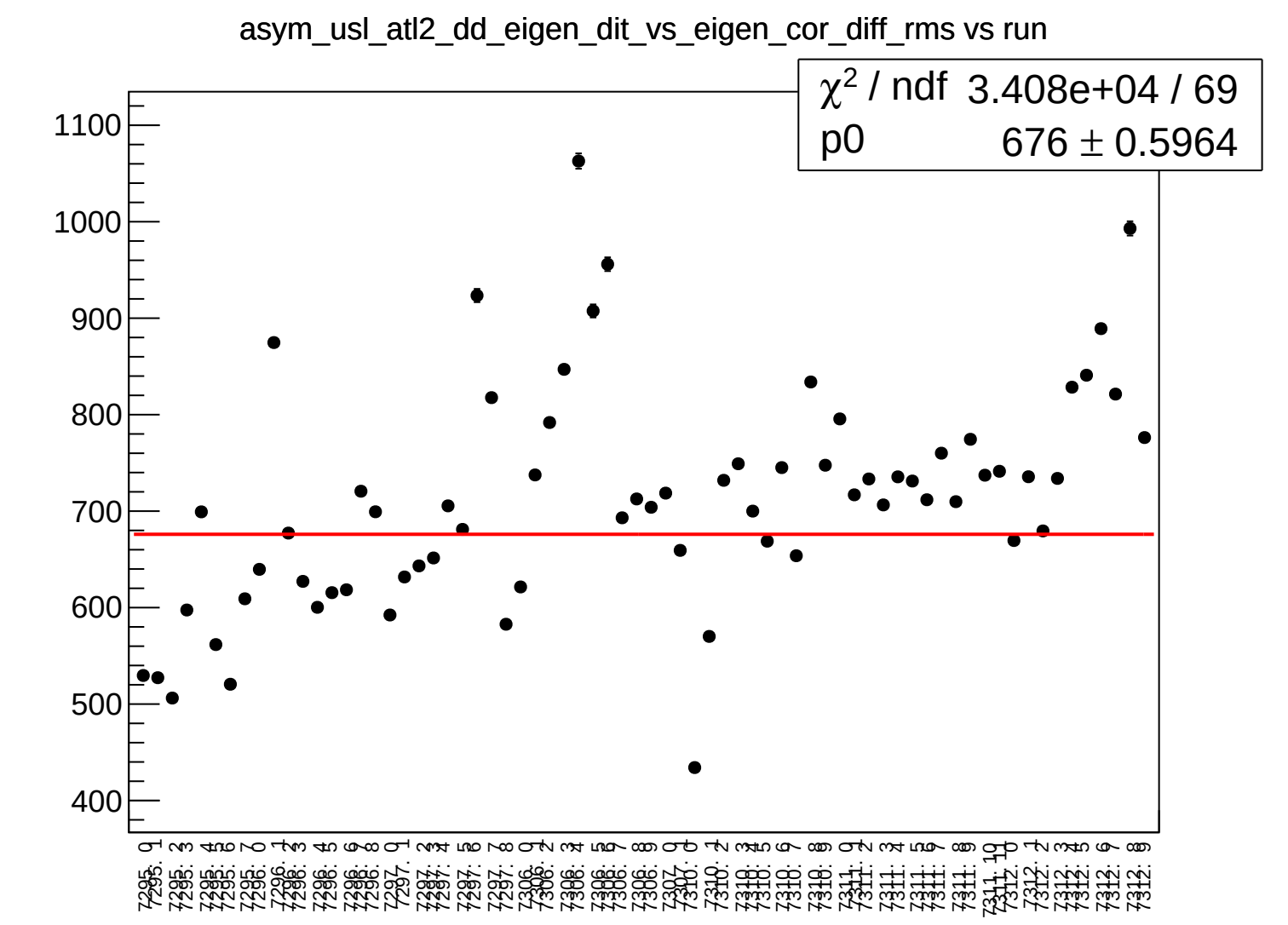

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.439e+04 / 69
p0 0.01338 ± 1.176e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

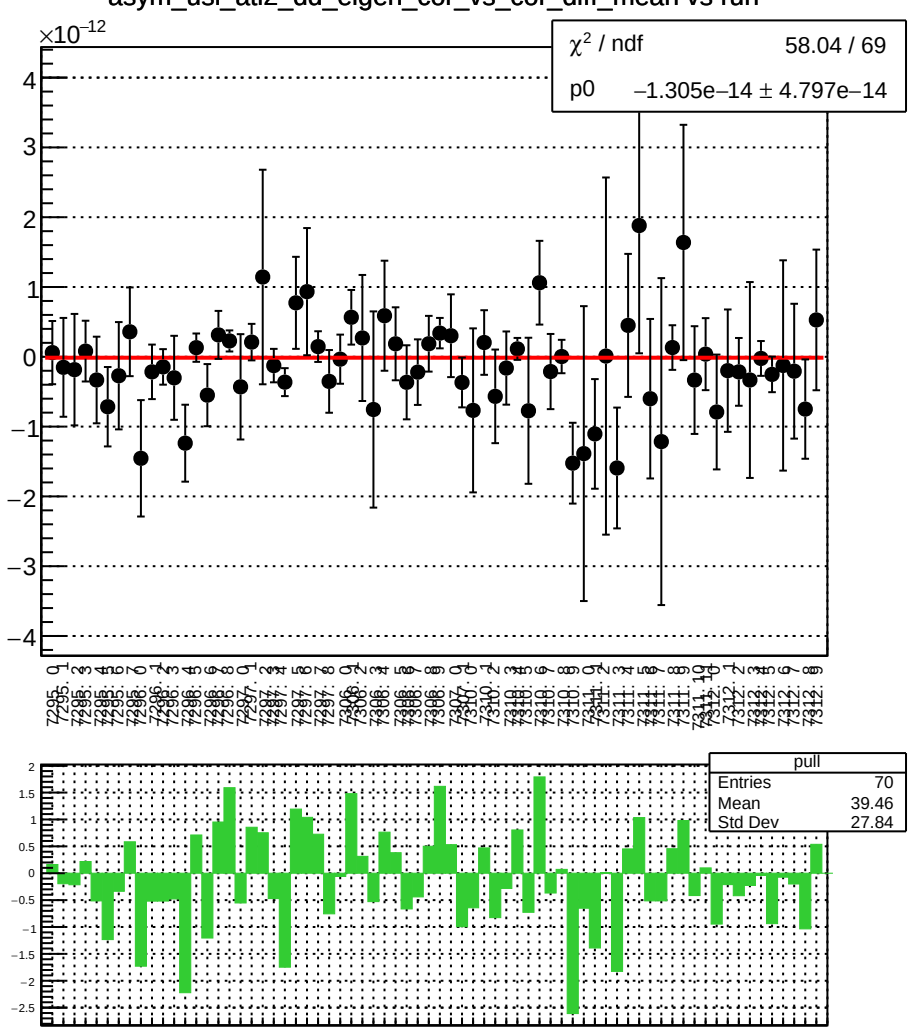

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.34 / 69
p0 0.4241 ± 0.8434
pull
Entries 70
Mean −781.9
Std Dev 0

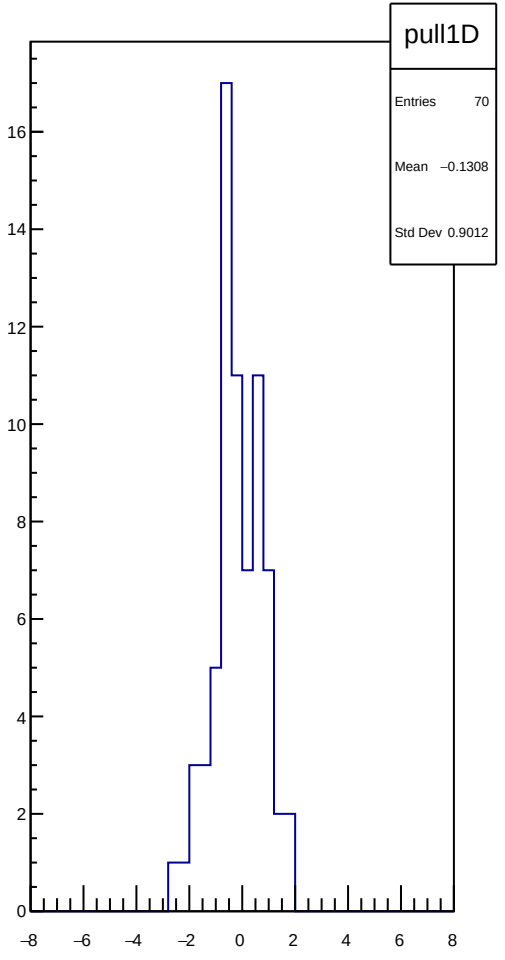

pull1D
Entries 70
Mean −0.001798
Std Dev 0.9881

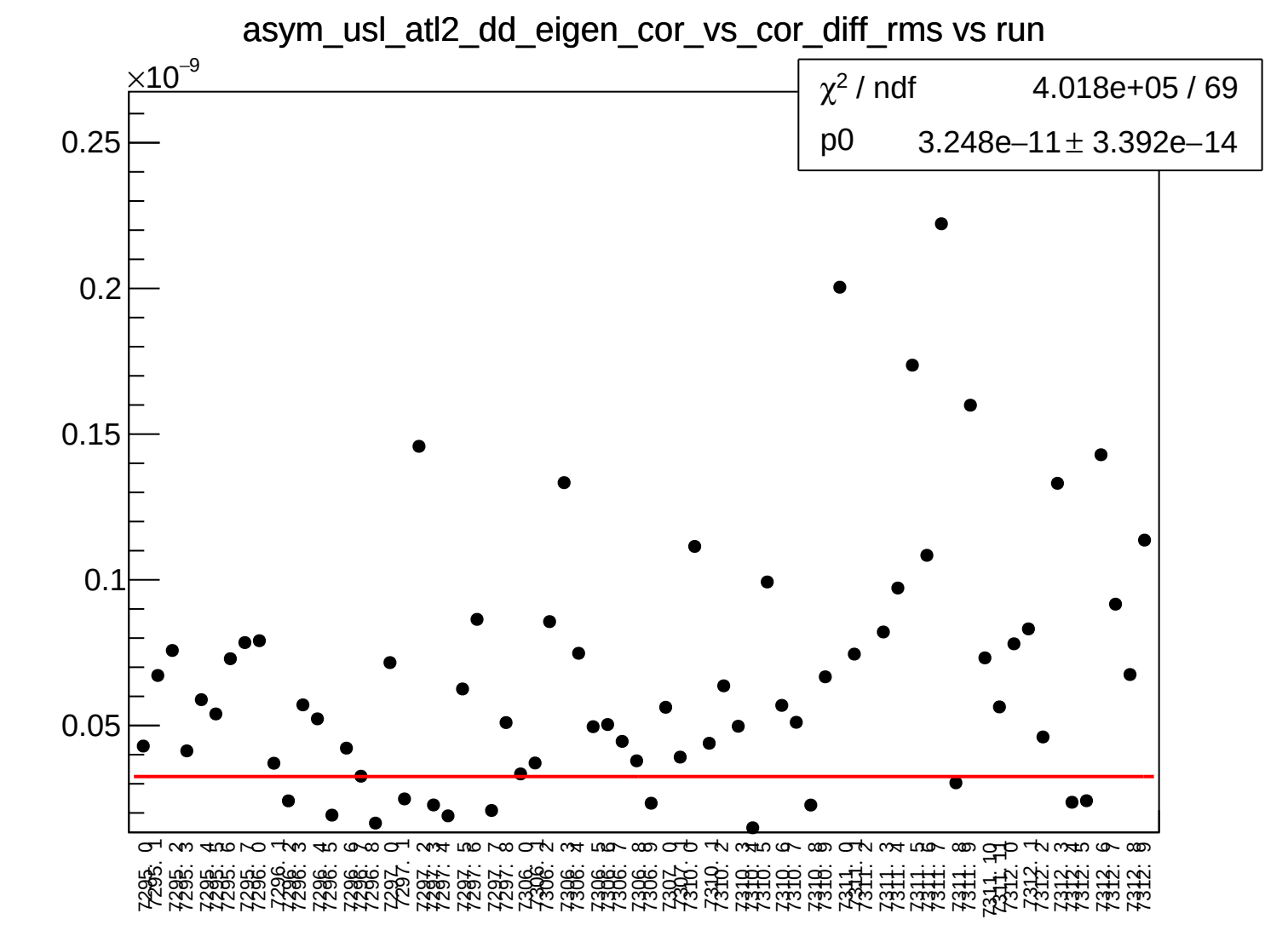

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.408e+04 / 69
p0 676 ± 0.5964
1100
1000
900
800
700
600
500
400

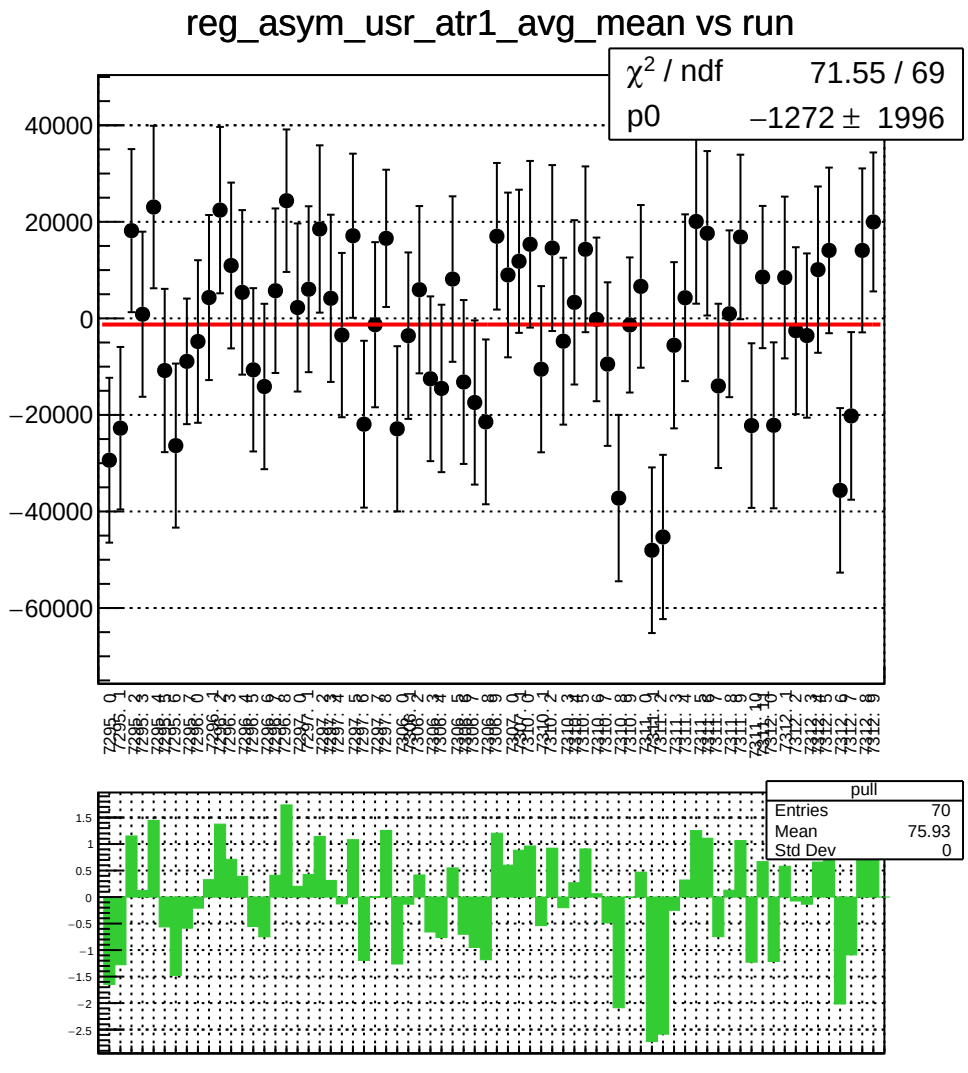

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.34 / 69
p0 0.4241 ± 0.8434
pull
Entries 70
Mean −781.9
Std Dev 0
pull1D
Entries 70
Mean −0.001798
Std Dev 0.9881

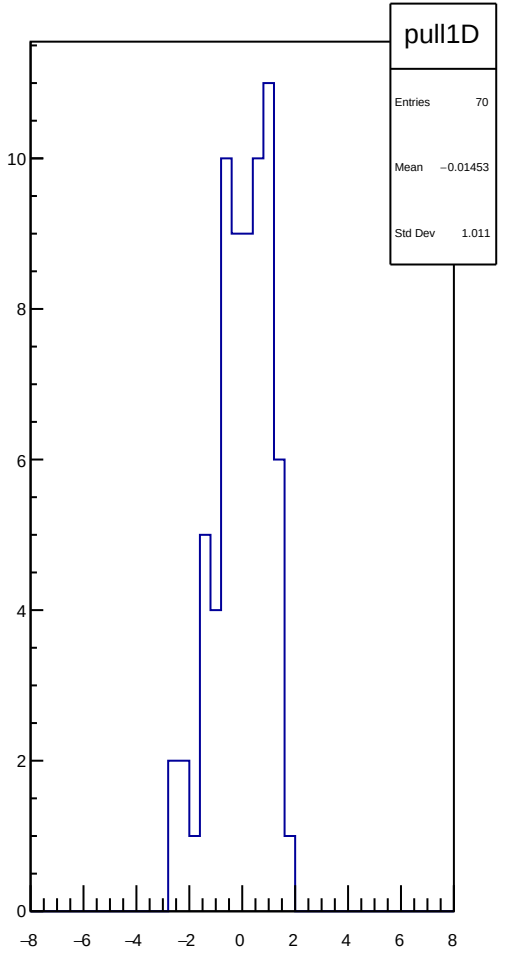

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.408e+04 / 69
p0 676 ± 0.5964
1100
1000
900
800
700
600
500
400

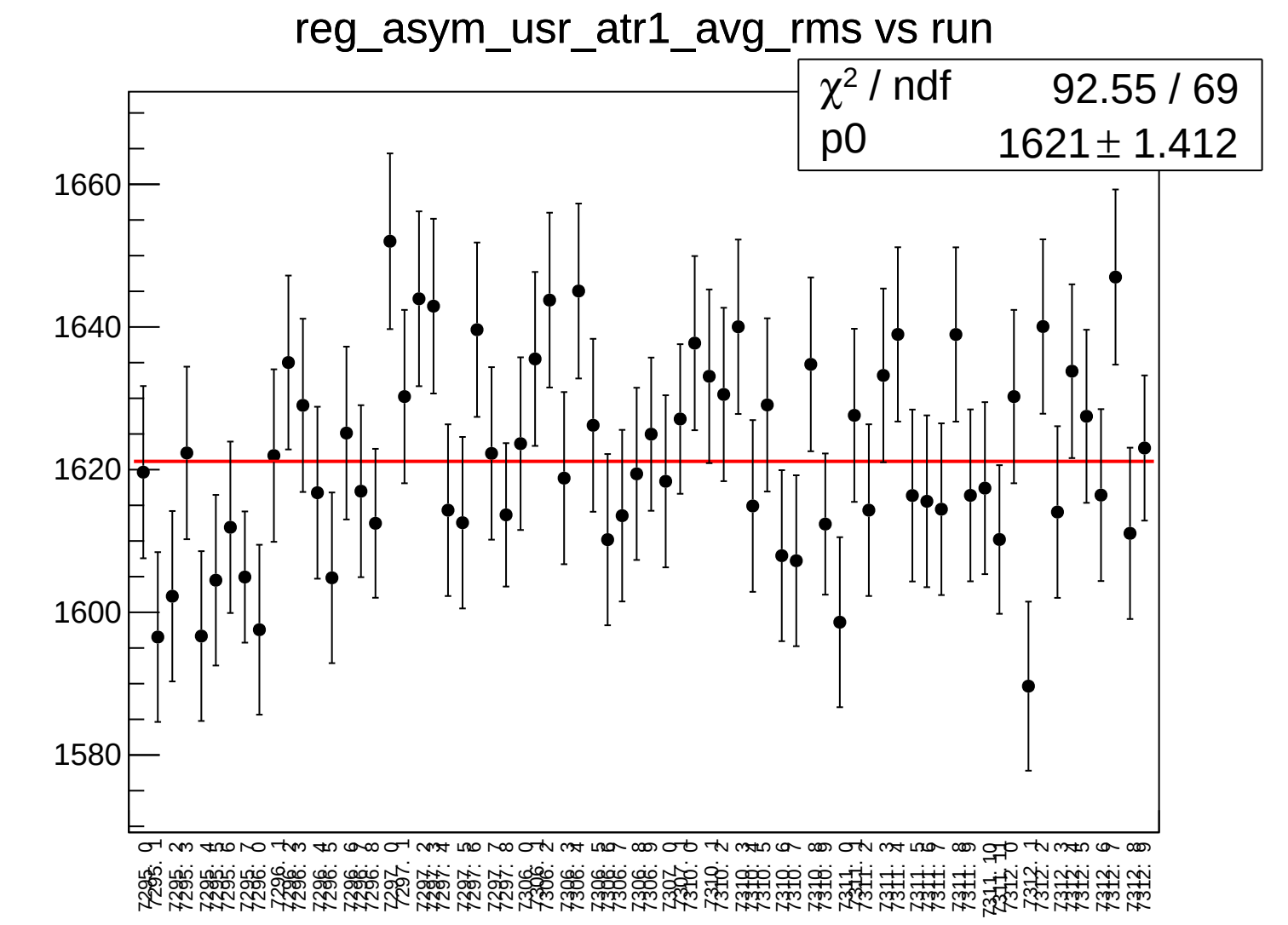

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.04 / 69
p0 −1.305e−14 ± 4.797e−14
pull
Entries 70
Mean 39.46
Std Dev 27.84

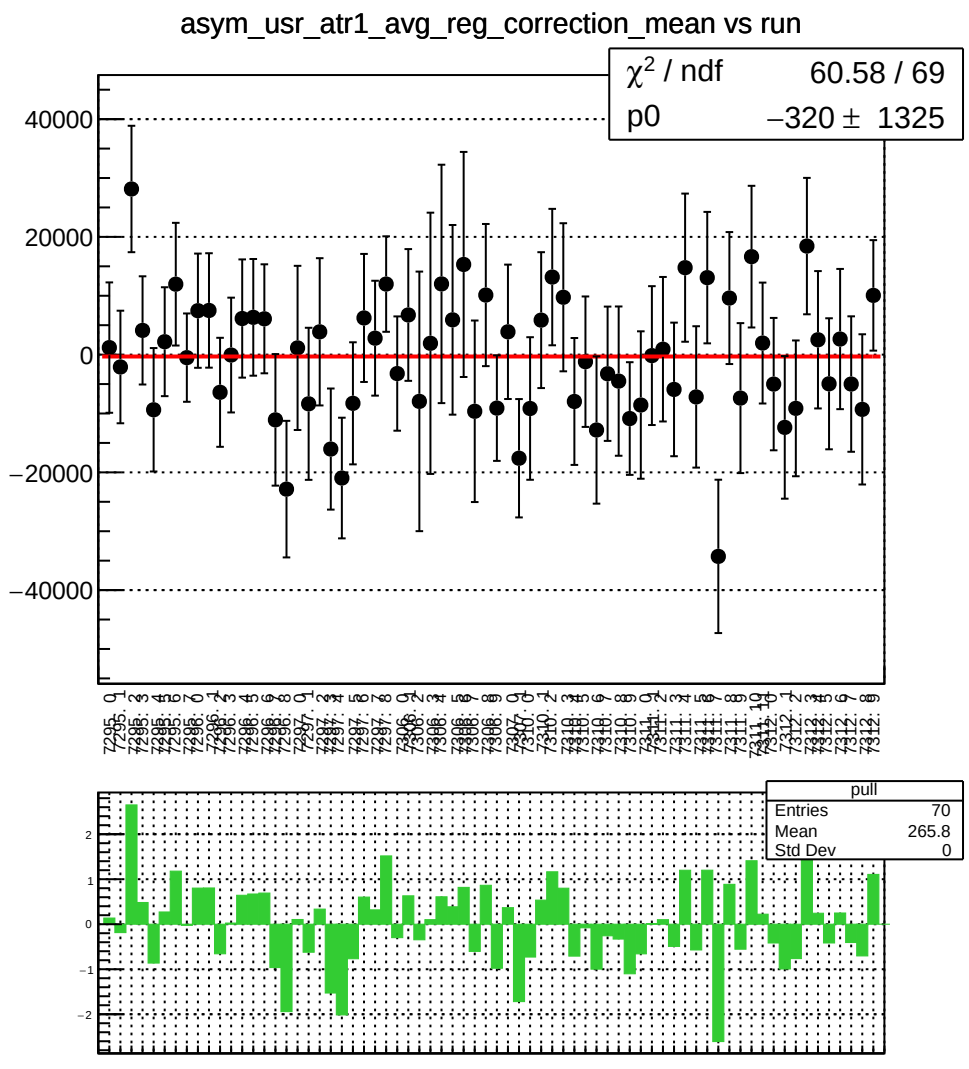

pull1D
Entries 70
Mean −0.1308
Std Dev 0.9012

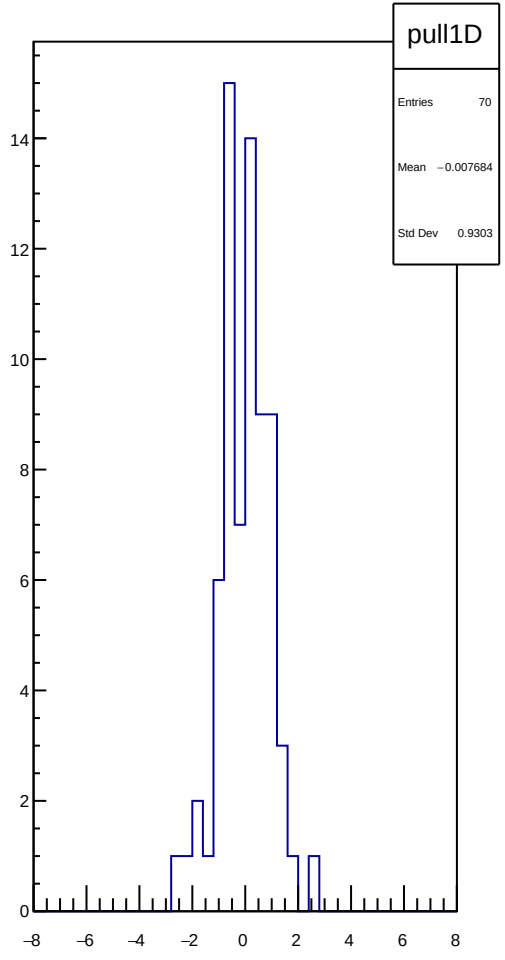

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.018e+05 / 69
p0 3.248e−11 ± 3.392e−14
0.25
0.2
0.15
0.1
0.05

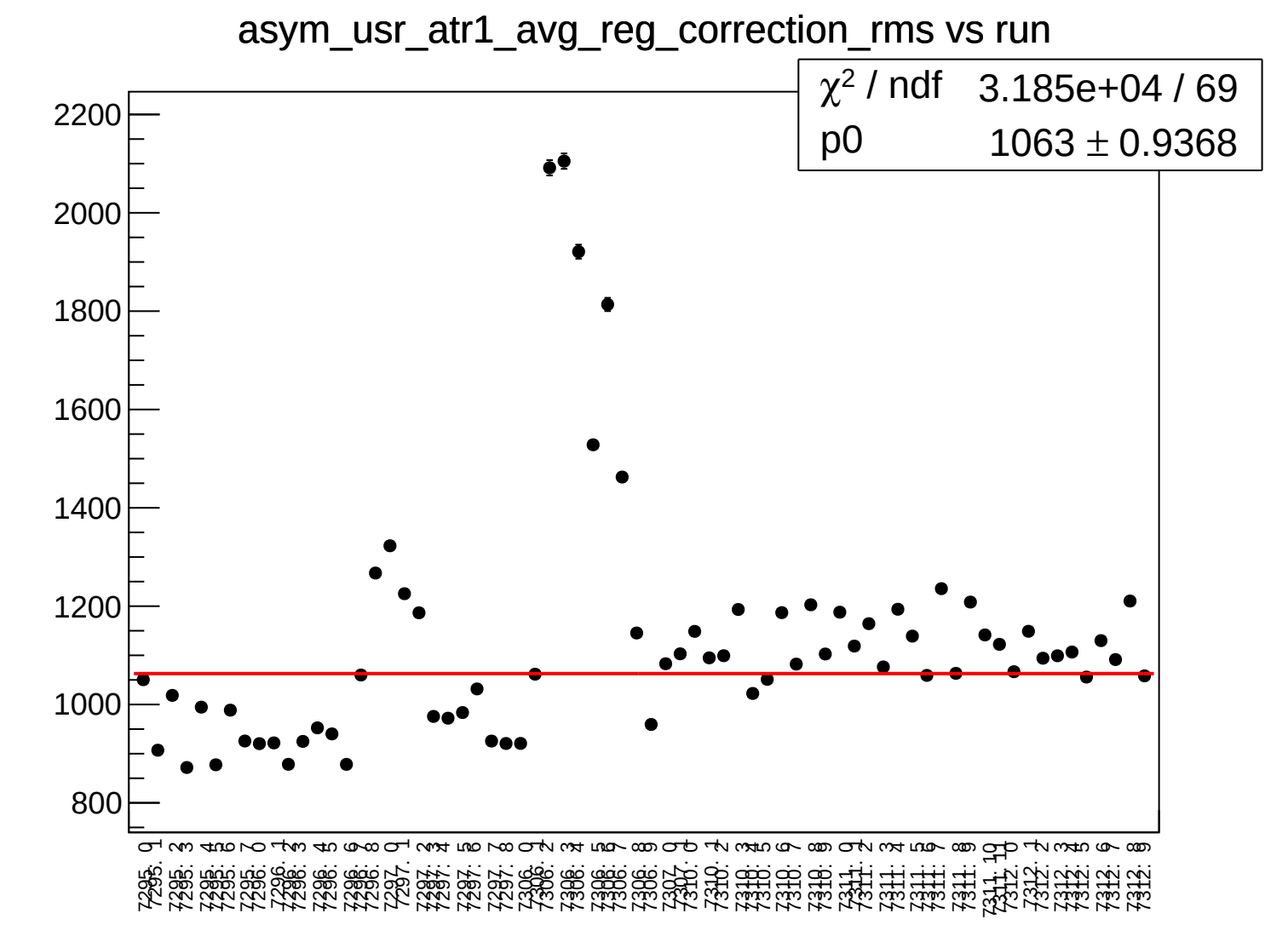

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 71.55 / 69
p0 −1272 ± 1996
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 75.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

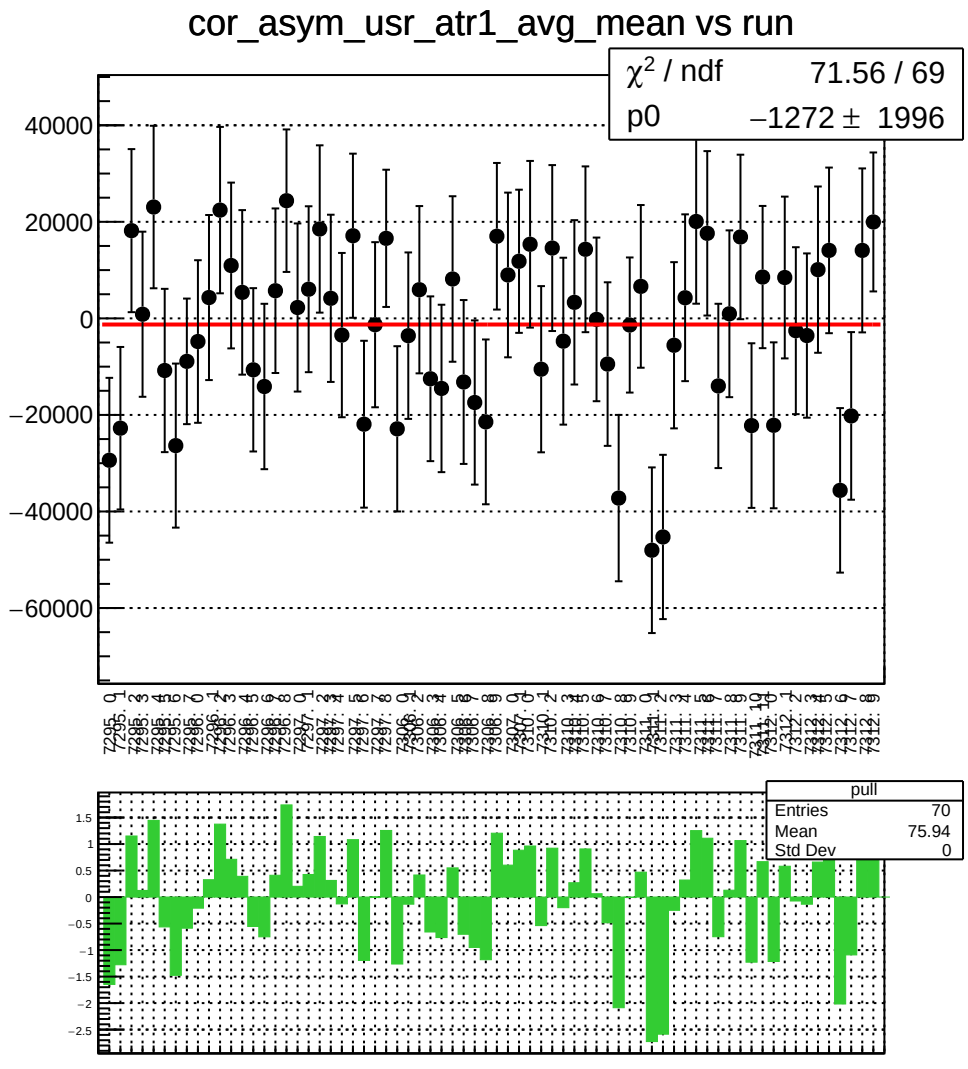

pull1D
Entries 70
Mean −0.01453
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

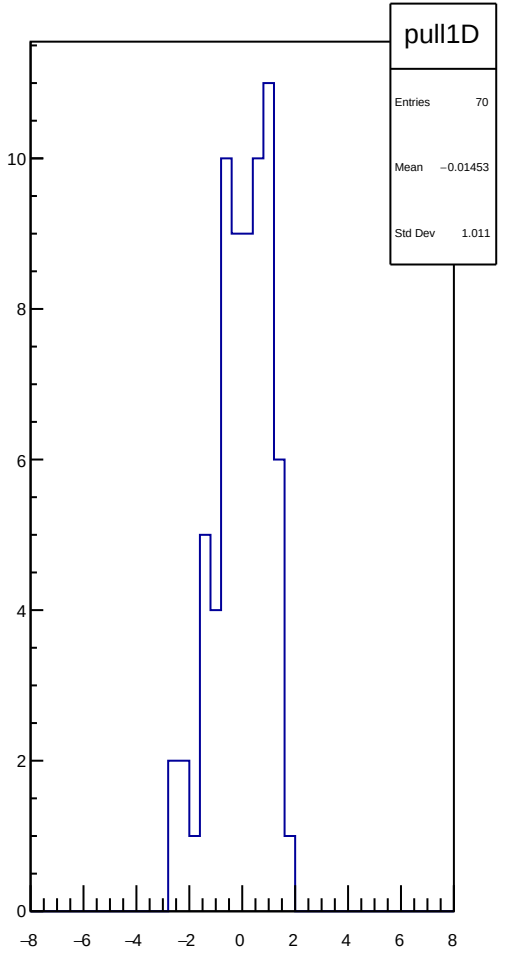

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 92.55 / 69
p0 1621 ± 1.412
1660
1640
1620
1600
1580

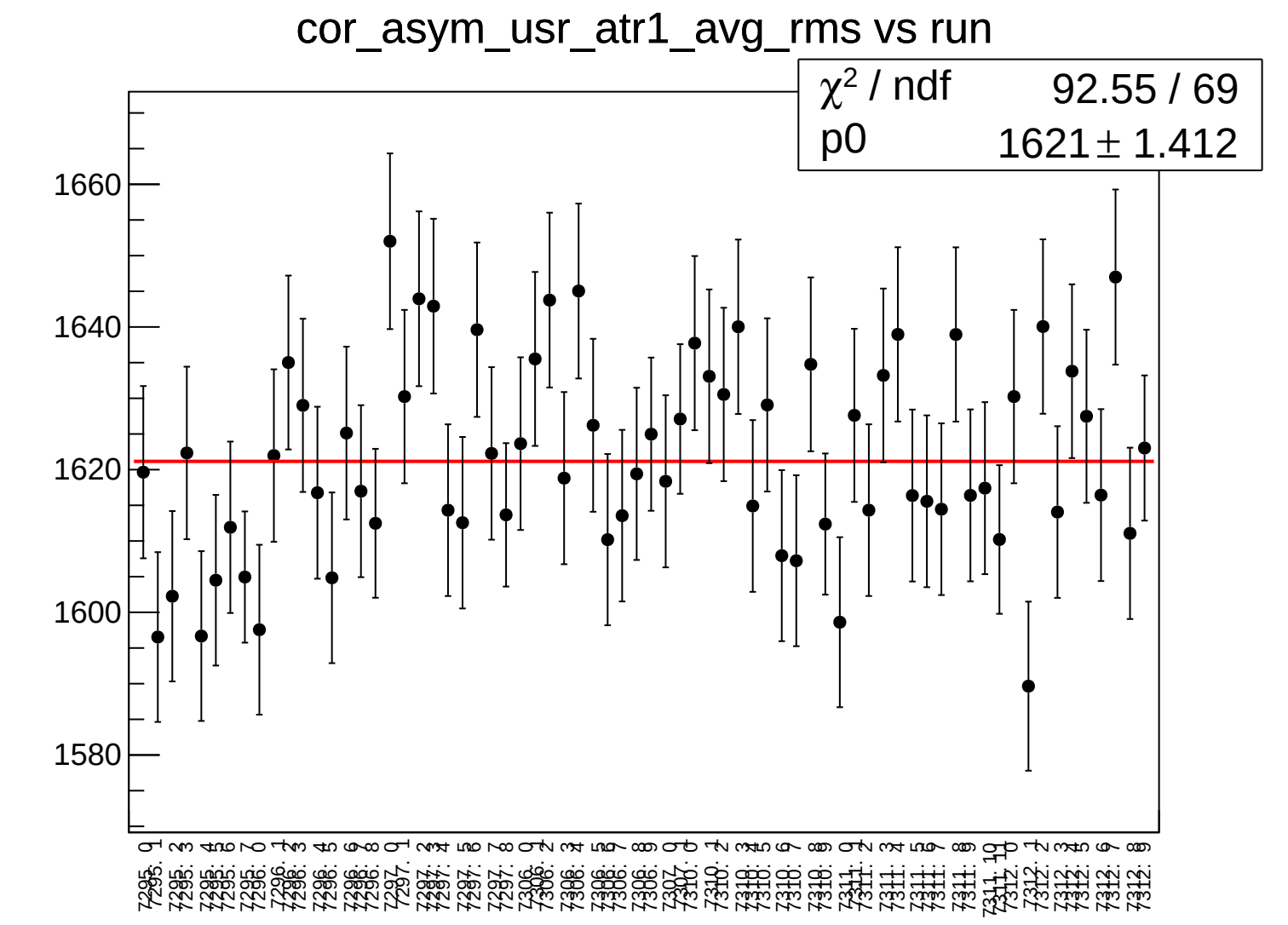

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 60.58 / 69
p0 −320 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 265.8
Std Dev 0
2
1
0
−1
−2

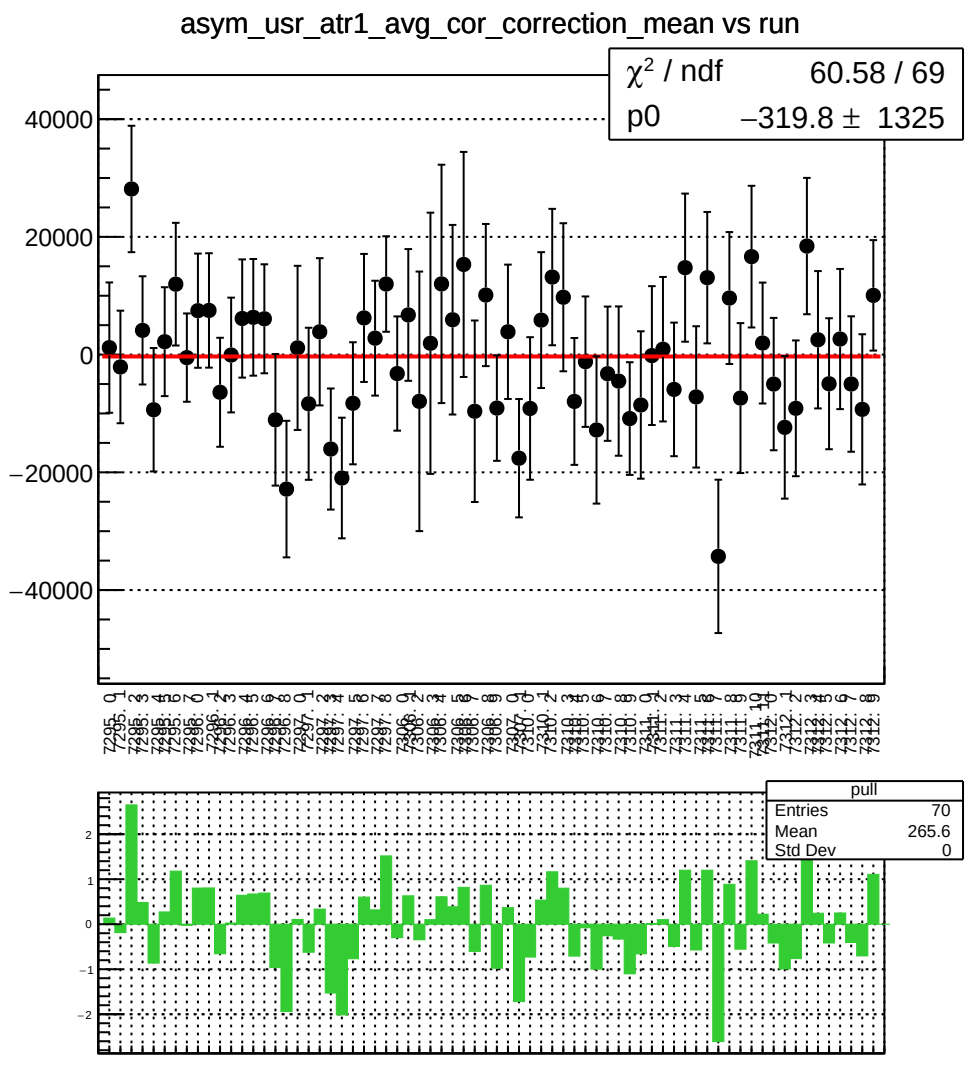

pull1D
Entries 70
Mean −0.007684
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

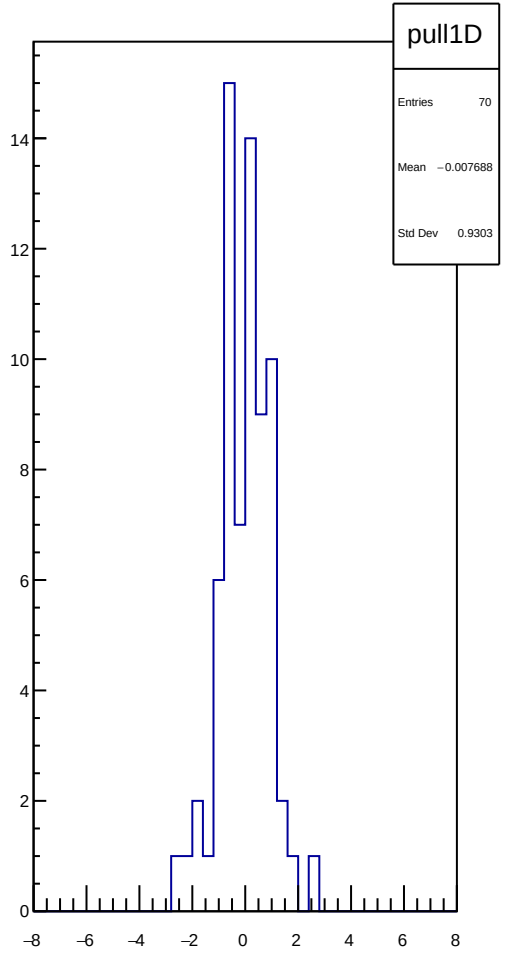

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3.185e+04 / 69
p0 1063 ± 0.9368
2200
2000
1800
1600
1400
1200
1000
800

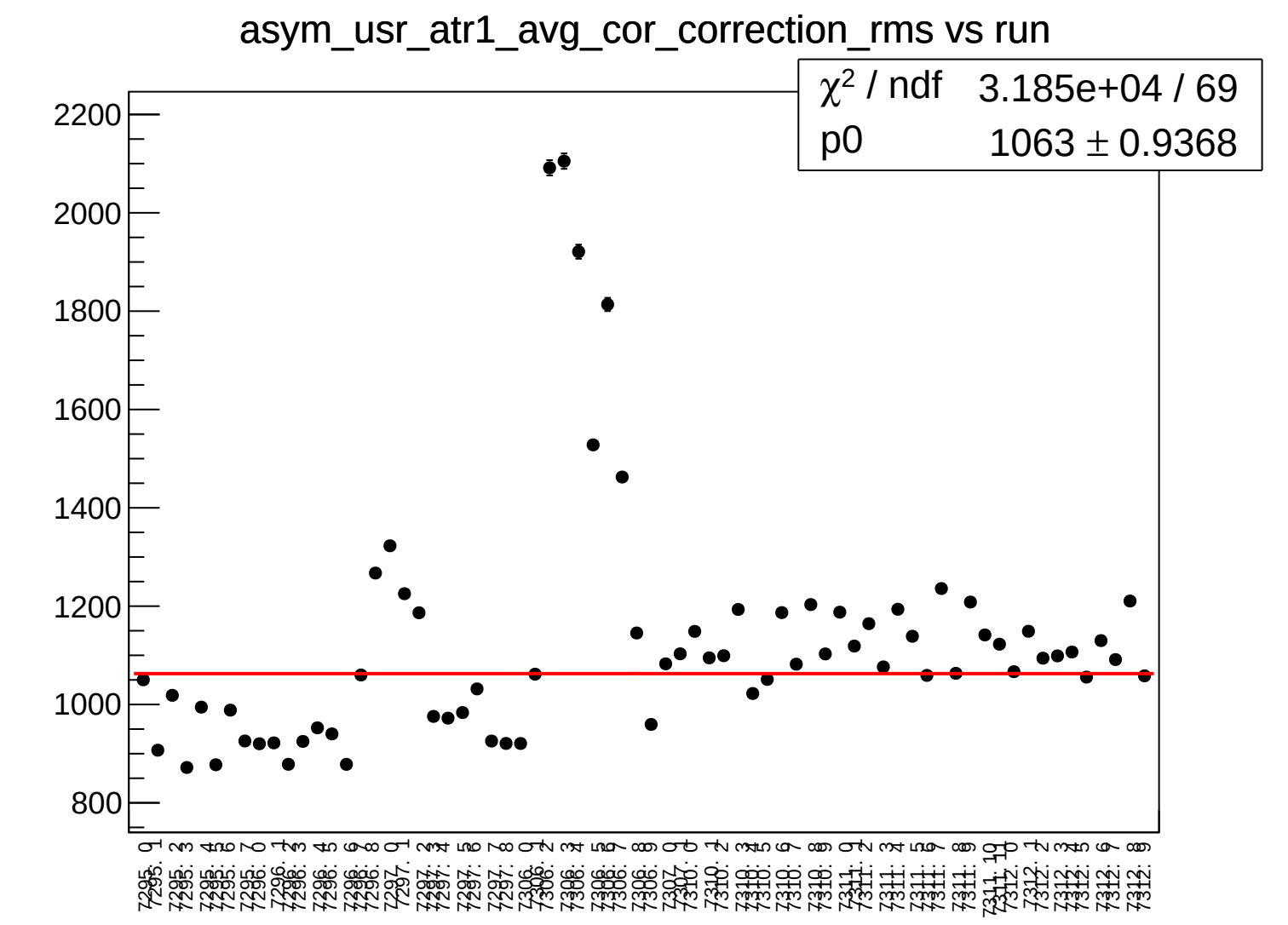

cor_asym_usr_atr1_avg_mean vs run
χ^2 / ndf 71.56 / 69
p0 −1272 ± 1996
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 75.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

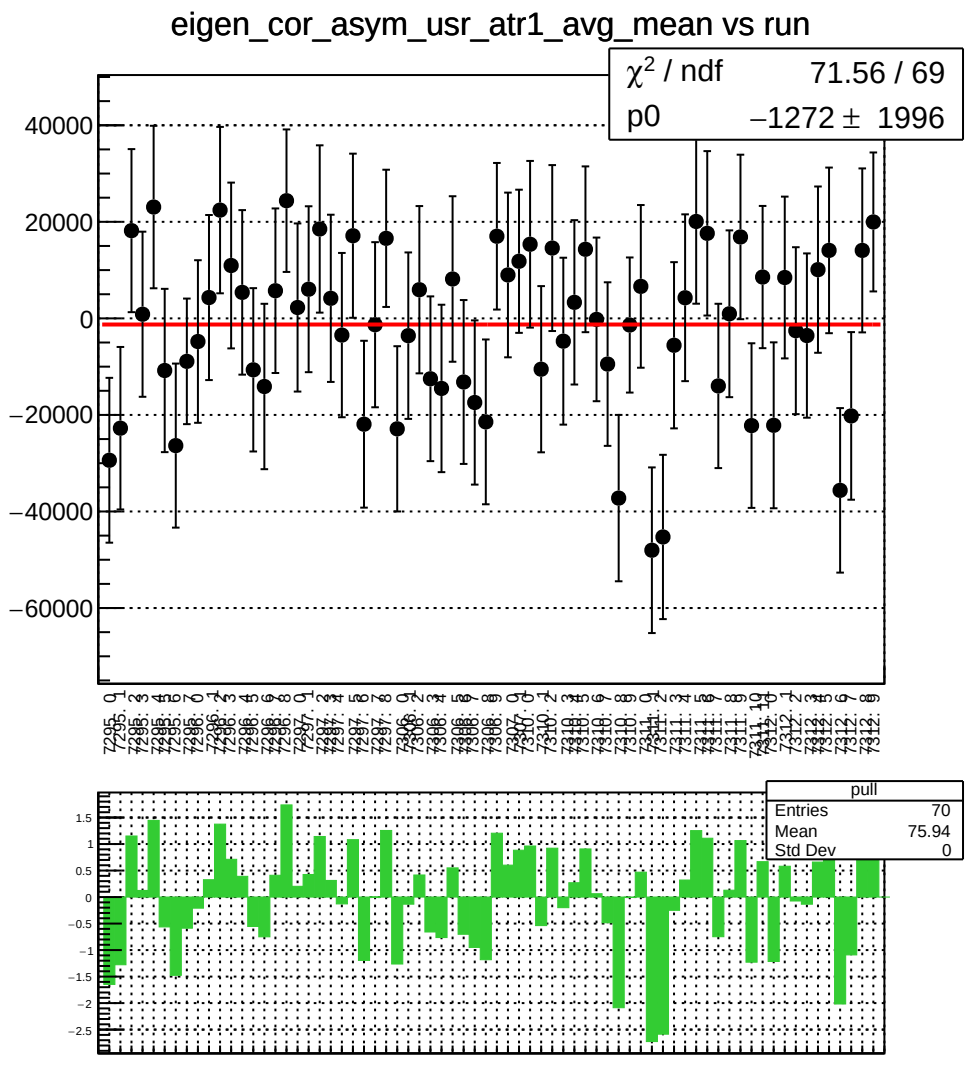

pull1D
Entries 70
Mean −0.01453
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

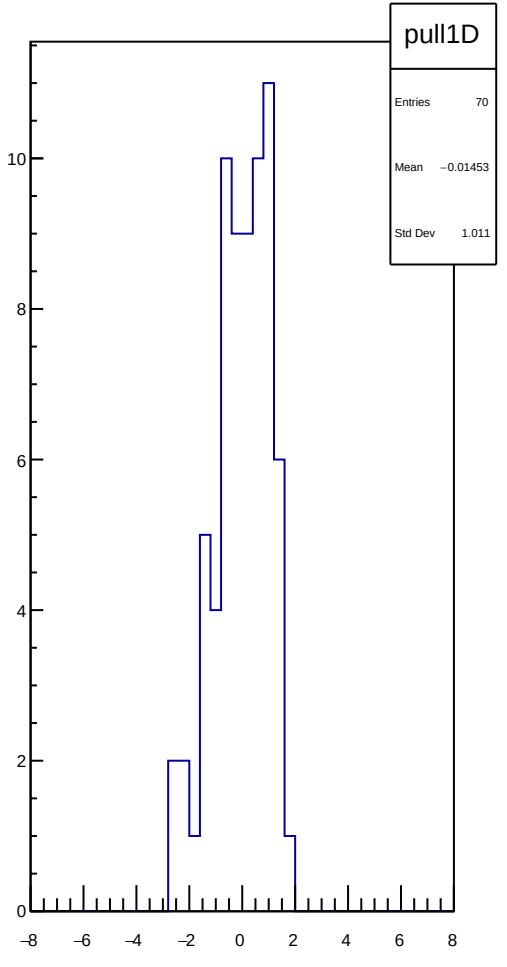

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 92.55 / 69
p0 1621 ± 1.412
1660
1640
1620
1600
1580

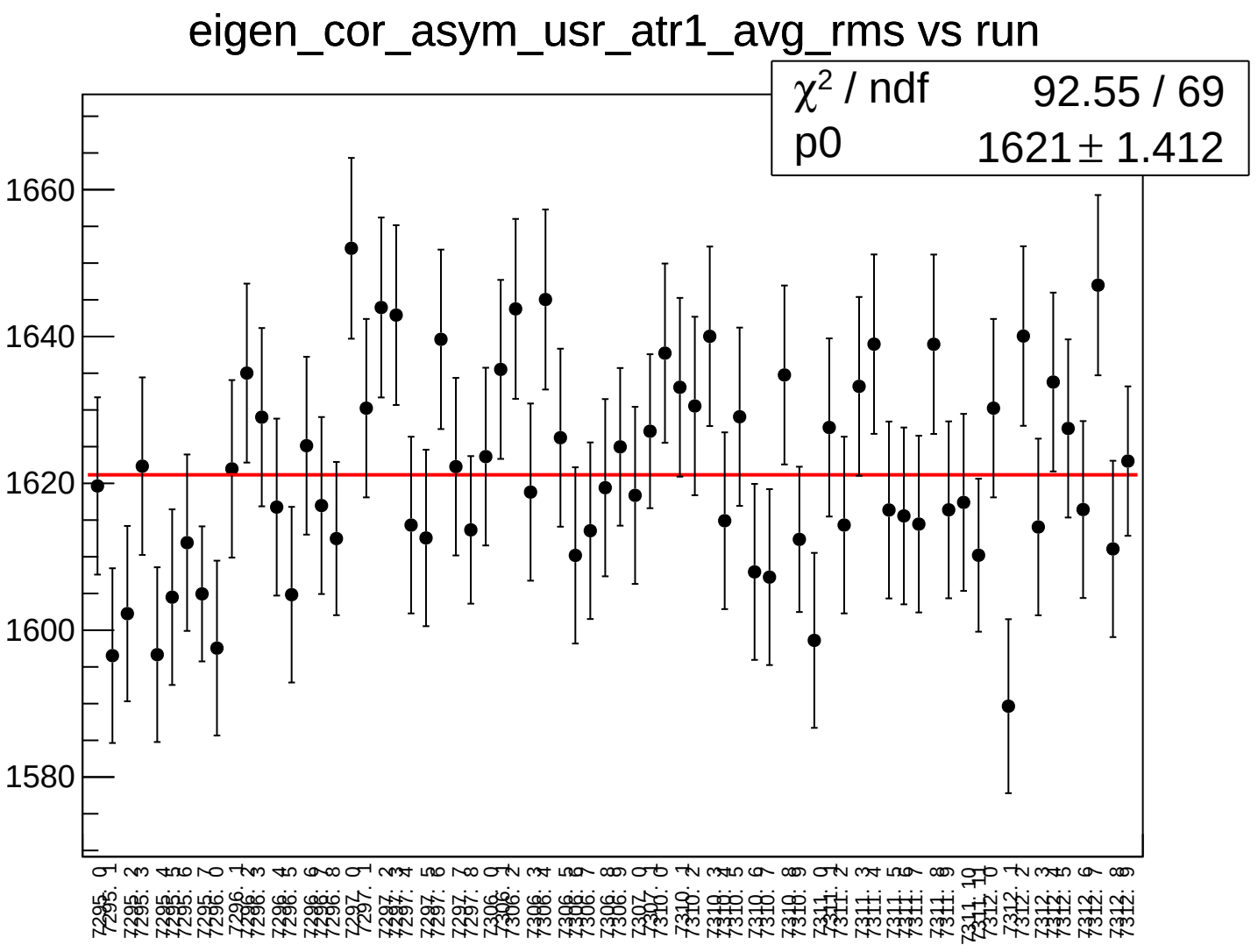

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 60.58 / 69
p0 −319.8 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 265.6
Std Dev 0
2
1
0
−1
−2

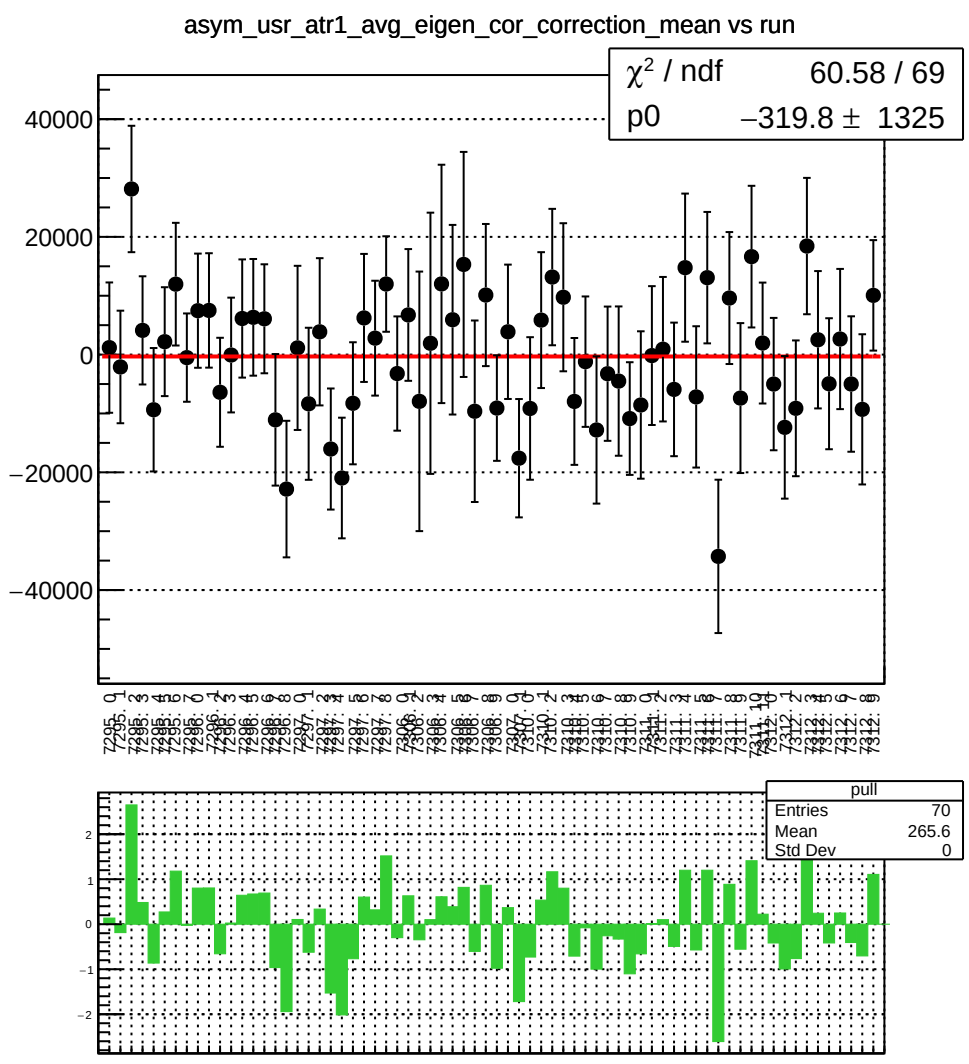

pull1D
Entries 70
Mean −0.007688
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

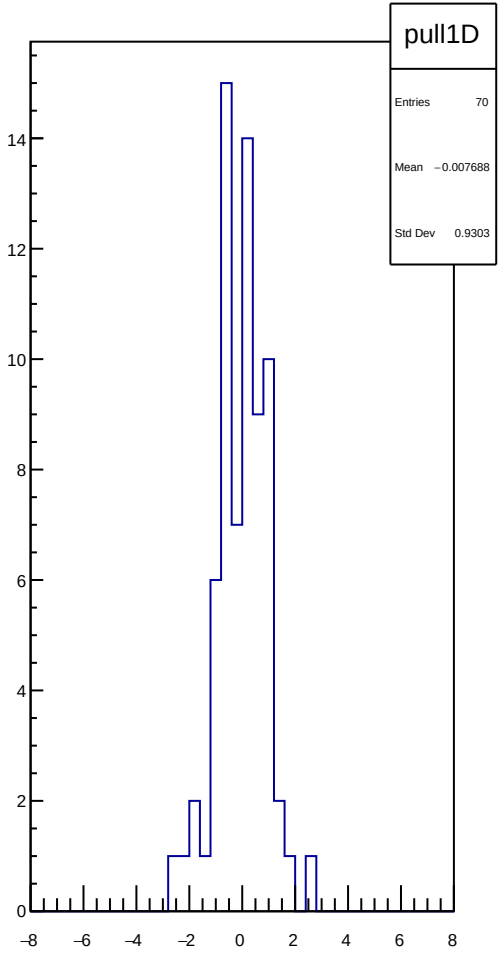

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3.185e+04 / 69
p0 1063 ± 0.9368
2200
2000
1800
1600
1400
1200
1000
800

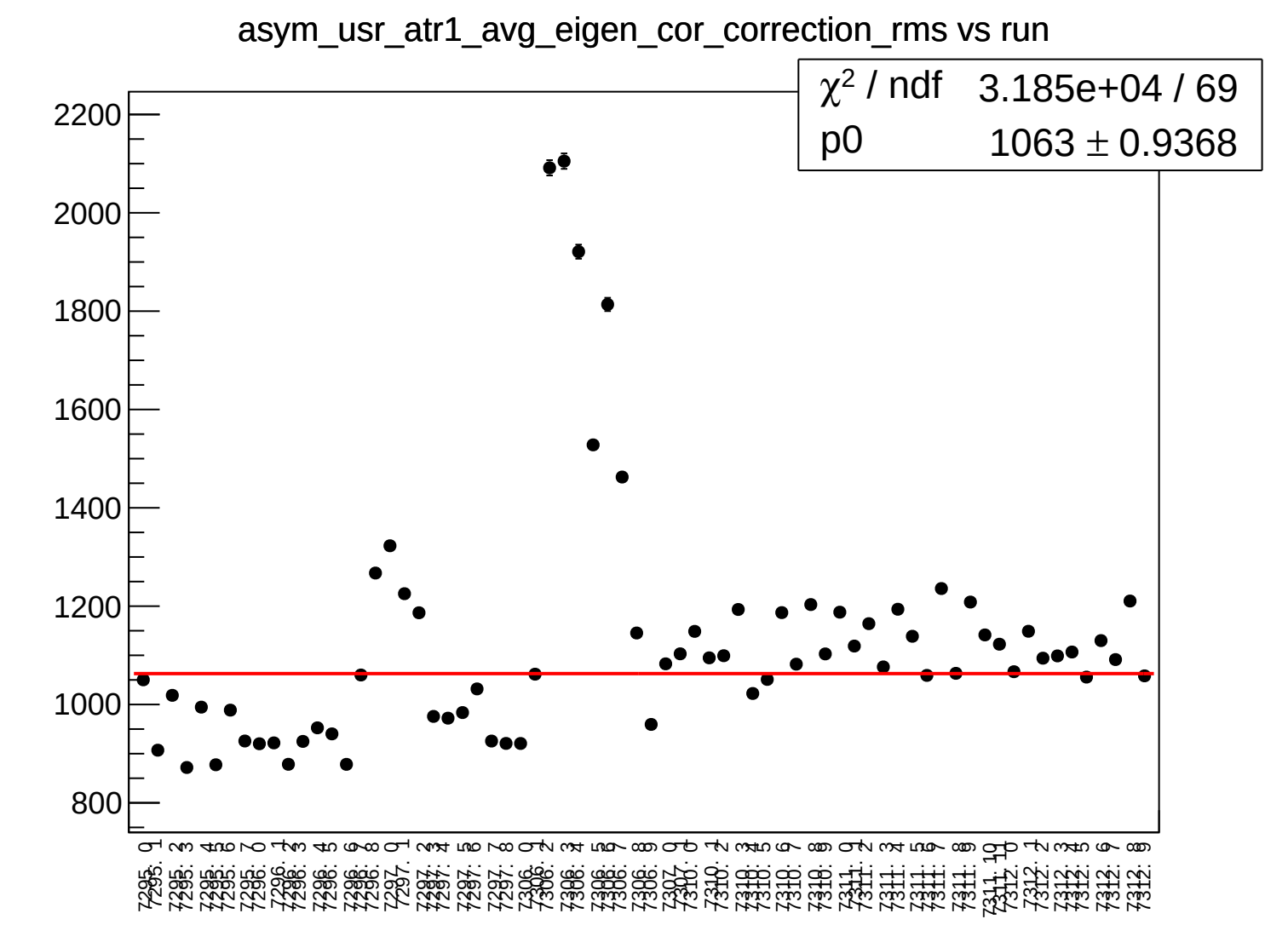

eigen_cor_asym_usr_atr1_avg_mean vs run
χ^2 / ndf 71.56 / 69
p0 −1272 ± 1996
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 75.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

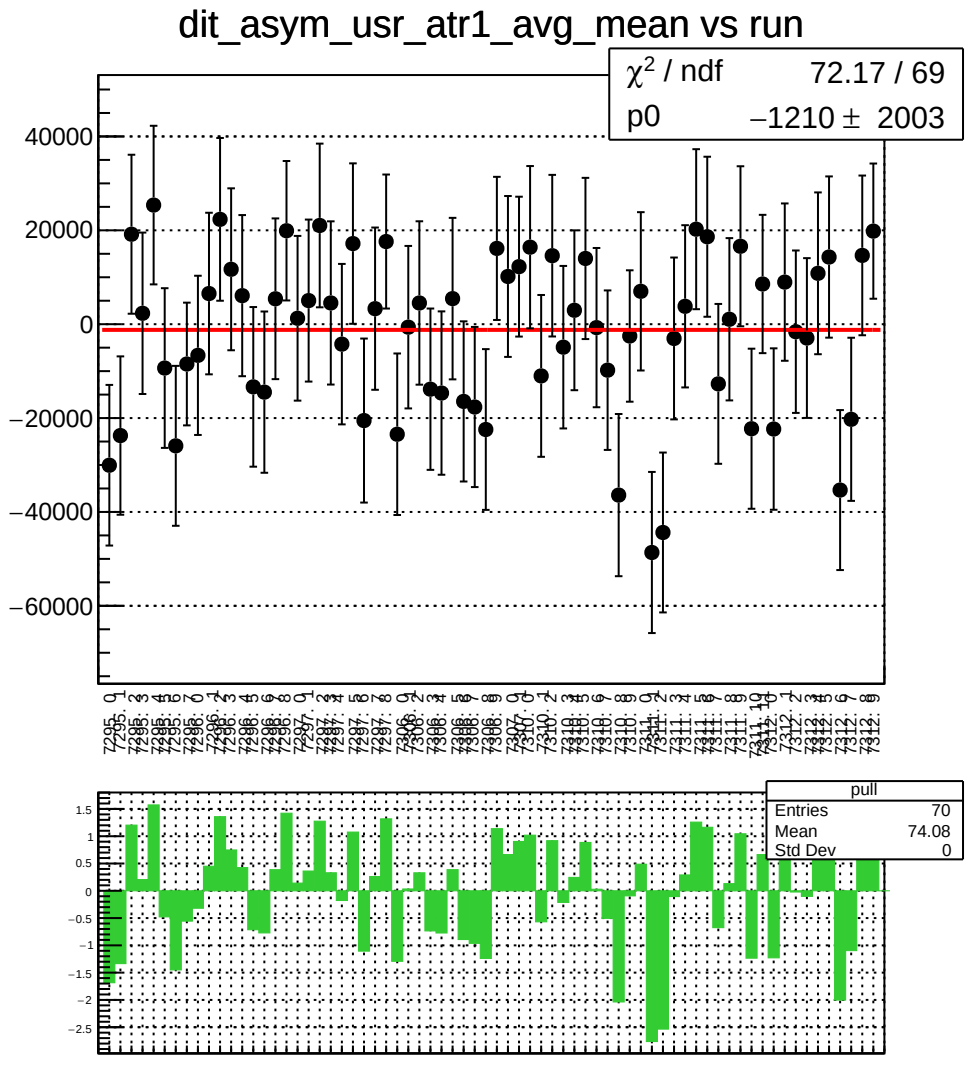

pull1D
Entries 70
Mean −0.01453
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

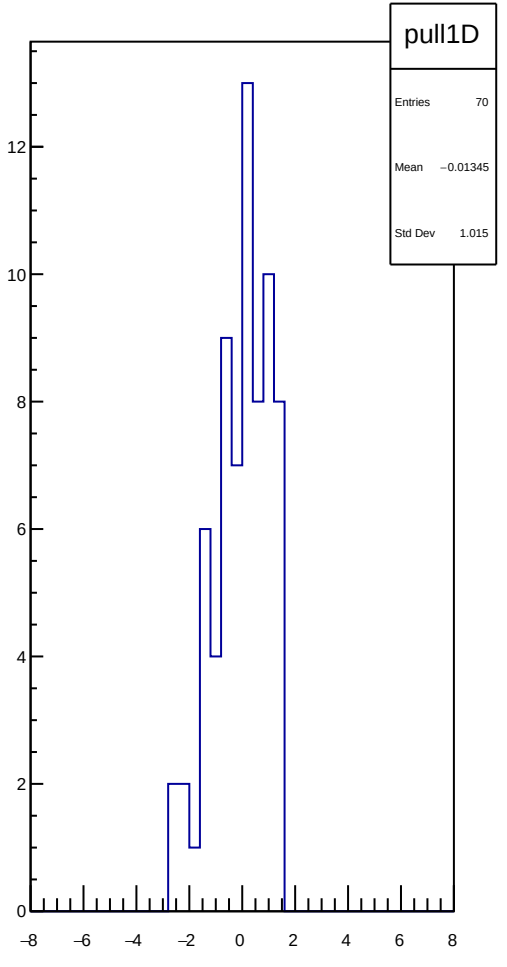

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 92.55 / 69
p0 1621 ± 1.412
1660
1640
1620
1600
1580

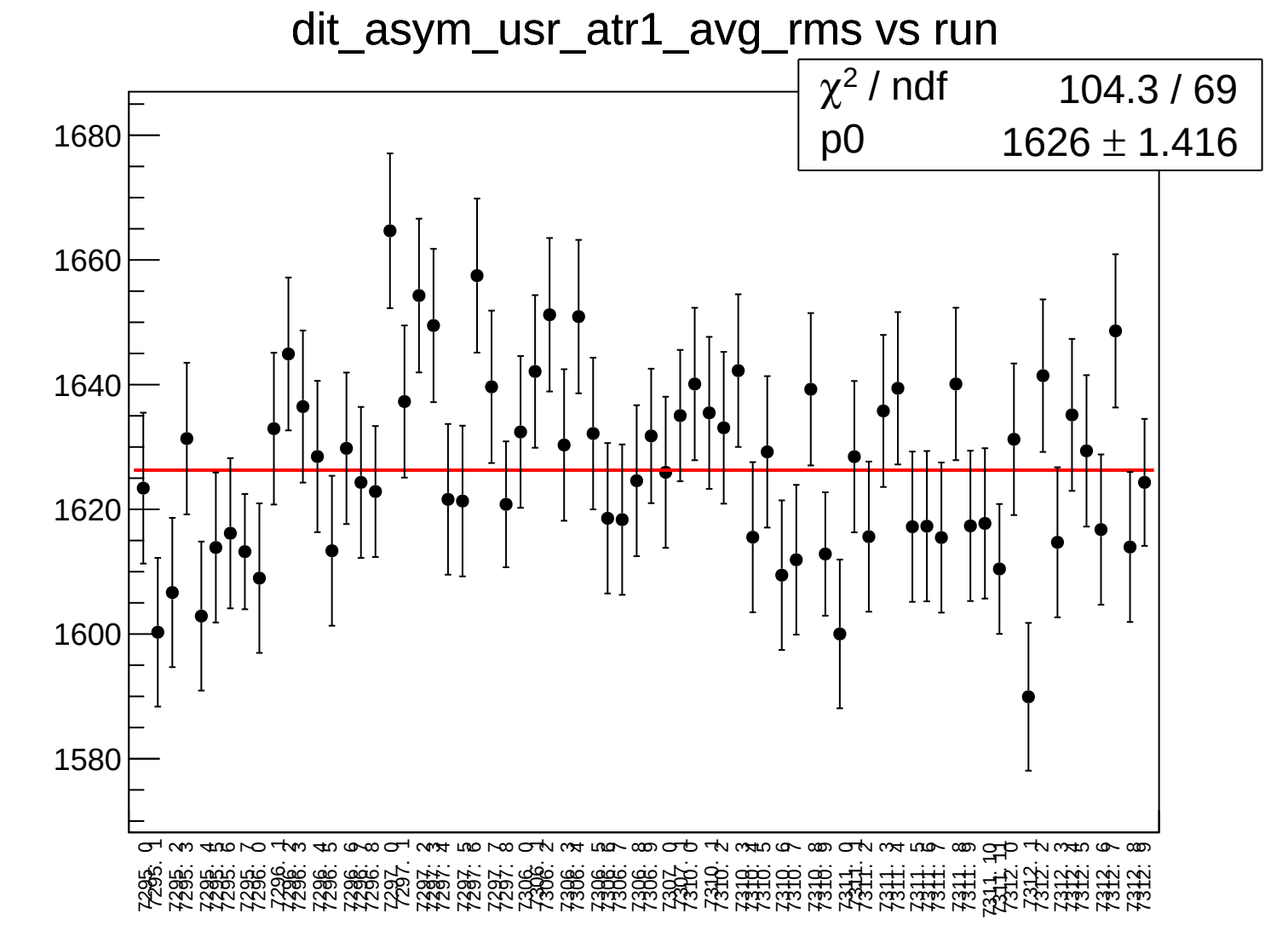

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 60.58 / 69
p0 −319.8 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 265.6
Std Dev 0
2
1
0
−1
−2

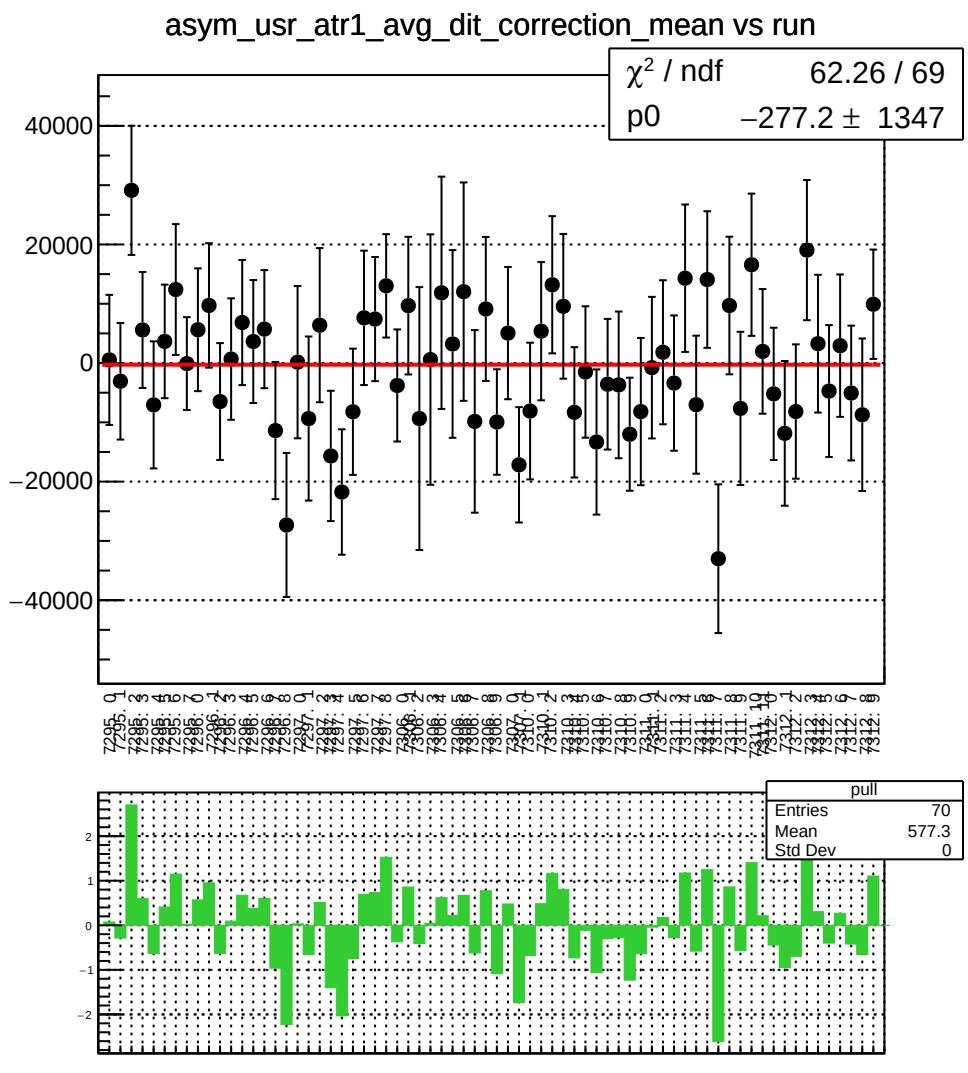

pull1D
Entries 70
Mean −0.007688
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

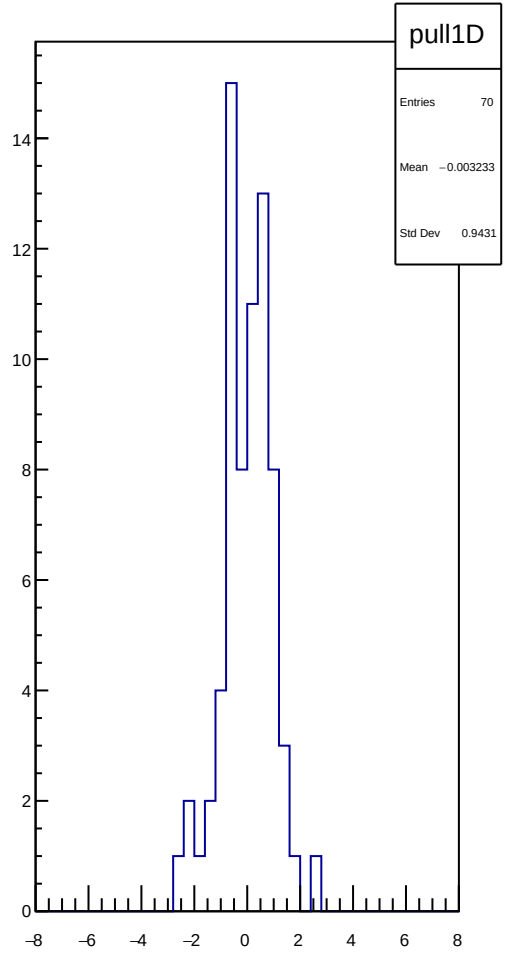

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.185e+04 / 69
p0 1063 ± 0.9368
2200
2000
1800
1600
1400
1200
1000
800

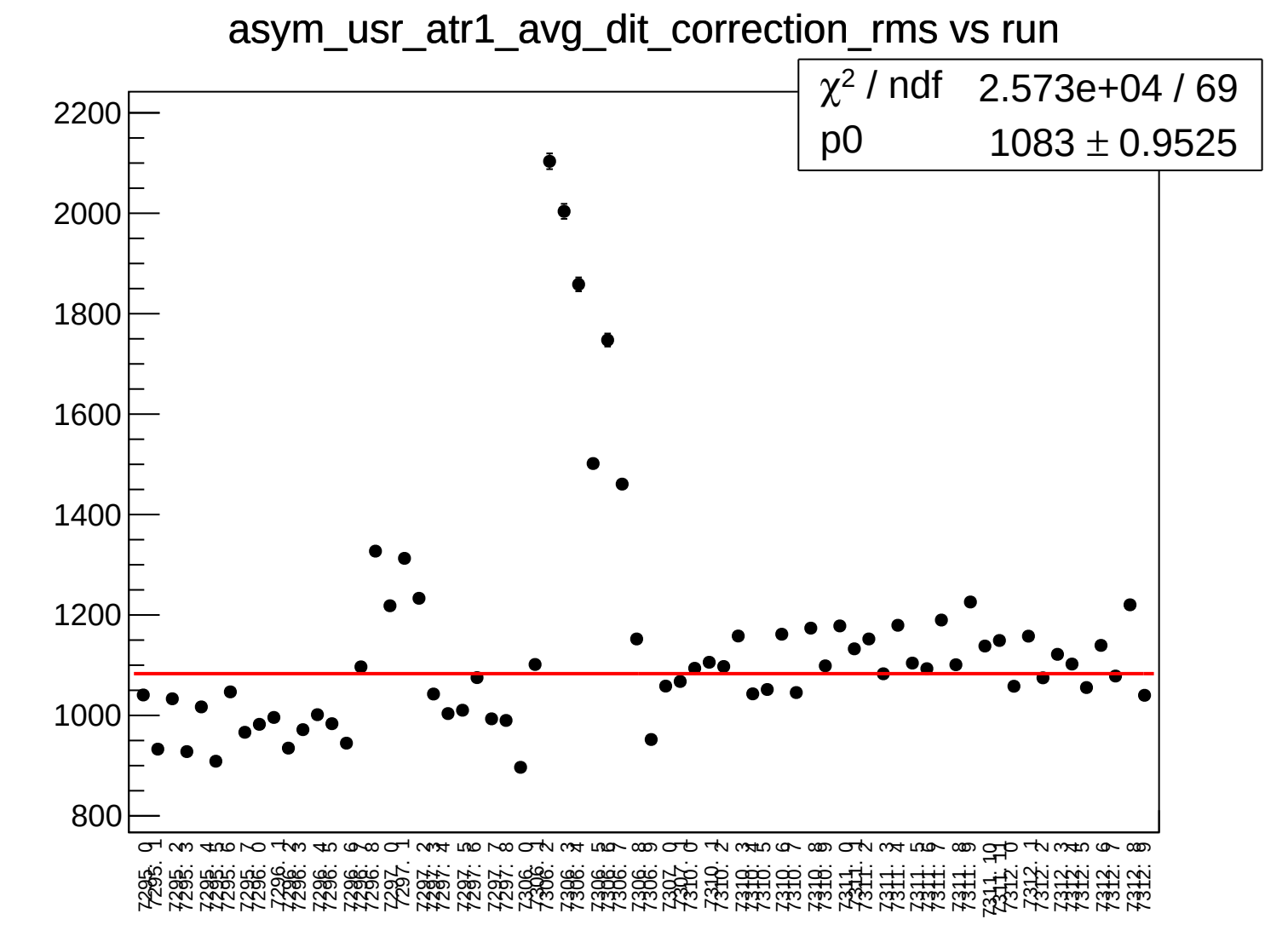

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.17 / 69
p0 −1210 ± 2003
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 74.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

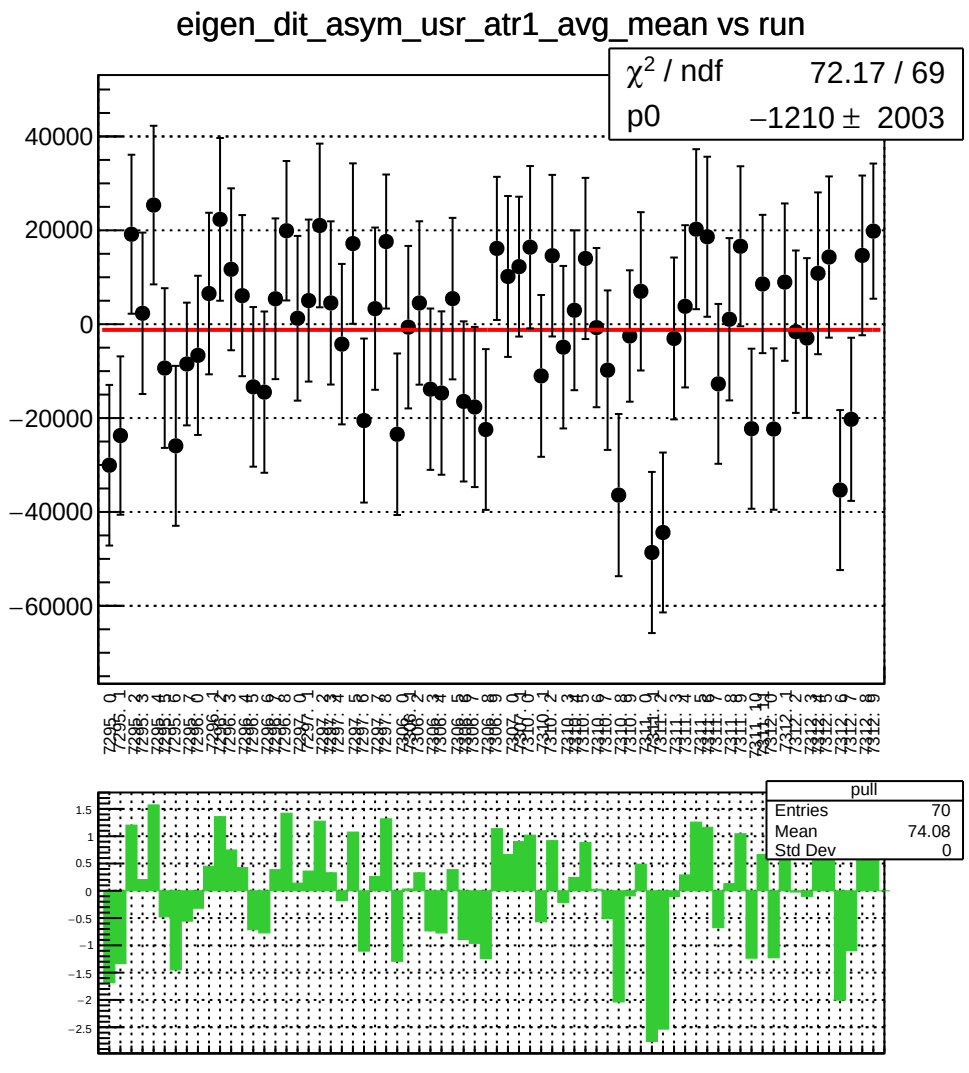

pull1D
Entries 70
Mean −0.01345
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

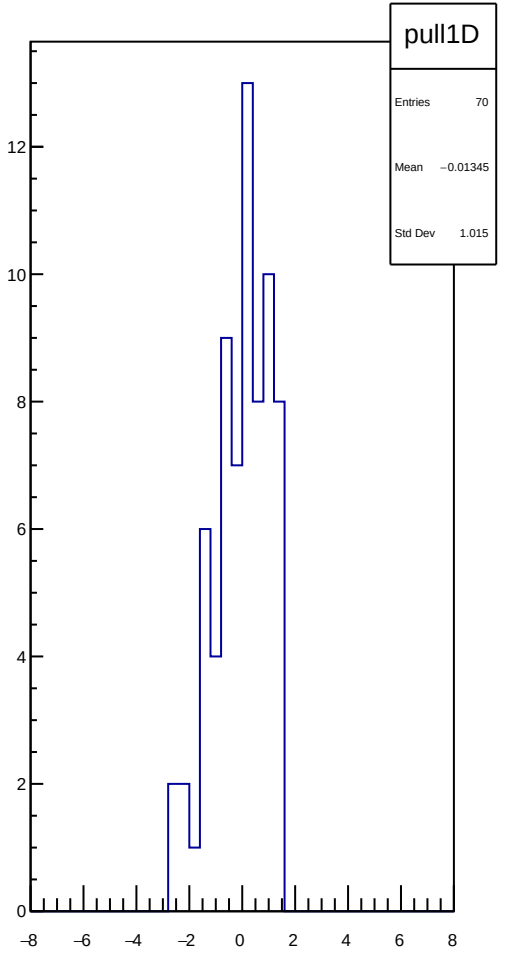

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 104.3 / 69
p0 1626 ± 1.416
1680
1660
1640
1620
1600
1580

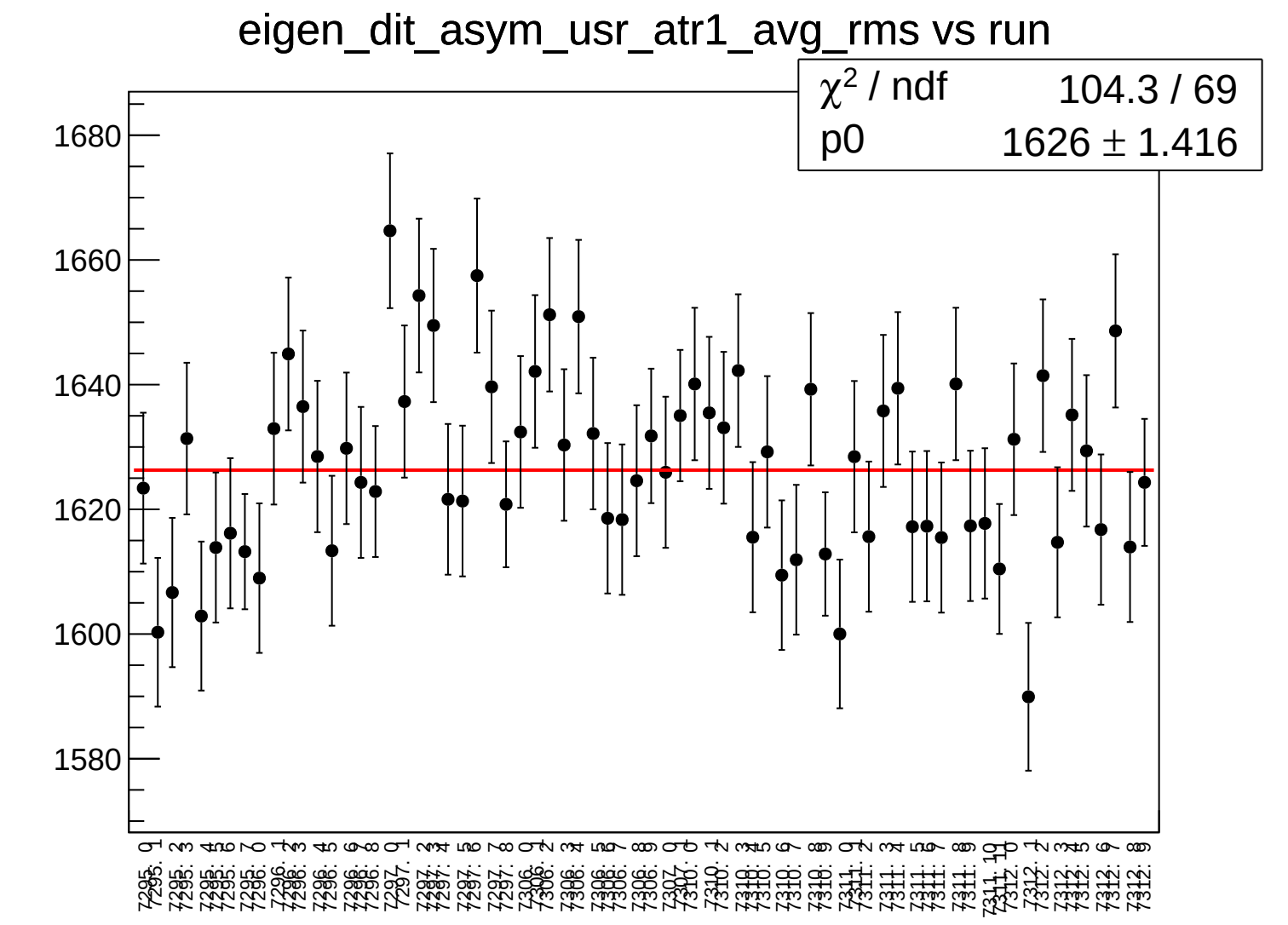

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 62.26 / 69
p0 −277.2 ± 1347
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 577.3
Std Dev 0
2
1
0
−1
−2

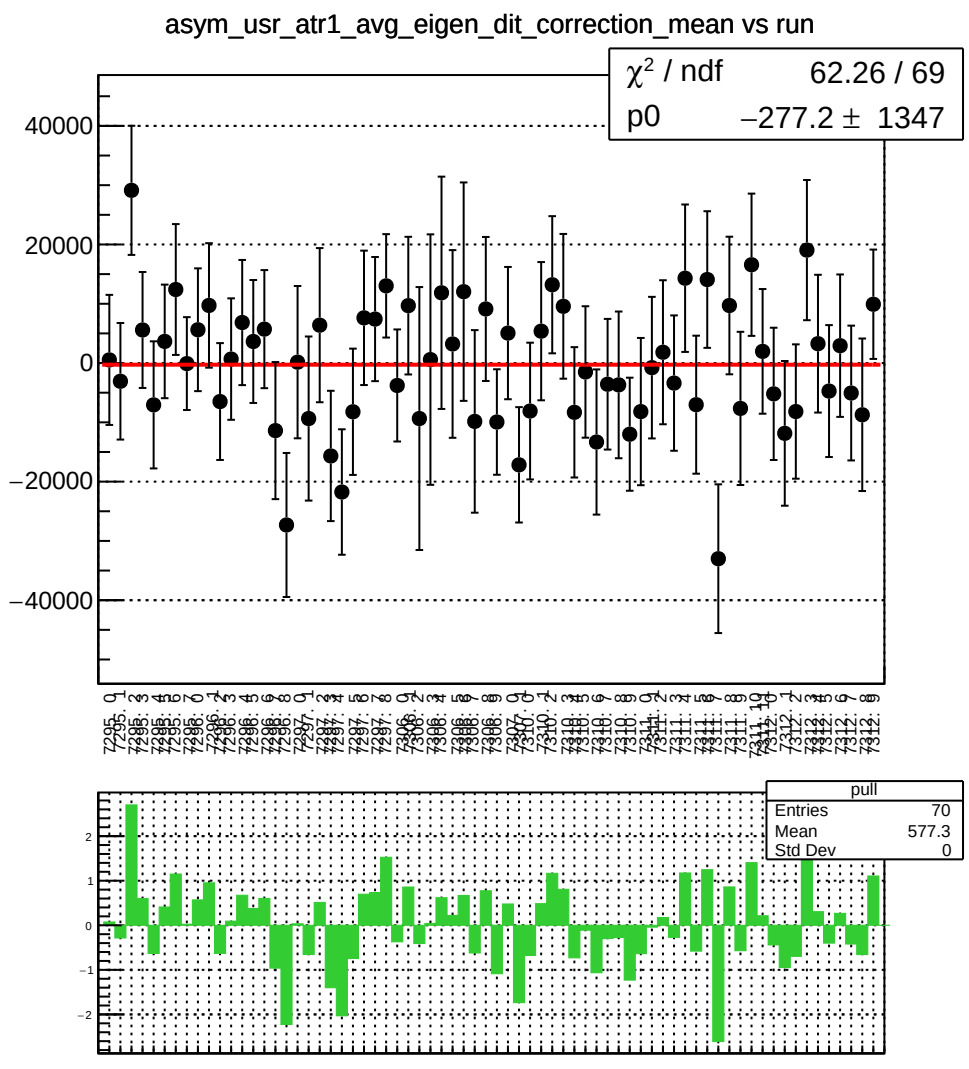

pull1D
Entries 70
Mean −0.003233
Std Dev 0.9431
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

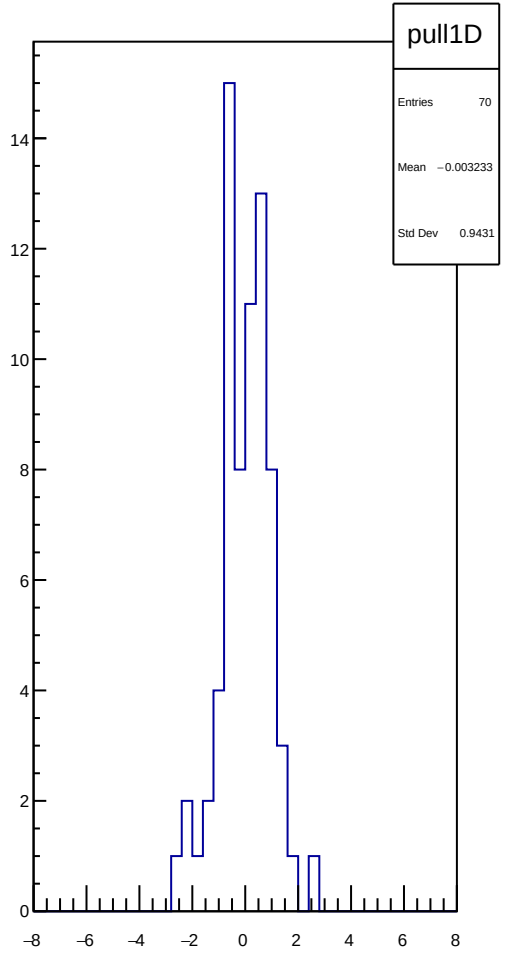

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 2.573e+04 / 69
p0 1083 ± 0.9525
2200
2000
1800
1600
1400
1200
1000
800

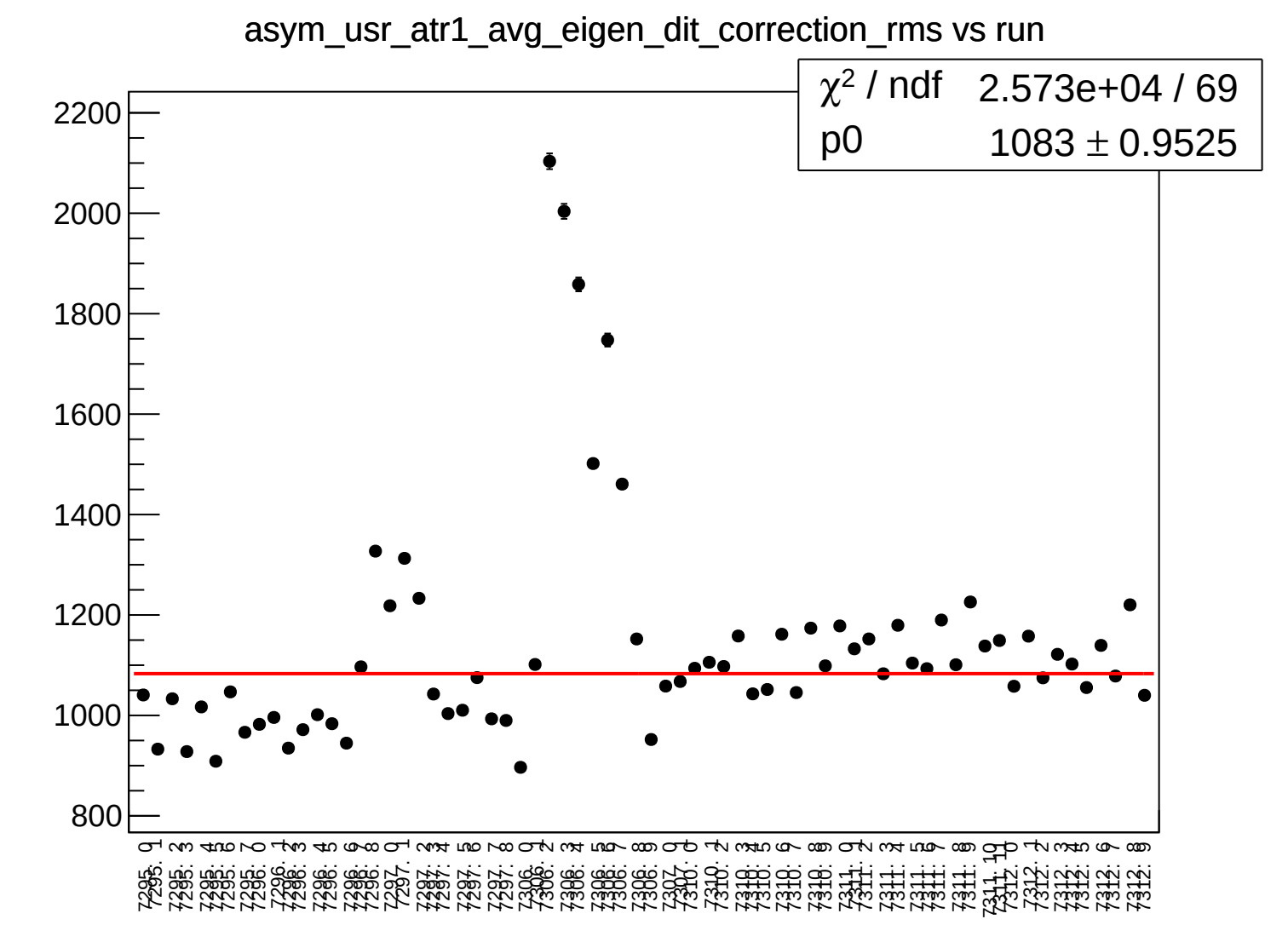

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 72.17 / 69
p0 −1210 ± 2003
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 74.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

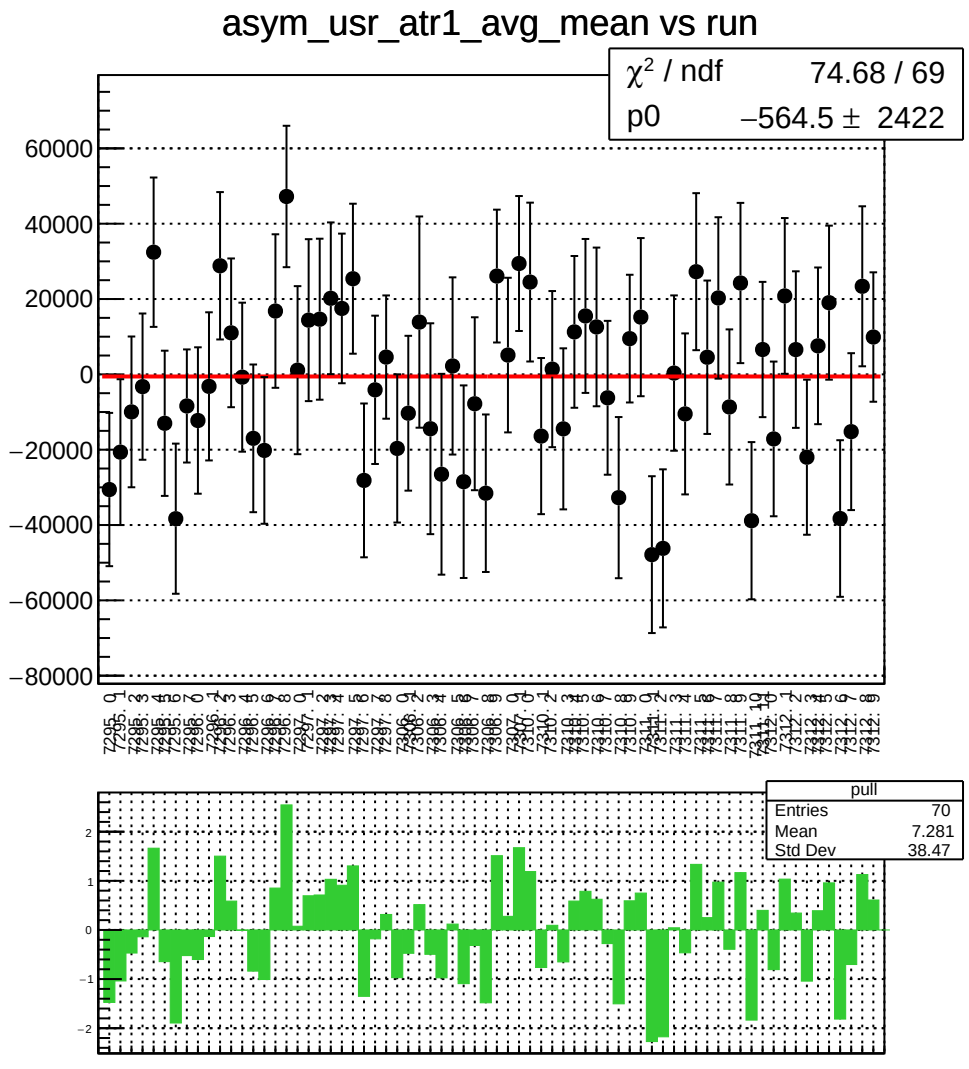

pull1D
Entries 70
Mean −0.01345
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

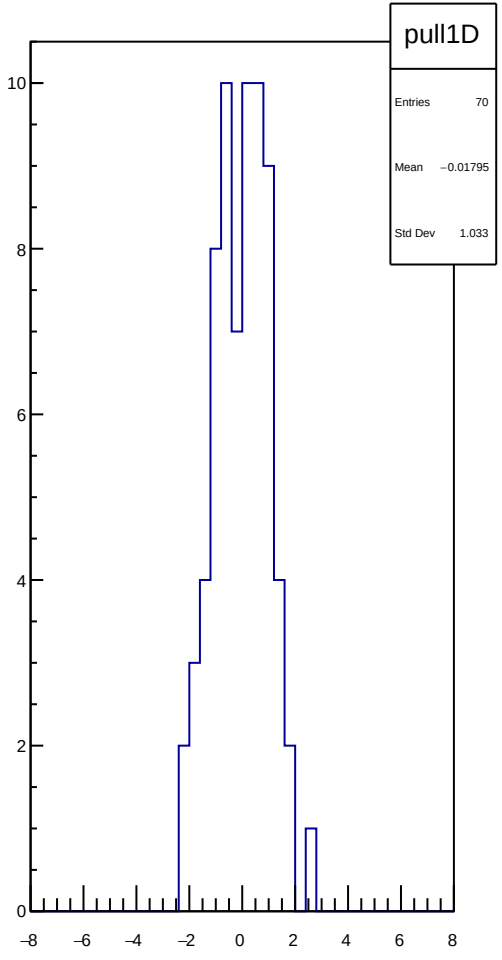

eigen_dit_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 104.3 / 69
p0 1626 ± 1.416
1680
1660
1640
1620
1600
1580

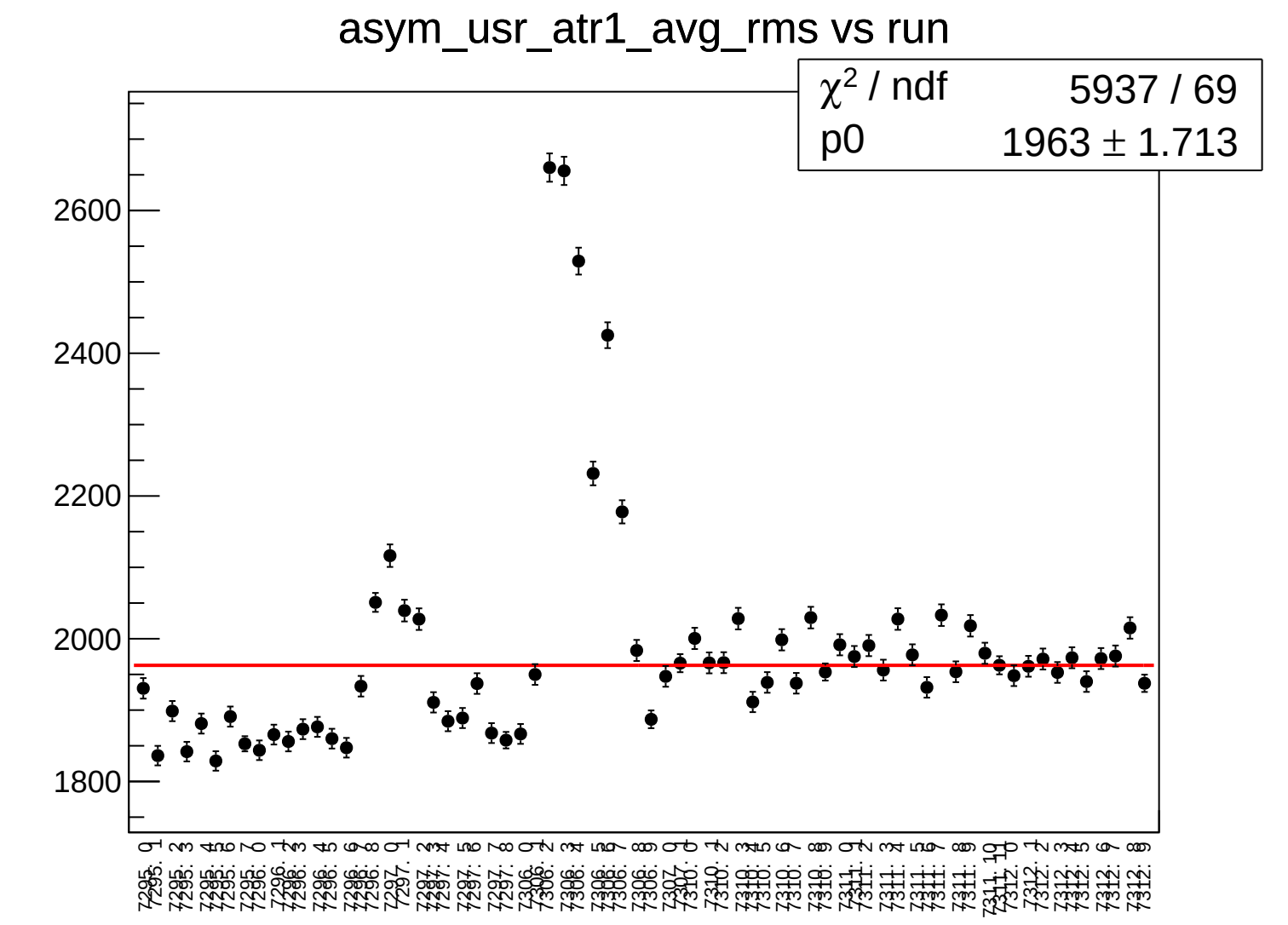

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.26 / 69
p0 −277.2 ± 1347
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 577.3
Std Dev 0
2
1
0
−1
−2

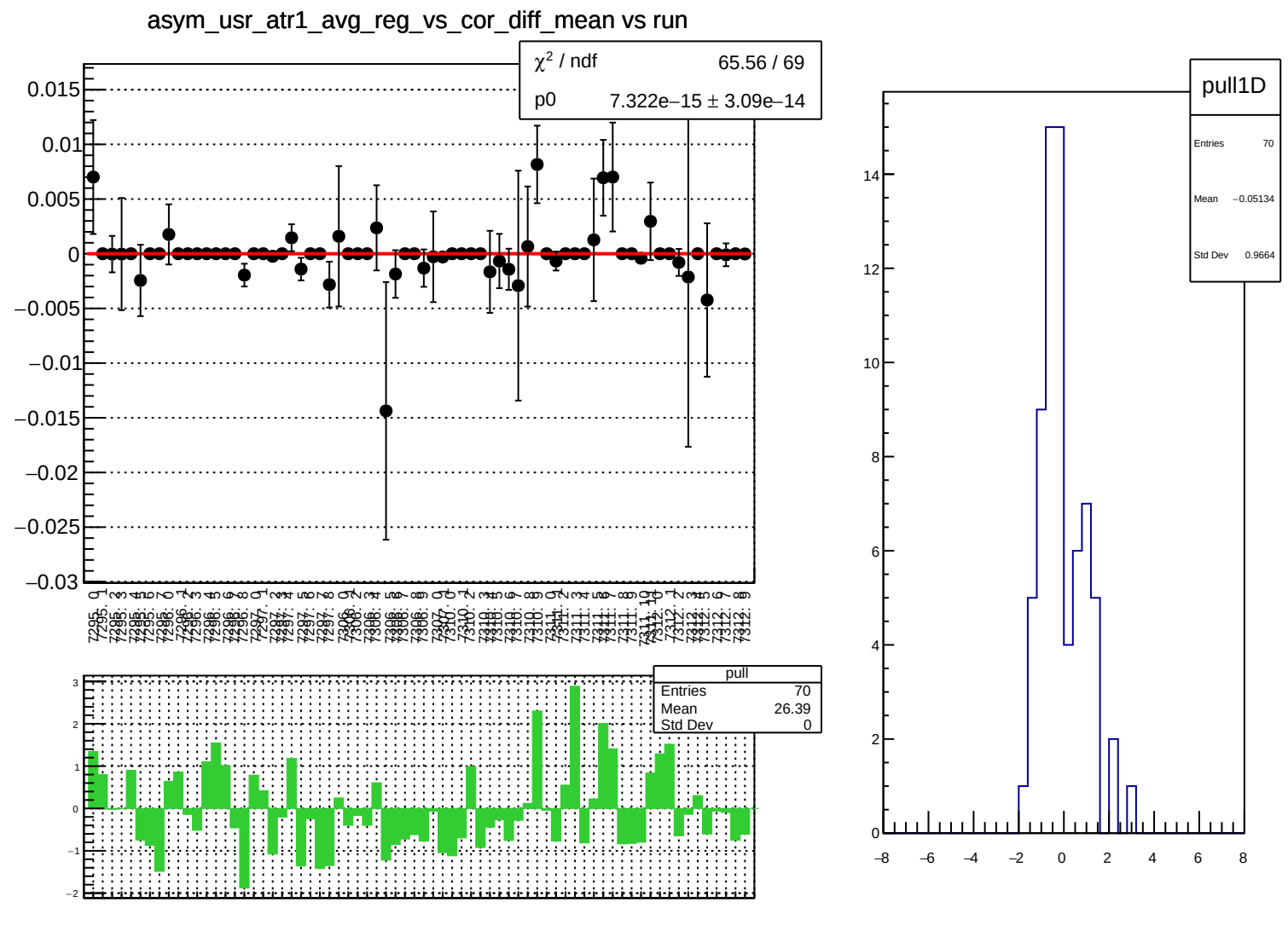

pull1D
Entries 70
Mean −0.003233
Std Dev 0.9431
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

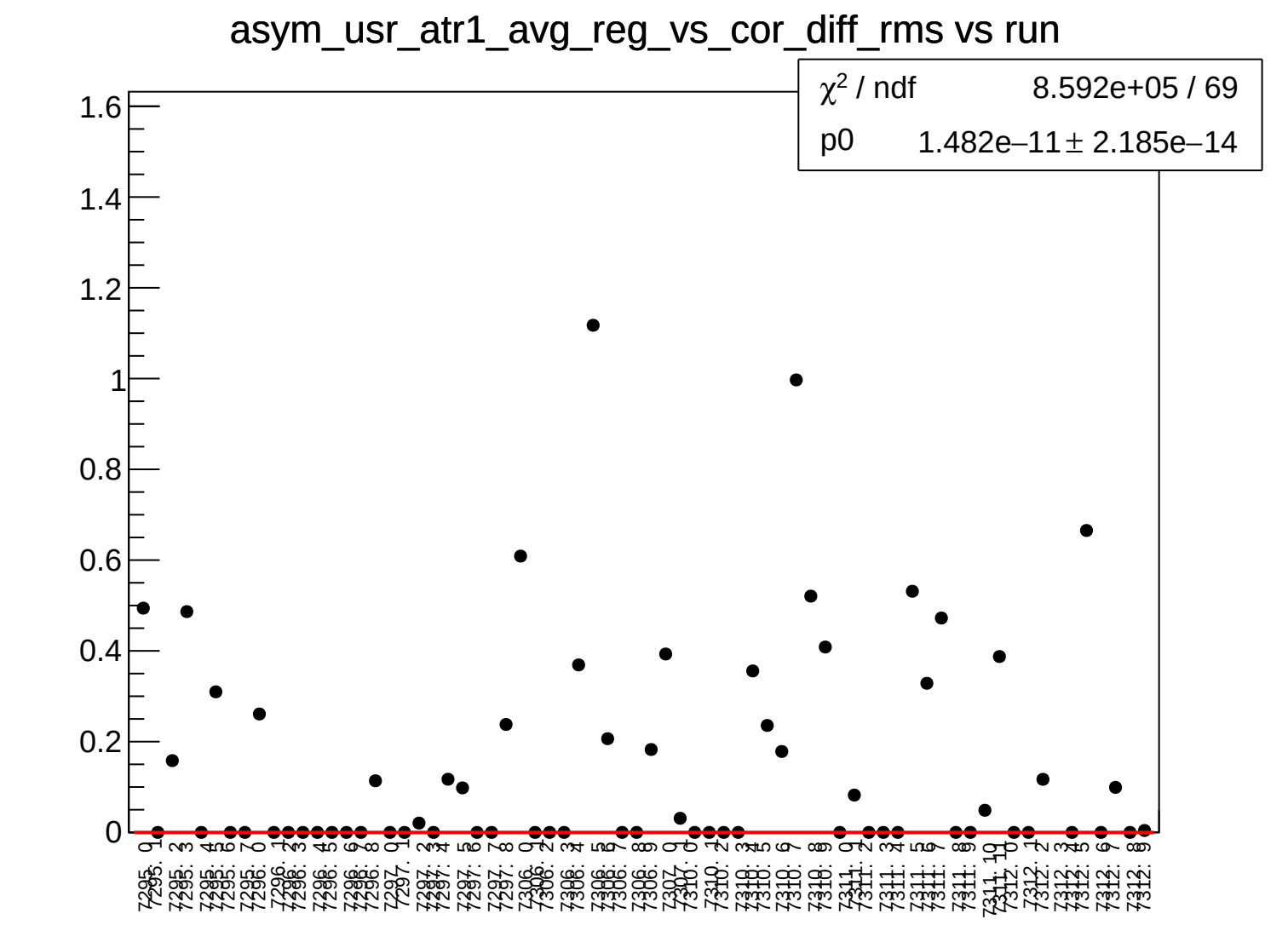

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.573e+04 / 69
p0 1083 ± 0.9525
2200
2000
1800
1600
1400
1200
1000
800

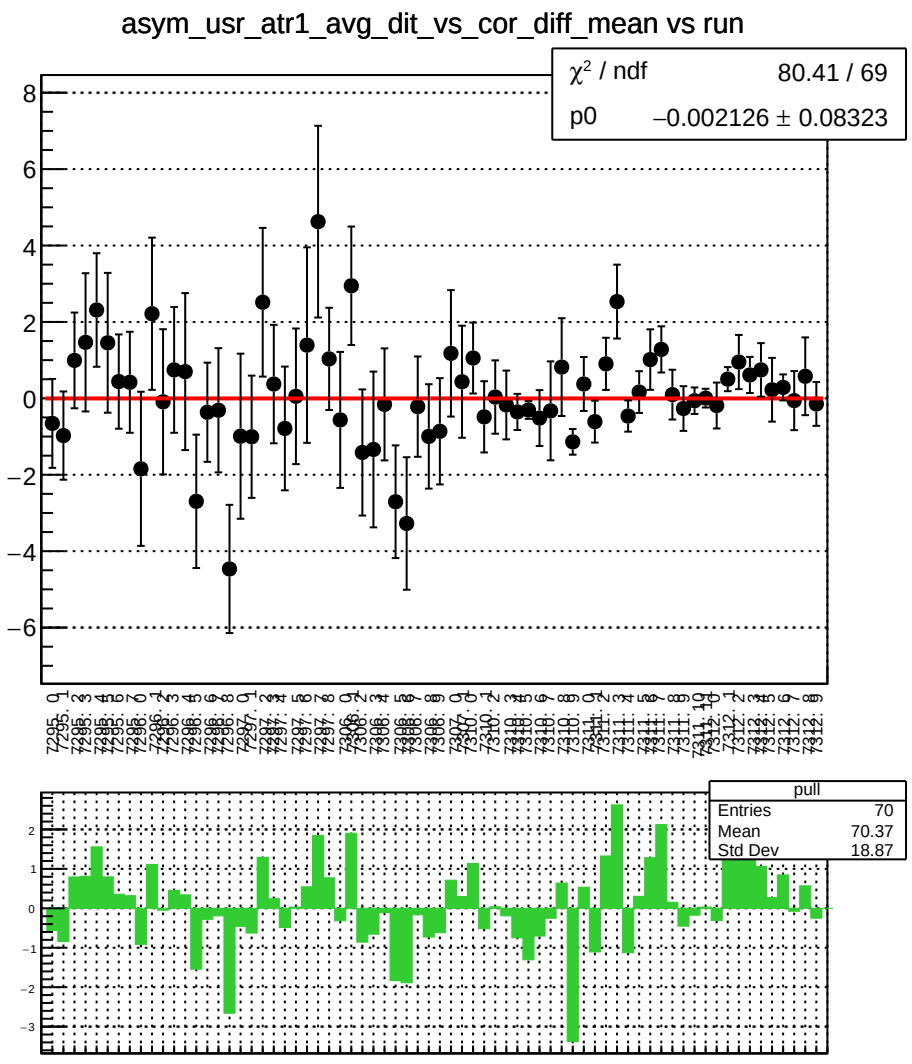

asym_usr_atr1_avg_mean vs run
χ² / ndf 74.68 / 69
p0 −564.5 ± 2422
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean 7.281
Std Dev 38.47
2
1
0
−1
−2

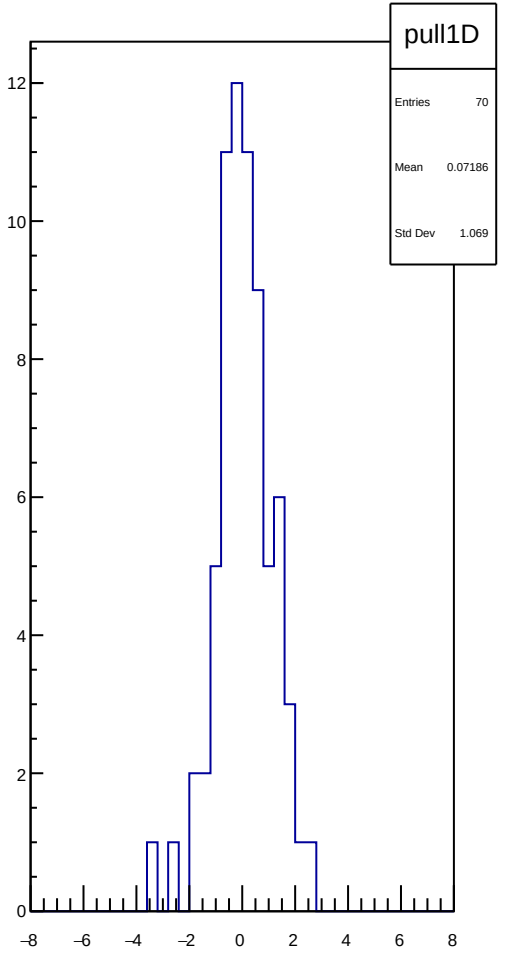

pull1D
Entries 70
Mean −0.01795
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

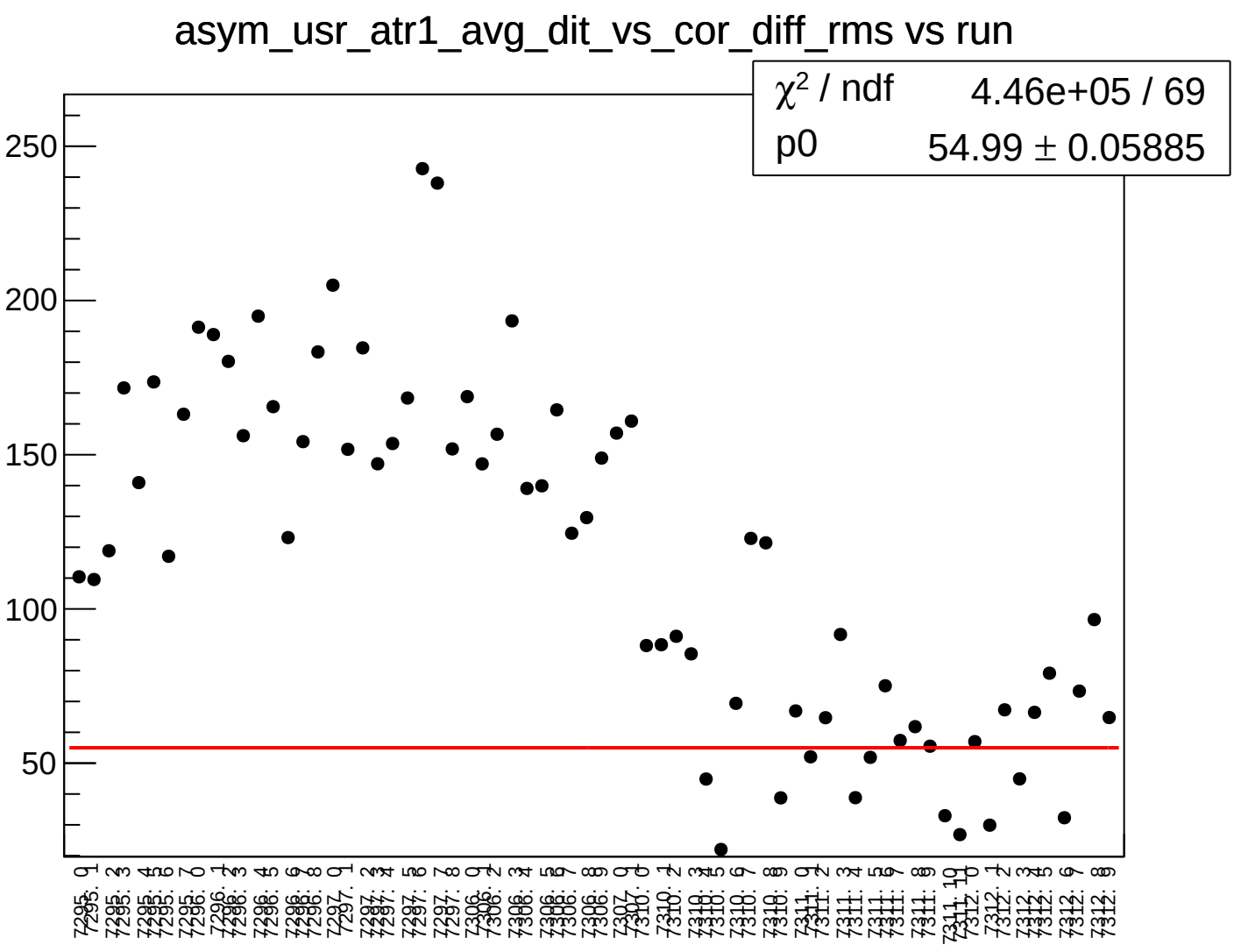

asym_usr_atr1_avg_rms vs run
χ^2 / ndf 5937 / 69
p0 1963 ± 1.713
2600
2400
2200
2000
1800

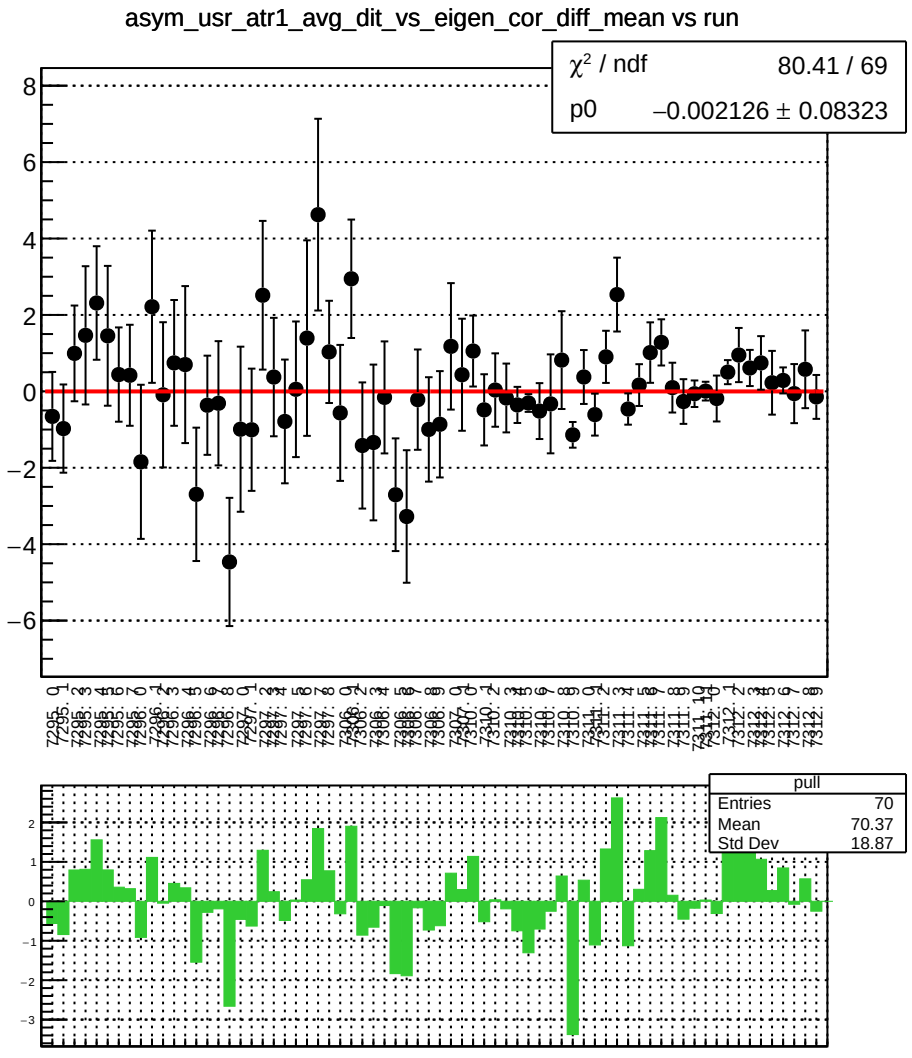

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.56 / 69
p0 7.322e−15 ± 3.09e−14
pull
Entries 70
Mean 26.39
Std Dev 0
pull1D
Entries 70
Mean −0.05134
Std Dev 0.9664

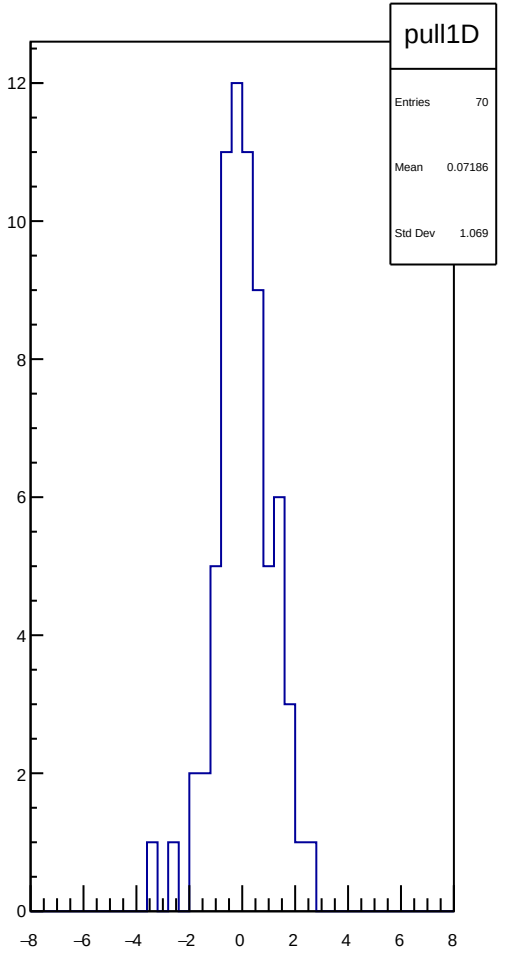

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.592e+05 / 69
p0 1.482e−11 ± 2.185e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

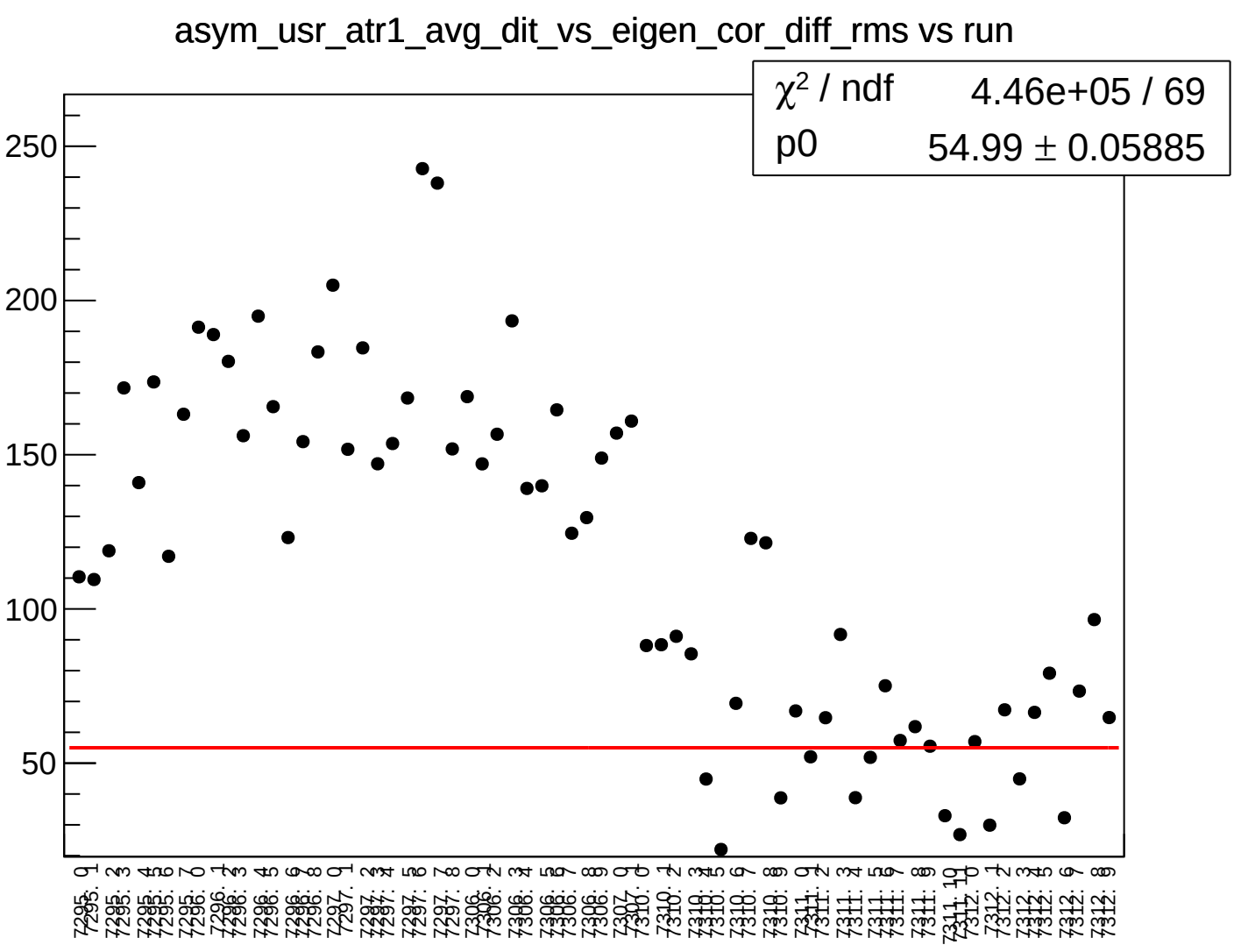

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.41 / 69
p0 −0.002126 ± 0.08323
pull
Entries 70
Mean 70.37
Std Dev 18.87

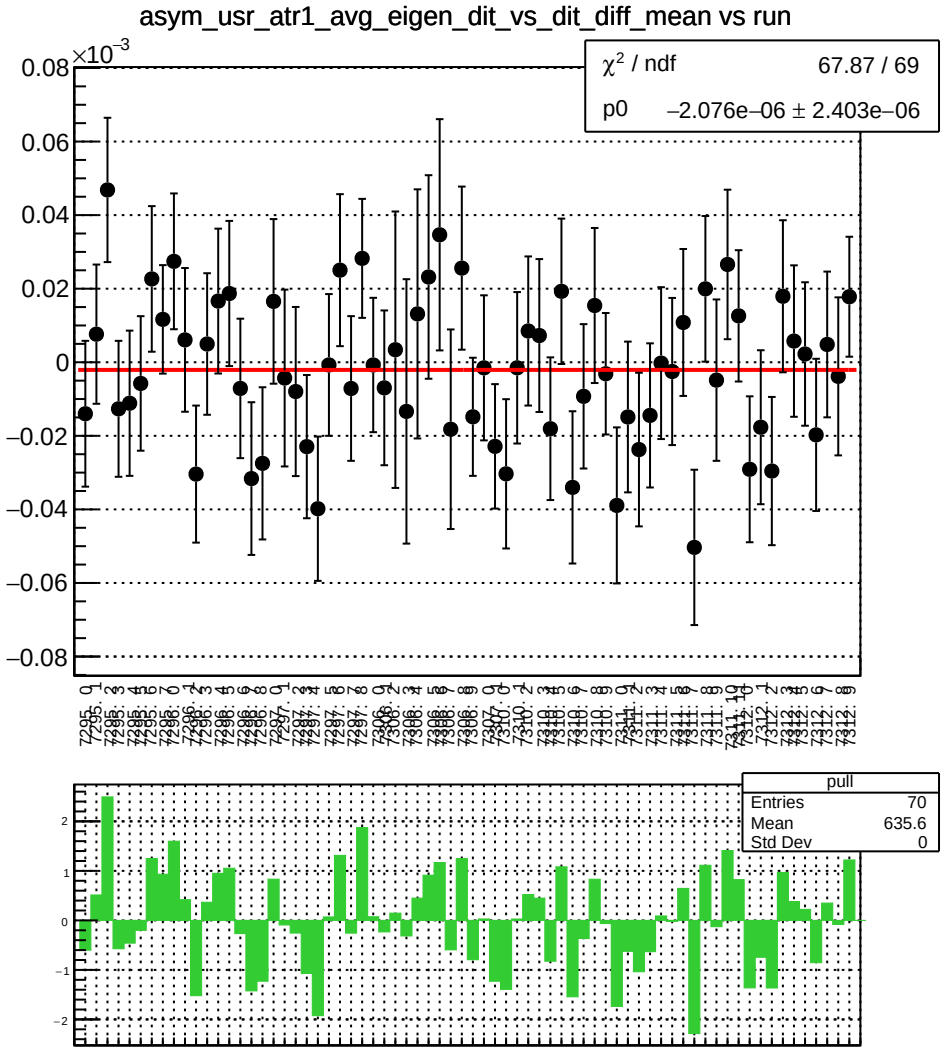

pull1D
Entries 70
Mean 0.07186
Std Dev 1.069

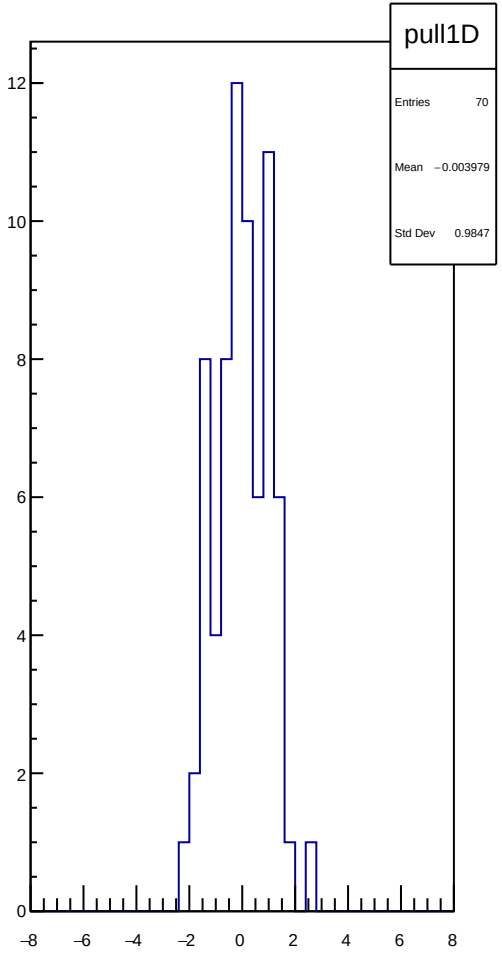

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.46e+05 / 69
p0 54.99 ± 0.05885
250
200
150
100
50

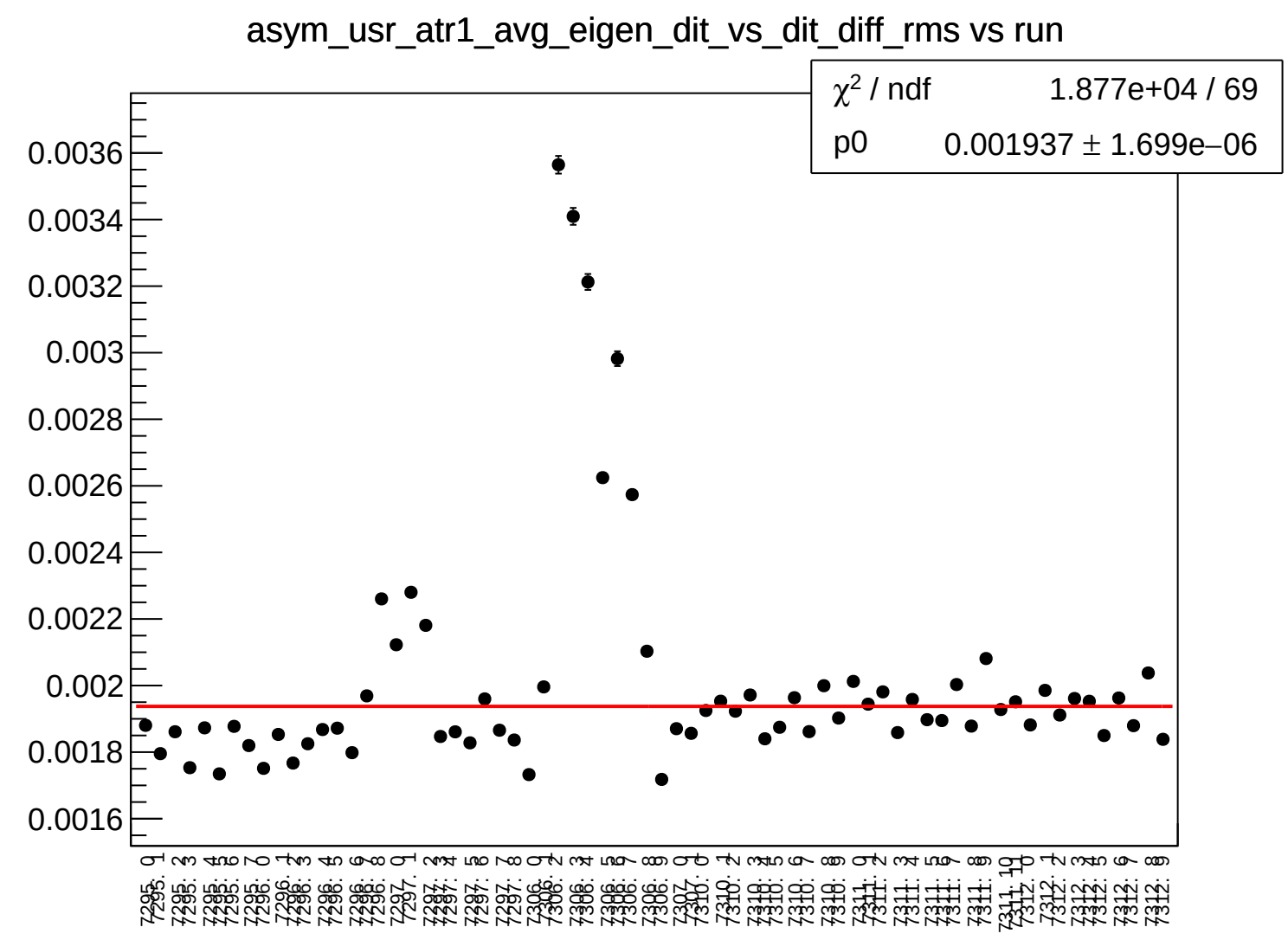

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.41 / 69
p0 −0.002126 ± 0.08323
pull
Entries 70
Mean 70.37
Std Dev 18.87

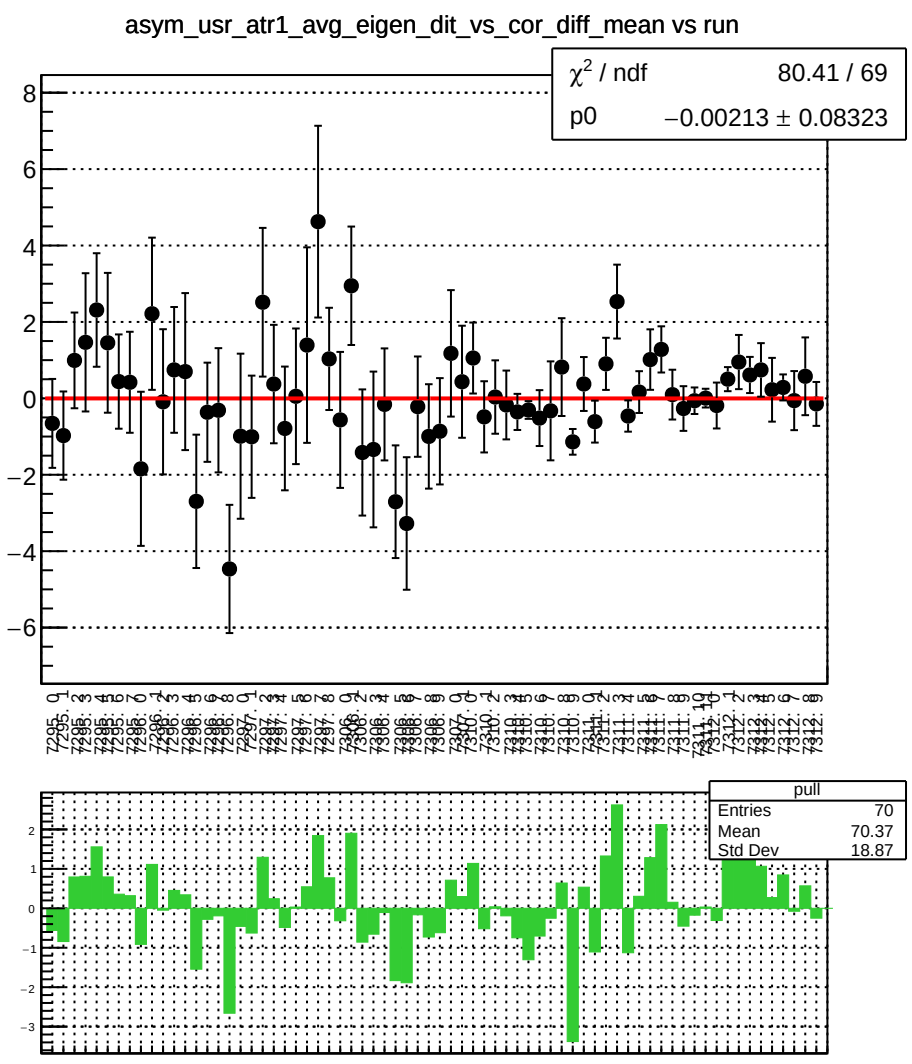

pull1D
Entries 70
Mean 0.07186
Std Dev 1.069

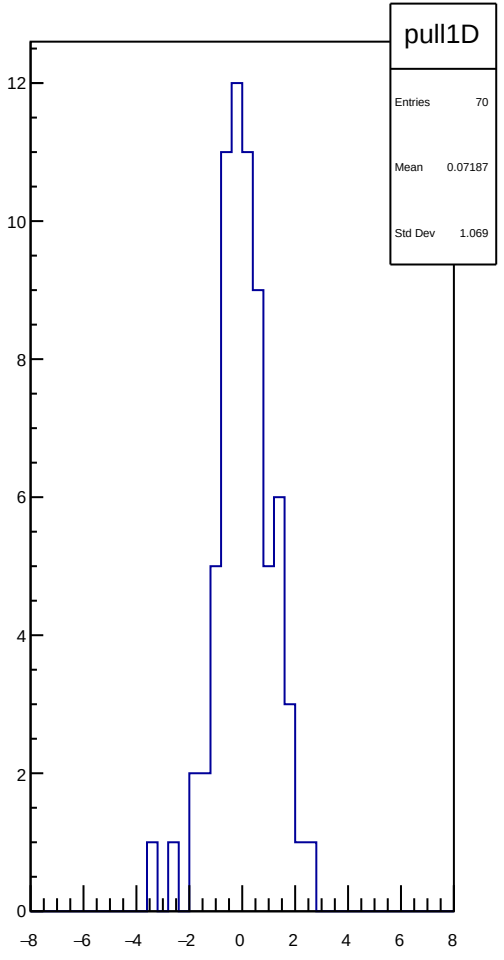

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.46e+05 / 69
p0 54.99 ± 0.05885
250
200
150
100
50

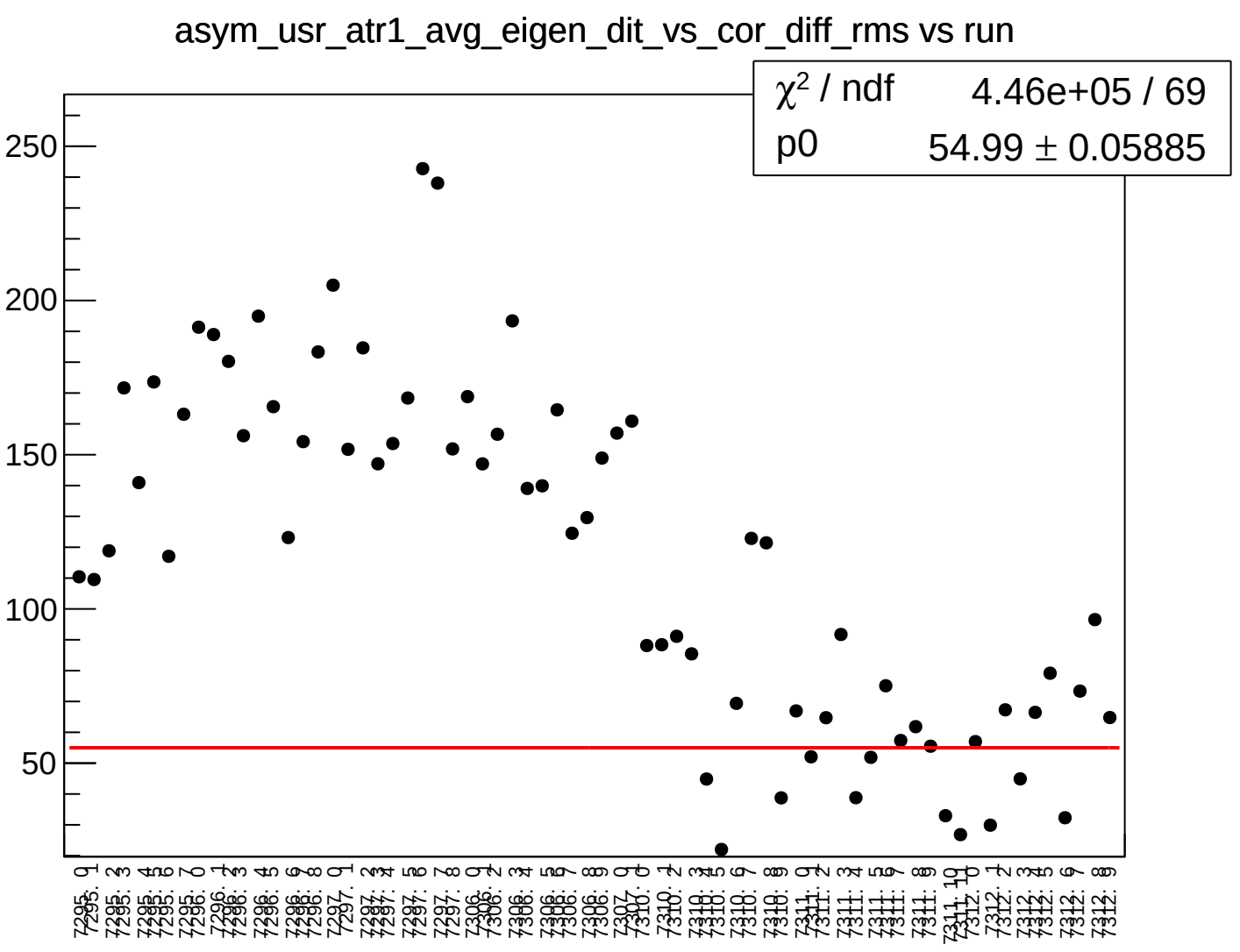

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 67.87 / 69
p0 −2.076e−06 ± 2.403e−06
pull
Entries 70
Mean 635.6
Std Dev 0

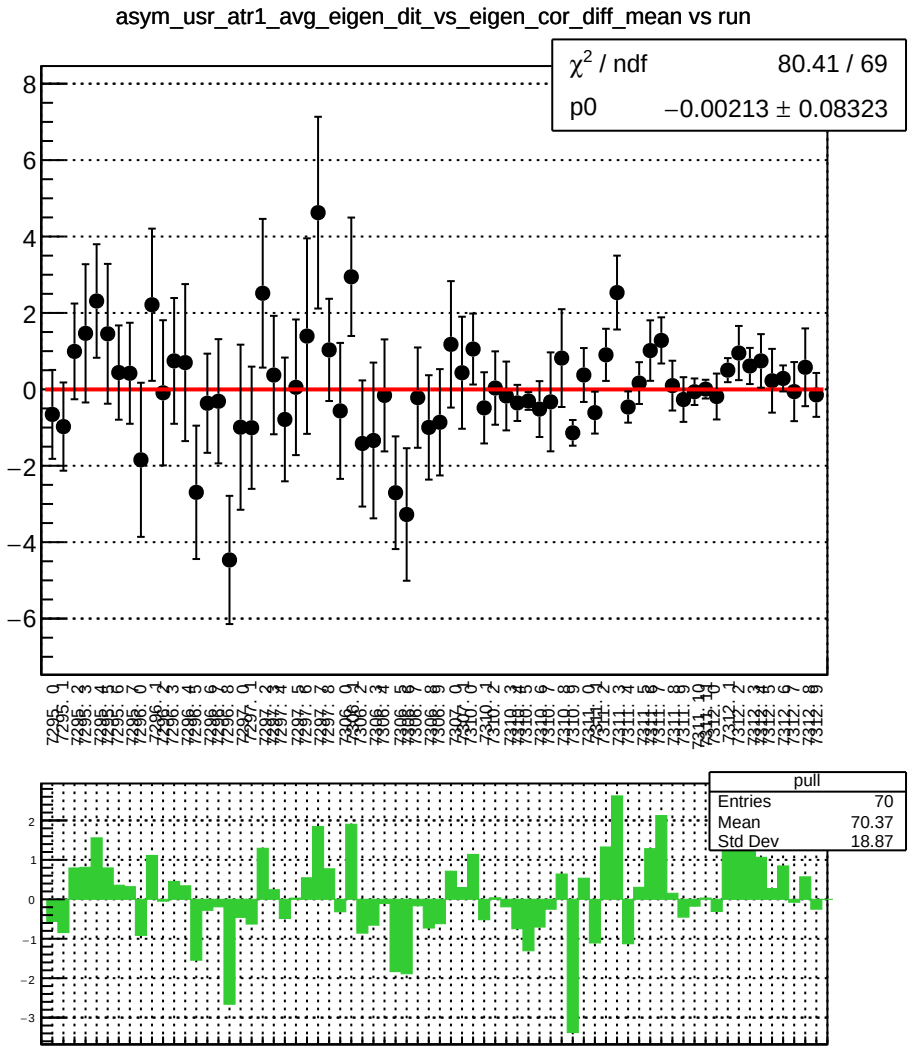

pull1D
Entries 70
Mean −0.003979
Std Dev 0.9847

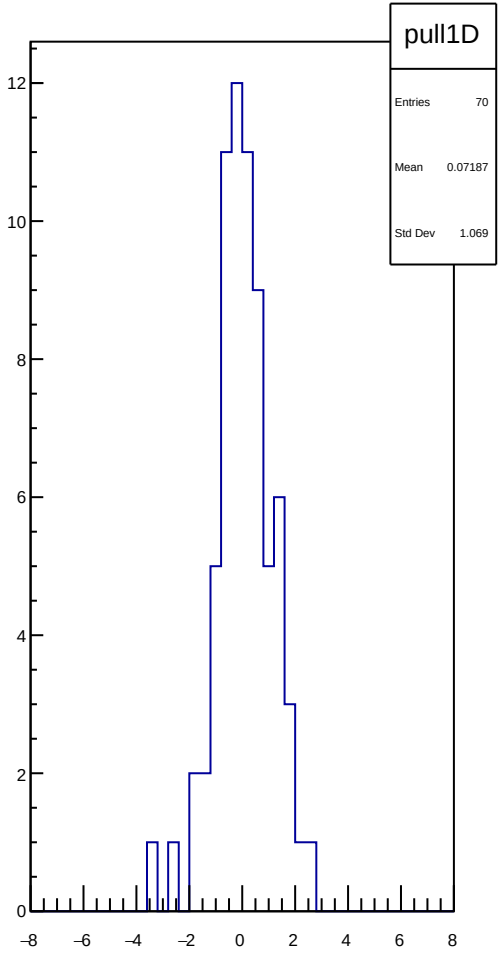

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.877e+04 / 69
p0 0.001937 ± 1.699e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016

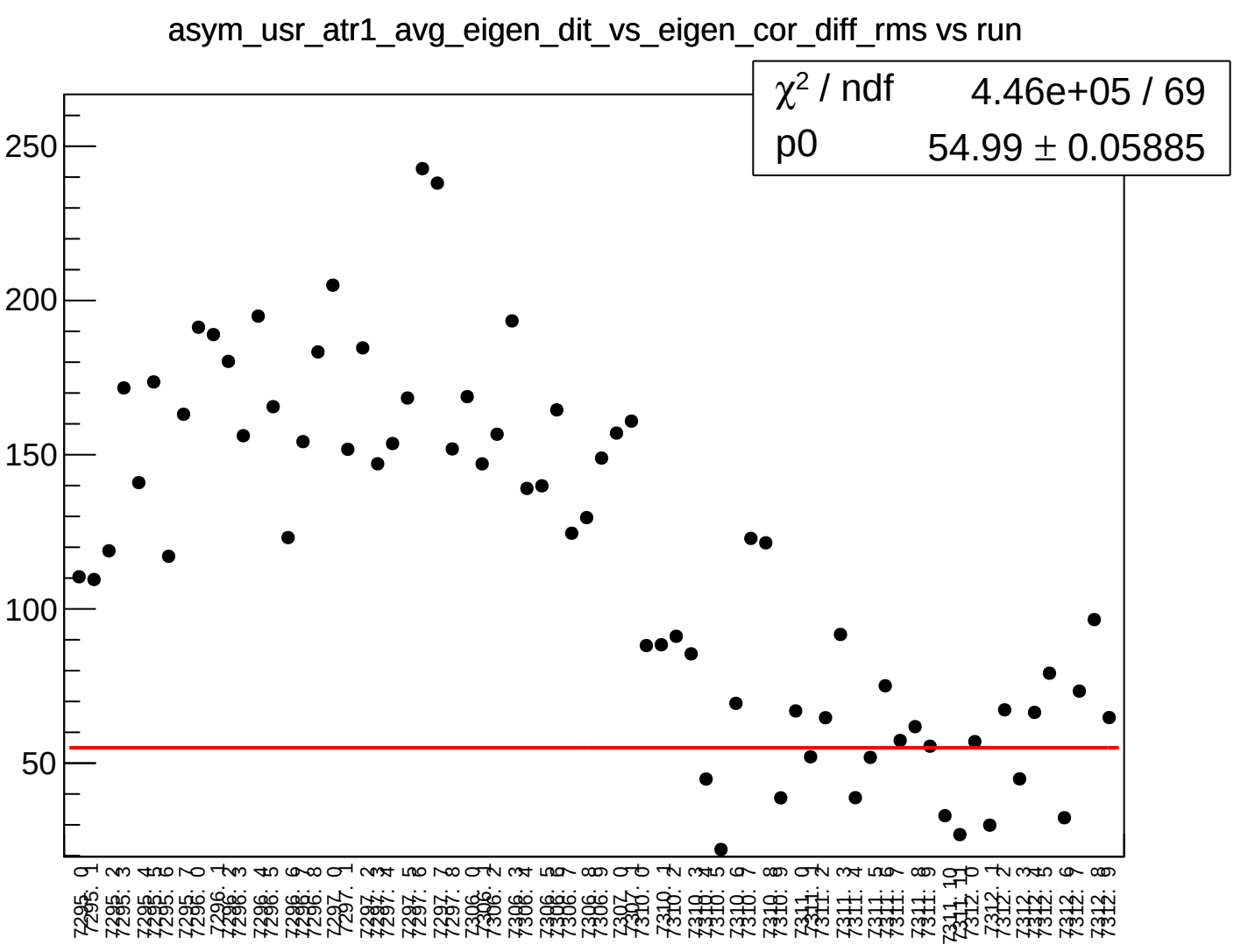

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.41 / 69
p0 −0.00213 ± 0.08323
pull
Entries 70
Mean 70.37
Std Dev 18.87

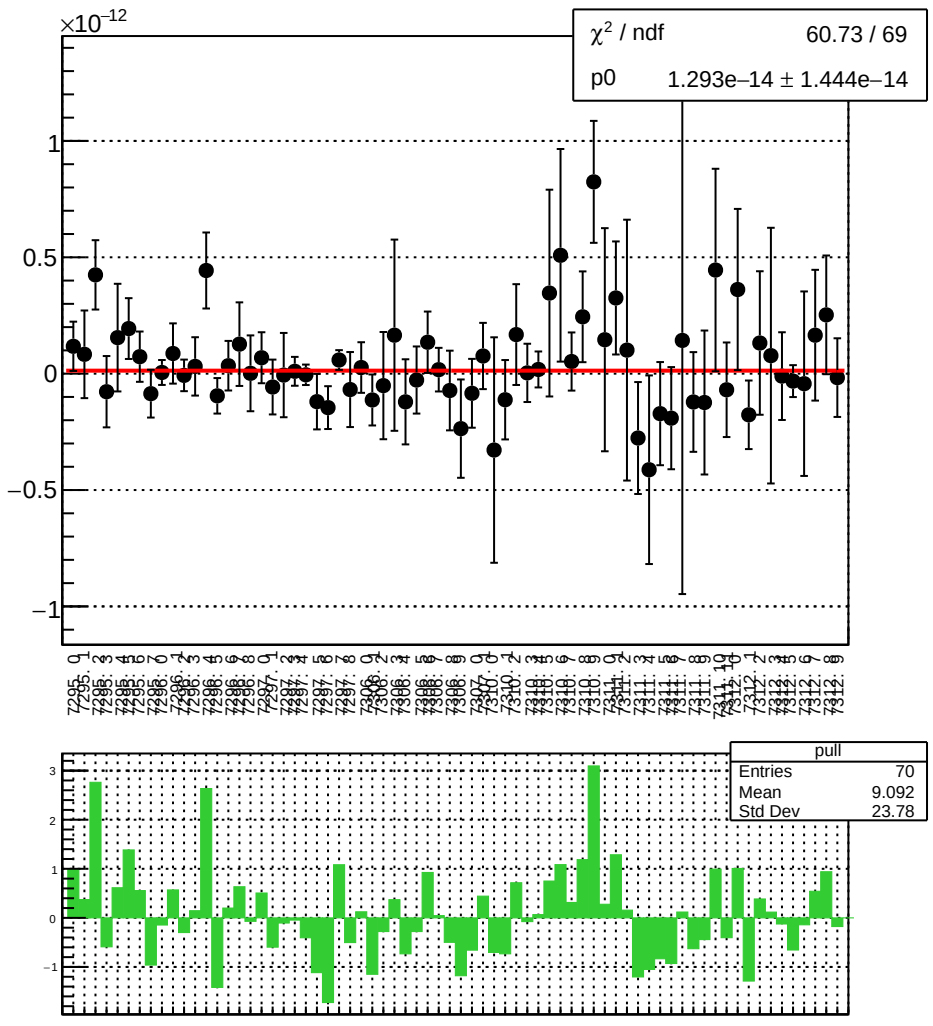

pull1D
Entries 70
Mean 0.07187
Std Dev 1.069

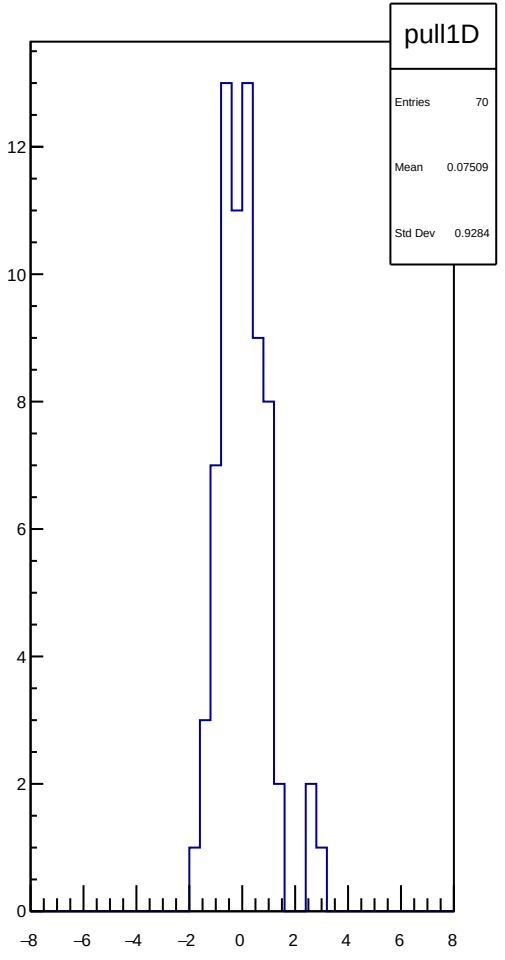

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.46e+05 / 69
p0 54.99 ± 0.05885
250
200
150
100
50

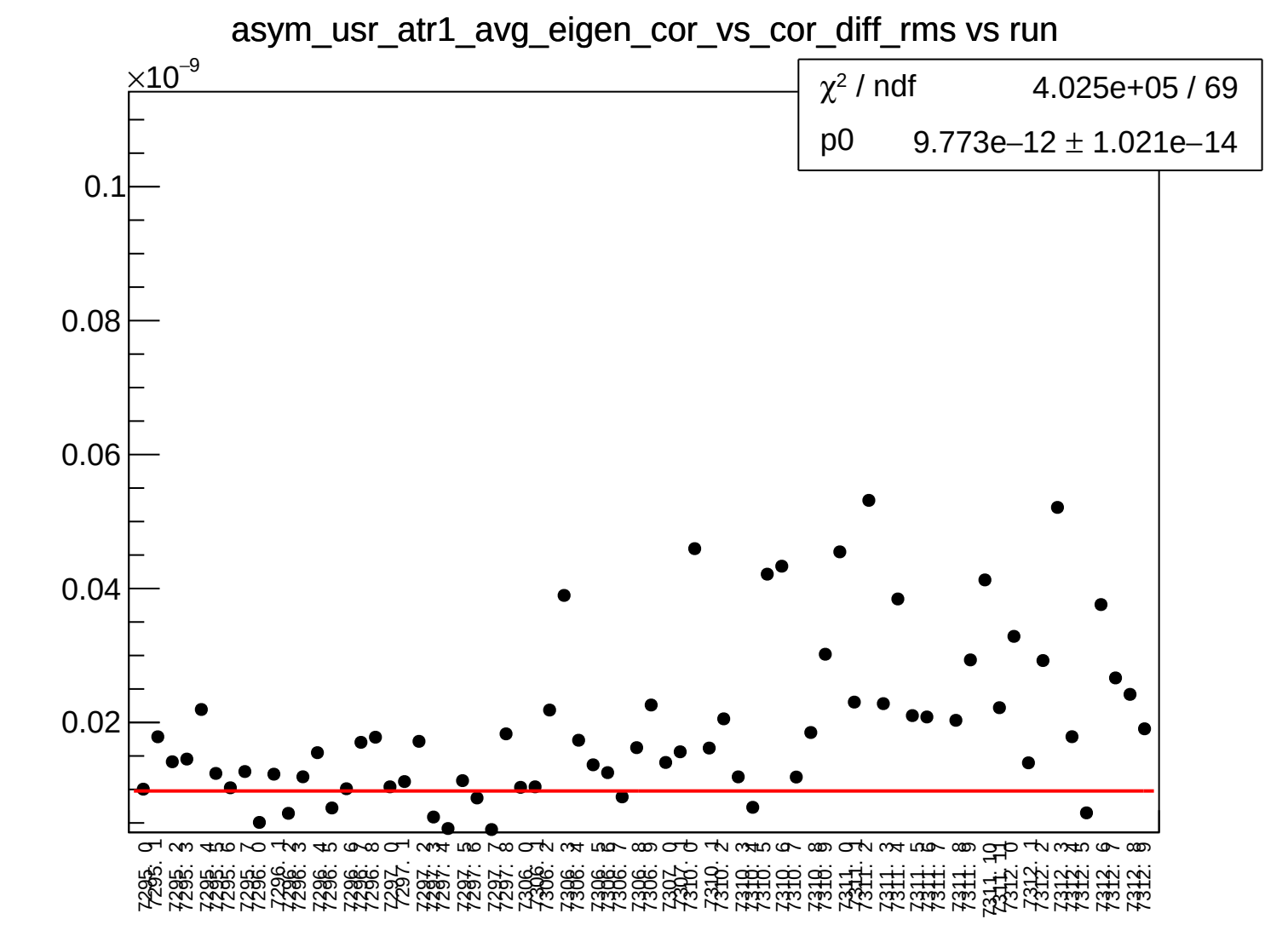

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.41 / 69
p0 −0.00213 ± 0.08323
pull
Entries 70
Mean 70.37
Std Dev 18.87

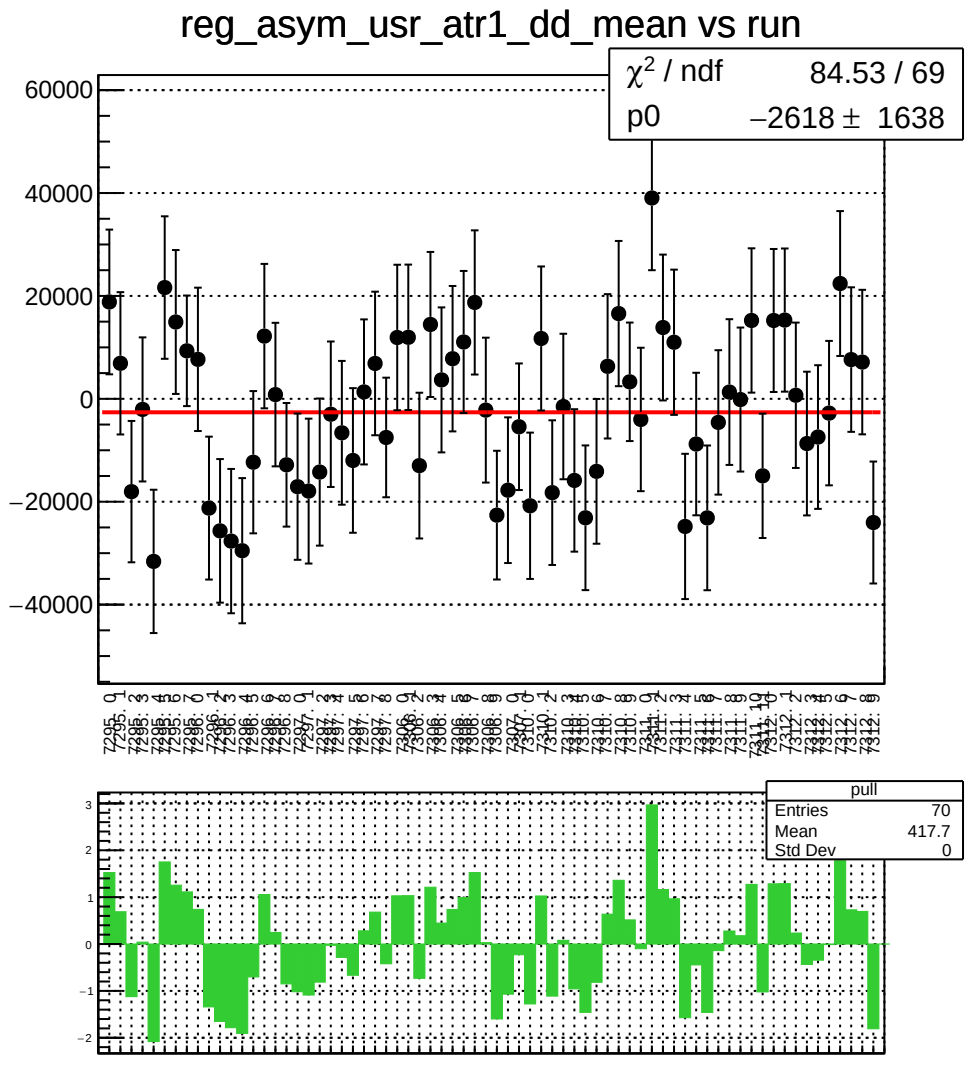

pull1D
Entries 70
Mean 0.07187
Std Dev 1.069

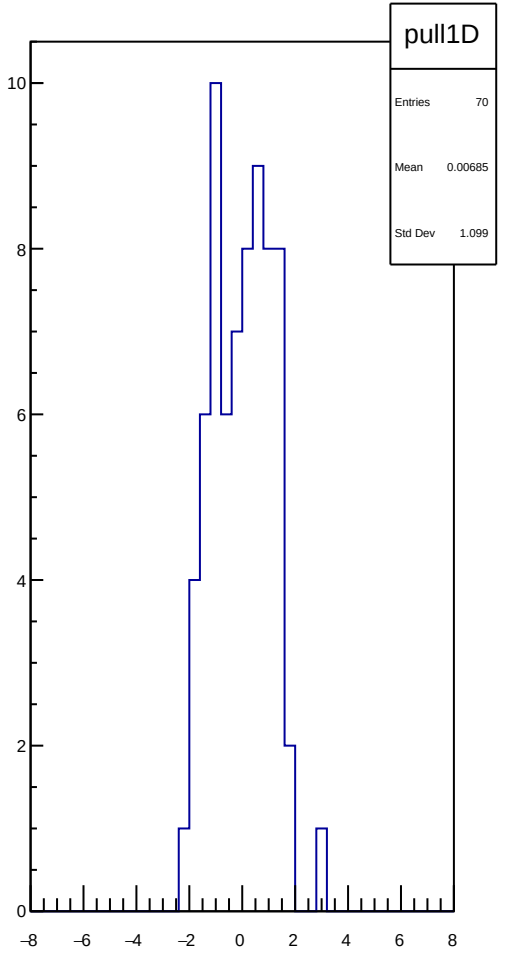

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.46e+05 / 69
p0 54.99 ± 0.05885
250
200
150
100
50

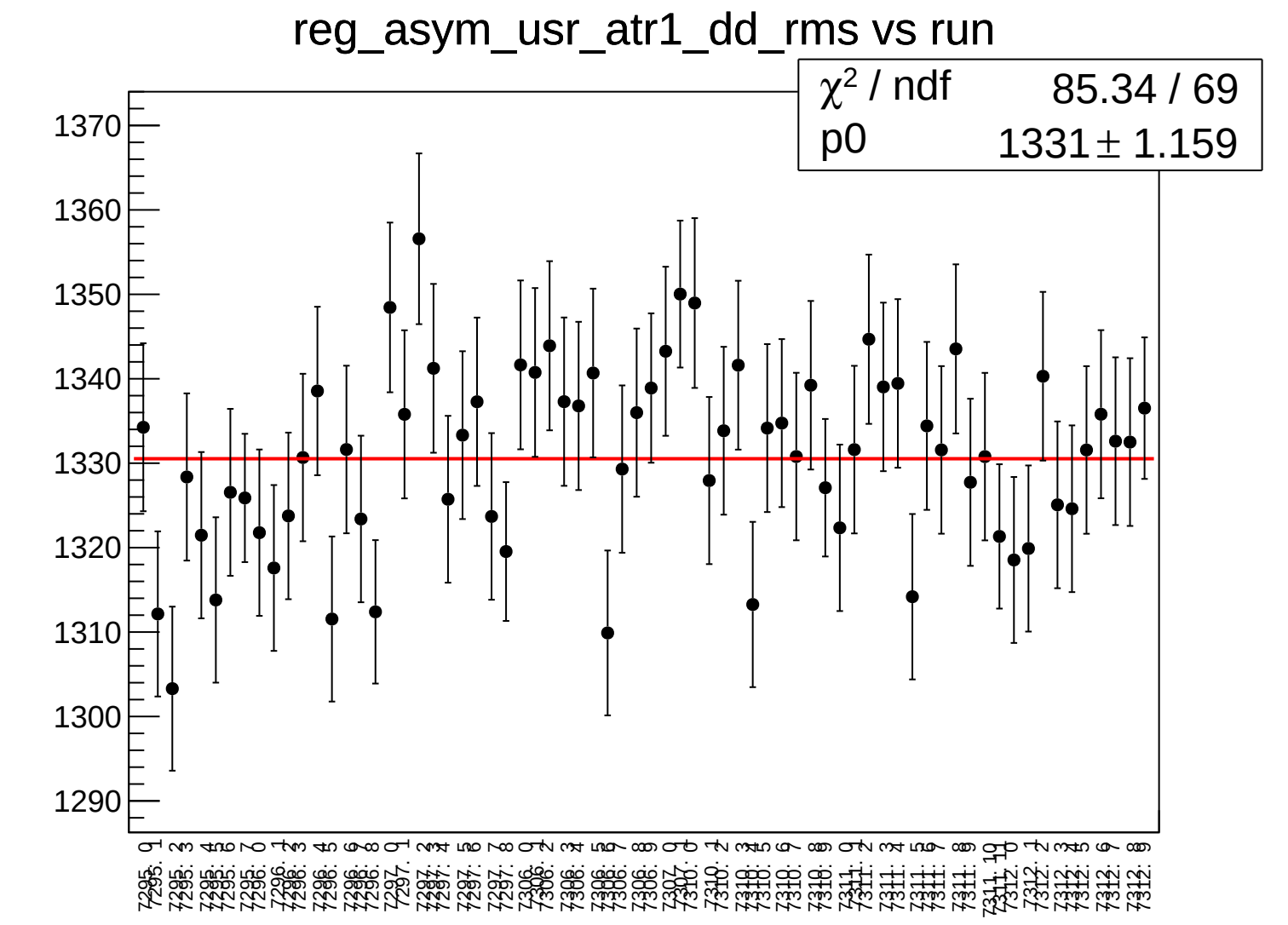

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.73 / 69
p0 1.293e−14 ± 1.444e−14
pull
Entries 70
Mean 9.092
Std Dev 23.78

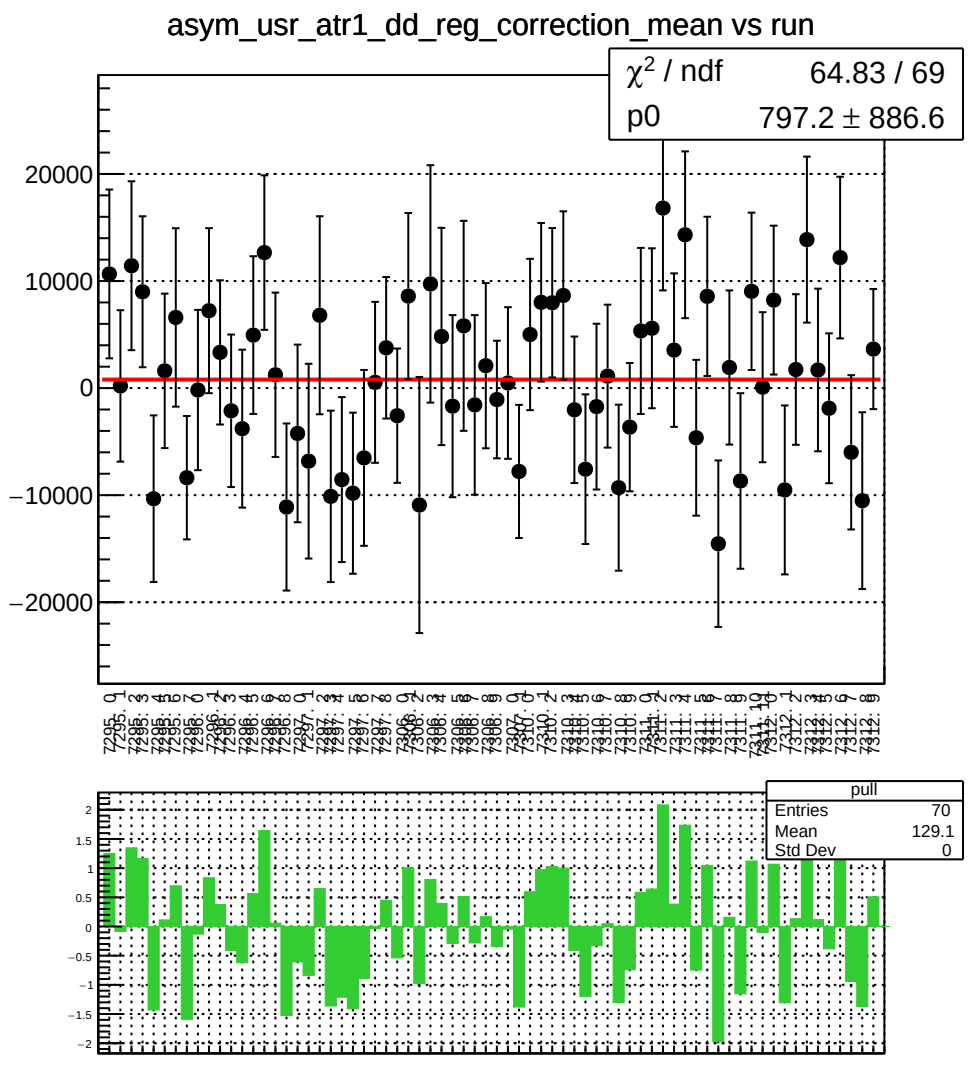

pull1D
Entries 70
Mean 0.07509
Std Dev 0.9284

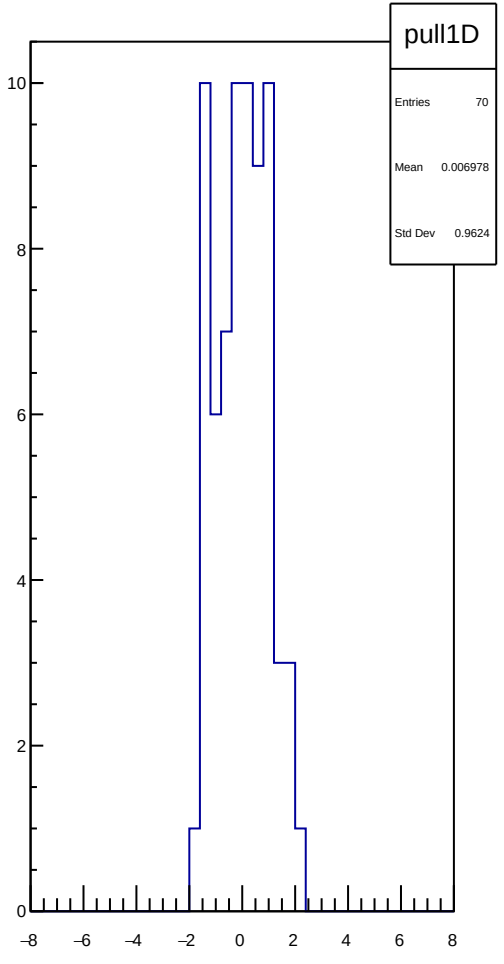

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.025e+05 / 69
p0 9.773e−12 ± 1.021e−14
0.1
0.08
0.06
0.04
0.02

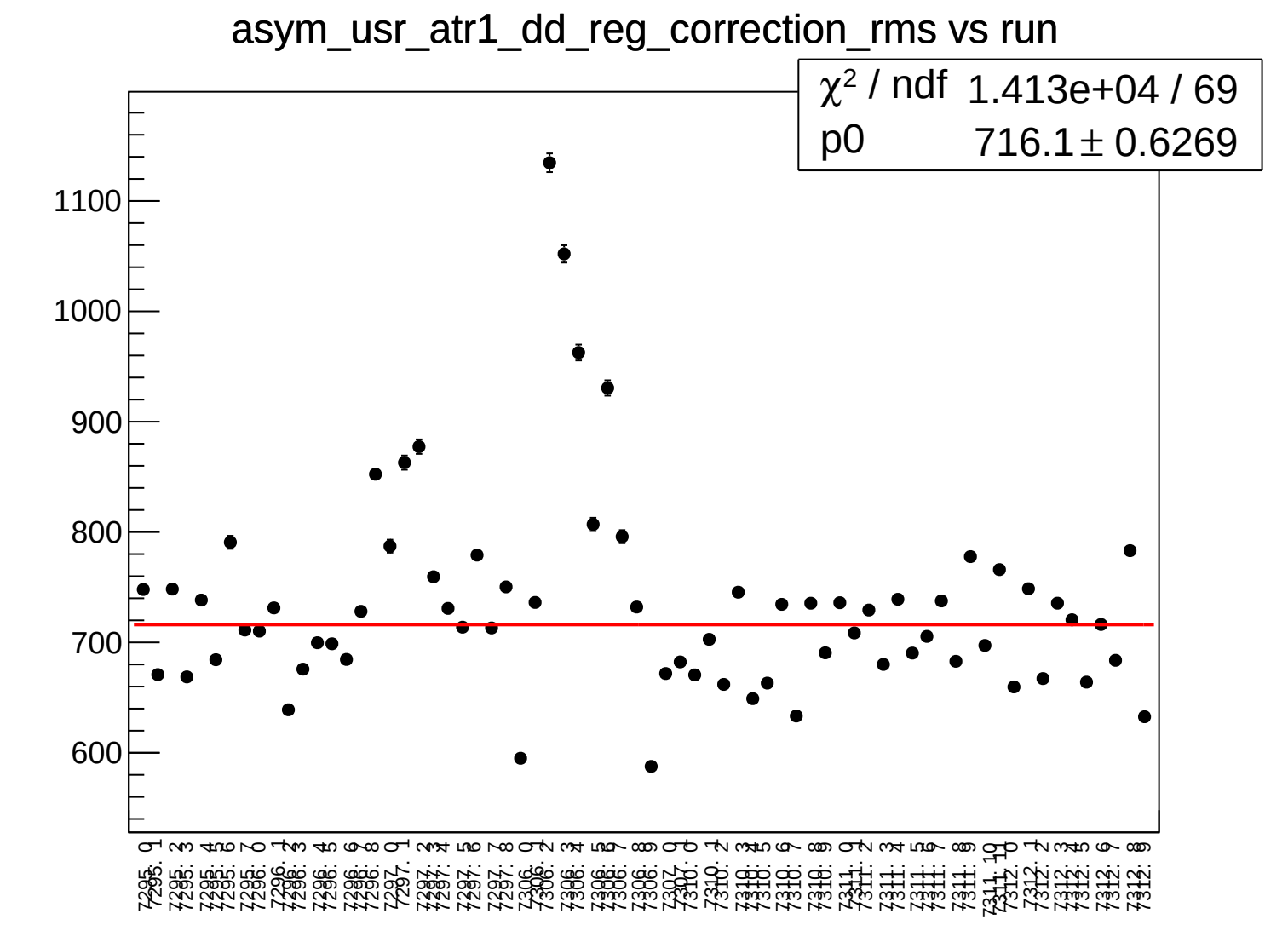

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 84.53 / 69
p0 −2618 ± 1638
pull
Entries 70
Mean 417.7
Std Dev 0

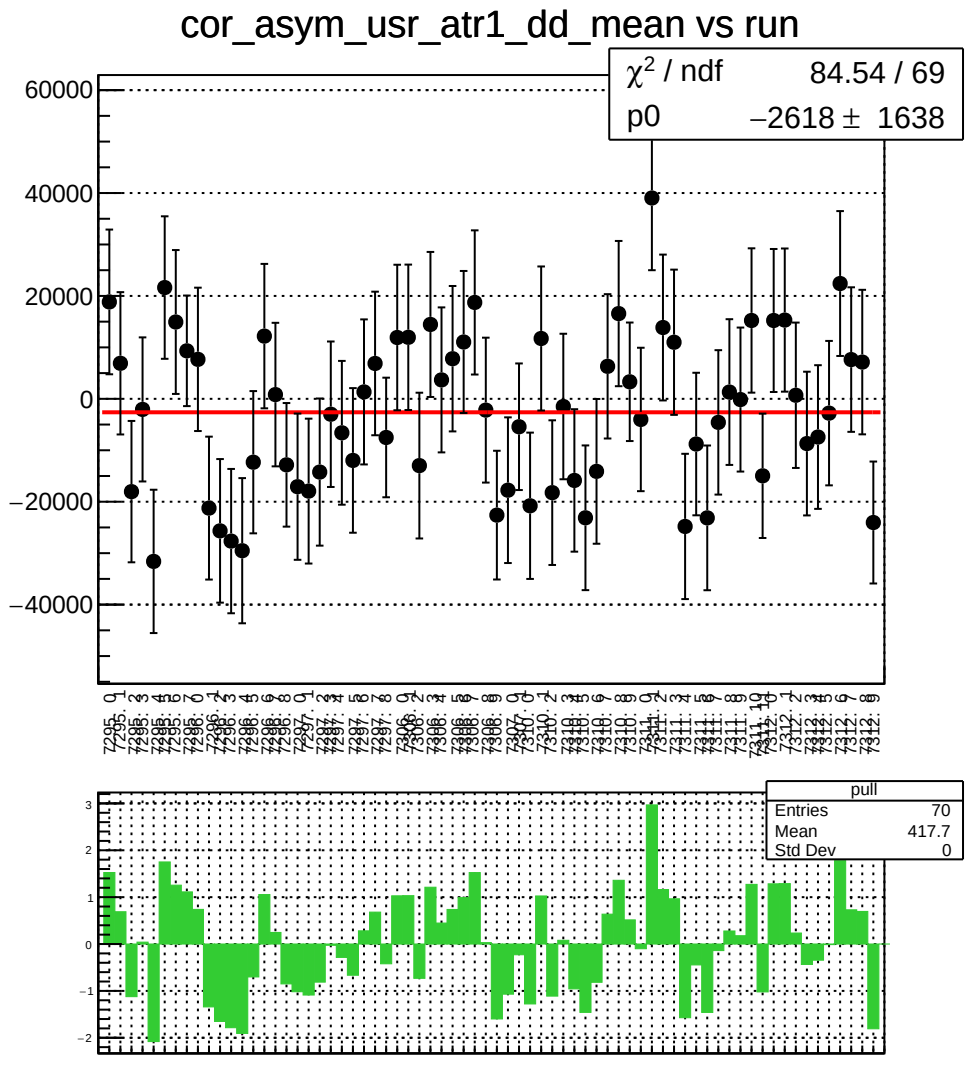

pull1D
Entries 70
Mean 0.00685
Std Dev 1.099

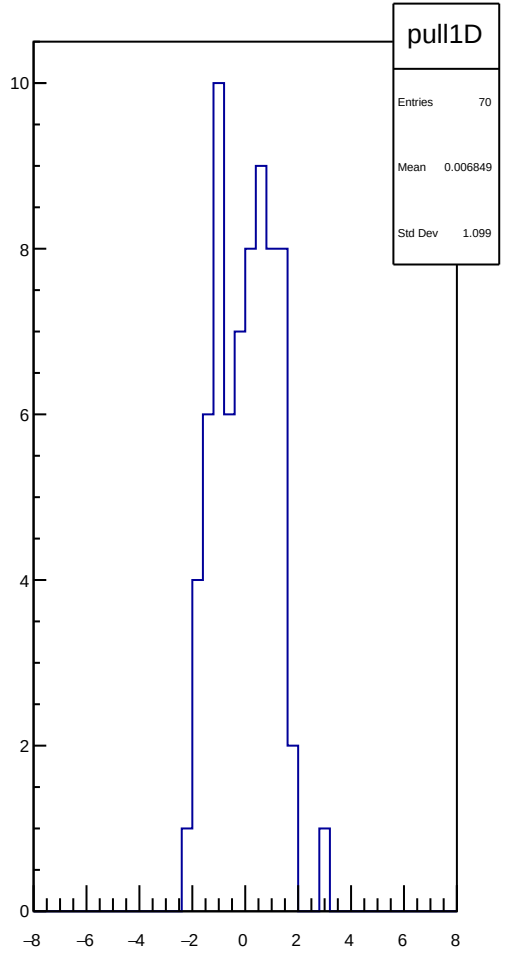

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.34 / 69
p0 1331 ± 1.159
1370
1360
1350
1340
1330
1320
1310
1300
1290

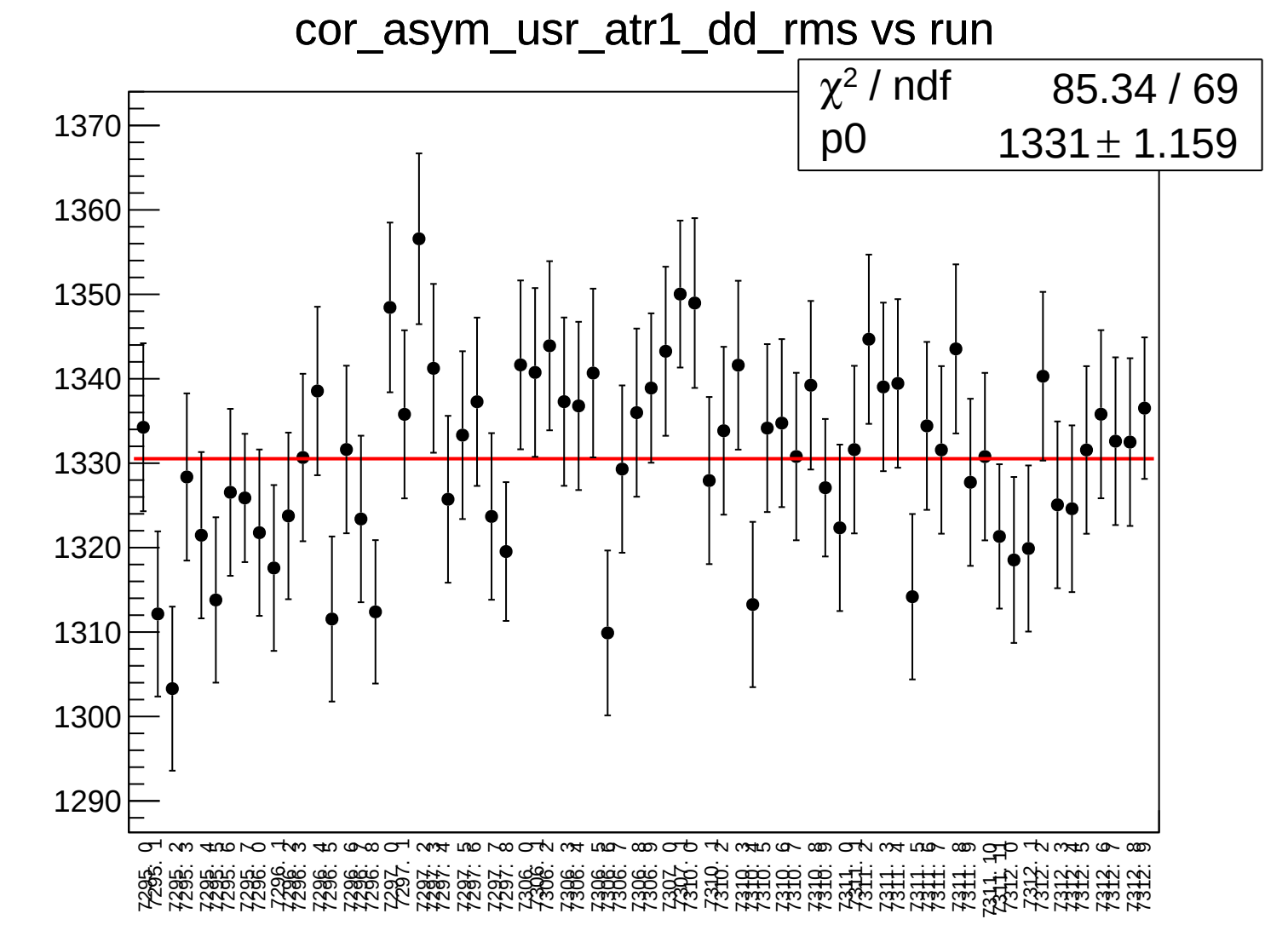

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 64.83 / 69
p0 797.2 ± 886.6
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 129.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

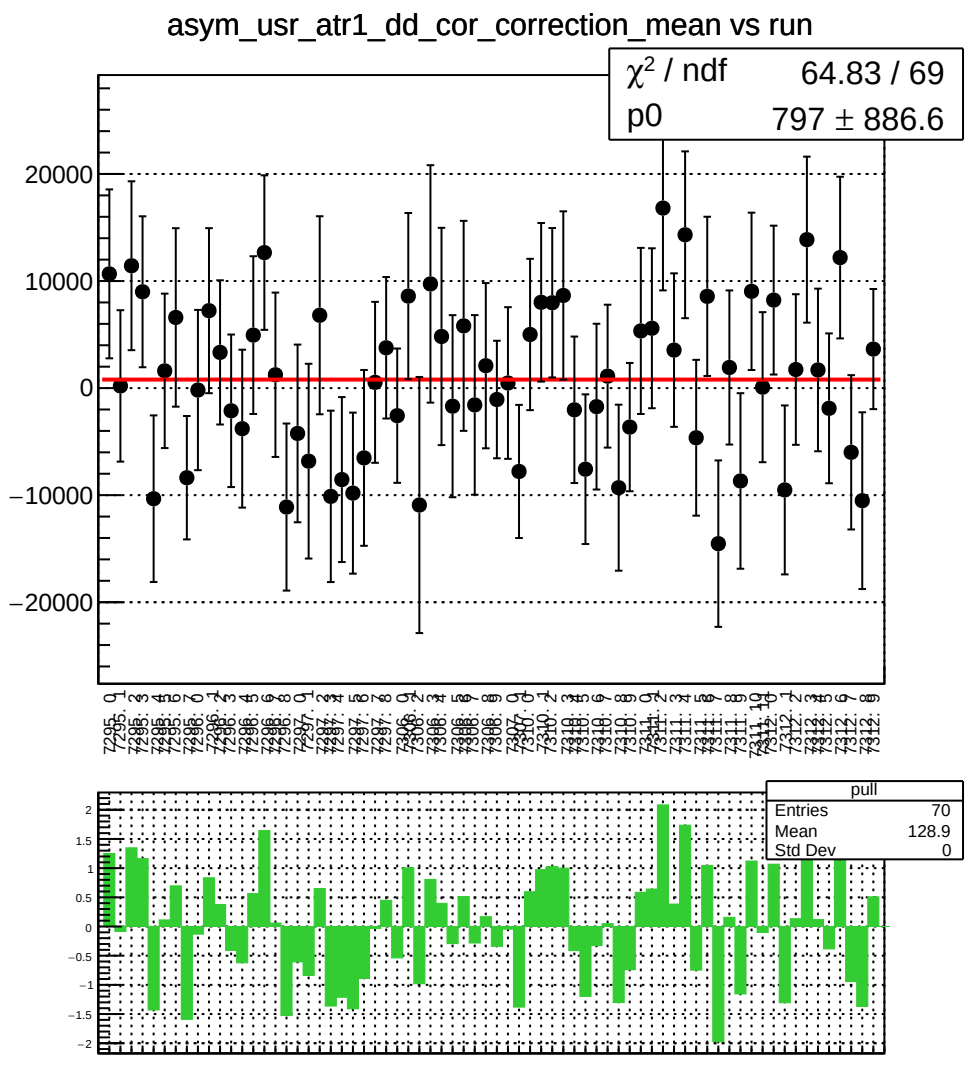

pull1D
Entries 70
Mean 0.006978
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

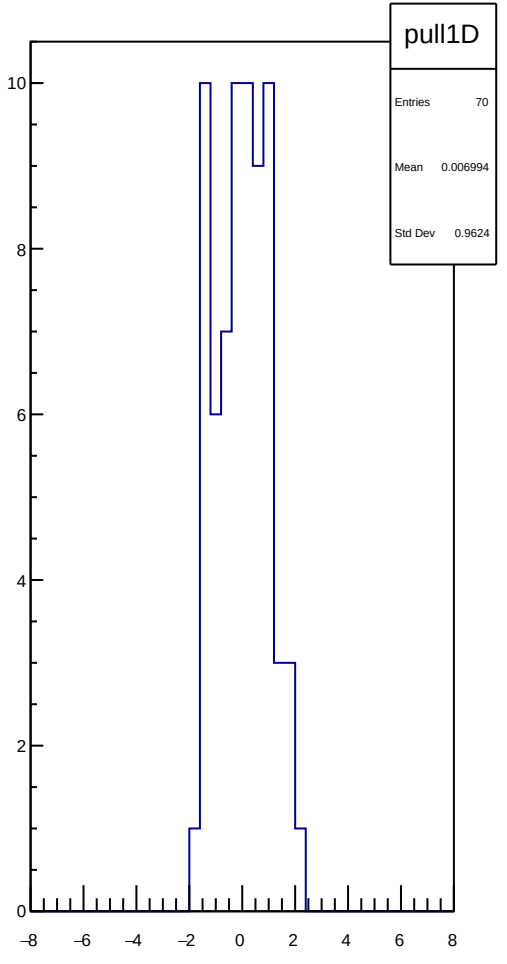

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 1.413e+04 / 69
p0 716.1 ± 0.6269
1100
1000
900
800
700
600


cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 84.54 / 69
p0 −2618 ± 1638
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 417.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 70
Mean 0.006849
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.34 / 69
p0 1331 ± 1.159
1370
1360
1350
1340
1330
1320
1310
1300
1290


asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 64.83 / 69
p0 797 ± 886.6
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 70
Mean 0.006994
Std Dev 0.9624
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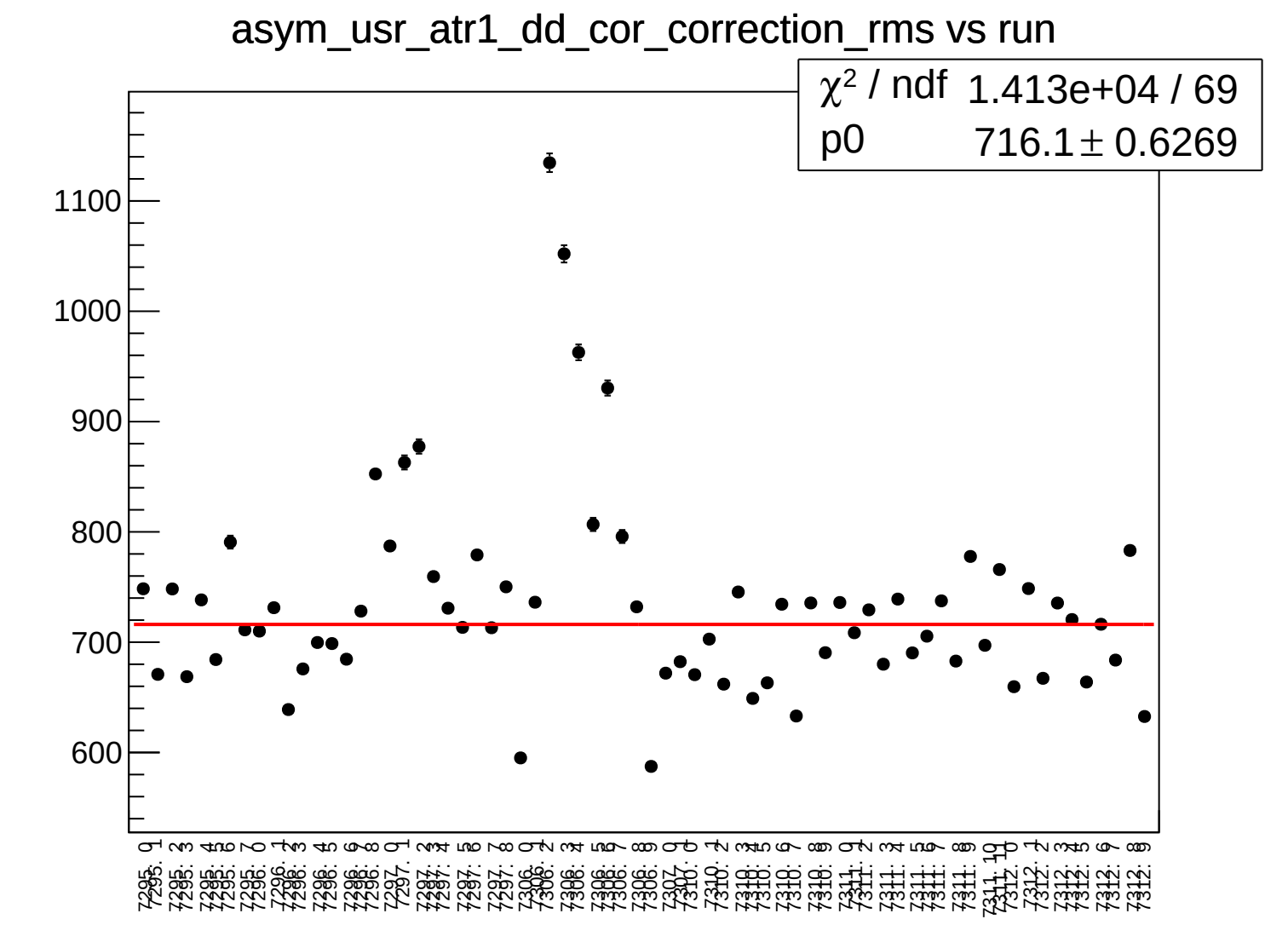
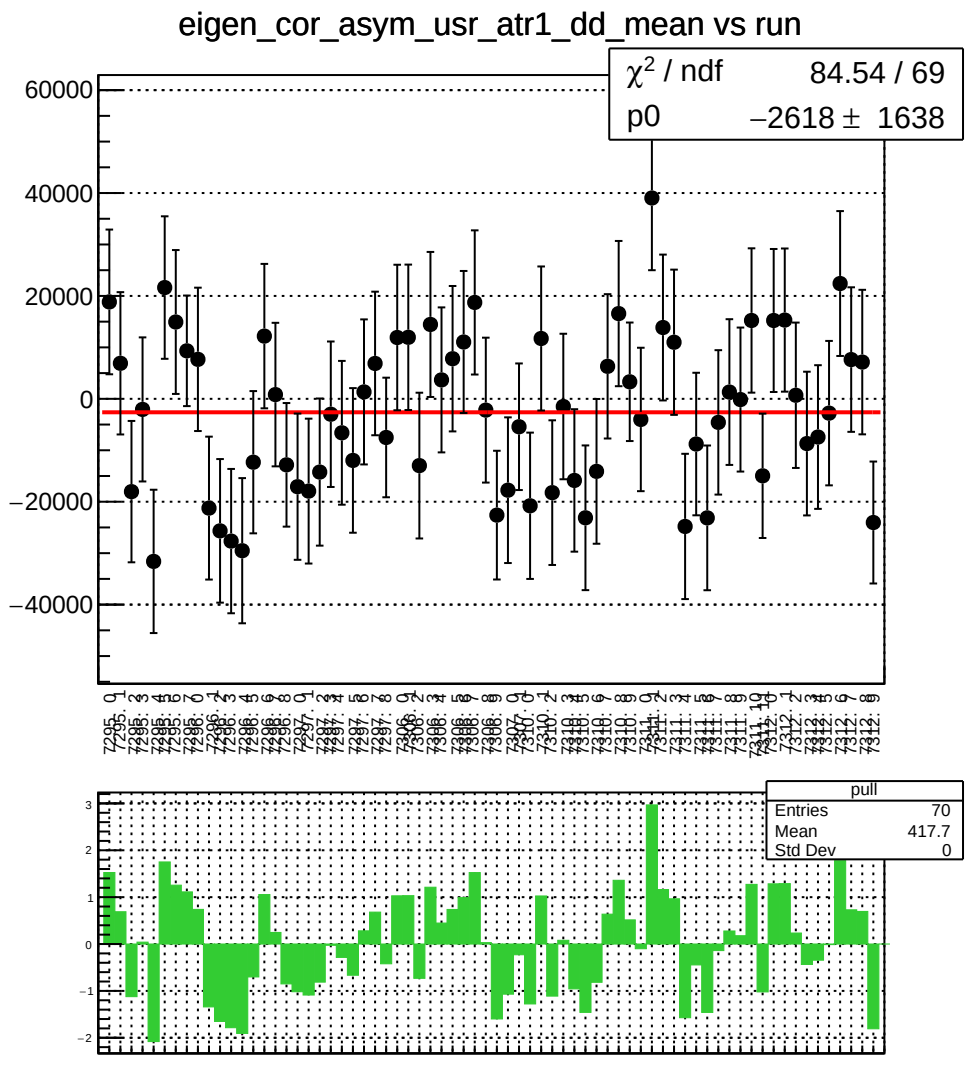
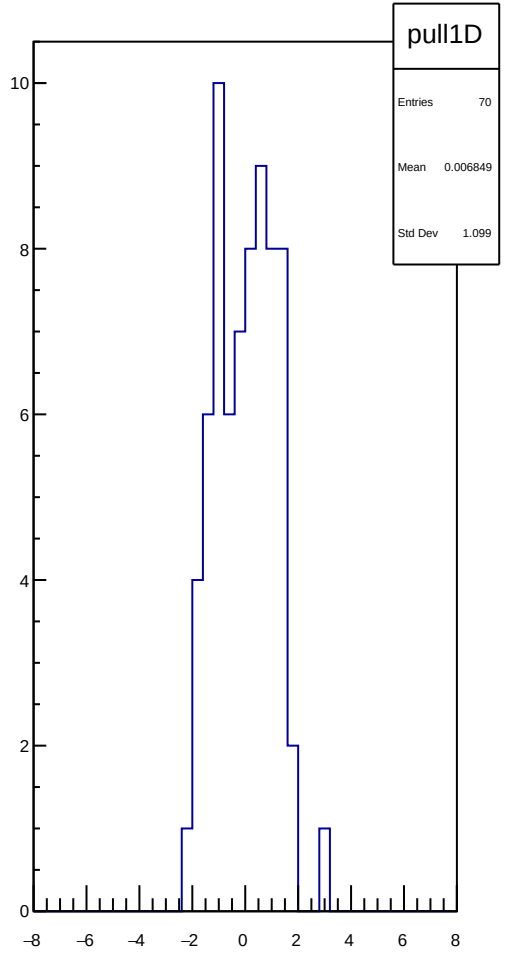
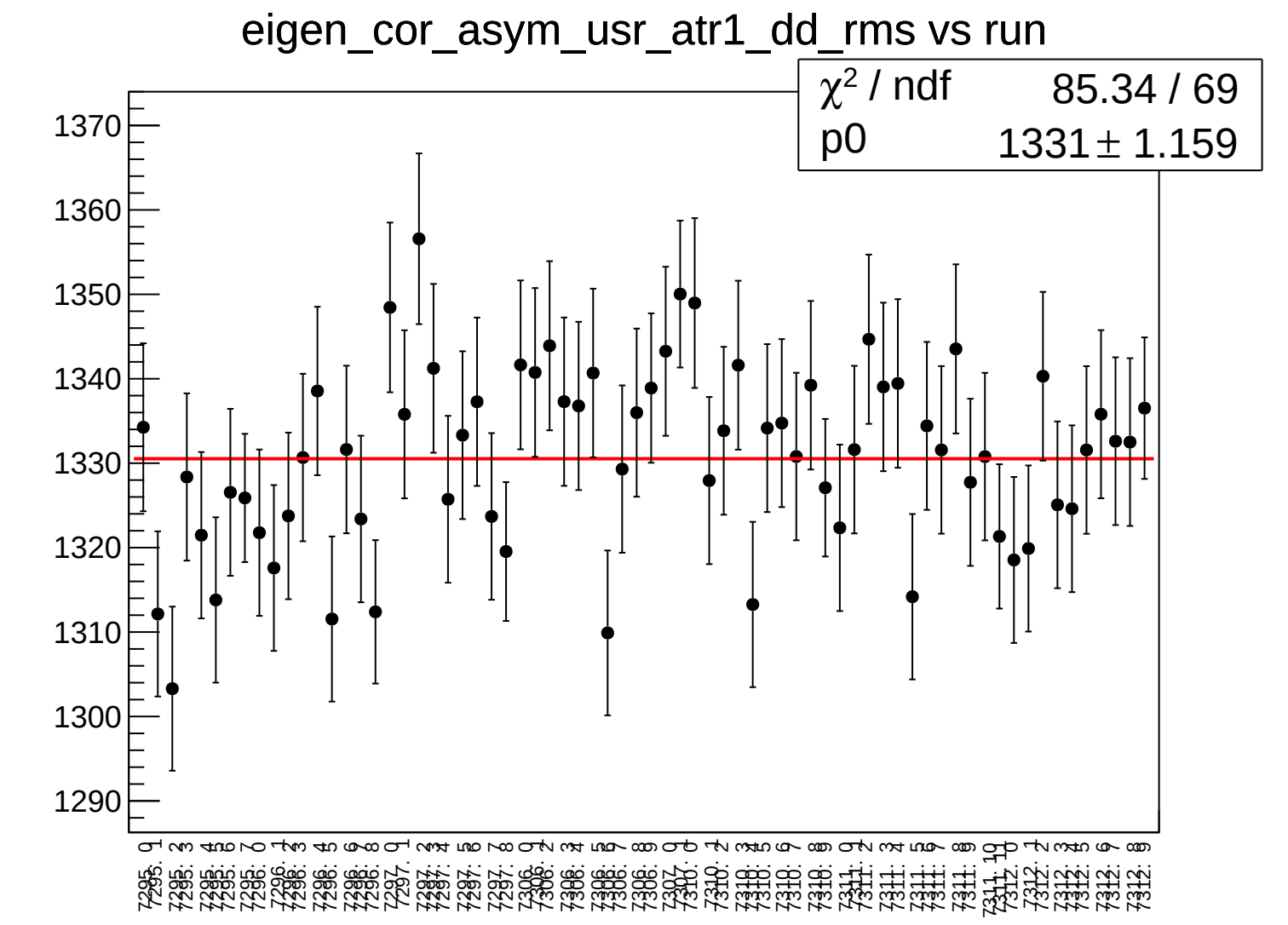
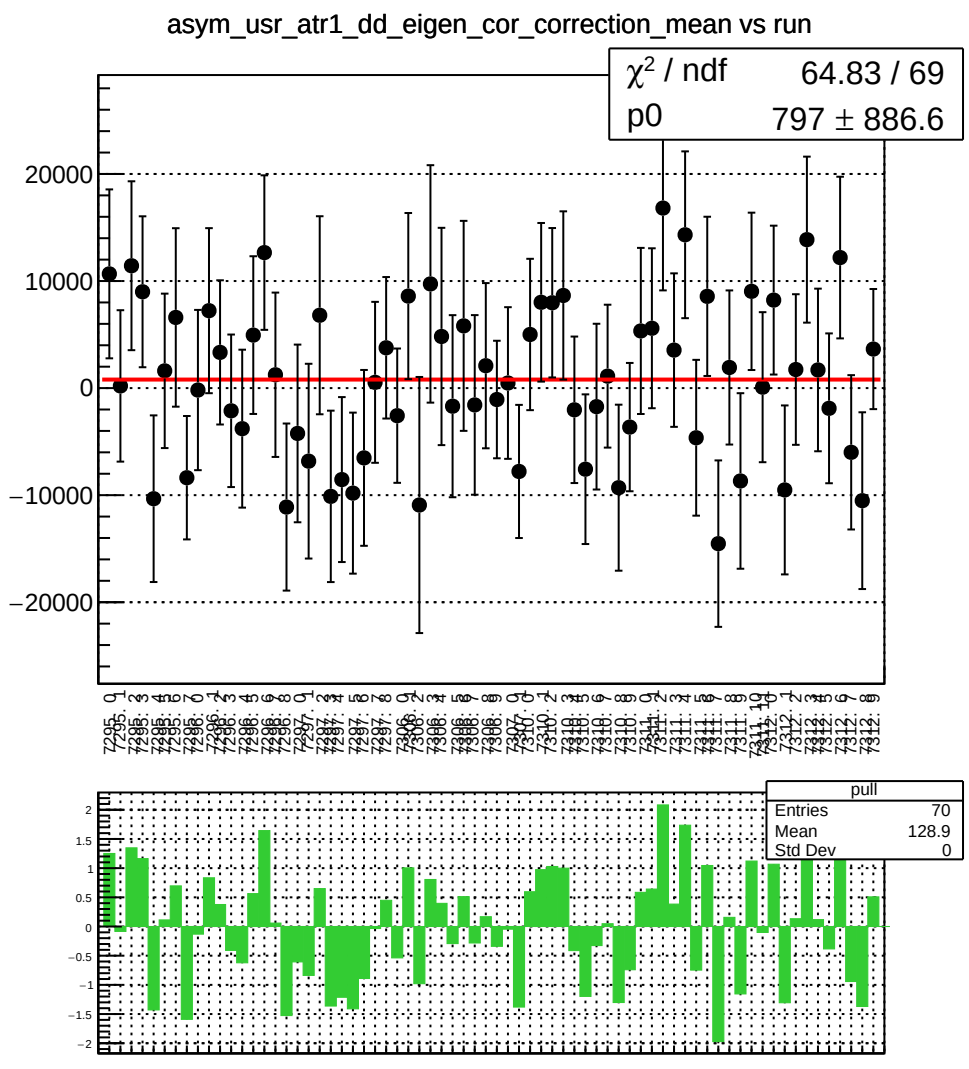
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

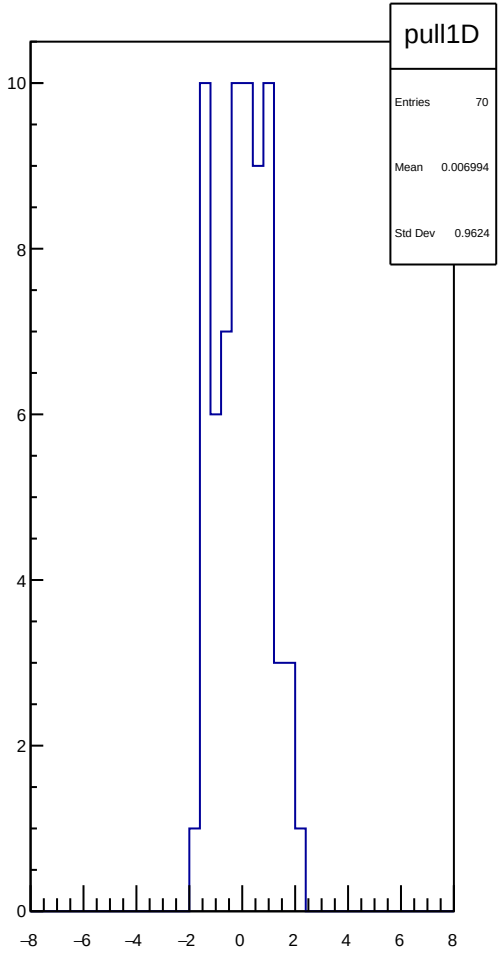

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 1.413e+04 / 69
p0 716.1 ± 0.6269
1100
1000
900
800
700
600


eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 84.54 / 69
p0 −2618 ± 1638
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 417.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 70
Mean 0.006849
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.34 / 69
p0 1331 ± 1.159
1370
1360
1350
1340
1330
1320
1310
1300
1290


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.83 / 69
p0 797 ± 886.6
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 70
Mean 0.006994
Std Dev 0.9624
10
8
6
4
2
0
−8
−6
−4
−2
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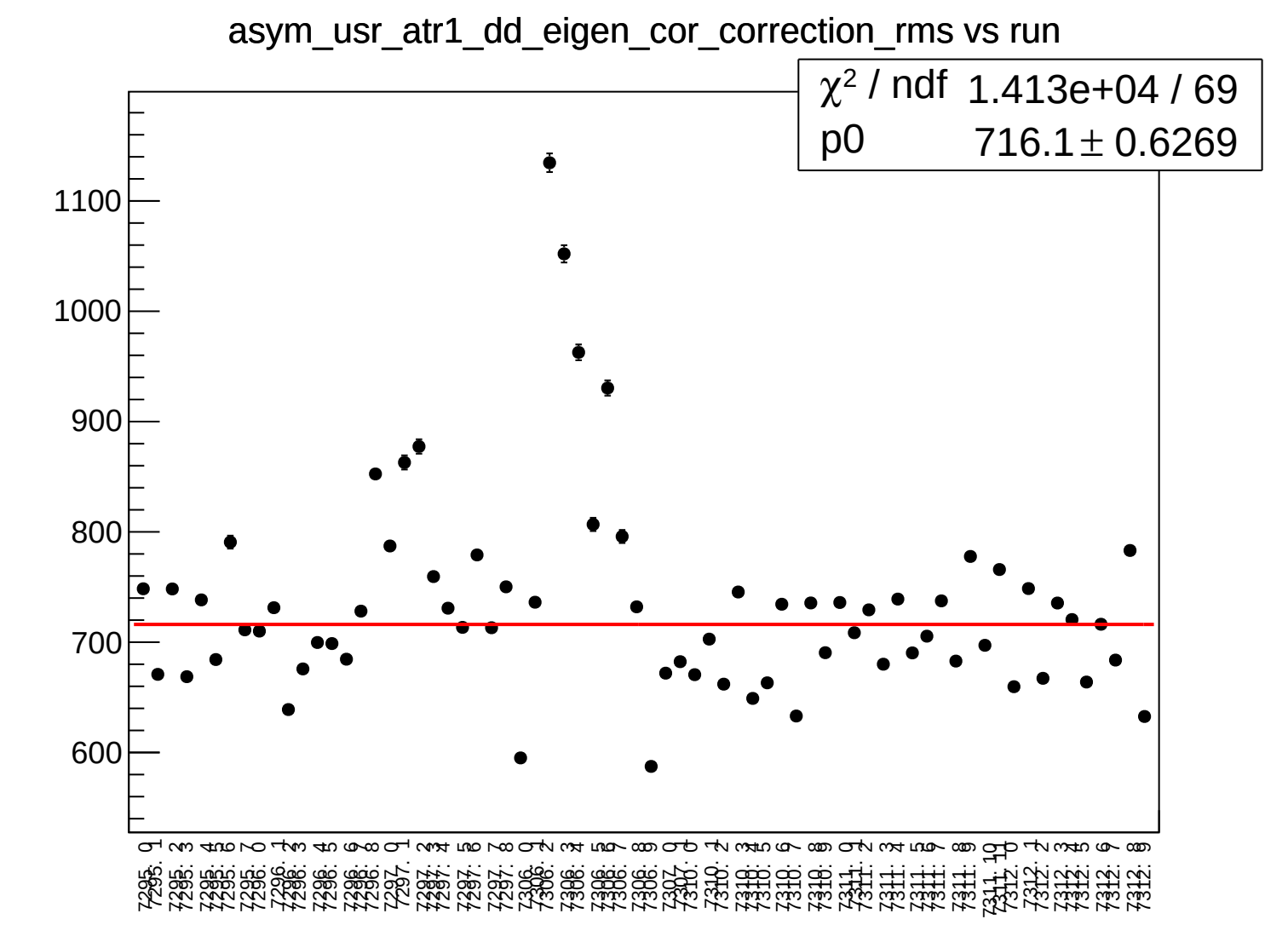
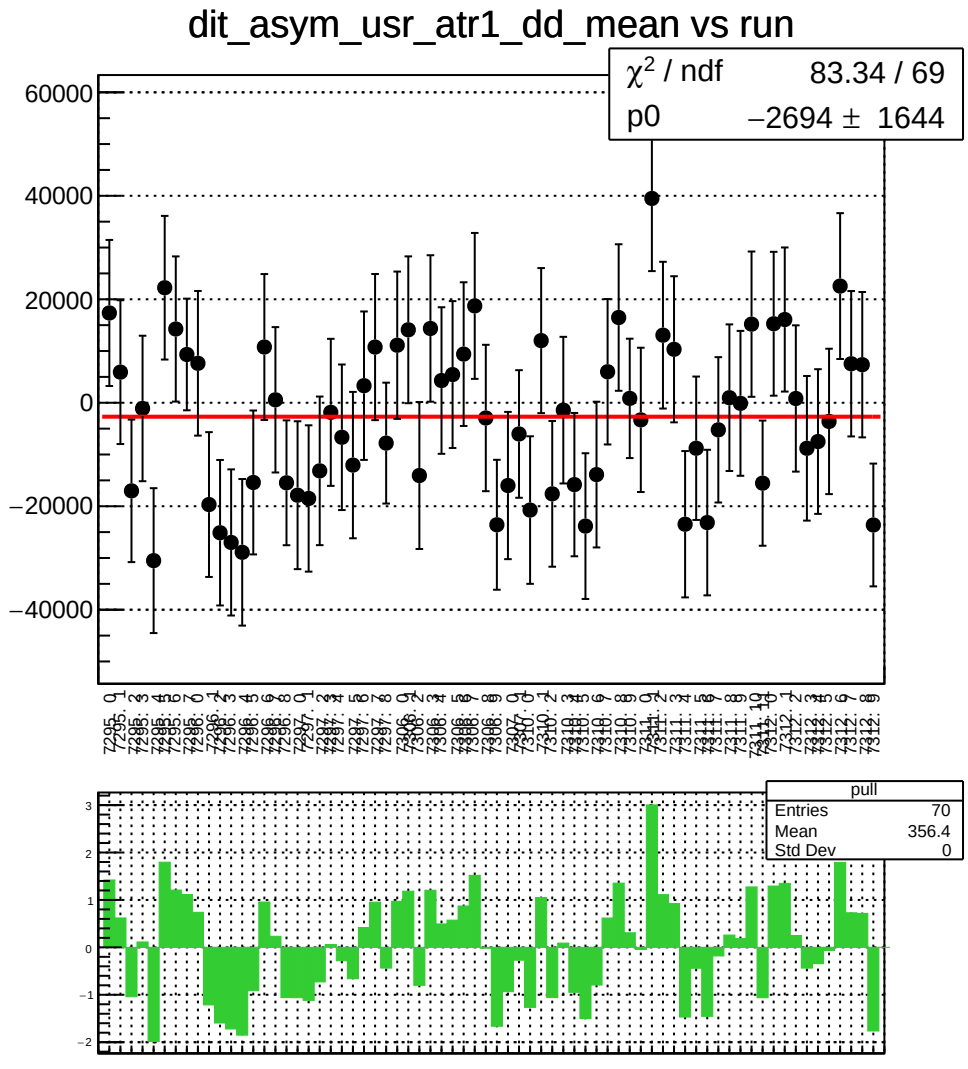
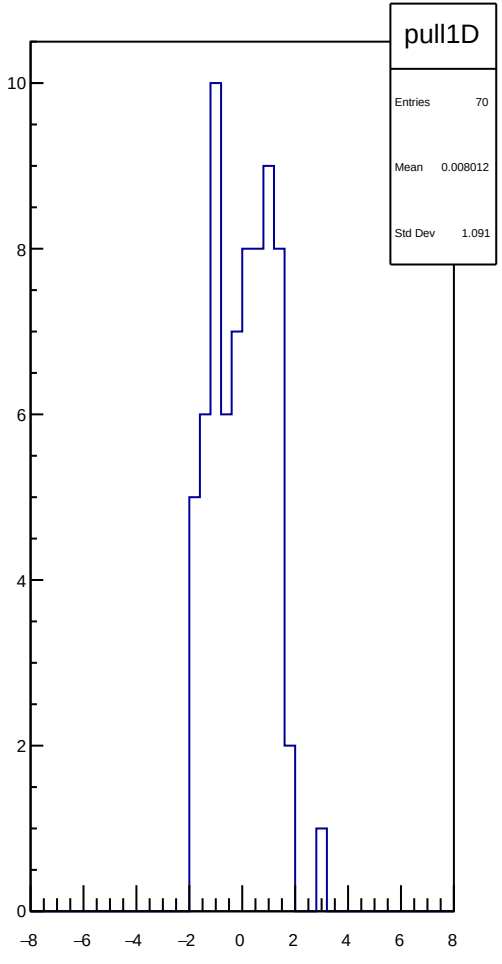
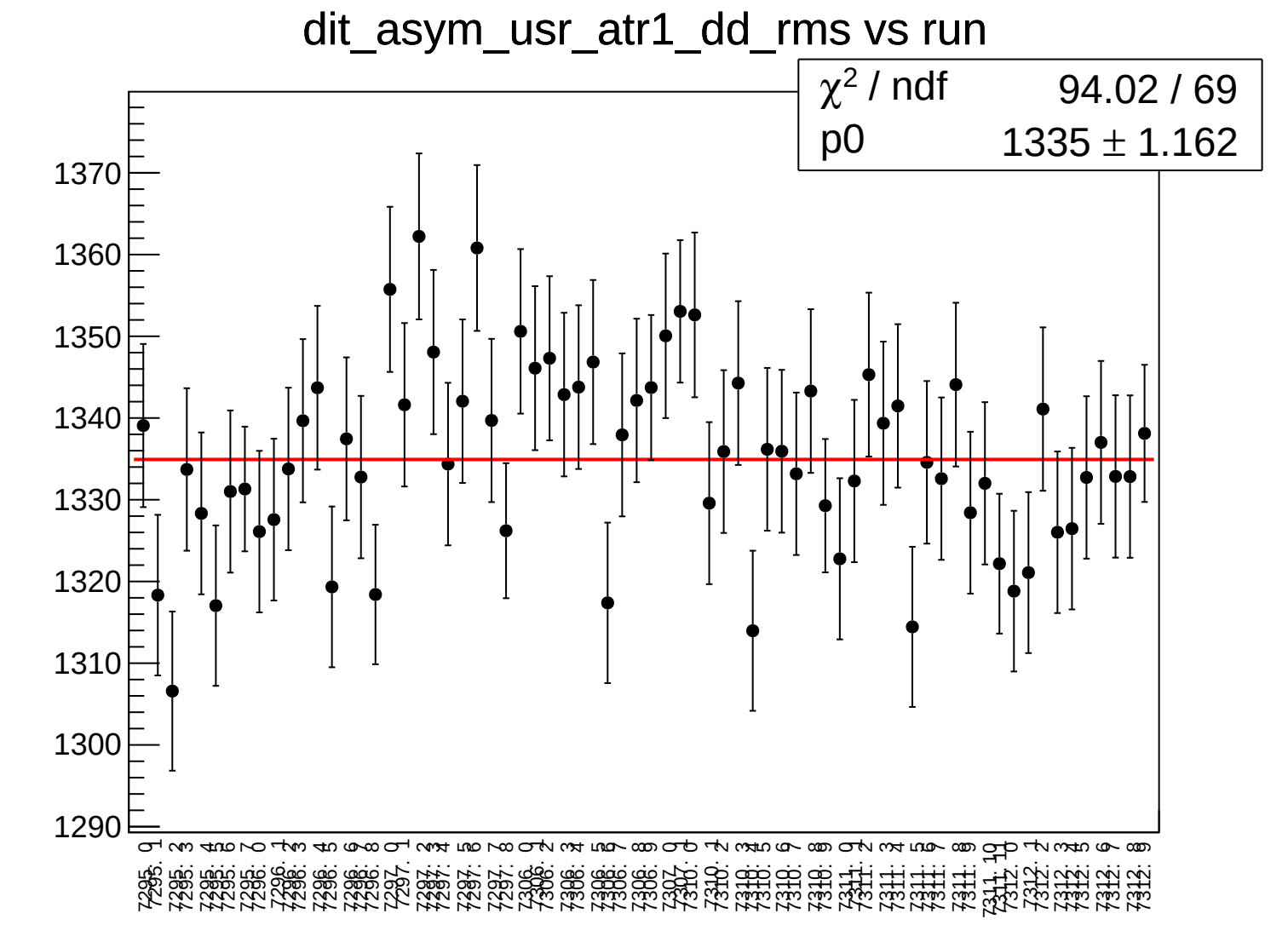
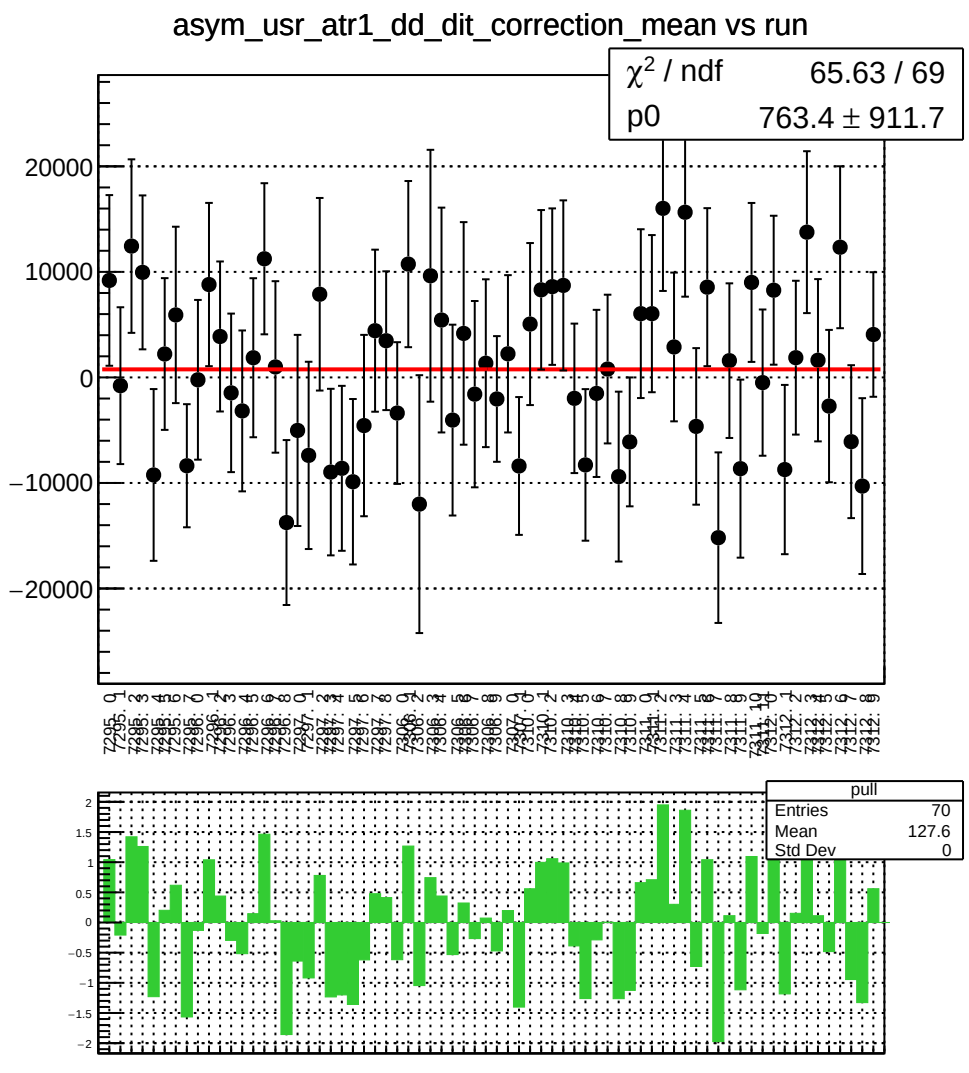
2
4
6
8

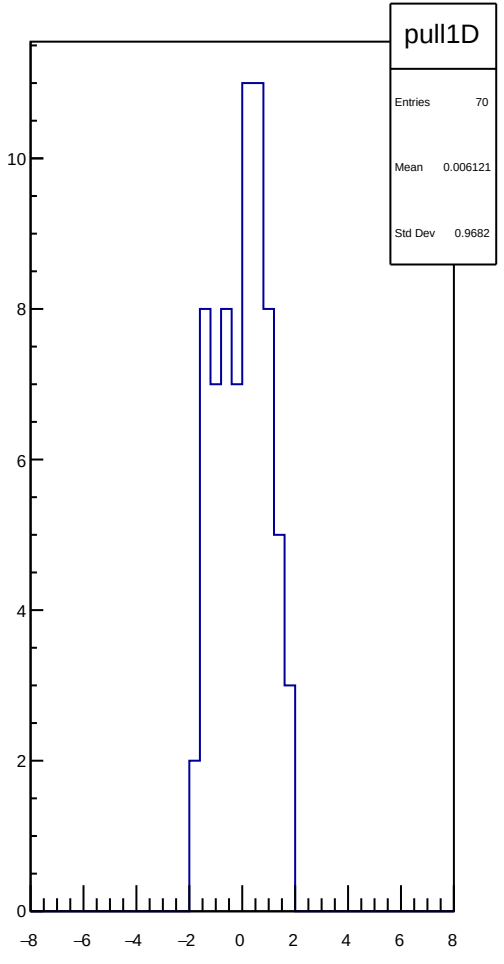

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.413e+04 / 69
p0 716.1 ± 0.6269
1100
1000
900
800
700
600

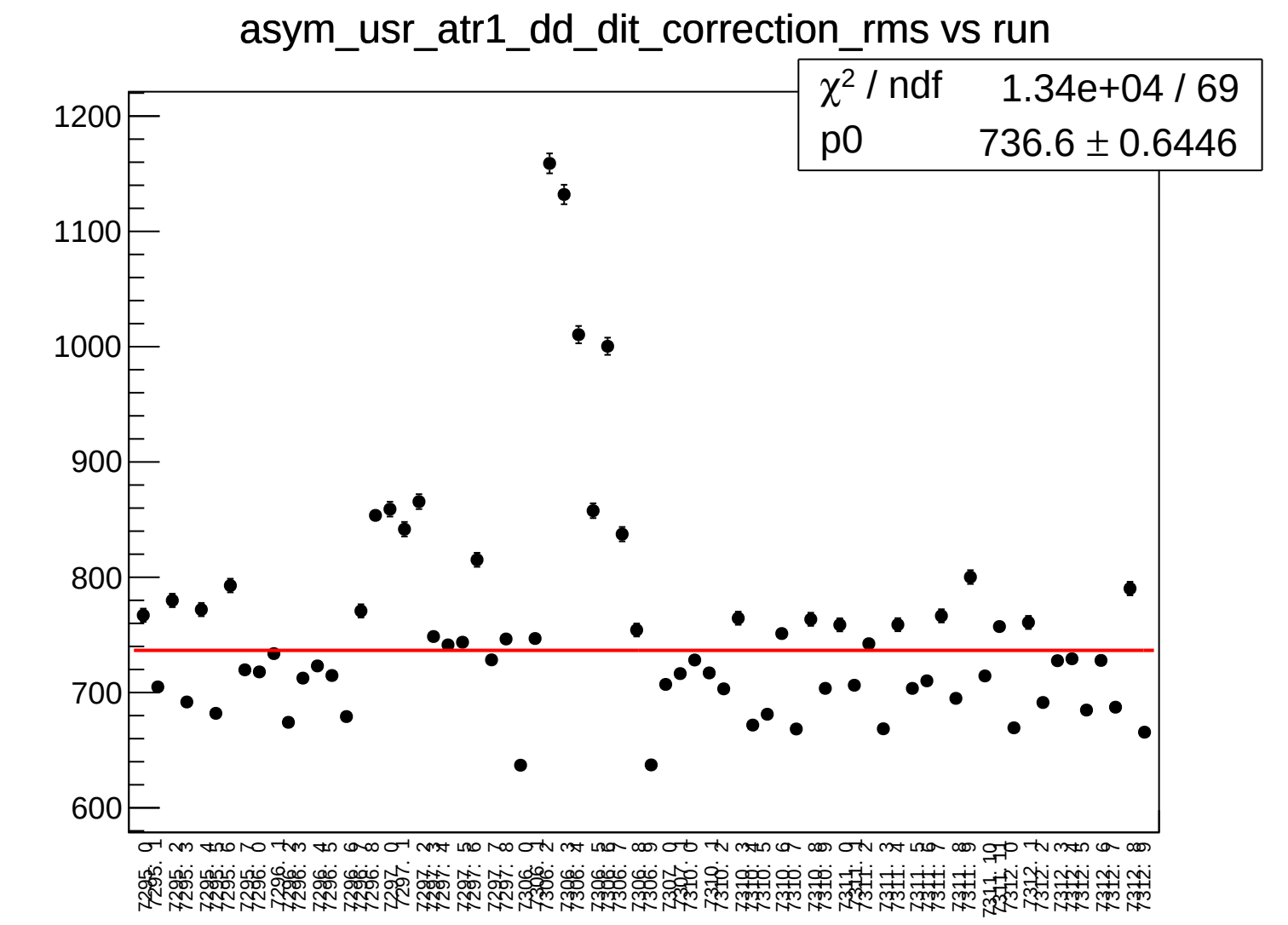

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 83.34 / 69
p0 −2694 ± 1644
pull
Entries 70
Mean 356.4
Std Dev 0

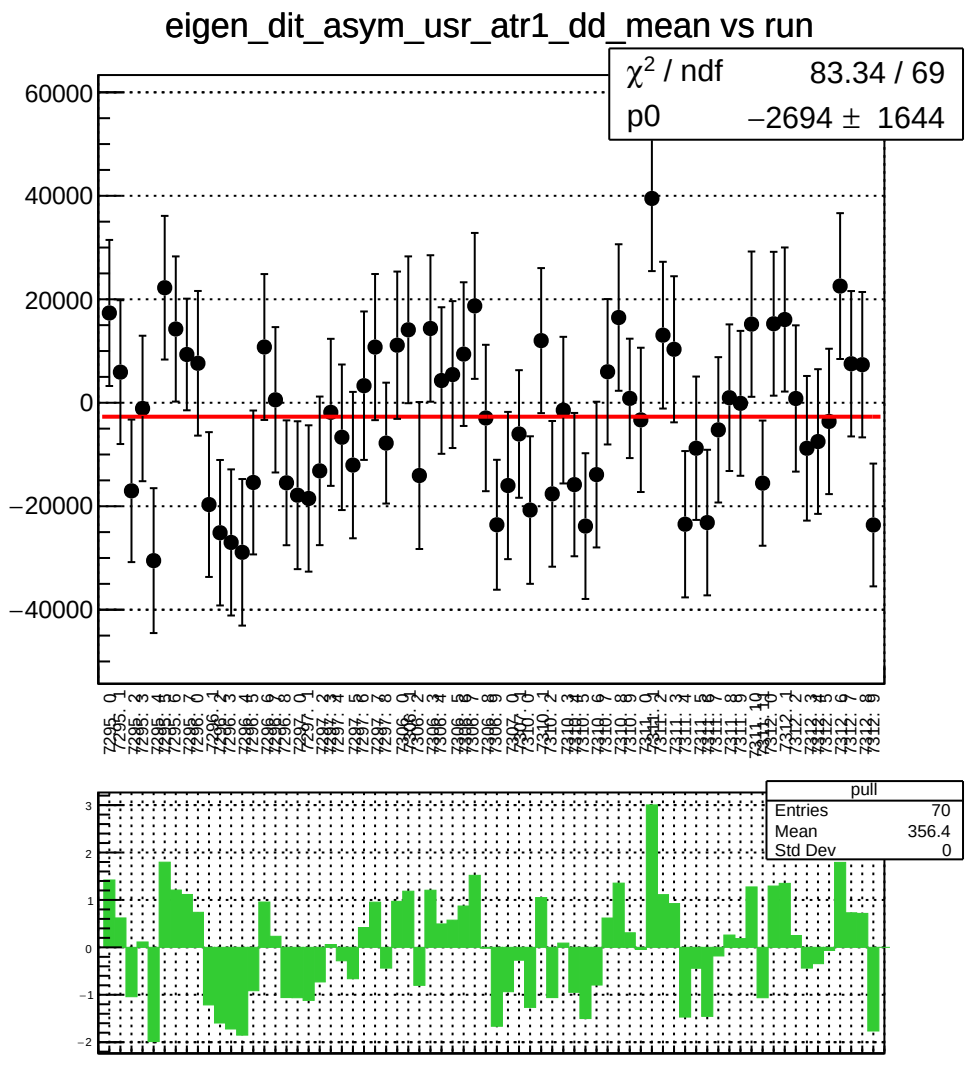

pull1D
Entries 70
Mean 0.008012
Std Dev 1.091

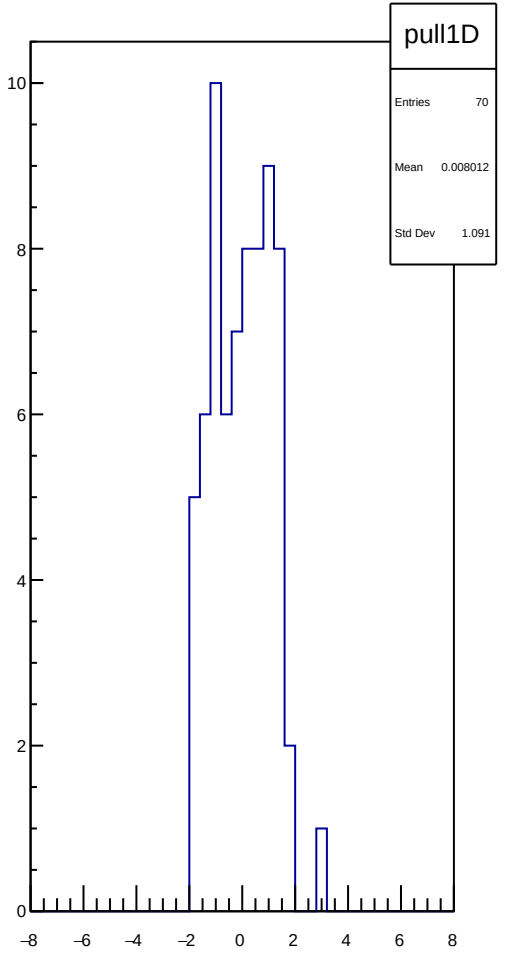

dit_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 94.02 / 69
p0 1335 ± 1.162
1370
1360
1350
1340
1330
1320
1310
1300
1290

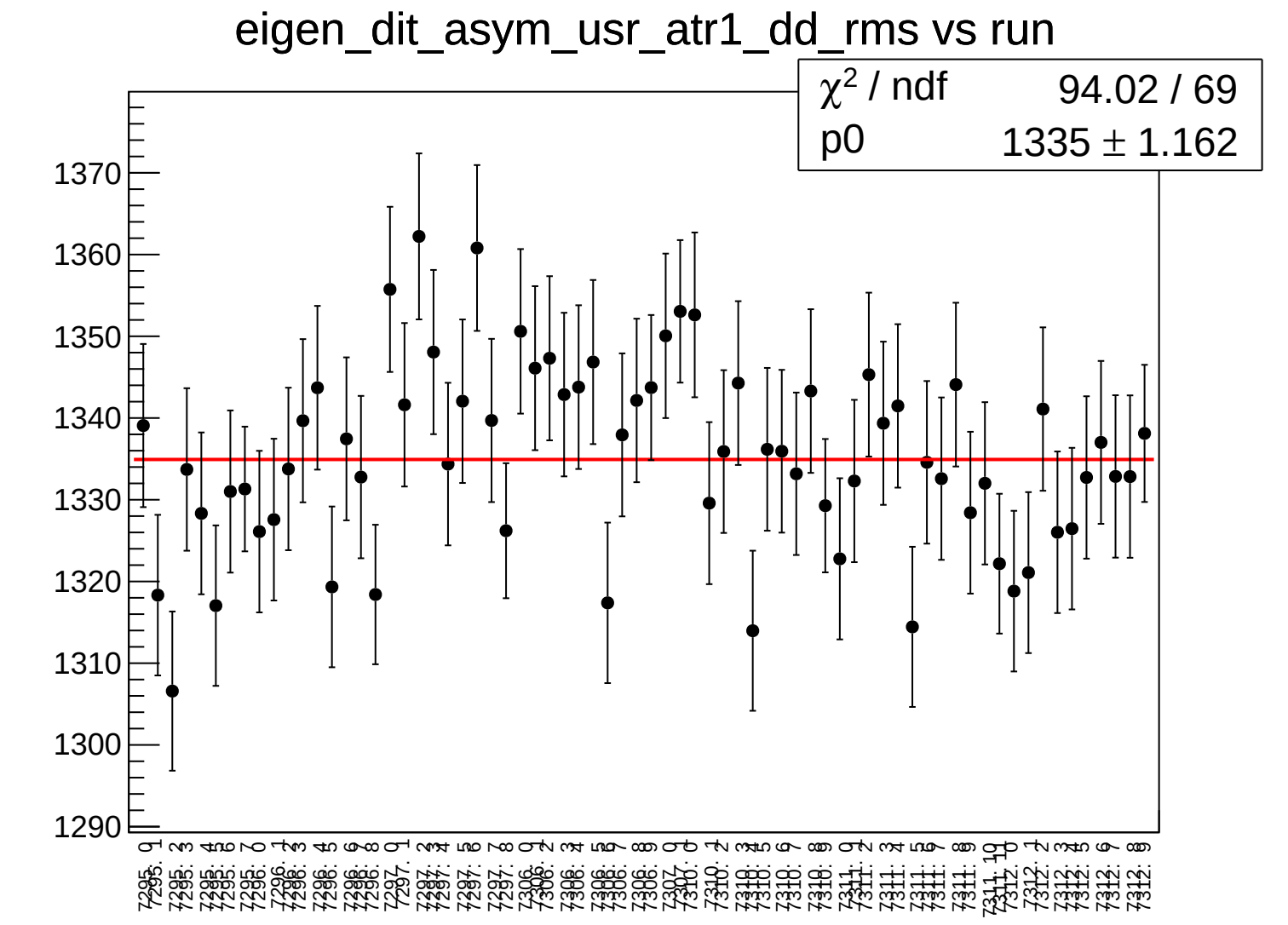

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 65.63 / 69
p0 763.4 ± 911.7
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 127.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

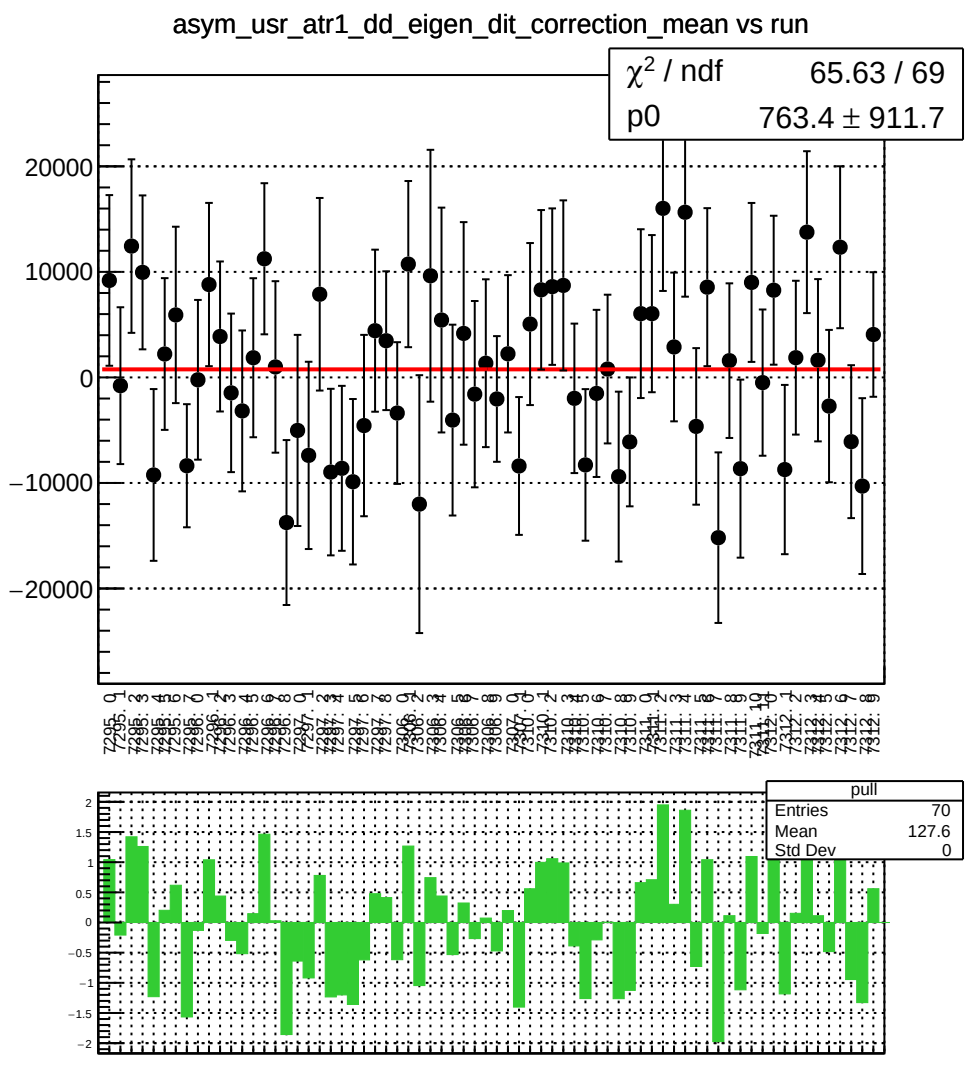

pull1D
Entries 70
Mean 0.006121
Std Dev 0.9682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

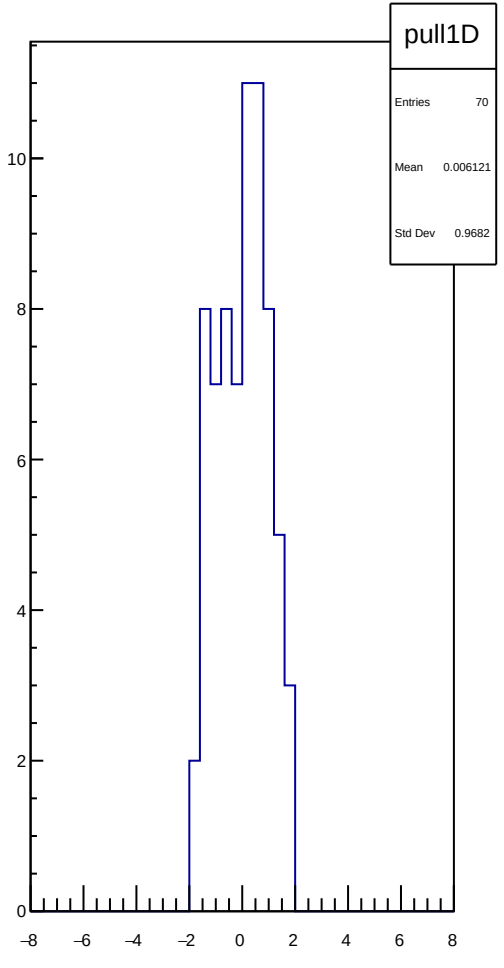

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 1.34e+04 / 69
p0 736.6 ± 0.6446
1200
1100
1000
900
800
700
600

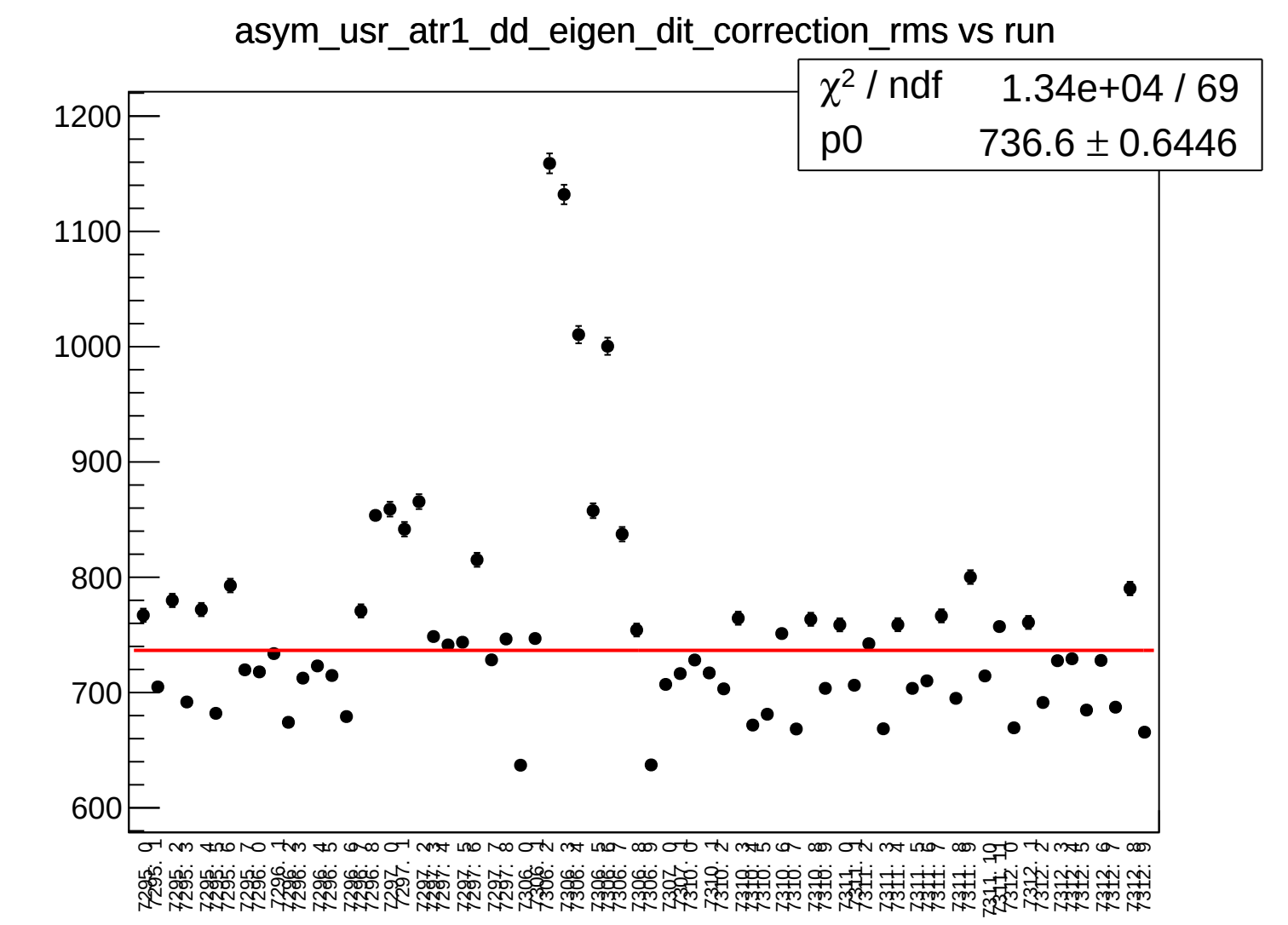

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 83.34 / 69
p0 −2694 ± 1644
pull
Entries 70
Mean 356.4
Std Dev 0

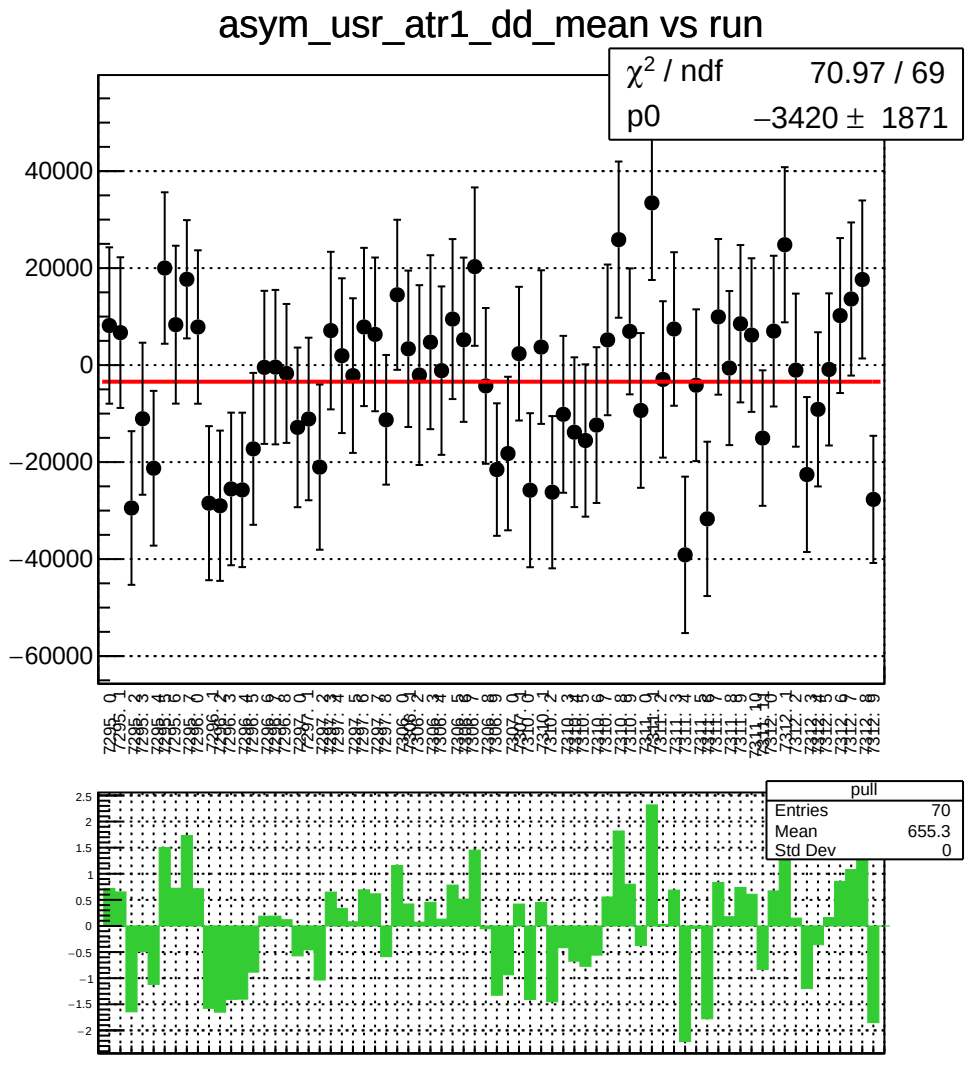

pull1D
Entries 70
Mean 0.008012
Std Dev 1.091

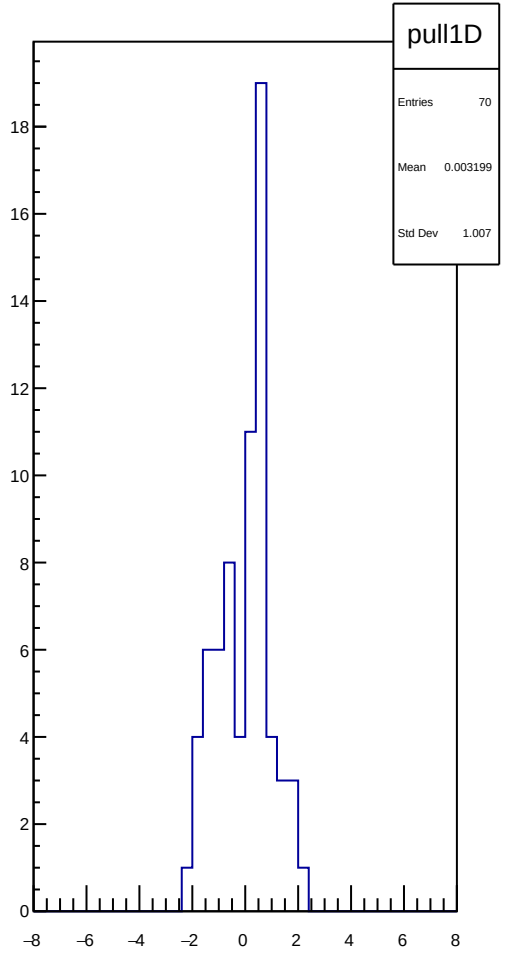

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 94.02 / 69
p0 1335 ± 1.162
1370
1360
1350
1340
1330
1320
1310
1300
1290

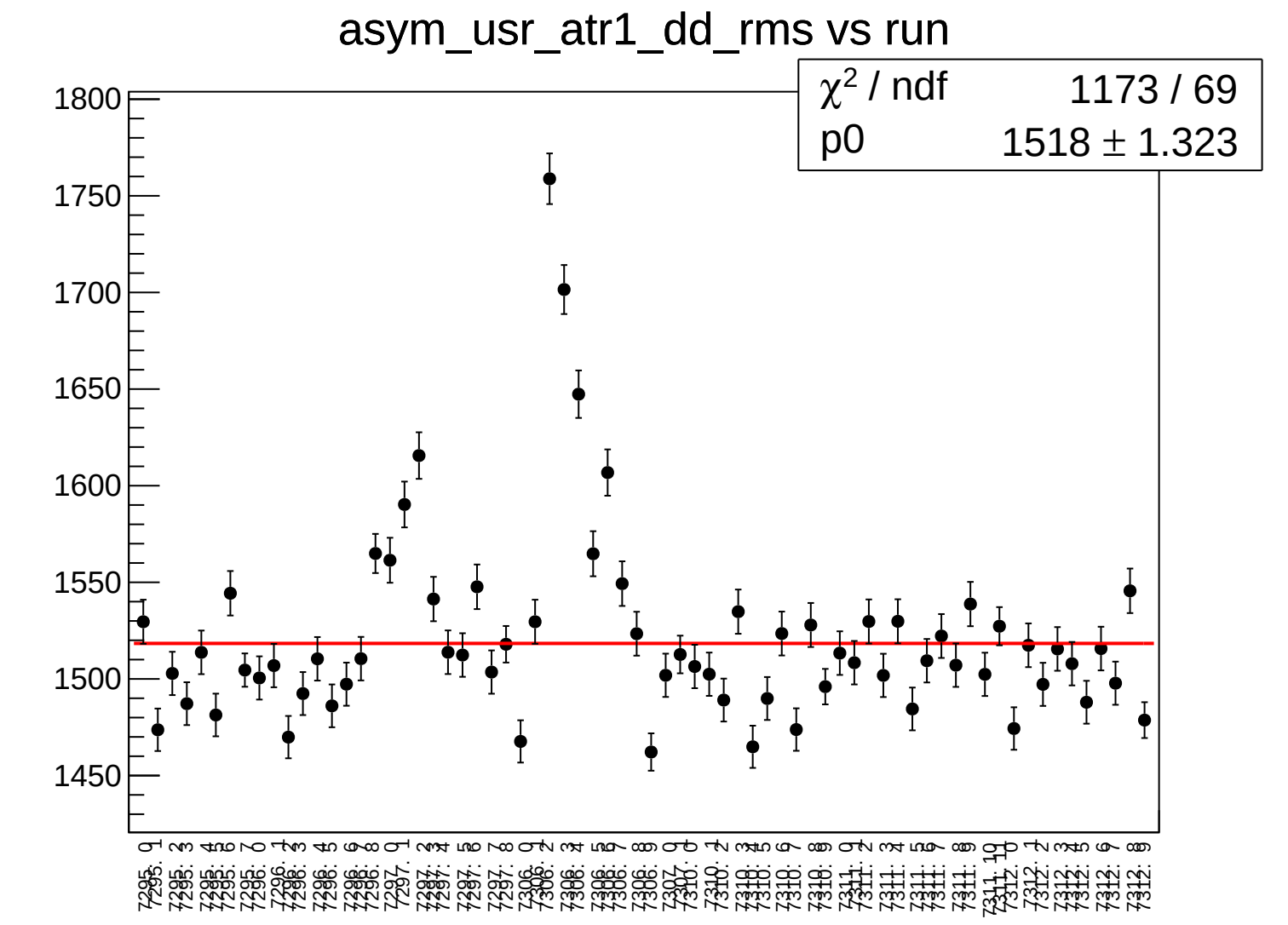

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.63 / 69
p0 763.4 ± 911.7
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 127.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

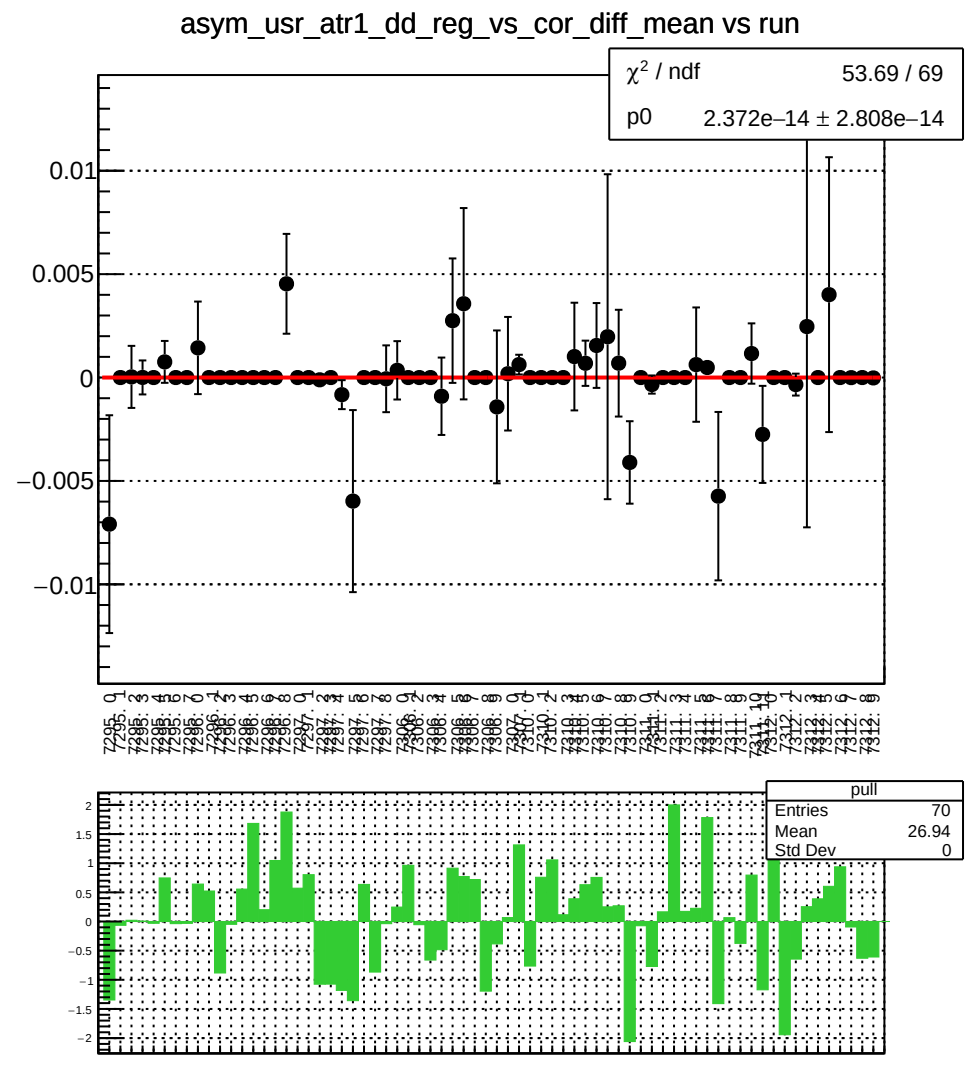

pull1D
Entries 70
Mean 0.006121
Std Dev 0.9682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

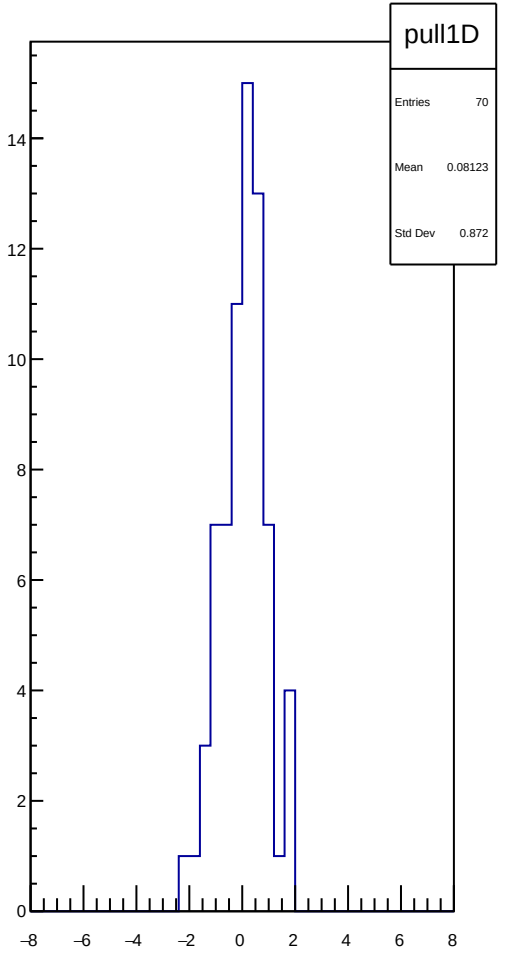

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.34e+04 / 69
p0 736.6 ± 0.6446
1200
1100
1000
900
800
700
600

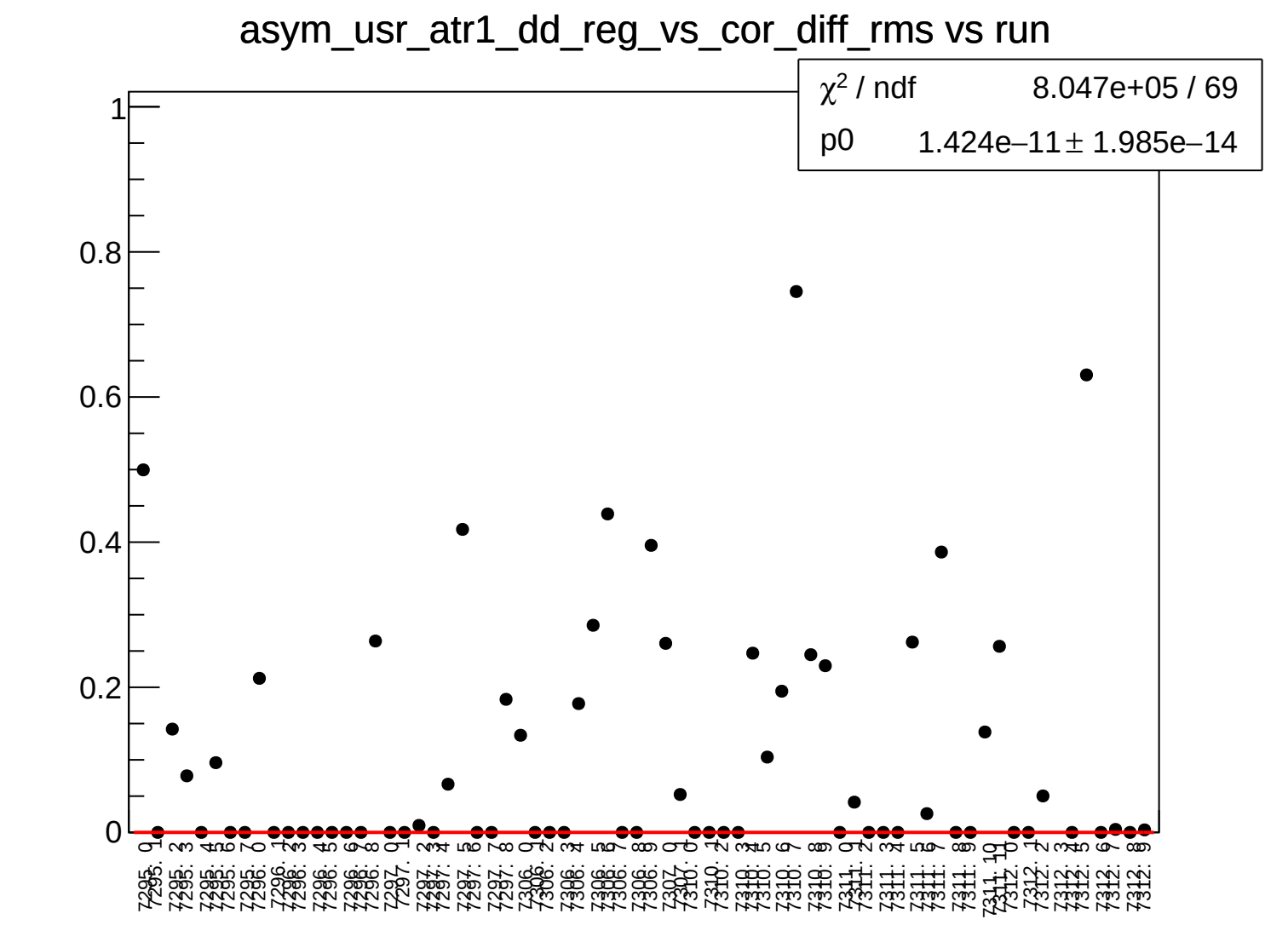

asym_usr_atr1_dd_mean vs run
χ² / ndf 70.97 / 69
p0 −3420 ± 1871
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 655.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

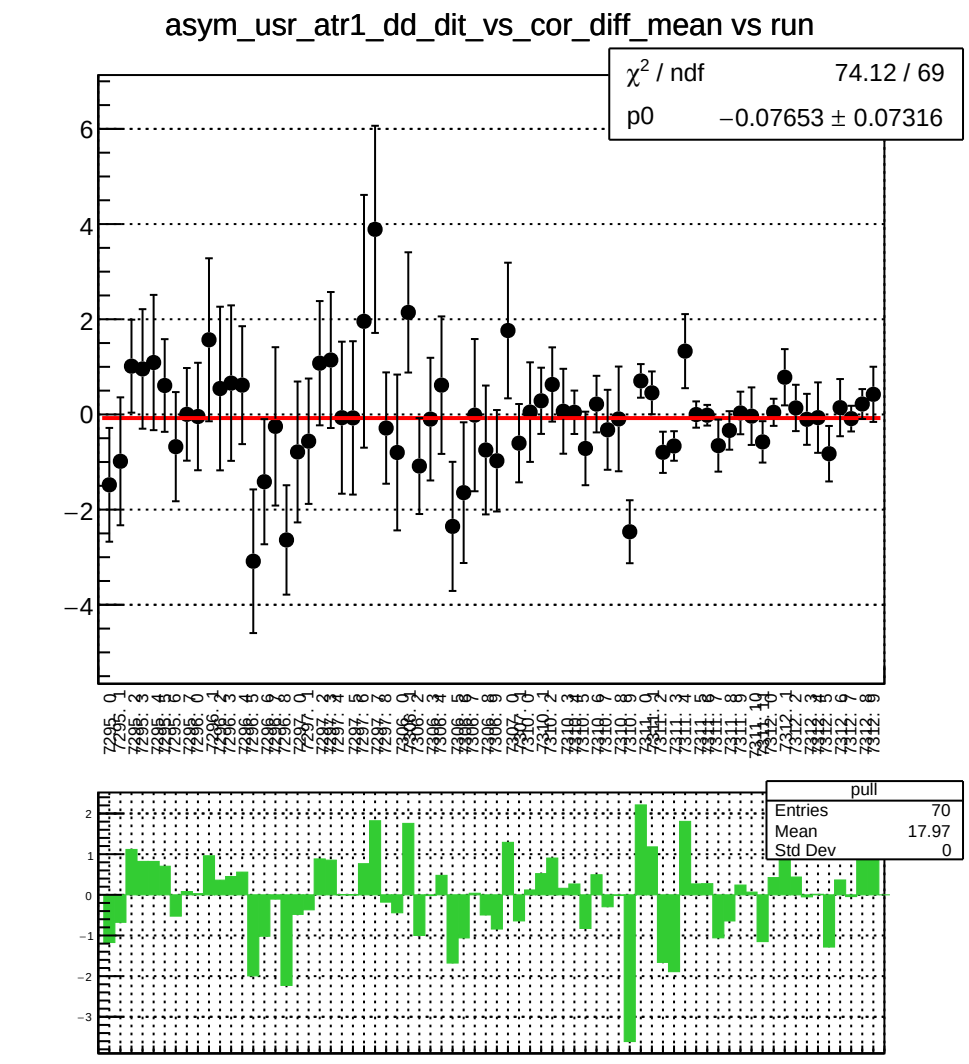

pull1D
Entries 70
Mean 0.003199
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

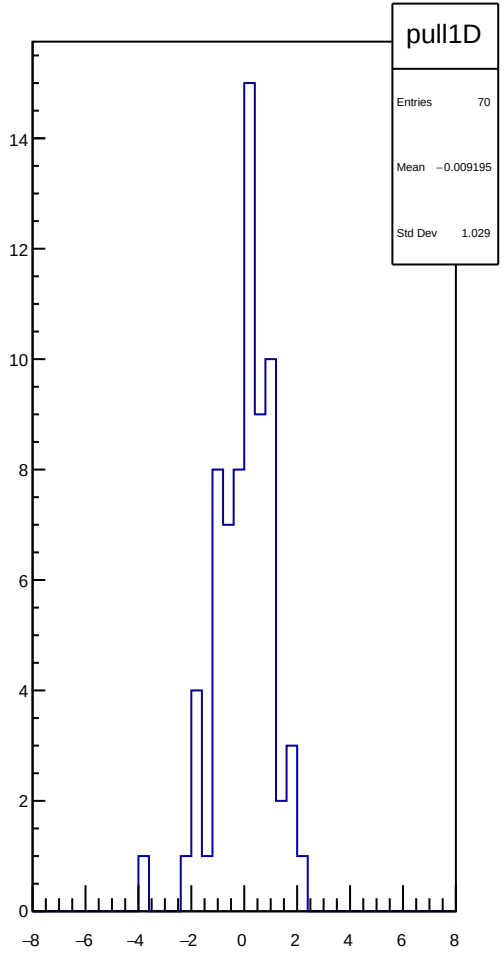

asym_usr_atr1_dd_rms vs run
χ² / ndf 1173 / 69
p0 1518 ± 1.323
1800
1750
1700
1650
1600
1550
1500
1450

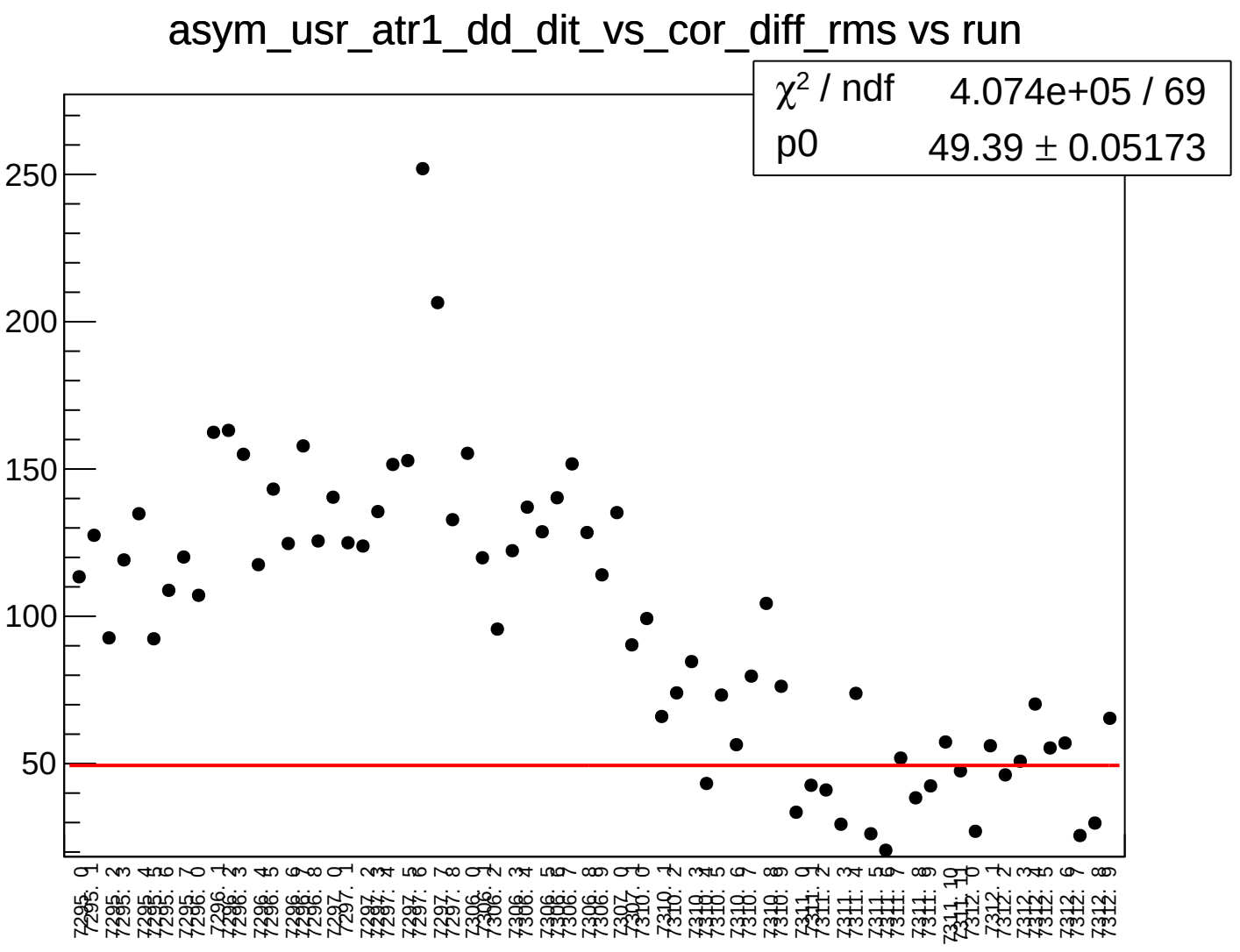

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.69 / 69
p0 2.372e−14 ± 2.808e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 70
Mean 26.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

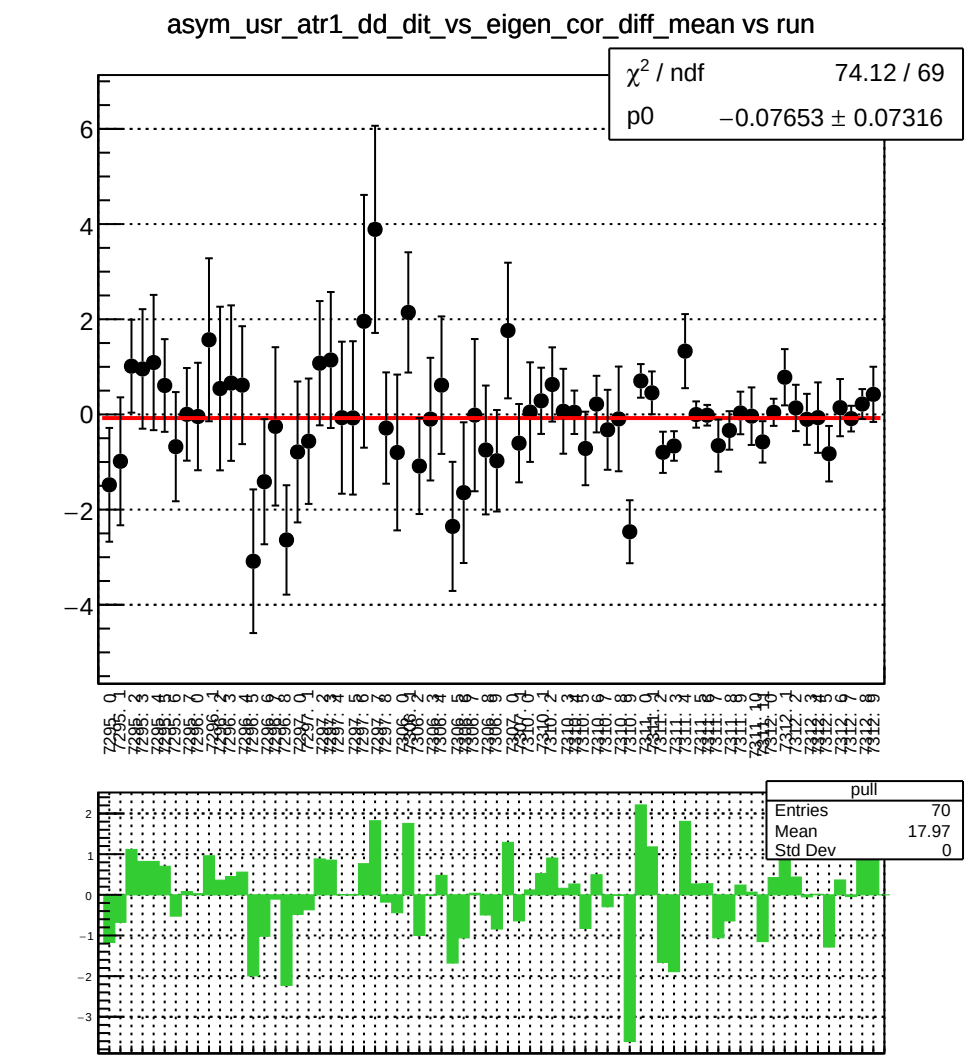

pull1D
Entries 70
Mean 0.08123
Std Dev 0.872
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

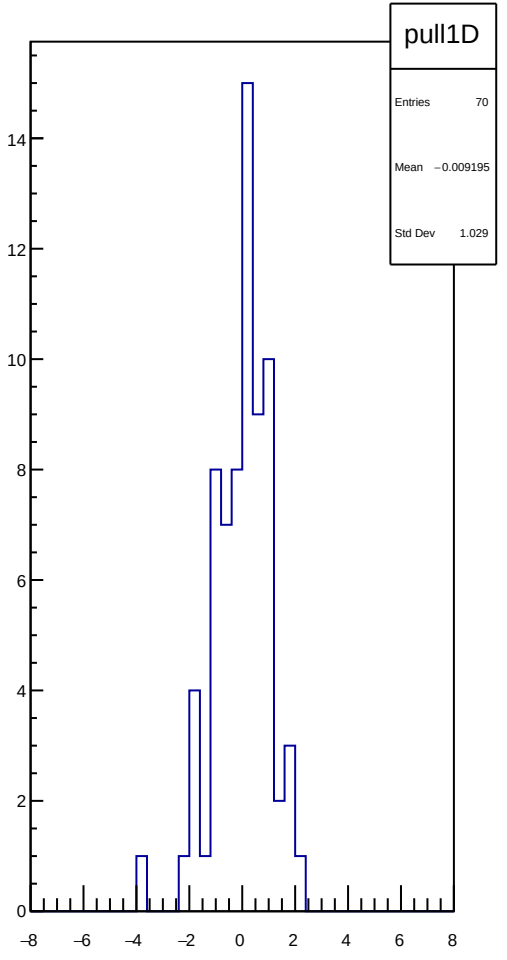

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.047e+05 / 69
p0 1.424e−11 ± 1.985e−14
1
0.8
0.6
0.4
0.2
0

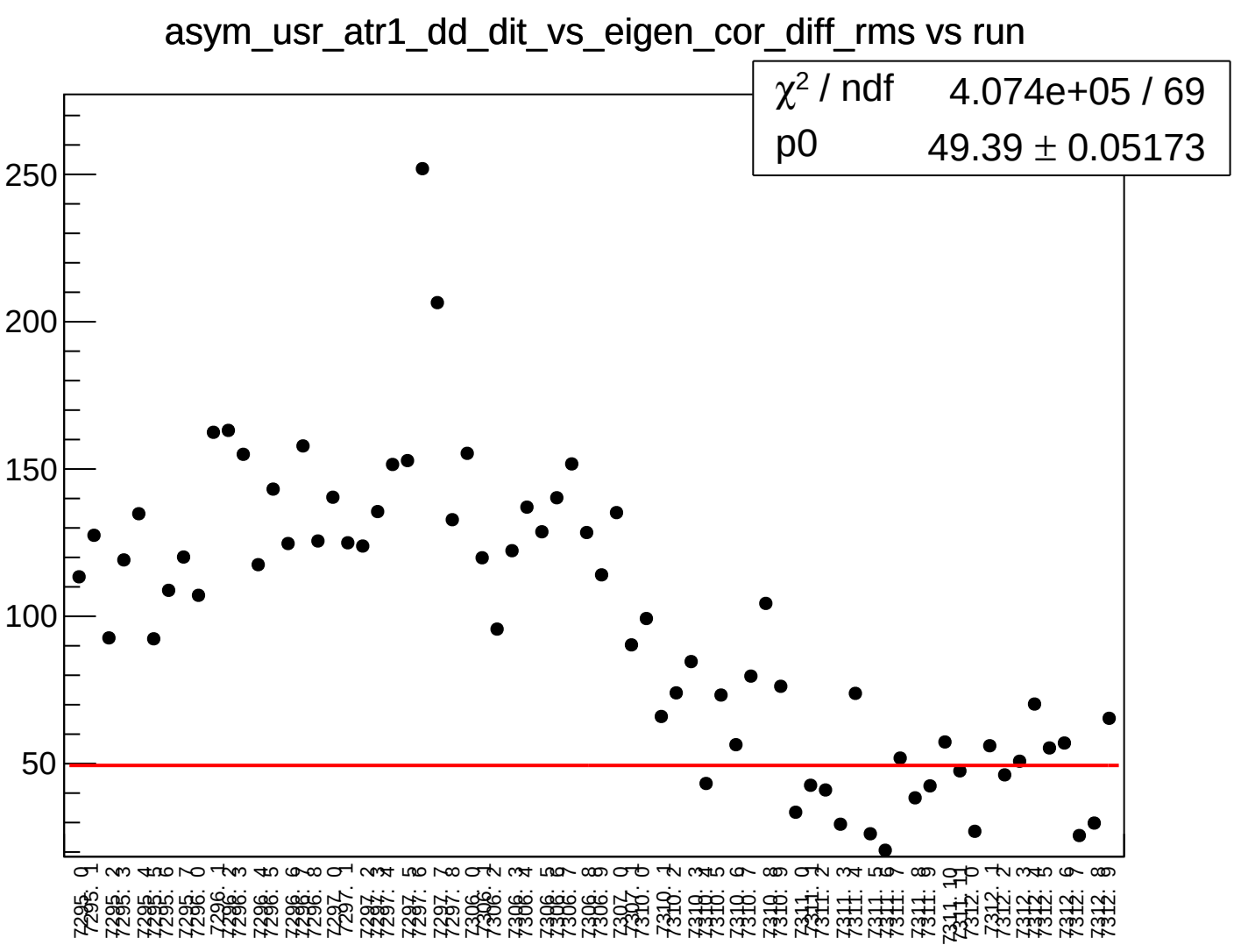

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.12 / 69
p0 −0.07653 ± 0.07316
pull
Entries 70
Mean 17.97
Std Dev 0

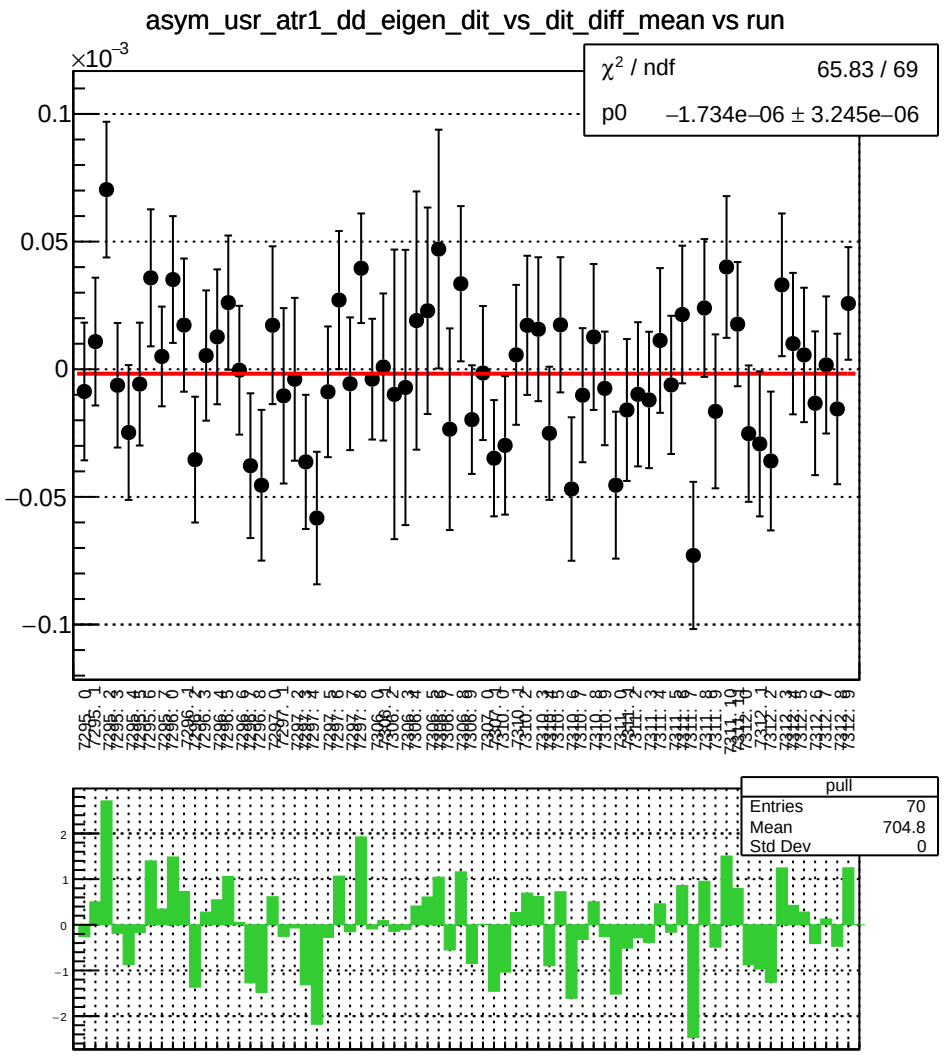

pull1D
Entries 70
Mean −0.009195
Std Dev 1.029

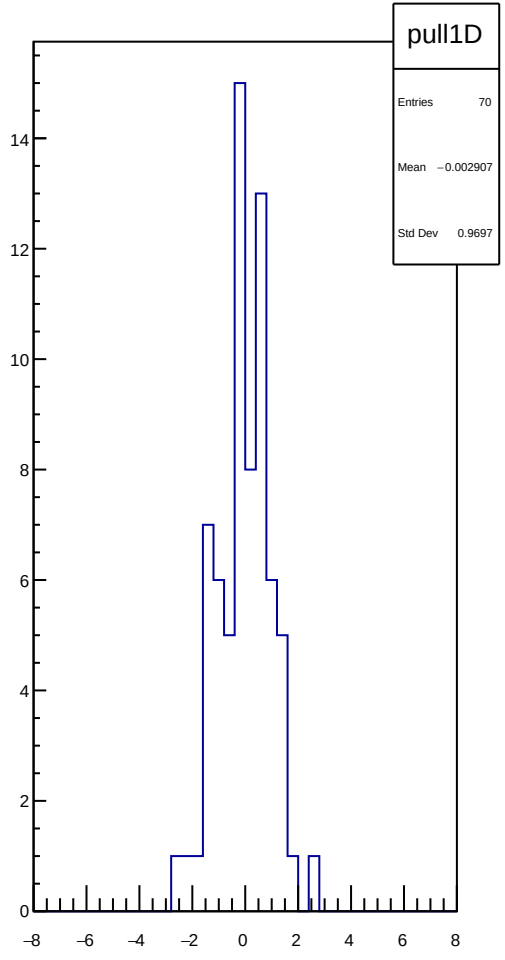

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.074e+05 / 69
p0 49.39 ± 0.05173
250
200
150
100
50

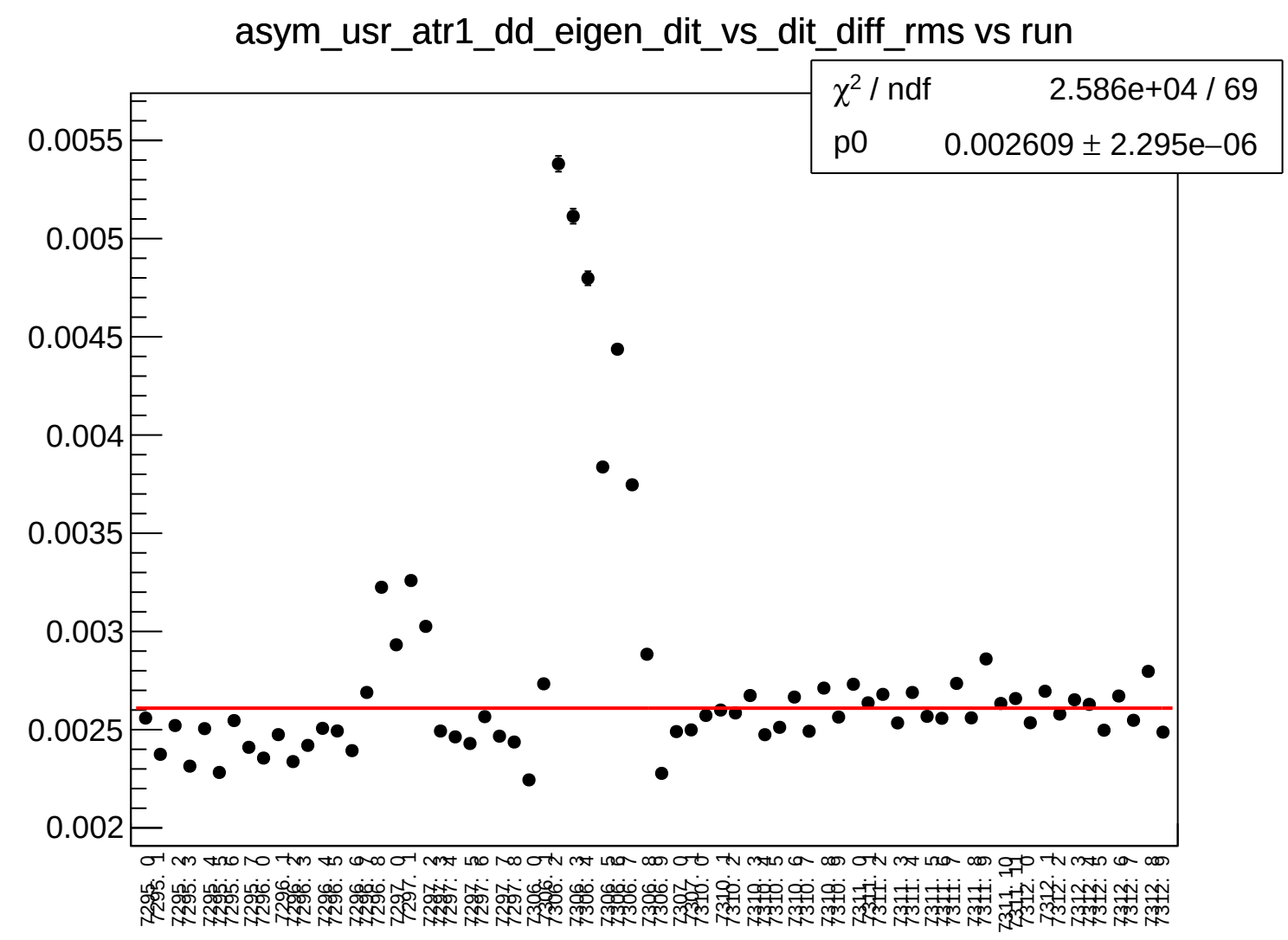

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.12 / 69
p0 −0.07653 ± 0.07316
pull
Entries 70
Mean 17.97
Std Dev 0

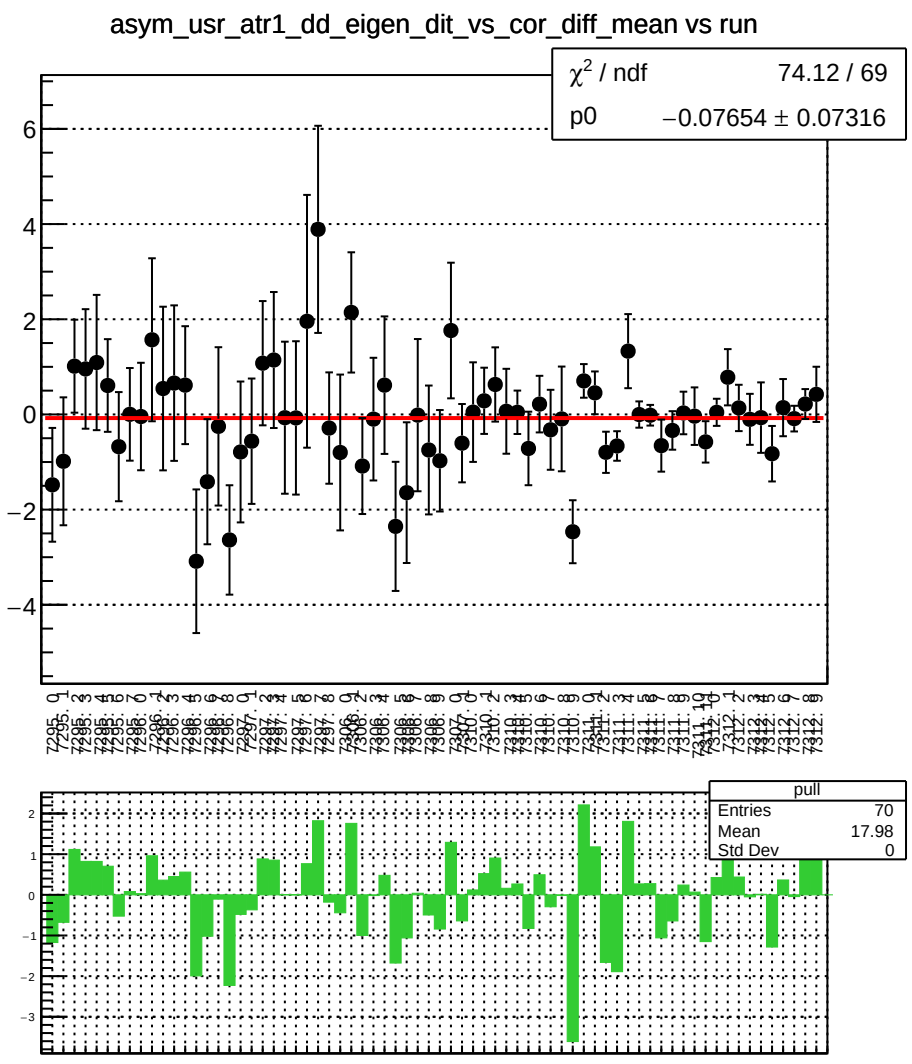

pull1D
Entries 70
Mean −0.009195
Std Dev 1.029

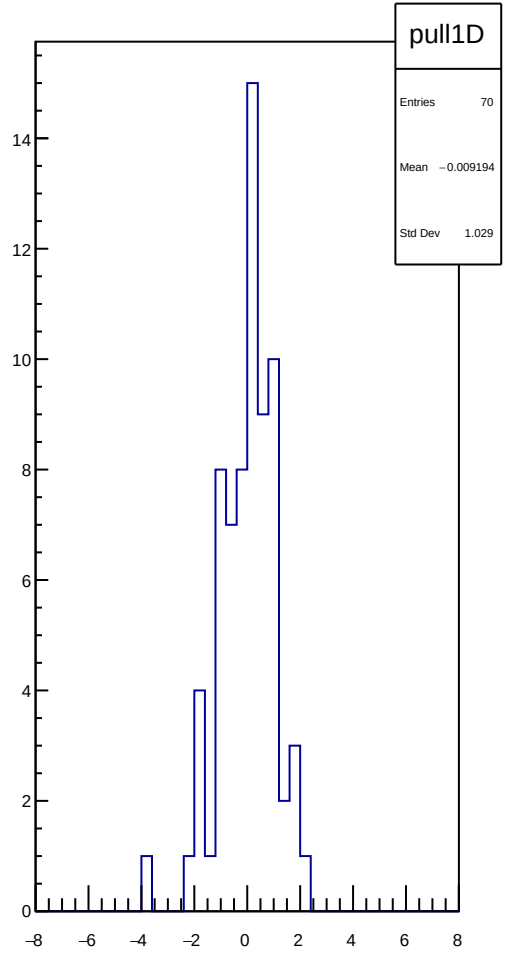

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.074e+05 / 69
p0 49.39 ± 0.05173
250
200
150
100
50

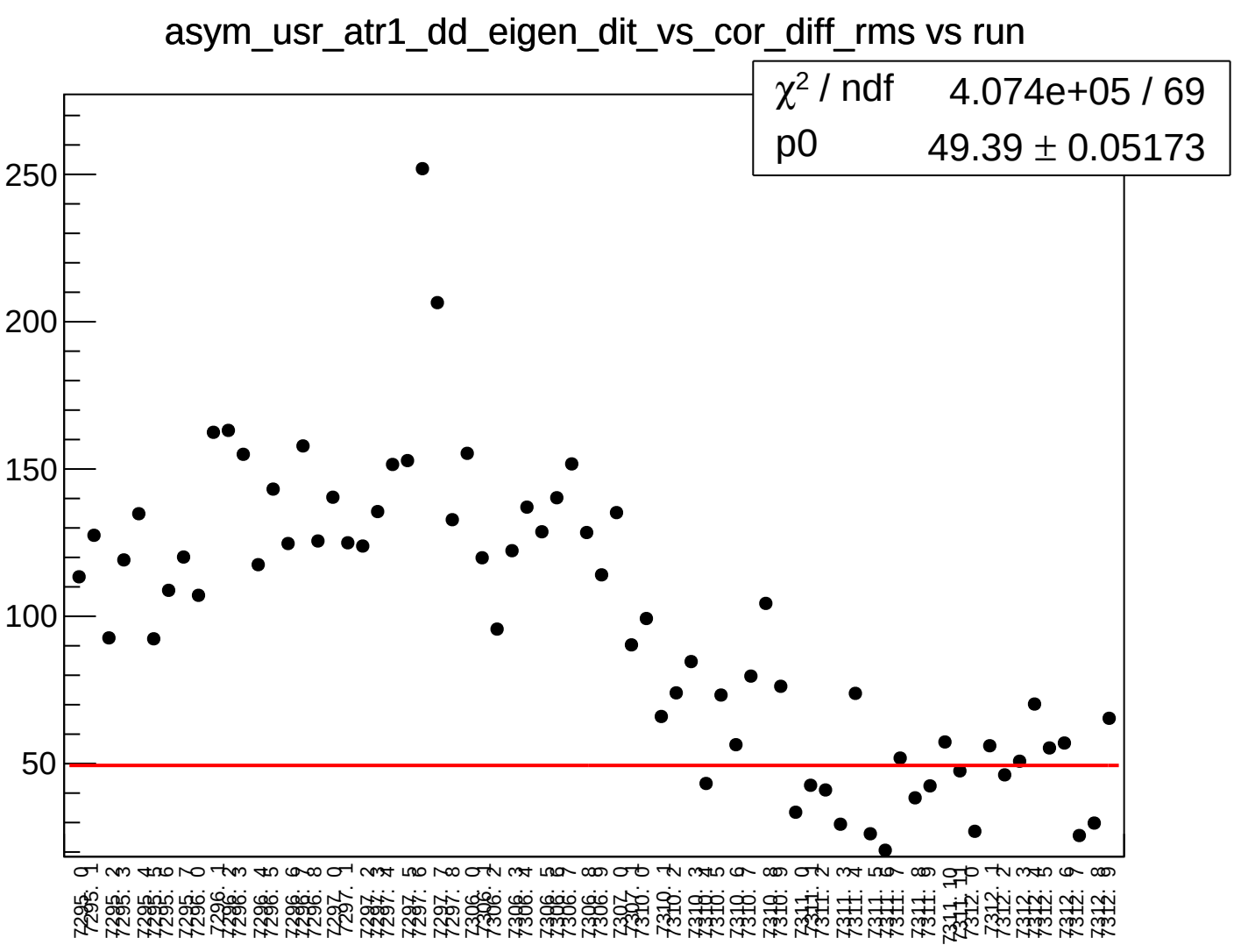

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.83 / 69
p0 −1.734e−06 ± 3.245e−06
pull
Entries 70
Mean 704.8
Std Dev 0

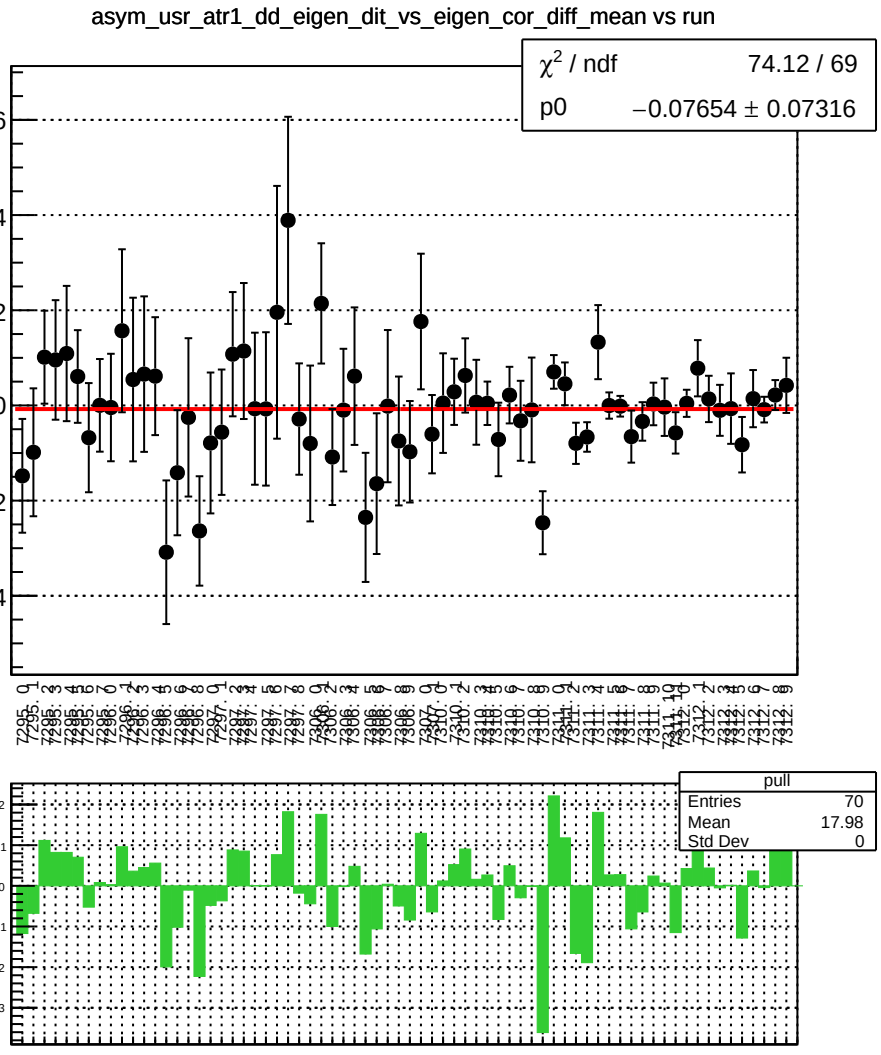

pull1D
Entries 70
Mean −0.002907
Std Dev 0.9697

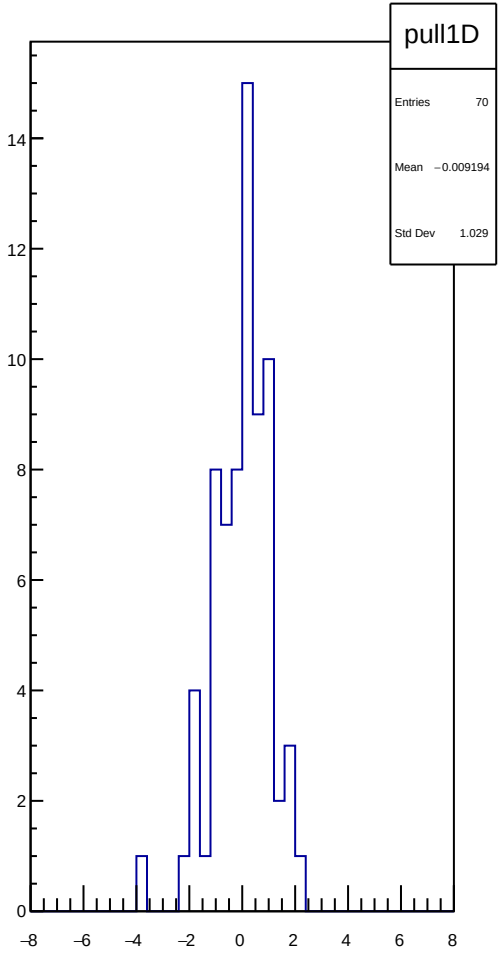

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.586e+04 / 69
p0 0.002609 ± 2.295e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

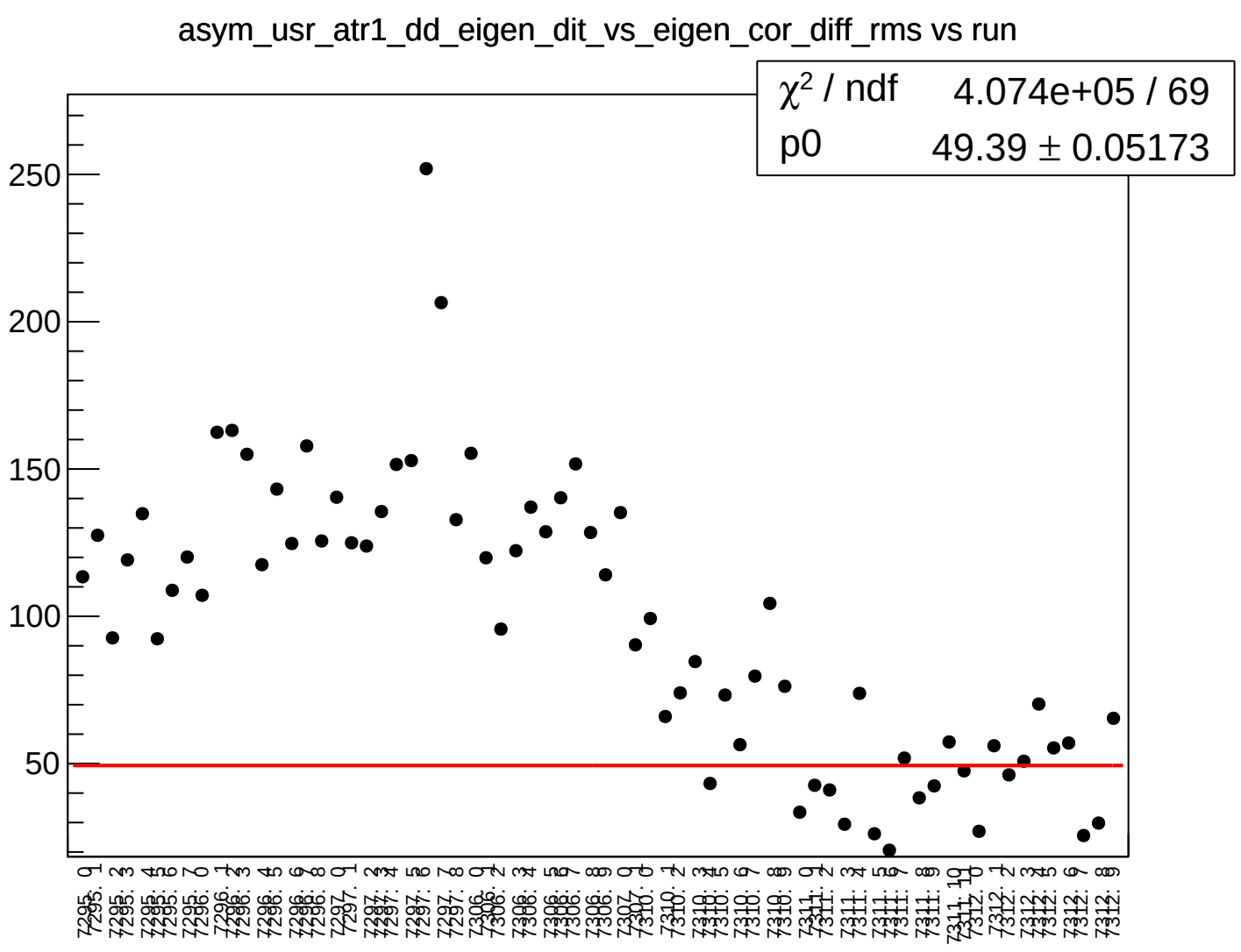

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.12 / 69
p0 −0.07654 ± 0.07316
pull
Entries 70
Mean 17.98
Std Dev 0

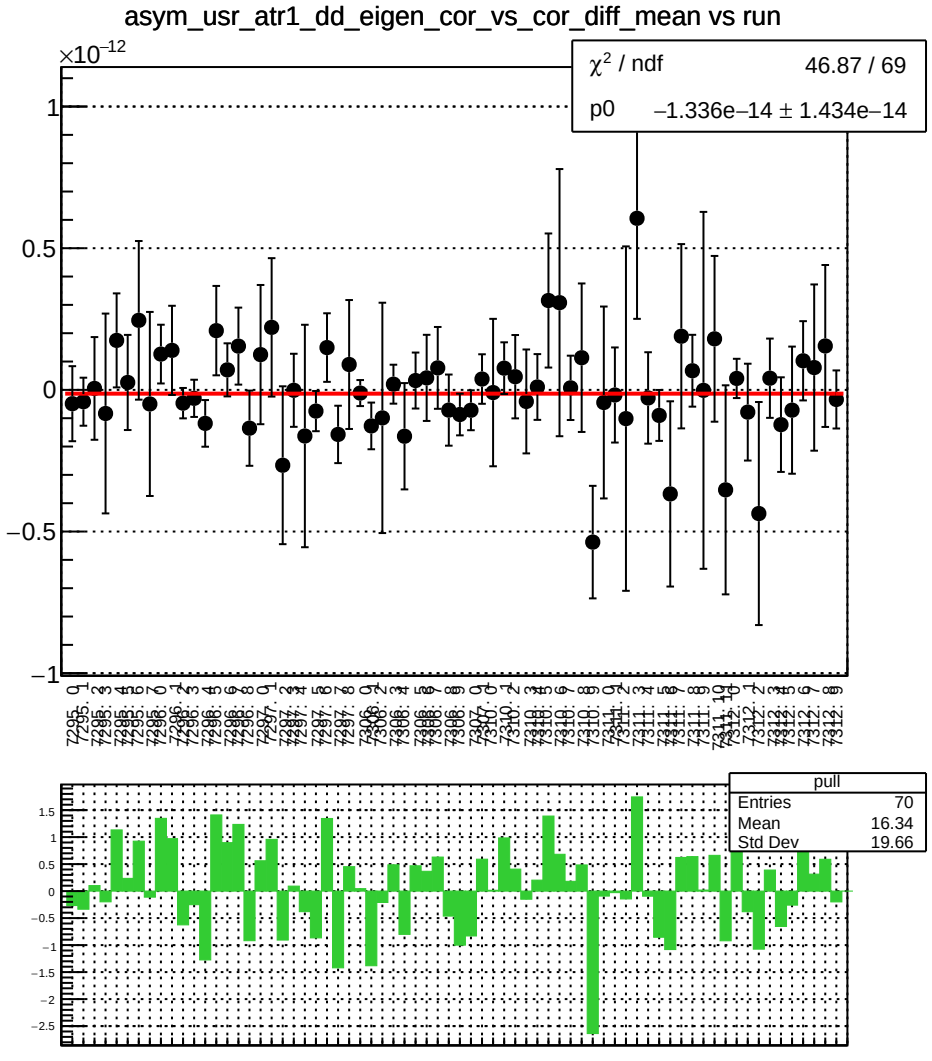

pull1D
Entries 70
Mean −0.009194
Std Dev 1.029

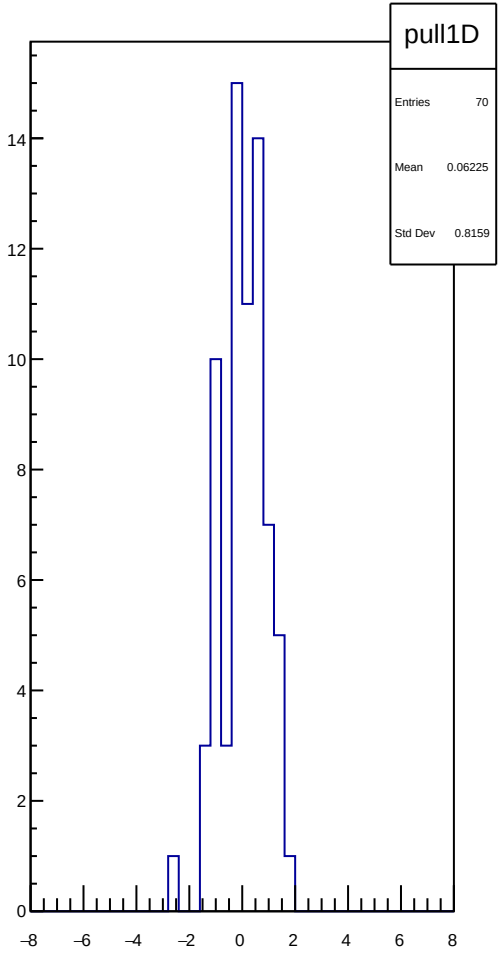

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.074e+05 / 69
p0 49.39 ± 0.05173
250
200
150
100
50

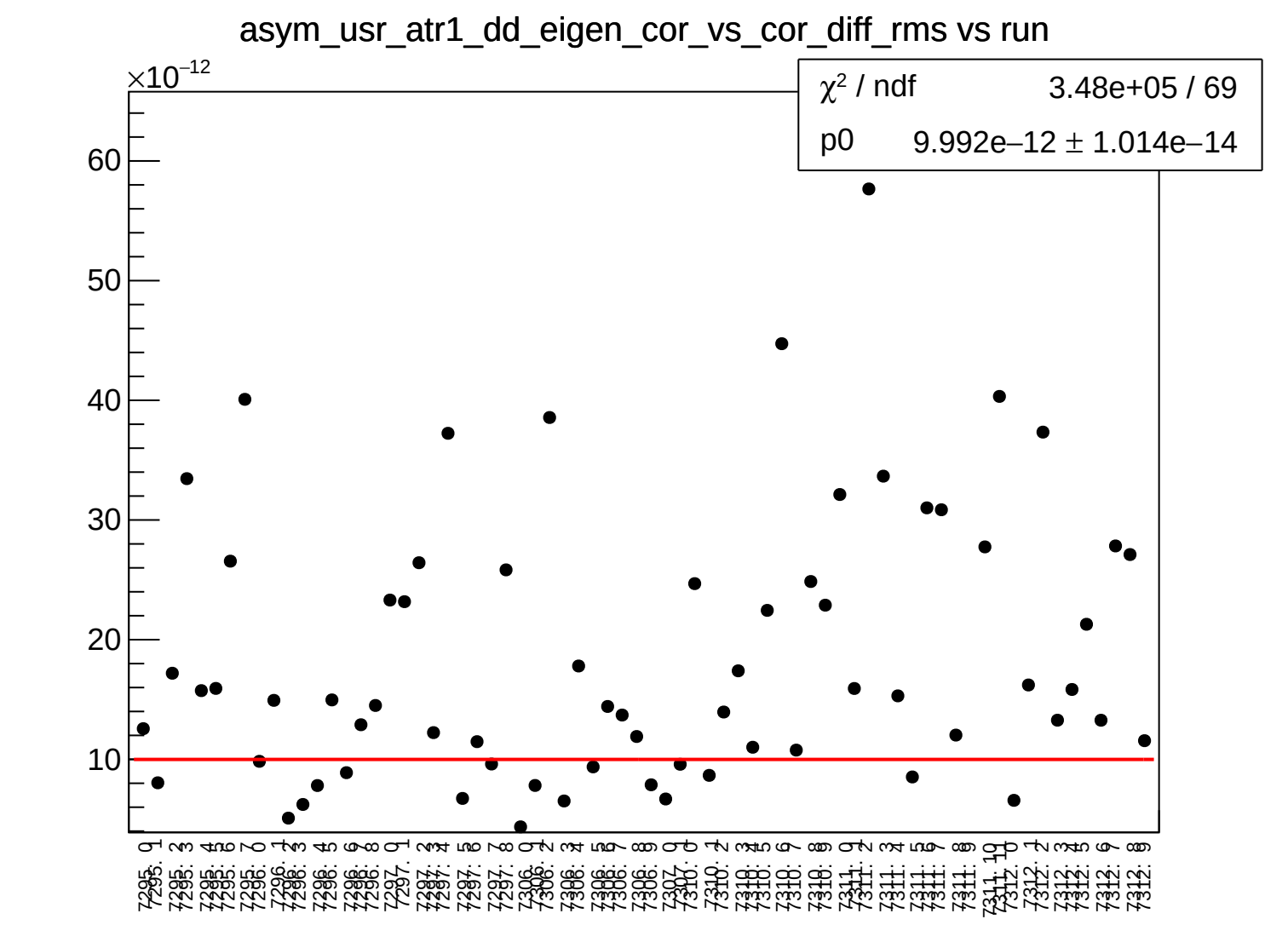

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.12 / 69
p0 −0.07654 ± 0.07316
pull
Entries 70
Mean 17.98
Std Dev 0

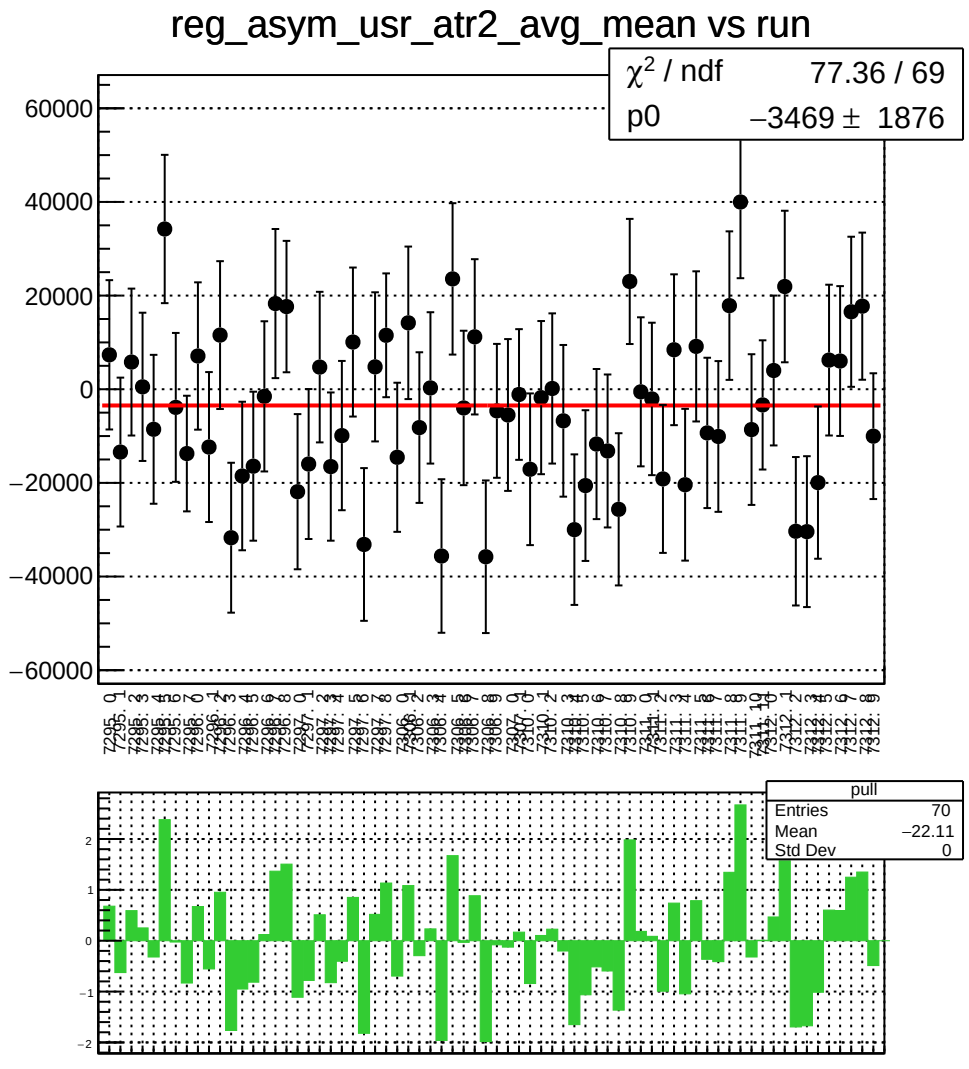

pull1D
Entries 70
Mean −0.009194
Std Dev 1.029

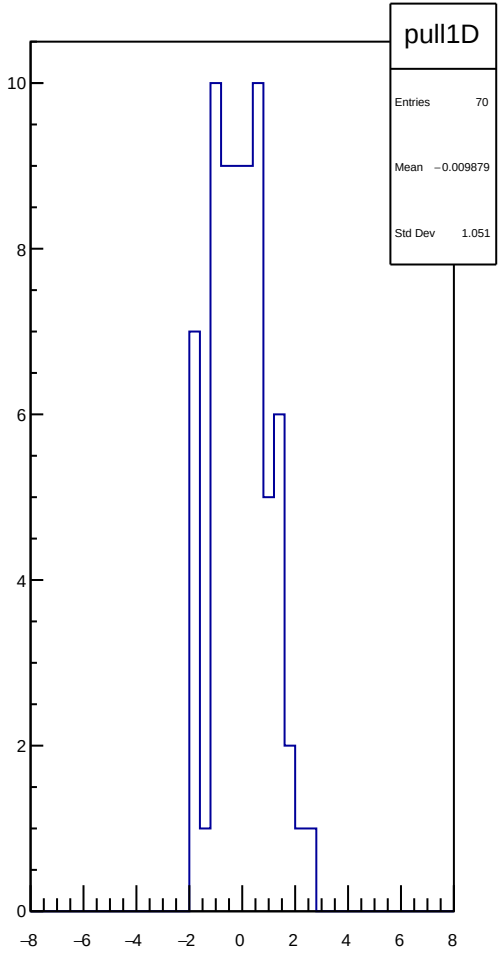

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.074e+05 / 69
p0 49.39 ± 0.05173
250
200
150
100
50

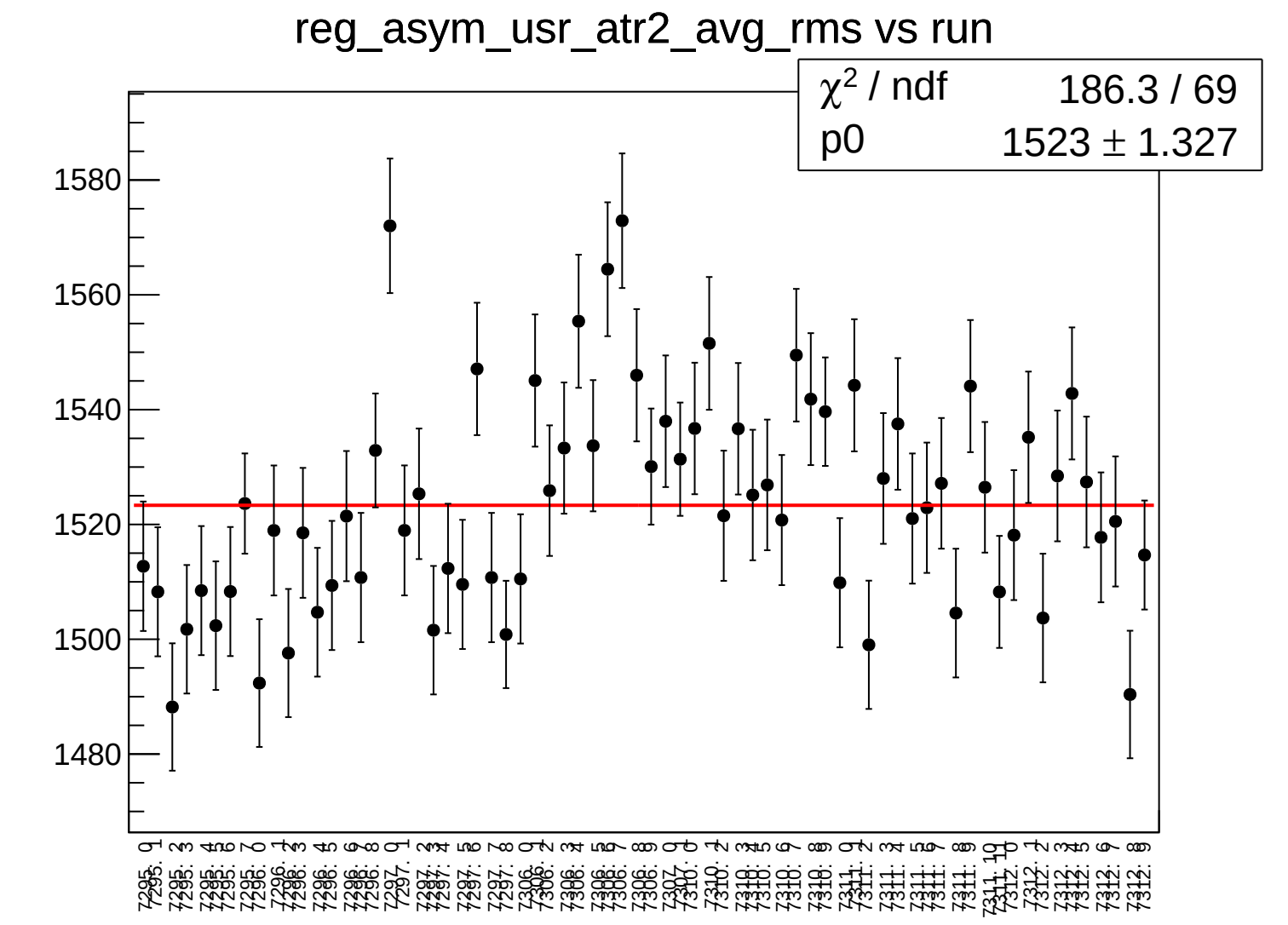

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.87 / 69
p0 −1.336e−14 ± 1.434e−14
pull
Entries 70
Mean 16.34
Std Dev 19.66

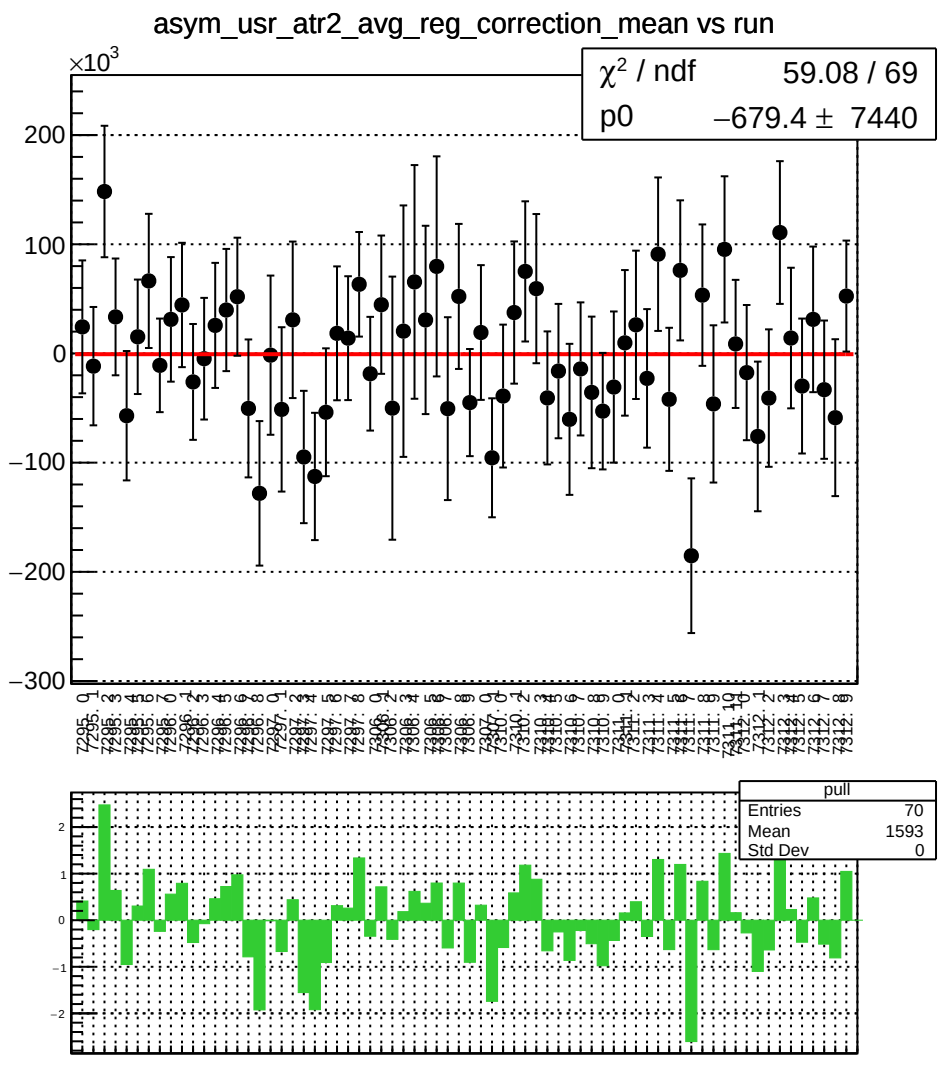

pull1D
Entries 70
Mean 0.06225
Std Dev 0.8159

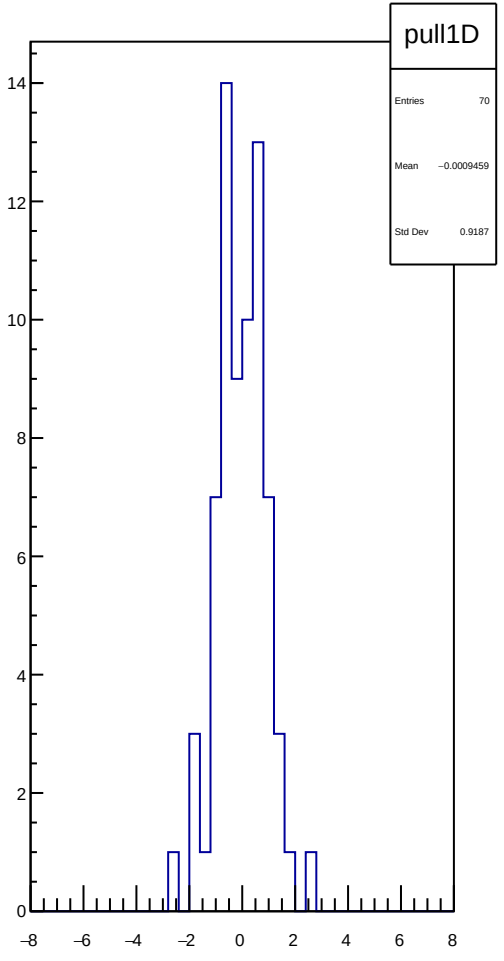

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.48e+05 / 69
p0 9.992e−12 ± 1.014e−14
60
50
40
30
20
10

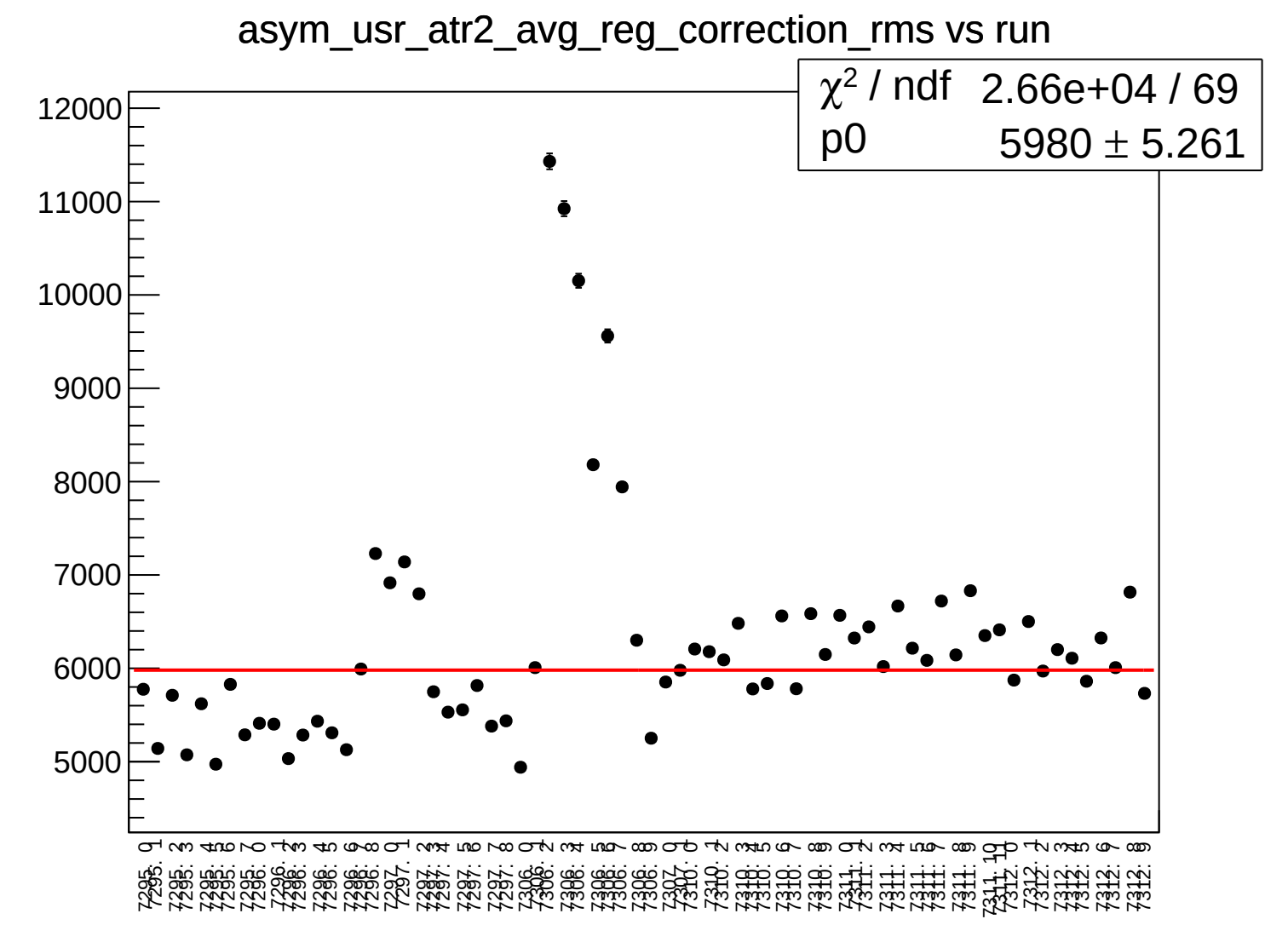

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 77.36 / 69
p0 −3469 ± 1876
pull
Entries 70
Mean −22.11
Std Dev 0

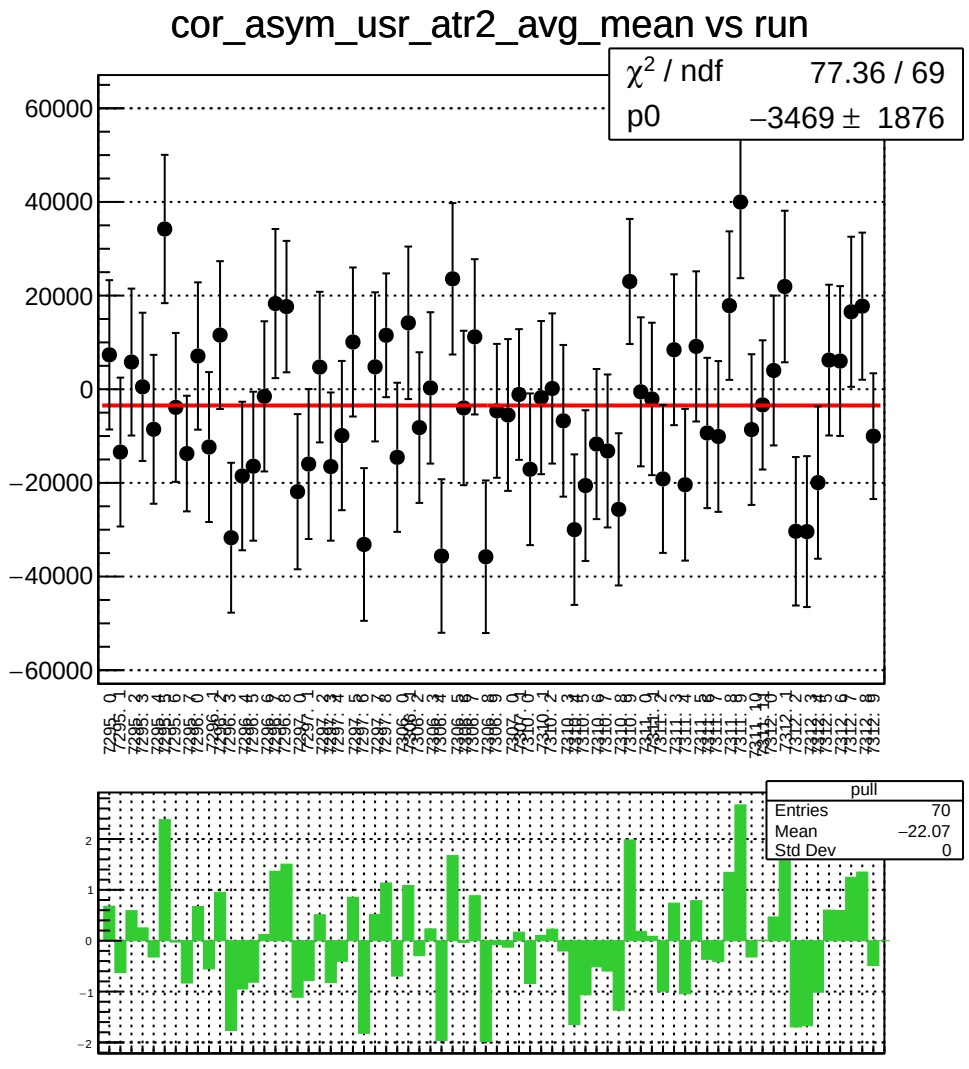

pull1D
Entries 70
Mean −0.009879
Std Dev 1.051

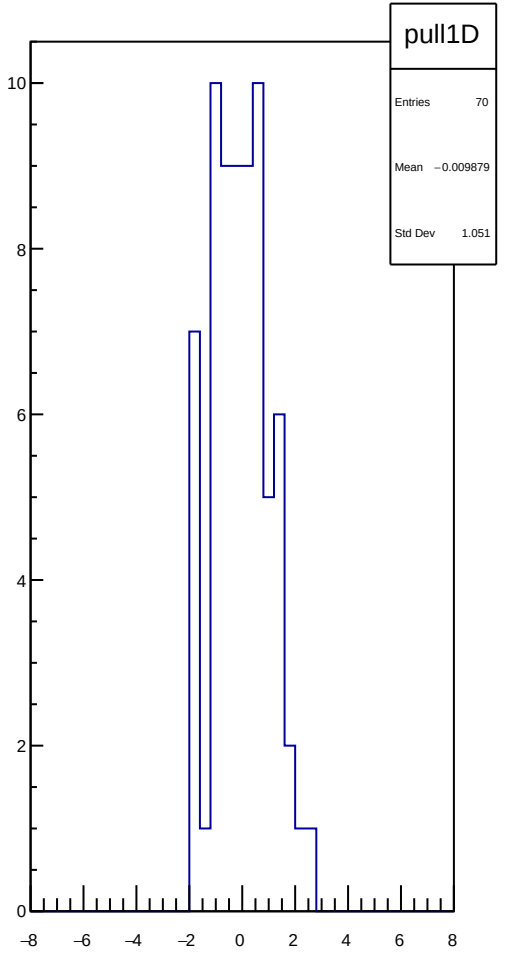

reg_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 186.3 / 69
p0 1523 ± 1.327
1580
1560
1540
1520
1500
1480

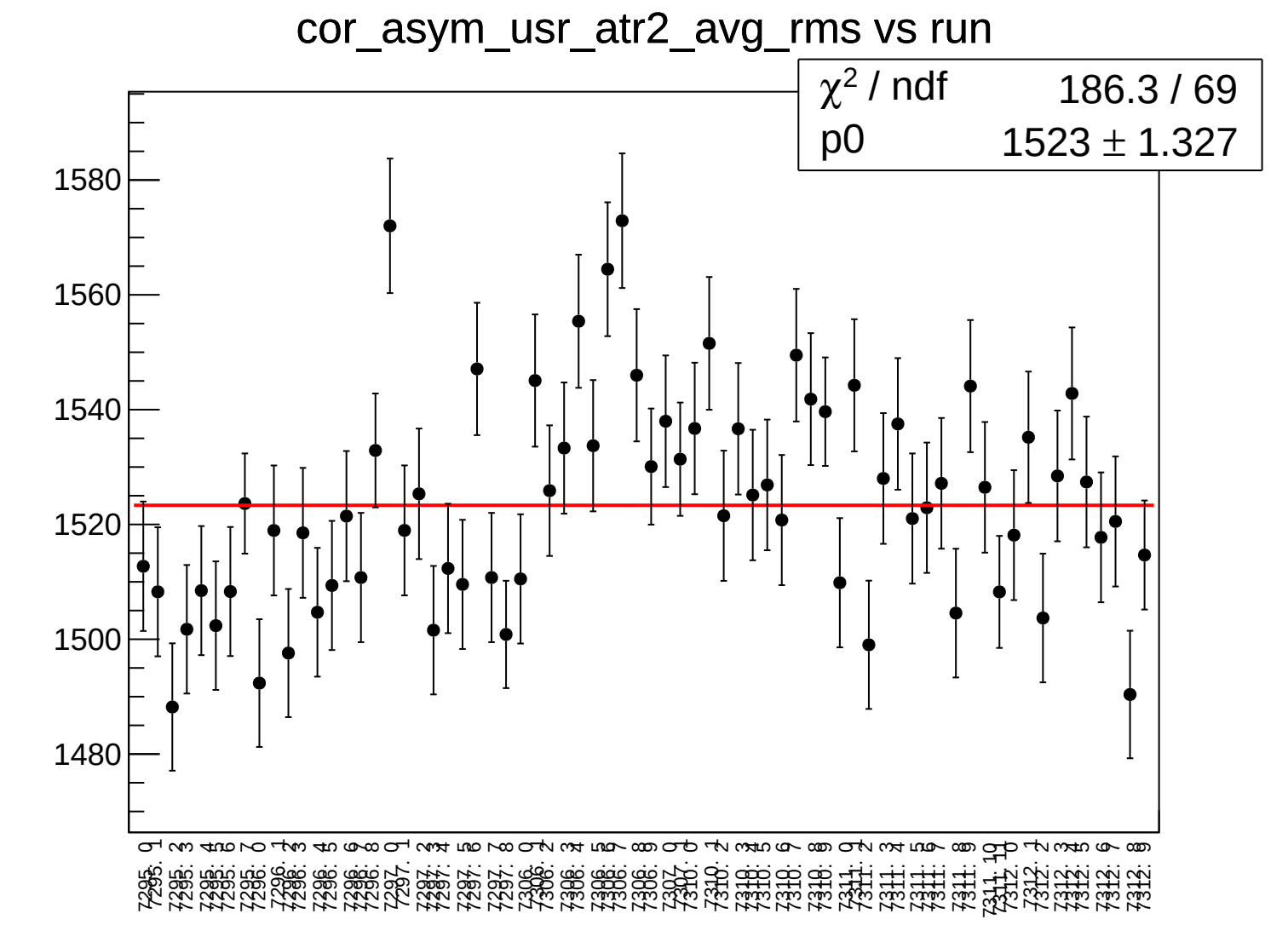

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.08 / 69
p0 −679.4 ± 7440
200
100
0
−100
−200
−300
pull
Entries 70
Mean 1593
Std Dev 0
2
1
0
−1
−2

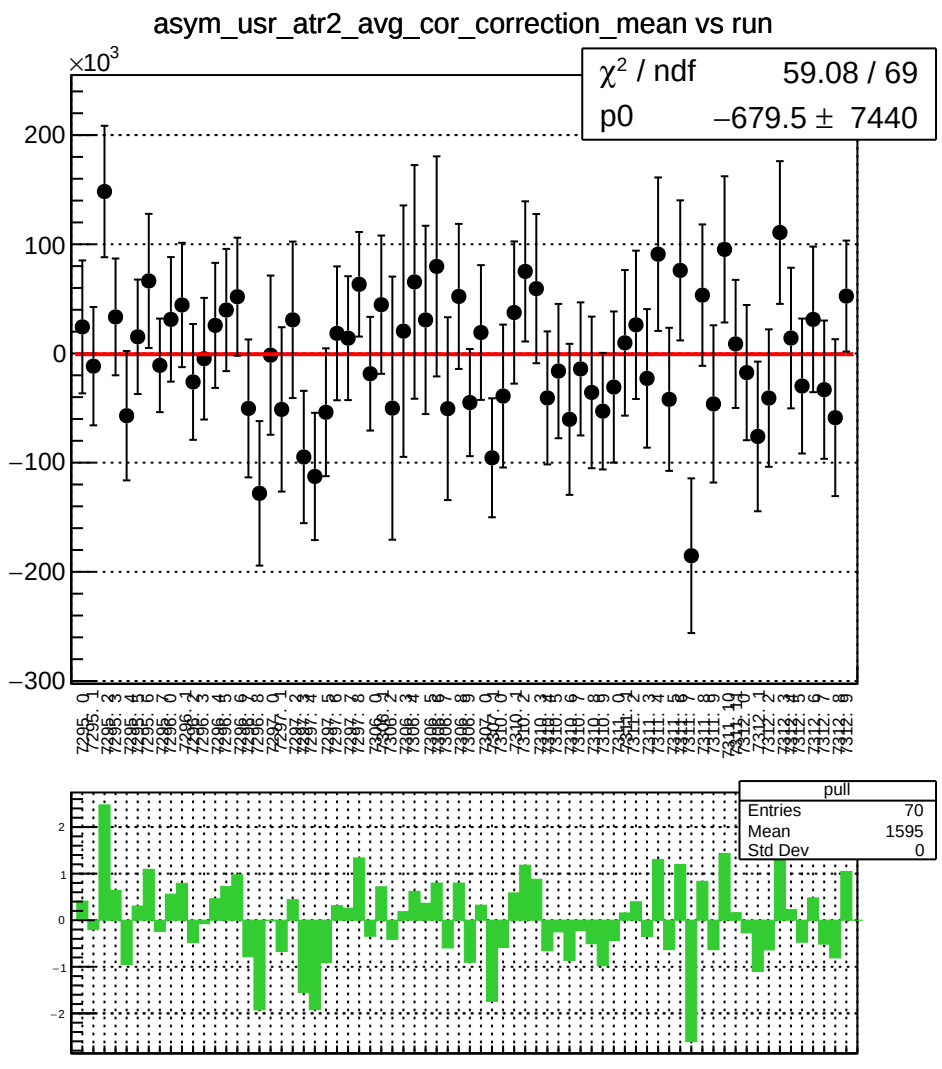

pull1D
Entries 70
Mean −0.0009459
Std Dev 0.9187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

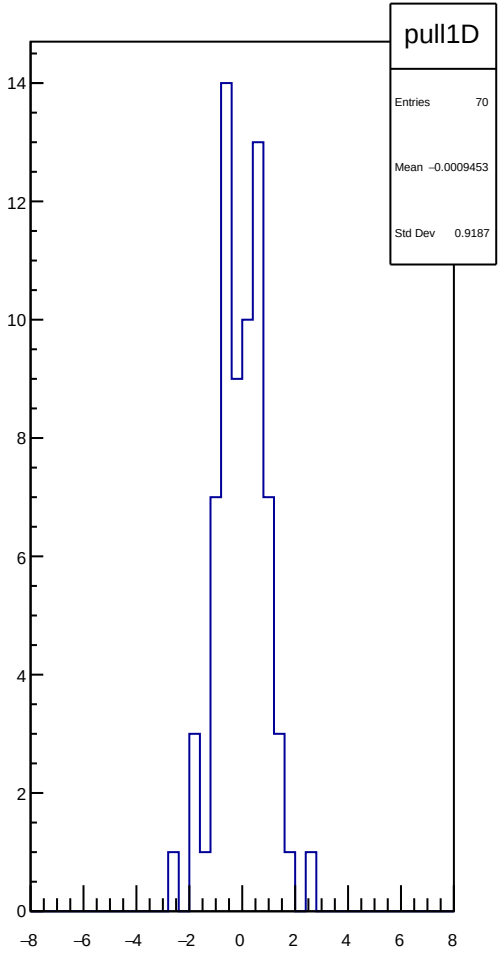

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 5980 ± 5.261
12000
11000
10000
9000
8000
7000
6000
5000

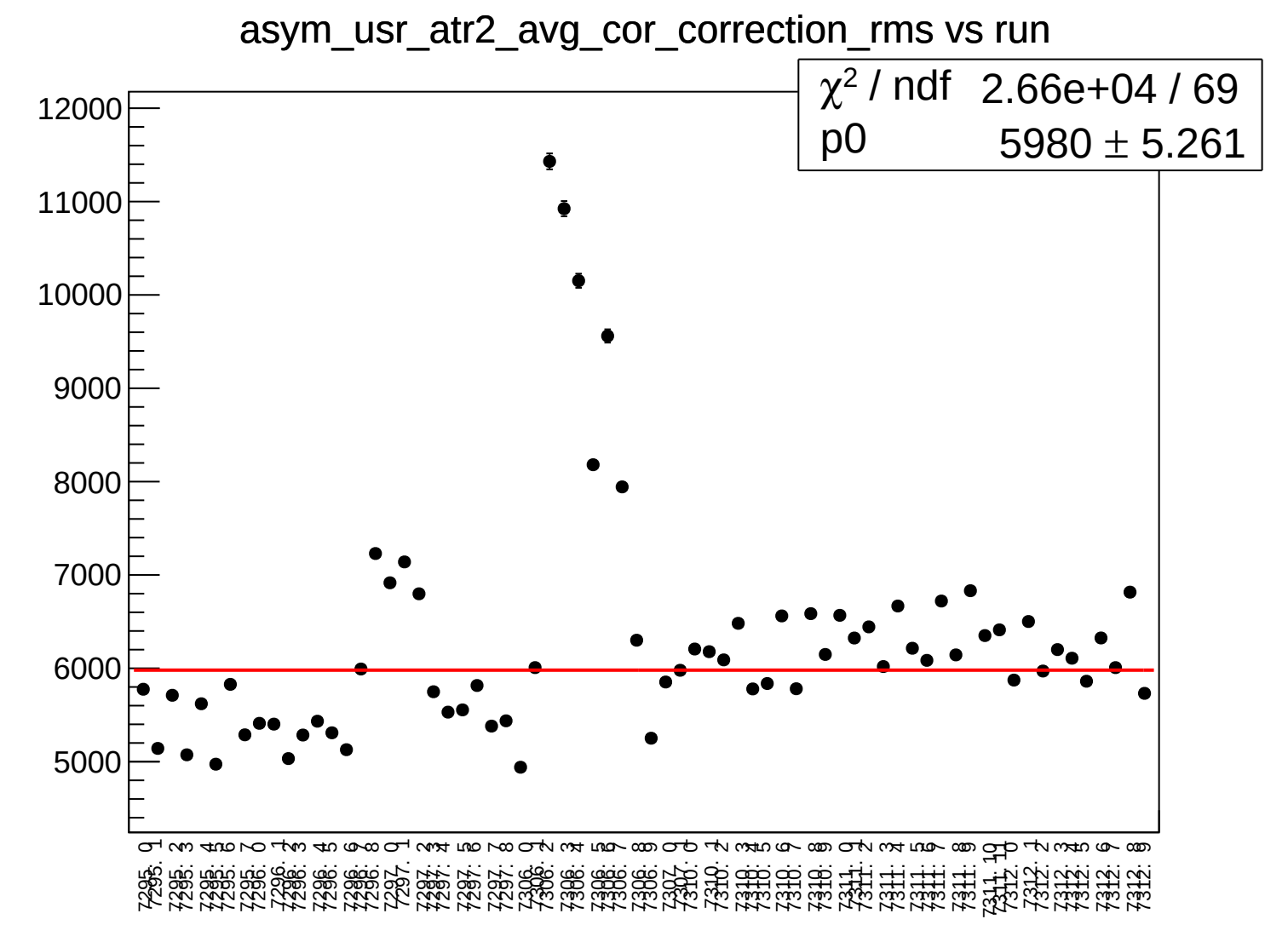

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 77.36 / 69
p0 −3469 ± 1876
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −22.07
Std Dev 0
2
1
0
−1
−2

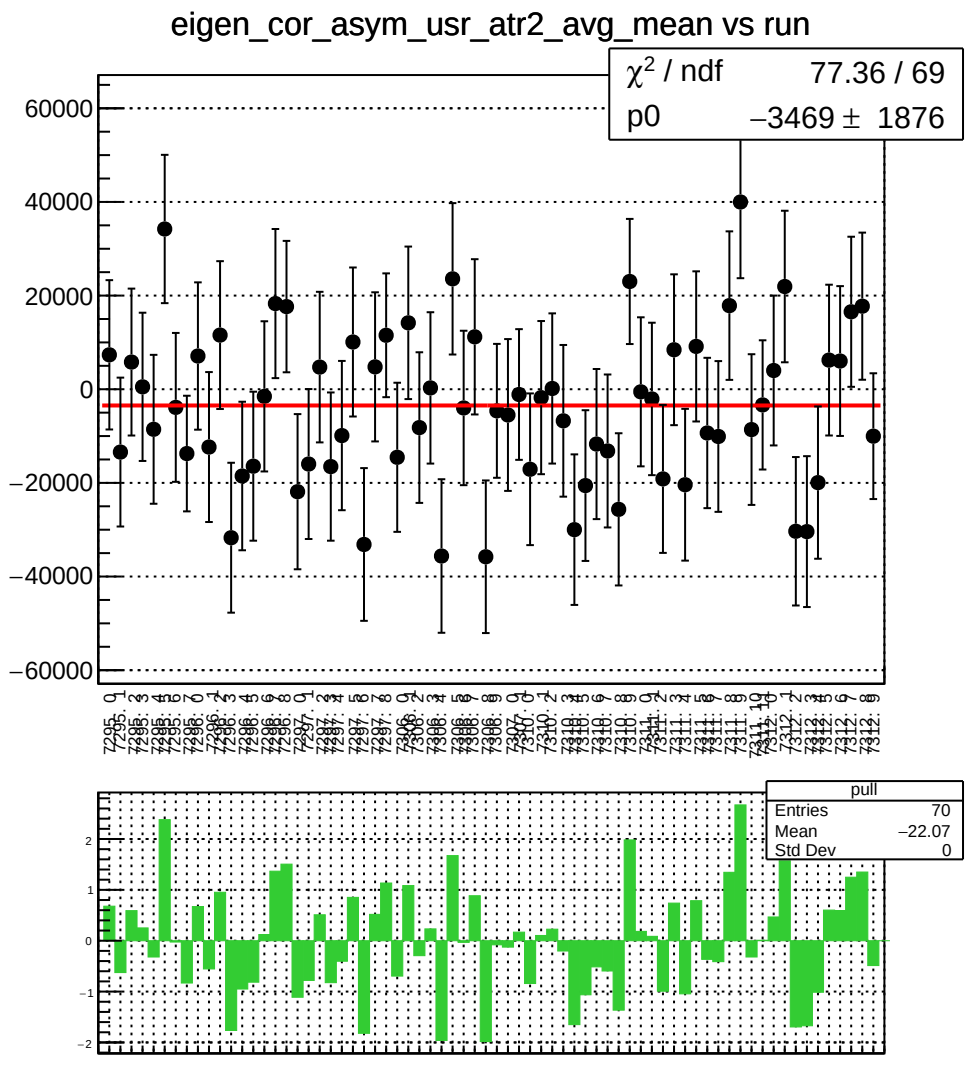

pull1D
Entries 70
Mean −0.009879
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

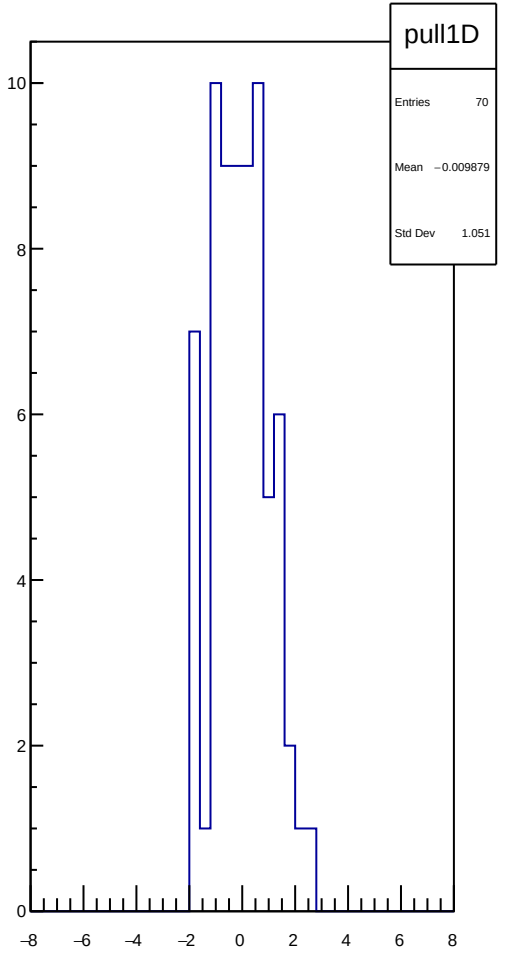

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 186.3 / 69
p0 1523 ± 1.327
1580
1560
1540
1520
1500
1480

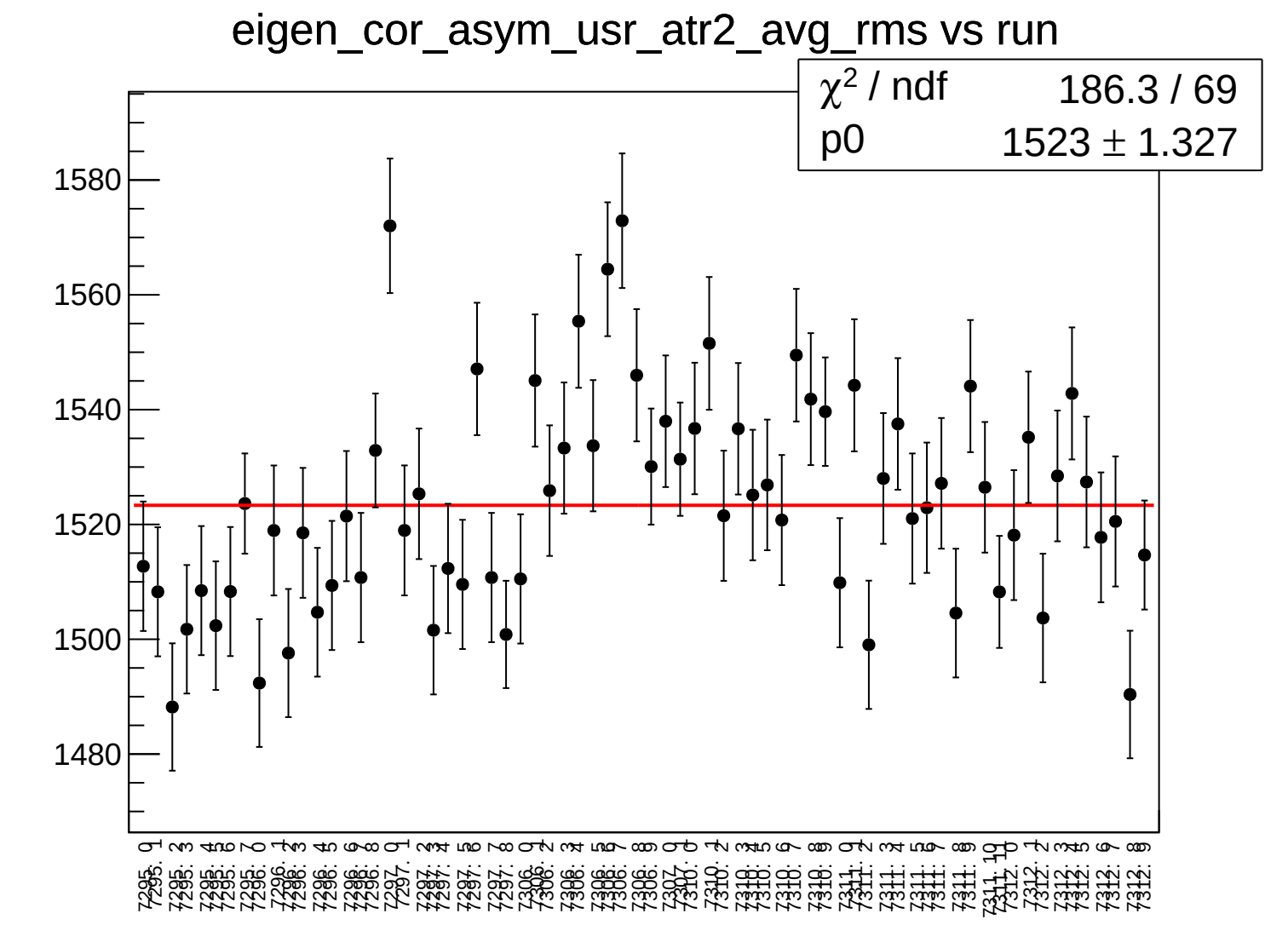

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.08 / 69
p0 −679.5 ± 7440
200
100
0
−100
−200
−300
pull
Entries 70
Mean 1595
Std Dev 0
2
1
0
−1
−2

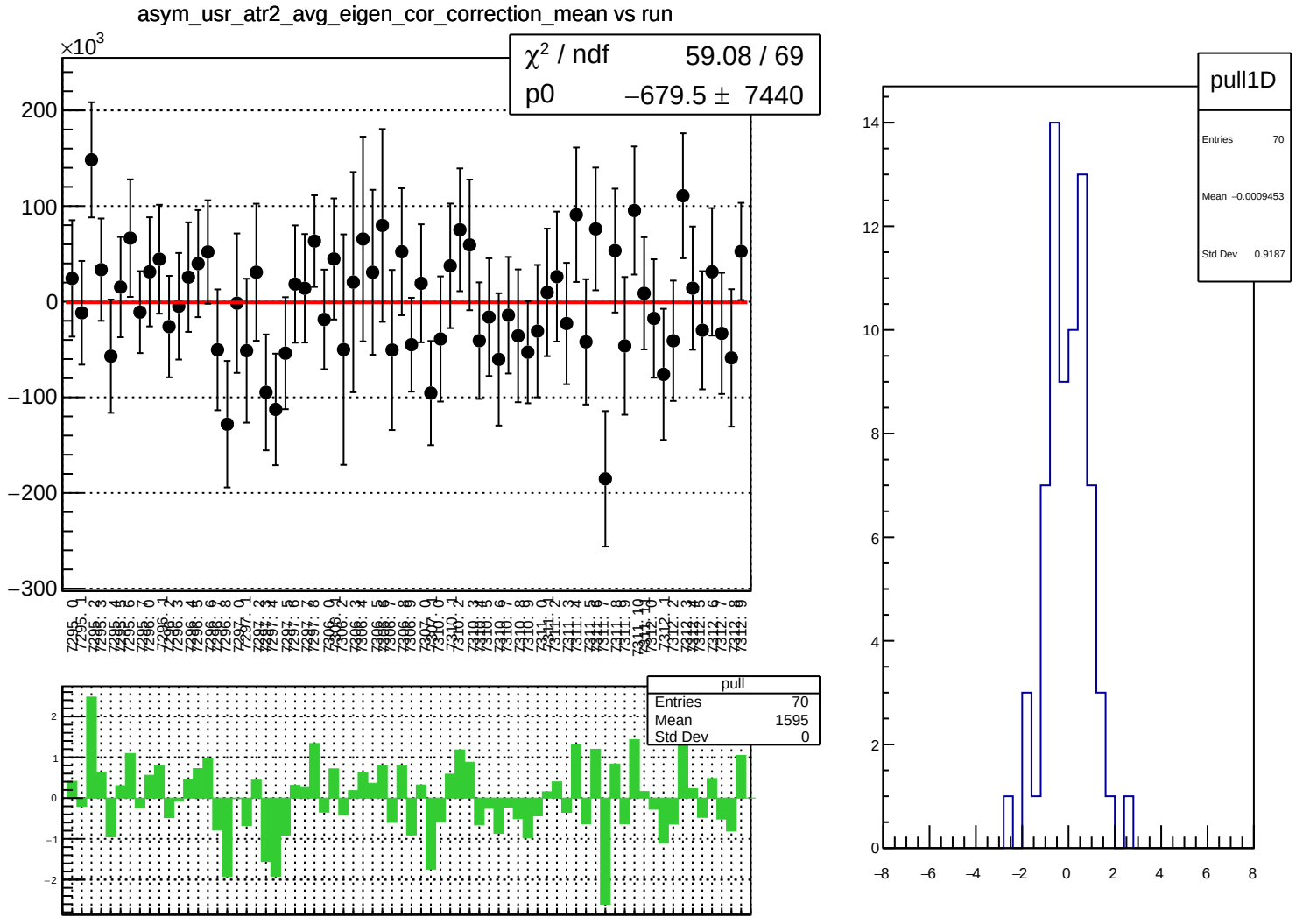

pull1D
Entries 70
Mean −0.0009453
Std Dev 0.9187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

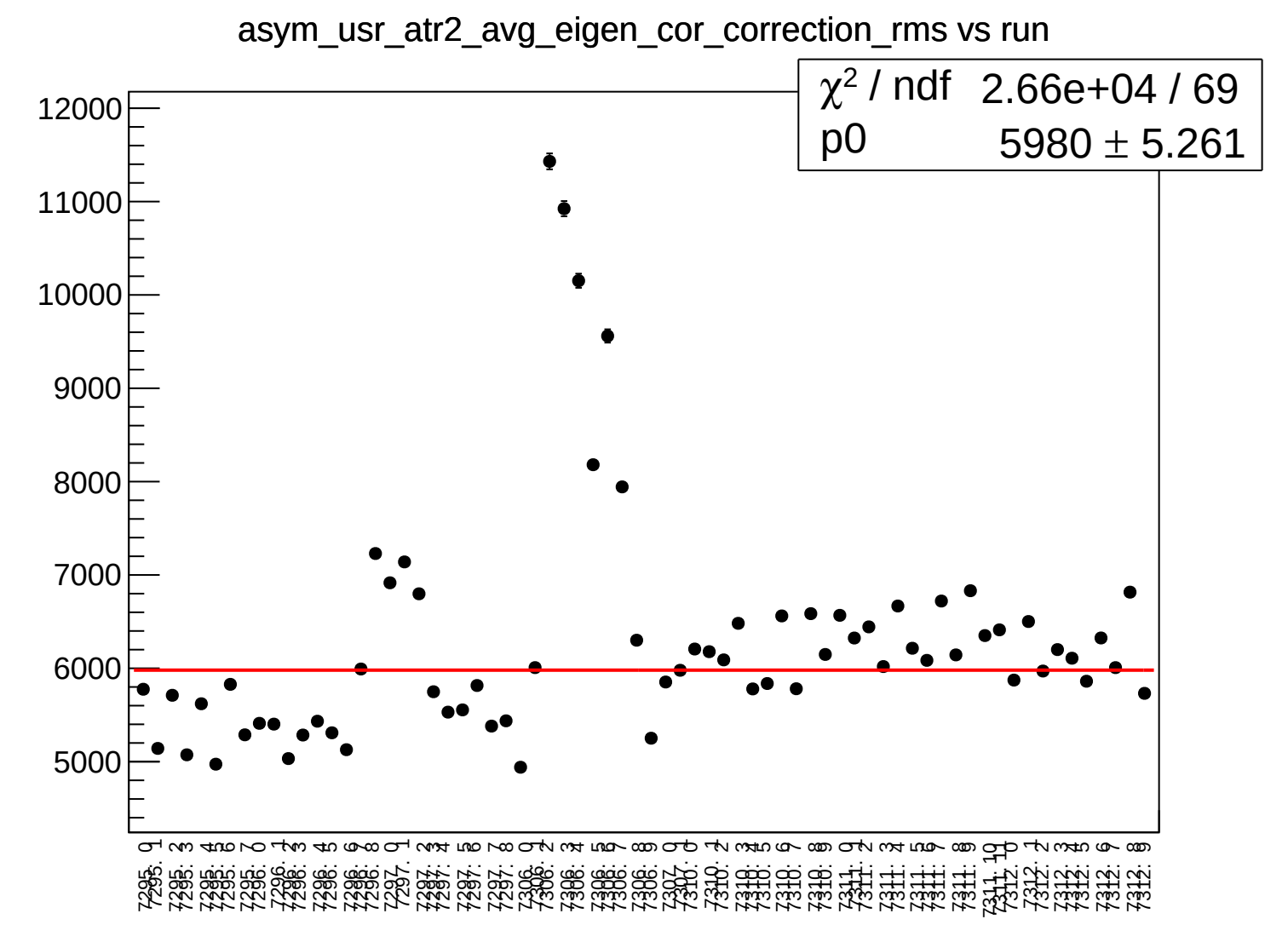

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 5980 ± 5.261
12000
11000
10000
9000
8000
7000
6000
5000

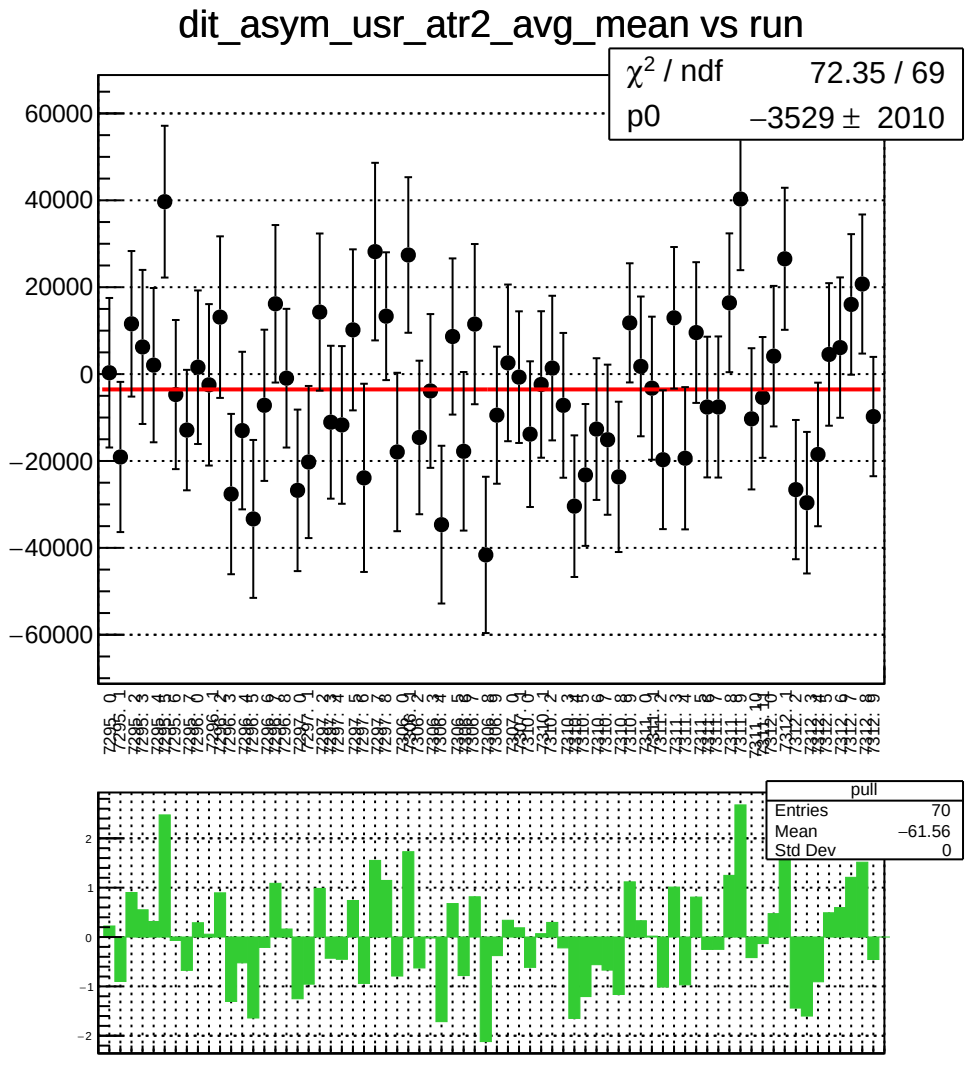

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 77.36 / 69
p0 −3469 ± 1876
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −22.07
Std Dev 0
2
1
0
−1
−2

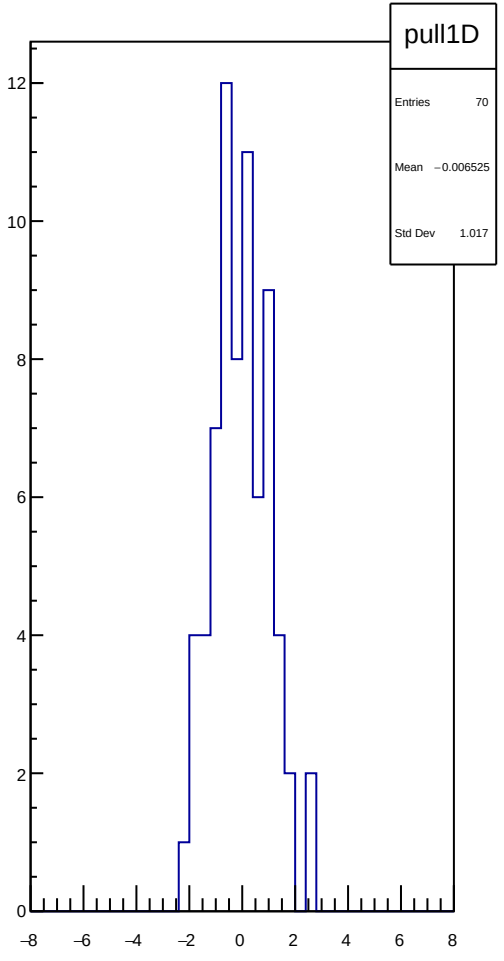

pull1D
Entries 70
Mean −0.009879
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

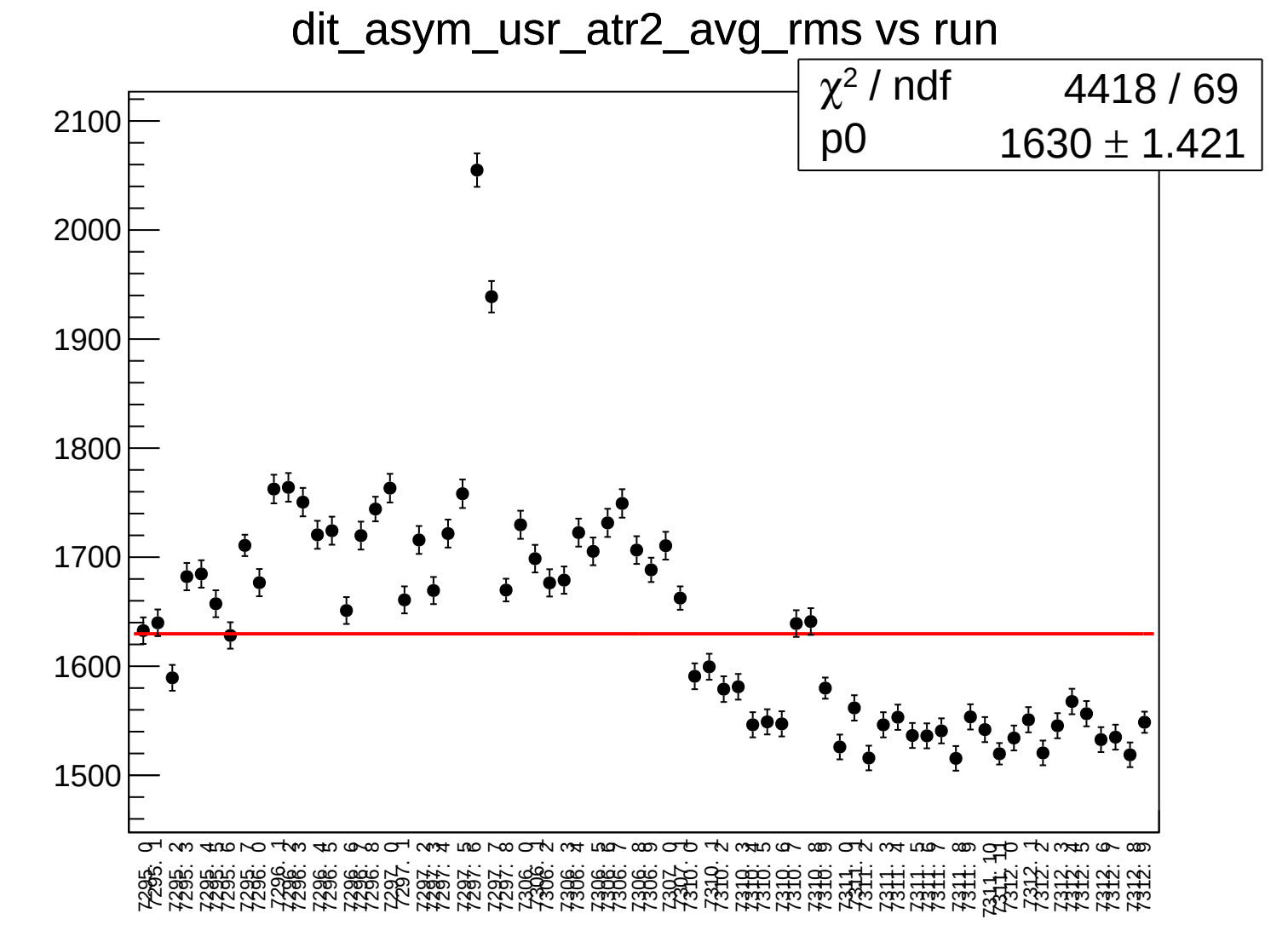

eigen_cor_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 186.3 / 69
p0 1523 ± 1.327
1580
1560
1540
1520
1500
1480

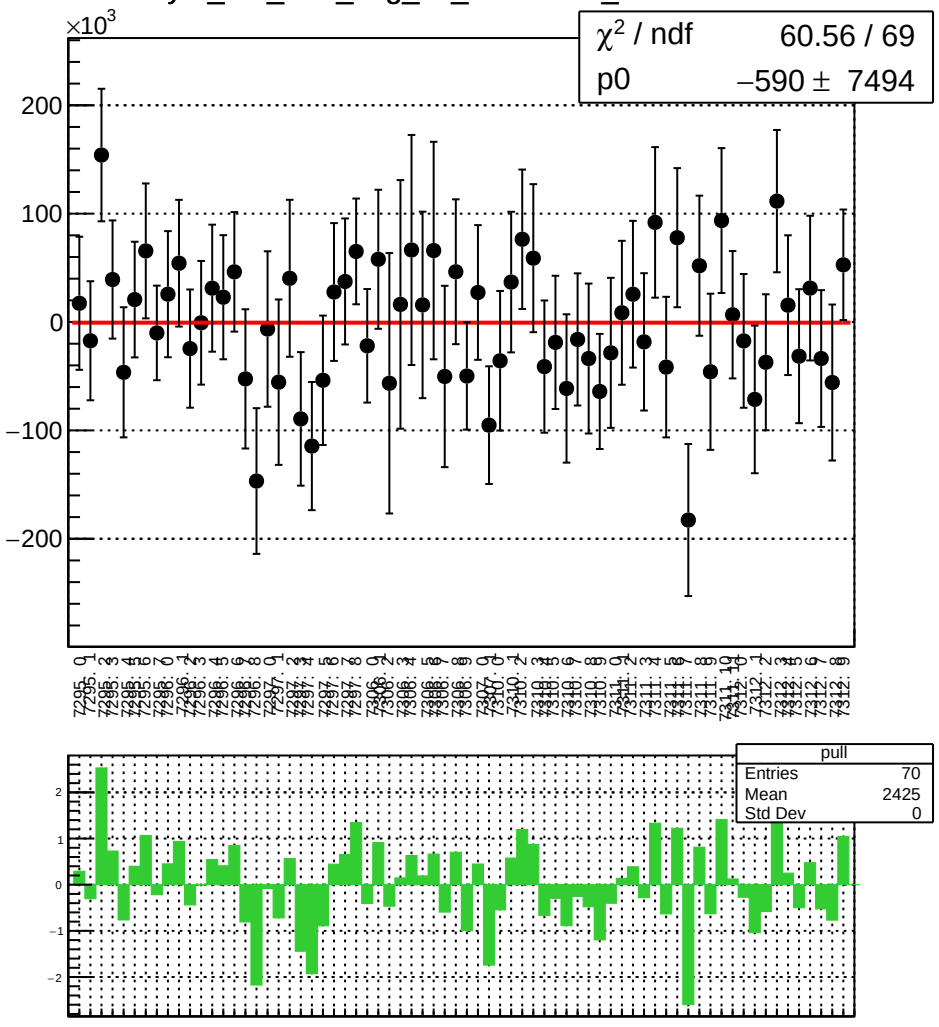

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.08 / 69
p0 −679.5 ± 7440
pull
Entries 70
Mean 1595
Std Dev 0
pull1D
Entries 70
Mean −0.0009453
Std Dev 0.9187

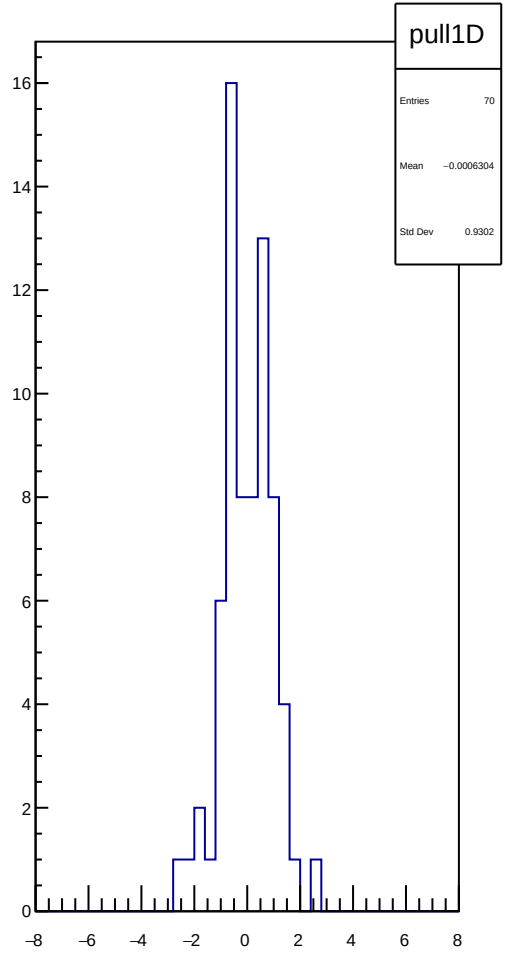

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 5980 ± 5.261
12000
11000
10000
9000
8000
7000
6000
5000

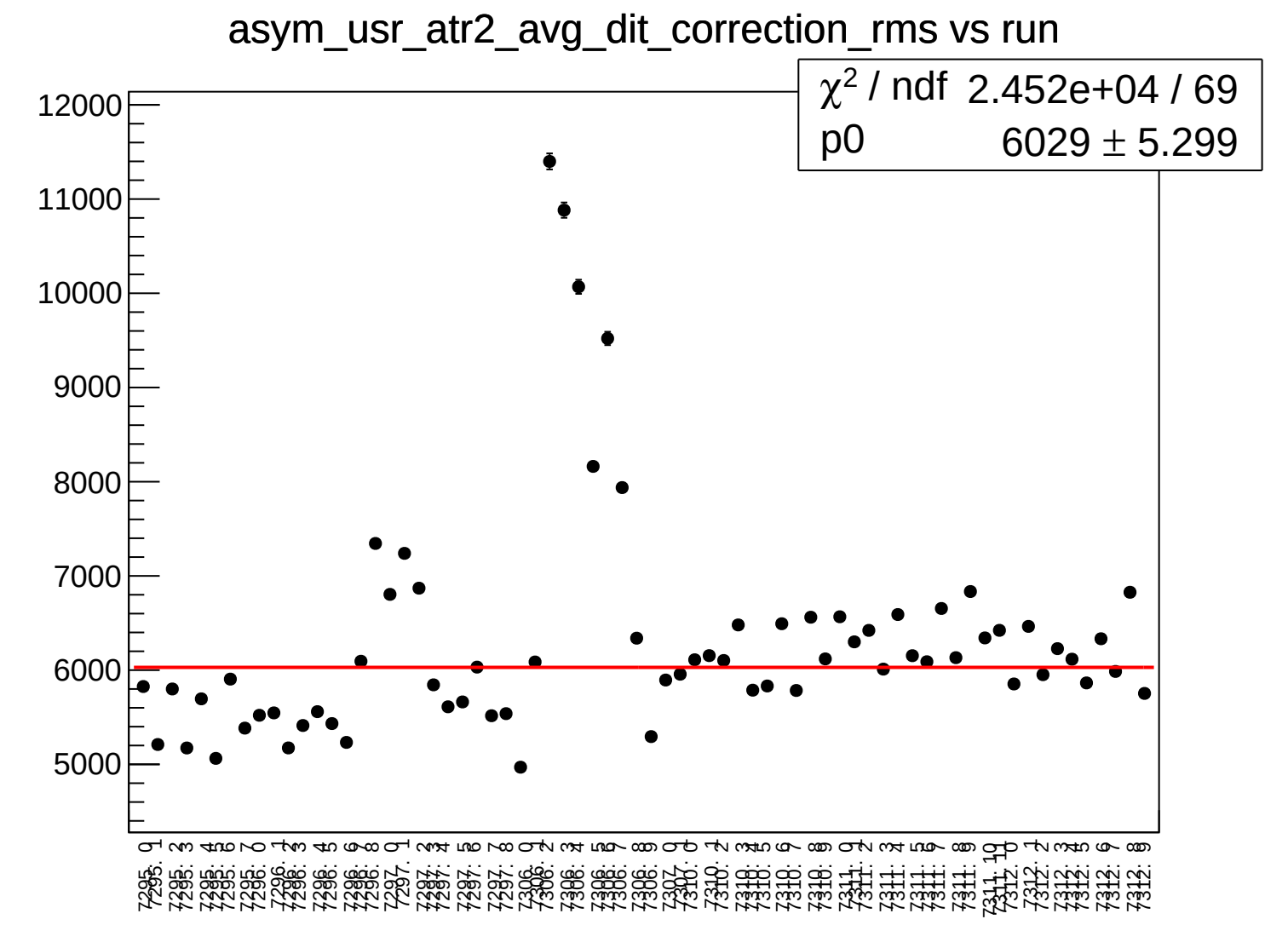

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 72.35 / 69
p0 −3529 ± 2010
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean −61.56
Std Dev 0
2
1
0
−1
−2

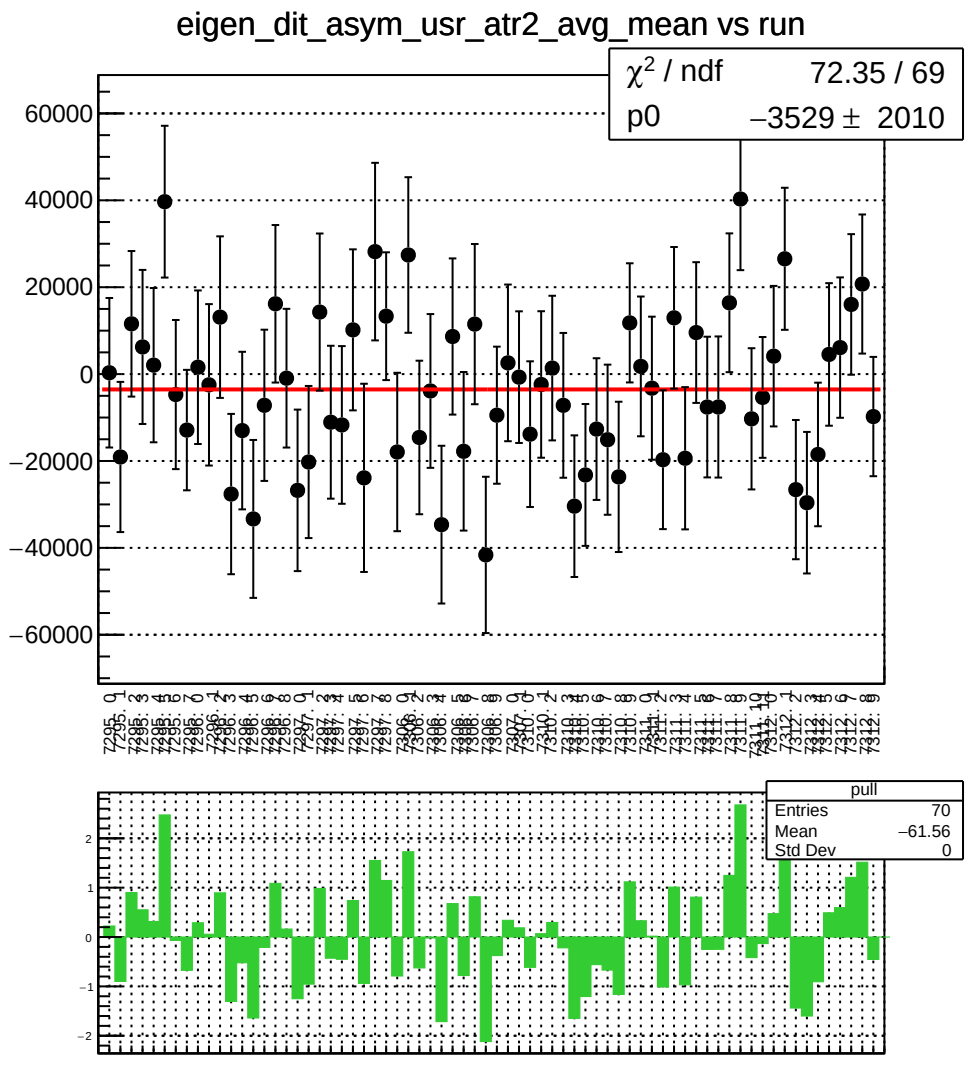

pull1D
Entries 70
Mean −0.006525
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

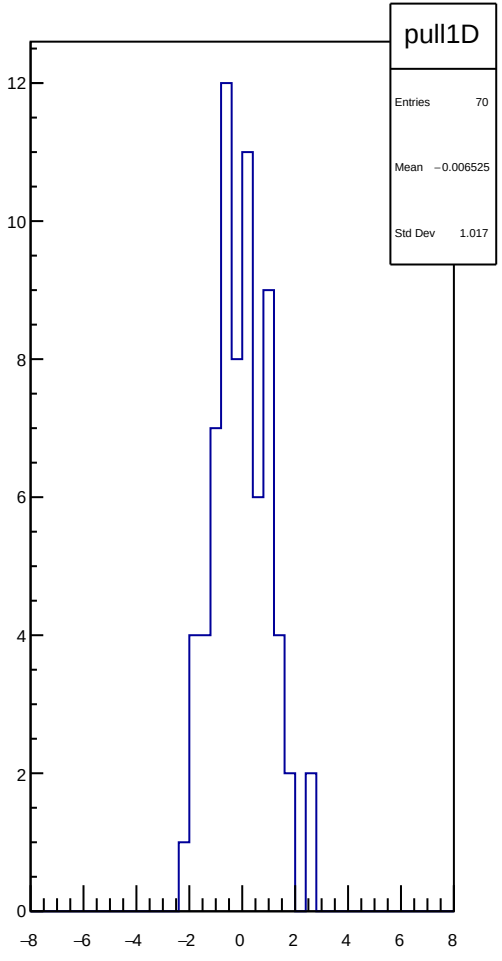

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 4418 / 69
p0 1630 ± 1.421
2100
2000
1900
1800
1700
1600
1500

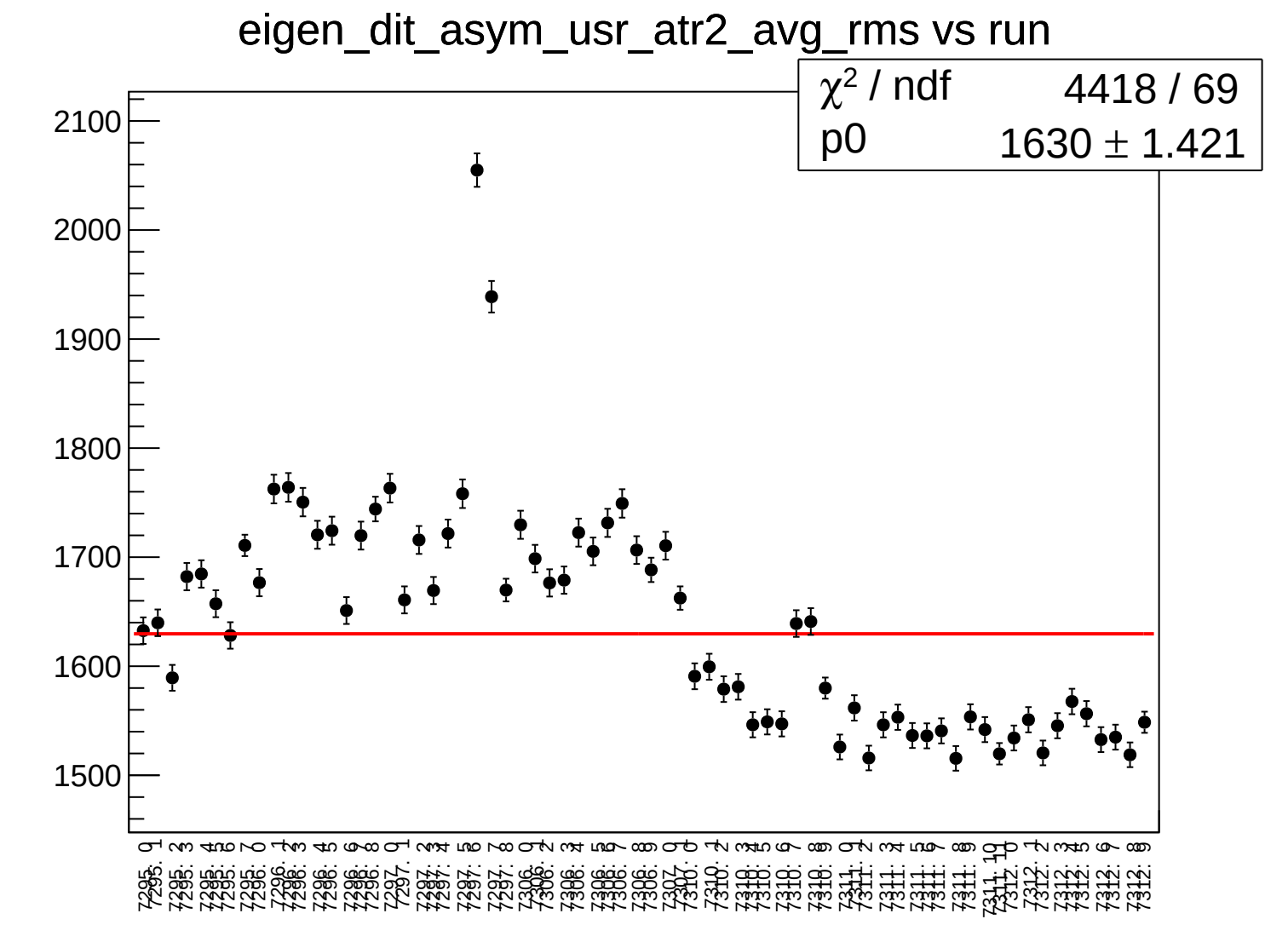

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.56 / 69
p0 −590 ± 7494
200
100
0
−100
−200
pull
Entries 70
Mean 2425
Std Dev 0
2
1
0
−1
−2

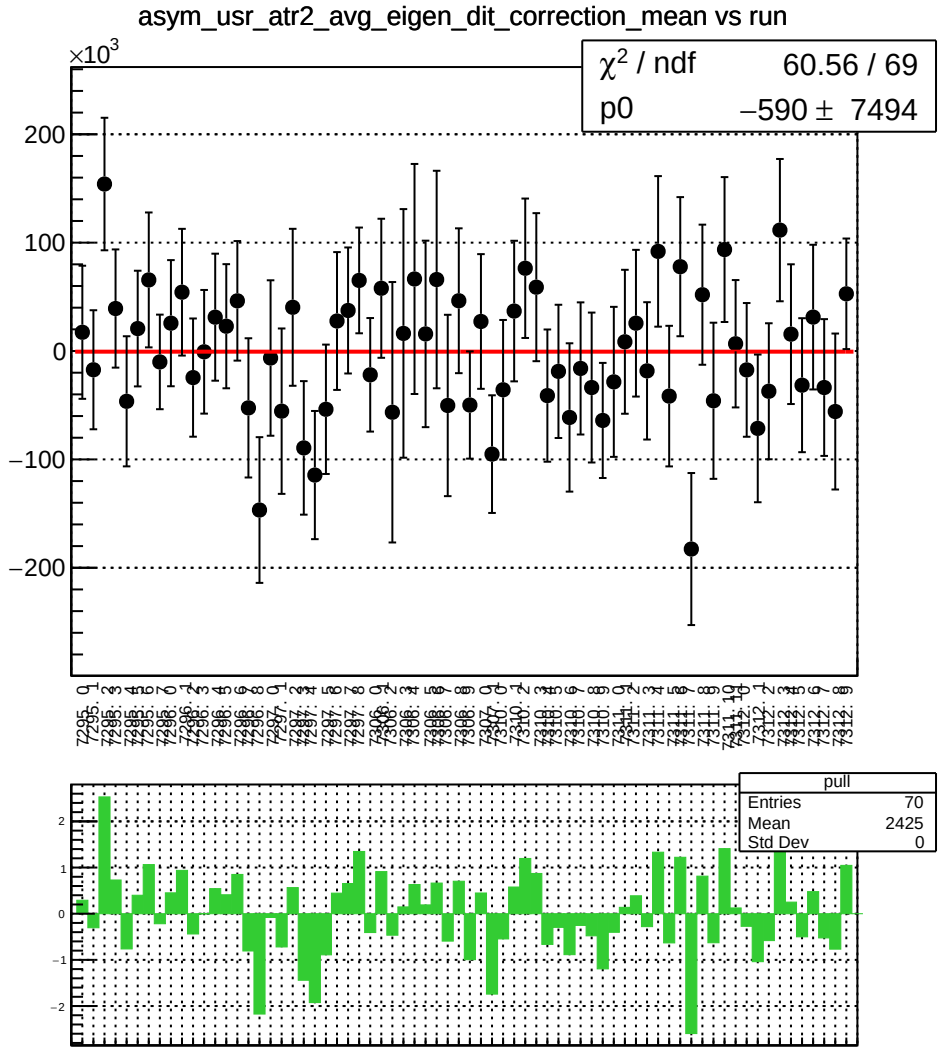

pull1D
Entries 70
Mean −0.0006304
Std Dev 0.9302
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

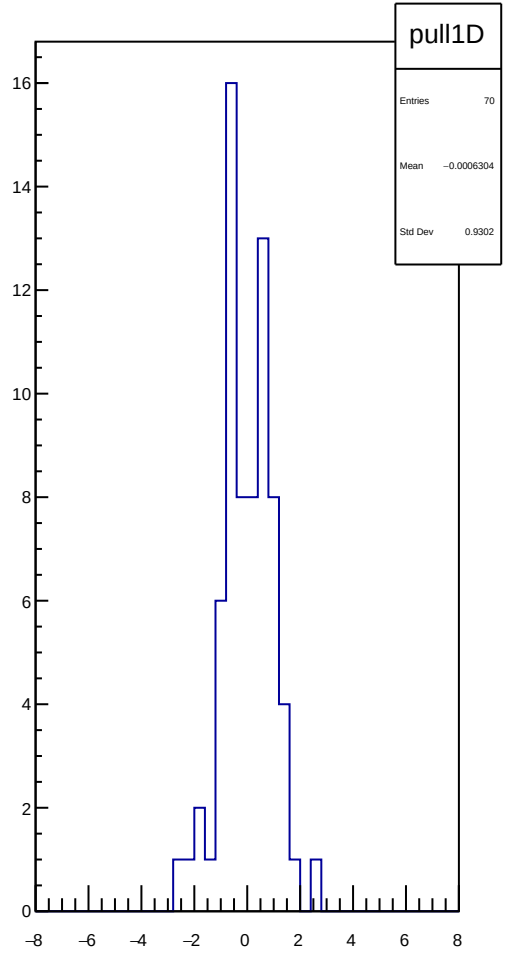

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2.452e+04 / 69
p0 6029 ± 5.299
12000
11000
10000
9000
8000
7000
6000
5000

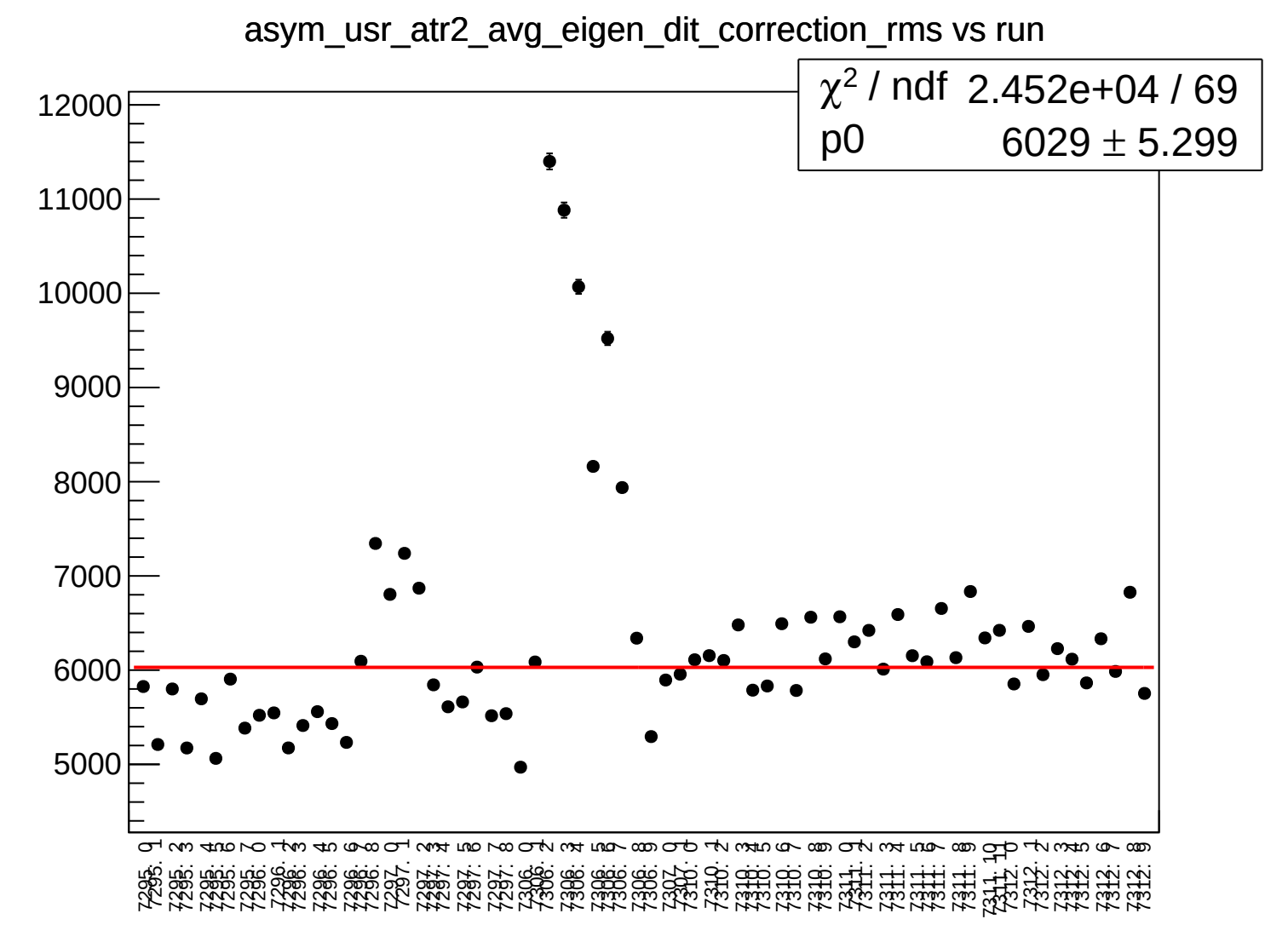

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 72.35 / 69
p0 −3529 ± 2010
pull
Entries 70
Mean −61.56
Std Dev 0

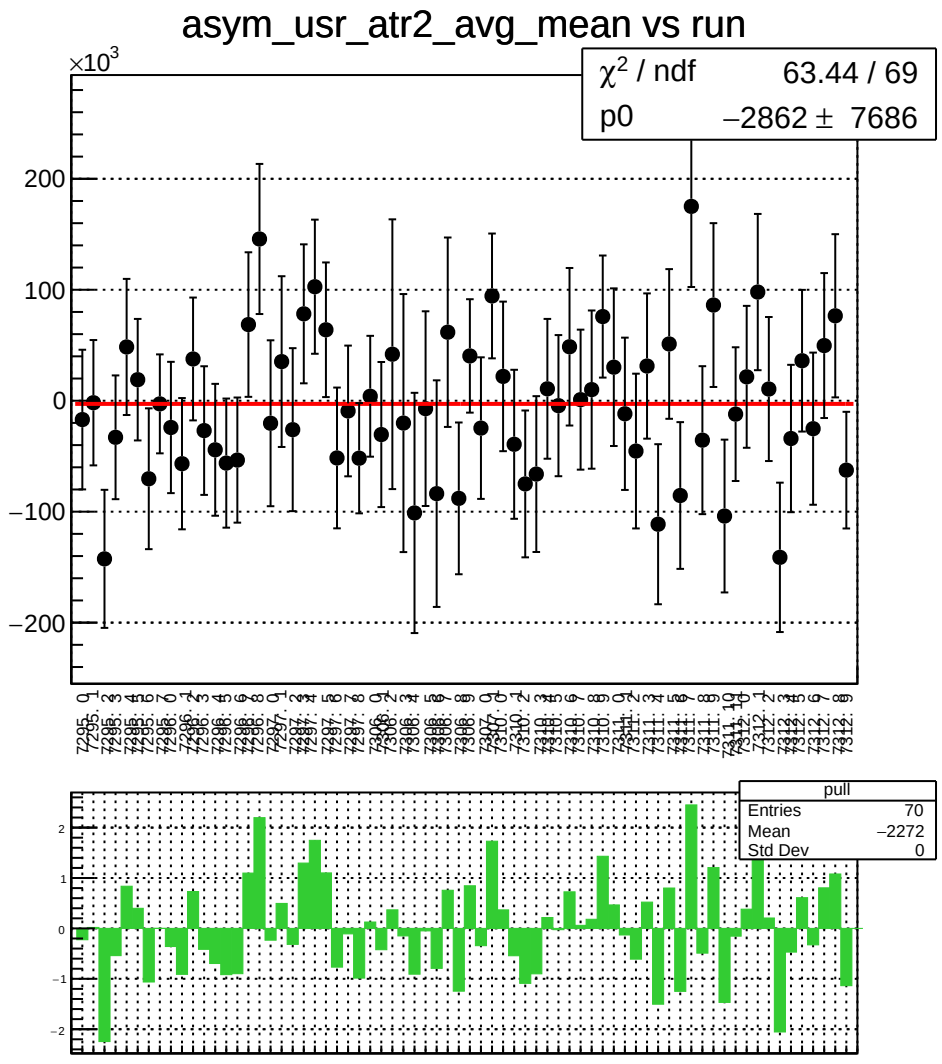

pull1D
Entries 70
Mean −0.006525
Std Dev 1.017

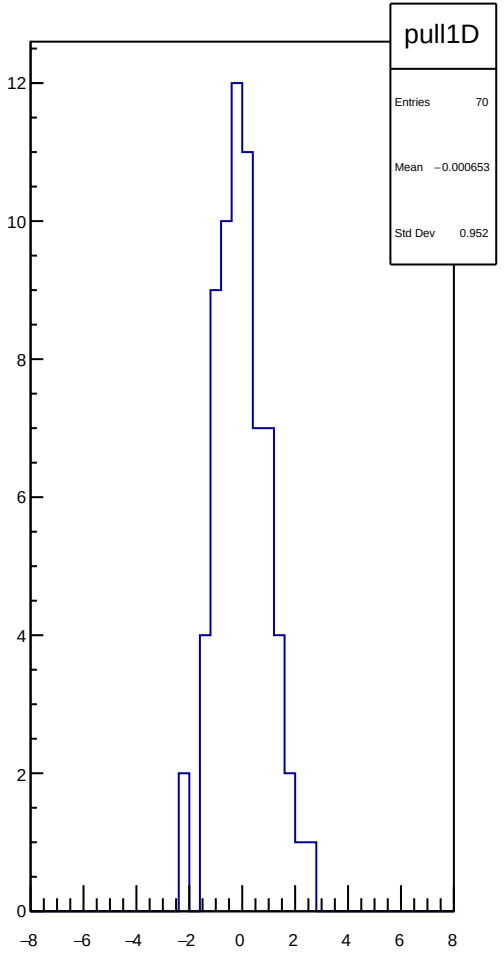

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 4418 / 69
p0 1630 ± 1.421
2100
2000
1900
1800
1700
1600
1500

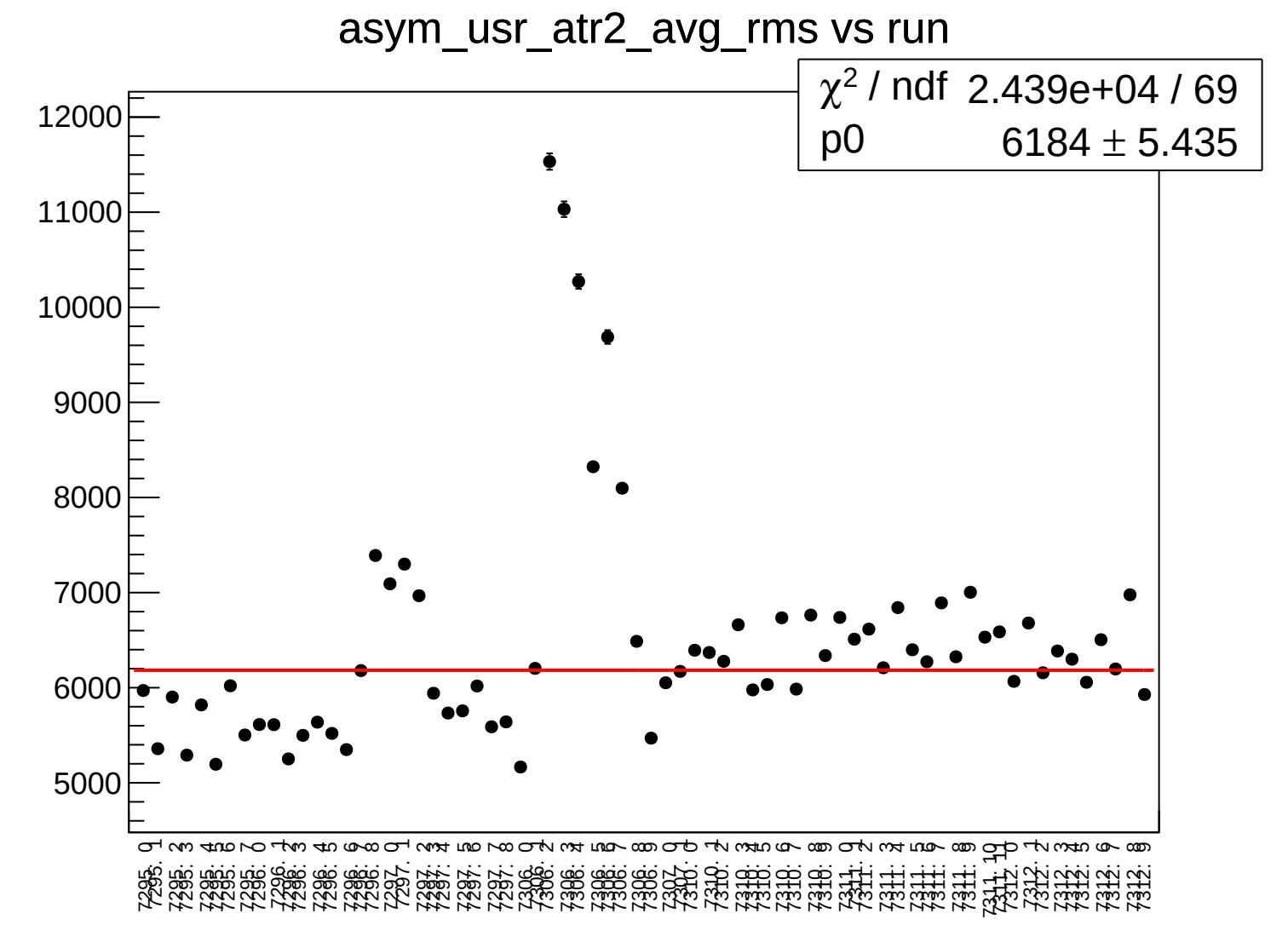

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.56 / 69
p0 −590 ± 7494
200
100
0
−100
−200
pull
Entries 70
Mean 2425
Std Dev 0
2
1
0
−1
−2

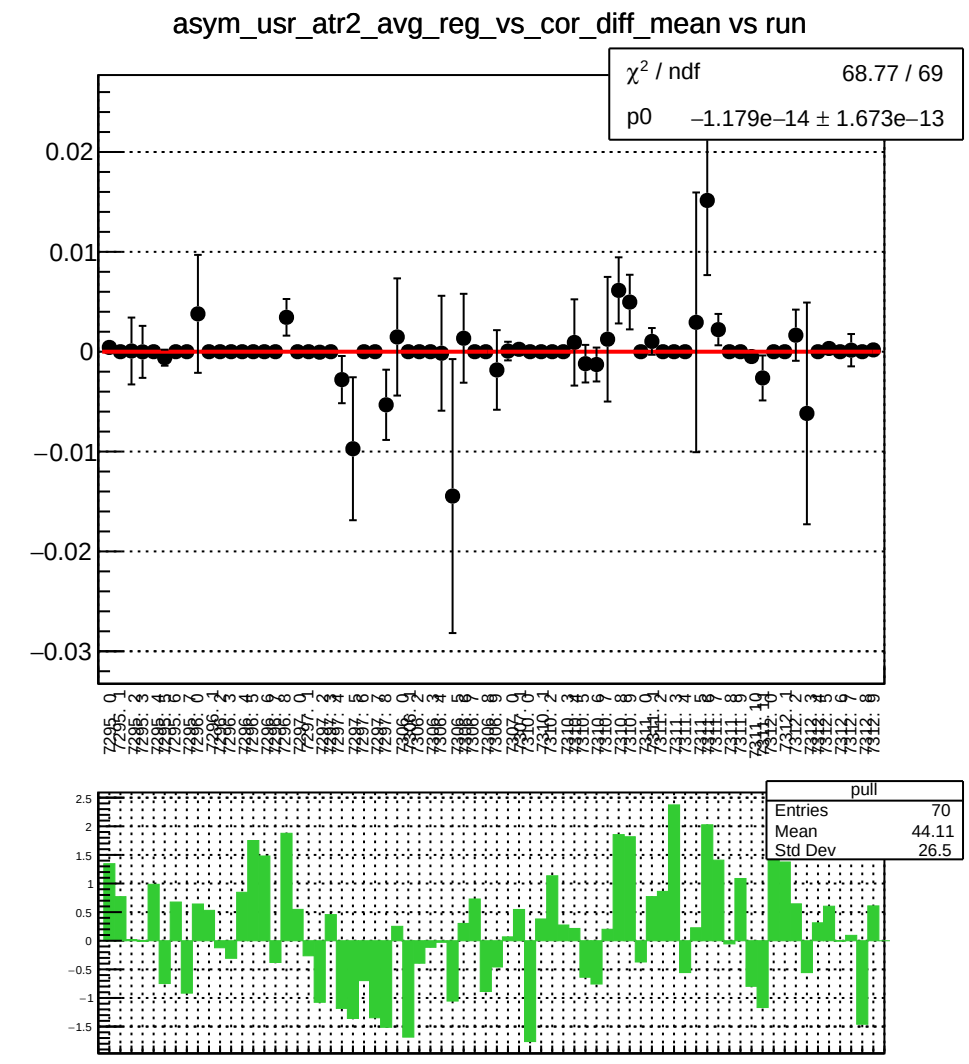

pull1D
Entries 70
Mean −0.0006304
Std Dev 0.9302
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

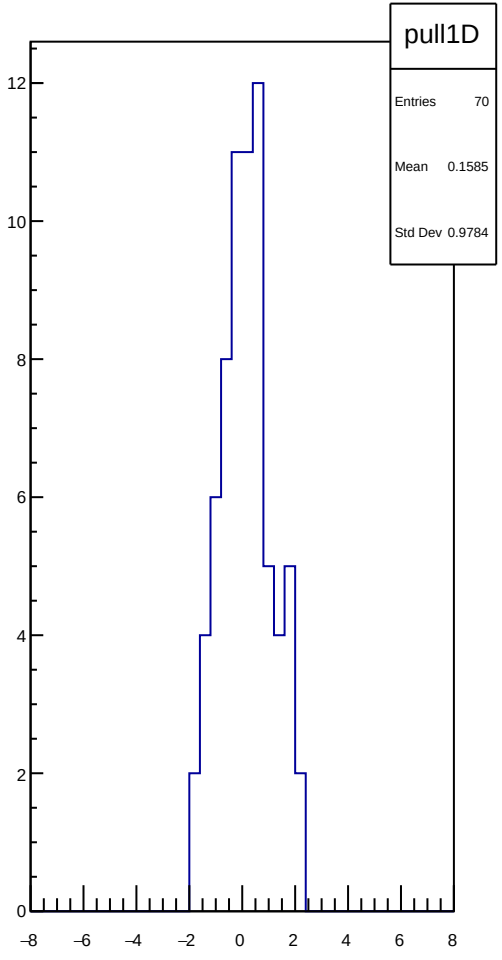

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.452e+04 / 69
p0 6029 ± 5.299
12000
11000
10000
9000
8000
7000
6000
5000

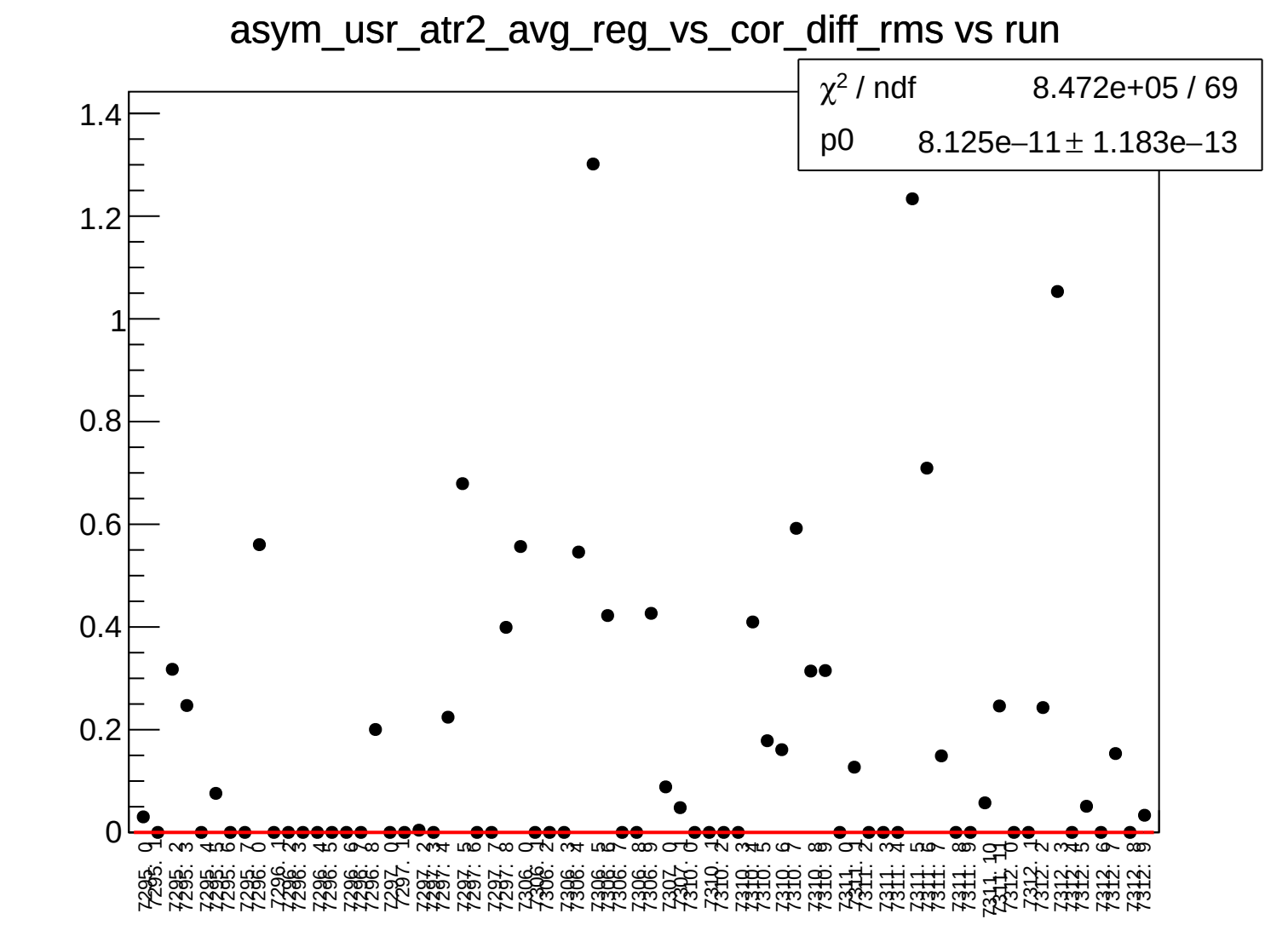

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 63.44 / 69
p0 −2862 ± 7686
200
100
0
−100
−200
pull
Entries 70
Mean −2272
Std Dev 0
2
1
0
−1
−2

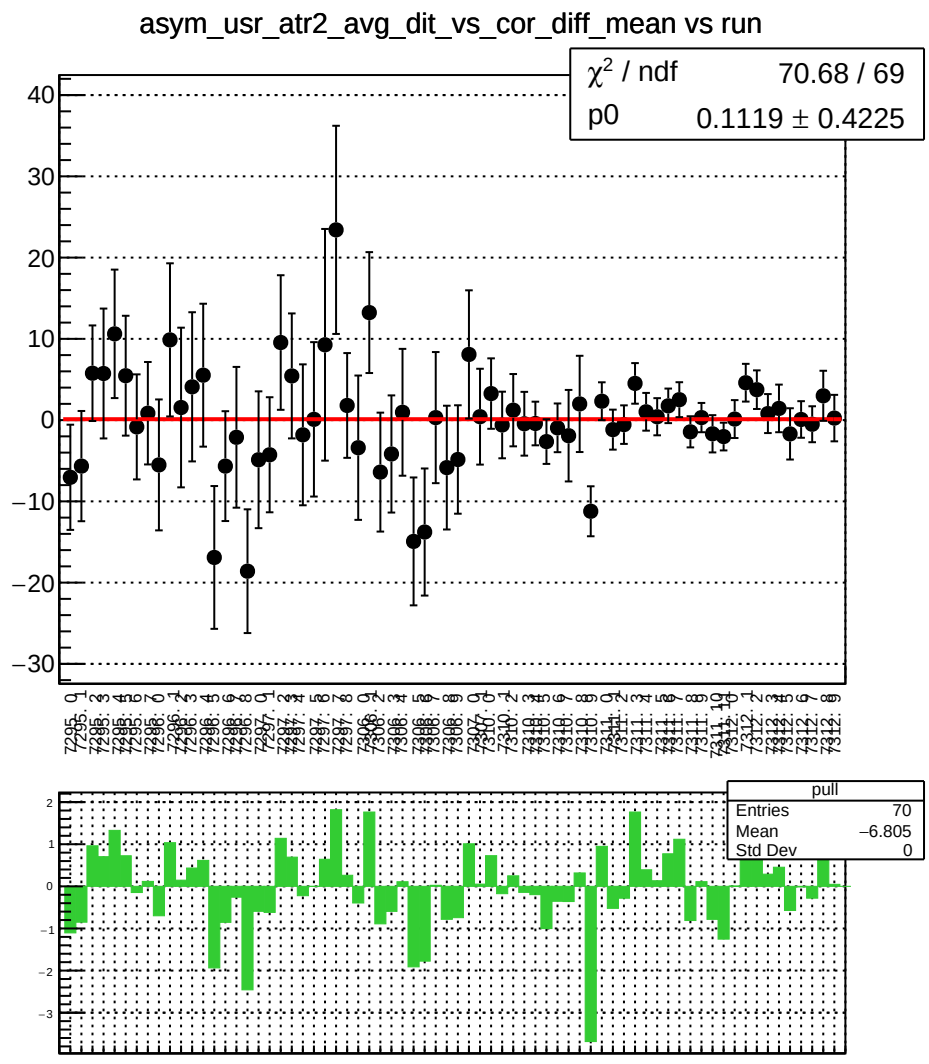

pull1D
Entries 70
Mean −0.000653
Std Dev 0.952
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

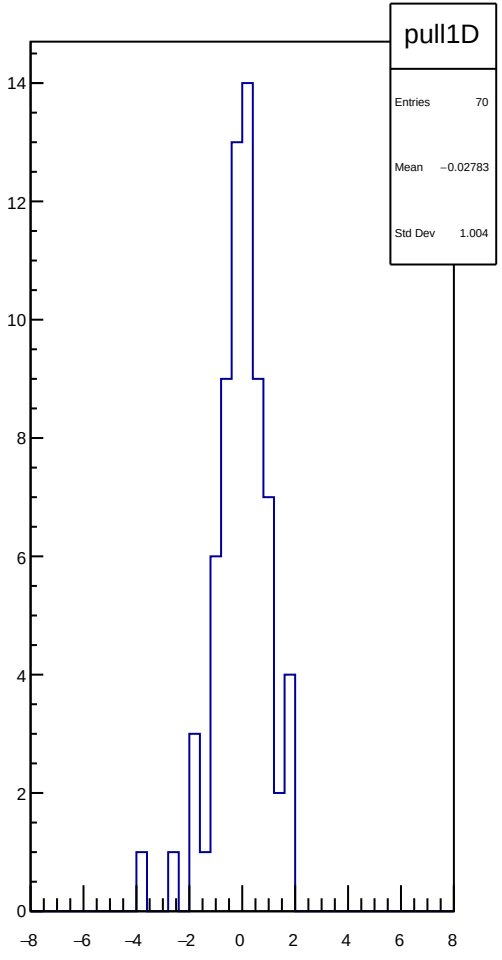

asym_usr_atr2_avg_rms vs run
χ² / ndf 2.439e+04 / 69
p0 6184 ± 5.435
12000
11000
10000
9000
8000
7000
6000
5000

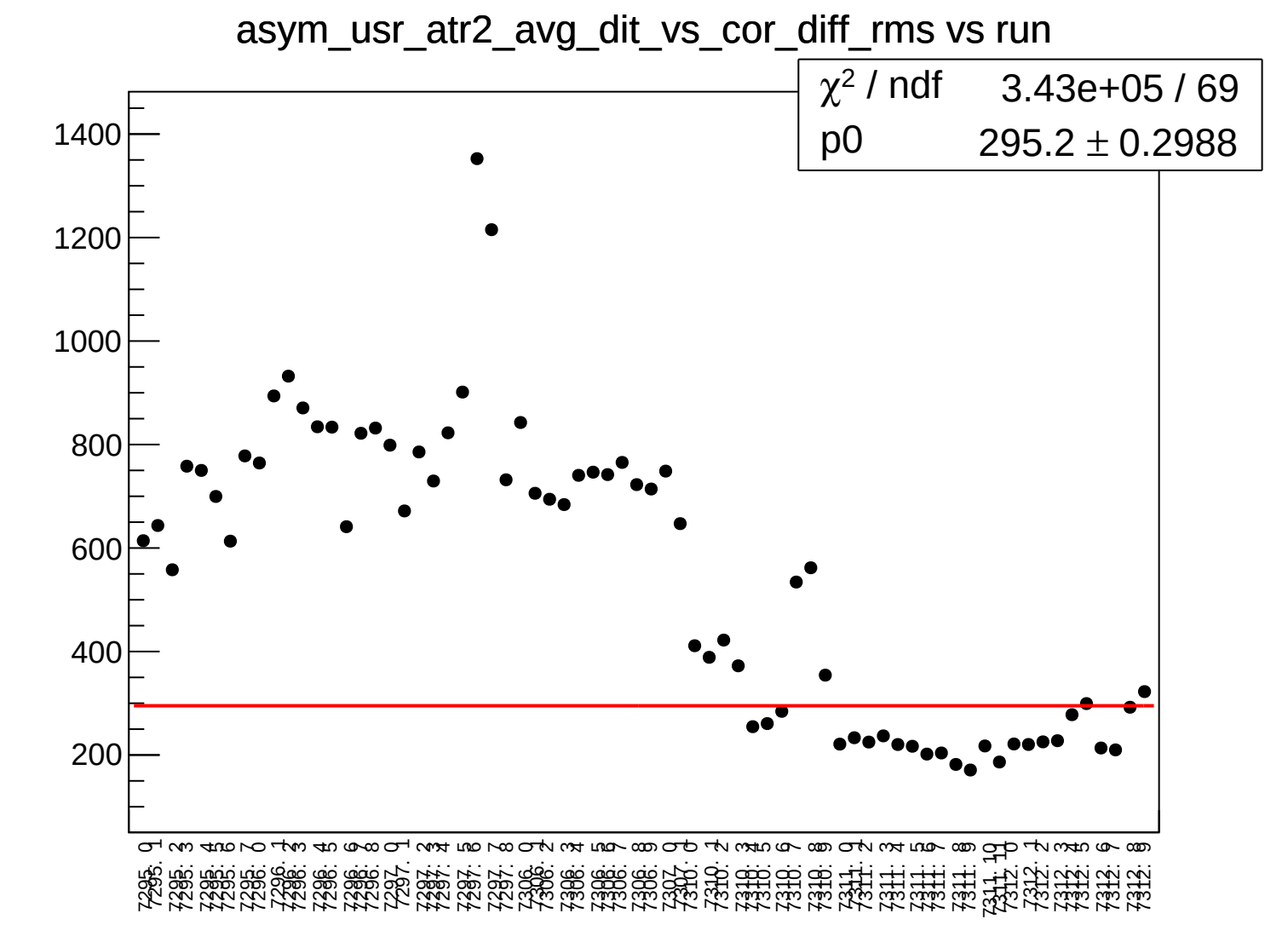

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.77 / 69
p0 −1.179e−14 ± 1.673e−13
pull
Entries 70
Mean 44.11
Std Dev 26.5

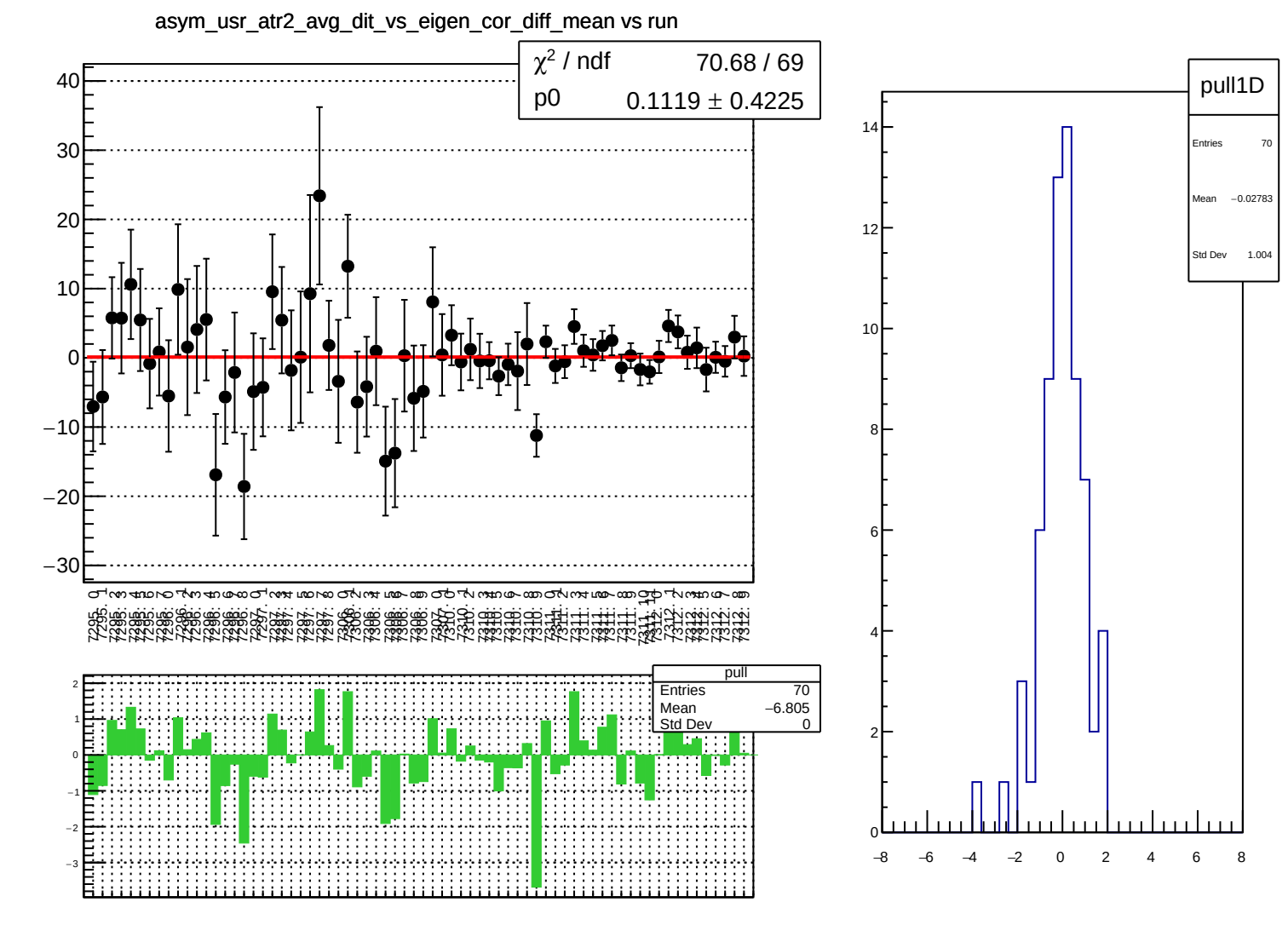

pull1D
Entries 70
Mean 0.1585
Std Dev 0.9784

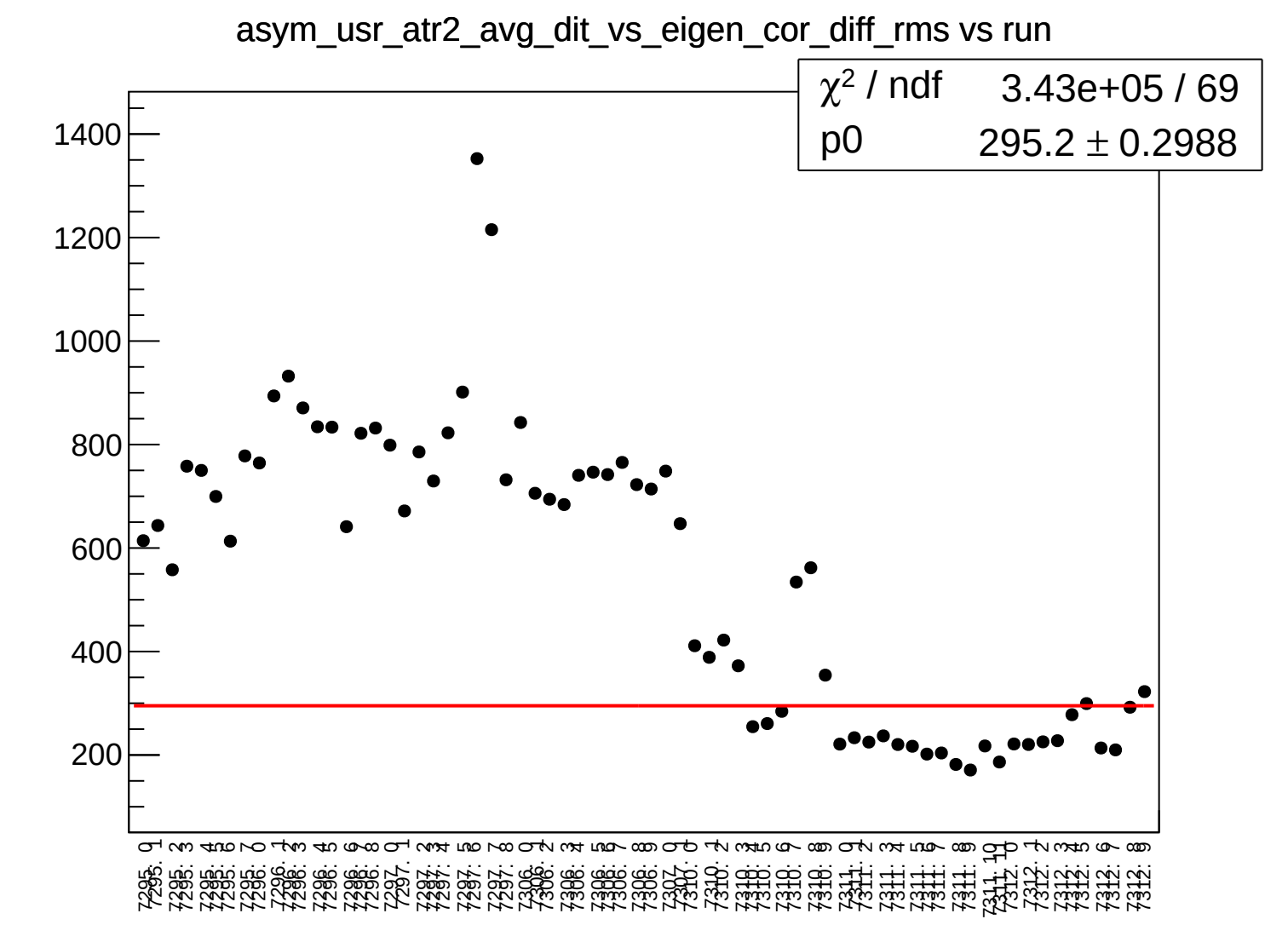

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.472e+05 / 69
p0 8.125e−11 ± 1.183e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

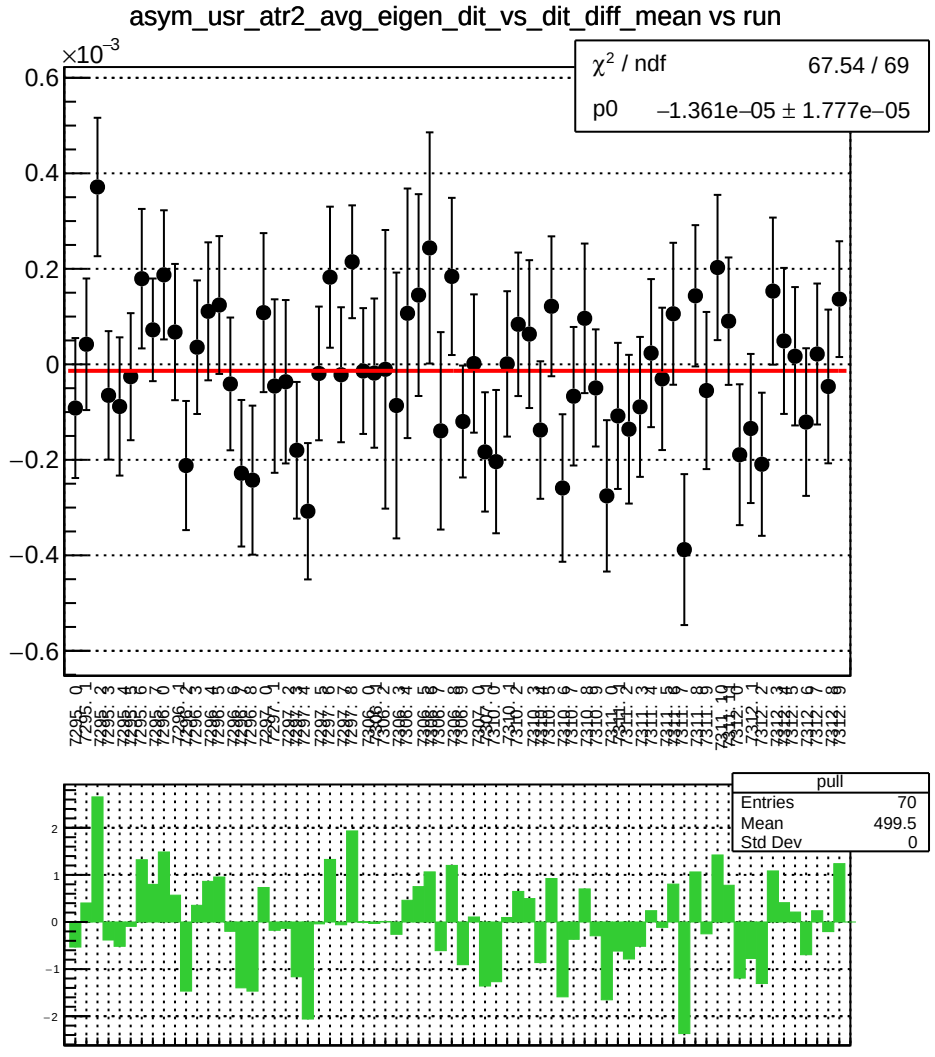

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.68 / 69
p0 0.1119 ± 0.4225
pull
Entries 70
Mean −6.805
Std Dev 0

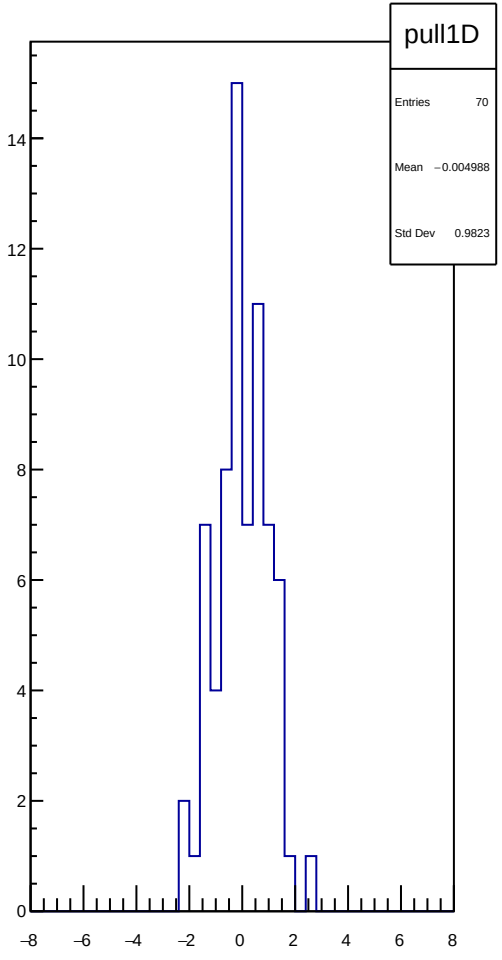

pull1D
Entries 70
Mean −0.02783
Std Dev 1.004

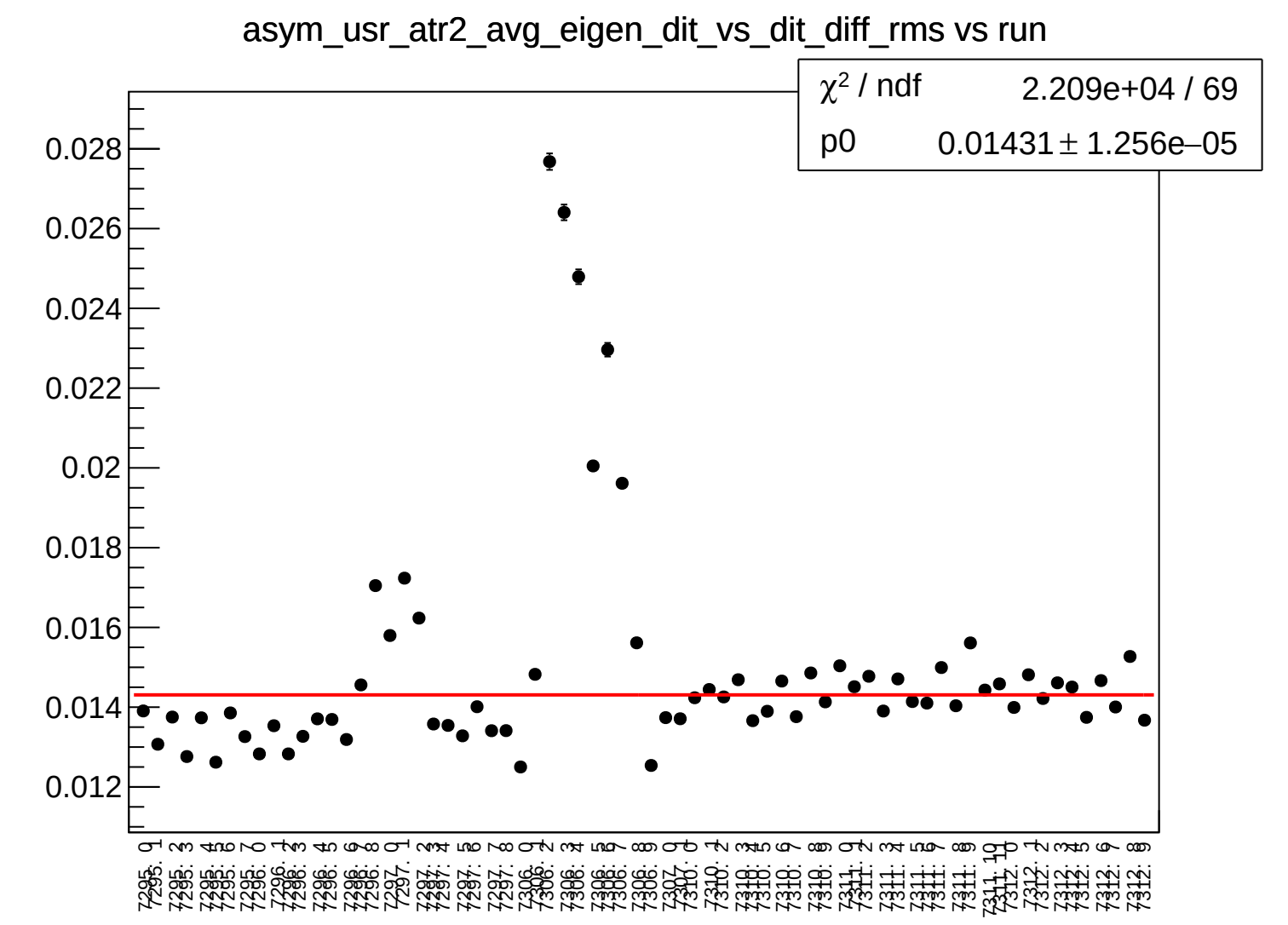

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.43e+05 / 69
p0 295.2 ± 0.2988
1400
1200
1000
800
600
400
200

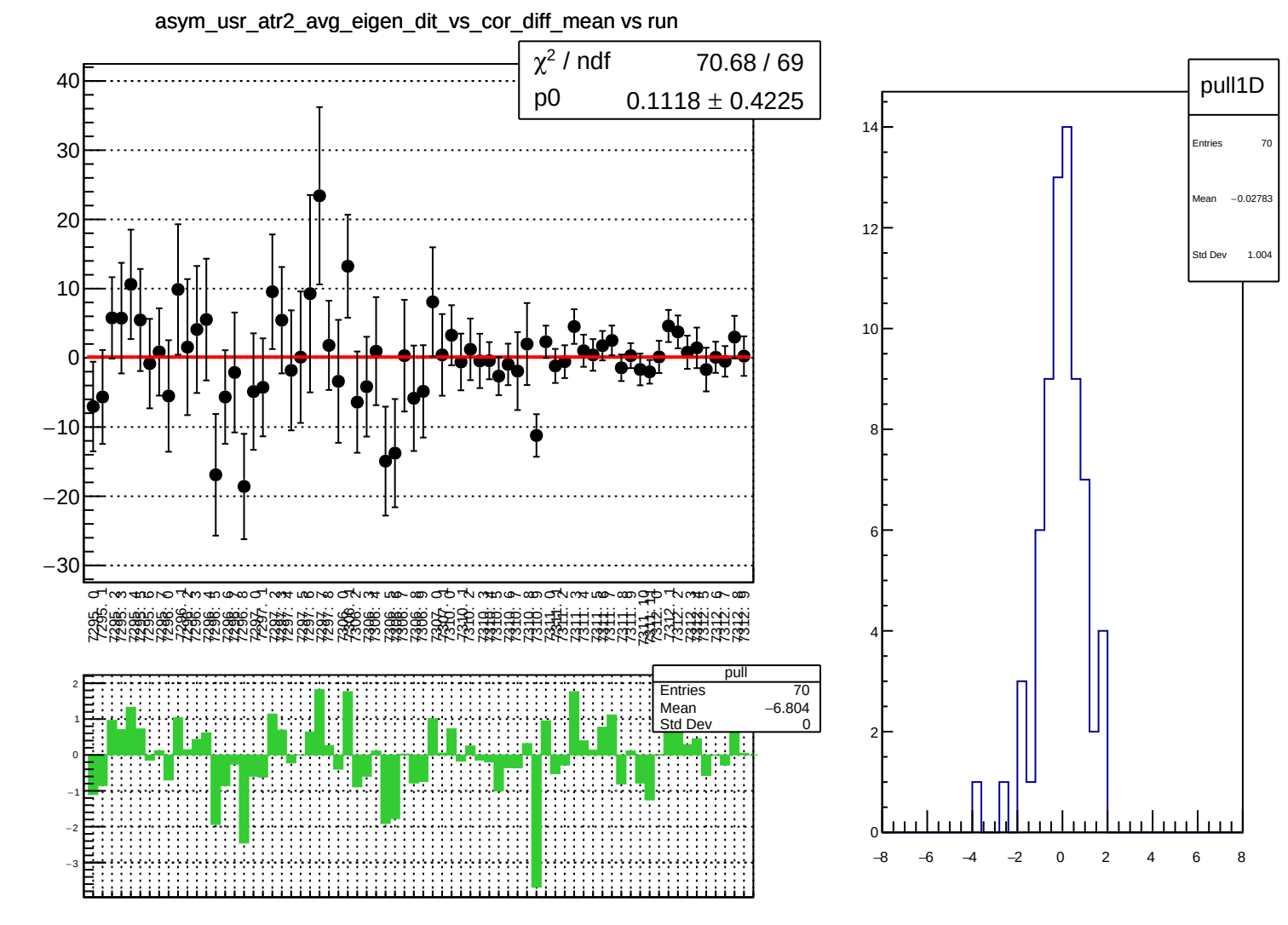

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.68 / 69
p0 0.1119 ± 0.4225
pull
Entries 70
Mean −6.805
Std Dev 0
pull1D
Entries 70
Mean −0.02783
Std Dev 1.004

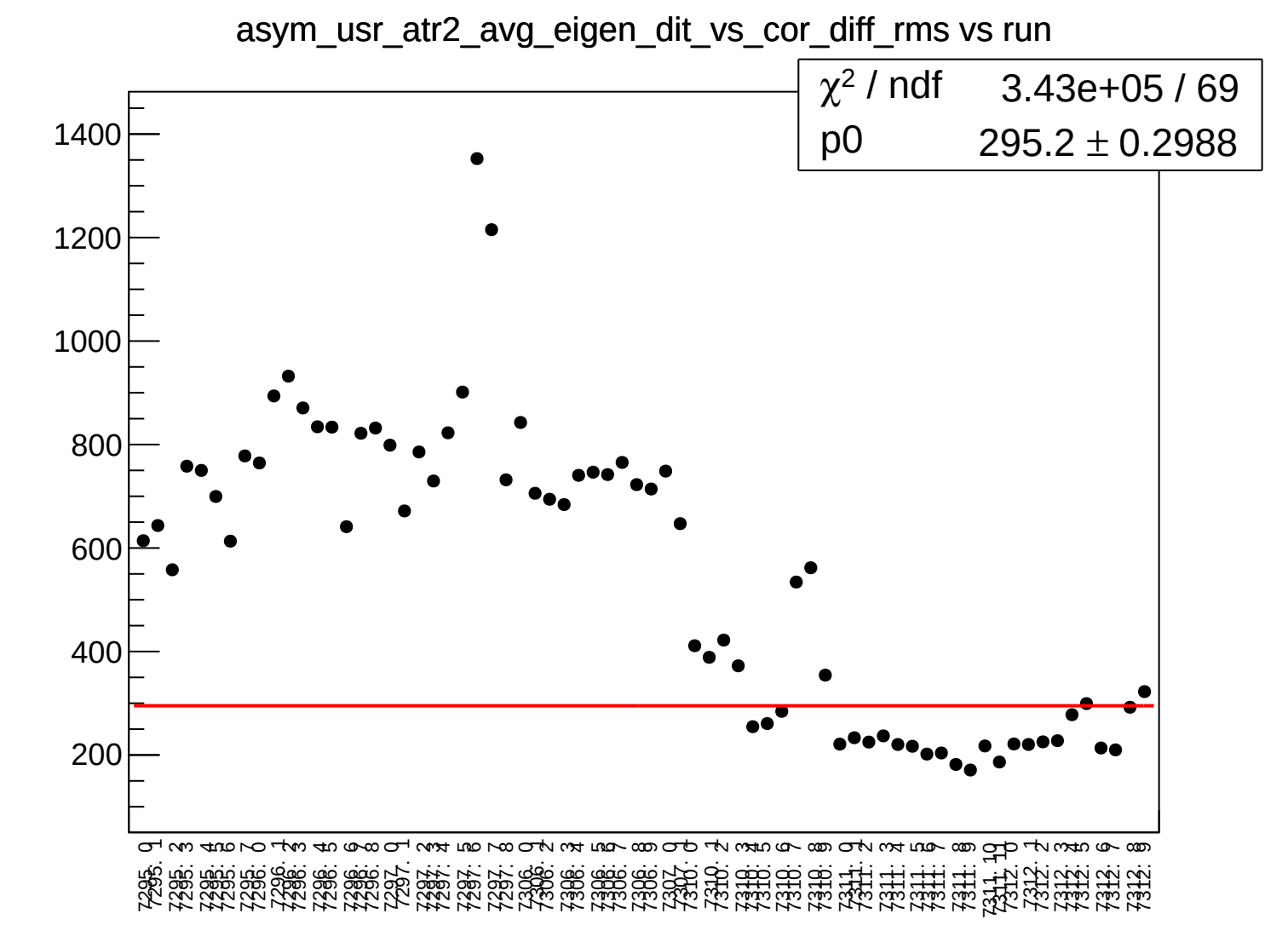

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.43e+05 / 69
p0 295.2 ± 0.2988
1400
1200
1000
800
600
400
200

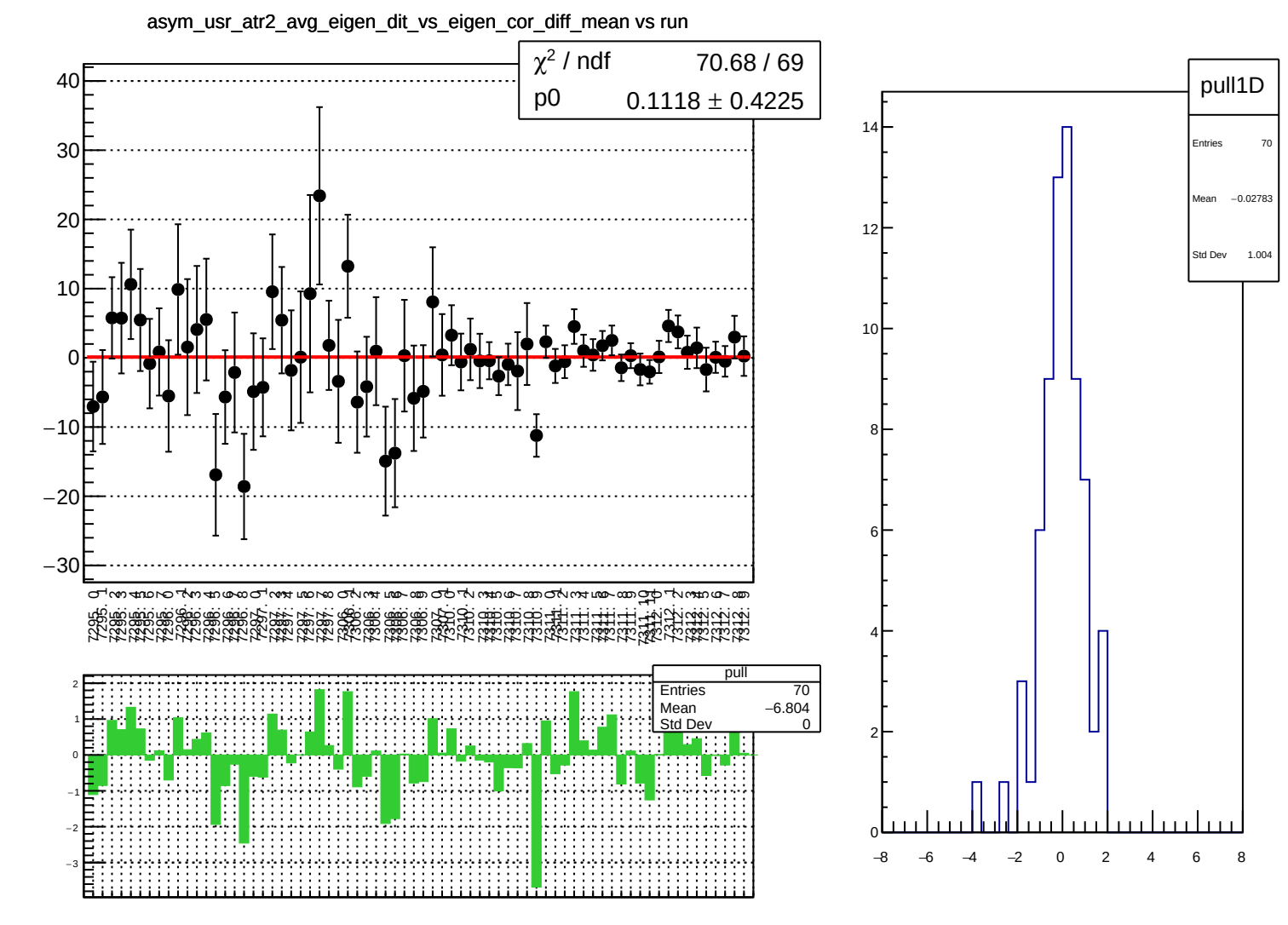

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.54 / 69
p0 −1.361e−05 ± 1.777e−05
pull
Entries 70
Mean 499.5
Std Dev 0

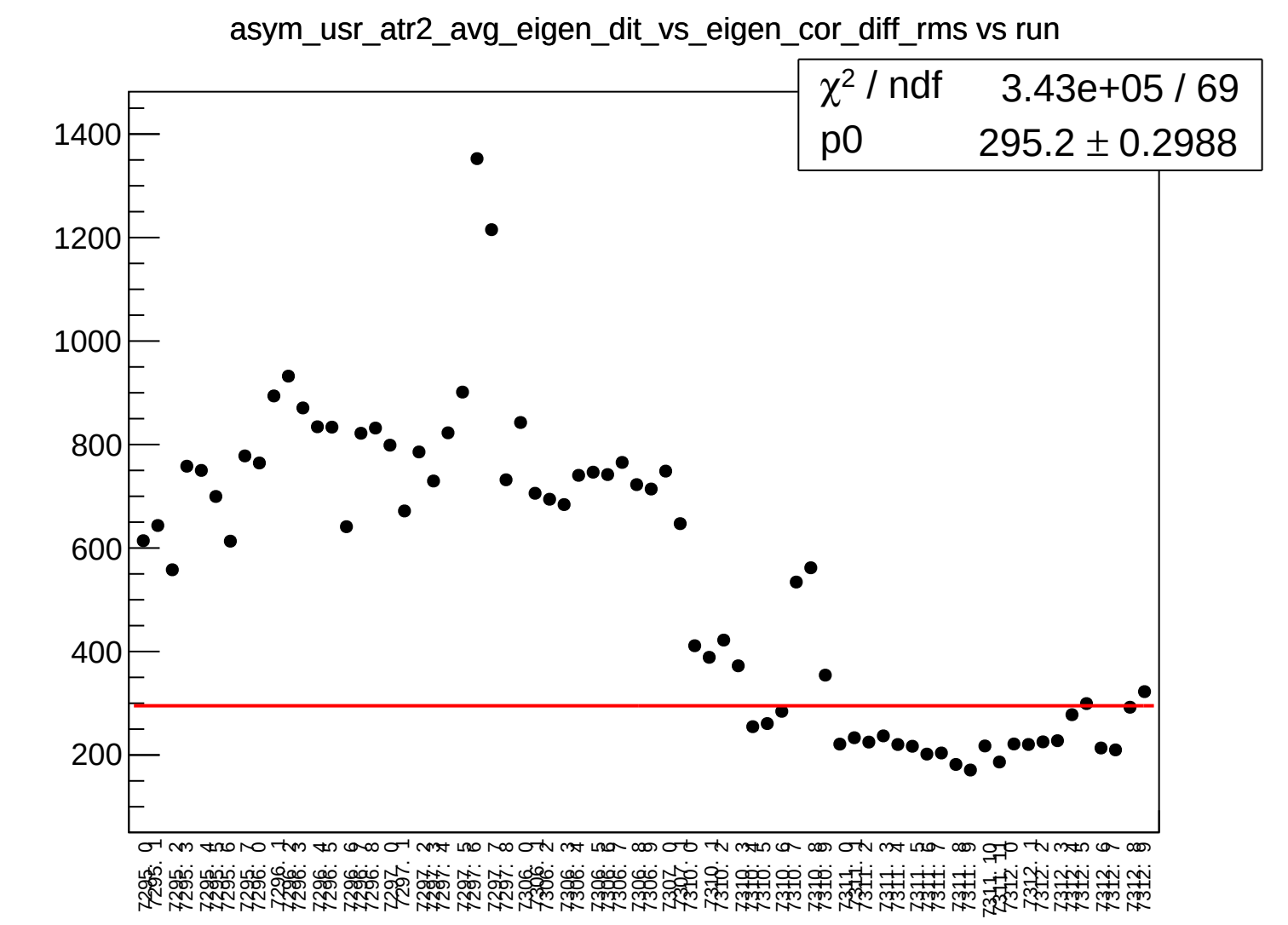

pull1D
Entries 70
Mean −0.004988
Std Dev 0.9823

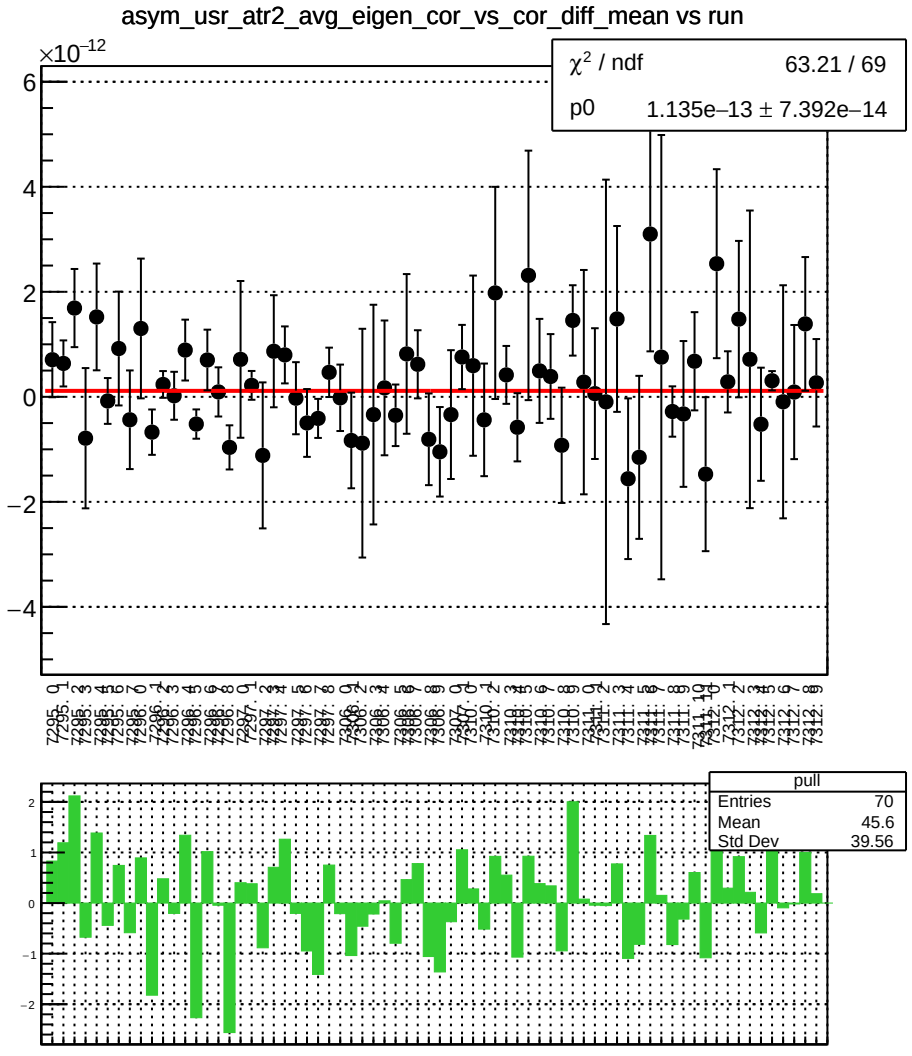

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.209e+04 / 69
p0 0.01431 ± 1.256e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

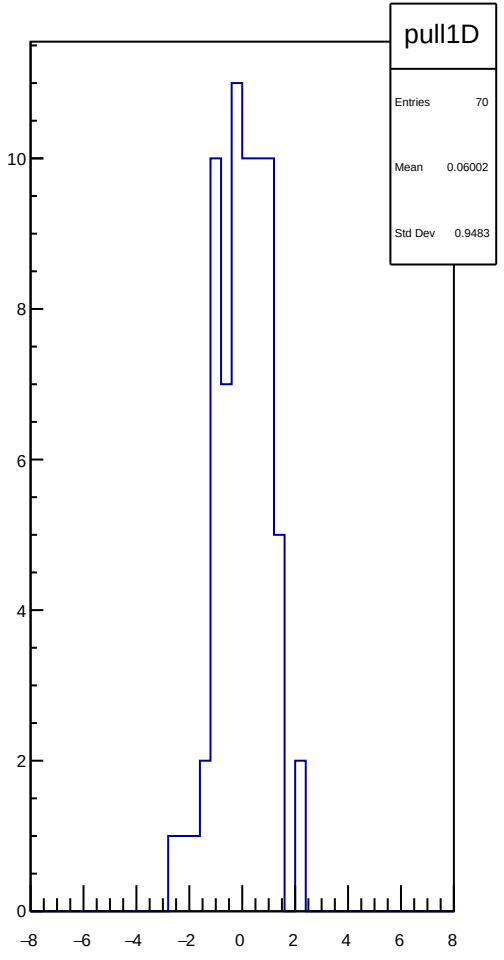

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.68 / 69
p0 0.1118 ± 0.4225
pull
Entries 70
Mean −6.804
Std Dev 0
pull1D
Entries 70
Mean −0.02783
Std Dev 1.004

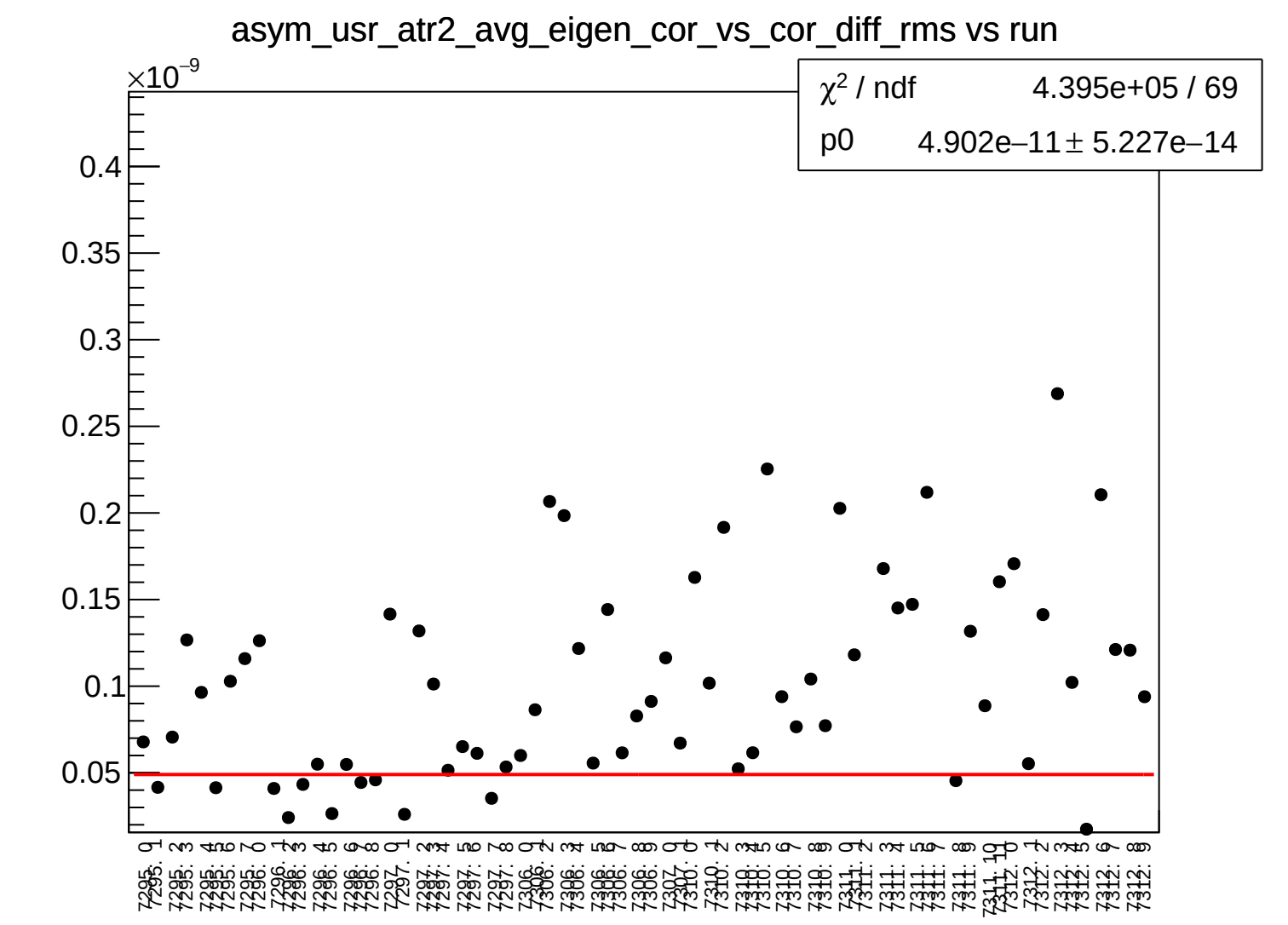

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.43e+05 / 69
p0 295.2 ± 0.2988
1400
1200
1000
800
600
400
200

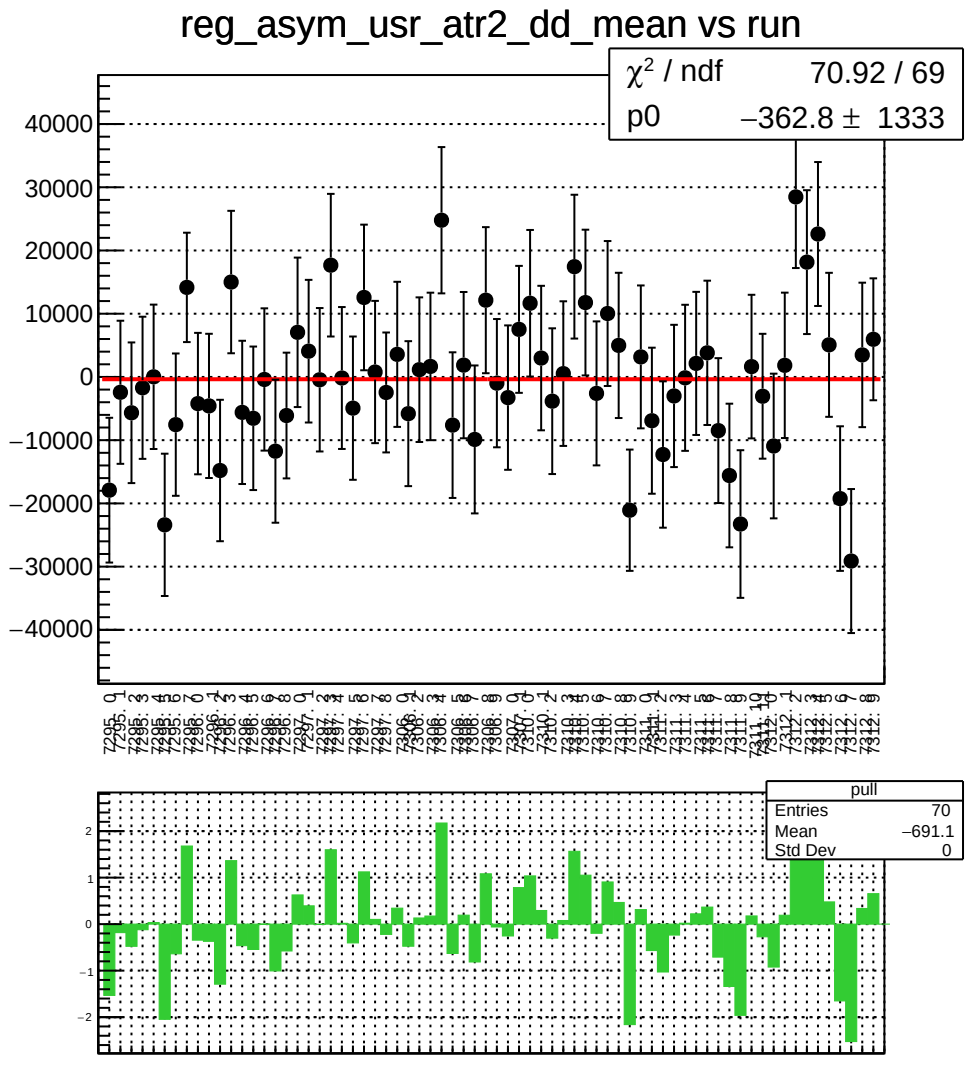

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.68 / 69
p0 0.1118 ± 0.4225
pull
Entries 70
Mean −6.804
Std Dev 0
pull1D
Entries 70
Mean −0.02783
Std Dev 1.004

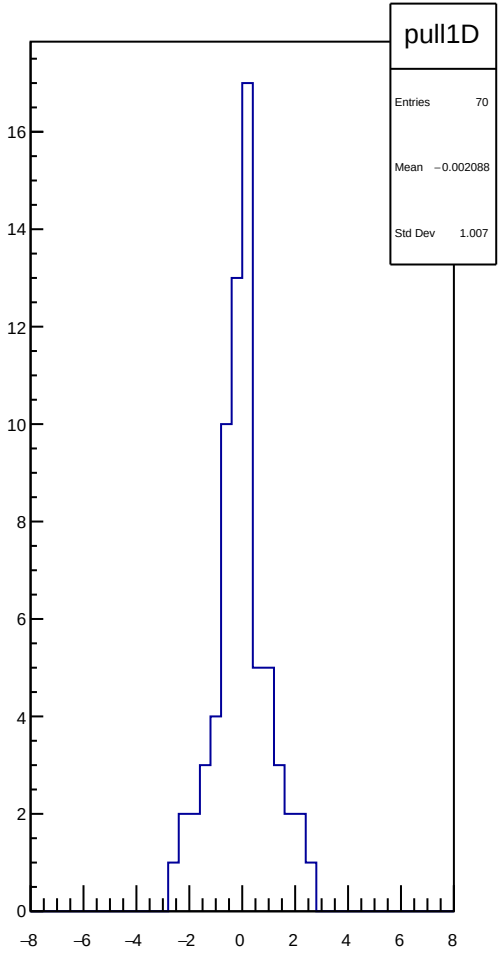

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.43e+05 / 69
p0 295.2 ± 0.2988
1400
1200
1000
800
600
400
200

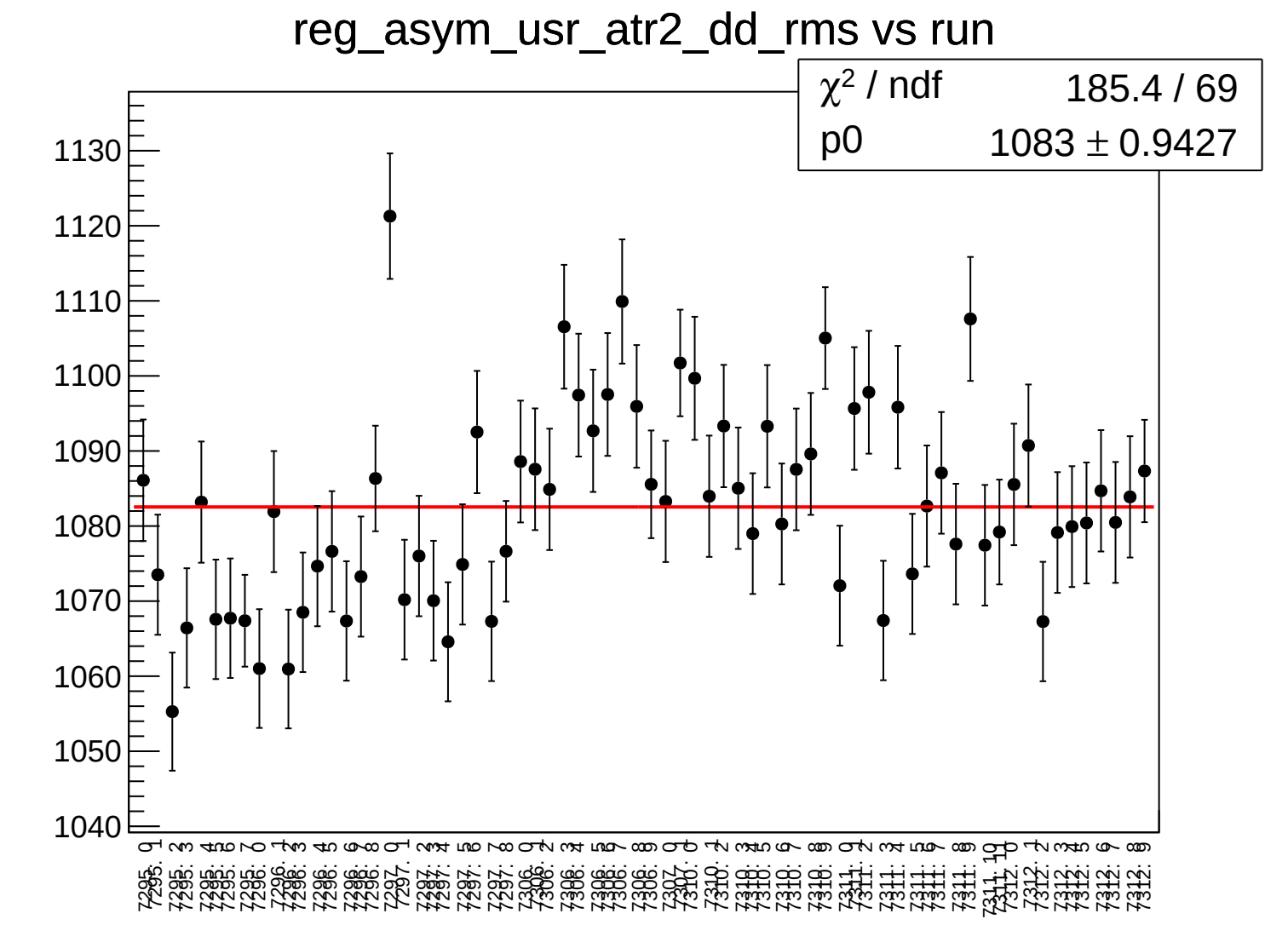

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.21 / 69
p0 1.135e−13 ± 7.392e−14
pull
Entries 70
Mean 45.6
Std Dev 39.56

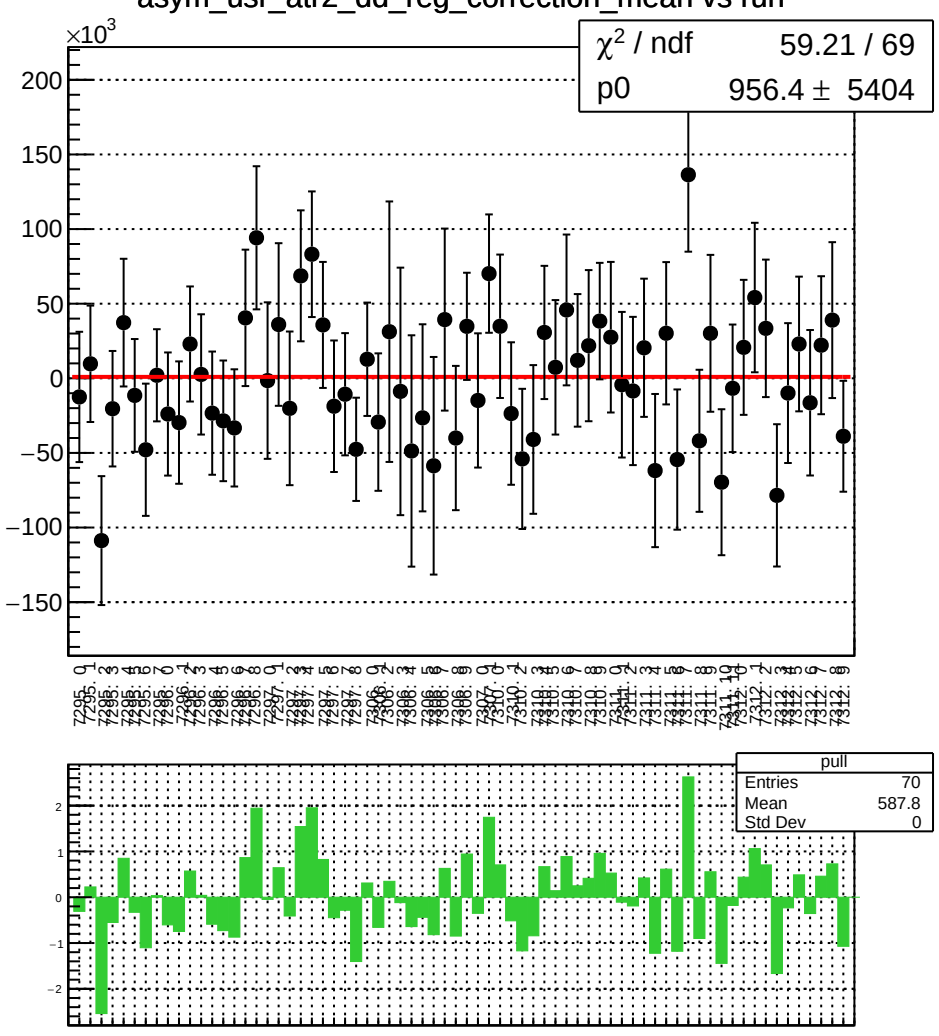

pull1D
Entries 70
Mean 0.06002
Std Dev 0.9483

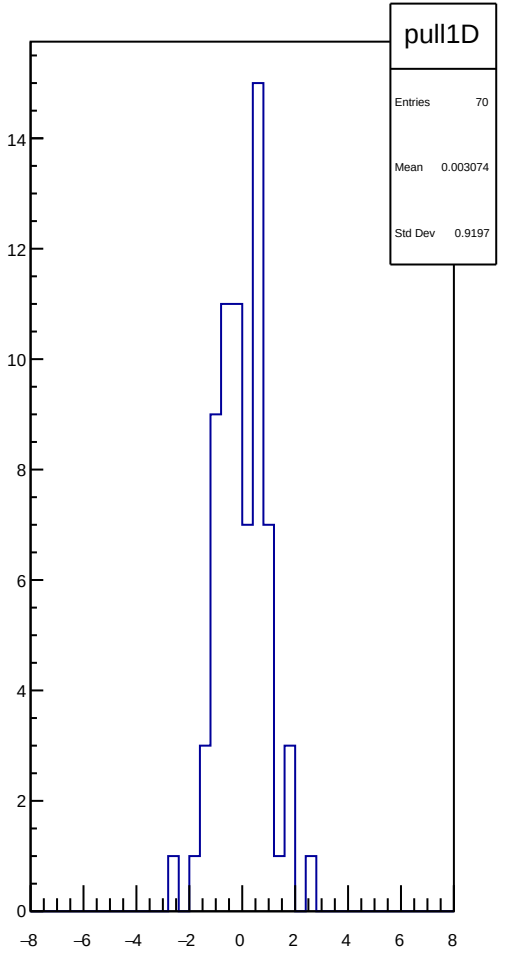

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.395e+05 / 69
p0 4.902e−11 ± 5.227e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

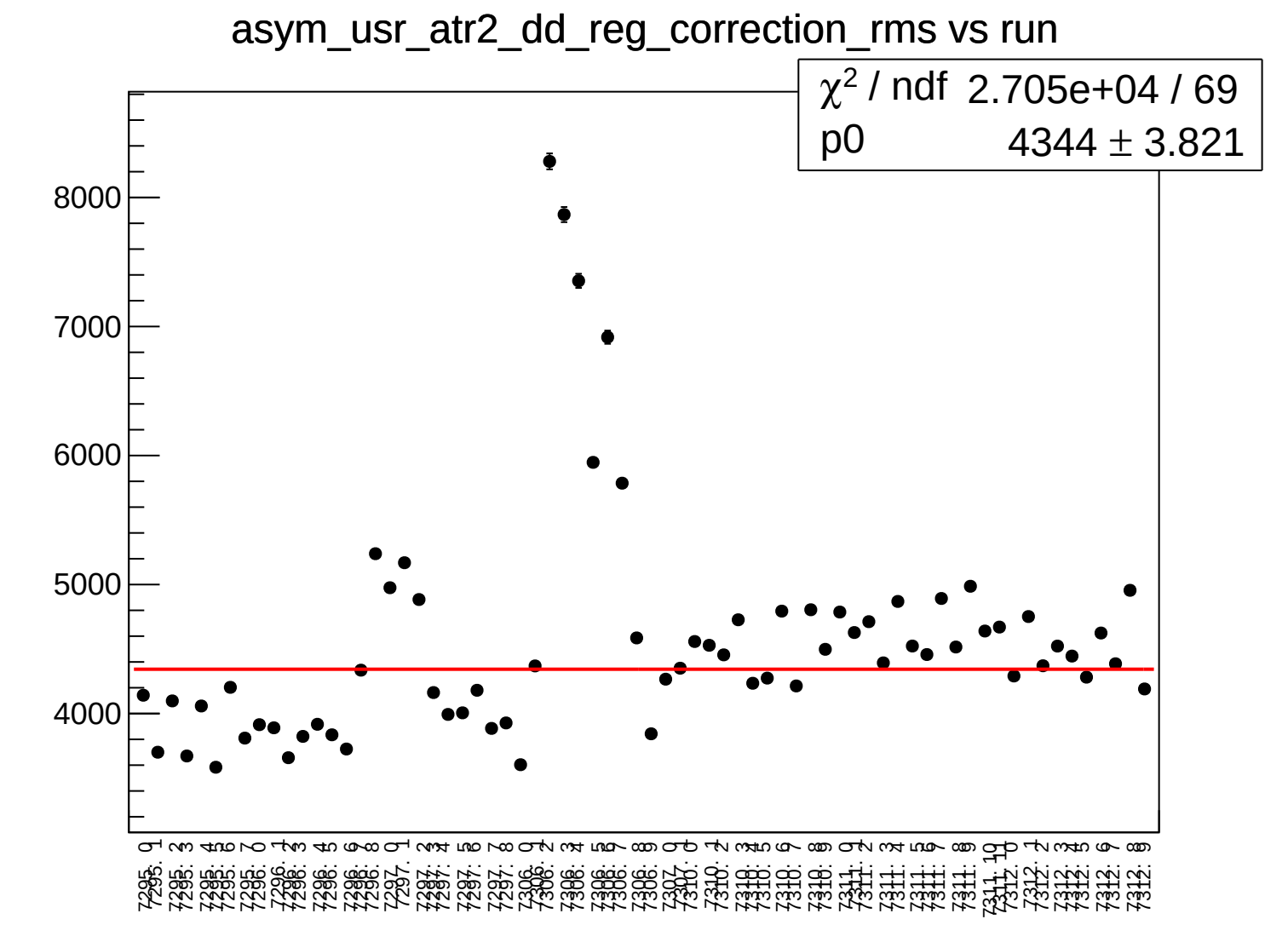

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 70.92 / 69
p0 −362.8 ± 1333
pull
Entries 70
Mean −691.1
Std Dev 0

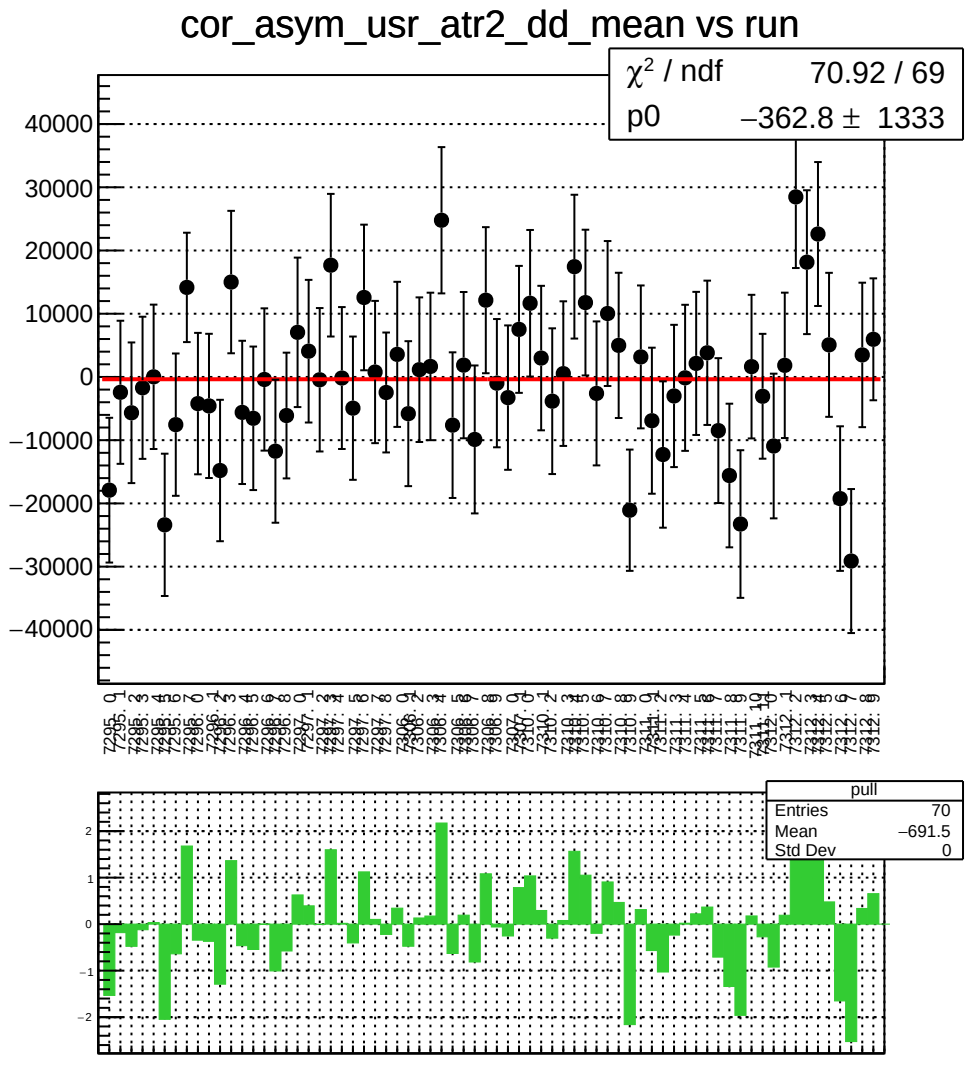

pull1D
Entries 70
Mean −0.002088
Std Dev 1.007

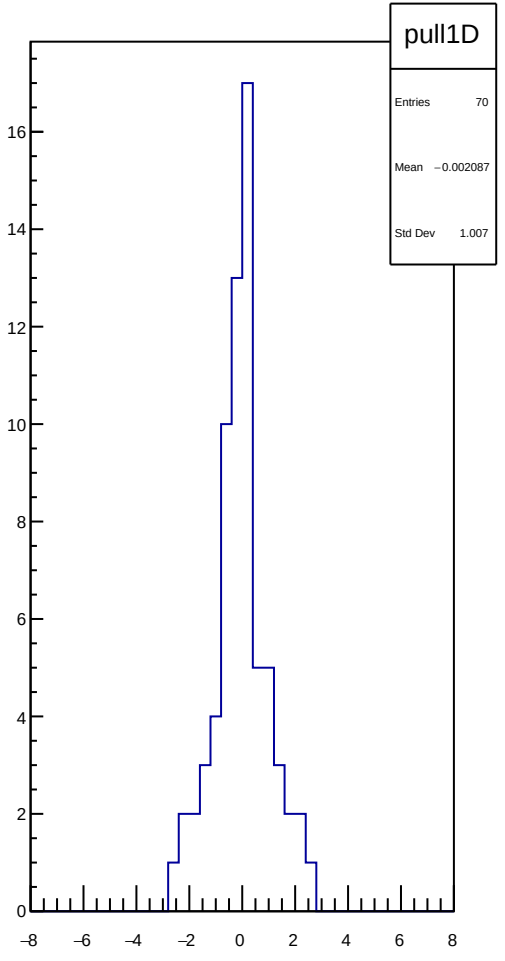

reg_asym_usr_atr2_dd_rms vs run
χ^2 / ndf 185.4 / 69
p0 1083 ± 0.9427
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040

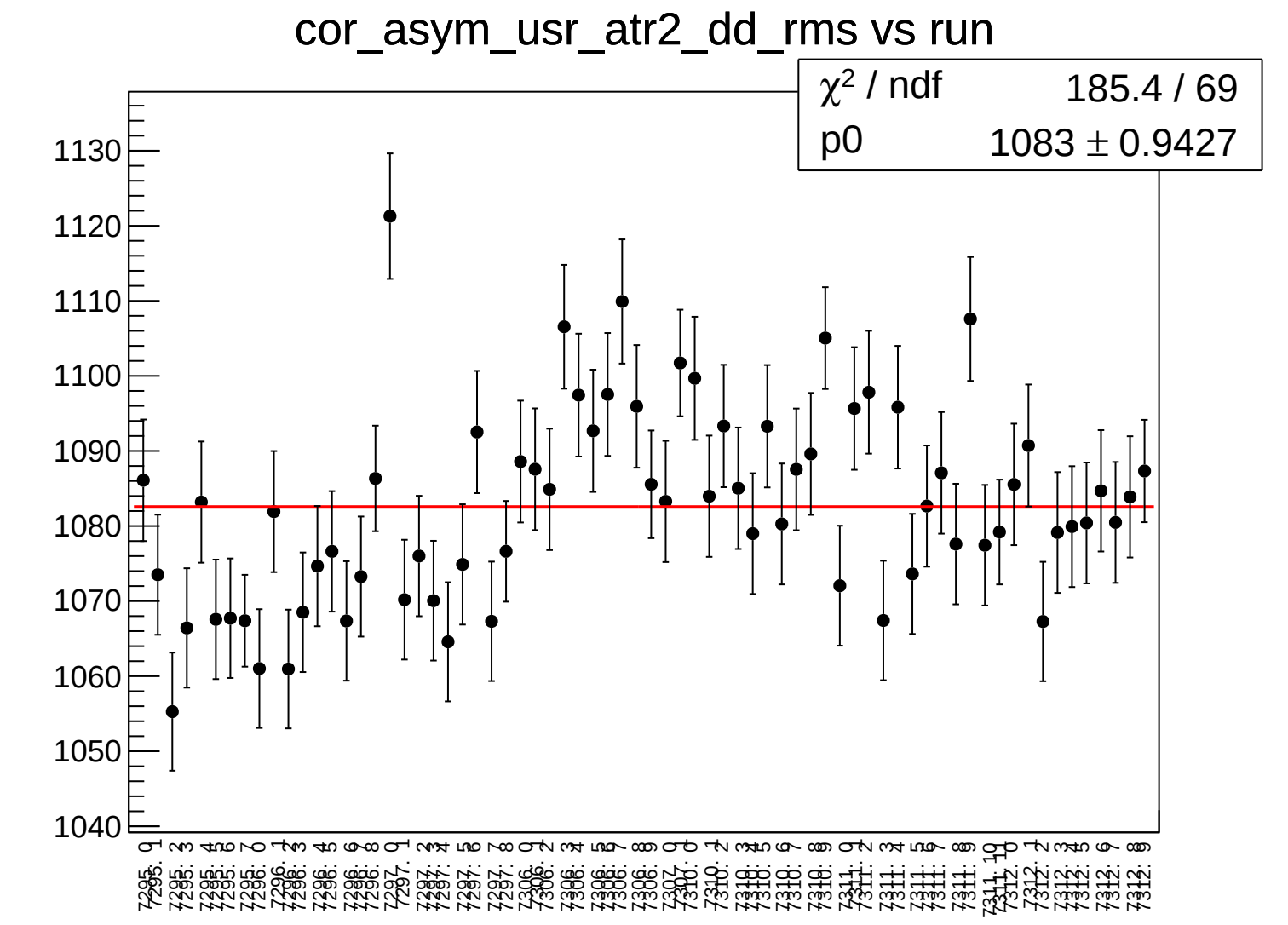

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.21 / 69
p0 956.4 ± 5404
pull
Entries 70
Mean 587.8
Std Dev 0

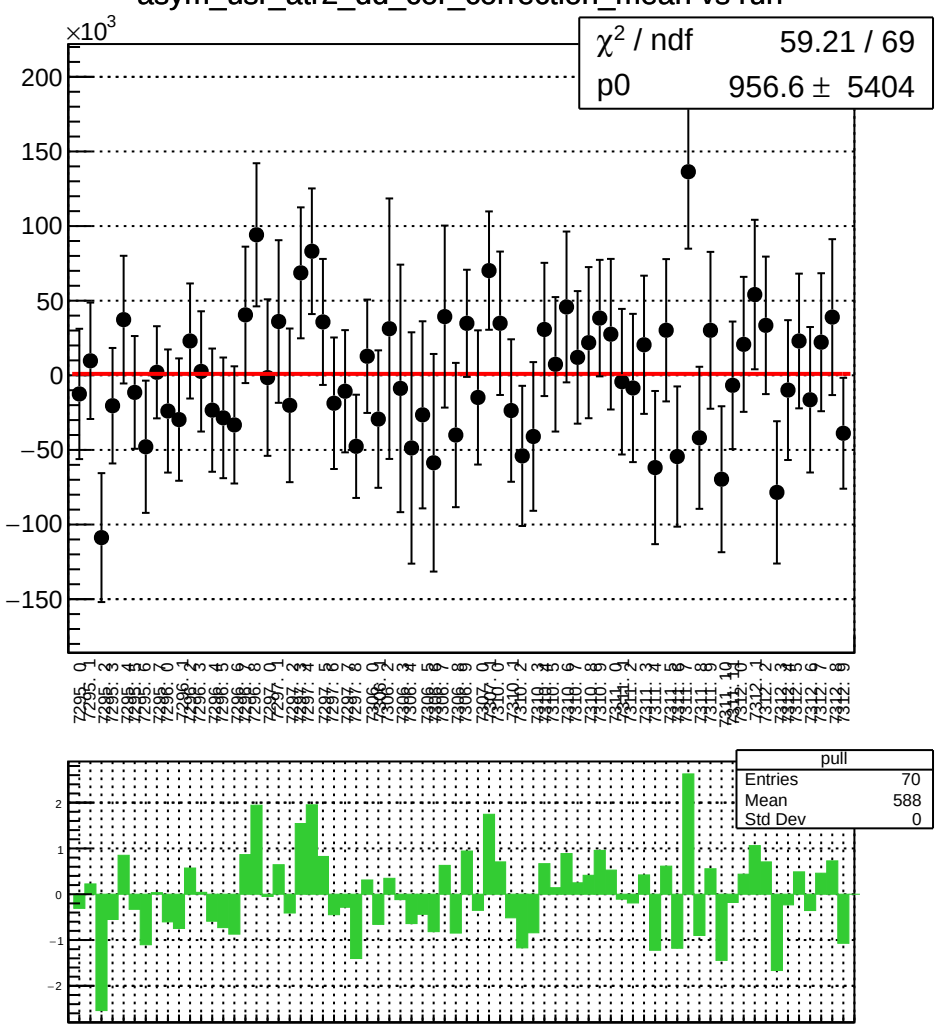

pull1D
Entries 70
Mean 0.003074
Std Dev 0.9197

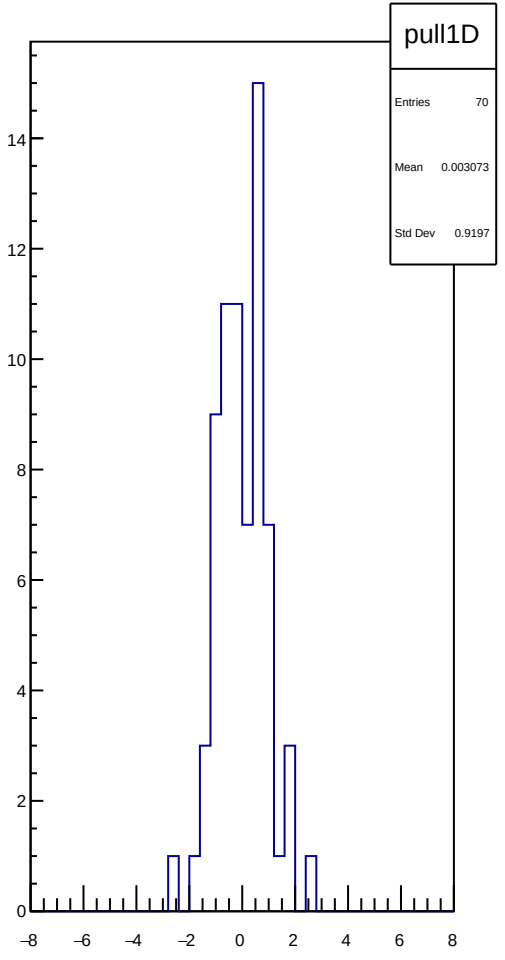

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 2.705e+04 / 69
p0 4344 ± 3.821
8000
7000
6000
5000
4000

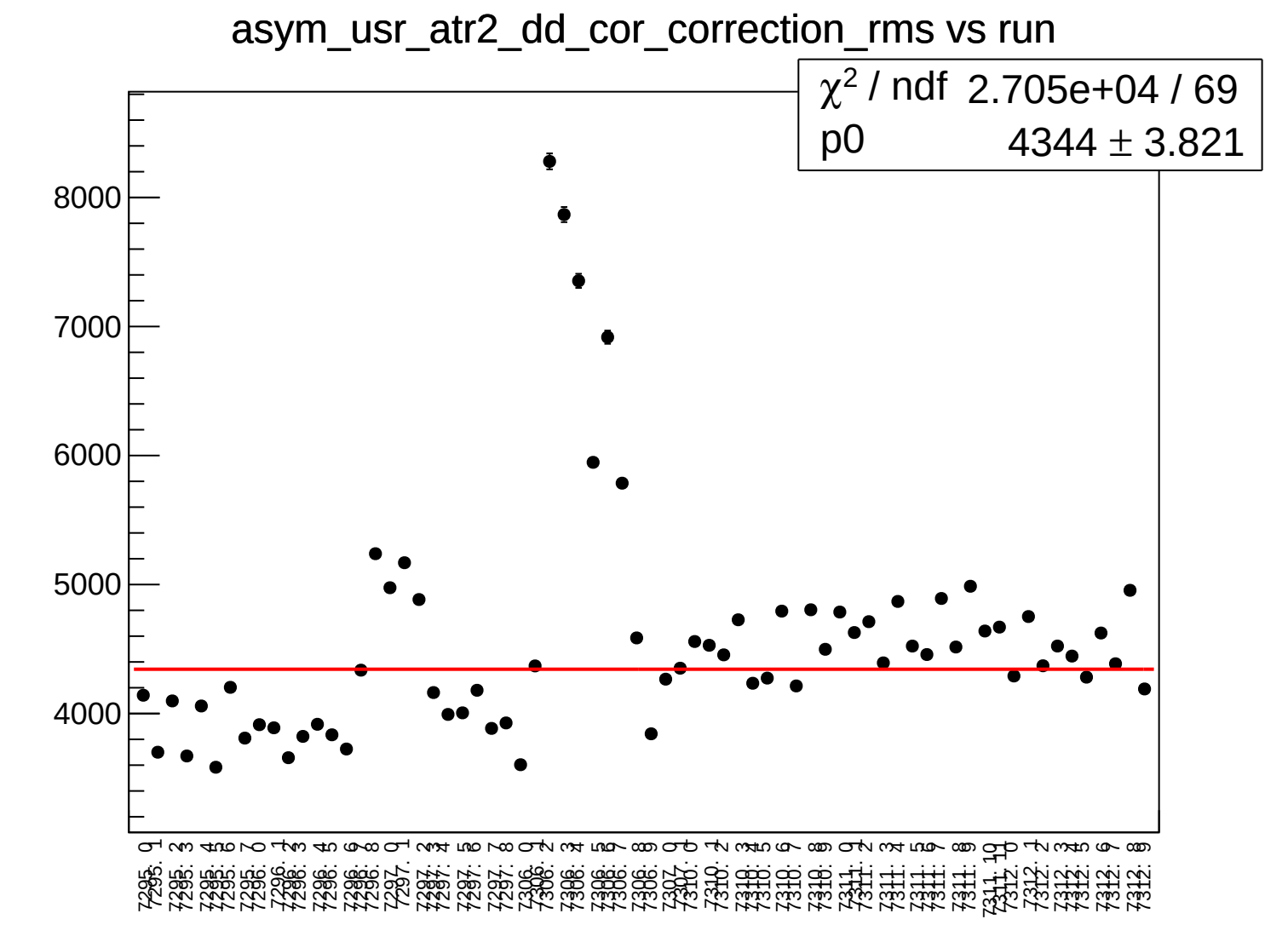

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 70.92 / 69
p0 −362.8 ± 1333
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 70
Mean −691.5
Std Dev 0
2
1
0
−1
−2

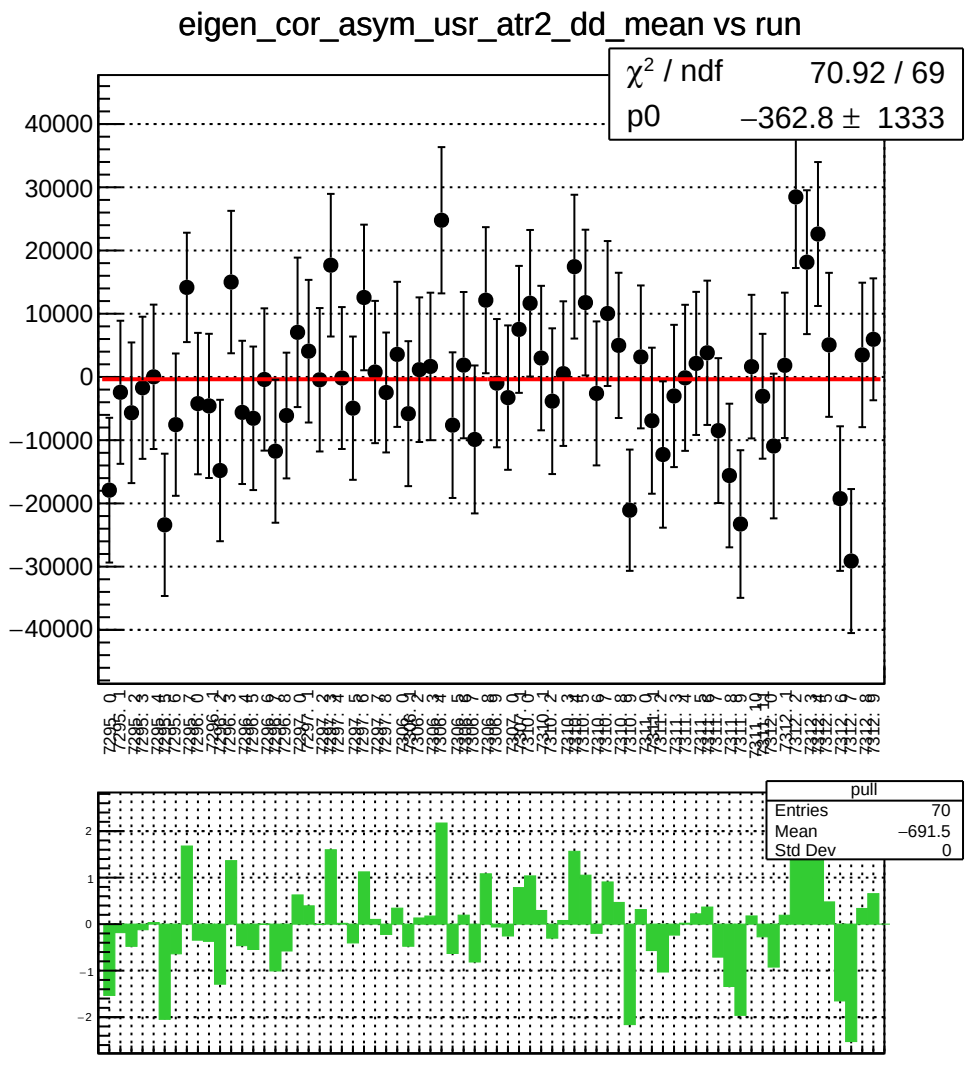

pull1D
Entries 70
Mean −0.002087
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

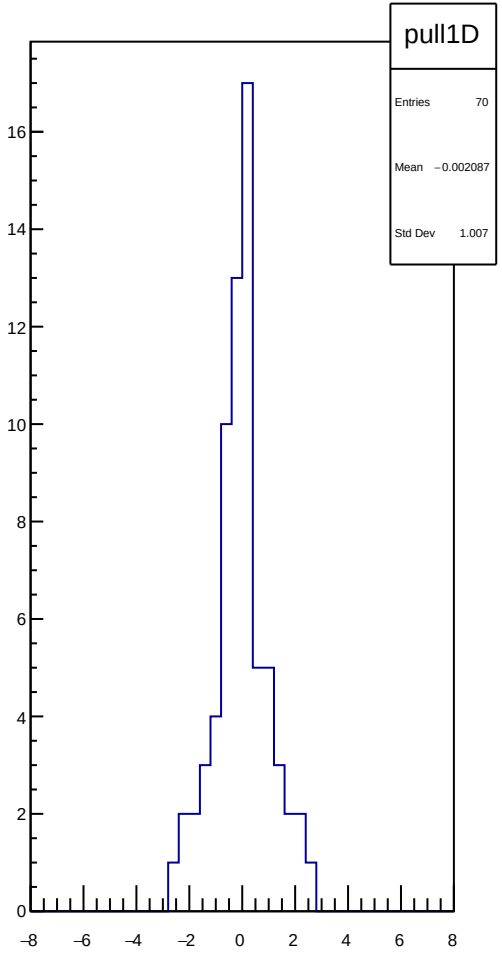

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 185.4 / 69
p0 1083 ± 0.9427
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040

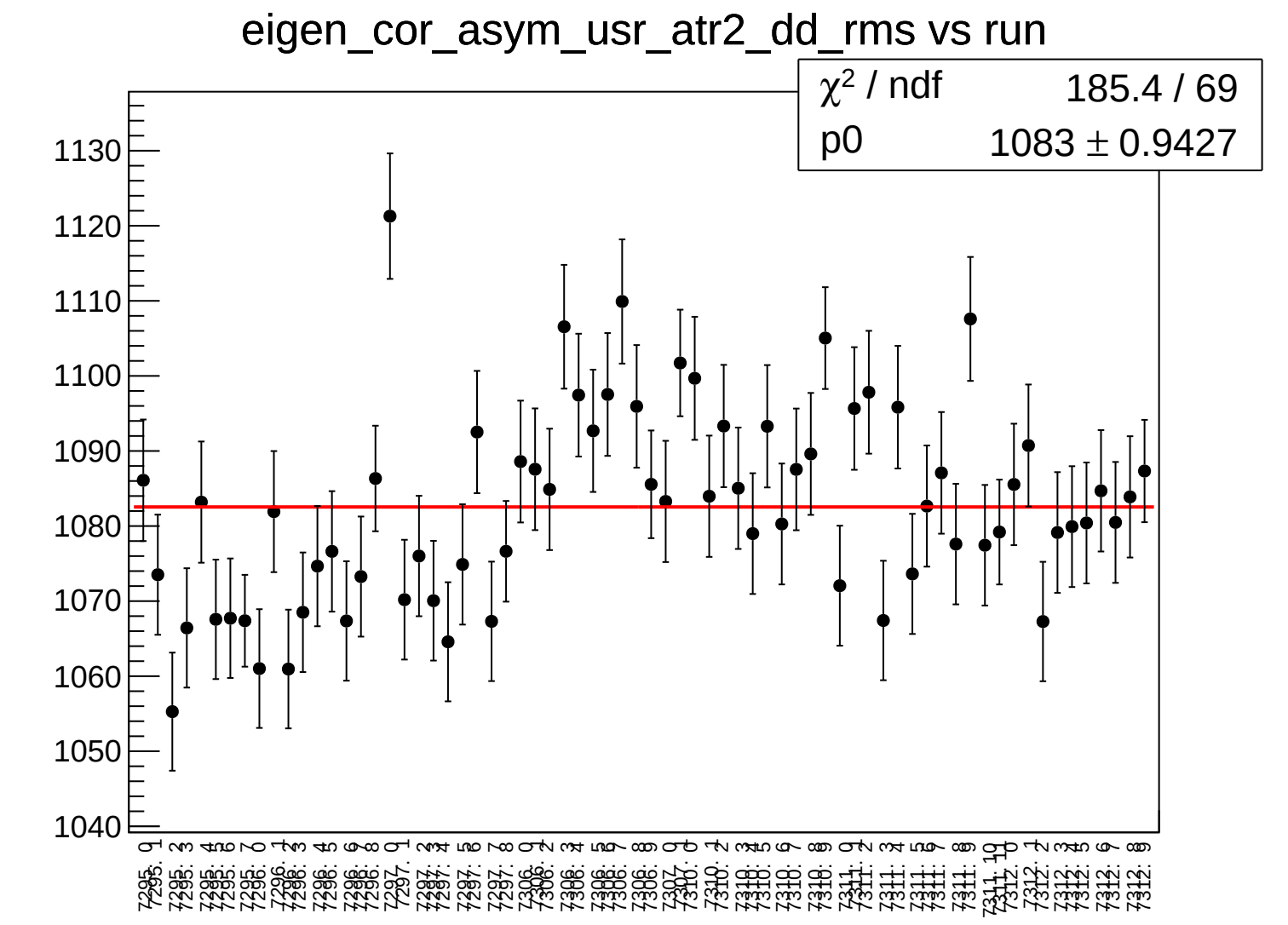

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.21 / 69
p0 956.6 ± 5404
pull
Entries 70
Mean 588
Std Dev 0

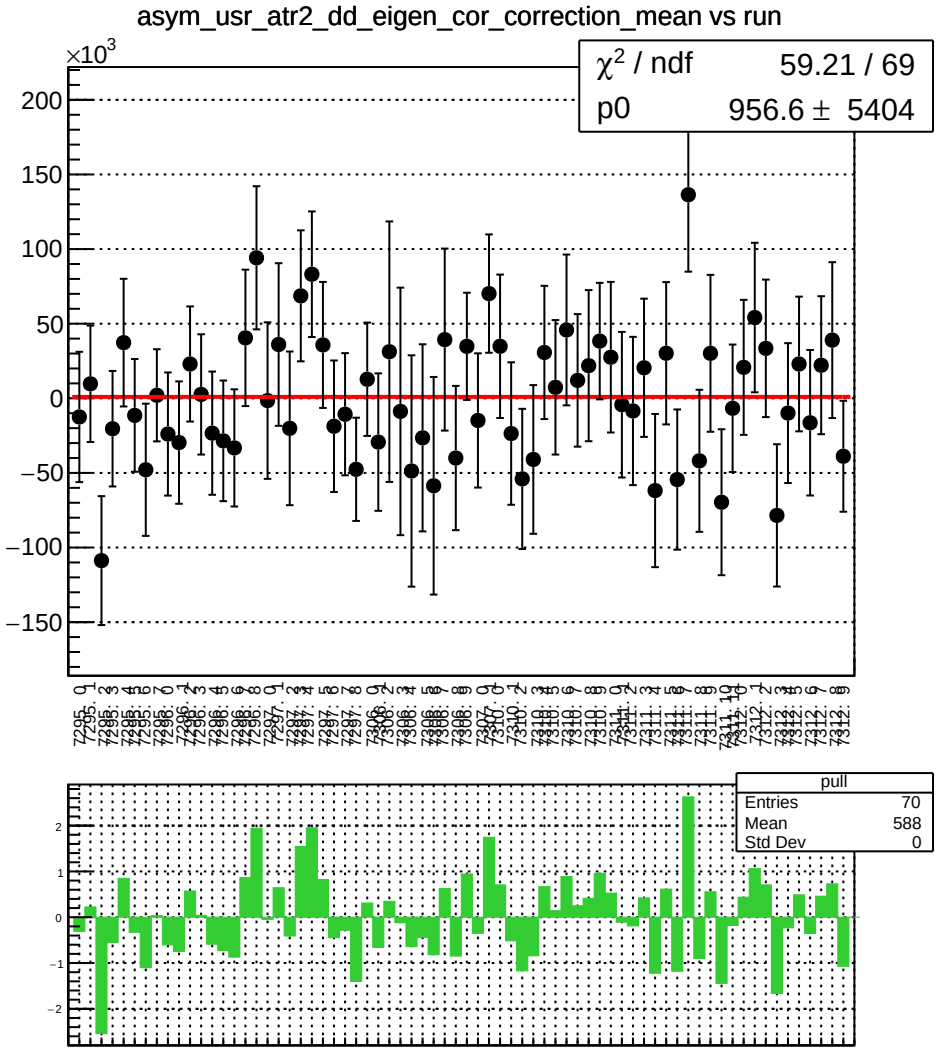

pull1D
Entries 70
Mean 0.003073
Std Dev 0.9197

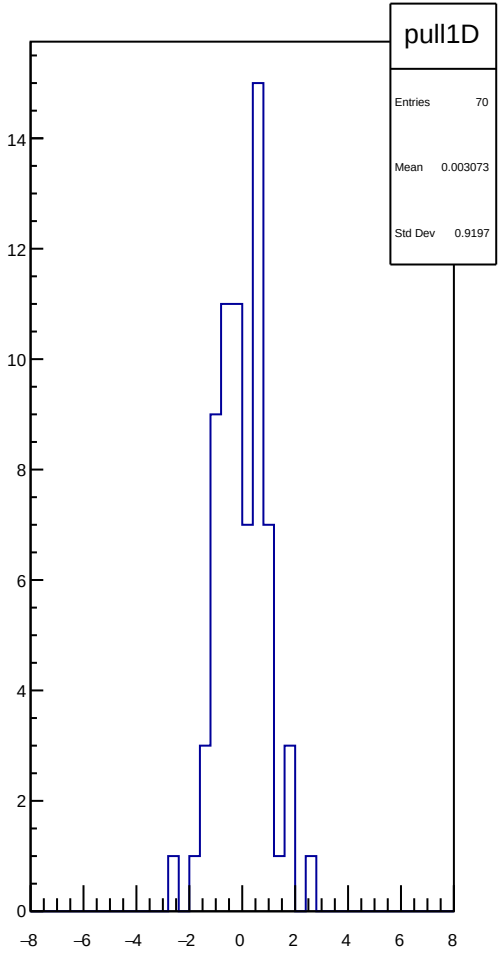

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 2.705e+04 / 69
p0 4344 ± 3.821
8000
7000
6000
5000
4000

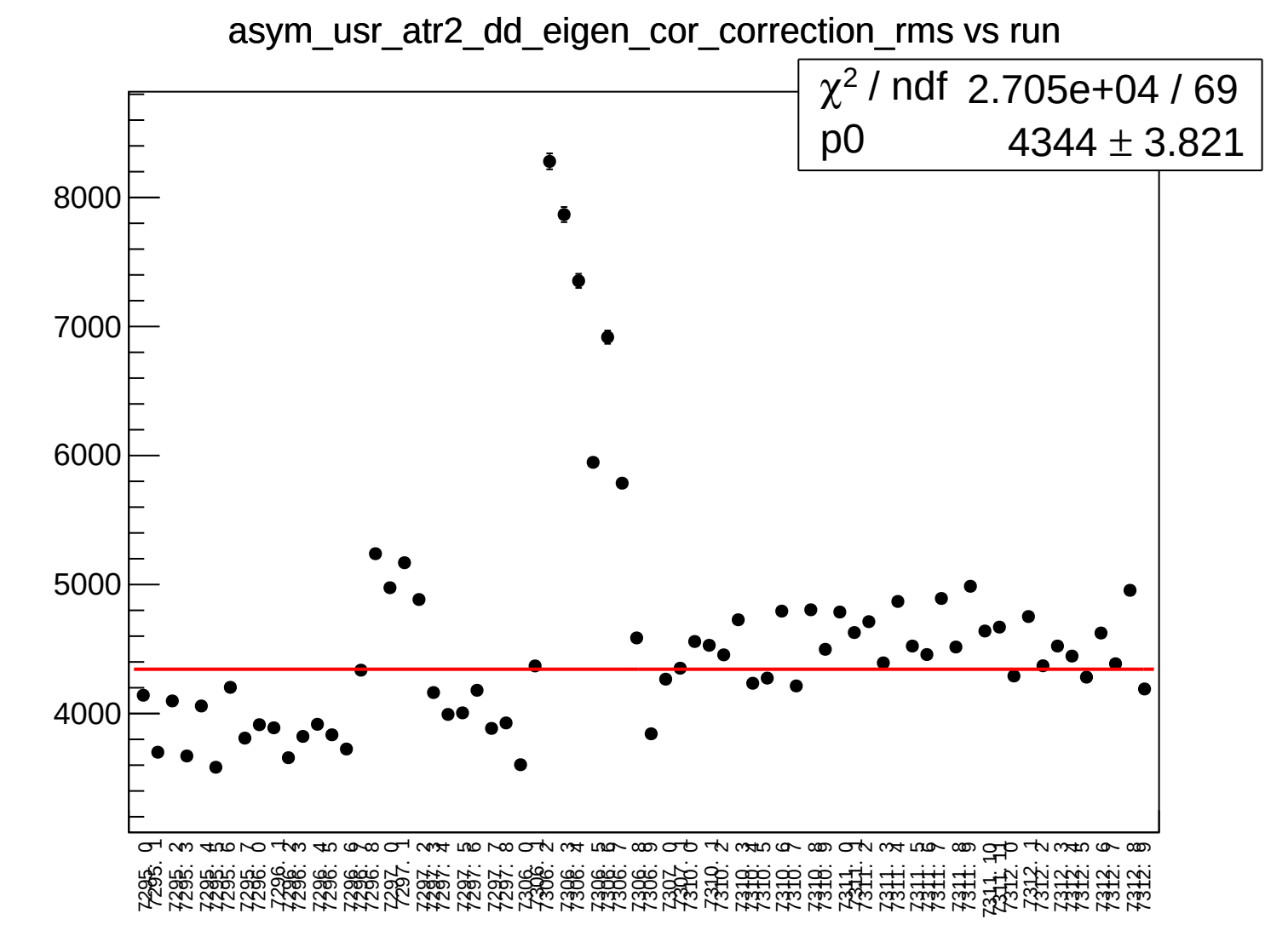

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 70.92 / 69
p0 −362.8 ± 1333
pull
Entries 70
Mean −691.5
Std Dev 0

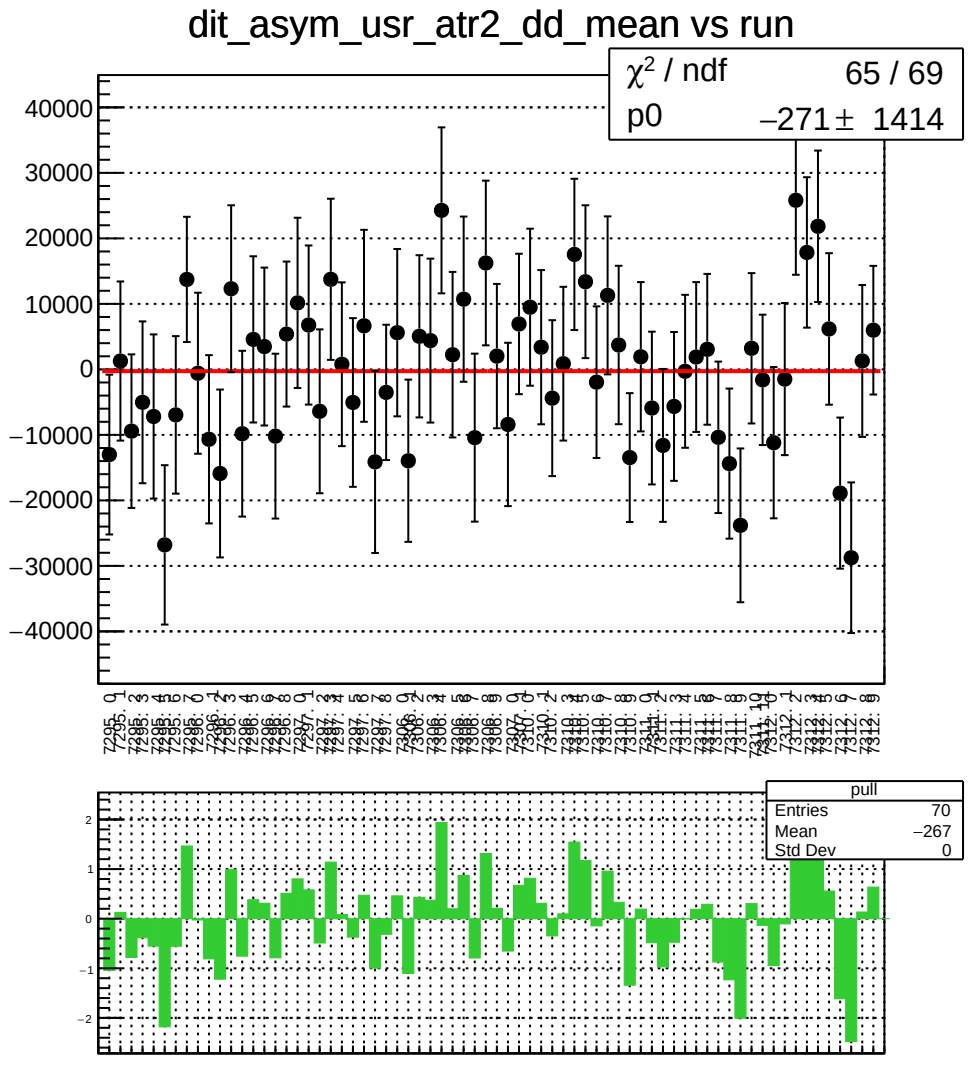

pull1D
Entries 70
Mean −0.002087
Std Dev 1.007

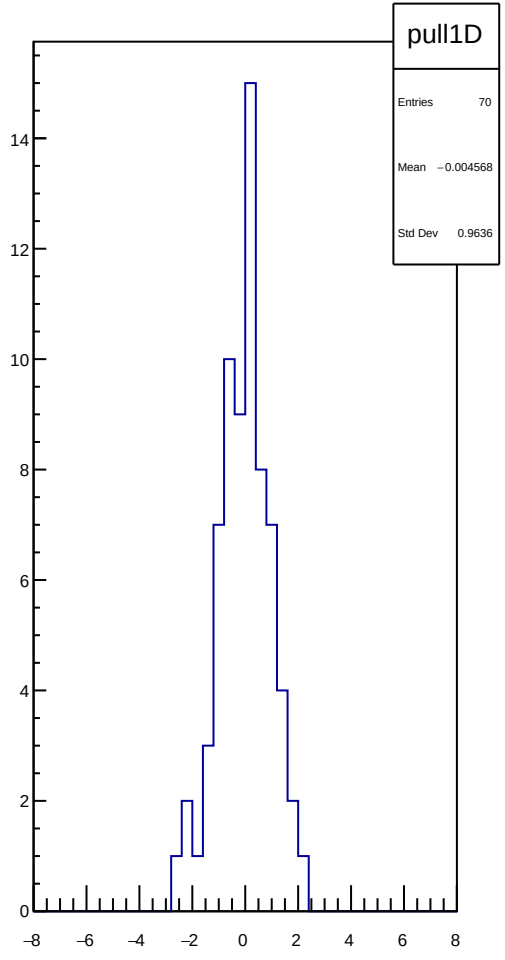

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 185.4 / 69
p0 1083 ± 0.9427
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040

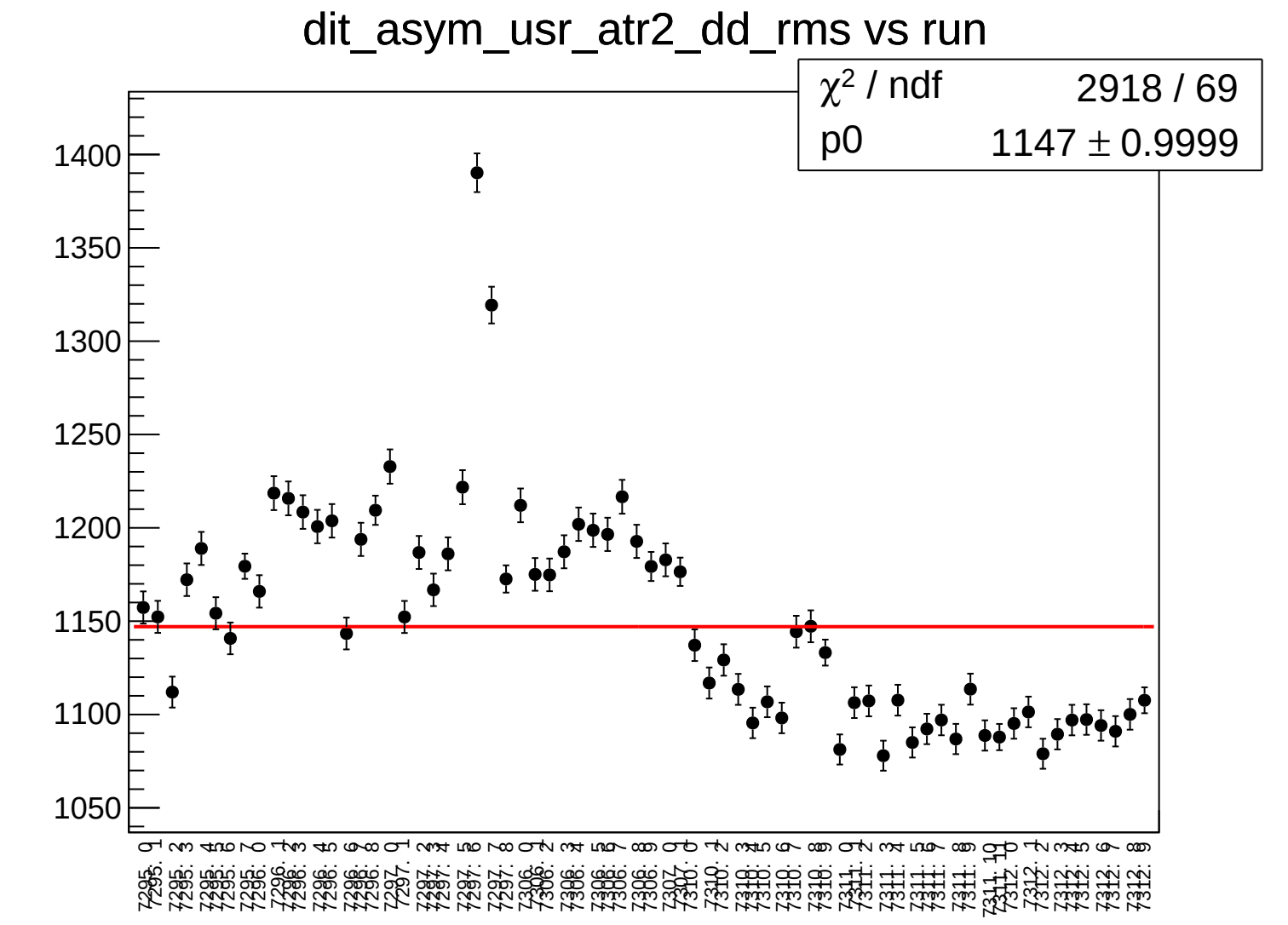

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.21 / 69
p0 956.6 ± 5404
pull
Entries 70
Mean 588
Std Dev 0

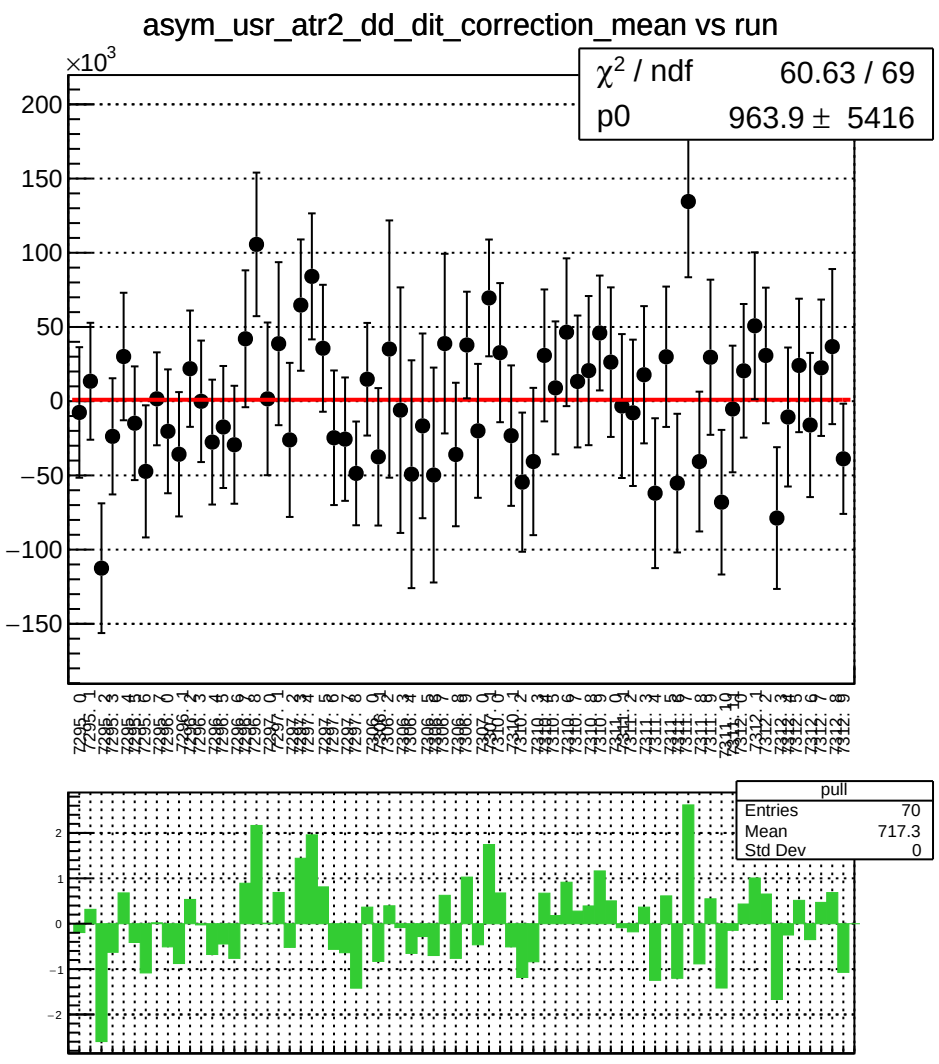

pull1D
Entries 70
Mean 0.003073
Std Dev 0.9197

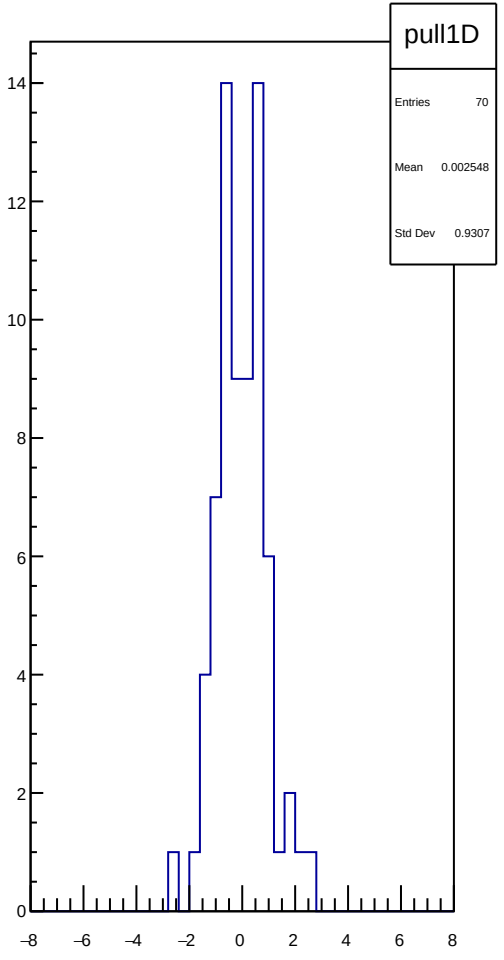

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.705e+04 / 69
p0 4344 ± 3.821
8000
7000
6000
5000
4000

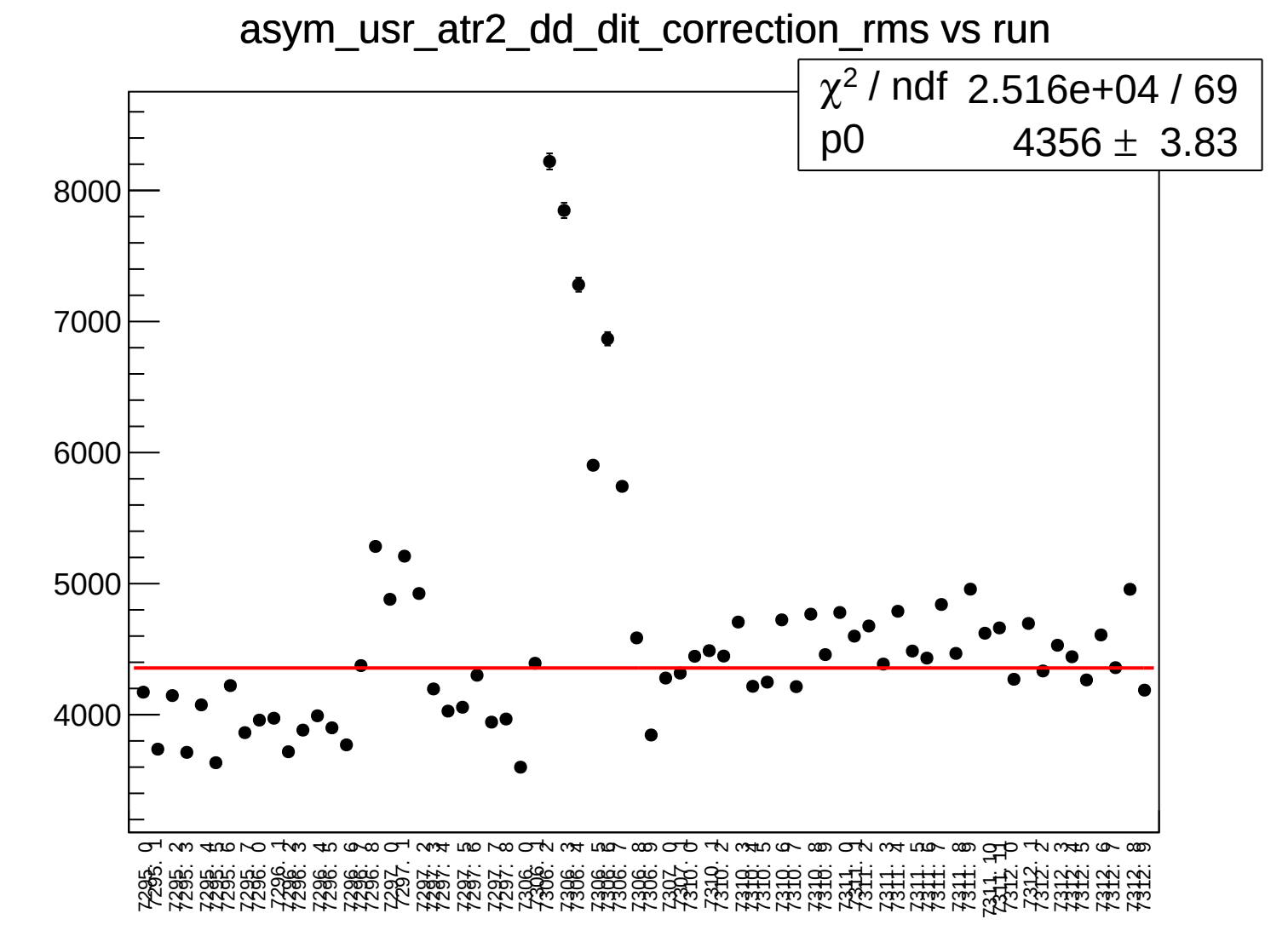

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 65 / 69
p0 −271 ± 1414
pull
Entries 70
Mean −267
Std Dev 0

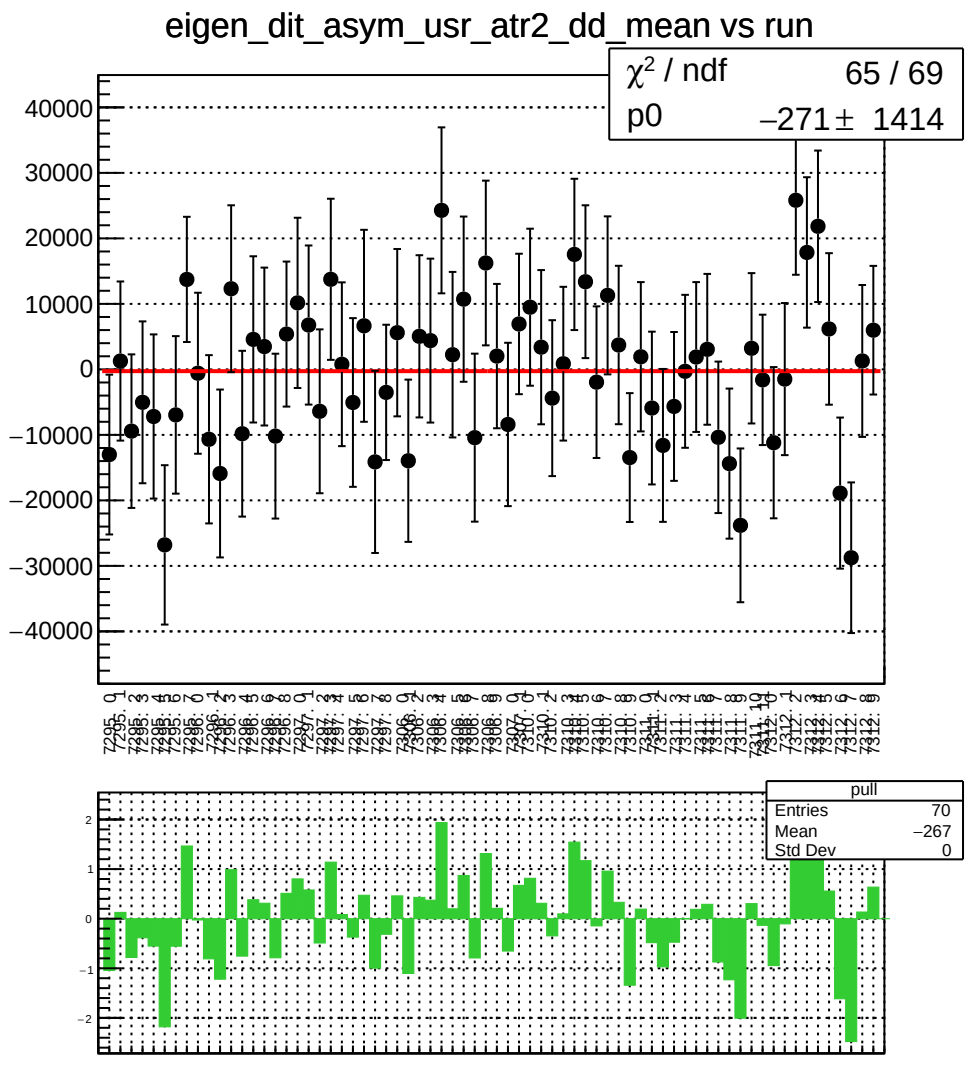

pull1D
Entries 70
Mean −0.004568
Std Dev 0.9636

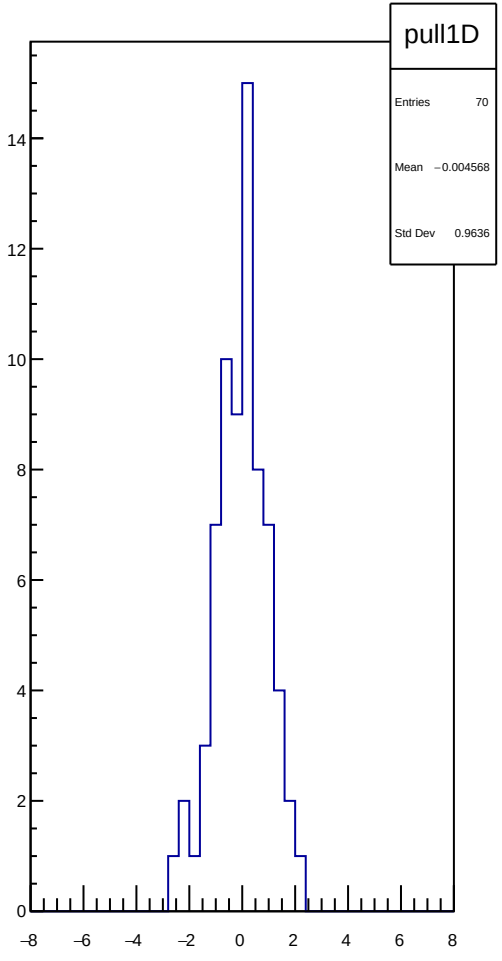

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 2918 / 69
p0 1147 ± 0.9999
1400
1350
1300
1250
1200
1150
1100
1050

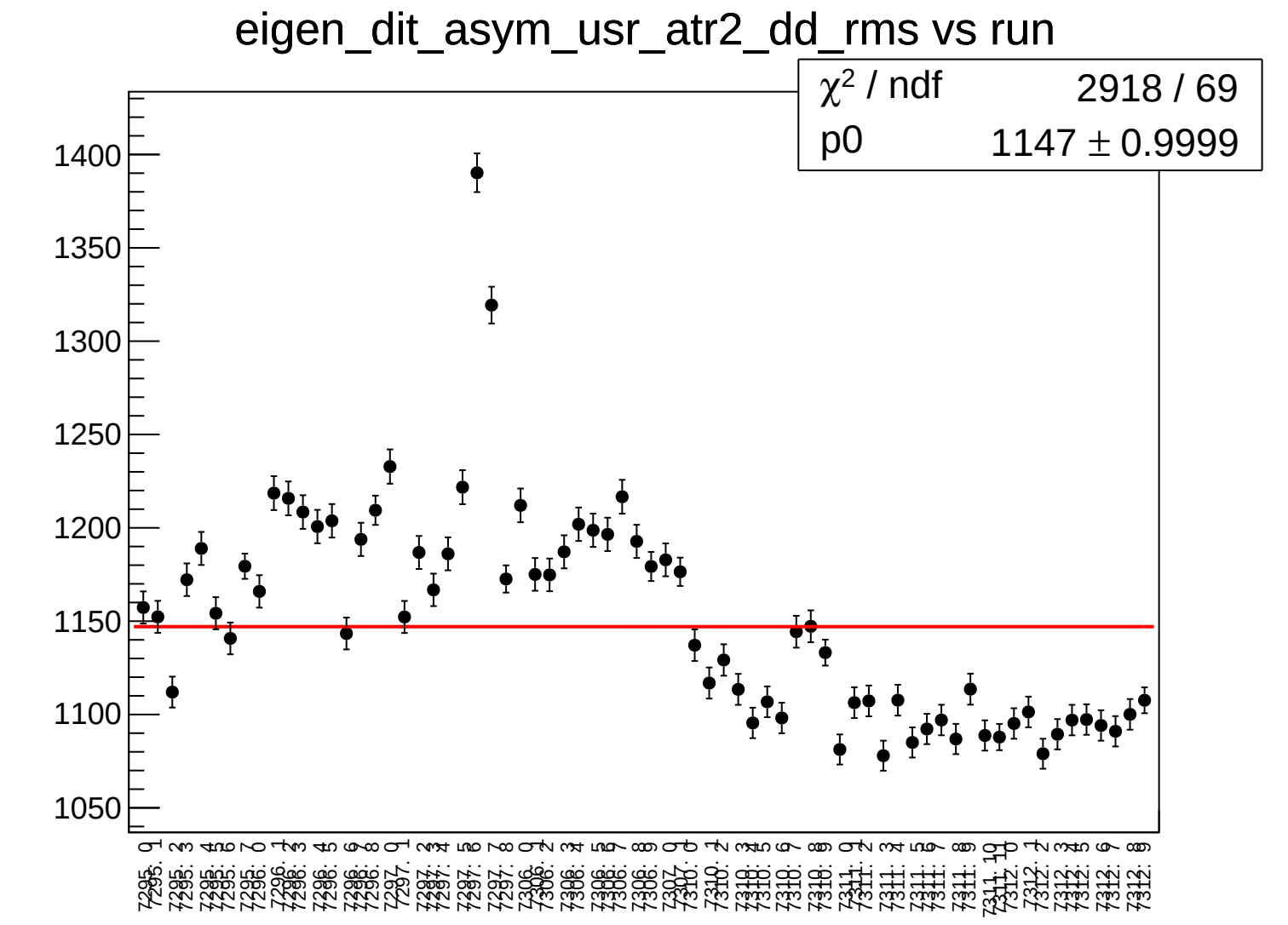

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.63 / 69
p0 963.9 ± 5416
200
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 717.3
Std Dev 0
2
1
0
−1
−2

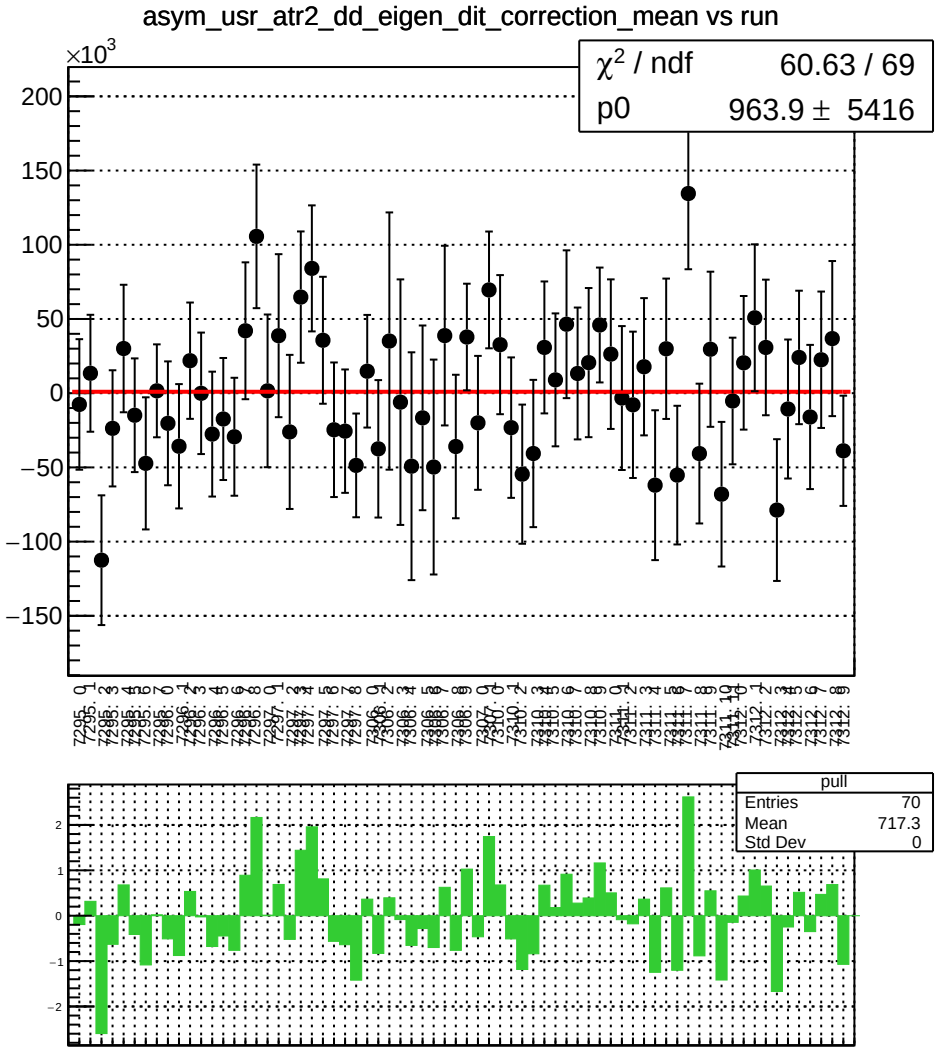

pull1D
Entries 70
Mean 0.002548
Std Dev 0.9307
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

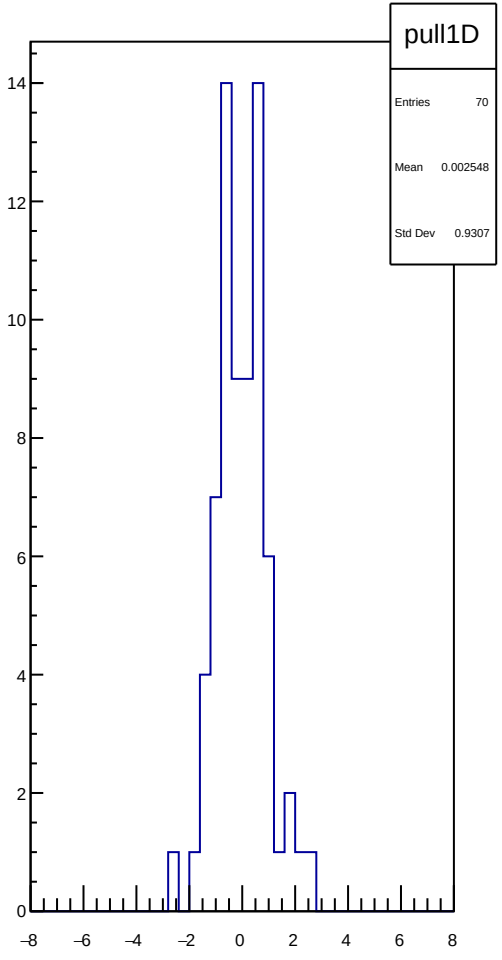

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 2.516e+04 / 69
p0 4356 ± 3.83
8000
7000
6000
5000
4000

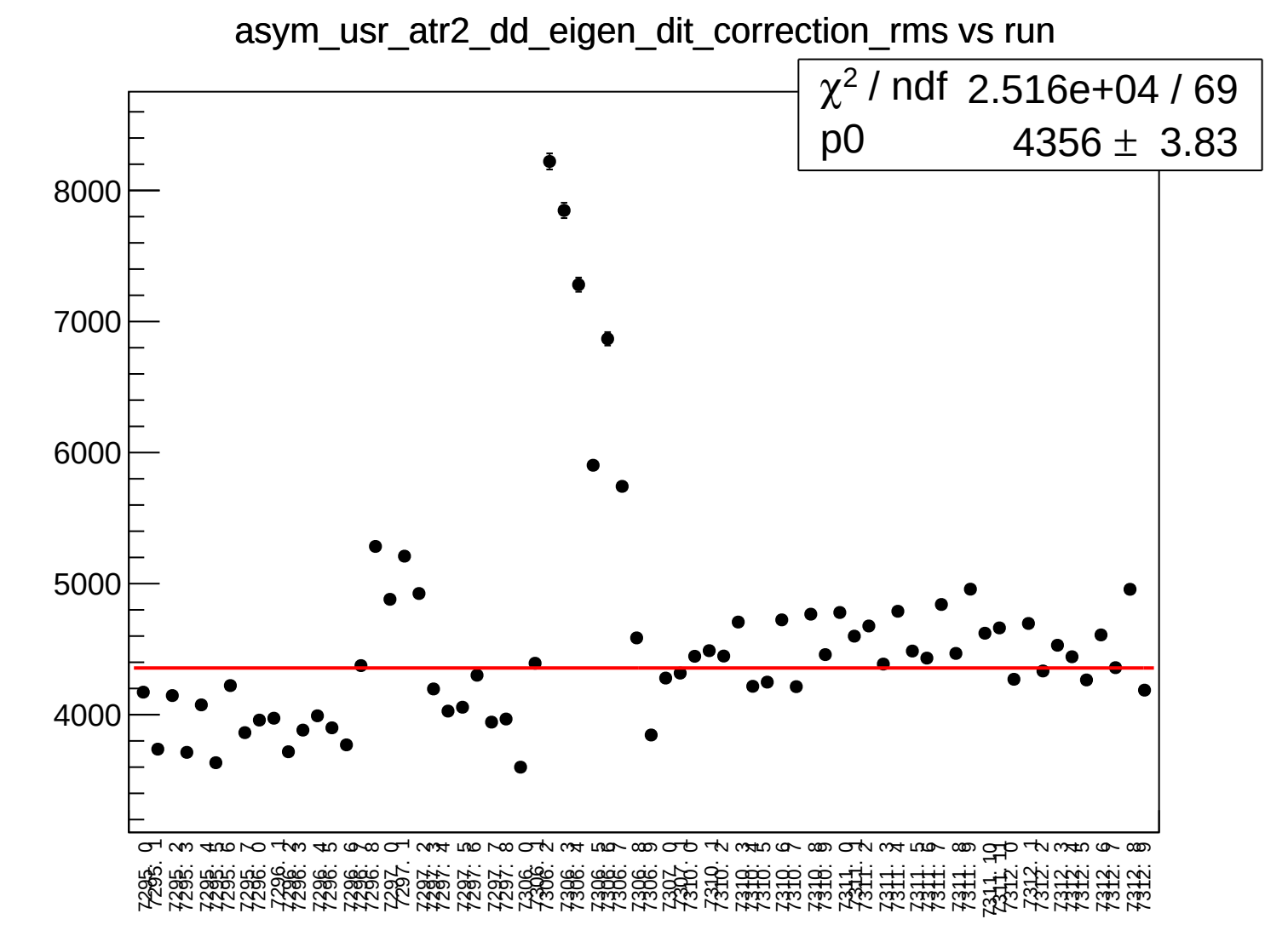

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 65 / 69
p0 −271 ± 1414
pull
Entries 70
Mean −267
Std Dev 0

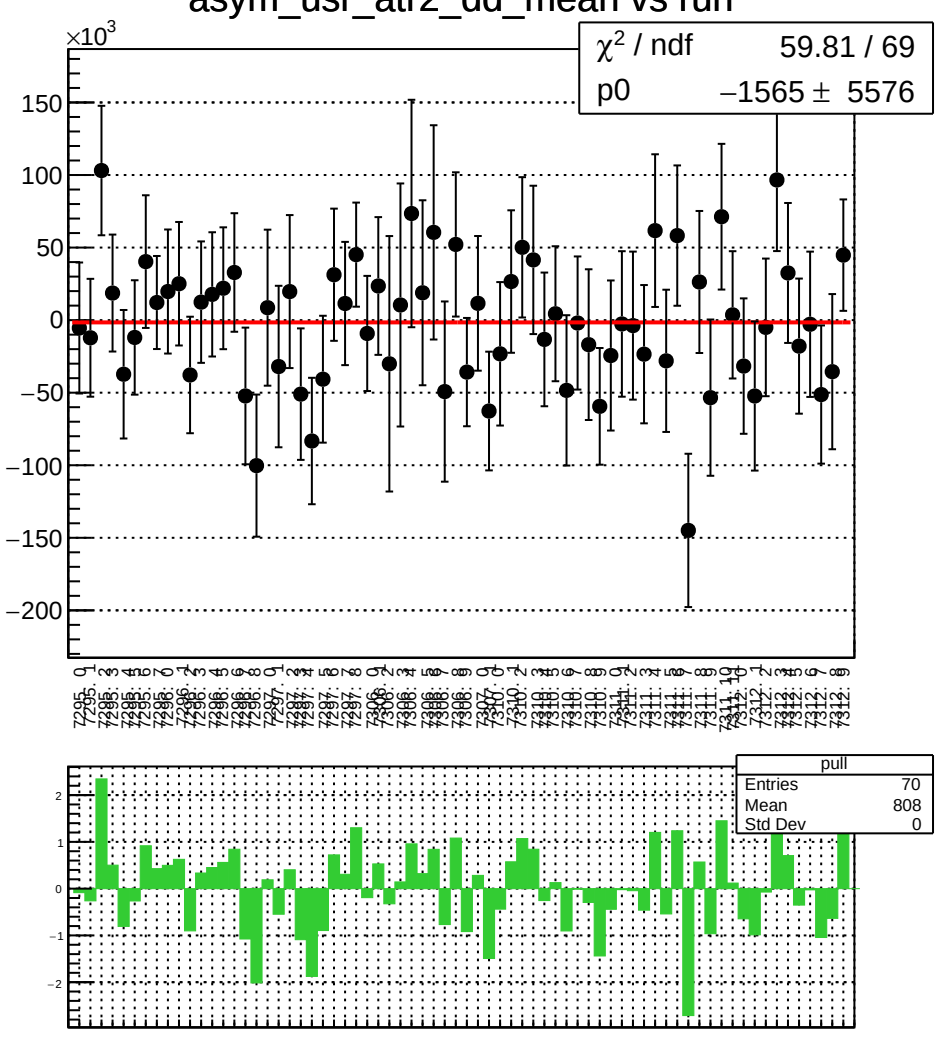

pull1D
Entries 70
Mean −0.004568
Std Dev 0.9636

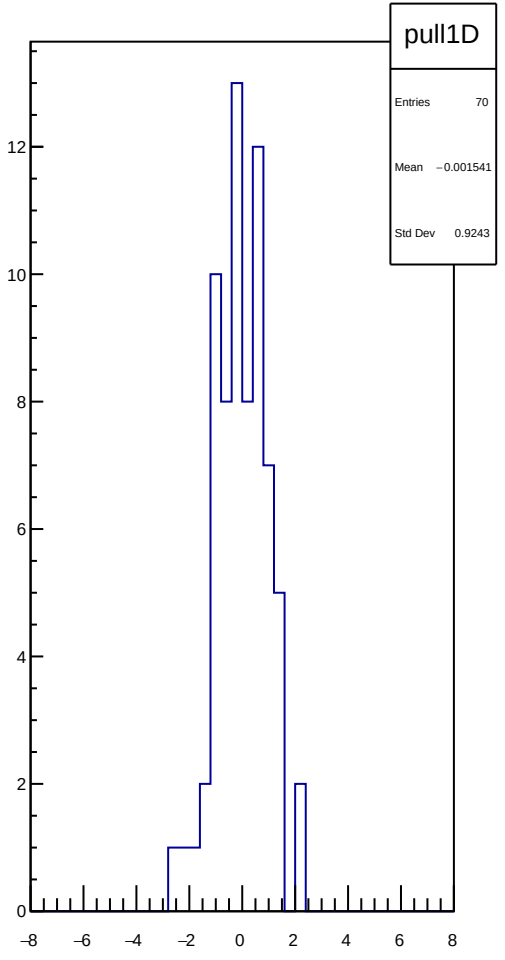

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 2918 / 69
p0 1147 ± 0.9999
1400
1350
1300
1250
1200
1150
1100
1050

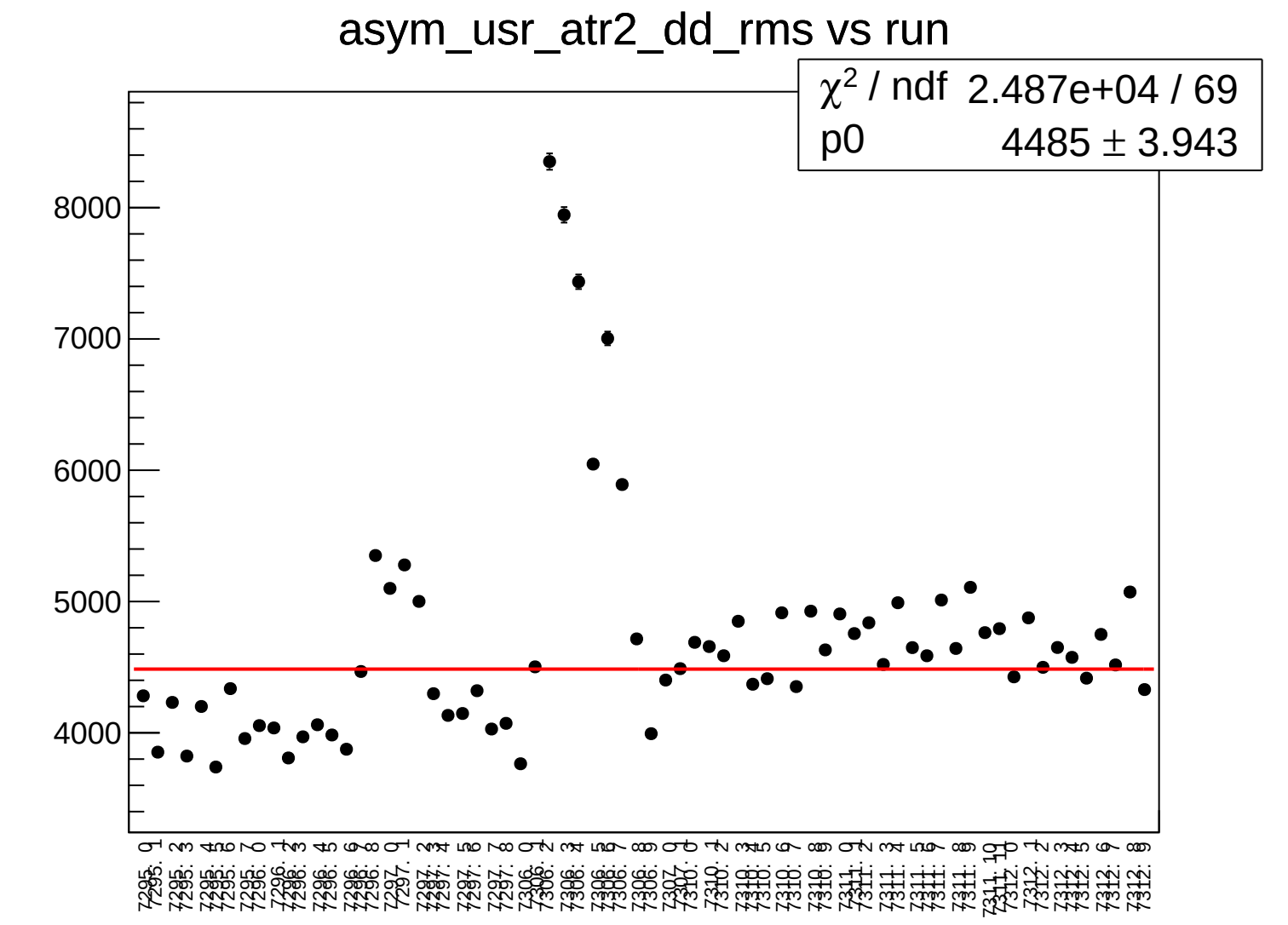

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.63 / 69
p0 963.9 ± 5416
pull
Entries 70
Mean 717.3
Std Dev 0

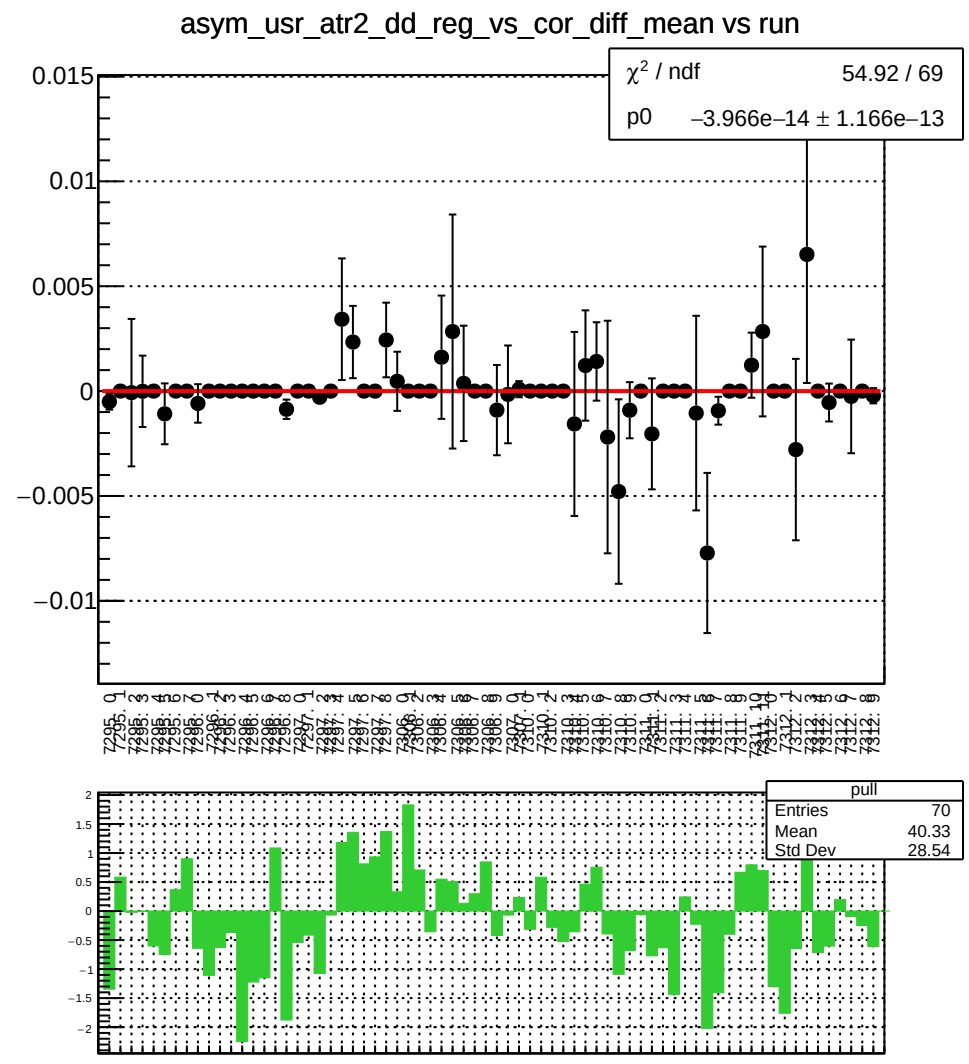

pull1D
Entries 70
Mean 0.002548
Std Dev 0.9307

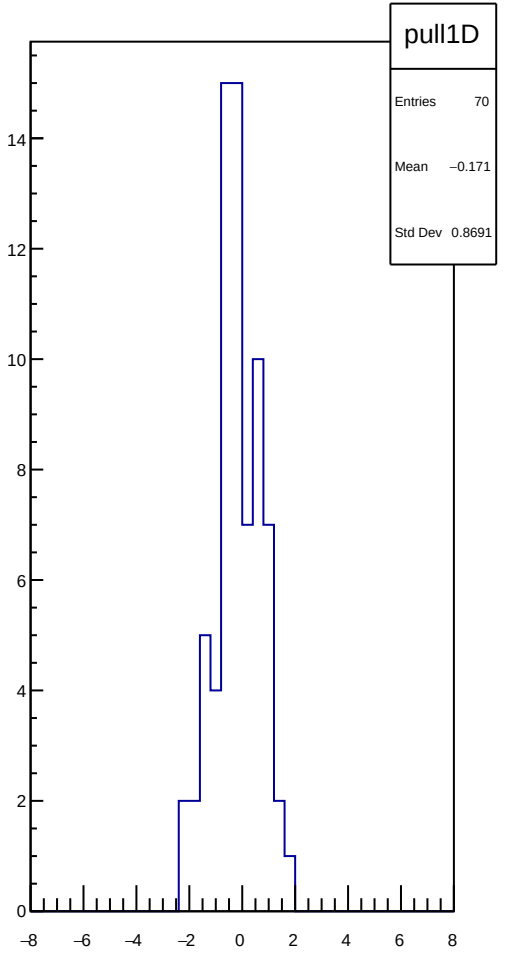

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.516e+04 / 69
p0 4356 ± 3.83
8000
7000
6000
5000
4000

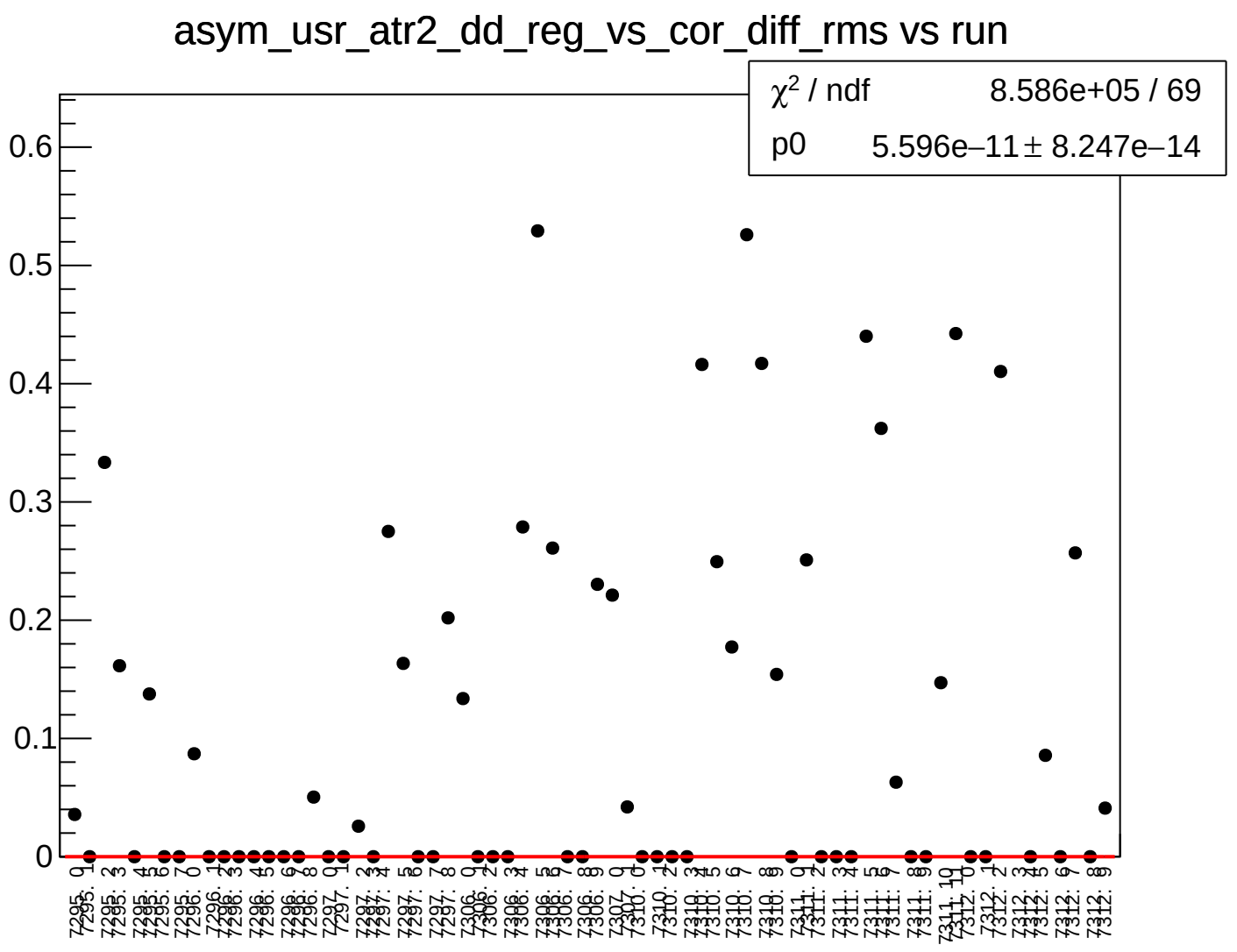

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 59.81 / 69
p0 −1565 ± 5576
150
100
50
0
−50
−100
−150
−200
pull
Entries 70
Mean 808
Std Dev 0
2
1
0
−1

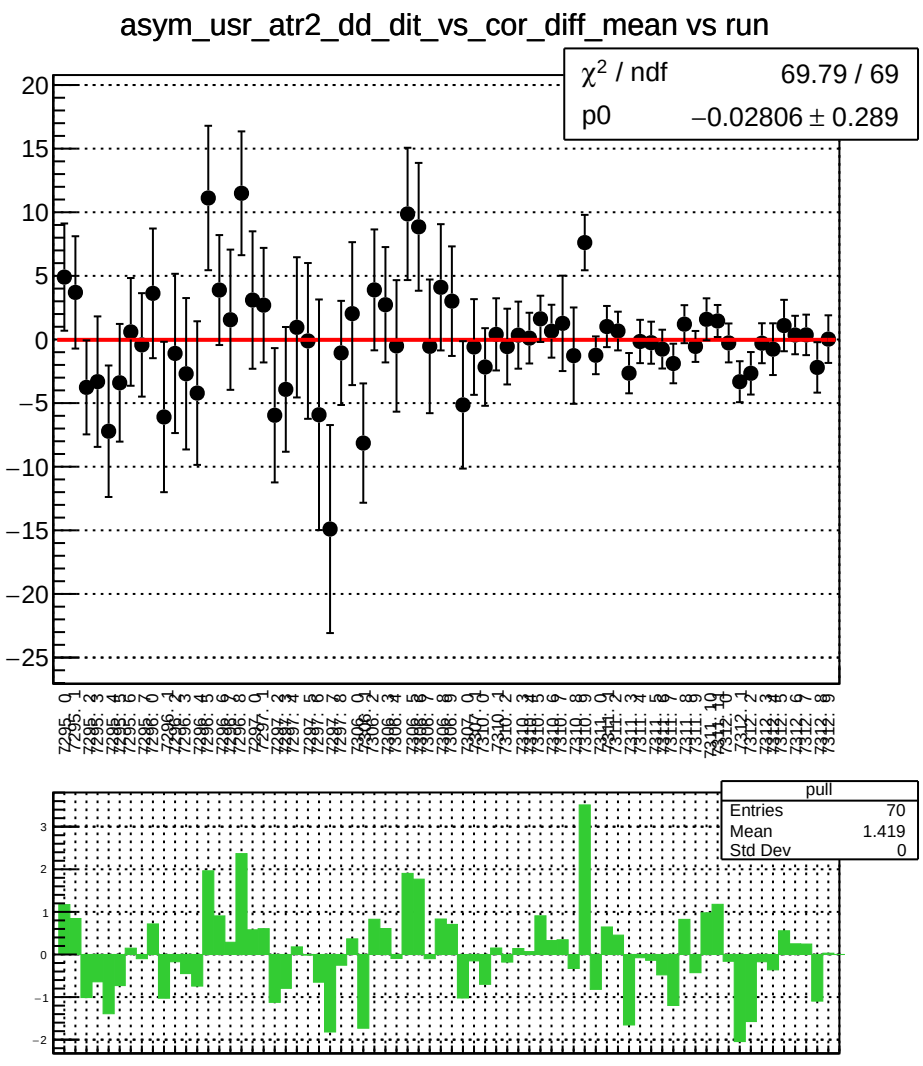

pull1D
Entries 70
Mean −0.001541
Std Dev 0.9243
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

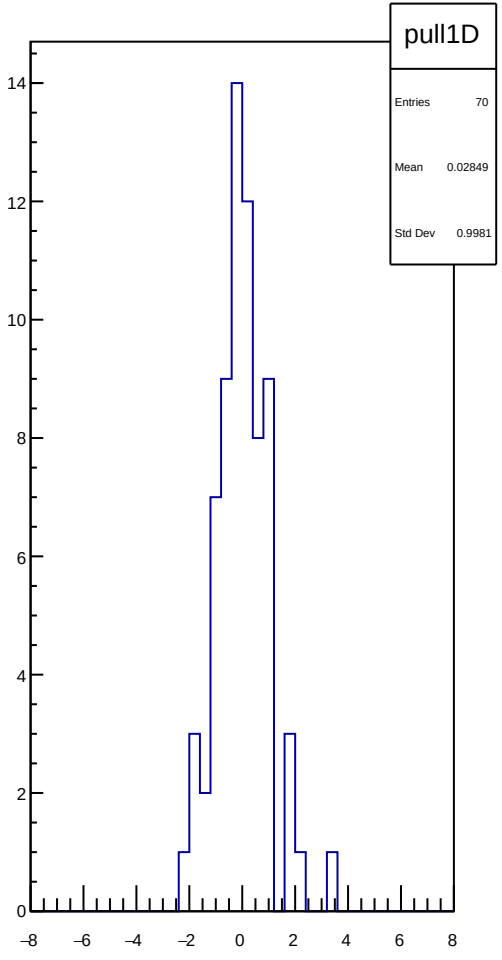

asym_usr_atr2_dd_rms vs run
χ² / ndf 2.487e+04 / 69
p0 4485 ± 3.943
8000
7000
6000
5000
4000

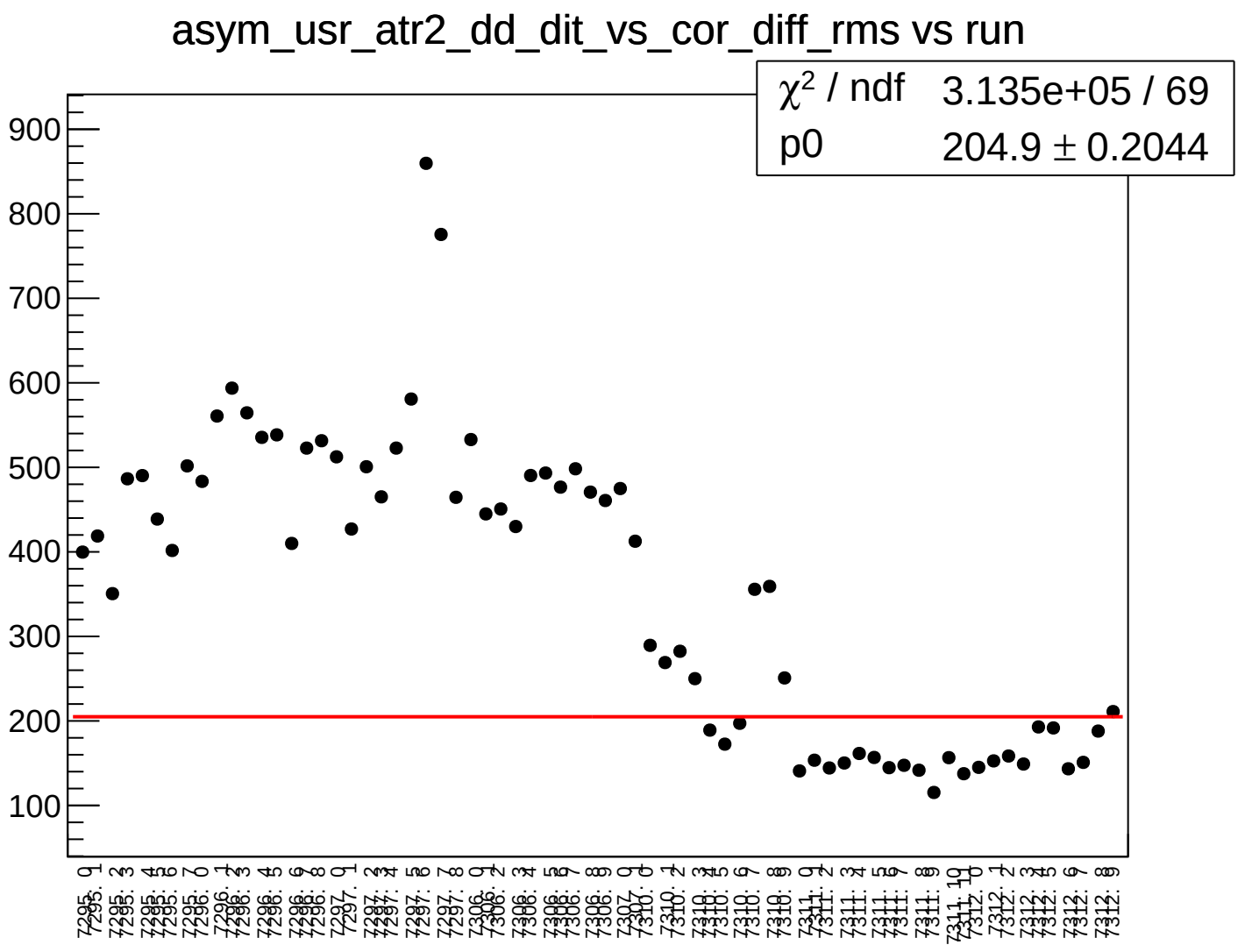

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.92 / 69
p0 −3.966e−14 ± 1.166e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 70
Mean 40.33
Std Dev 28.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

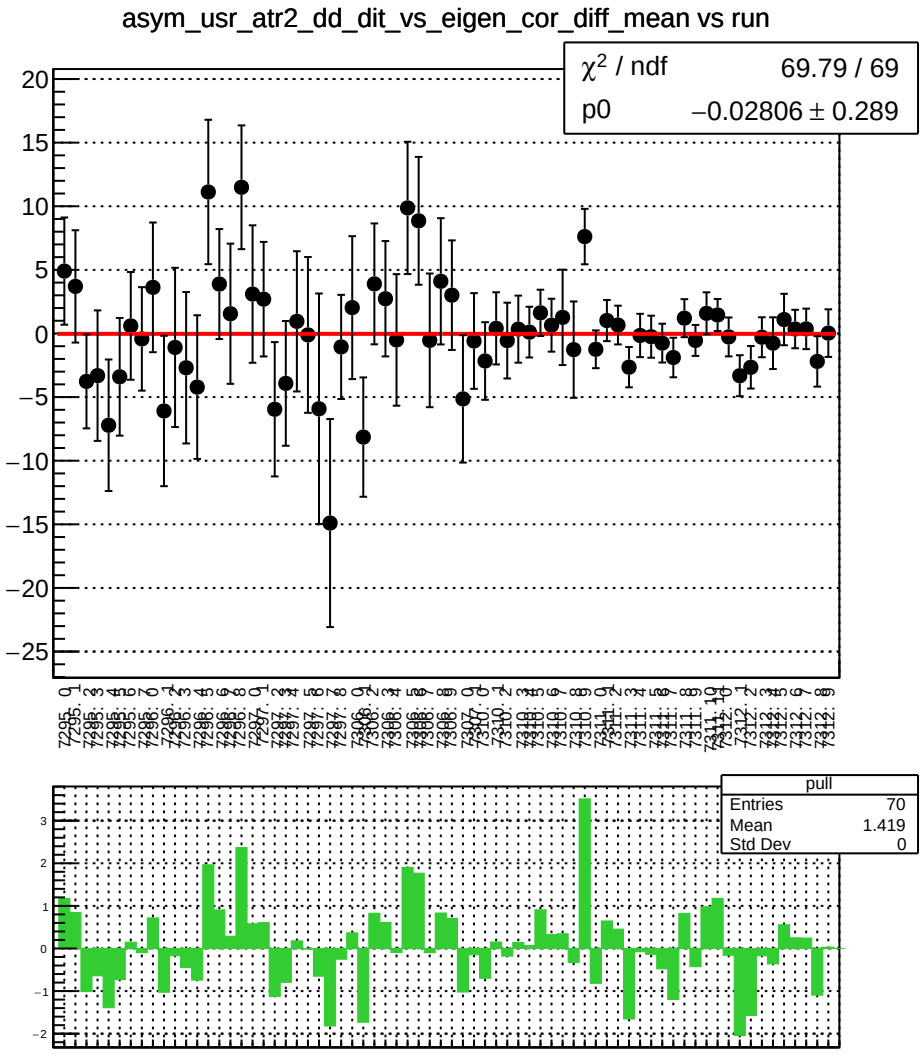

pull1D
Entries 70
Mean −0.171
Std Dev 0.8691
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

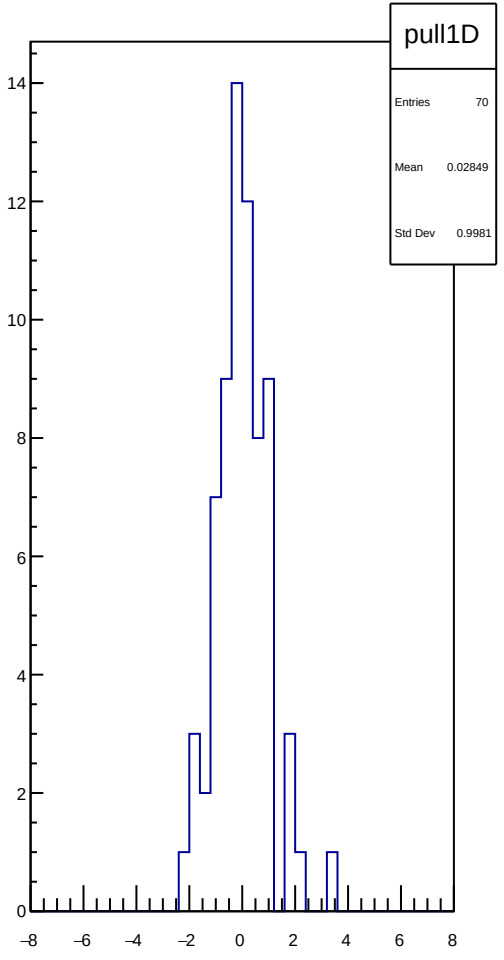

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.586e+05 / 69
p0 5.596e−11 ± 8.247e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

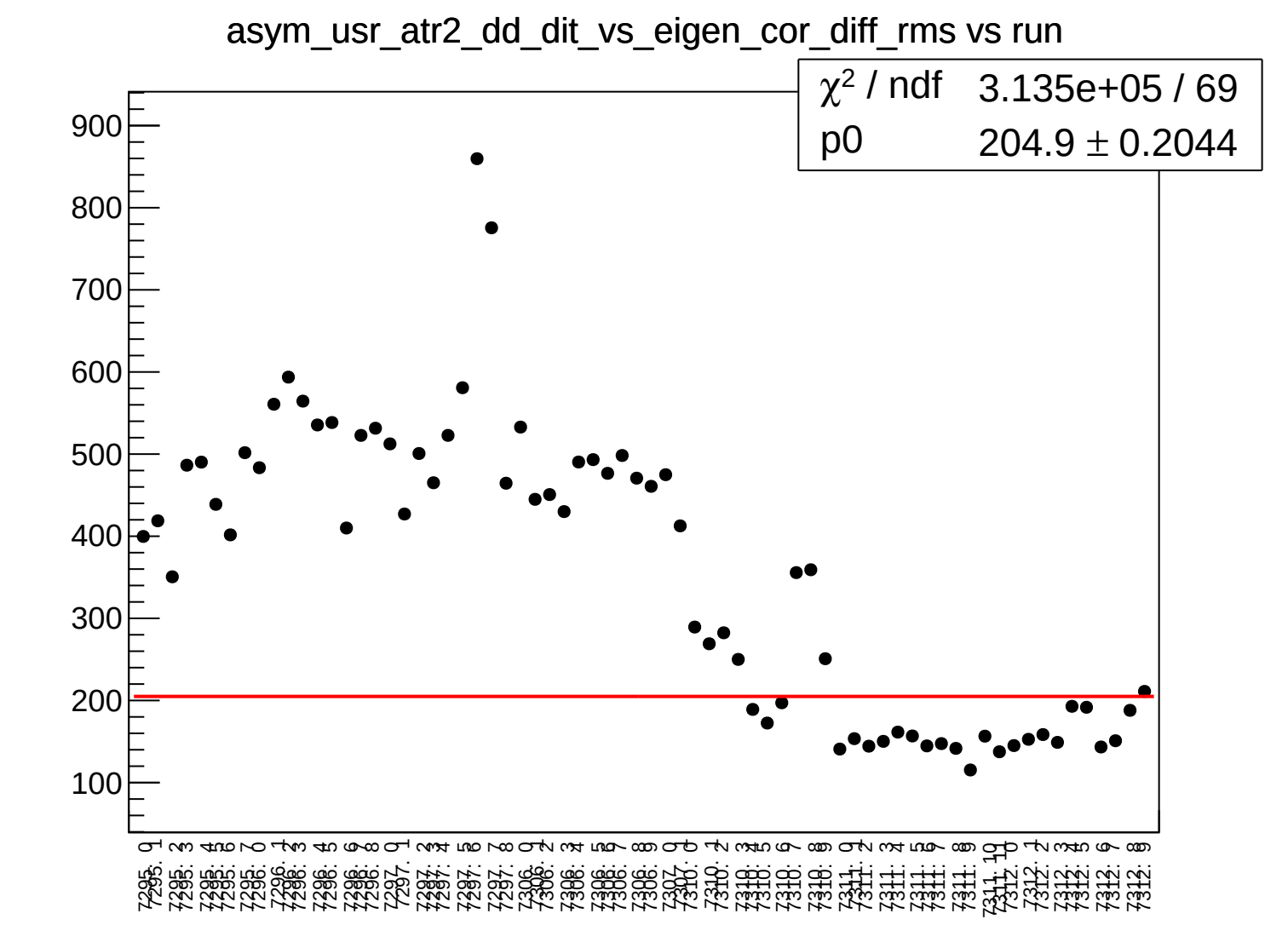

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.79 / 69
p0 −0.02806 ± 0.289
pull
Entries 70
Mean 1.419
Std Dev 0

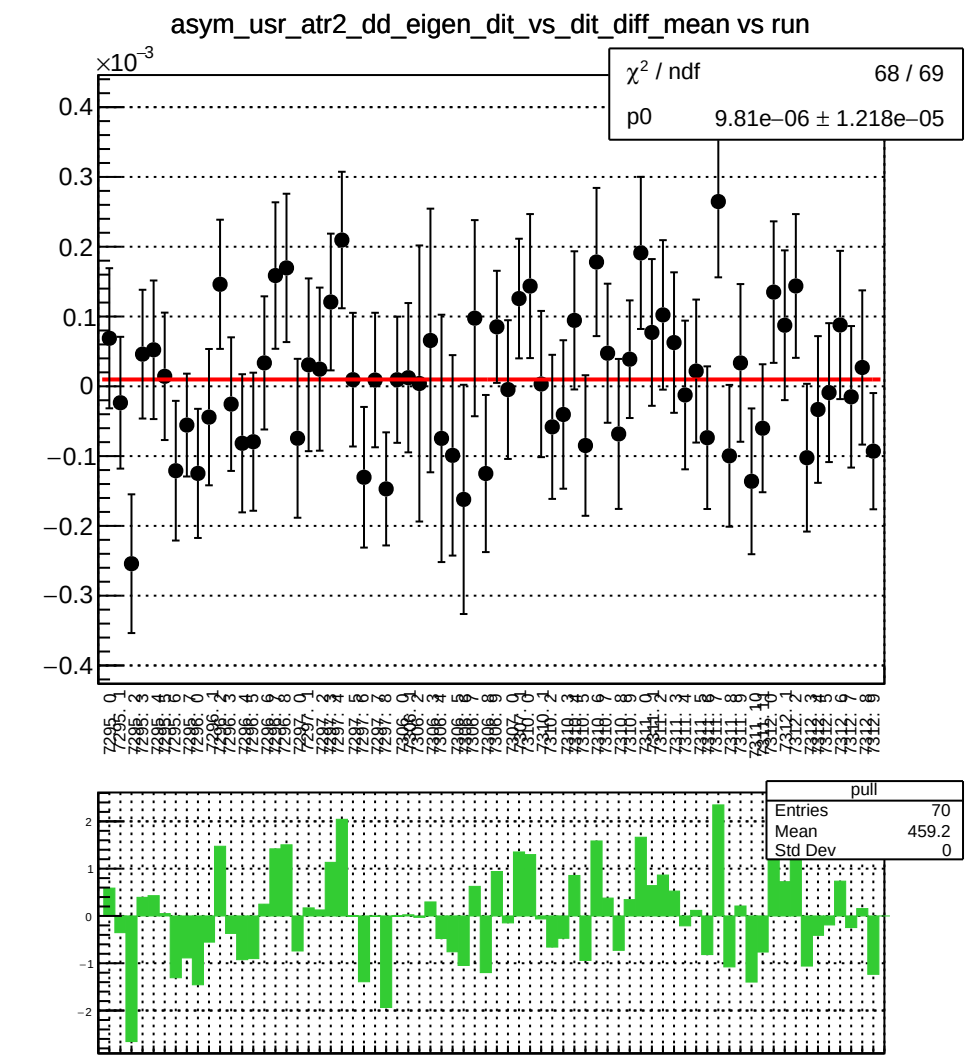

pull1D
Entries 70
Mean 0.02849
Std Dev 0.9981

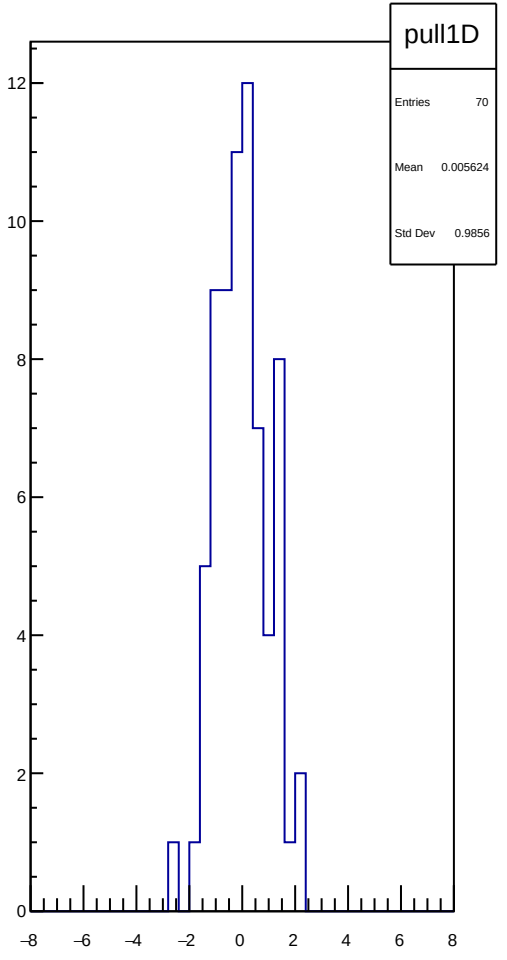

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.135e+05 / 69
p0 204.9 ± 0.2044
900
800
700
600
500
400
300
200
100

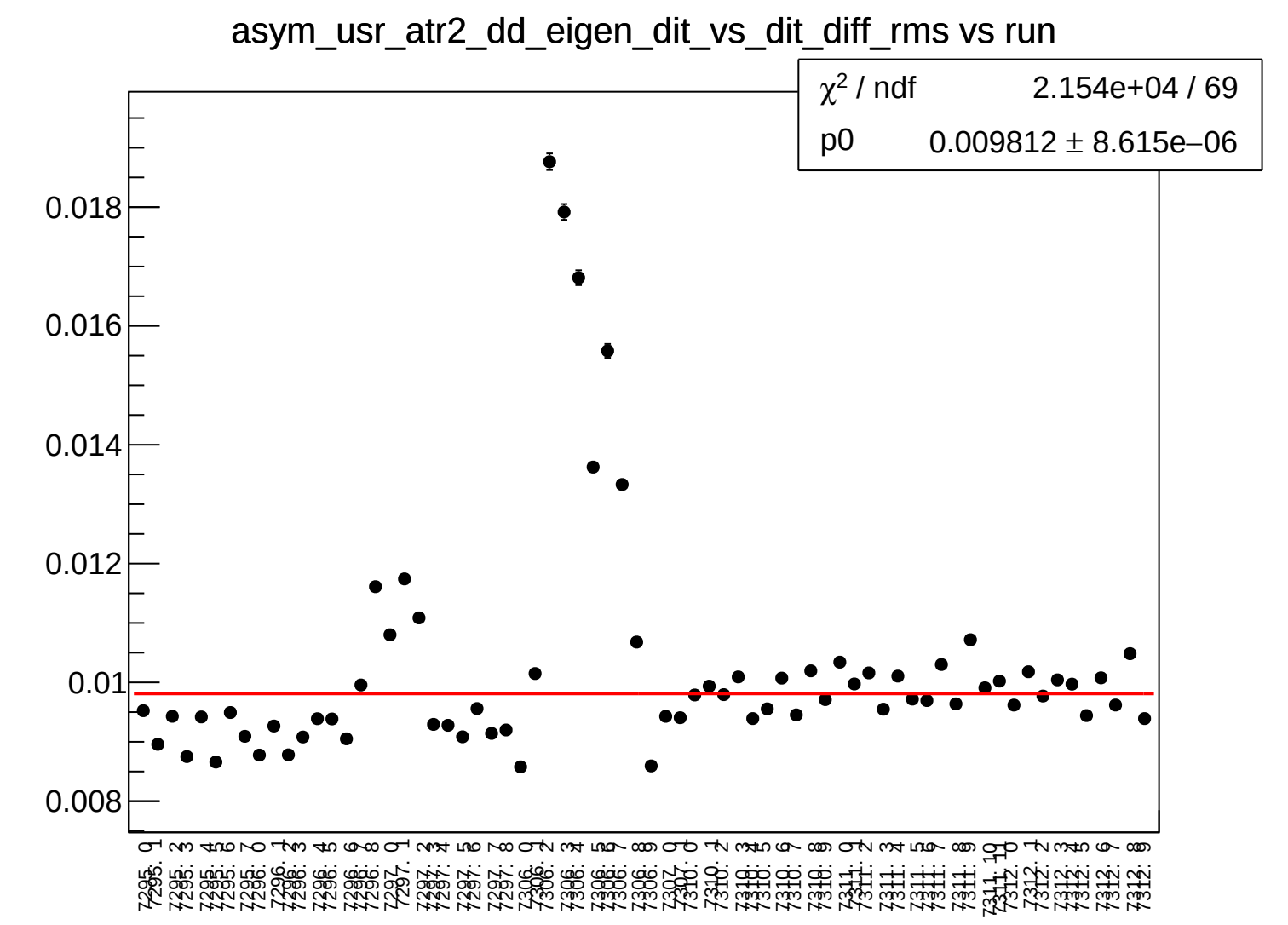

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.79 / 69
p0 −0.02806 ± 0.289
pull
Entries 70
Mean 1.419
Std Dev 0

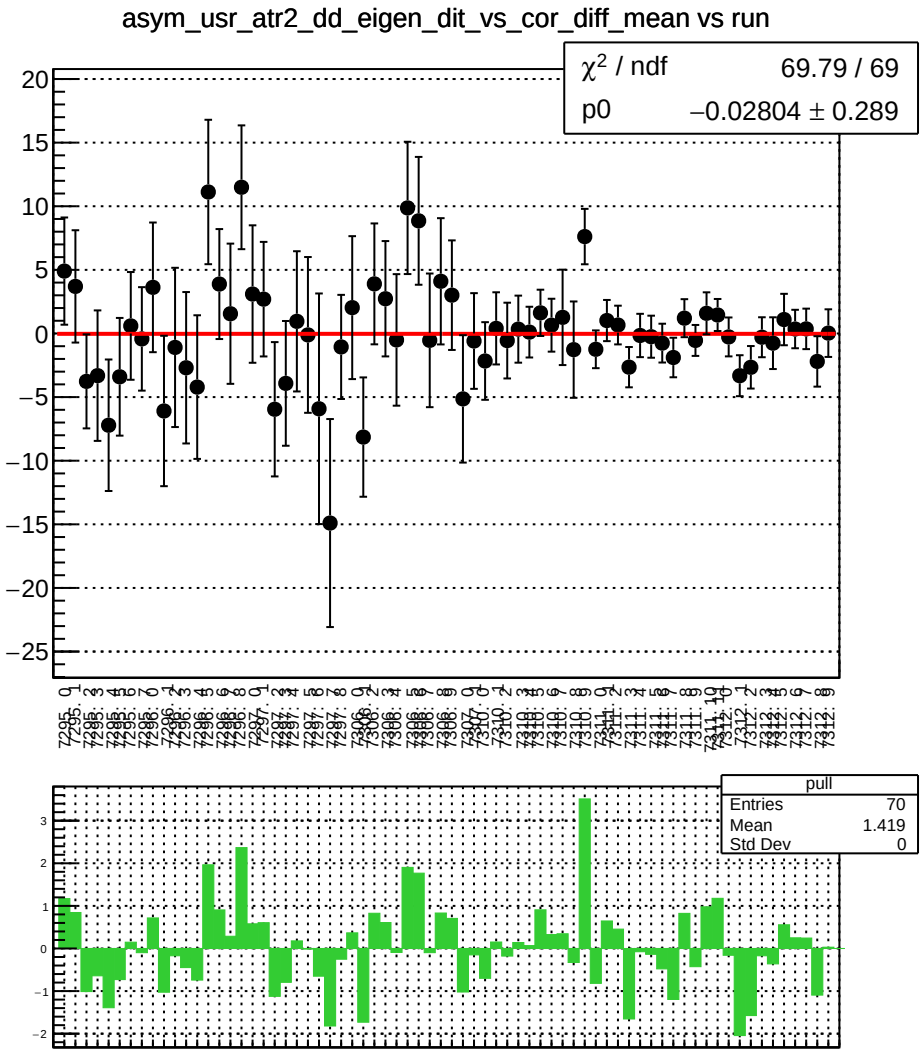

pull1D
Entries 70
Mean 0.02849
Std Dev 0.9981

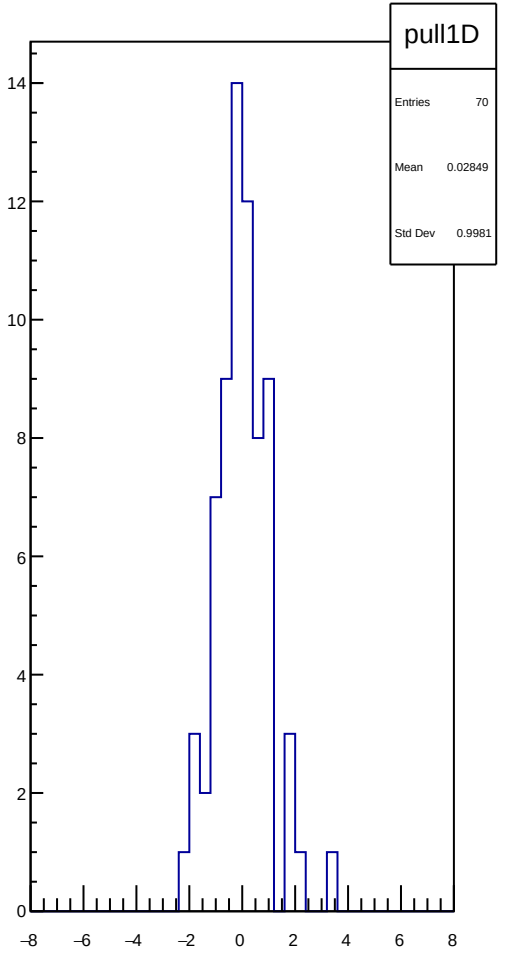

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.135e+05 / 69
p0 204.9 ± 0.2044
900
800
700
600
500
400
300
200
100

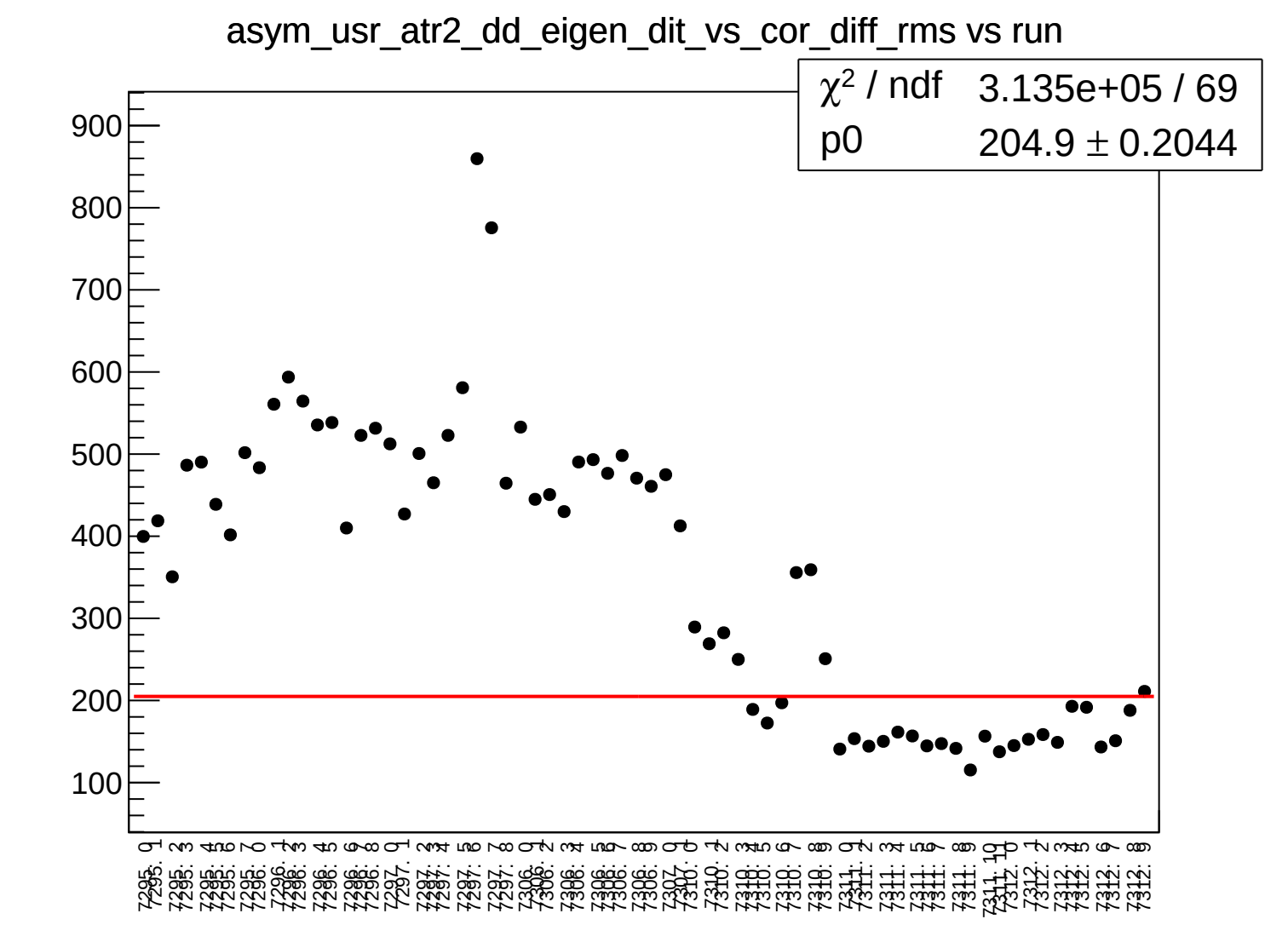

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68 / 69
p0 9.81e−06 ± 1.218e−05
pull
Entries 70
Mean 459.2
Std Dev 0

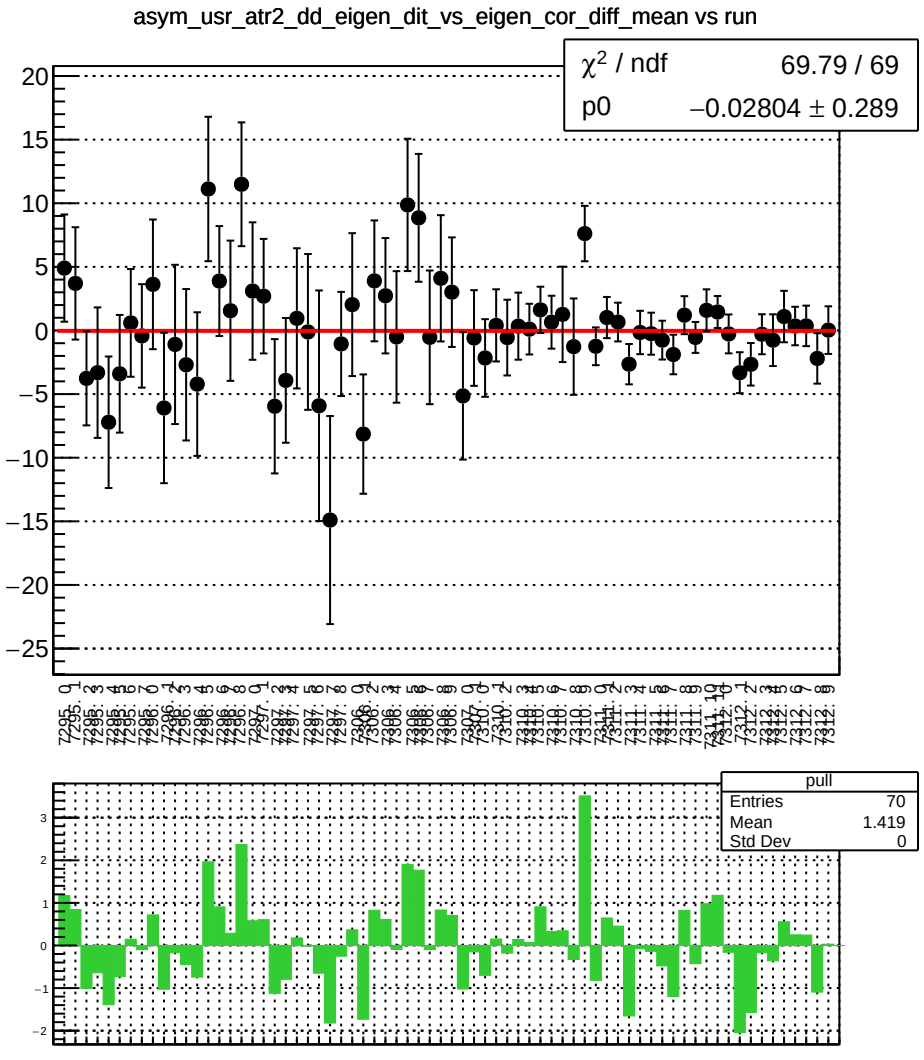

pull1D
Entries 70
Mean 0.005624
Std Dev 0.9856

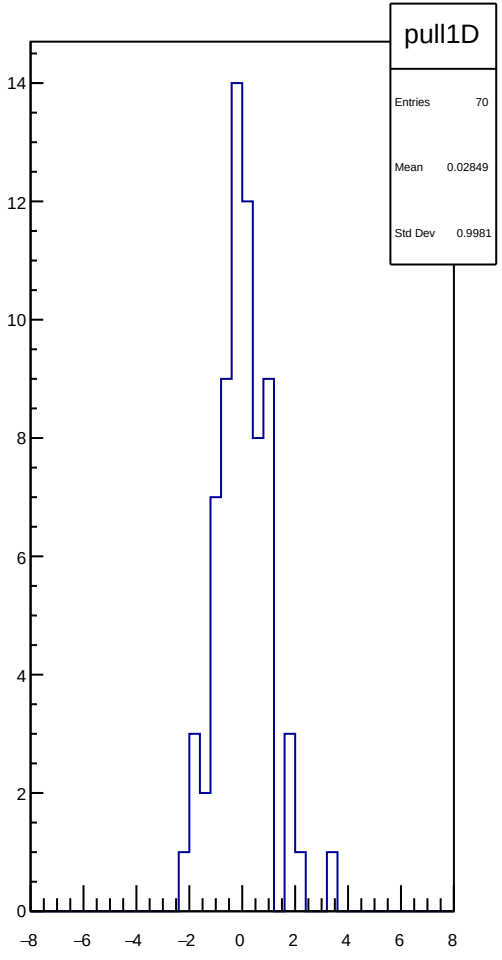

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.154e+04 / 69
p0 0.009812 ± 8.615e−06
0.018
0.016
0.014
0.012
0.01
0.008

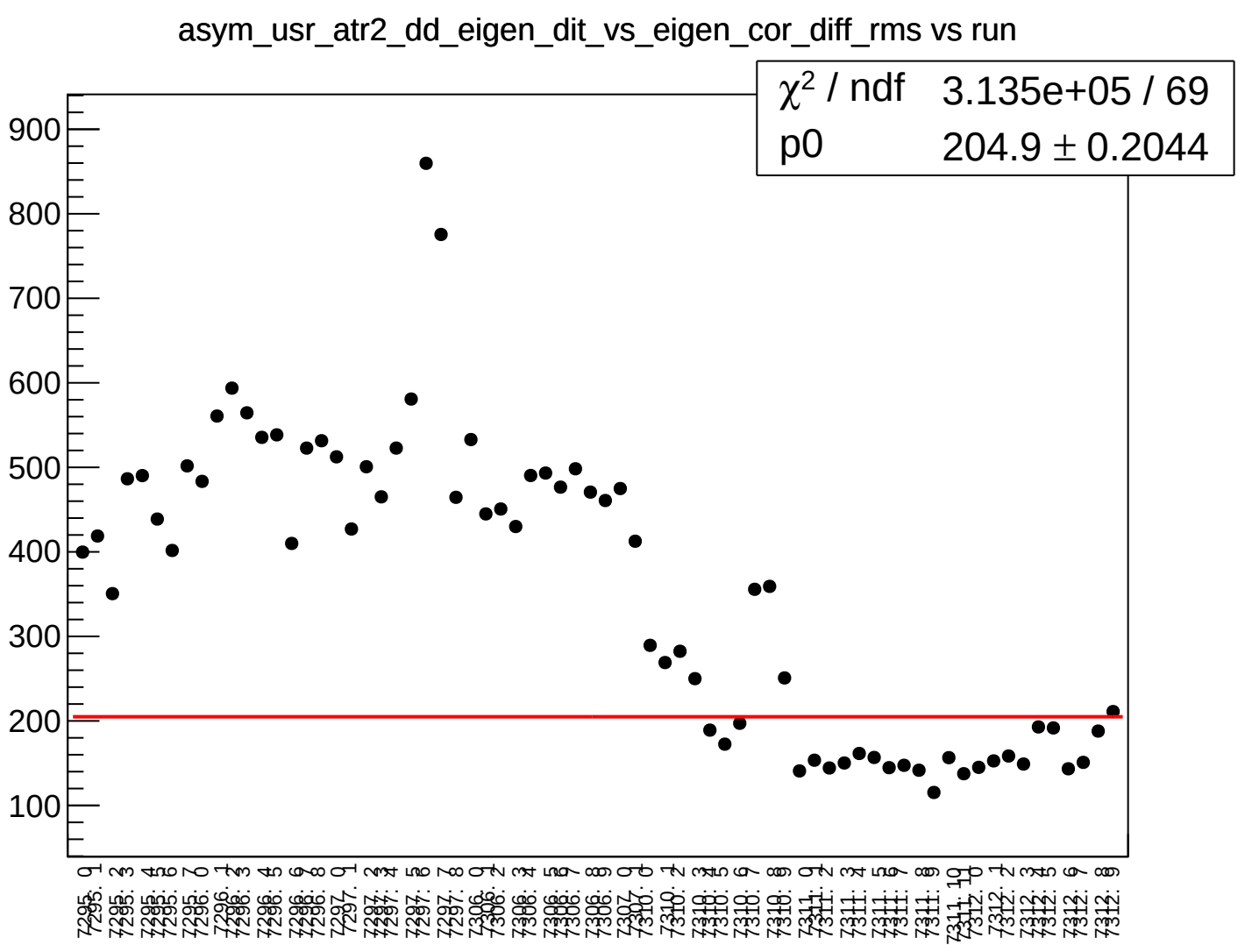

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.79 / 69
p0 −0.02804 ± 0.289
pull
Entries 70
Mean 1.419
Std Dev 0

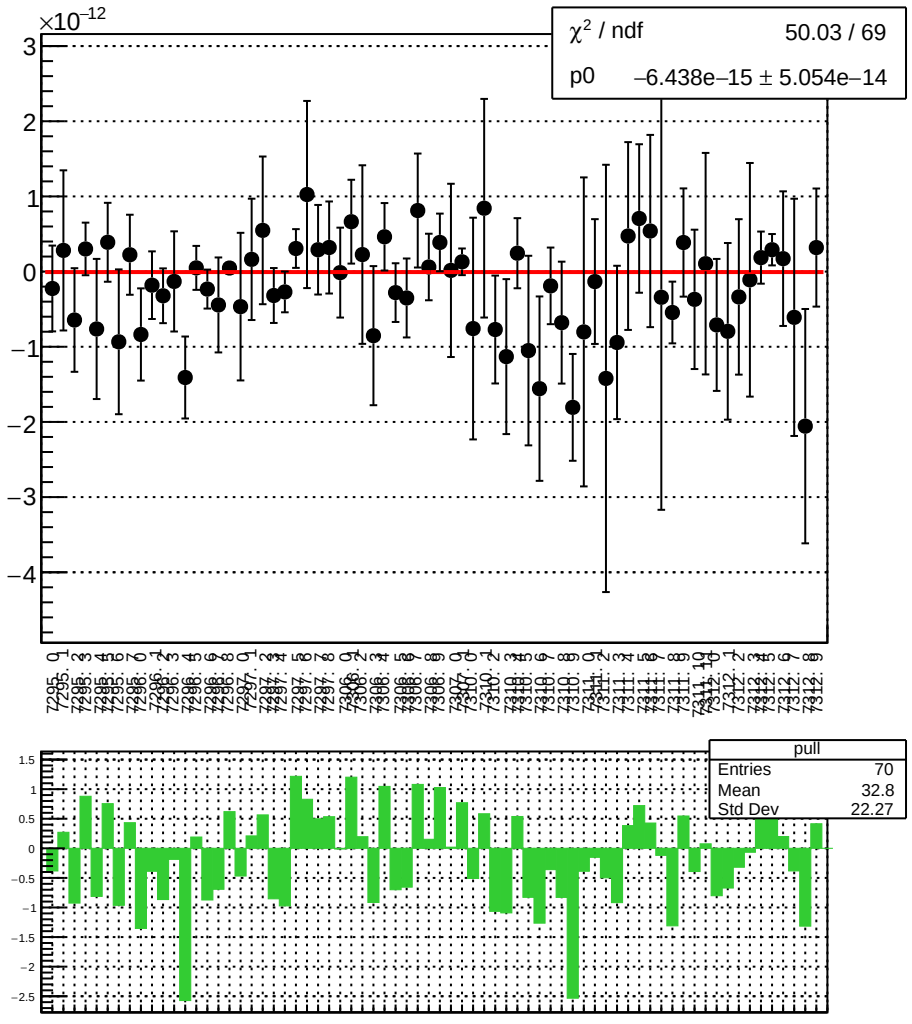

pull1D
Entries 70
Mean 0.02849
Std Dev 0.9981

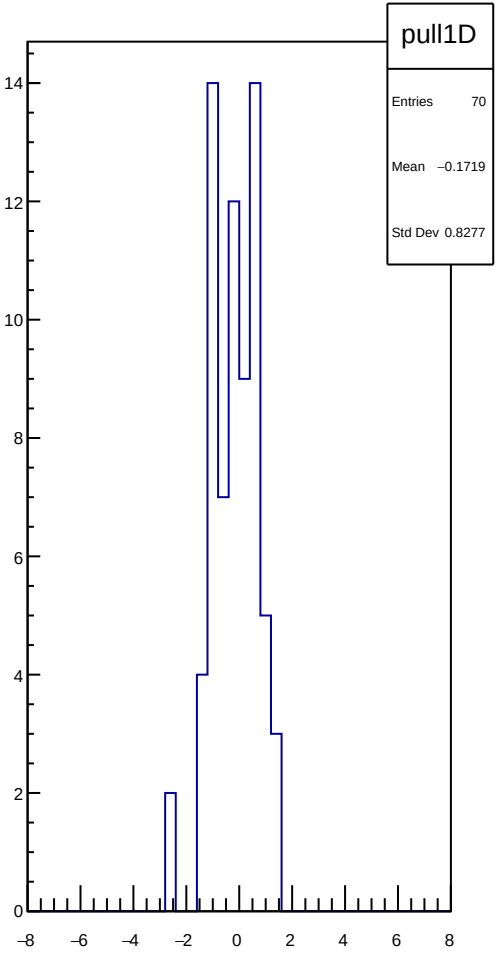

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.135e+05 / 69
p0 204.9 ± 0.2044
900
800
700
600
500
400
300
200
100

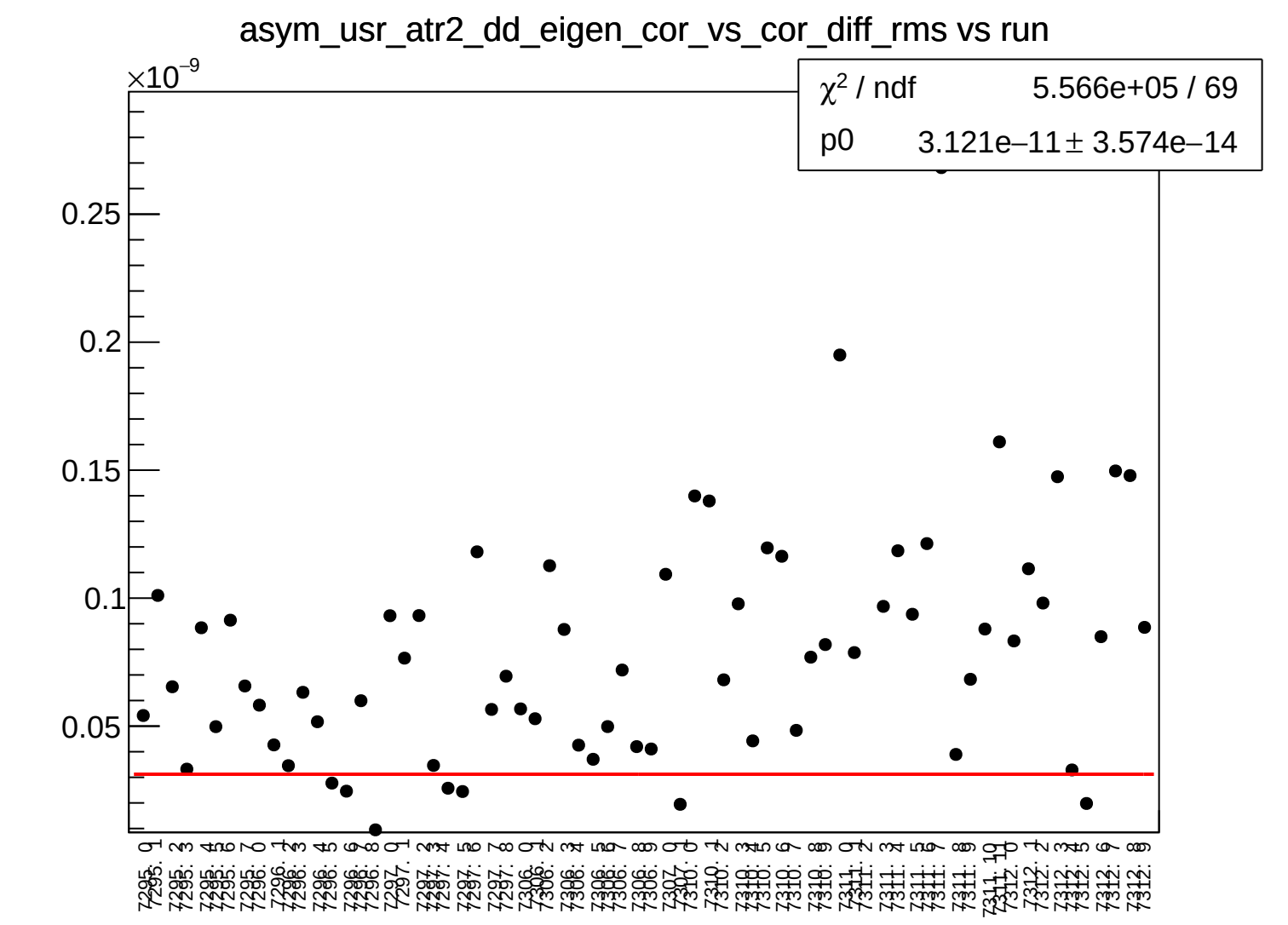

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.79 / 69
p0 −0.02804 ± 0.289
pull
Entries 70
Mean 1.419
Std Dev 0

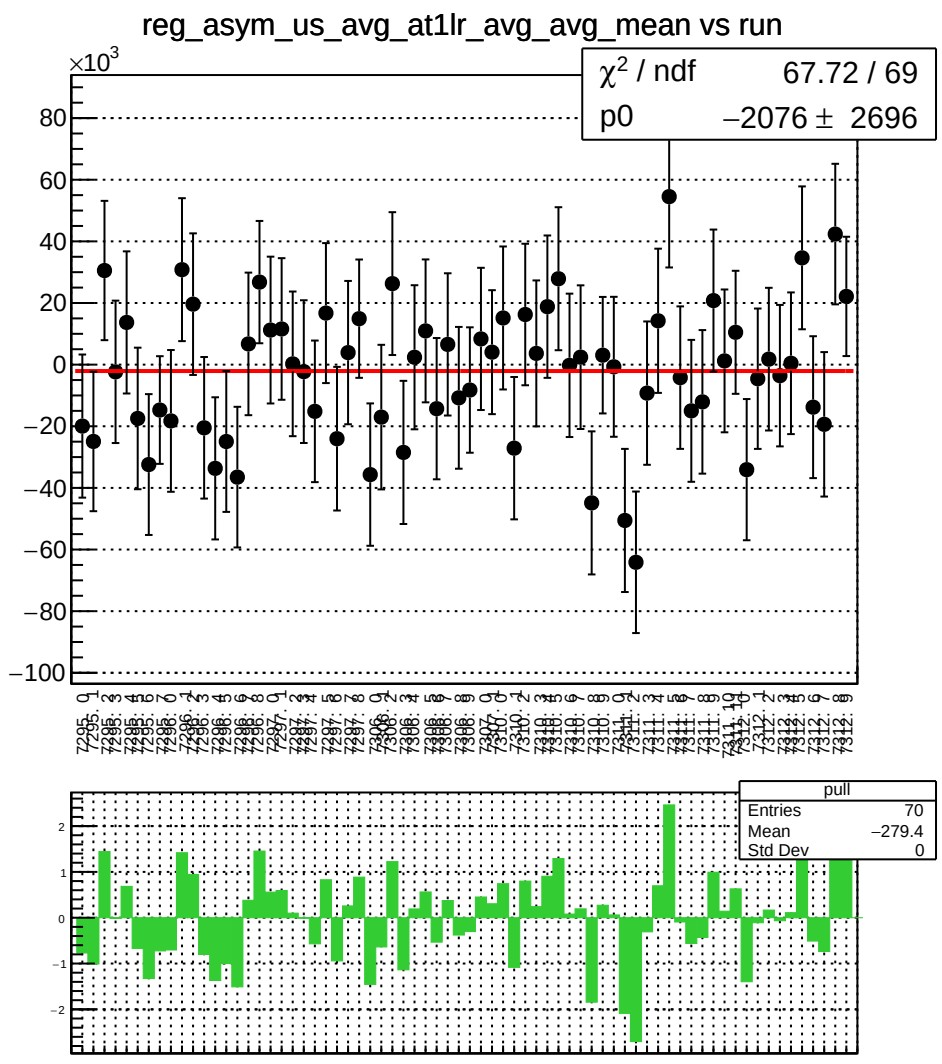

pull1D
Entries 70
Mean 0.02849
Std Dev 0.9981

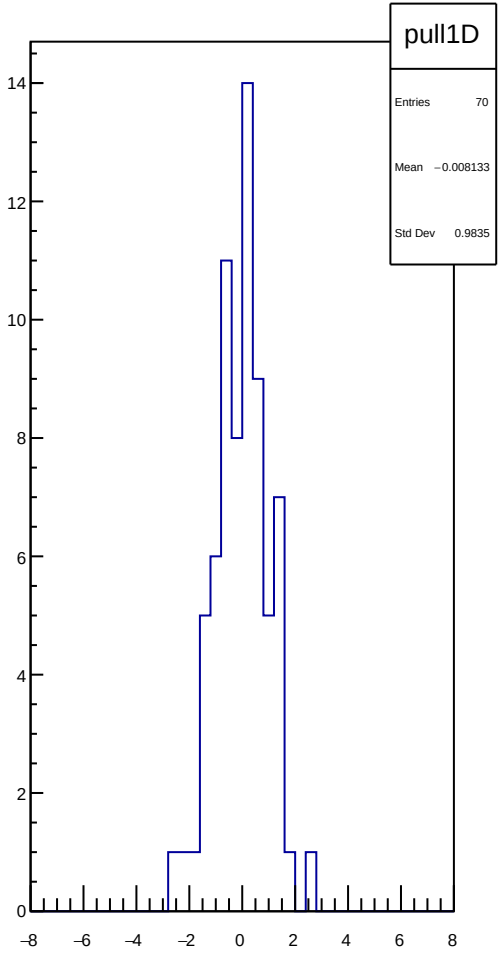

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.135e+05 / 69
p0 204.9 ± 0.2044
900
800
700
600
500
400
300
200
100

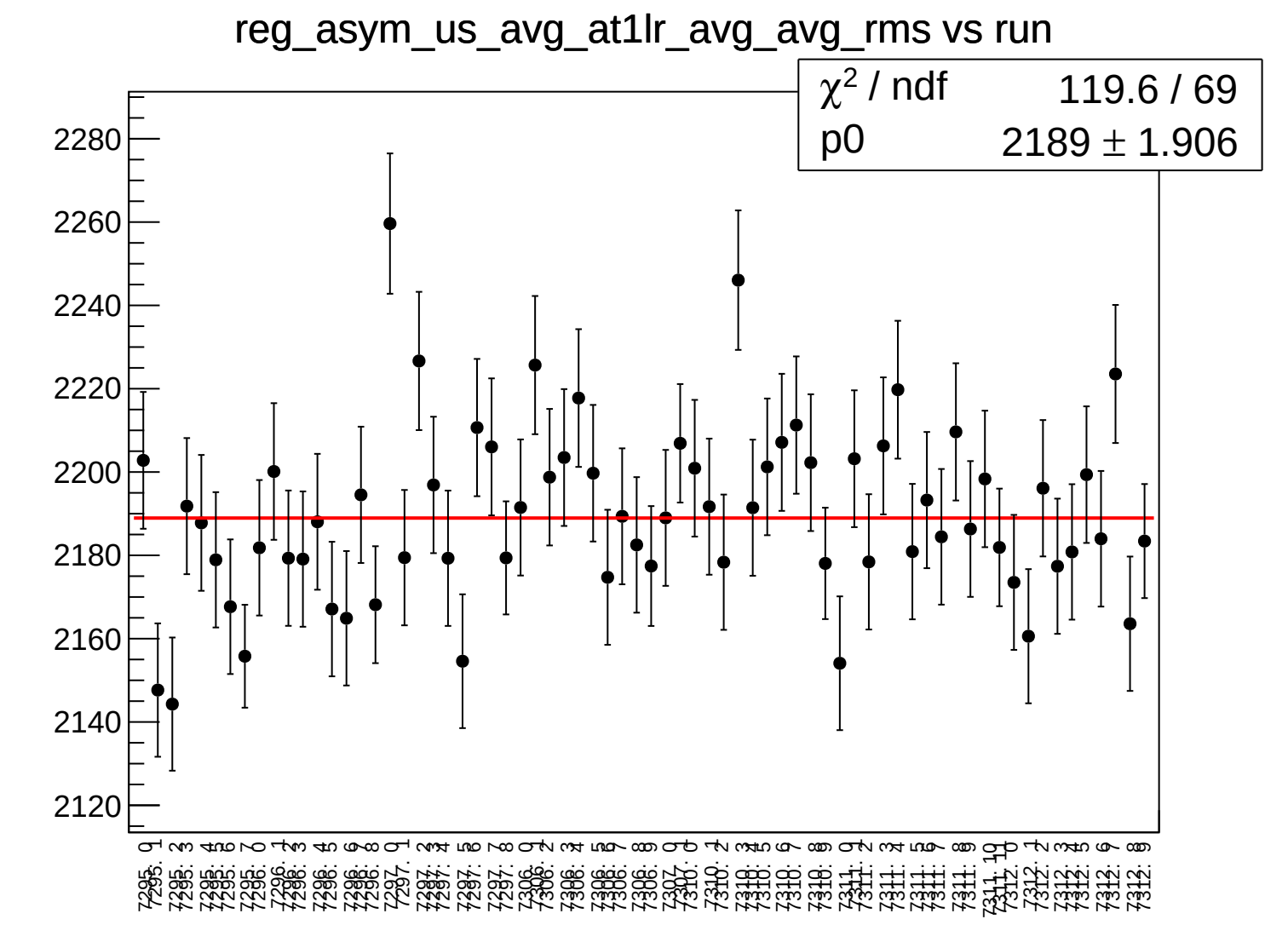

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 50.03 / 69
p0 −6.438e−15 ± 5.054e−14
pull
Entries 70
Mean 32.8
Std Dev 22.27

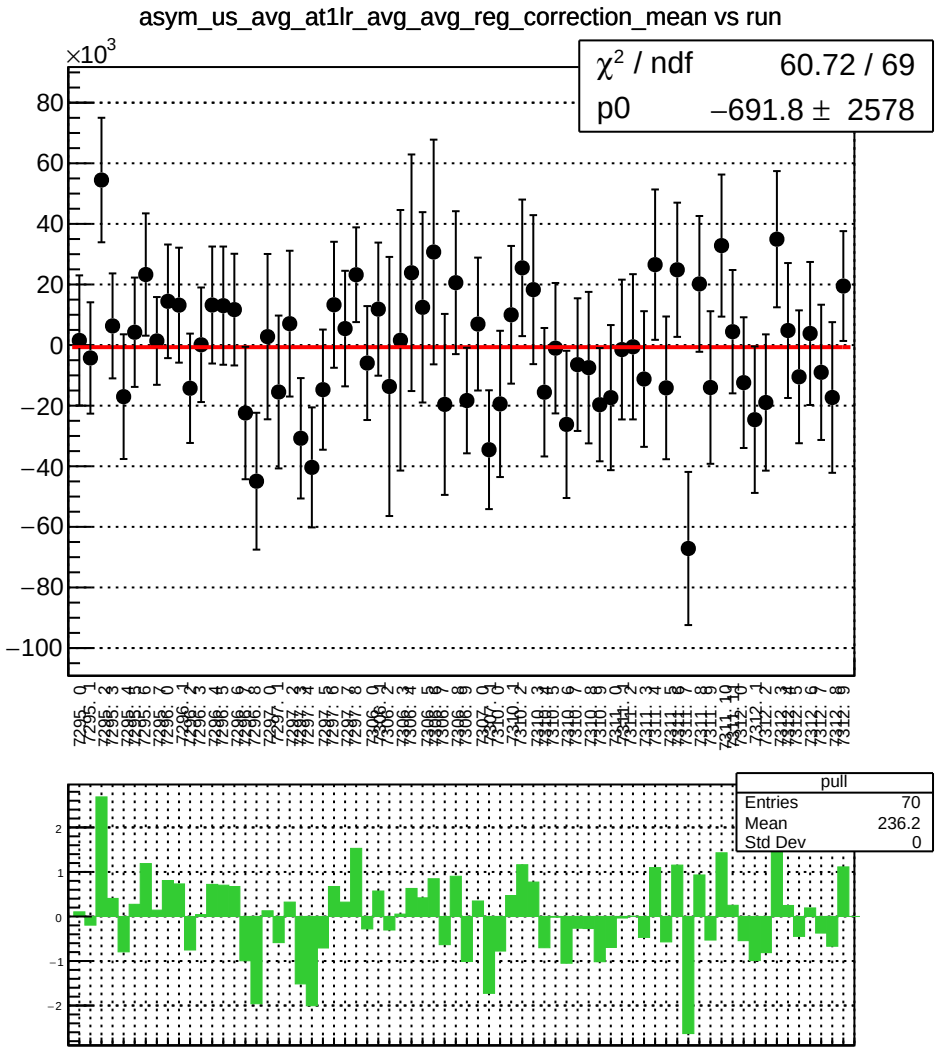

pull1D
Entries 70
Mean −0.1719
Std Dev 0.8277

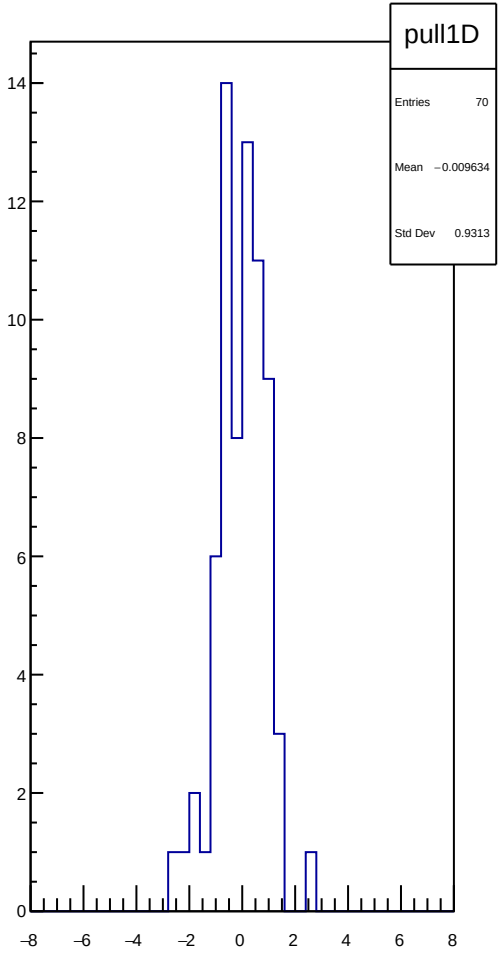

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.566e+05 / 69
p0 3.121e−11 ± 3.574e−14
0.25
0.2
0.15
0.1
0.05

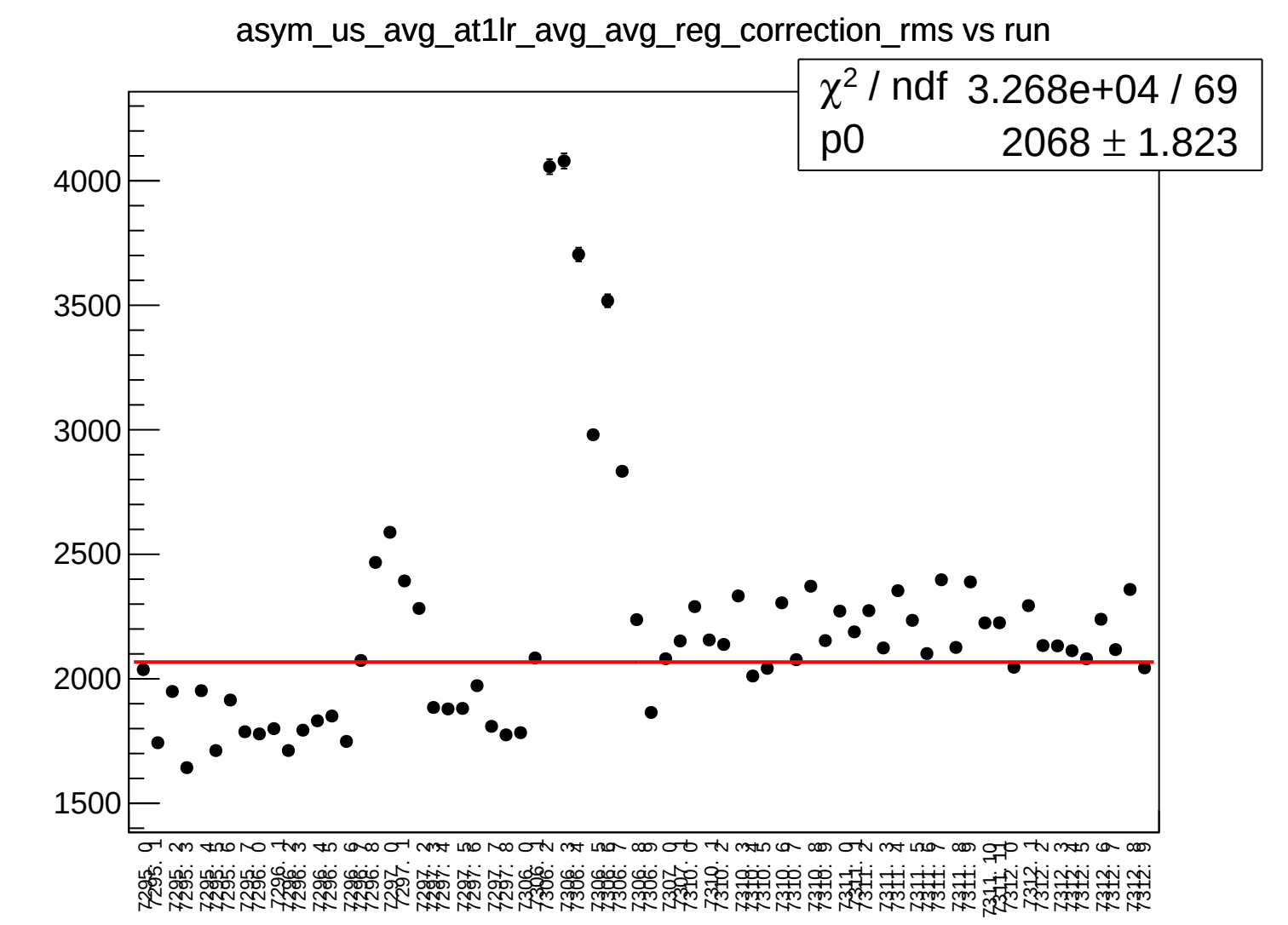

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 67.72 / 69
p0 −2076 ± 2696
pull
Entries 70
Mean −279.4
Std Dev 0

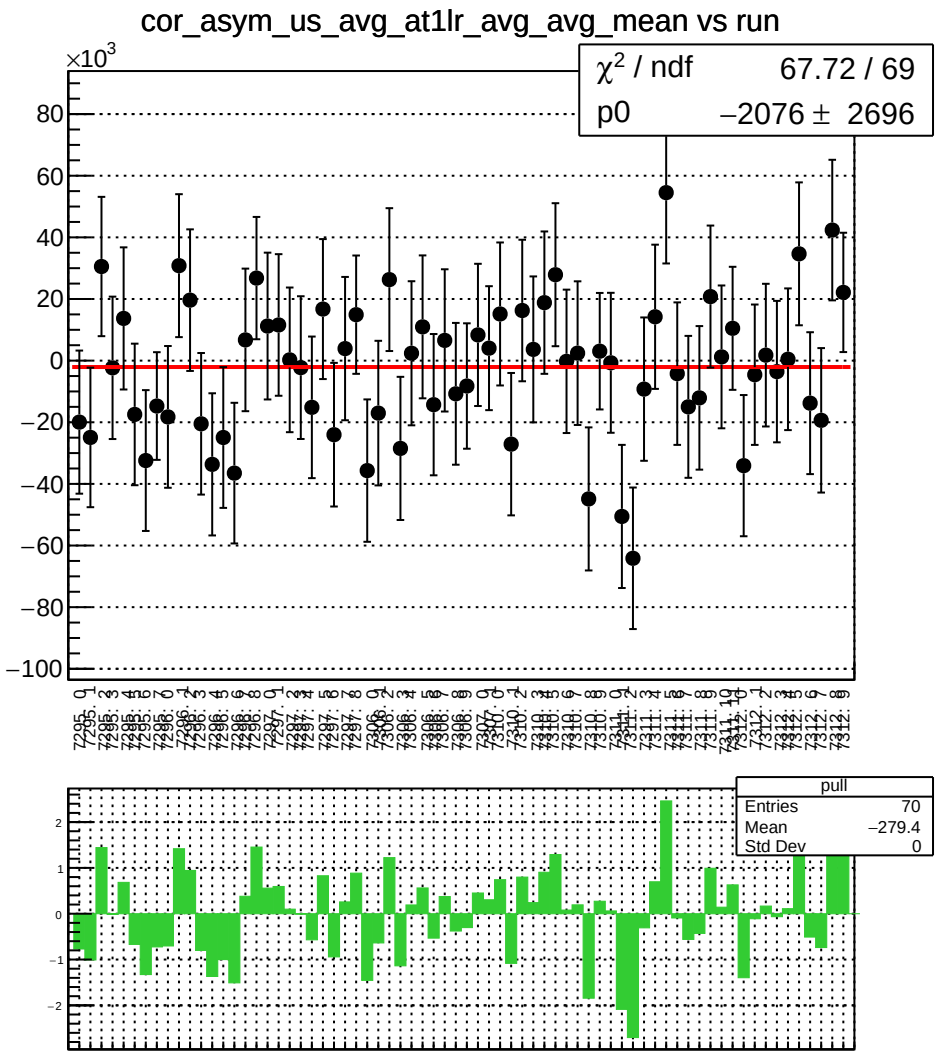

pull1D
Entries 70
Mean −0.008133
Std Dev 0.9835

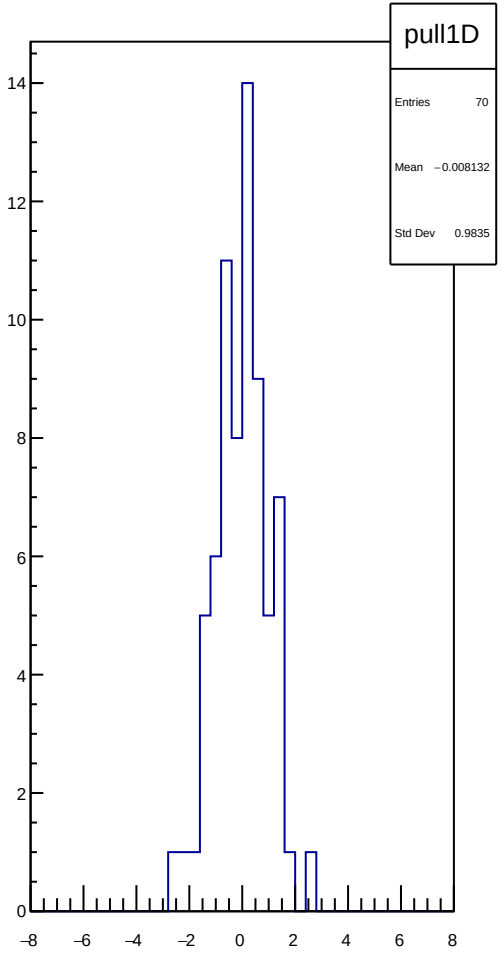

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 119.6 / 69
p0 2189 ± 1.906
2280
2260
2240
2220
2200
2180
2160
2140
2120

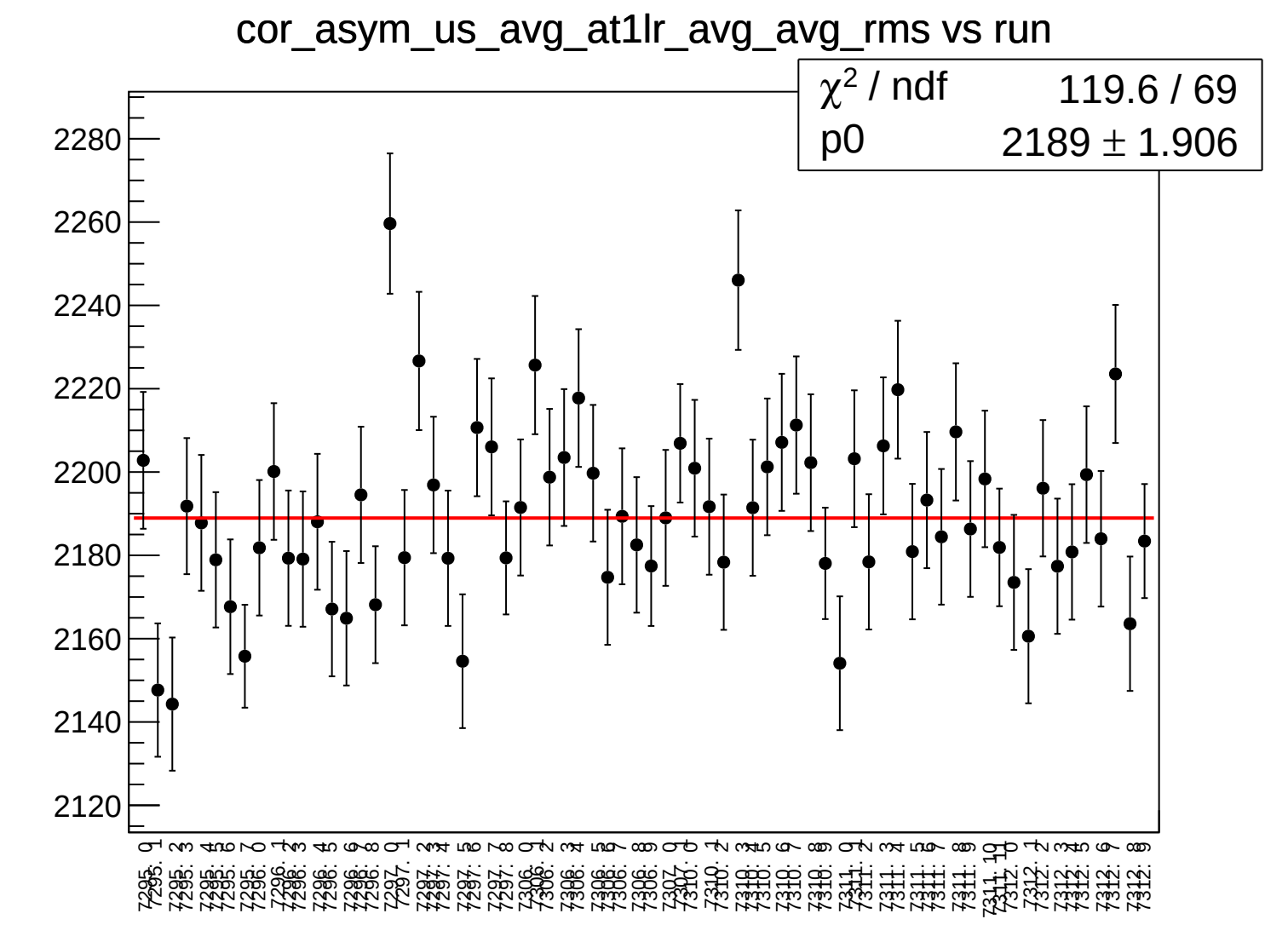

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 60.72 / 69
p0 −691.8 ± 2578
pull
Entries 70
Mean 236.2
Std Dev 0

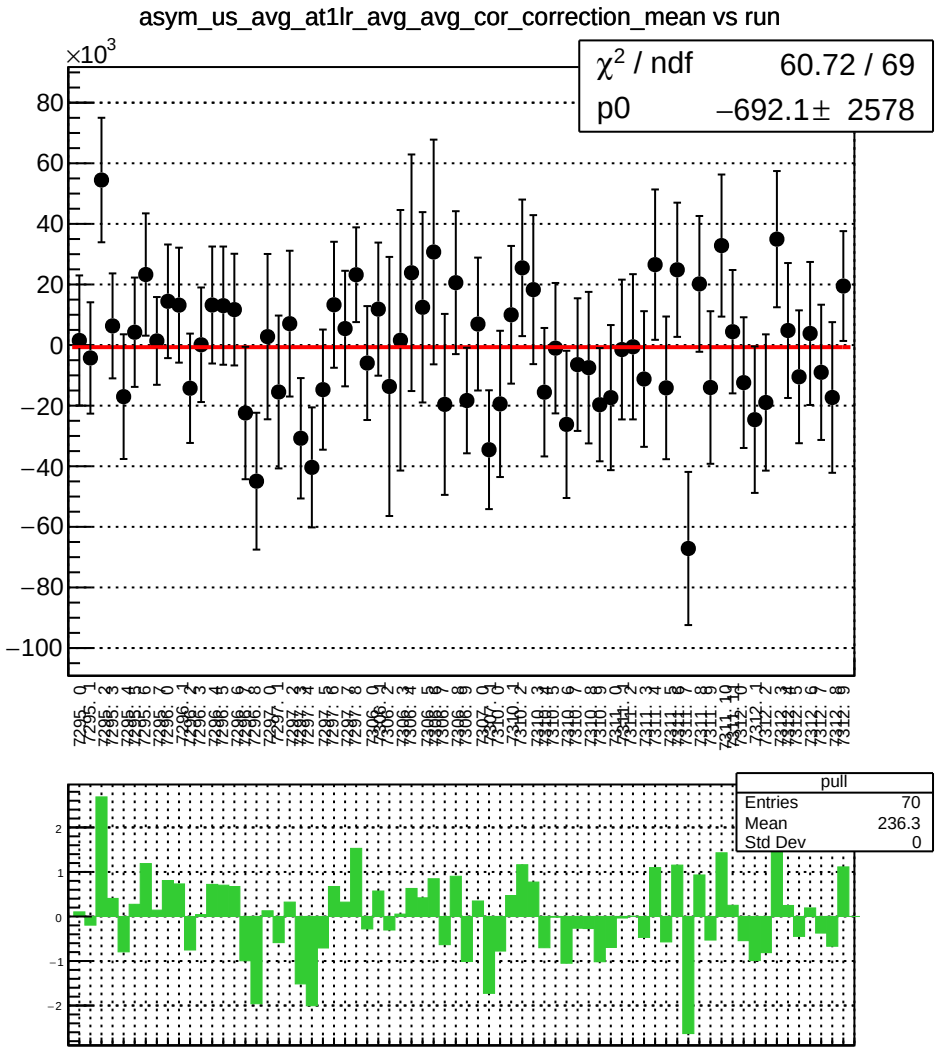

pull1D
Entries 70
Mean −0.009634
Std Dev 0.9313

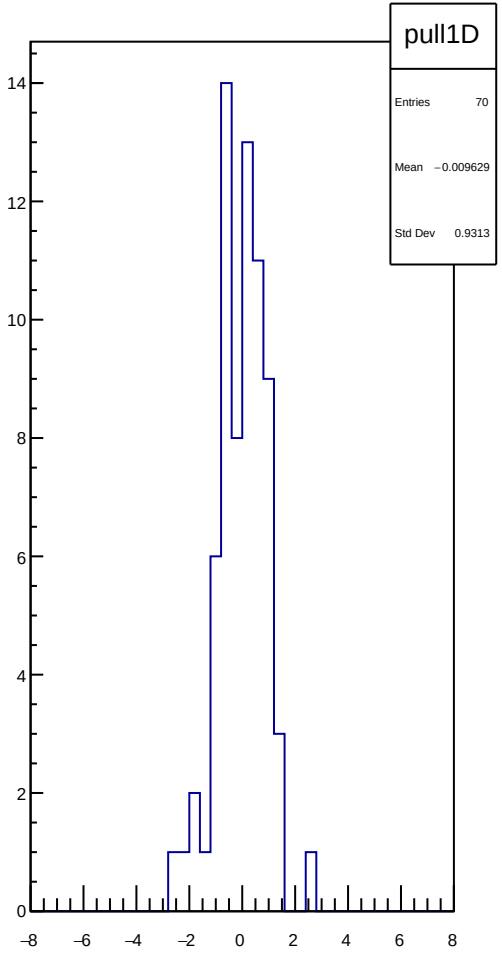

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ^2 / ndf 3.268e+04 / 69
p0 2068 ± 1.823
4000
3500
3000
2500
2000
1500

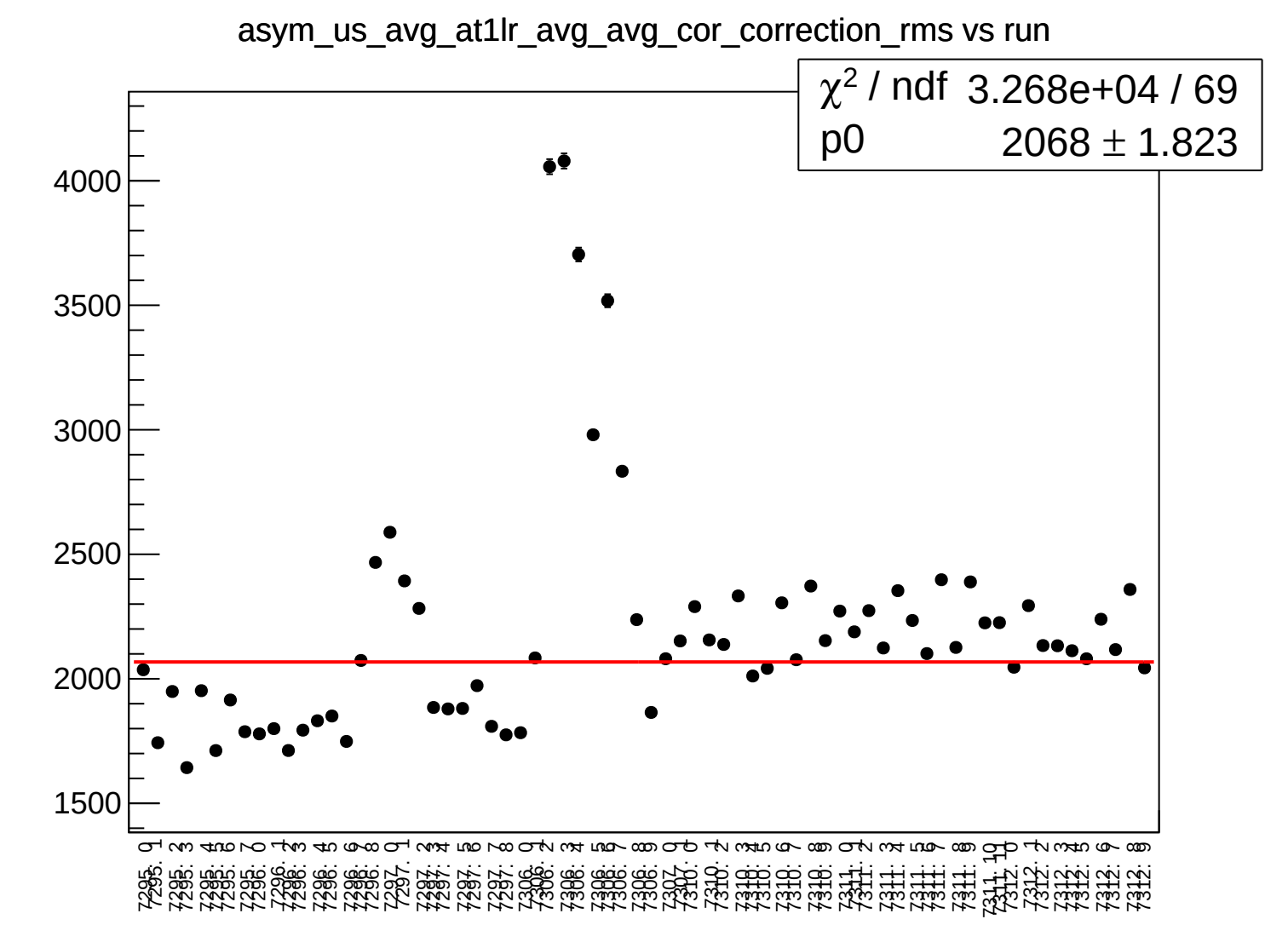

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.72 / 69
p0 −2076 ± 2696
×10³
pull
Entries 70
Mean −279.4
Std Dev 0

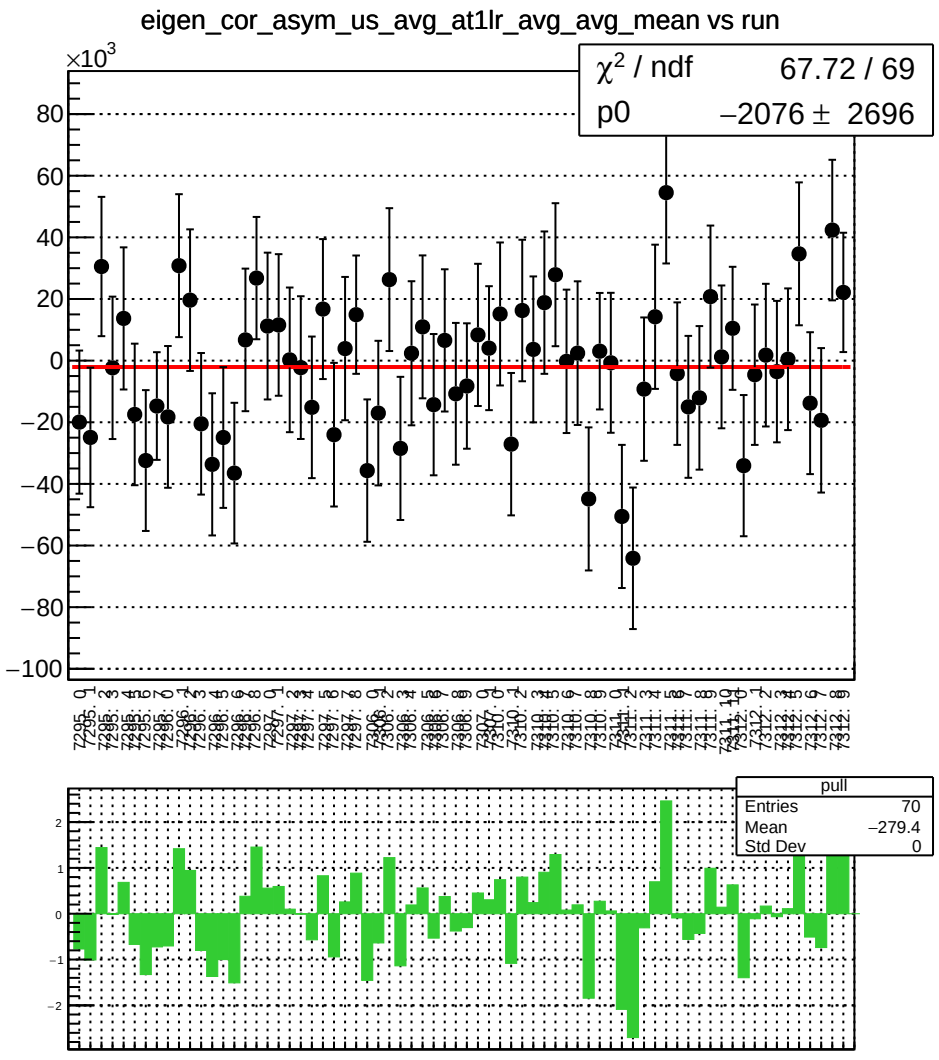

pull1D
Entries 70
Mean −0.008132
Std Dev 0.9835

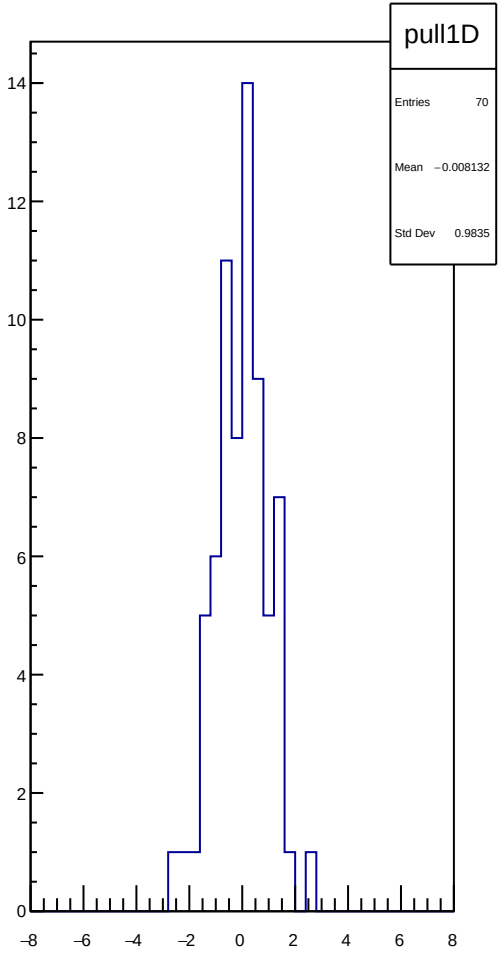

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 119.6 / 69
p0 2189 ± 1.906
2280
2260
2240
2220
2200
2180
2160
2140
2120

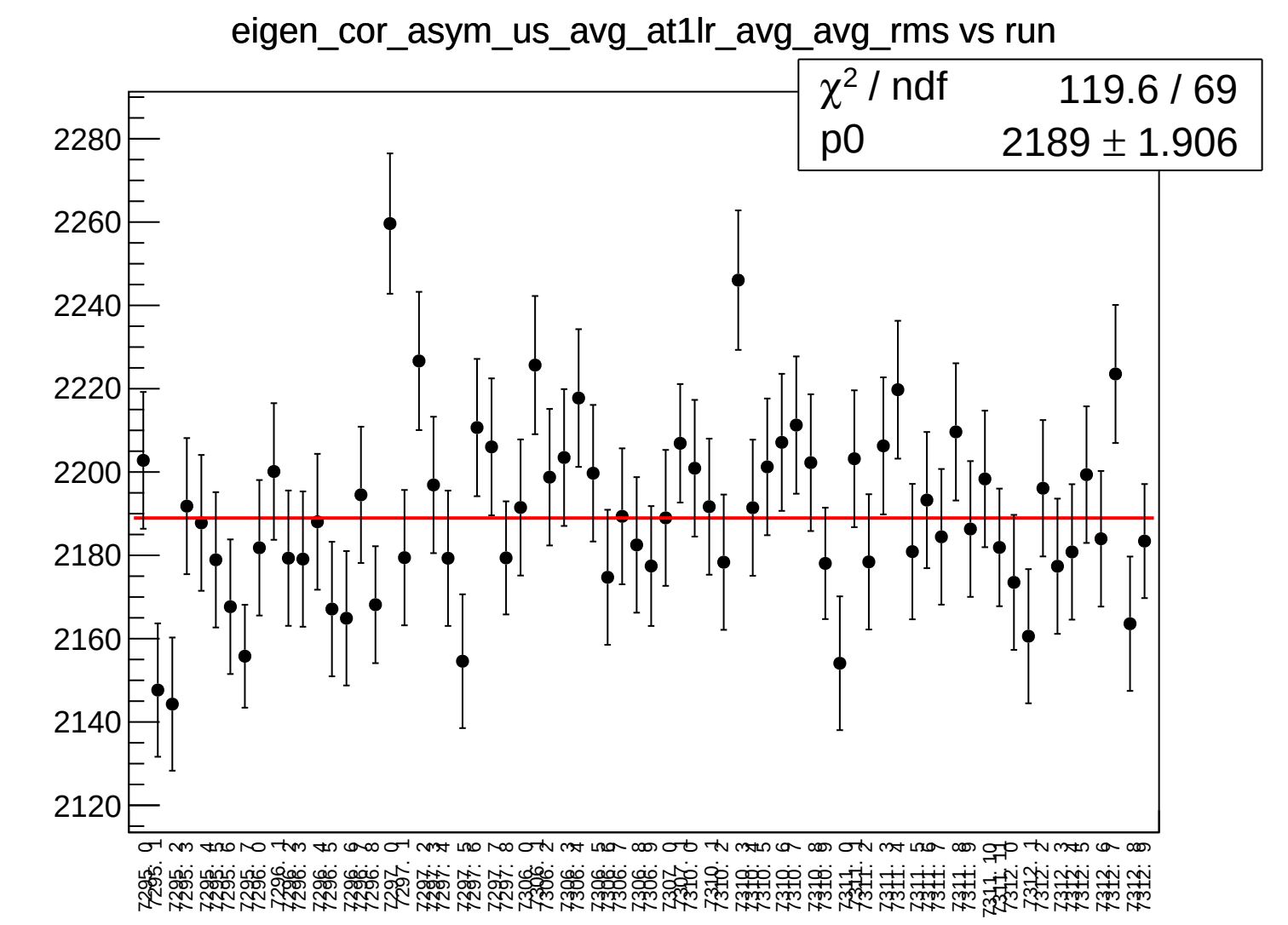

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 60.72 / 69
p0 −692.1± 2578
pull
Entries 70
Mean 236.3
Std Dev 0

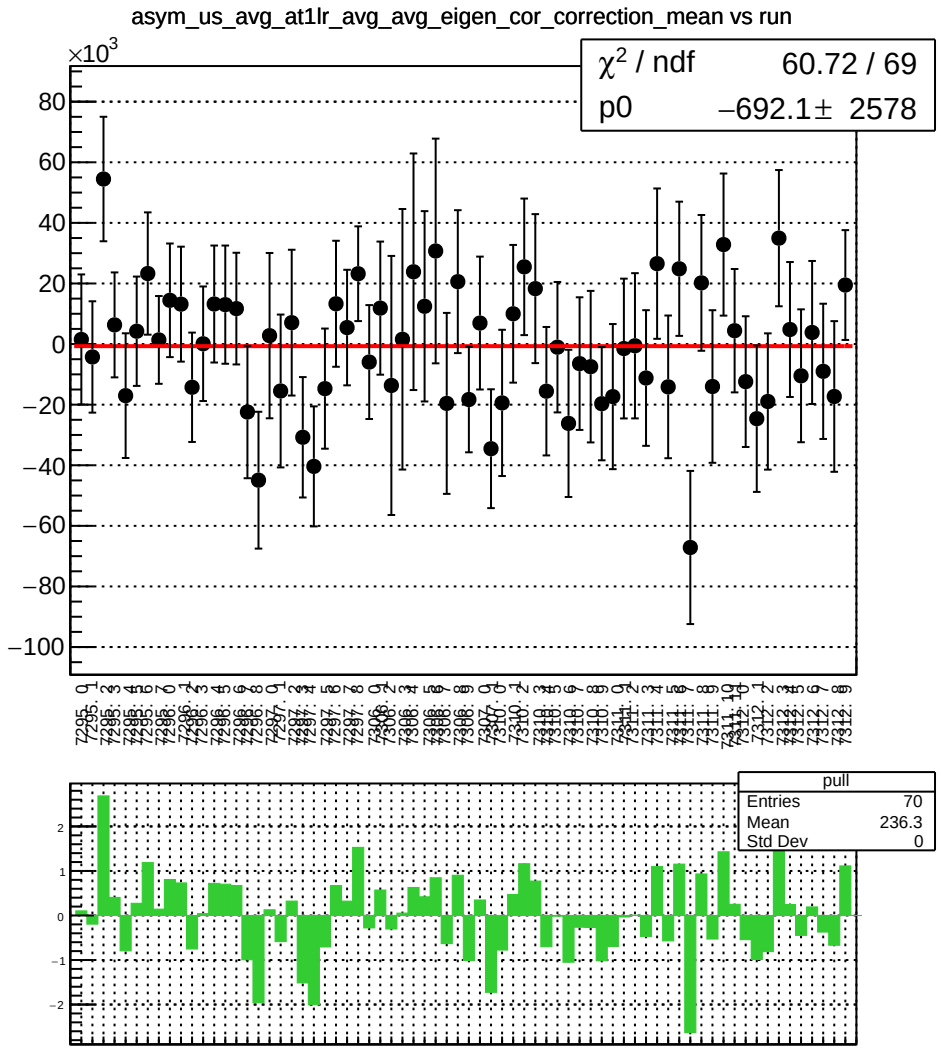

pull1D
Entries 70
Mean −0.009629
Std Dev 0.9313

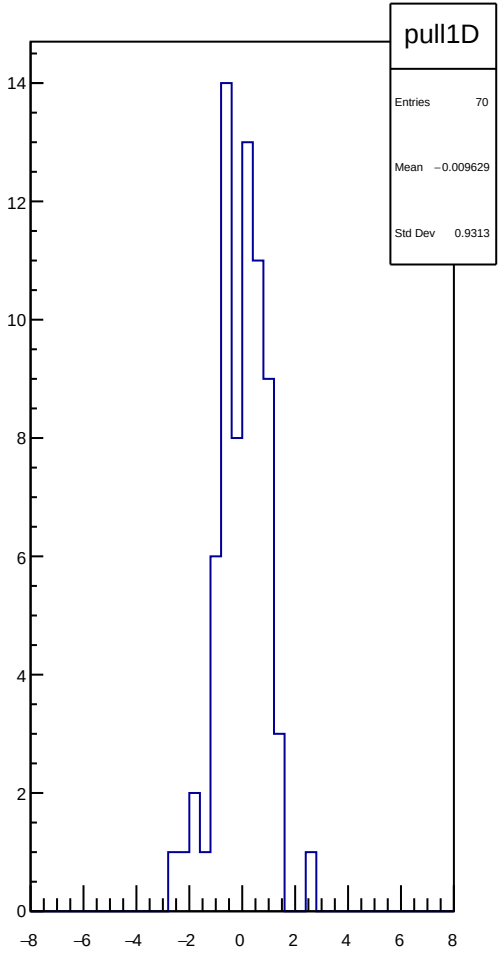

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3.268e+04 / 69
p0 2068 ± 1.823
4000
3500
3000
2500
2000
1500

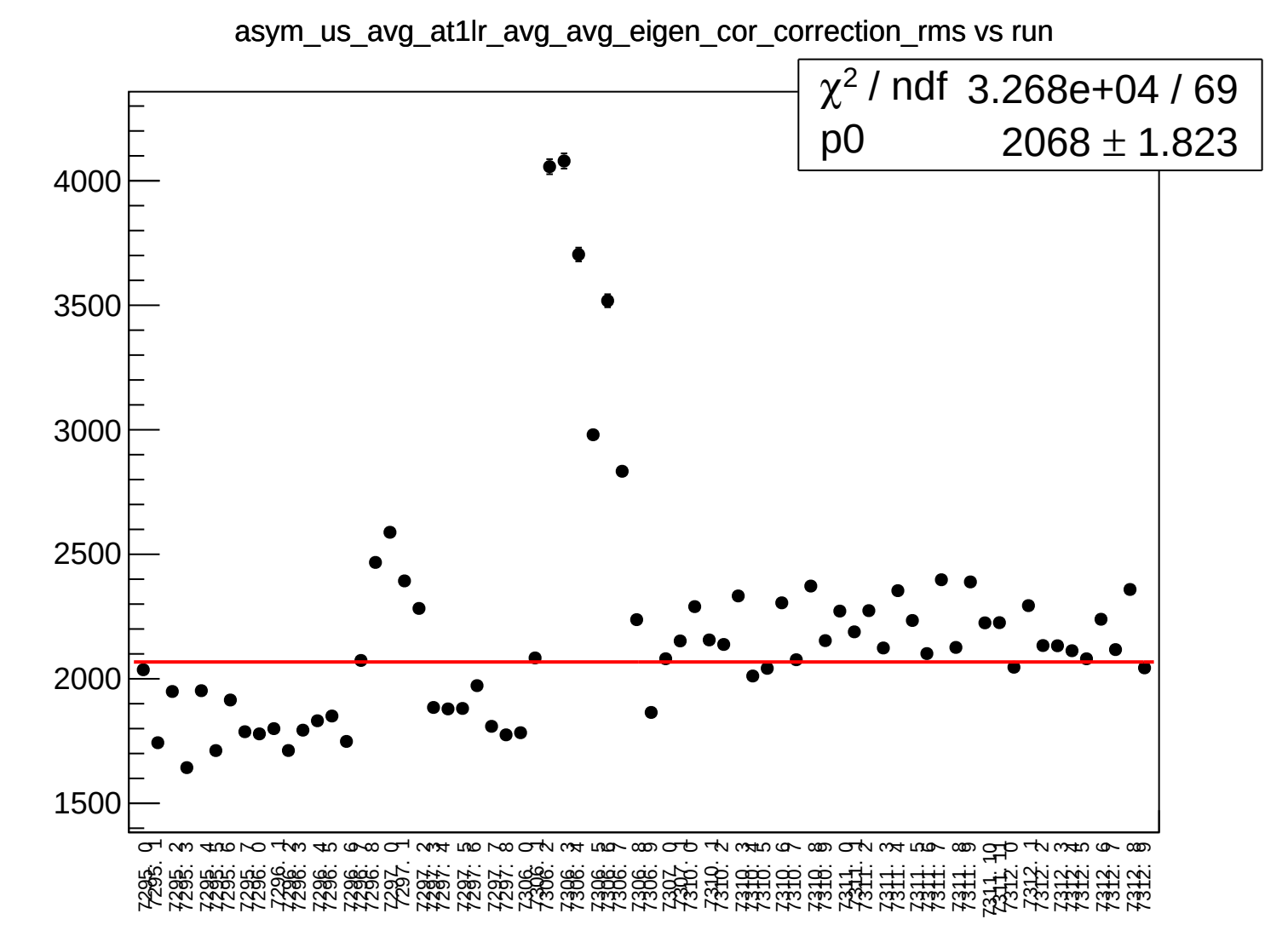

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 67.72 / 69
p0 −2076 ± 2696
pull
Entries 70
Mean −279.4
Std Dev 0

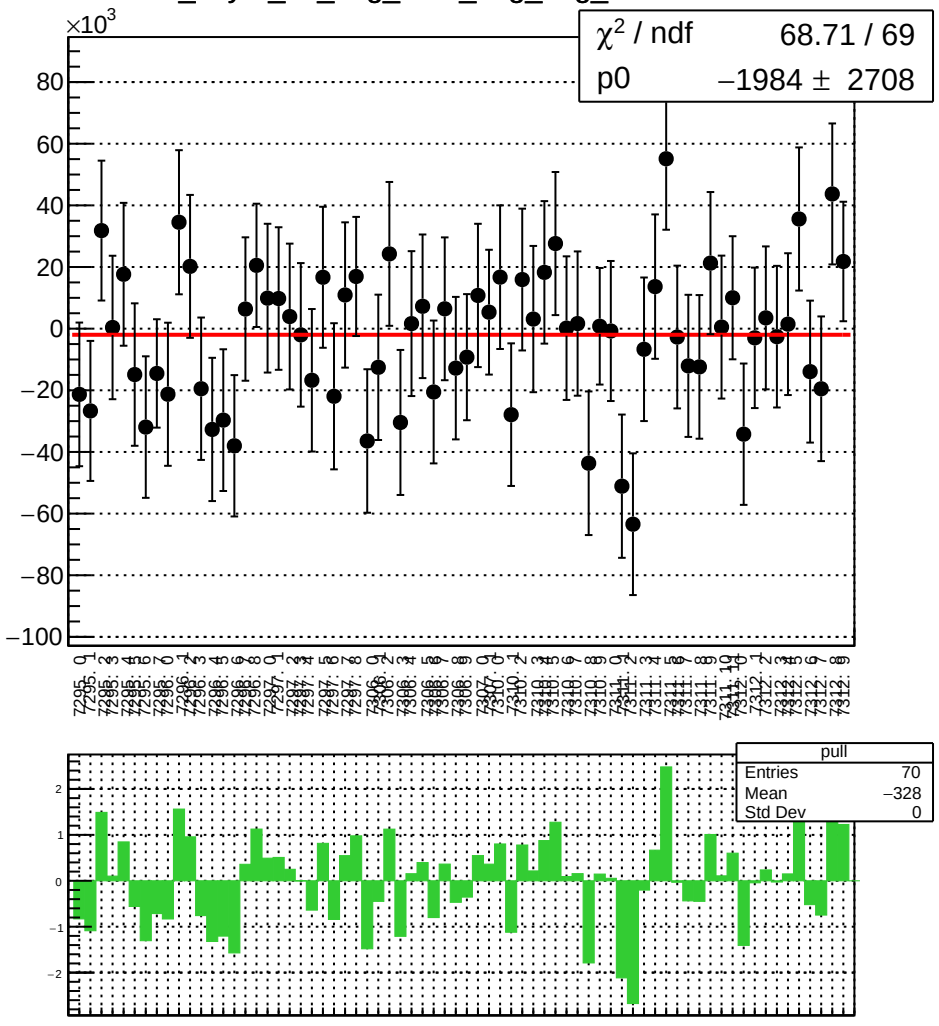

pull1D
Entries 70
Mean −0.008132
Std Dev 0.9835

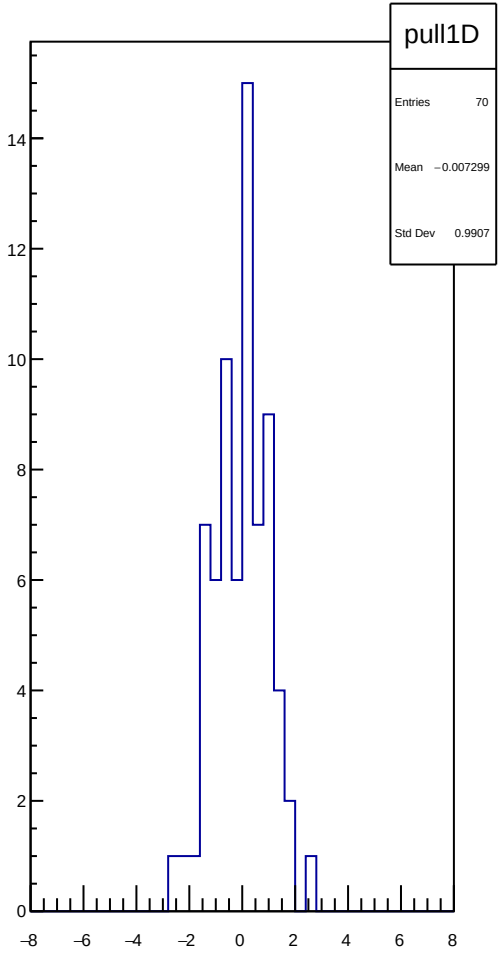

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 119.6 / 69
p0 2189 ± 1.906
2280
2260
2240
2220
2200
2180
2160
2140
2120

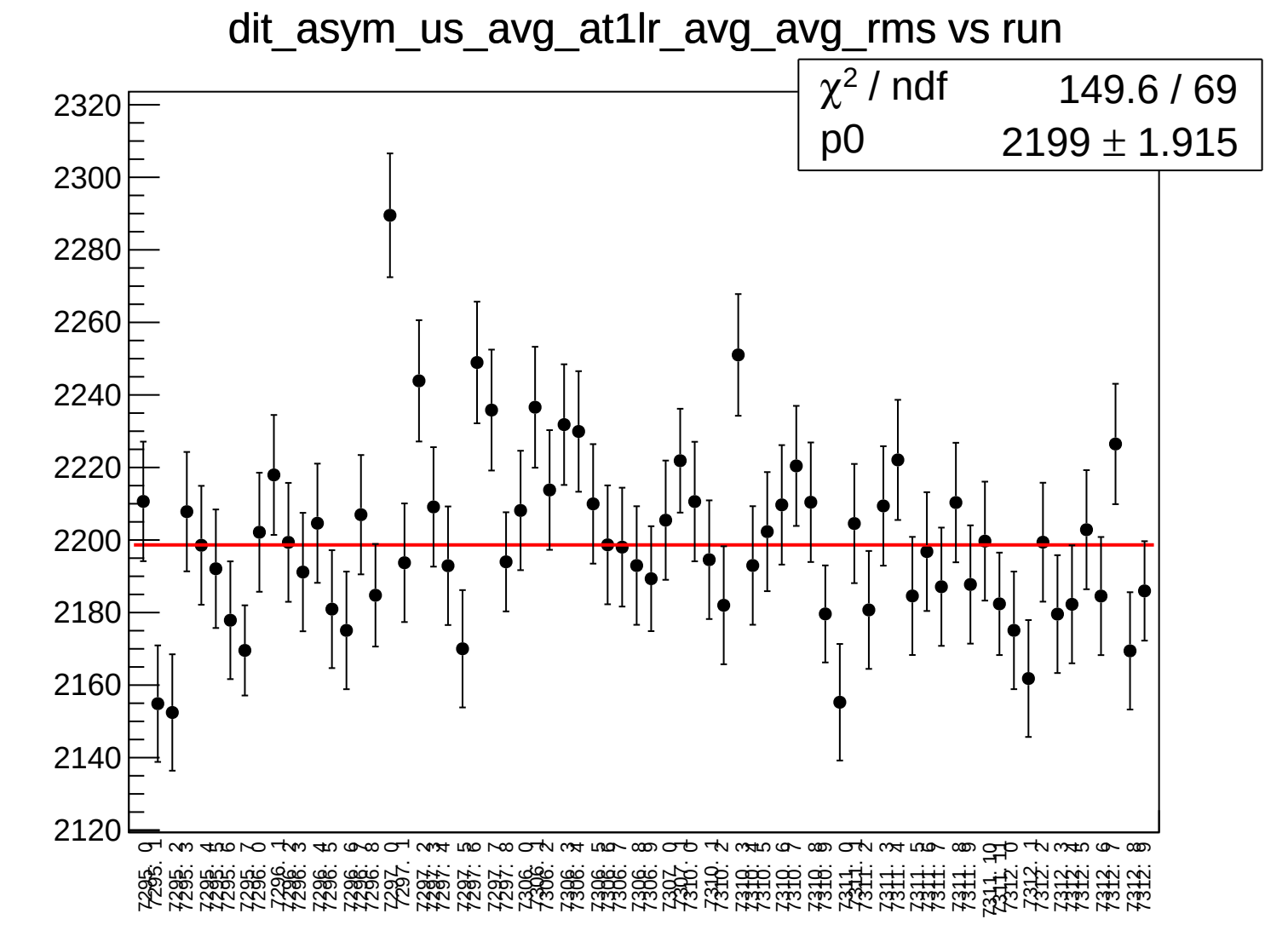

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 60.72 / 69
p0 −692.1± 2578
pull
Entries 70
Mean 236.3
Std Dev 0

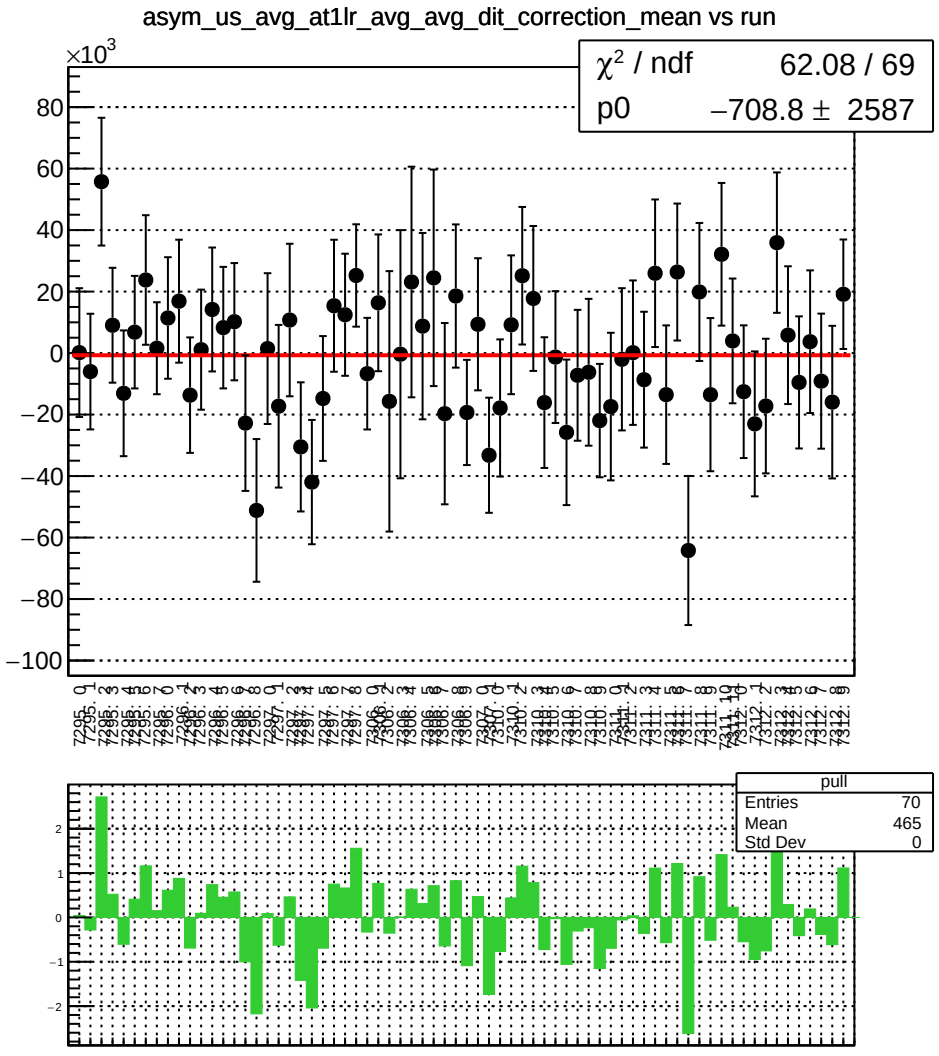

pull1D
Entries 70
Mean −0.009629
Std Dev 0.9313

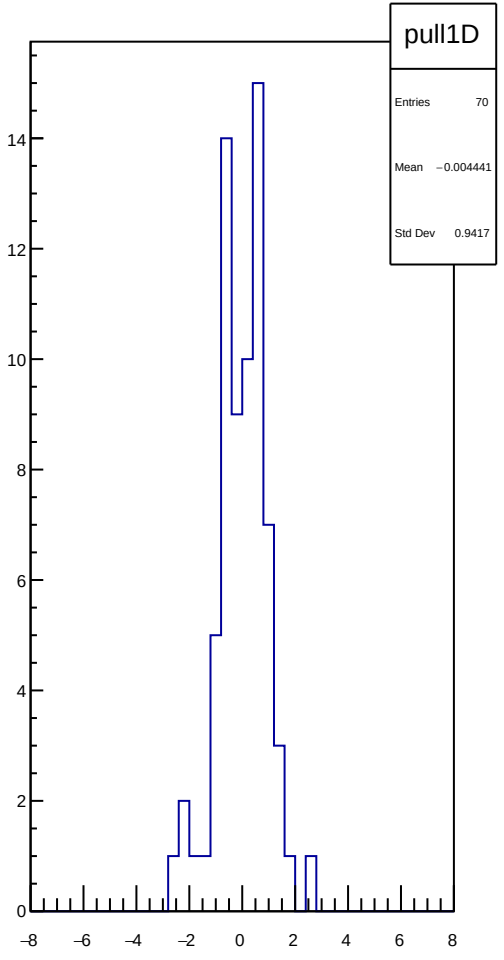

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.268e+04 / 69
p0 2068 ± 1.823
4000
3500
3000
2500
2000
1500

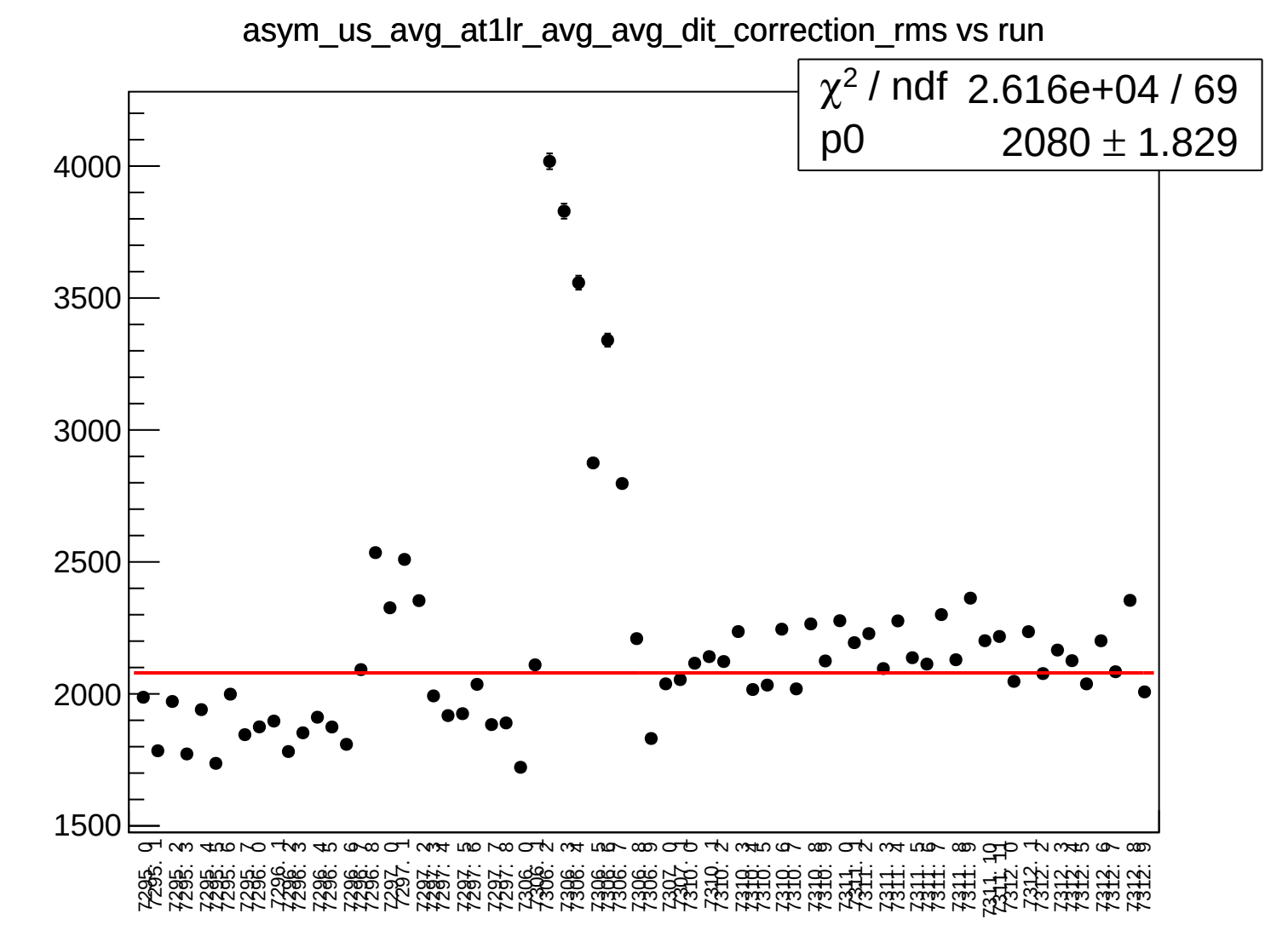

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 68.71 / 69
p0 −1984 ± 2708
pull
Entries 70
Mean −328
Std Dev 0

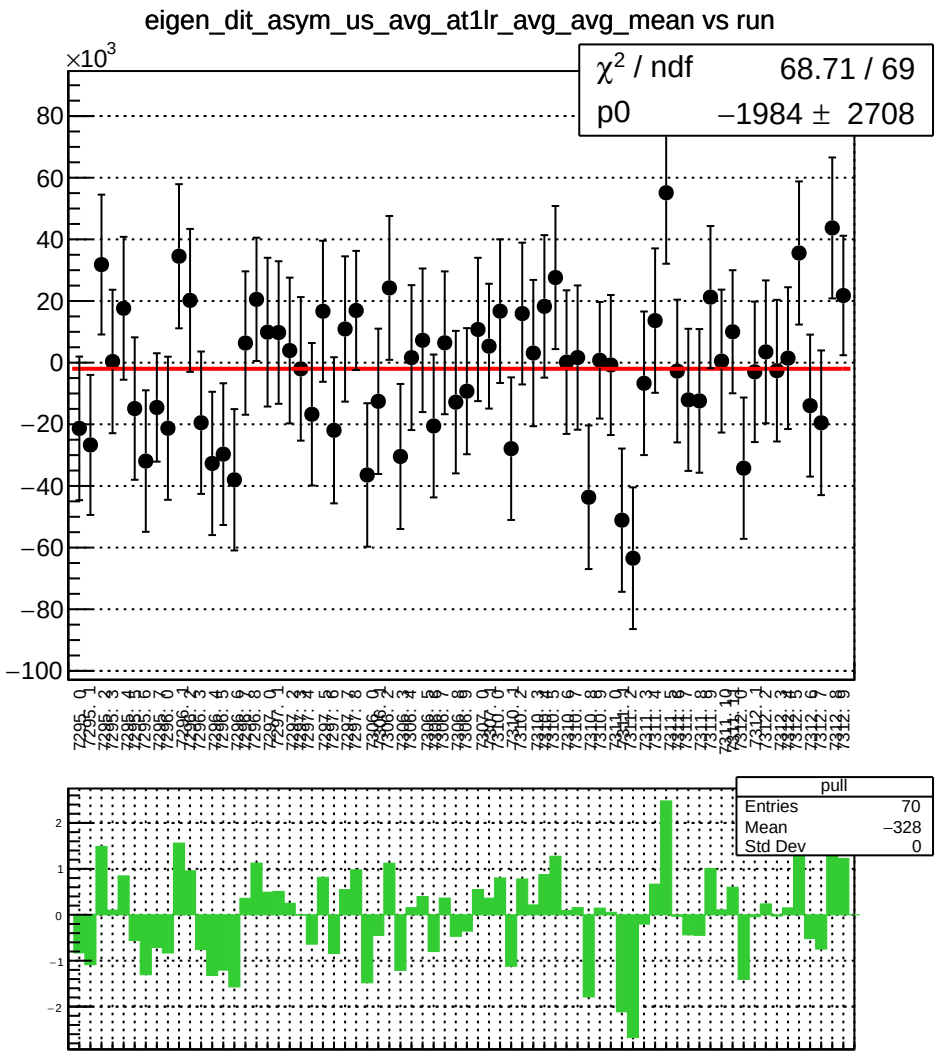

pull1D
Entries 70
Mean −0.007299
Std Dev 0.9907

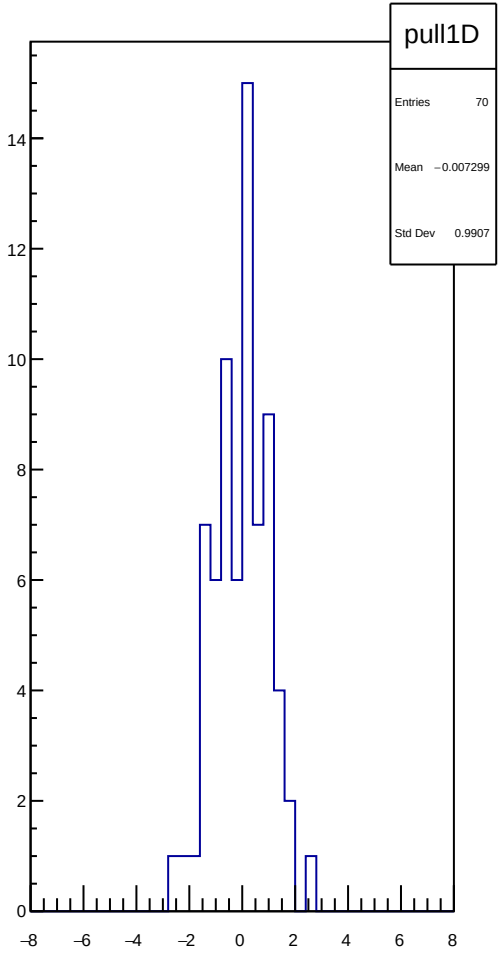

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 149.6 / 69
p0 2199 ± 1.915
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

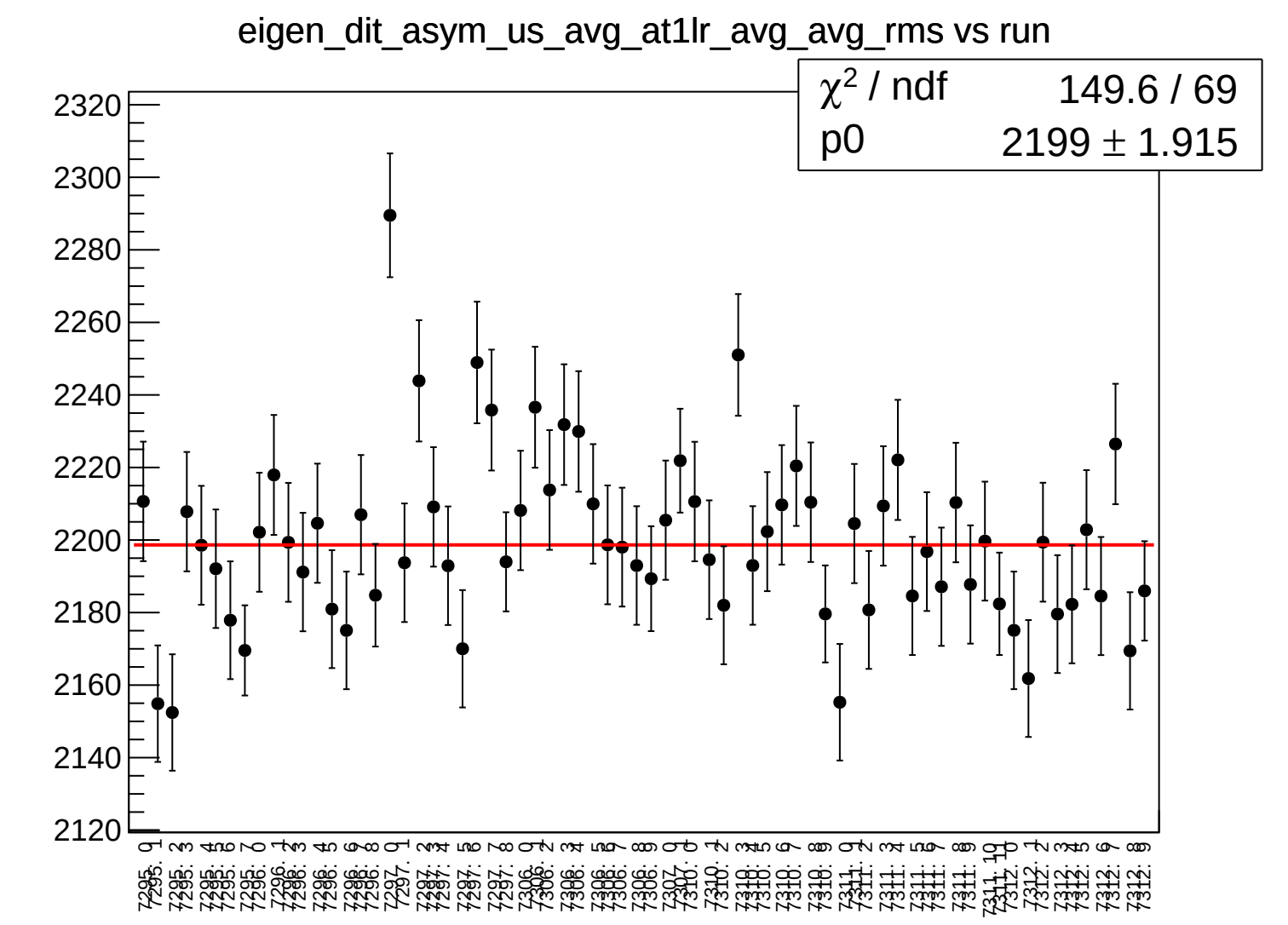

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 62.08 / 69
p0 −708.8 ± 2587
pull
Entries 70
Mean 465
Std Dev 0

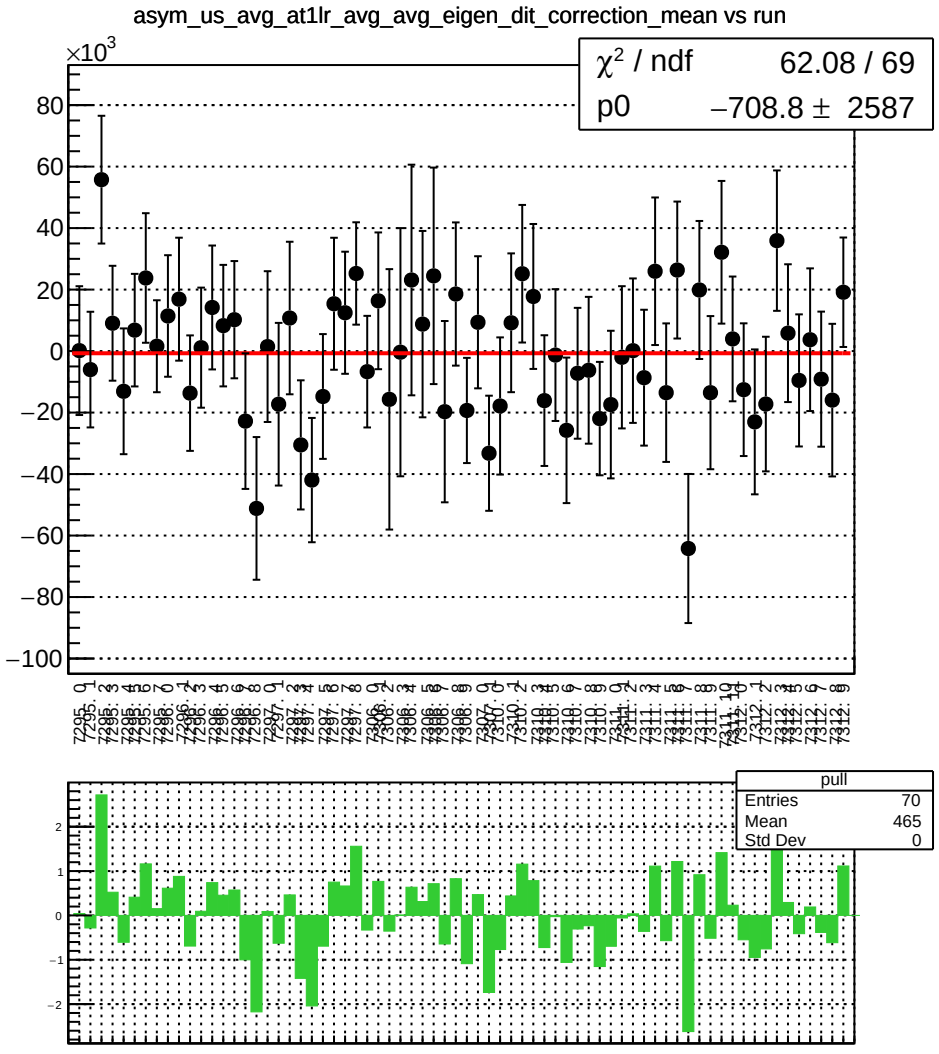

pull1D
Entries 70
Mean −0.004441
Std Dev 0.9417

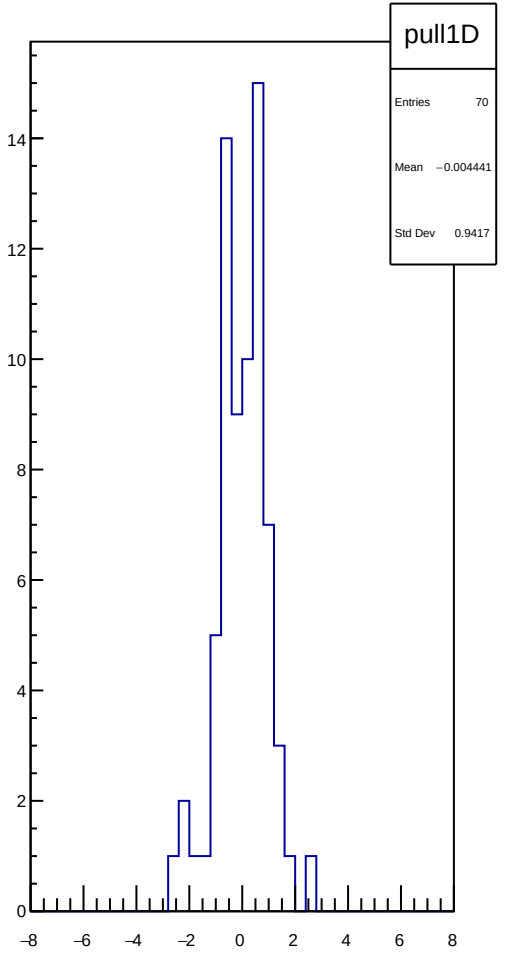

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.616e+04 / 69
p0 2080 ± 1.829
4000
3500
3000
2500
2000
1500

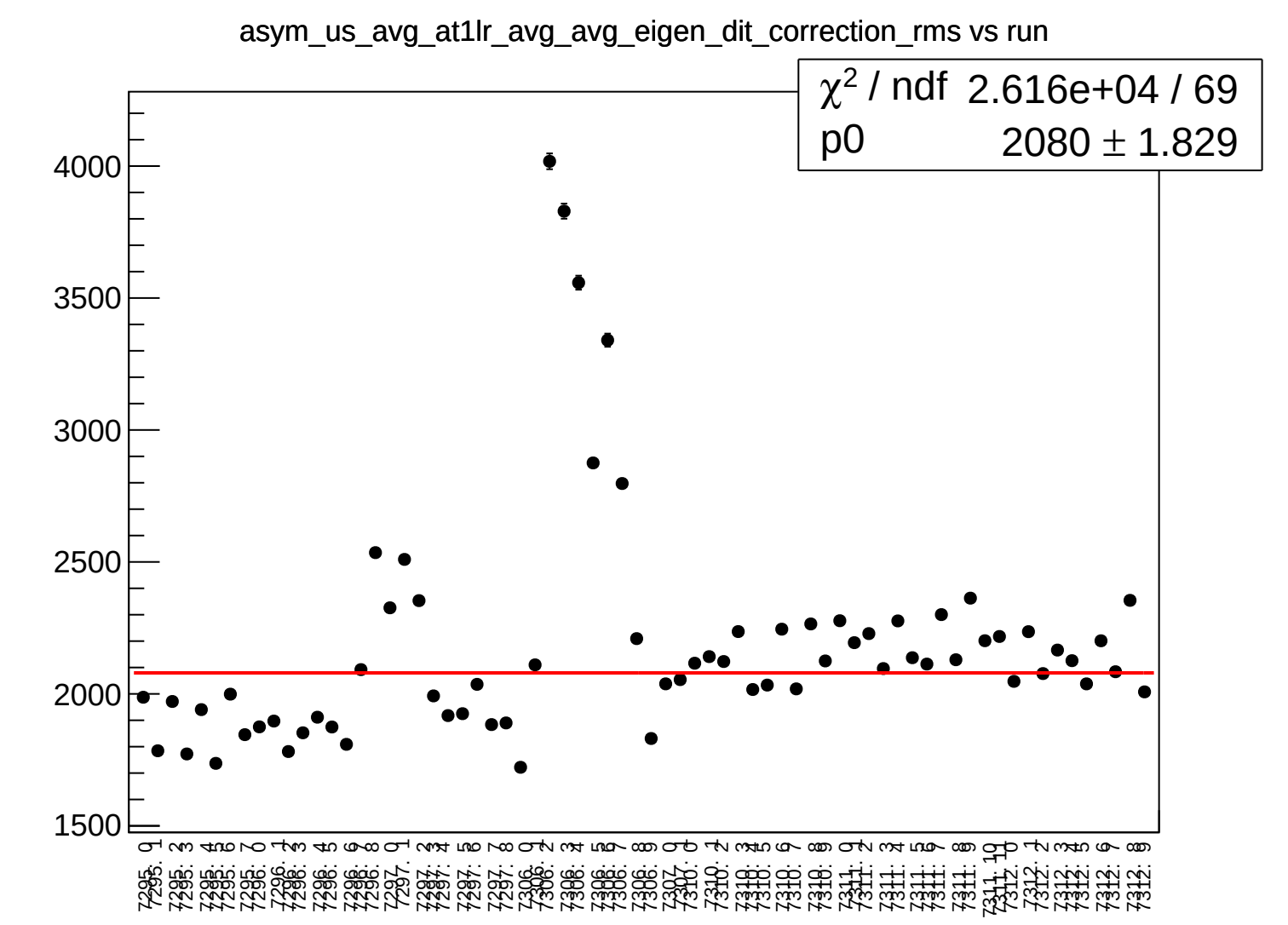

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 68.71 / 69
p0 −1984 ± 2708
pull
Entries 70
Mean −328
Std Dev 0

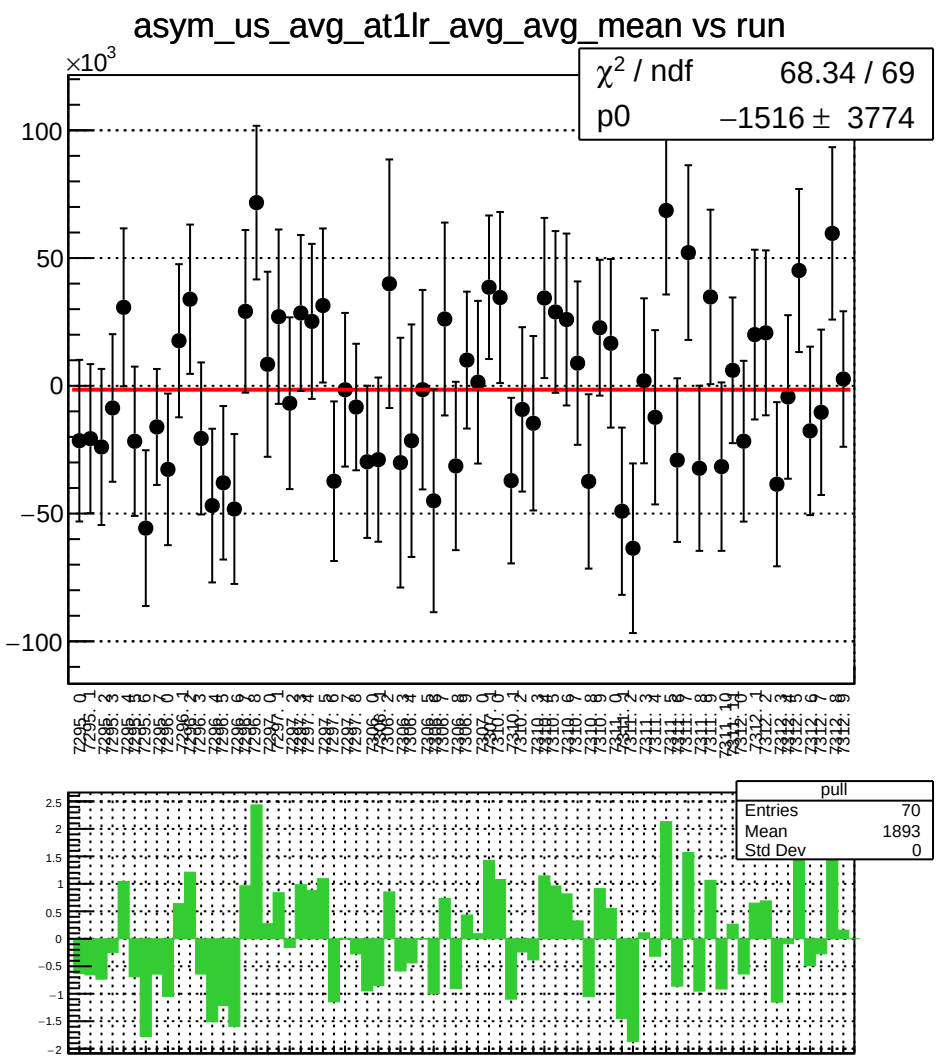

pull1D
Entries 70
Mean −0.007299
Std Dev 0.9907

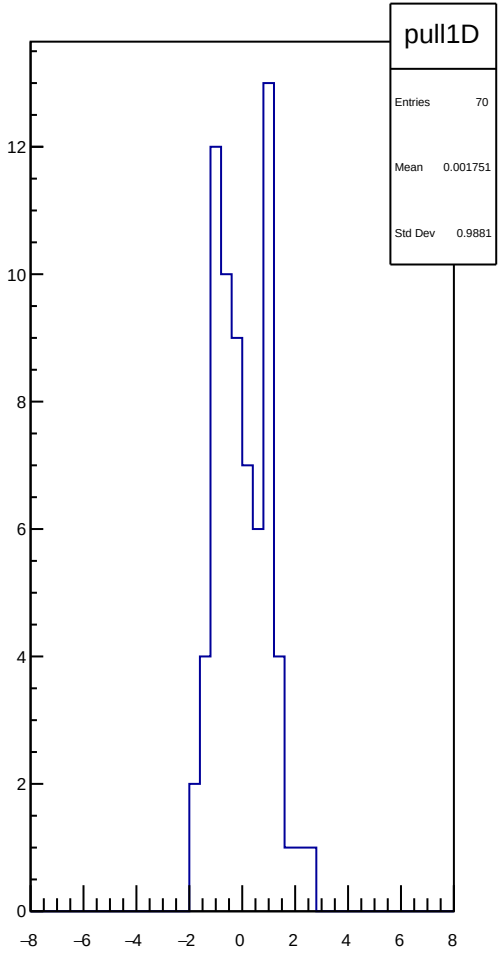

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 149.6 / 69
p0 2199 ± 1.915
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

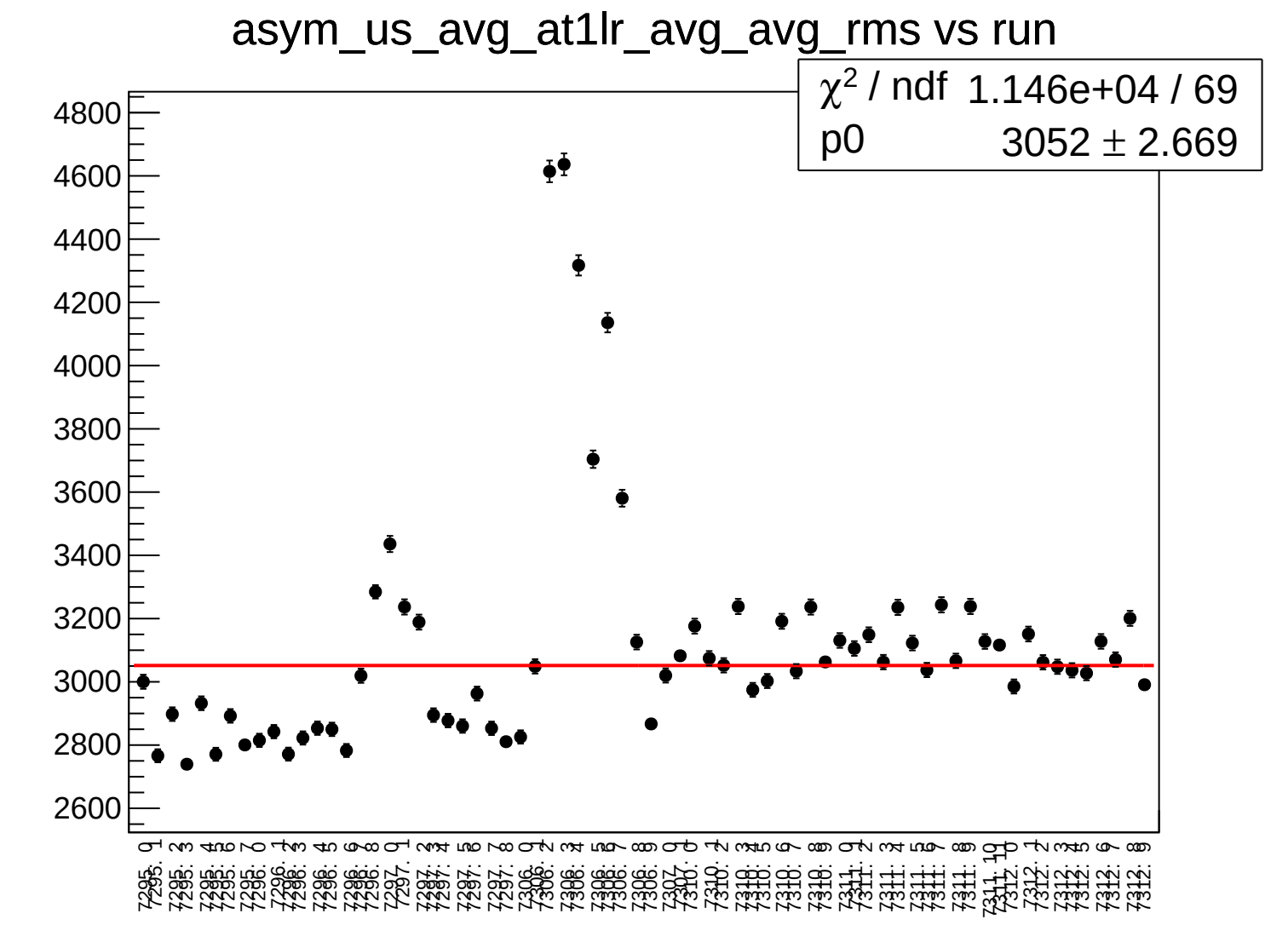

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 62.08 / 69
p0 −708.8 ± 2587
pull
Entries 70
Mean 465
Std Dev 0

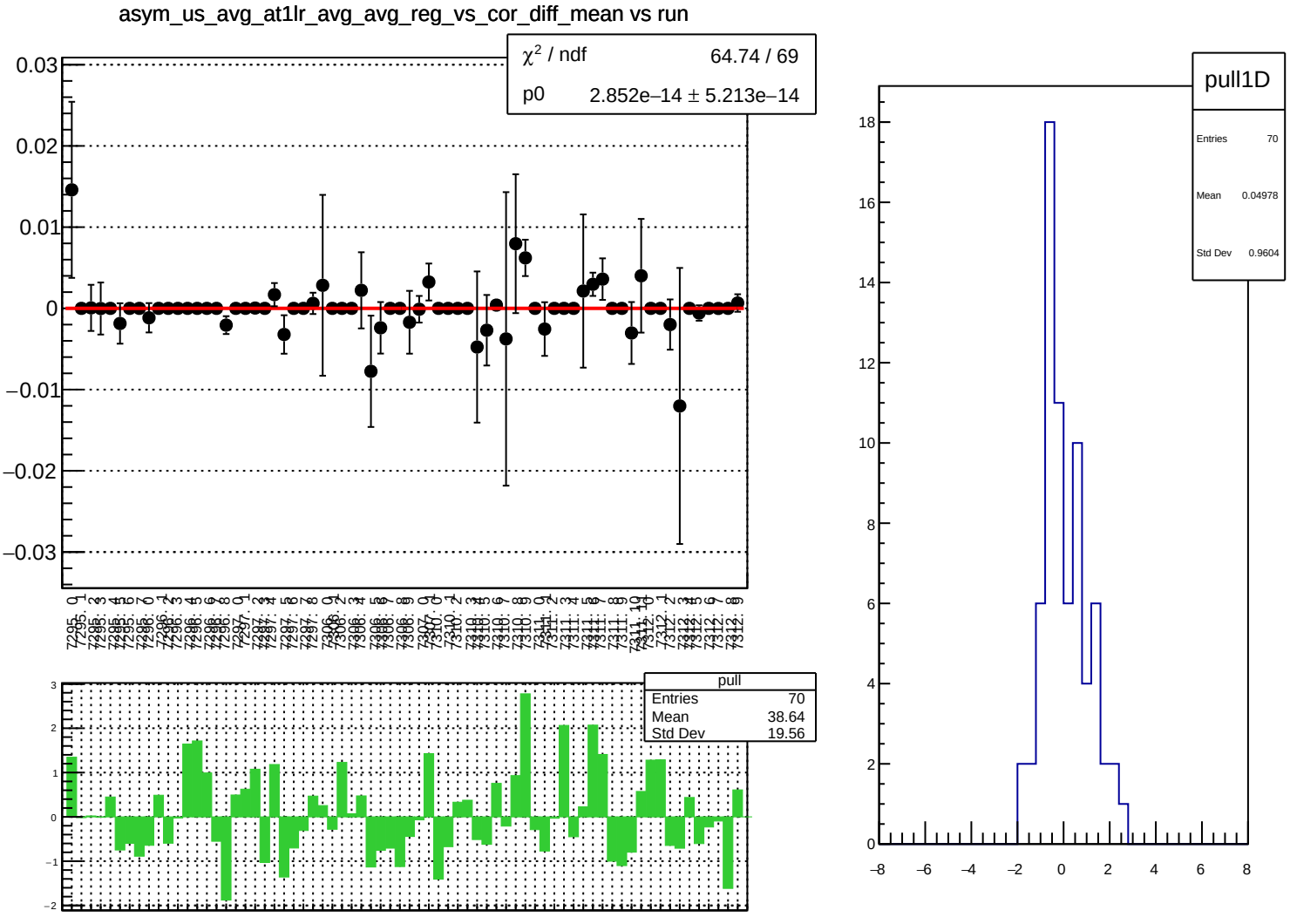

pull1D
Entries 70
Mean −0.004441
Std Dev 0.9417

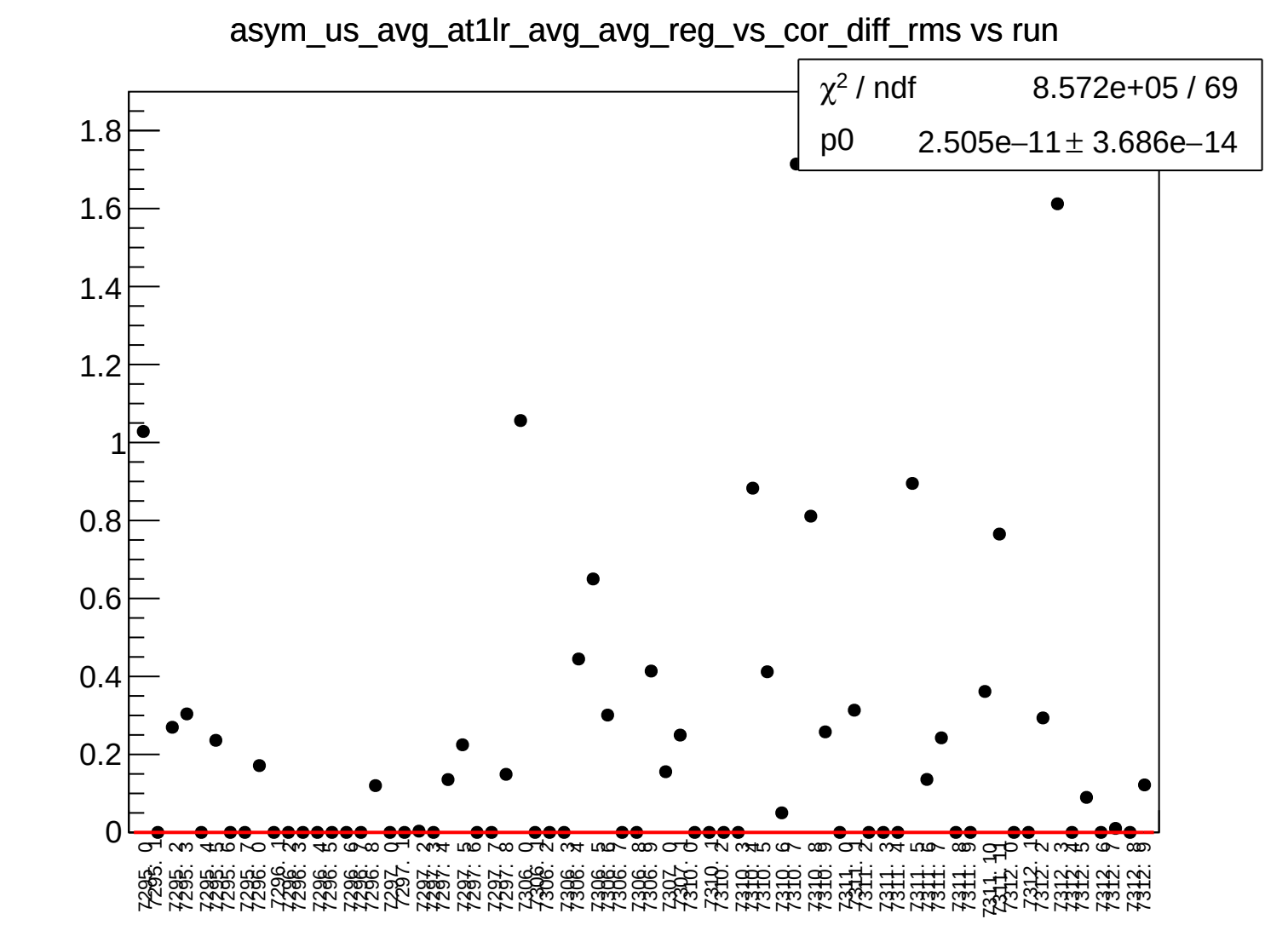

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.616e+04 / 69
p0 2080 ± 1.829
4000
3500
3000
2500
2000
1500

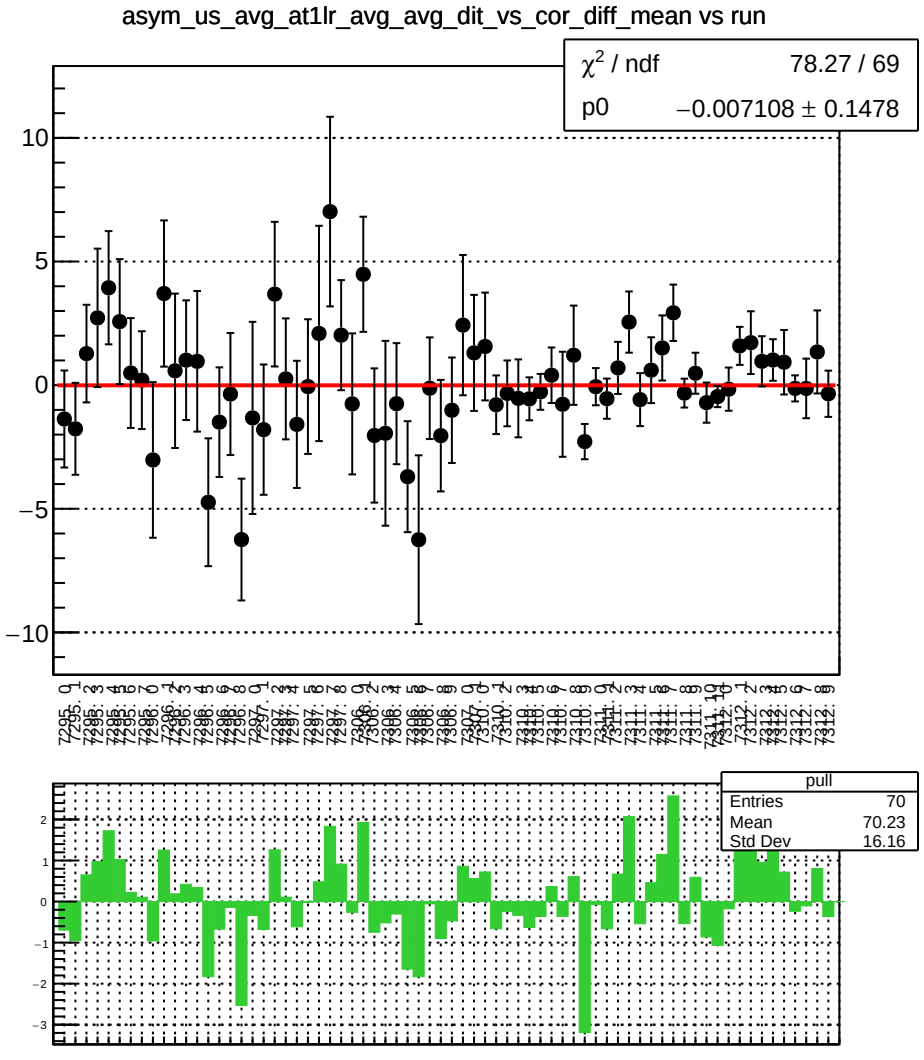

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 68.34 / 69
p0 −1516 ± 3774
100
50
0
−50
−100
pull
Entries 70
Mean 1893
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

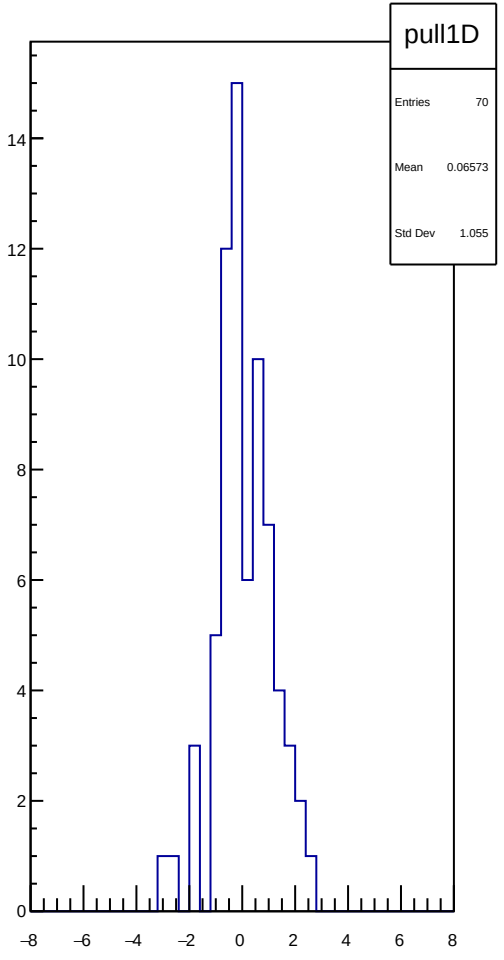

pull1D
Entries 70
Mean 0.001751
Std Dev 0.9881
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

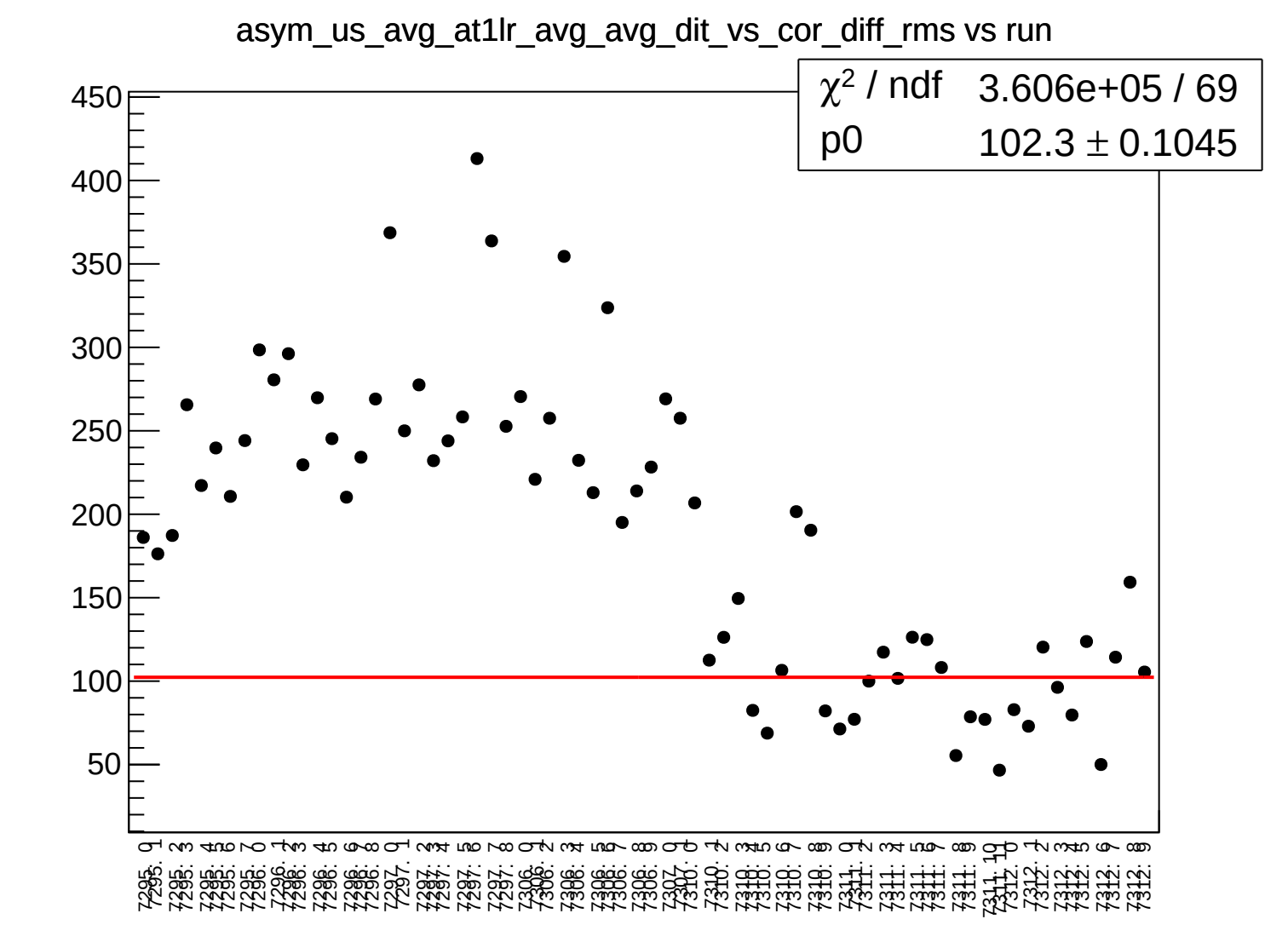

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1.146e+04 / 69
p0 3052 ± 2.669
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600

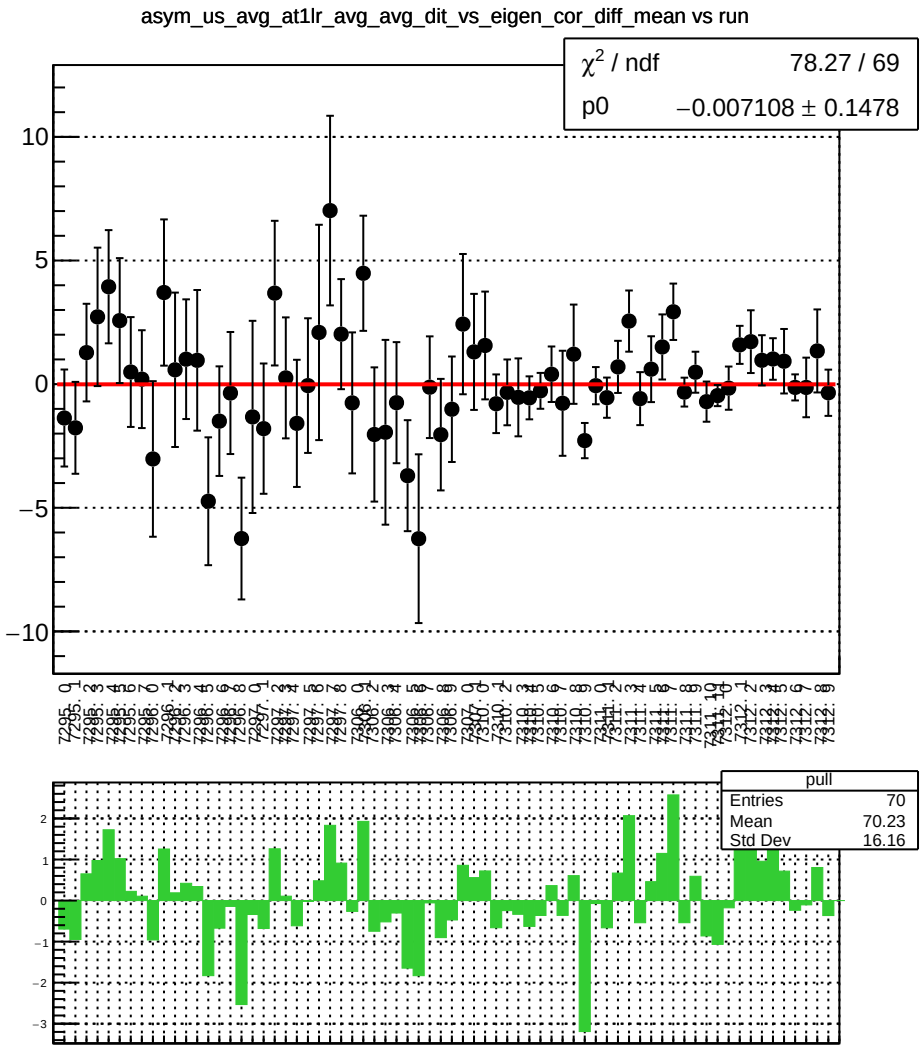

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.74 / 69
p0 2.852e−14 ± 5.213e−14
pull
Entries 70
Mean 38.64
Std Dev 19.56
pull1D
Entries 70
Mean 0.04978
Std Dev 0.9604

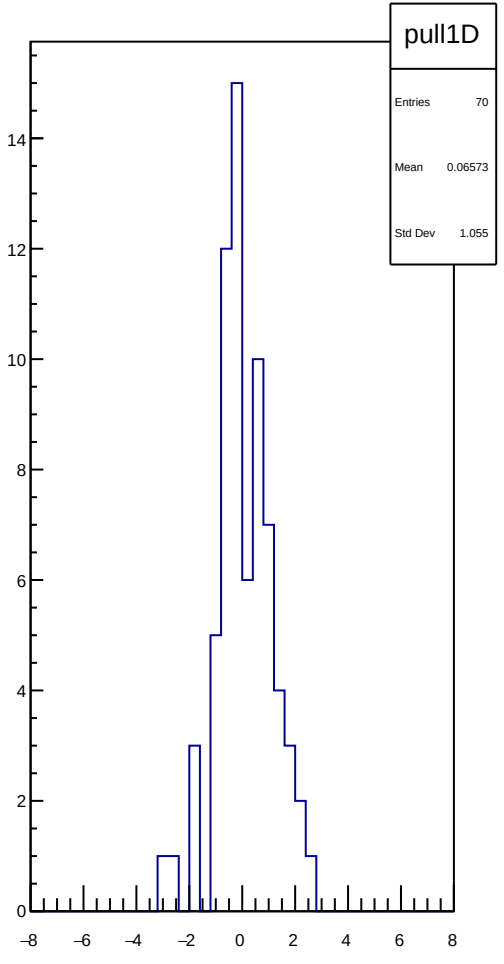

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.572e+05 / 69
p0 2.505e−11 ± 3.686e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

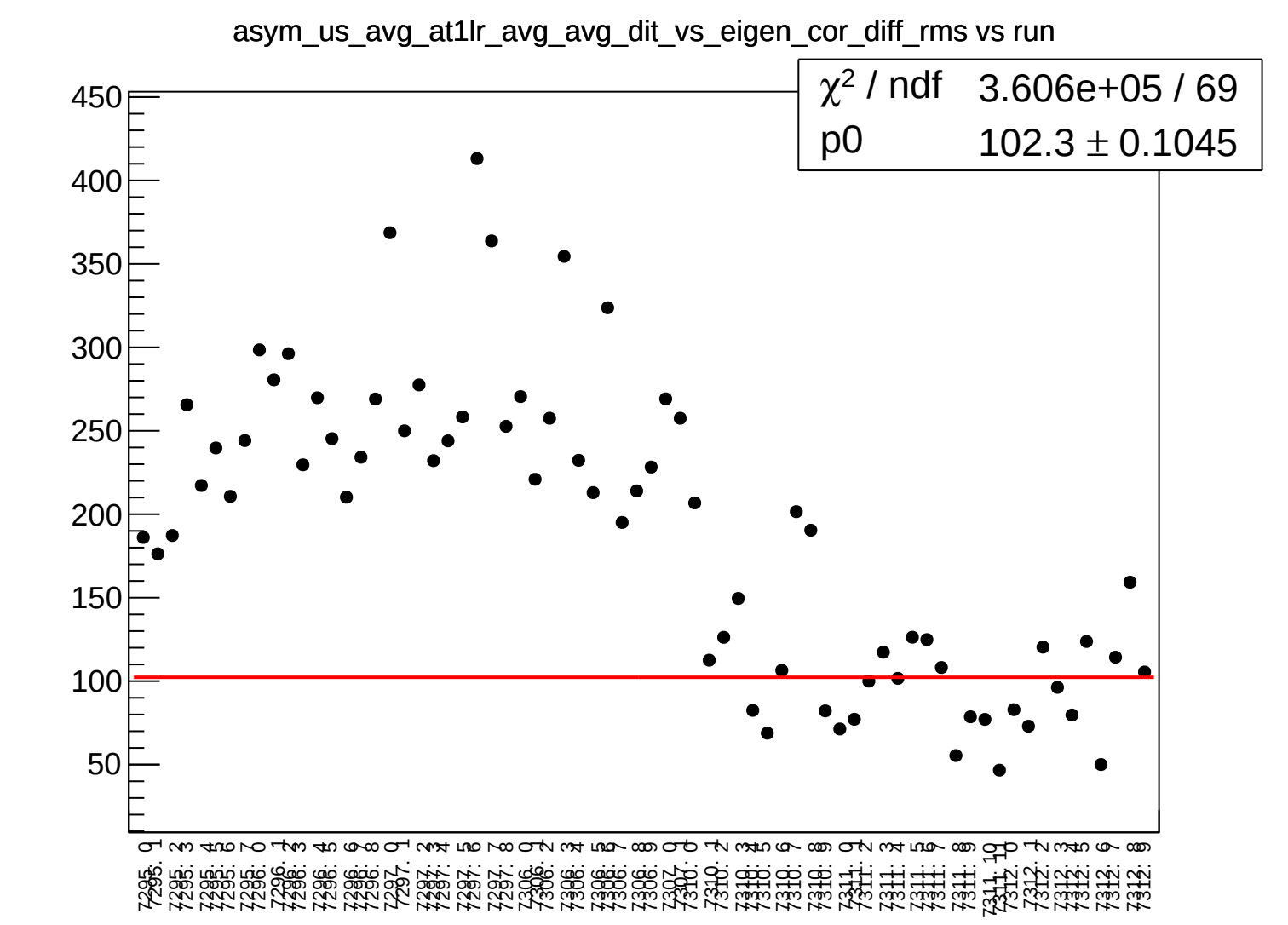

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.27 / 69
p0 −0.007108 ± 0.1478
pull
Entries 70
Mean 70.23
Std Dev 16.16

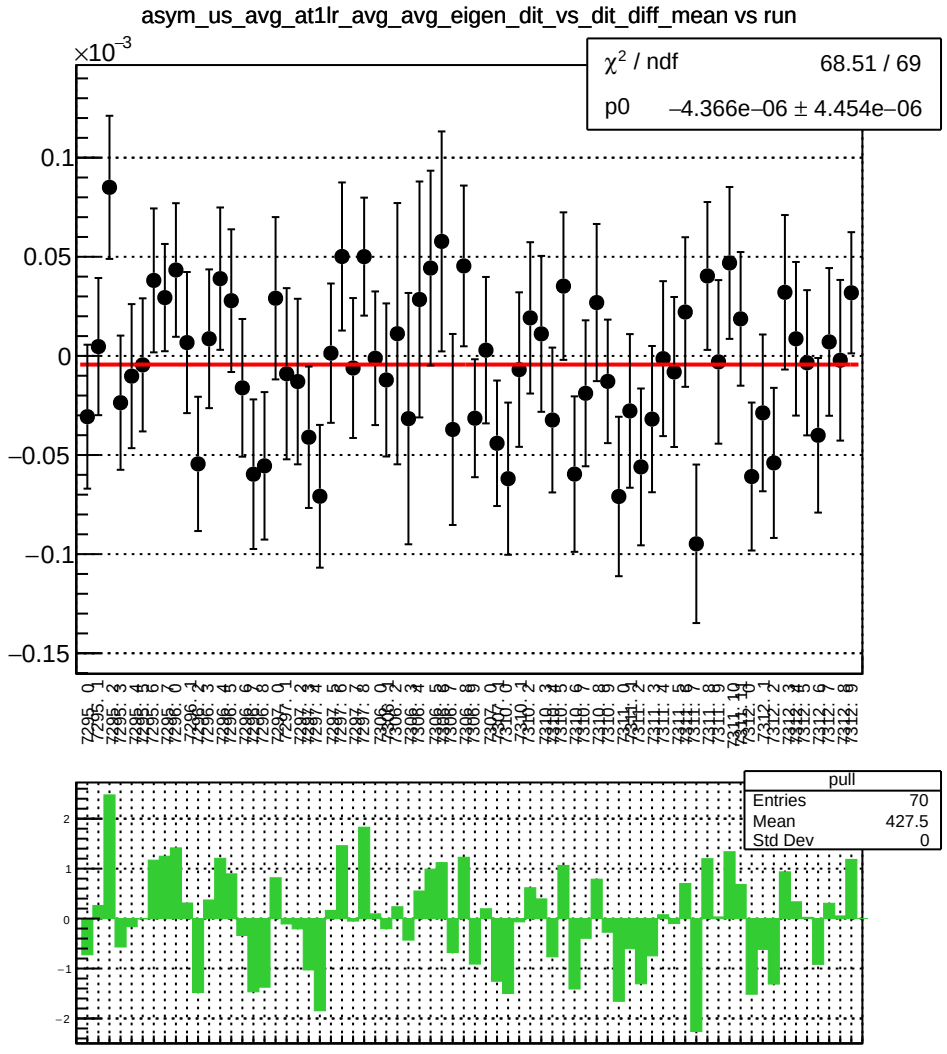

pull1D
Entries 70
Mean 0.06573
Std Dev 1.055

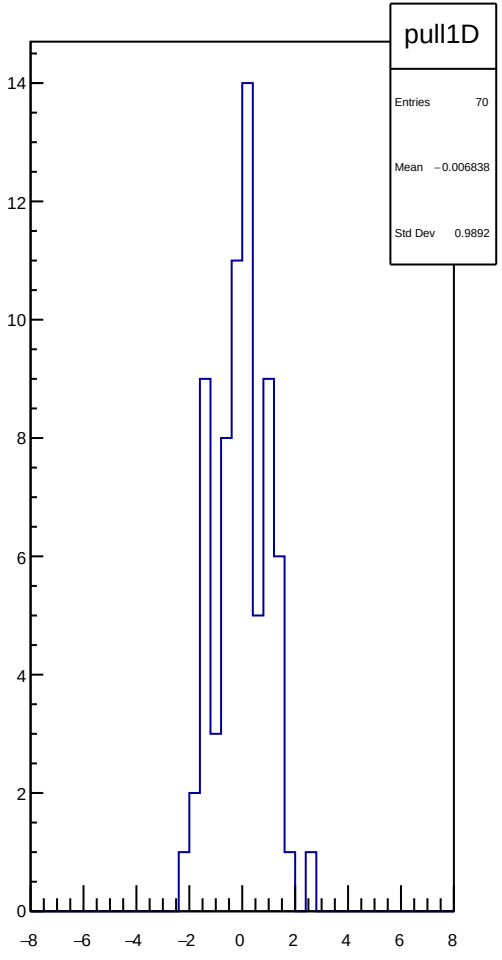

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.606e+05 / 69
p0 102.3 ± 0.1045
450
400
350
300
250
200
150
100
50

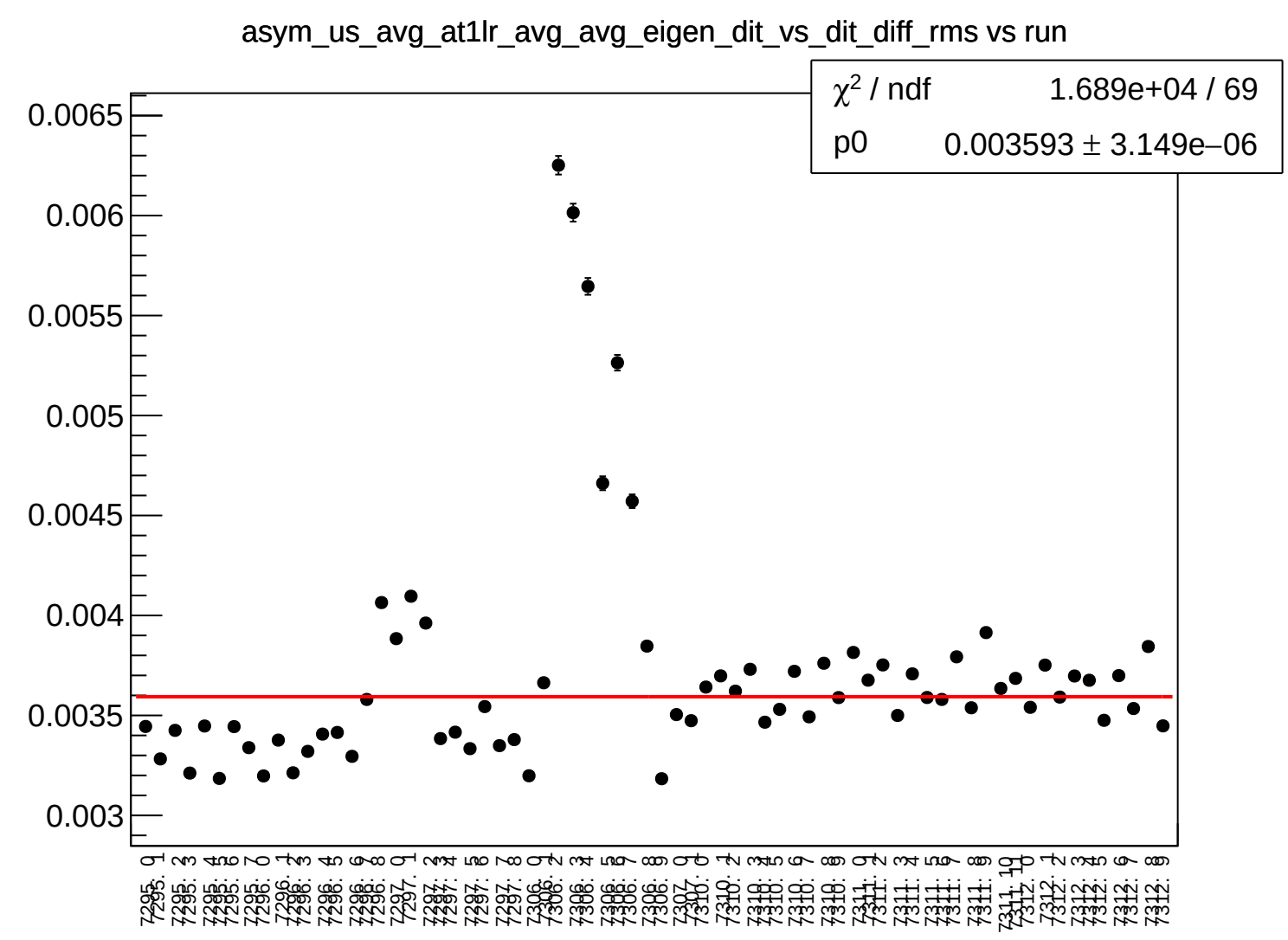

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.27 / 69
p0 −0.007108 ± 0.1478
pull
Entries 70
Mean 70.23
Std Dev 16.16

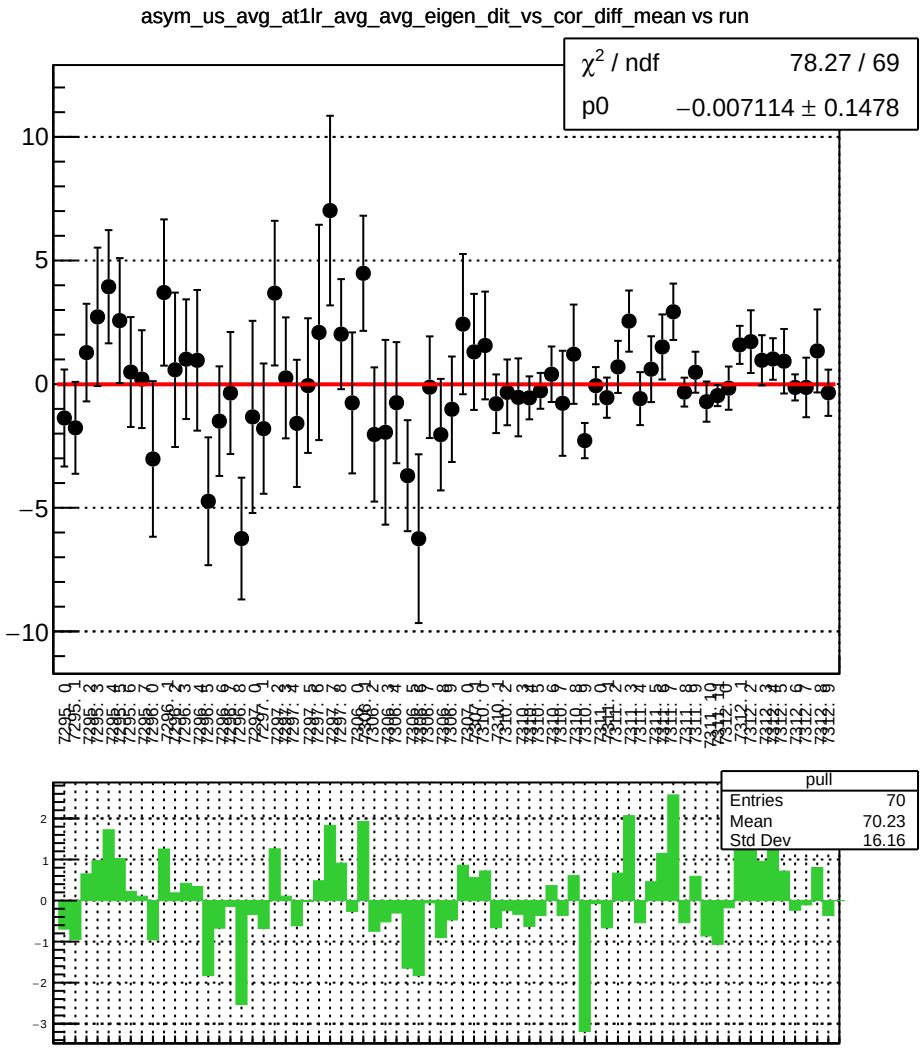

pull1D
Entries 70
Mean 0.06573
Std Dev 1.055

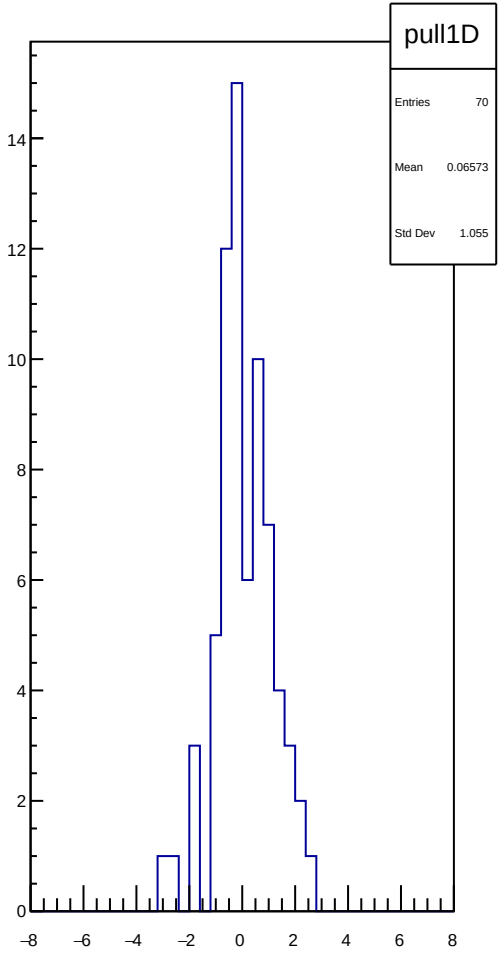

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.606e+05 / 69
p0 102.3 ± 0.1045
450
400
350
300
250
200
150
100
50

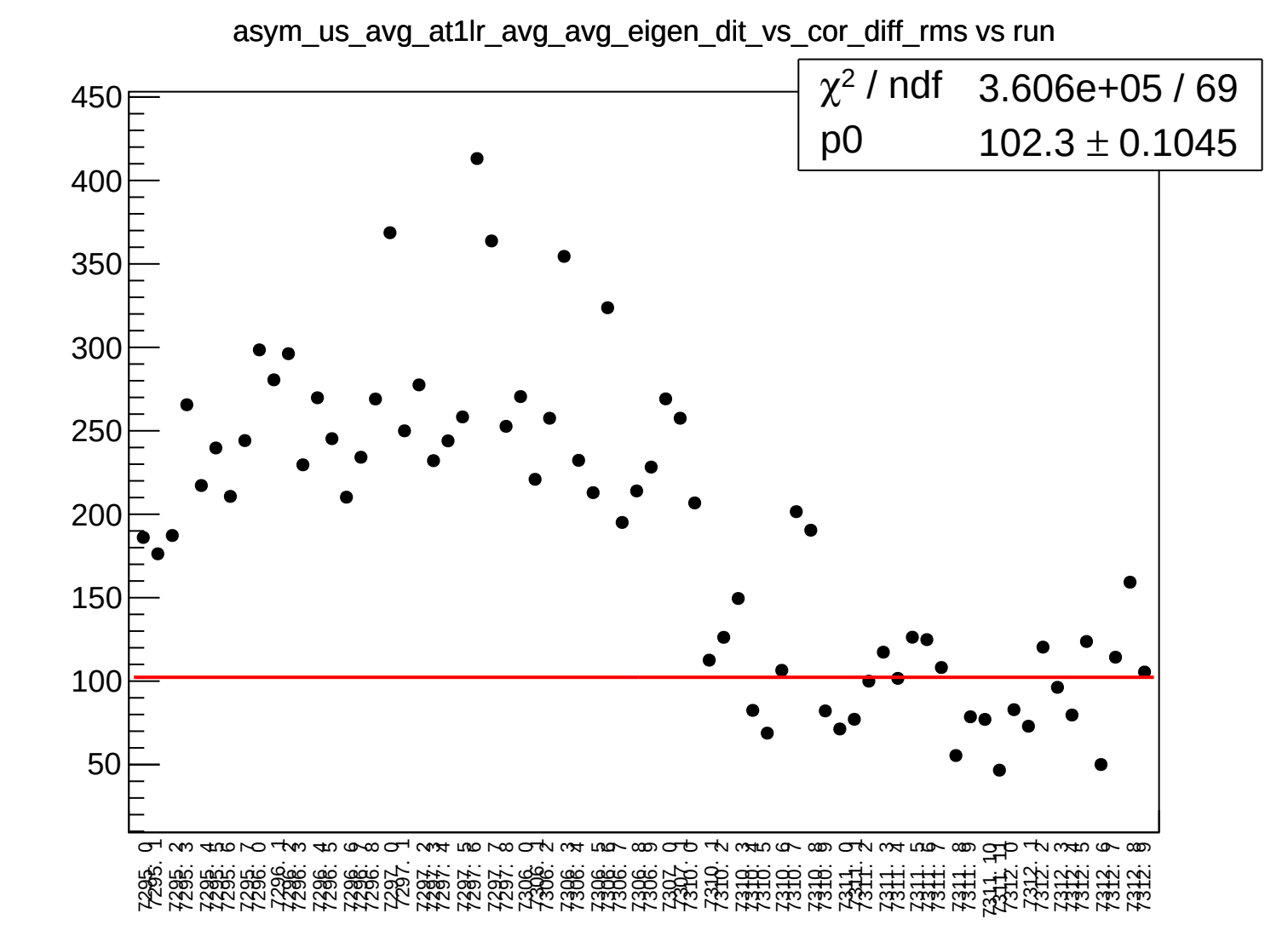

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.51 / 69
p0 −4.366e−06 ± 4.454e−06
pull
Entries 70
Mean 427.5
Std Dev 0

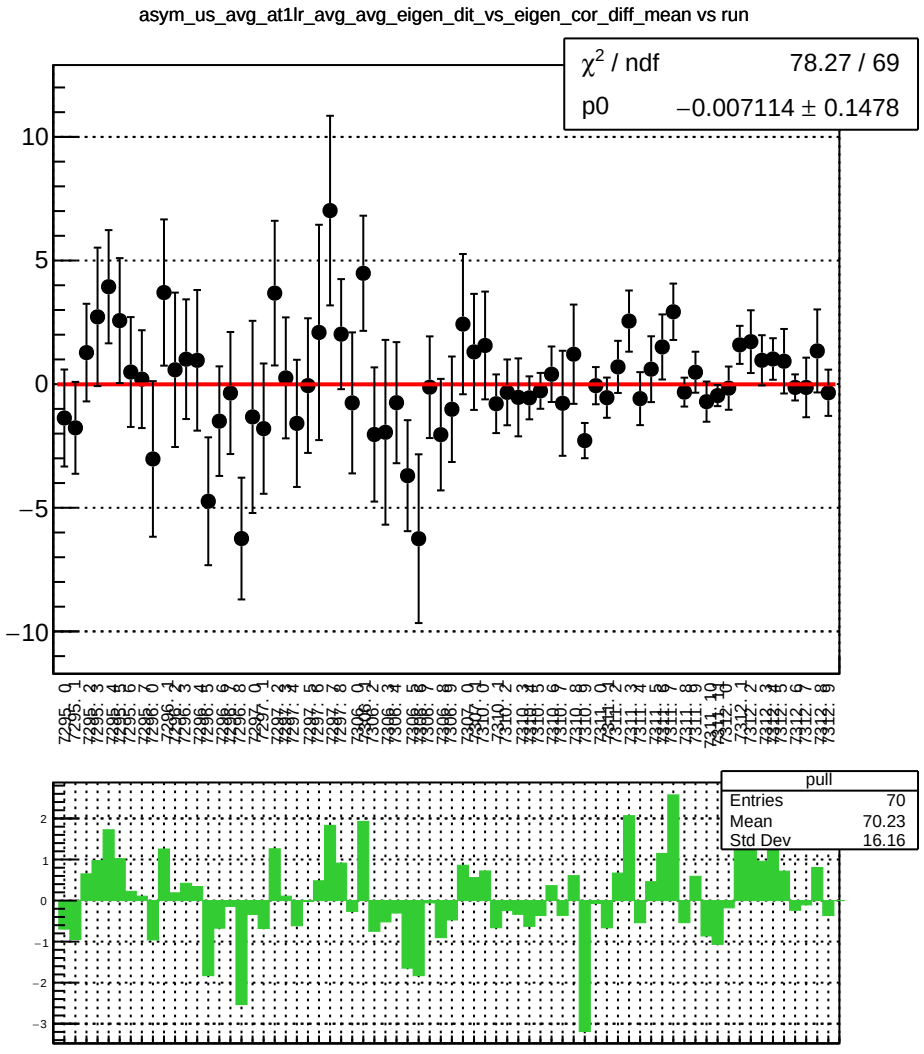

pull1D
Entries 70
Mean −0.006838
Std Dev 0.9892

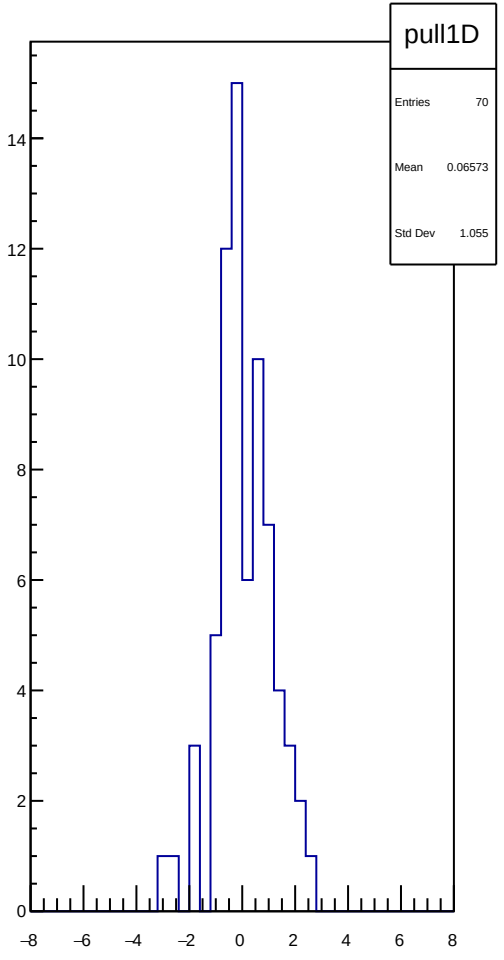

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.689e+04 / 69
p0 0.003593 ± 3.149e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

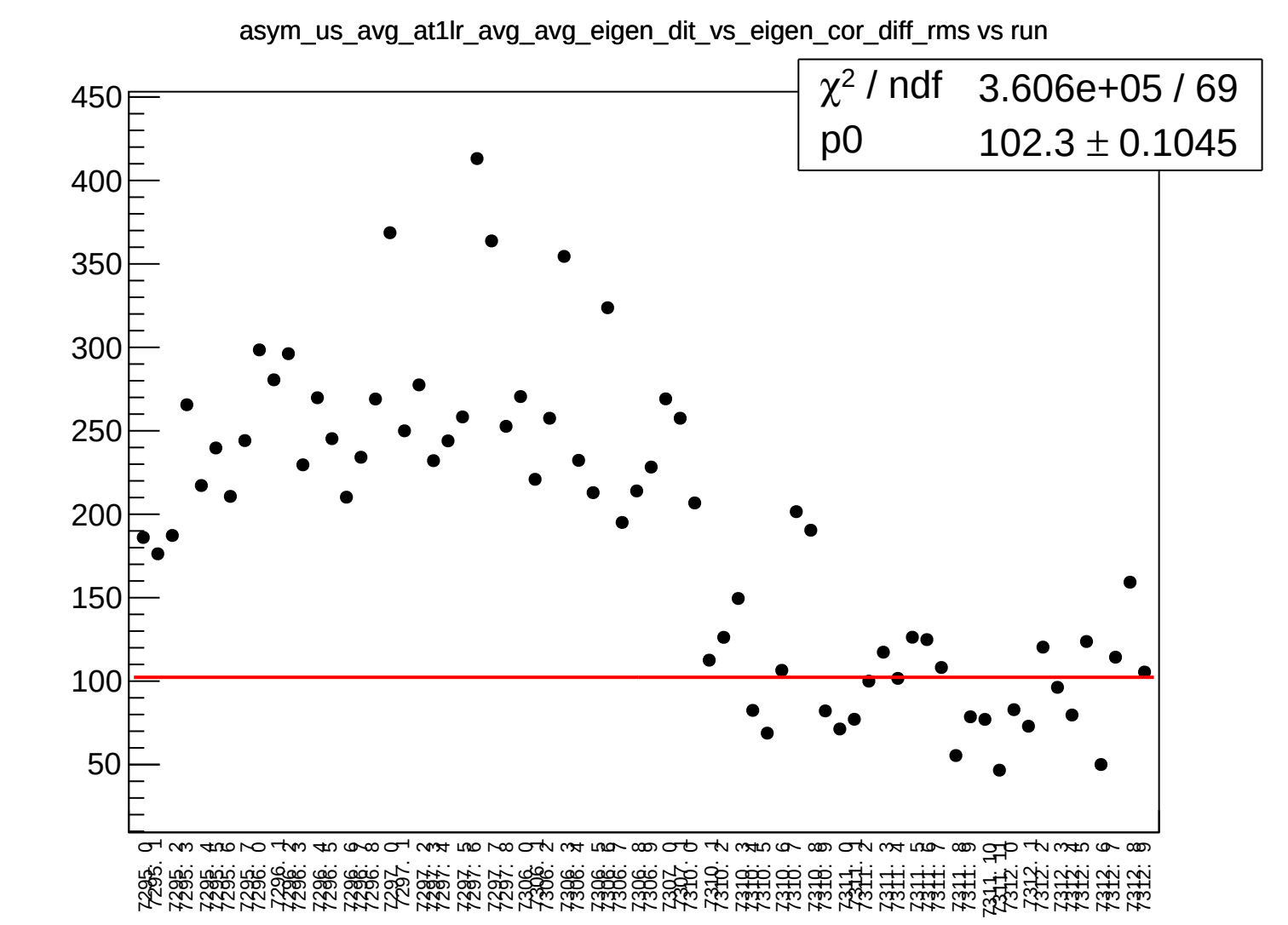

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.27 / 69
p0 −0.007114 ± 0.1478
pull
Entries 70
Mean 70.23
Std Dev 16.16

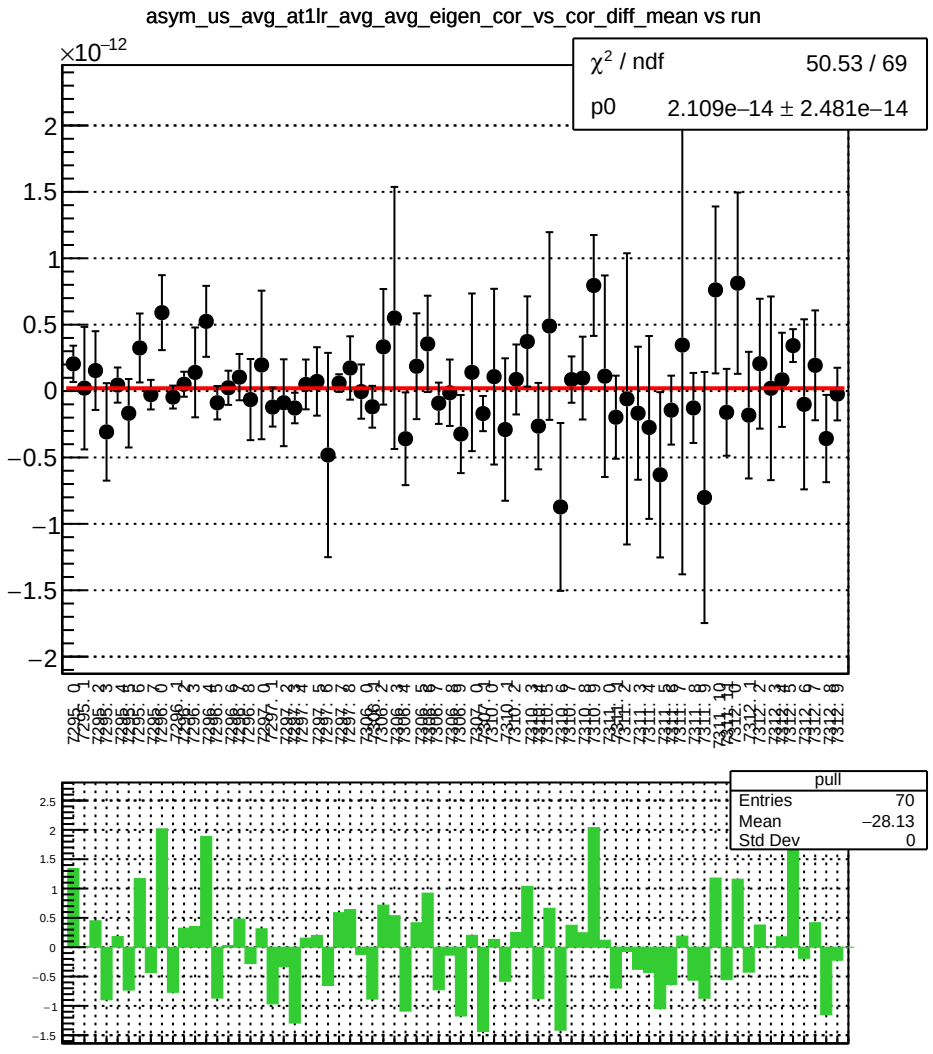

pull1D
Entries 70
Mean 0.06573
Std Dev 1.055

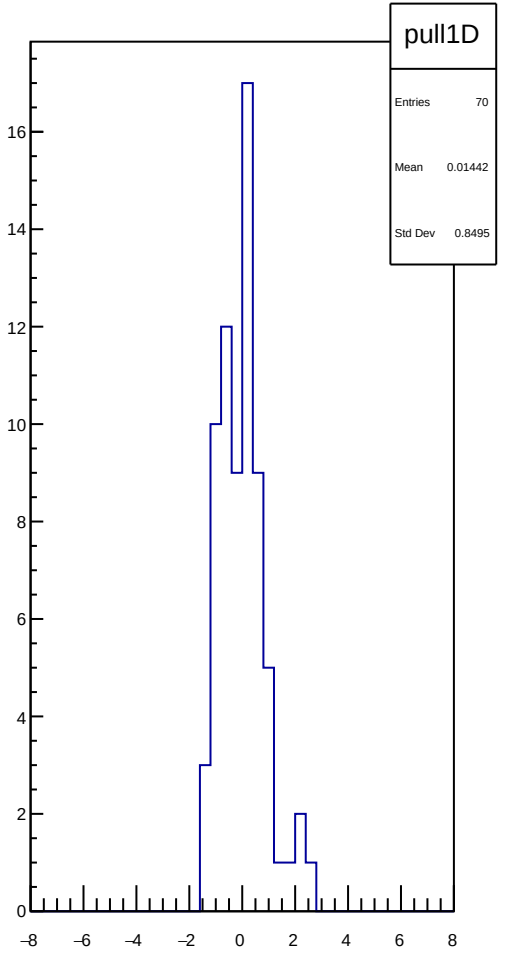

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.606e+05 / 69
p0 102.3 ± 0.1045
450
400
350
300
250
200
150
100
50

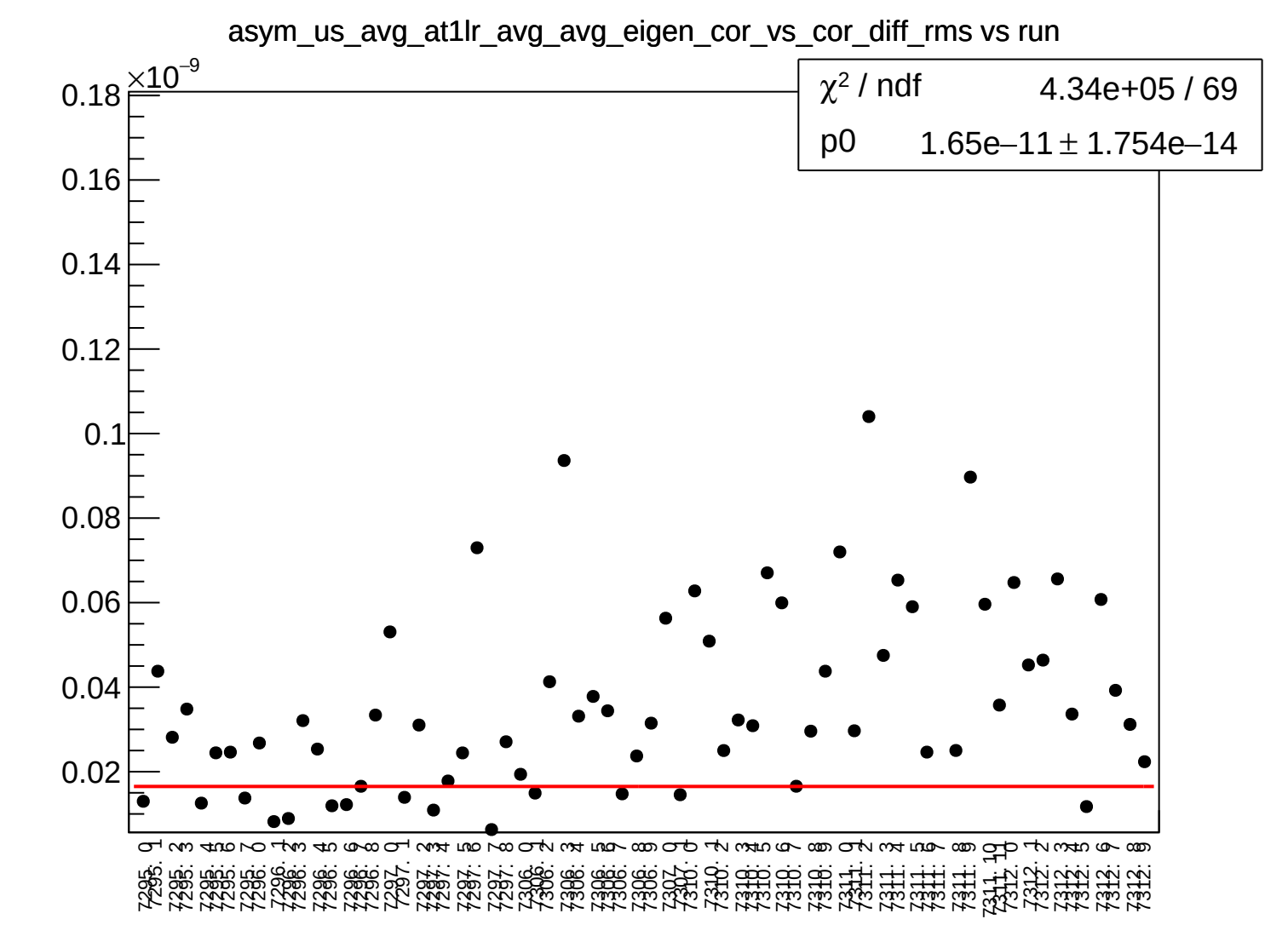

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.27 / 69
p0 −0.007114 ± 0.1478
pull
Entries 70
Mean 70.23
Std Dev 16.16

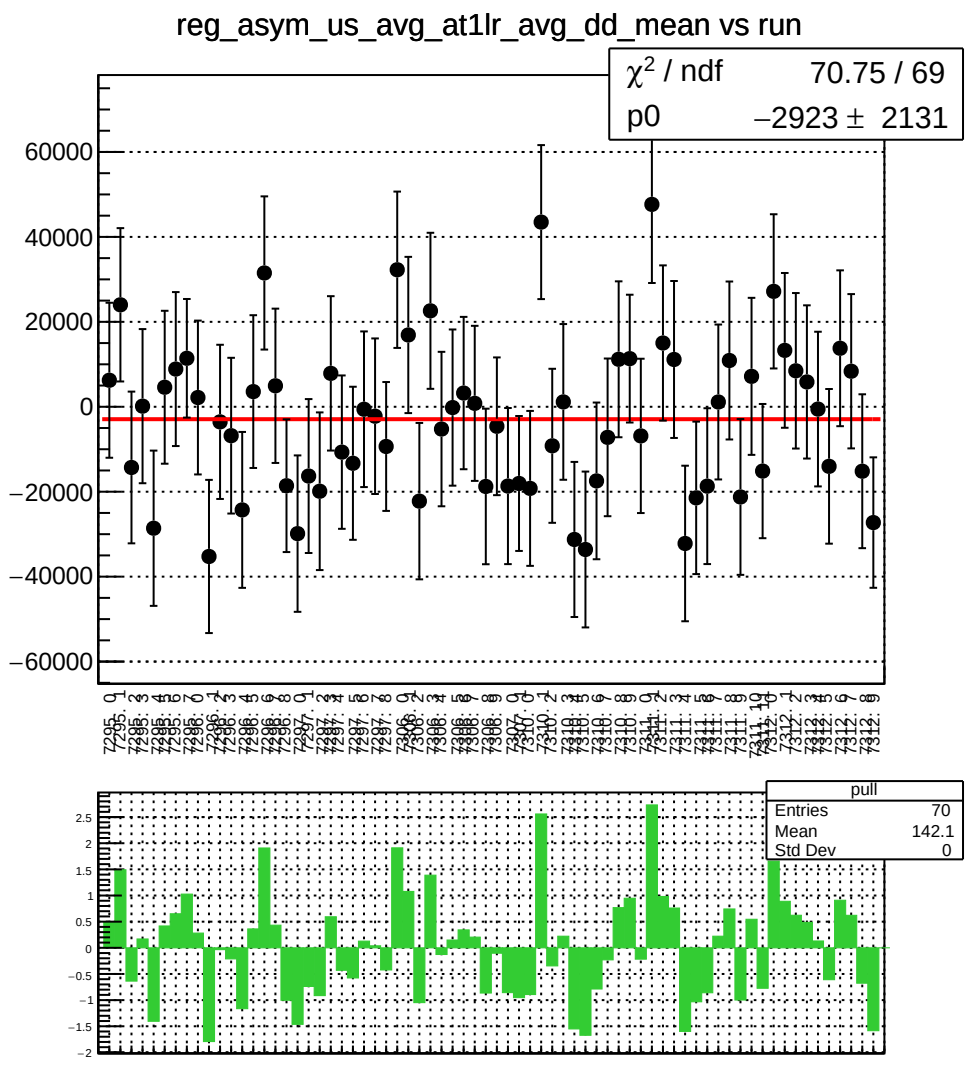

pull1D
Entries 70
Mean 0.06573
Std Dev 1.055

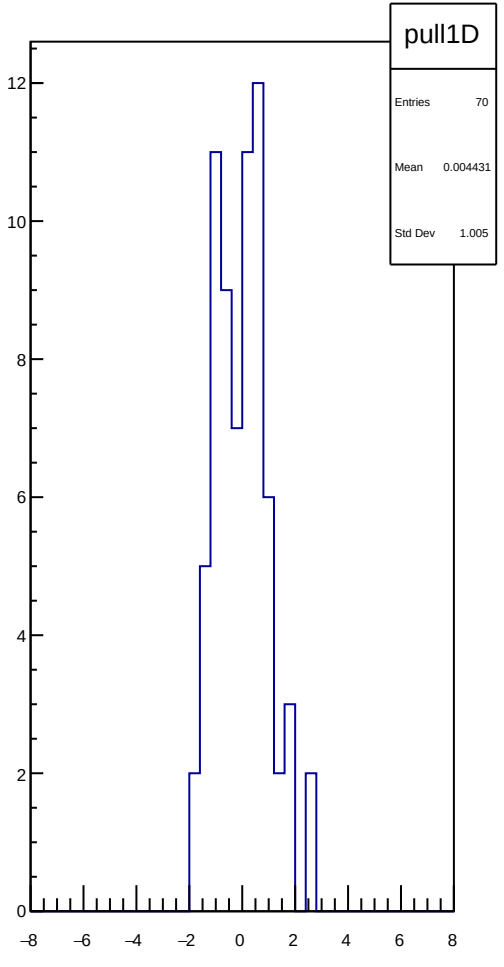

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.606e+05 / 69
p0 102.3 ± 0.1045
450
400
350
300
250
200
150
100
50

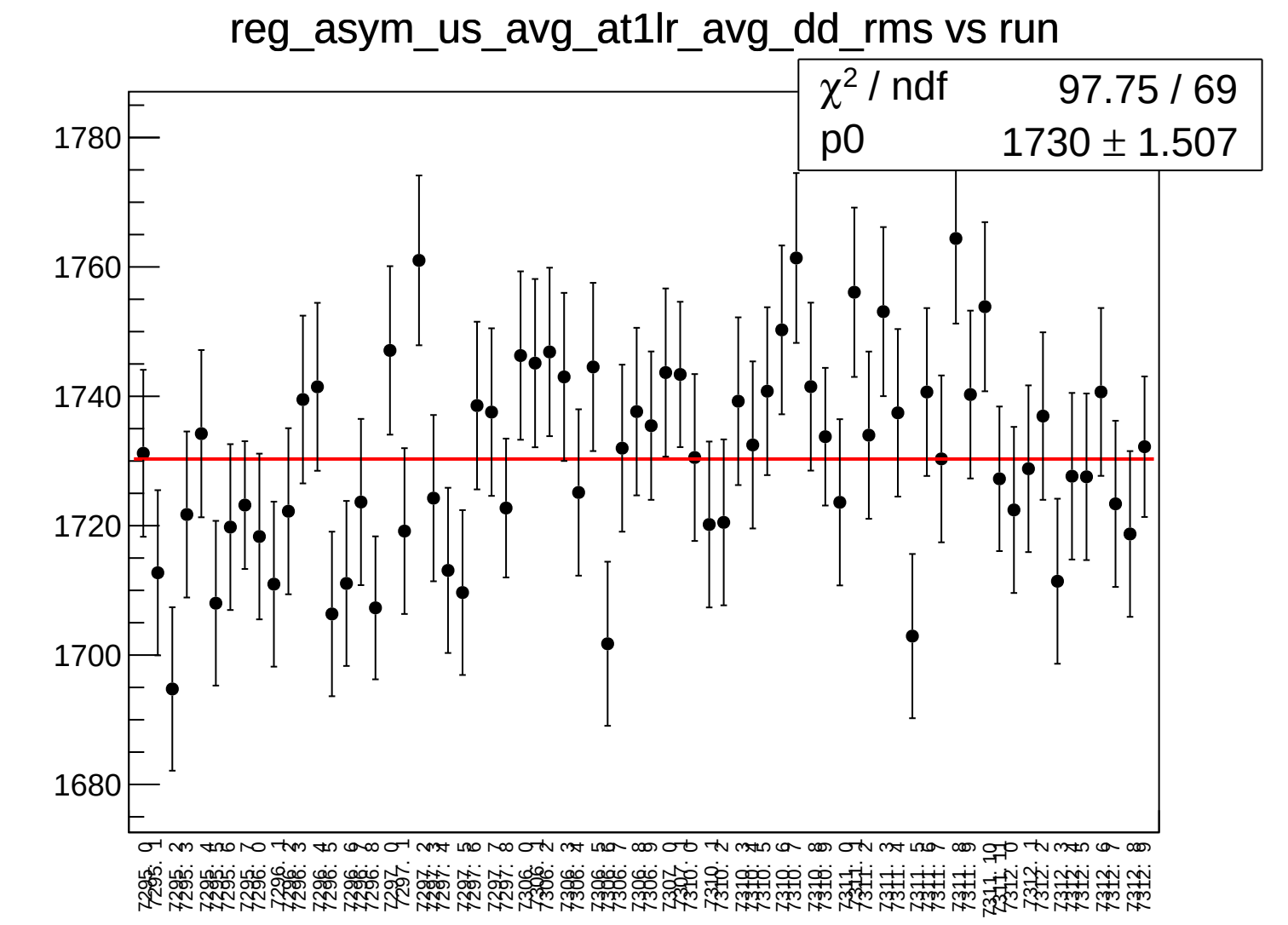

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.53 / 69
p0 2.109e−14 ± 2.481e−14
pull
Entries 70
Mean −28.13
Std Dev 0

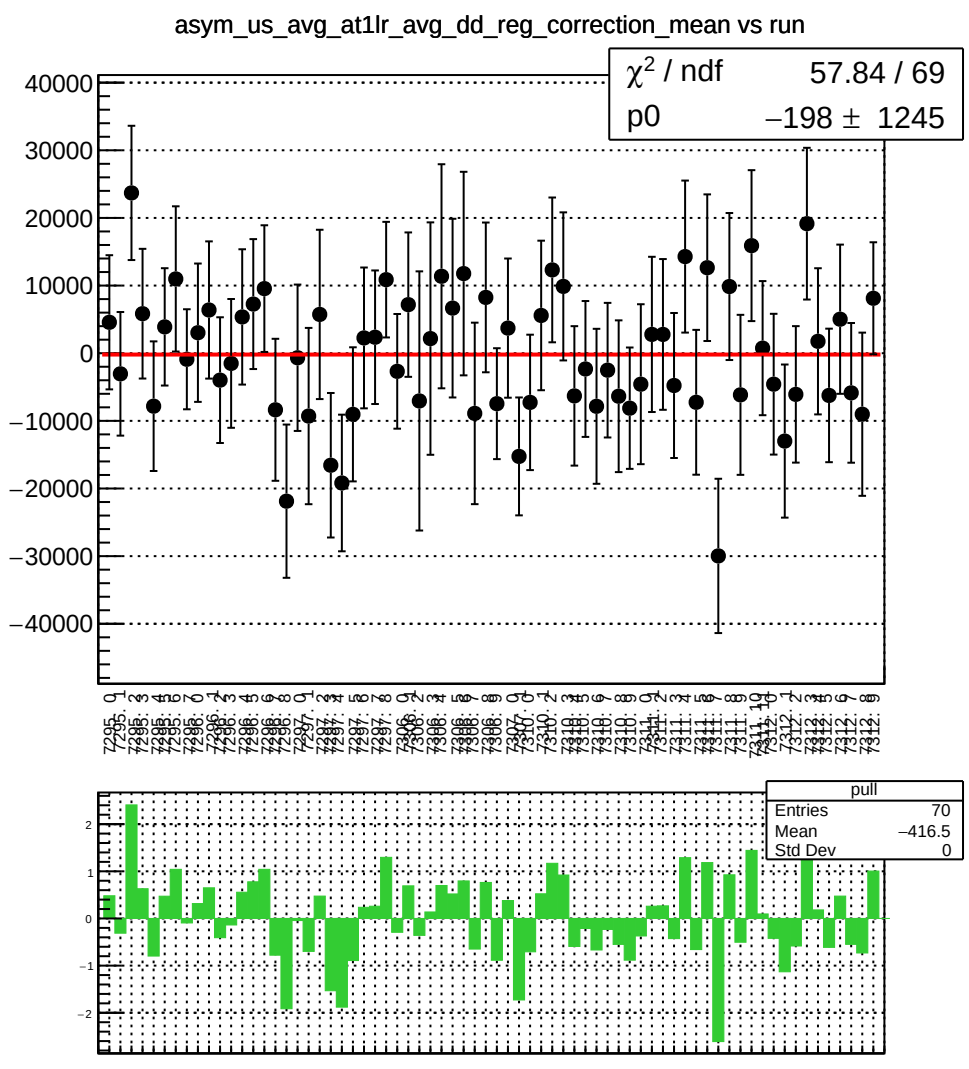

pull1D
Entries 70
Mean 0.01442
Std Dev 0.8495

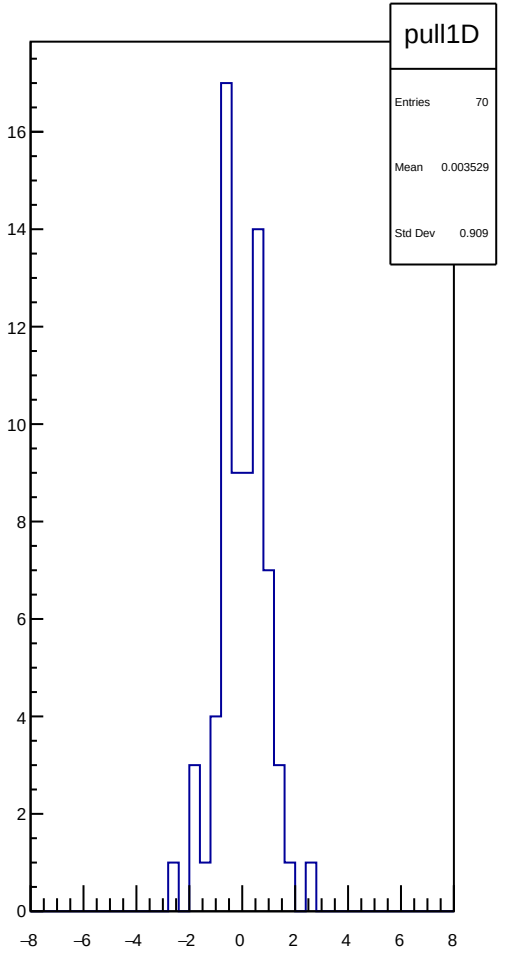

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 4.34e+05 / 69
p0 1.65e−11 ± 1.754e−14

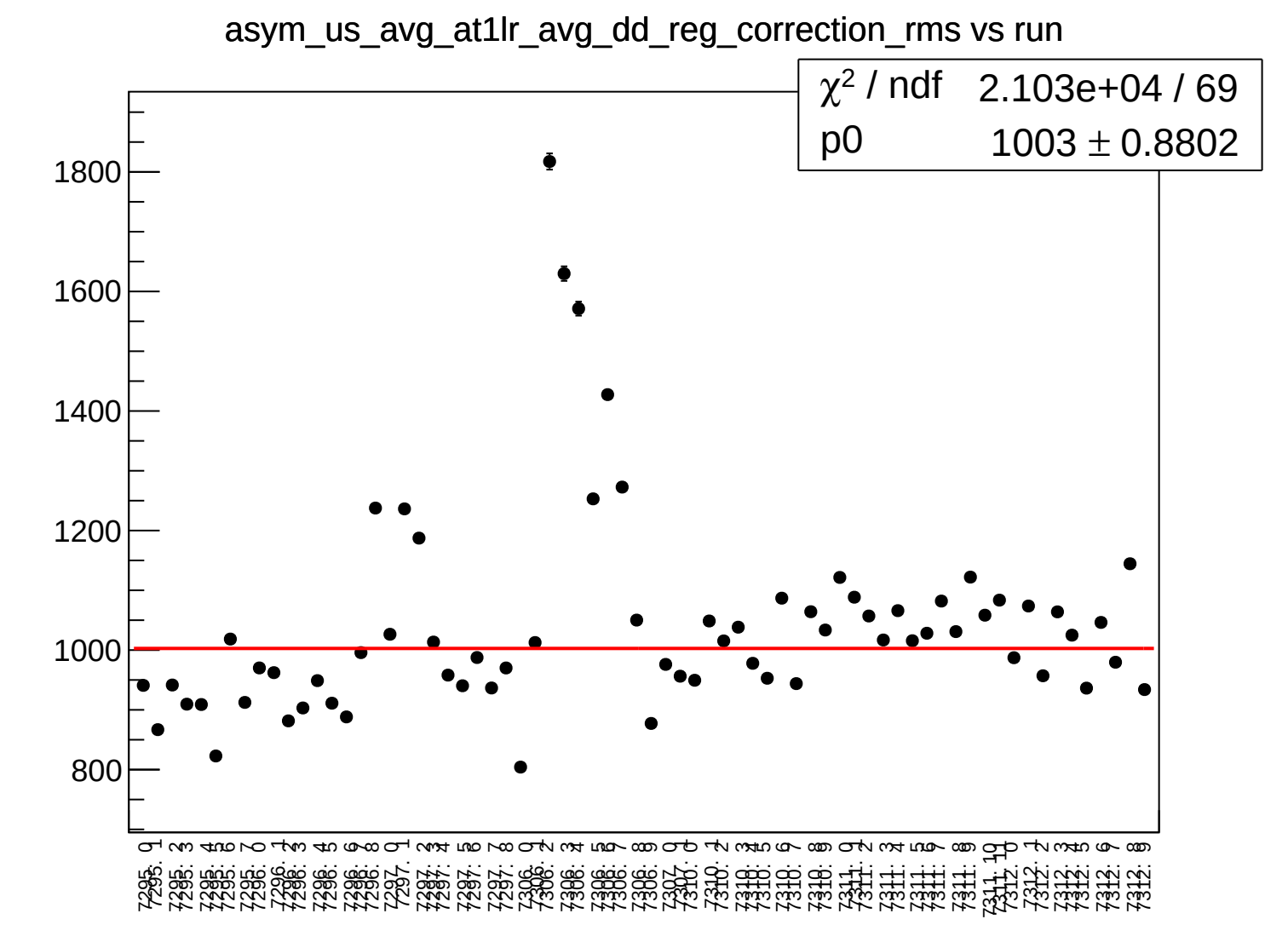

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 70.75 / 69
p0 −2923 ± 2131
pull
Entries 70
Mean 142.1
Std Dev 0

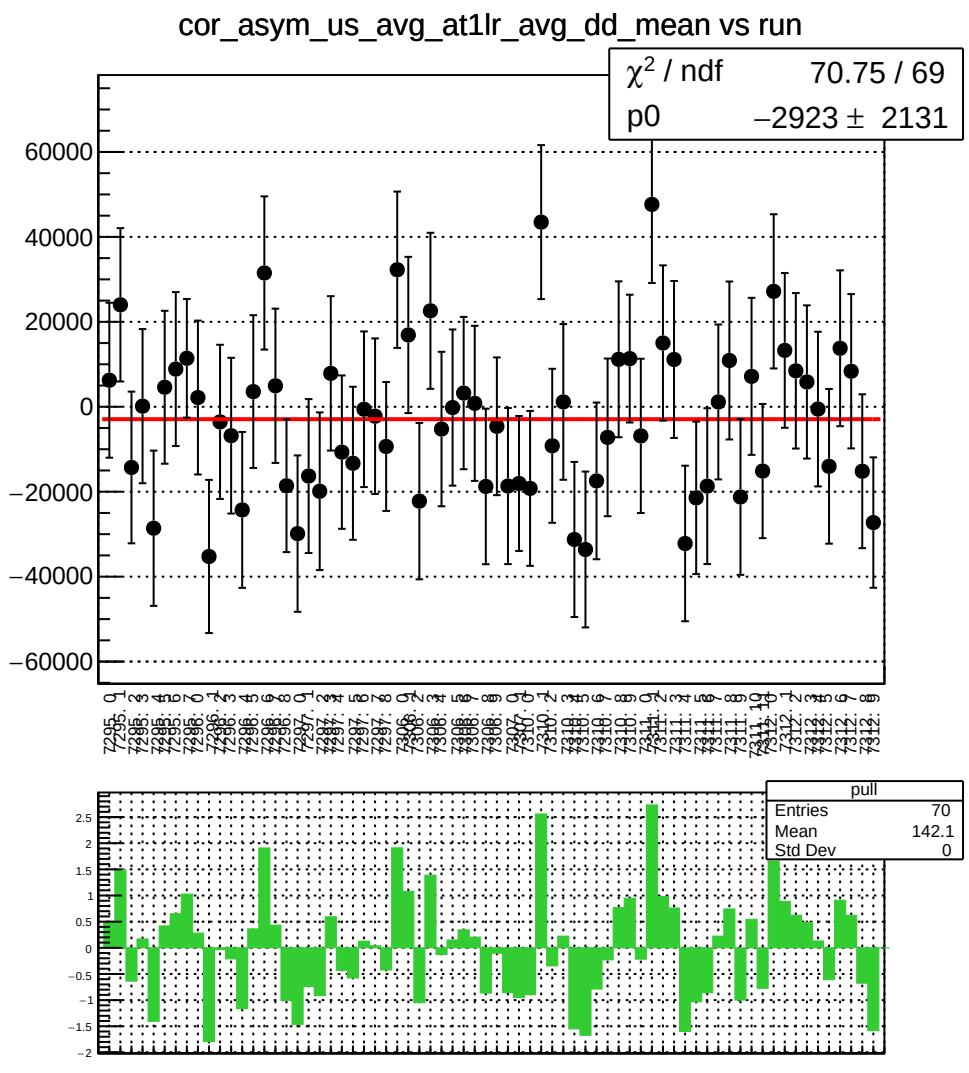

pull1D
Entries 70
Mean 0.004431
Std Dev 1.005

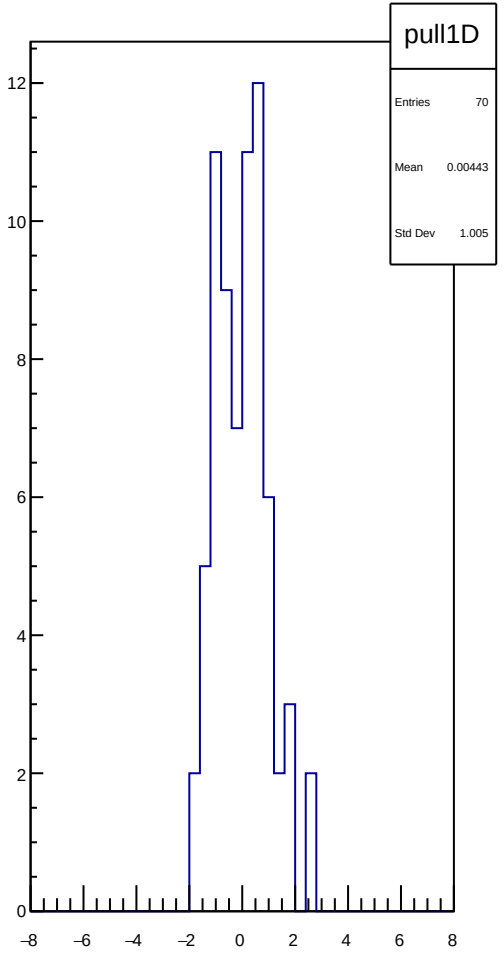

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 97.75 / 69
p0 1730 ± 1.507
1780
1760
1740
1720
1700
1680

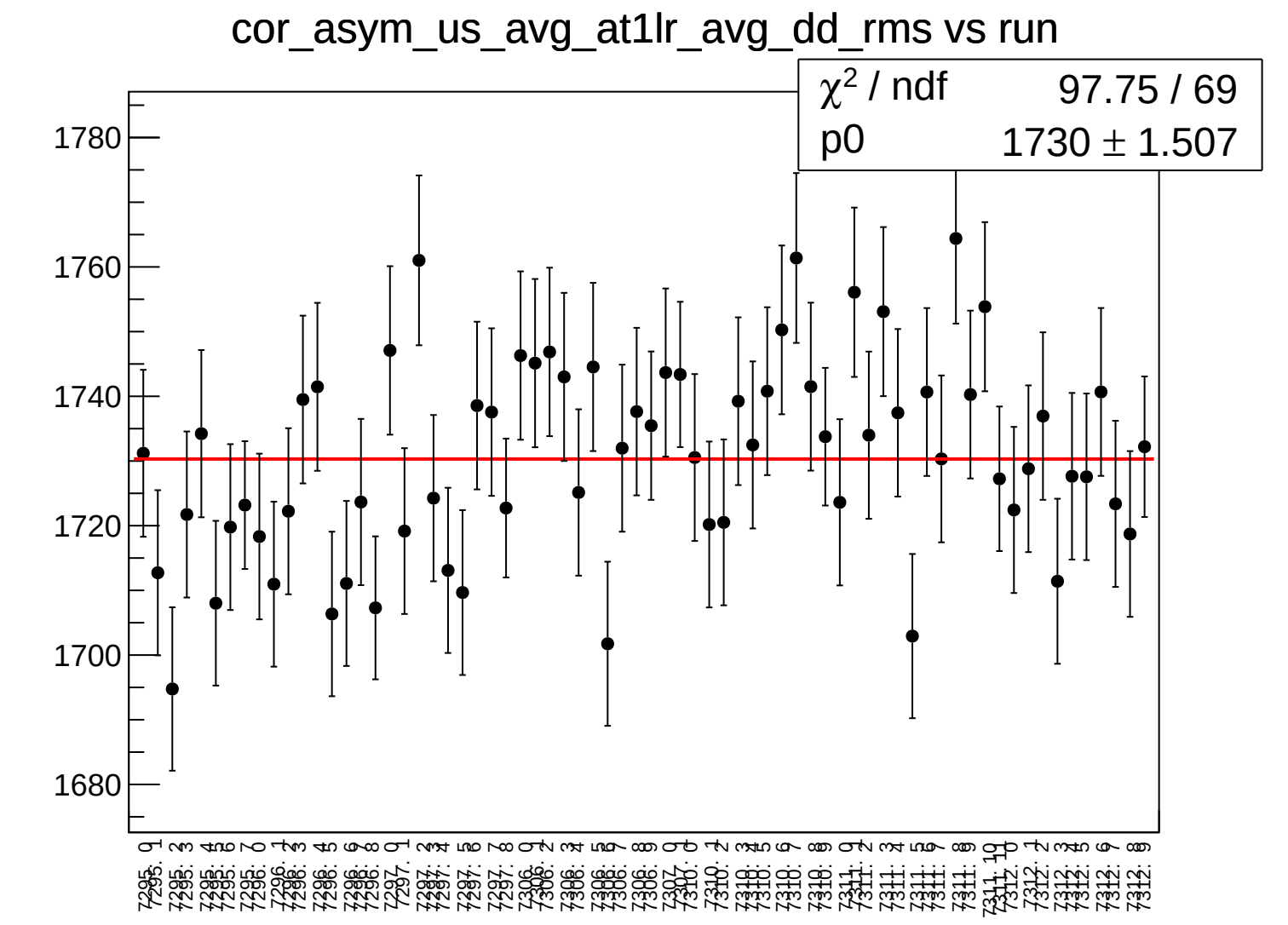

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 57.84 / 69
p0 −198 ± 1245
pull
Entries 70
Mean −416.5
Std Dev 0

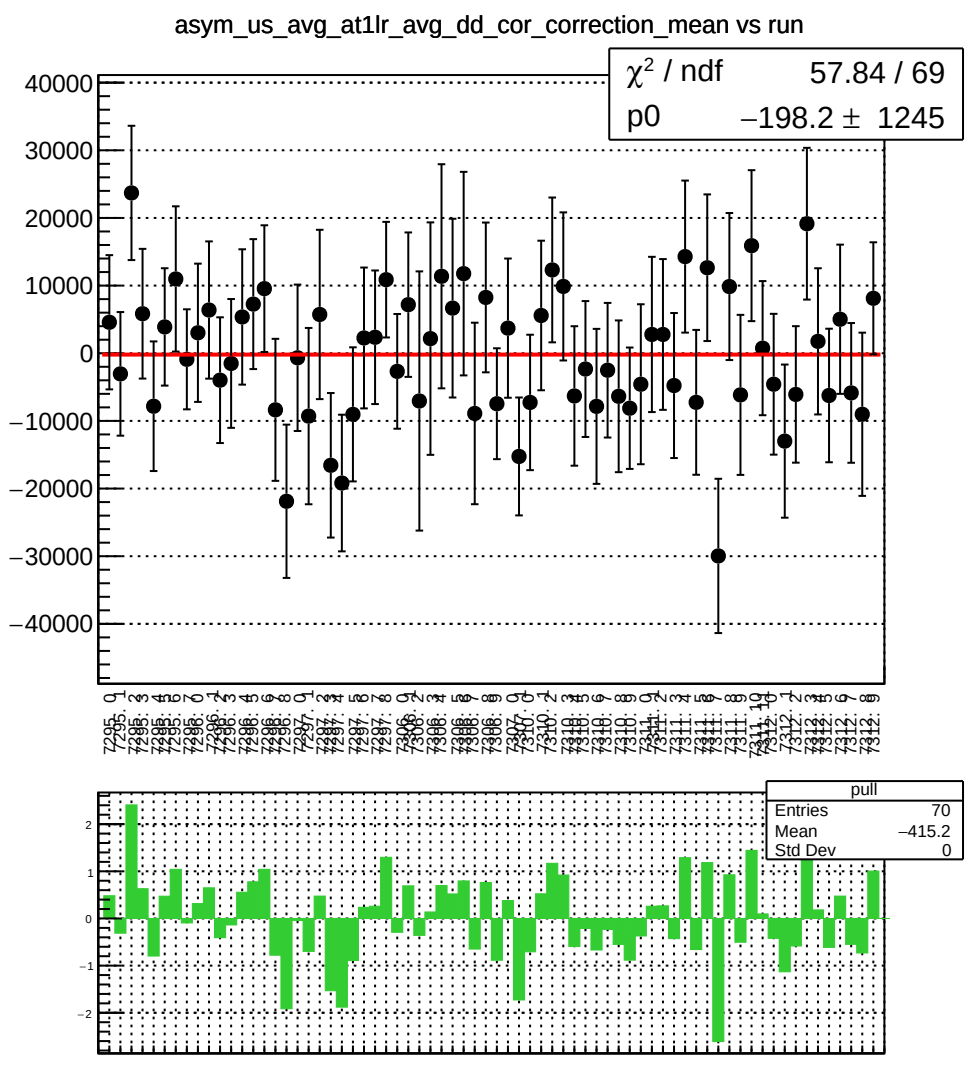

pull1D
Entries 70
Mean 0.003529
Std Dev 0.909

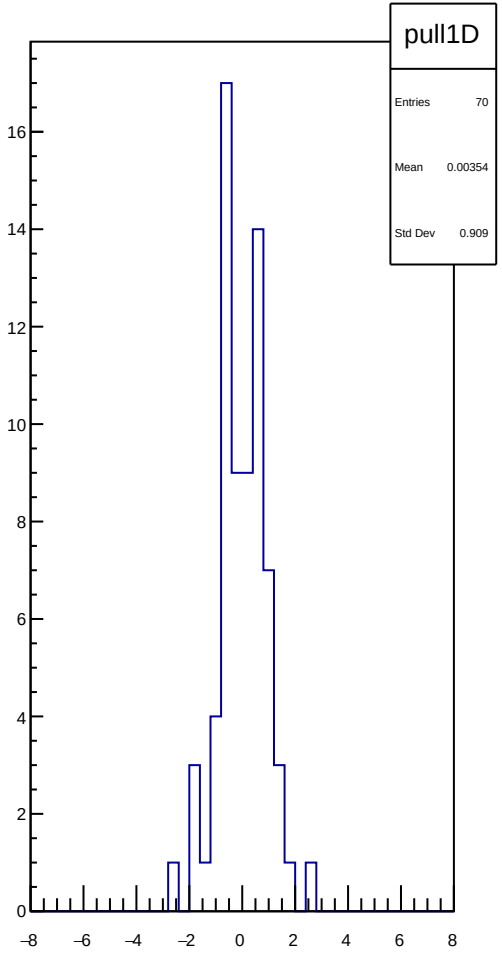

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.103e+04 / 69
p0 1003 ± 0.8802
1800
1600
1400
1200
1000
800

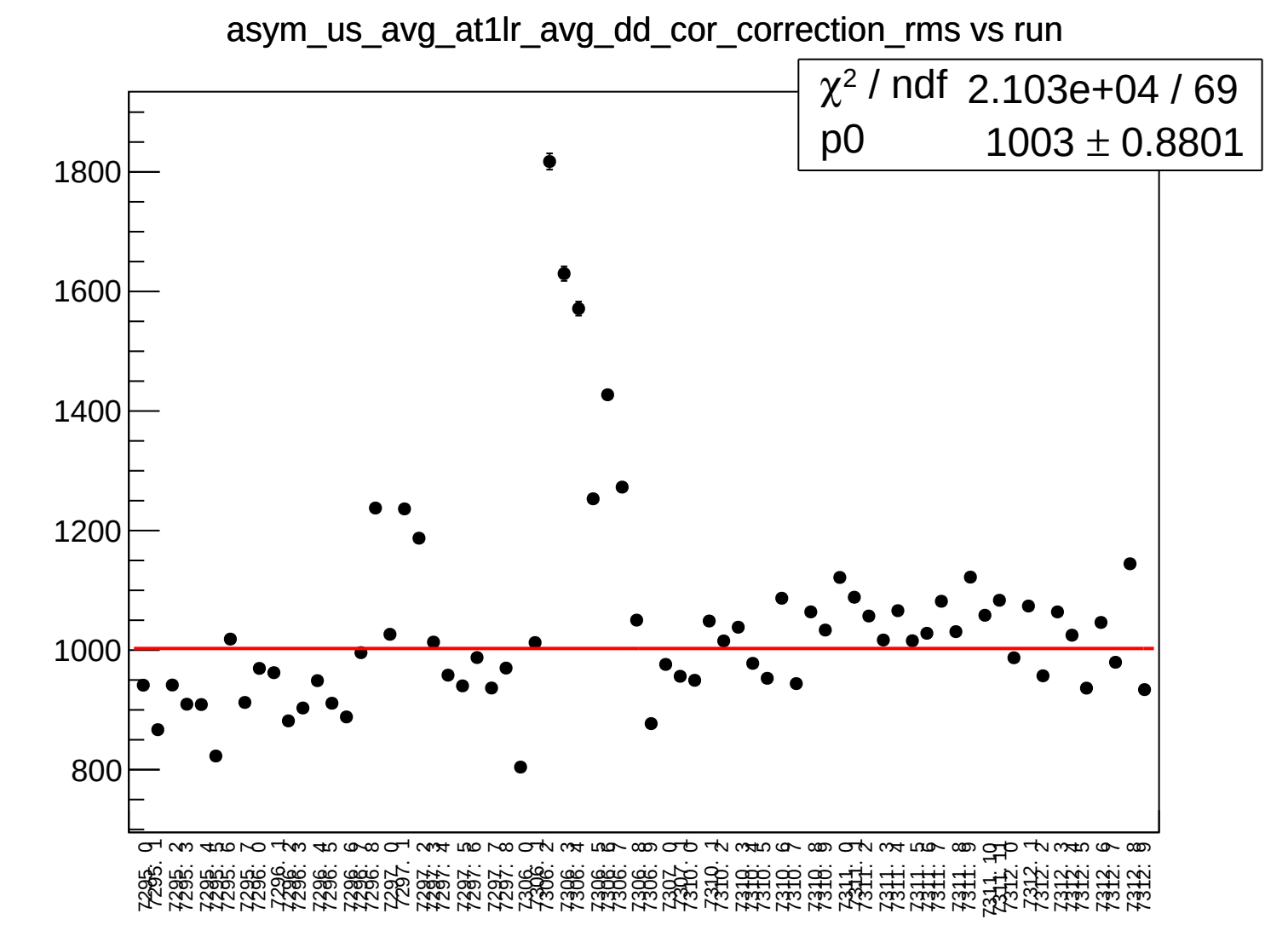

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 70.75 / 69
p0 −2923 ± 2131
pull
Entries 70
Mean 142.1
Std Dev 0

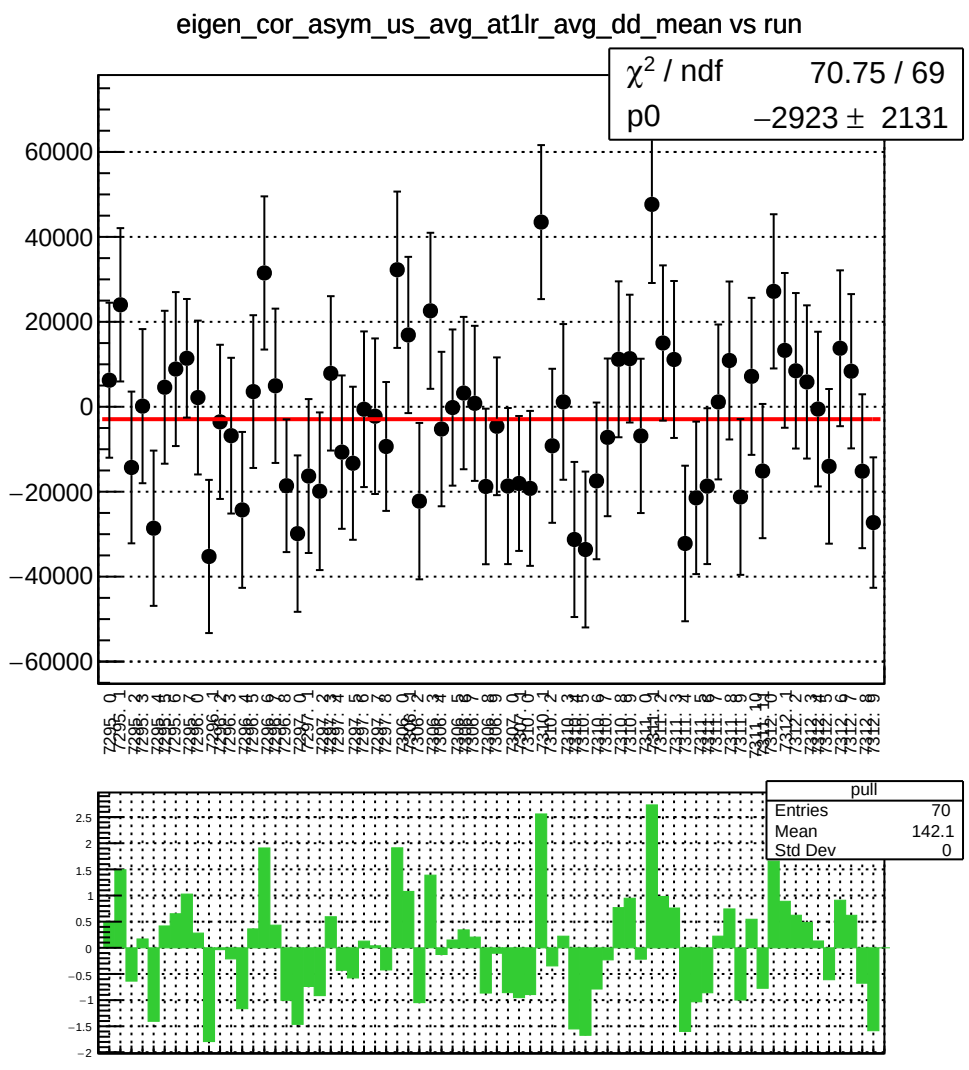

pull1D
Entries 70
Mean 0.00443
Std Dev 1.005

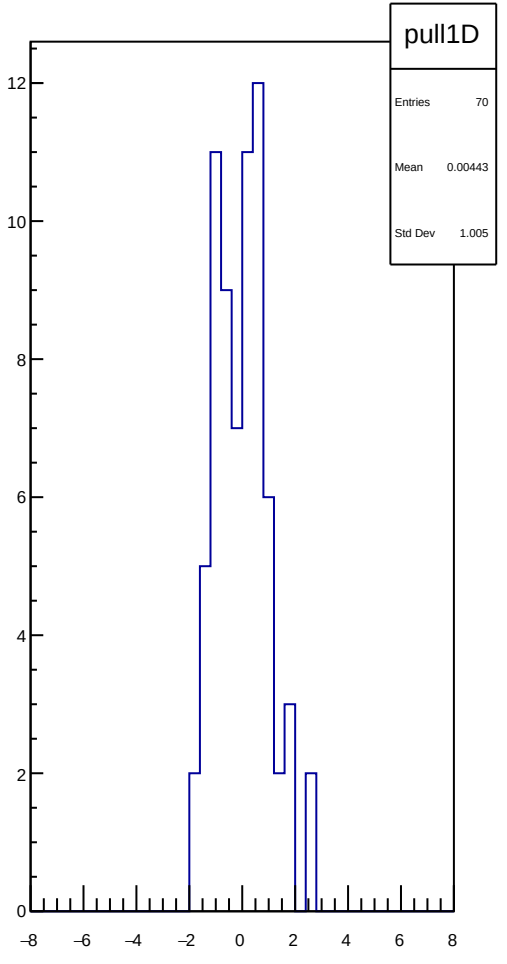

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 97.75 / 69
p0 1730 ± 1.507
1780
1760
1740
1720
1700
1680

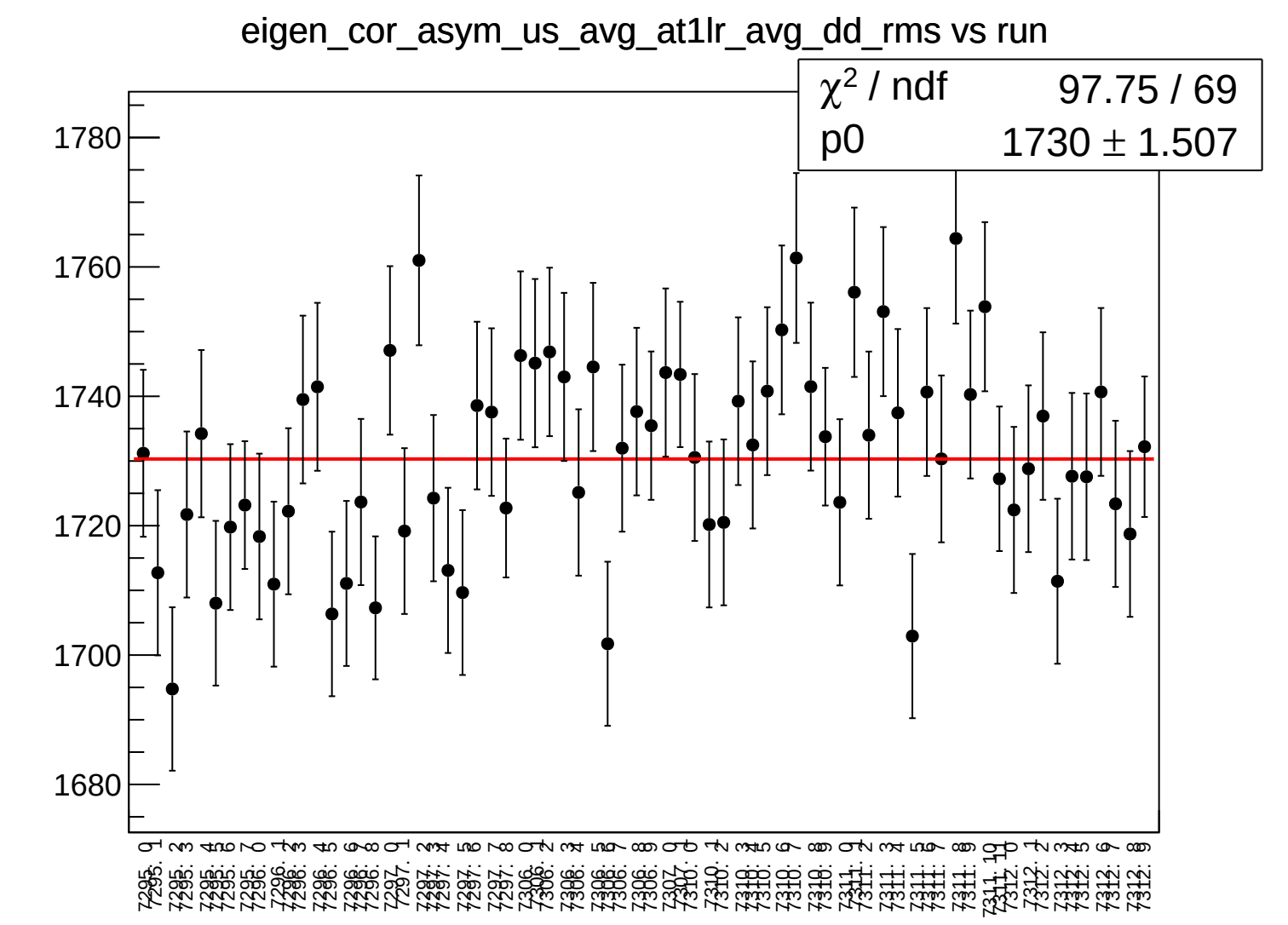

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 57.84 / 69
p0 −198.2 ± 1245
pull
Entries 70
Mean −415.2
Std Dev 0

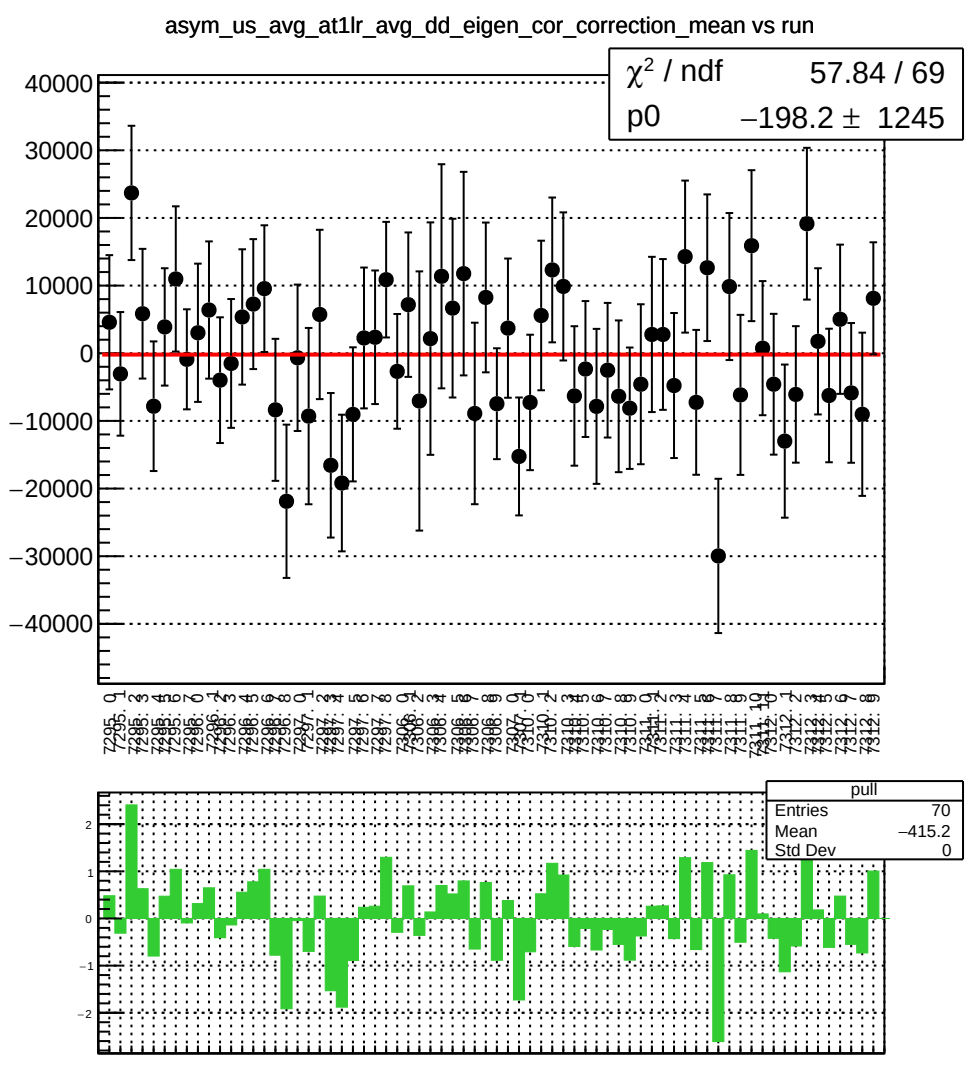

pull1D
Entries 70
Mean 0.00354
Std Dev 0.909

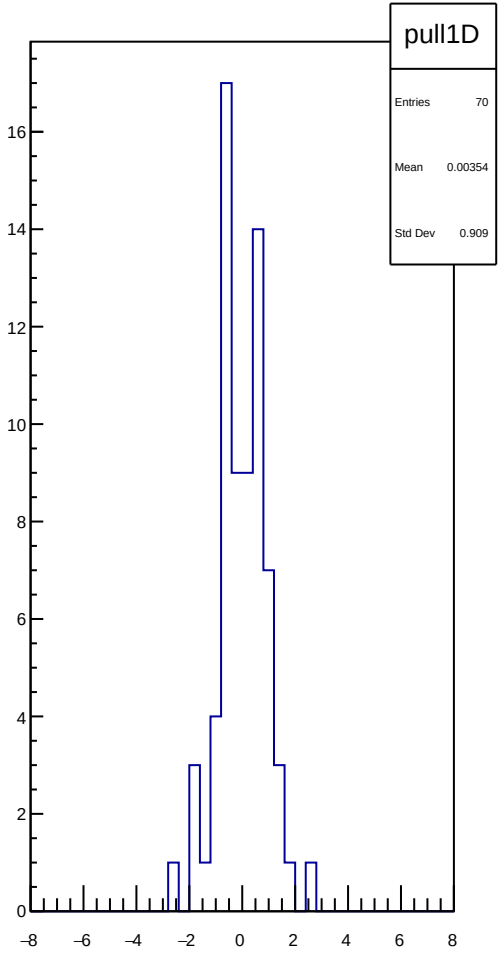

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.103e+04 / 69
p0 1003 ± 0.8801
1800
1600
1400
1200
1000
800

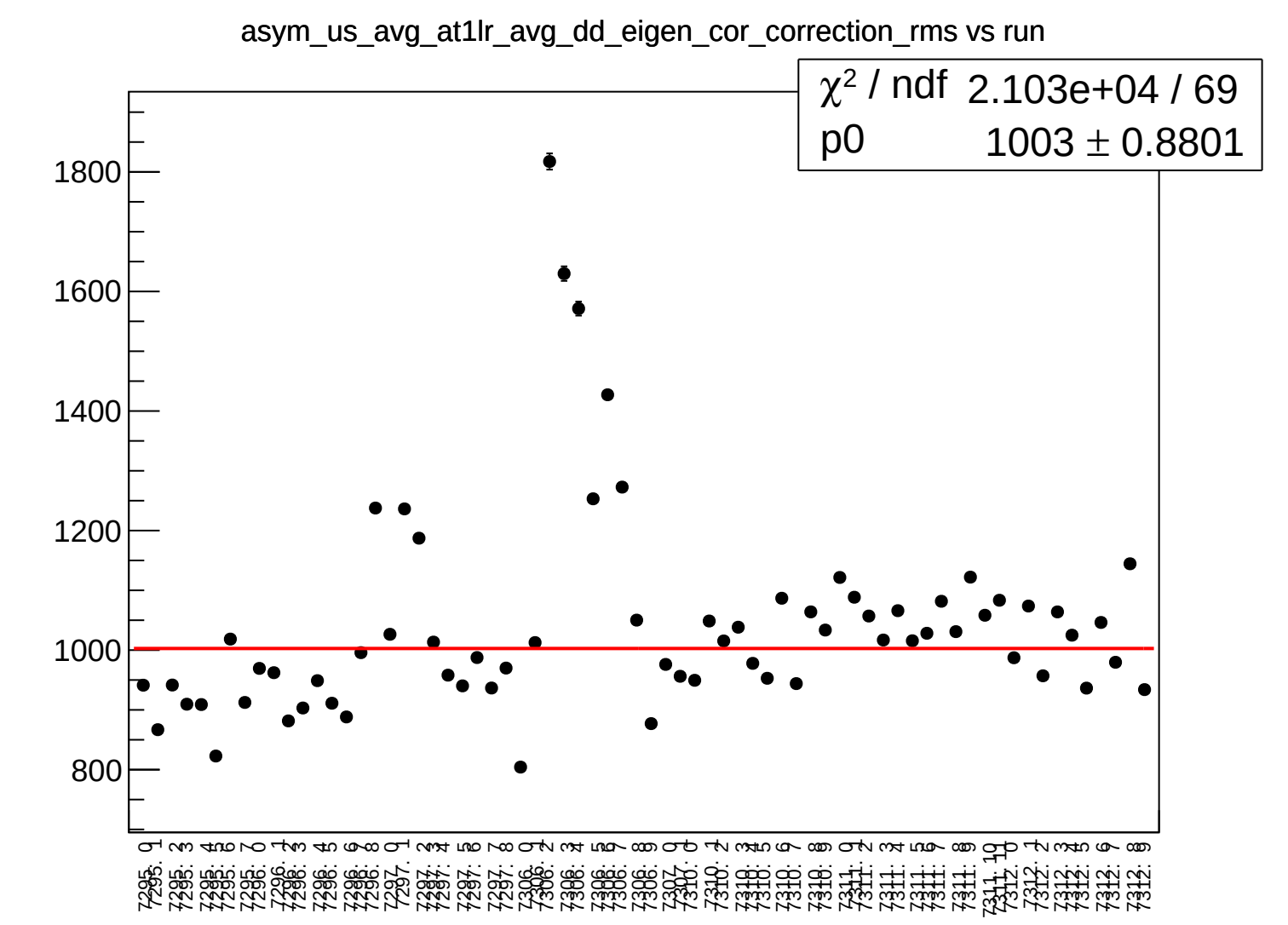

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 70.75 / 69
p0 −2923 ± 2131
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 142.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

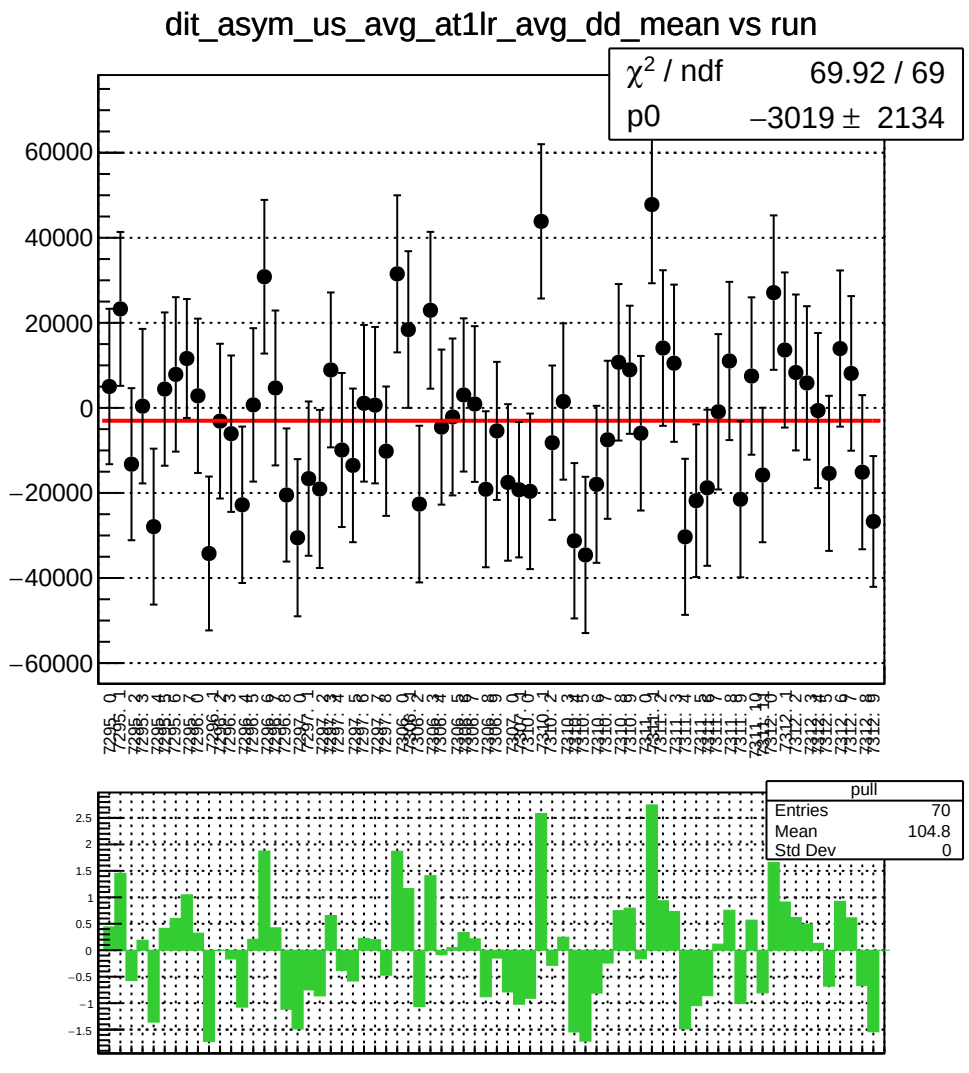

pull1D
Entries 70
Mean 0.00443
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

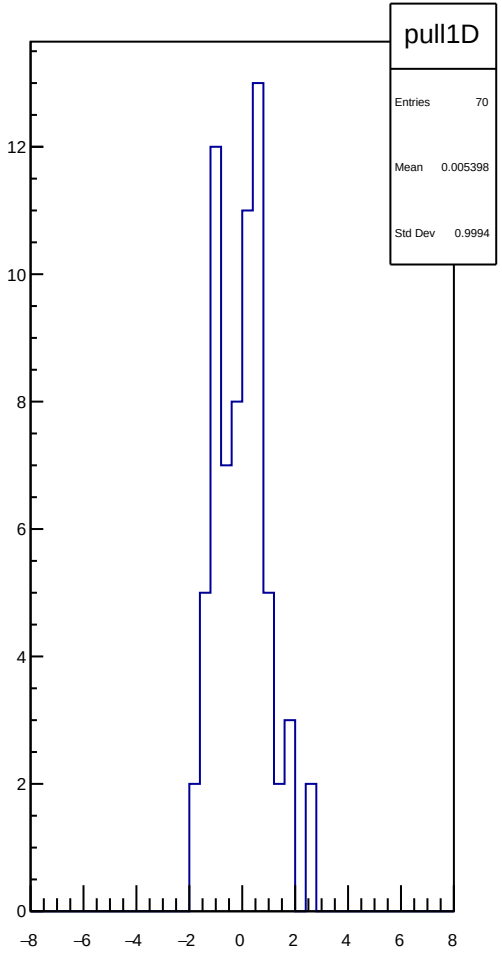

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.75 / 69
p0 1730 ± 1.507
1780
1760
1740
1720
1700
1680

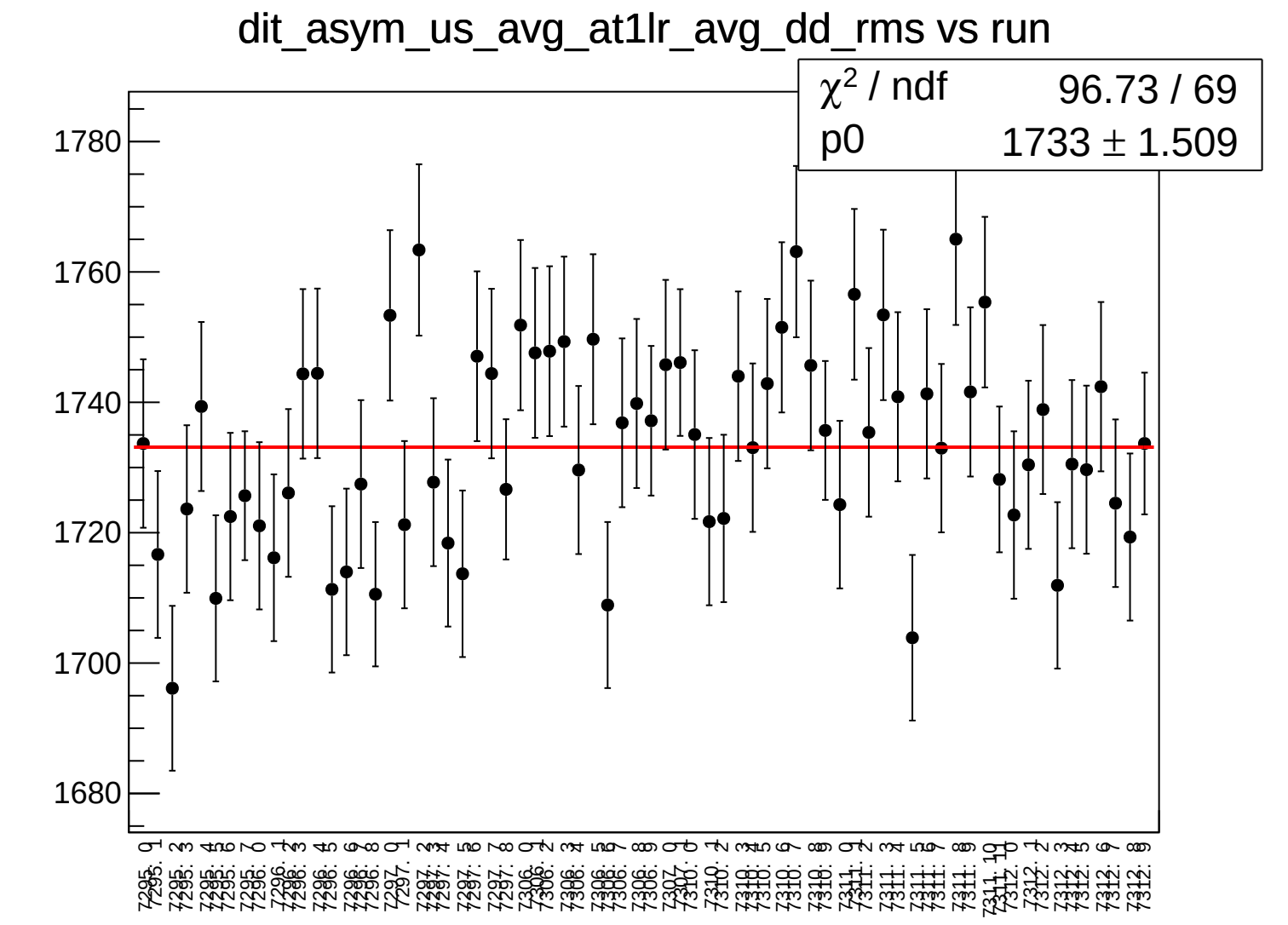

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.84 / 69
p0 −198.2 ± 1245
pull
Entries 70
Mean −415.2
Std Dev 0

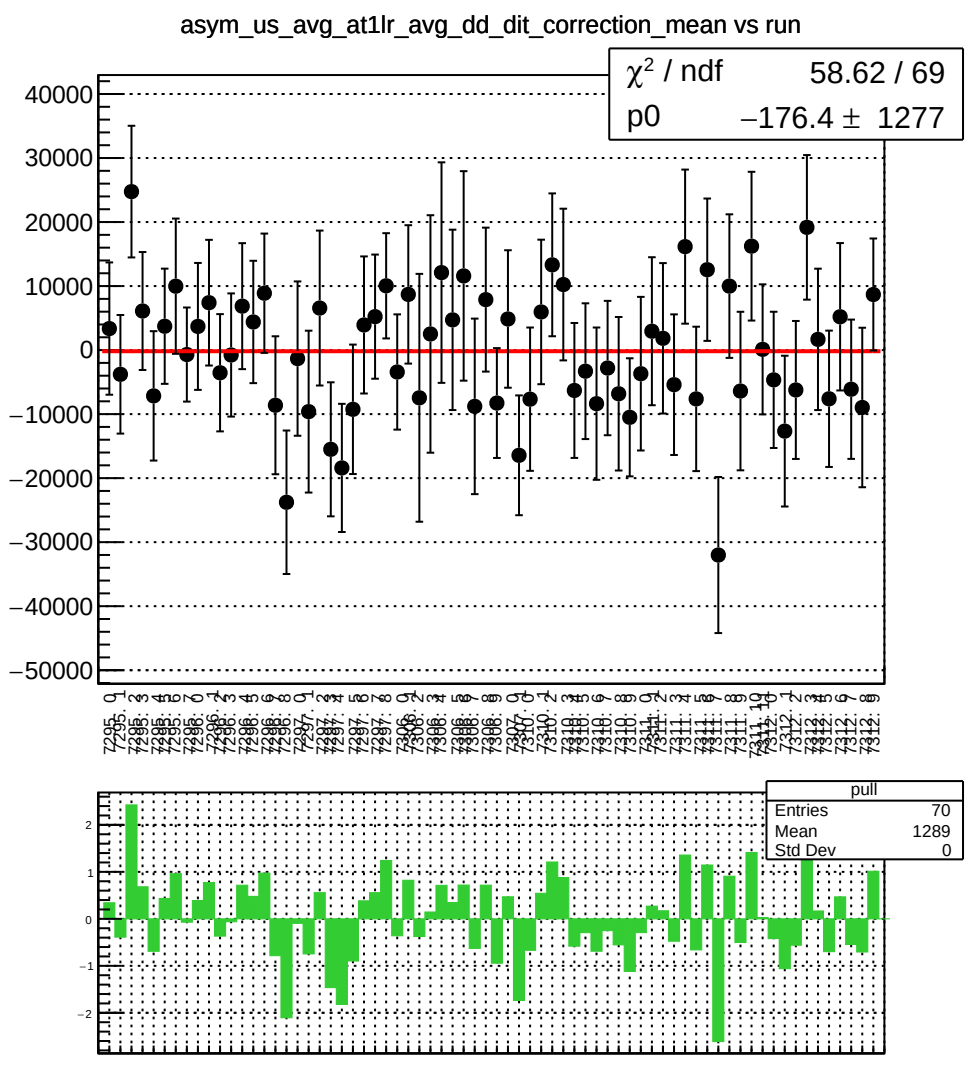

pull1D
Entries 70
Mean 0.00354
Std Dev 0.909

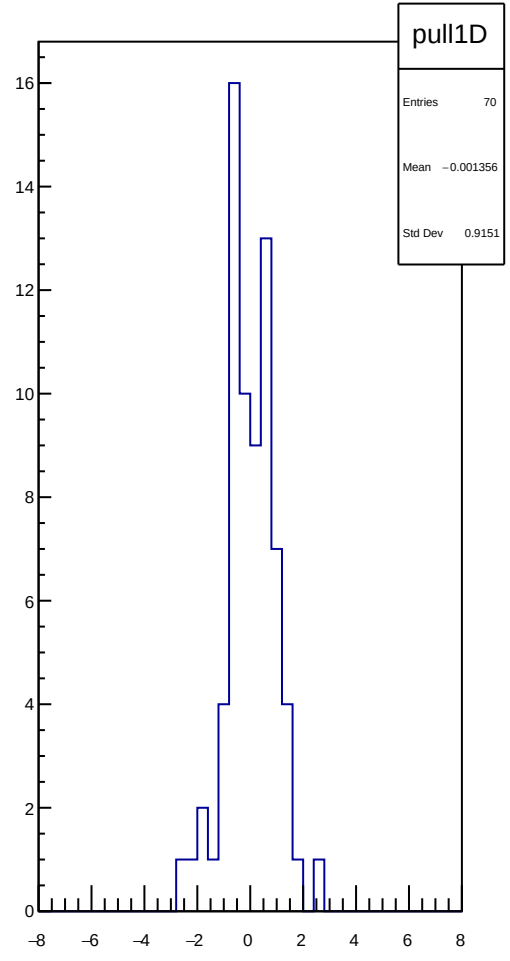

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.103e+04 / 69
p0 1003 ± 0.8801
1800
1600
1400
1200
1000
800

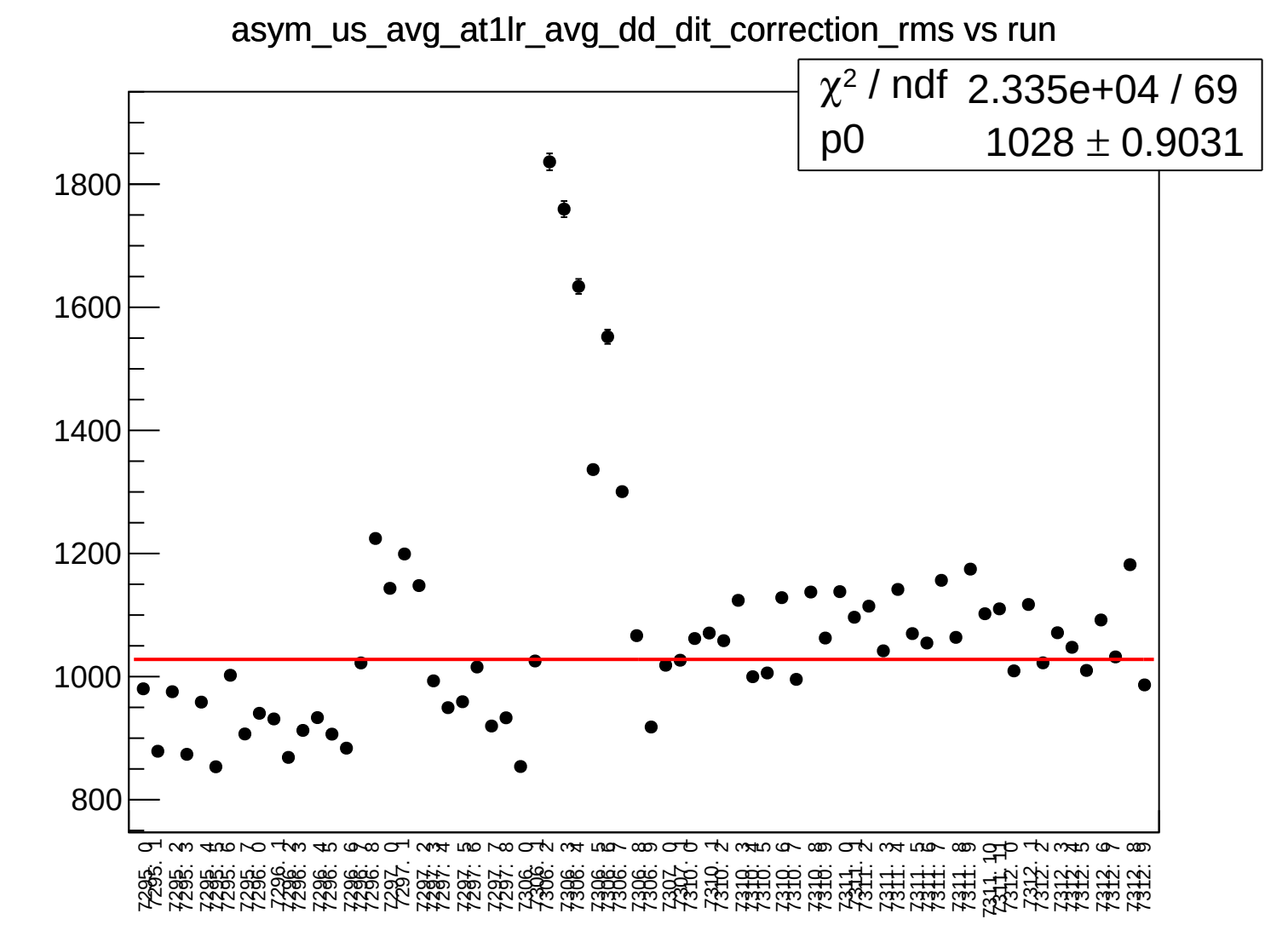

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 69.92 / 69
p0 −3019 ± 2134
pull
Entries 70
Mean 104.8
Std Dev 0

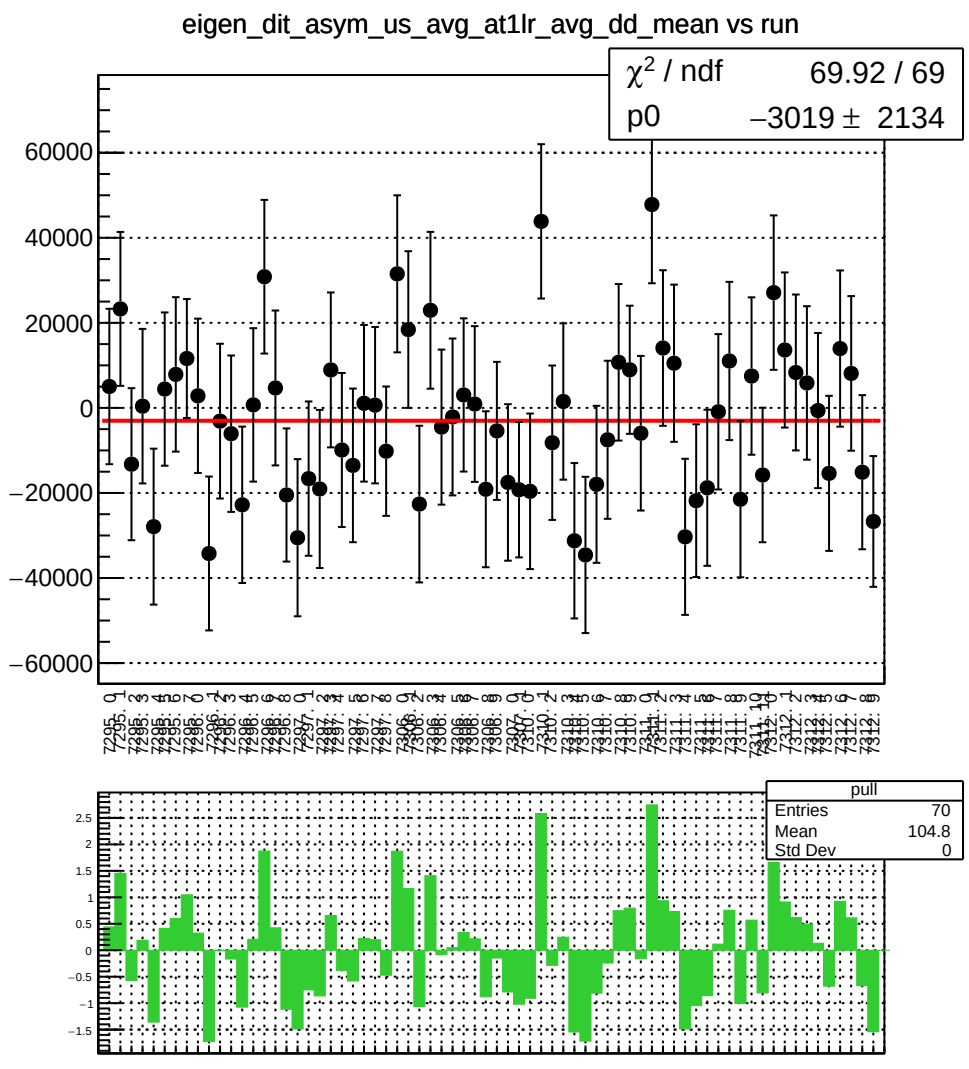

pull1D
Entries 70
Mean 0.005398
Std Dev 0.9994

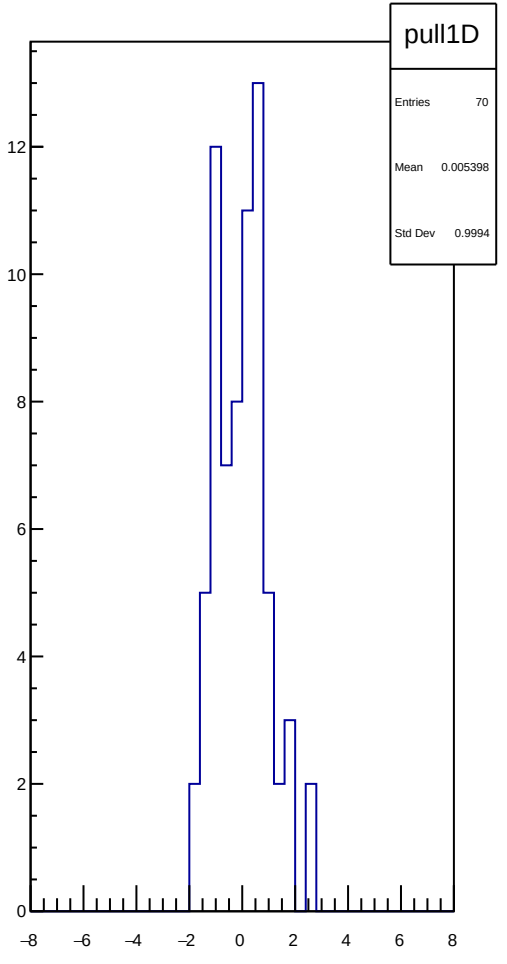

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 96.73 / 69
p0 1733 ± 1.509
1780
1760
1740
1720
1700
1680

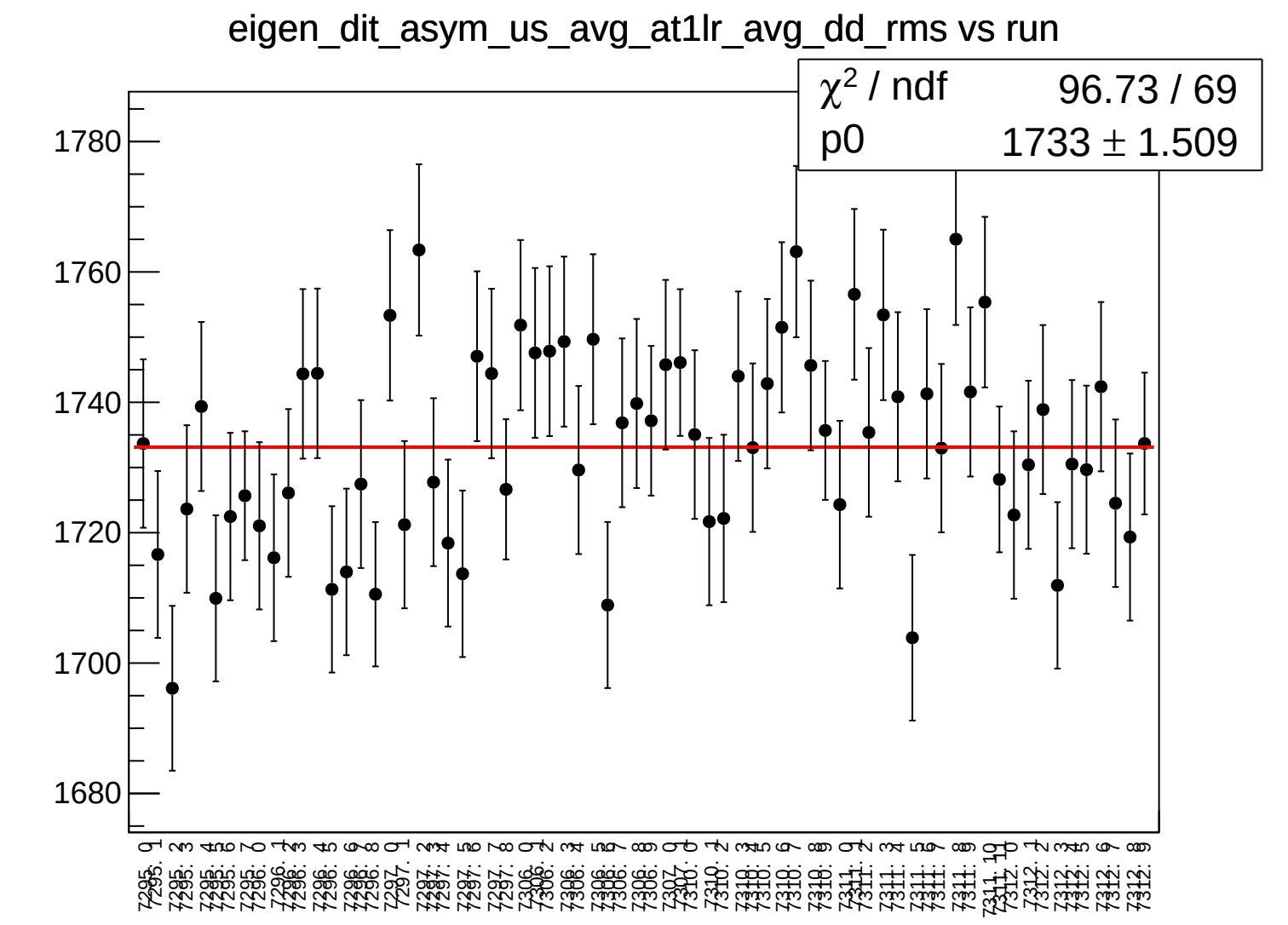

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 58.62 / 69
p0 −176.4 ± 1277
pull
Entries 70
Mean 1289
Std Dev 0

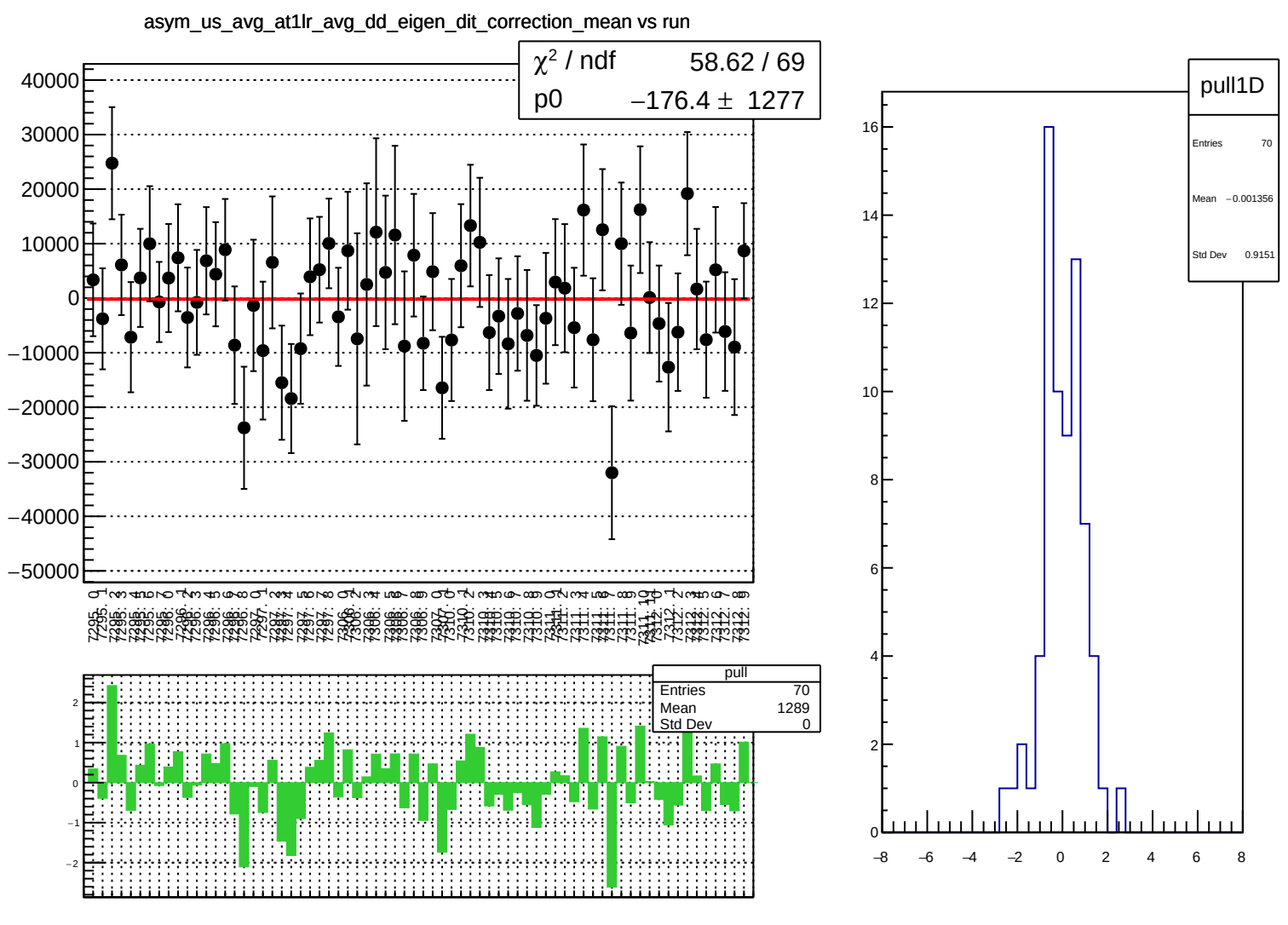

pull1D
Entries 70
Mean −0.001356
Std Dev 0.9151

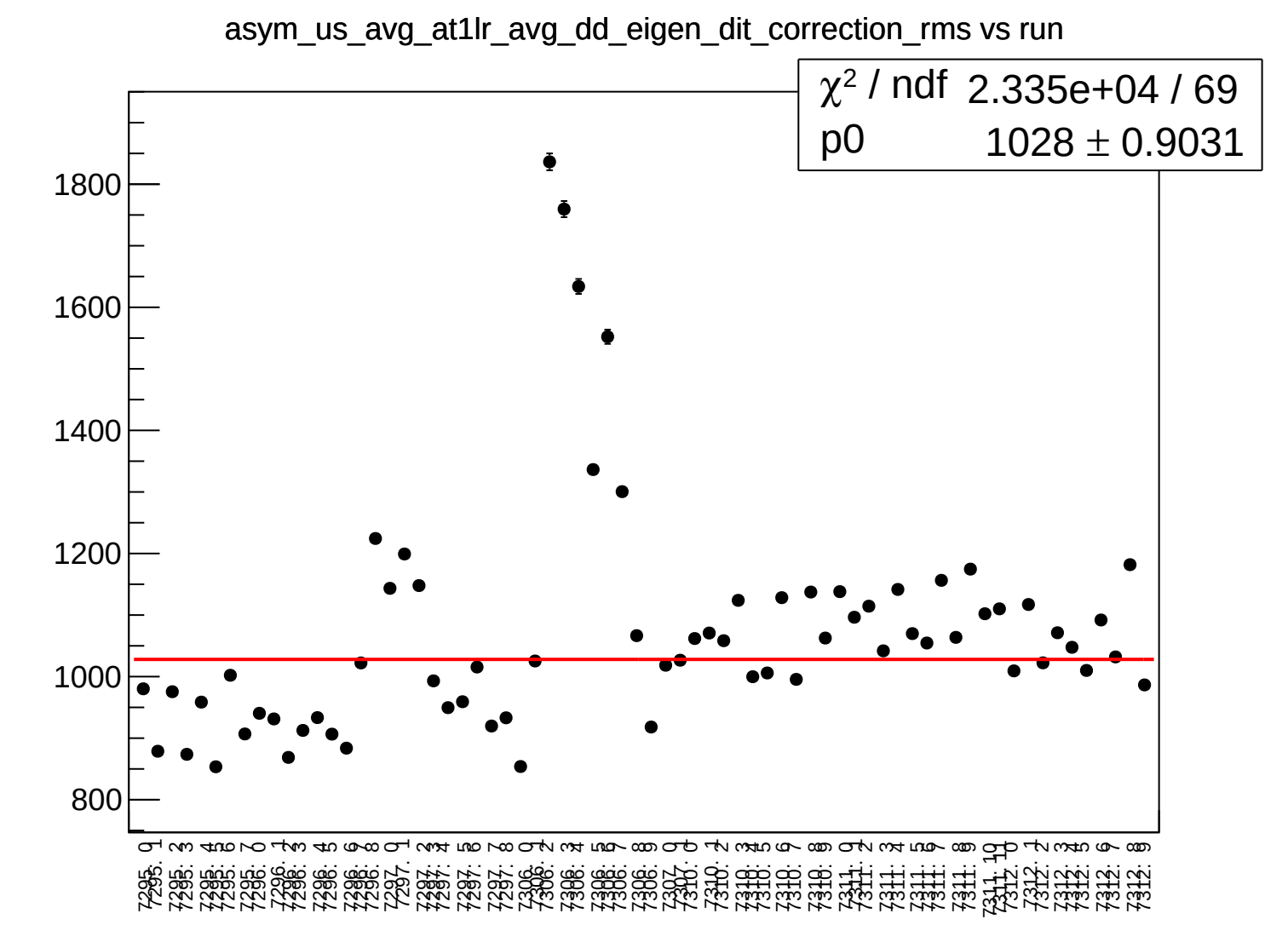

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.335e+04 / 69
p0 1028 ± 0.9031
1800
1600
1400
1200
1000
800

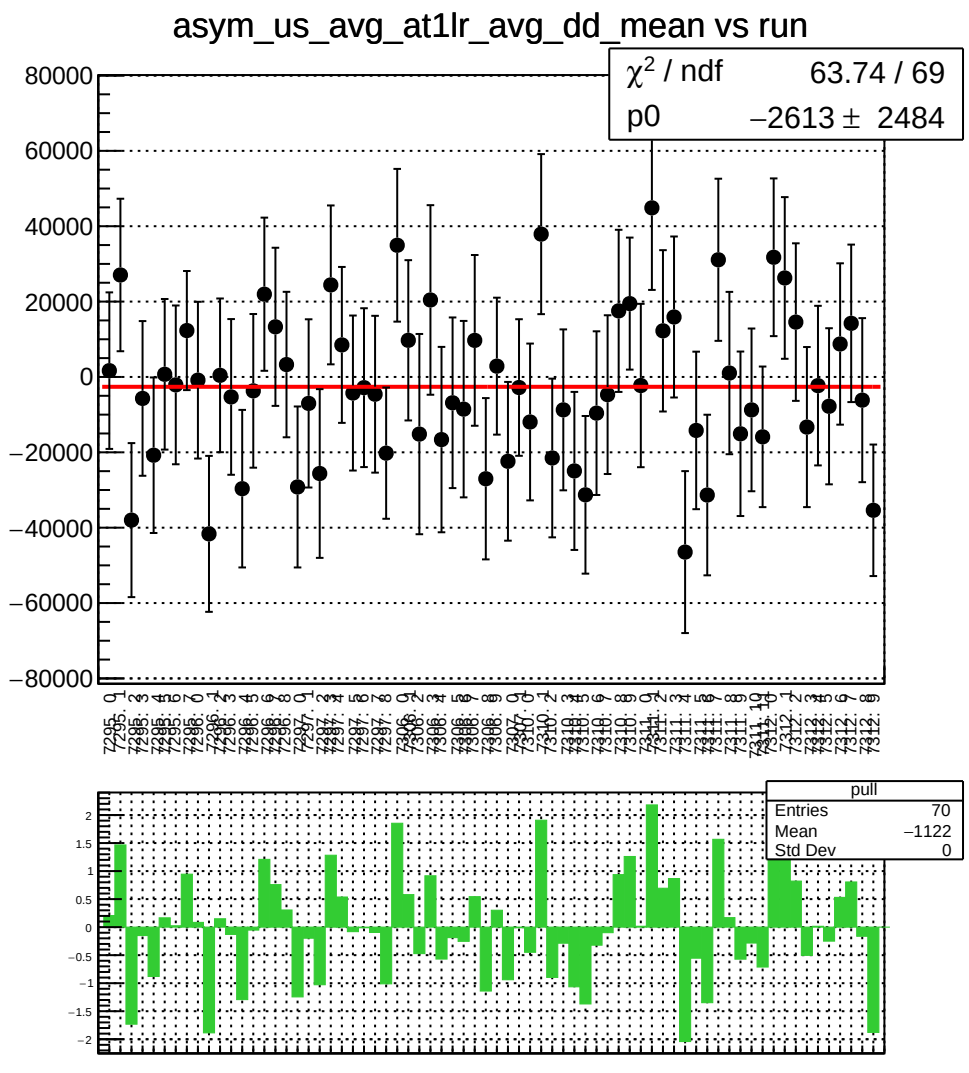

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 69.92 / 69
p0 −3019 ± 2134
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 104.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

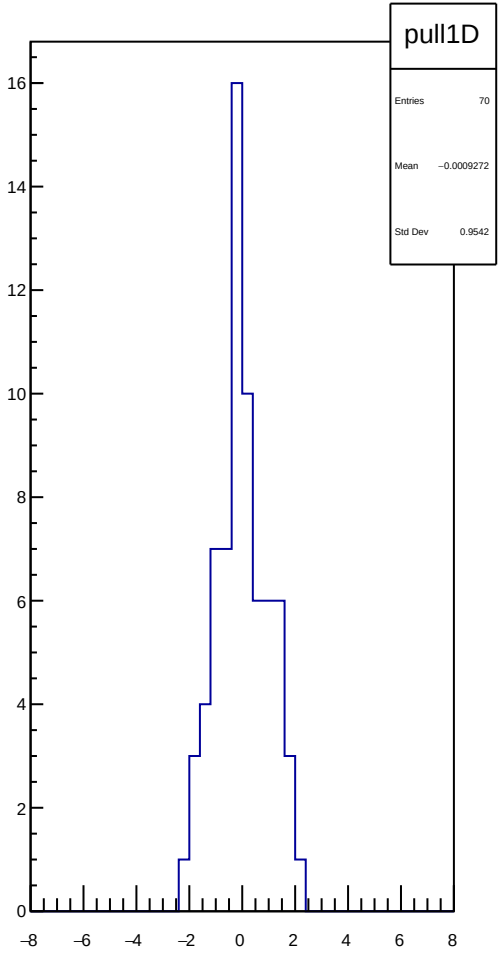

pull1D
Entries 70
Mean 0.005398
Std Dev 0.9994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

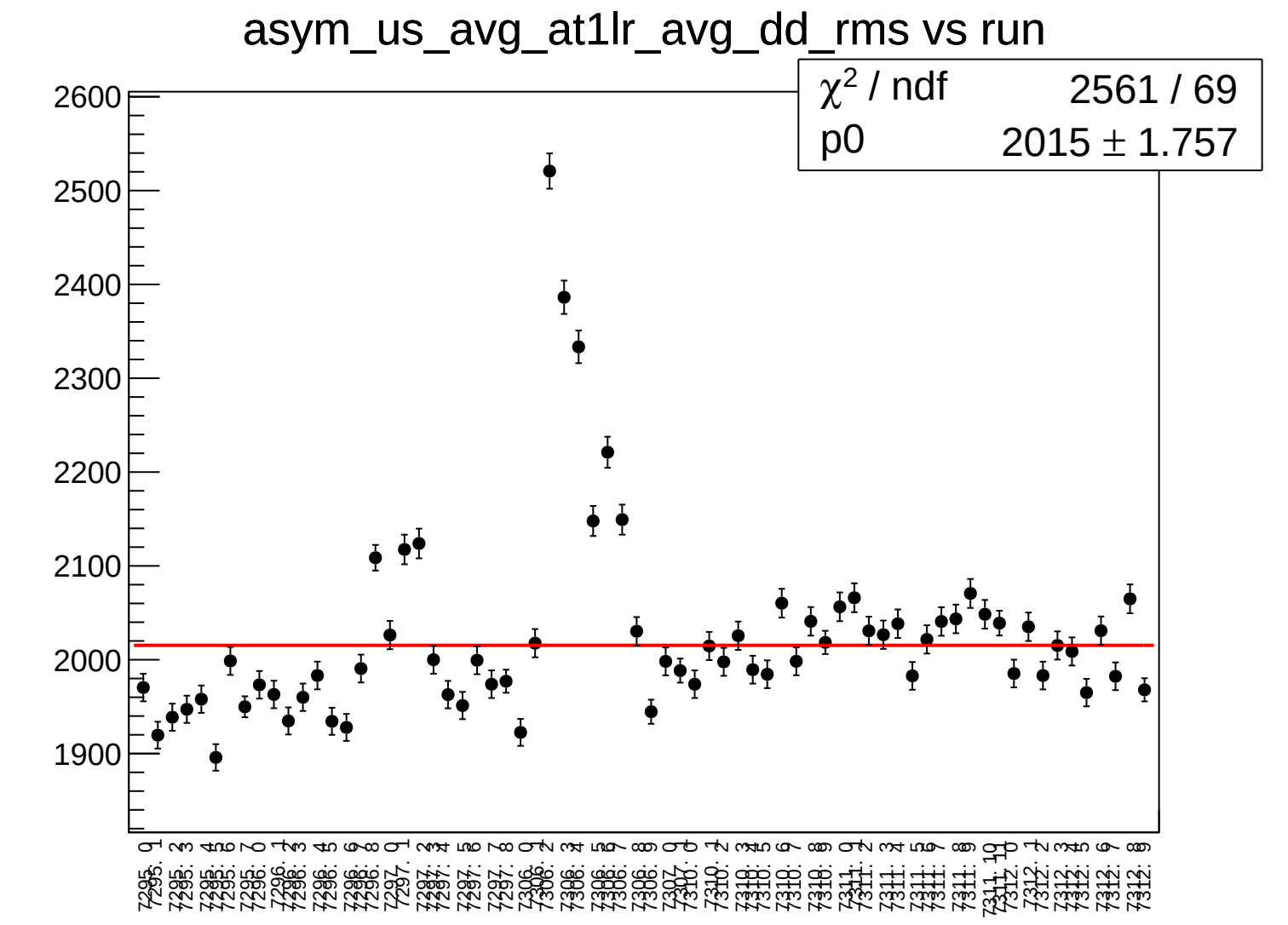

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 96.73 / 69
p0 1733 ± 1.509
1780
1760
1740
1720
1700
1680

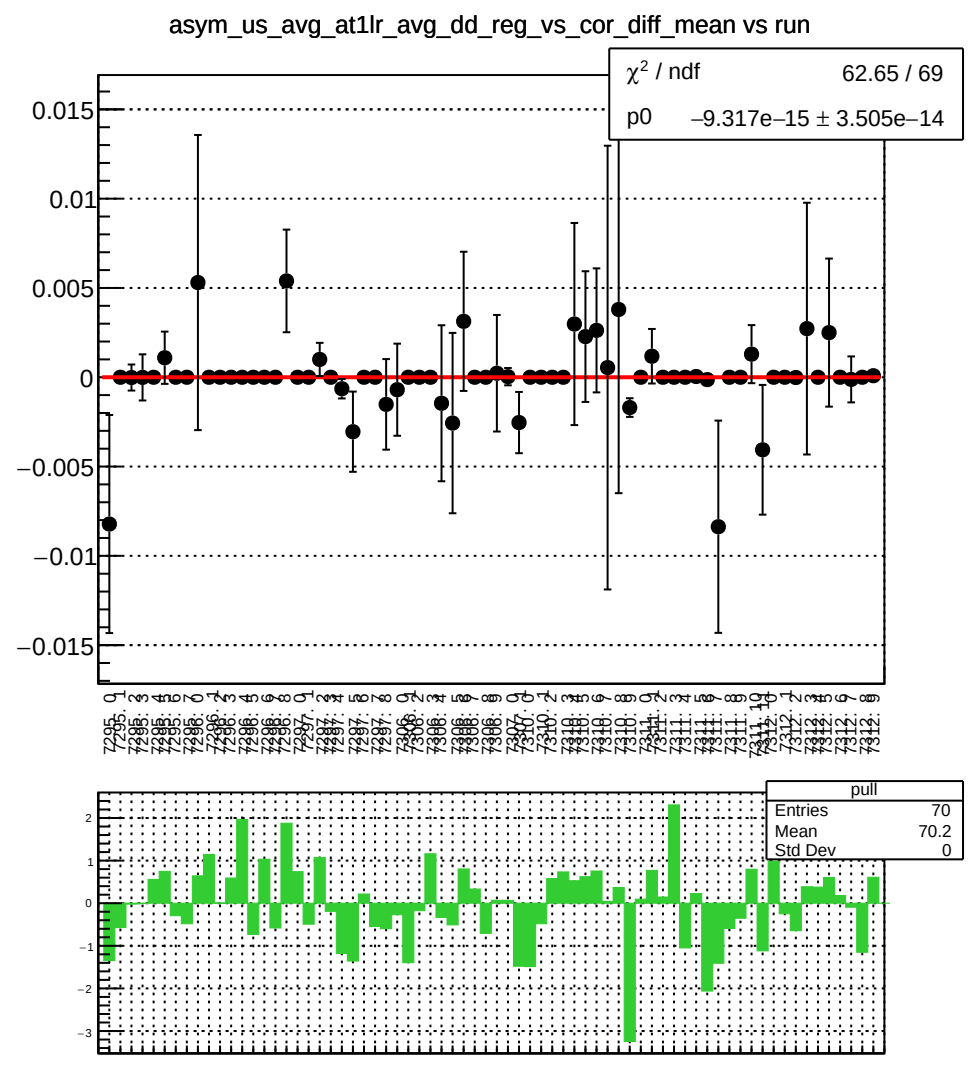

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.62 / 69
p0 −176.4 ± 1277
pull
Entries 70
Mean 1289
Std Dev 0
pull1D
Entries 70
Mean −0.001356
Std Dev 0.9151

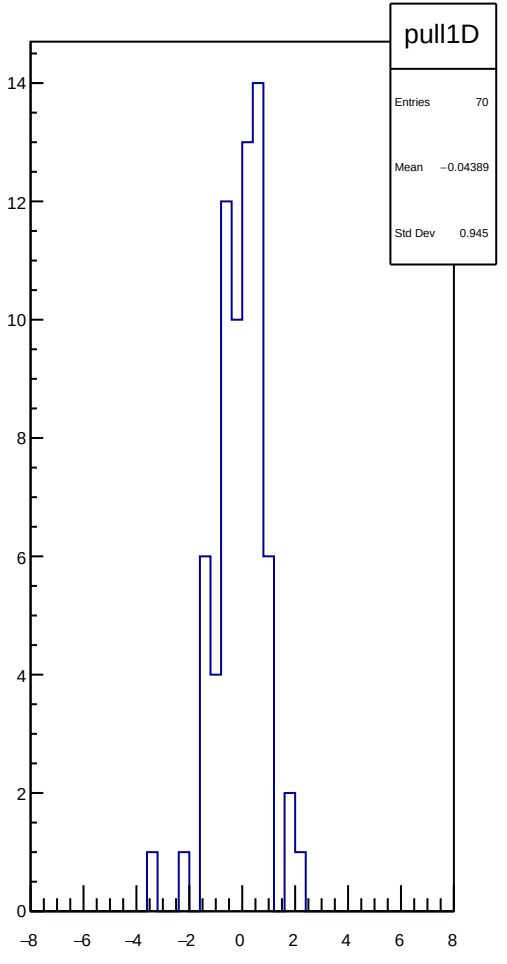

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.335e+04 / 69
p0 1028 ± 0.9031
1800
1600
1400
1200
1000
800

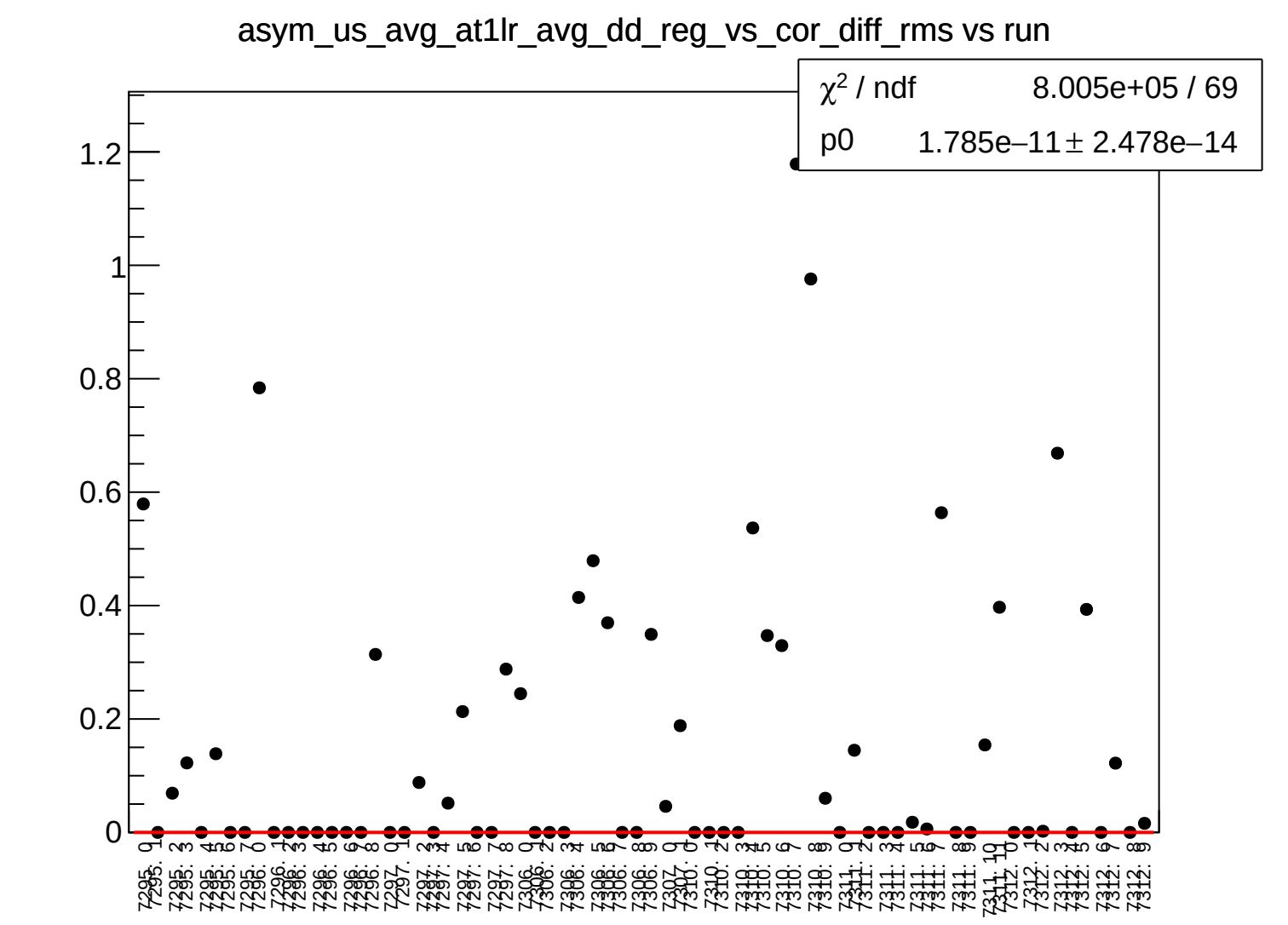

asym_us_avg_at1lr_avg_dd_mean vs run
χ^2 / ndf 63.74 / 69
p0 −2613 ± 2484
pull
Entries 70
Mean −1122
Std Dev 0

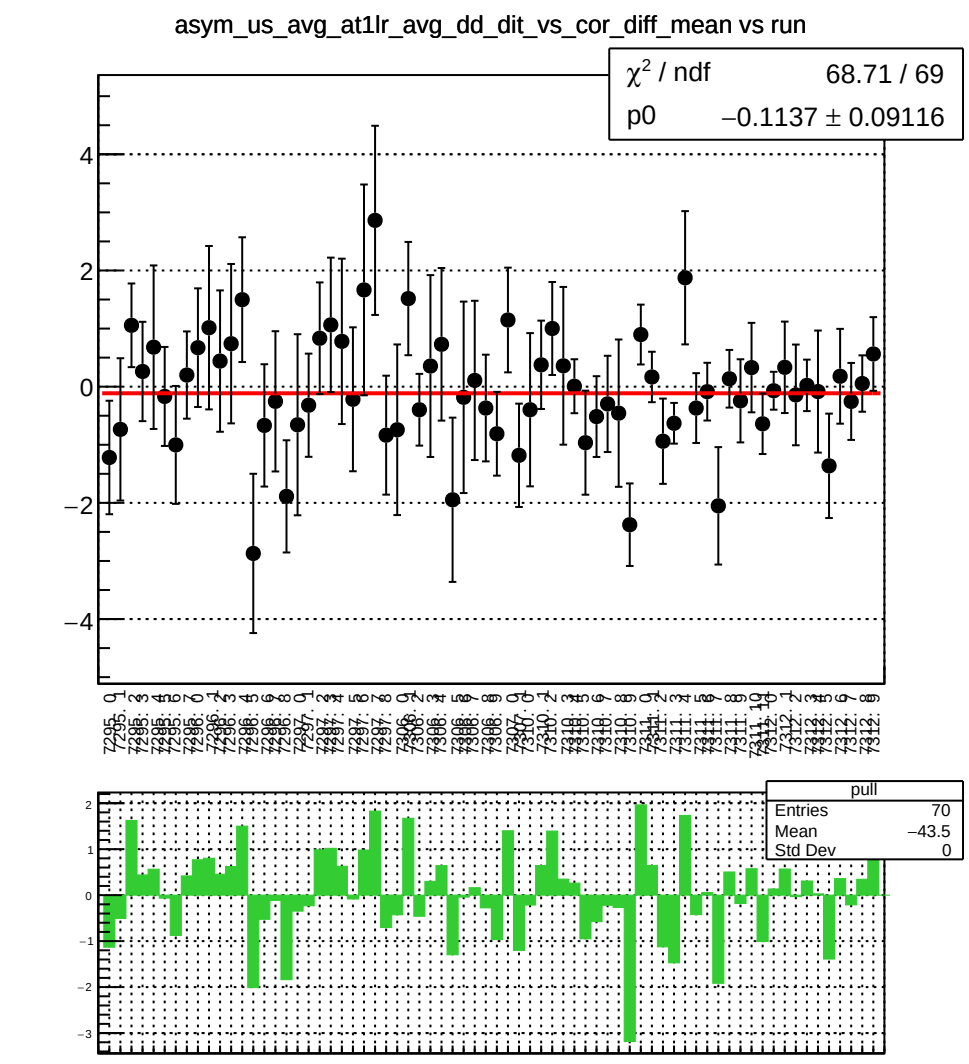

pull1D
Entries 70
Mean −0.0009272
Std Dev 0.9542

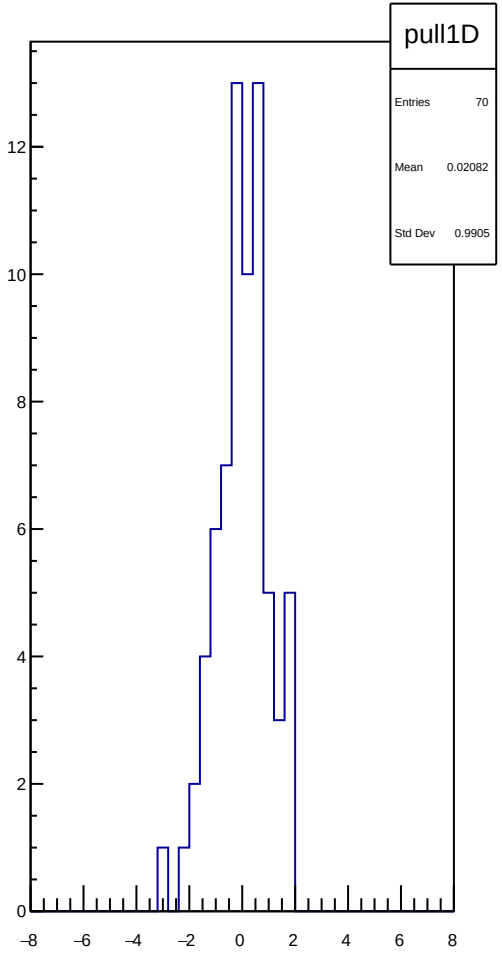

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 2561 / 69
p0 2015 ± 1.757
2600
2500
2400
2300
2200
2100
2000
1900

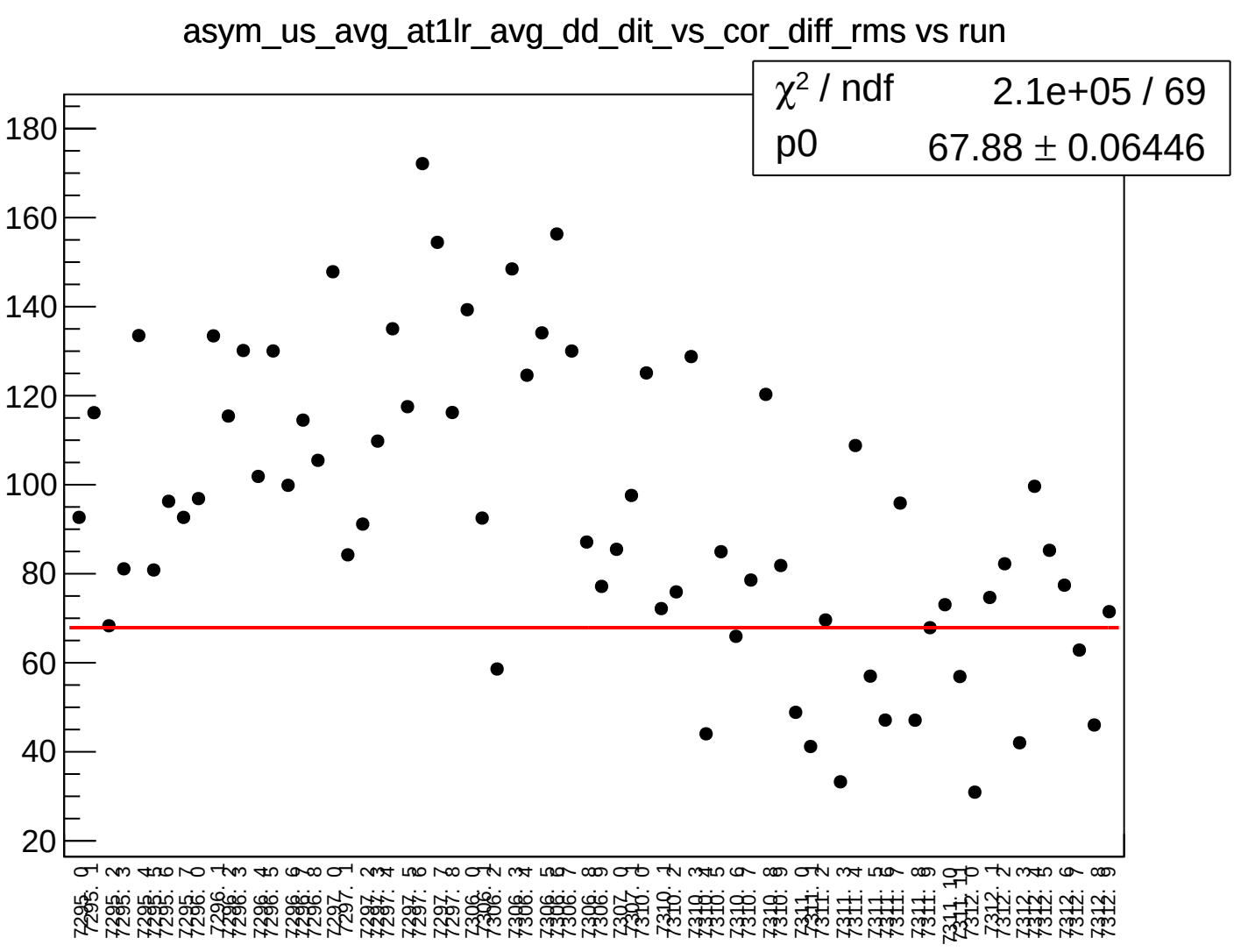

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 62.65 / 69
p0 −9.317e−15 ± 3.505e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 70
Mean 70.2
Std Dev 0
2
1
0
−1
−2
−3

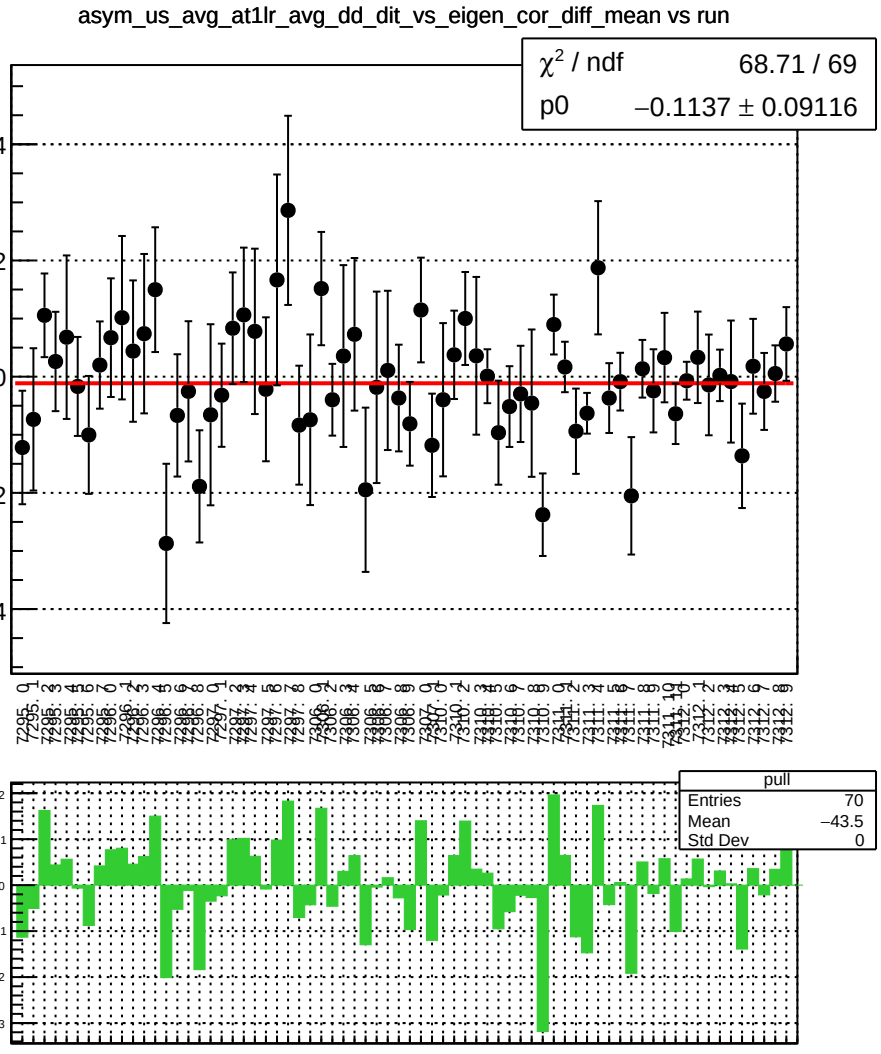

pull1D
Entries 70
Mean −0.04389
Std Dev 0.945
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

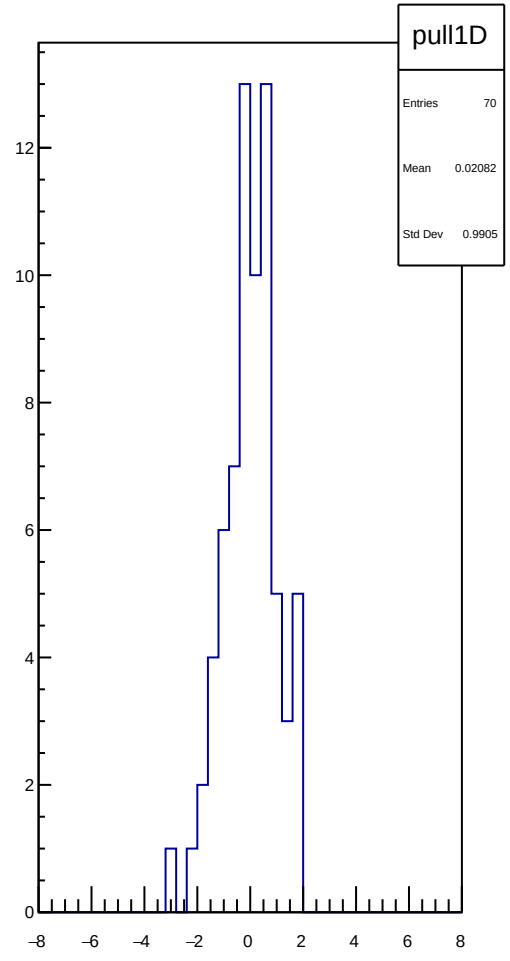

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.005e+05 / 69
p0 1.785e−11 ± 2.478e−14
1.2
1
0.8
0.6
0.4
0.2
0

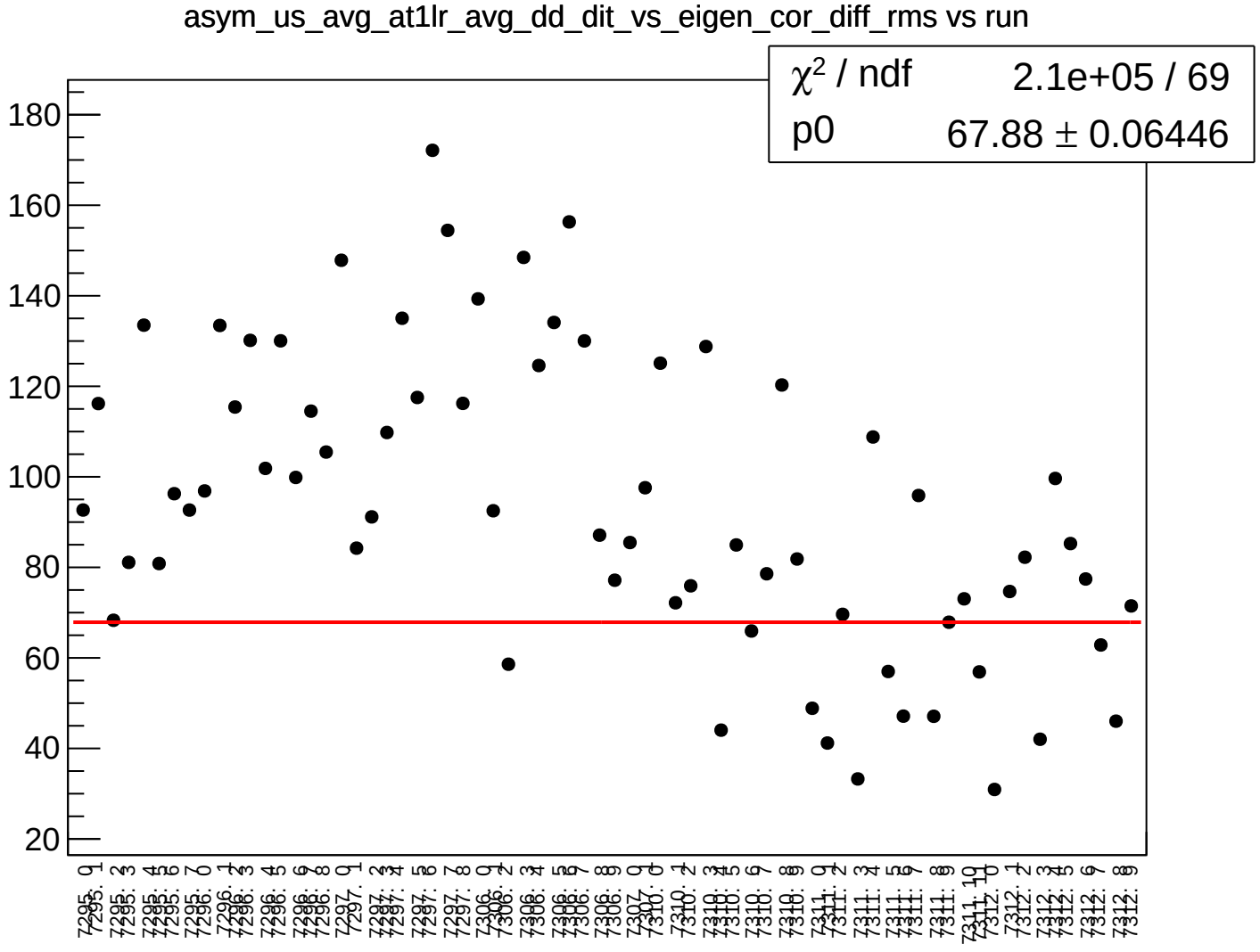

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.1137 ± 0.09116
pull
Entries 70
Mean −43.5
Std Dev 0

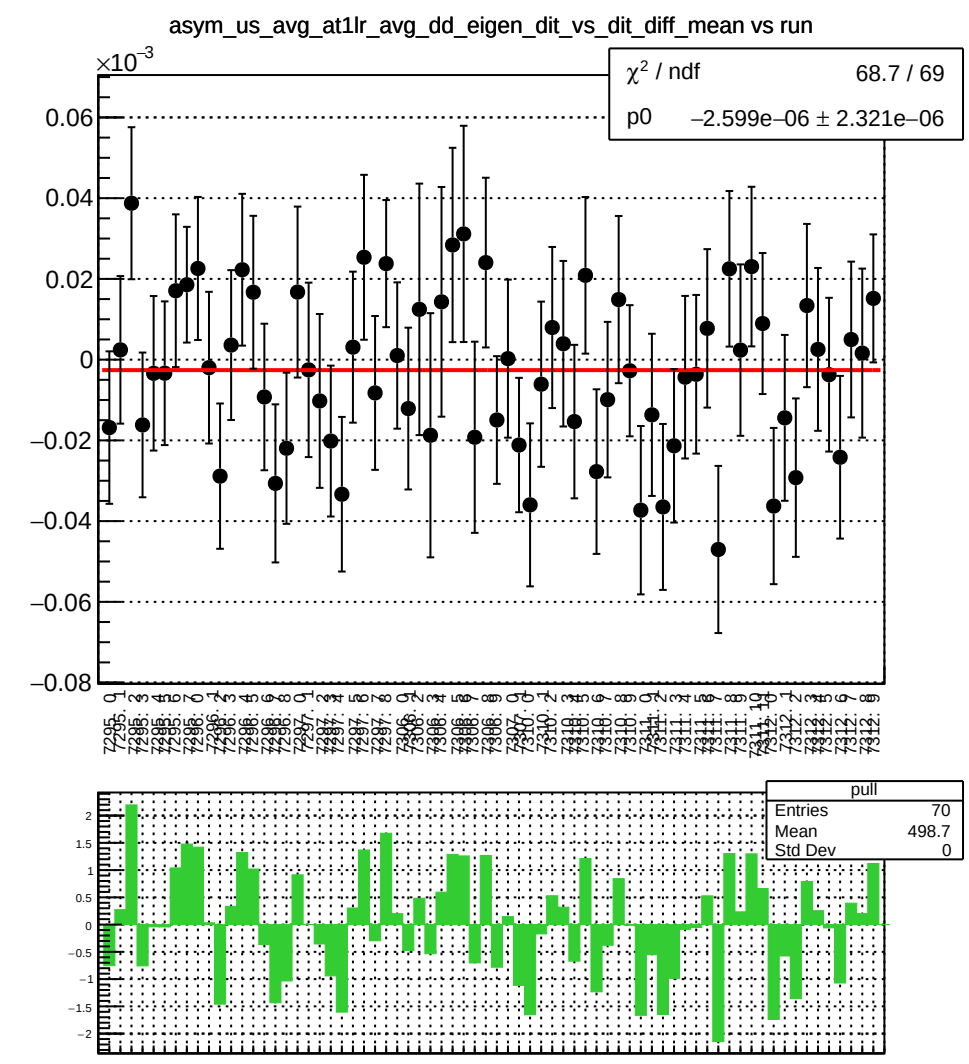

pull1D
Entries 70
Mean 0.02082
Std Dev 0.9905

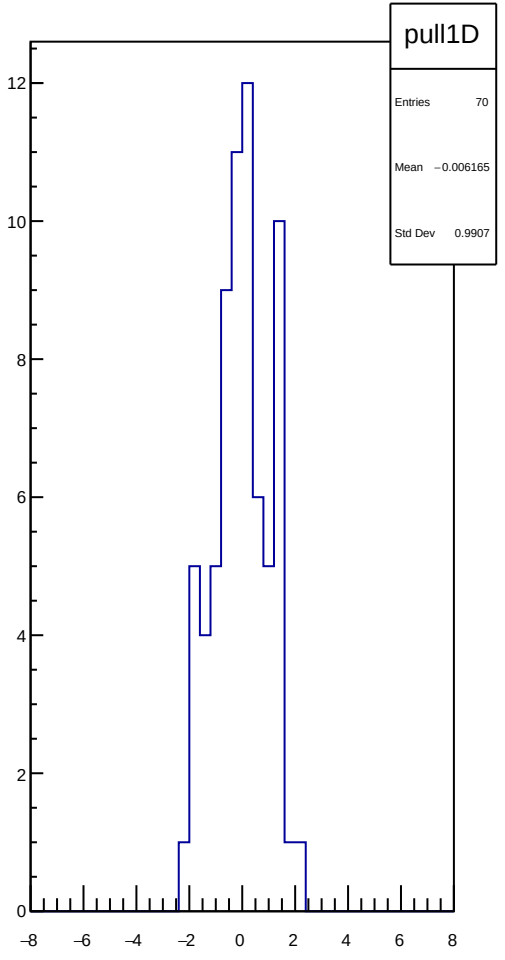

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.1e+05 / 69
p0 67.88 ± 0.06446
180
160
140
120
100
80
60
40
20

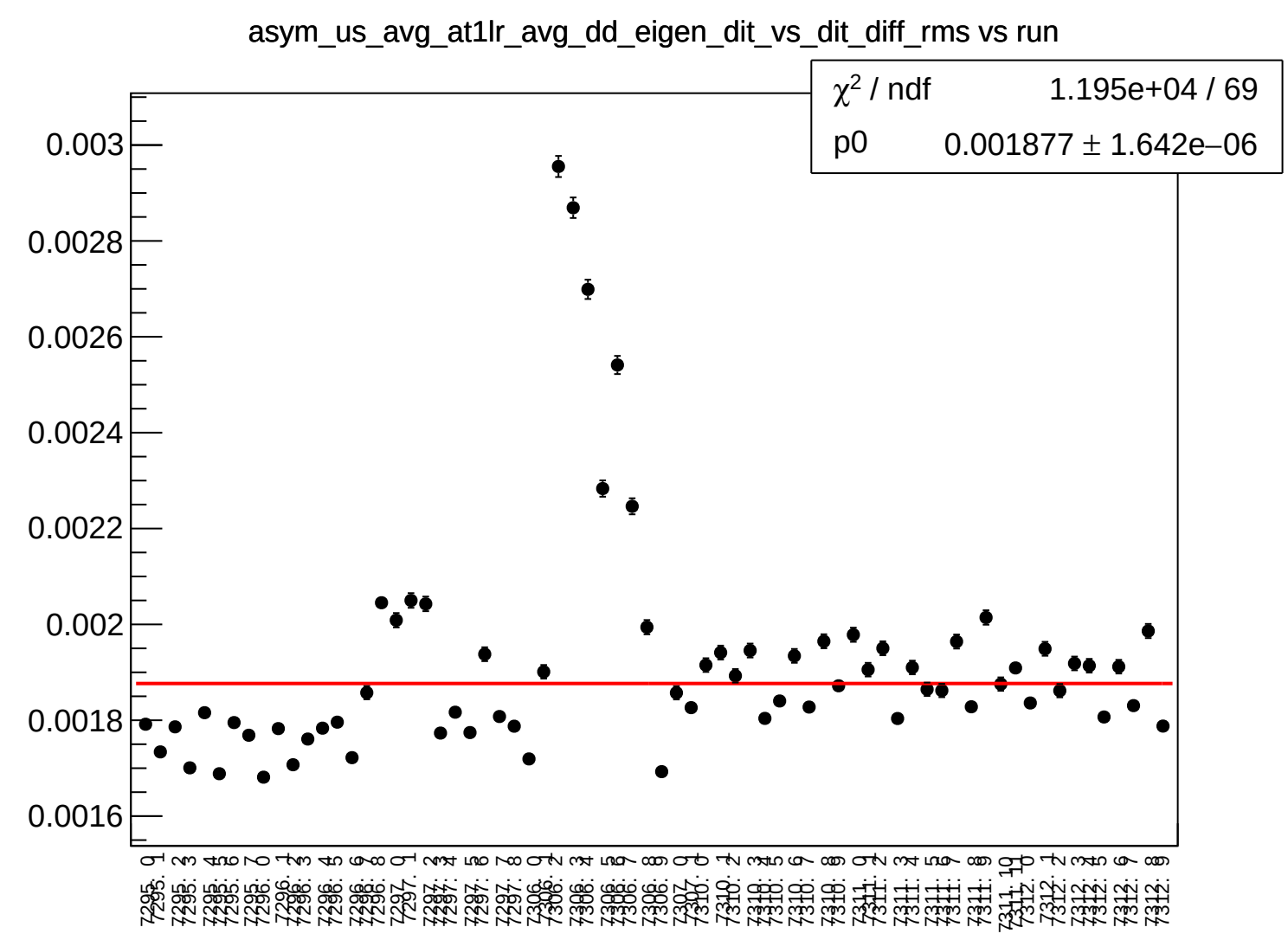

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.1137 ± 0.09116
pull
Entries 70
Mean −43.5
Std Dev 0

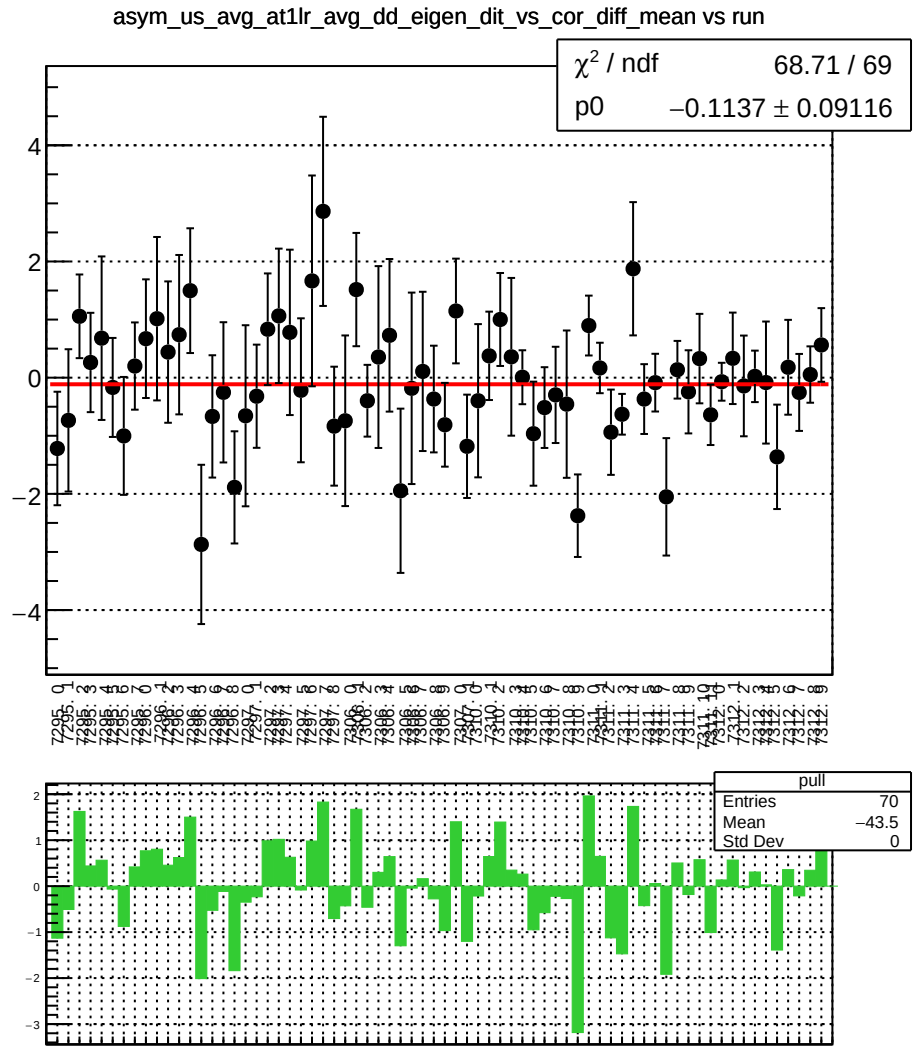

pull1D
Entries 70
Mean 0.02082
Std Dev 0.9905

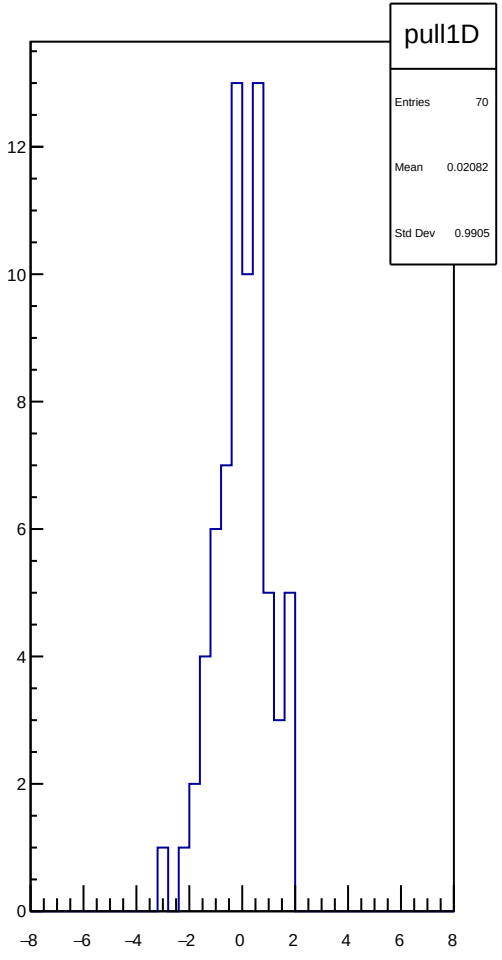

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.1e+05 / 69
p0 67.88 ± 0.06446
180
160
140
120
100
80
60
40
20

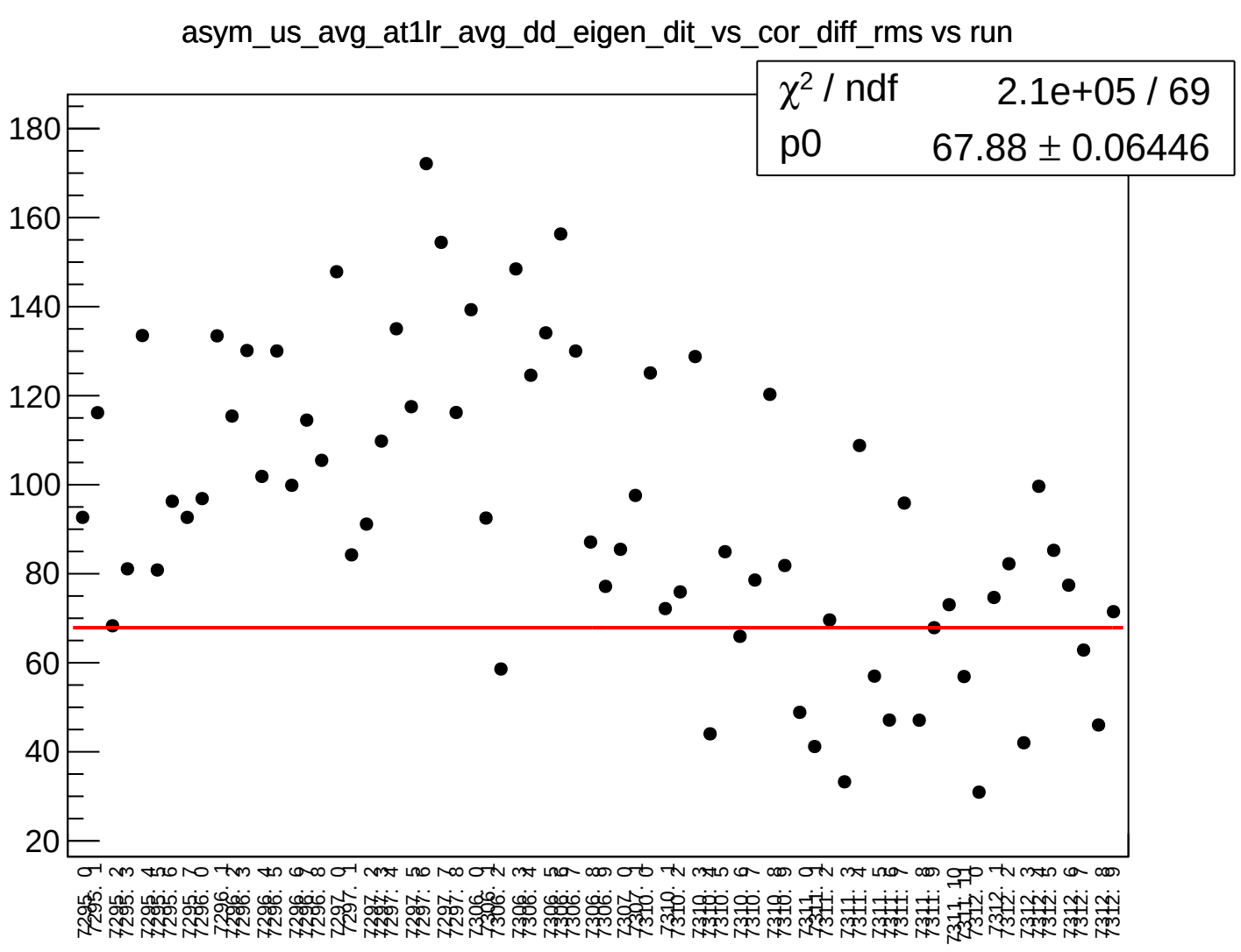

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.7 / 69
p0 −2.599e−06 ± 2.321e−06
pull
Entries 70
Mean 498.7
Std Dev 0

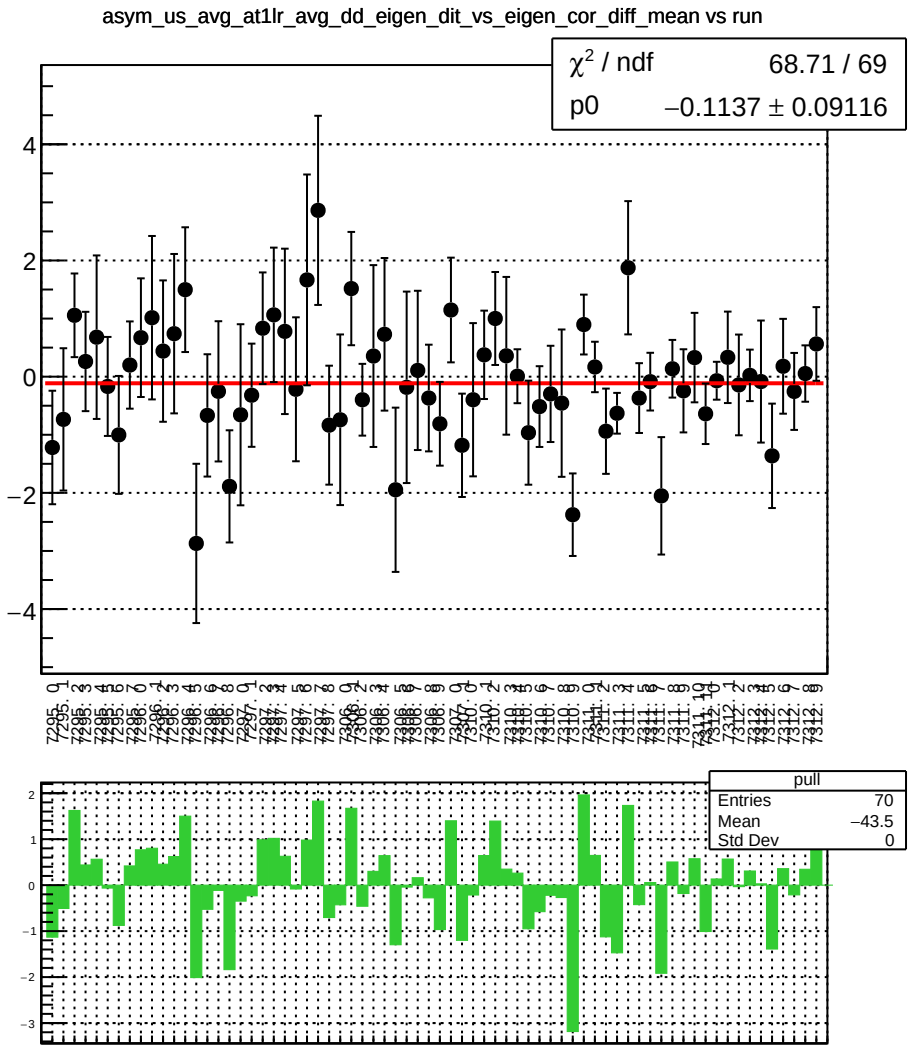

pull1D
Entries 70
Mean −0.006165
Std Dev 0.9907

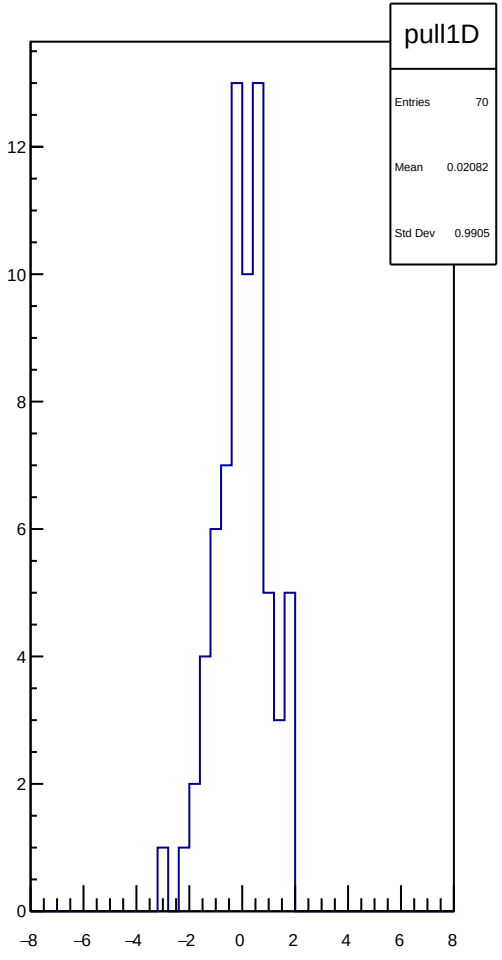

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.195e+04 / 69
p0 0.001877 ± 1.642e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016

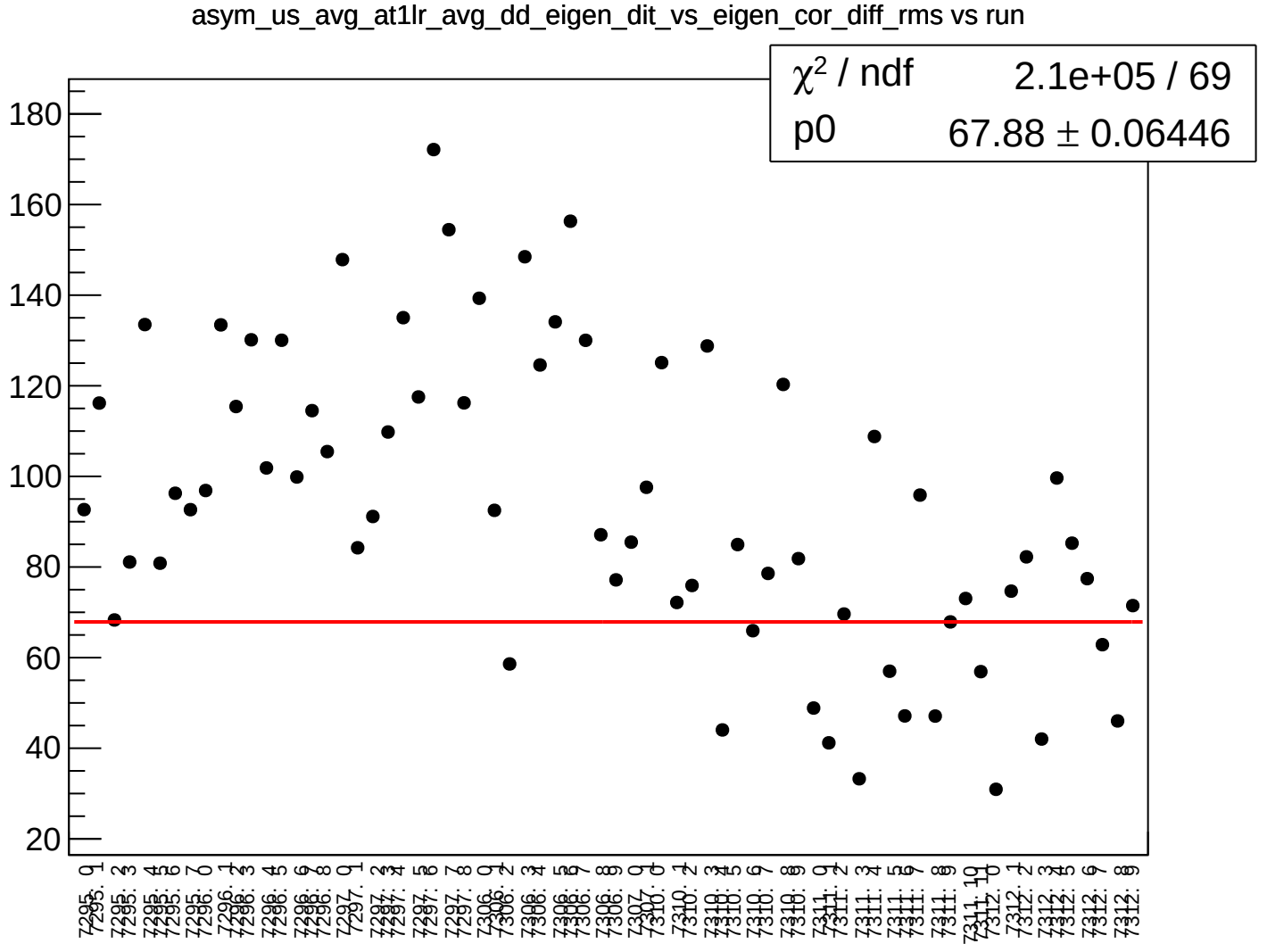

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.1137 ± 0.09116
pull
Entries 70
Mean −43.5
Std Dev 0

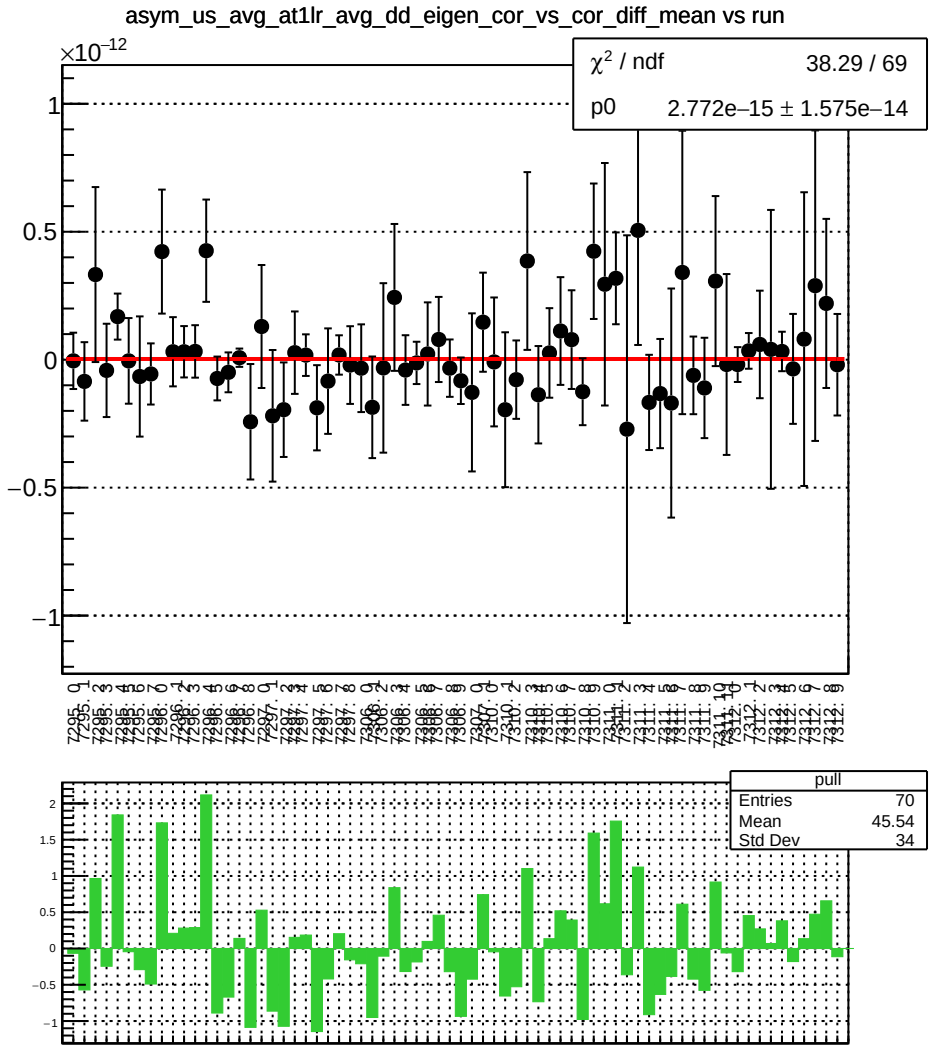

pull1D
Entries 70
Mean 0.02082
Std Dev 0.9905

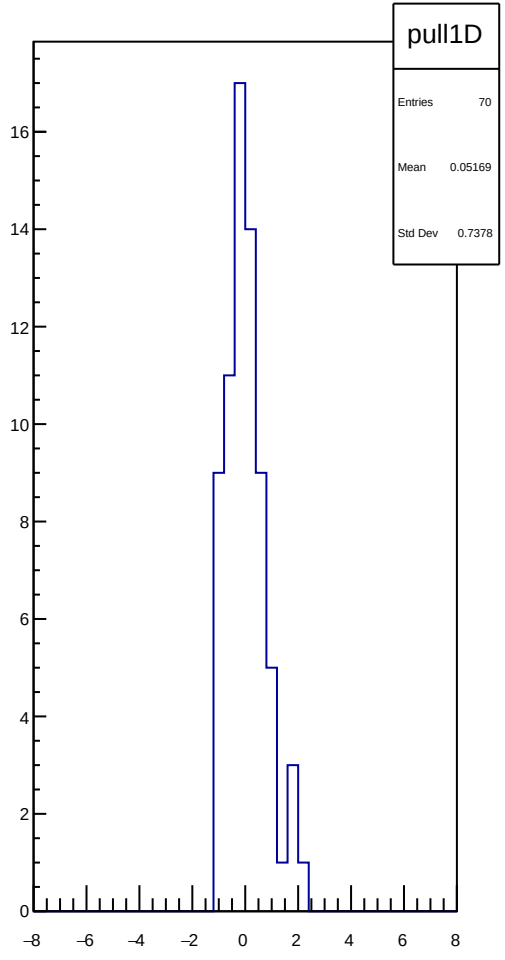

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.1e+05 / 69
p0 67.88 ± 0.06446
180
160
140
120
100
80
60
40
20

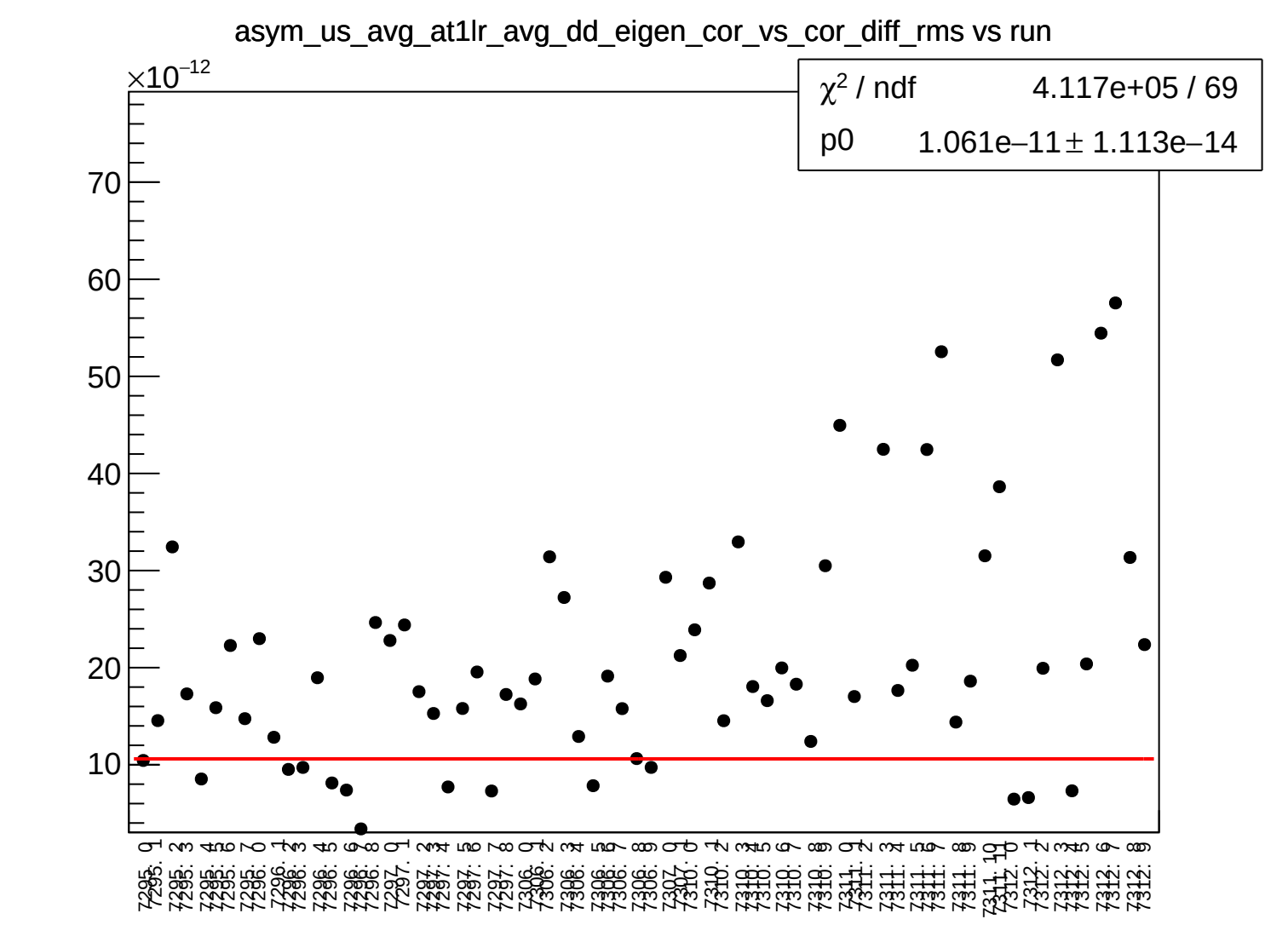

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.71 / 69
p0 −0.1137 ± 0.09116
pull
Entries 70
Mean −43.5
Std Dev 0

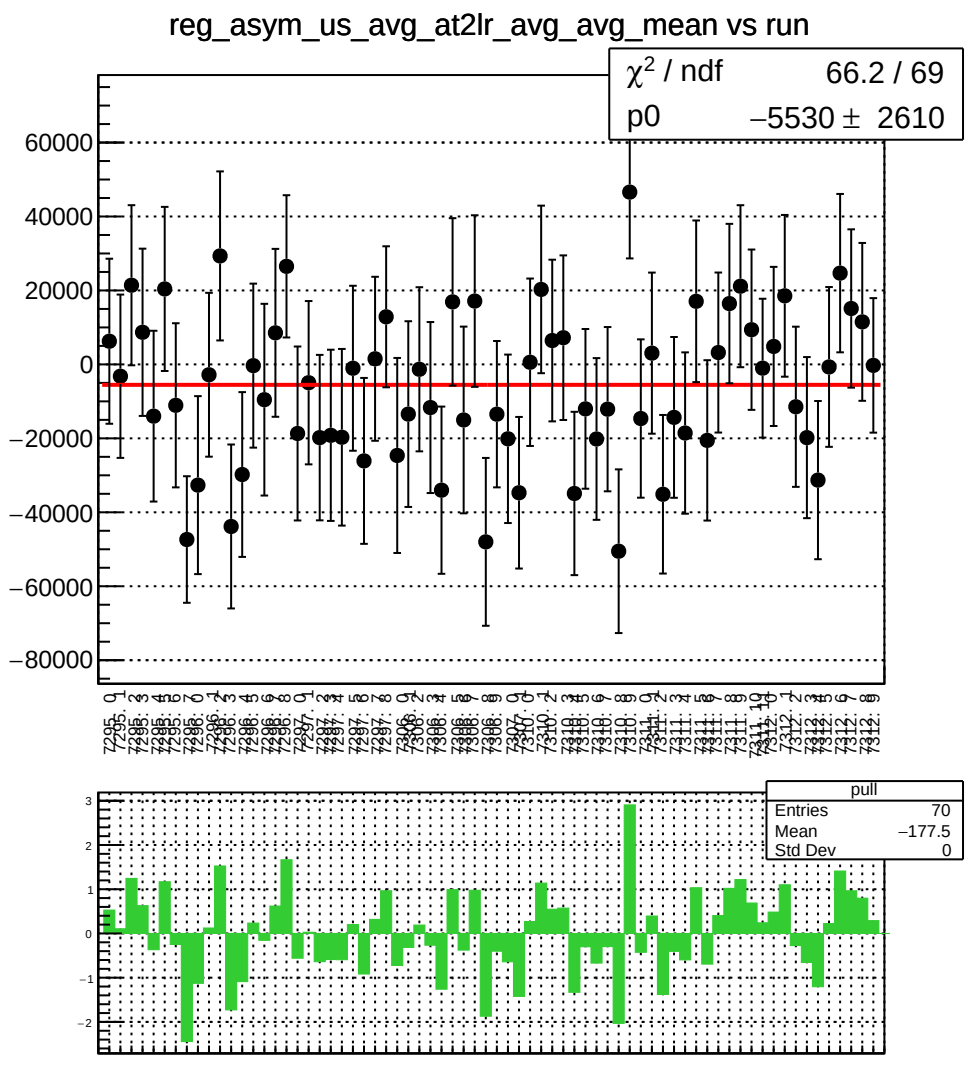

pull1D
Entries 70
Mean 0.02082
Std Dev 0.9905

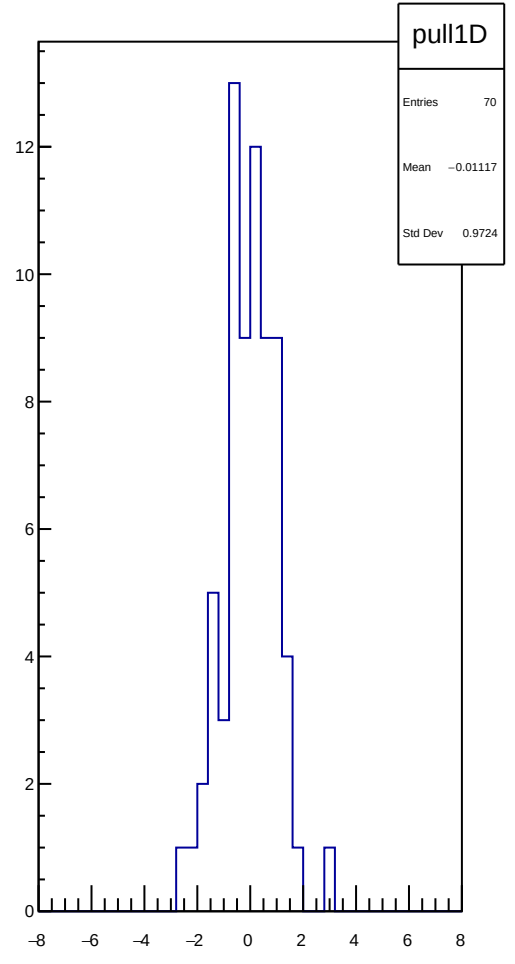

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.1e+05 / 69
p0 67.88 ± 0.06446
180
160
140
120
100
80
60
40
20

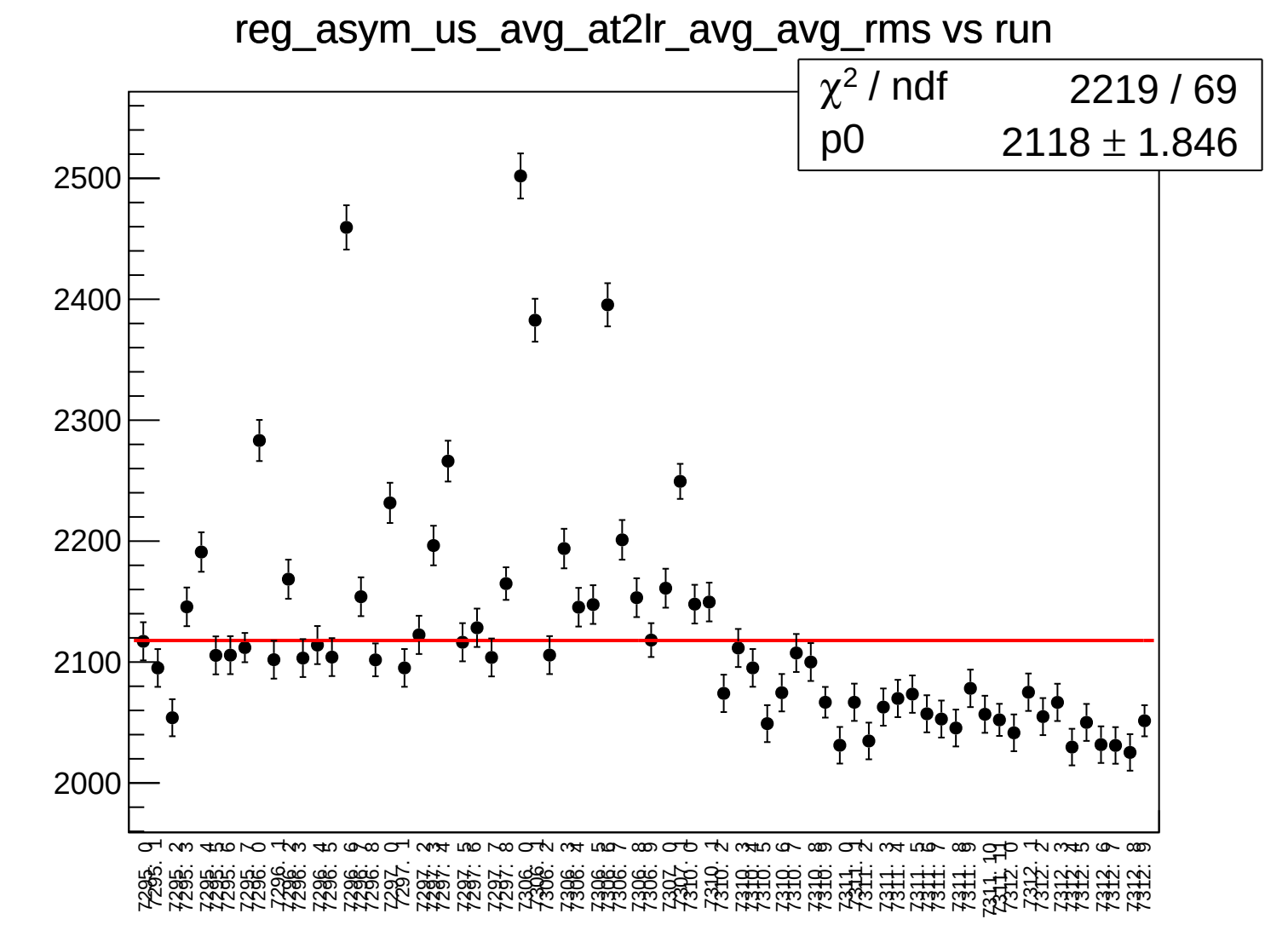

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.29 / 69
p0 2.772e−15 ± 1.575e−14
pull
Entries 70
Mean 45.54
Std Dev 34

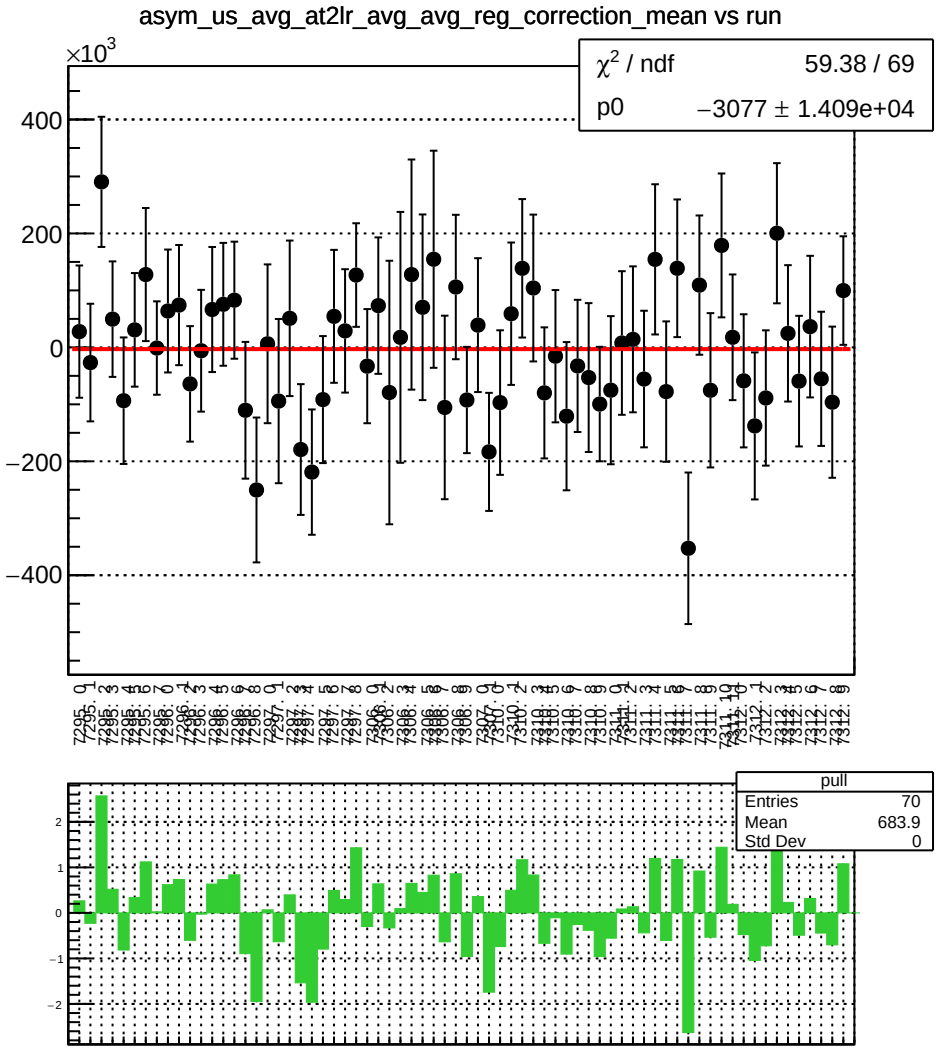

pull1D
Entries 70
Mean 0.05169
Std Dev 0.7378

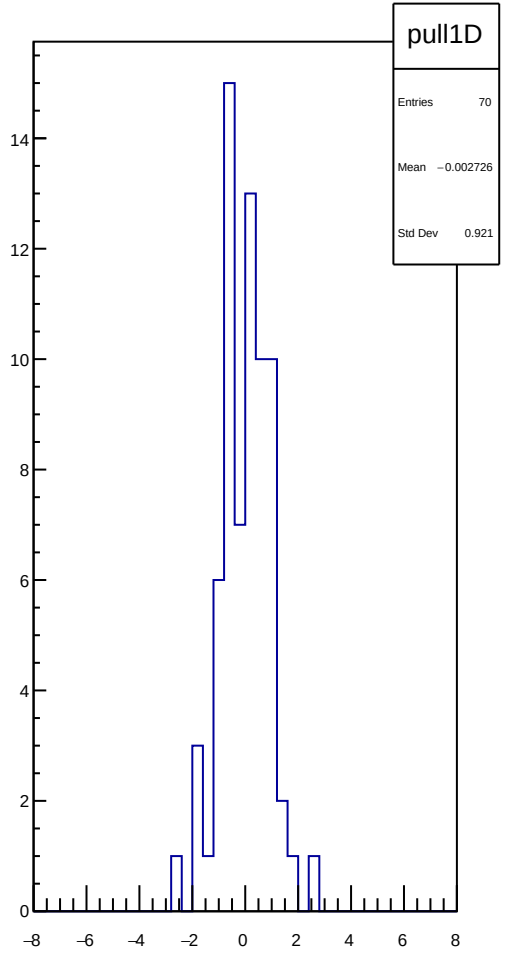

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.117e+05 / 69
p0 1.061e−11 ± 1.113e−14
70
60
50
40
30
20
10

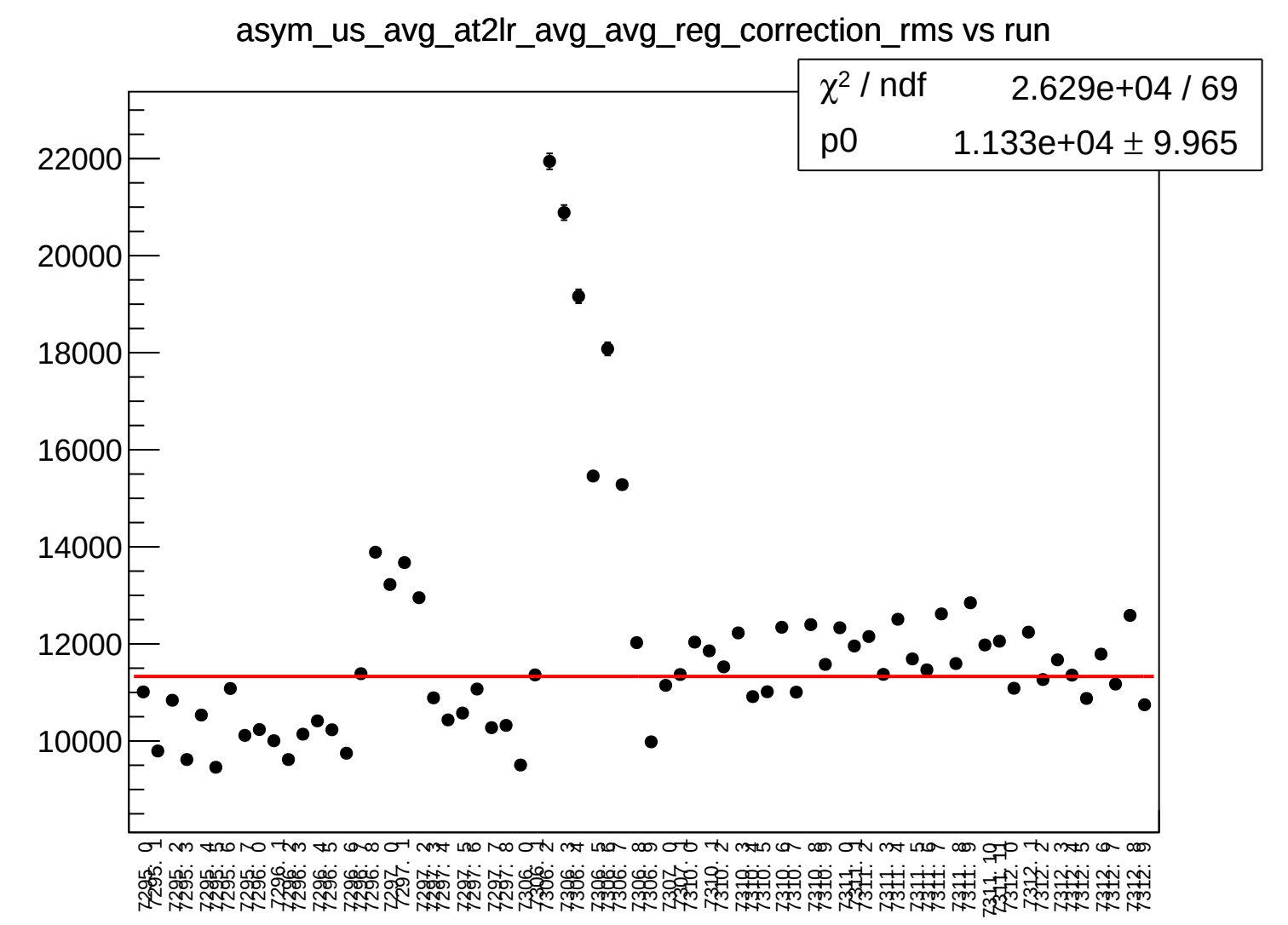

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 66.2 / 69
p0 −5530 ± 2610
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean −177.5
Std Dev 0
3
2
1
0
−1
−2

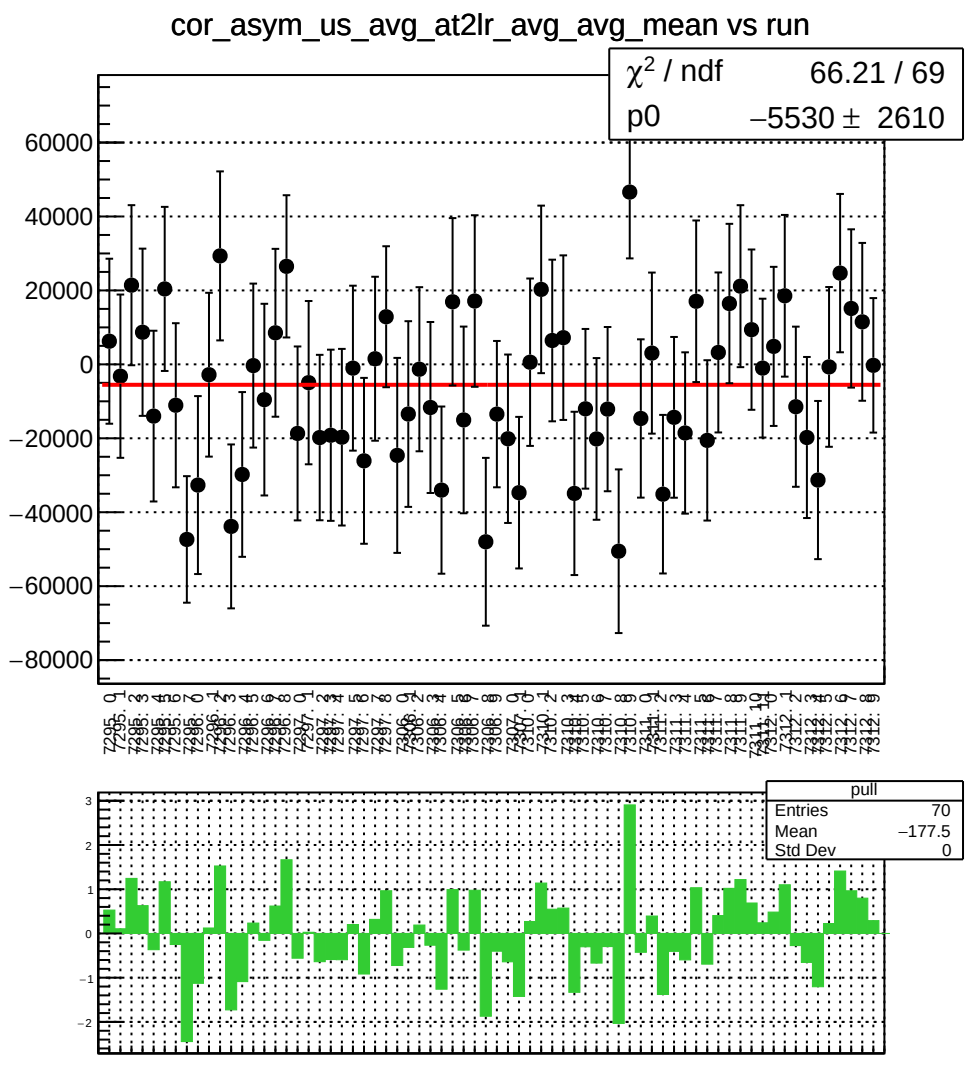

pull1D
Entries 70
Mean −0.01117
Std Dev 0.9724
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

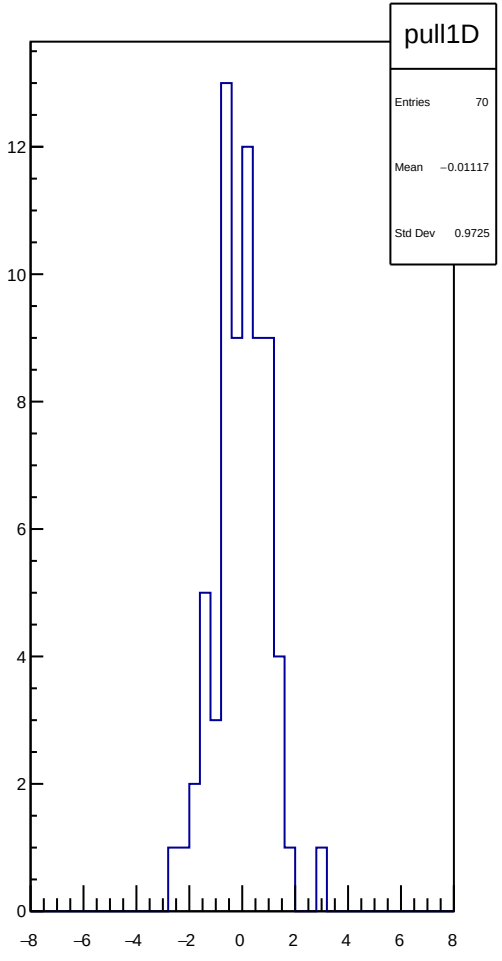

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2219 / 69
p0 2118 ± 1.846
2500
2400
2300
2200
2100
2000

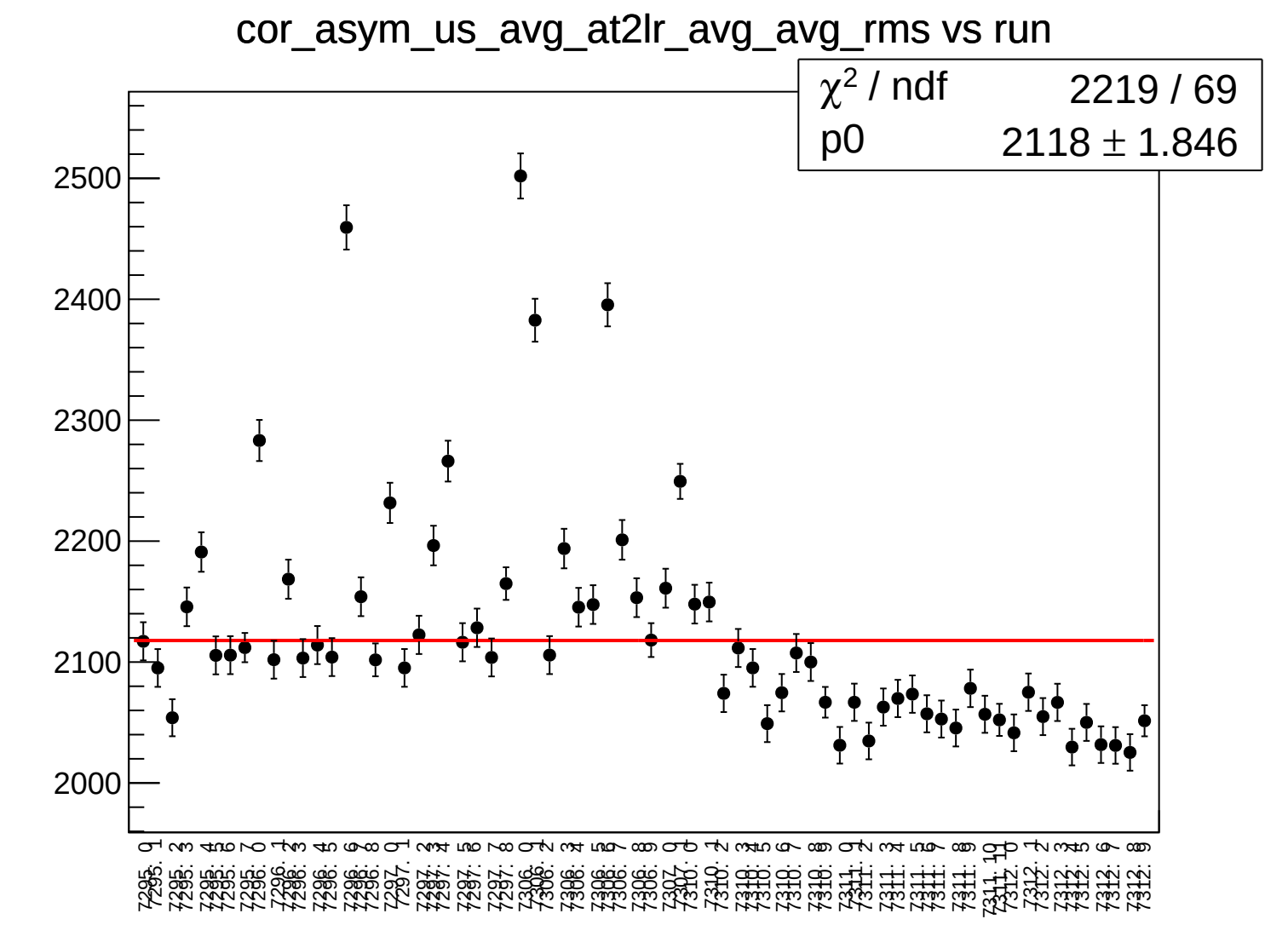

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.38 / 69
p0 −3077 ± 1.409e+04
400
200
0
−200
−400
pull
Entries 70
Mean 683.9
Std Dev 0
2
1
0
−1
−2

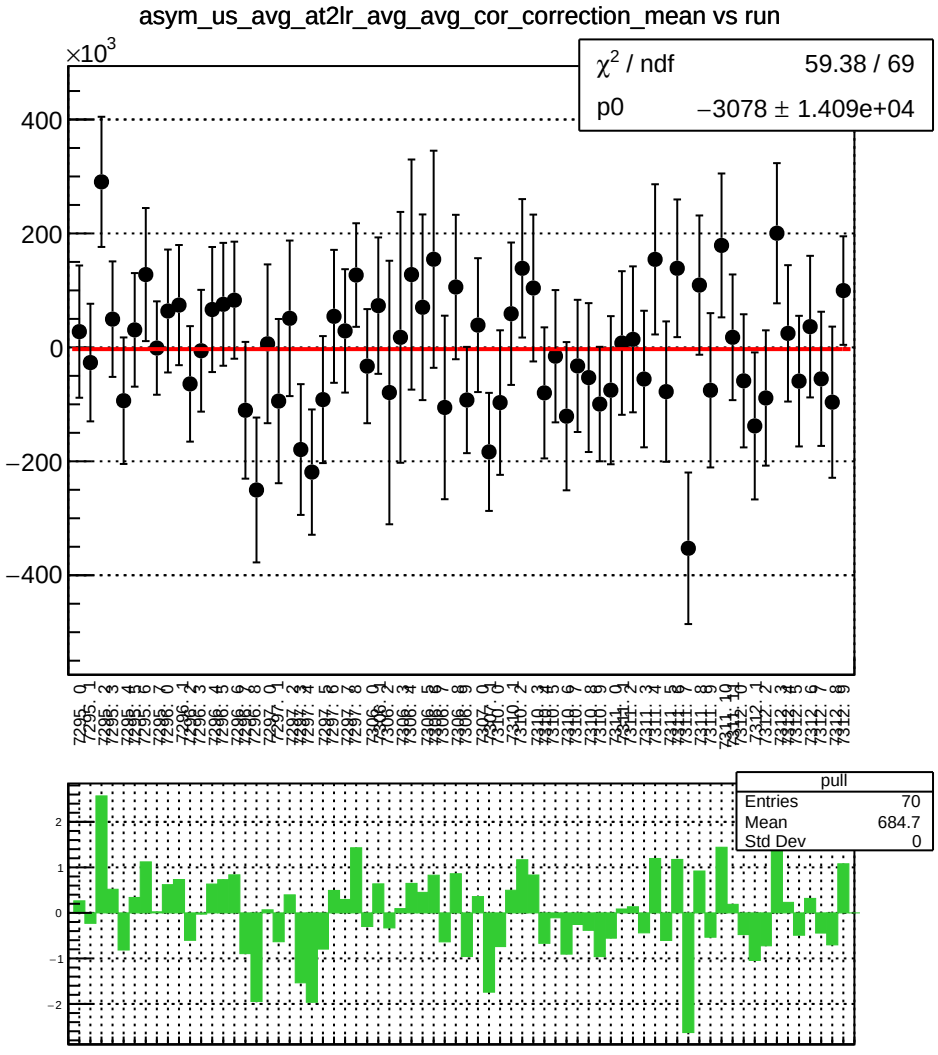

pull1D
Entries 70
Mean −0.002726
Std Dev 0.921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

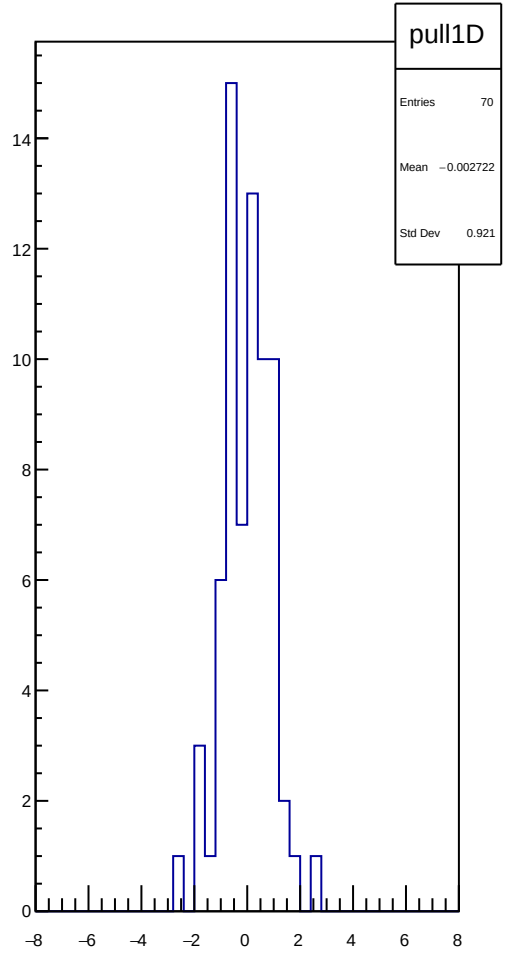

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.629e+04 / 69
p0 1.133e+04 ± 9.965
22000
20000
18000
16000
14000
12000
10000

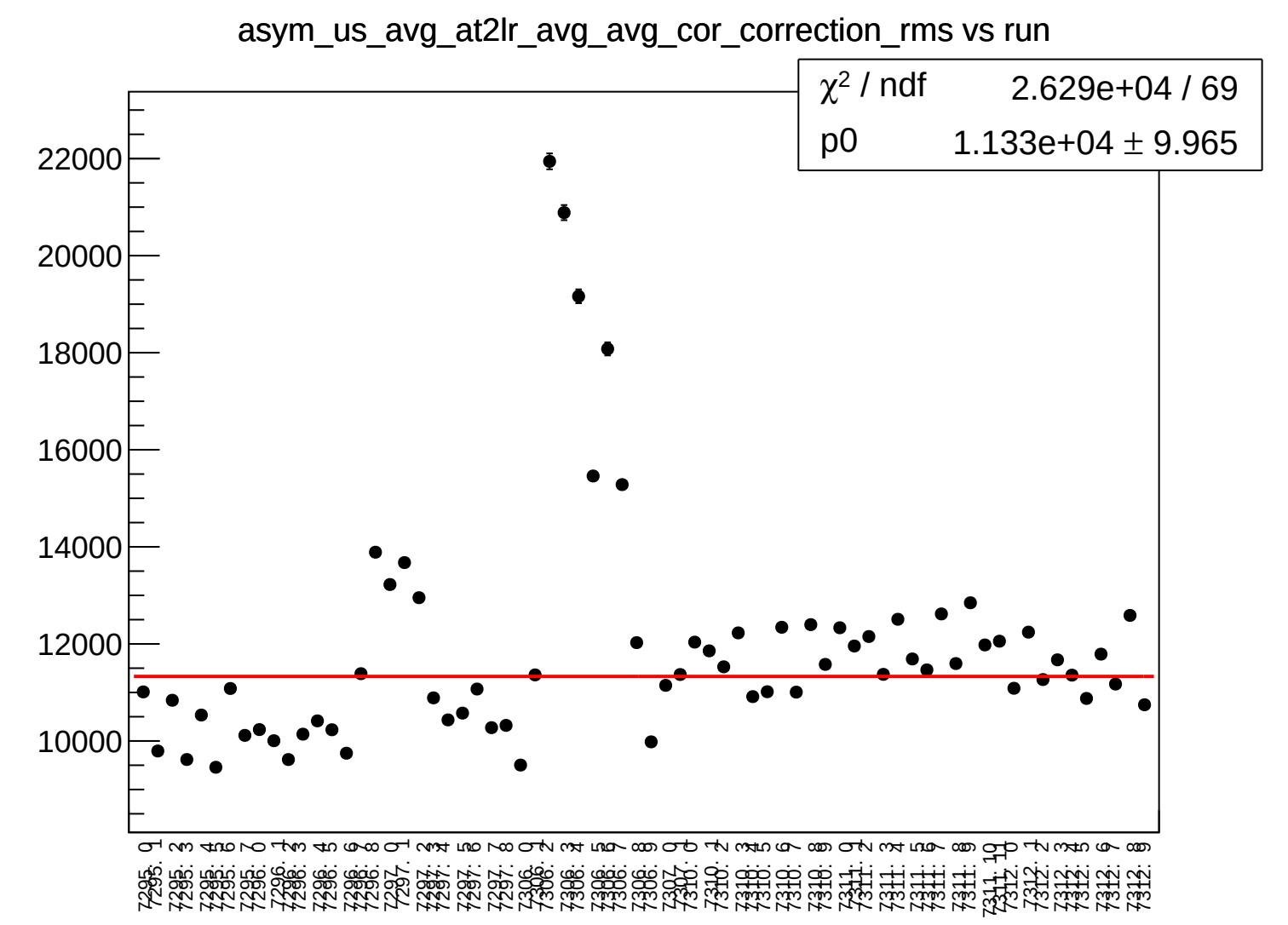

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 66.21 / 69
p0 −5530 ± 2610
pull
Entries 70
Mean −177.5
Std Dev 0

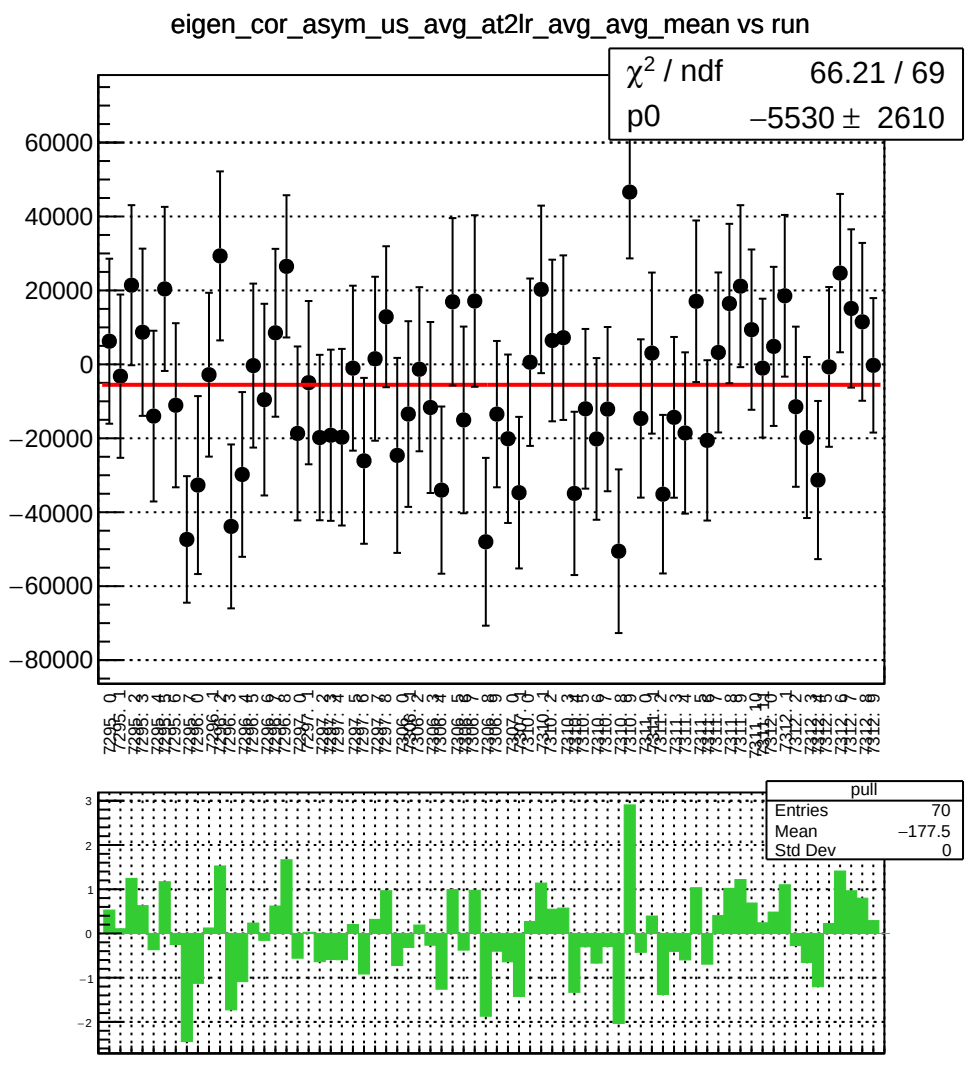

pull1D
Entries 70
Mean −0.01117
Std Dev 0.9725

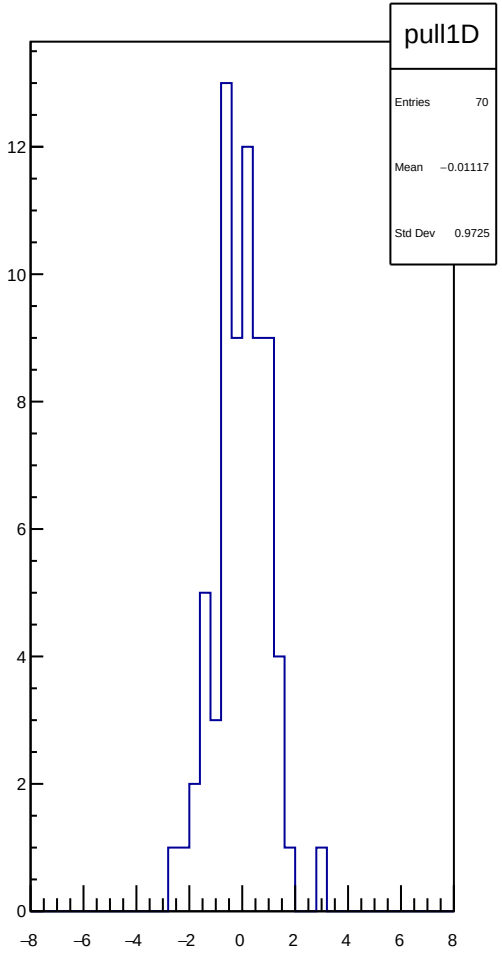

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2219 / 69
p0 2118 ± 1.846
2500
2400
2300
2200
2100
2000

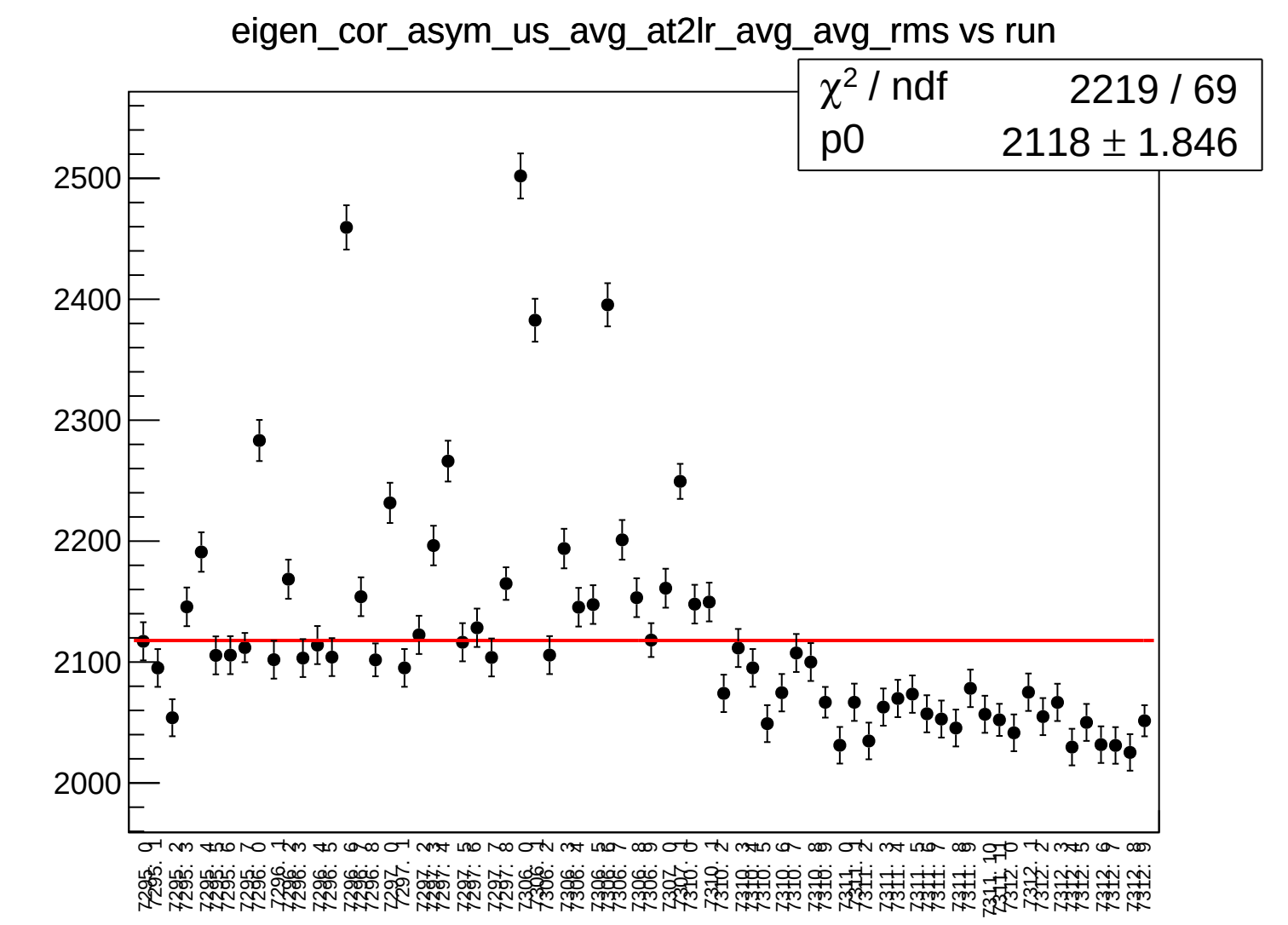

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.38 / 69
p0 −3078 ± 1.409e+04
400
200
0
−200
−400
pull
Entries 70
Mean 684.7
Std Dev 0
2
1
0
−1
−2

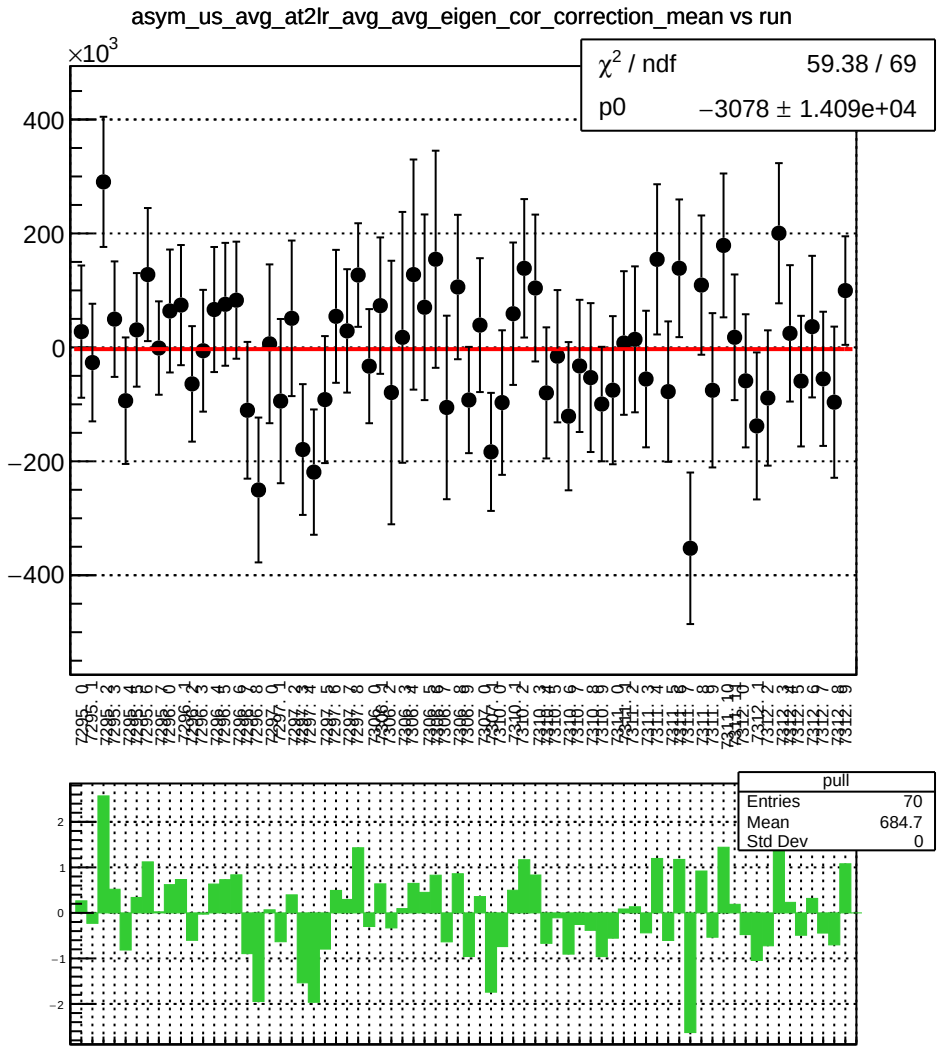

pull1D
Entries 70
Mean −0.002722
Std Dev 0.921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

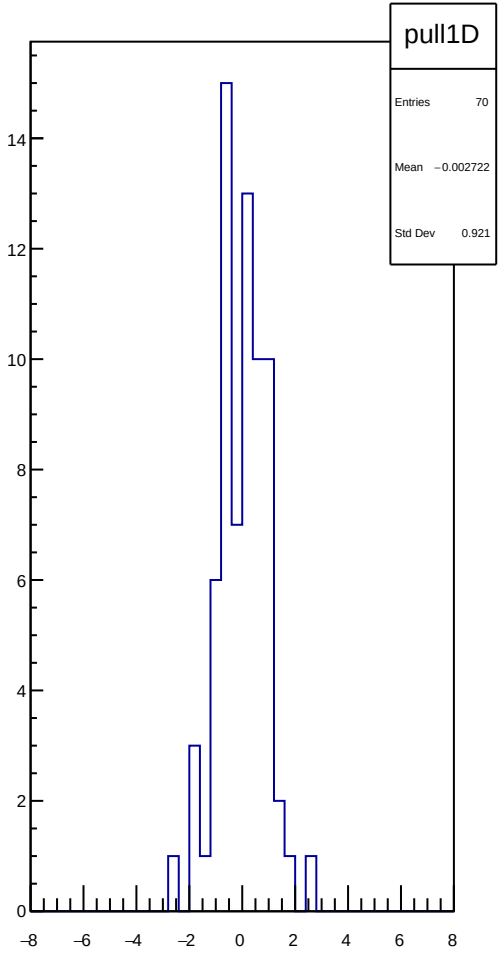

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.629e+04 / 69
p0 1.133e+04 ± 9.965
22000
20000
18000
16000
14000
12000
10000

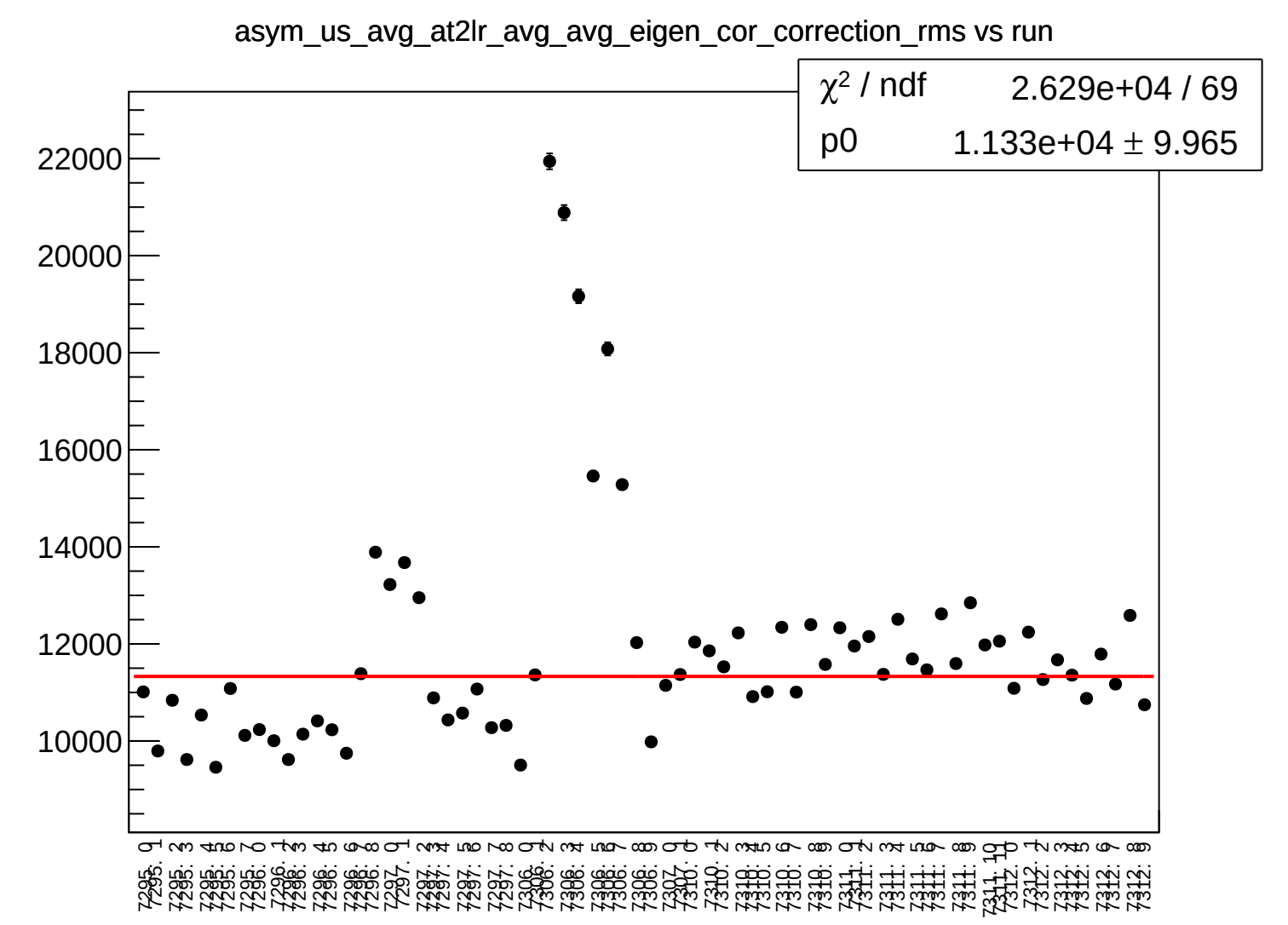

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 66.21 / 69
p0 −5530 ± 2610
pull
Entries 70
Mean −177.5
Std Dev 0

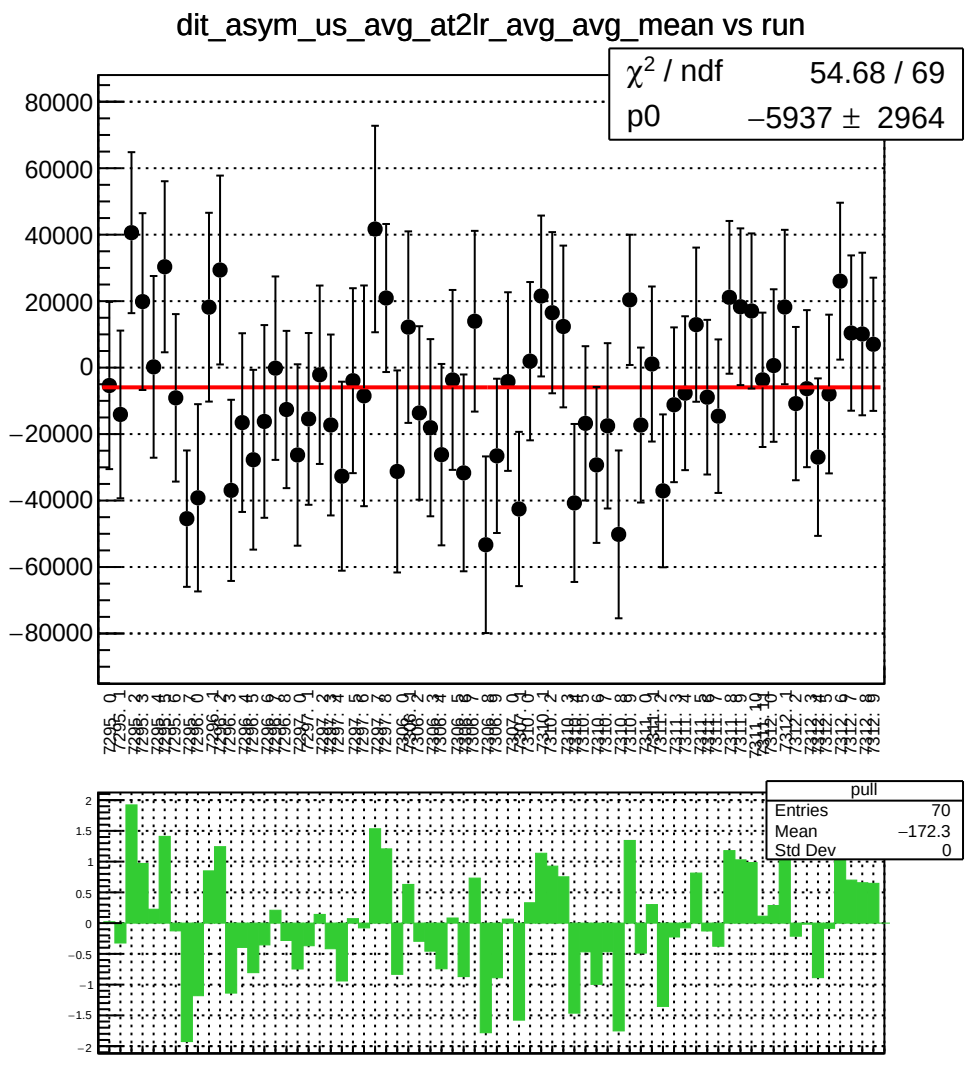

pull1D
Entries 70
Mean −0.01117
Std Dev 0.9725

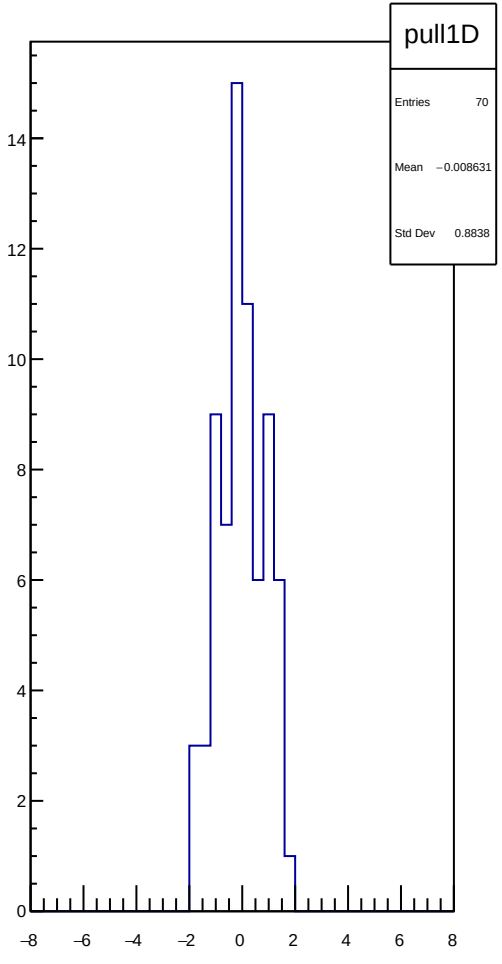

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2219 / 69
p0 2118 ± 1.846
2500
2400
2300
2200
2100
2000

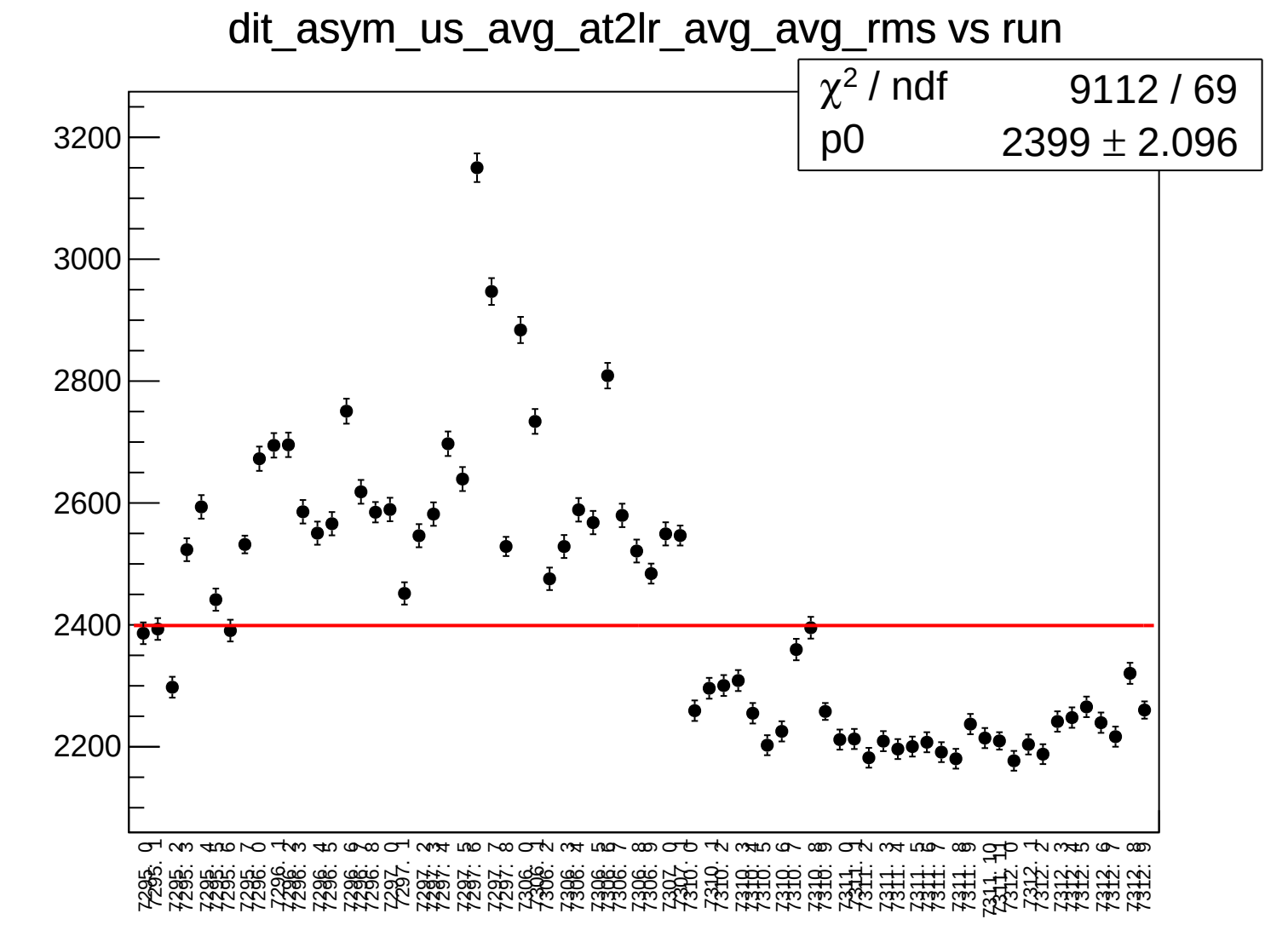

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.38 / 69
p0 −3078 ± 1.409e+04
400
200
0
−200
−400
pull
Entries 70
Mean 684.7
Std Dev 0
2
1
0
−1
−2

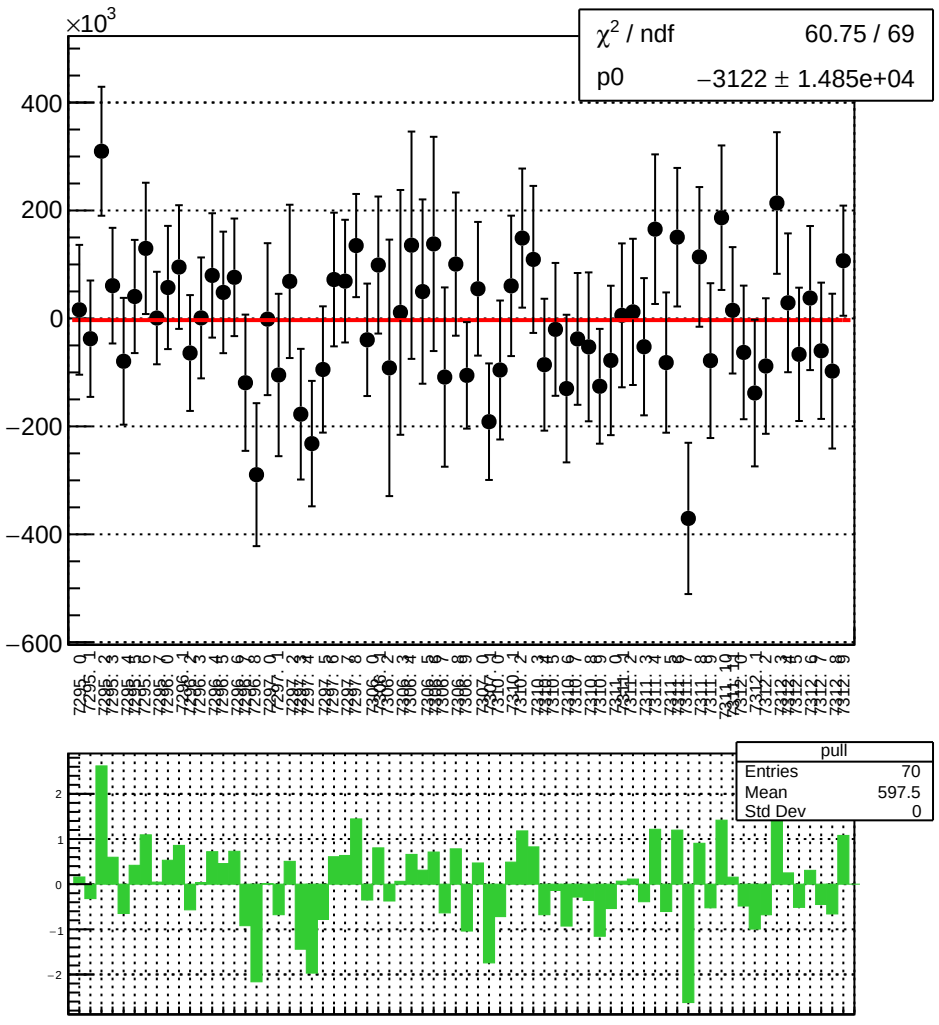

pull1D
Entries 70
Mean −0.002722
Std Dev 0.921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

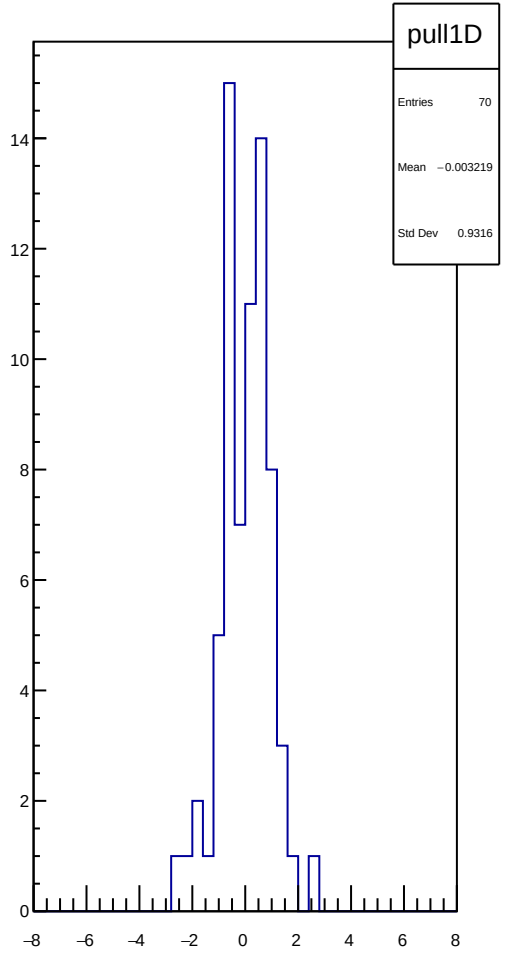

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.629e+04 / 69
p0 1.133e+04 ± 9.965
22000
20000
18000
16000
14000
12000
10000

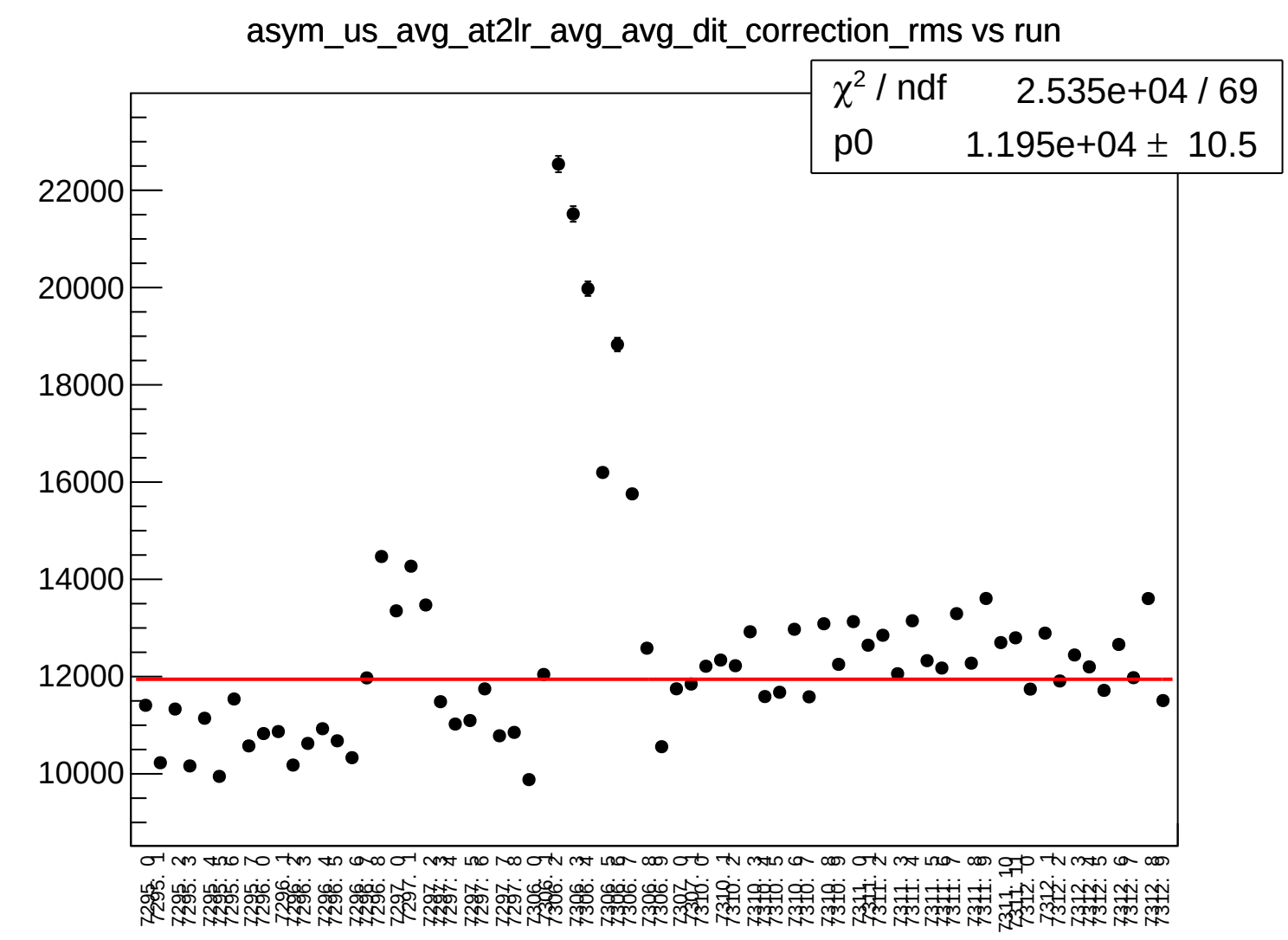

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 54.68 / 69
p0 −5937 ± 2964
pull
Entries 70
Mean −172.3
Std Dev 0

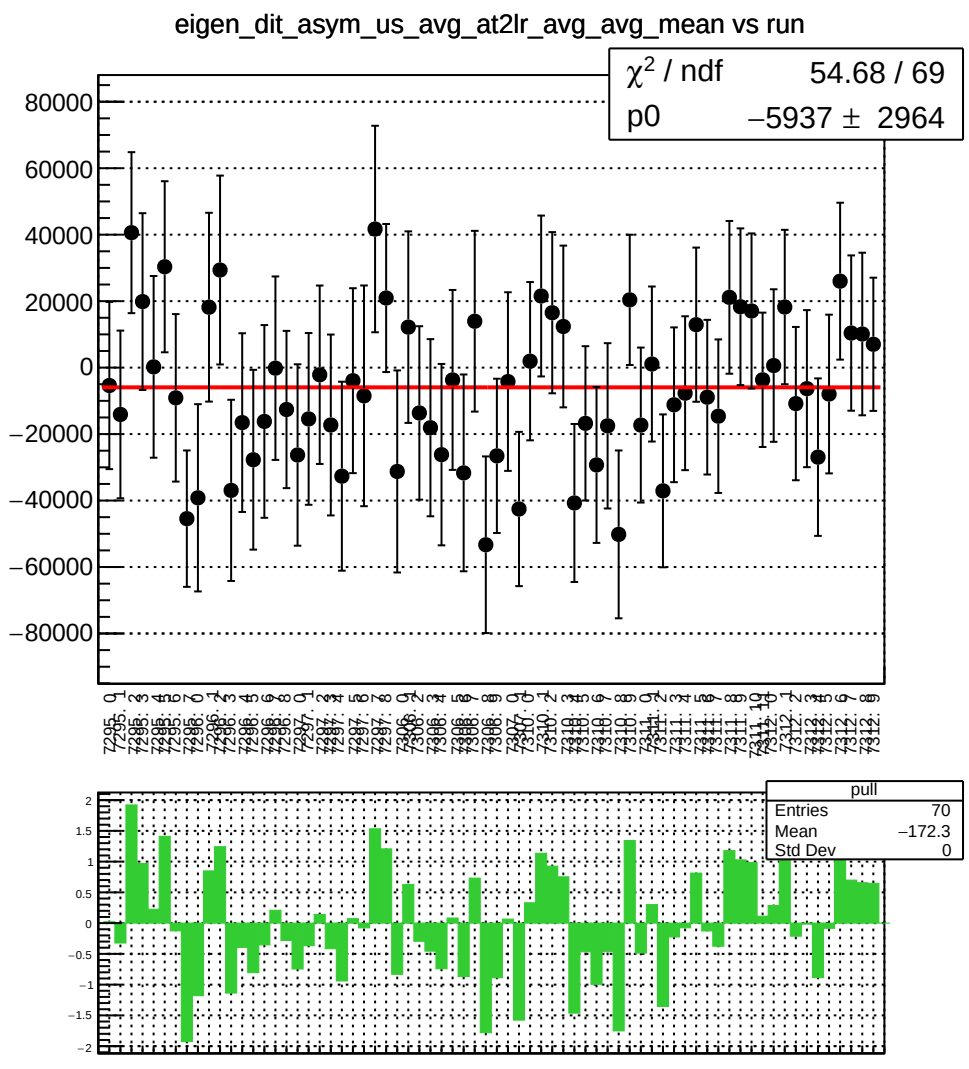

pull1D
Entries 70
Mean −0.008631
Std Dev 0.8838

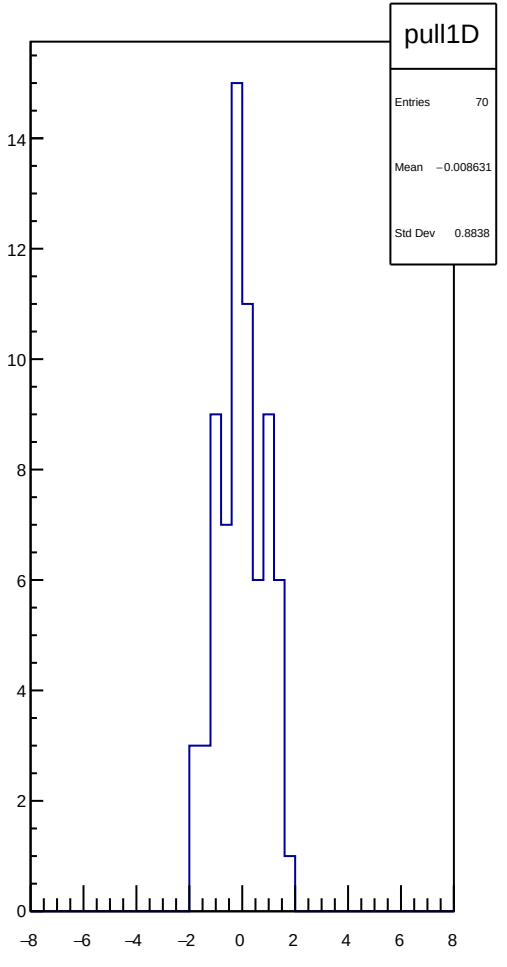

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 9112 / 69
p0 2399 ± 2.096
3200
3000
2800
2600
2400
2200

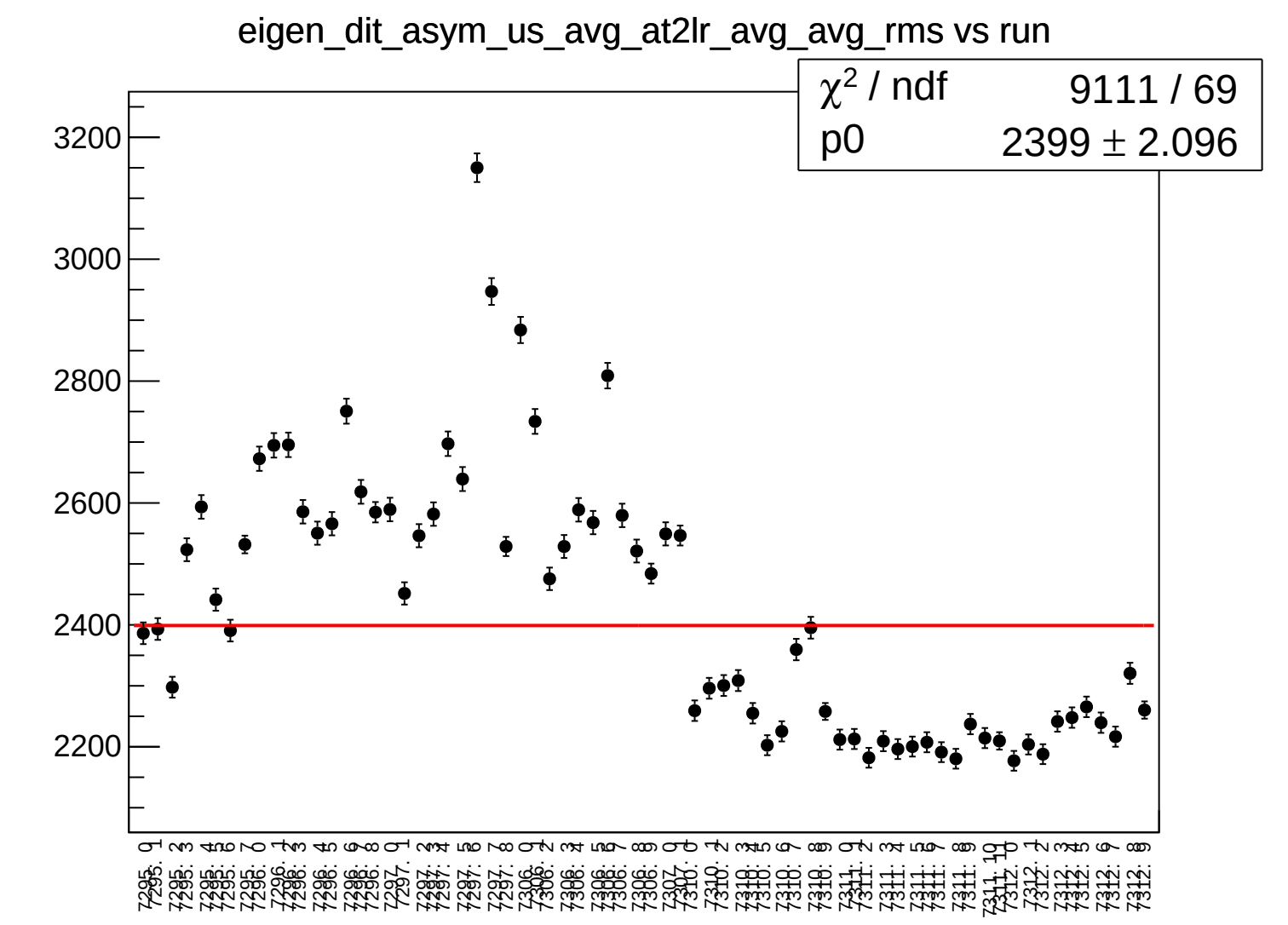

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.75 / 69
p0 −3122 ± 1.485e+04
pull
Entries 70
Mean 597.5
Std Dev 0

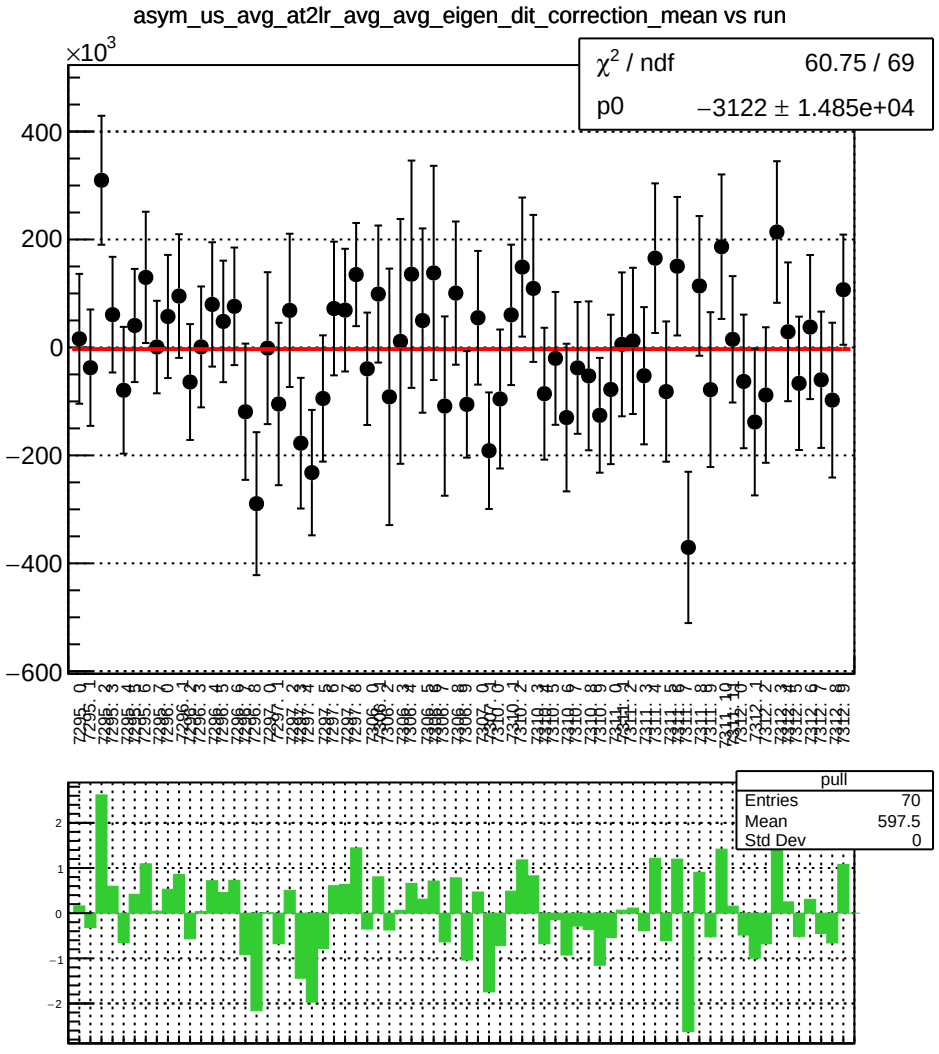

pull1D
Entries 70
Mean −0.003219
Std Dev 0.9316

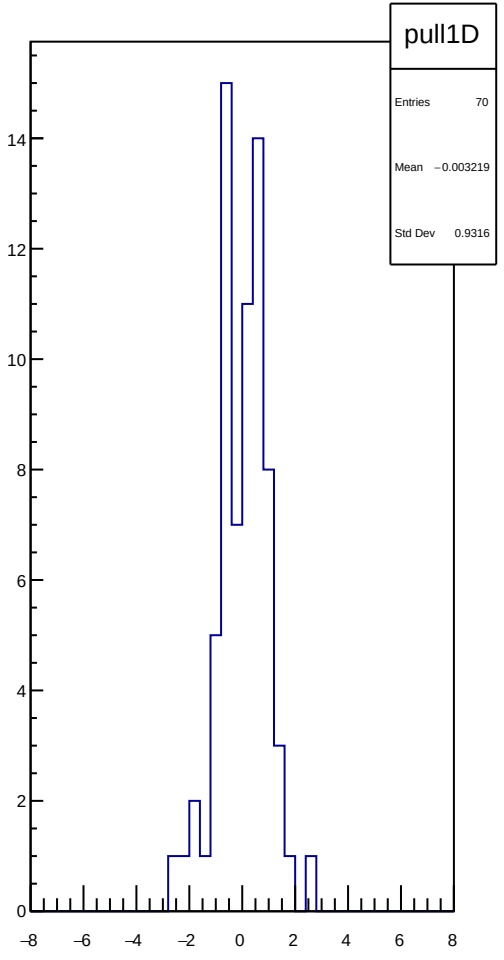

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.535e+04 / 69
p0 1.195e+04 ± 10.5
22000
20000
18000
16000
14000
12000
10000

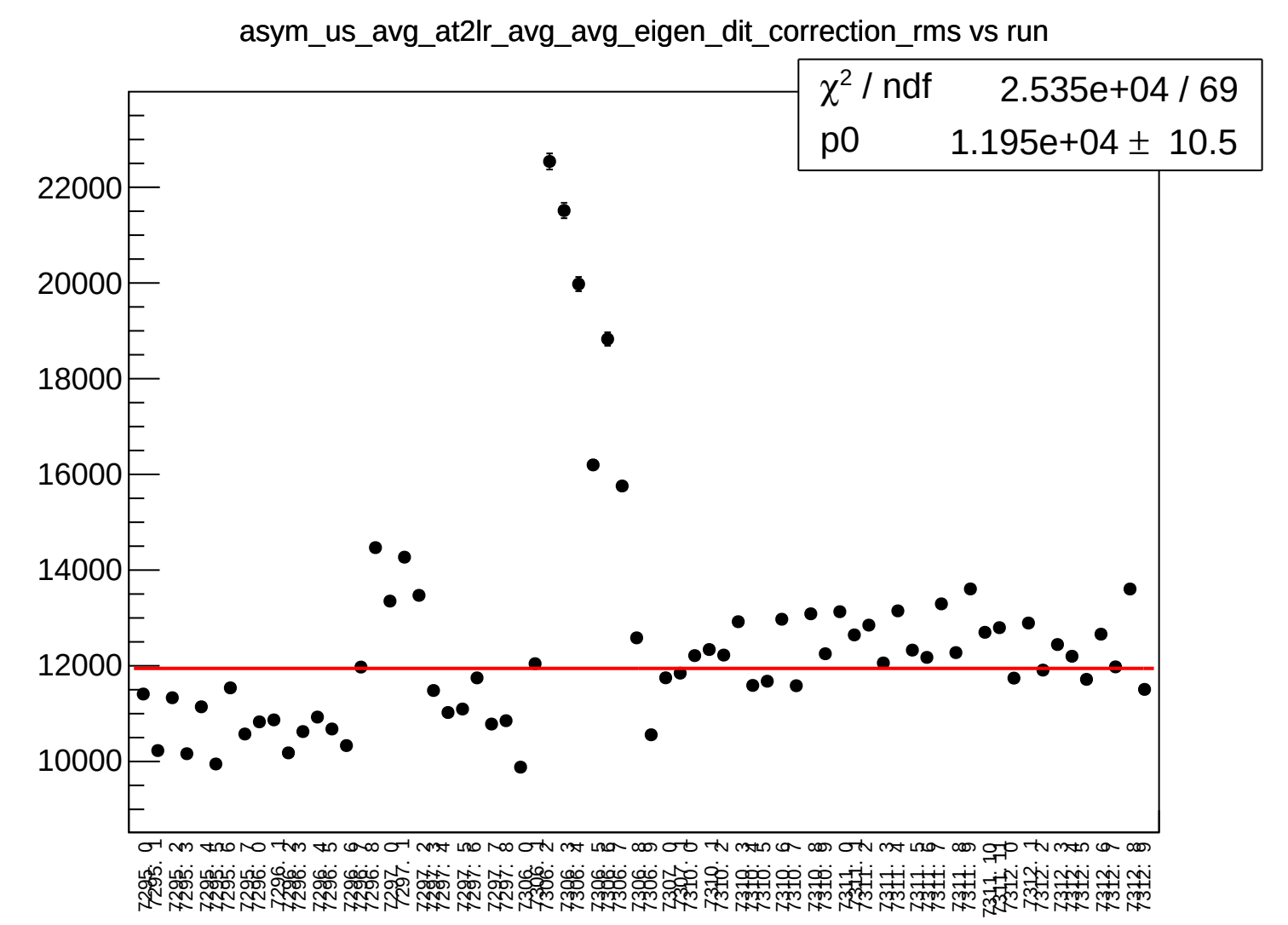

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 54.68 / 69
p0 −5937 ± 2964
pull
Entries 70
Mean −172.3
Std Dev 0

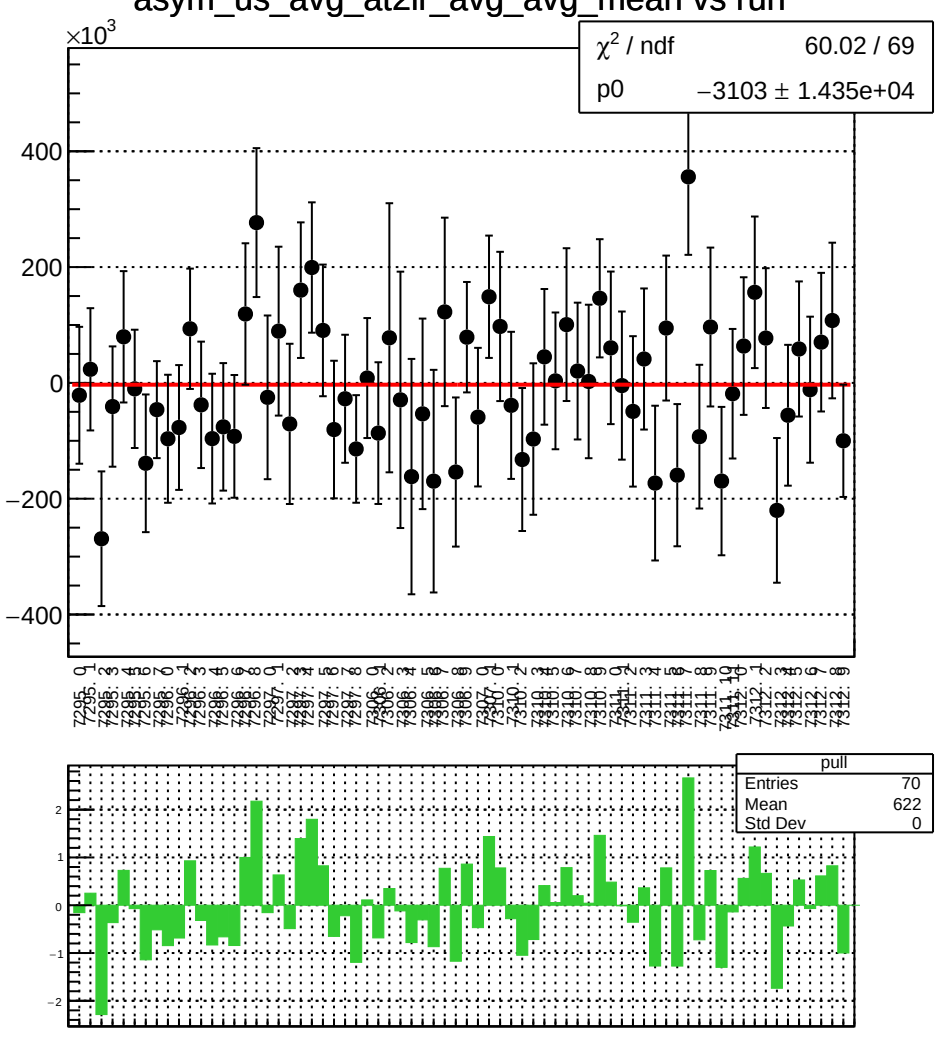

pull1D
Entries 70
Mean −0.008631
Std Dev 0.8838

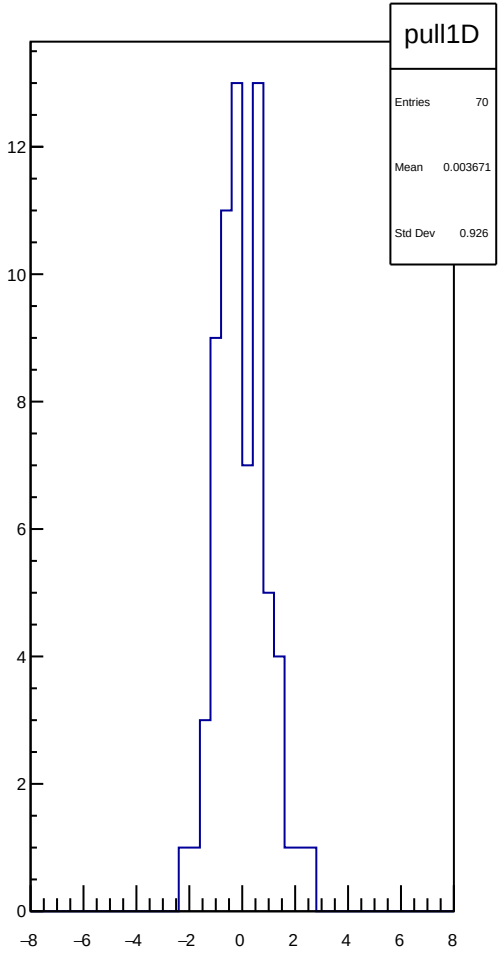

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 9111 / 69
p0 2399 ± 2.096
3200
3000
2800
2600
2400
2200

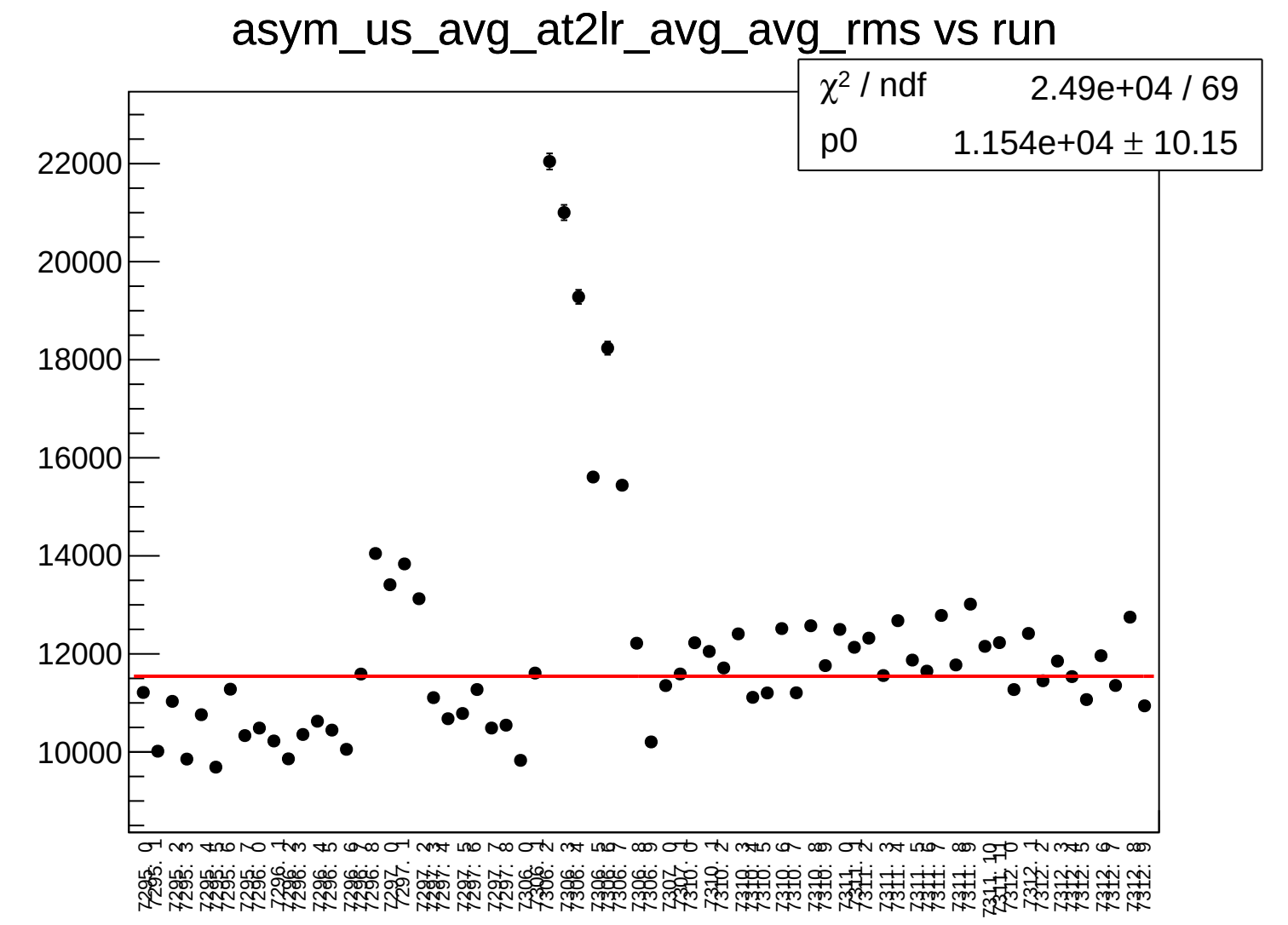

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.75 / 69
p0 −3122 ± 1.485e+04
pull
Entries 70
Mean 597.5
Std Dev 0

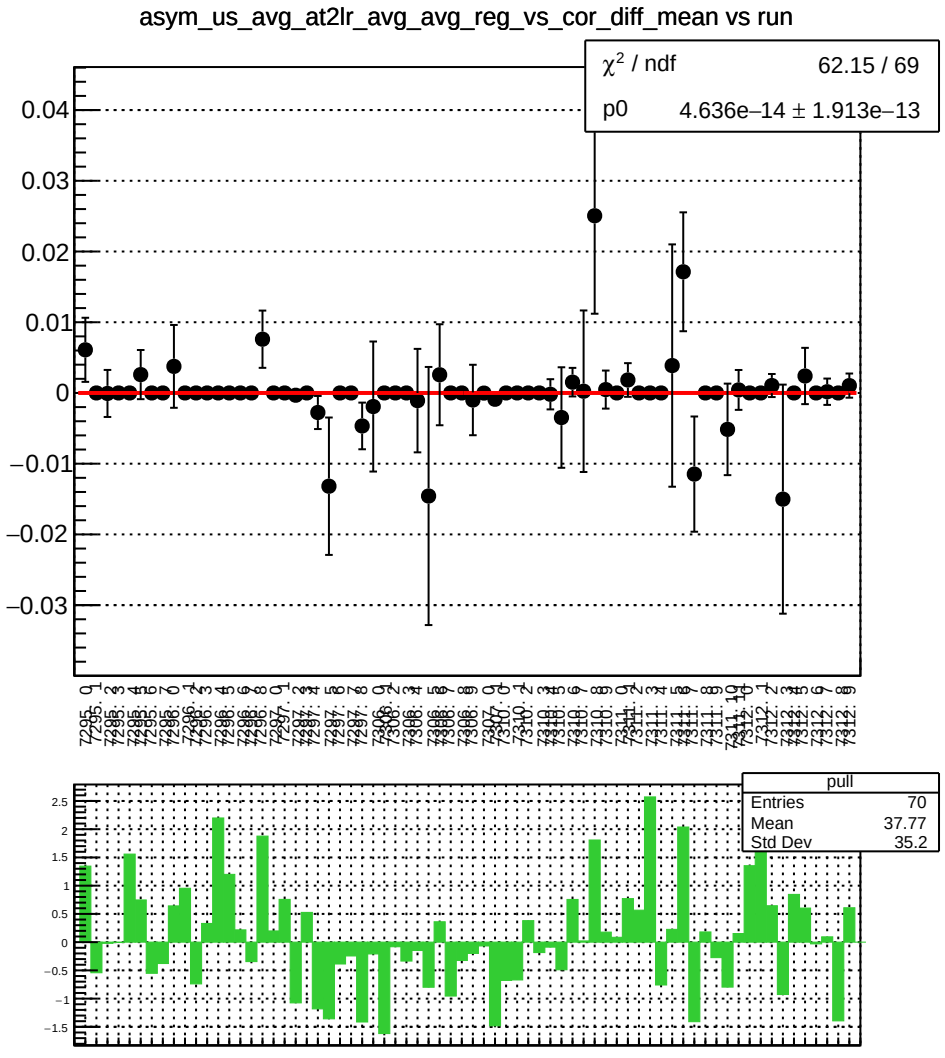

pull1D
Entries 70
Mean −0.003219
Std Dev 0.9316

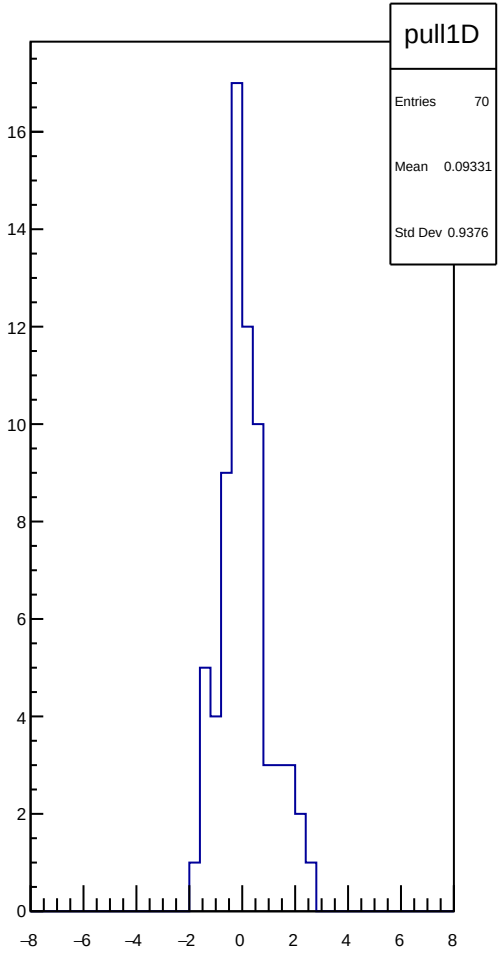

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.535e+04 / 69
p0 1.195e+04 ± 10.5
22000
20000
18000
16000
14000
12000
10000

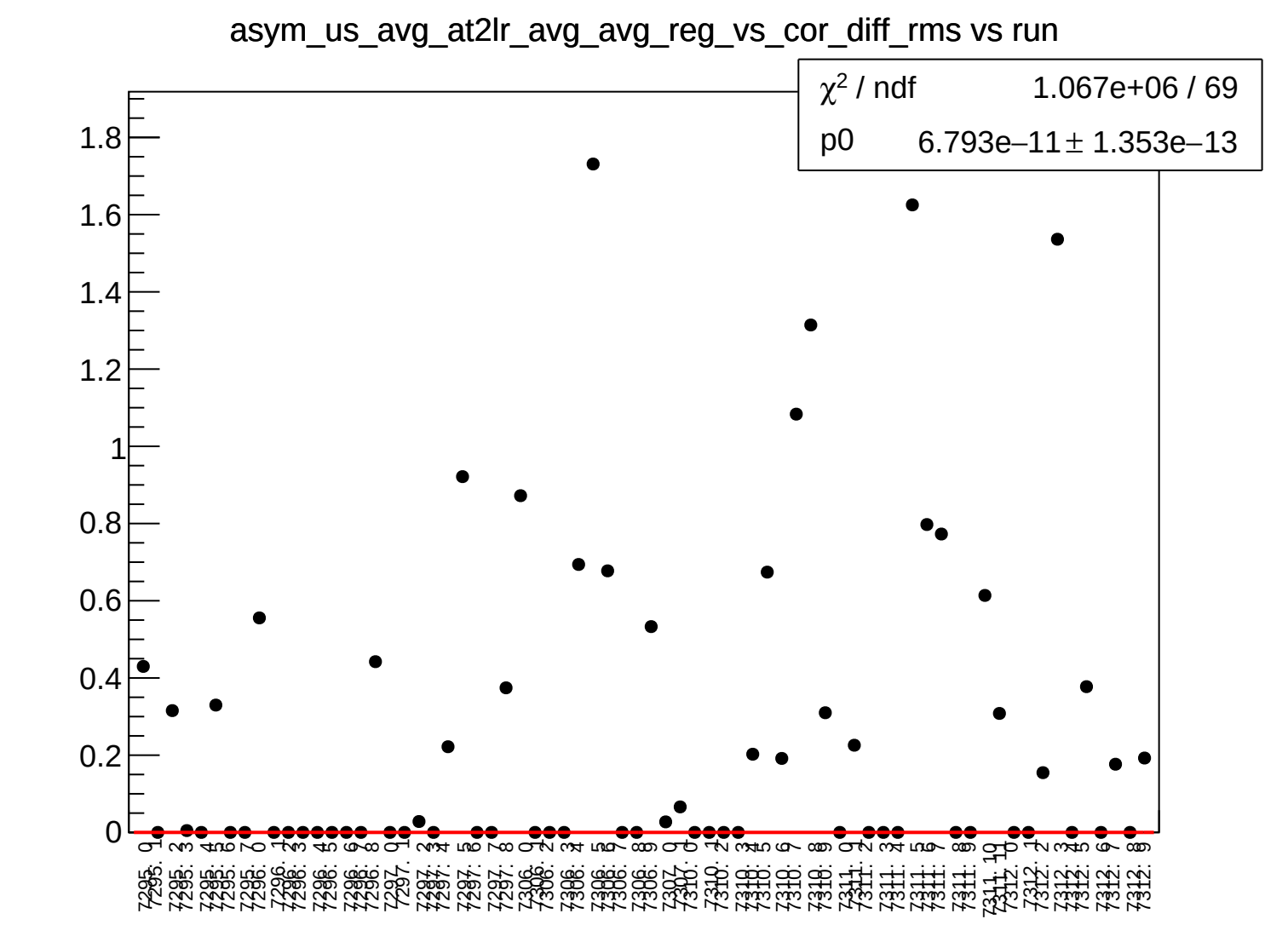

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 60.02 / 69
p0 −3103 ± 1.435e+04
400
200
0
−200
−400
pull
Entries 70
Mean 622
Std Dev 0
2
1
0
−1
−2

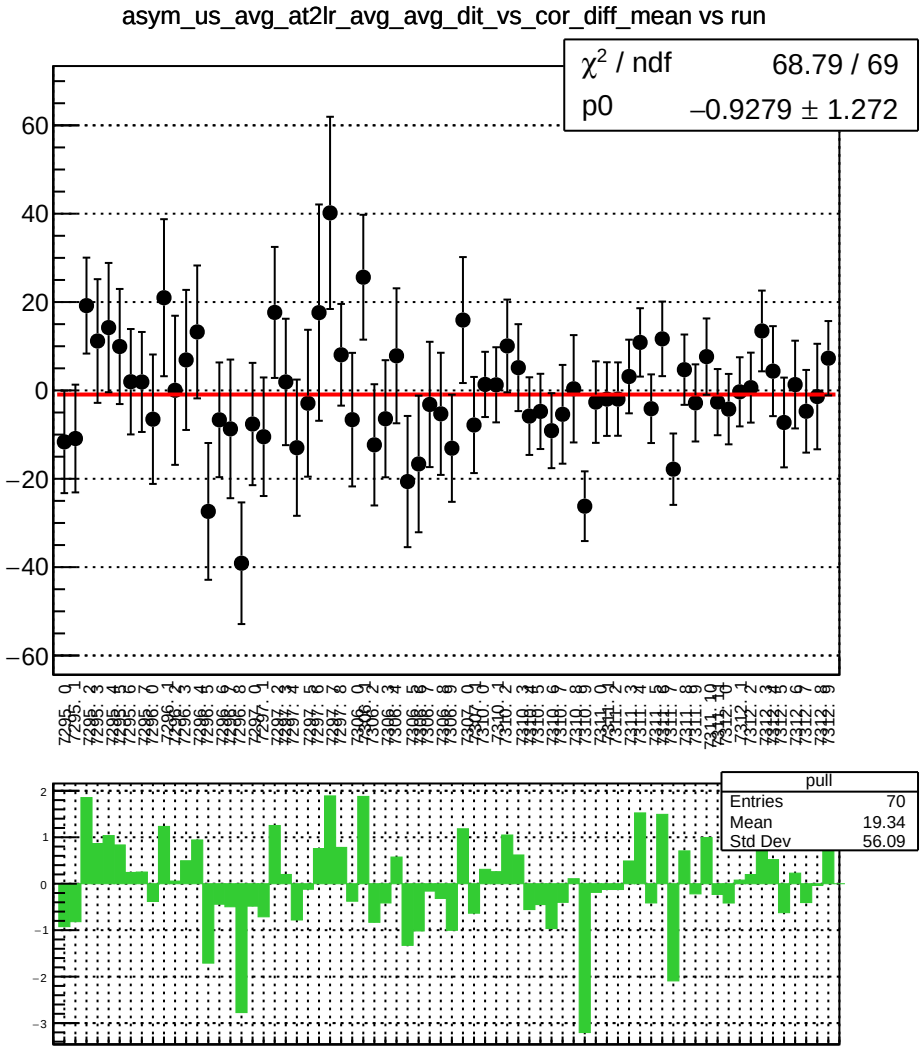

pull1D
Entries 70
Mean 0.003671
Std Dev 0.926
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

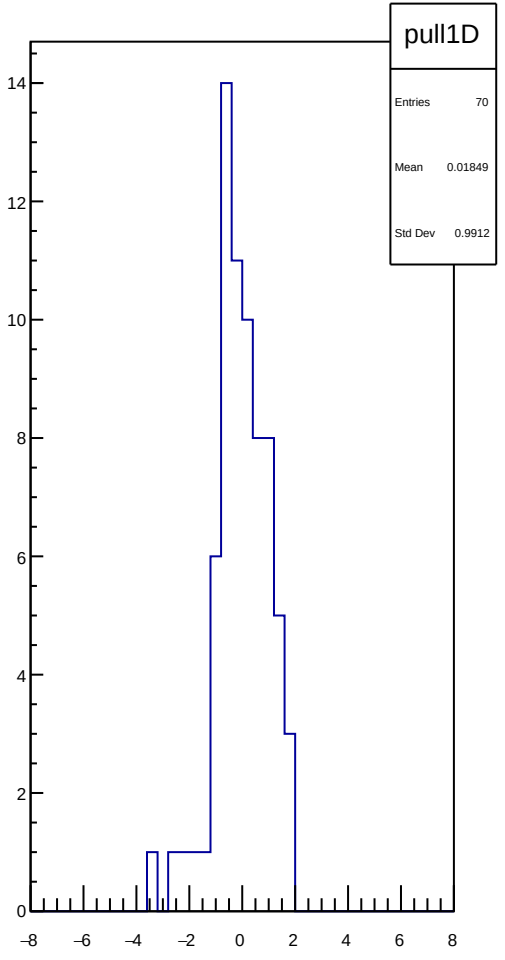

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2.49e+04 / 69
p0 1.154e+04 ± 10.15
22000
20000
18000
16000
14000
12000
10000

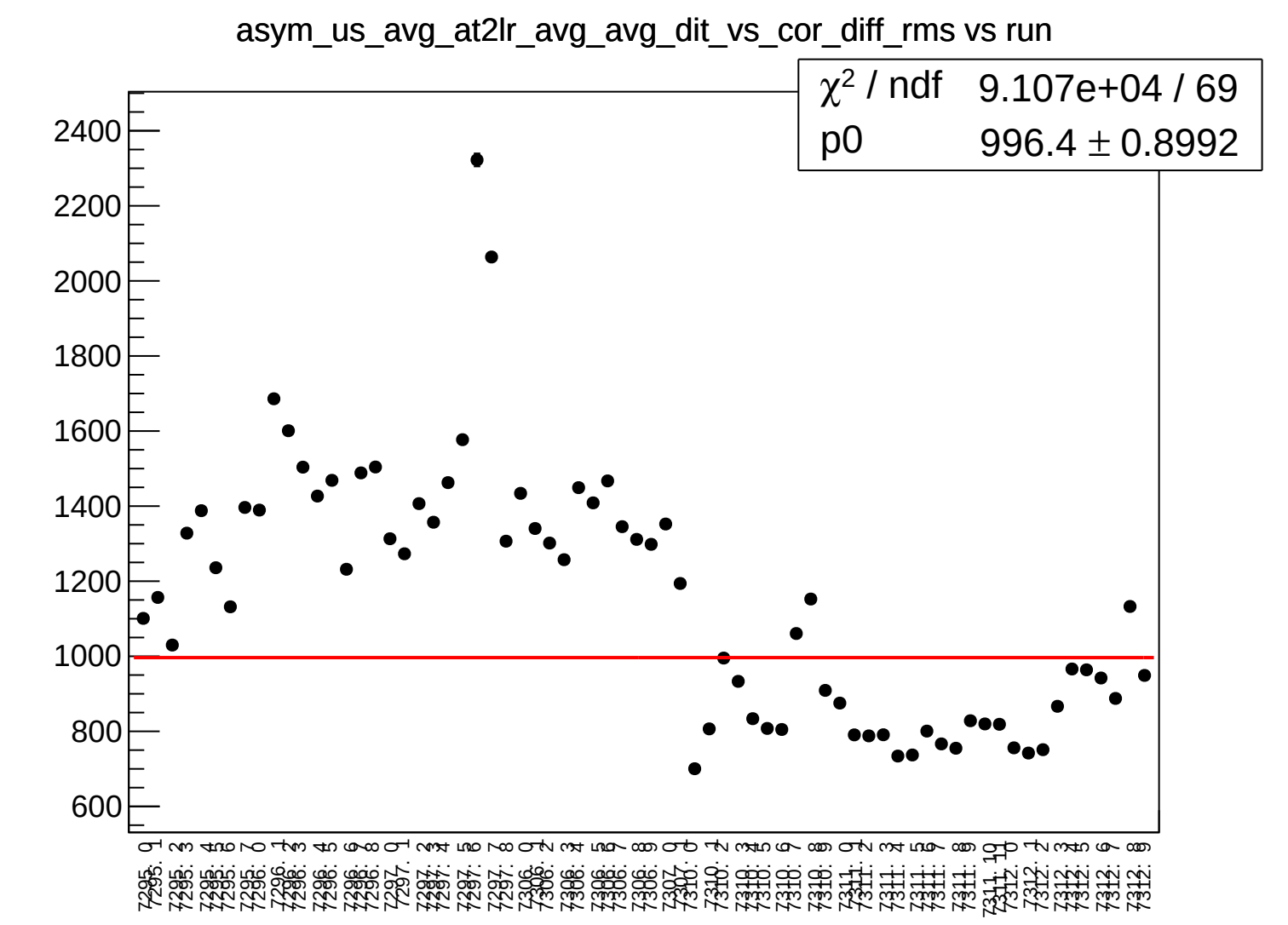

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.15 / 69
p0 4.636e−14 ± 1.913e−13
pull
Entries 70
Mean 37.77
Std Dev 35.2

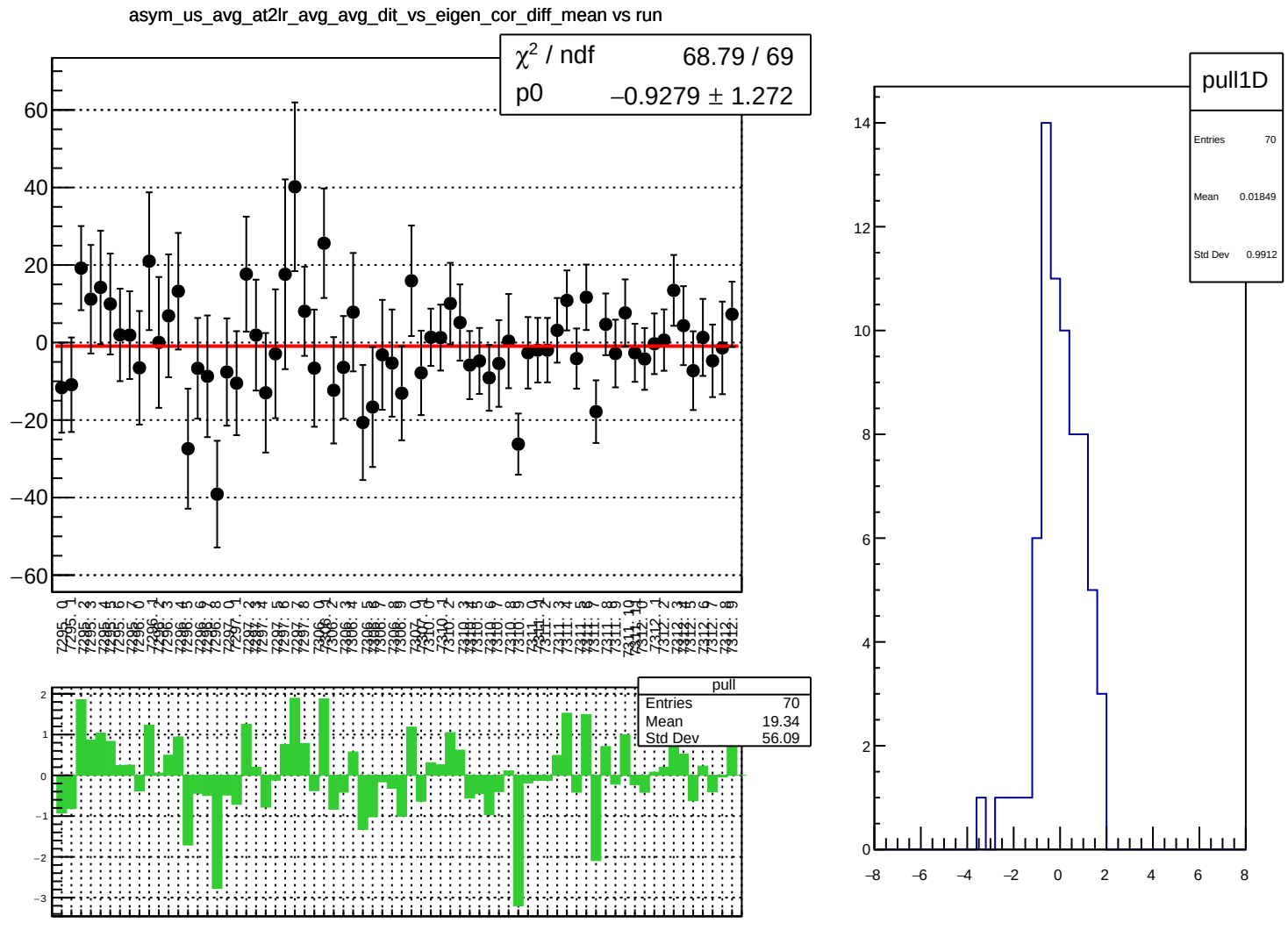

pull1D
Entries 70
Mean 0.09331
Std Dev 0.9376

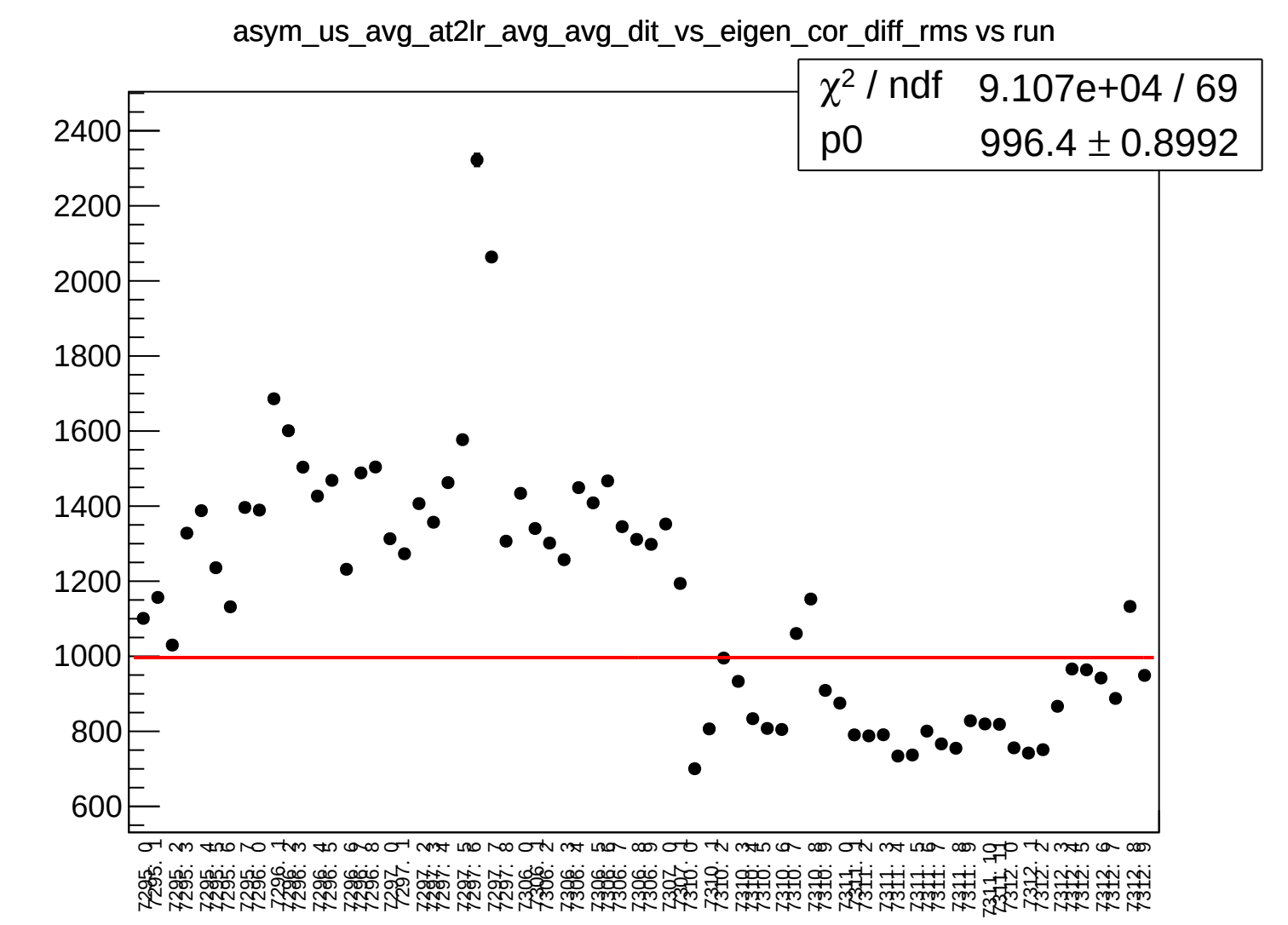

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.067e+06 / 69
p0 6.793e−11 ± 1.353e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

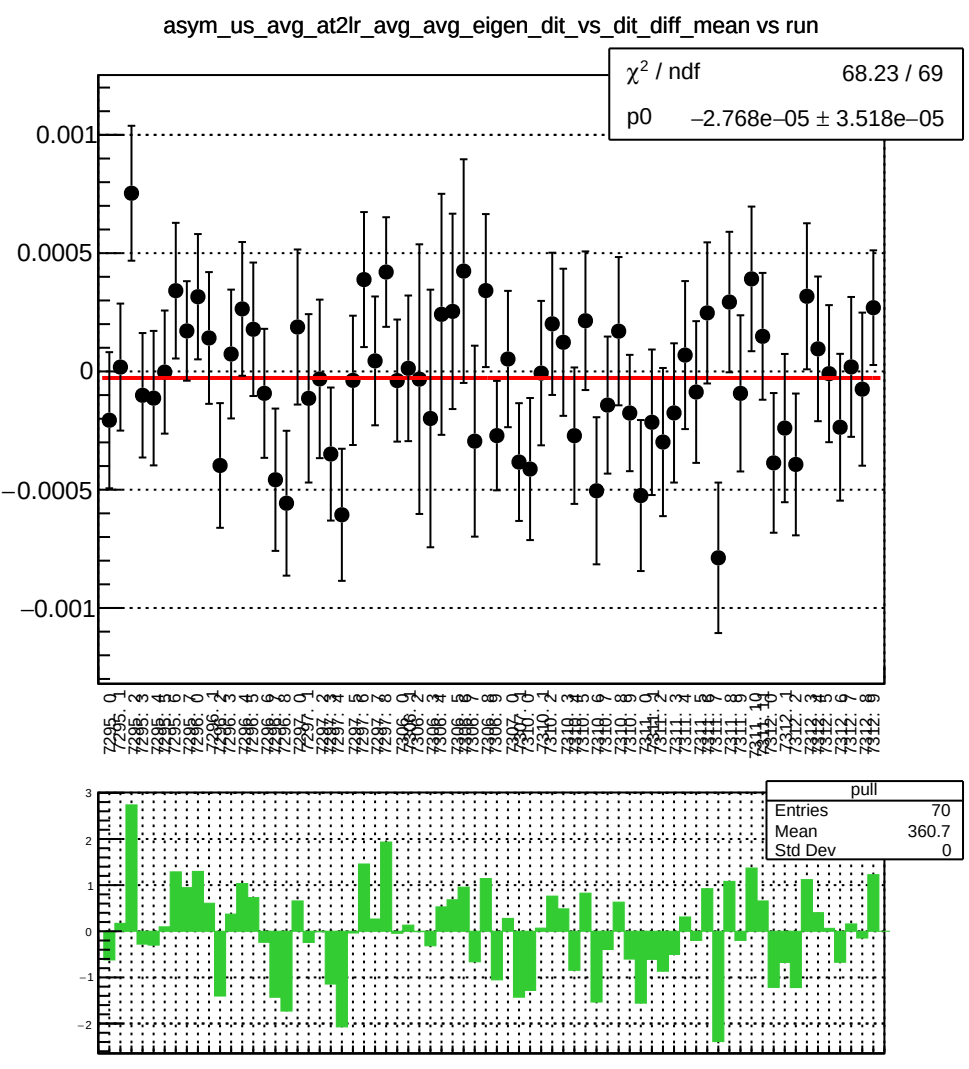

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.79 / 69
p0 −0.9279 ± 1.272
pull
Entries 70
Mean 19.34
Std Dev 56.09

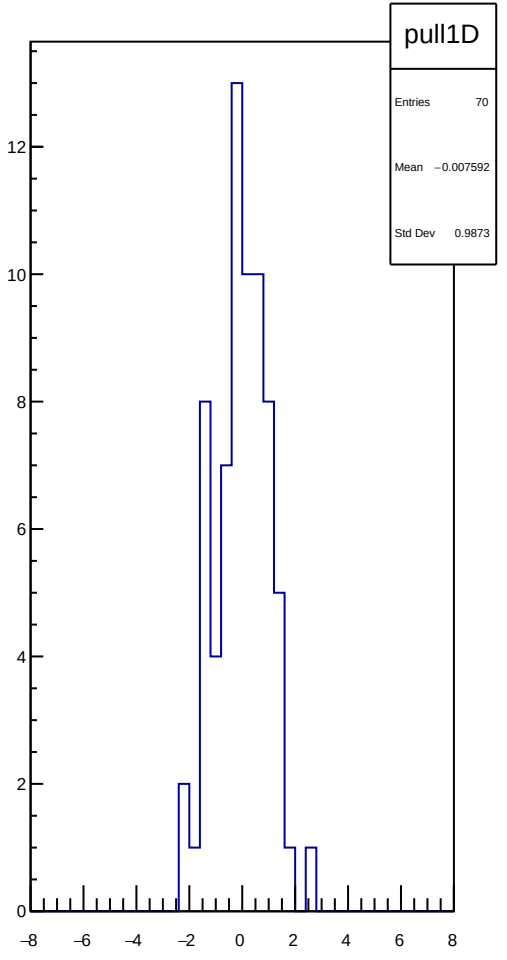

pull1D
Entries 70
Mean 0.01849
Std Dev 0.9912

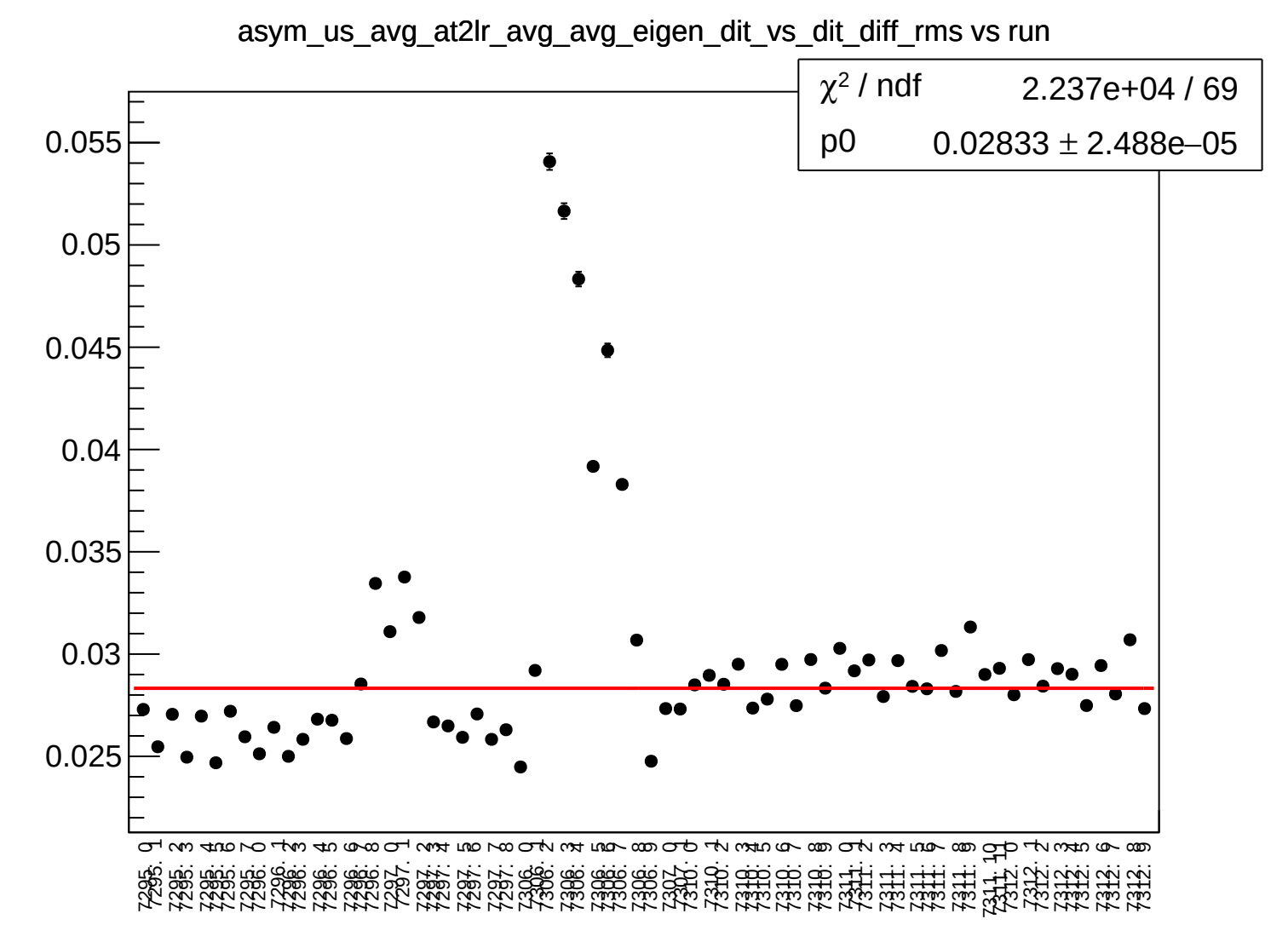

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.107e+04 / 69
p0 996.4 ± 0.8992
2400
2200
2000
1800
1600
1400
1200
1000
800
600

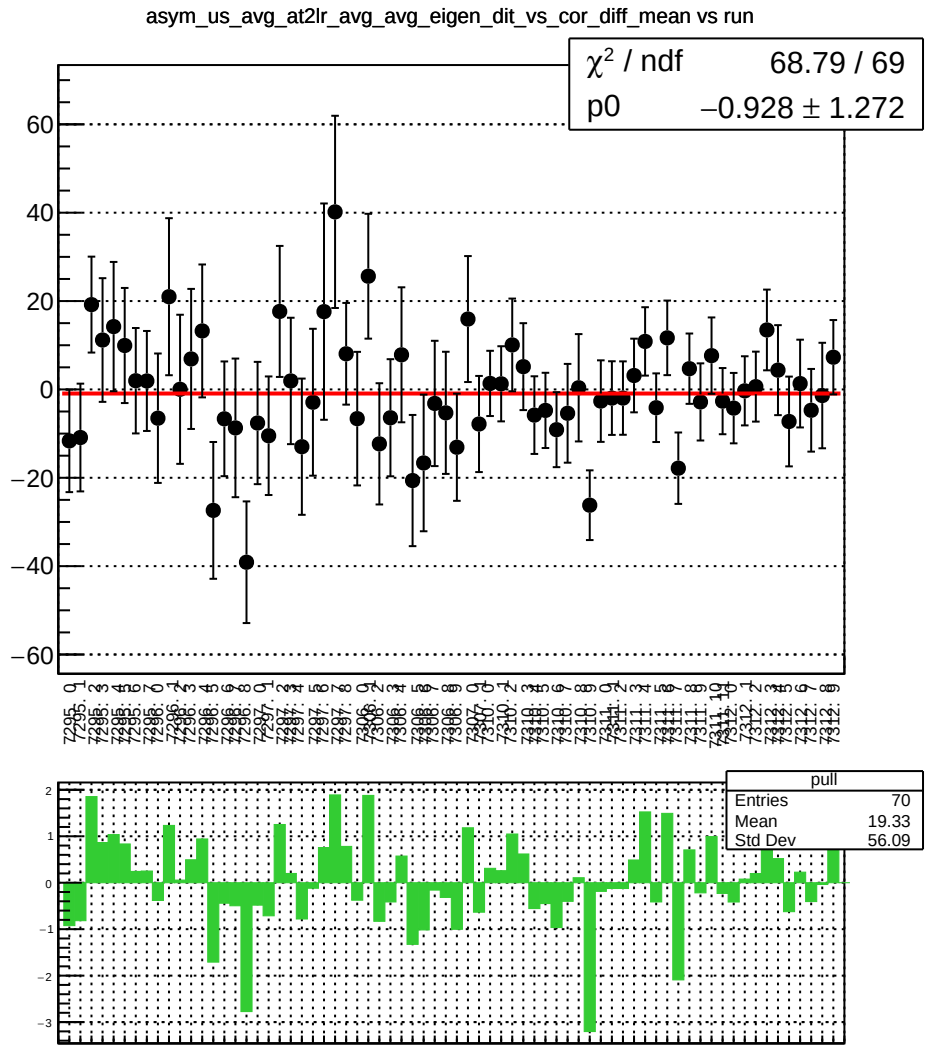

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.79 / 69
p0 −0.9279 ± 1.272
pull
Entries 70
Mean 19.34
Std Dev 56.09
pull1D
Entries 70
Mean 0.01849
Std Dev 0.9912

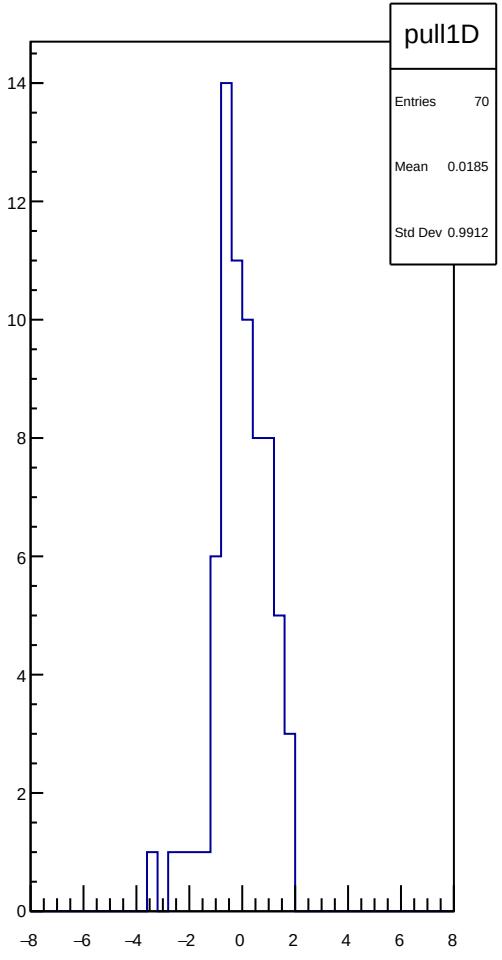

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.107e+04 / 69
p0 996.4 ± 0.8992
2400
2200
2000
1800
1600
1400
1200
1000
800
600

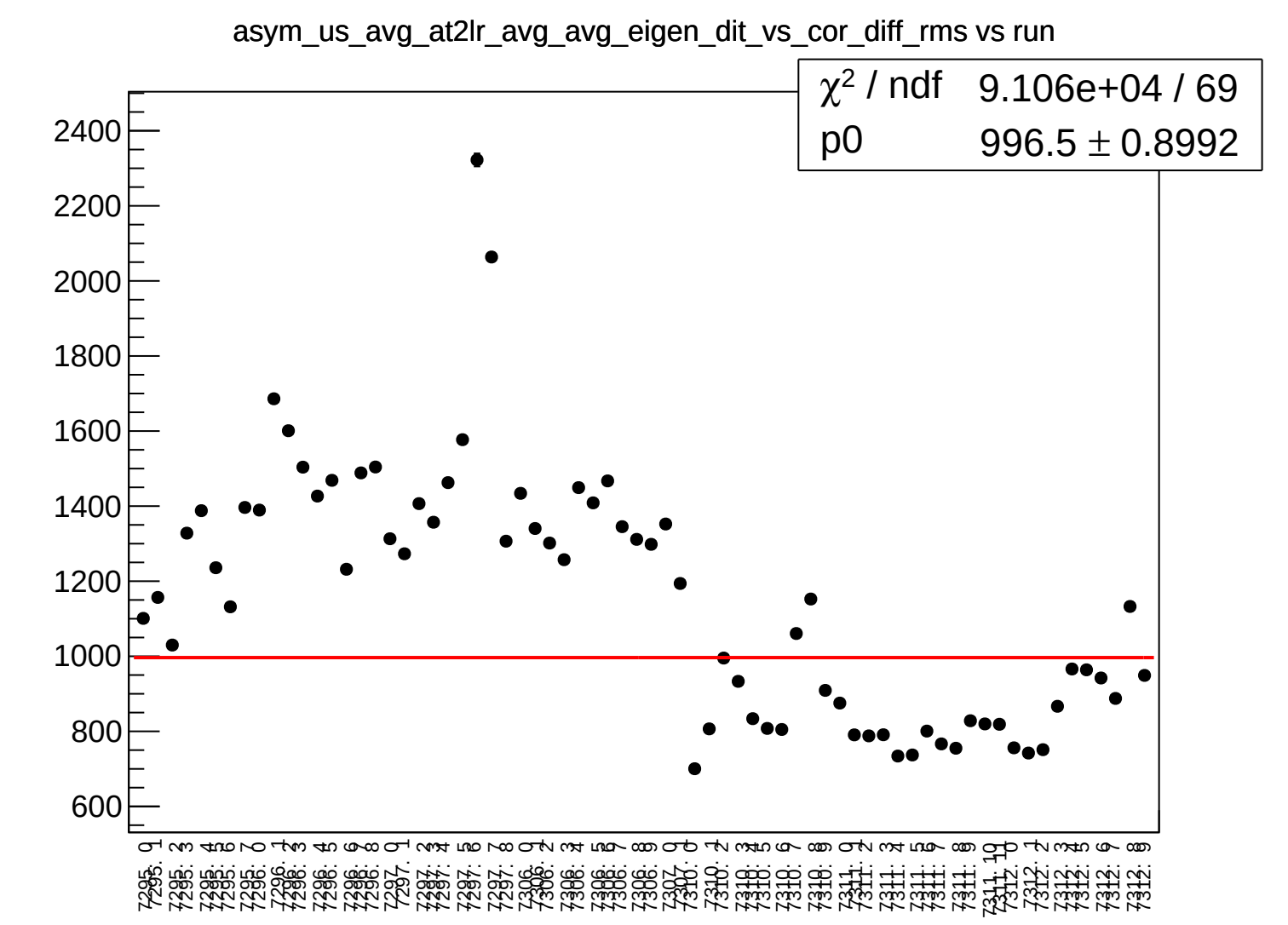

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.23 / 69
p0 −2.768e−05 ± 3.518e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 360.7
Std Dev 0

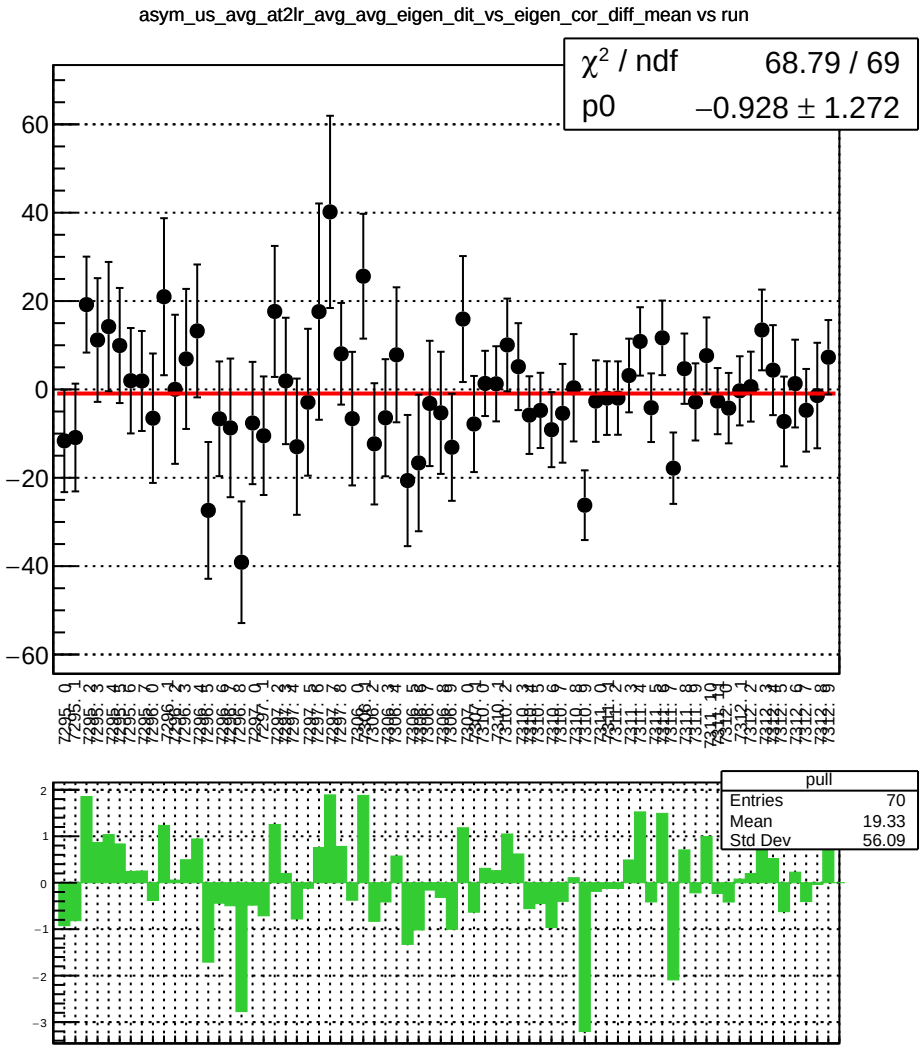

pull1D
Entries 70
Mean −0.007592
Std Dev 0.9873
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

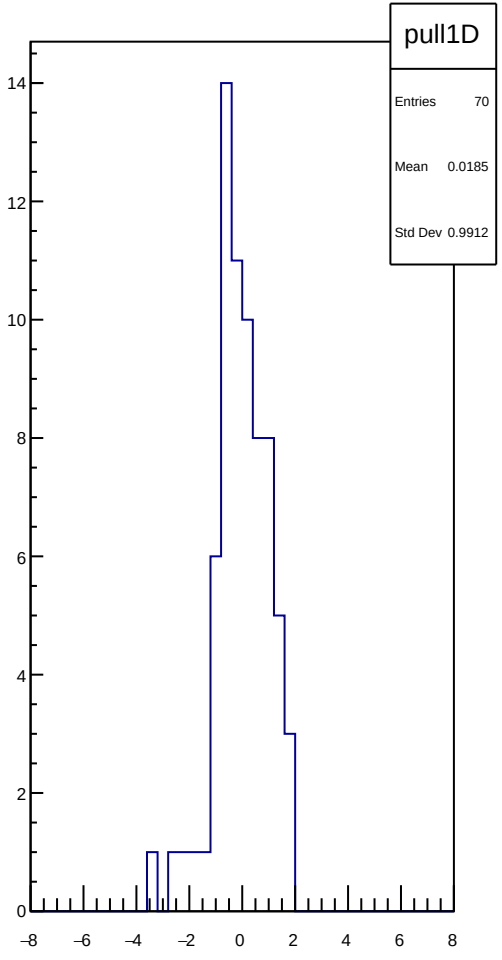

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.237e+04 / 69
p0 0.02833 ± 2.488e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025

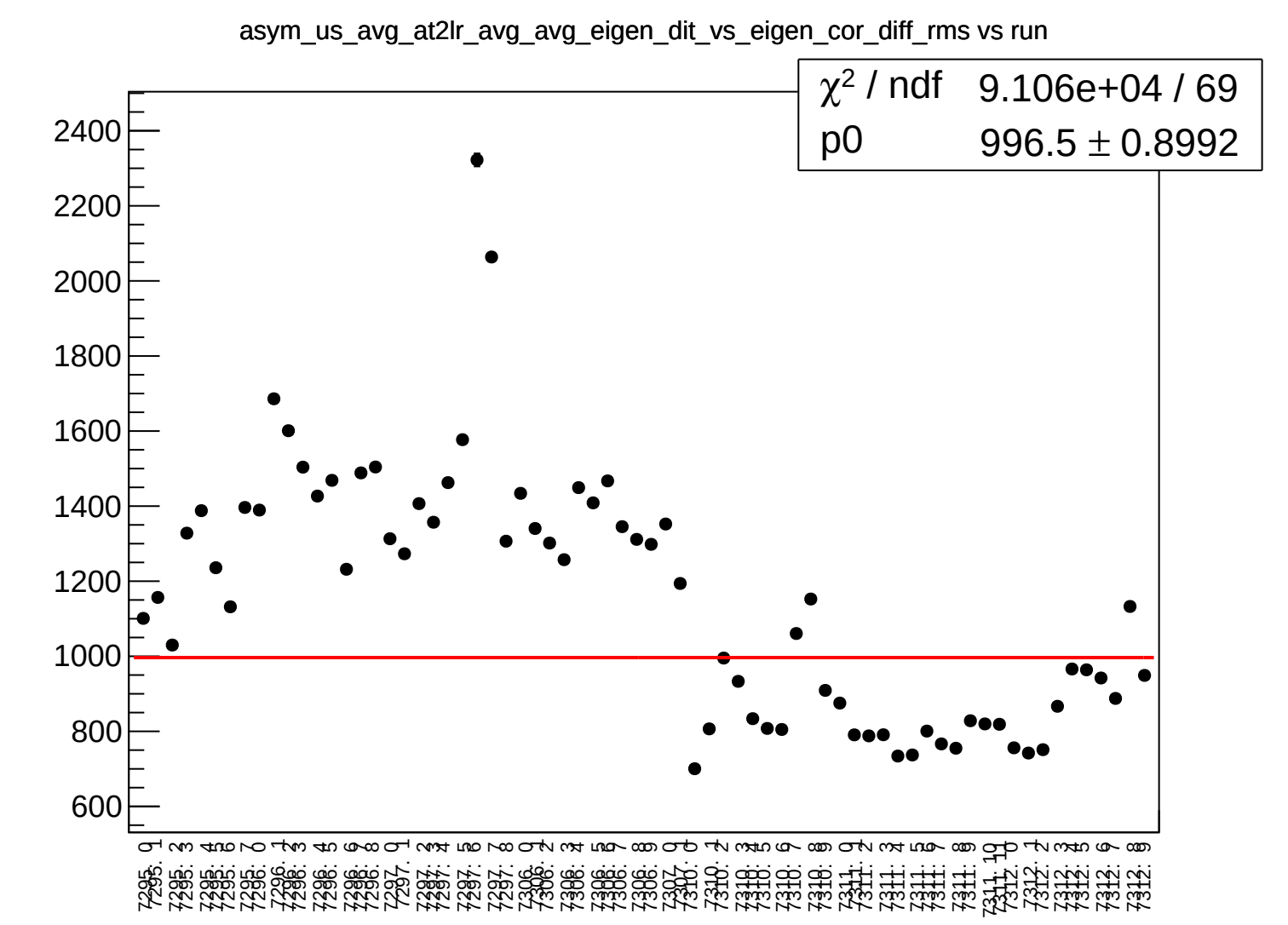

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.79 / 69
p0 −0.928 ± 1.272
pull
Entries 70
Mean 19.33
Std Dev 56.09

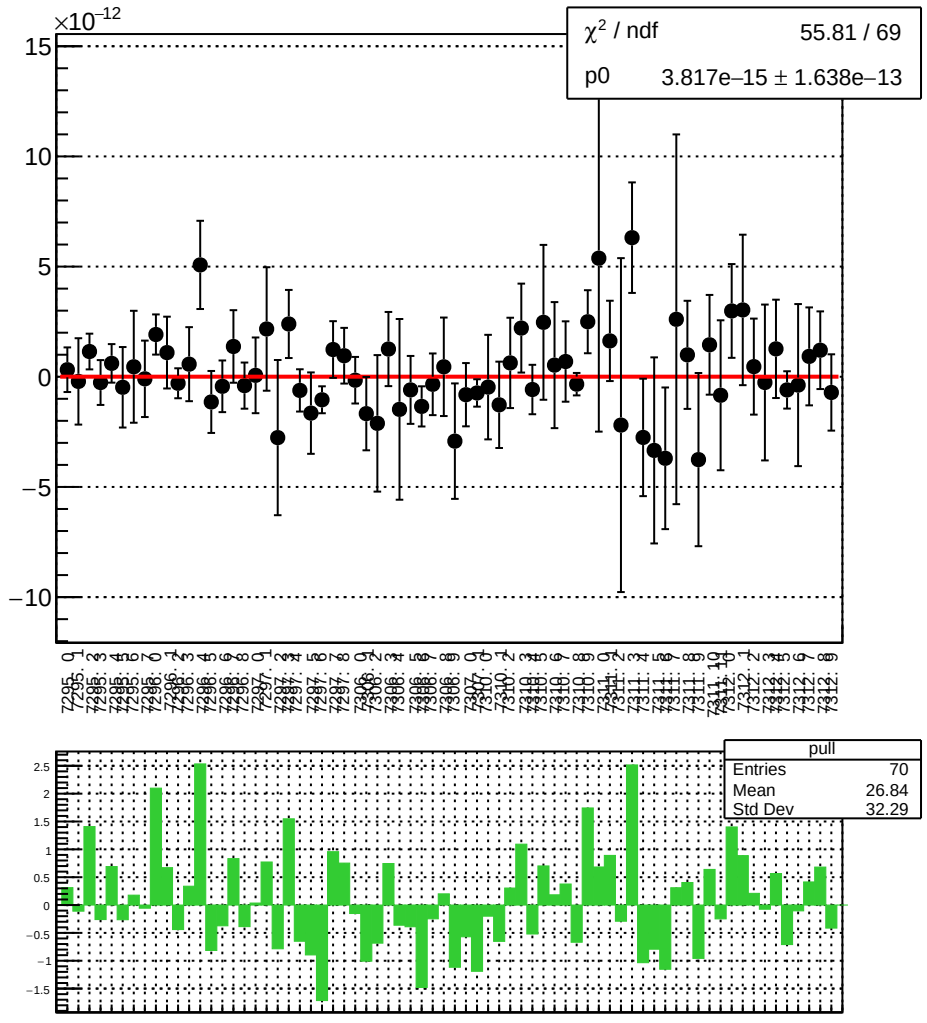

pull1D
Entries 70
Mean 0.0185
Std Dev 0.9912

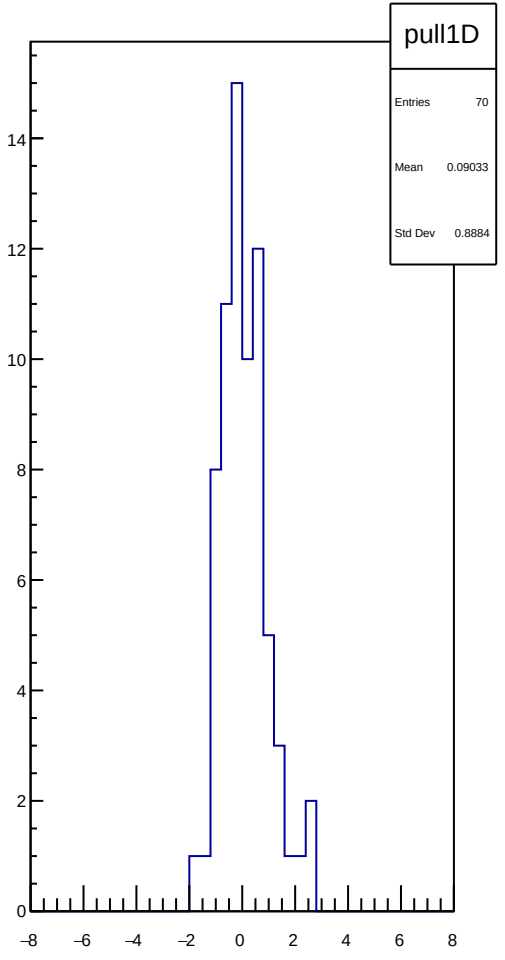

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.106e+04 / 69
p0 996.5 ± 0.8992
2400
2200
2000
1800
1600
1400
1200
1000
800
600

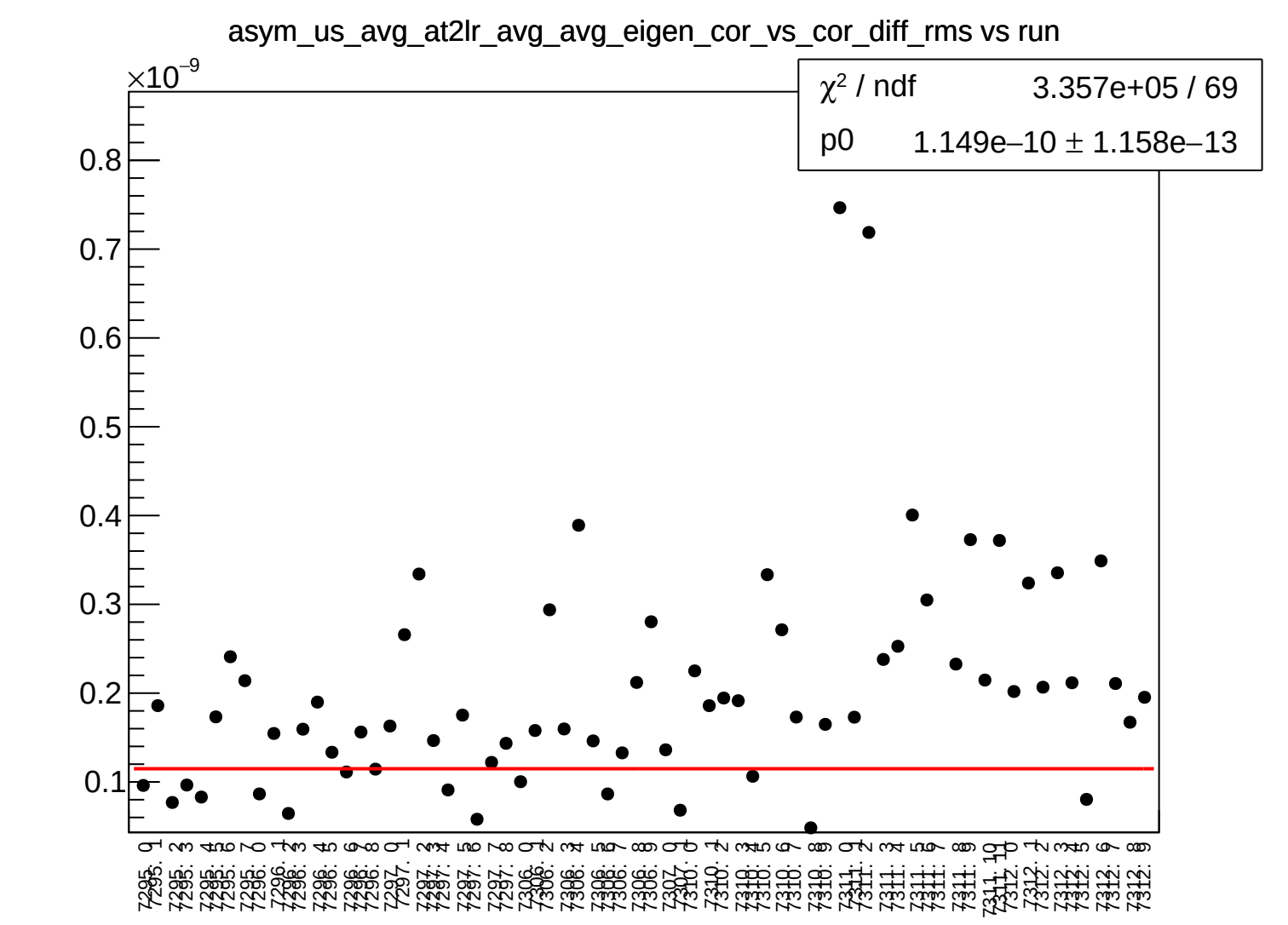

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.79 / 69
p0 −0.928 ± 1.272
pull
Entries 70
Mean 19.33
Std Dev 56.09

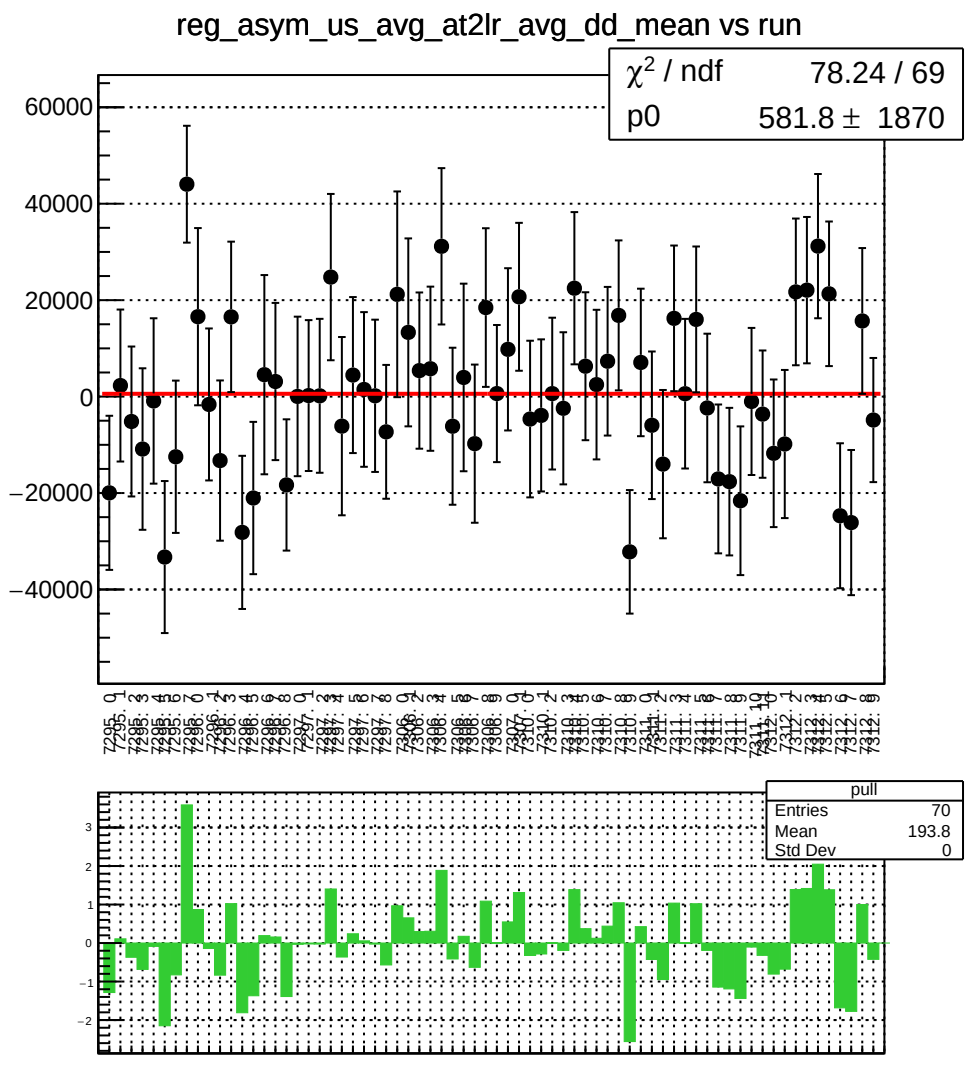

pull1D
Entries 70
Mean 0.0185
Std Dev 0.9912

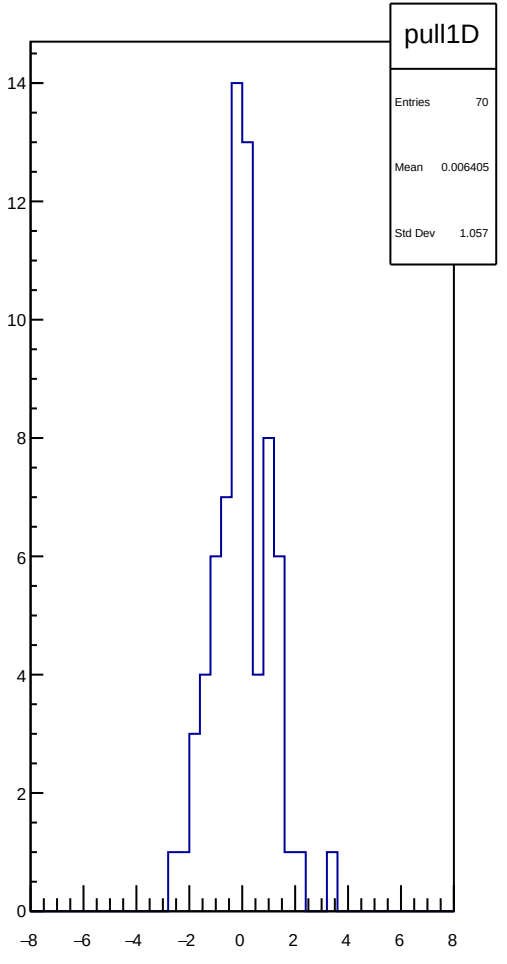

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.106e+04 / 69
p0 996.5 ± 0.8992
2400
2200
2000
1800
1600
1400
1200
1000
800
600

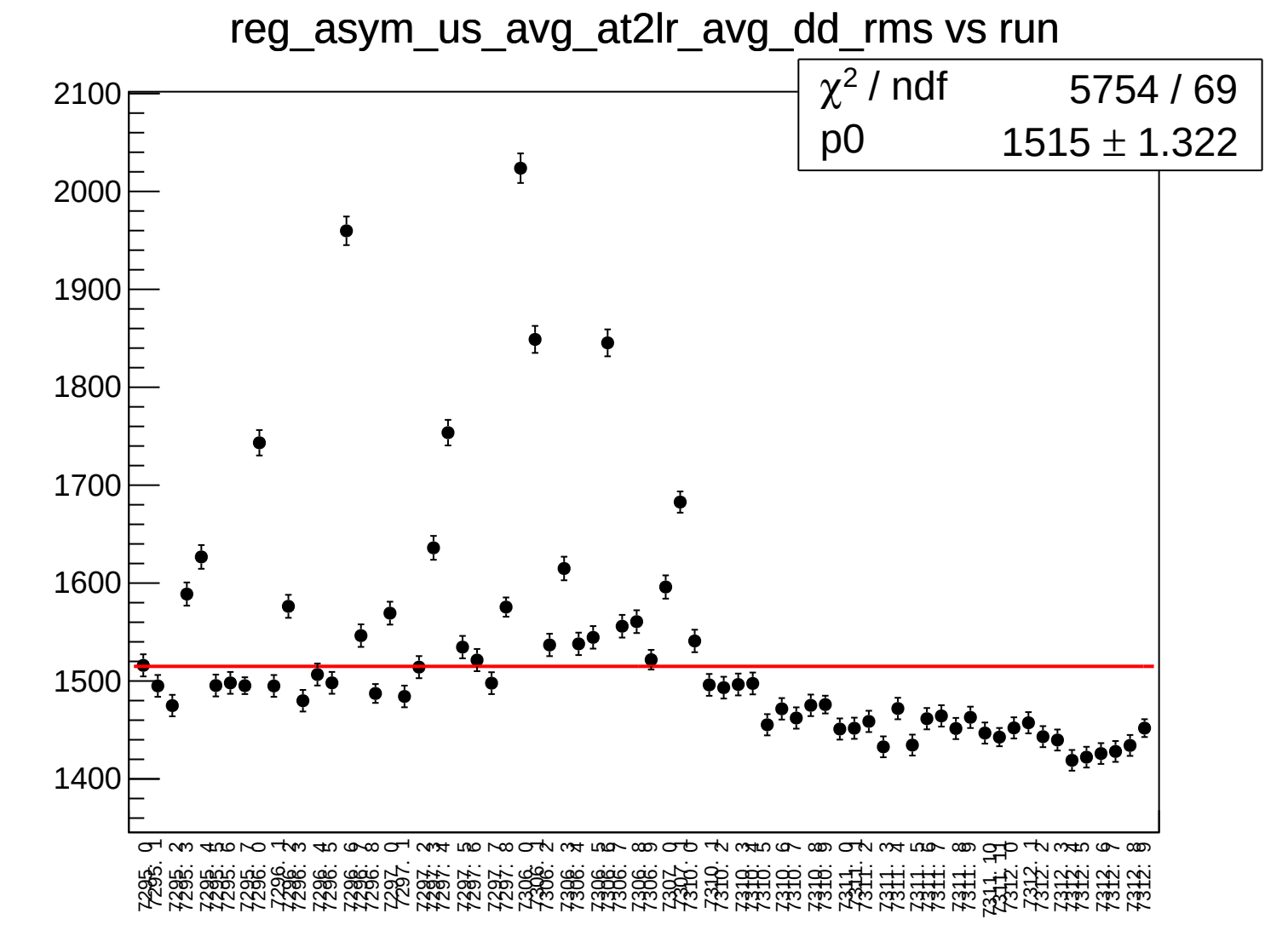

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.81 / 69
p0 3.817e−15 ± 1.638e−13
pull
Entries 70
Mean 26.84
Std Dev 32.29

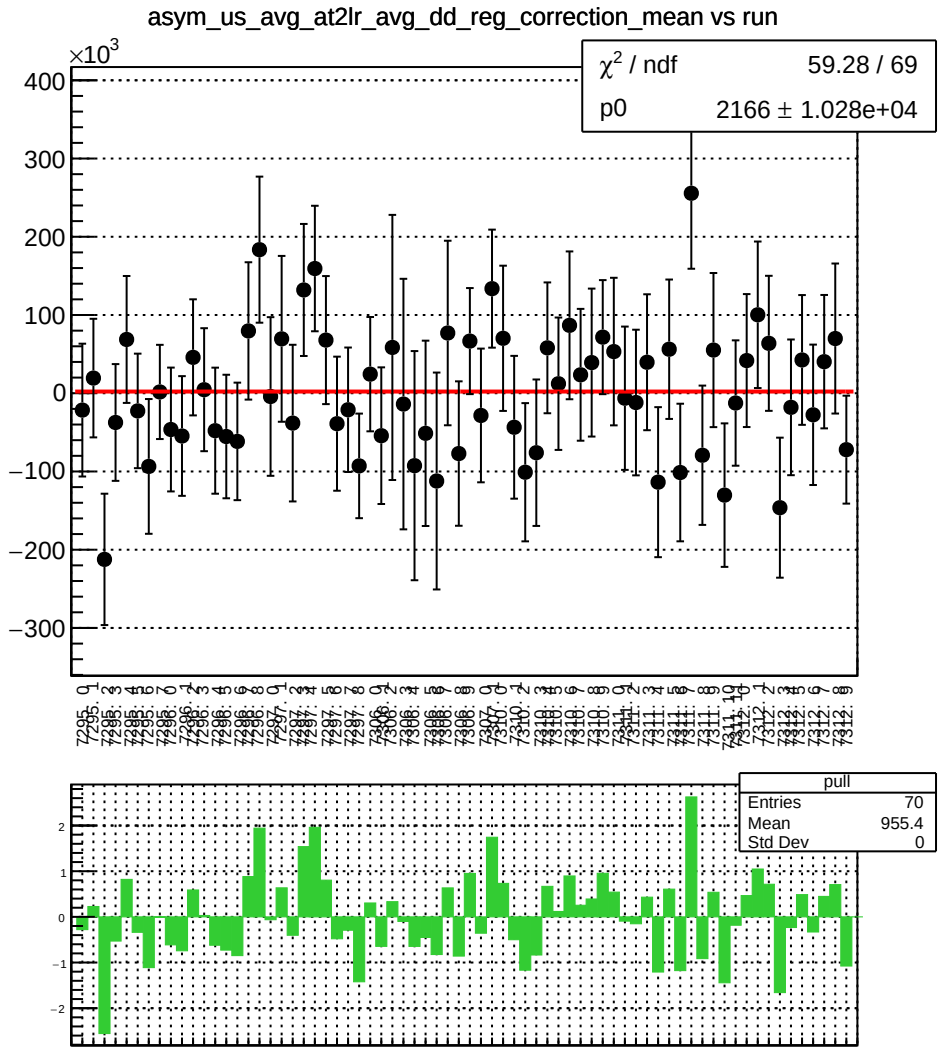

pull1D
Entries 70
Mean 0.09033
Std Dev 0.8884

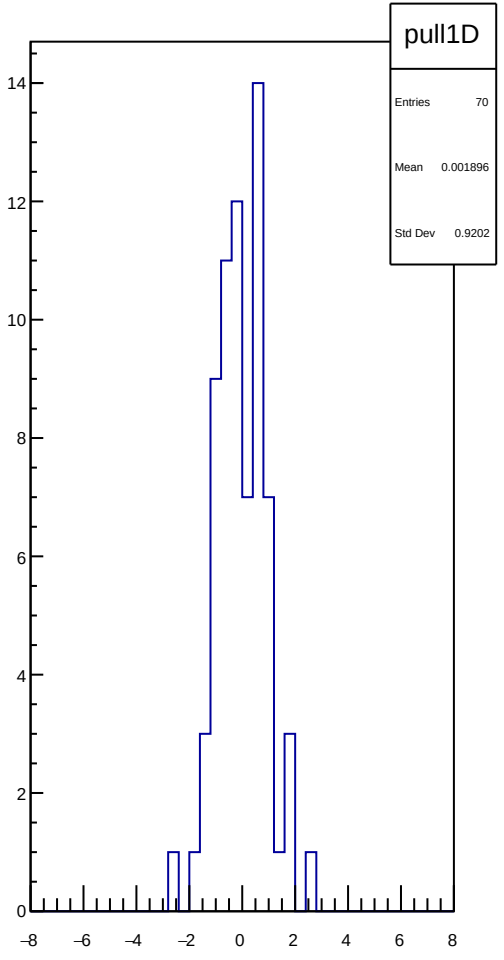

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.357e+05 / 69
p0 1.149e−10 ± 1.158e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

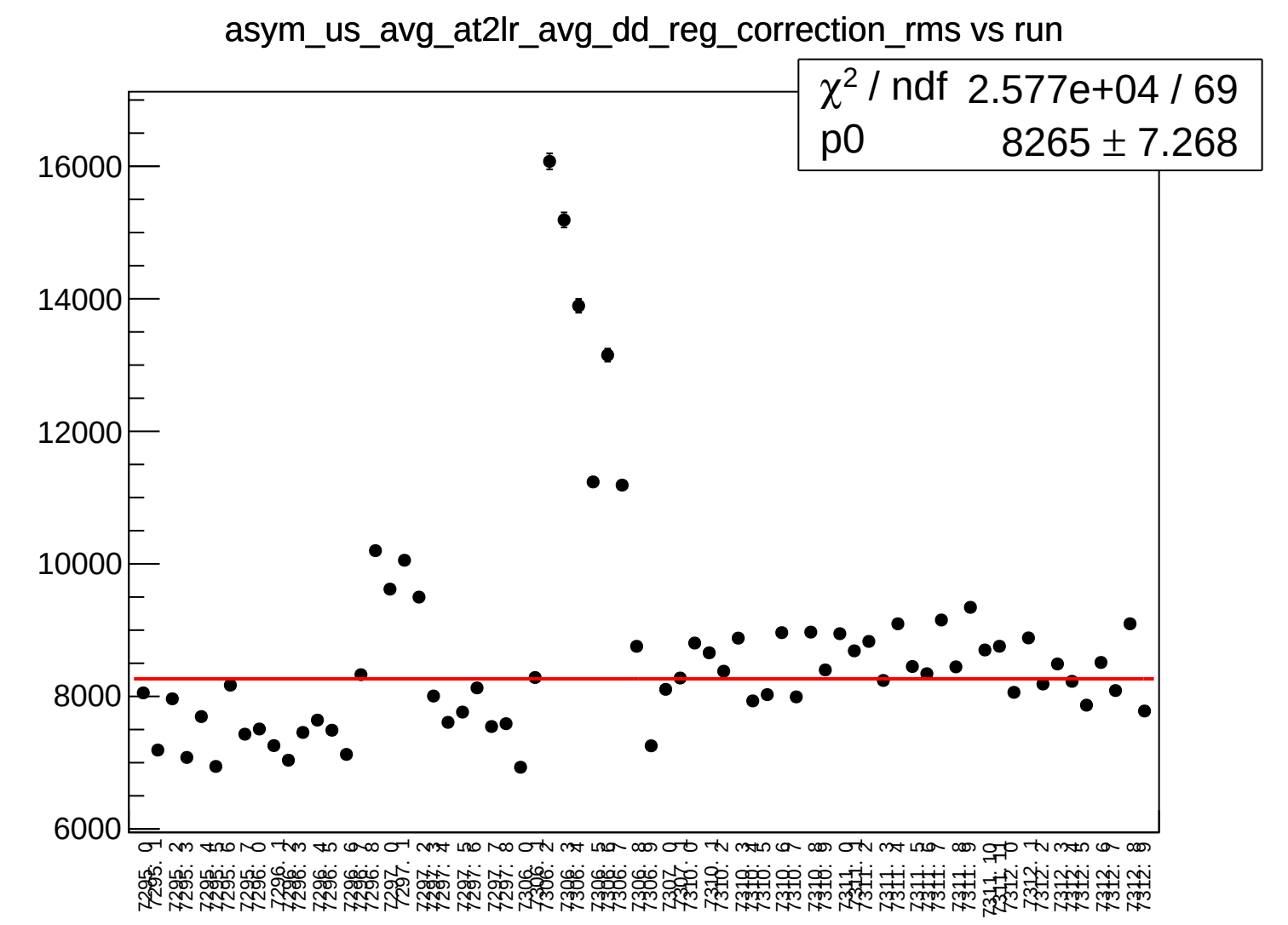

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 78.24 / 69
p0 581.8 ± 1870
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 193.8
Std Dev 0
3
2
1
0
−1
−2

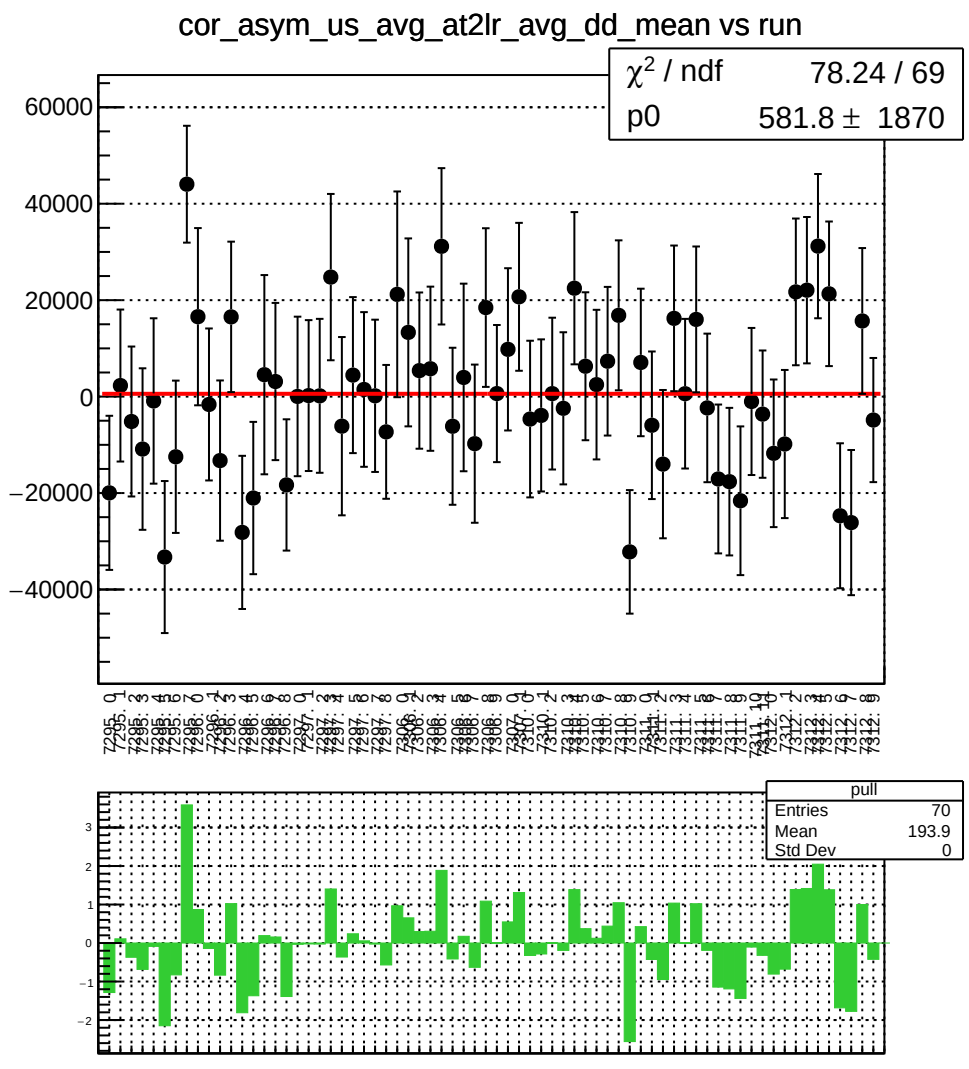

pull1D
Entries 70
Mean 0.006405
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

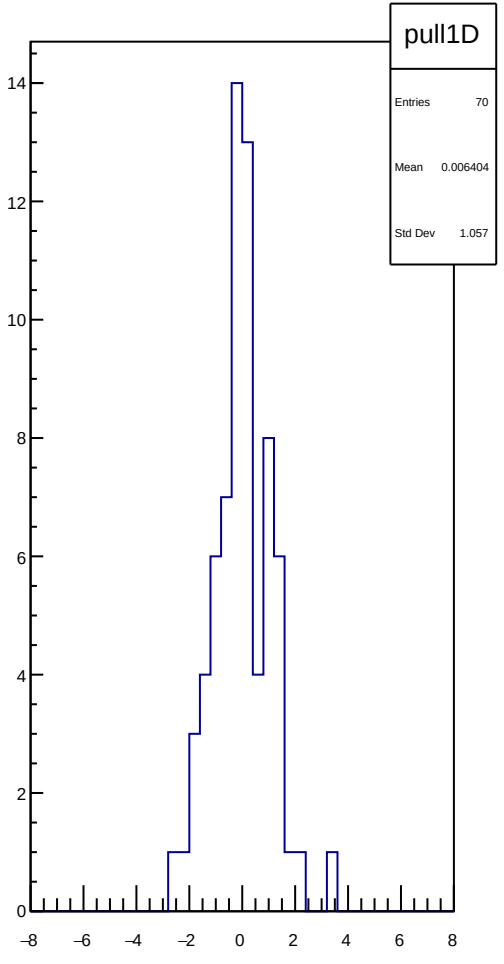

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 5754 / 69
p0 1515 ± 1.322
2100
2000
1900
1800
1700
1600
1500
1400

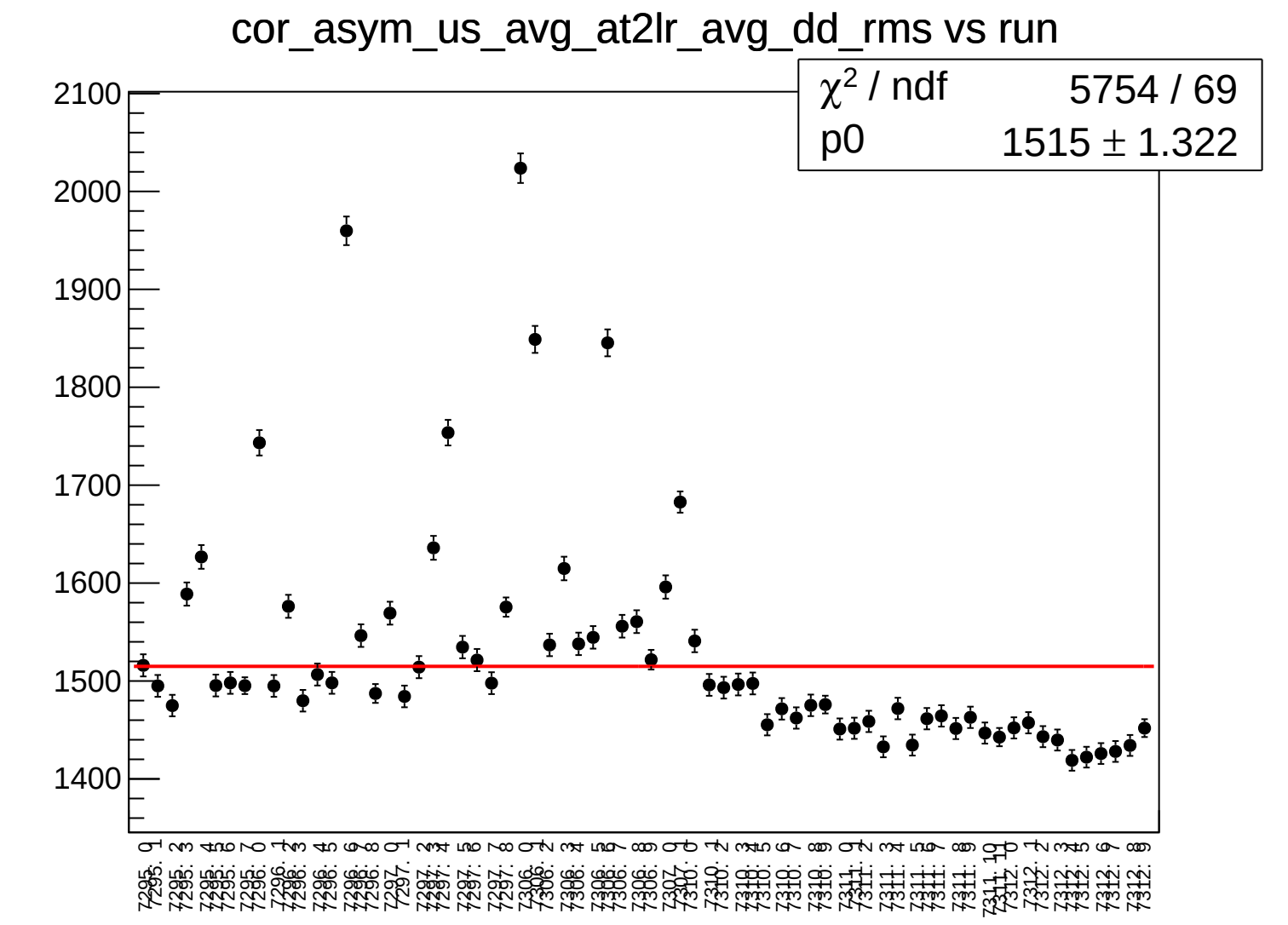

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 59.28 / 69
p0 2166 ± 1.028e+04
pull
Entries 70
Mean 955.4
Std Dev 0

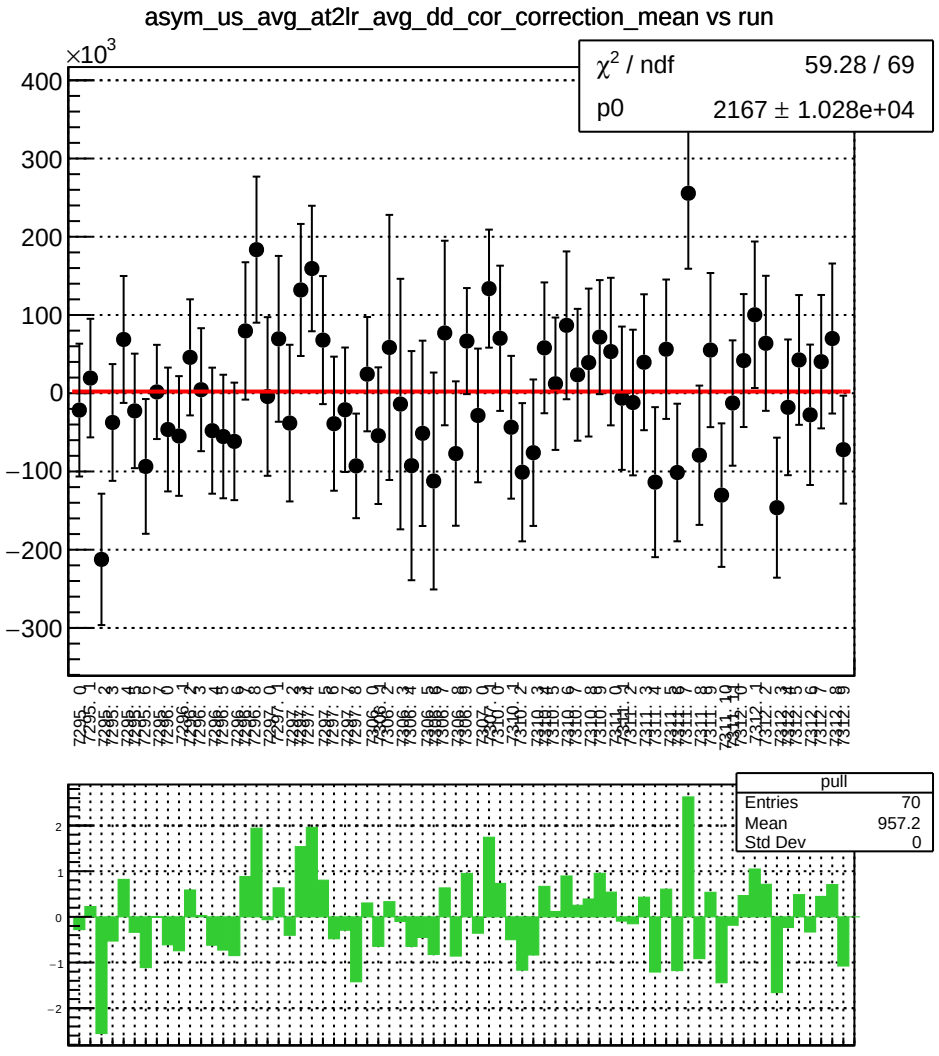

pull1D
Entries 70
Mean 0.001896
Std Dev 0.9202

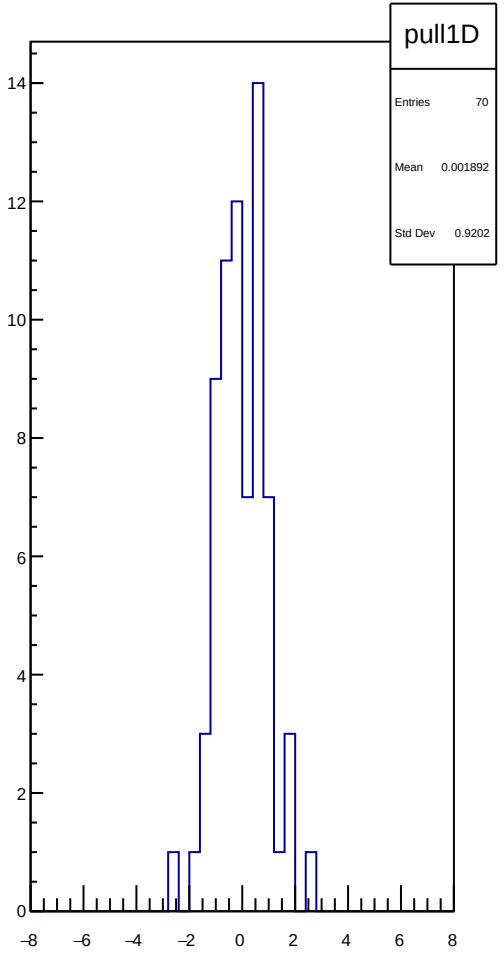

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.577e+04 / 69
p0 8265 ± 7.268
16000
14000
12000
10000
8000
6000

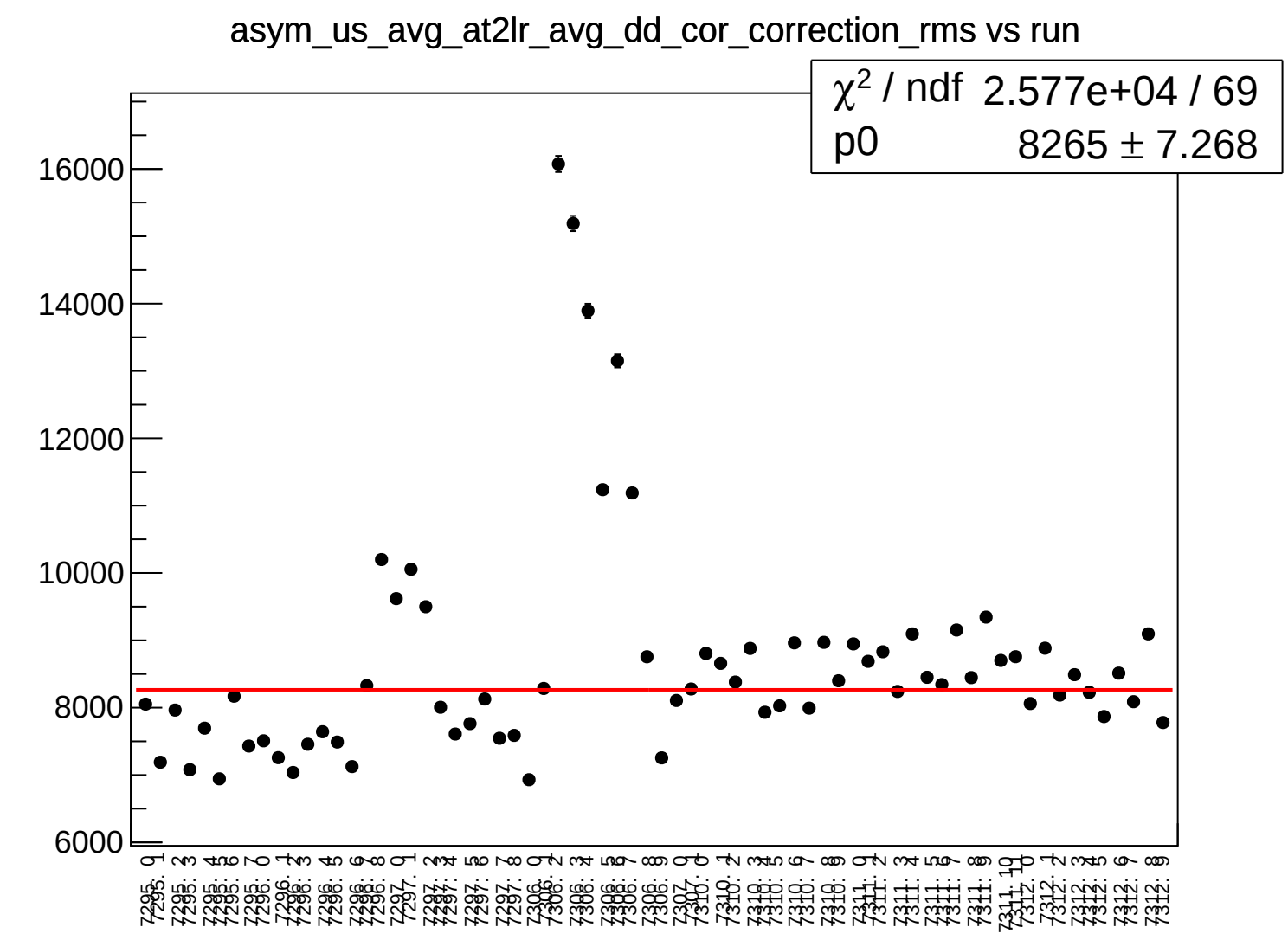

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 78.24 / 69
p0 581.8 ± 1870
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 193.9
Std Dev 0
3
2
1
0
−1
−2

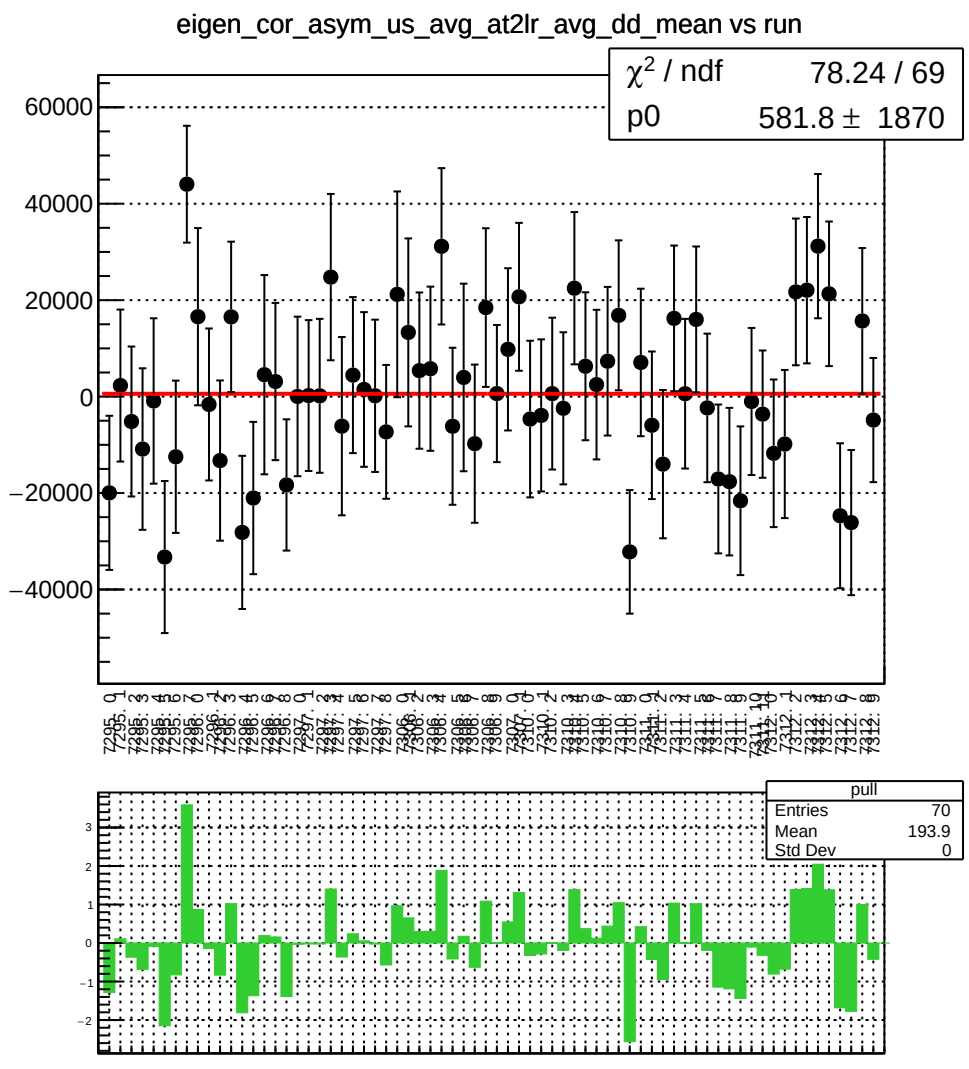

pull1D
Entries 70
Mean 0.006404
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

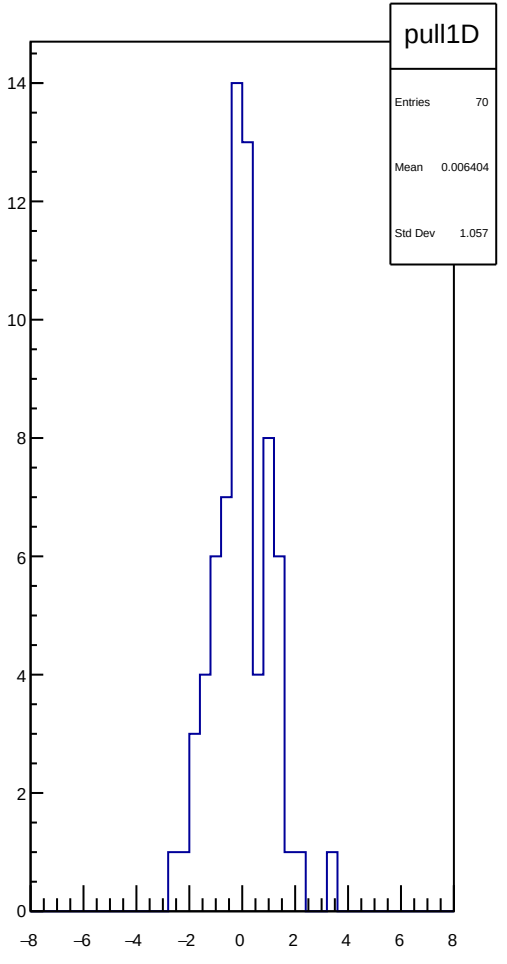

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 5754 / 69
p0 1515 ± 1.322
2100
2000
1900
1800
1700
1600
1500
1400

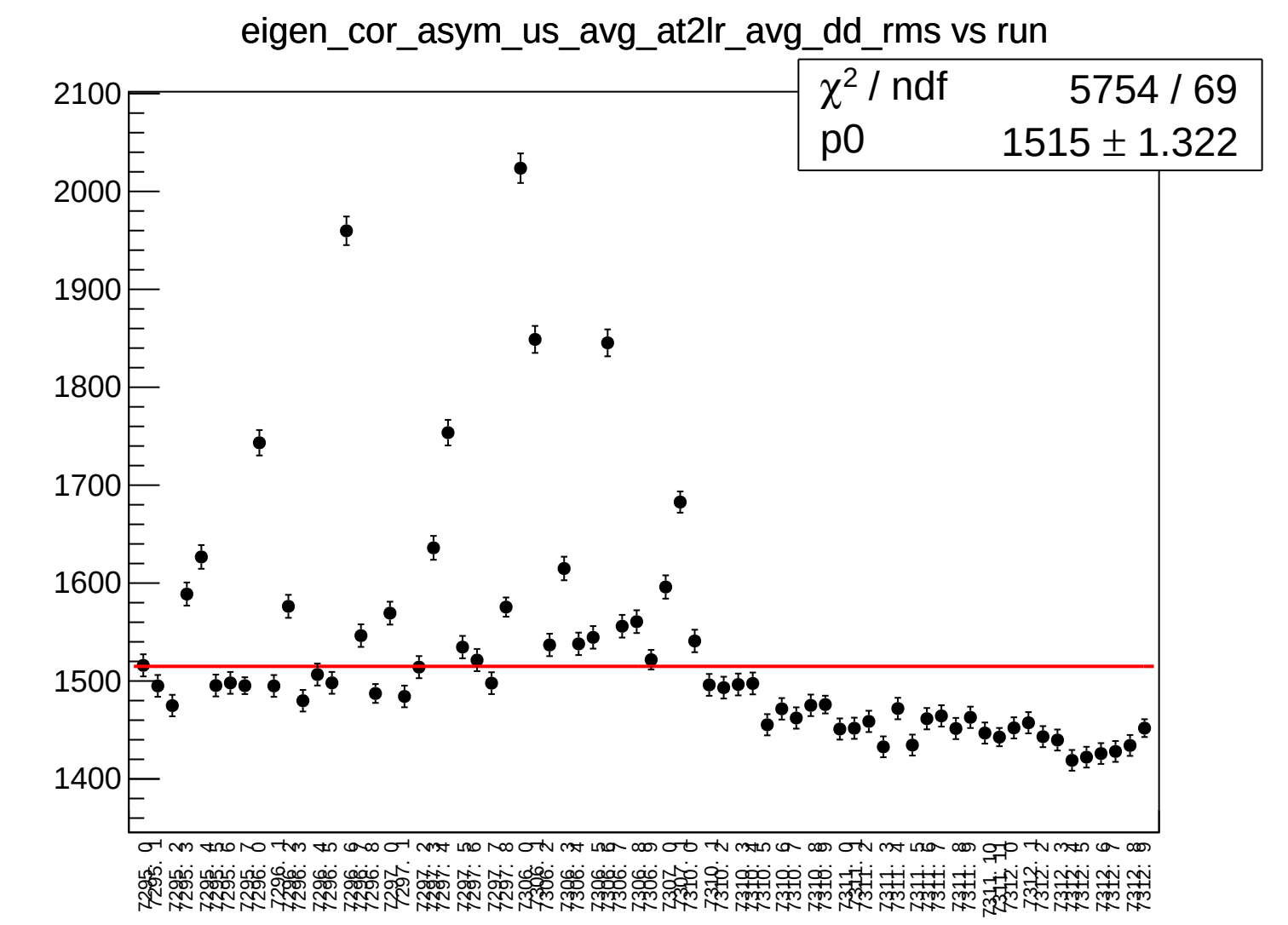

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 59.28 / 69
p0 2167 ± 1.028e+04
pull
Entries 70
Mean 957.2
Std Dev 0

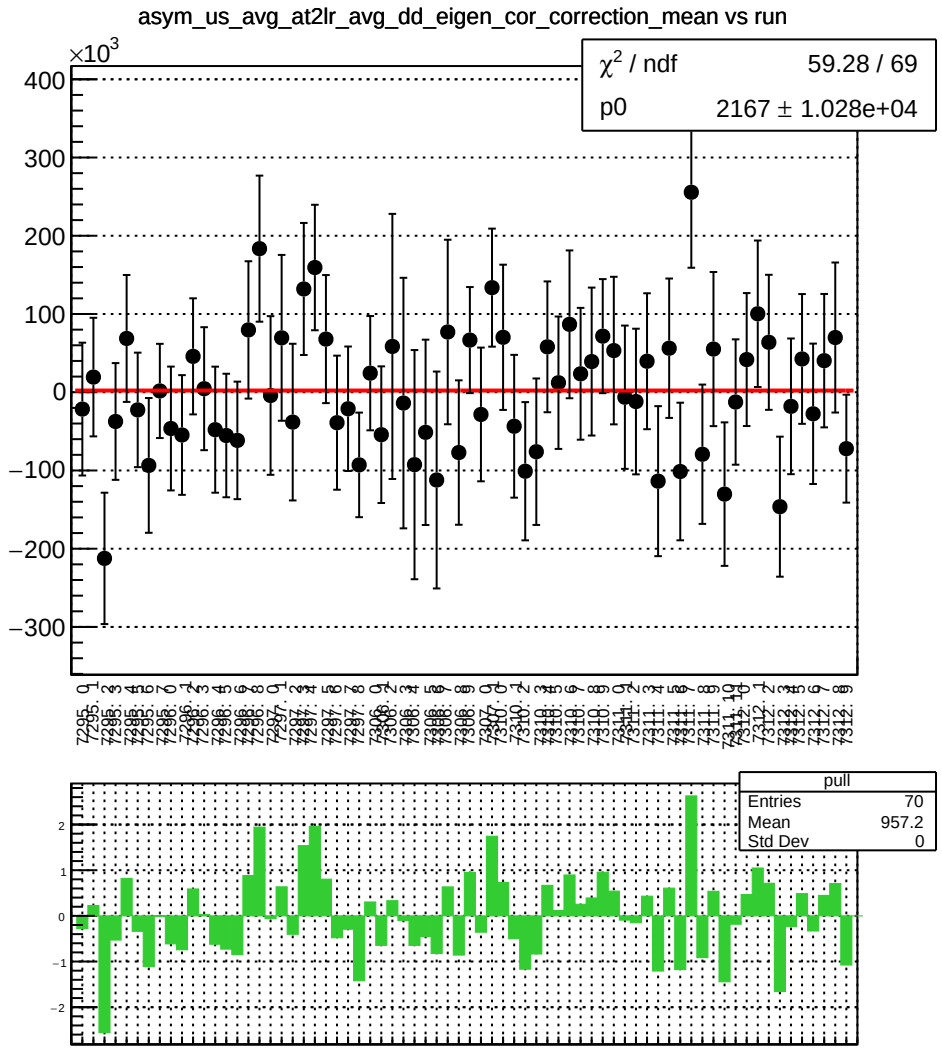

pull1D
Entries 70
Mean 0.001892
Std Dev 0.9202

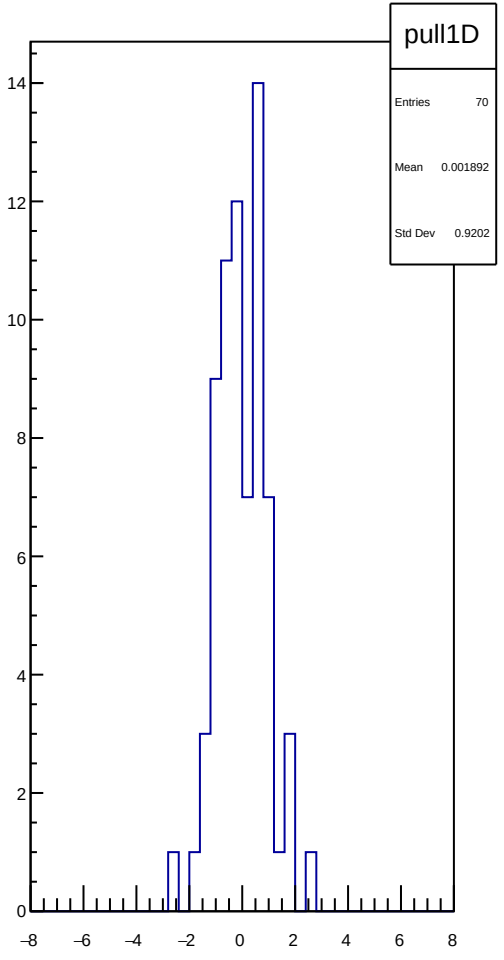

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.577e+04 / 69
p0 8265 ± 7.268
16000
14000
12000
10000
8000
6000

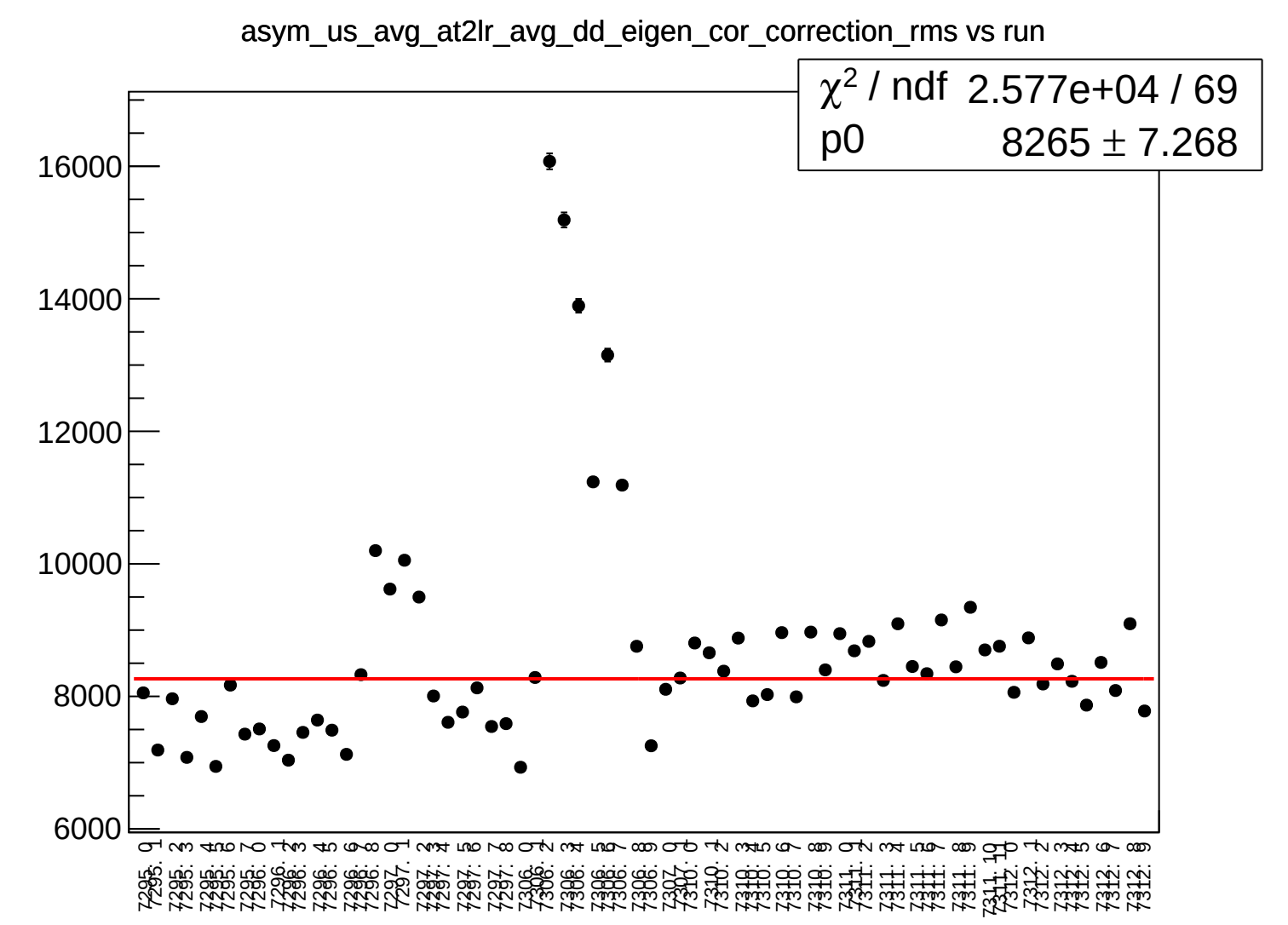

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 78.24 / 69
p0 581.8 ± 1870
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 193.9
Std Dev 0
3
2
1
0
−1
−2

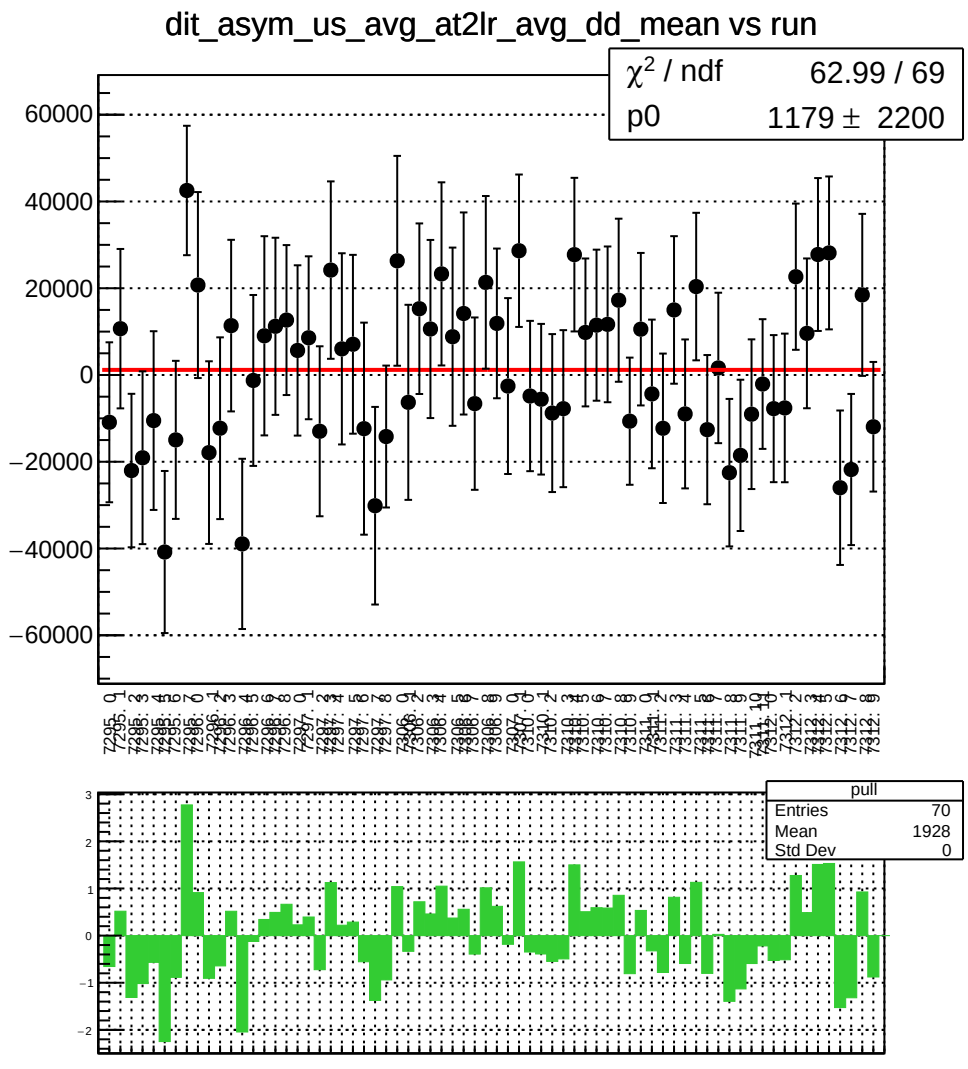

pull1D
Entries 70
Mean 0.006404
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

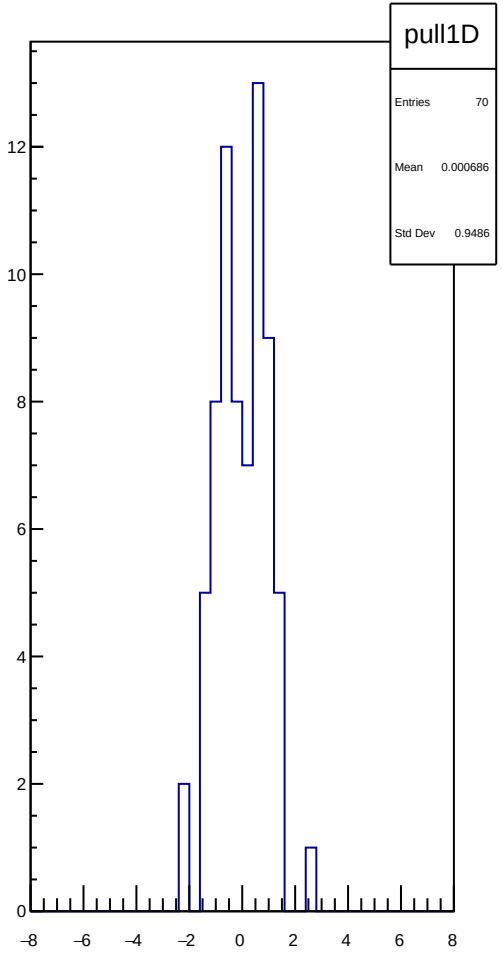

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 5754 / 69
p0 1515 ± 1.322
2100
2000
1900
1800
1700
1600
1500
1400

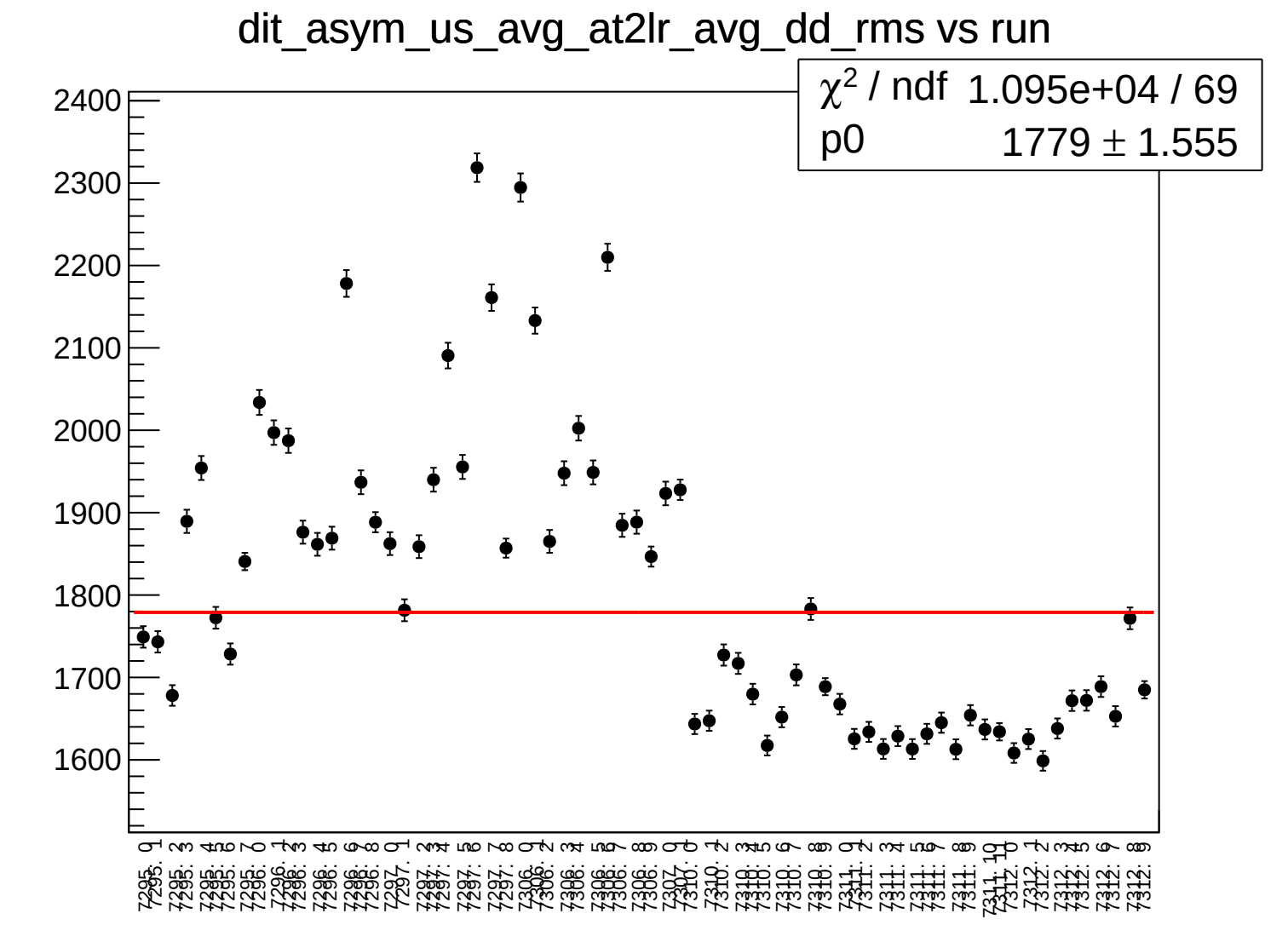

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.28 / 69
p0 2167 ± 1.028e+04
pull
Entries 70
Mean 957.2
Std Dev 0

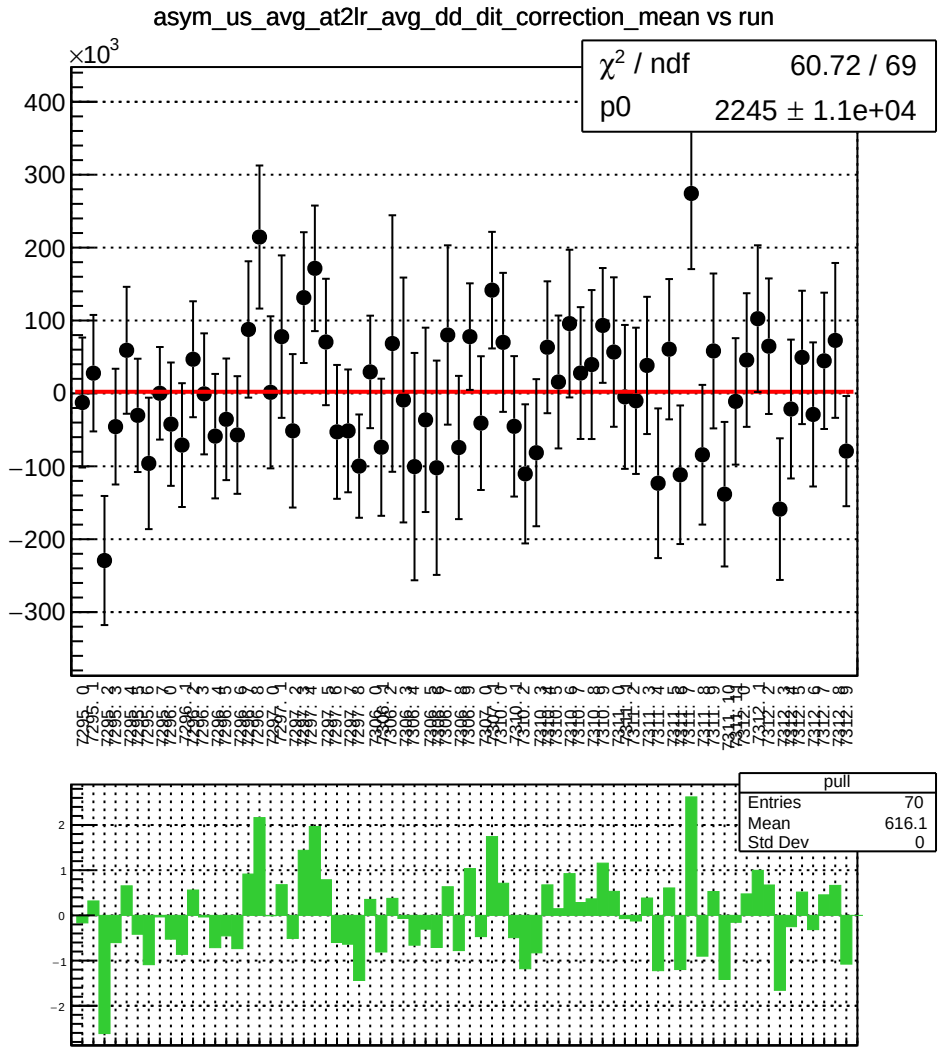

pull1D
Entries 70
Mean 0.001892
Std Dev 0.9202

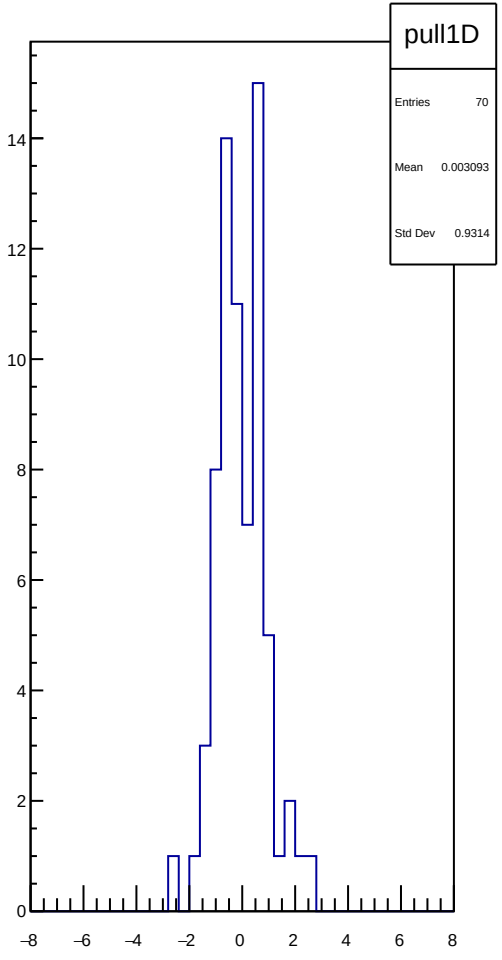

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.577e+04 / 69
p0 8265 ± 7.268
16000
14000
12000
10000
8000
6000

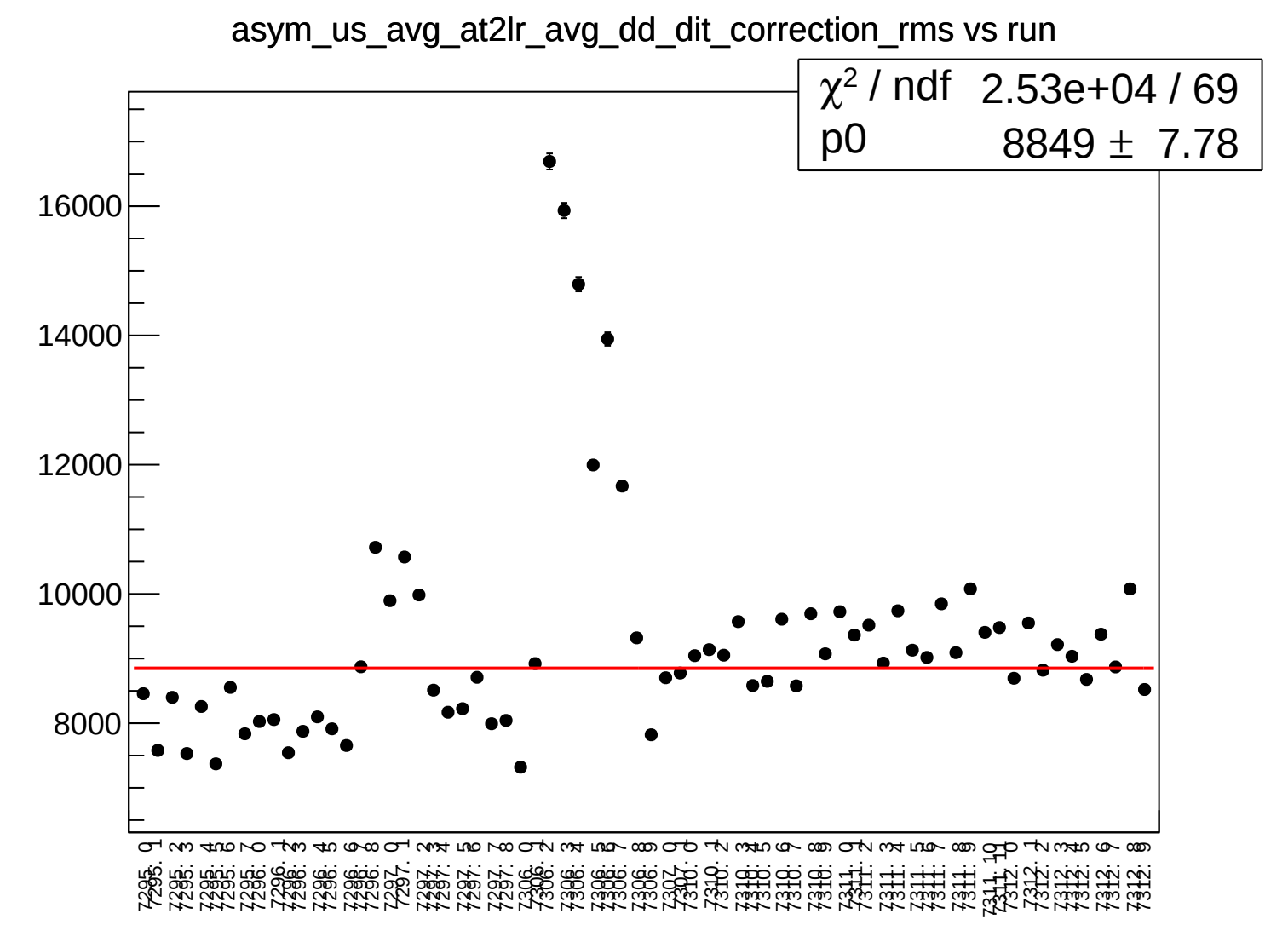

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 62.99 / 69
p0 1179 ± 2200
pull
Entries 70
Mean 1928
Std Dev 0

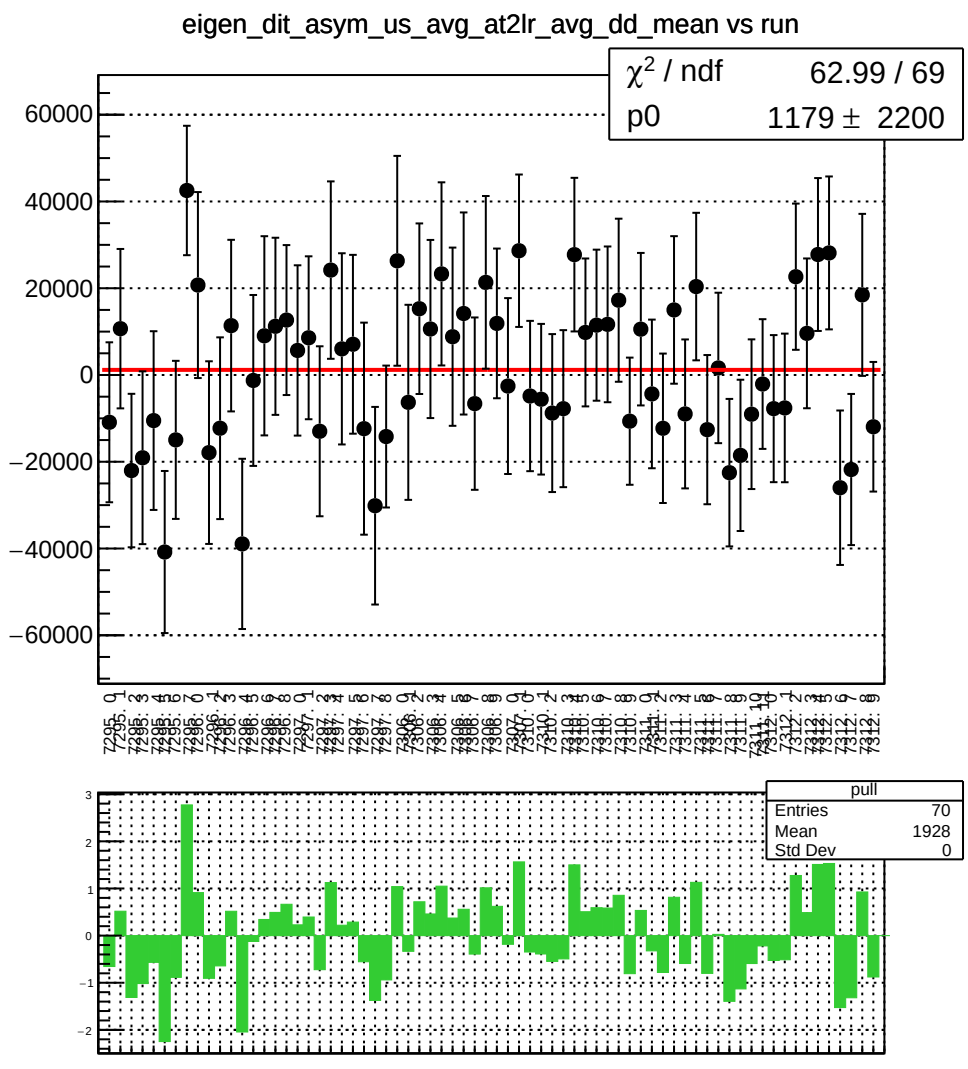

pull1D
Entries 70
Mean 0.000686
Std Dev 0.9486

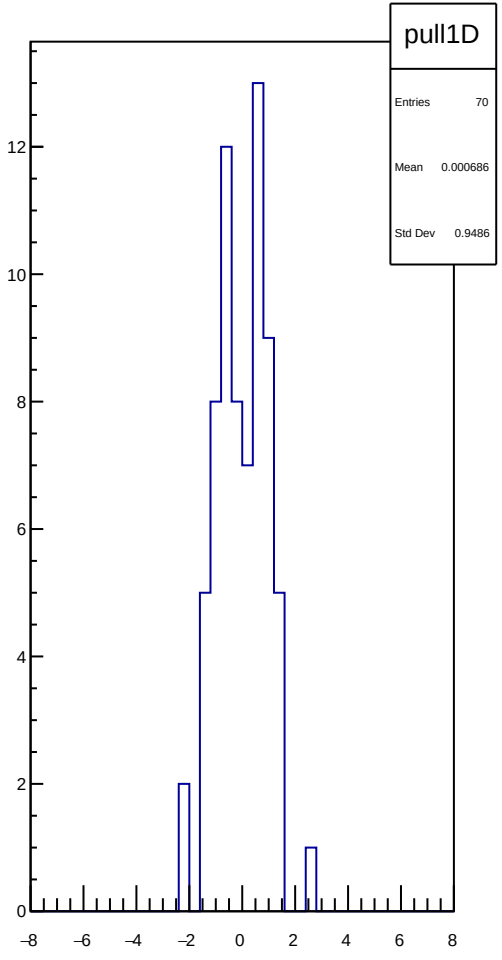

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1.095e+04 / 69
p0 1779 ± 1.555
2400
2300
2200
2100
2000
1900
1800
1700
1600

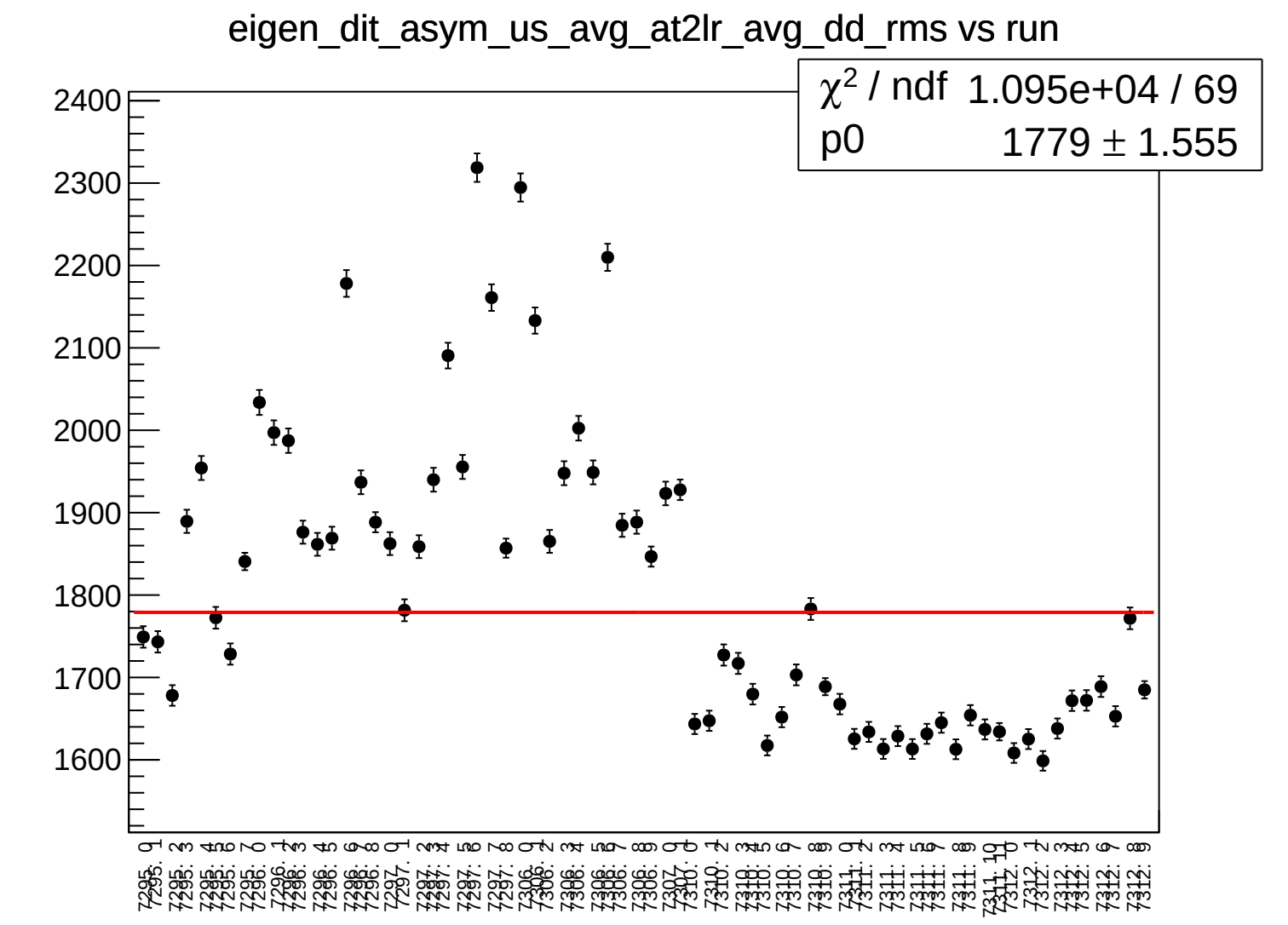

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 60.72 / 69
p0 2245 ± 1.1e+04
pull
Entries 70
Mean 616.1
Std Dev 0

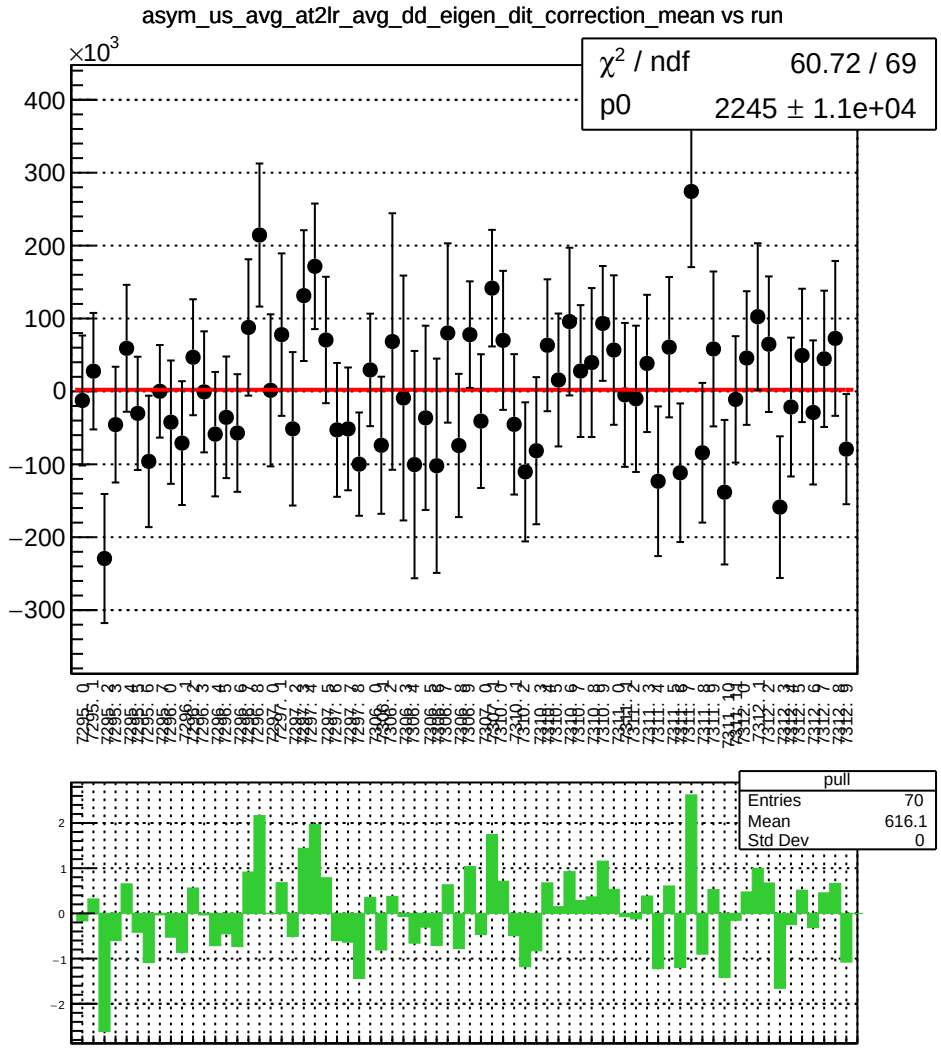

pull1D
Entries 70
Mean 0.003093
Std Dev 0.9314

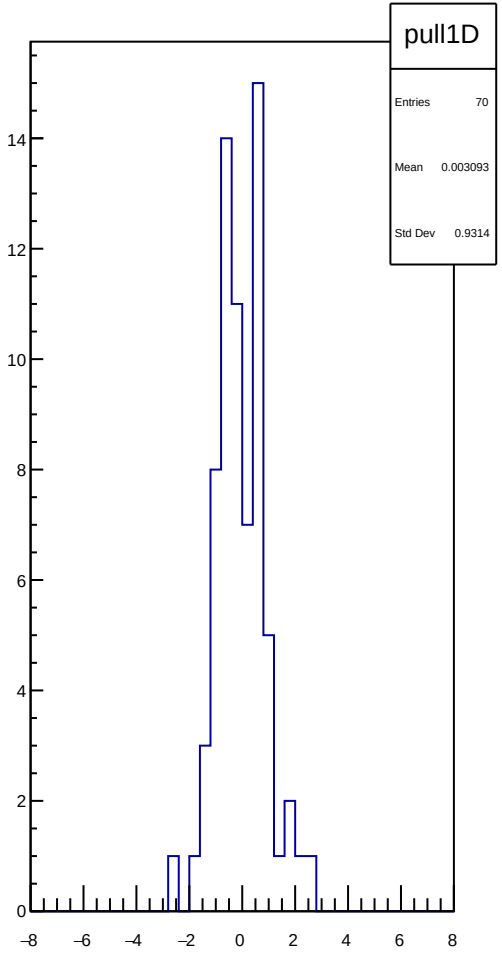

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.53e+04 / 69
p0 8849 ± 7.78
16000
14000
12000
10000
8000

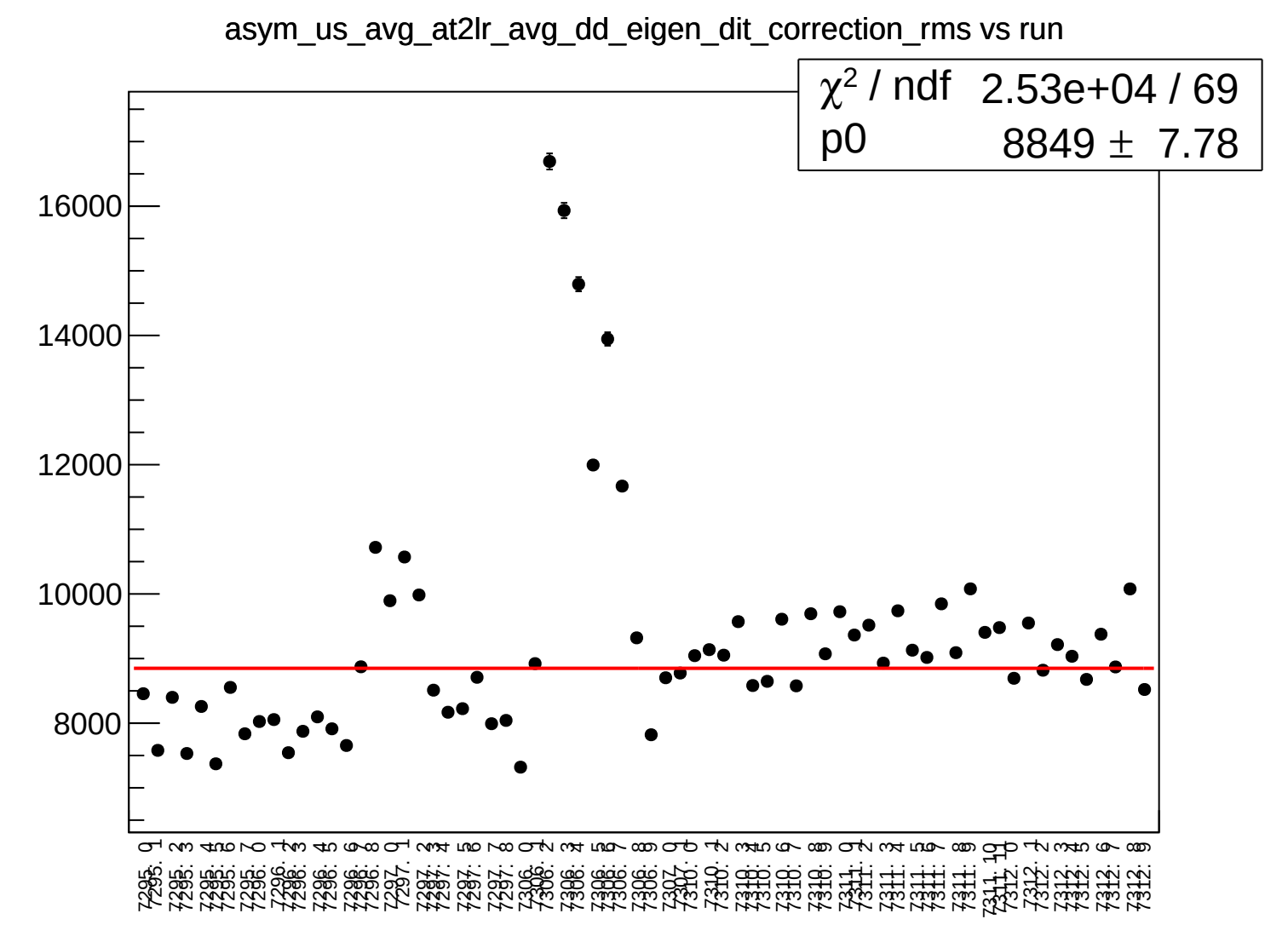

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 62.99 / 69
p0 1179 ± 2200
pull
Entries 70
Mean 1928
Std Dev 0

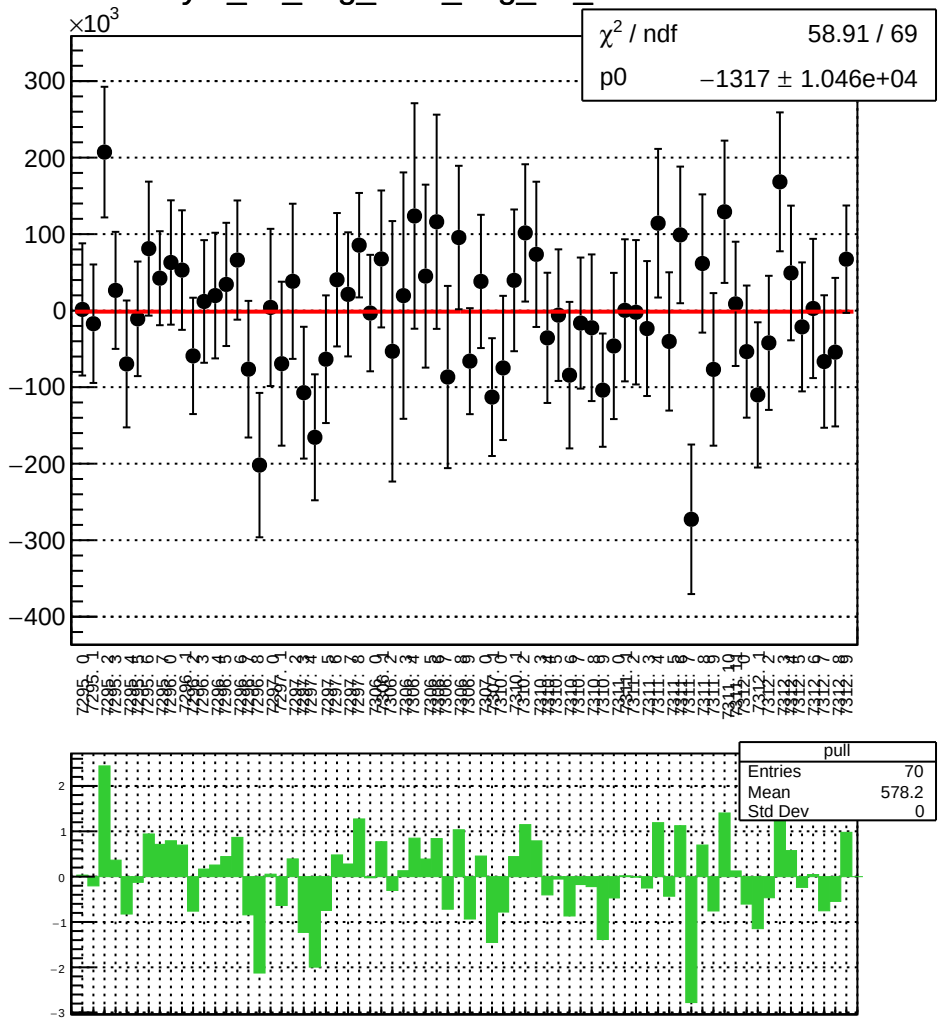

pull1D
Entries 70
Mean 0.000686
Std Dev 0.9486

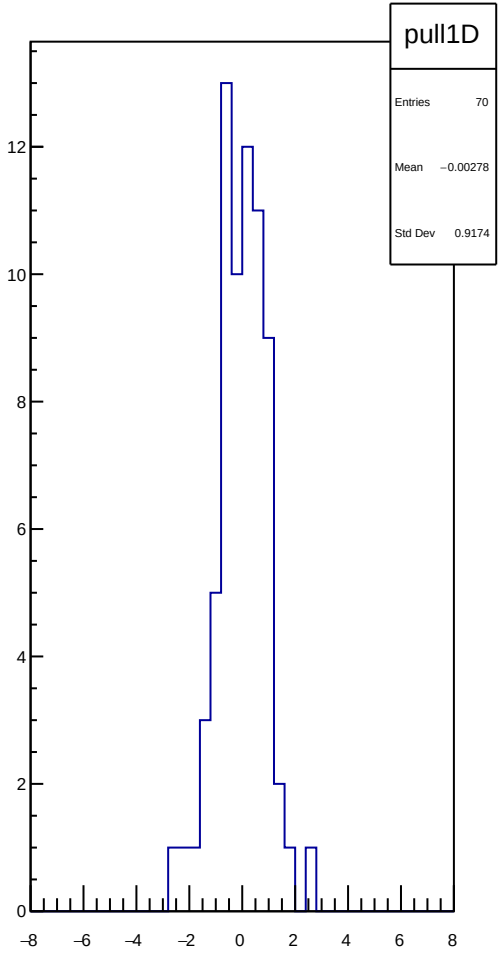

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1.095e+04 / 69
p0 1779 ± 1.555
2400
2300
2200
2100
2000
1900
1800
1700
1600

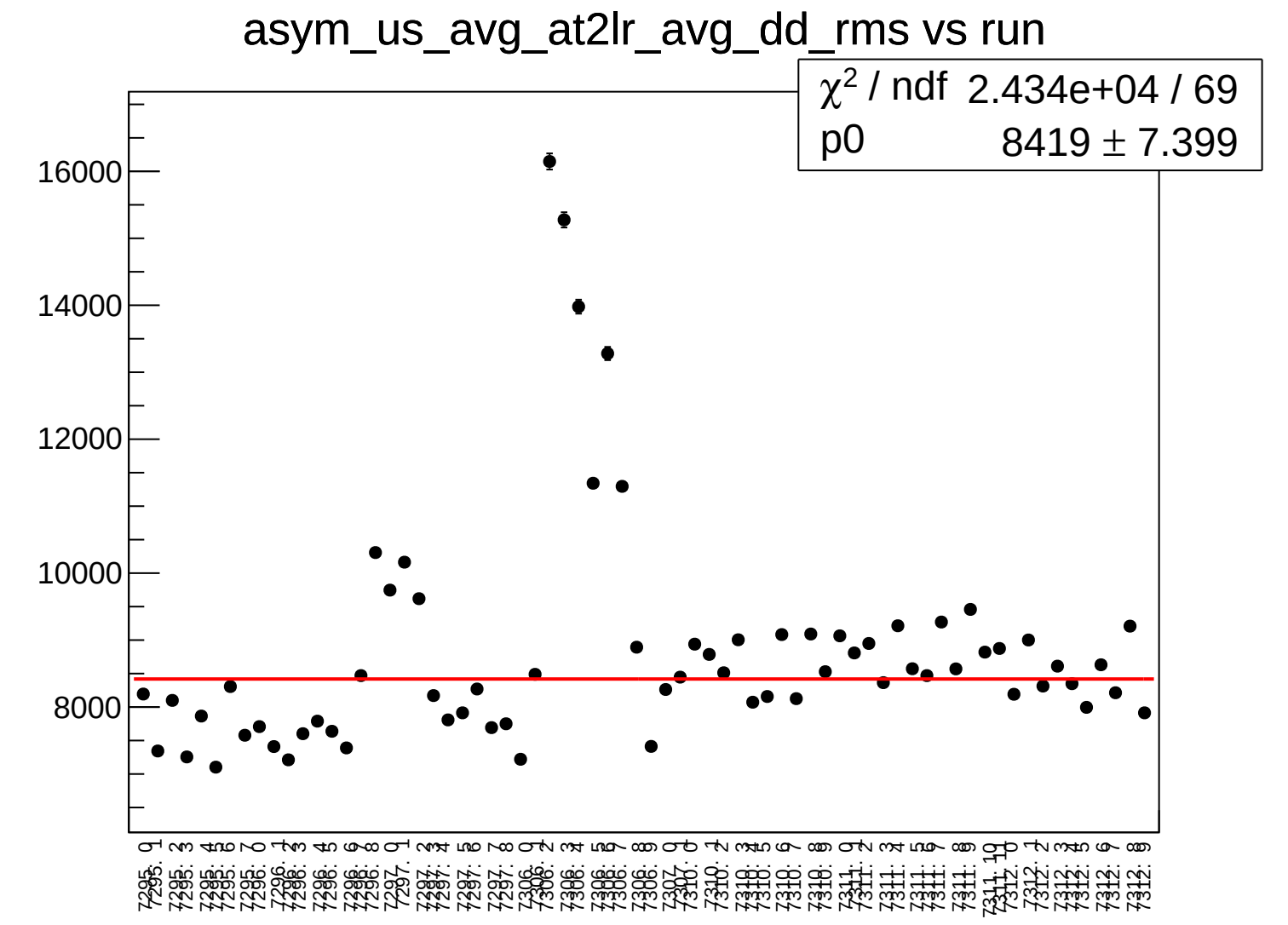

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.72 / 69
p0 2245 ± 1.1e+04
pull
Entries 70
Mean 616.1
Std Dev 0

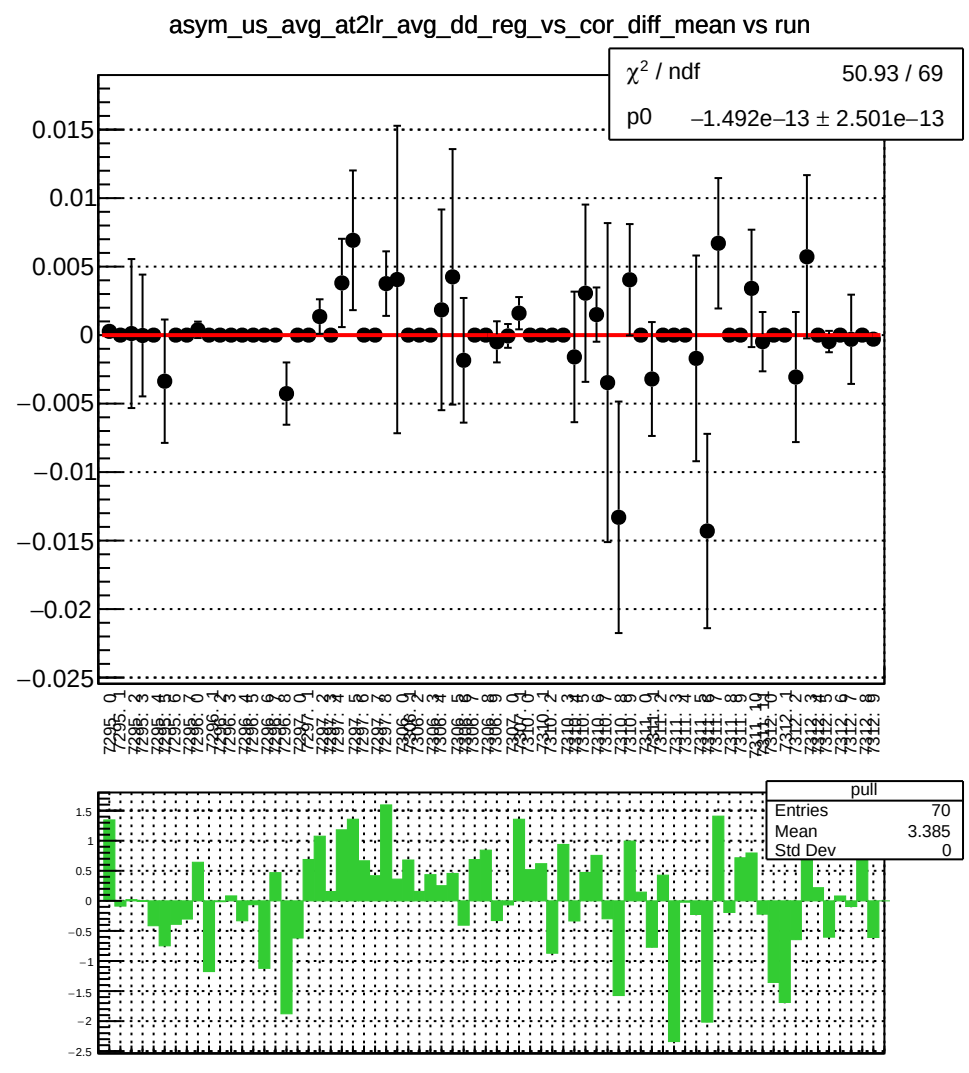

pull1D
Entries 70
Mean 0.003093
Std Dev 0.9314

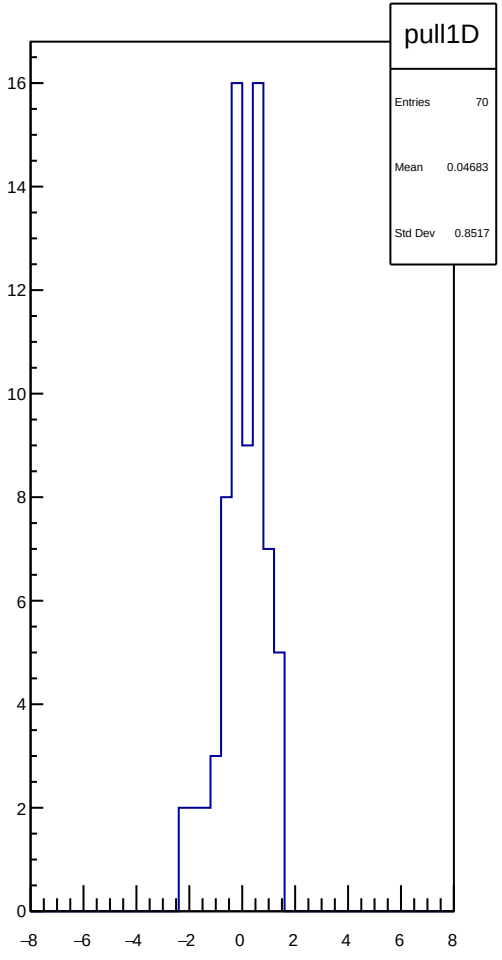

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.53e+04 / 69
p0 8849 ± 7.78
16000
14000
12000
10000
8000

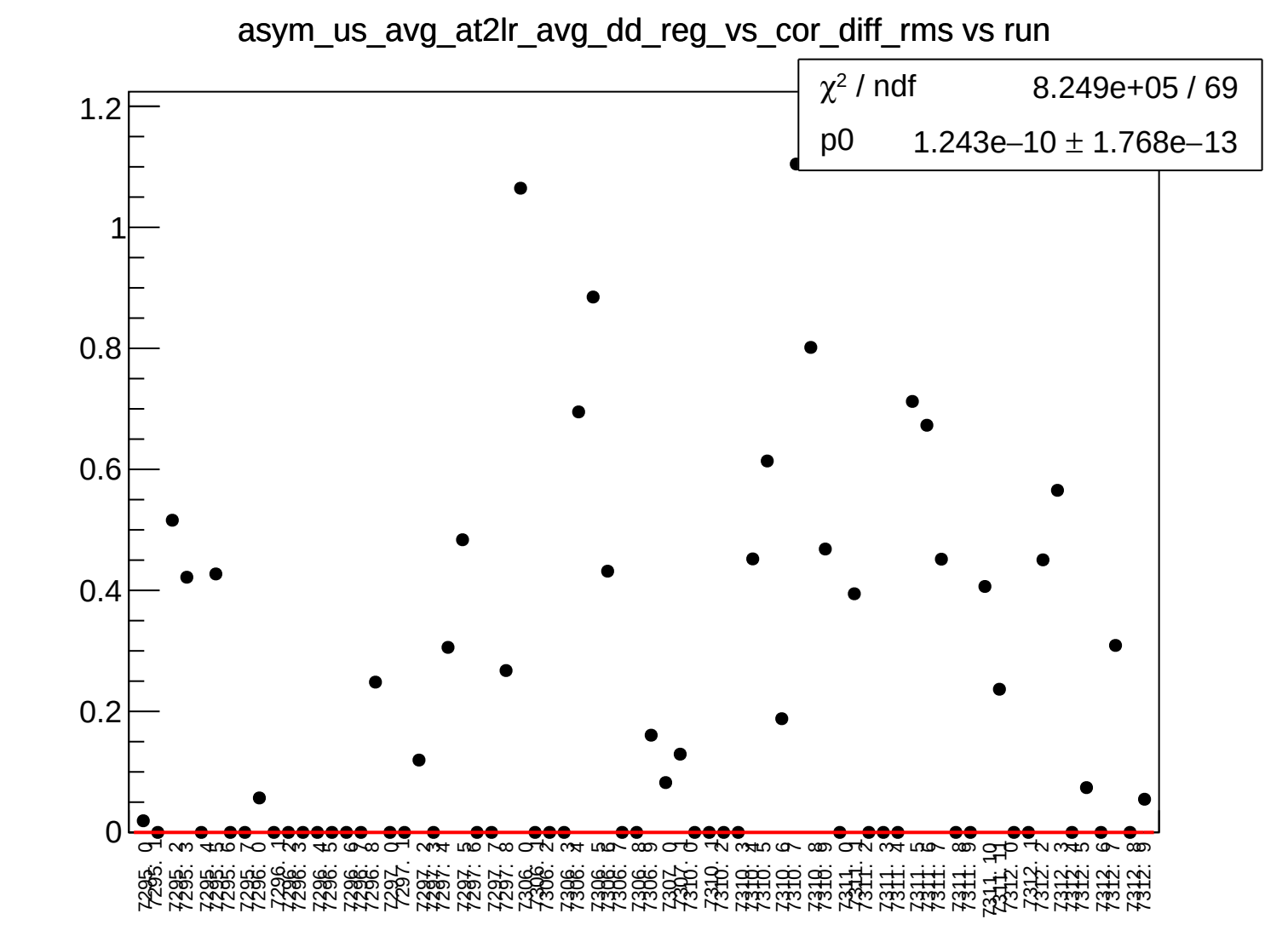

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 58.91 / 69
p0 −1317 ± 1.046e+04
pull
Entries 70
Mean 578.2
Std Dev 0

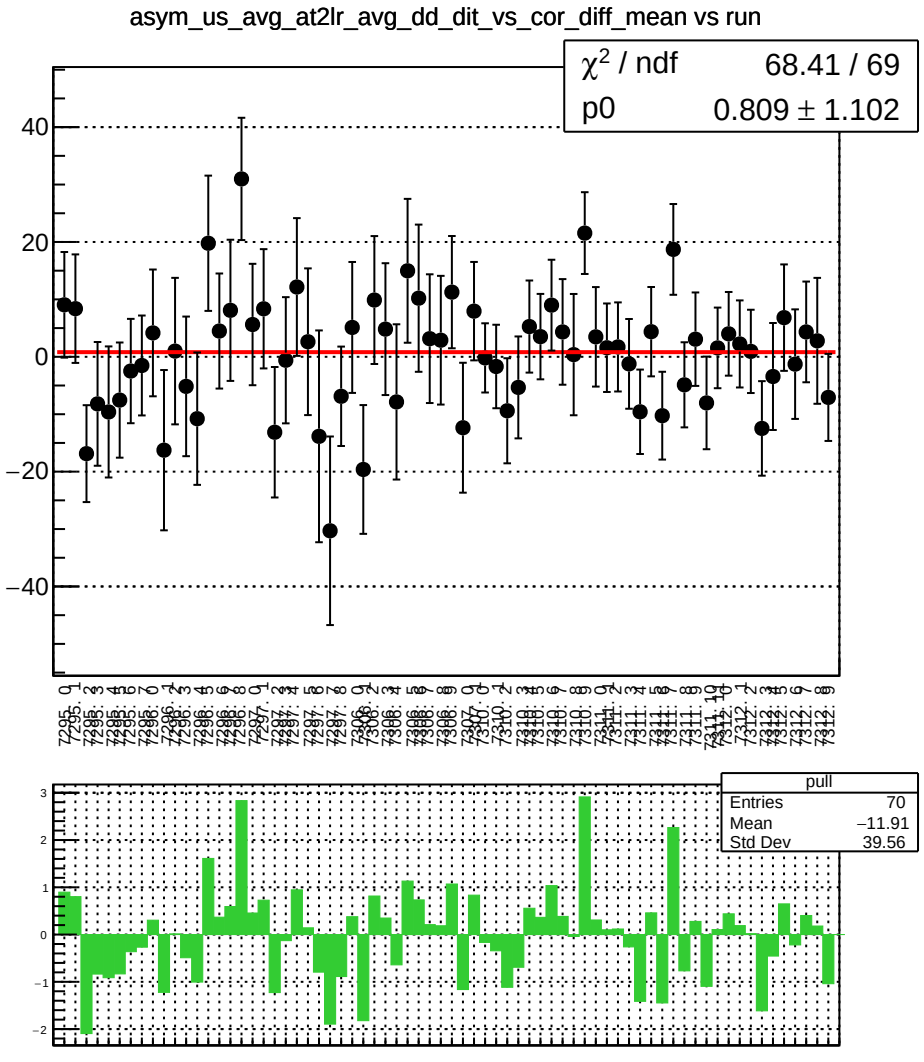

pull1D
Entries 70
Mean −0.00278
Std Dev 0.9174

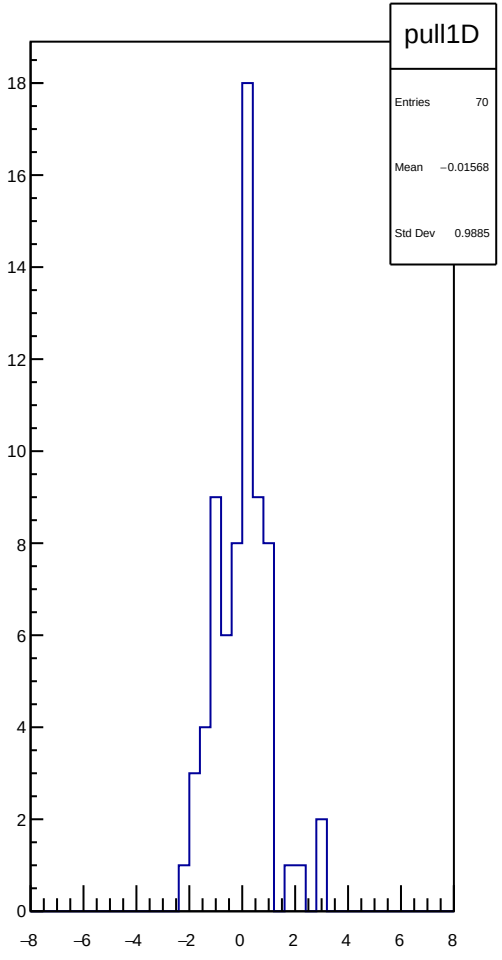

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.434e+04 / 69
p0 8419 ± 7.399
16000
14000
12000
10000
8000

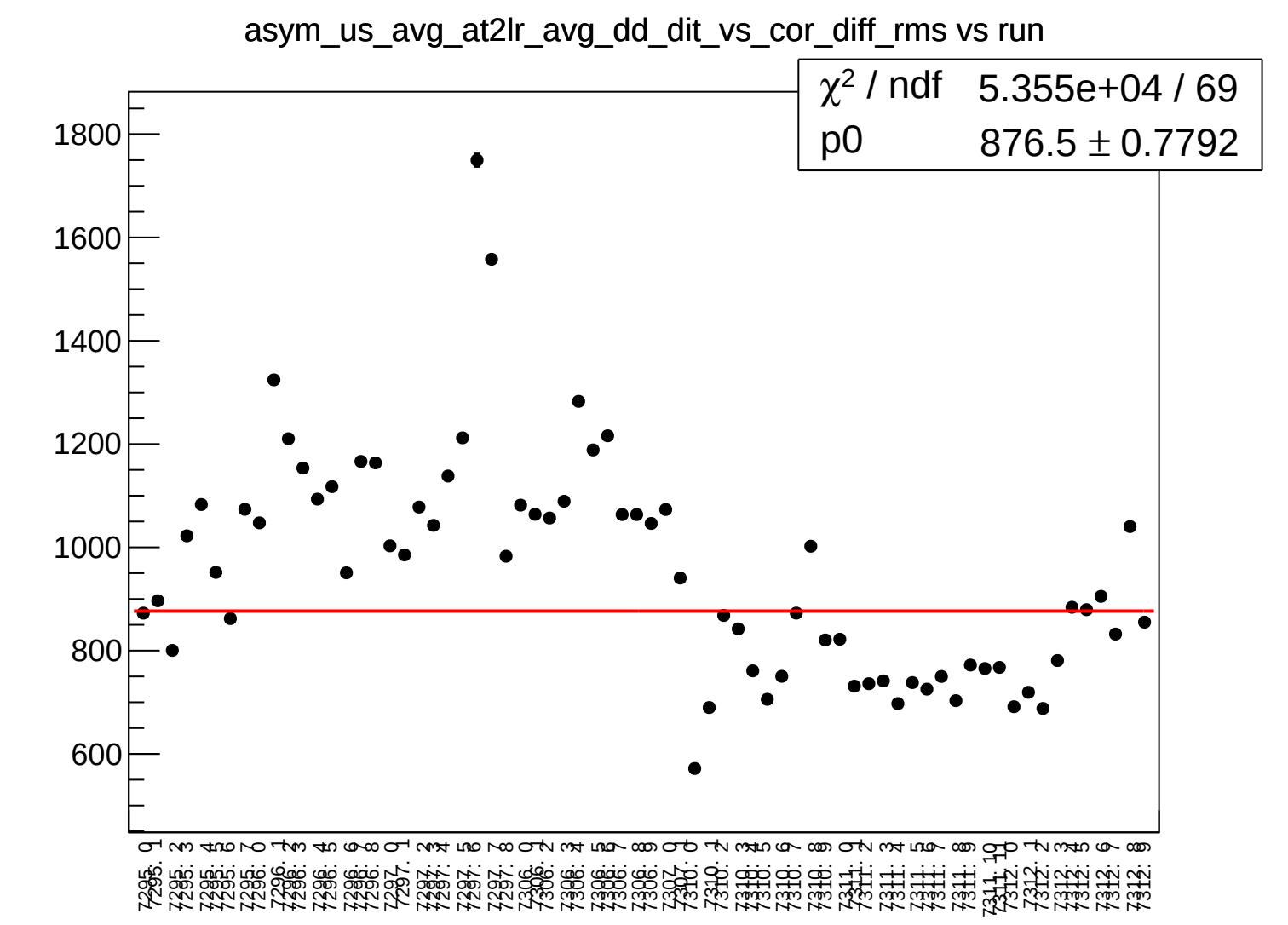

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.93 / 69
p0 −1.492e−13 ± 2.501e−13
pull
Entries 70
Mean 3.385
Std Dev 0

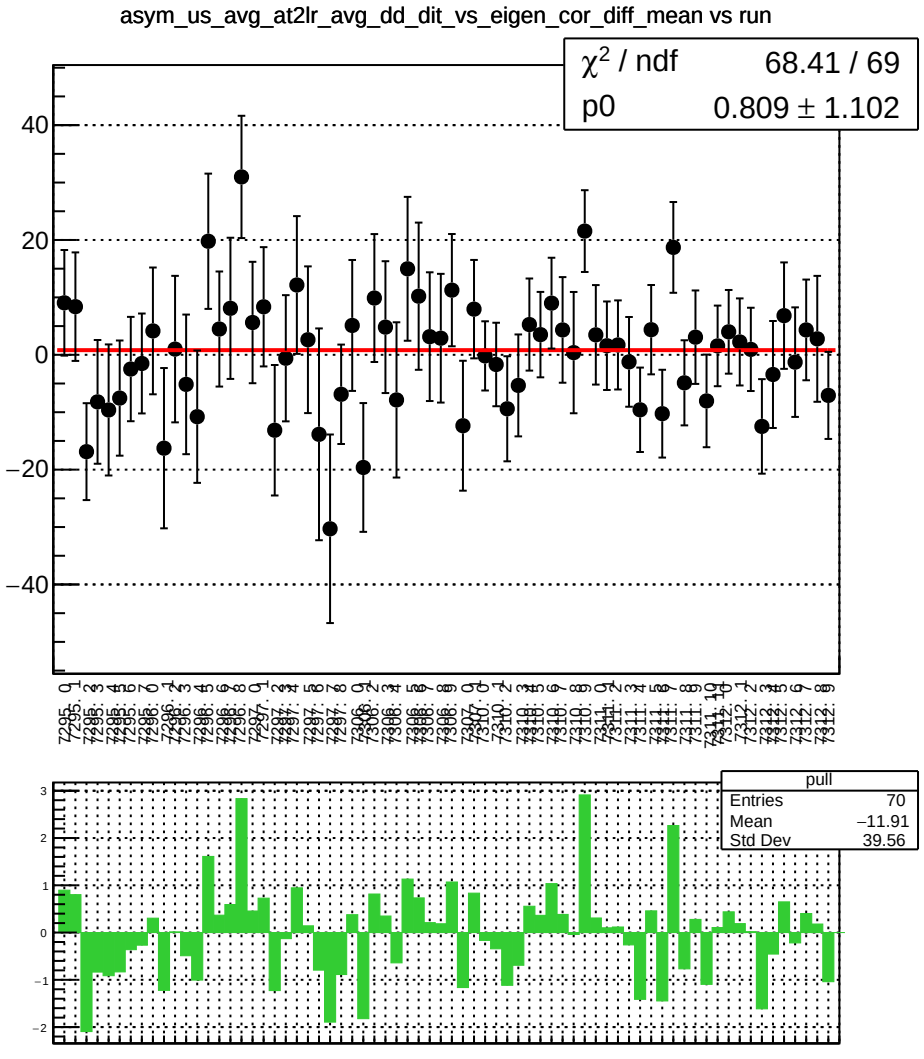

pull1D
Entries 70
Mean 0.04683
Std Dev 0.8517

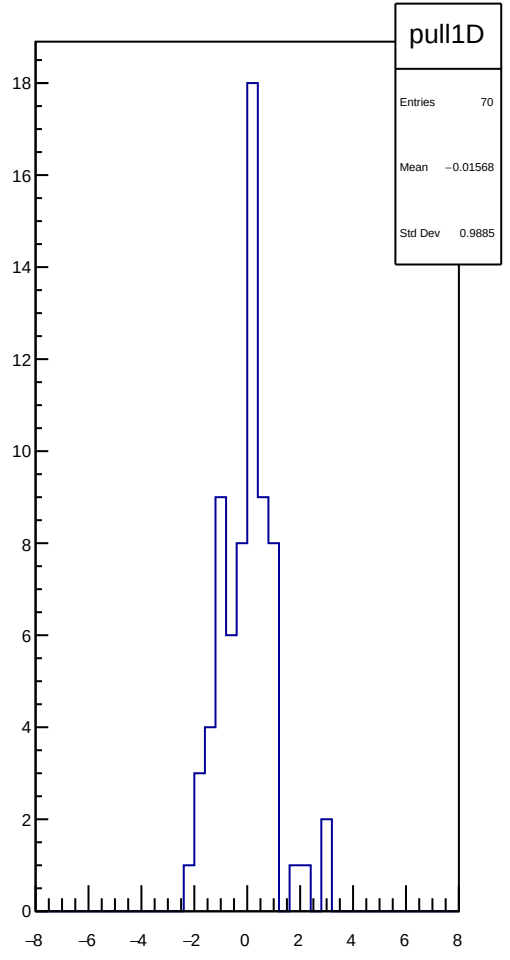

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.249e+05 / 69
p0 1.243e−10 ± 1.768e−13
1.2
1
0.8
0.6
0.4
0.2
0

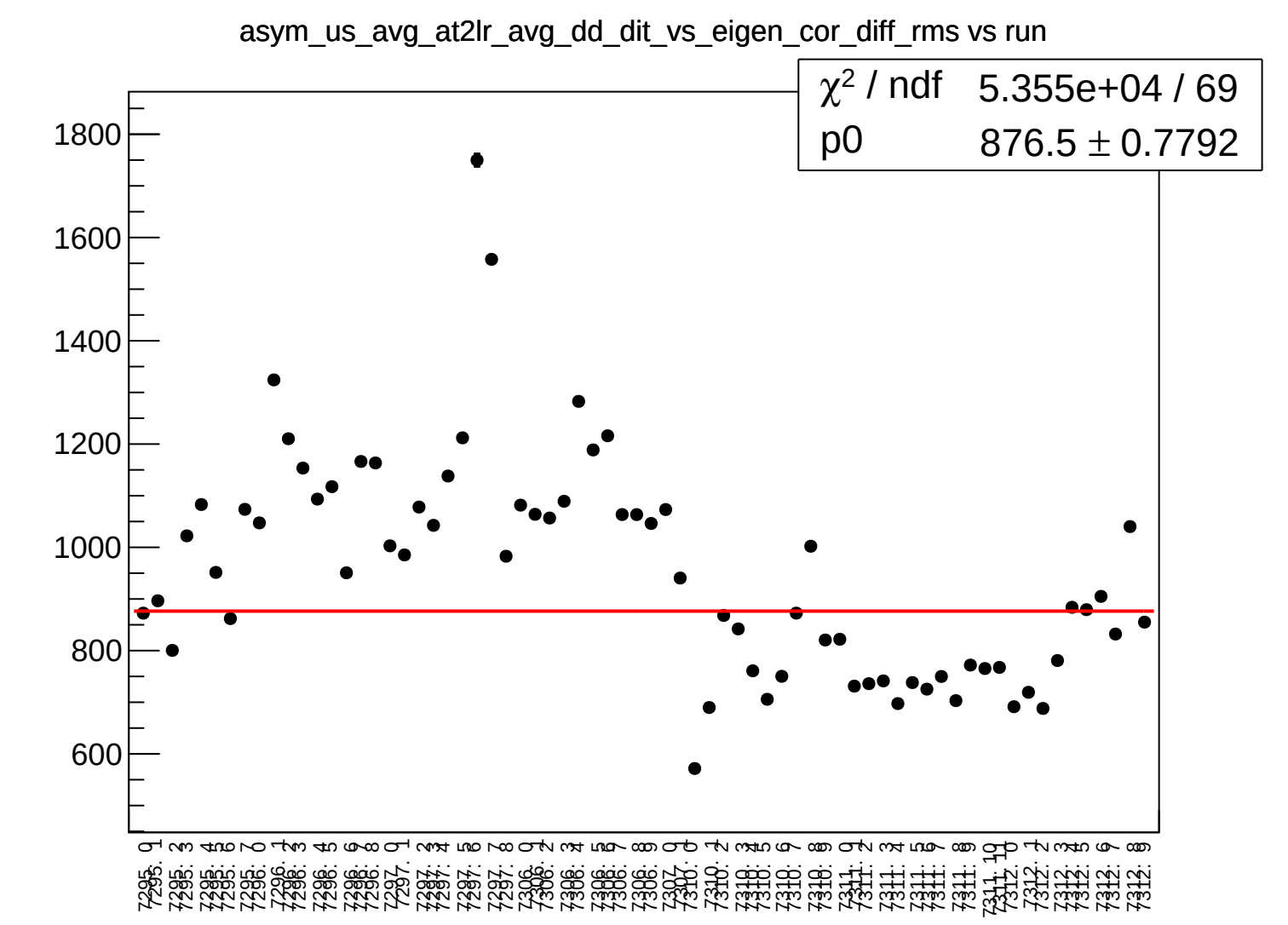

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.41 / 69
p0 0.809 ± 1.102
pull
Entries 70
Mean −11.91
Std Dev 39.56

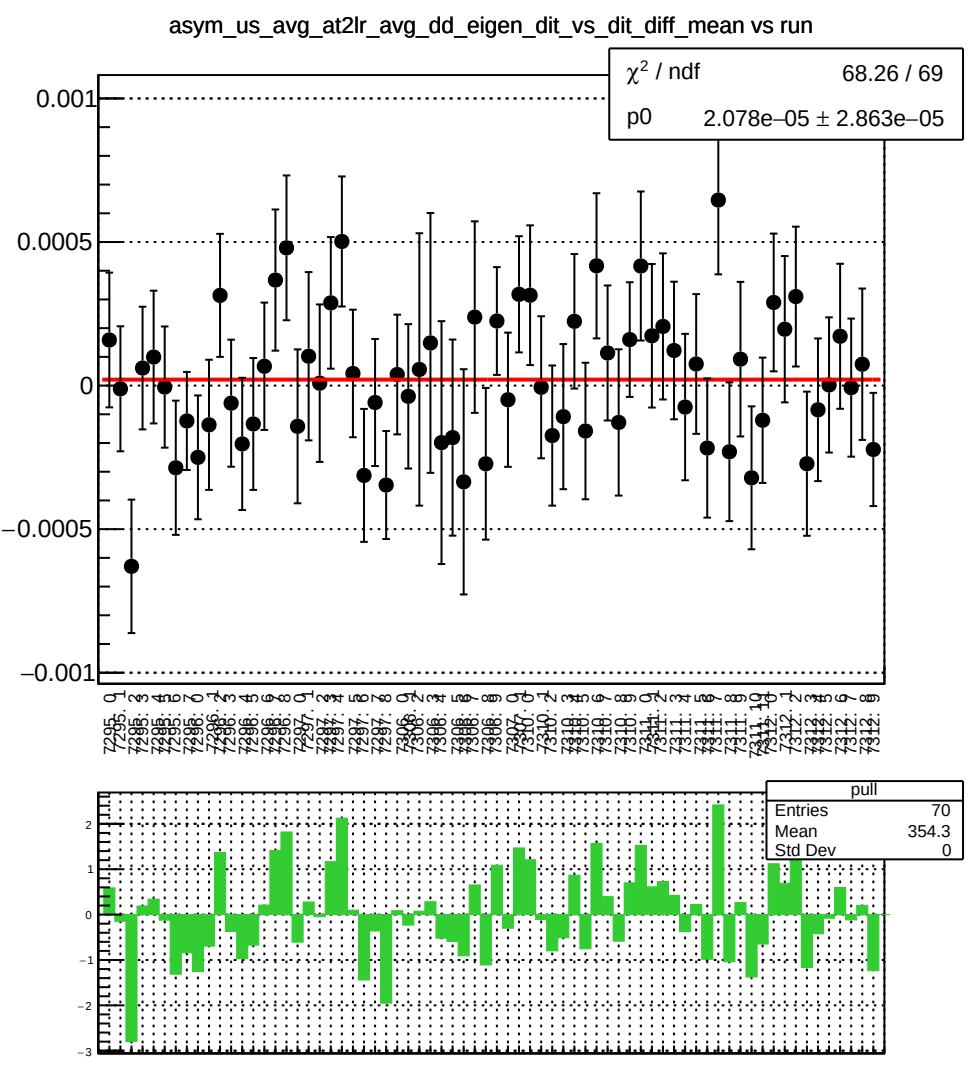

pull1D
Entries 70
Mean −0.01568
Std Dev 0.9885

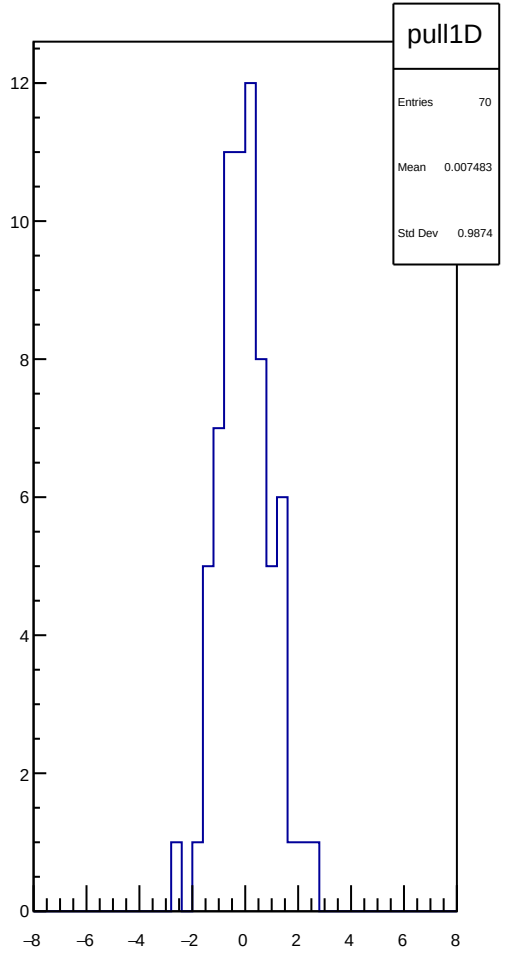

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.355e+04 / 69
p0 876.5 ± 0.7792
1800
1600
1400
1200
1000
800
600

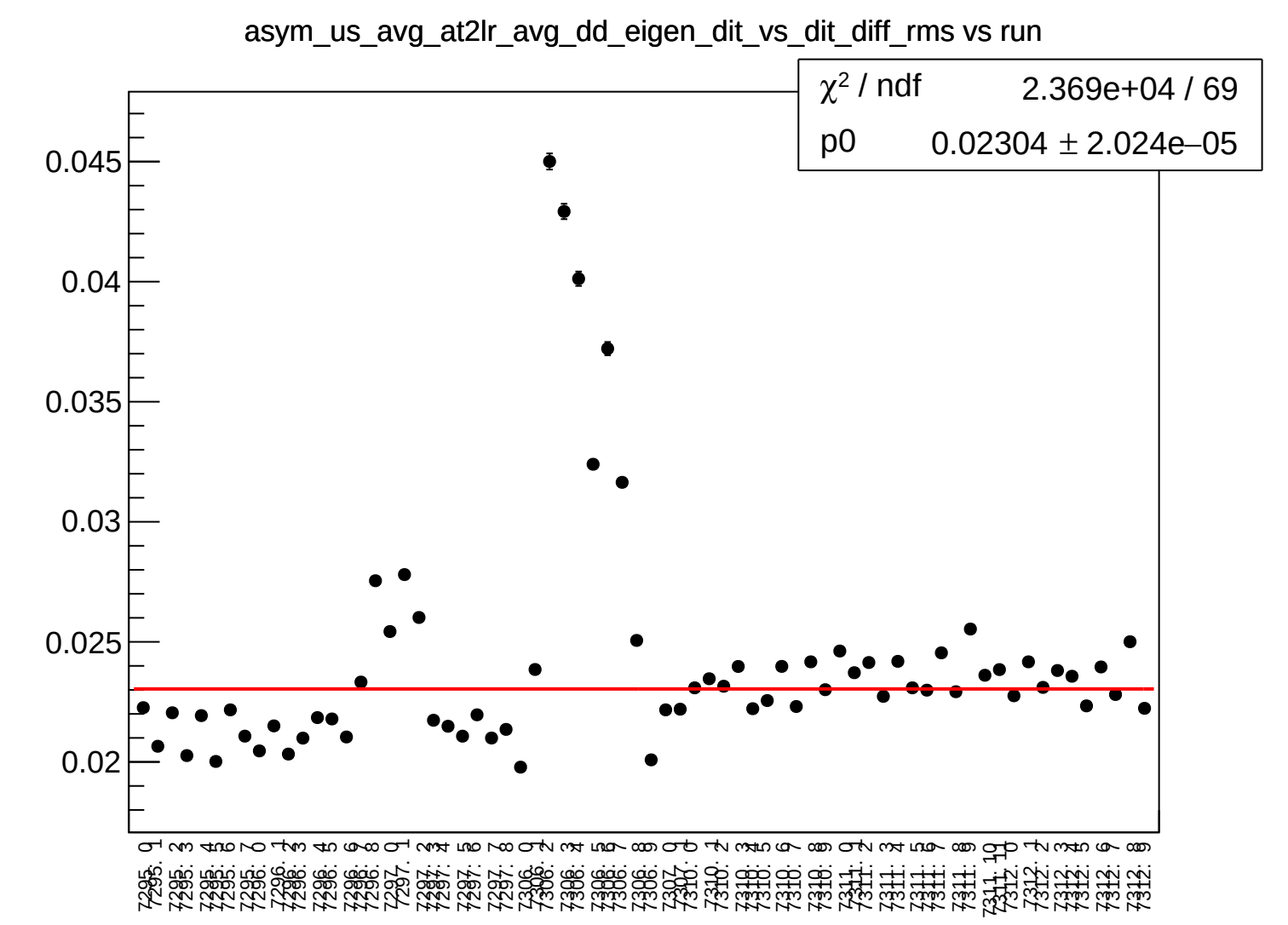

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.41 / 69
p0 0.809 ± 1.102
pull
Entries 70
Mean −11.91
Std Dev 39.56

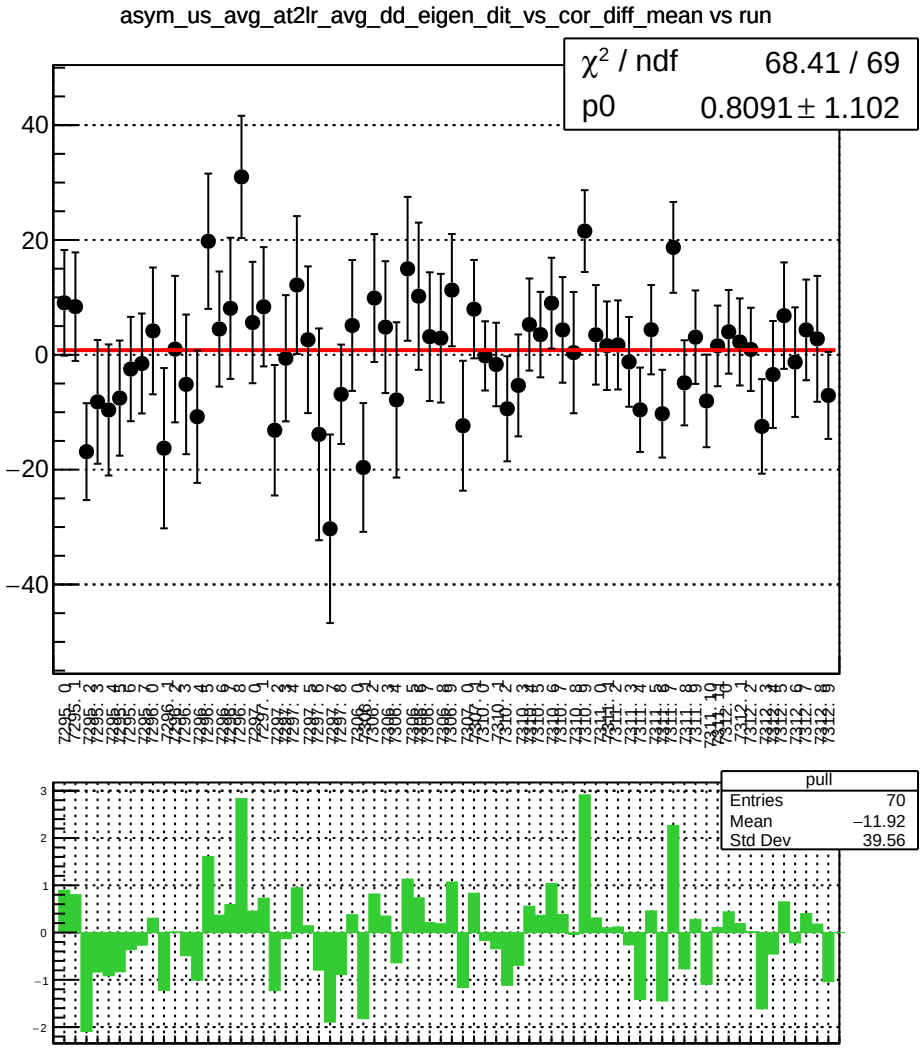

pull1D
Entries 70
Mean −0.01568
Std Dev 0.9885

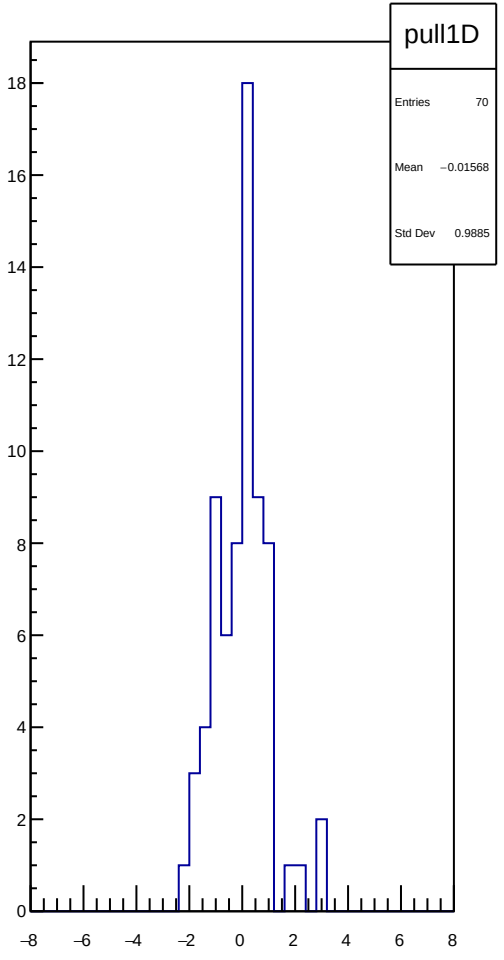

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.355e+04 / 69
p0 876.5 ± 0.7792
1800
1600
1400
1200
1000
800
600

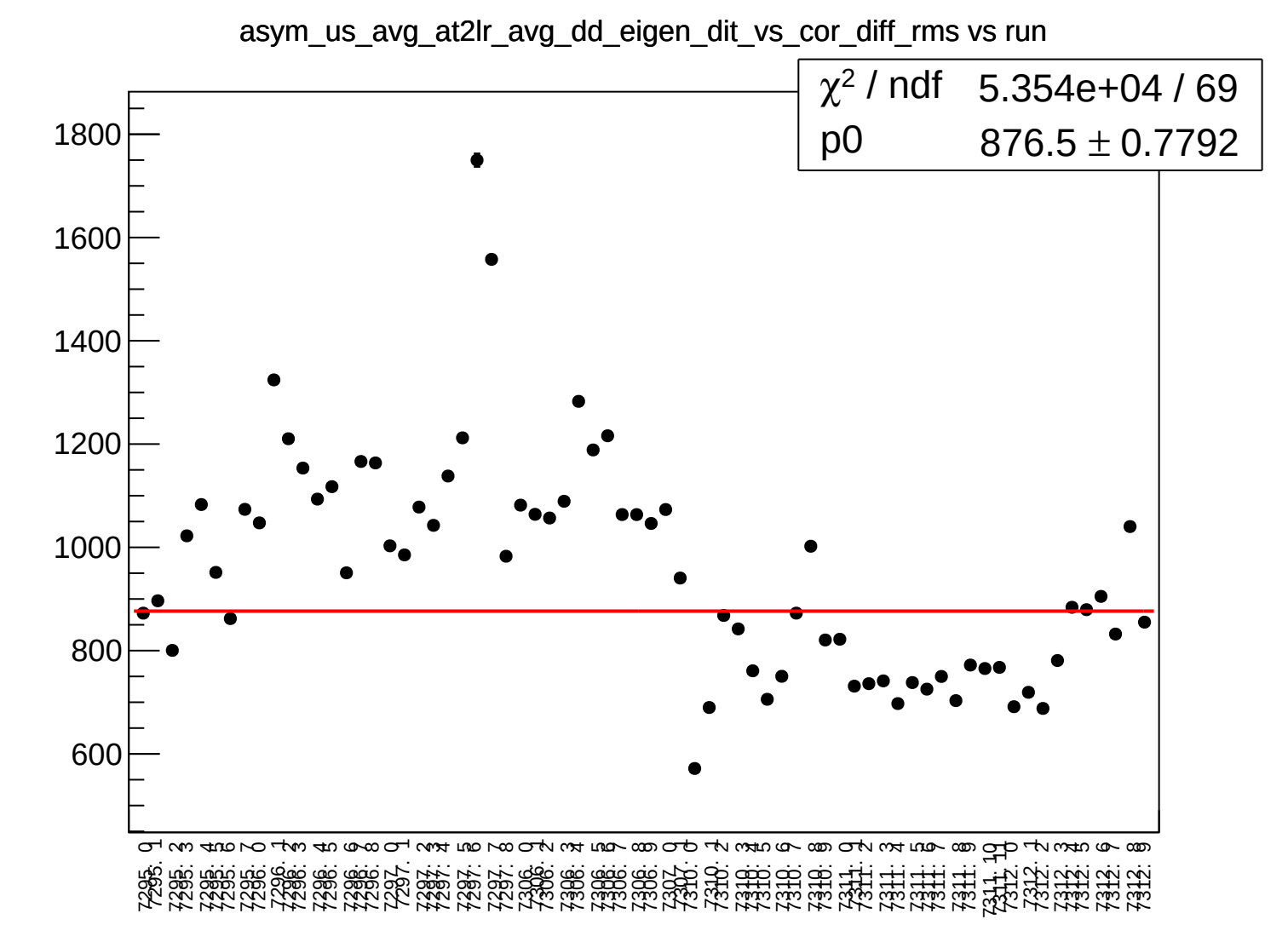

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.26 / 69
p0 2.078e−05 ± 2.863e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 354.3
Std Dev 0
2
1
0
−1
−2
−3

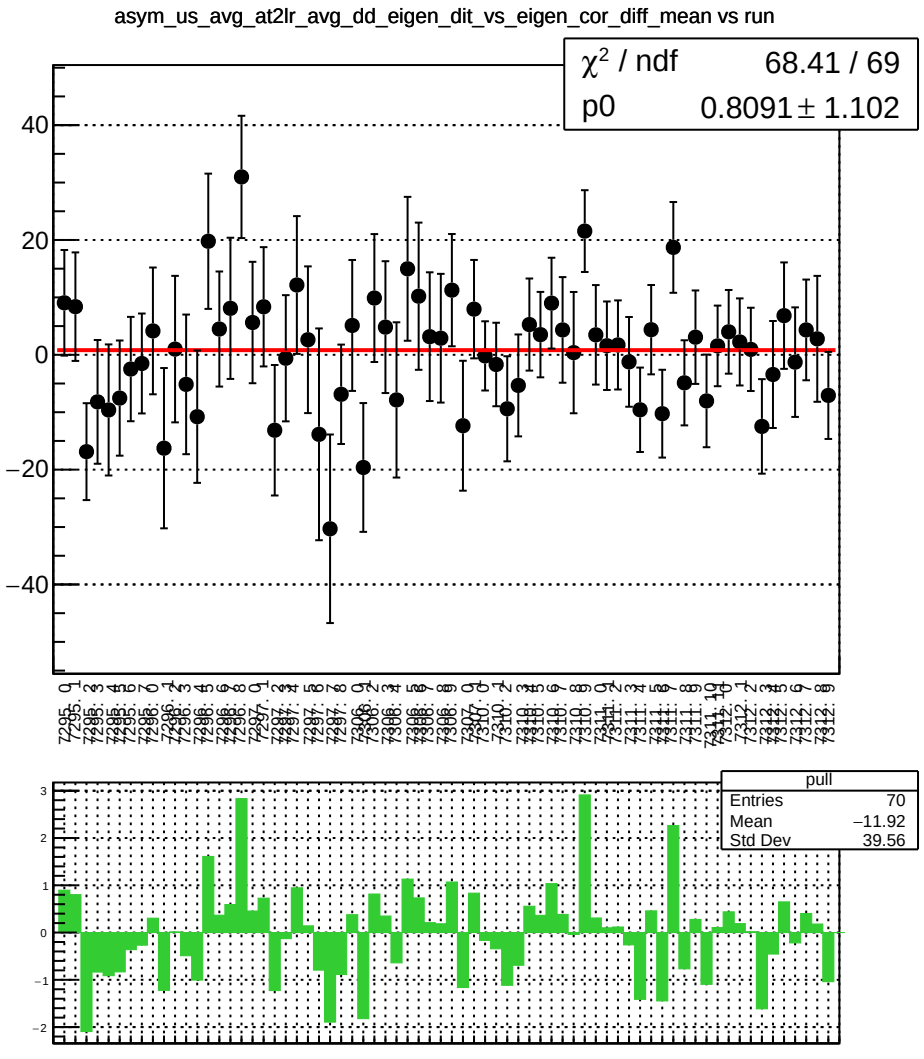

pull1D
Entries 70
Mean 0.007483
Std Dev 0.9874
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

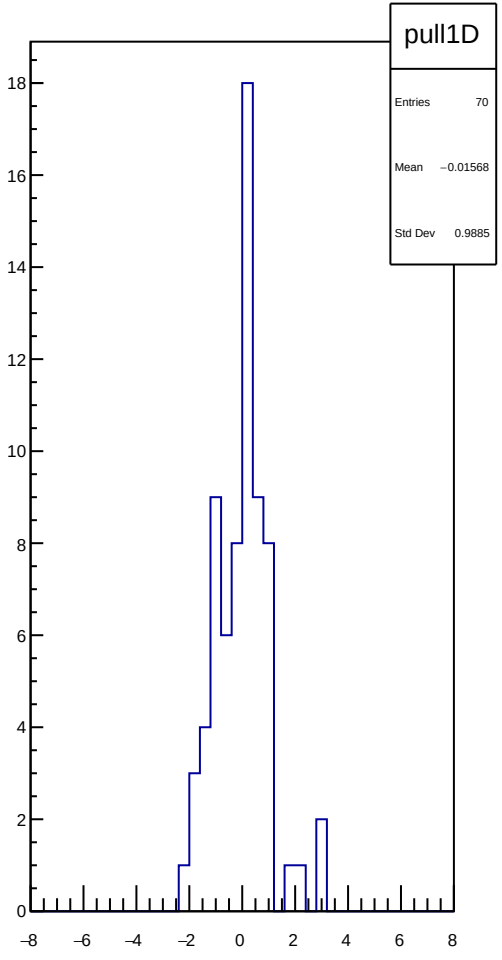

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.369e+04 / 69
p0 0.02304 ± 2.024e−05
0.045
0.04
0.035
0.03
0.025
0.02

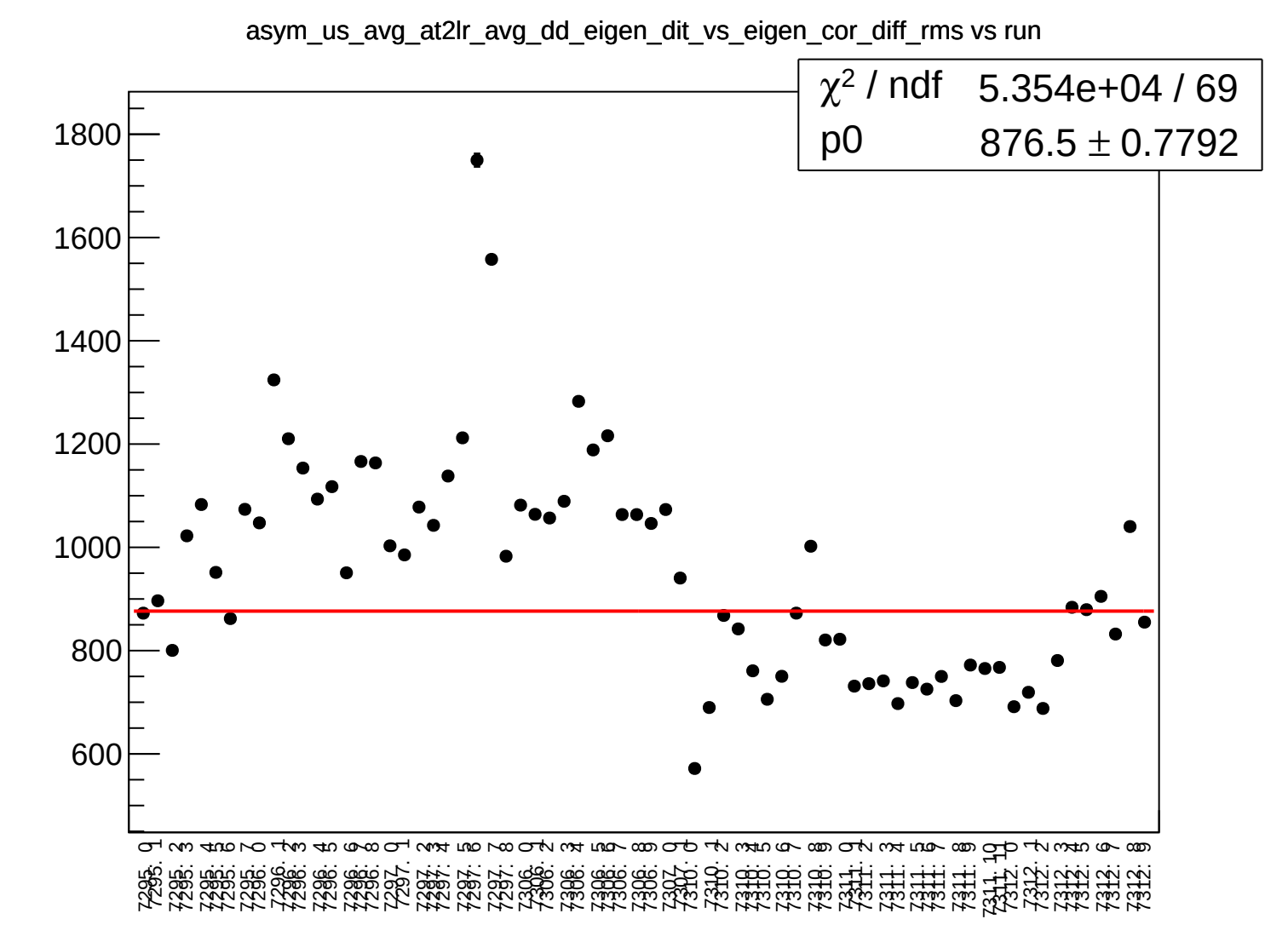

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.41 / 69
p0 0.8091 ± 1.102
pull
Entries 70
Mean −11.92
Std Dev 39.56

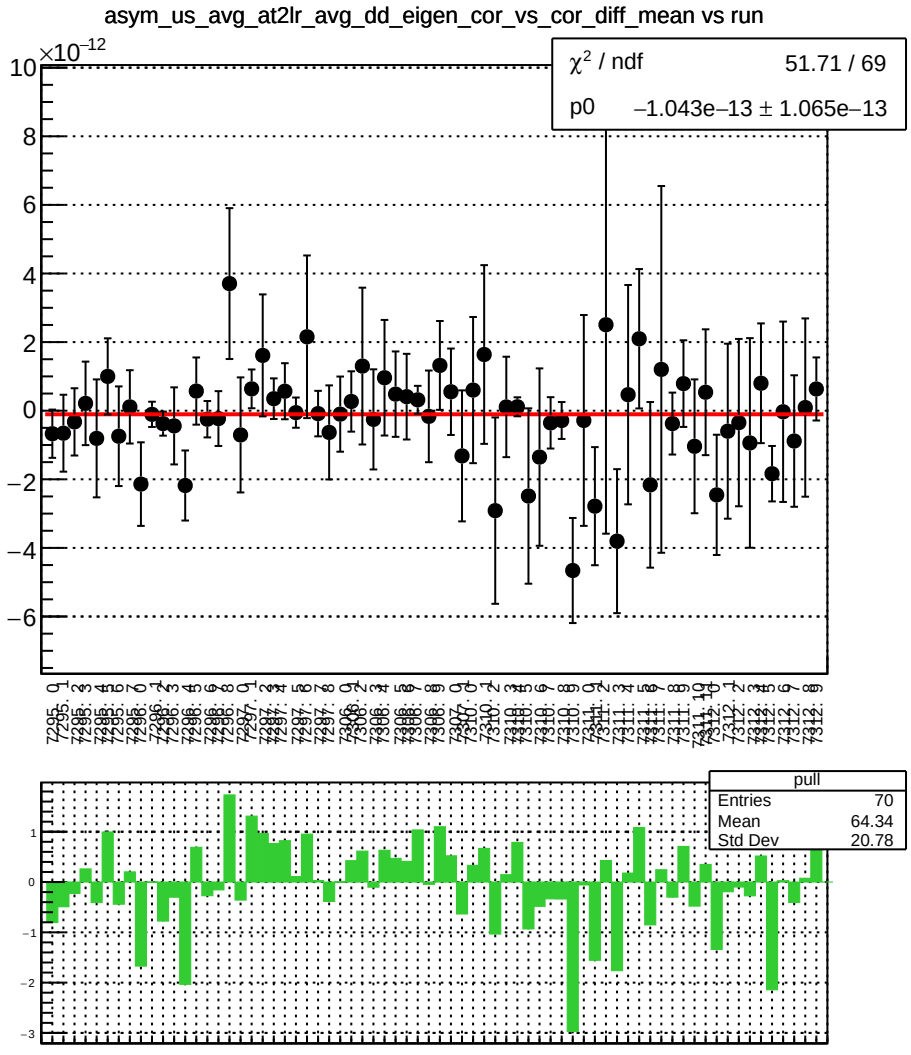

pull1D
Entries 70
Mean −0.01568
Std Dev 0.9885

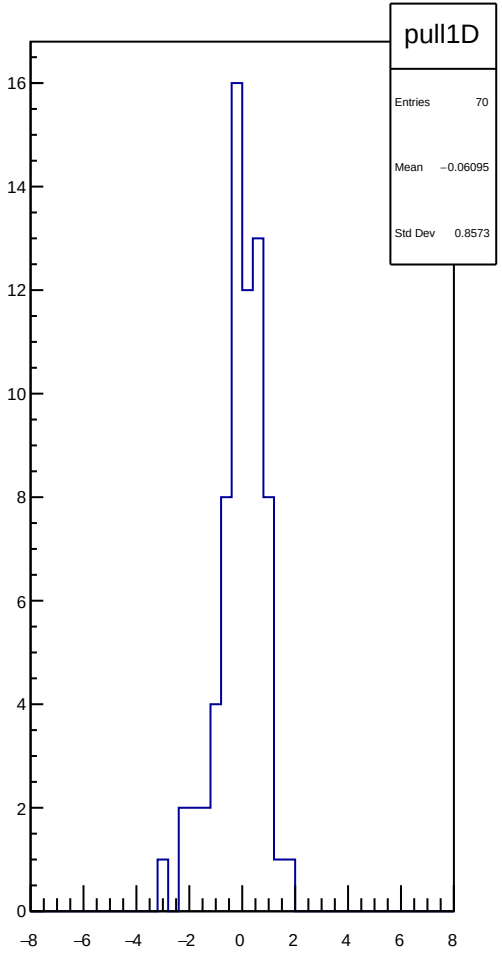

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.354e+04 / 69
p0 876.5 ± 0.7792
1800
1600
1400
1200
1000
800
600

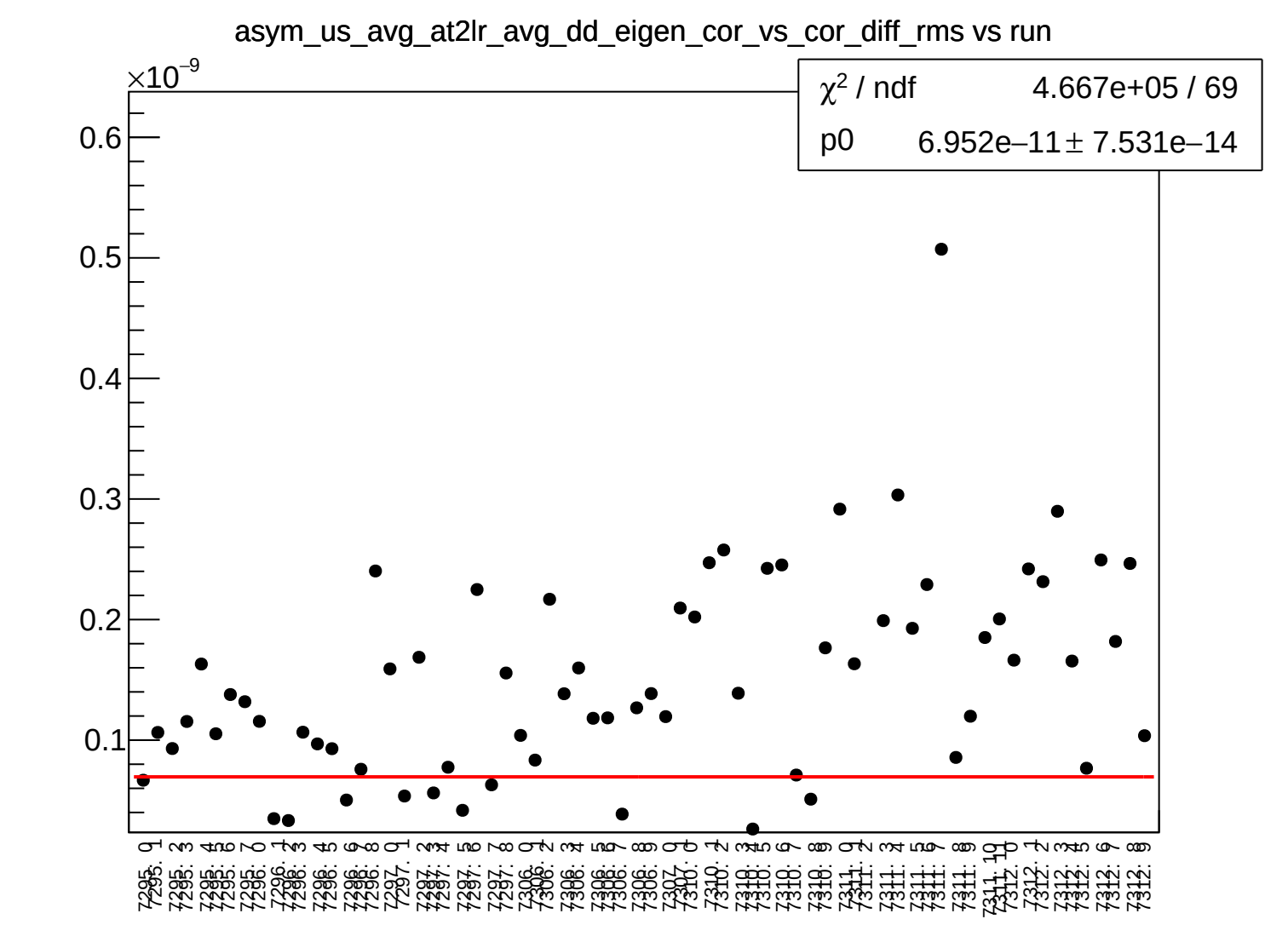

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 68.41 / 69
p0 0.8091 ± 1.102
pull
Entries 70
Mean −11.92
Std Dev 39.56

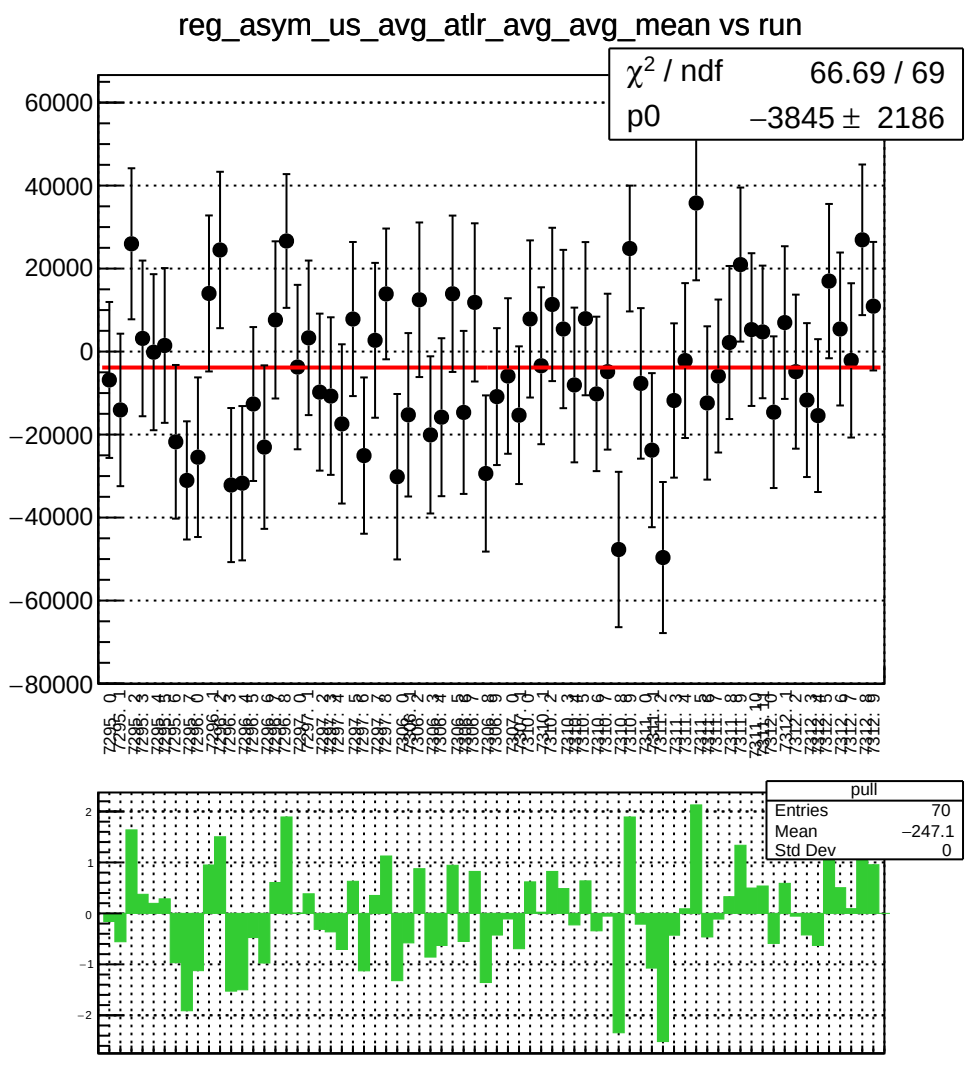

pull1D
Entries 70
Mean −0.01568
Std Dev 0.9885

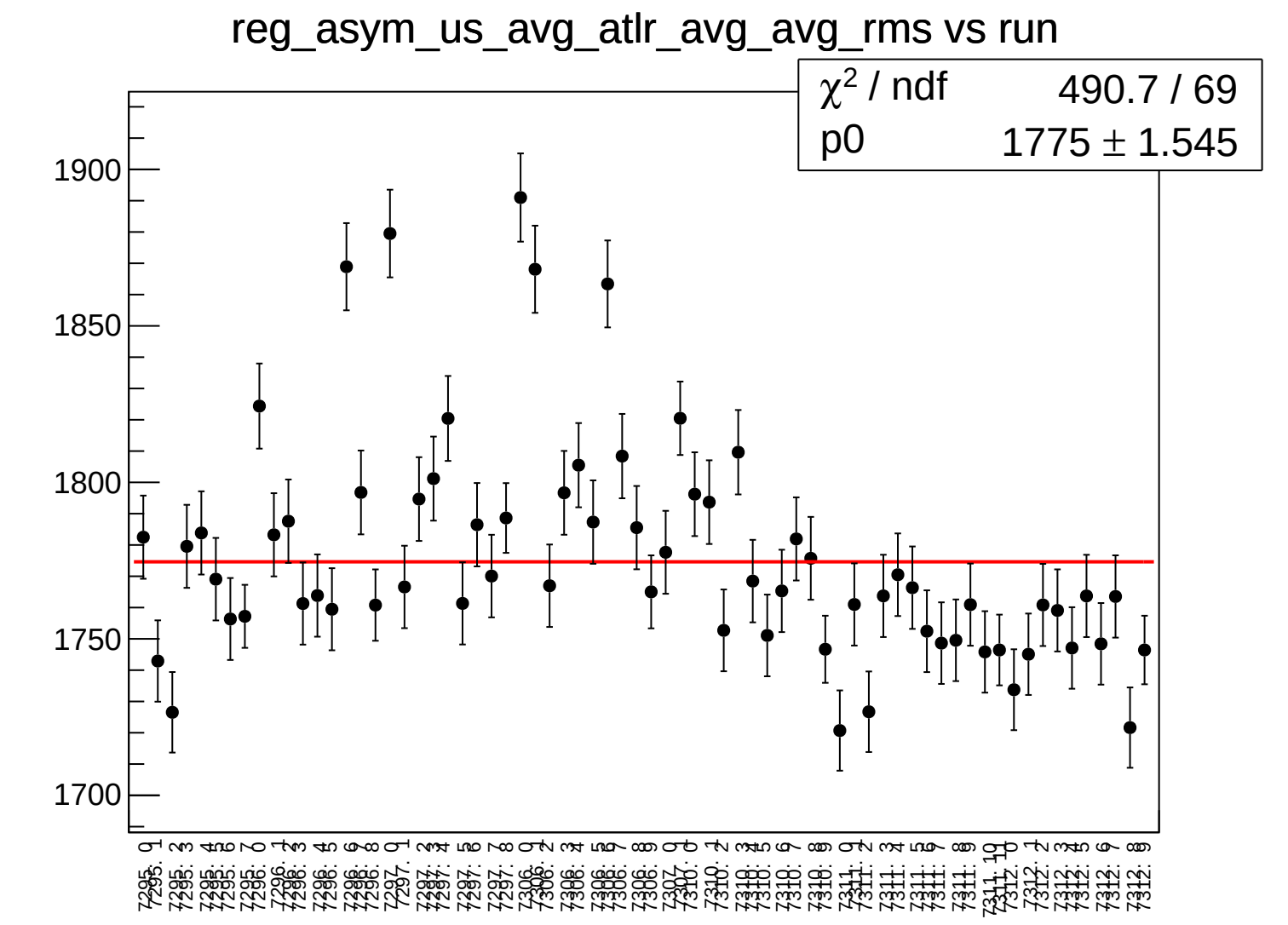

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.354e+04 / 69
p0 876.5 ± 0.7792
1800
1600
1400
1200
1000
800
600

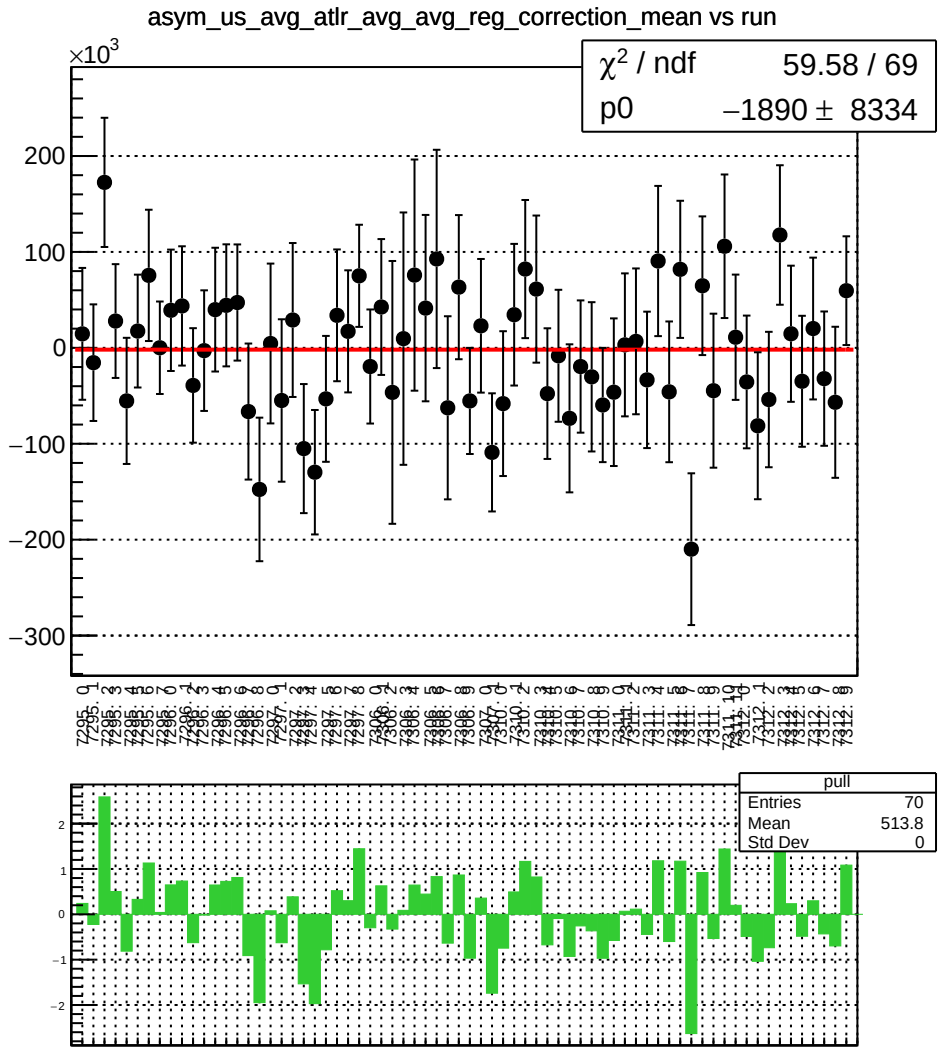

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.71 / 69
p0 −1.043e−13 ± 1.065e−13
pull
Entries 70
Mean 64.34
Std Dev 20.78

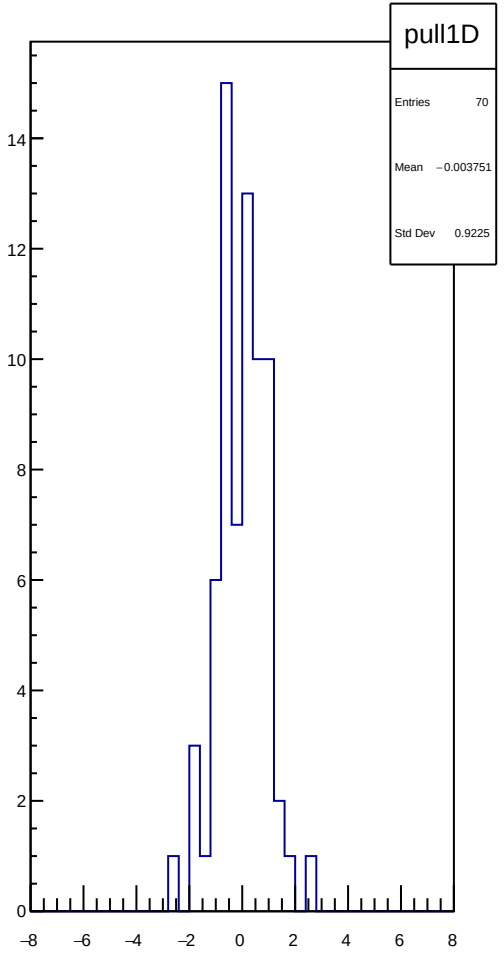

pull1D
Entries 70
Mean −0.06095
Std Dev 0.8573

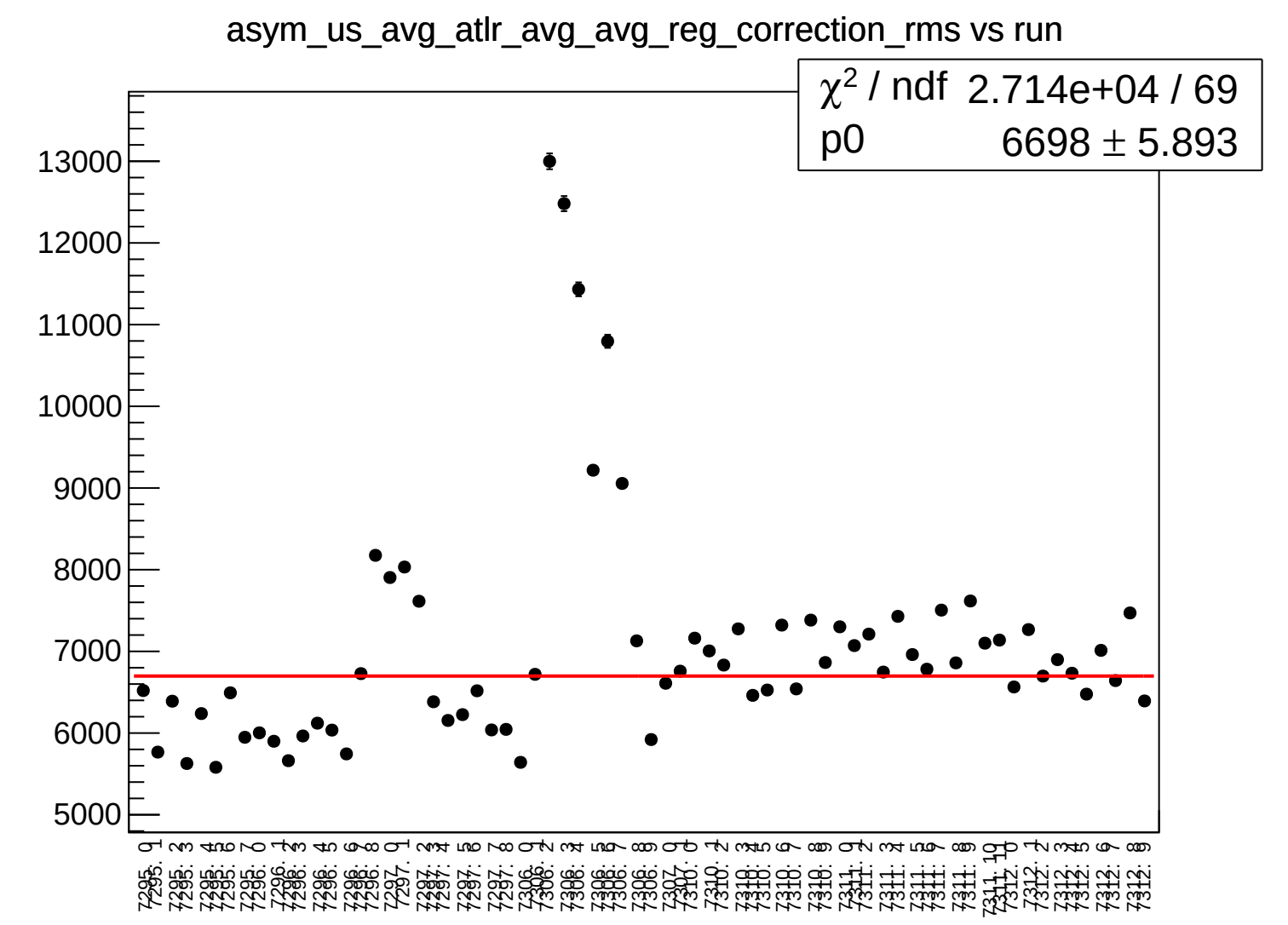

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.667e+05 / 69
p0 6.952e−11 ± 7.531e−14
0.6
0.5
0.4
0.3
0.2
0.1

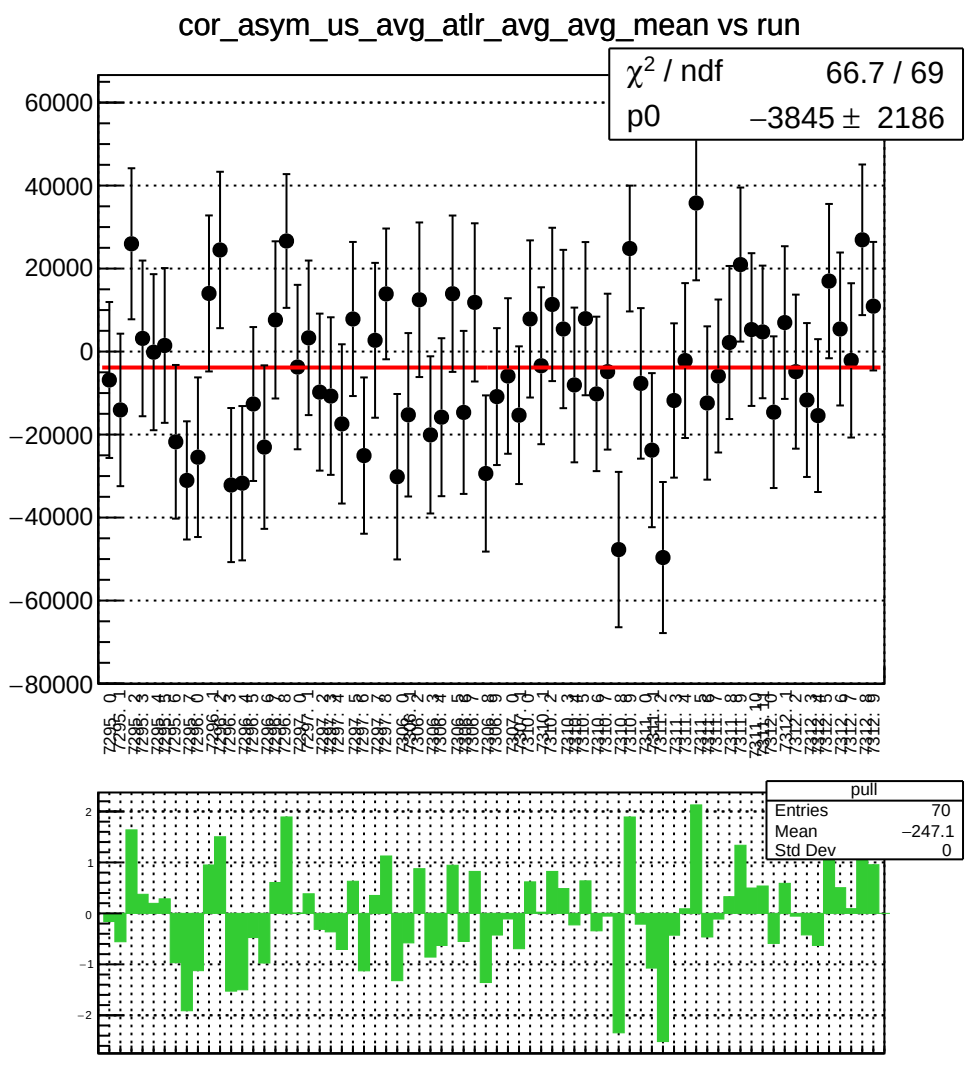

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 66.69 / 69
p0 −3845 ± 2186
pull
Entries 70
Mean −247.1
Std Dev 0
pull1D
Entries 70
Mean −0.01054
Std Dev 0.9761

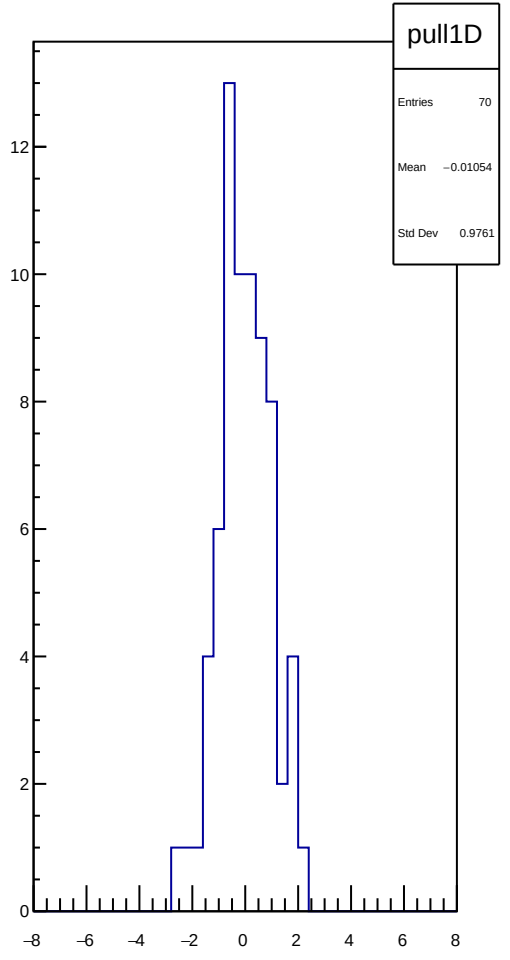

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 490.7 / 69
p0 1775 ± 1.545
1900
1850
1800
1750
1700

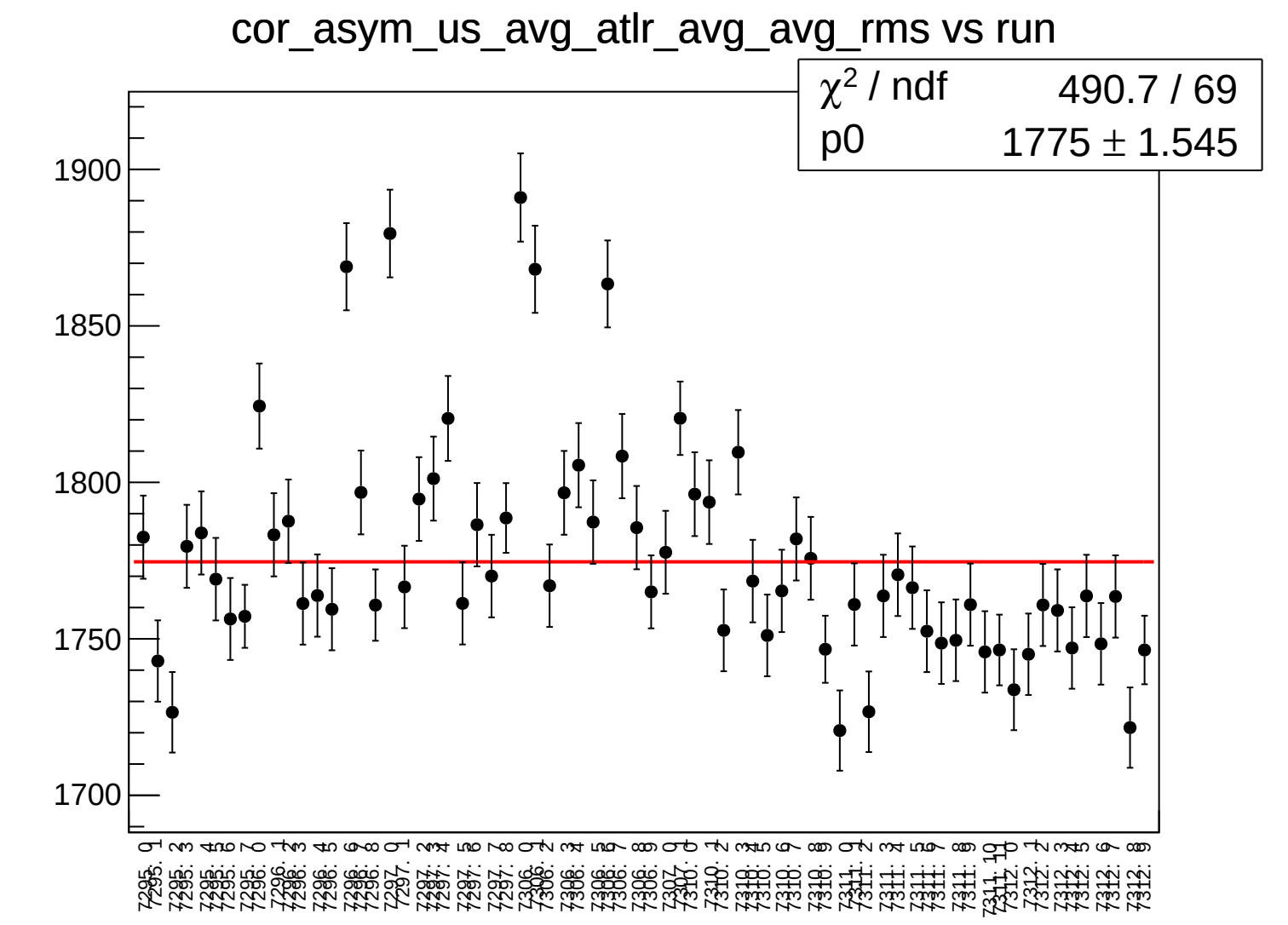

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 59.58 / 69
p0 −1890 ± 8334
200
100
0
−100
−200
−300
pull
Entries 70
Mean 513.8
Std Dev 0
2
1
0
−1
−2

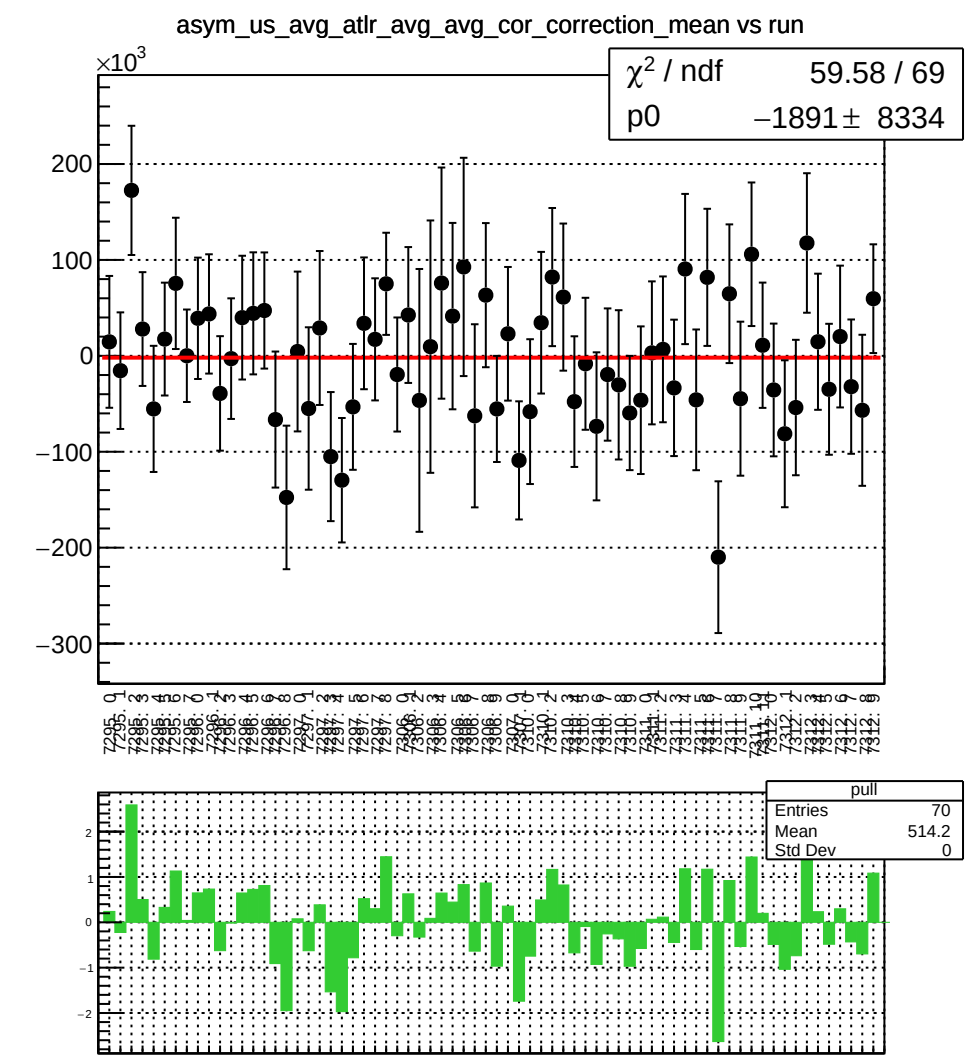

pull1D
Entries 70
Mean −0.003751
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

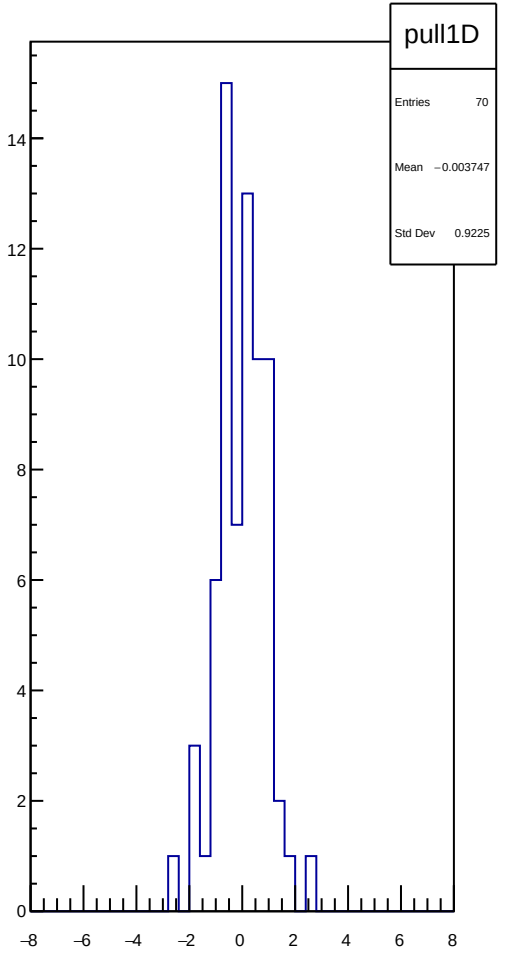

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ^2 / ndf 2.714e+04 / 69
p0 6698 ± 5.893
13000
12000
11000
10000
9000
8000
7000
6000
5000

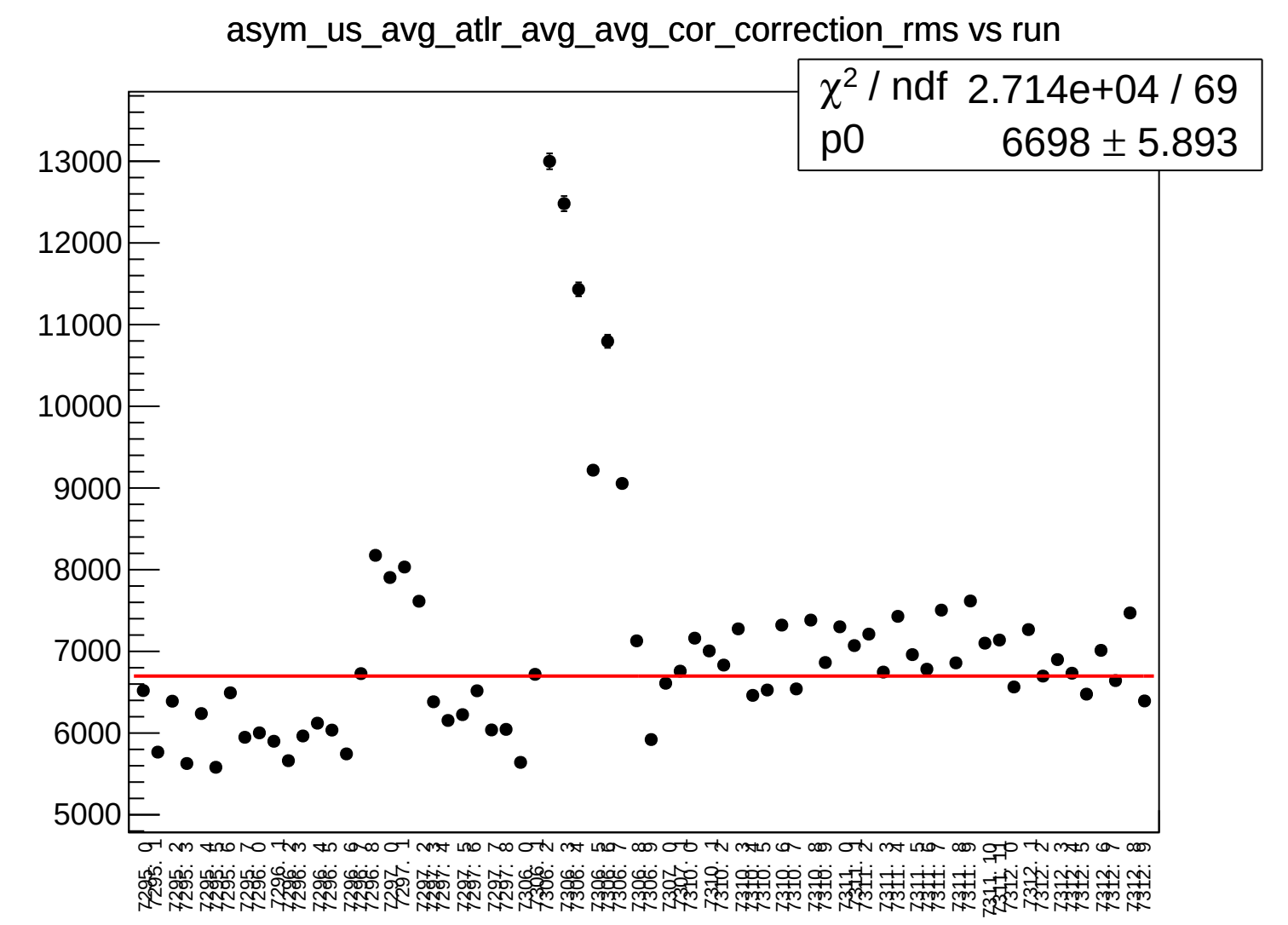

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 66.7 / 69
p0 −3845 ± 2186
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean −247.1
Std Dev 0
2
1
0
−1
−2

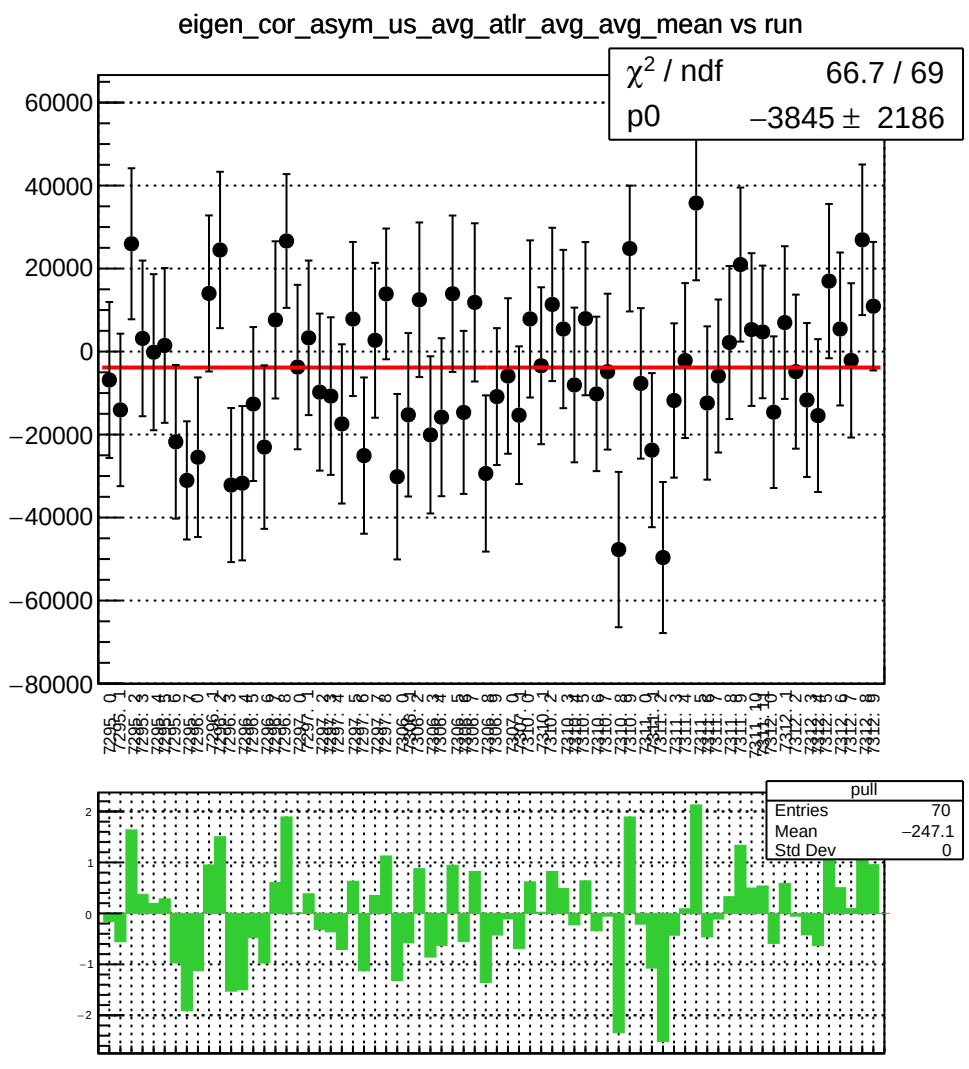

pull1D
Entries 70
Mean −0.01054
Std Dev 0.9761
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

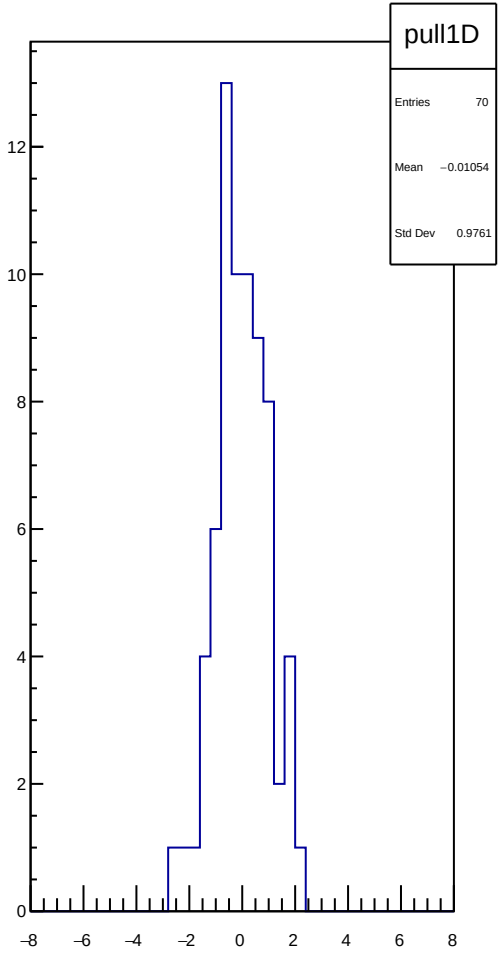

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 490.7 / 69
p0 1775 ± 1.545
1900
1850
1800
1750
1700

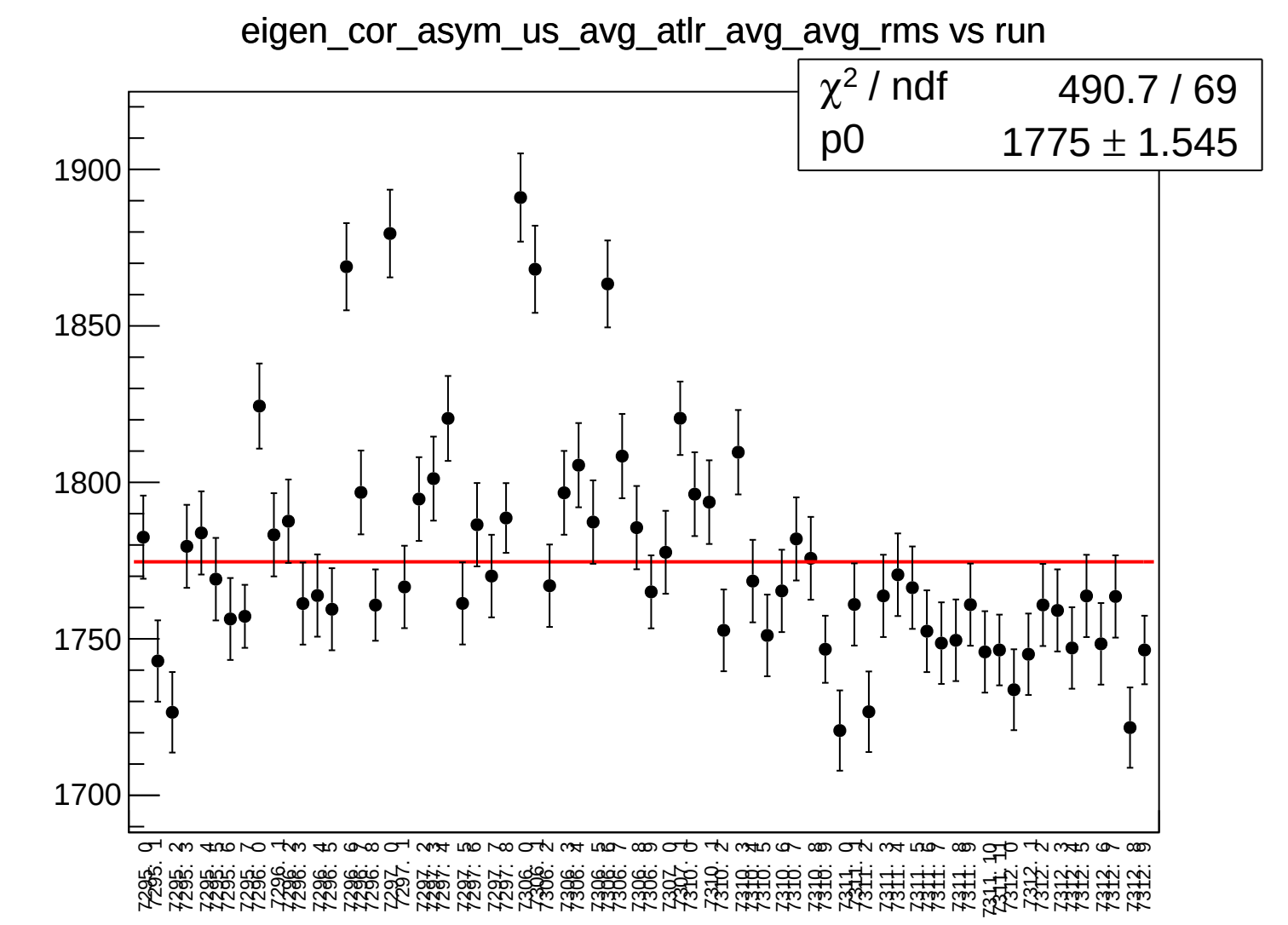

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.58 / 69
p0 −1891 ± 8334
200
100
0
−100
−200
−300
pull
Entries 70
Mean 514.2
Std Dev 0
2
1
0
−1
−2

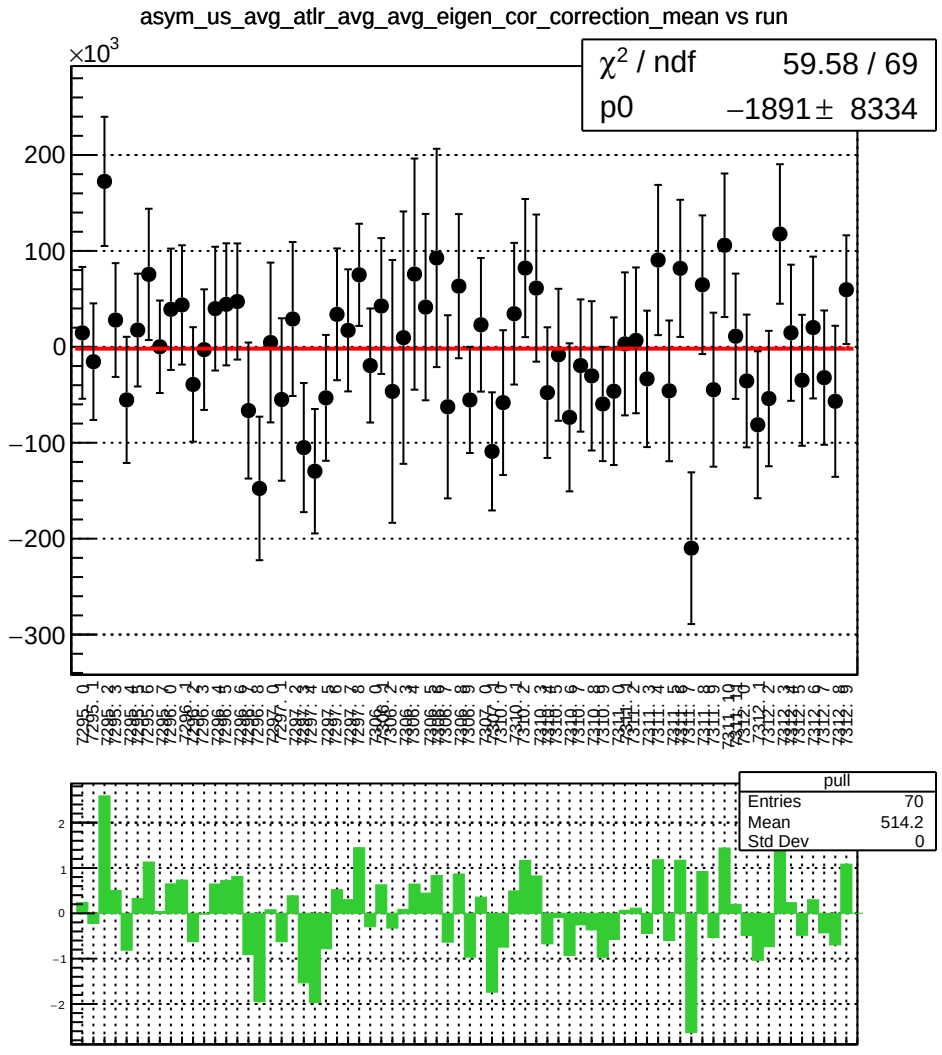

pull1D
Entries 70
Mean −0.003747
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

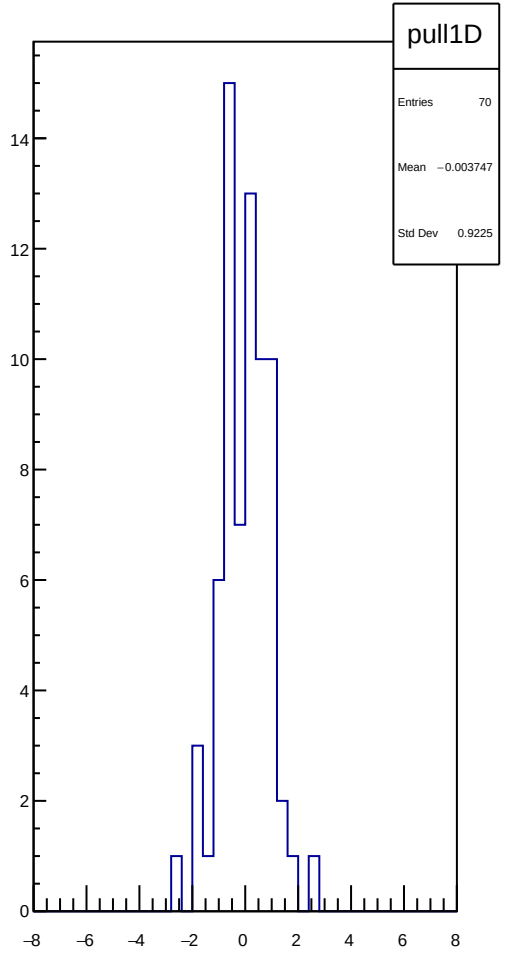

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.714e+04 / 69
p0 6698 ± 5.893
13000
12000
11000
10000
9000
8000
7000
6000
5000

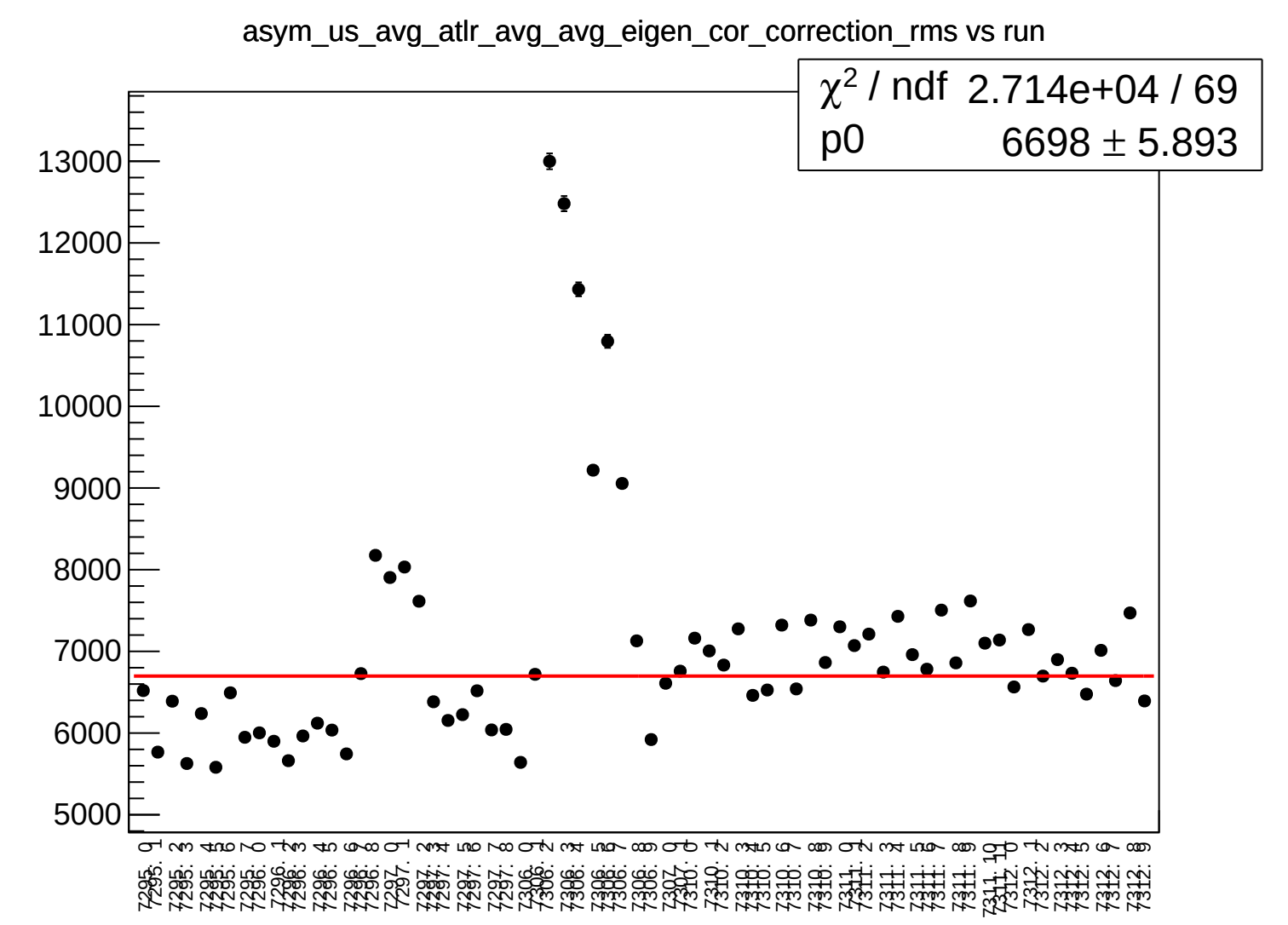

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 66.7 / 69
p0 −3845 ± 2186
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean −247.1
Std Dev 0
2
1
0
−1
−2

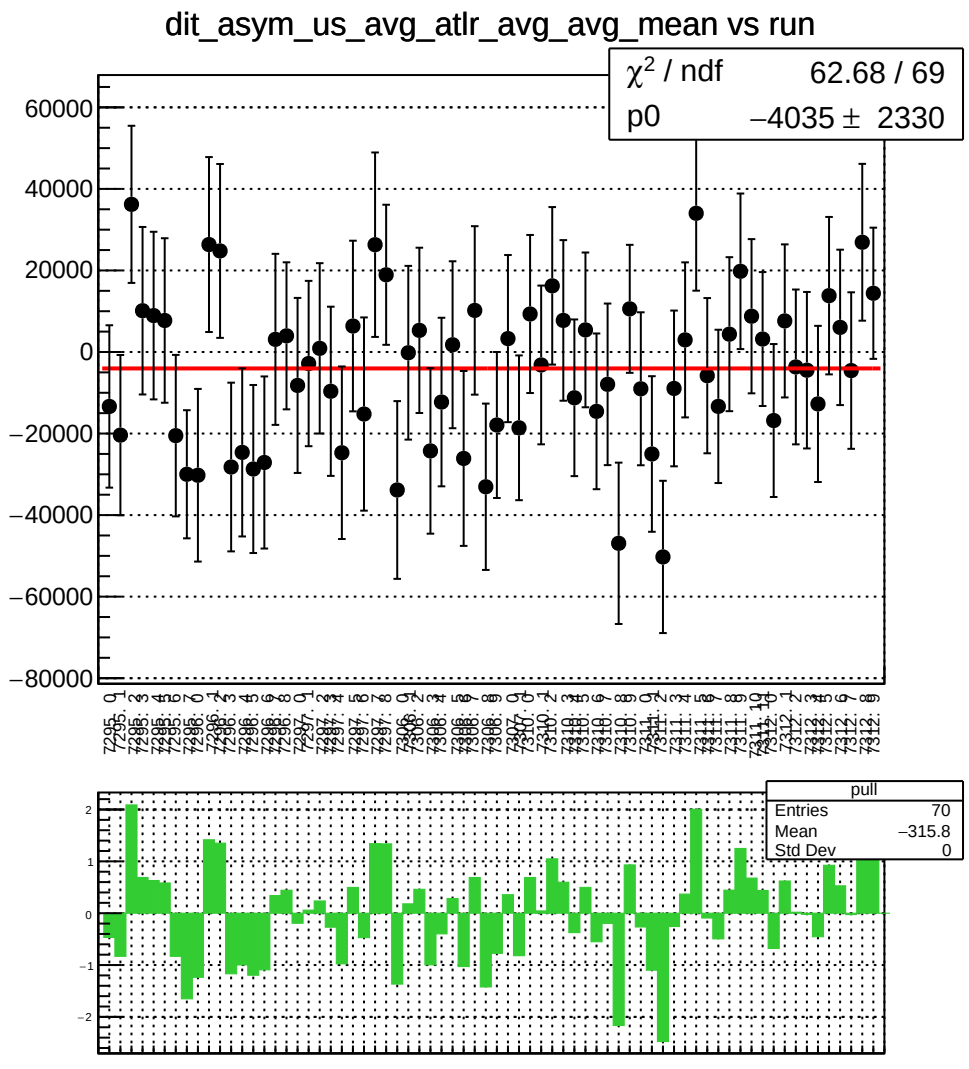

pull1D
Entries 70
Mean −0.01054
Std Dev 0.9761
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

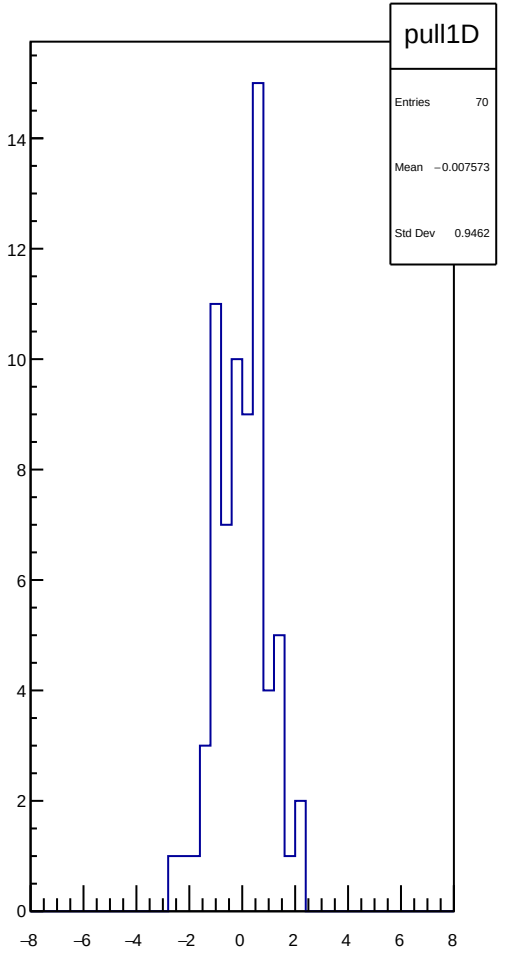

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 490.7 / 69
p0 1775 ± 1.545
1900
1850
1800
1750
1700

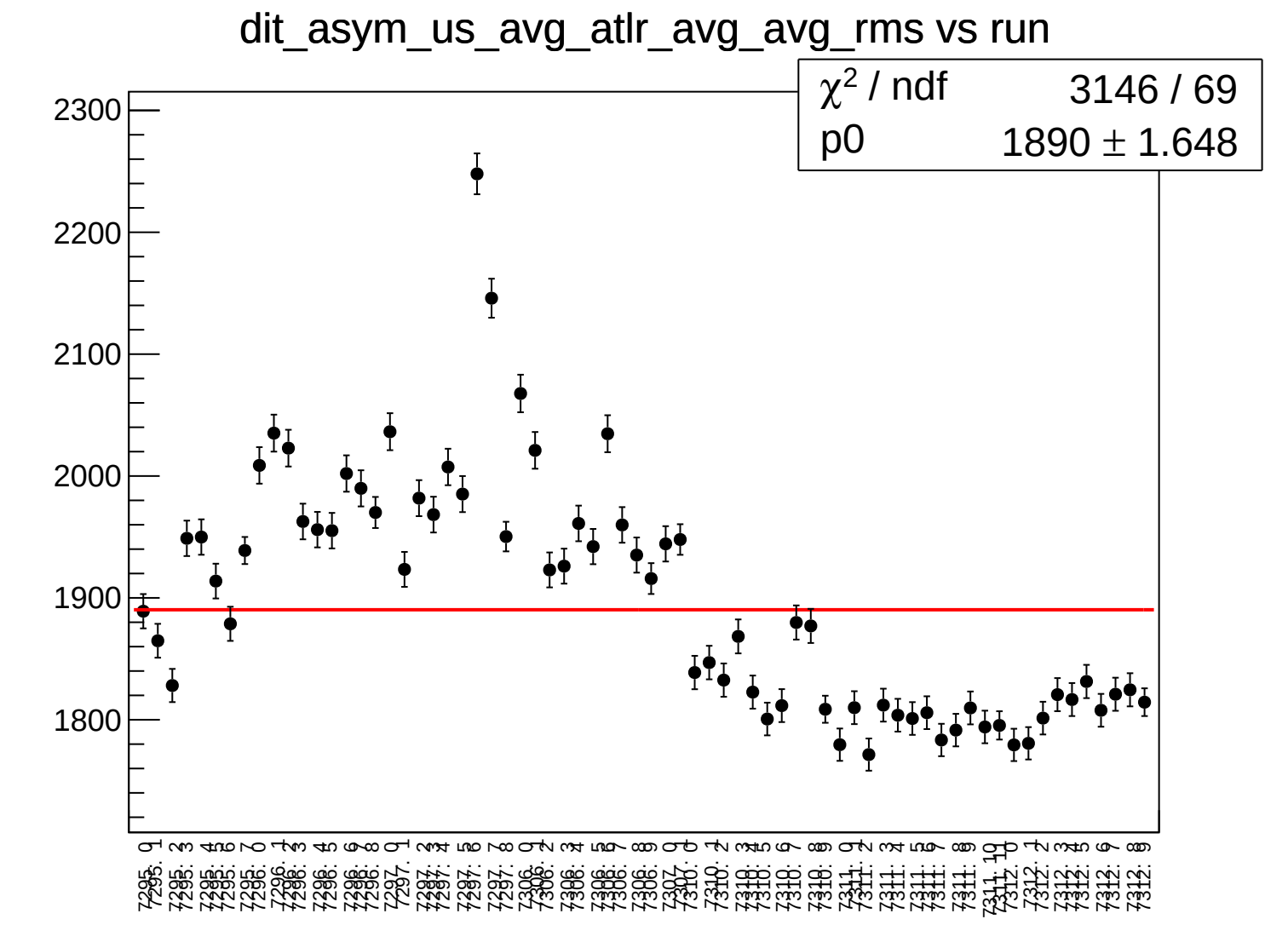

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.58 / 69
p0 −1891 ± 8334
200
100
0
−100
−200
−300
pull
Entries 70
Mean 514.2
Std Dev 0
2
1
0
−1
−2

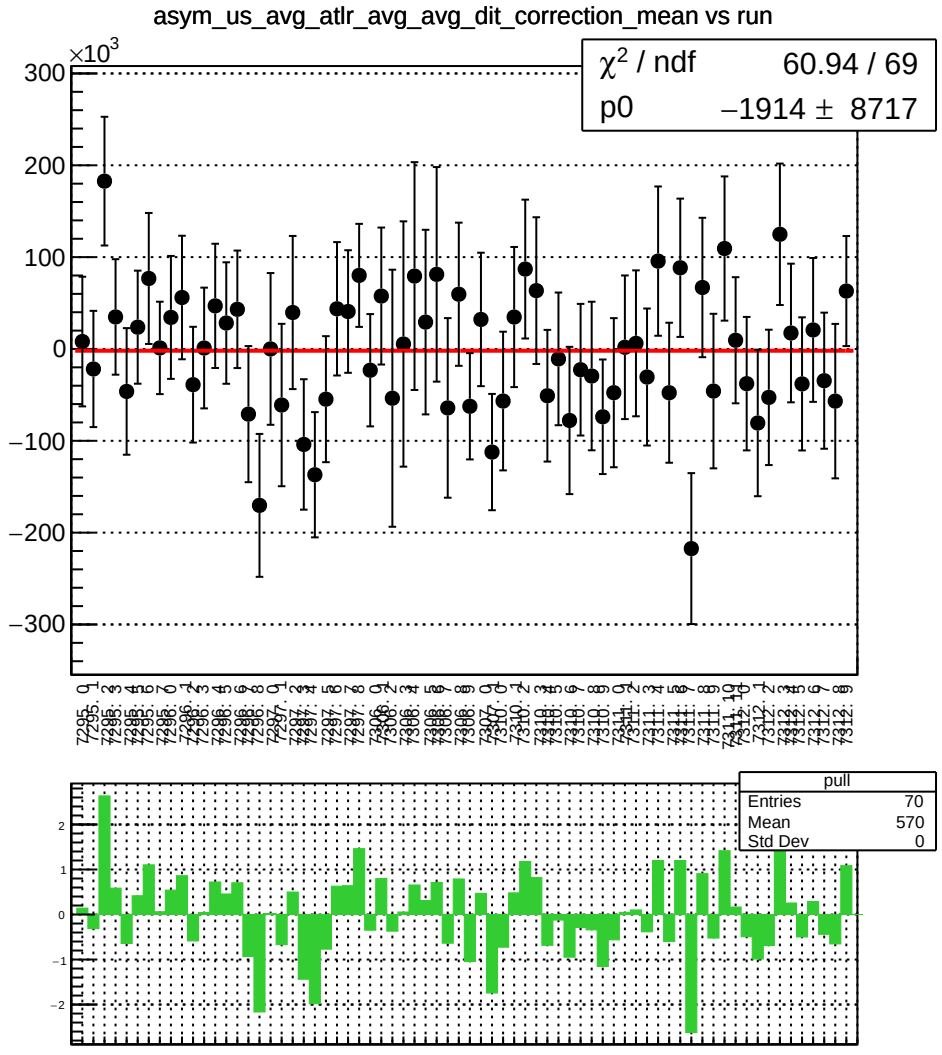

pull1D
Entries 70
Mean −0.003747
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

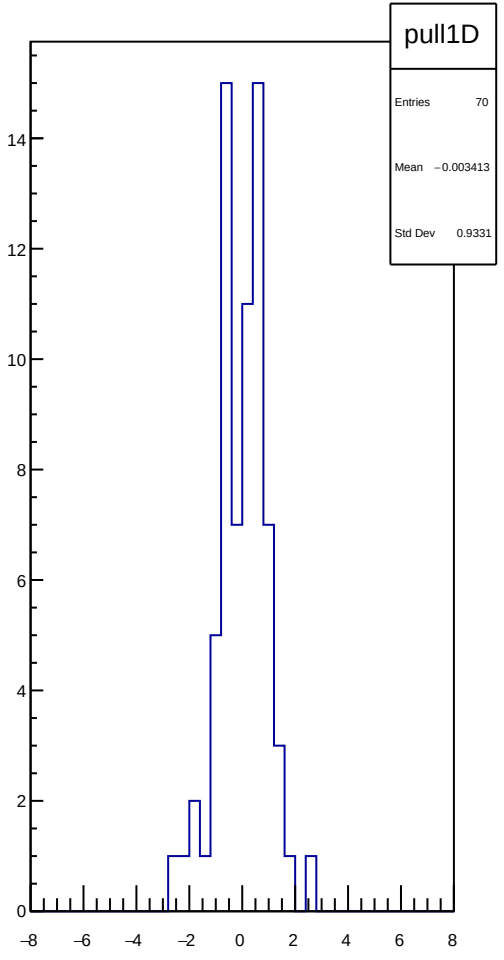

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.714e+04 / 69
p0 6698 ± 5.893
13000
12000
11000
10000
9000
8000
7000
6000
5000

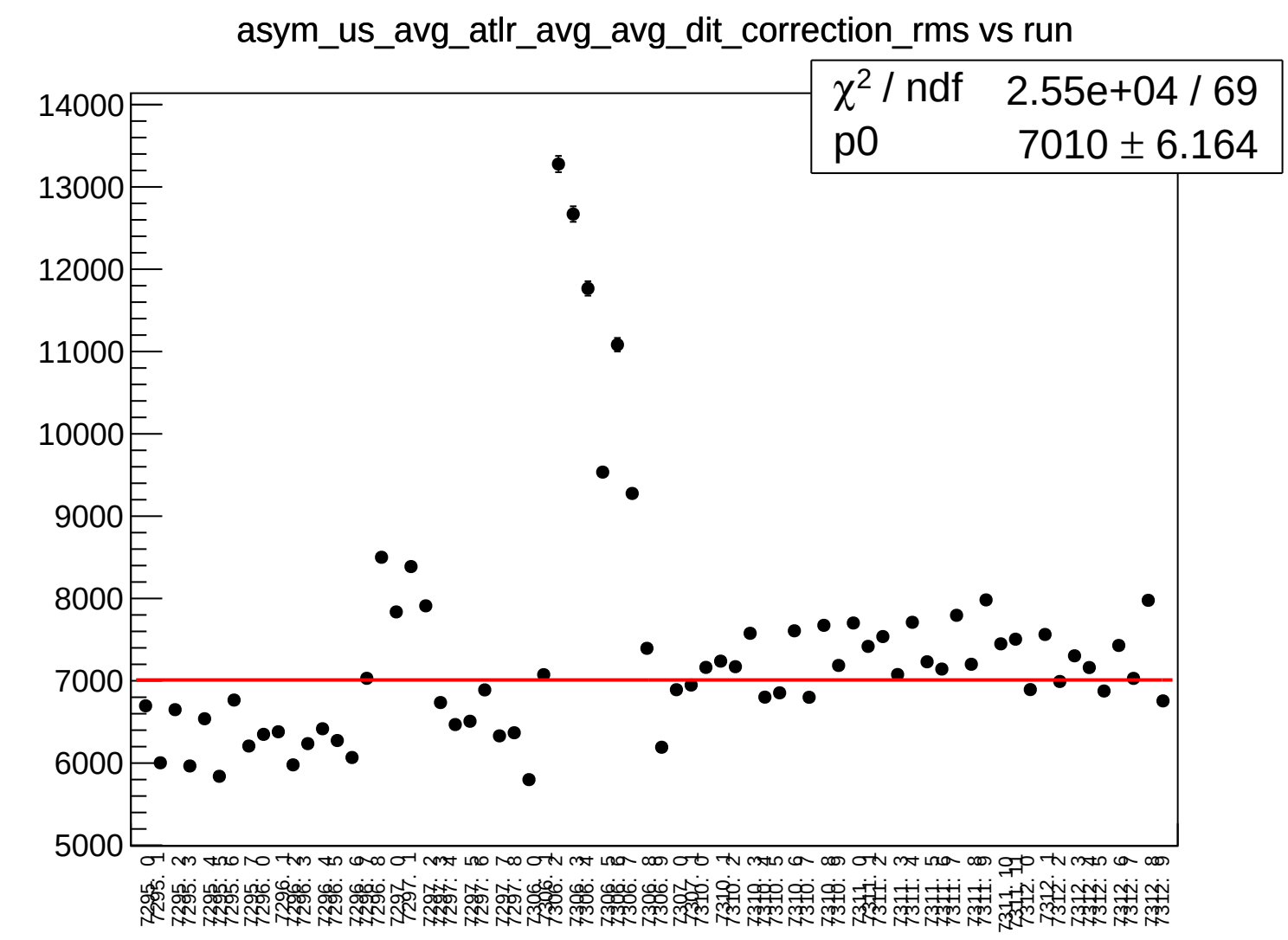

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 62.68 / 69
p0 −4035 ± 2330
pull
Entries 70
Mean −315.8
Std Dev 0

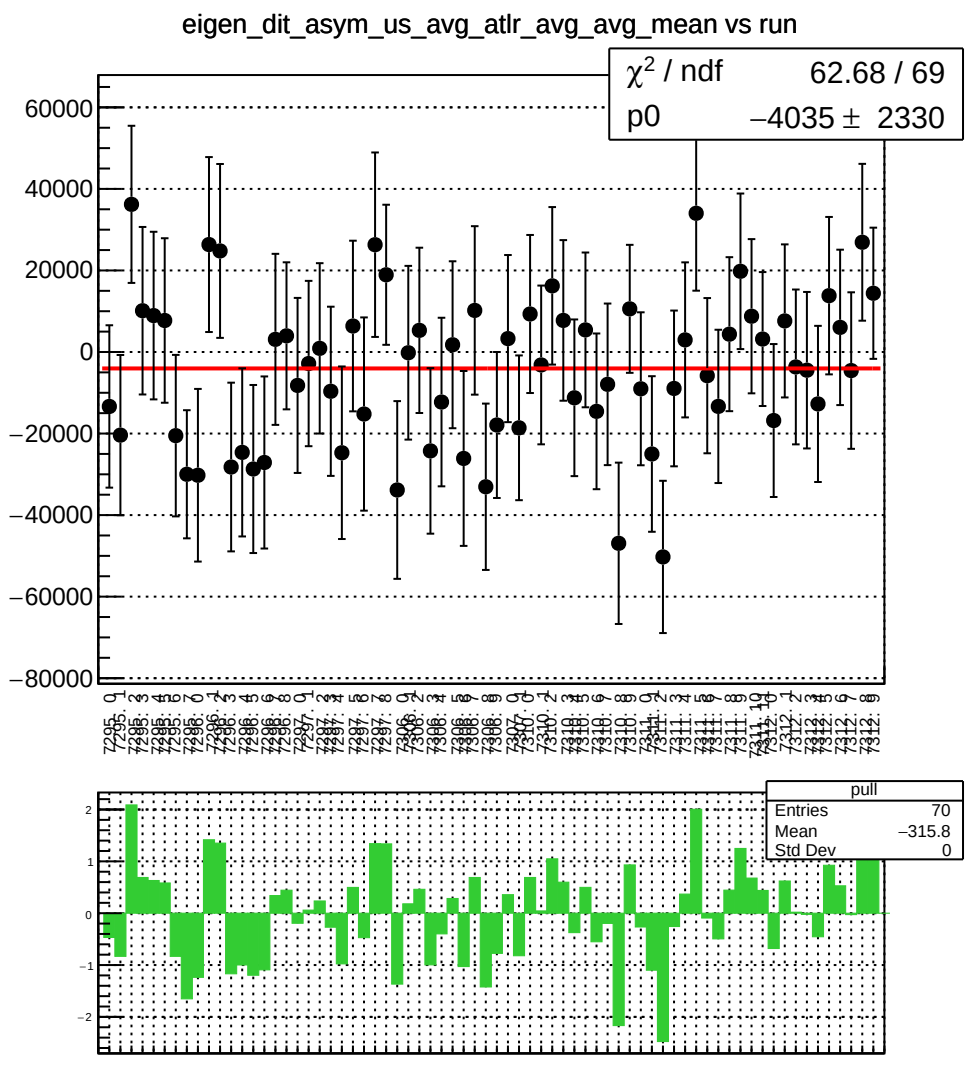

pull1D
Entries 70
Mean −0.007573
Std Dev 0.9462

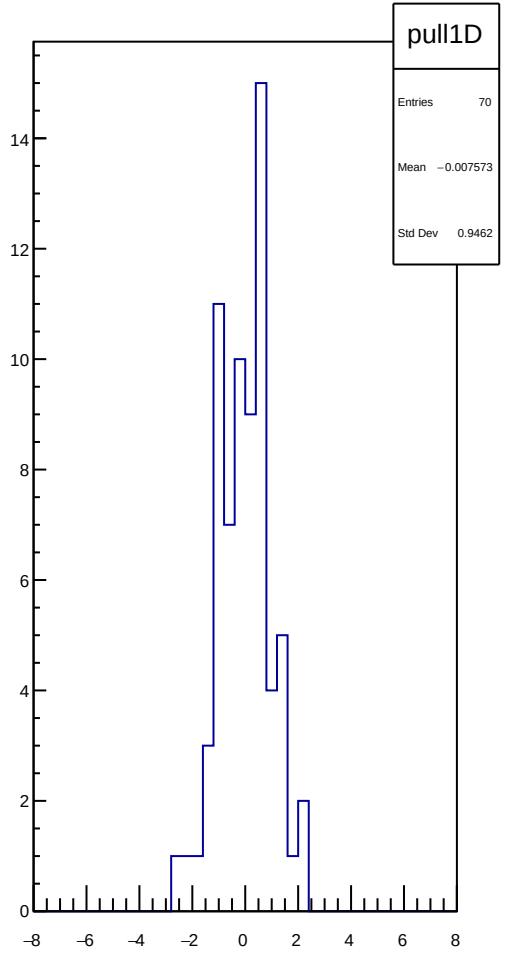

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3146 / 69
p0 1890 ± 1.648
2300
2200
2100
2000
1900
1800

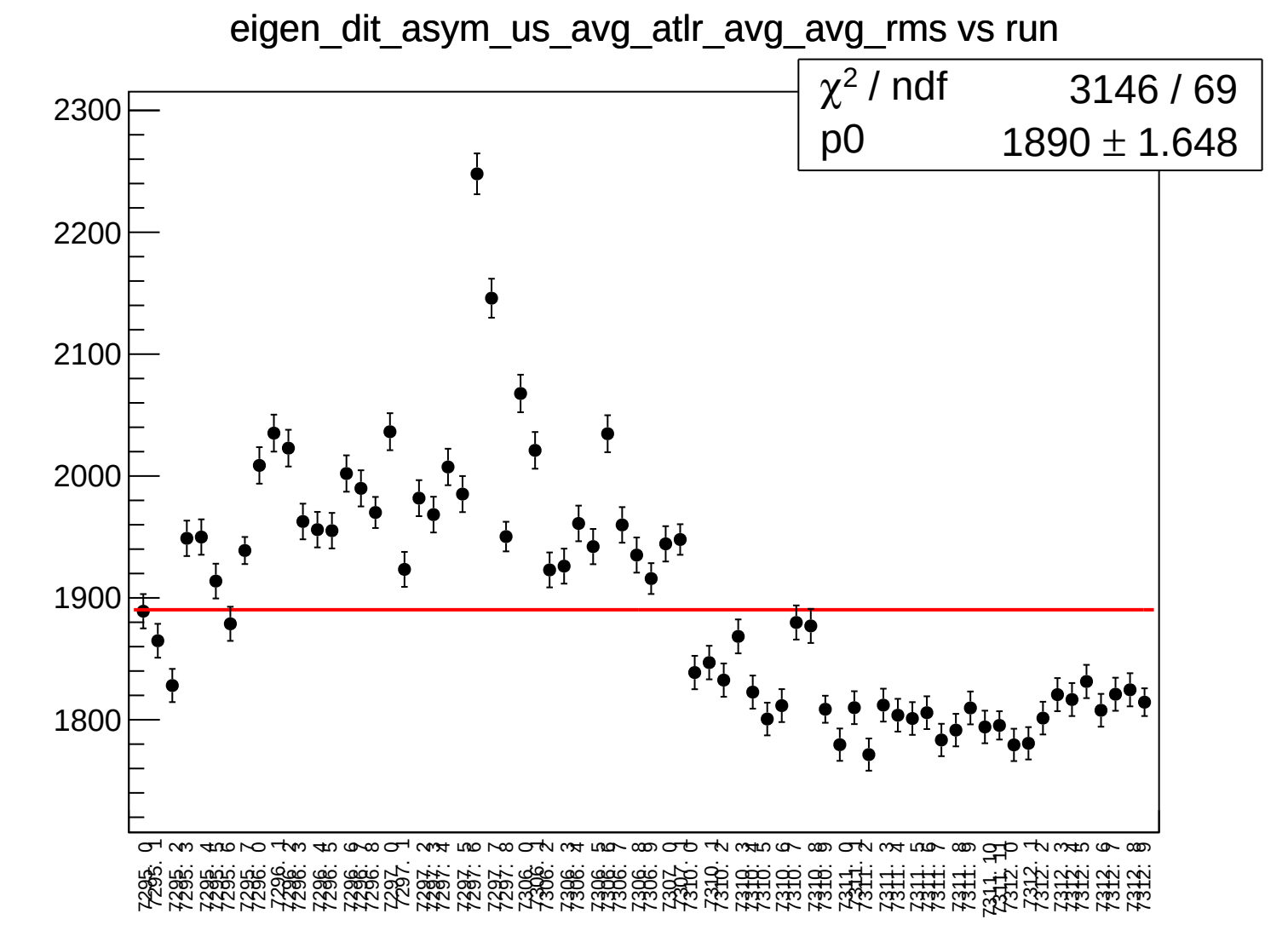

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 60.94 / 69
p0 −1914 ± 8717
pull
Entries 70
Mean 570
Std Dev 0

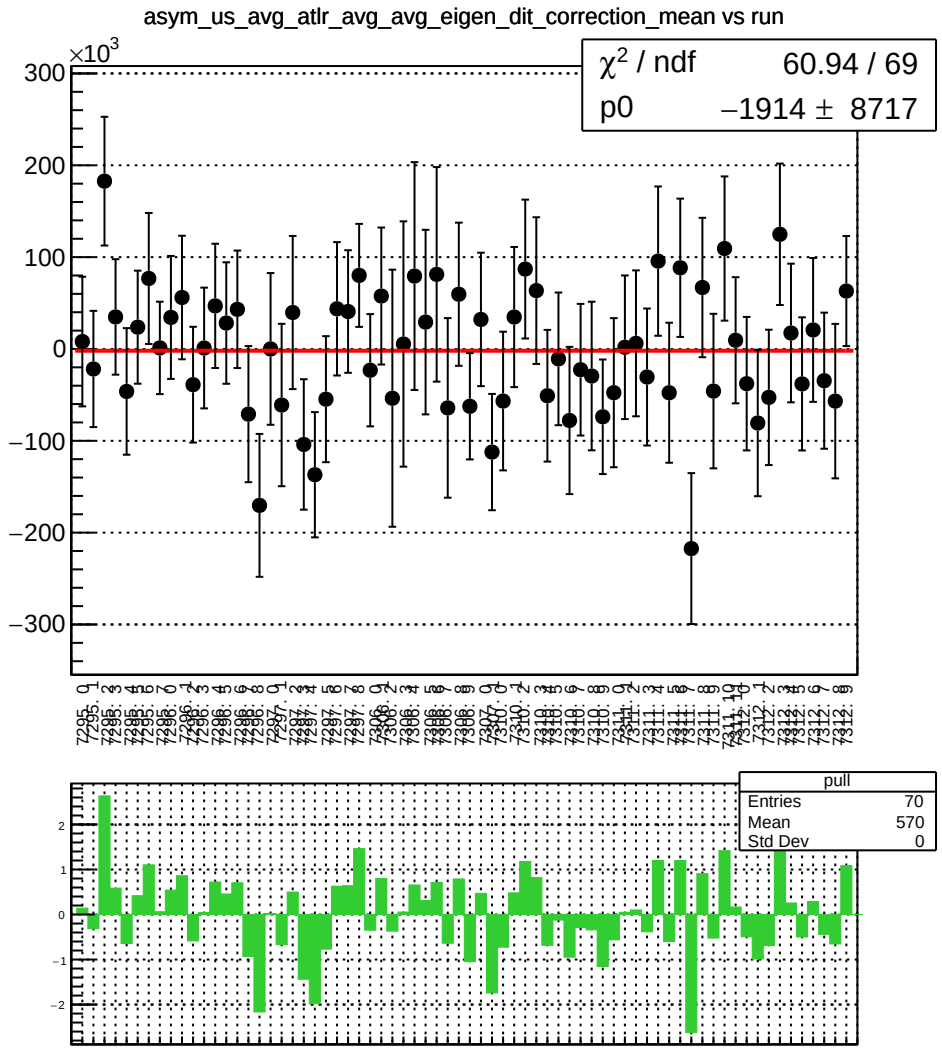

pull1D
Entries 70
Mean −0.003413
Std Dev 0.9331

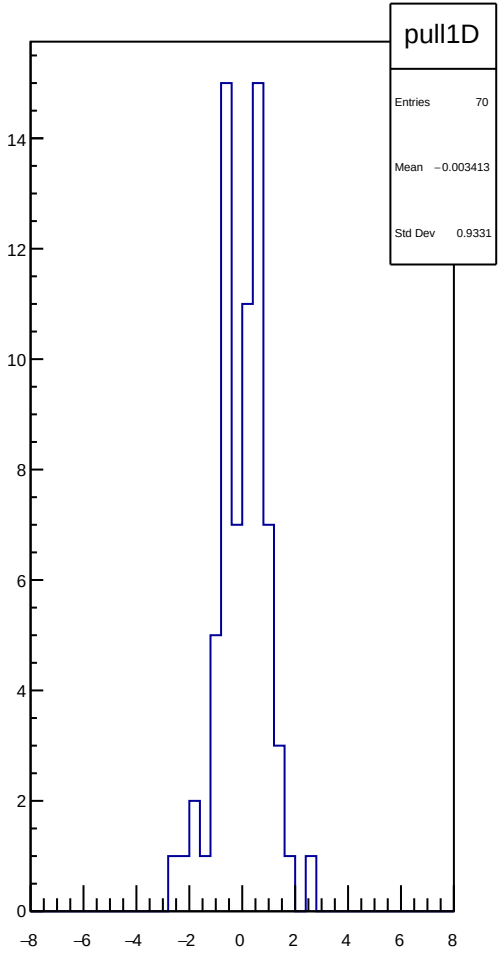

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 7010 ± 6.164
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000

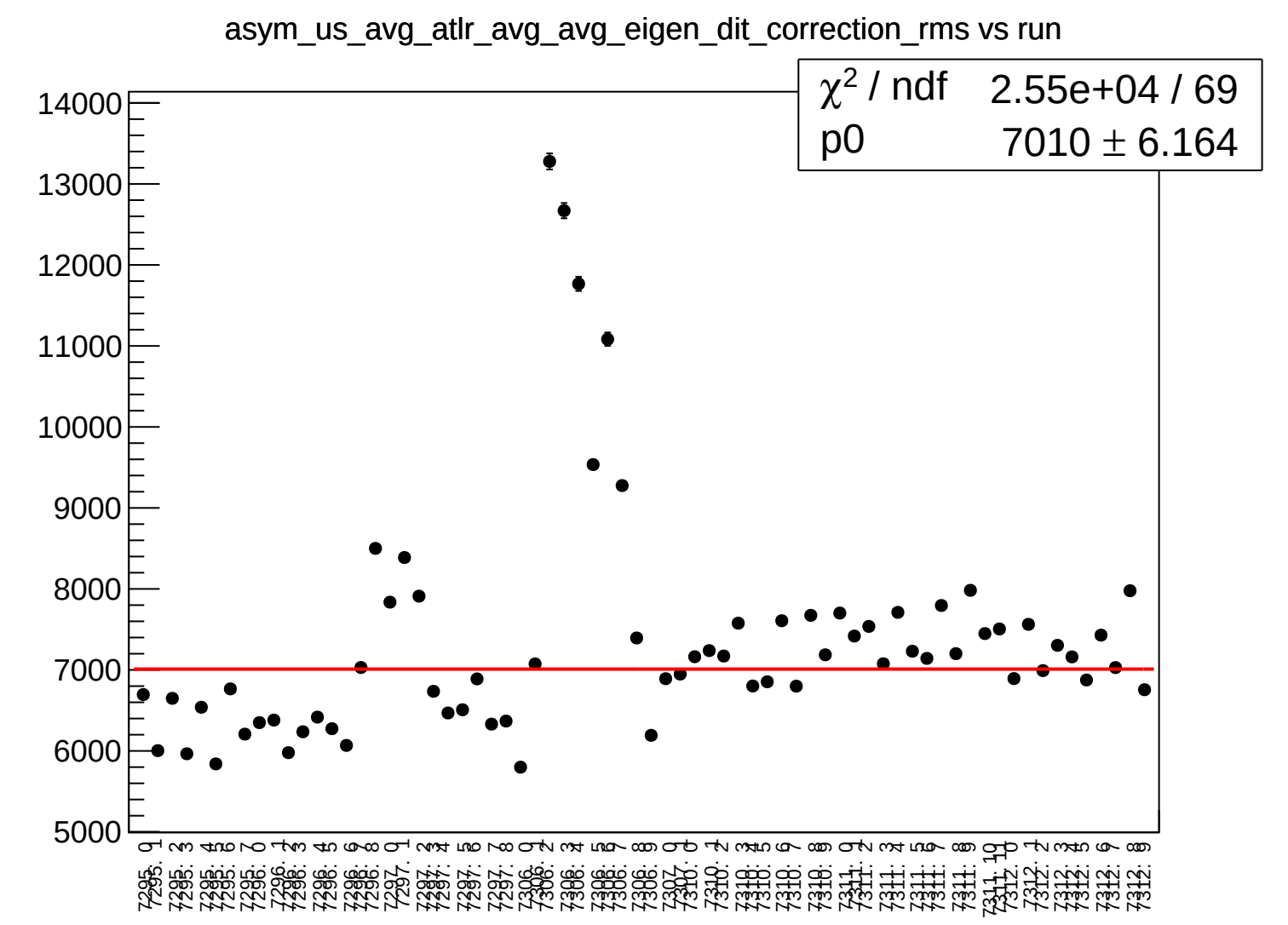

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 62.68 / 69
p0 −4035 ± 2330
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean −315.8
Std Dev 0
2
1
0
−1
−2

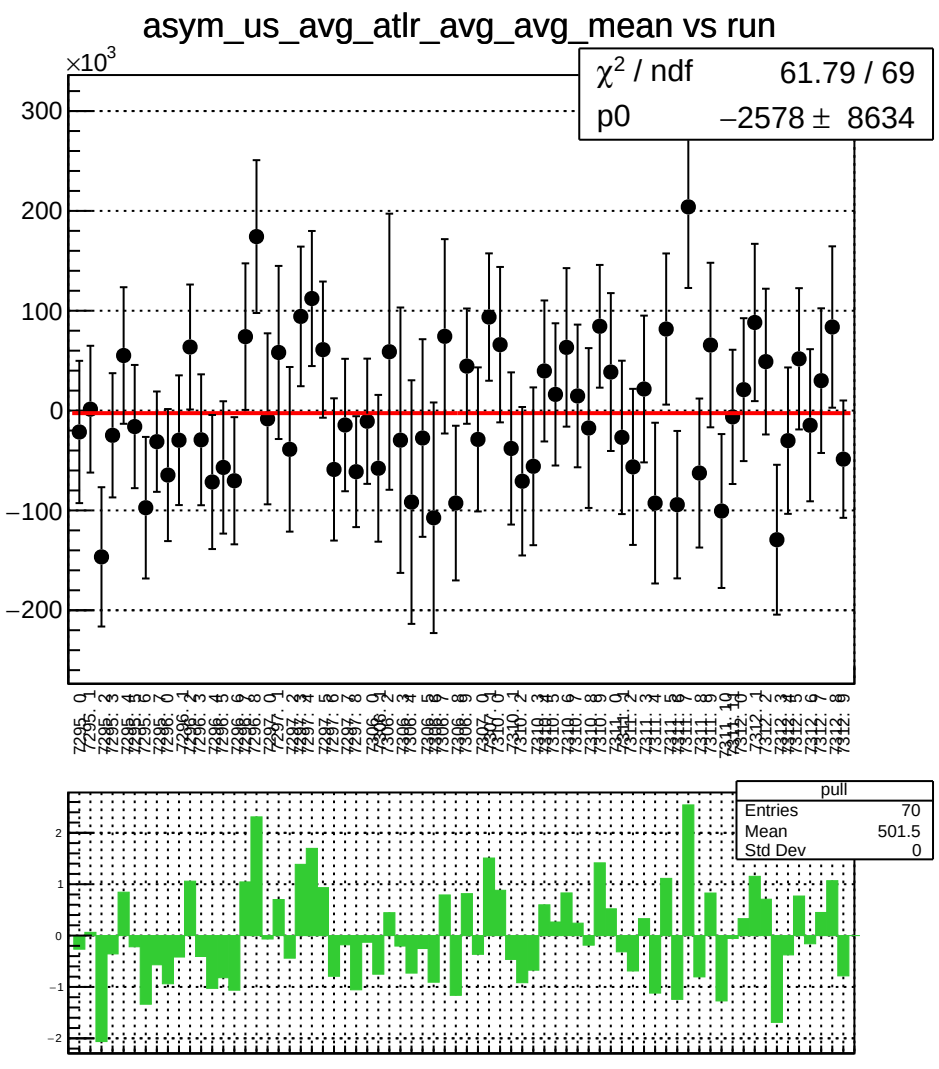

pull1D
Entries 70
Mean −0.007573
Std Dev 0.9462
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

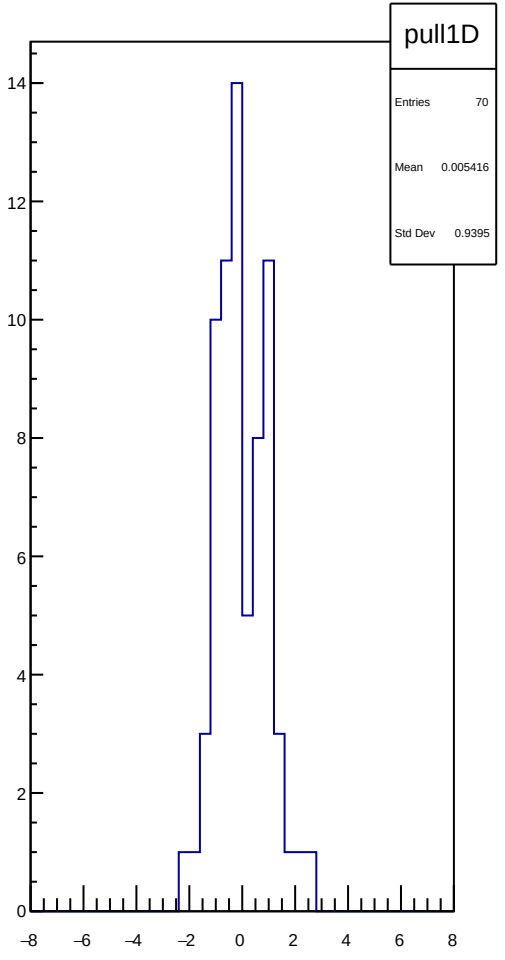

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3146 / 69
p0 1890 ± 1.648
2300
2200
2100
2000
1900
1800

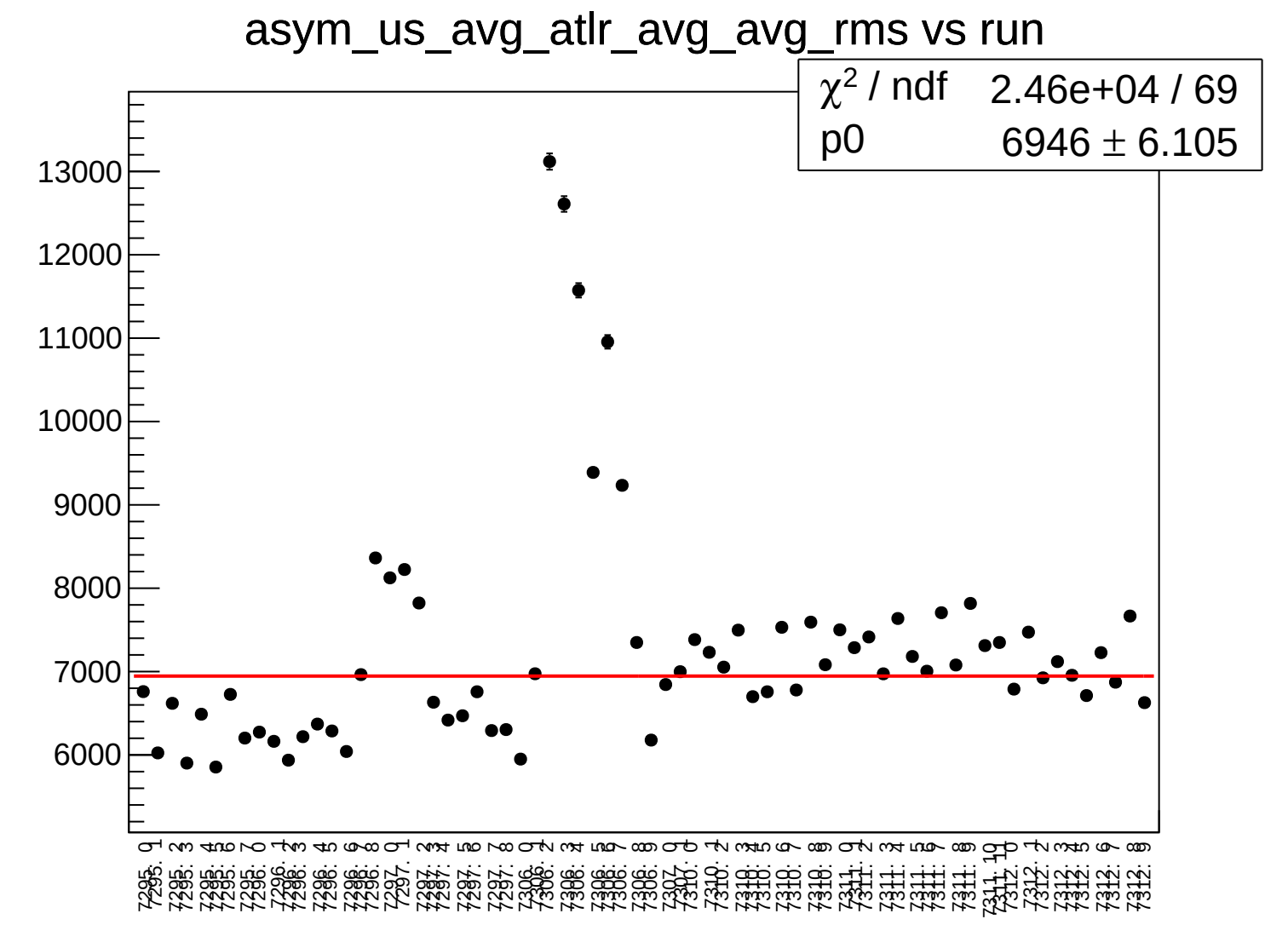

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.94 / 69
p0 −1914 ± 8717
pull
Entries 70
Mean 570
Std Dev 0

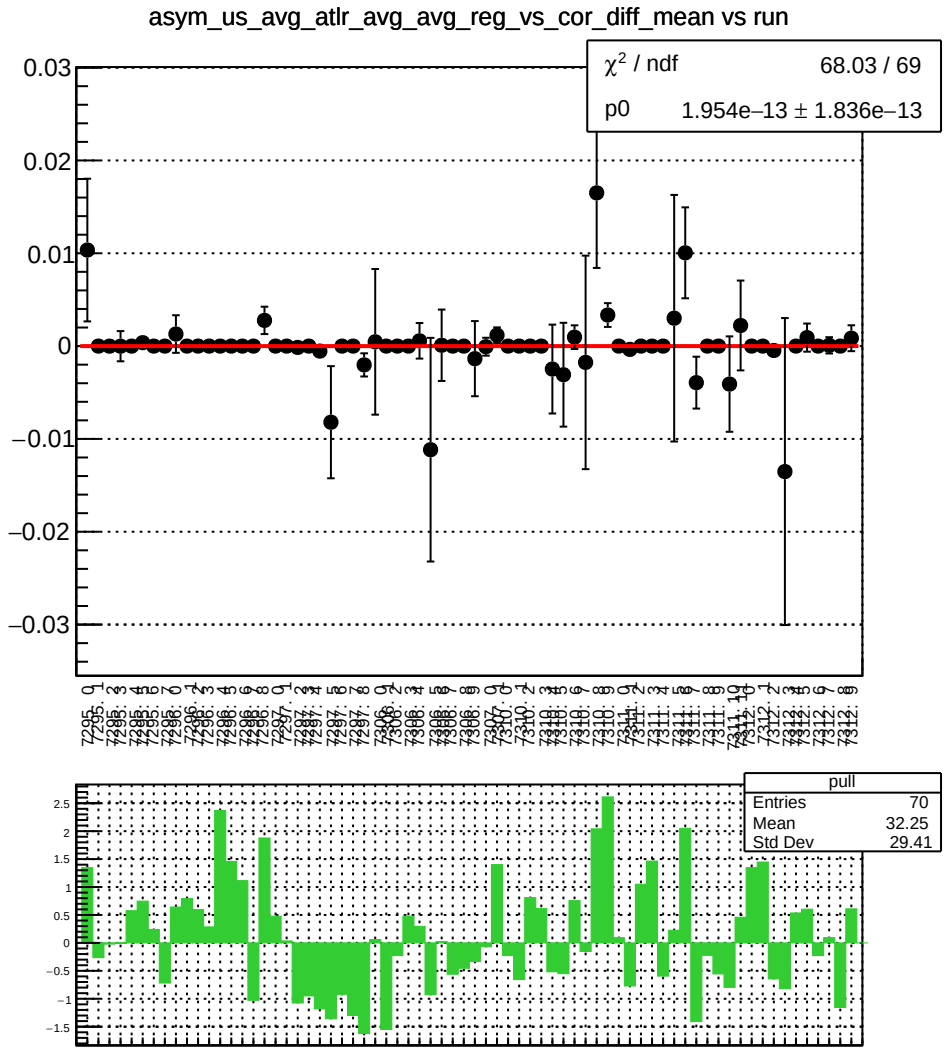

pull1D
Entries 70
Mean −0.003413
Std Dev 0.9331

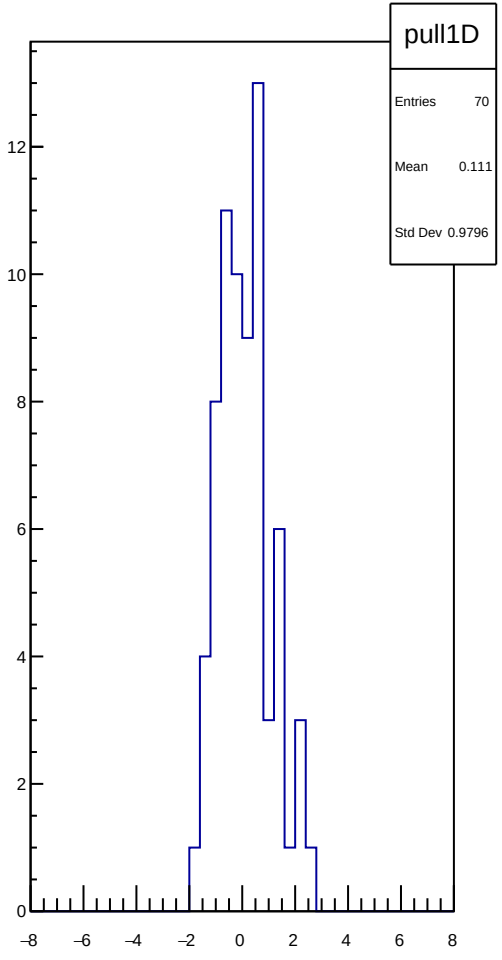

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 7010 ± 6.164
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000

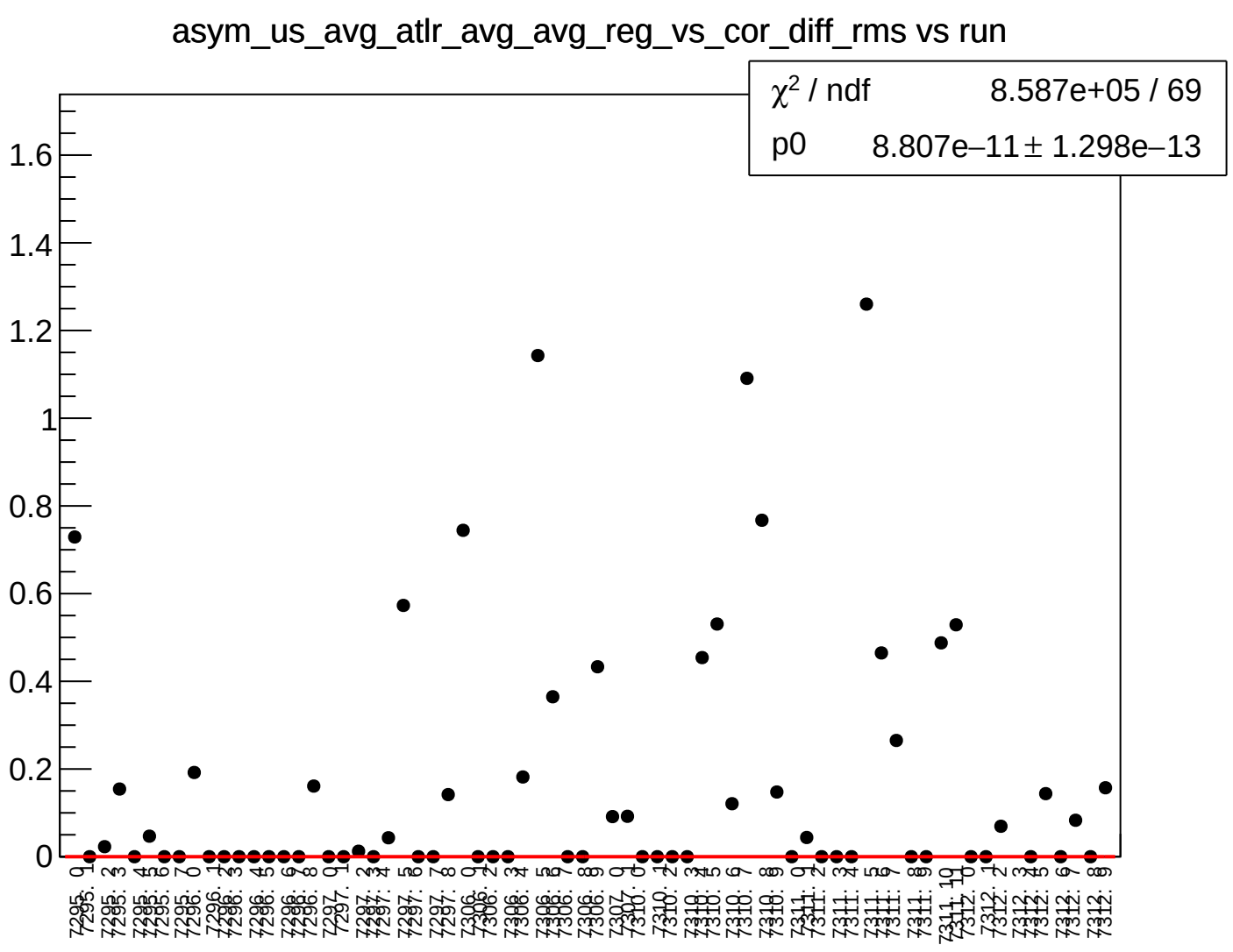

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 61.79 / 69
p0 −2578 ± 8634
300
200
100
0
−100
−200
pull
Entries 70
Mean 501.5
Std Dev 0
2
1
0
−1
−2

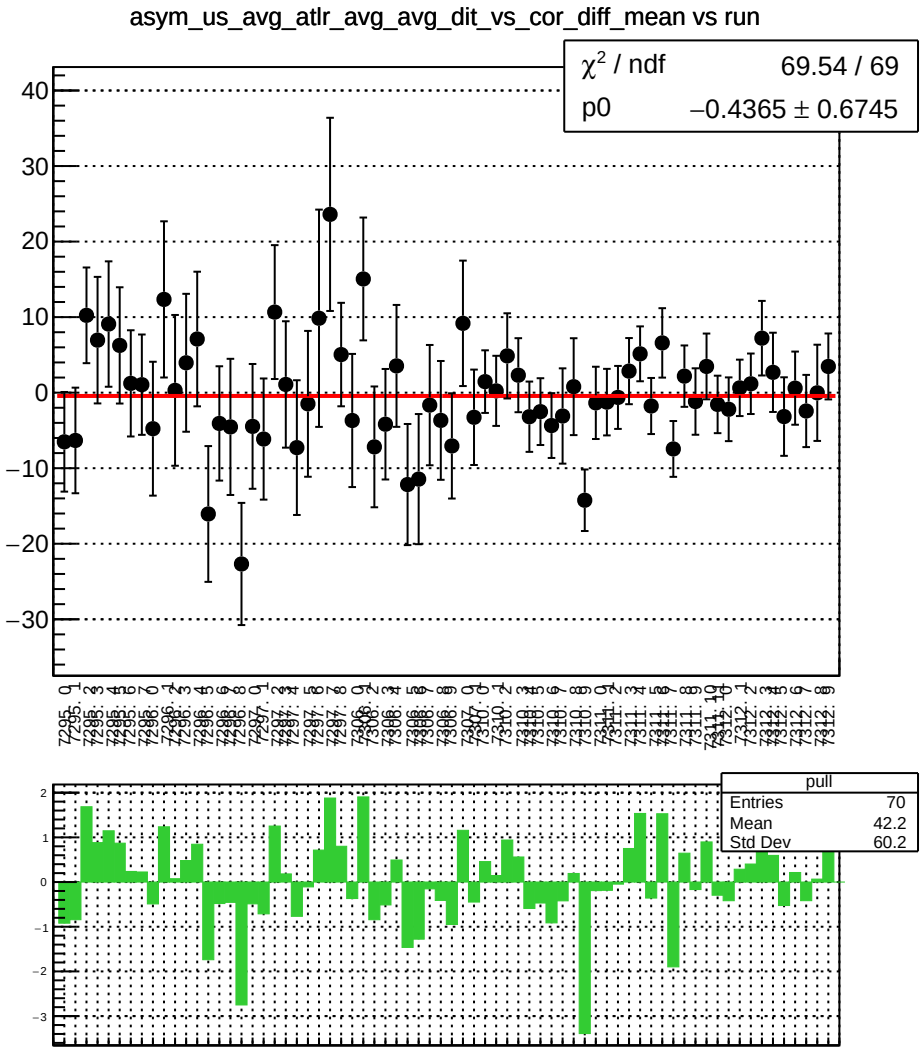

pull1D
Entries 70
Mean 0.005416
Std Dev 0.9395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

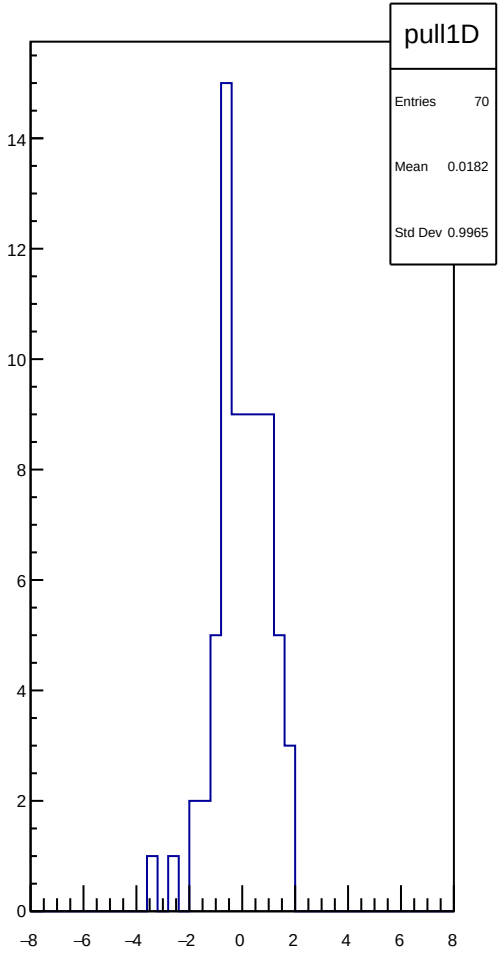

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2.46e+04 / 69
p0 6946 ± 6.105
13000
12000
11000
10000
9000
8000
7000
6000

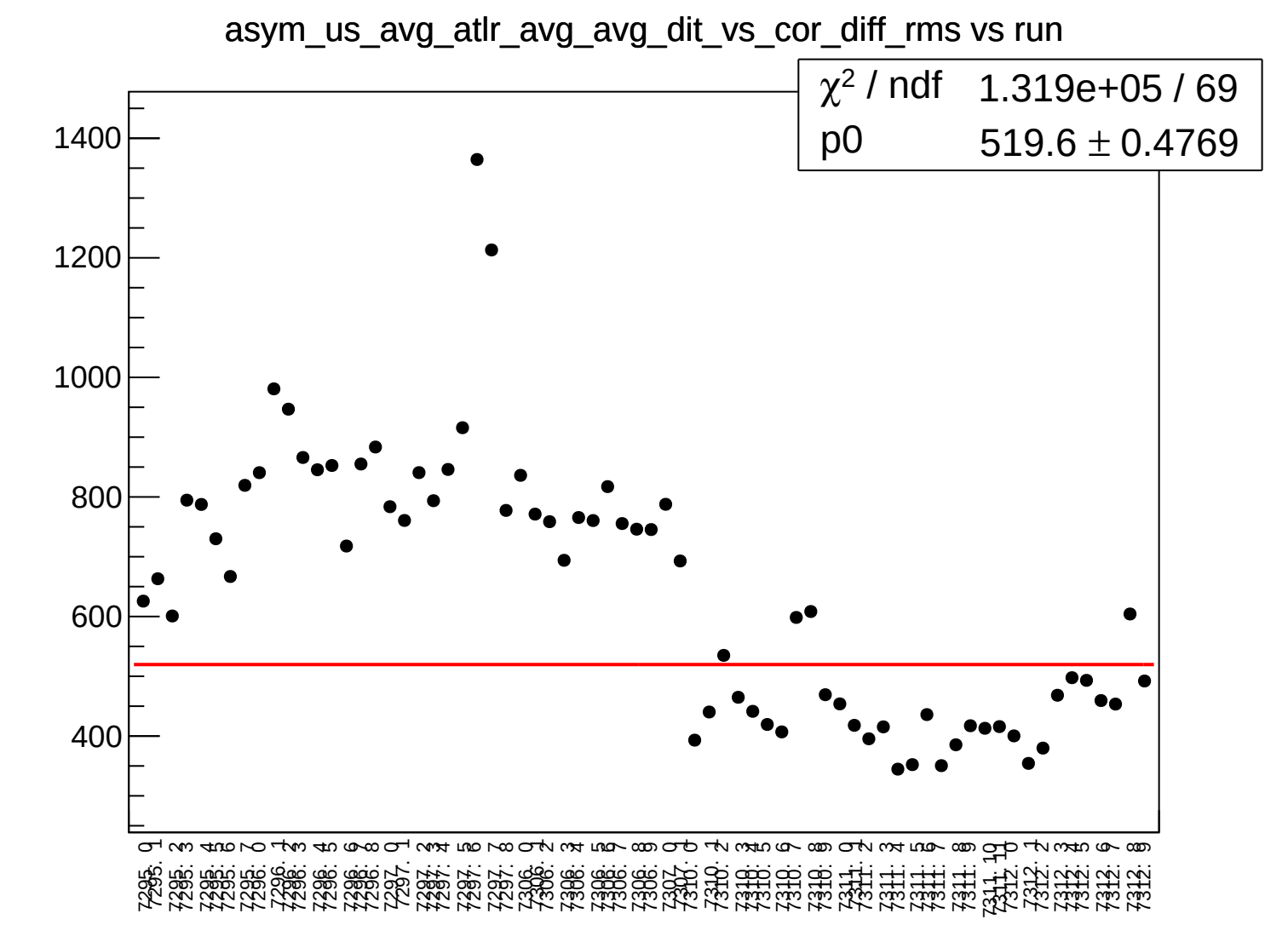

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.03 / 69
p0 1.954e−13 ± 1.836e−13
pull
Entries 70
Mean 32.25
Std Dev 29.41

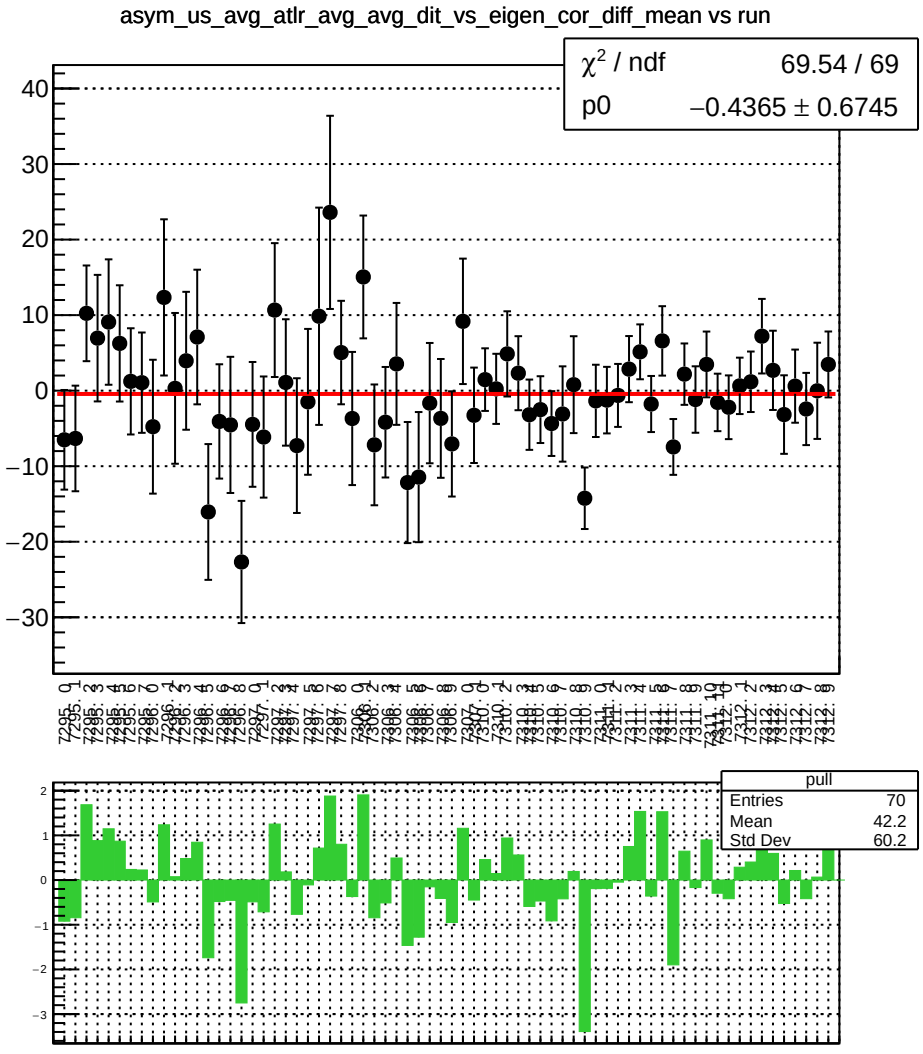

pull1D
Entries 70
Mean 0.111
Std Dev 0.9796

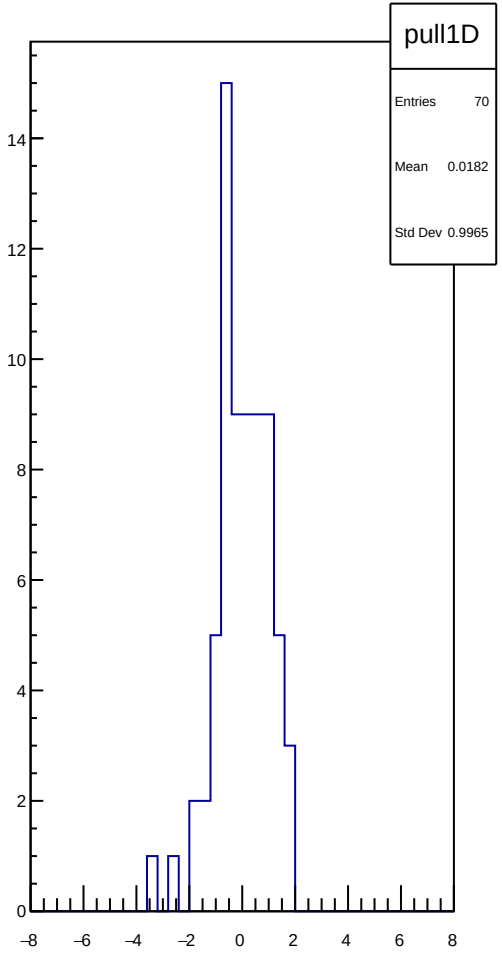

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.587e+05 / 69
p0 8.807e−11 ± 1.298e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

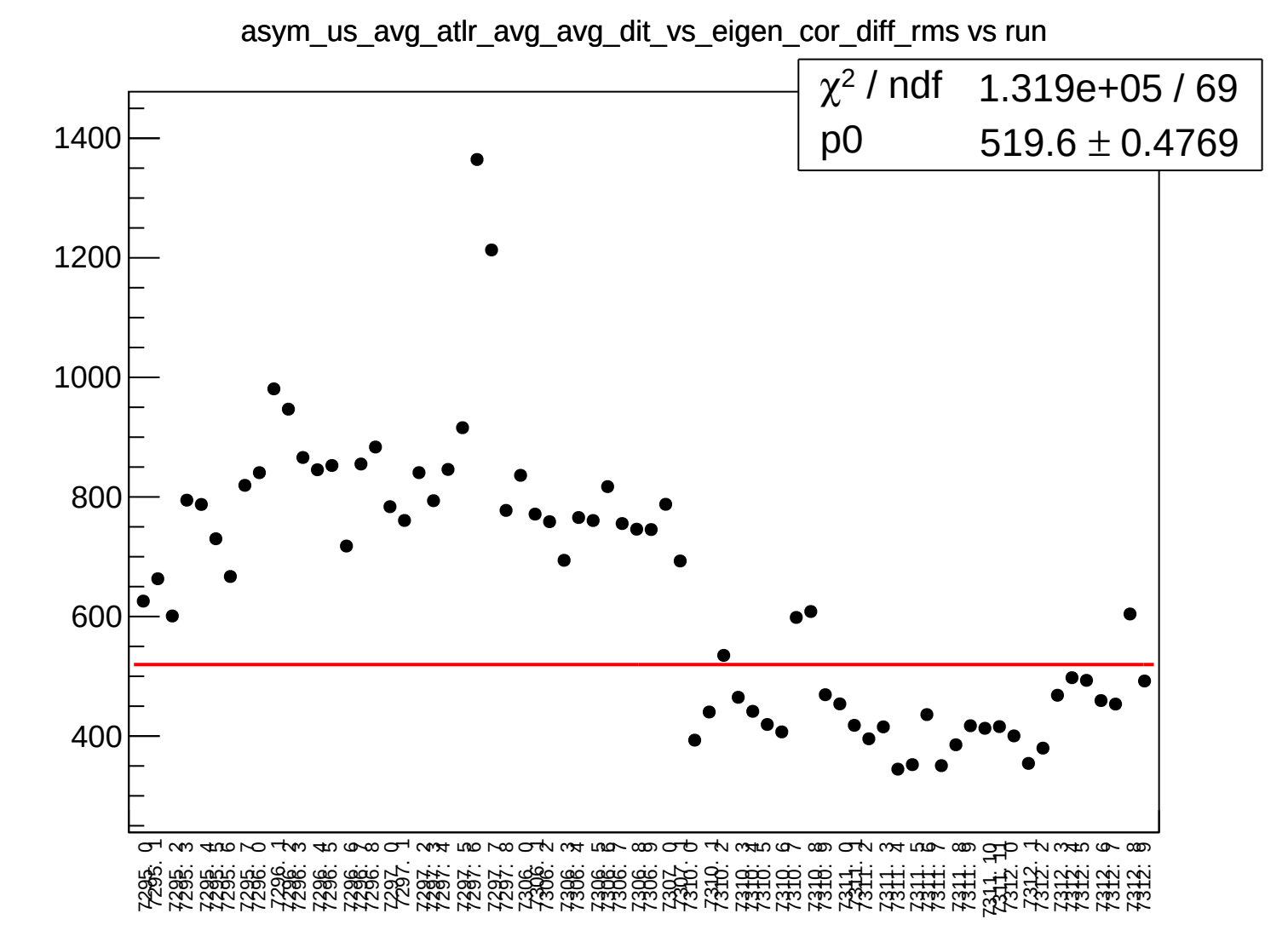

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.54 / 69
p0 −0.4365 ± 0.6745
pull
Entries 70
Mean 42.2
Std Dev 60.2

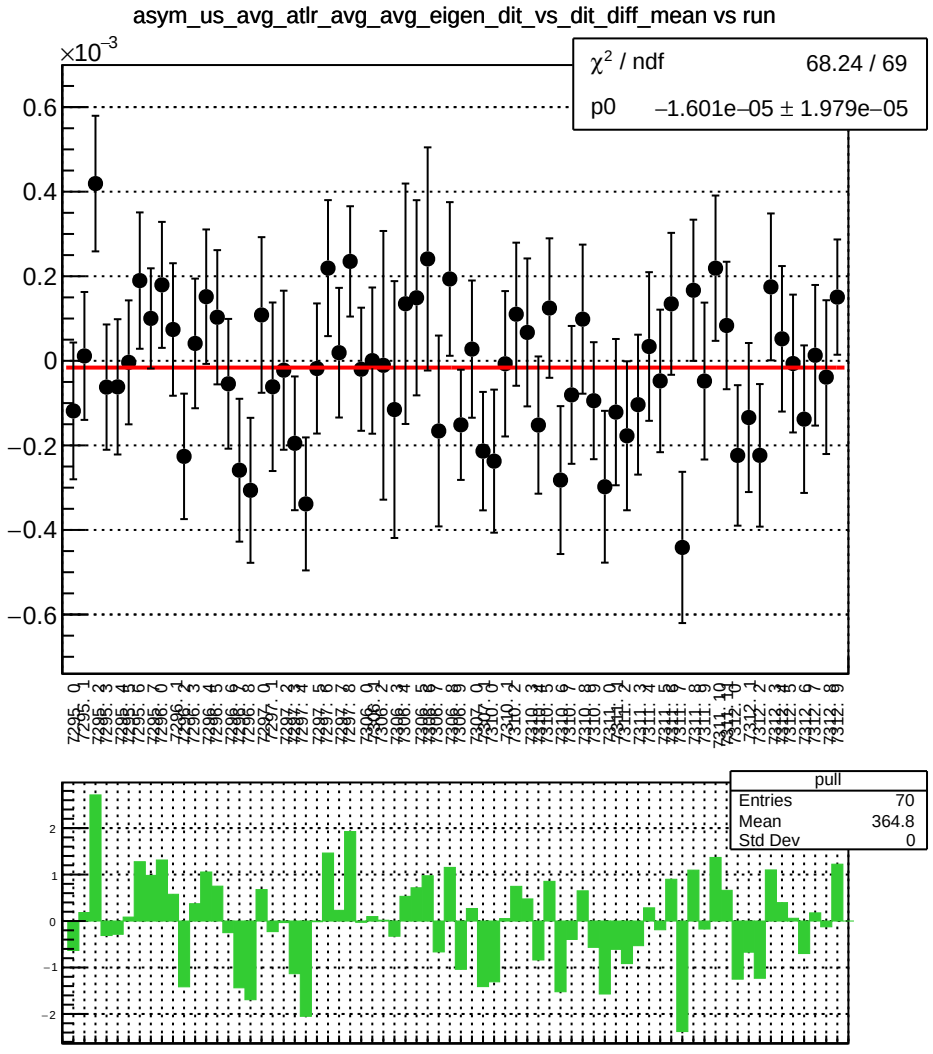

pull1D
Entries 70
Mean 0.0182
Std Dev 0.9965

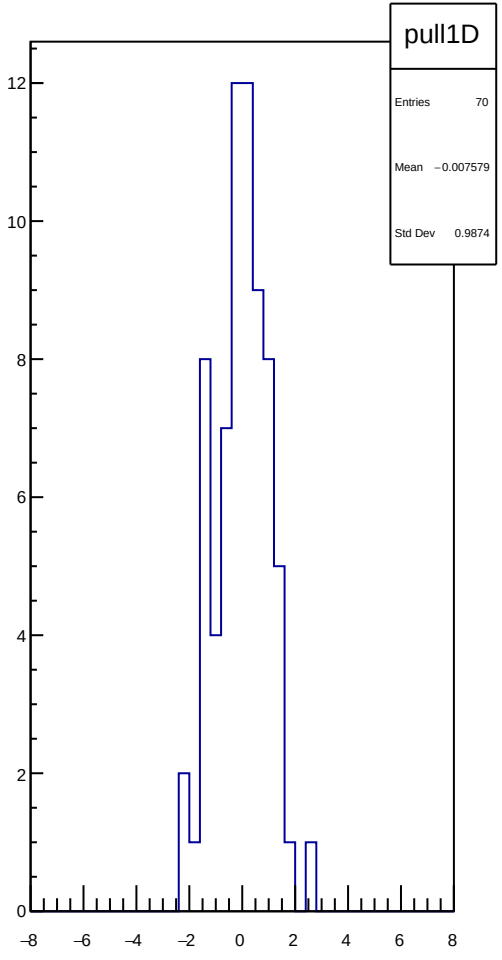

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+05 / 69
p0 519.6 ± 0.4769
1400
1200
1000
800
600
400

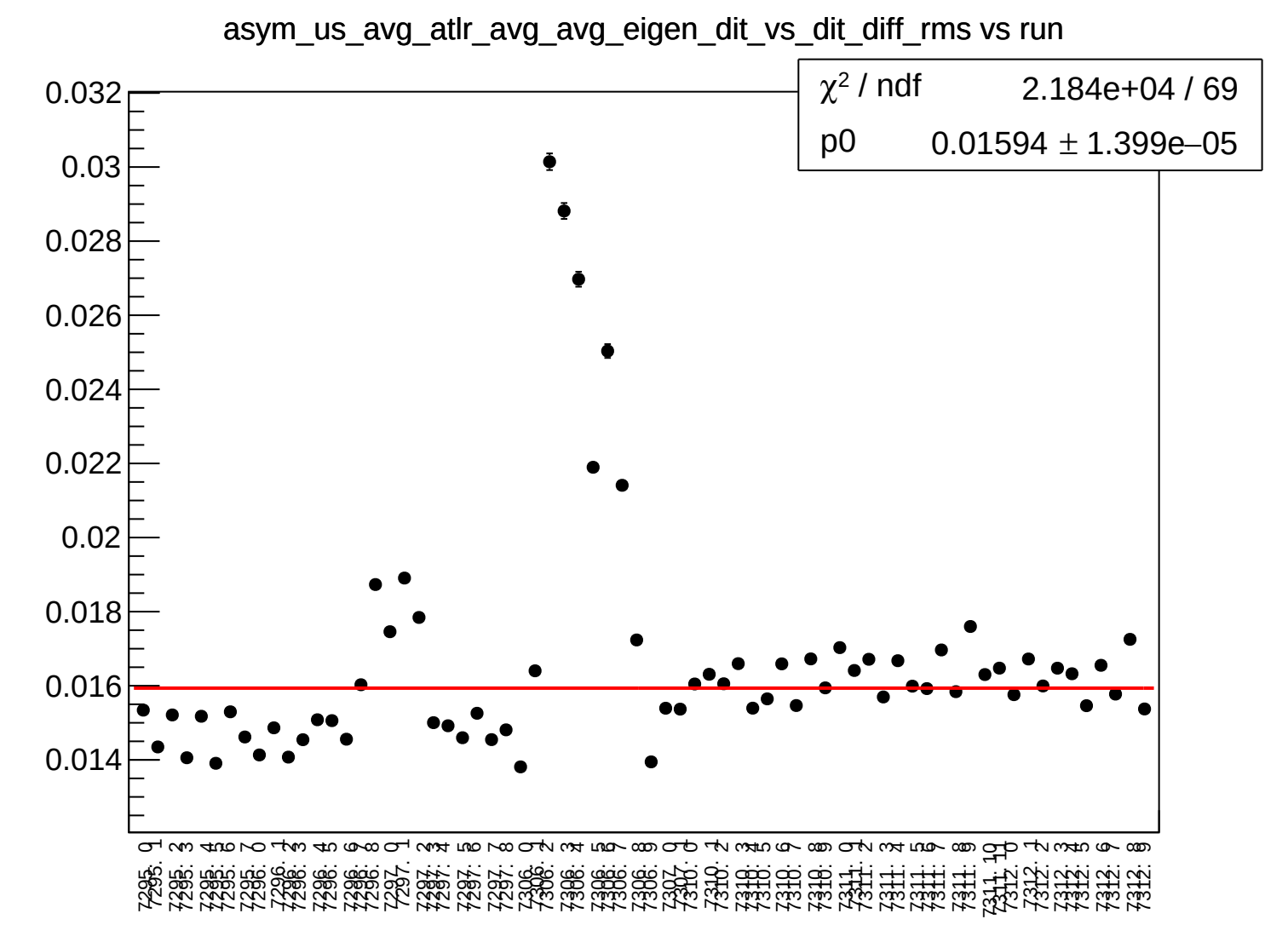

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.54 / 69
p0 −0.4365 ± 0.6745
pull
Entries 70
Mean 42.2
Std Dev 60.2

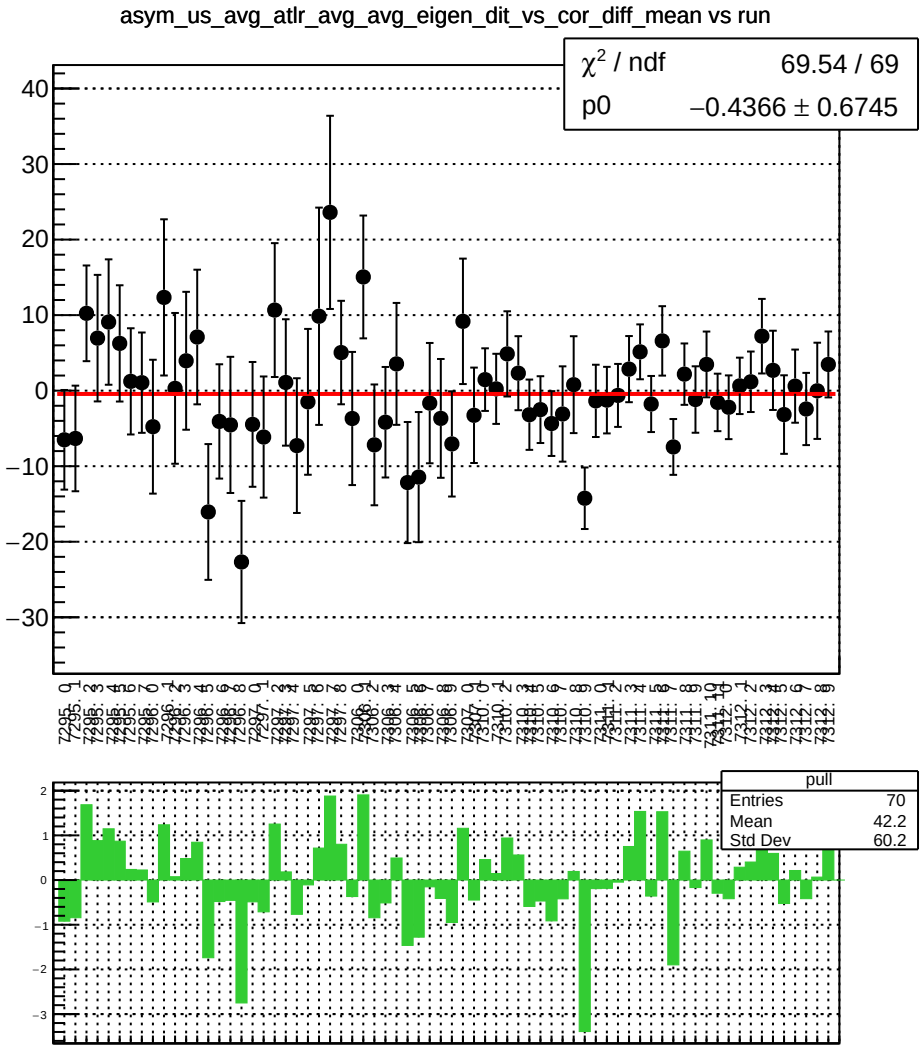

pull1D
Entries 70
Mean 0.0182
Std Dev 0.9965

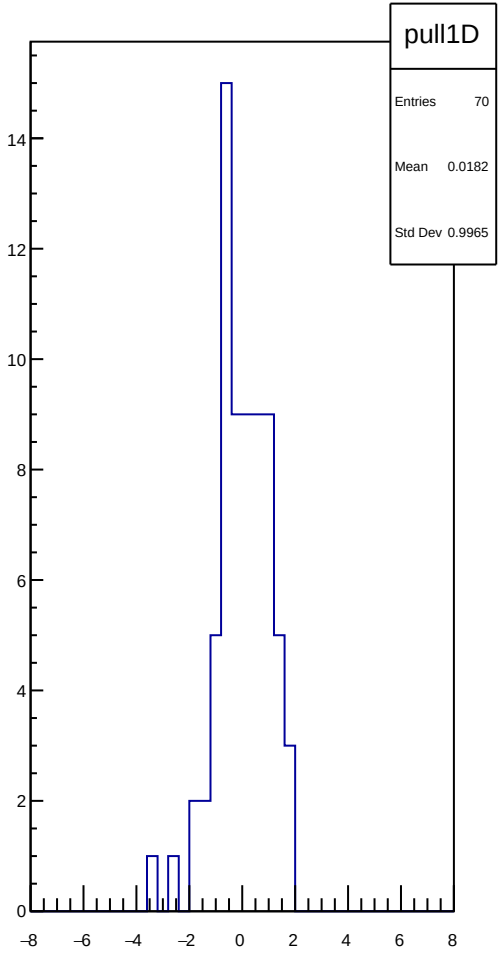

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+05 / 69
p0 519.6 ± 0.4769
1400
1200
1000
800
600
400

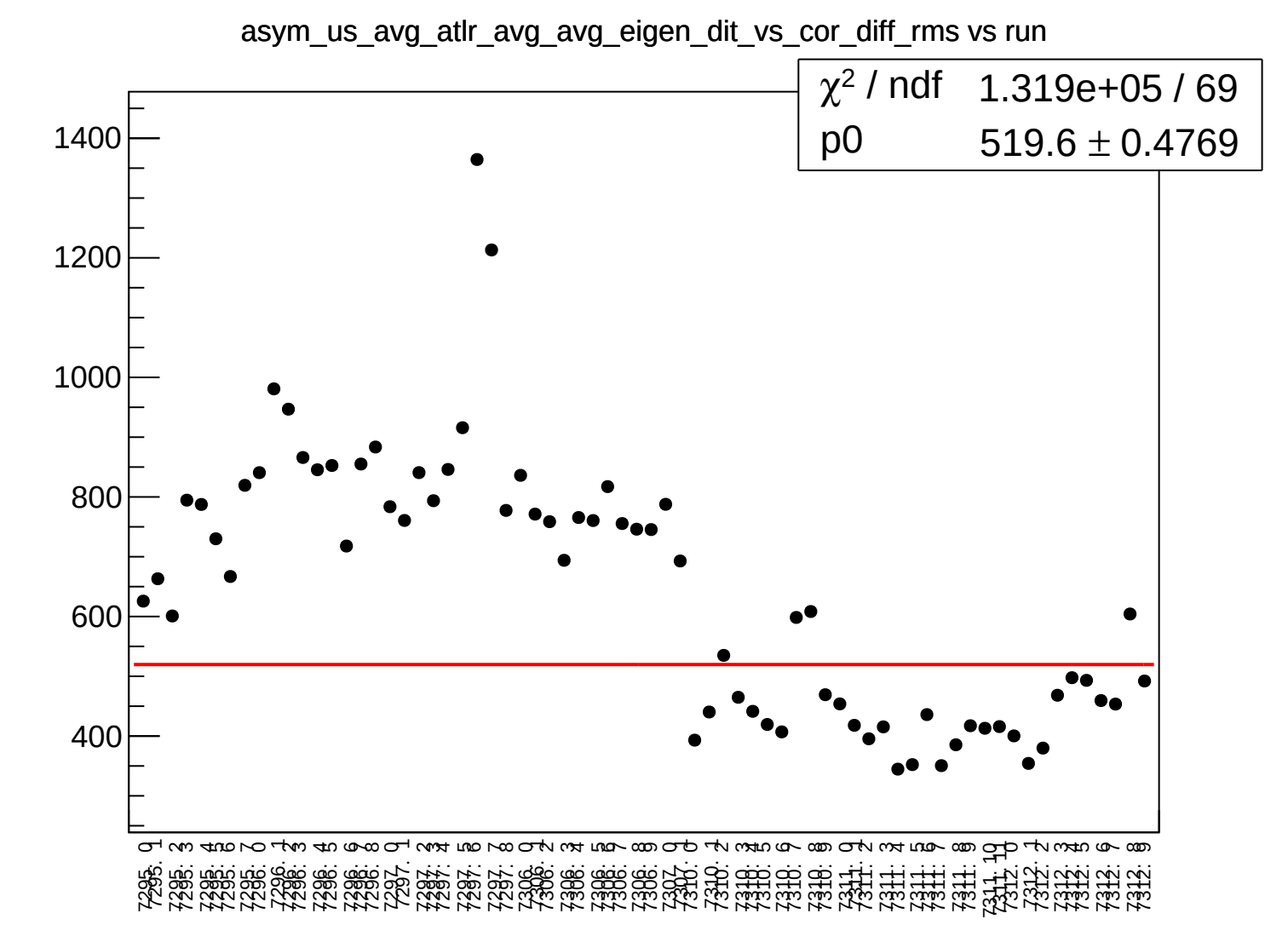

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.24 / 69
p0 −1.601e−05 ± 1.979e−05
pull
Entries 70
Mean 364.8
Std Dev 0


pull1D
Entries 70
Mean −0.007579
Std Dev 0.9874

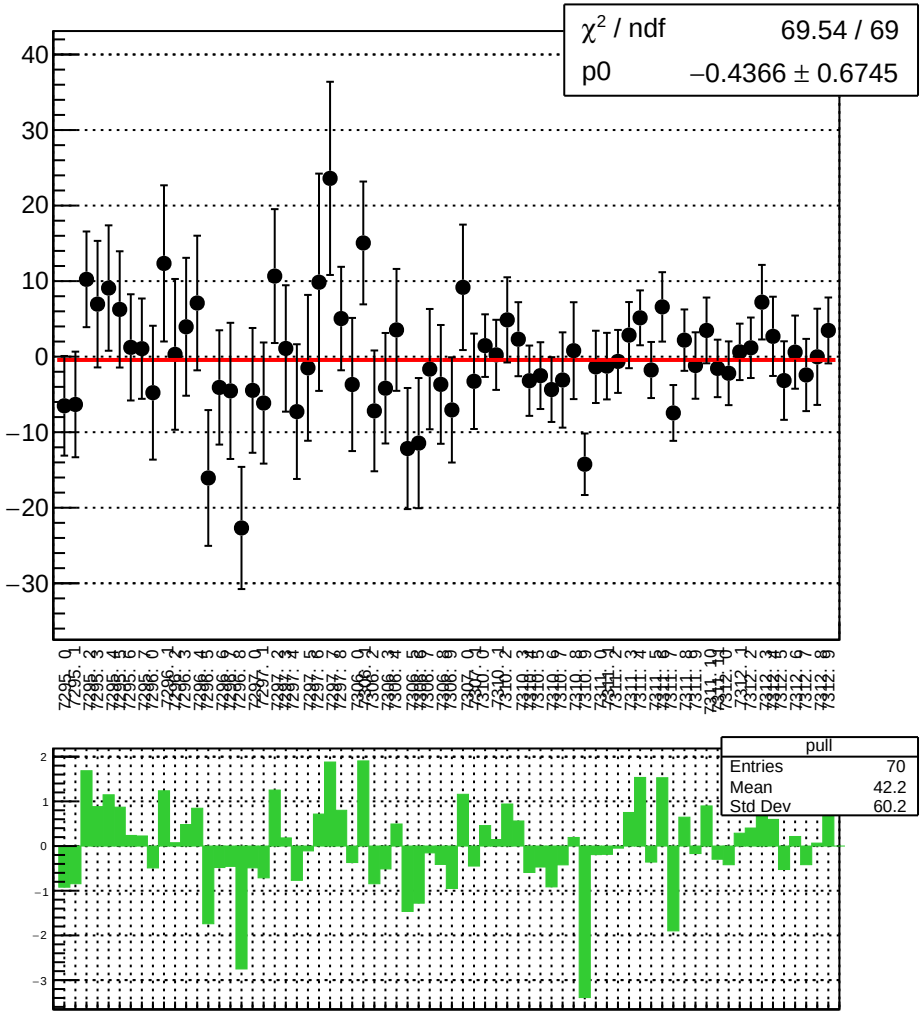

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.184e+04 / 69
p0 0.01594 ± 1.399e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

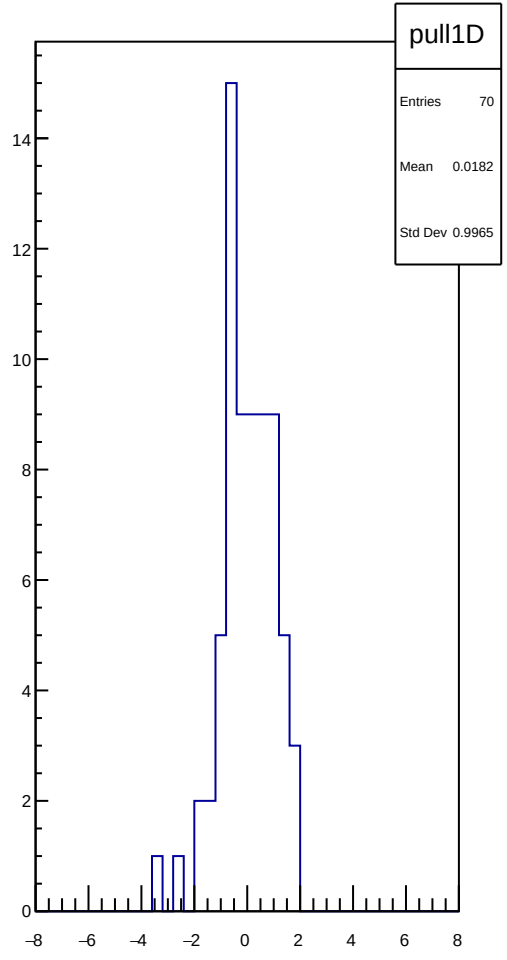

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ^2 / ndf 69.54 / 69
p0 −0.4366 ± 0.6745
pull
Entries 70
Mean 42.2
Std Dev 60.2

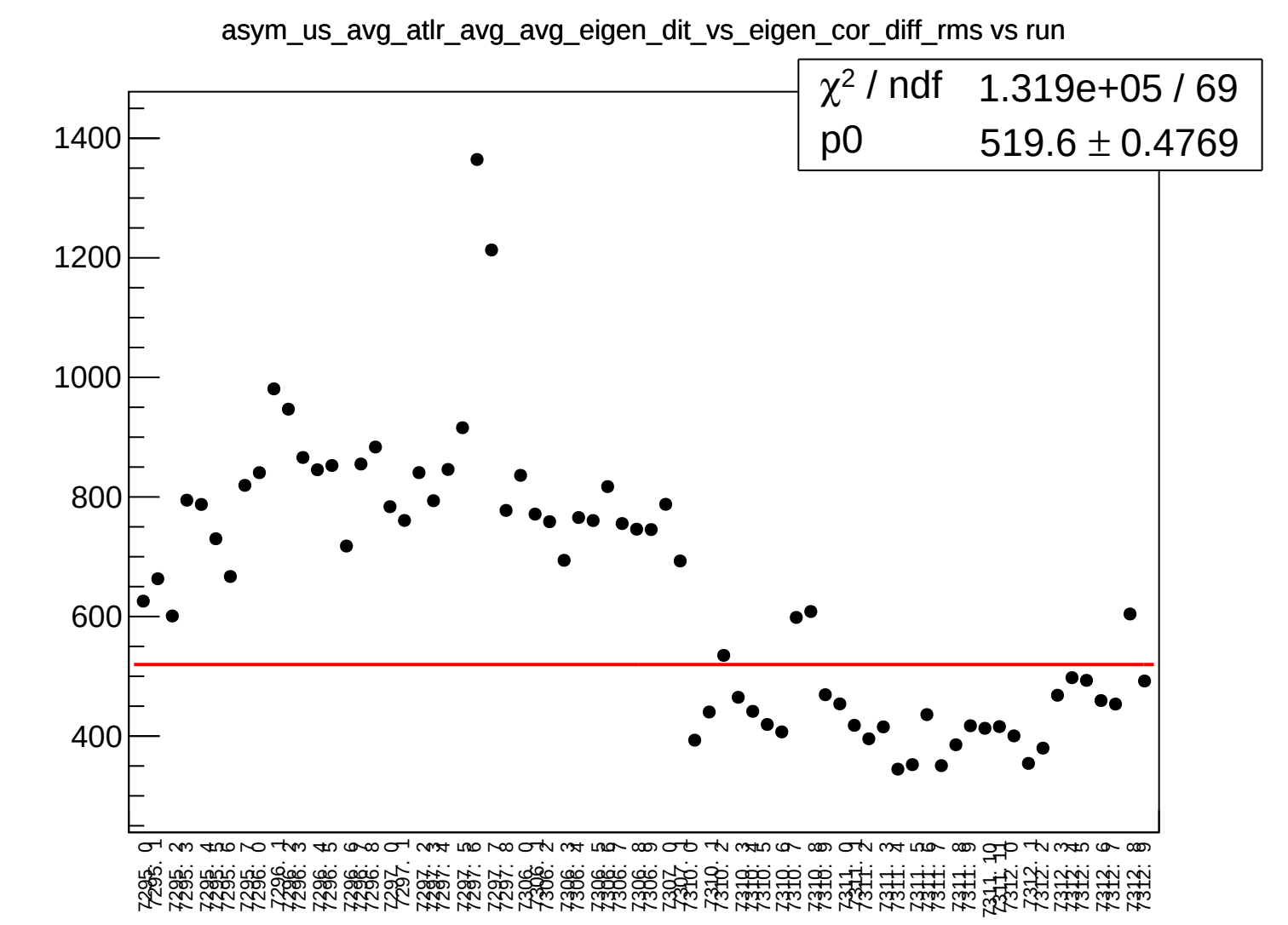

pull1D
Entries 70
Mean 0.0182
Std Dev 0.9965

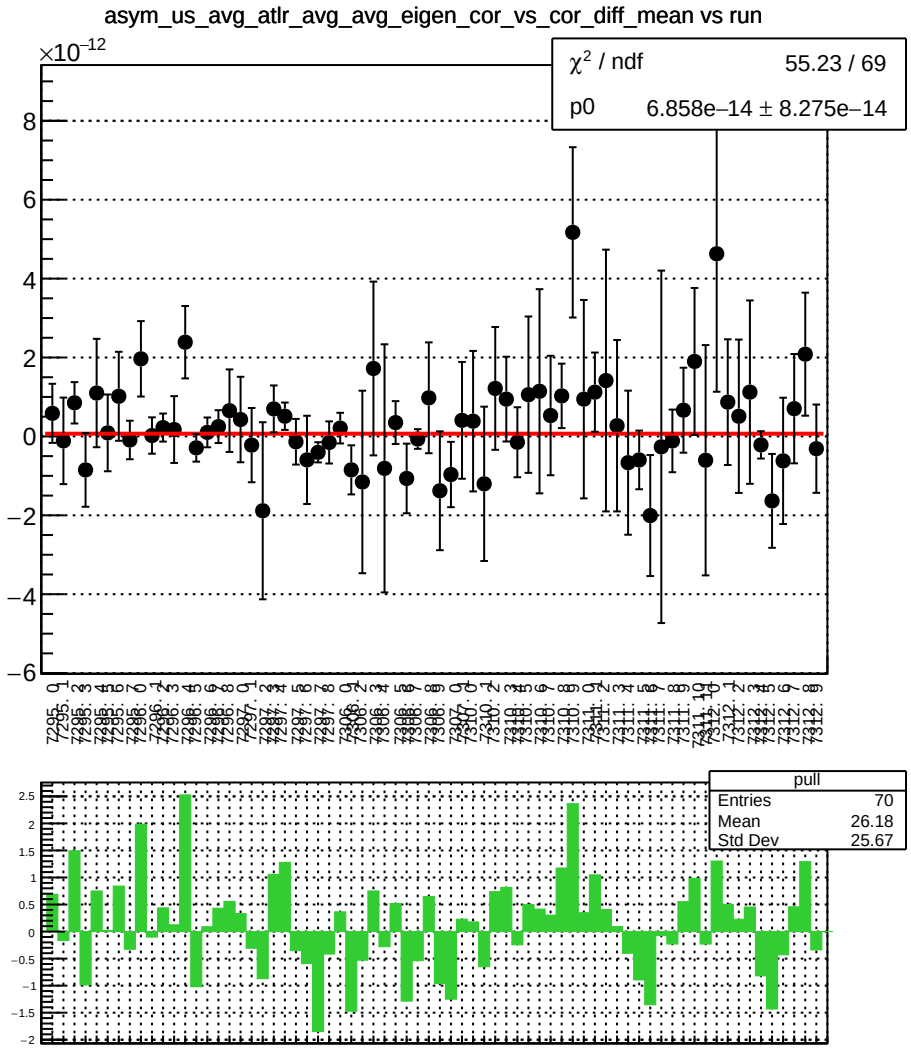

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+05 / 69
p0 519.6 ± 0.4769
1400
1200
1000
800
600
400

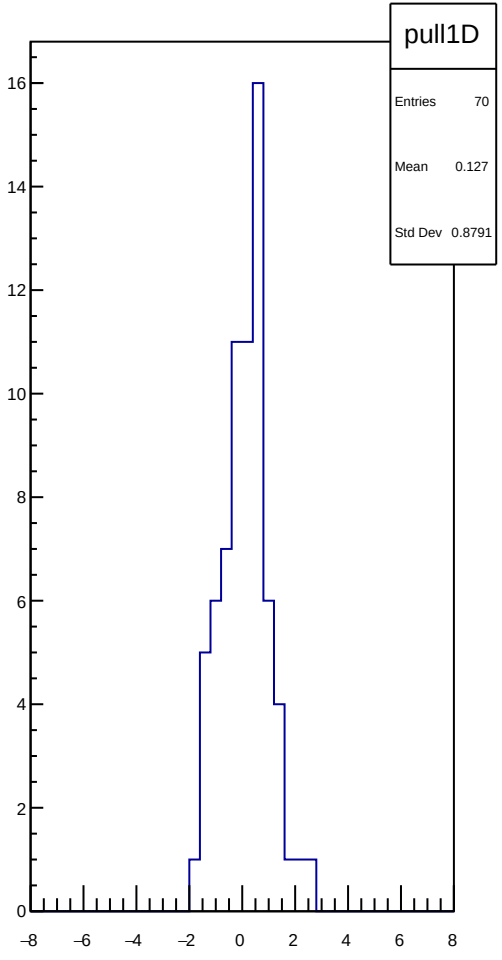
asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

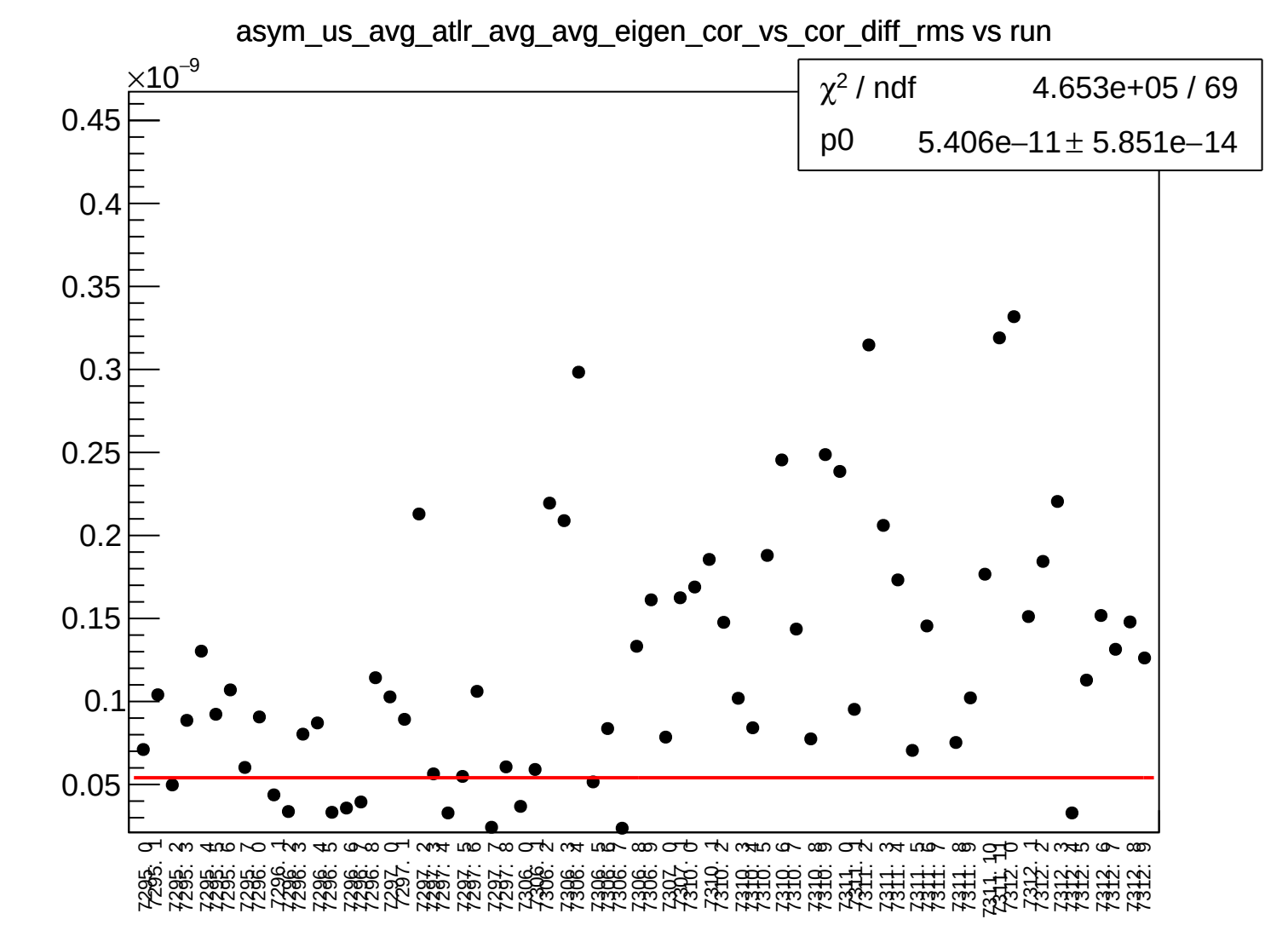


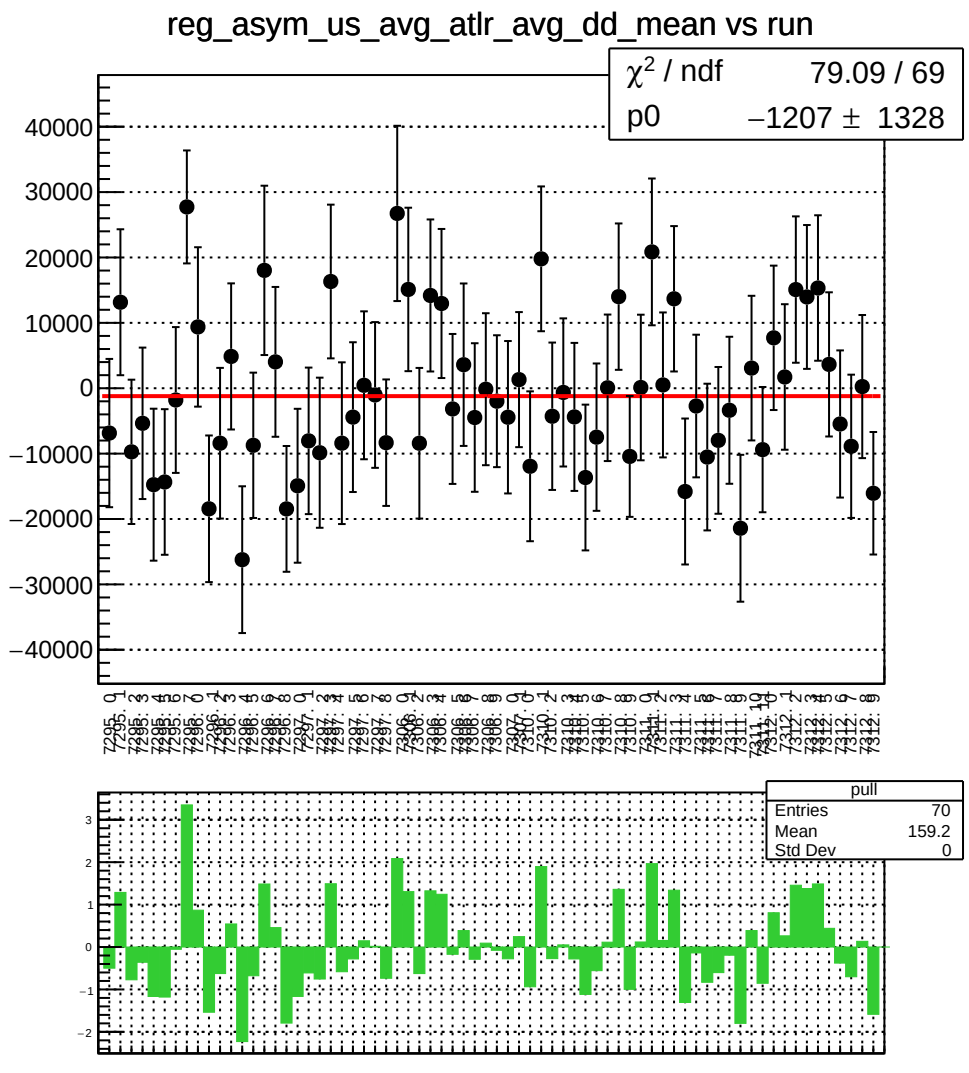


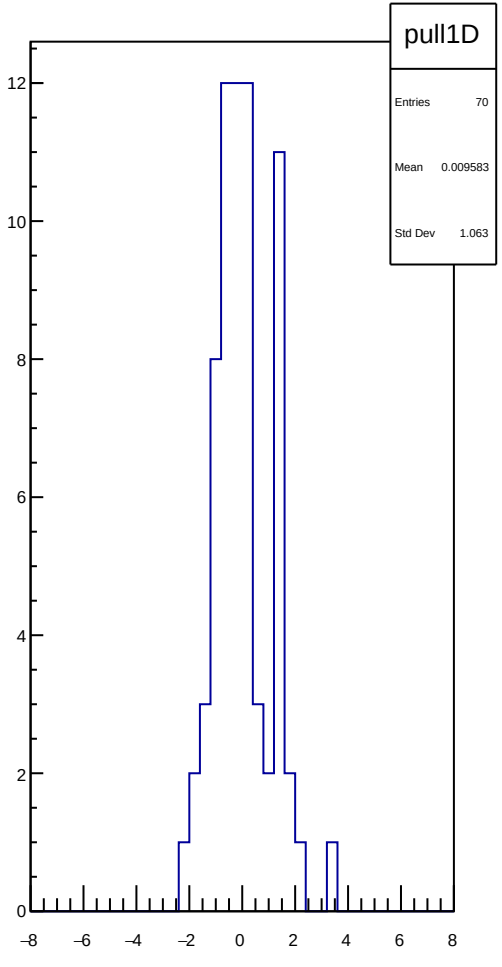

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+05 / 69
p0 519.6 ± 0.4769
1400
1200
1000
800
600
400

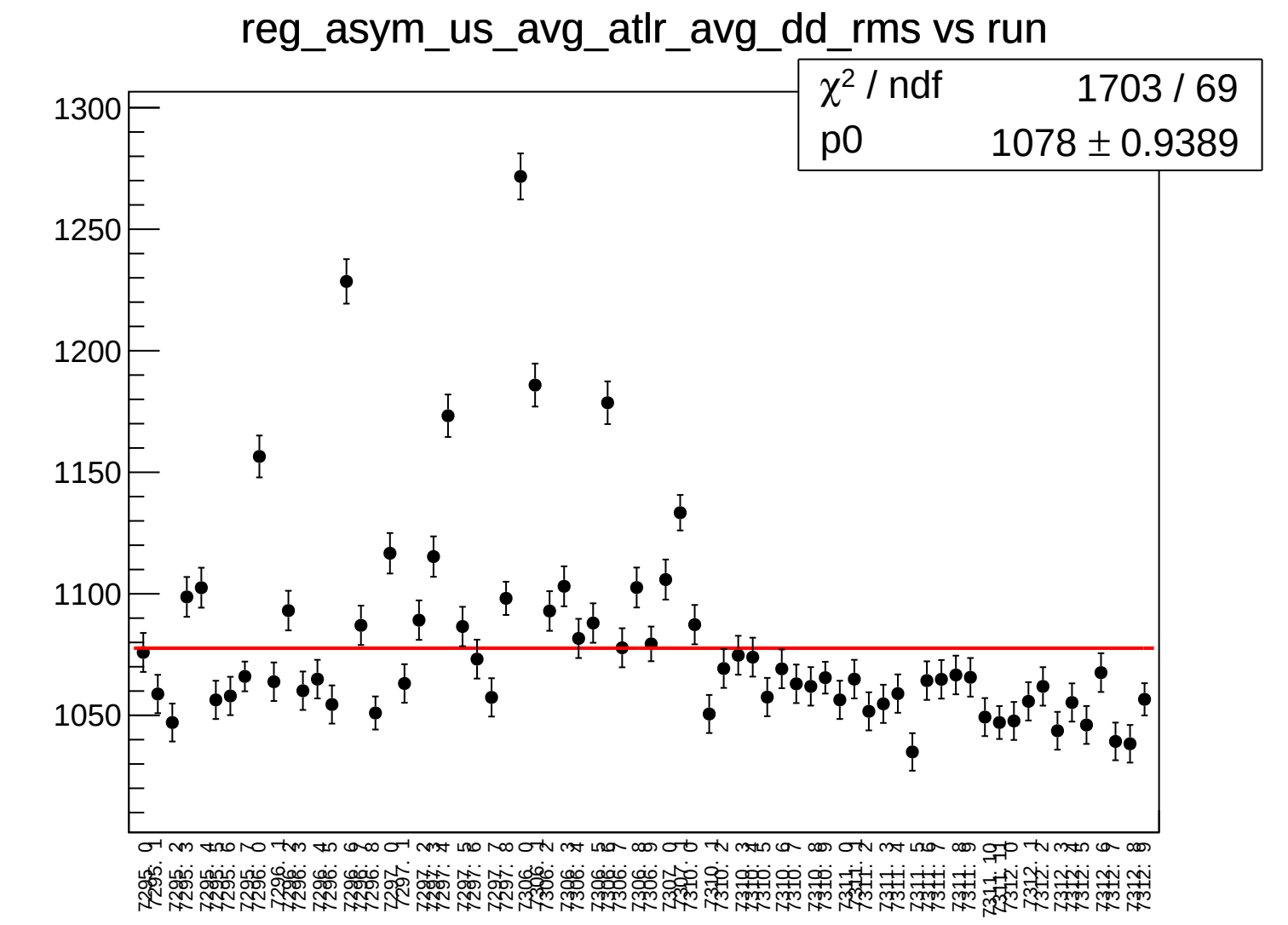

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.23 / 69
p0 6.858e−14 ± 8.275e−14
pull
Entries 70
Mean 26.18
Std Dev 25.67

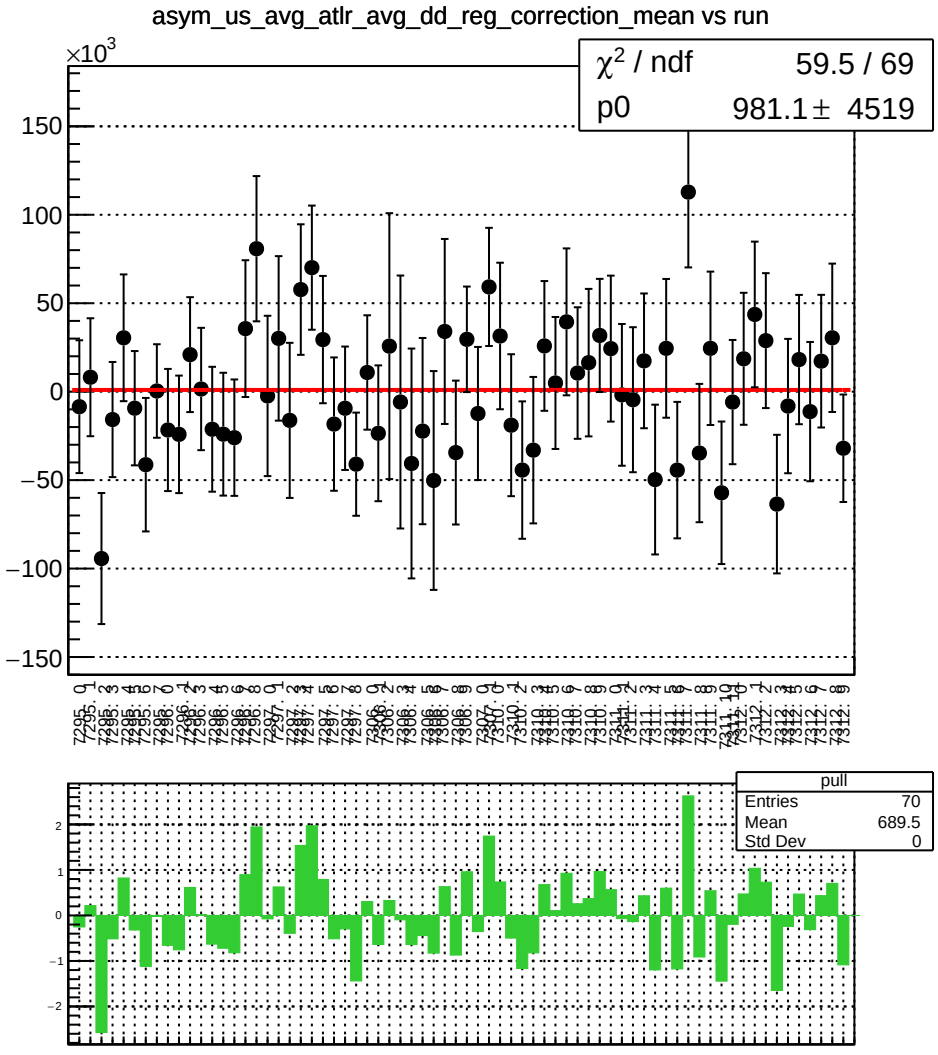

pull1D
Entries 70
Mean 0.127
Std Dev 0.8791

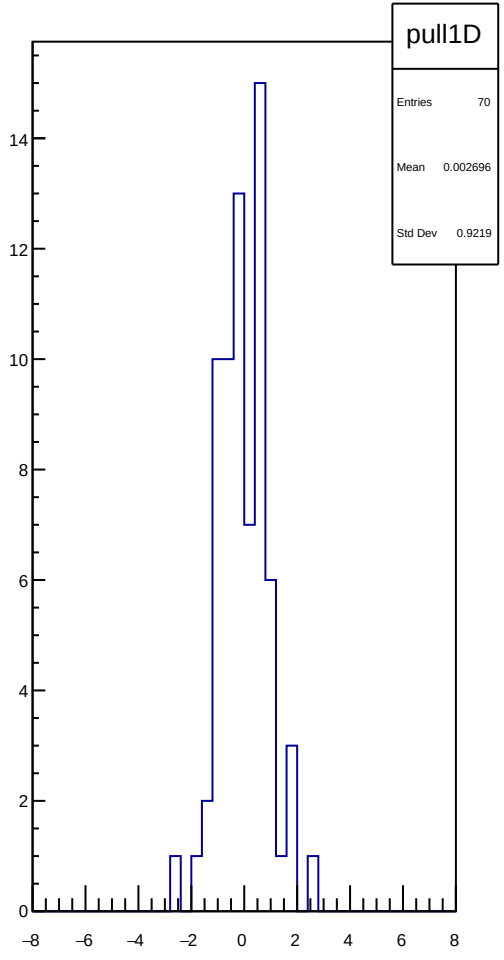

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.653e+05 / 69
p0 5.406e−11 ± 5.851e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

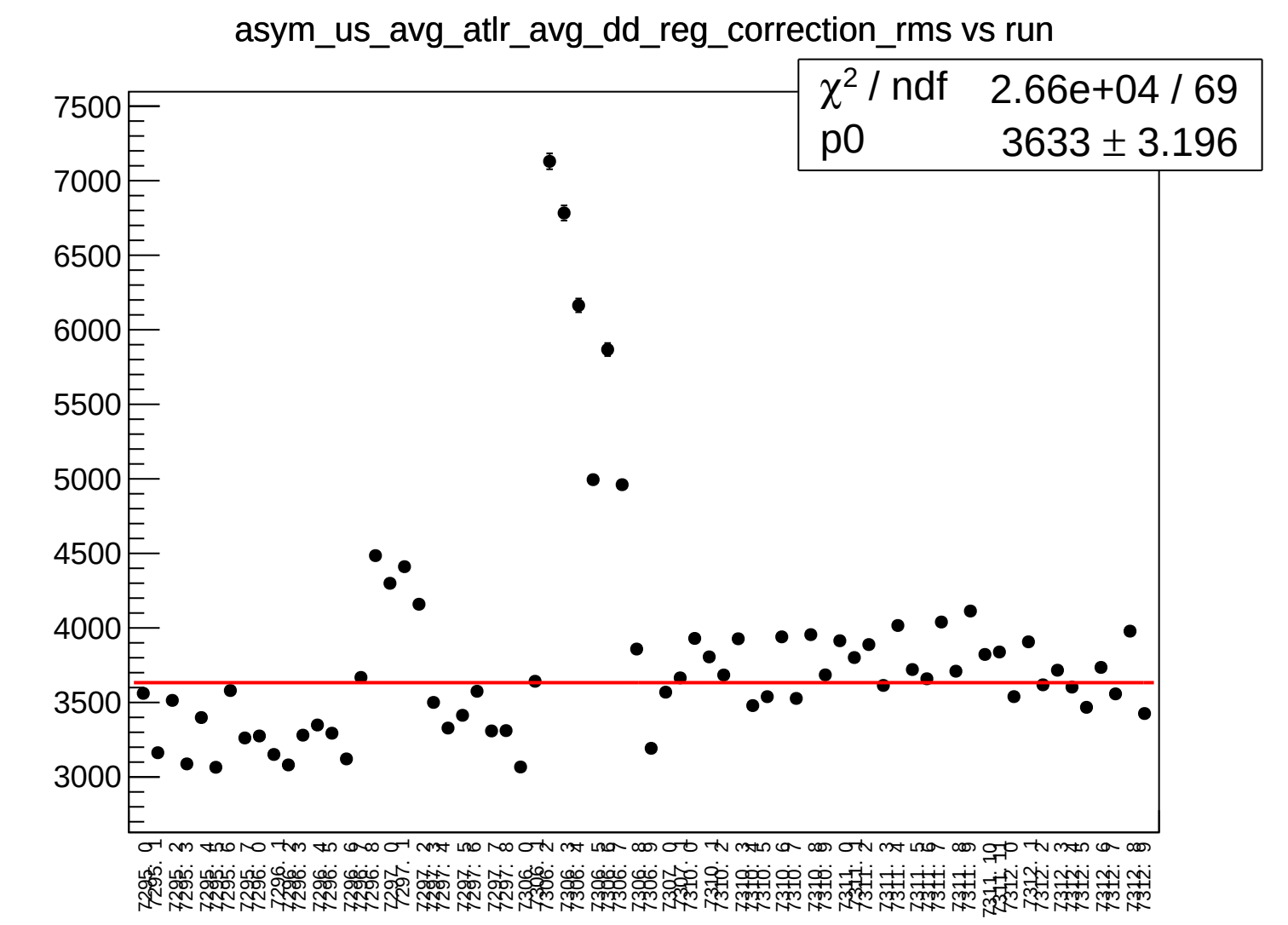

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 79.09 / 69
p0 −1207 ± 1328
pull
Entries 70
Mean 159.2
Std Dev 0

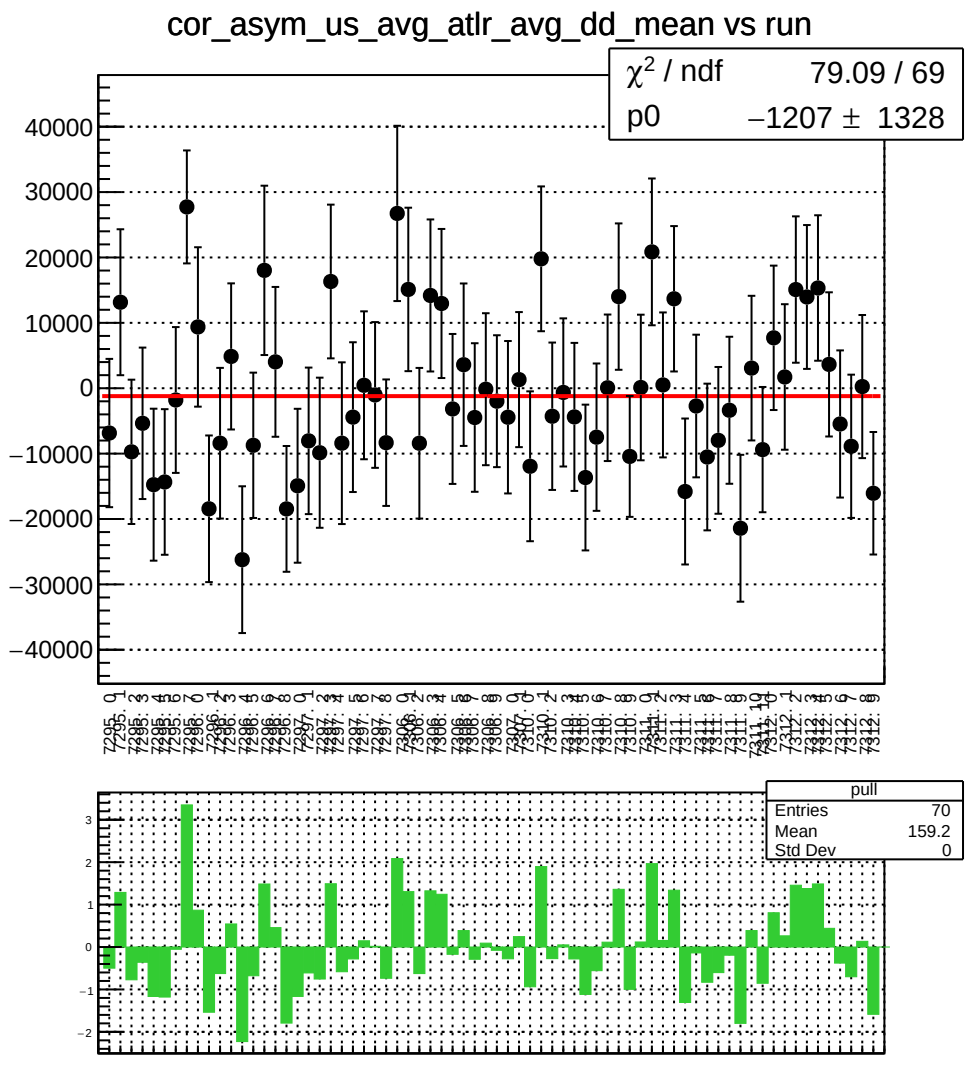

pull1D
Entries 70
Mean 0.009583
Std Dev 1.063

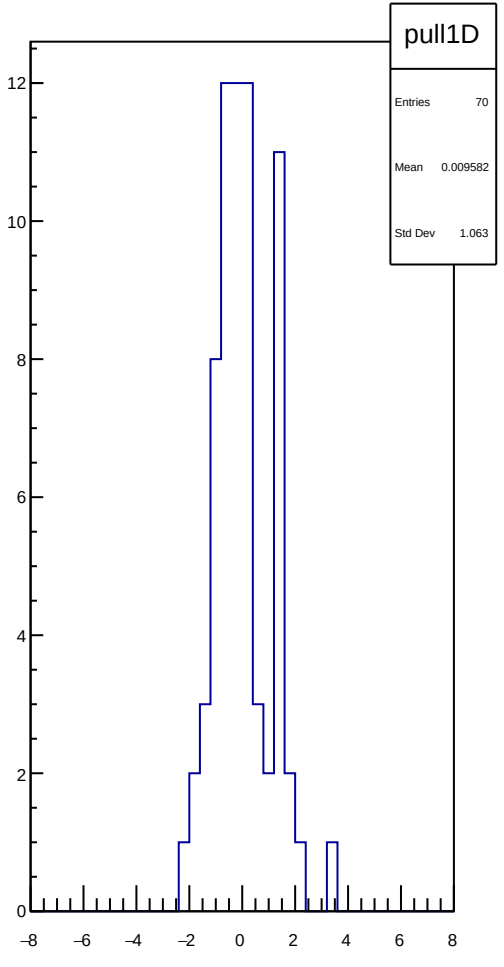

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1703 / 69
p0 1078 ± 0.9389
1300
1250
1200
1150
1100
1050

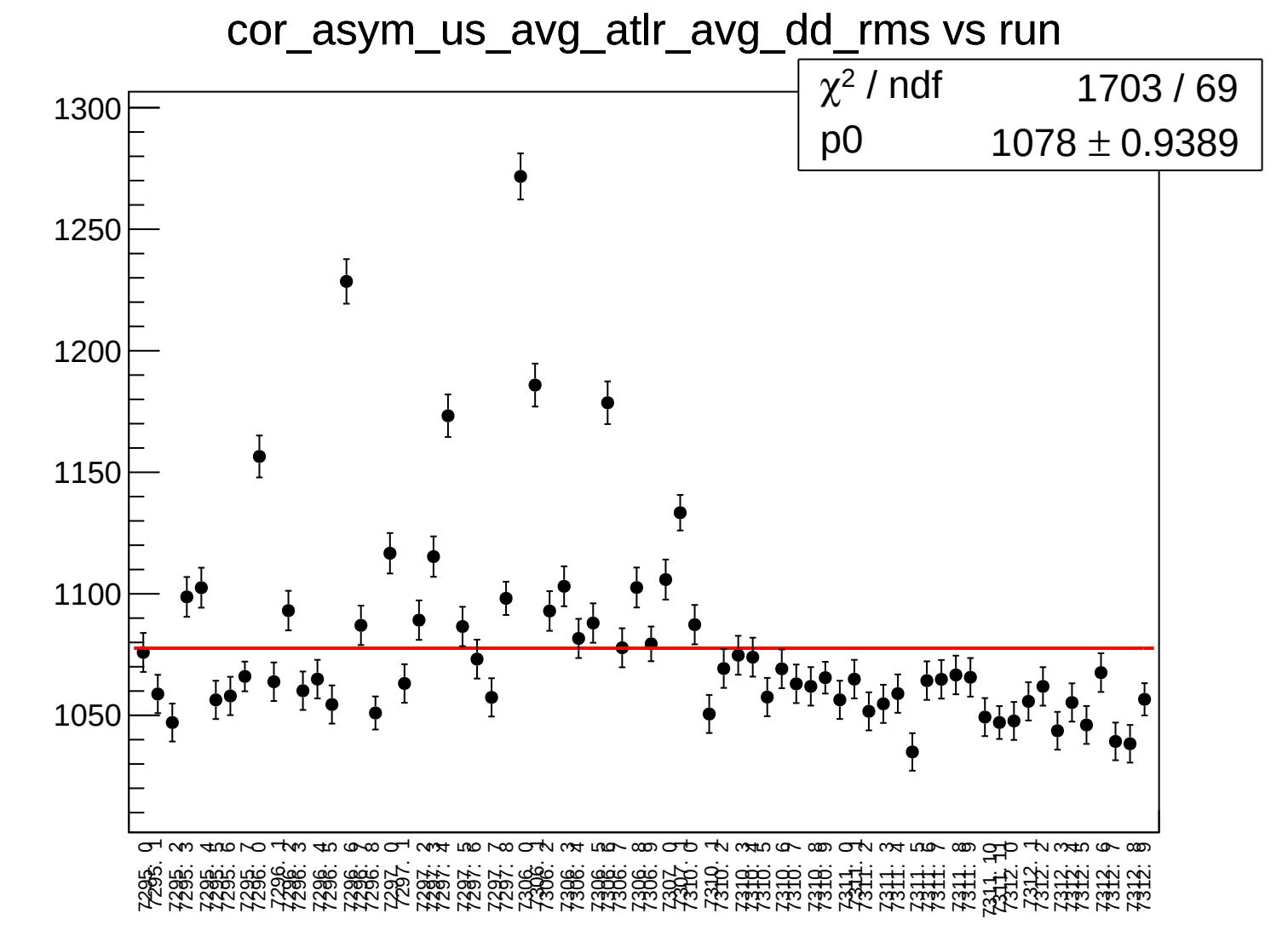

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 59.5 / 69
p0 981.1 ± 4519
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 689.5
Std Dev 0
2
1
0
−1
−2

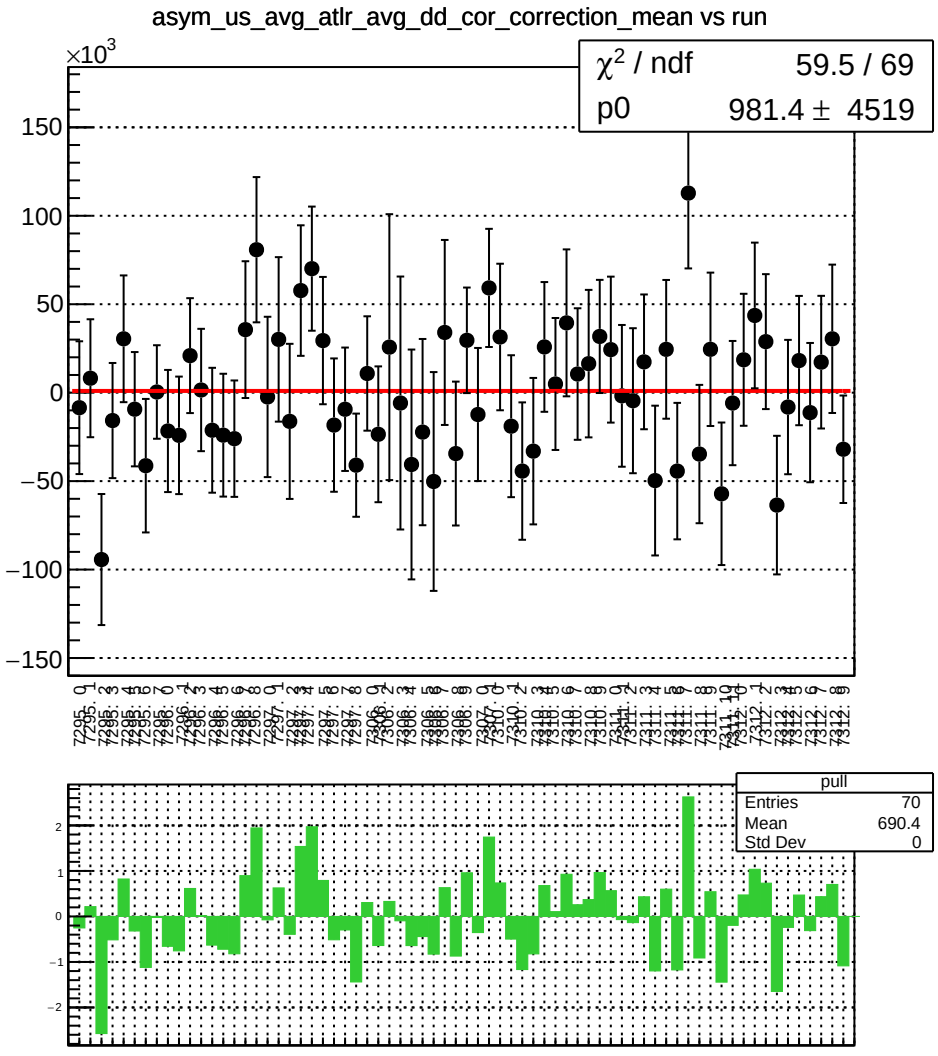

pull1D
Entries 70
Mean 0.002696
Std Dev 0.9219
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

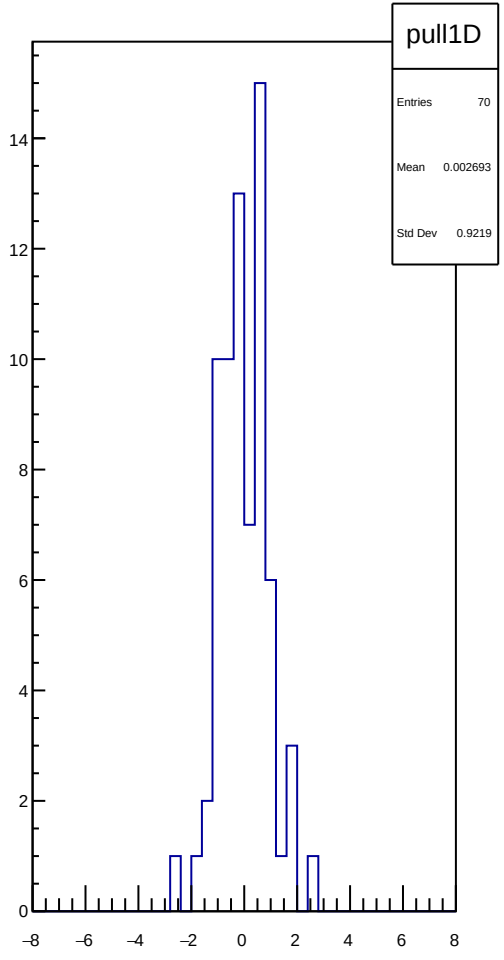

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 3633 ± 3.196
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000

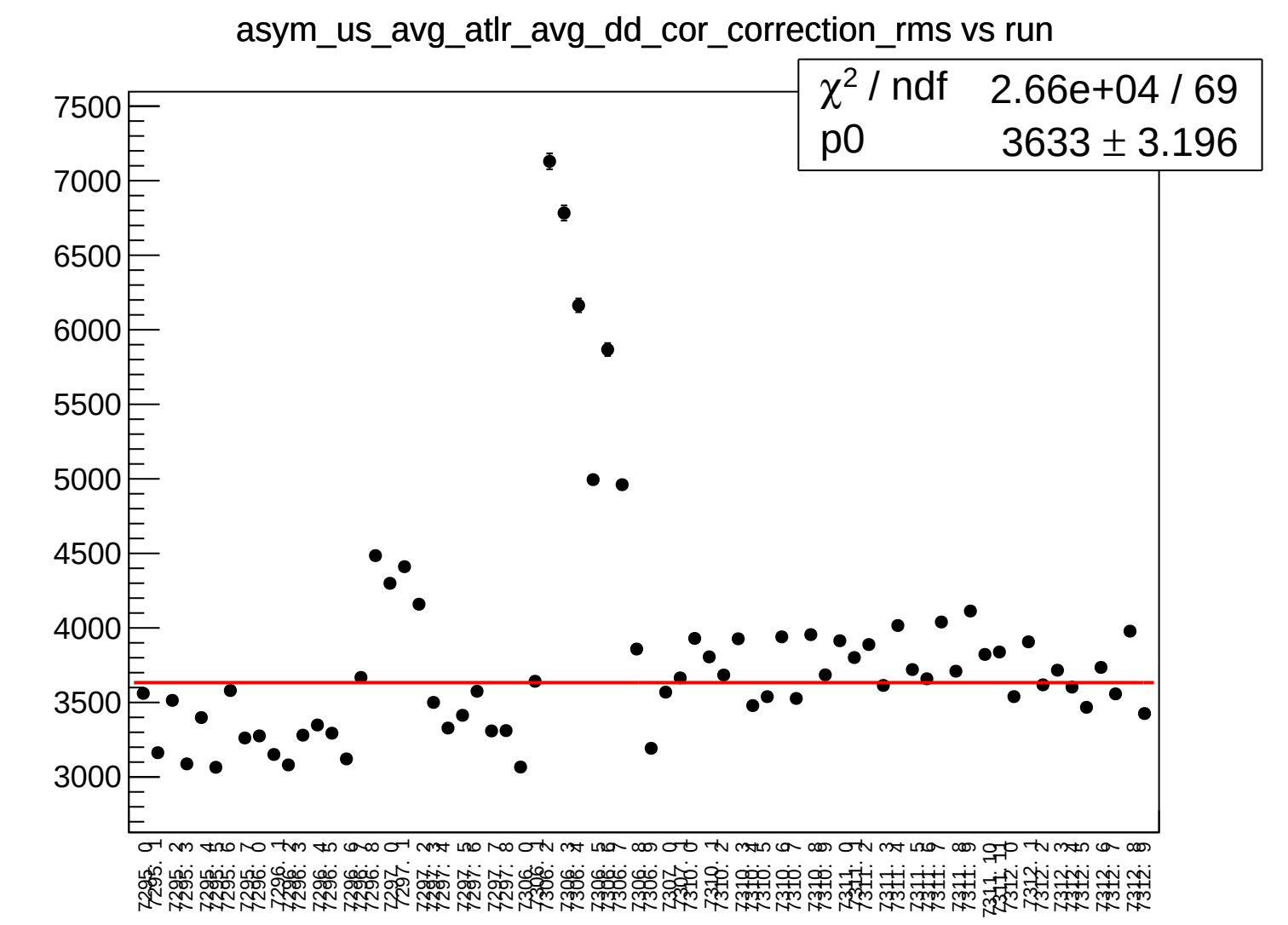

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 79.09 / 69
p0 −1207 ± 1328
pull
Entries 70
Mean 159.2
Std Dev 0

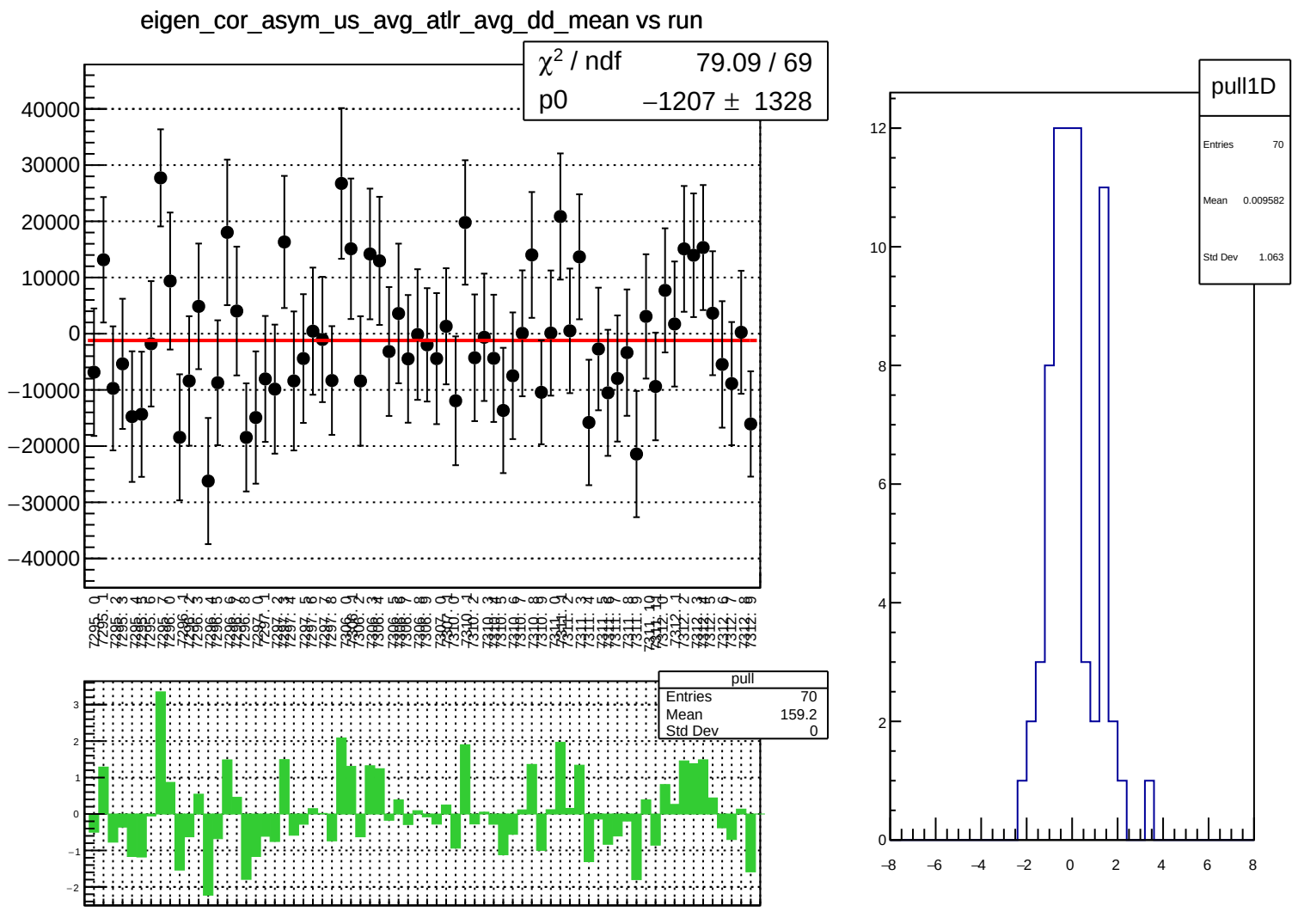

pull1D
Entries 70
Mean 0.009582
Std Dev 1.063

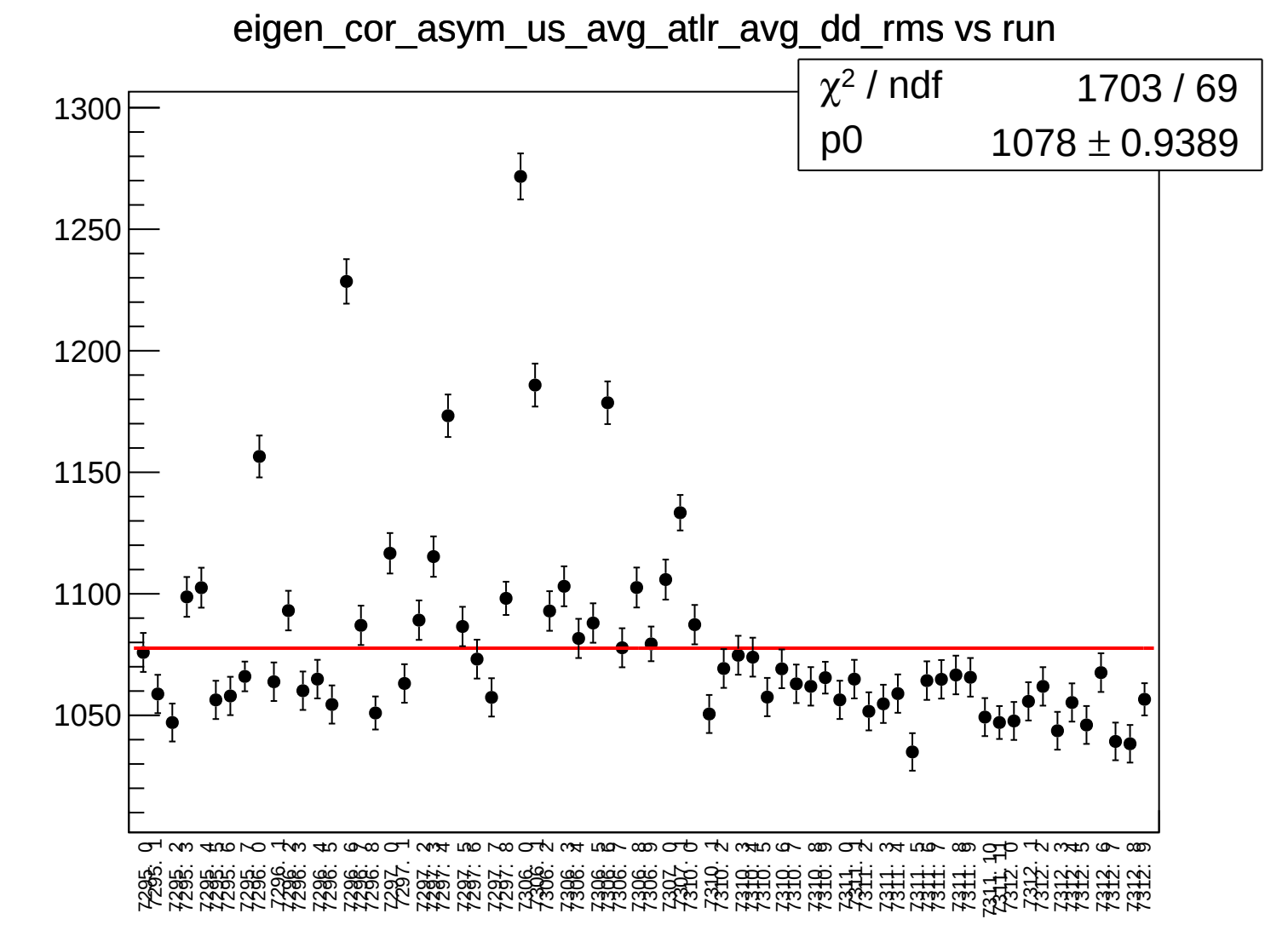

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1703 / 69
p0 1078 ± 0.9389
1300
1250
1200
1150
1100
1050

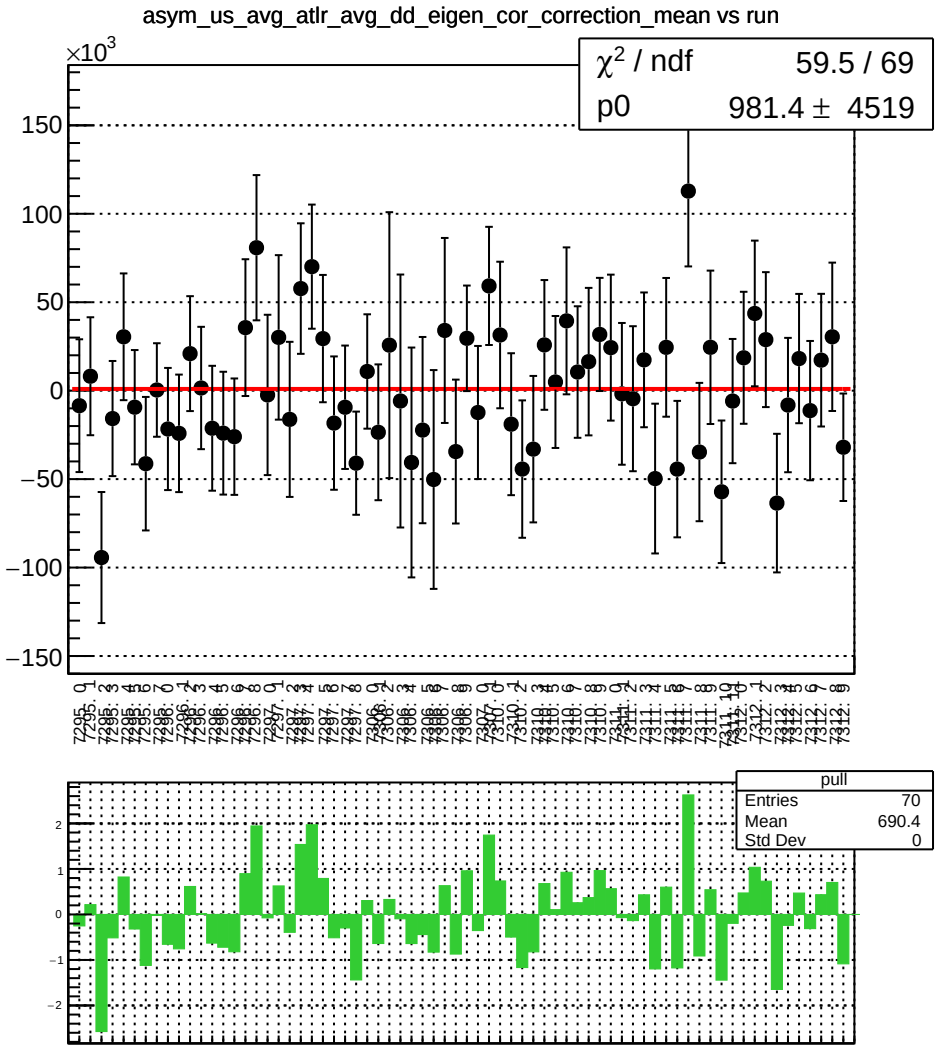

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 59.5 / 69
p0 981.4 ± 4519
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 690.4
Std Dev 0
2
1
0
−1
−2

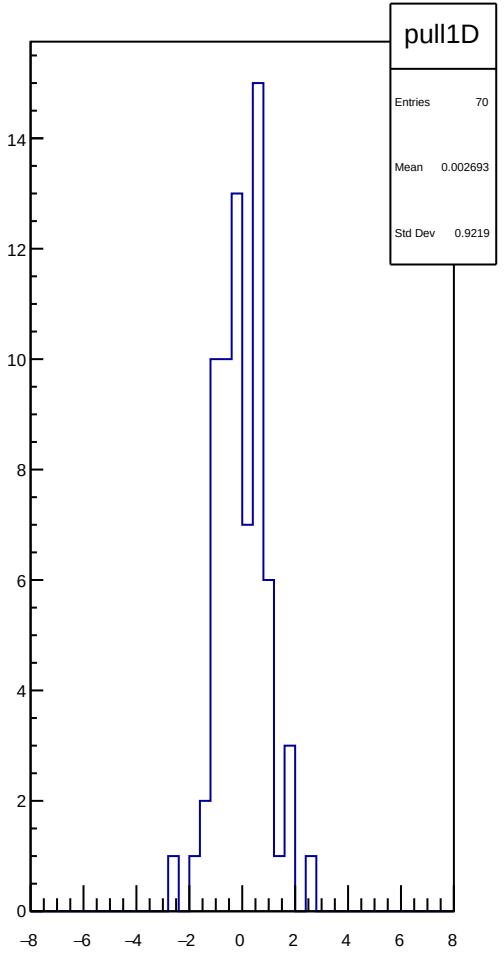

pull1D
Entries 70
Mean 0.002693
Std Dev 0.9219
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 3633 ± 3.196
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 79.09 / 69
p0 −1207 ± 1328
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 70
Mean 159.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 70
Mean 0.009582
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1703 / 69
p0 1078 ± 0.9389
1300
1250
1200
1150
1100
1050


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 59.5 / 69
p0 981.4 ± 4519
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 690.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean 0.002693
Std Dev 0.9219
14
12
10
8
6
4
2
0
−8
−6
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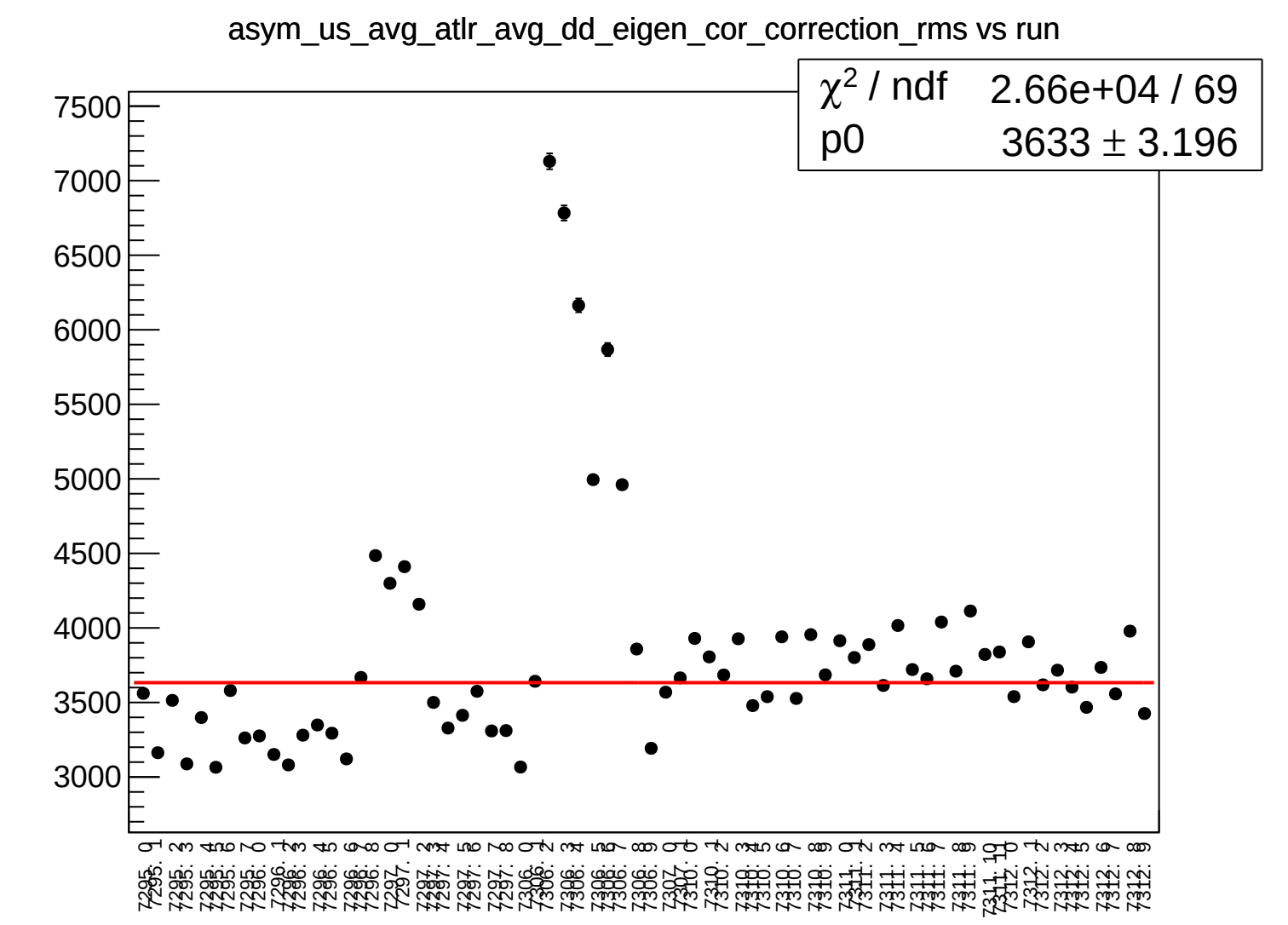
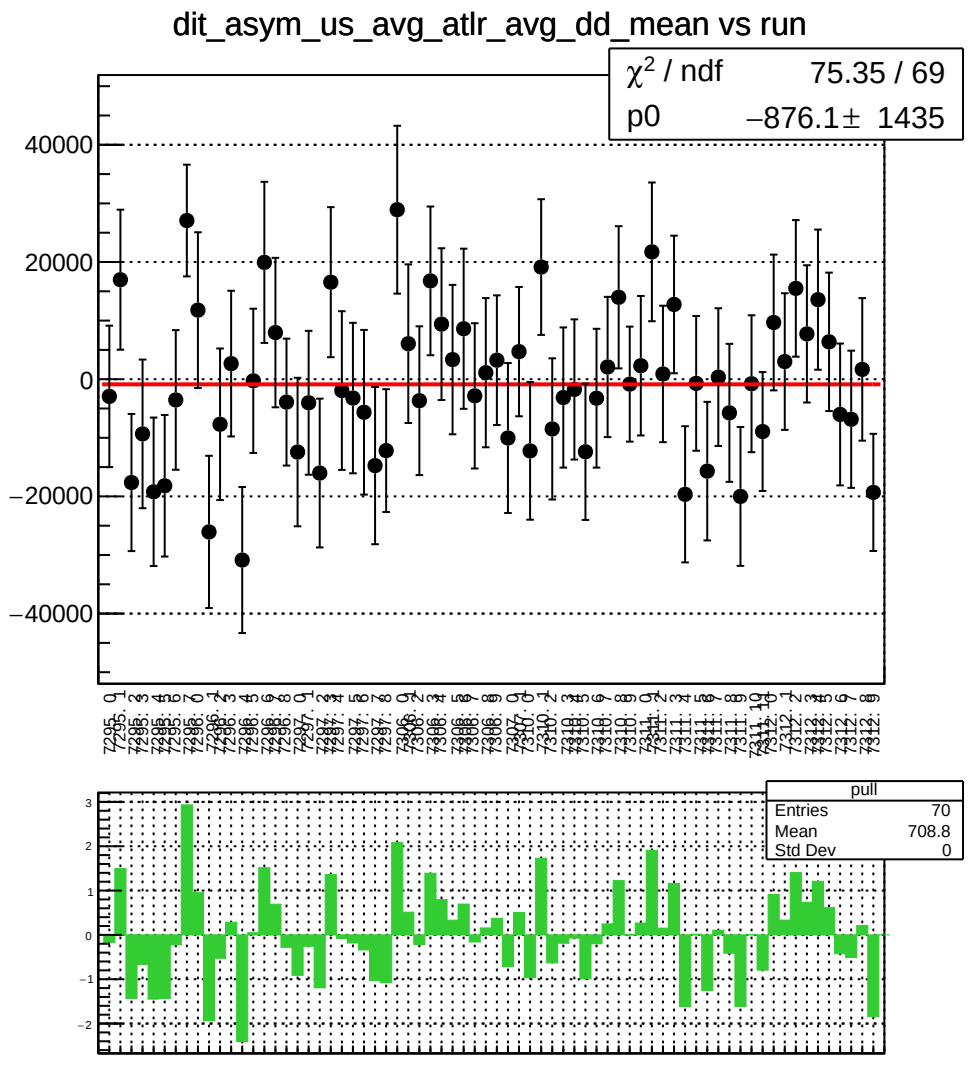
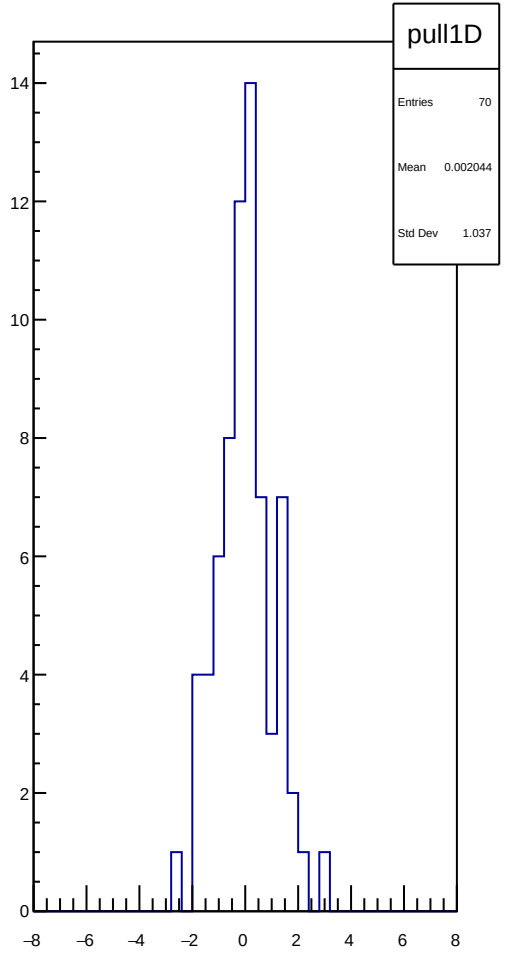
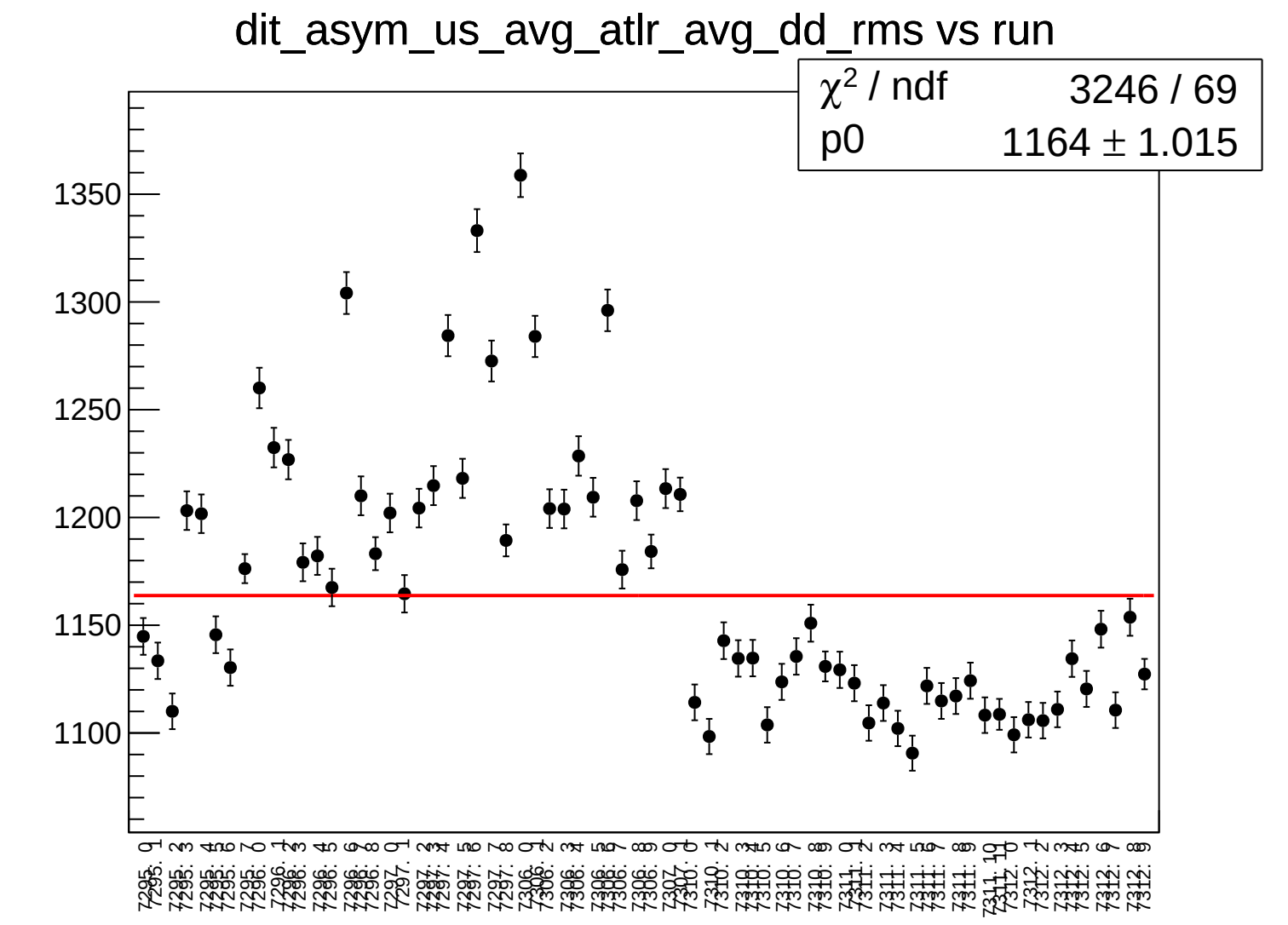
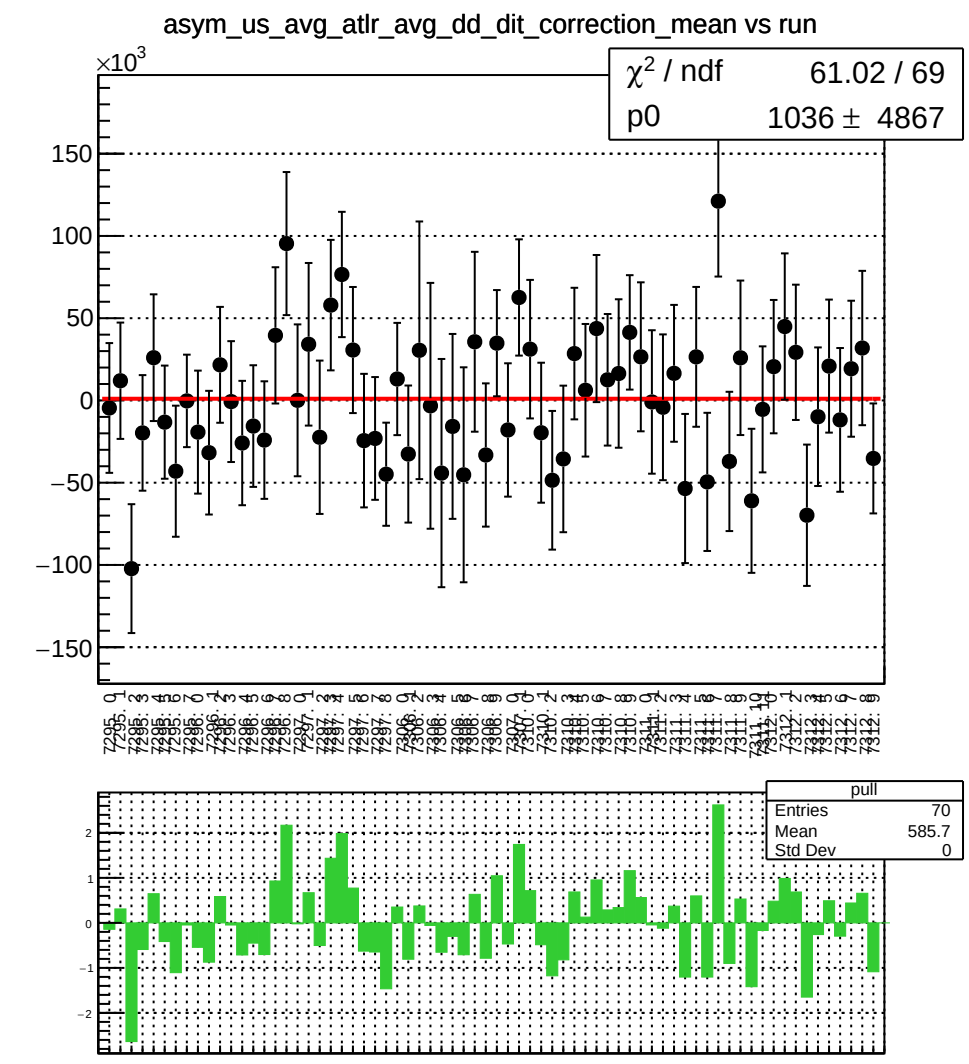
0
2
4
6
8

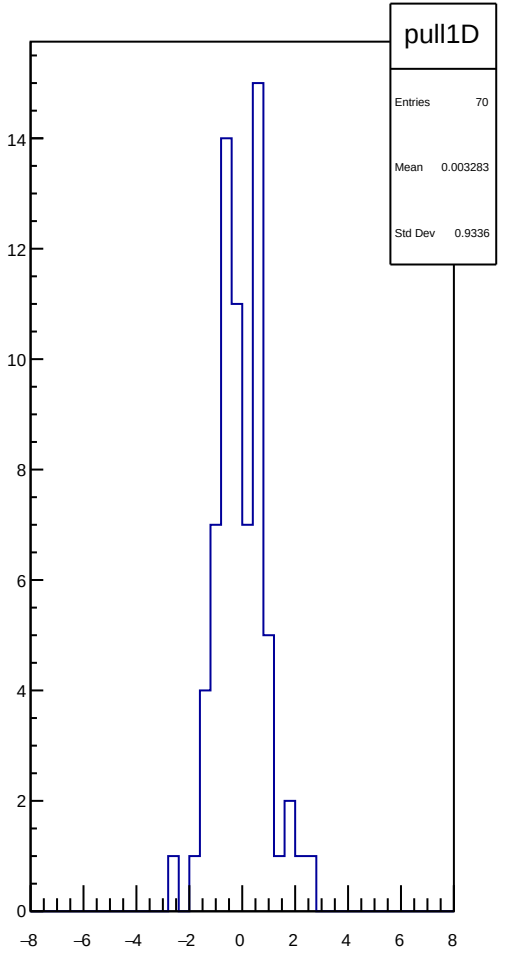

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.66e+04 / 69
p0 3633 ± 3.196
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000

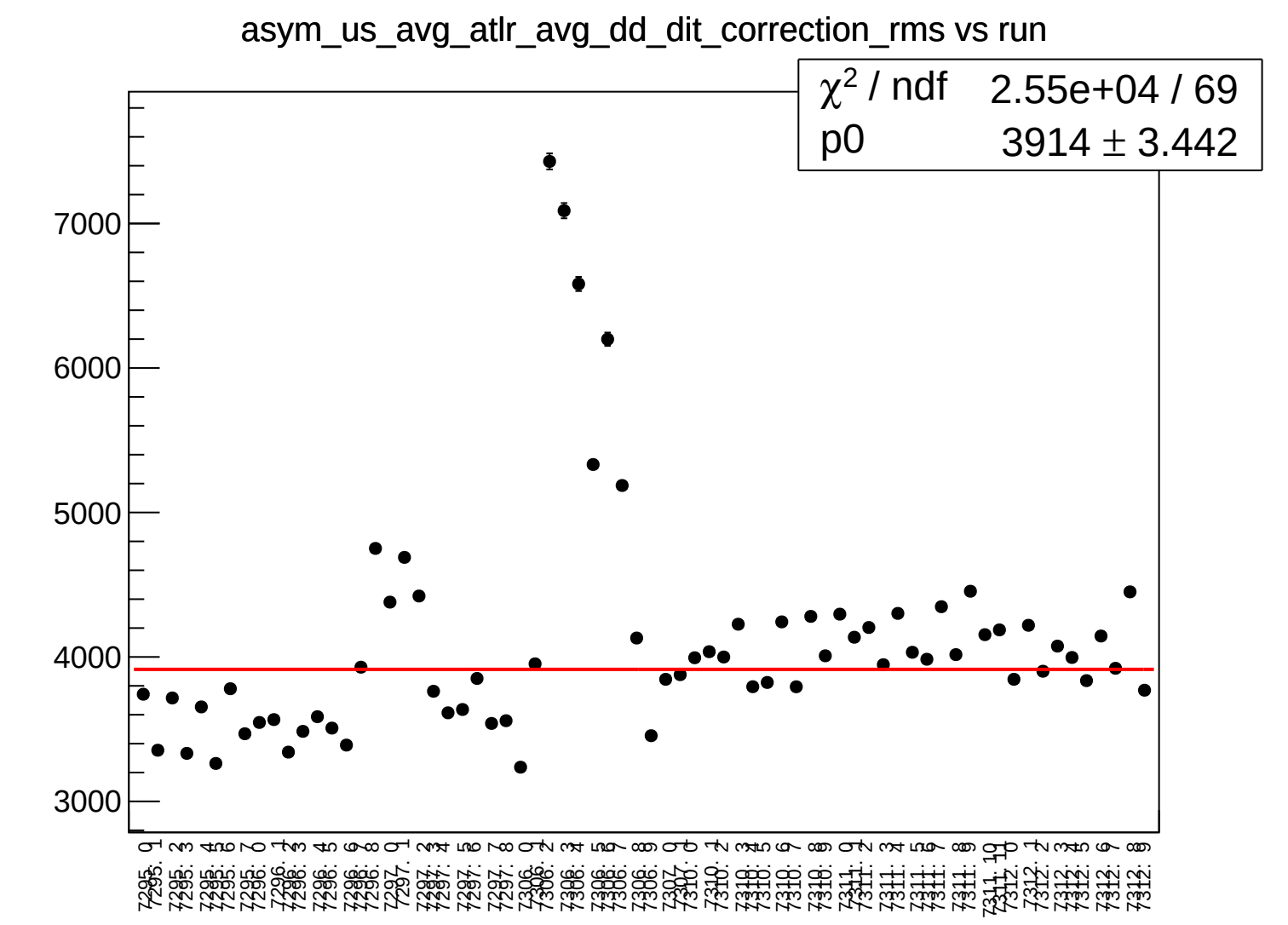

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 75.35 / 69
p0 −876.1± 1435
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 708.8
Std Dev 0
3
2
1
0
−1
−2

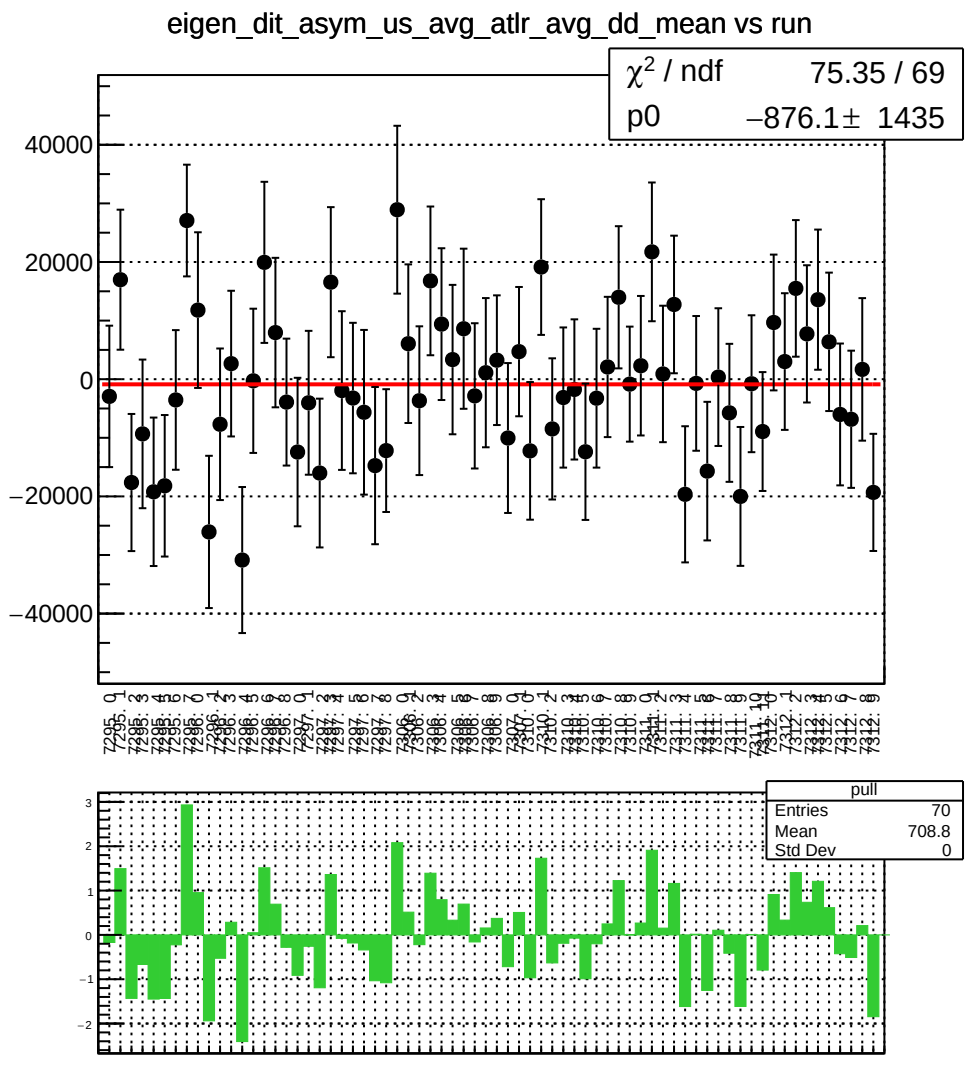

pull1D
Entries 70
Mean 0.002044
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

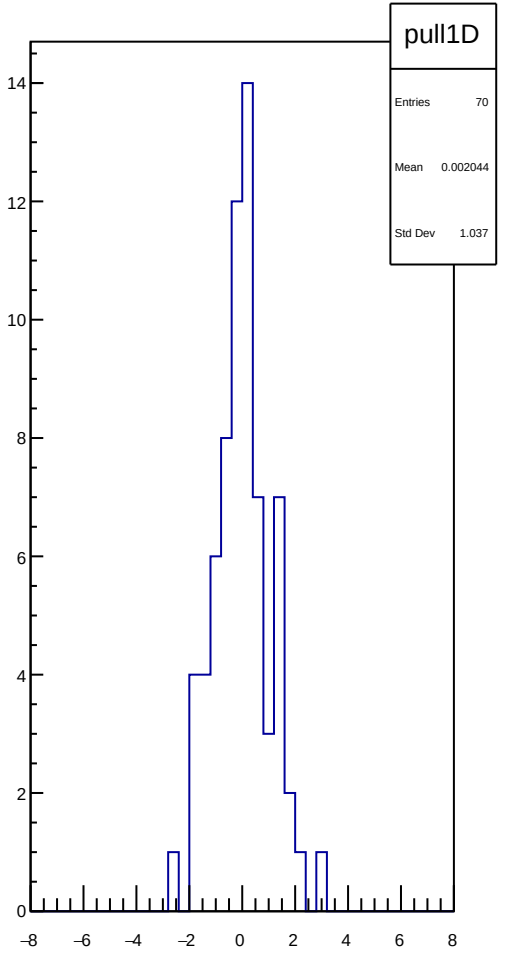

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3246 / 69
p0 1164 ± 1.015
1350
1300
1250
1200
1150
1100

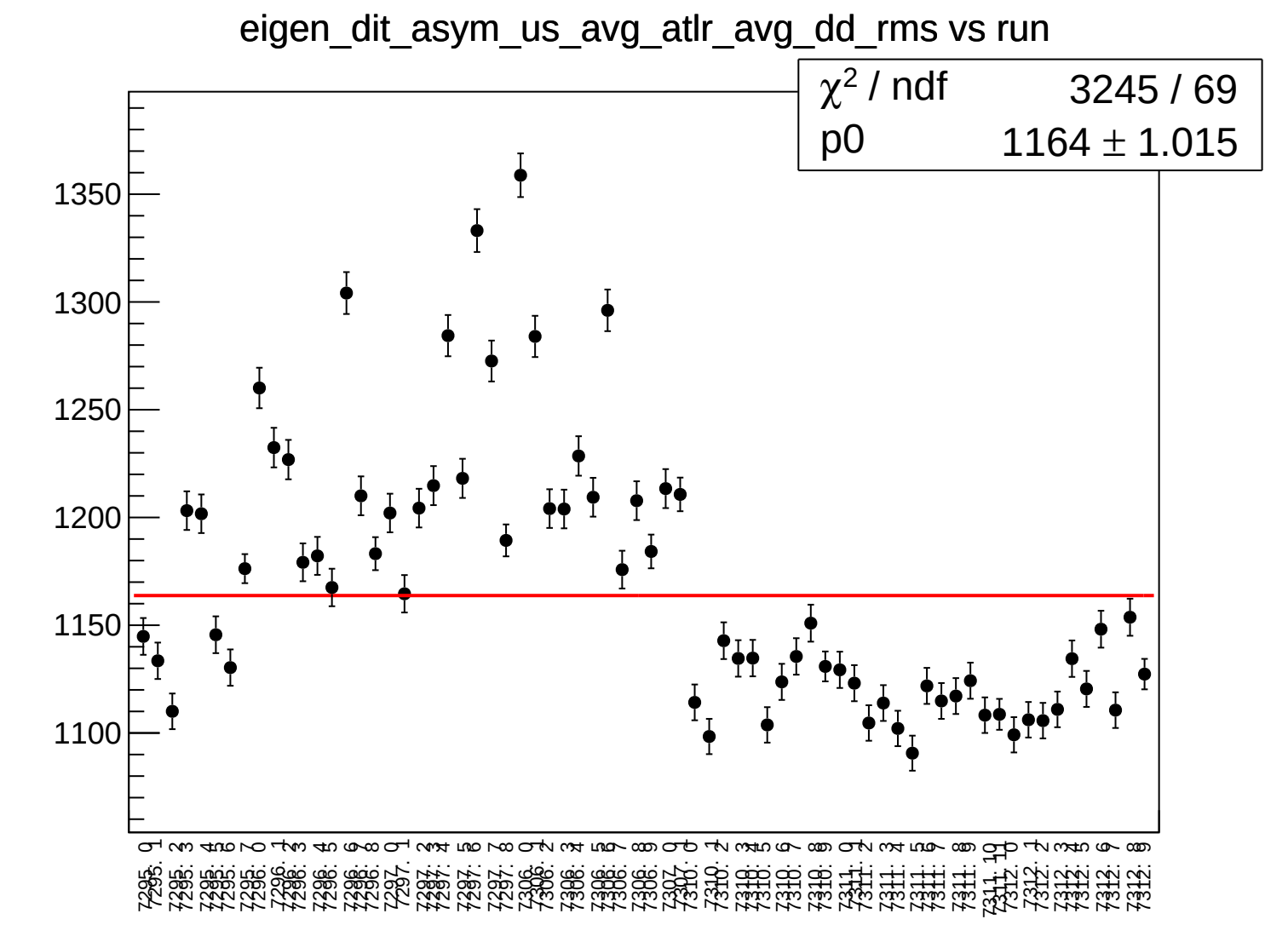

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 61.02 / 69
p0 1036 ± 4867
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 585.7
Std Dev 0
2
1
0
−1
−2

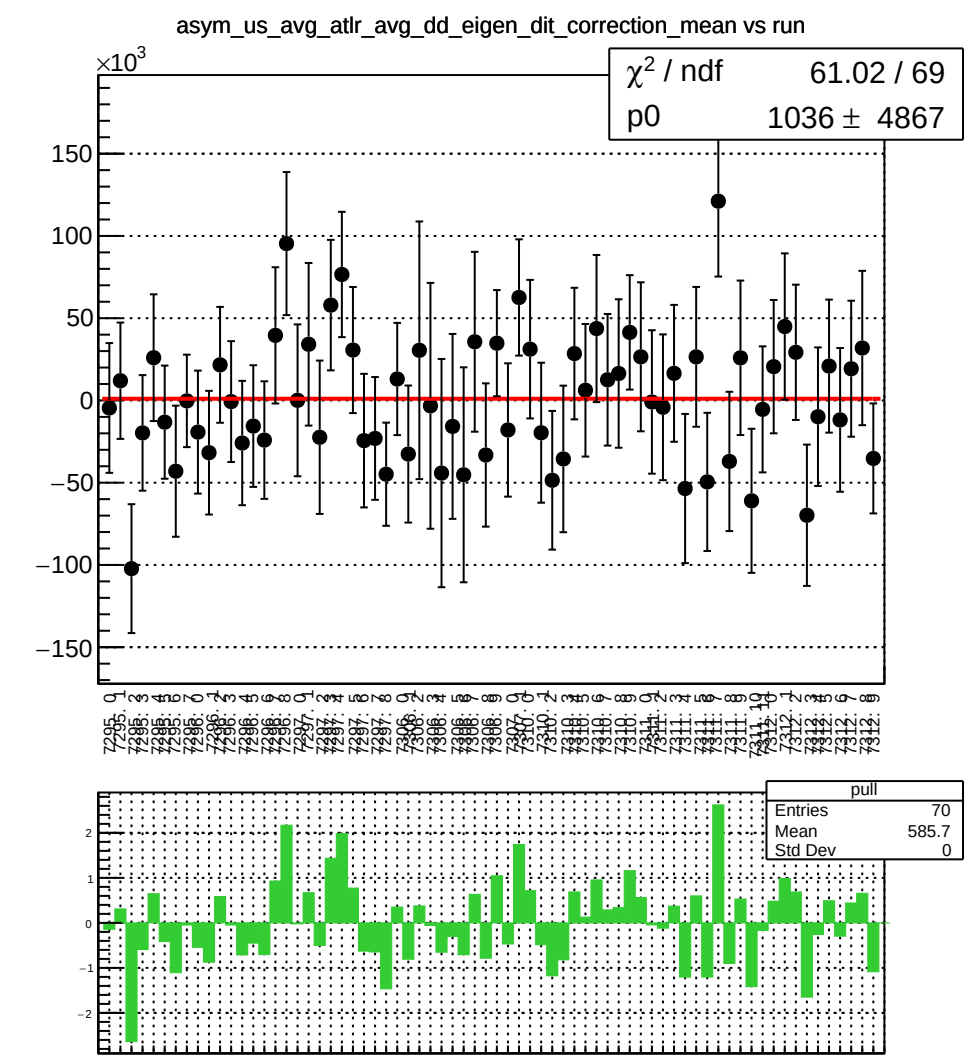

pull1D
Entries 70
Mean 0.003283
Std Dev 0.9336
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

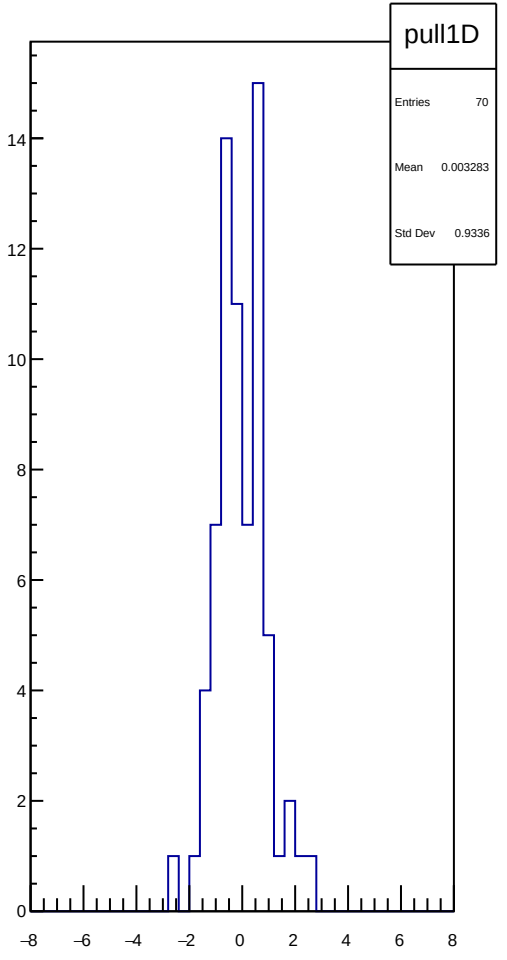

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 3914 ± 3.442
7000
6000
5000
4000
3000

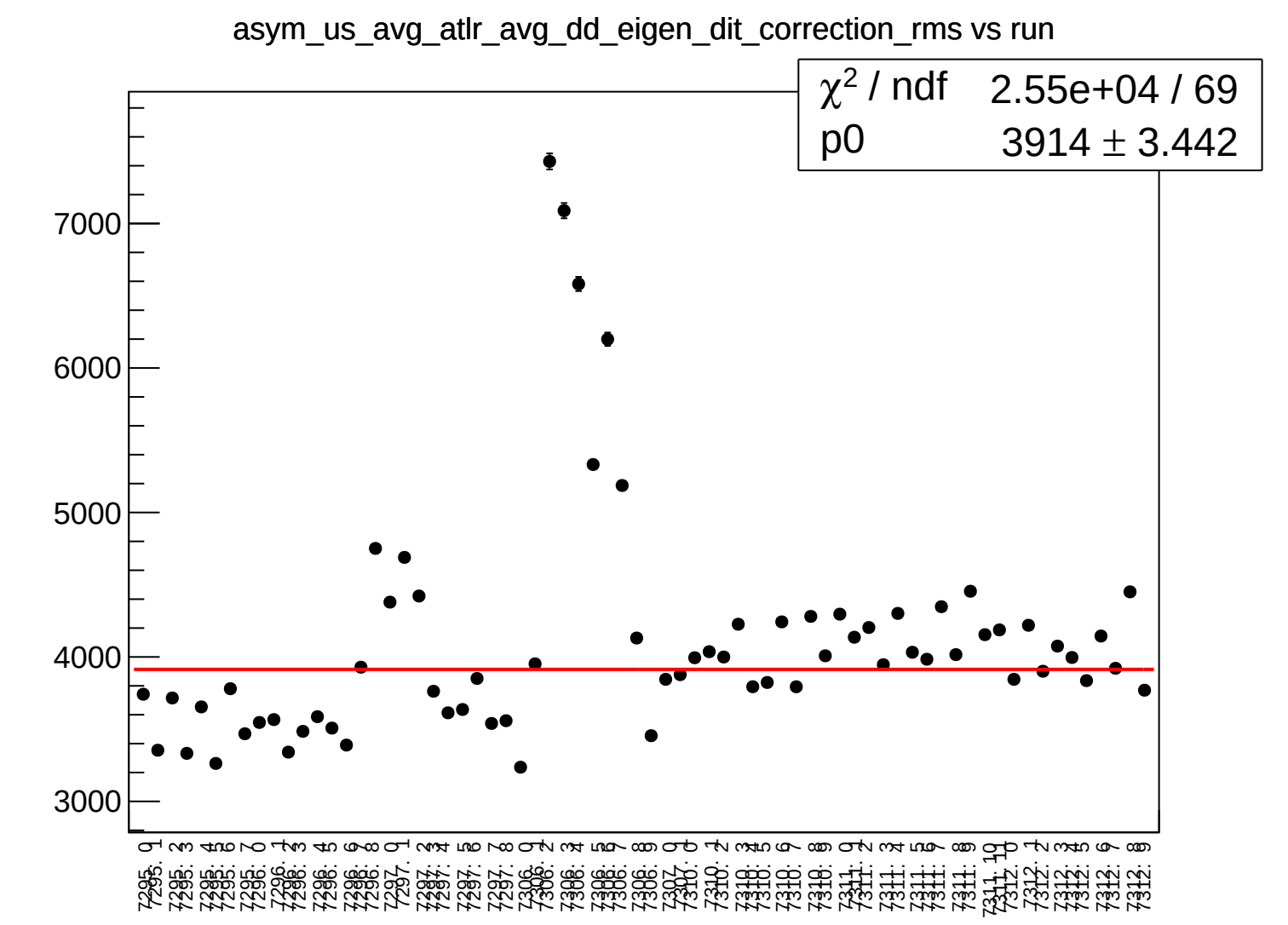

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 75.35 / 69
p0 −876.1± 1435
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 708.8
Std Dev 0
3
2
1
0
−1
−2

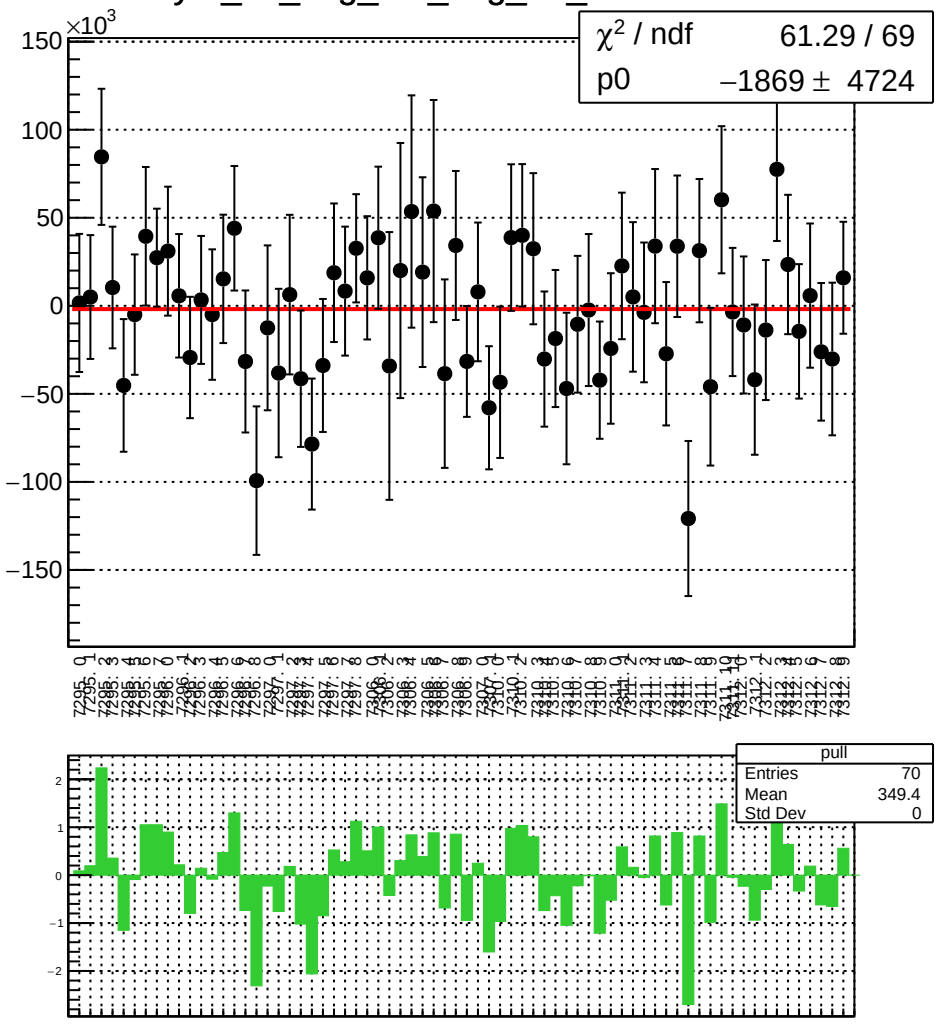

pull1D
Entries 70
Mean 0.002044
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

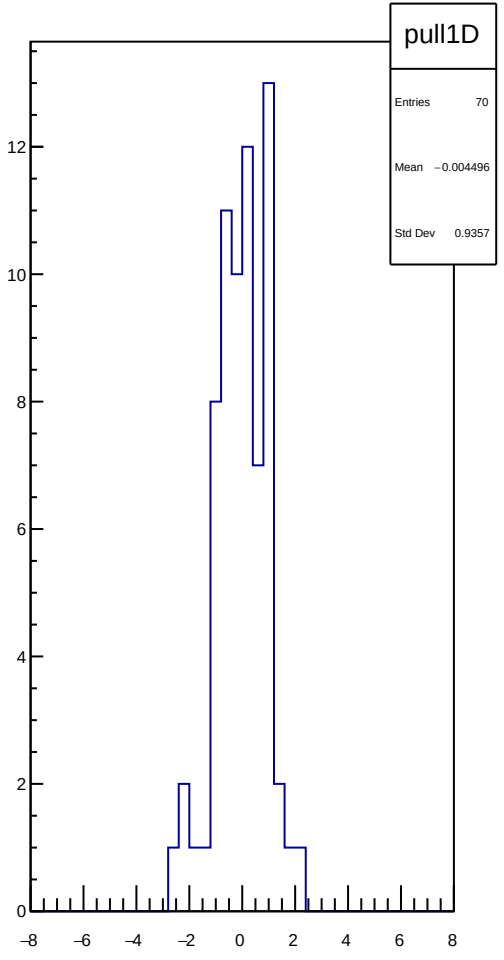

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3245 / 69
p0 1164 ± 1.015
1350
1300
1250
1200
1150
1100

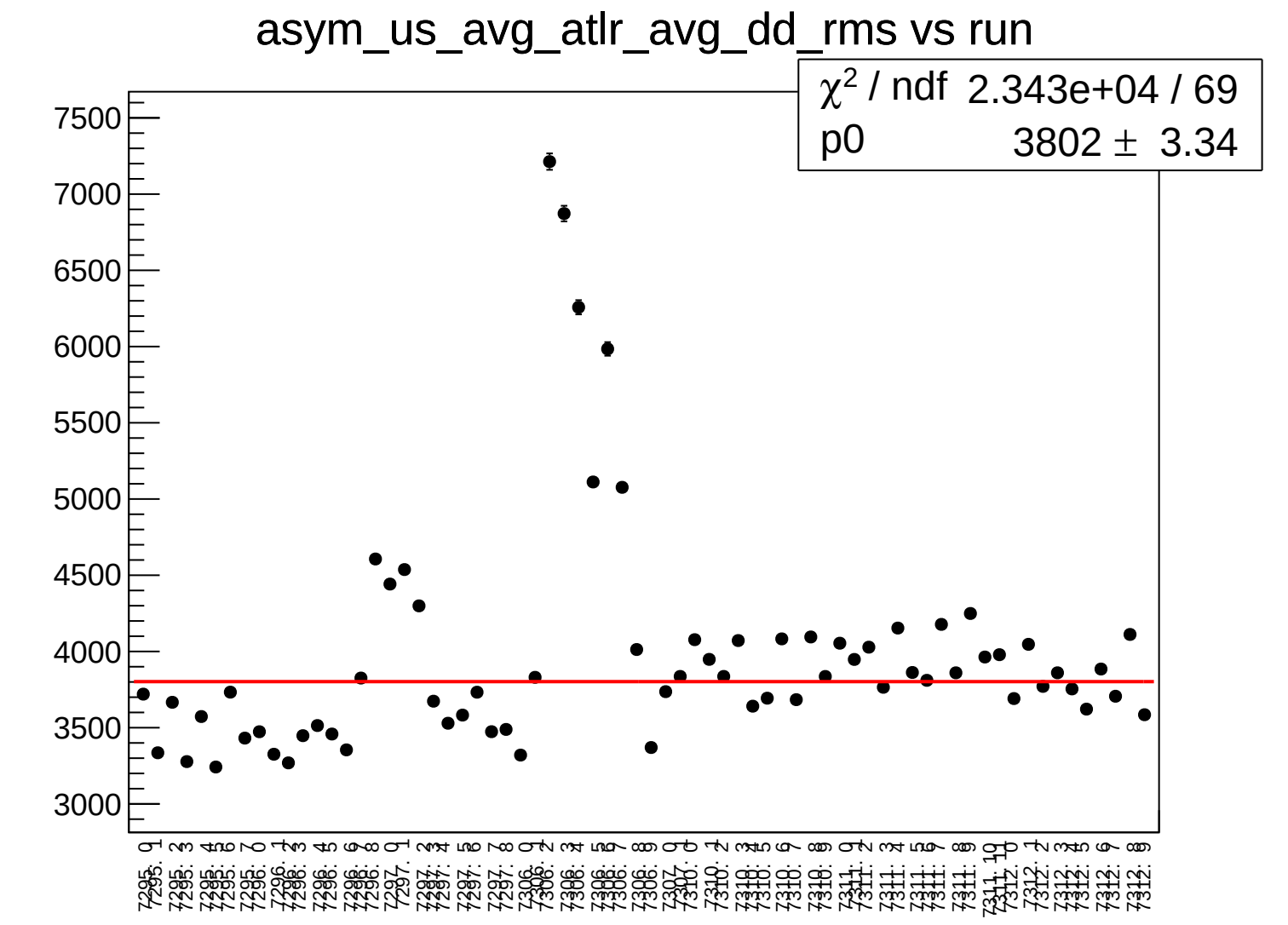

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 61.02 / 69
p0 1036 ± 4867
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 585.7
Std Dev 0
2
1
0
−1
−2

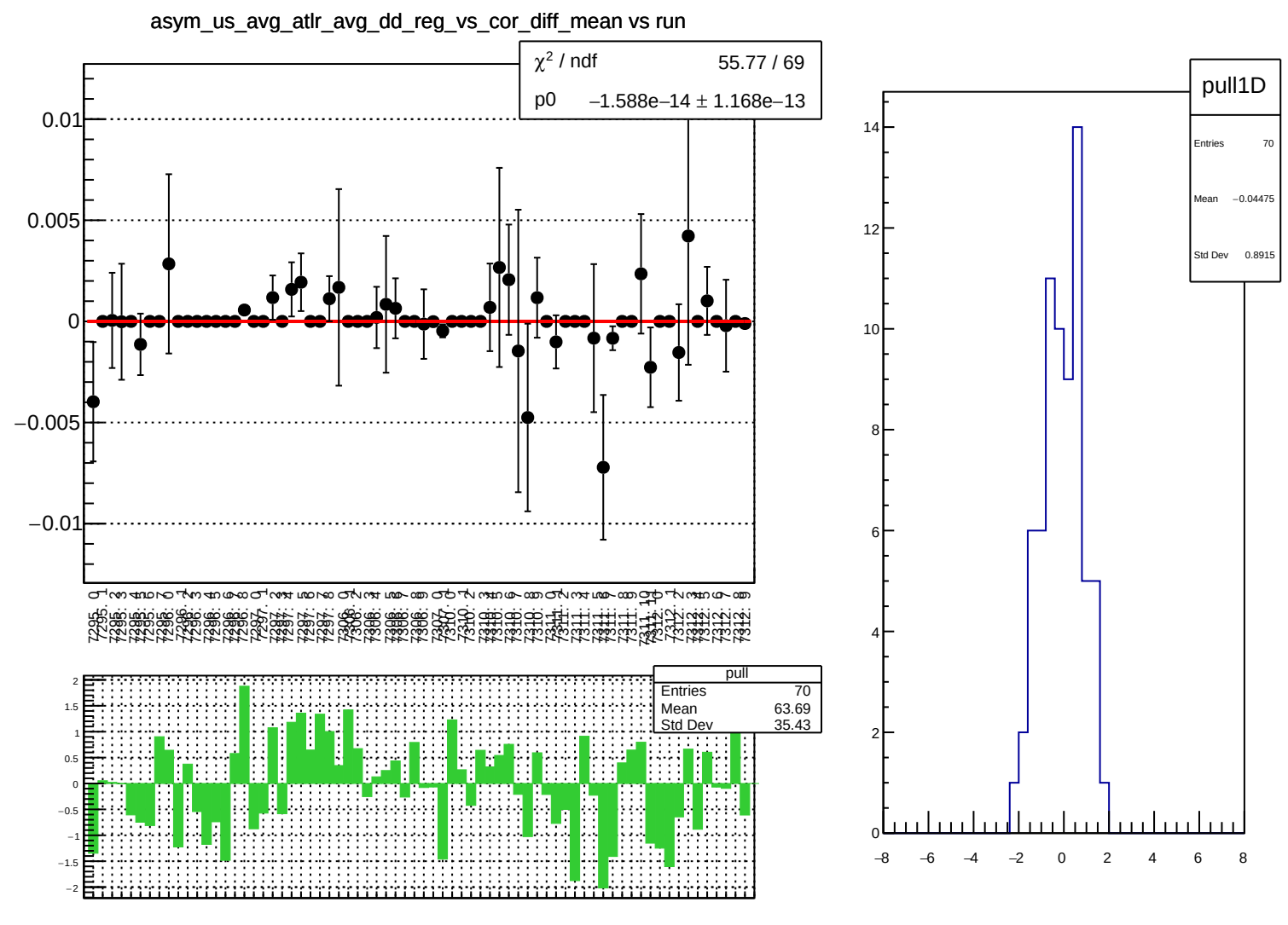

pull1D
Entries 70
Mean 0.003283
Std Dev 0.9336
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

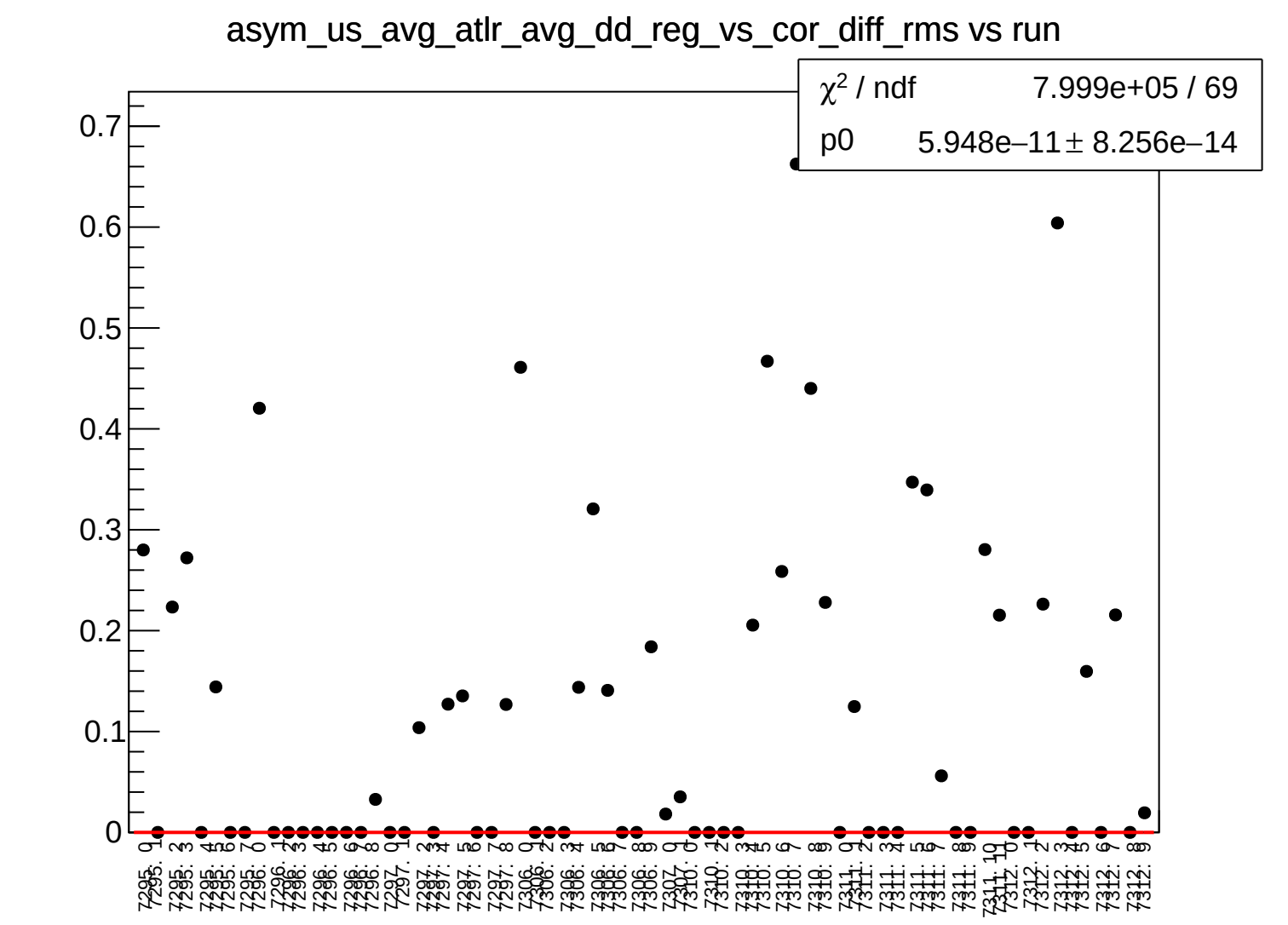

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.55e+04 / 69
p0 3914 ± 3.442
7000
6000
5000
4000
3000

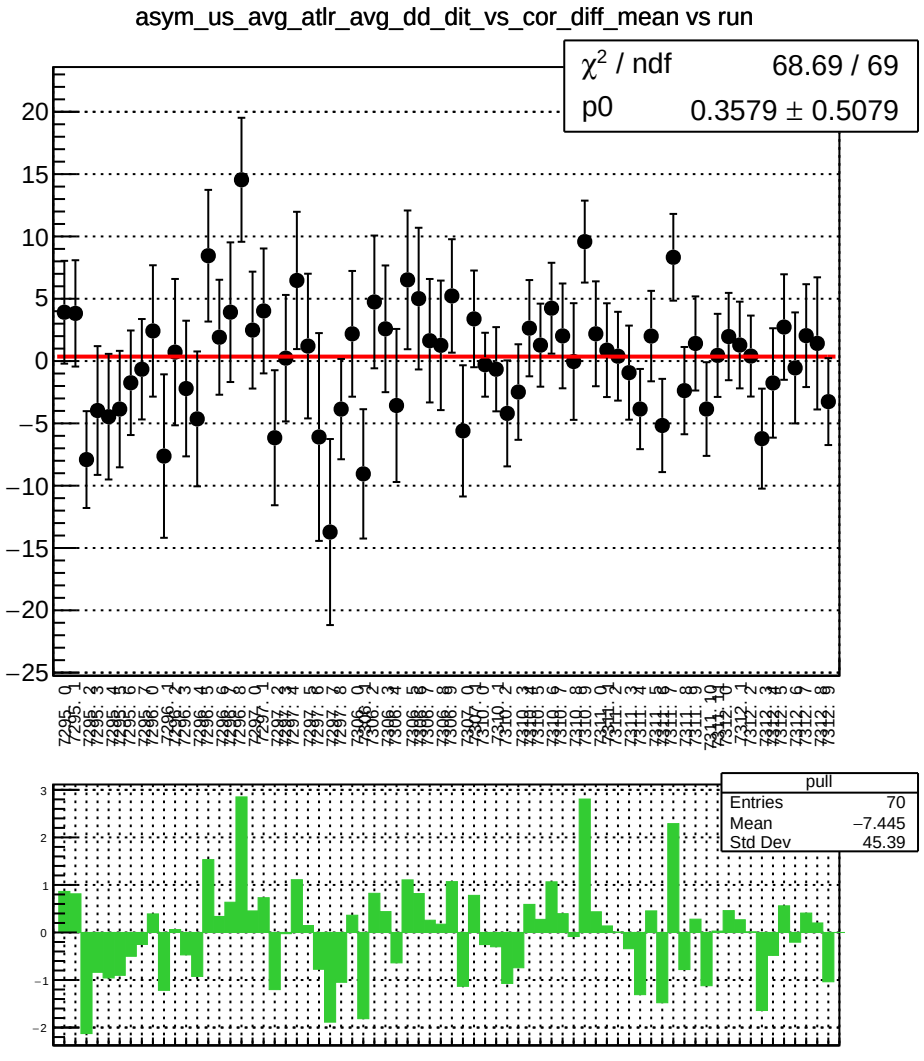

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 61.29 / 69
p0 −1869 ± 4724
150
100
50
0
−50
−100
−150
pull
Entries 70
Mean 349.4
Std Dev 0
2
1
0
−1
−2

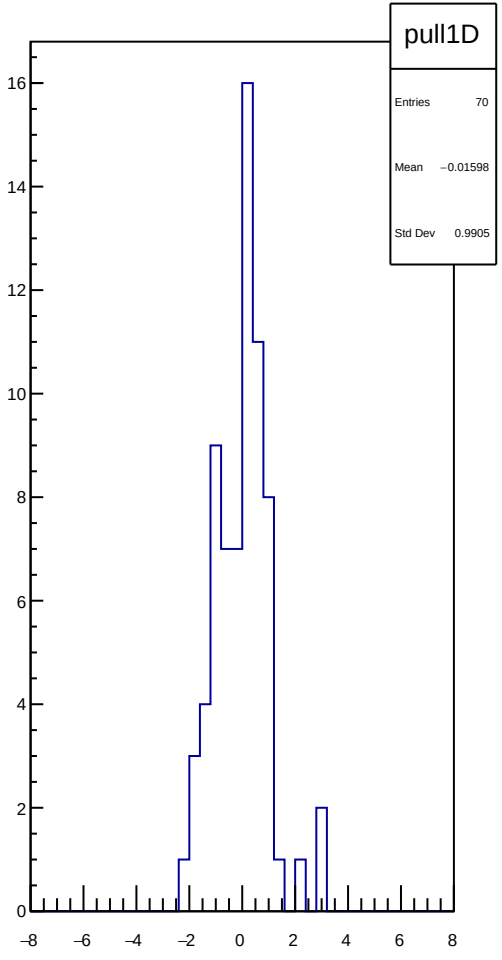

pull1D
Entries 70
Mean −0.004496
Std Dev 0.9357
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

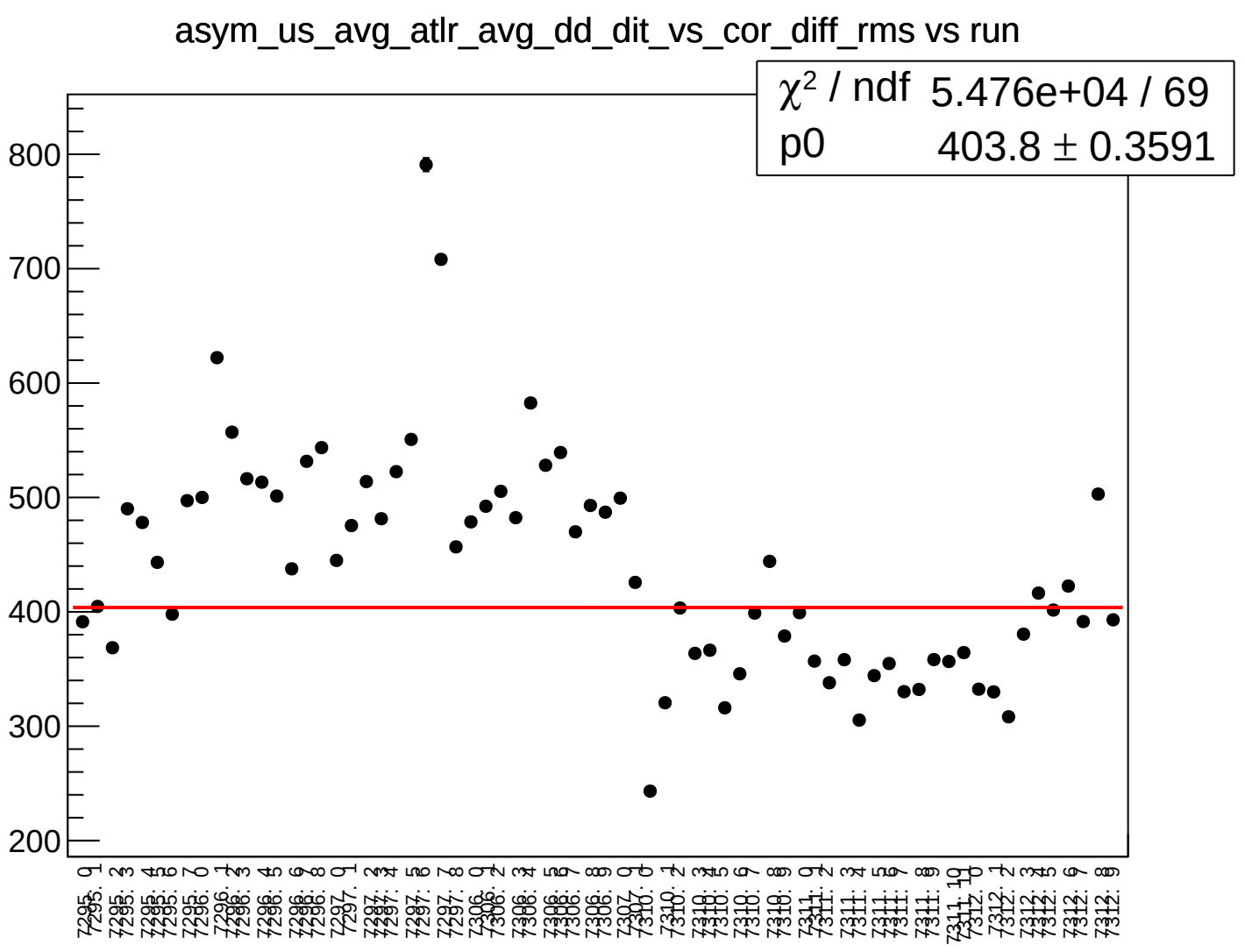

asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 2.343e+04 / 69
p0 3802 ± 3.34
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000

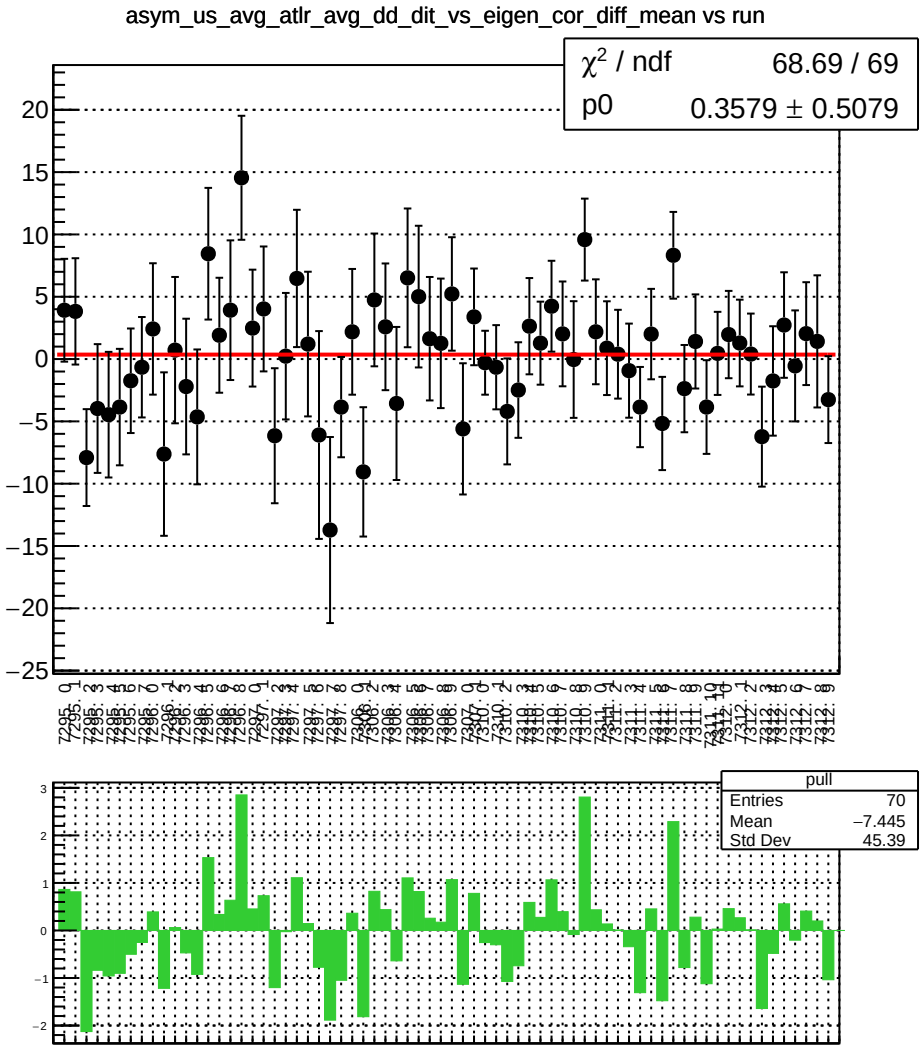

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.77 / 69
p0 −1.588e−14 ± 1.168e−13
pull
Entries 70
Mean 63.69
Std Dev 35.43
pull1D
Entries 70
Mean −0.04475
Std Dev 0.8915

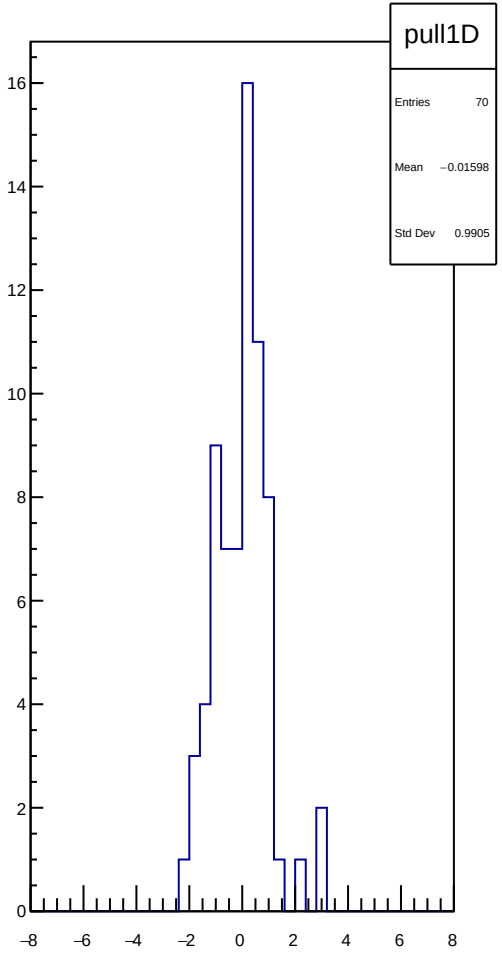

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.999e+05 / 69
p0 5.948e−11 ± 8.256e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

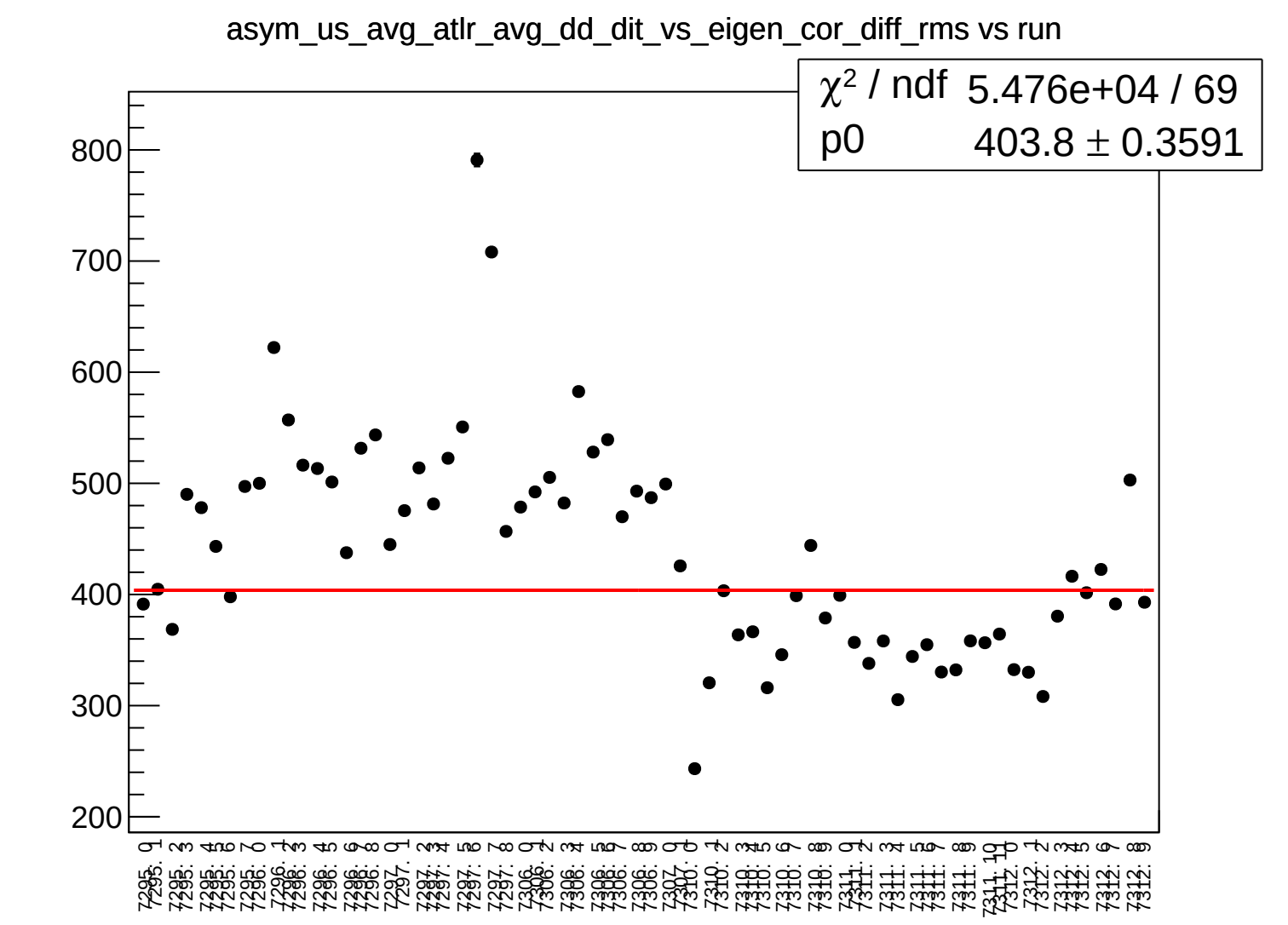

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.69 / 69
p0 0.3579 ± 0.5079
pull
Entries 70
Mean −7.445
Std Dev 45.39

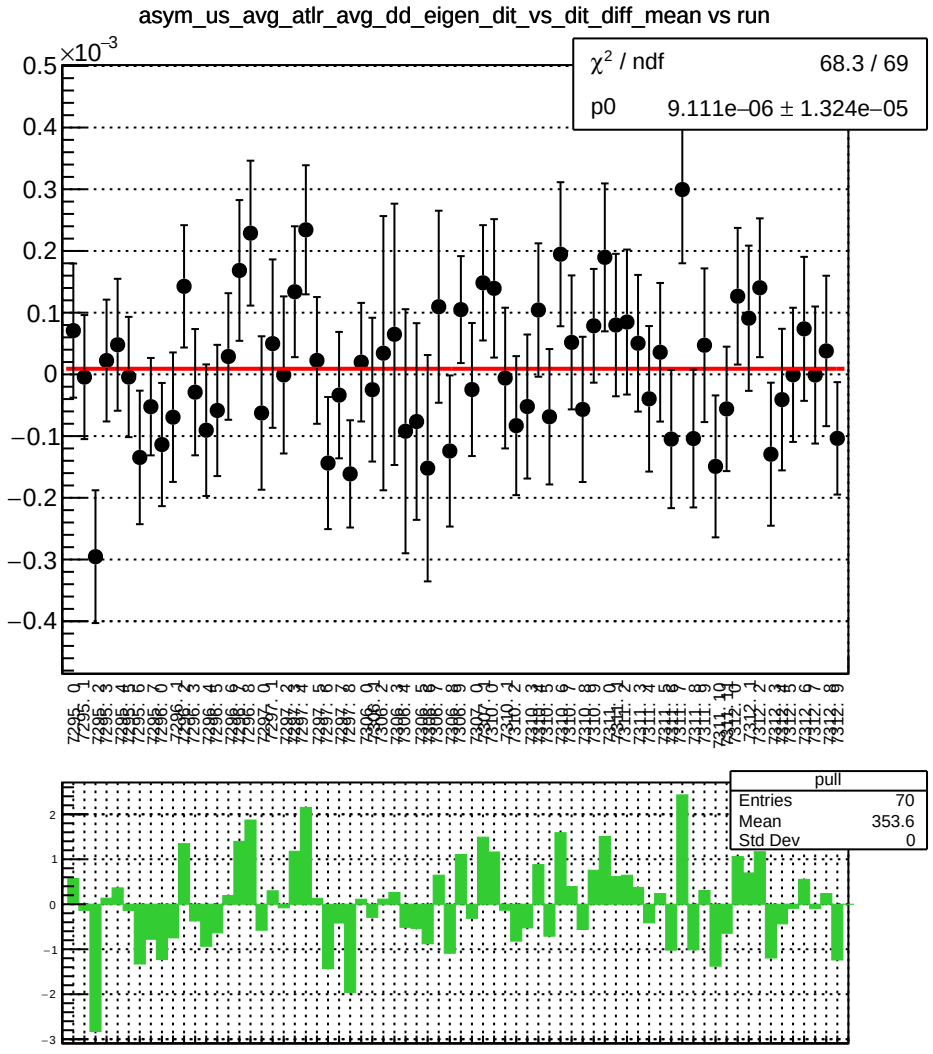

pull1D
Entries 70
Mean −0.01598
Std Dev 0.9905

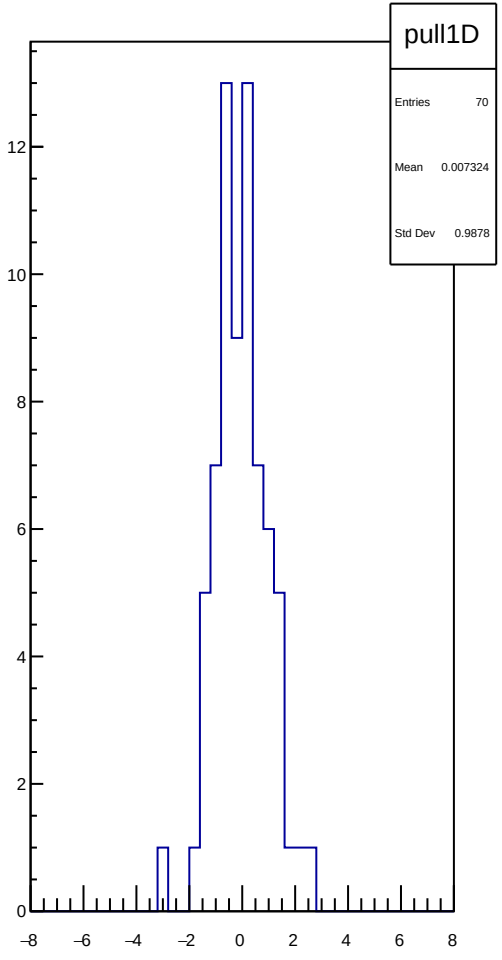

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 69
p0 403.8 ± 0.3591
800
700
600
500
400
300
200

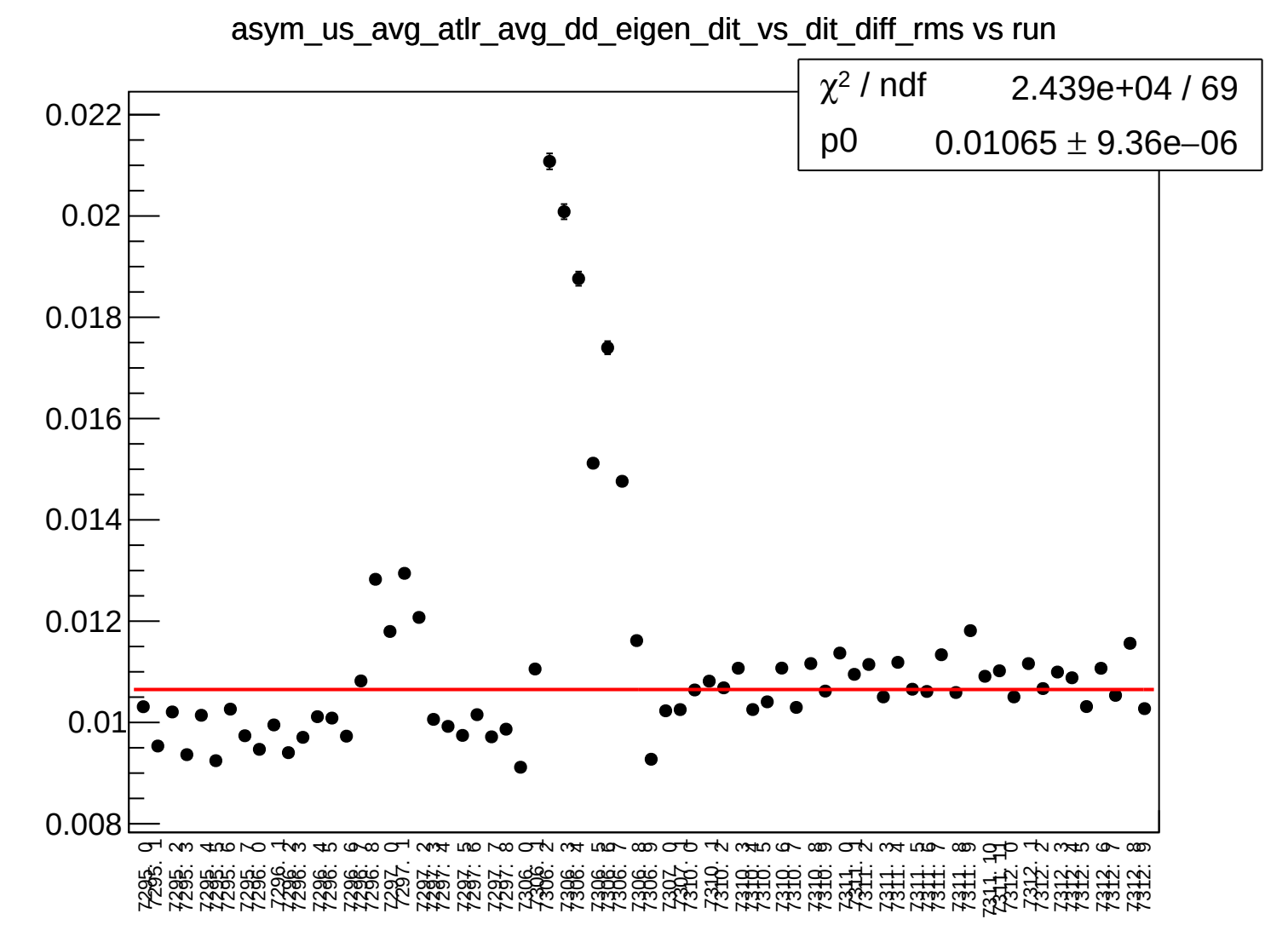

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.69 / 69
p0 0.3579 ± 0.5079
pull
Entries 70
Mean −7.445
Std Dev 45.39

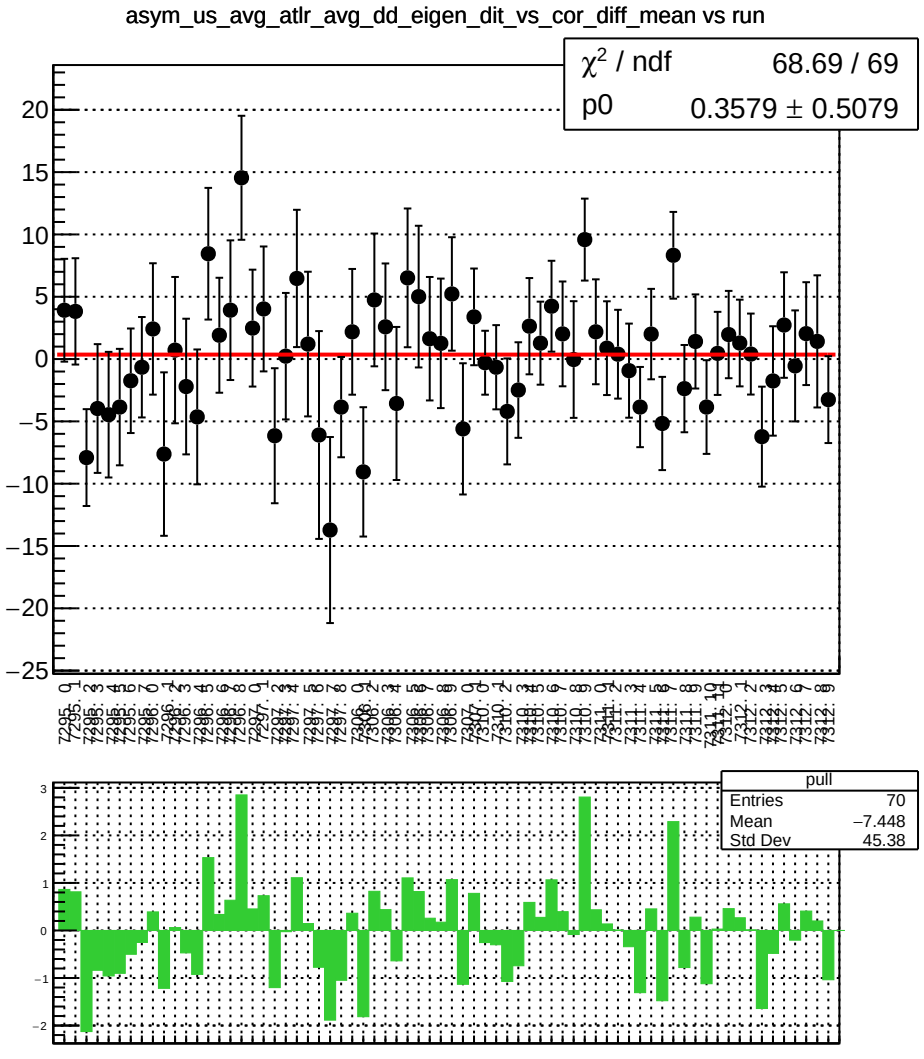

pull1D
Entries 70
Mean −0.01598
Std Dev 0.9905

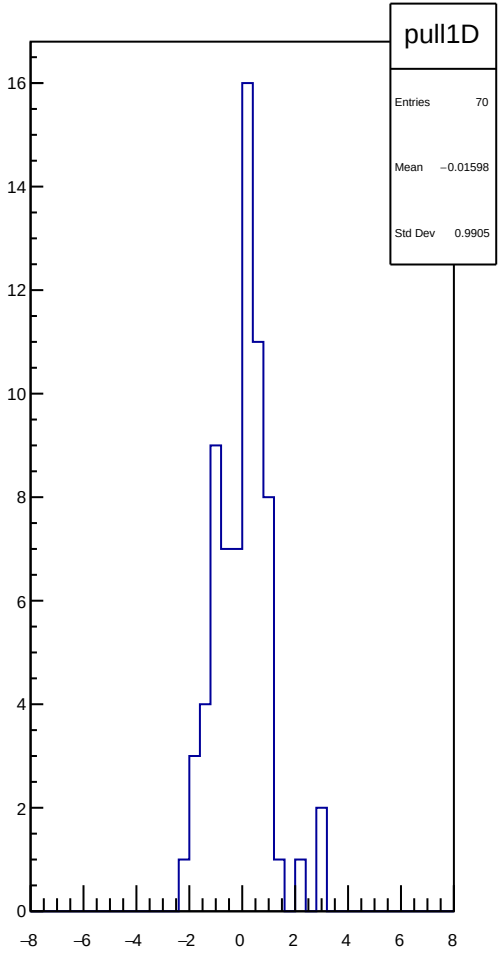

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 69
p0 403.8 ± 0.3591
800
700
600
500
400
300
200

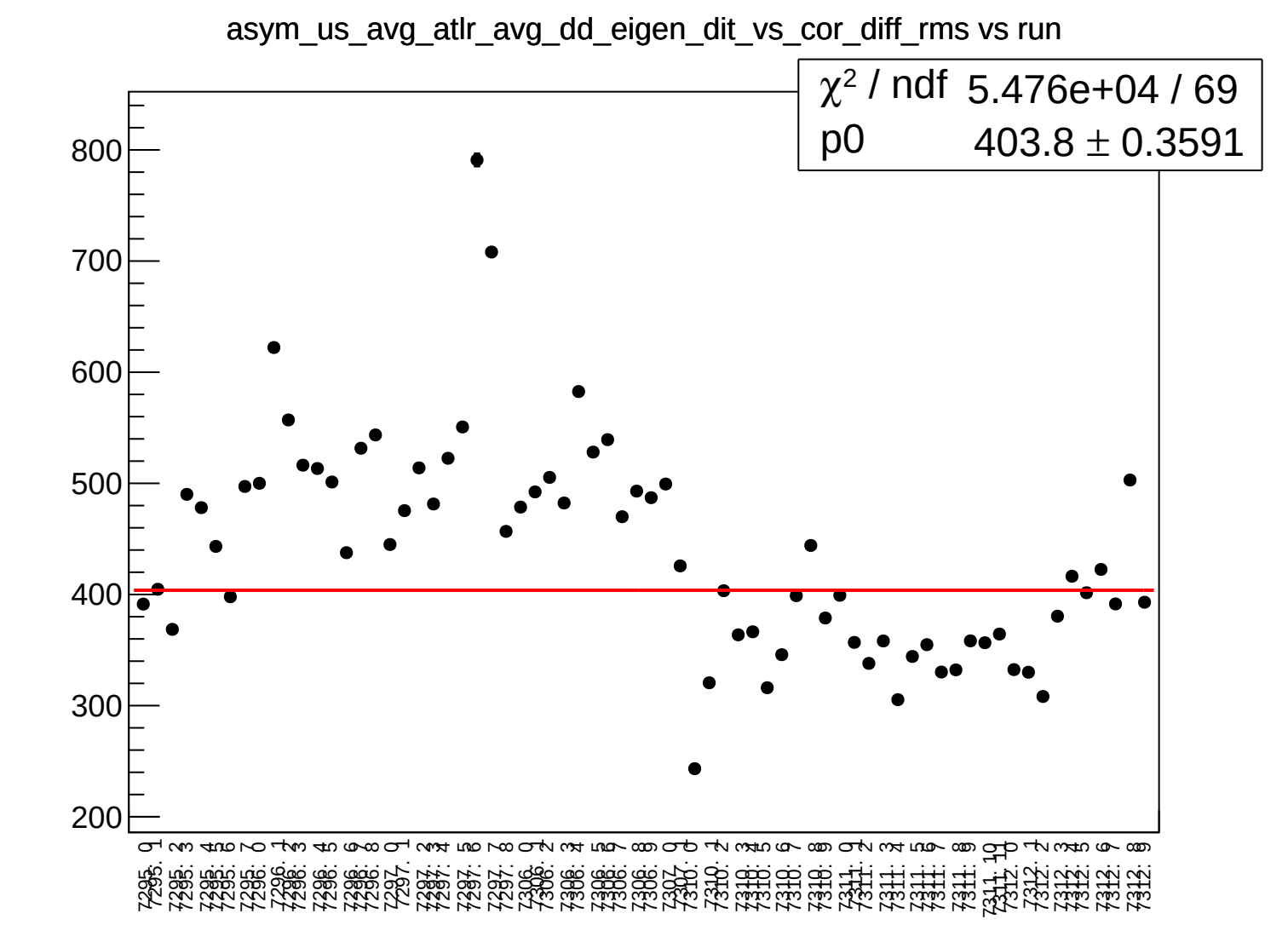

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.3 / 69
p0 9.111e−06 ± 1.324e−05
pull
Entries 70
Mean 353.6
Std Dev 0

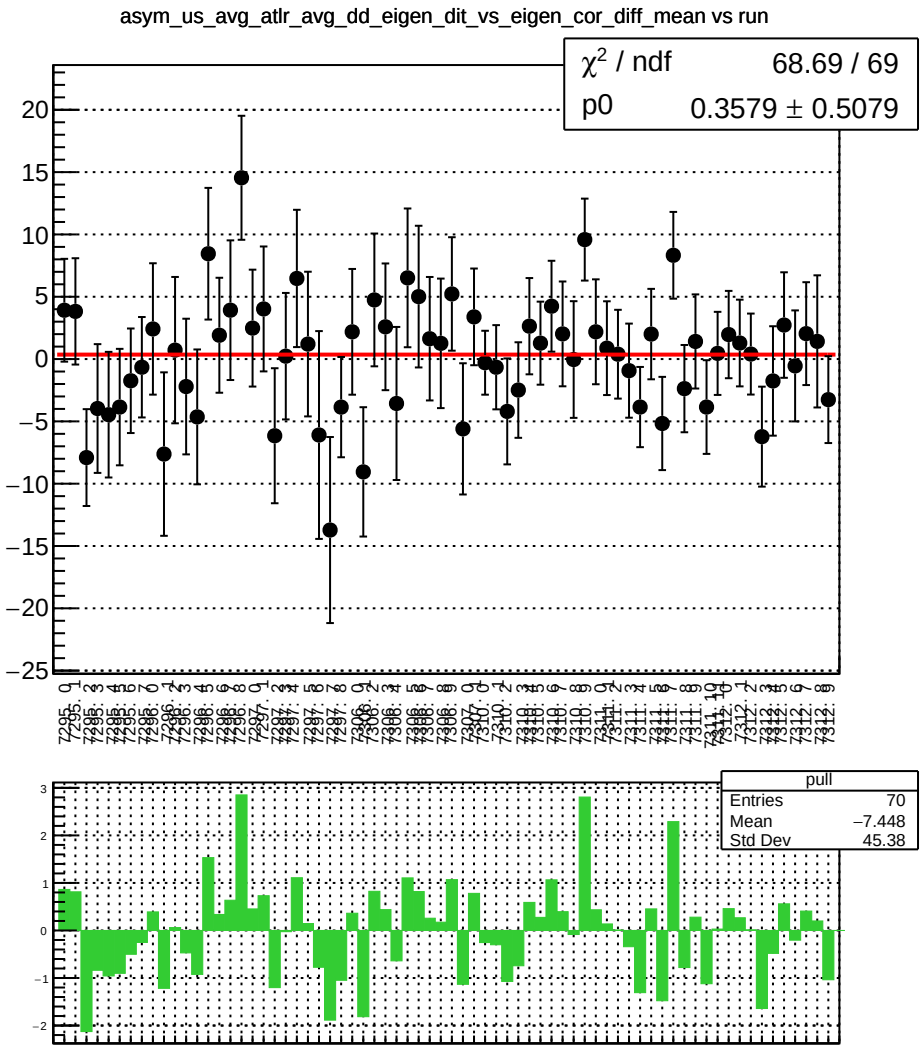

pull1D
Entries 70
Mean 0.007324
Std Dev 0.9878

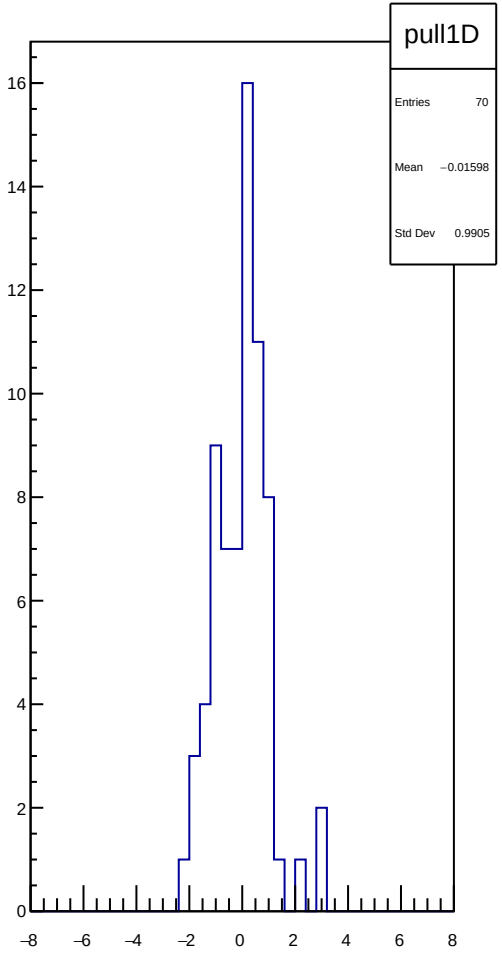

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.439e+04 / 69
p0 0.01065 ± 9.36e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

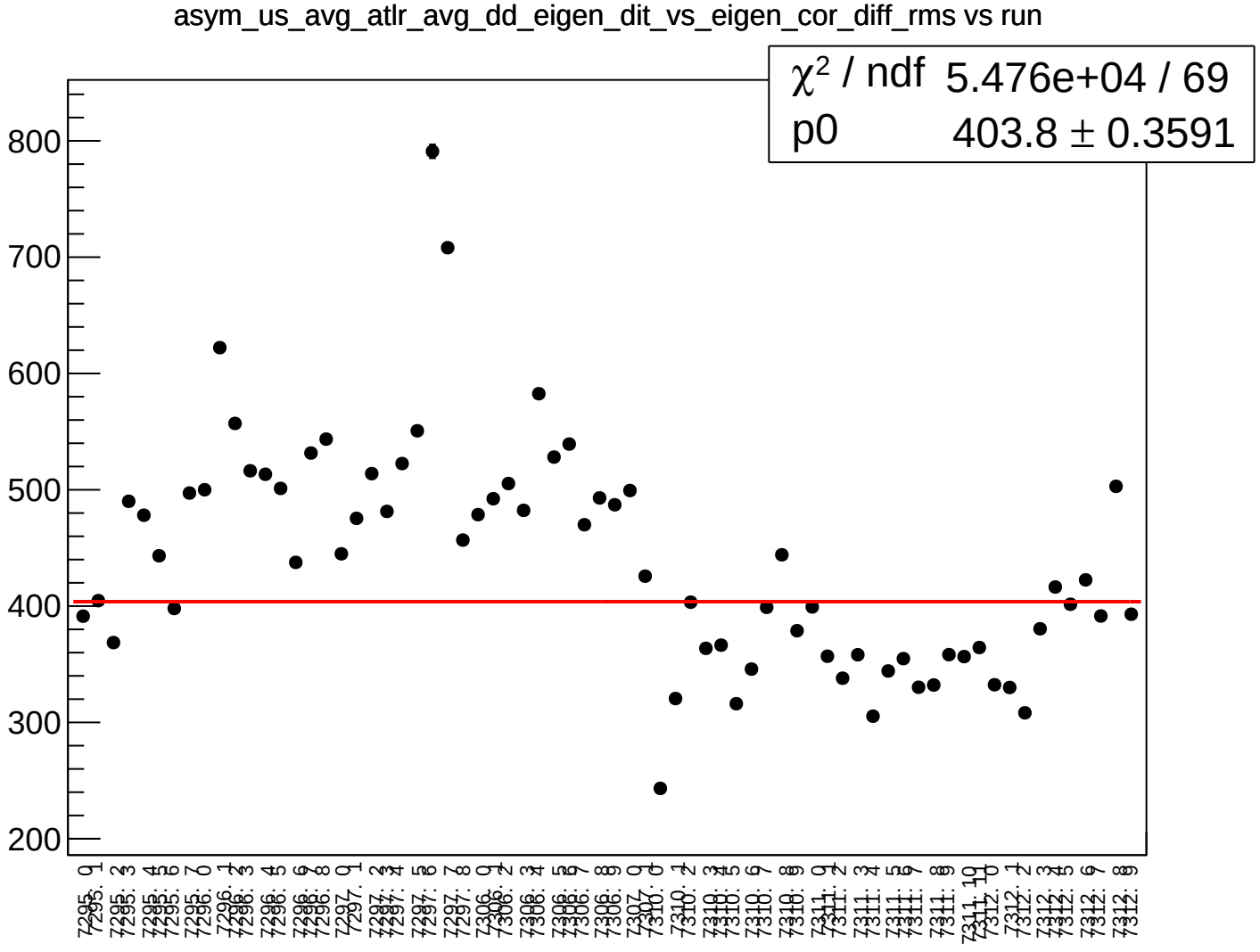

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.69 / 69
p0 0.3579 ± 0.5079
pull
Entries 70
Mean −7.448
Std Dev 45.38

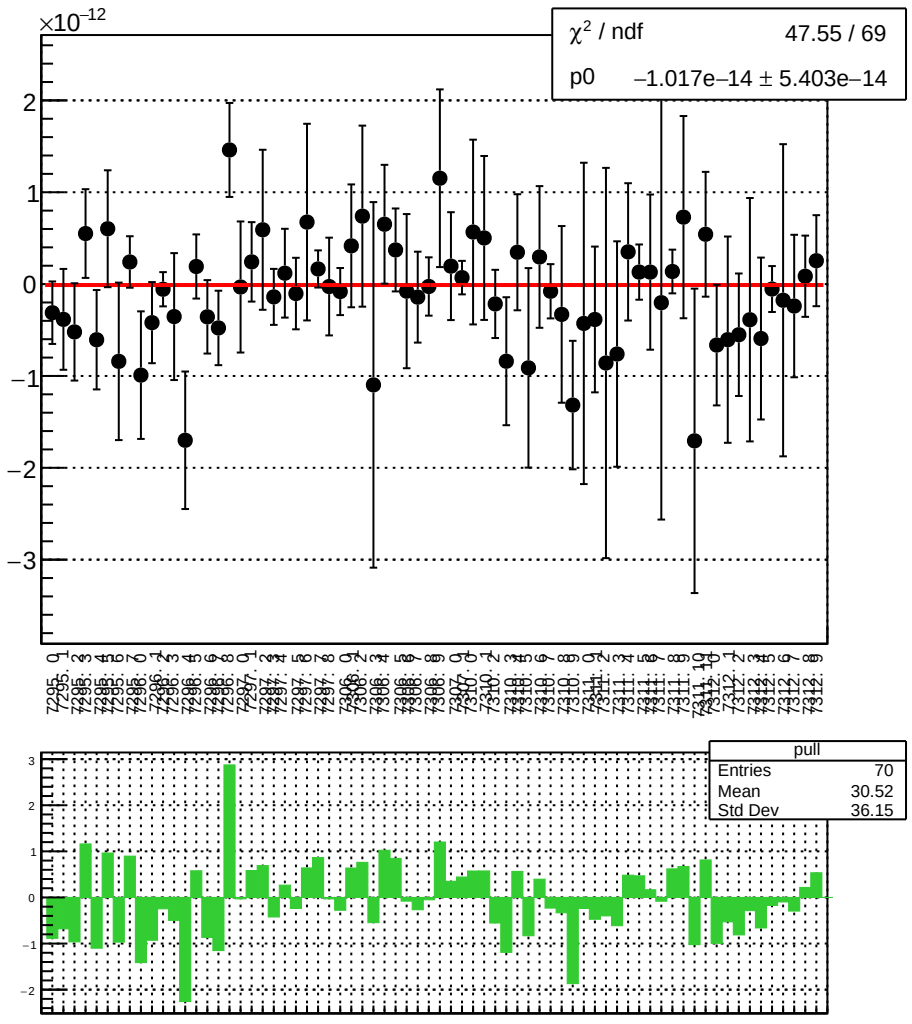

pull1D
Entries 70
Mean −0.01598
Std Dev 0.9905

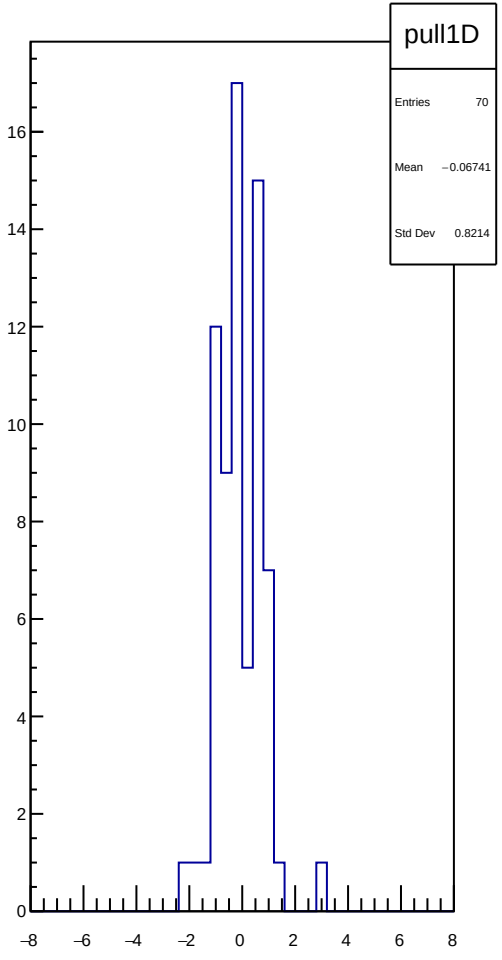

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 69
p0 403.8 ± 0.3591
800
700
600
500
400
300
200

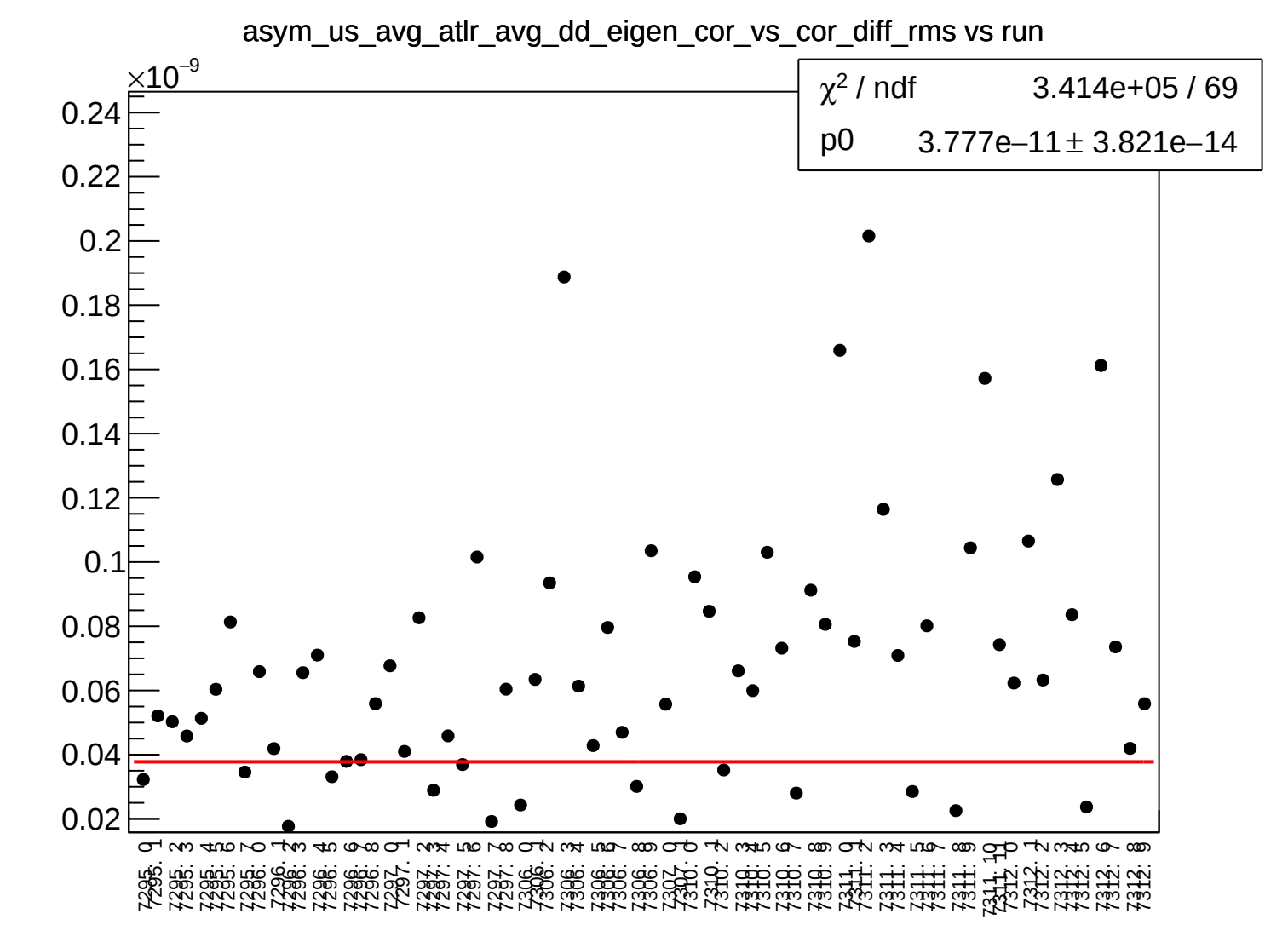

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.69 / 69
p0 0.3579 ± 0.5079
pull
Entries 70
Mean −7.448
Std Dev 45.38

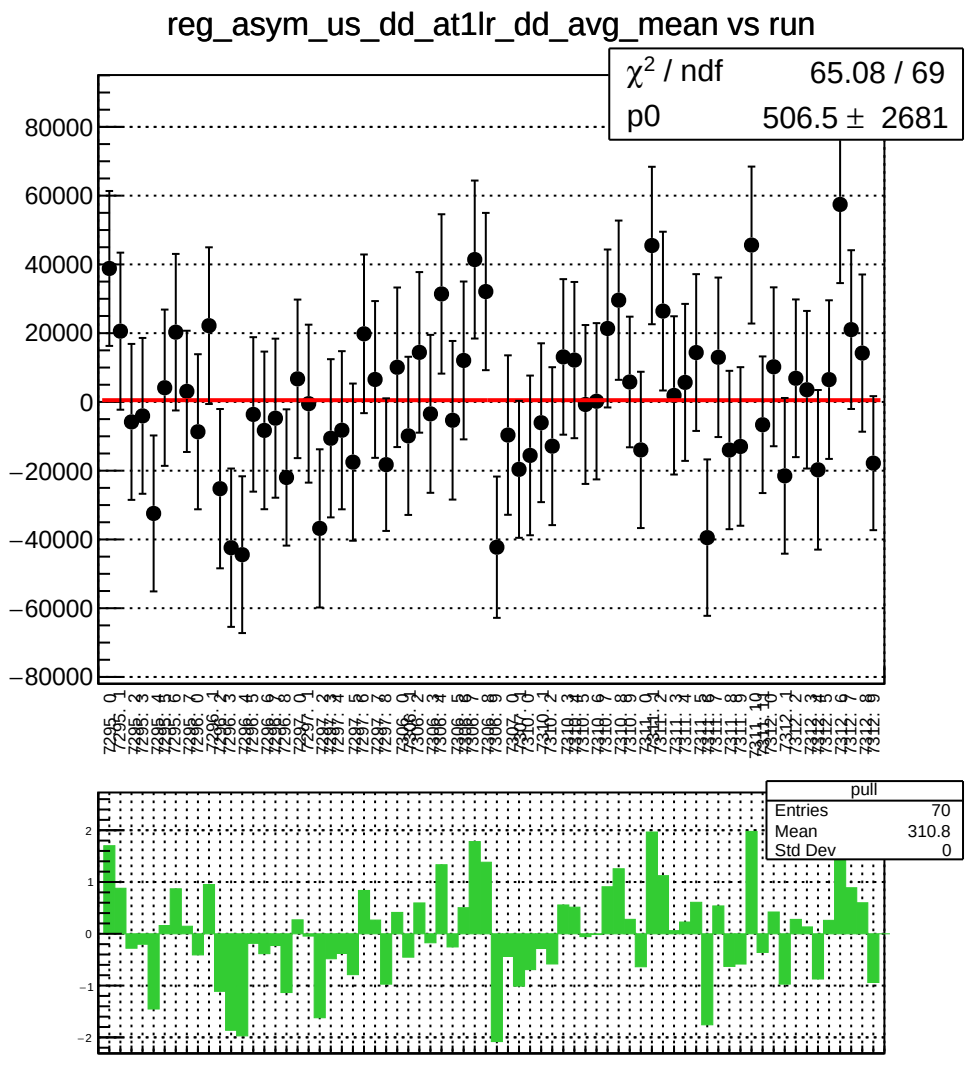

pull1D
Entries 70
Mean −0.01598
Std Dev 0.9905

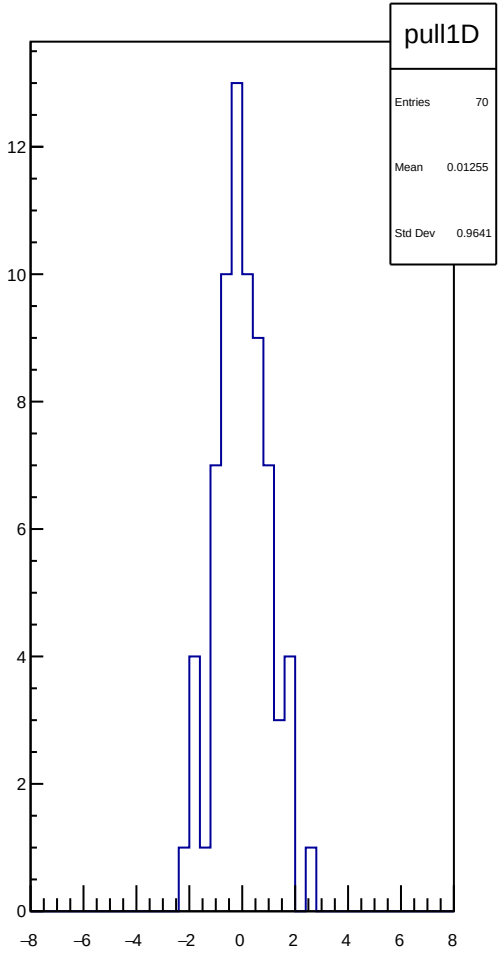

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 69
p0 403.8 ± 0.3591
800
700
600
500
400
300
200

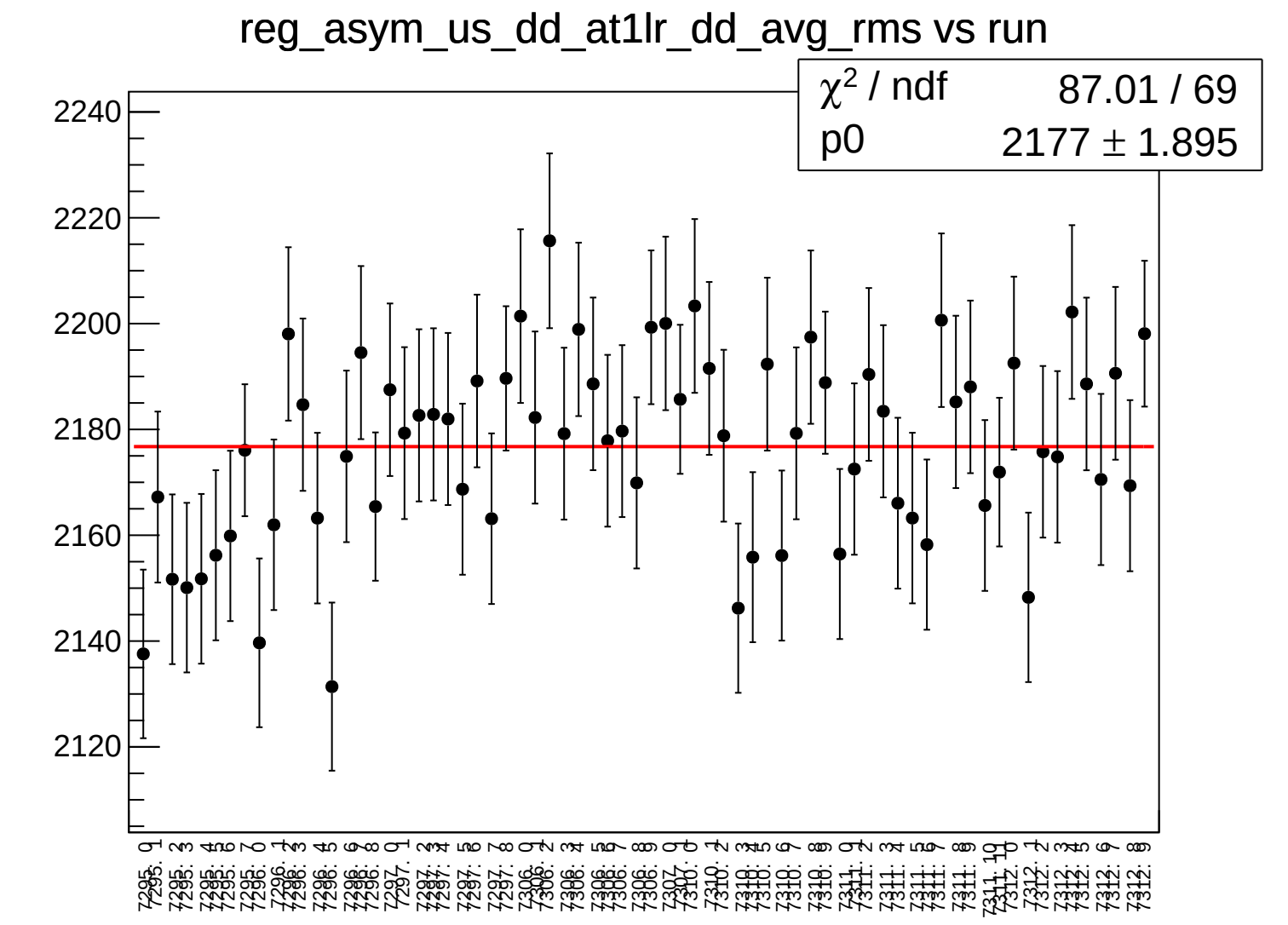

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.55 / 69
p0 −1.017e−14 ± 5.403e−14
pull
Entries 70
Mean 30.52
Std Dev 36.15

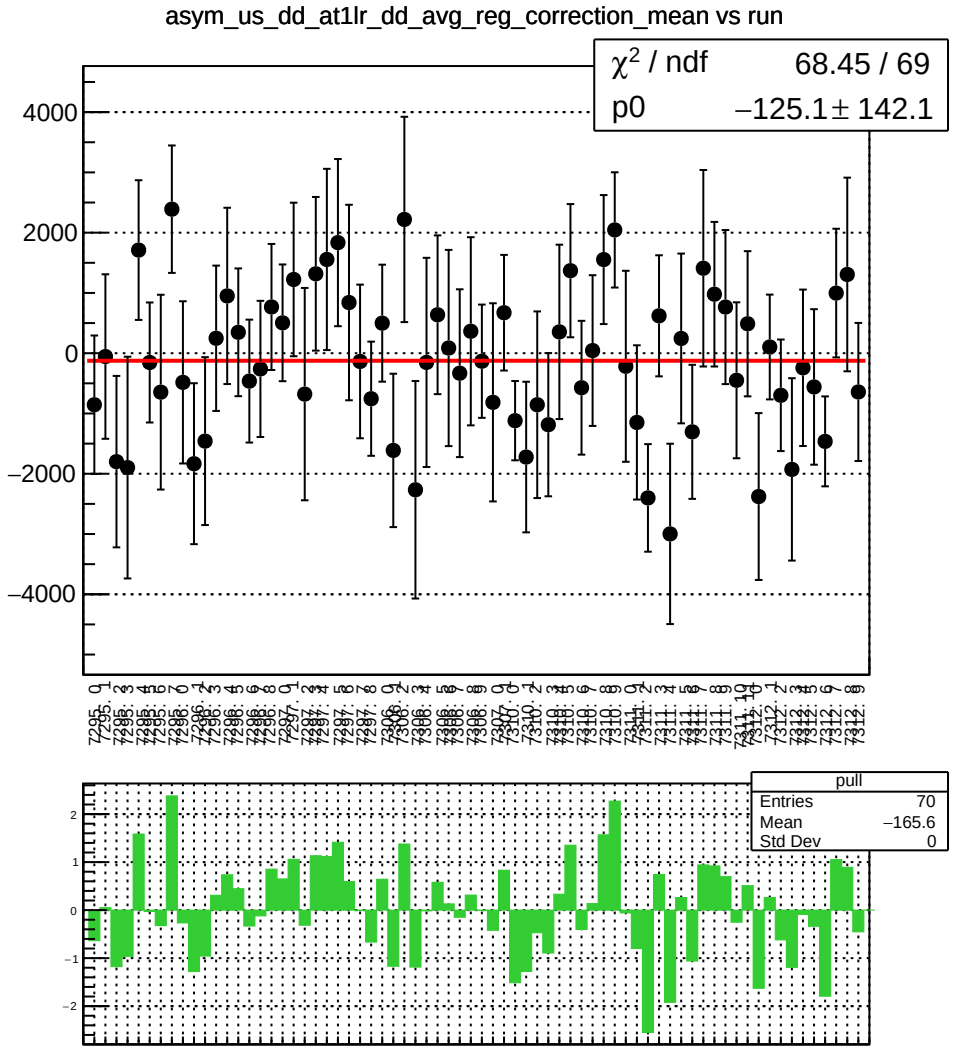

pull1D
Entries 70
Mean −0.06741
Std Dev 0.8214

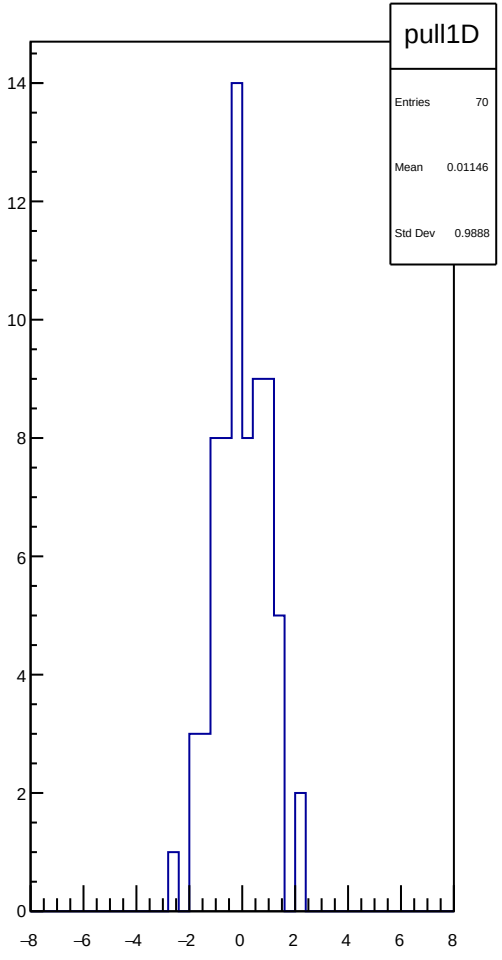

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.414e+05 / 69
p0 3.777e−11 ± 3.821e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

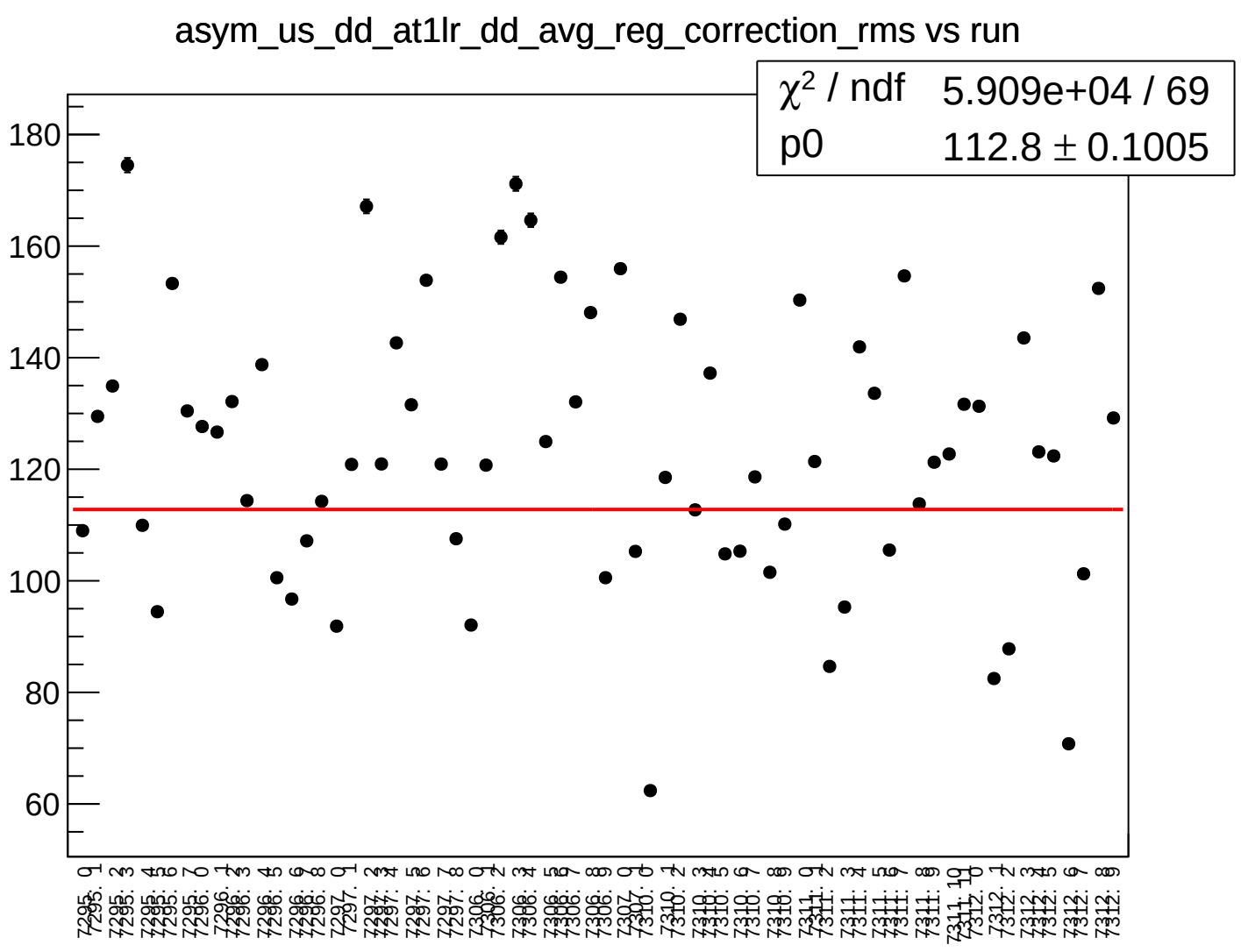

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ^2 / ndf 65.08 / 69
p0 506.5 ± 2681
pull
Entries 70
Mean 310.8
Std Dev 0

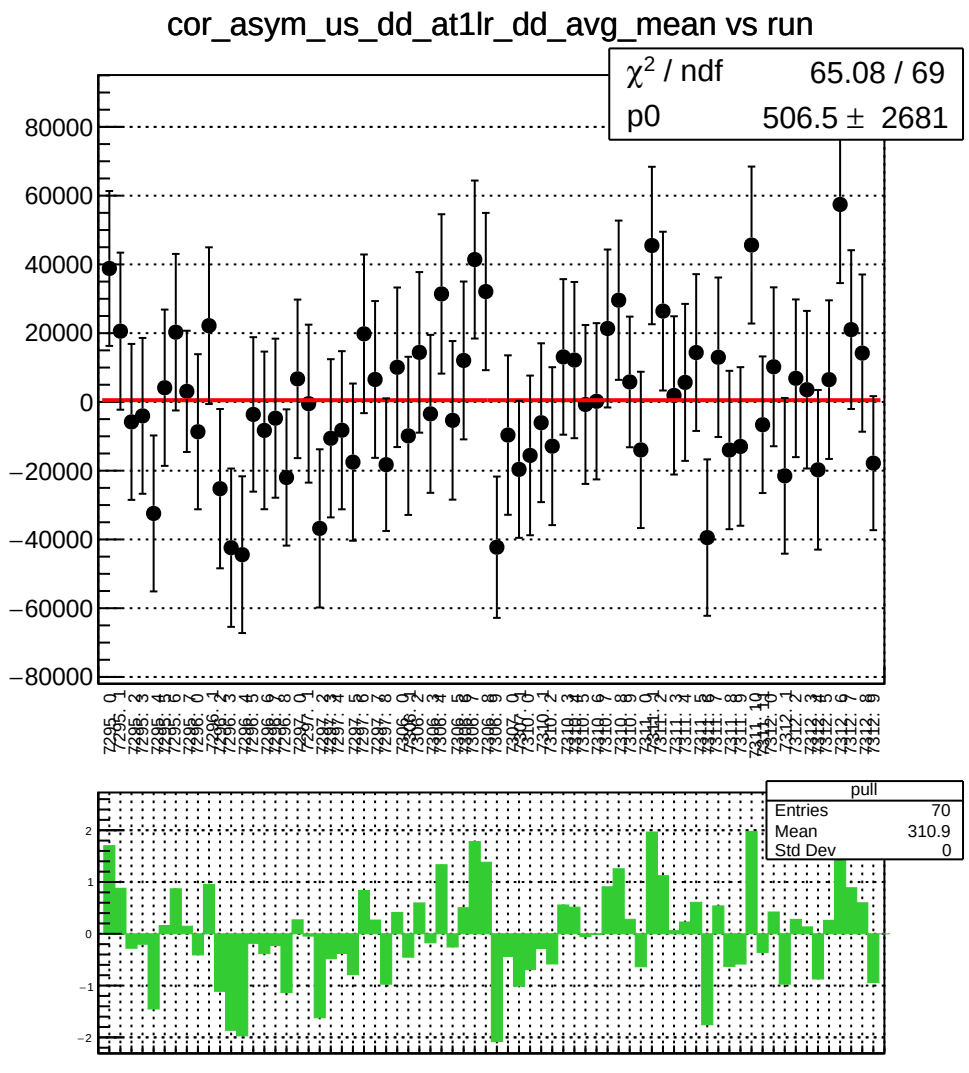

pull1D
Entries 70
Mean 0.01255
Std Dev 0.9641

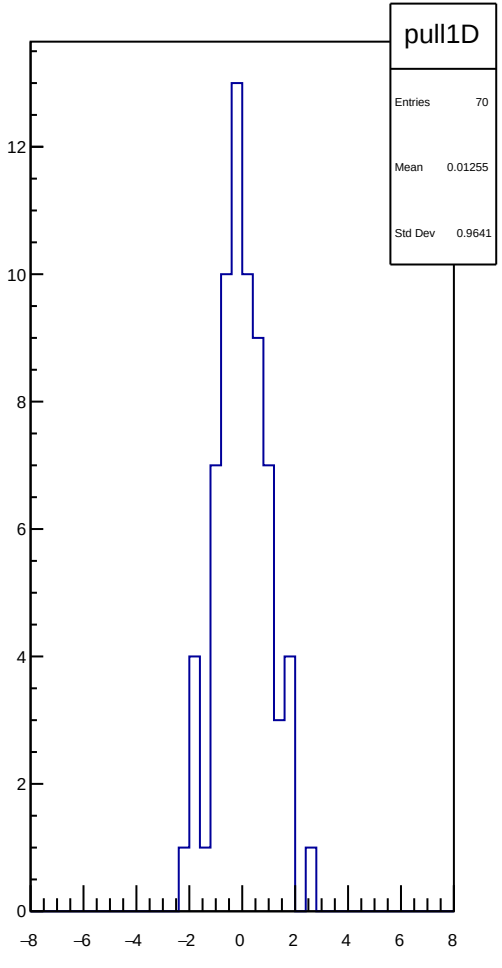

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 87.01 / 69
p0 2177 ± 1.895
2240
2220
2200
2180
2160
2140
2120

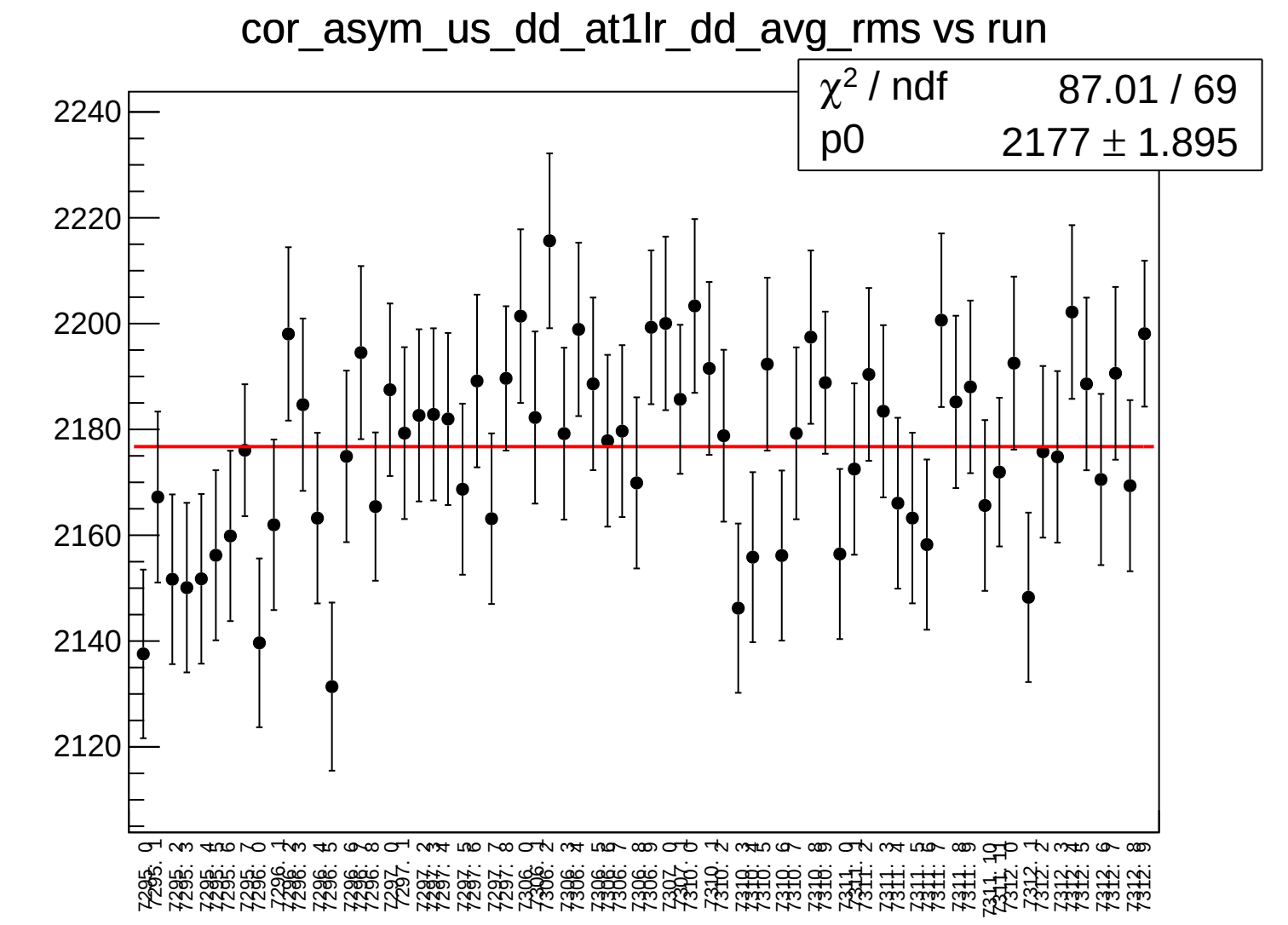

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 68.45 / 69
p0 −125.1 ± 142.1
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −165.6
Std Dev 0
2
1
0
−1
−2

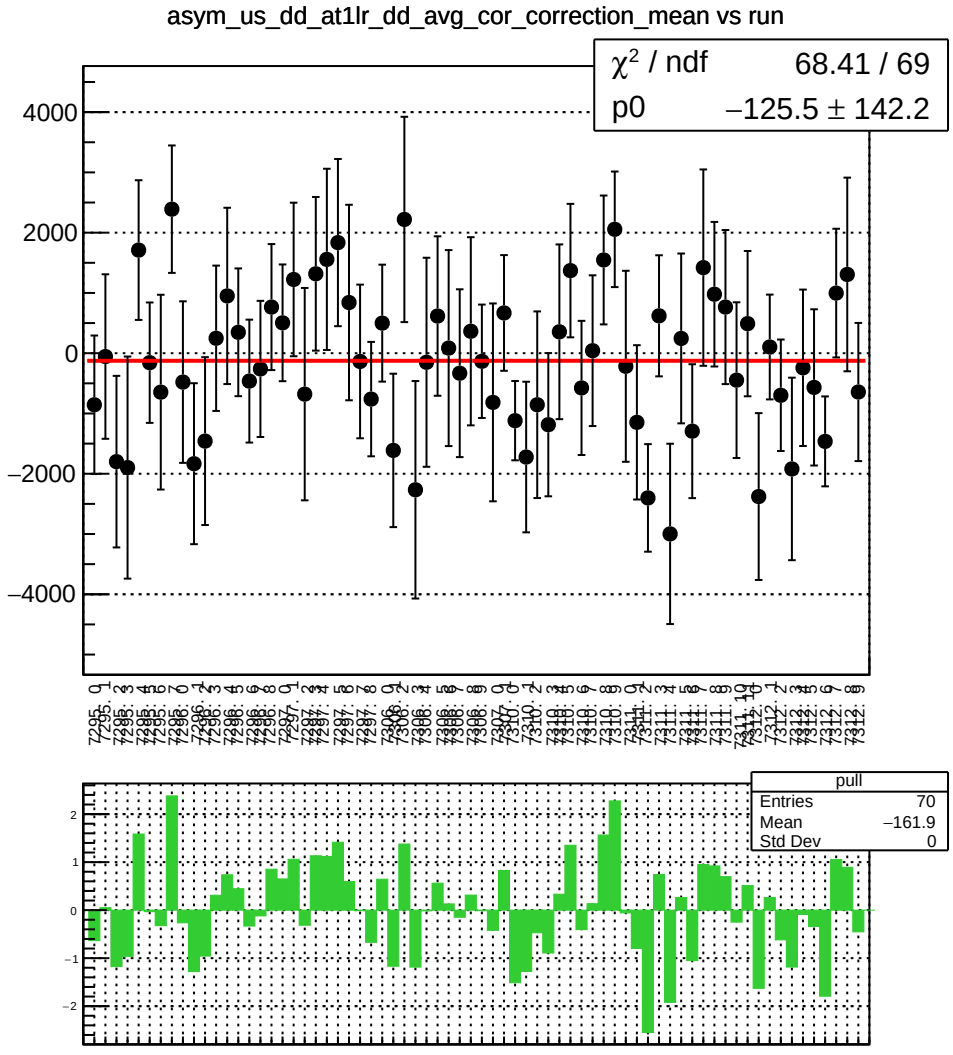

pull1D
Entries 70
Mean 0.01146
Std Dev 0.9888
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

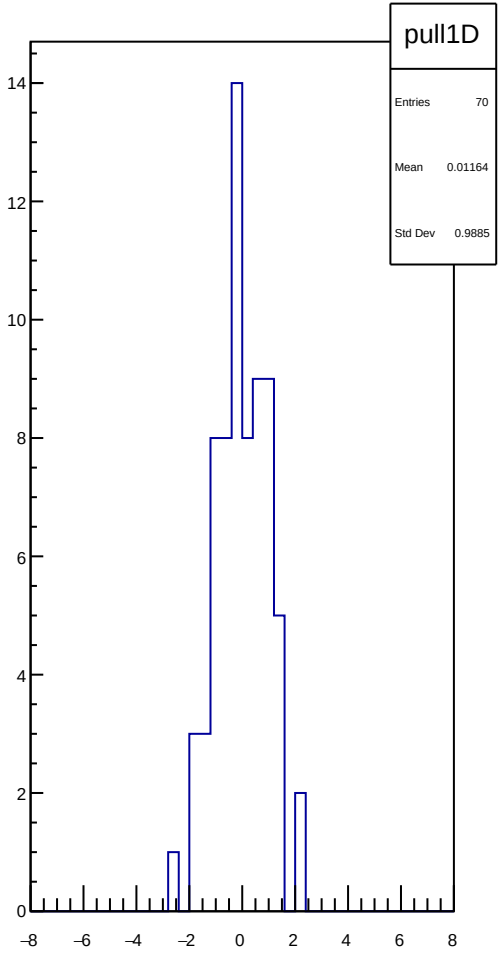

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5.909e+04 / 69
p0 112.8 ± 0.1005
180
160
140
120
100
80
60

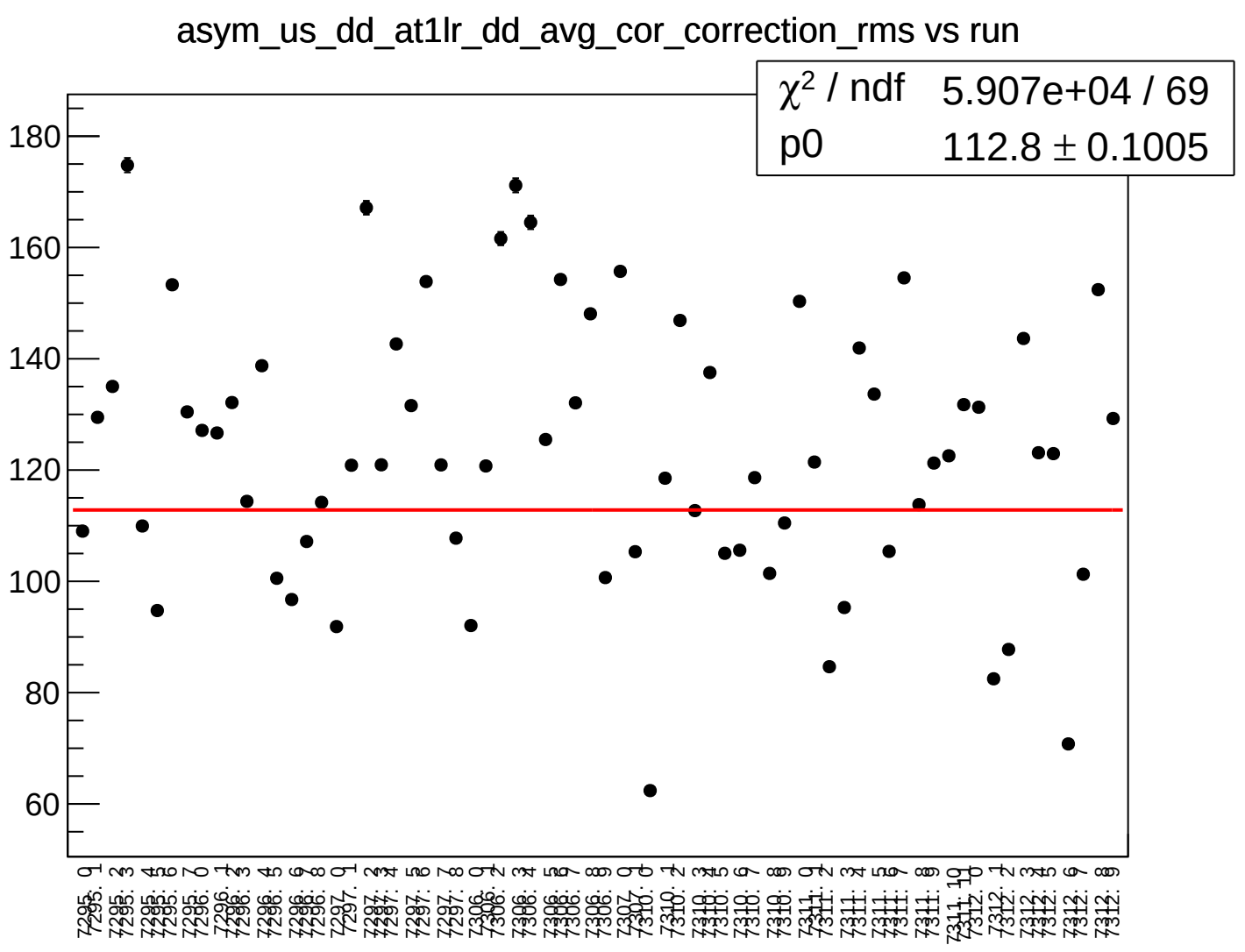

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ^2 / ndf 65.08 / 69
p0 506.5 ± 2681
pull
Entries 70
Mean 310.9
Std Dev 0

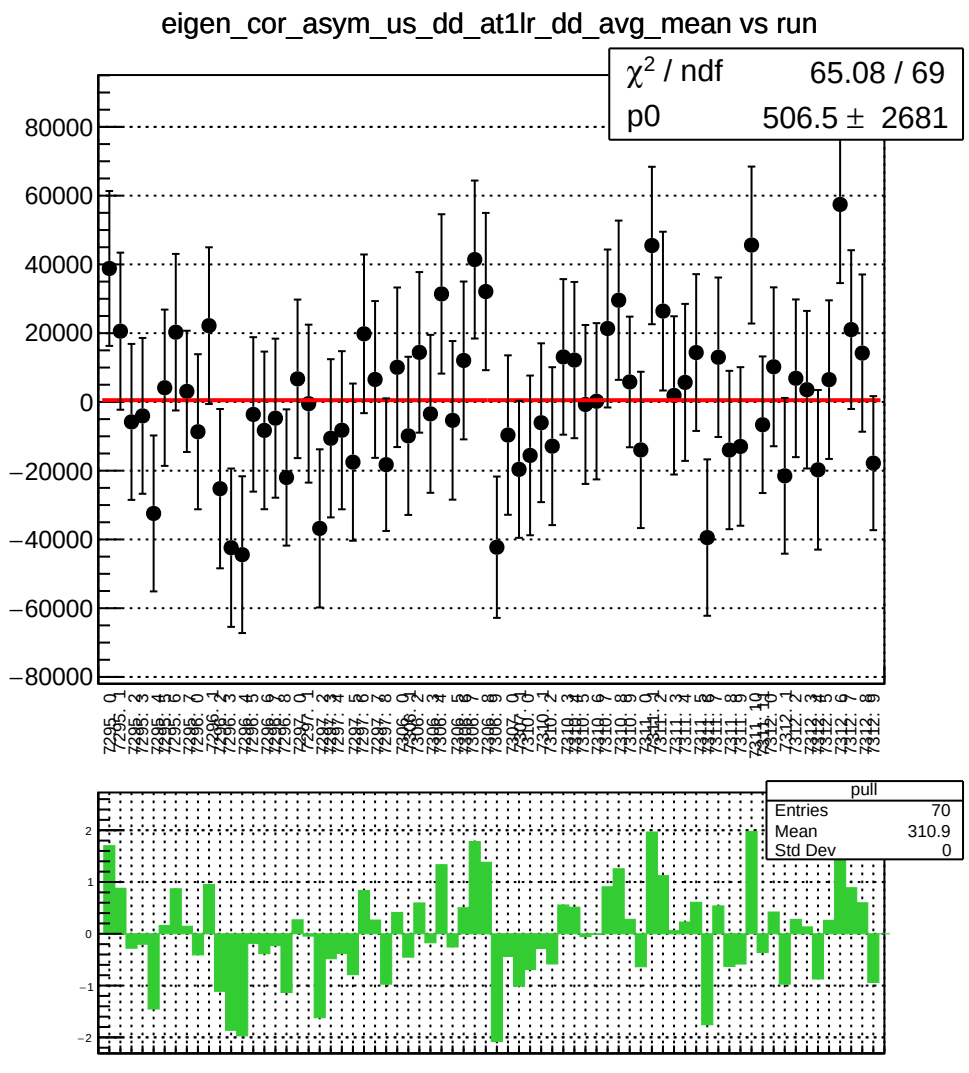

pull1D
Entries 70
Mean 0.01255
Std Dev 0.9641

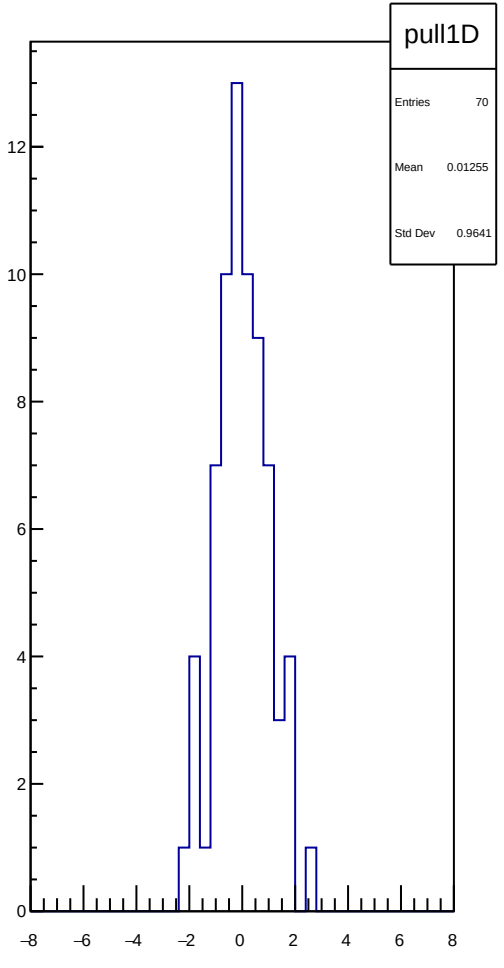

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 87.01 / 69
p0 2177 ± 1.895
2240
2220
2200
2180
2160
2140
2120

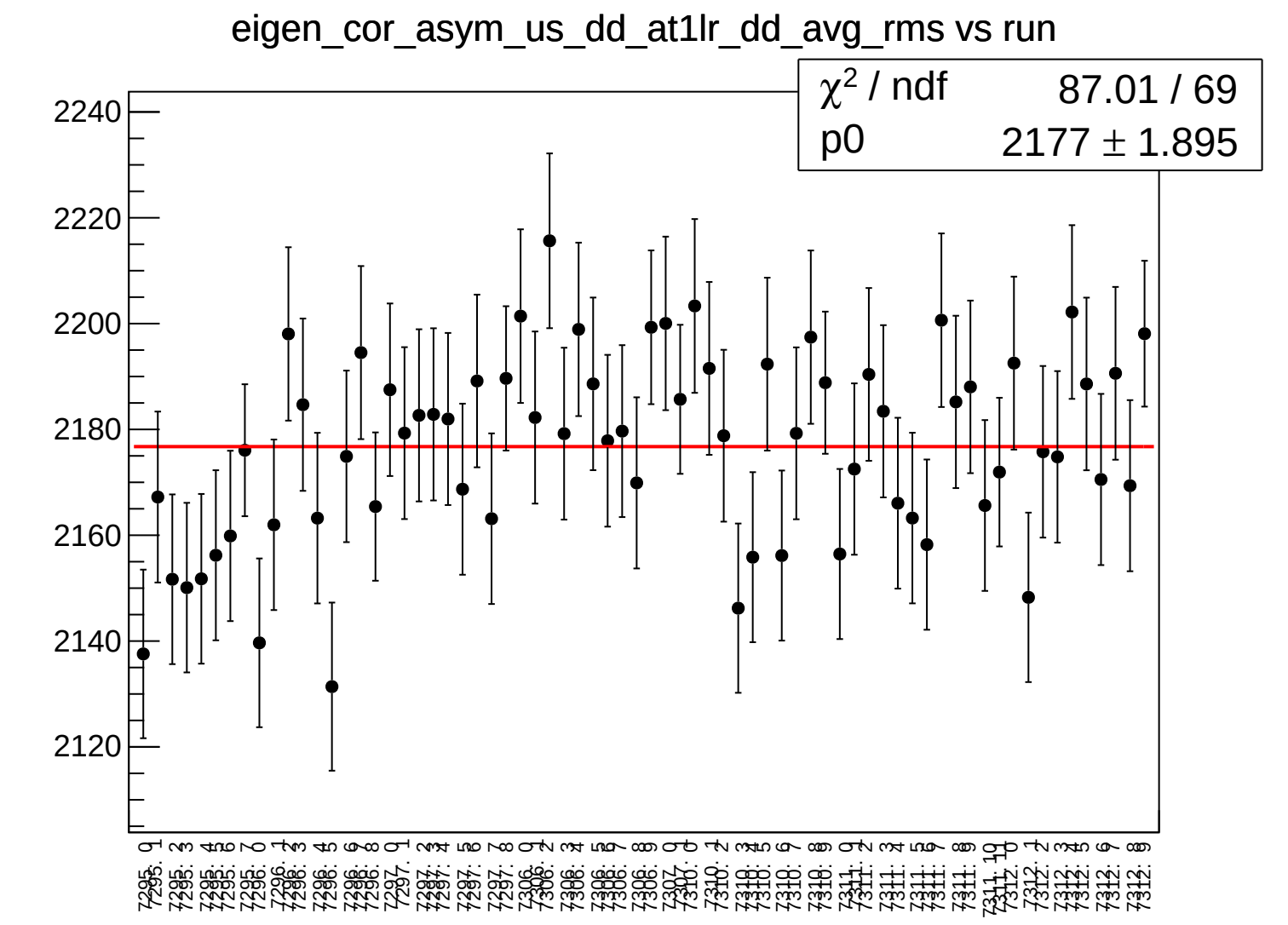

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 68.41 / 69
p0 −125.5 ± 142.2
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −161.9
Std Dev 0
2
1
0
−1
−2

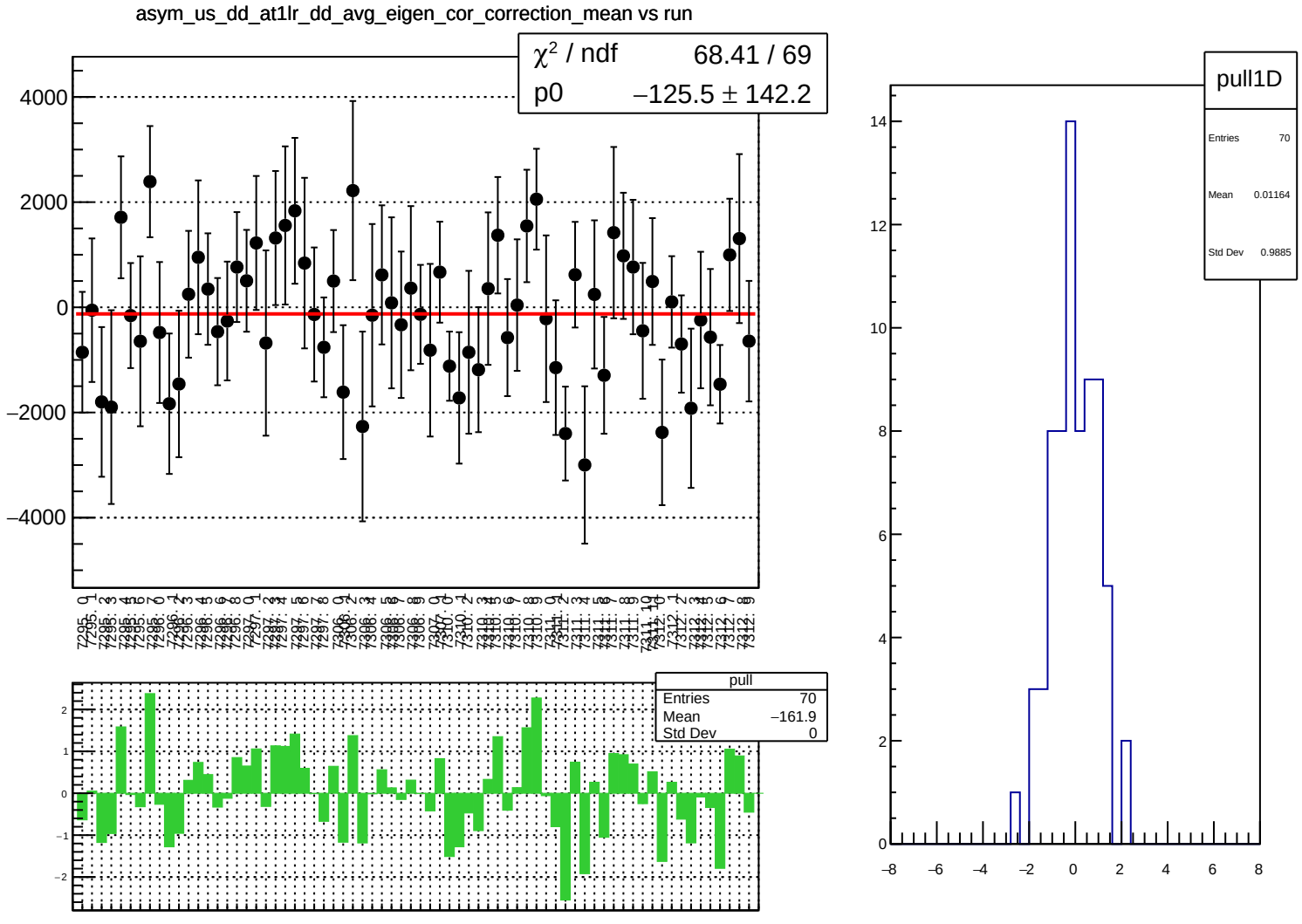

pull1D
Entries 70
Mean 0.01164
Std Dev 0.9885
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

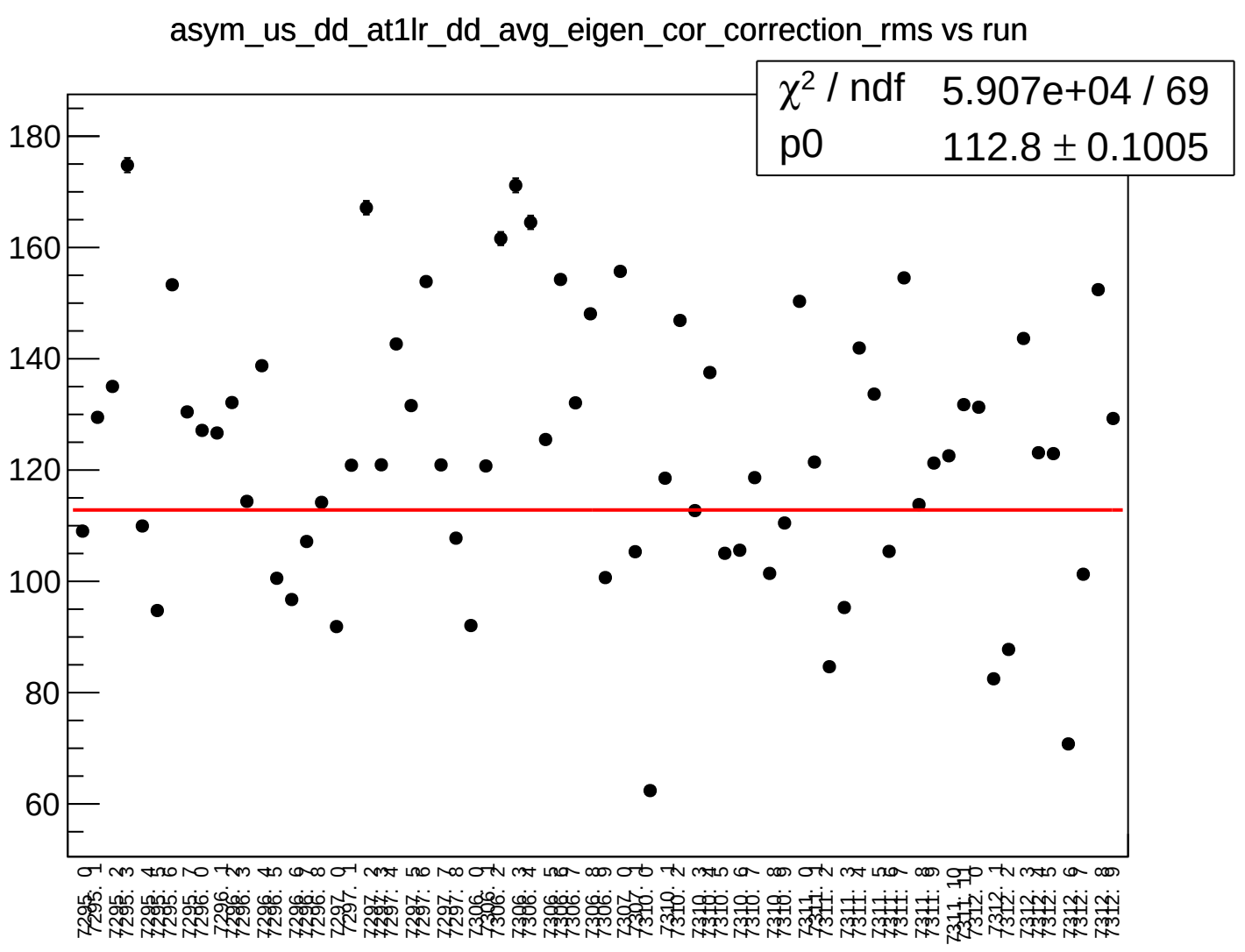

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5.907e+04 / 69
p0 112.8 ± 0.1005
180
160
140
120
100
80
60

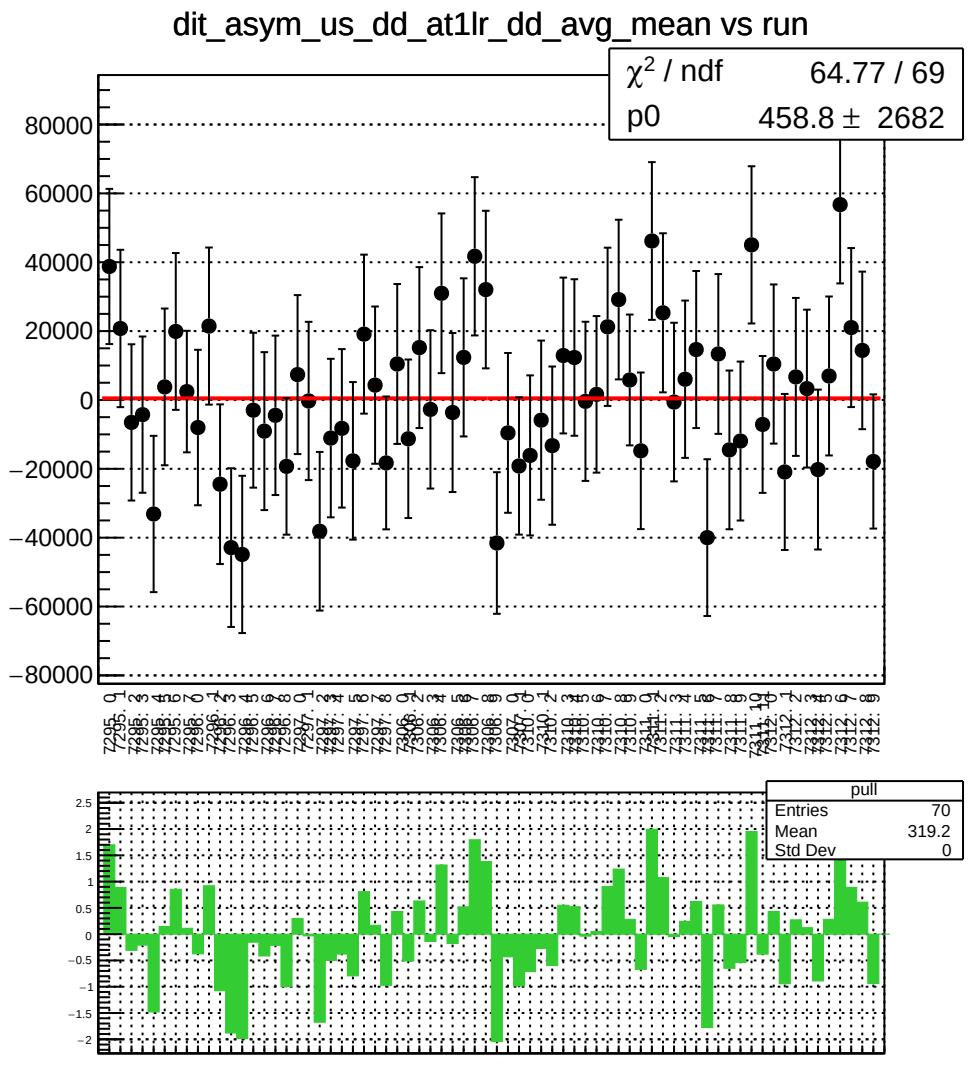

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 65.08 / 69
p0 506.5 ± 2681
pull
Entries 70
Mean 310.9
Std Dev 0

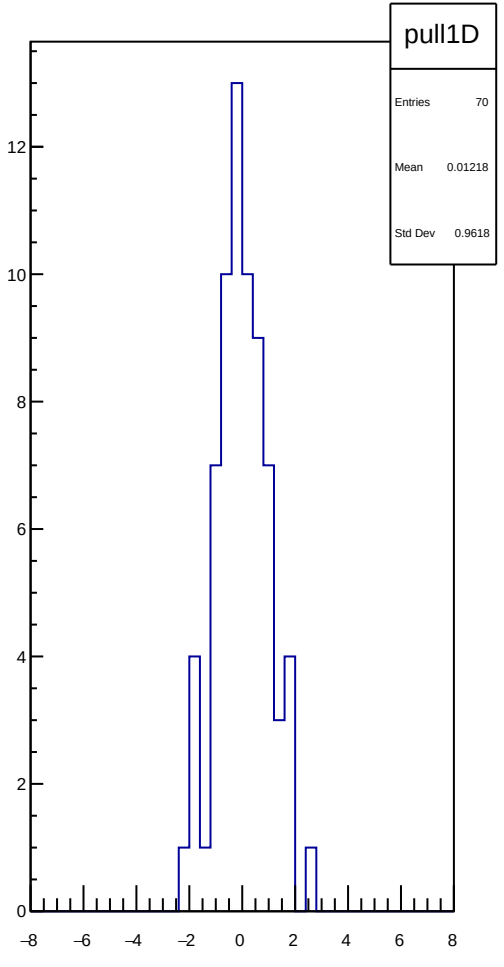

pull1D
Entries 70
Mean 0.01255
Std Dev 0.9641

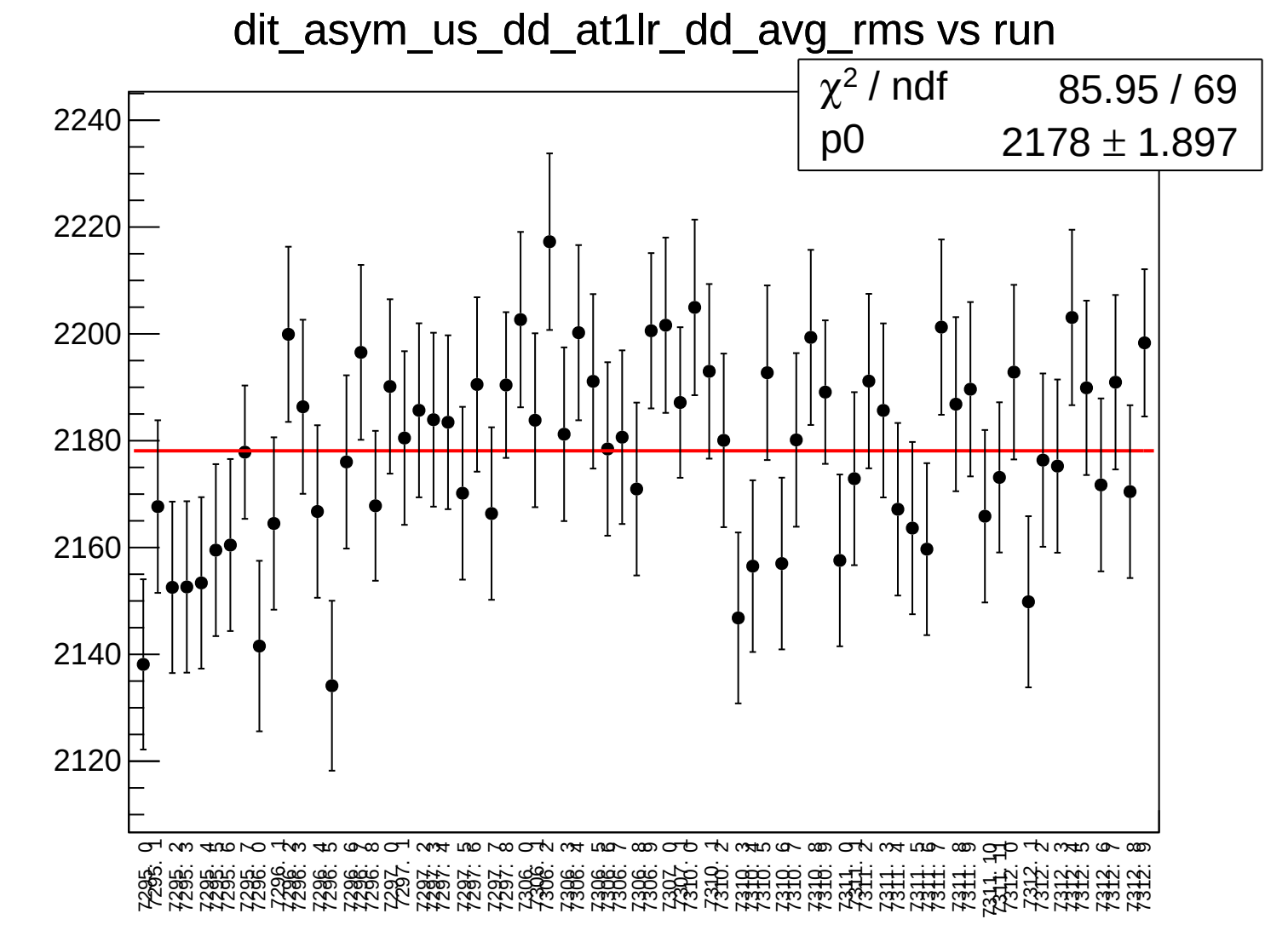

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 87.01 / 69
p0 2177 ± 1.895
2240
2220
2200
2180
2160
2140
2120

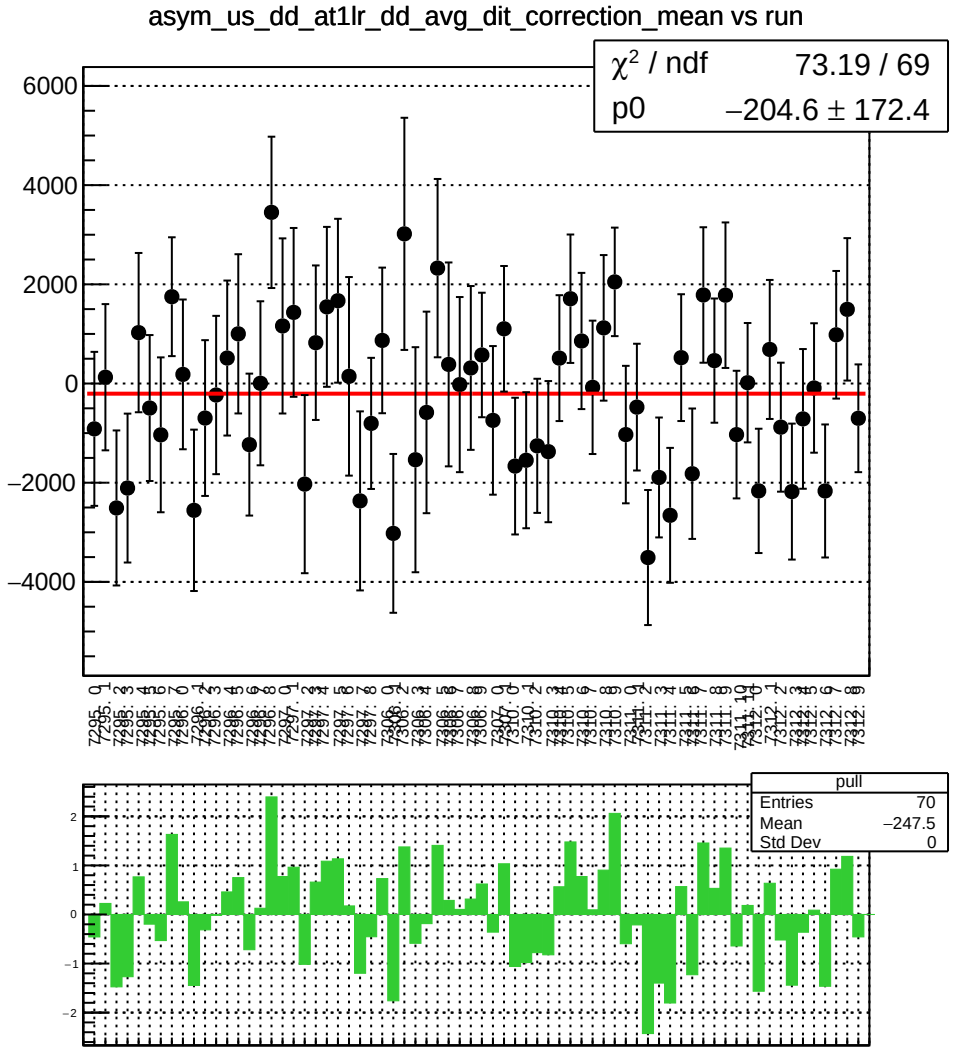

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.41 / 69
p0 −125.5 ± 142.2
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −161.9
Std Dev 0
pull1D
Entries 70
Mean 0.01164
Std Dev 0.9885

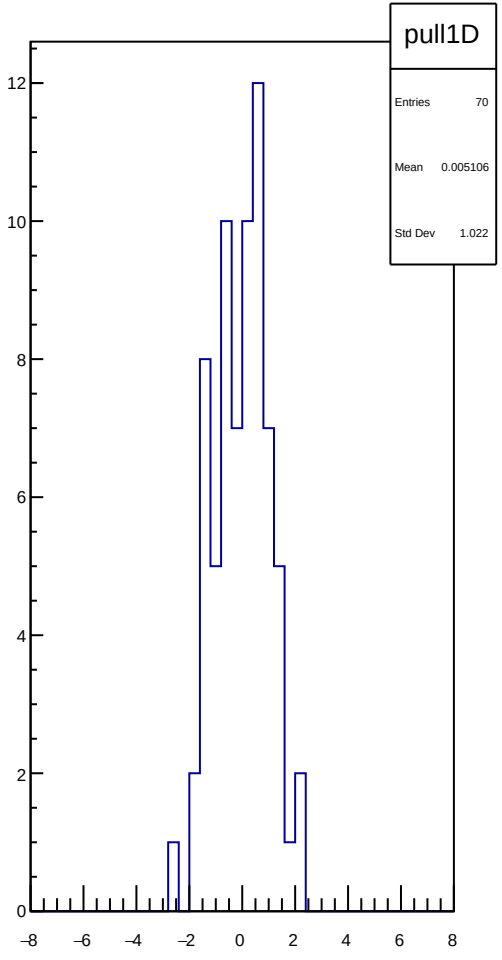

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.907e+04 / 69
p0 112.8 ± 0.1005
180
160
140
120
100
80
60

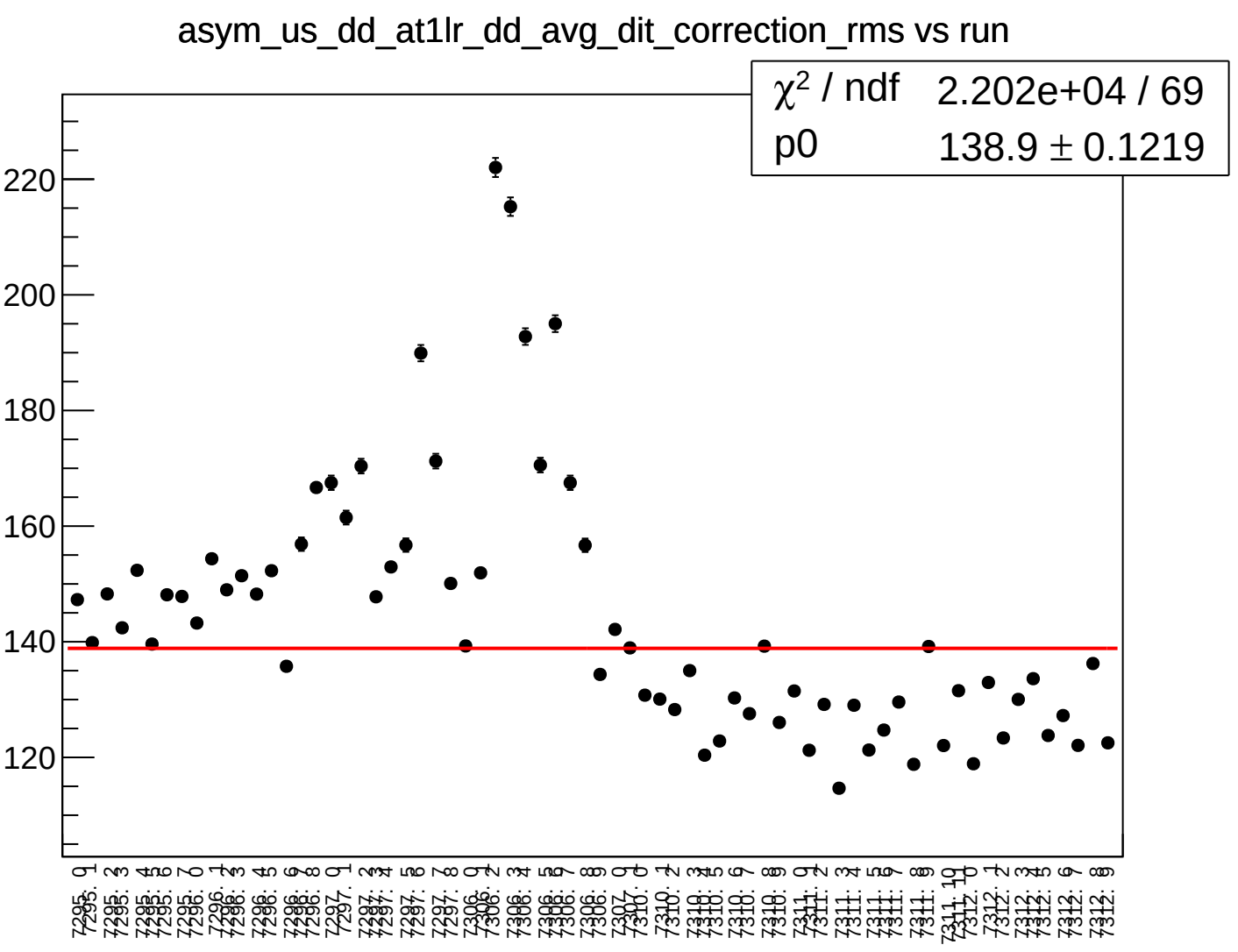

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 64.77 / 69
p0 458.8 ± 2682
pull
Entries 70
Mean 319.2
Std Dev 0

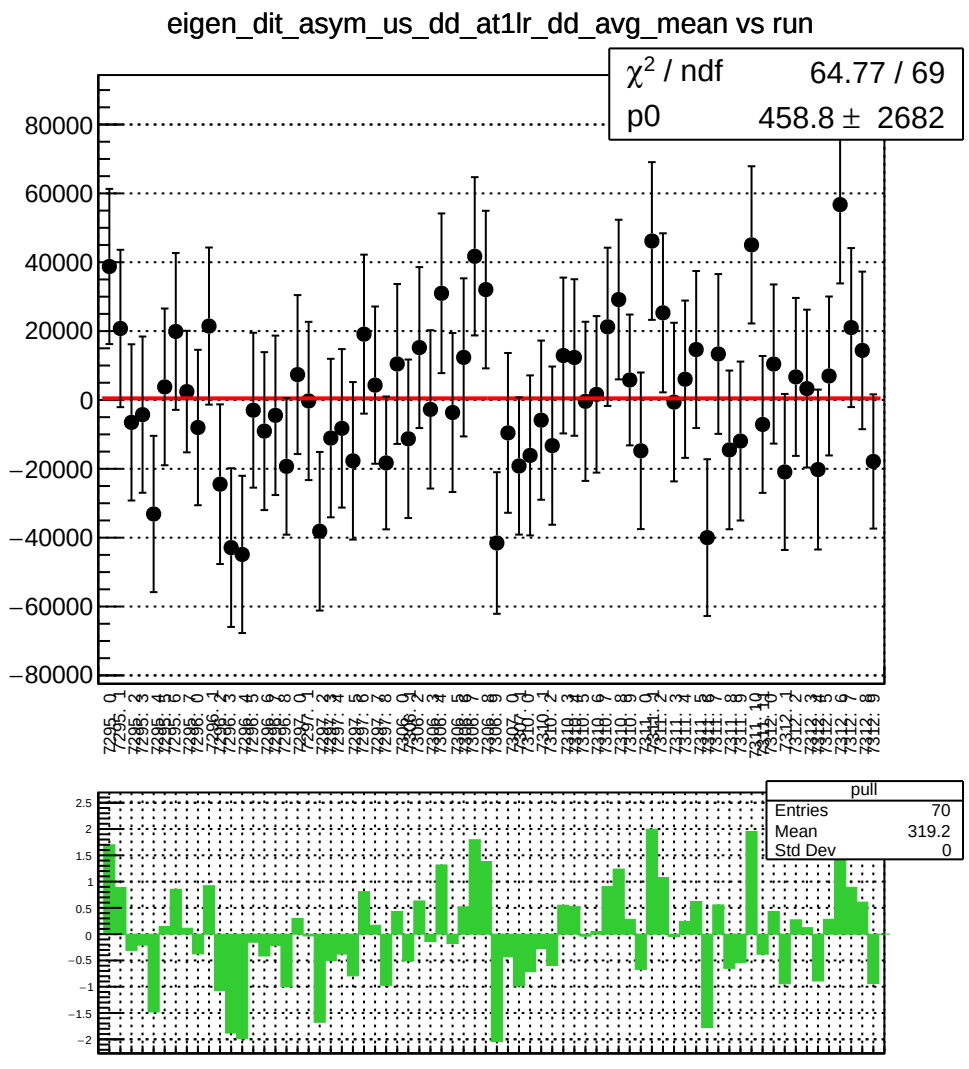

pull1D
Entries 70
Mean 0.01218
Std Dev 0.9618

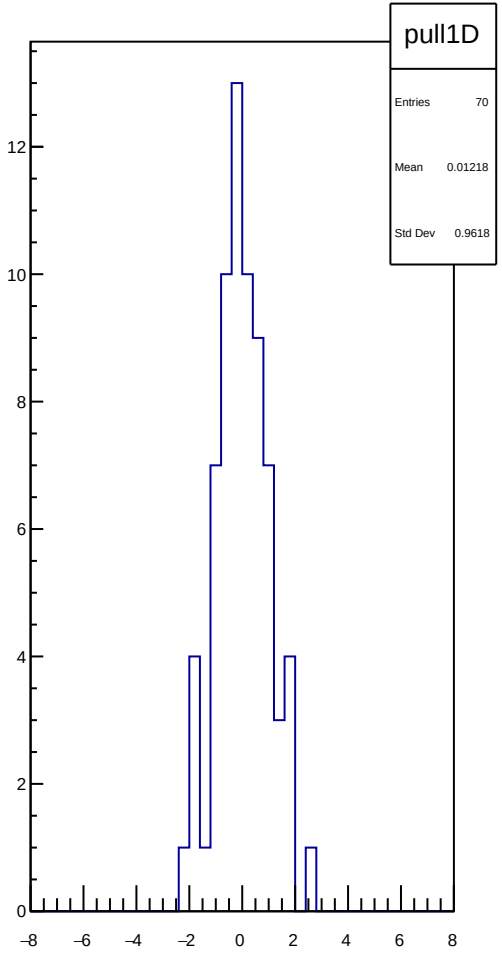

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 85.95 / 69
p0 2178 ± 1.897
2240
2220
2200
2180
2160
2140
2120

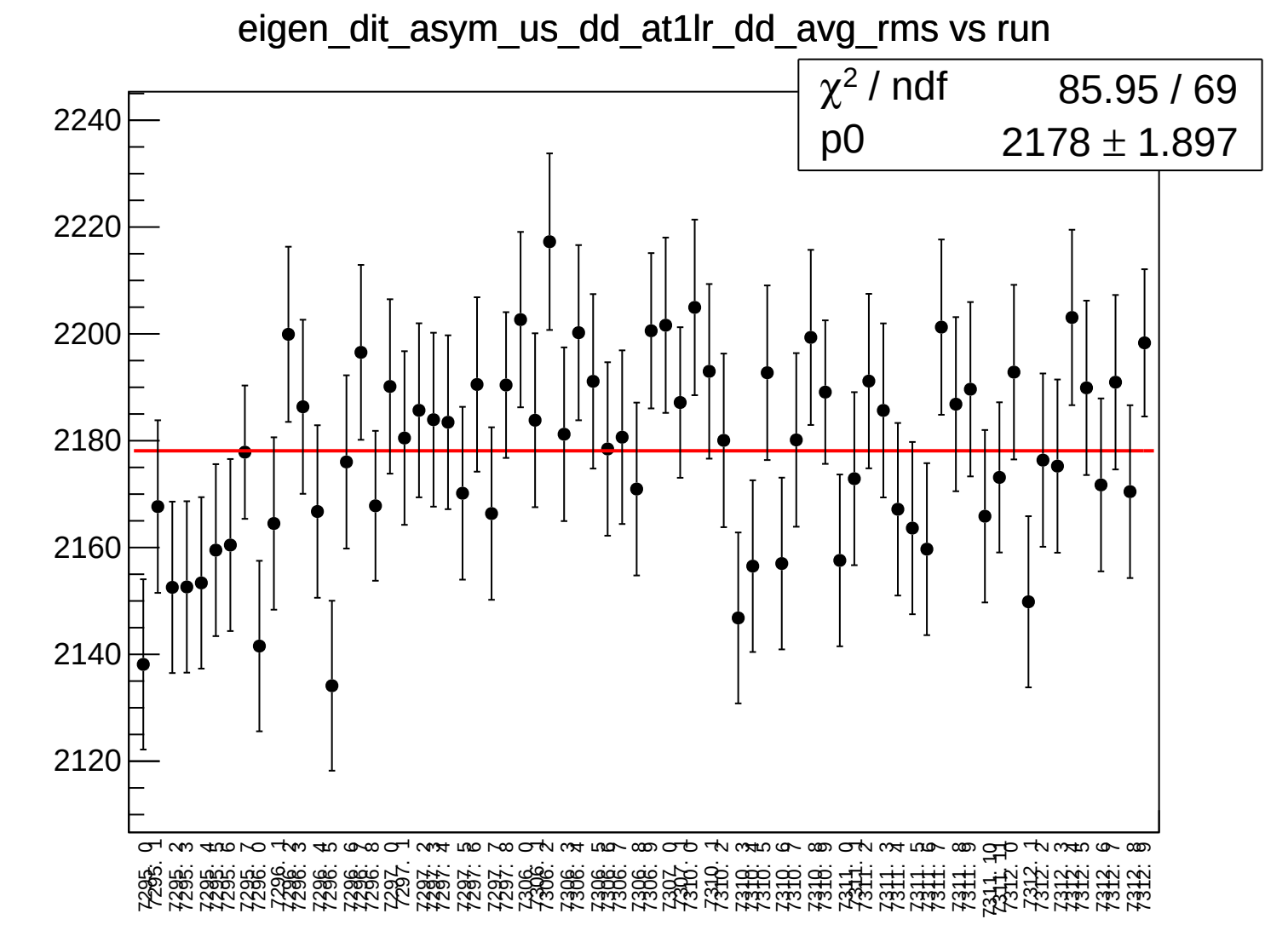

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 73.19 / 69
p0 −204.6 ± 172.4
pull
Entries 70
Mean −247.5
Std Dev 0

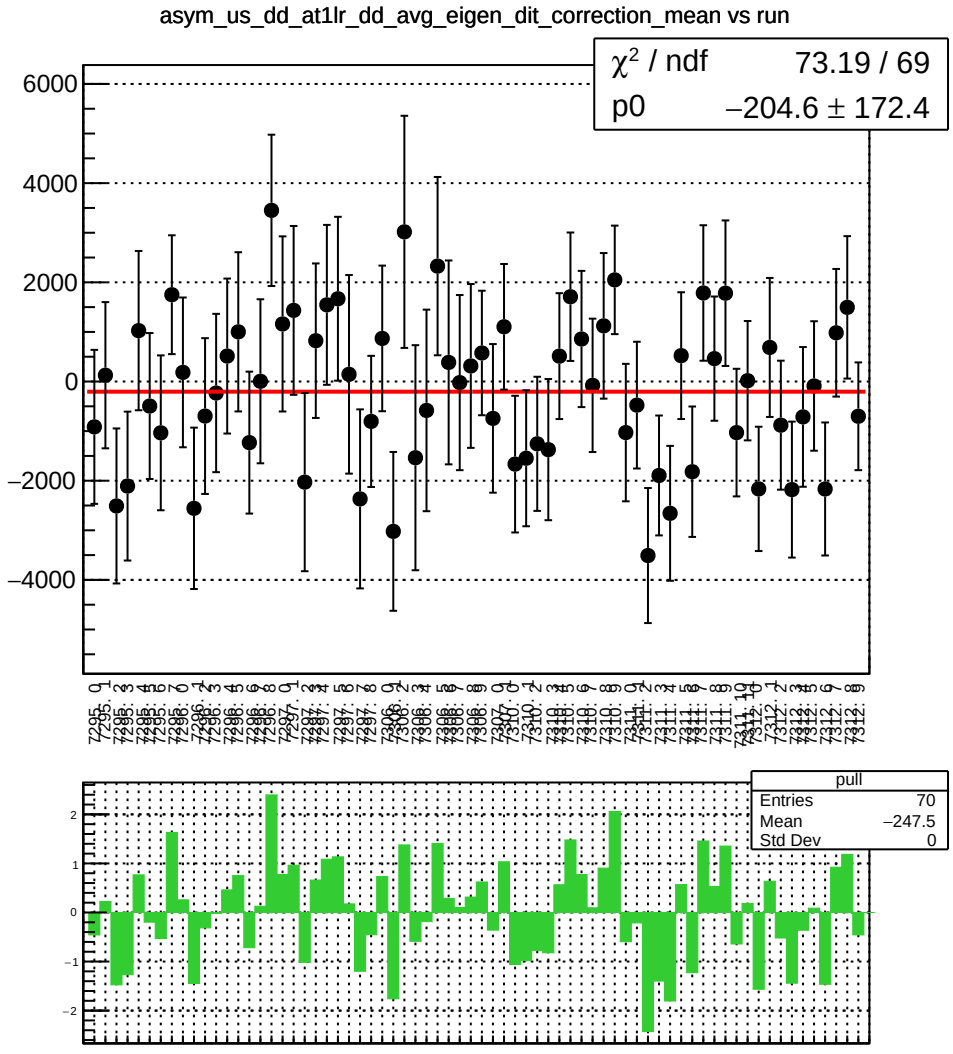

pull1D
Entries 70
Mean 0.005106
Std Dev 1.022

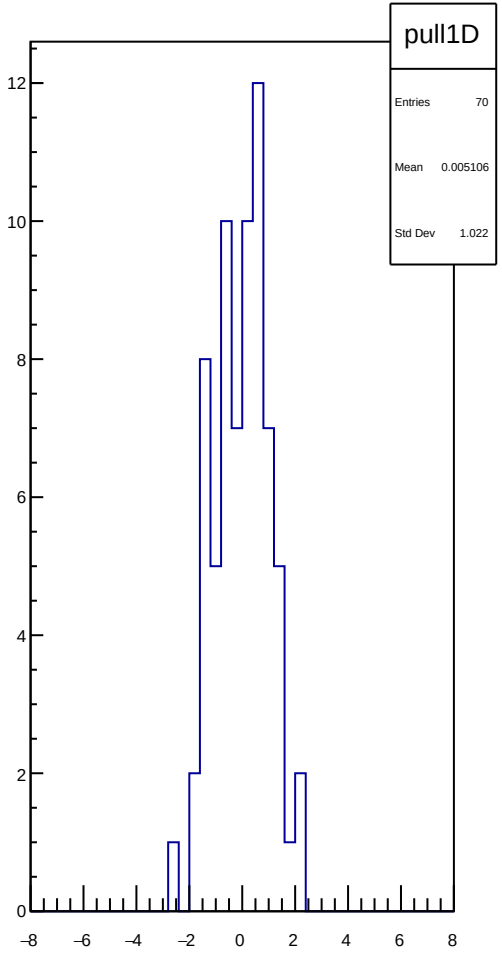

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2.202e+04 / 69
p0 138.9 ± 0.1219
220
200
180
160
140
120

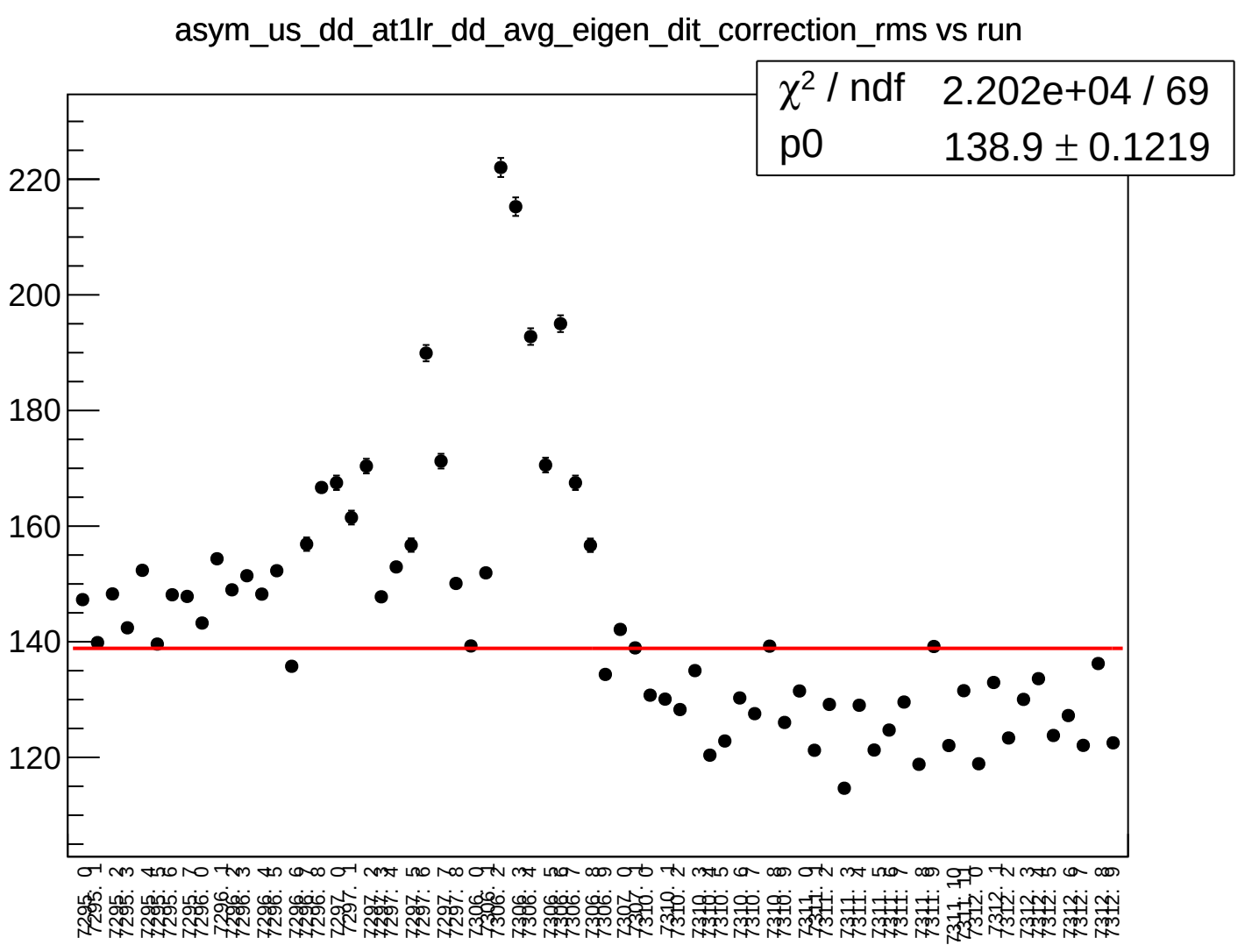

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 64.77 / 69
p0 458.8 ± 2682
pull
Entries 70
Mean 319.2
Std Dev 0

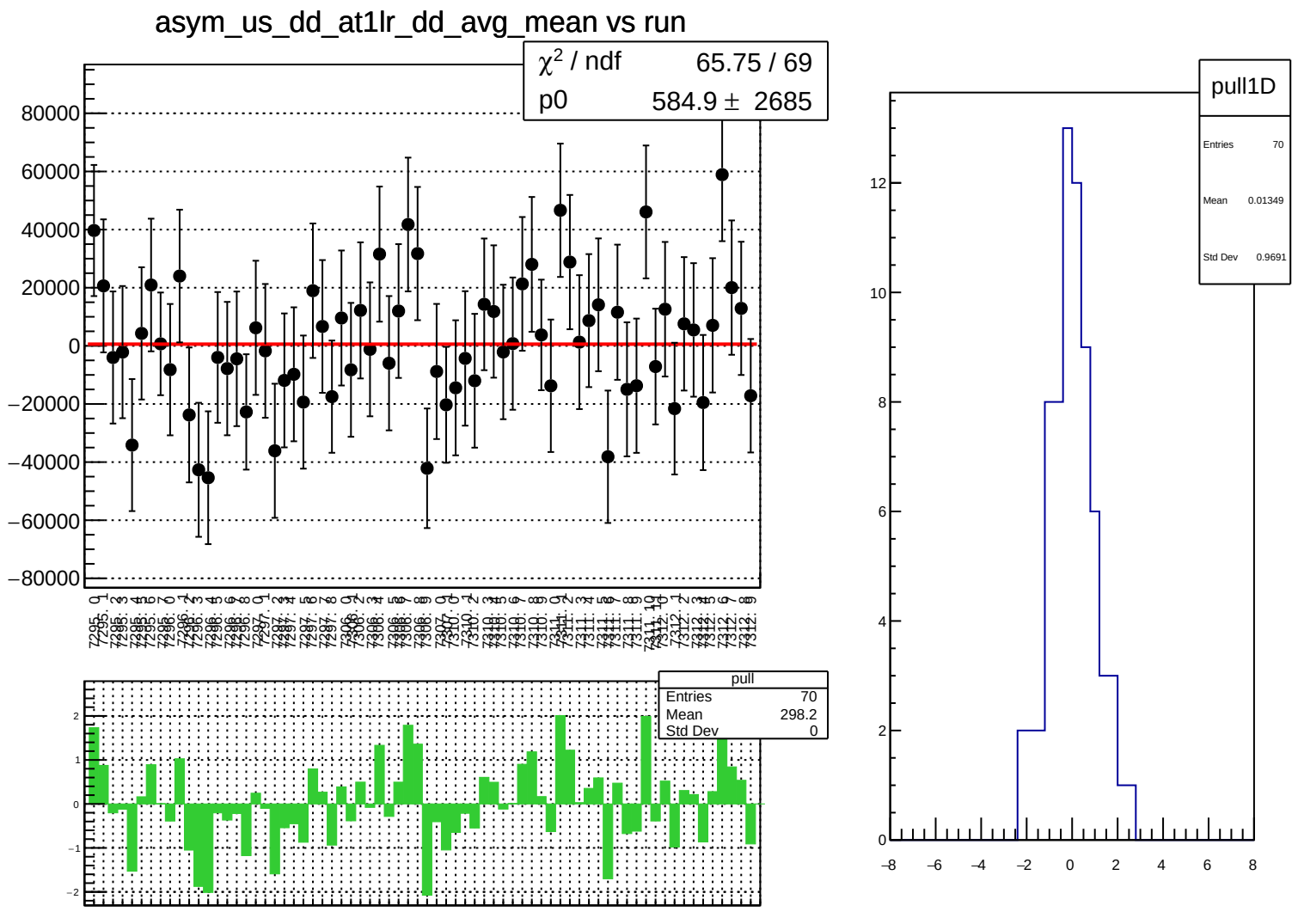

pull1D
Entries 70
Mean 0.01218
Std Dev 0.9618

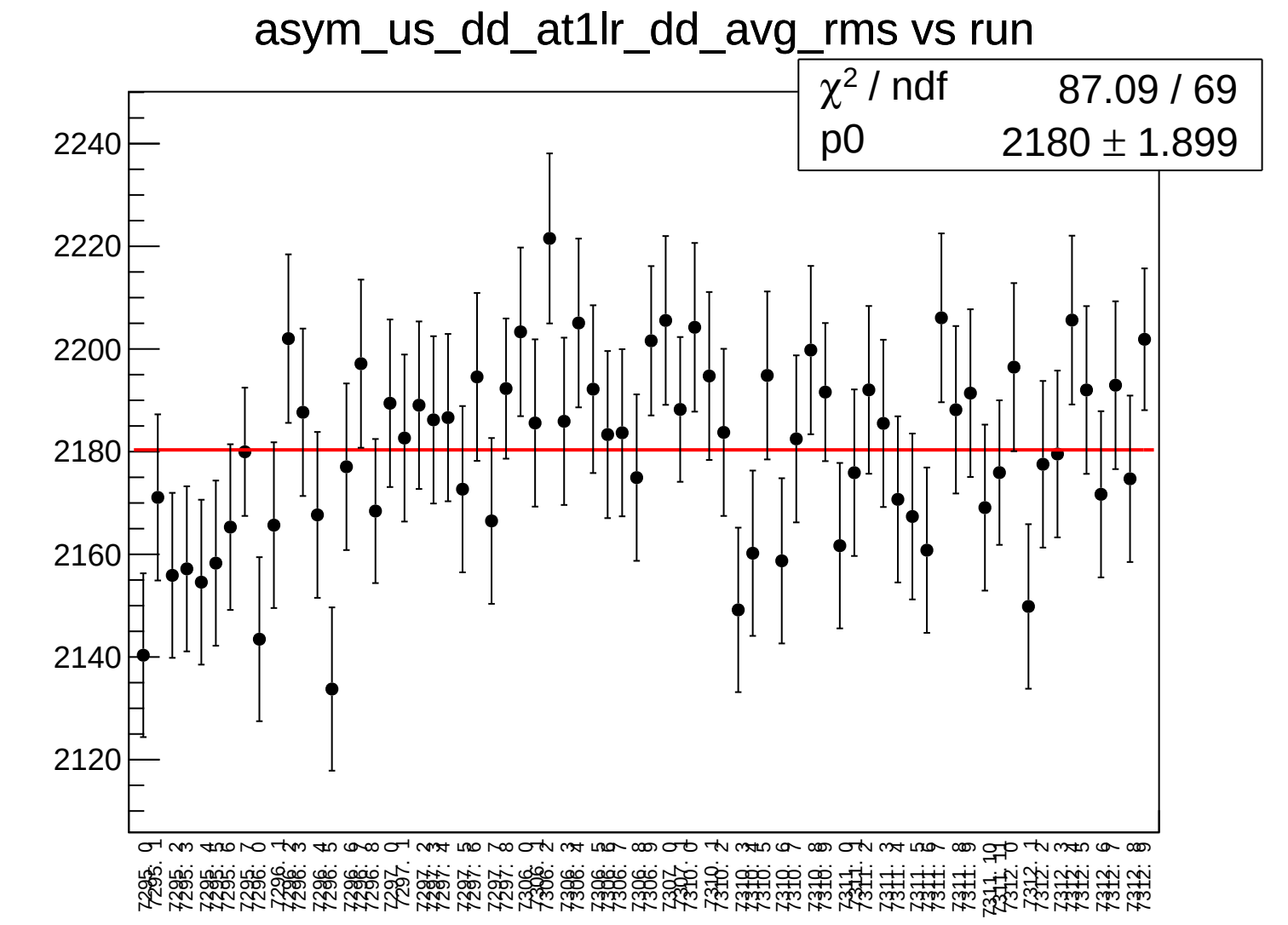

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 85.95 / 69
p0 2178 ± 1.897
2240
2220
2200
2180
2160
2140
2120

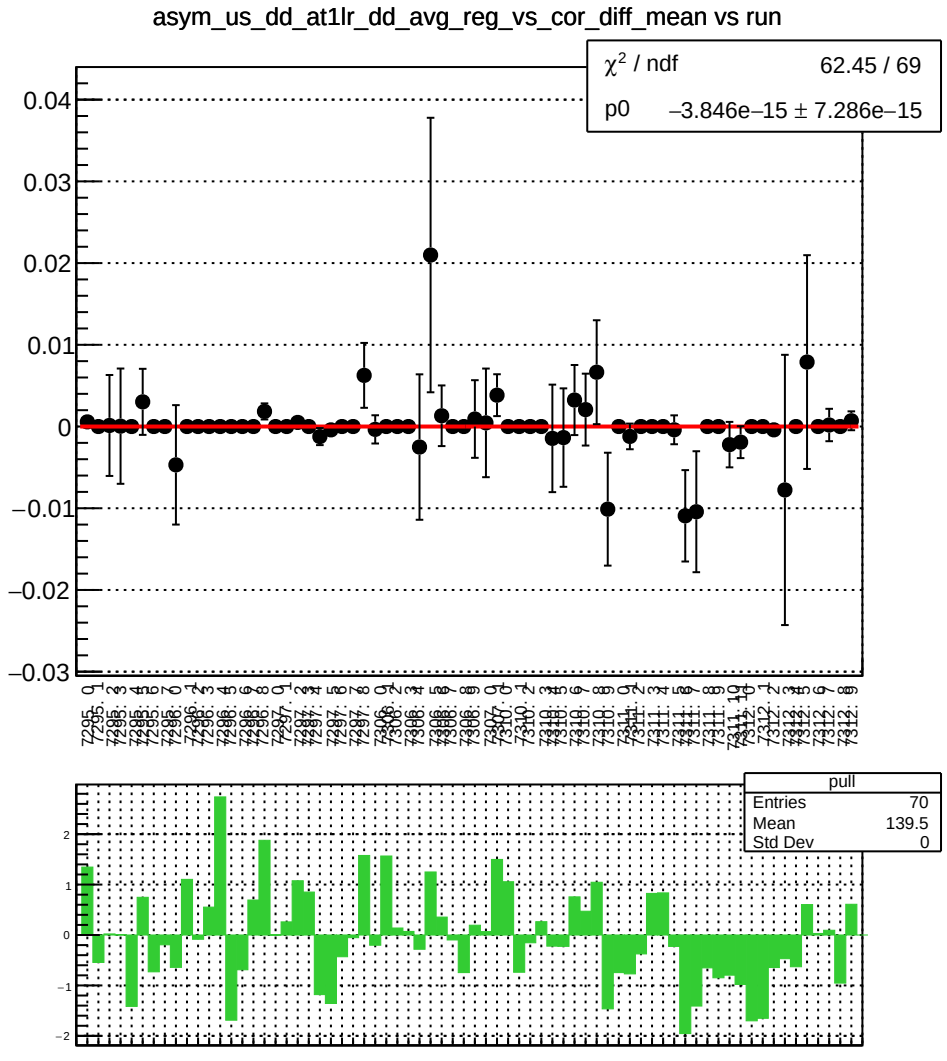

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.19 / 69
p0 −204.6 ± 172.4
6000
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −247.5
Std Dev 0
2
1
0
−1
−2

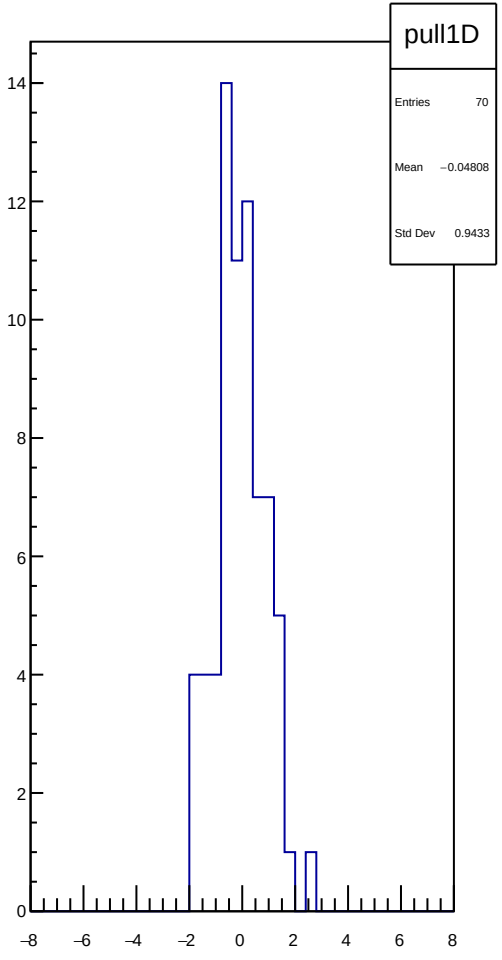

pull1D
Entries 70
Mean 0.005106
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

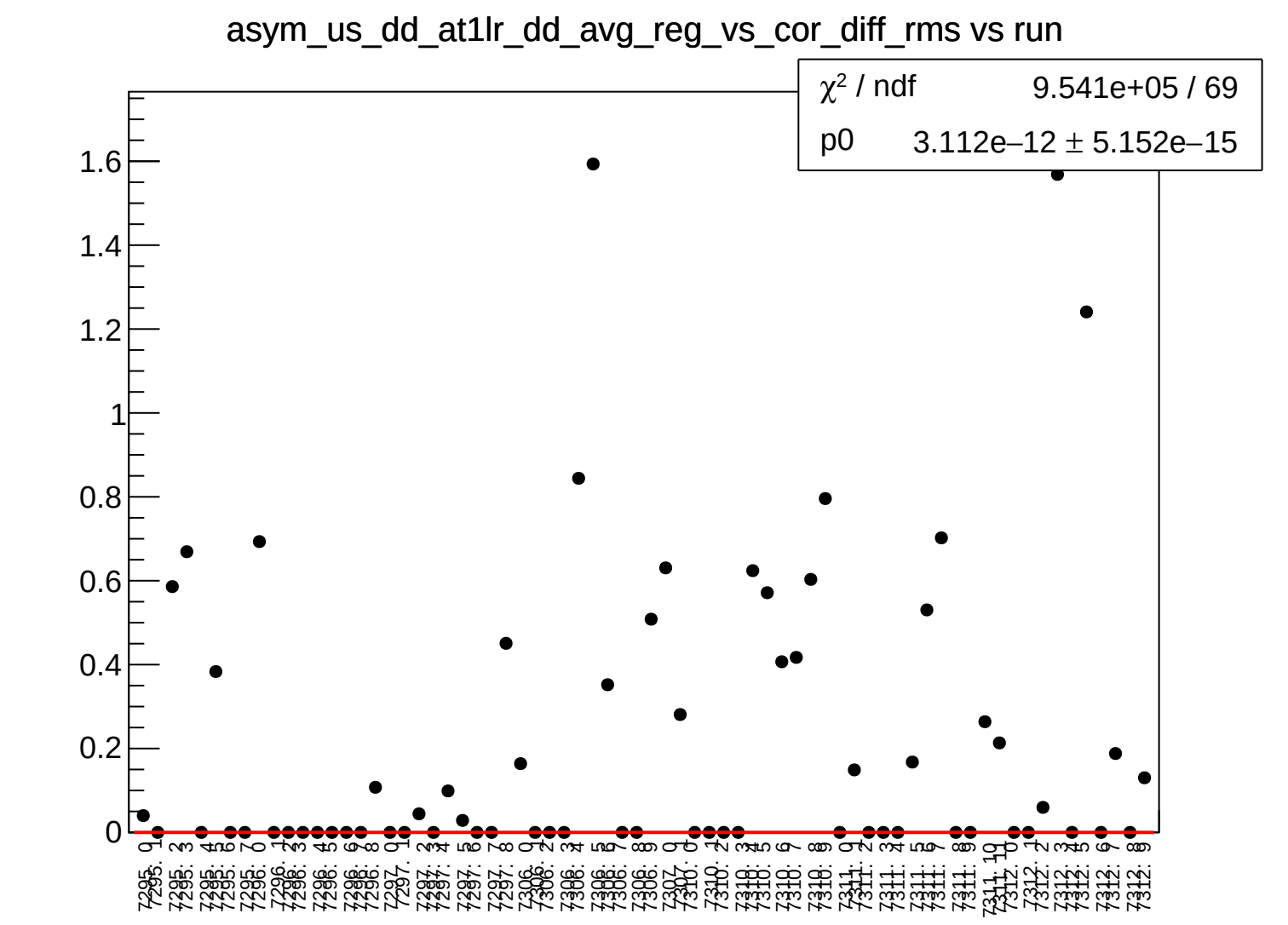

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.202e+04 / 69
p0 138.9 ± 0.1219
220
200
180
160
140
120

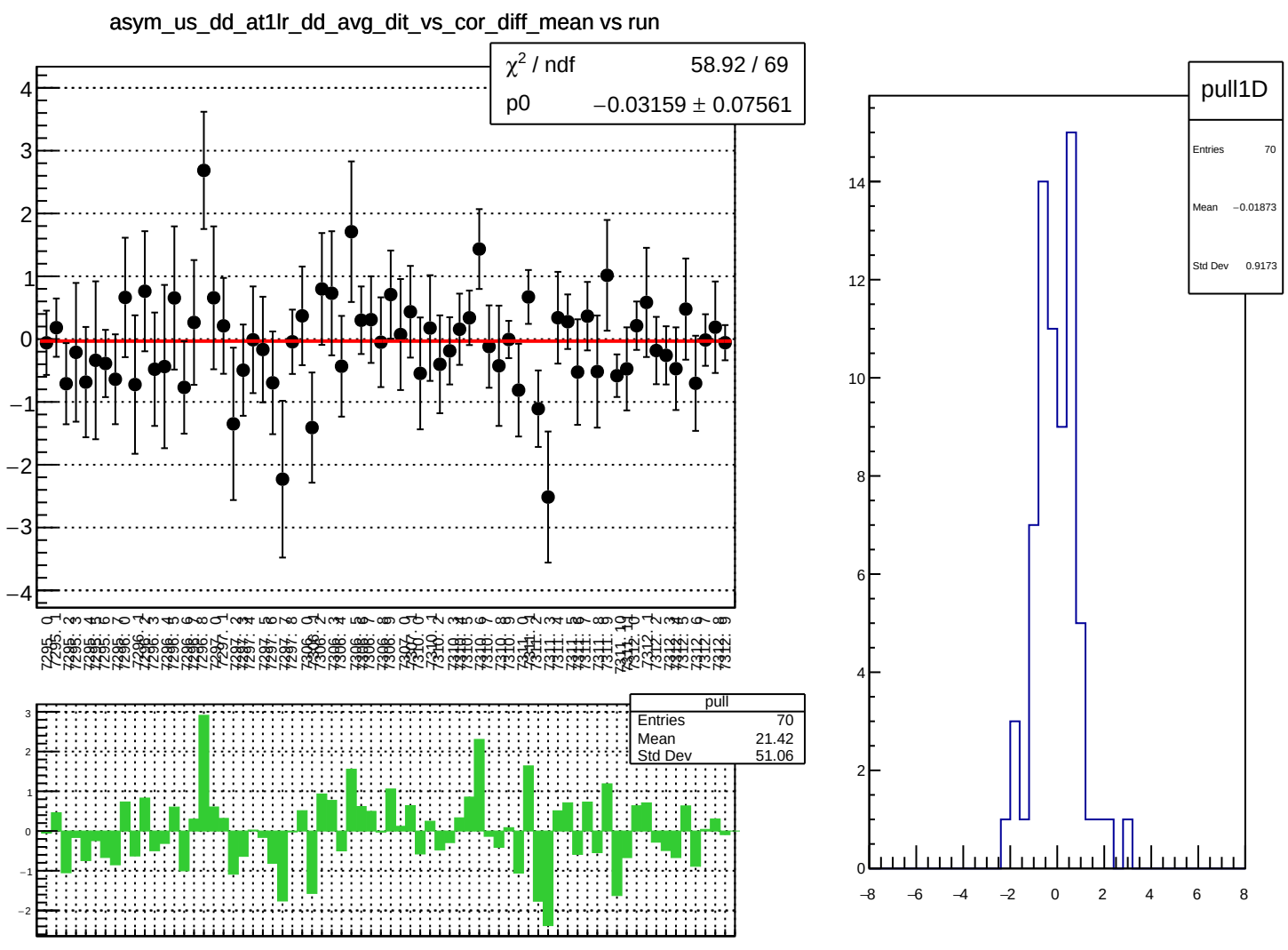

asym_us_dd_at1lr_dd_avg_mean vs run
χ^2 / ndf 65.75 / 69
p0 584.9 ± 2685
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 70
Mean 298.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 70
Mean 0.01349
Std Dev 0.9691
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

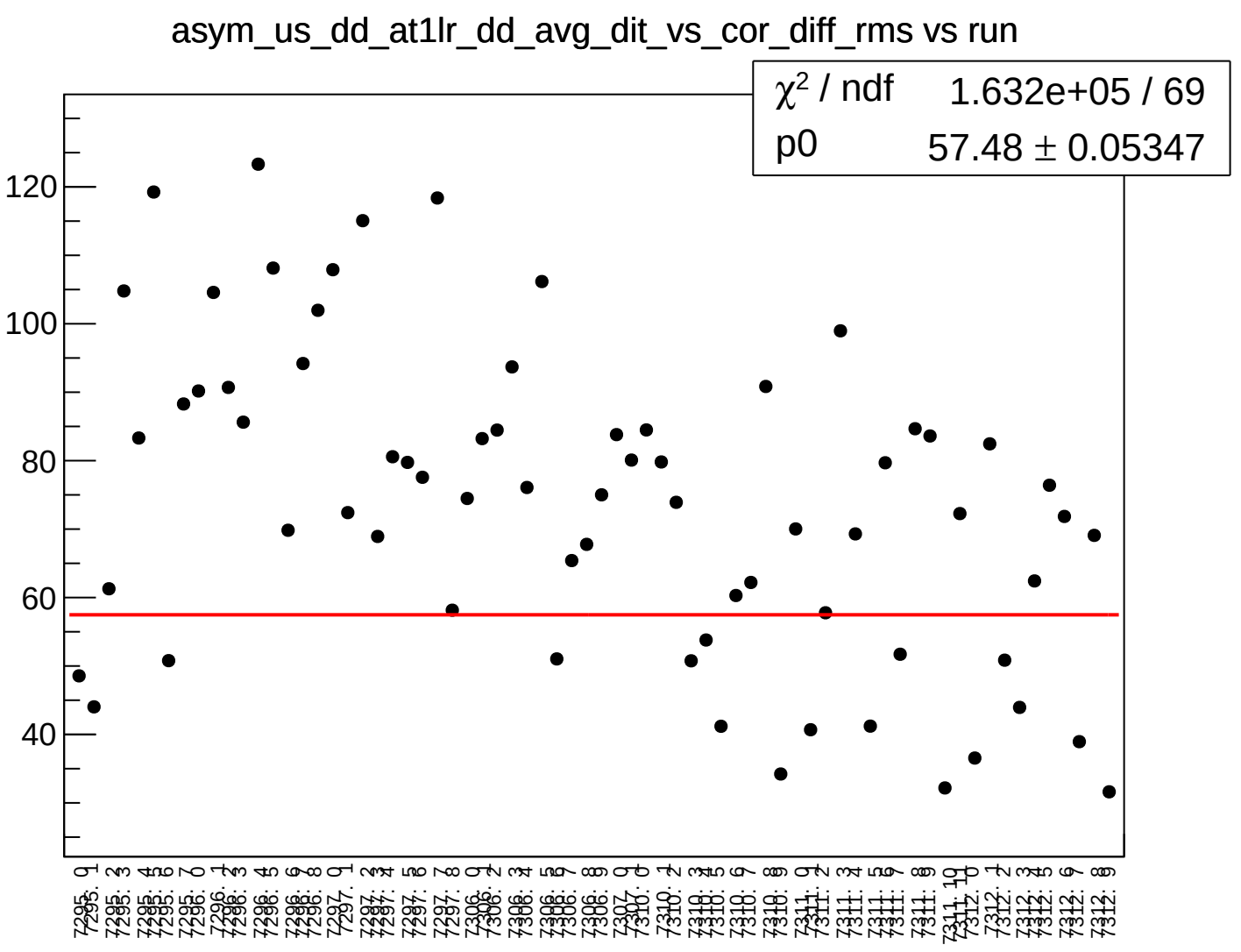

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 87.09 / 69
p0 2180 ± 1.899
2240
2220
2200
2180
2160
2140
2120


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.45 / 69
p0 −3.846e−15 ± 7.286e−15
pull
Entries 70
Mean 139.5
Std Dev 0

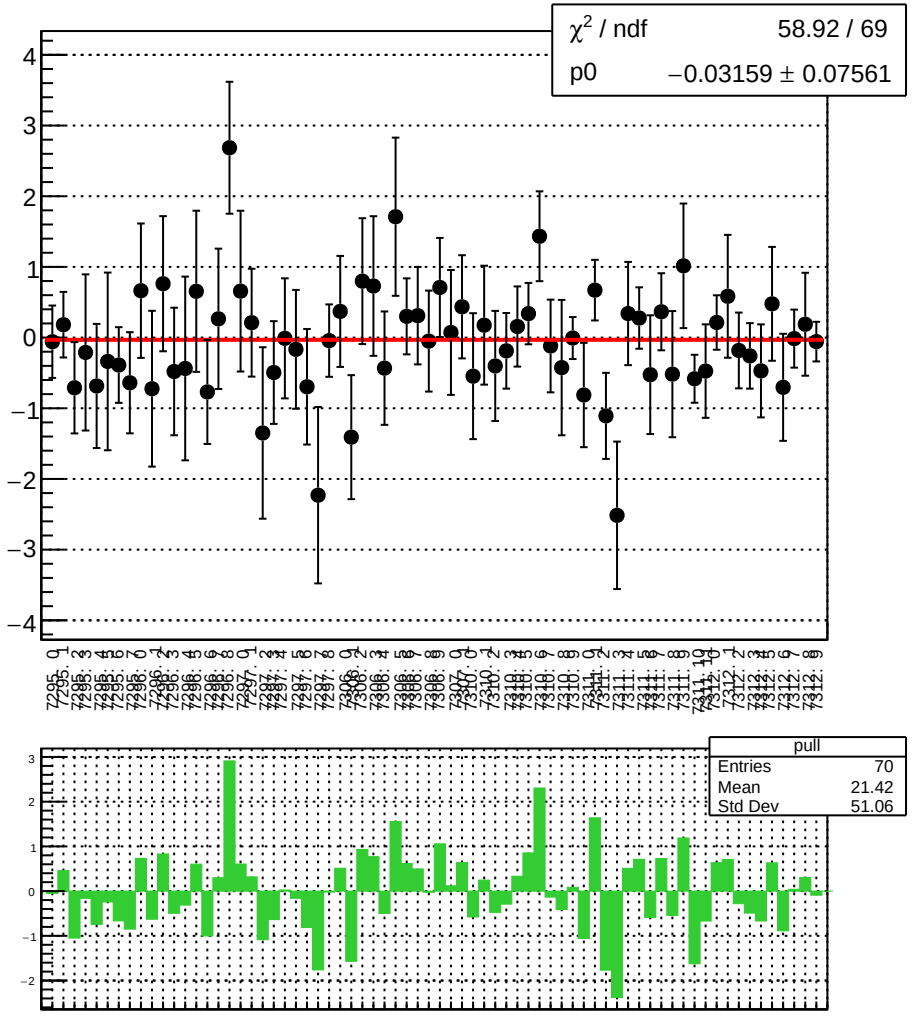

pull1D
Entries 70
Mean −0.04808
Std Dev 0.9433

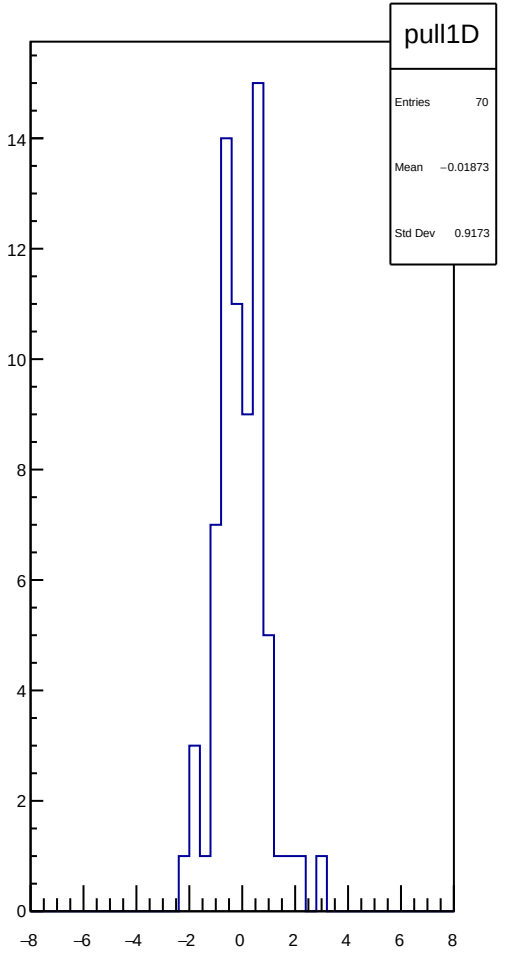

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.541e+05 / 69
p0 3.112e−12 ± 5.152e−15
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

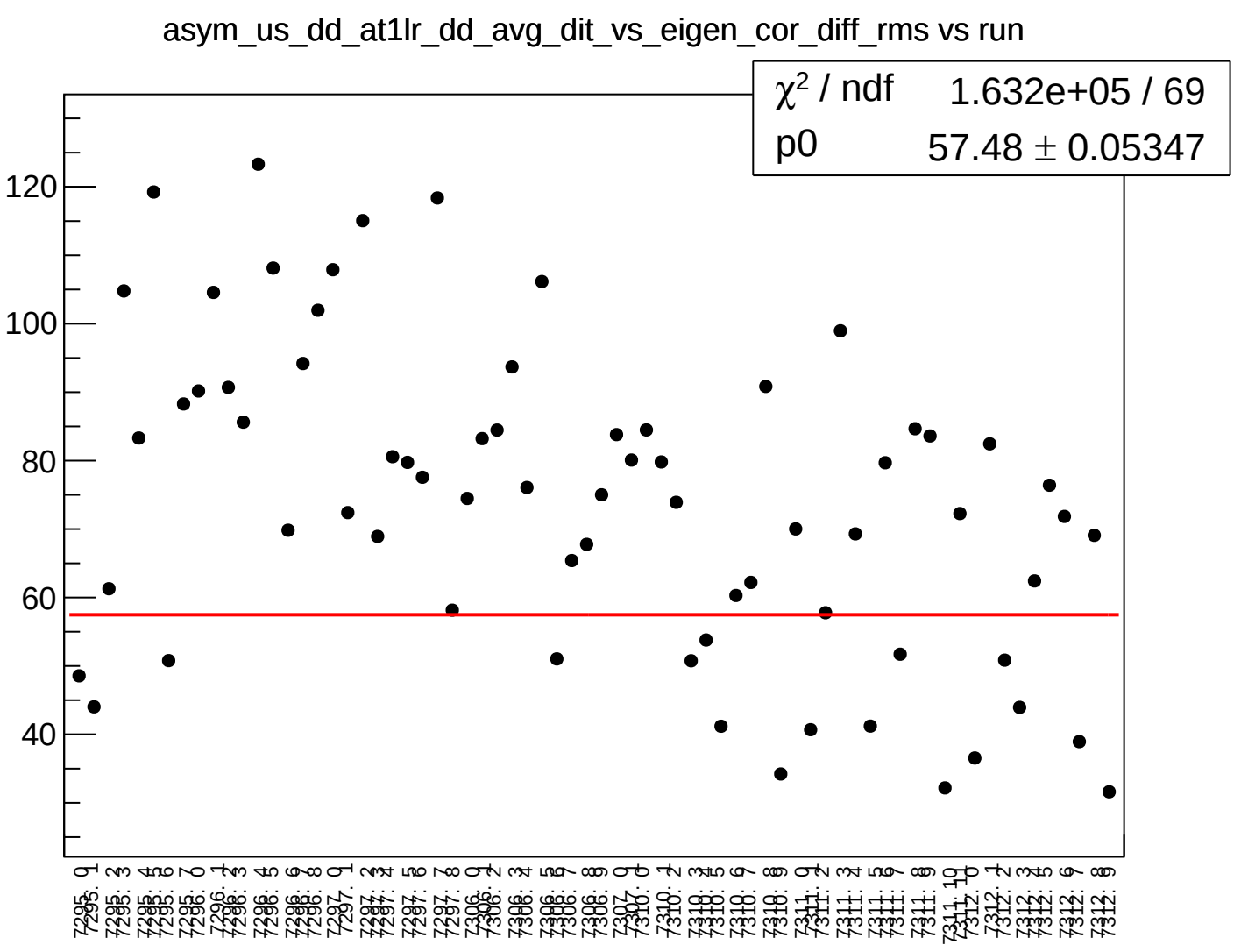

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.92 / 69
p0 −0.03159 ± 0.07561
pull
Entries 70
Mean 21.42
Std Dev 51.06
pull1D
Entries 70
Mean −0.01873
Std Dev 0.9173

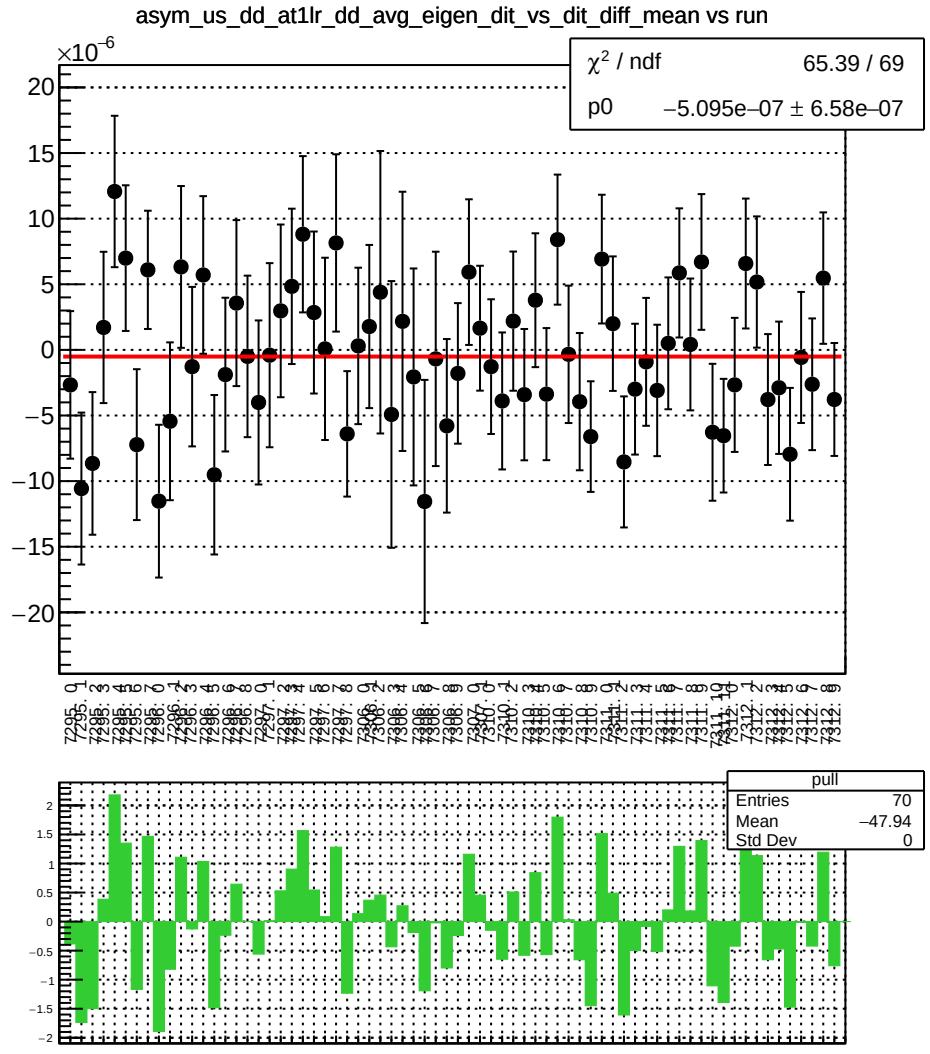

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.632e+05 / 69
p0 57.48 ± 0.05347
120
100
80
60
40

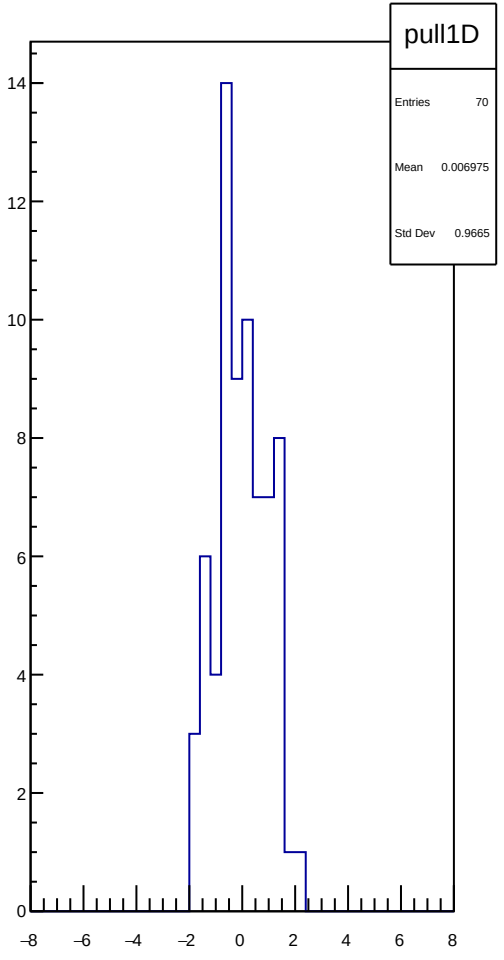
asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

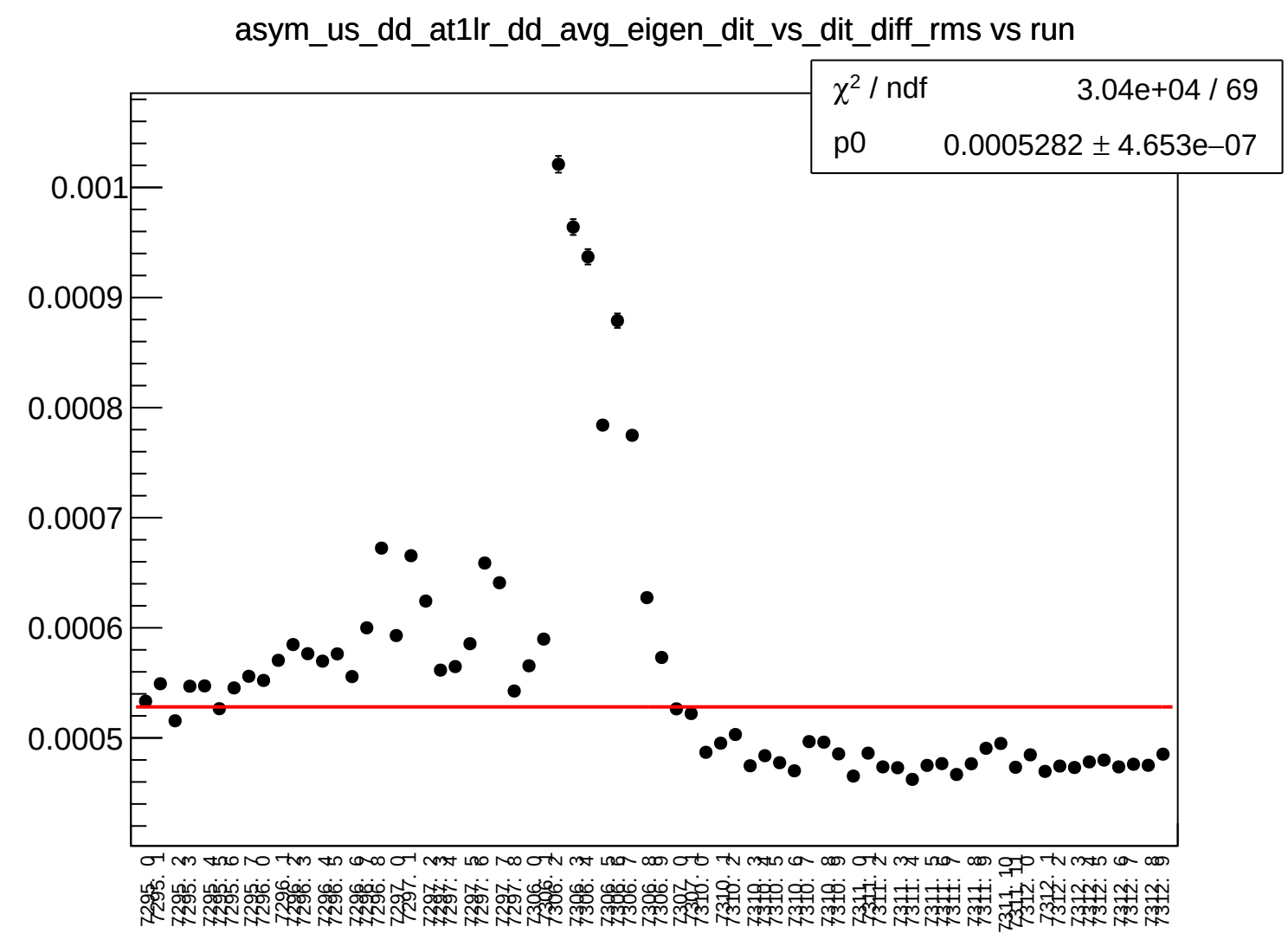




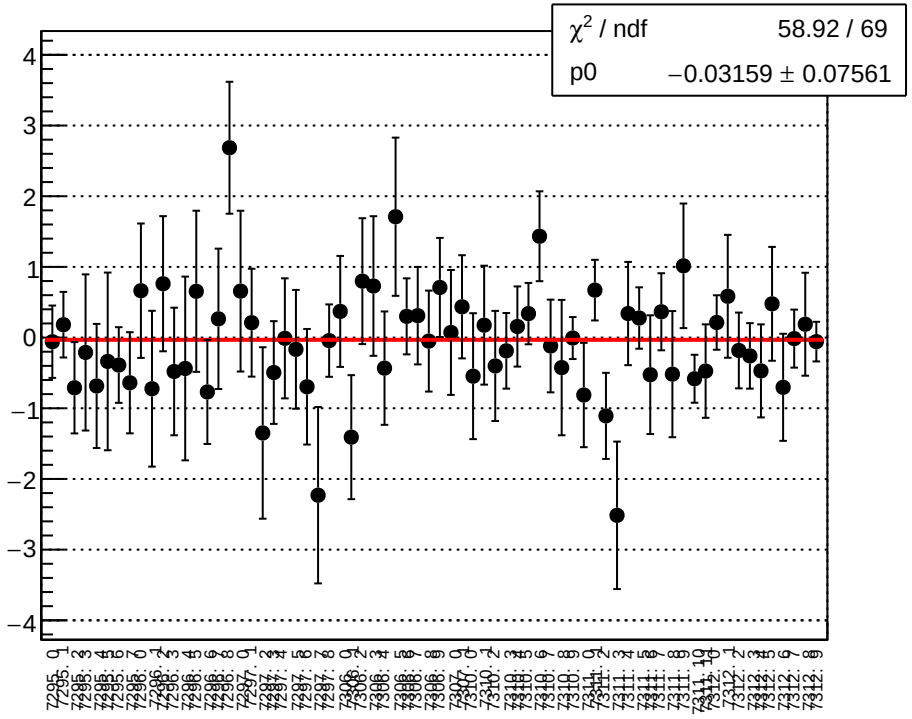

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.632e+05 / 69
p0 57.48 ± 0.05347
120
100
80
60
40

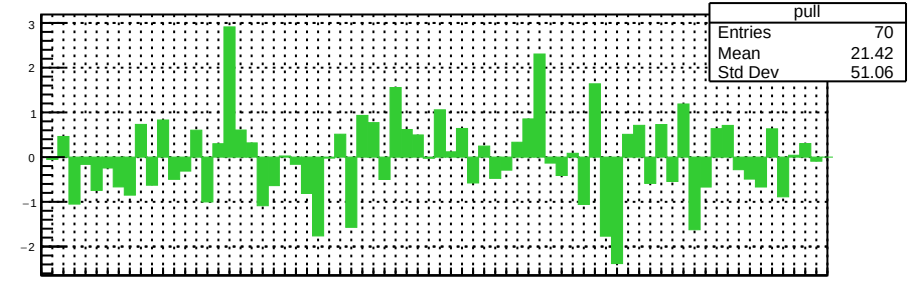

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 65.39 / 69
p0 −5.095e−07 ± 6.58e−07
pull
Entries 70
Mean −47.94
Std Dev 0

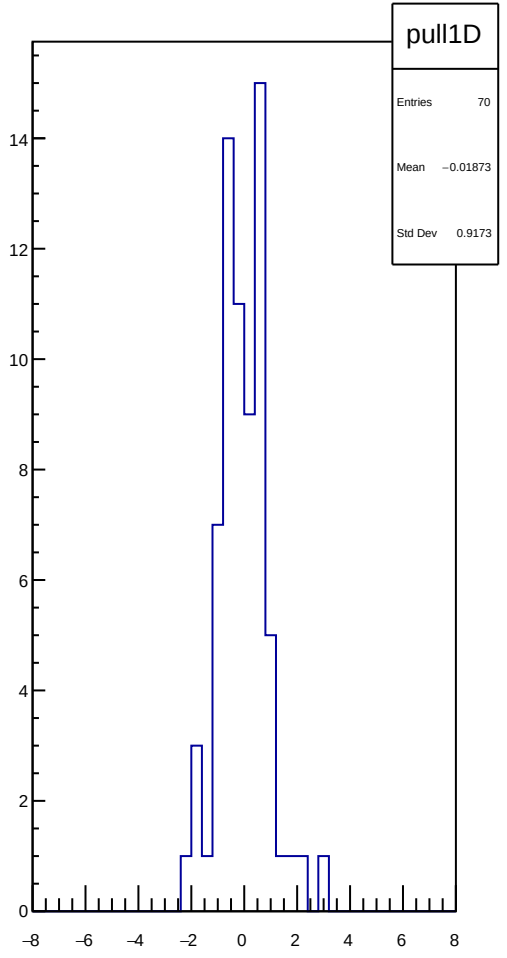

pull1D
Entries 70
Mean 0.006975
Std Dev 0.9665

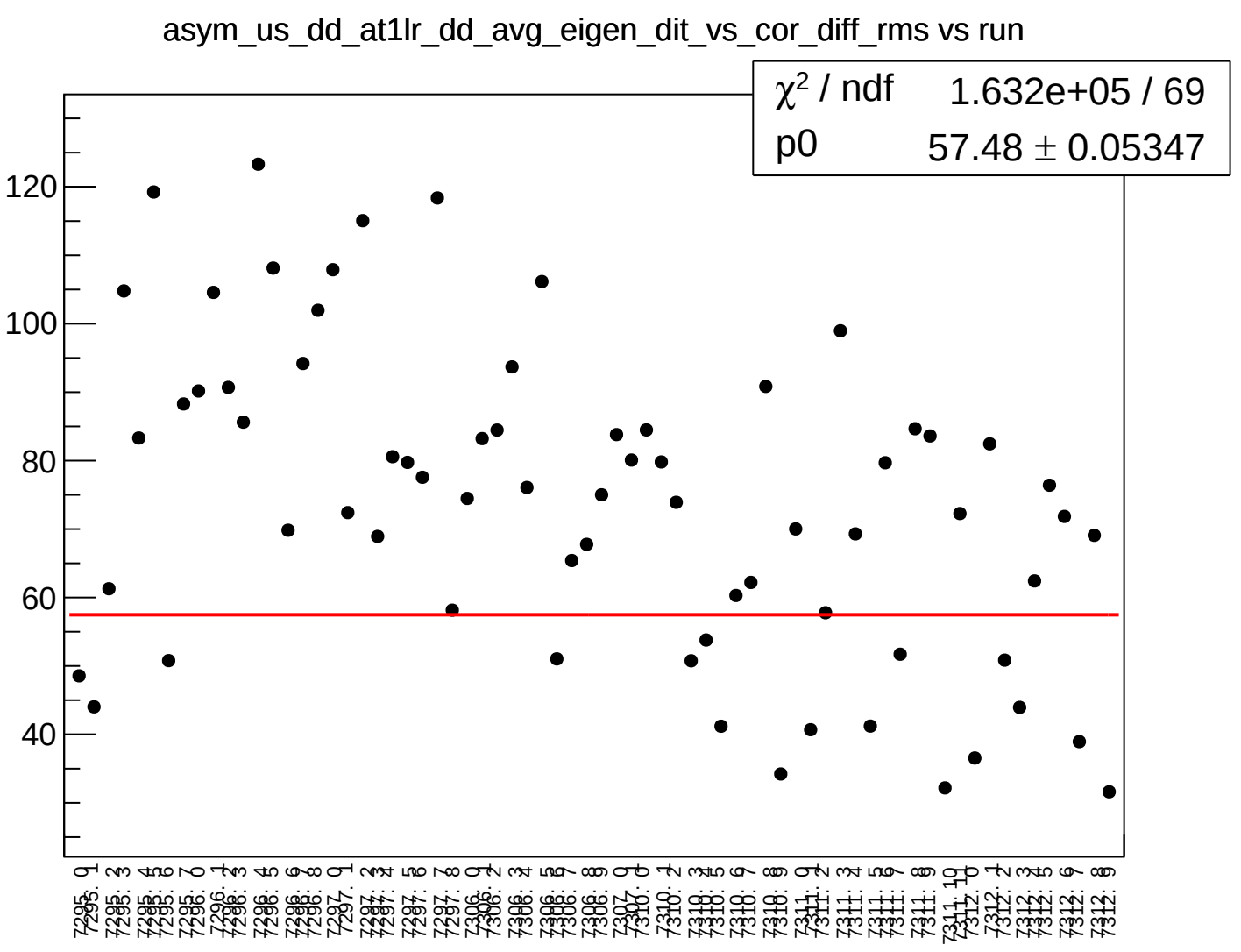

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.04e+04 / 69
p0 0.0005282 ± 4.653e−07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005

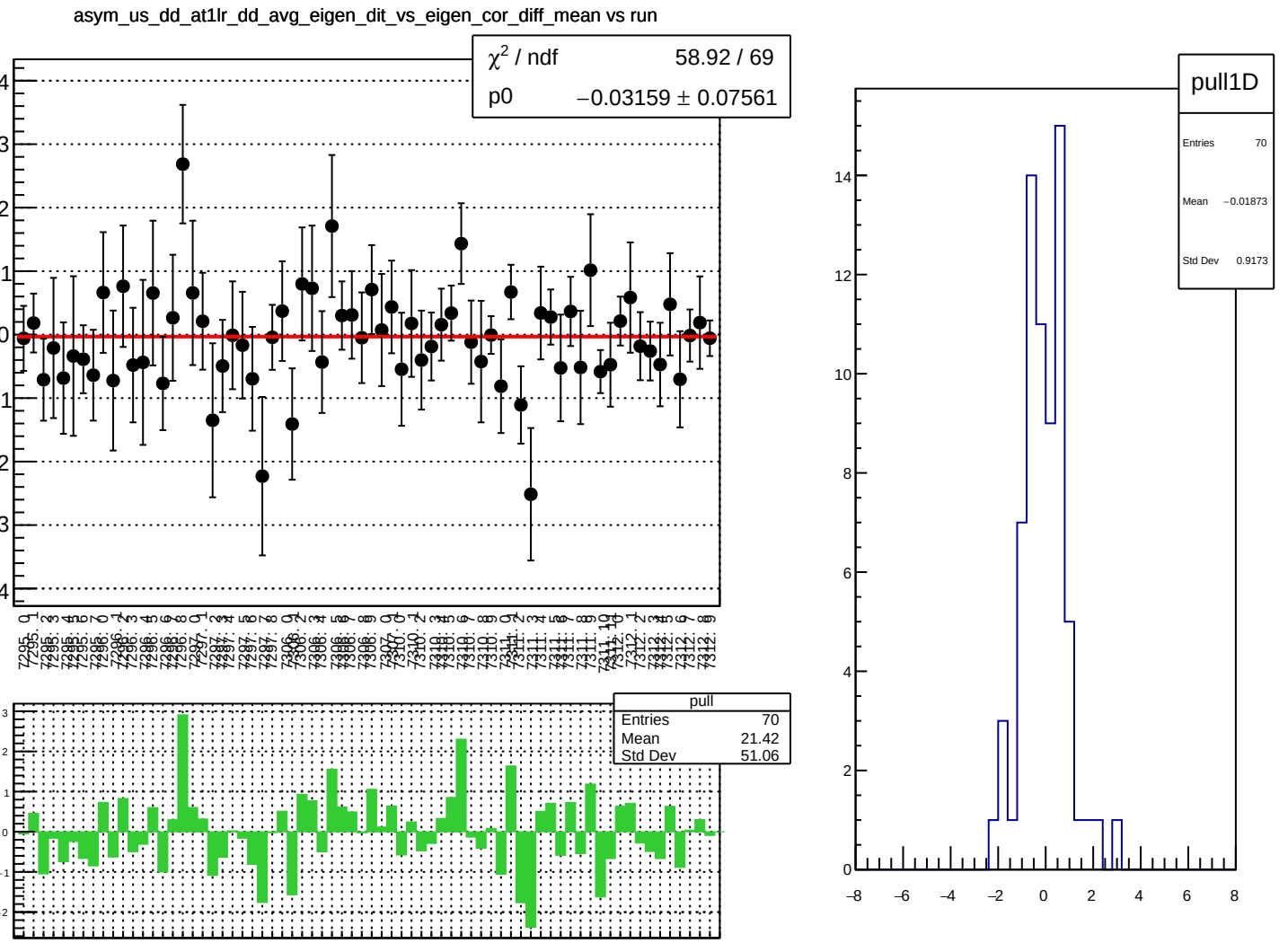
asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run

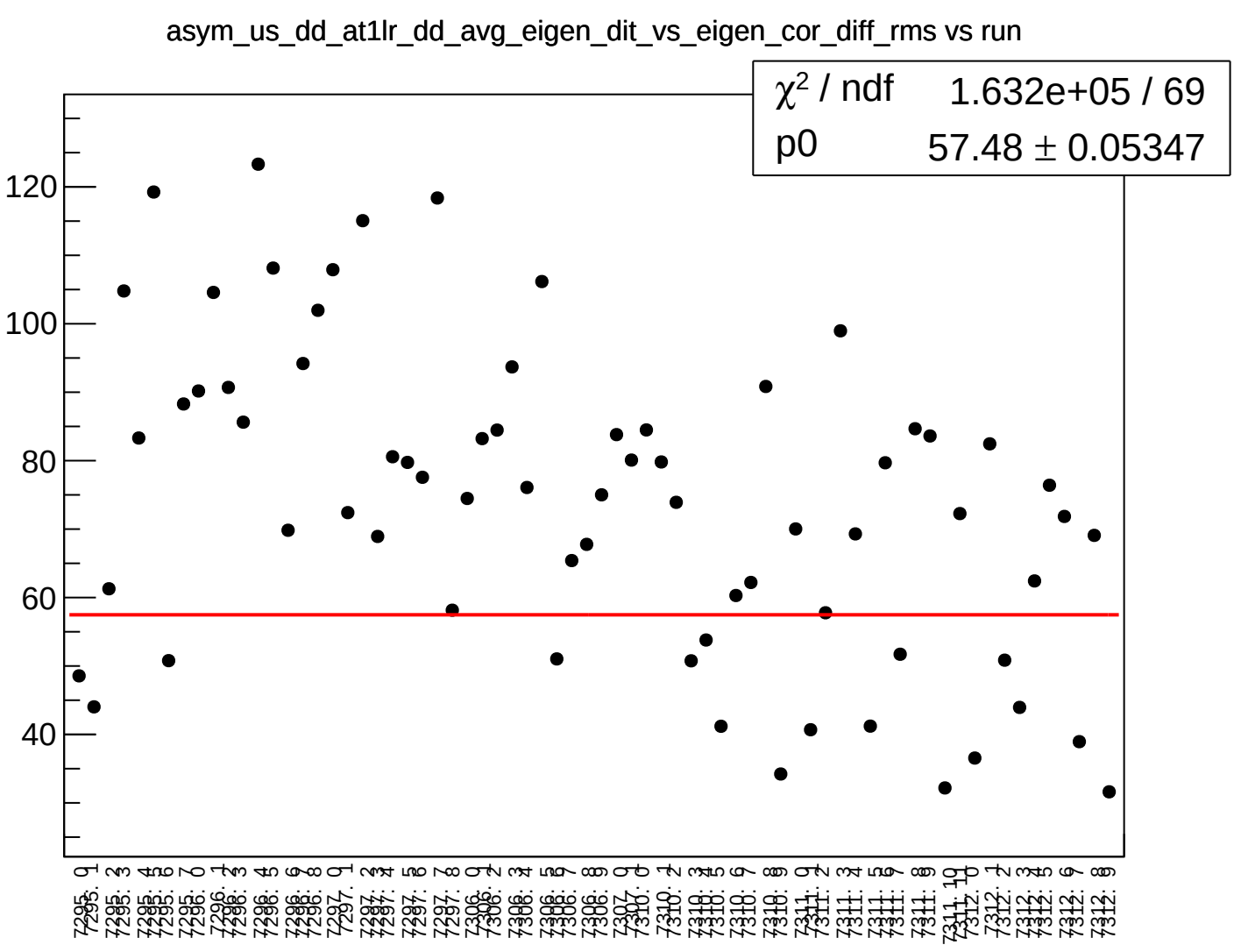


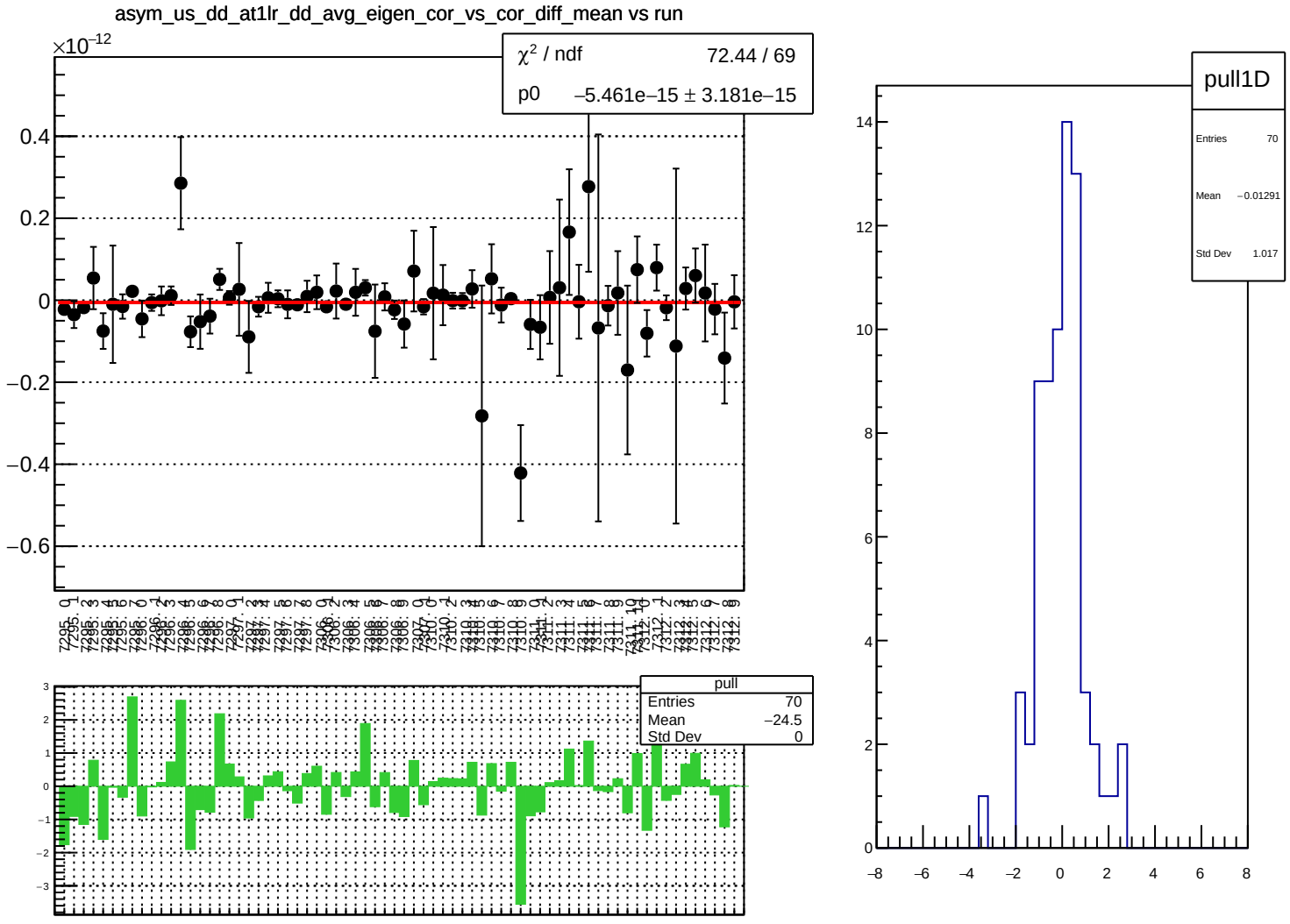


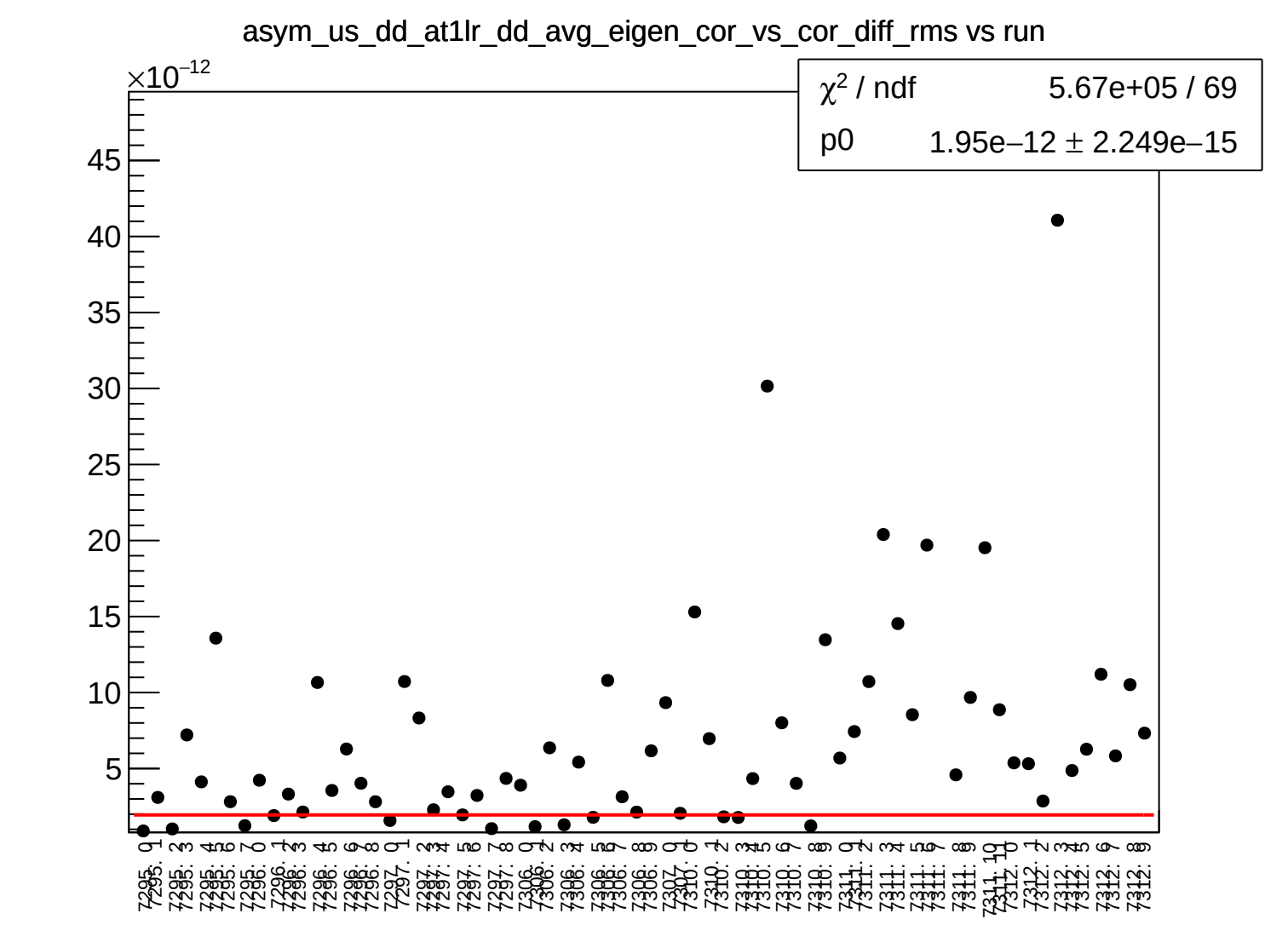


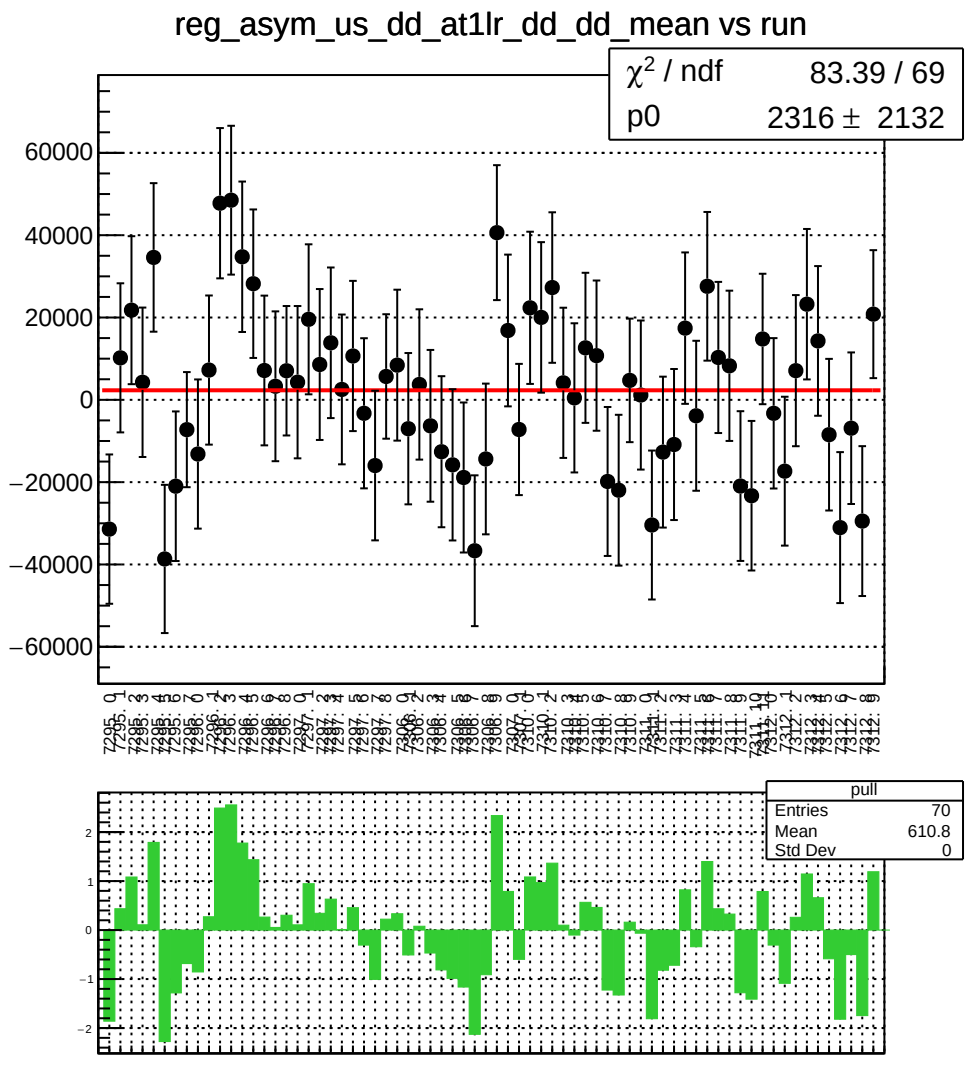

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.632e+05 / 69
p0 57.48 ± 0.05347
120
100
80
60
40

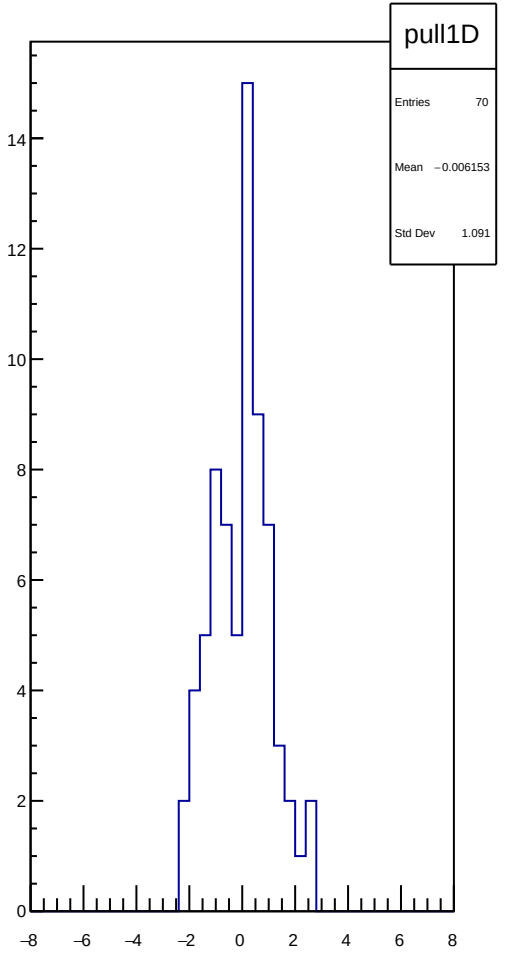

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.92 / 69
p0 −0.03159 ± 0.07561
pull
Entries 70
Mean 21.42
Std Dev 51.06
pull1D
Entries 70
Mean −0.01873
Std Dev 0.9173

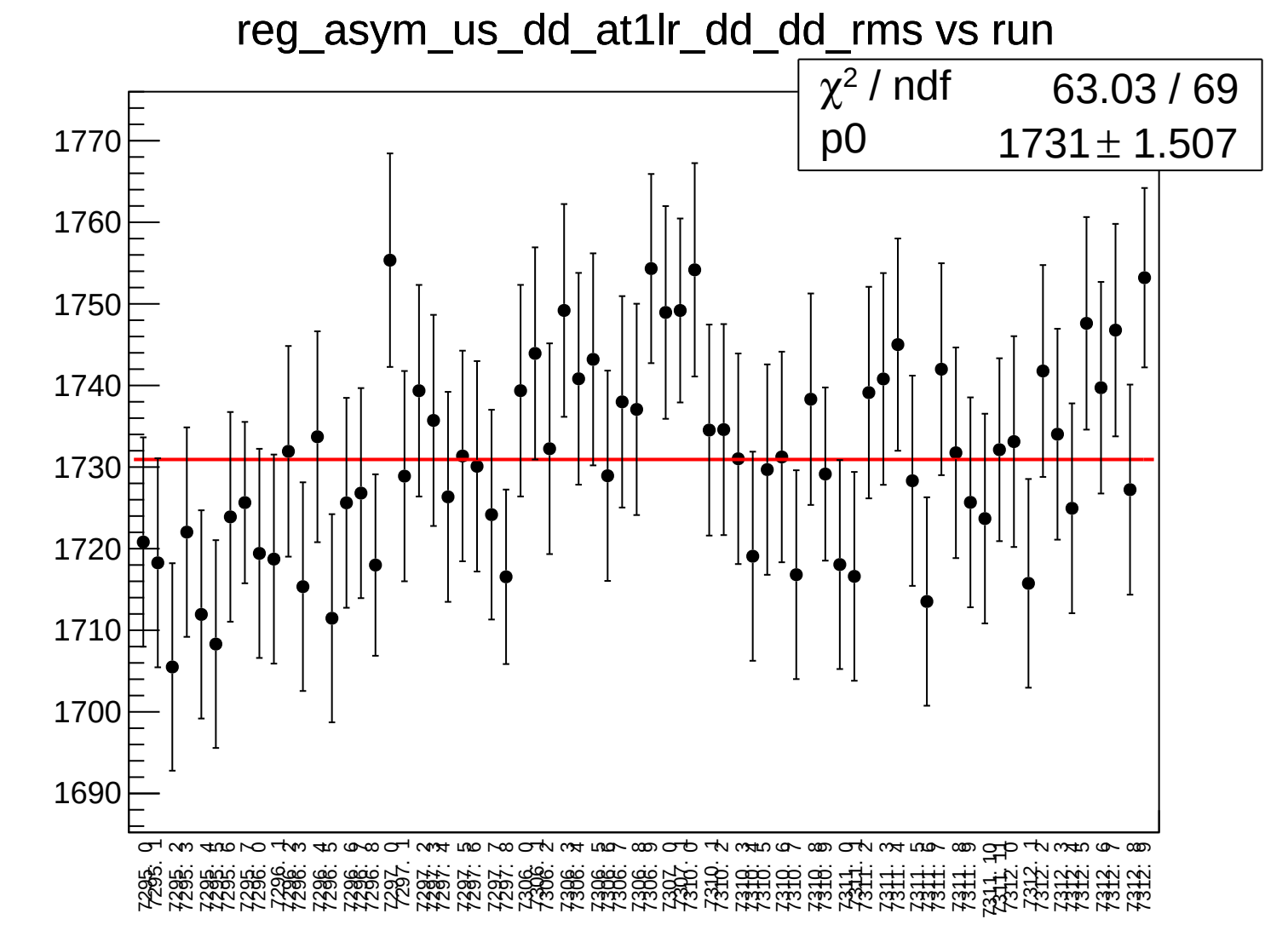

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.632e+05 / 69
p0 57.48 ± 0.05347
120
100
80
60
40

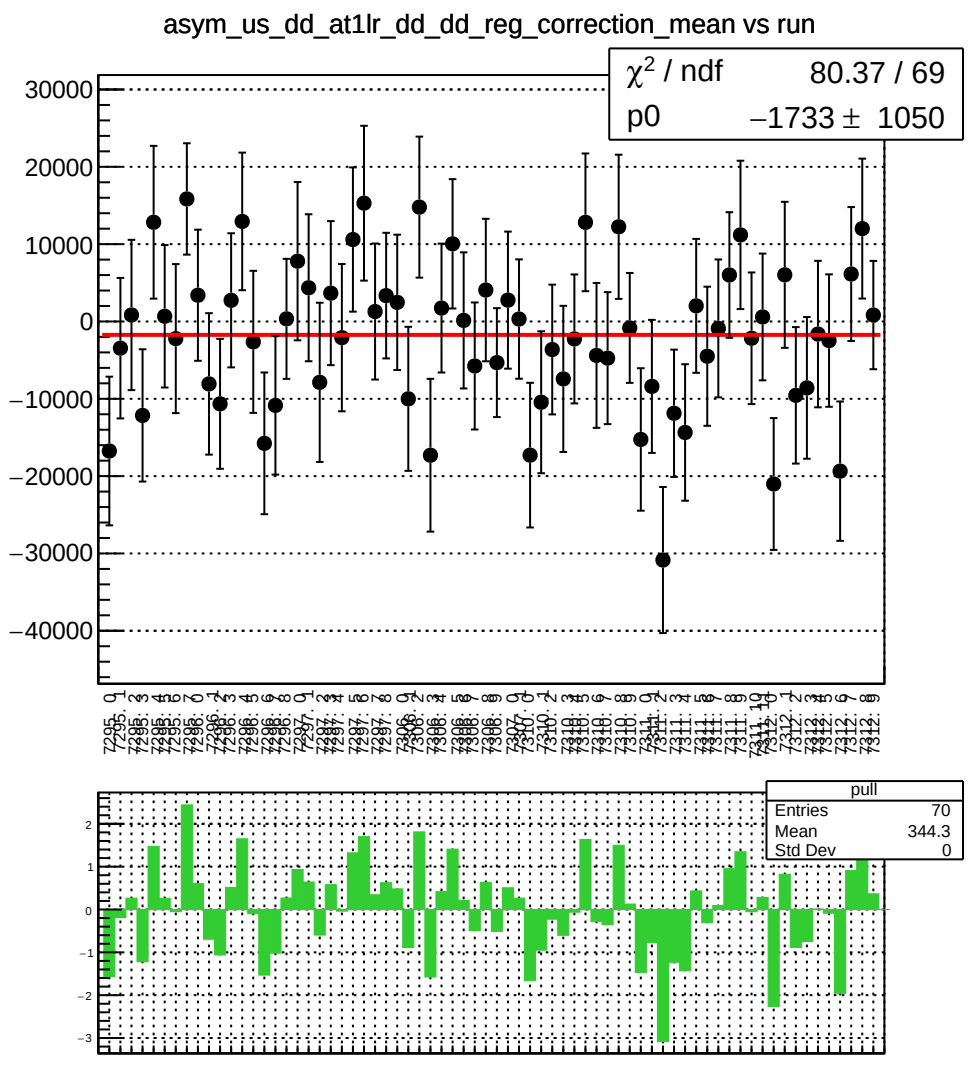

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.44 / 69
p0 −5.461e−15 ± 3.181e−15
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 70
Mean −24.5
Std Dev 0
pull1D
Entries 70
Mean −0.01291
Std Dev 1.017

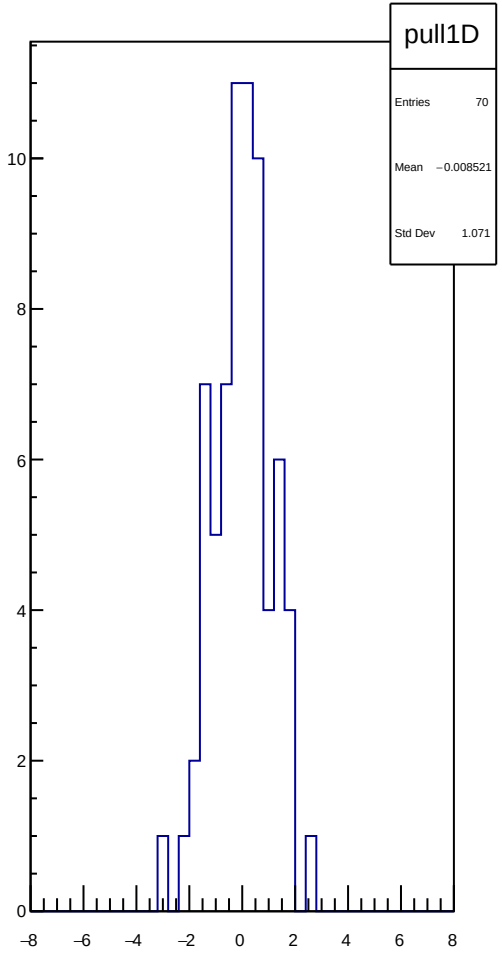

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.67e+05 / 69
p0 1.95e−12 ± 2.249e−15
45
40
35
30
25
20
15
10
5

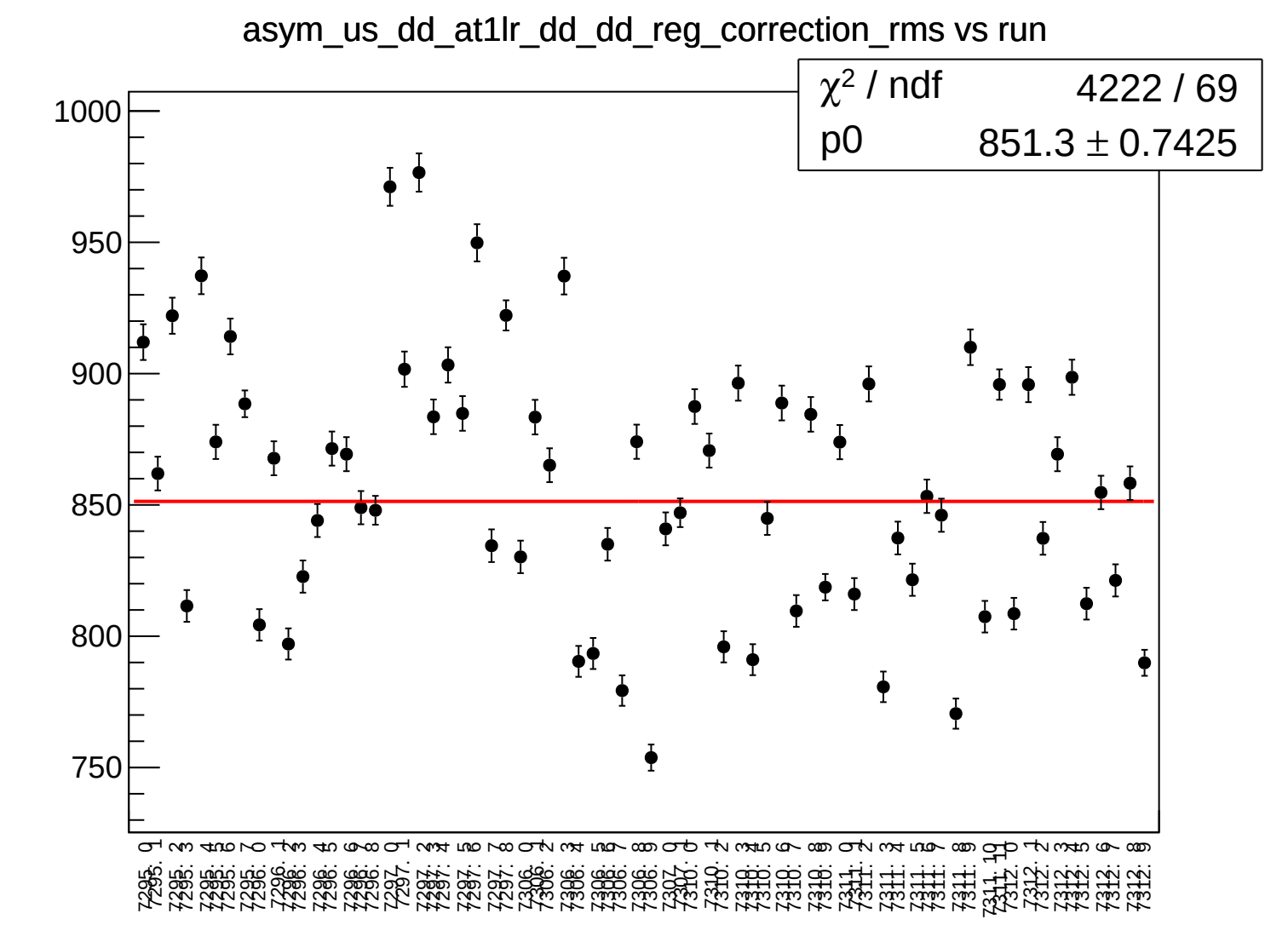

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 83.39 / 69
p0 2316 ± 2132
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 610.8
Std Dev 0
2
1
0
−1
−2

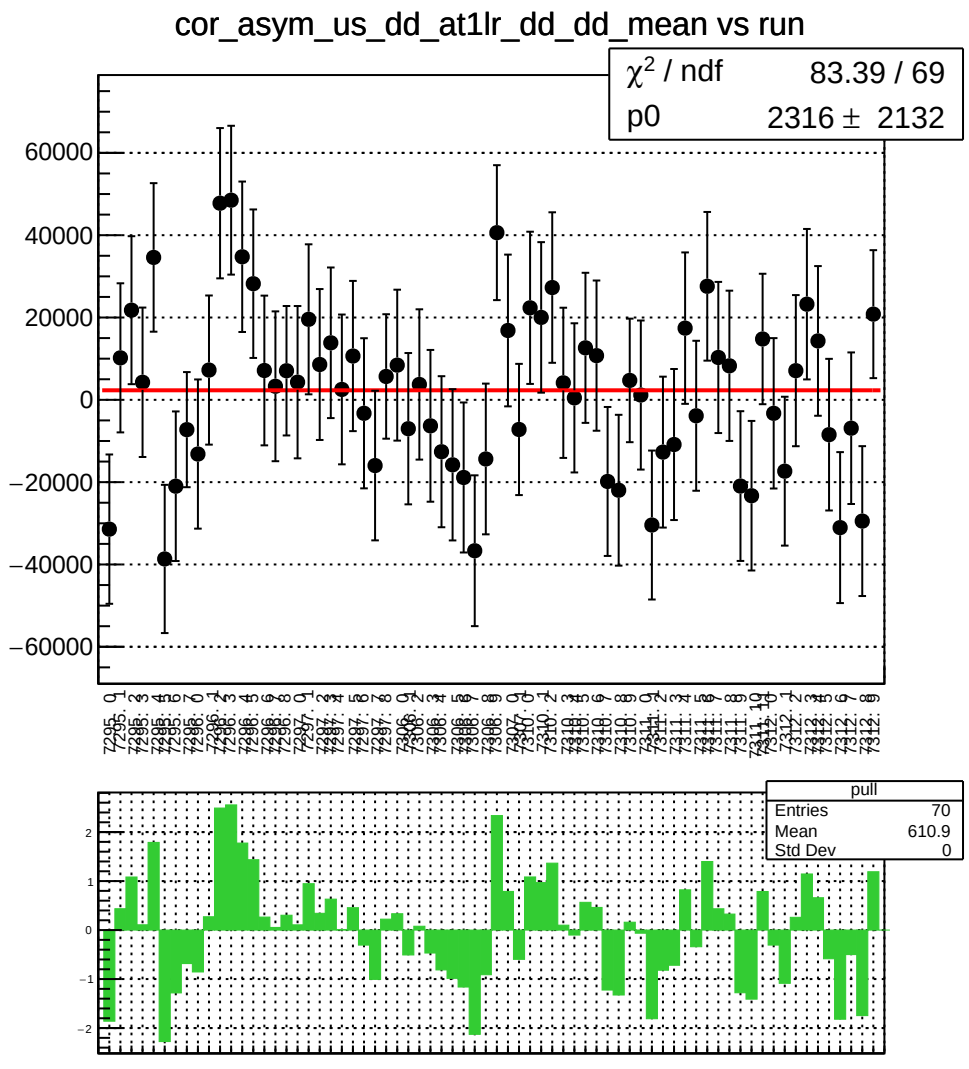

pull1D
Entries 70
Mean −0.006153
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

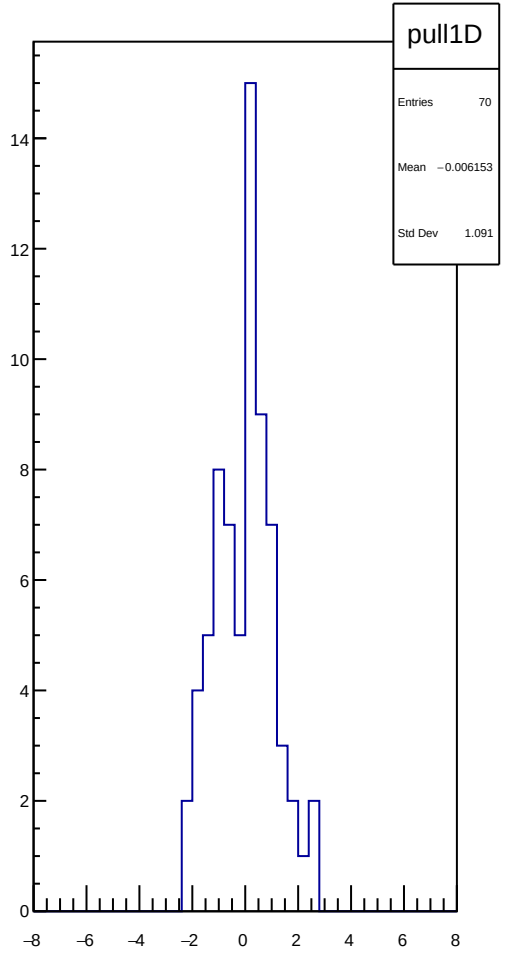

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 63.03 / 69
p0 1731 ± 1.507
1770
1760
1750
1740
1730
1720
1710
1700
1690

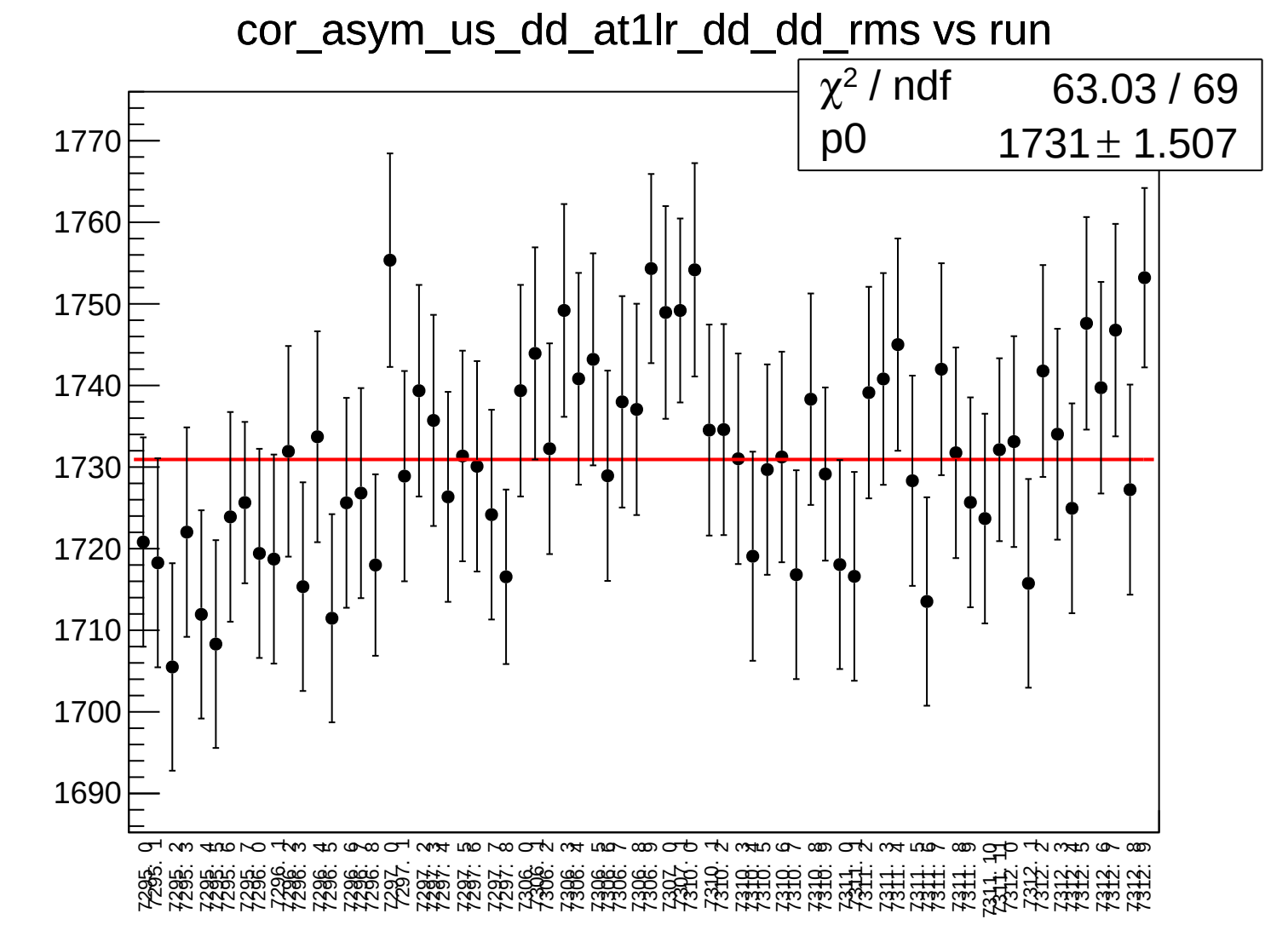

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 80.37 / 69
p0 −1733 ± 1050
pull
Entries 70
Mean 344.3
Std Dev 0

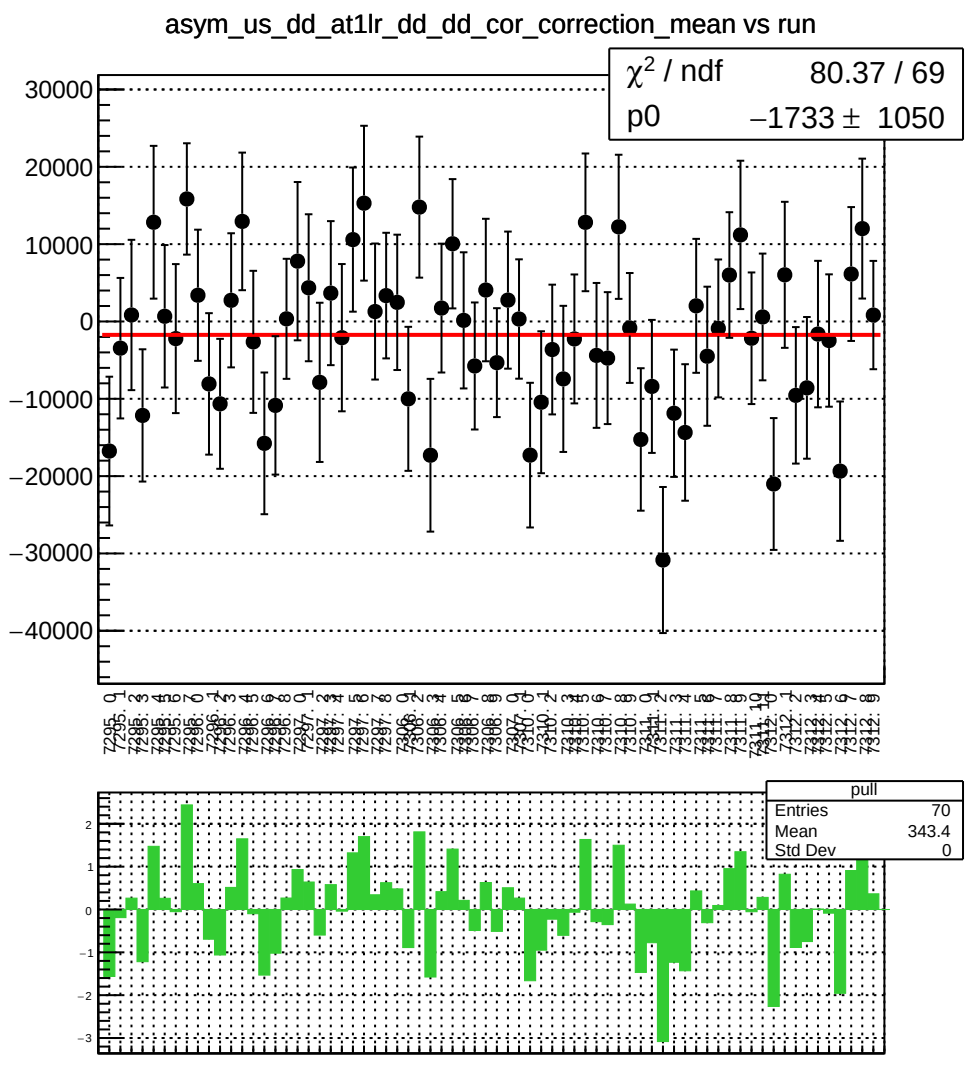

pull1D
Entries 70
Mean −0.008521
Std Dev 1.071

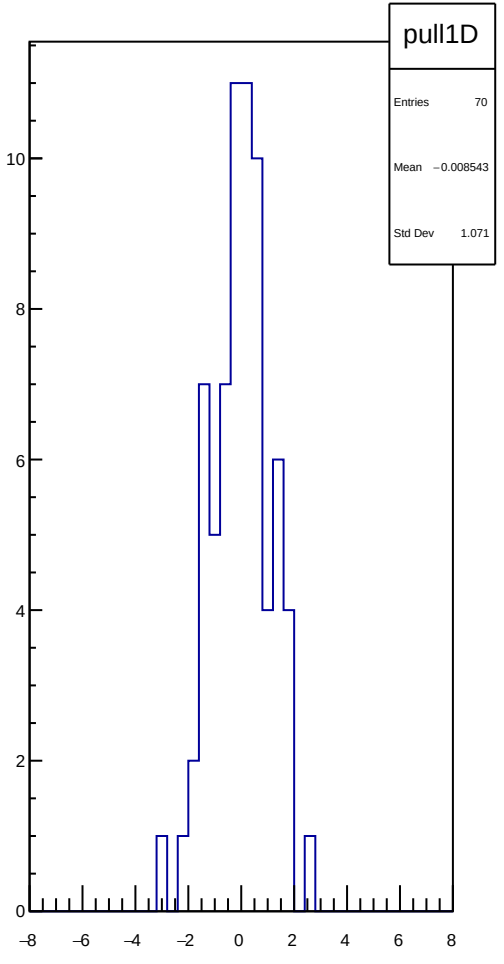

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4222 / 69
p0 851.3 ± 0.7425
1000
950
900
850
800
750

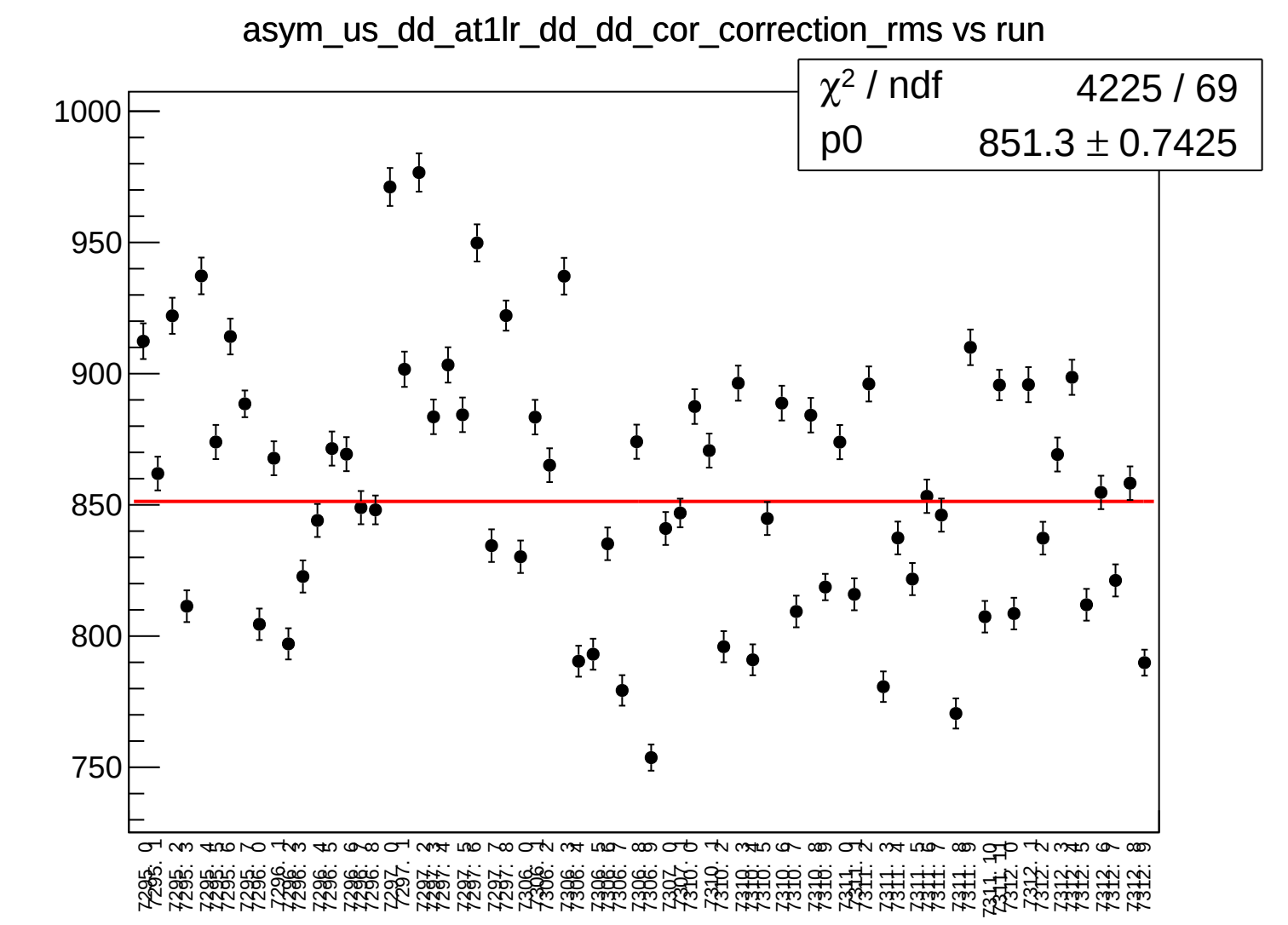

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 83.39 / 69
p0 2316 ± 2132
pull
Entries 70
Mean 610.9
Std Dev 0

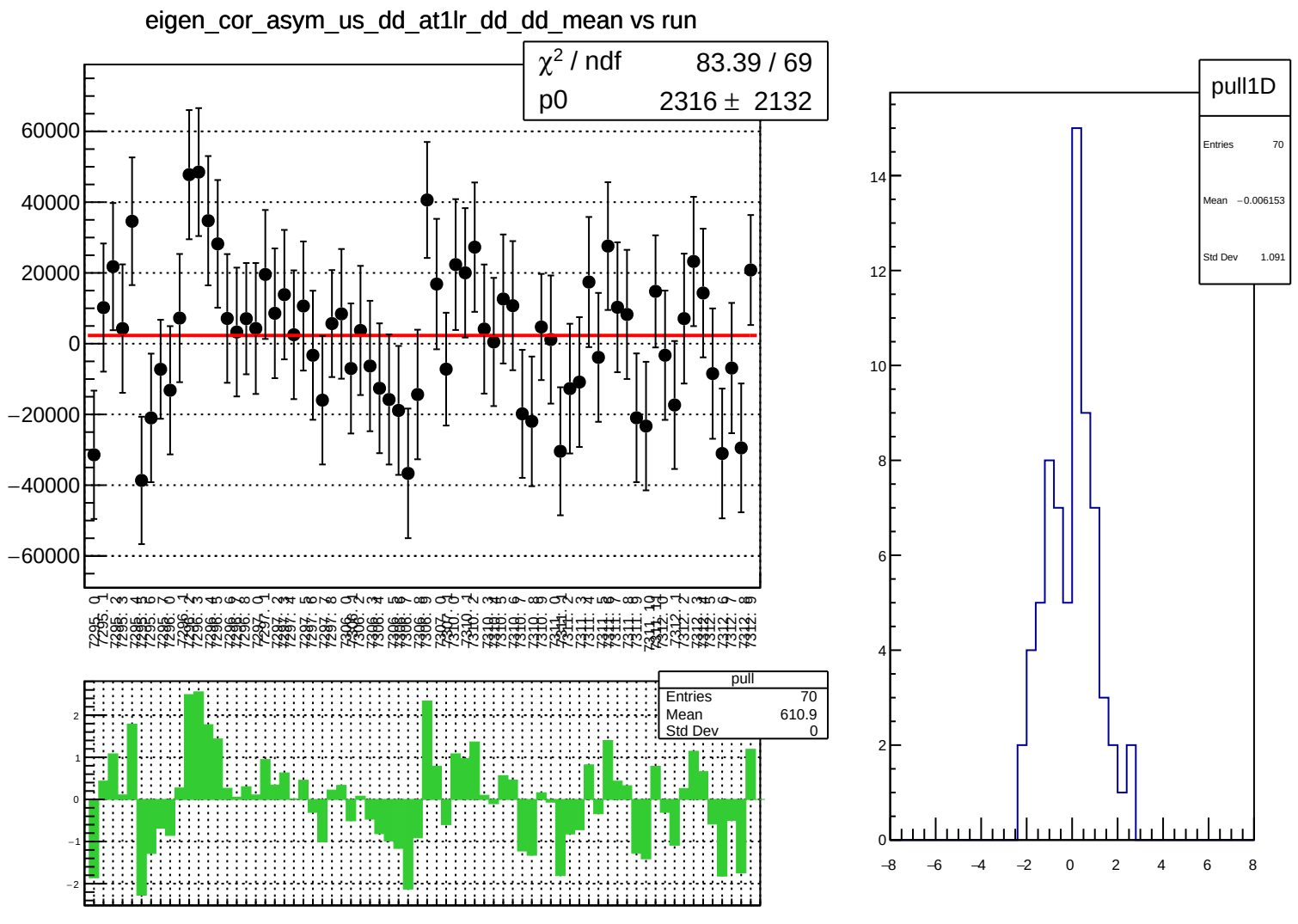

pull1D
Entries 70
Mean −0.006153
Std Dev 1.091

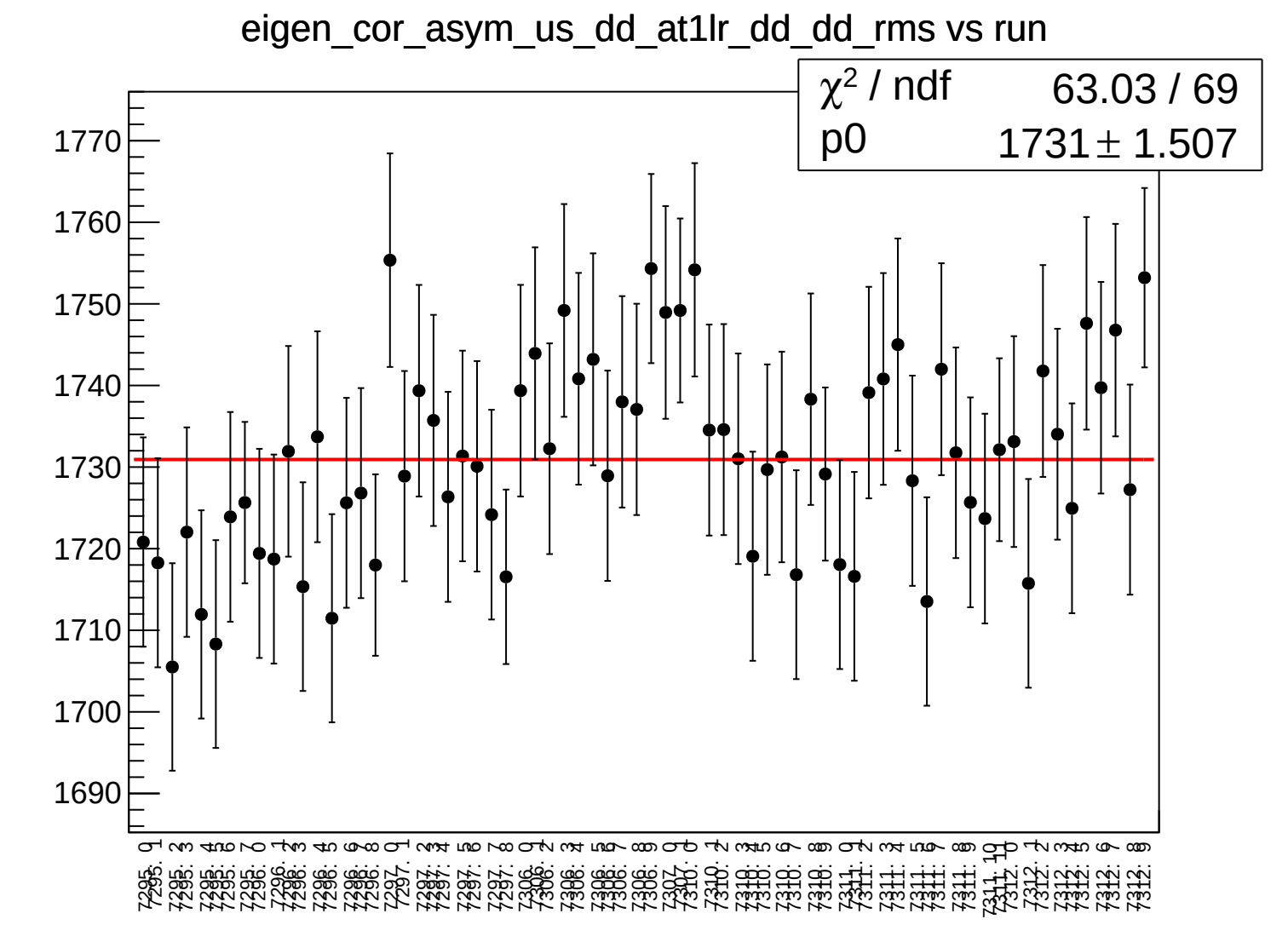

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 63.03 / 69
p0 1731 ± 1.507
1770
1760
1750
1740
1730
1720
1710
1700
1690

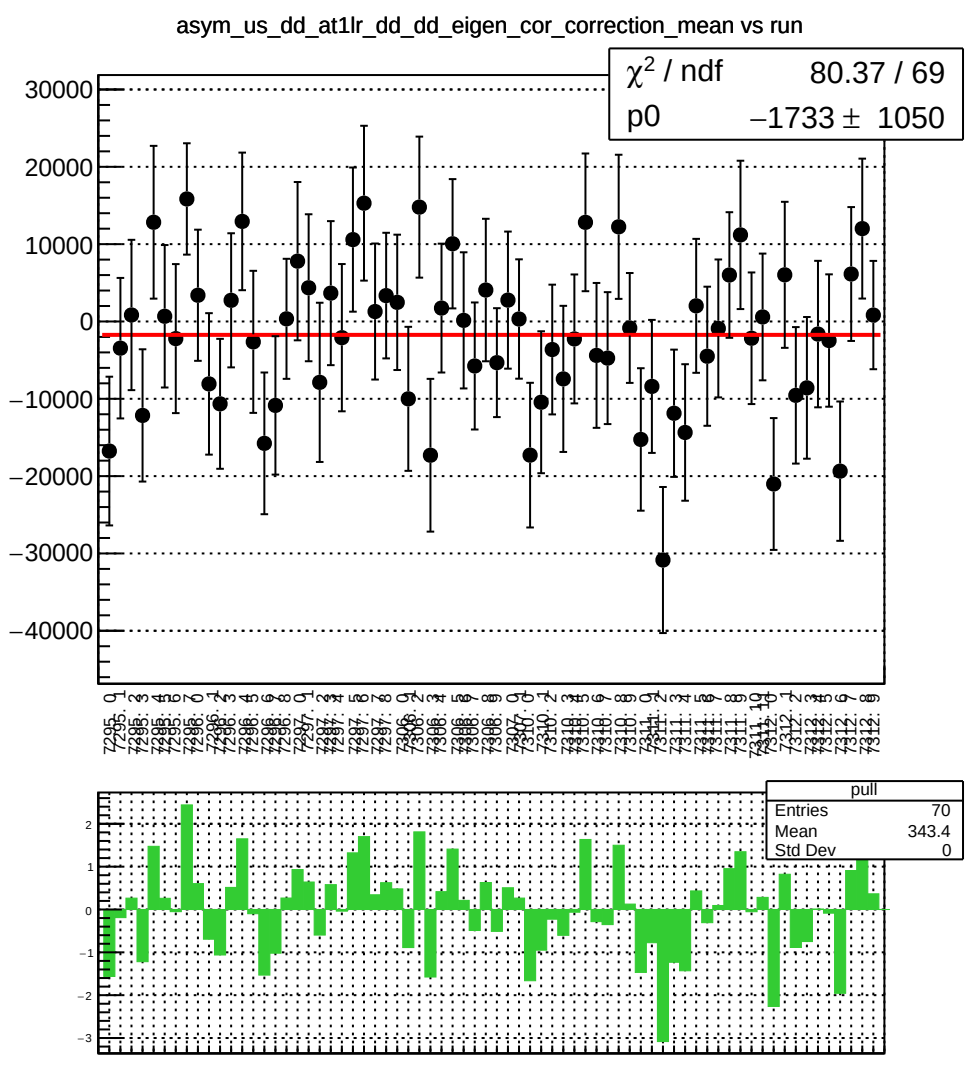

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 80.37 / 69
p0 −1733 ± 1050
pull
Entries 70
Mean 343.4
Std Dev 0

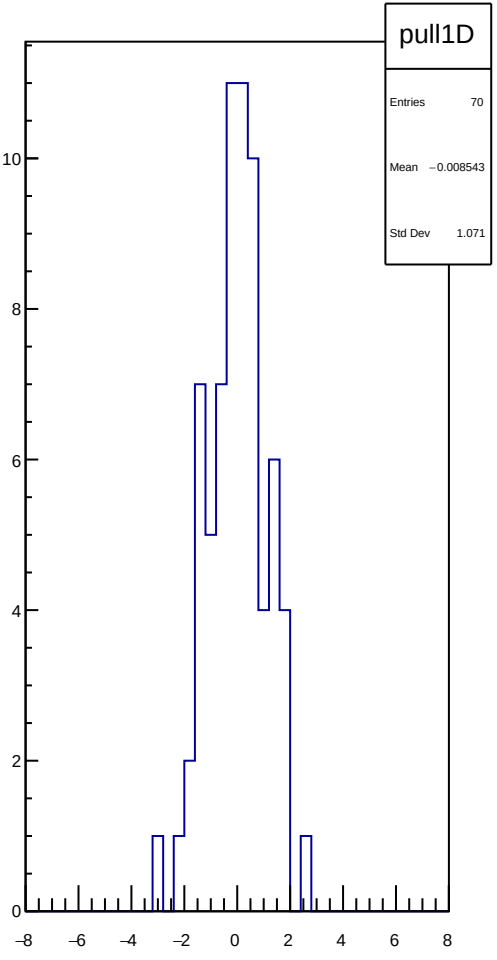

pull1D
Entries 70
Mean −0.008543
Std Dev 1.071

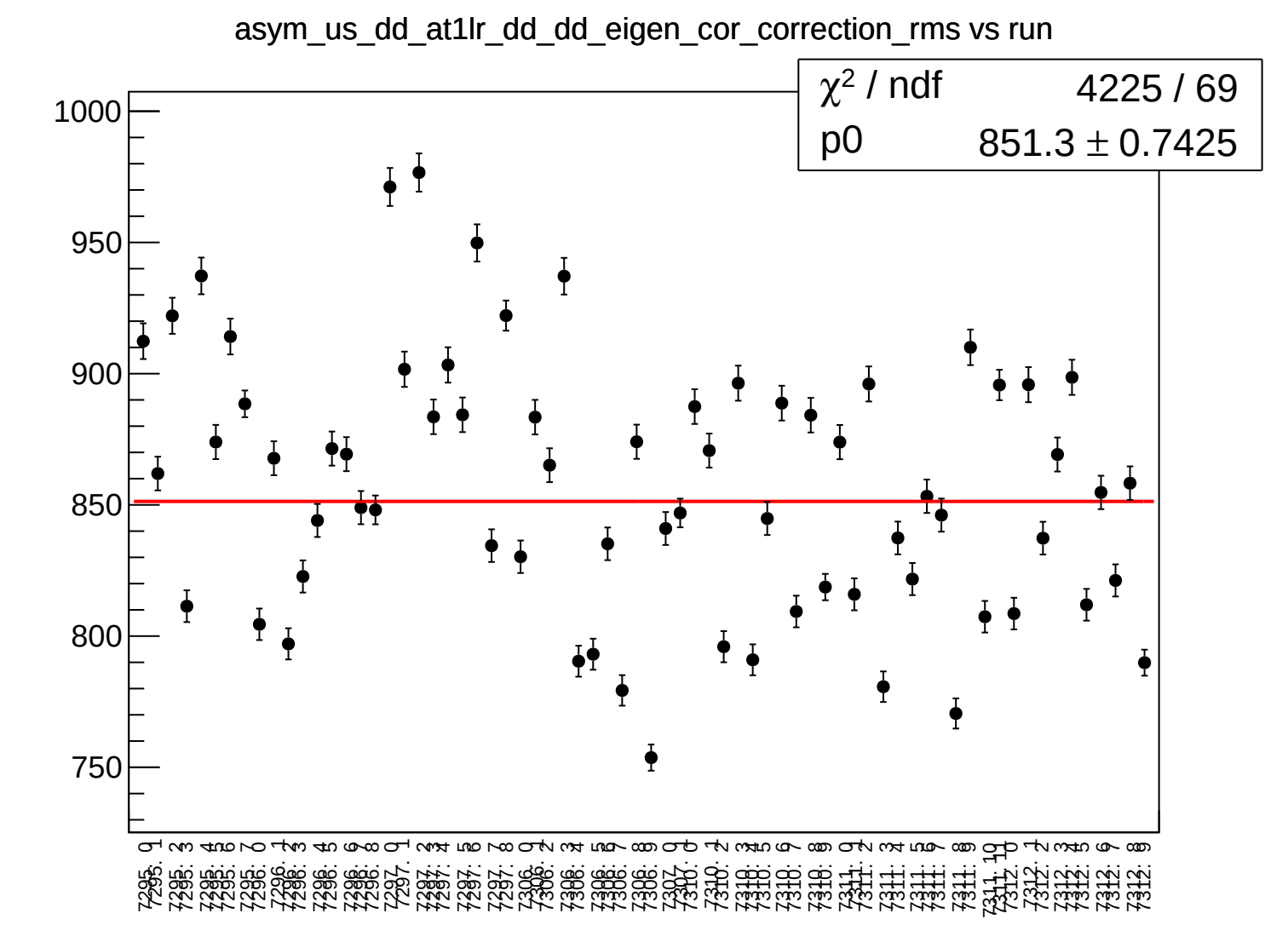

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4225 / 69
p0 851.3 ± 0.7425
1000
950
900
850
800
750

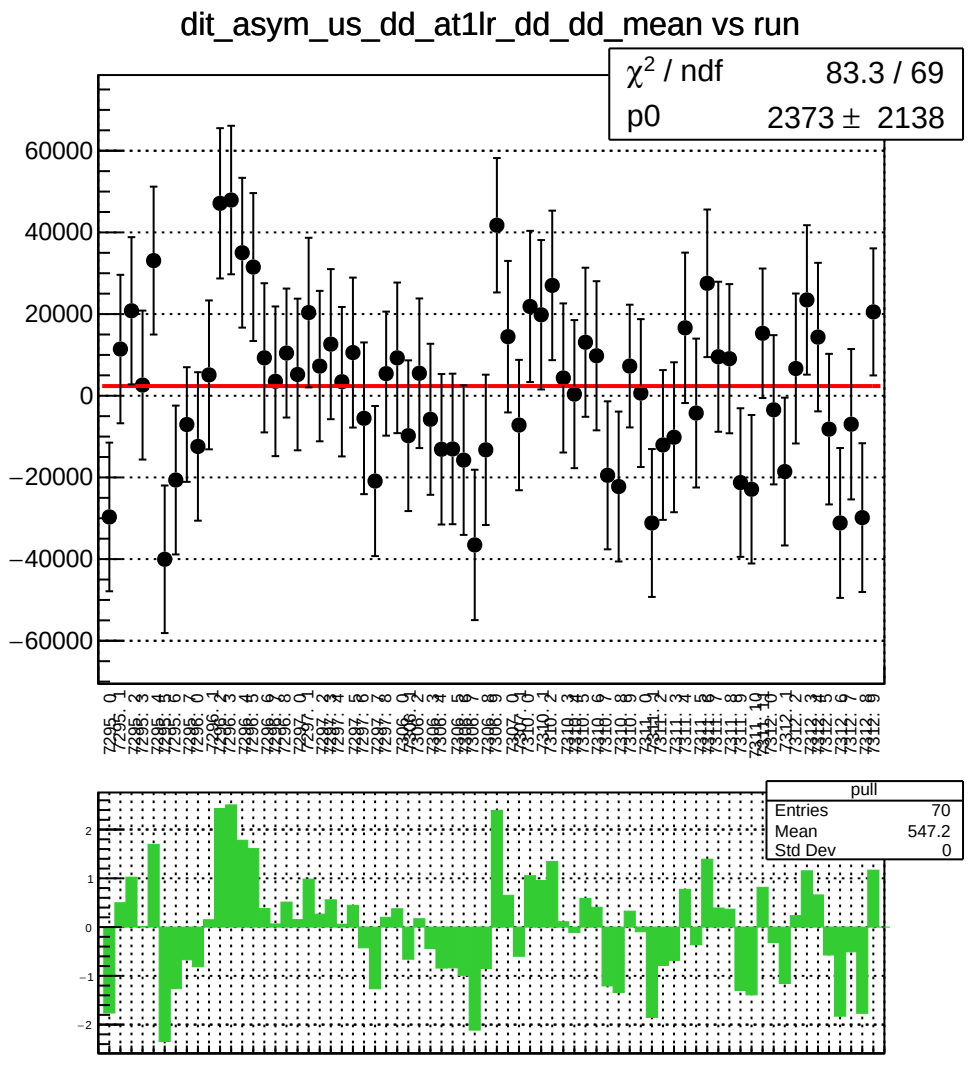

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 83.39 / 69
p0 2316 ± 2132
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 610.9
Std Dev 0
pull1D
Entries 70
Mean −0.006153
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

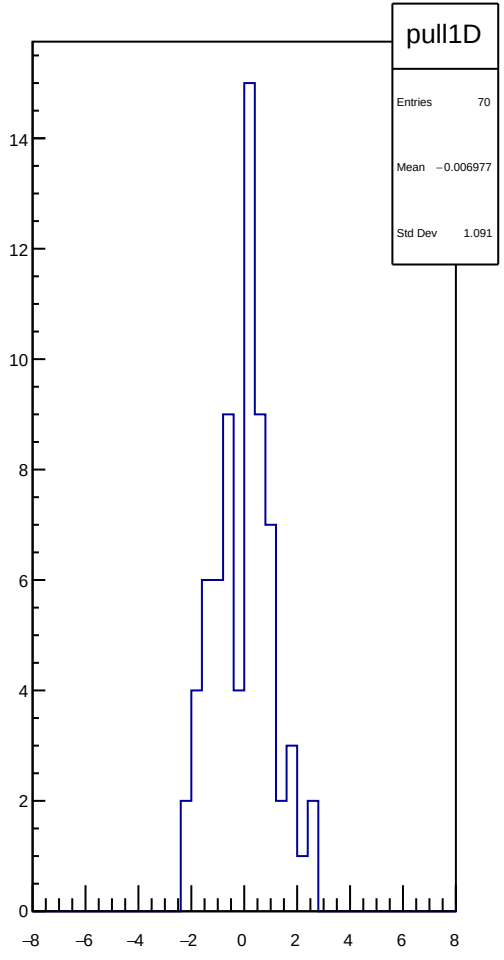

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 63.03 / 69
p0 1731 ± 1.507
1770
1760
1750
1740
1730
1720
1710
1700
1690

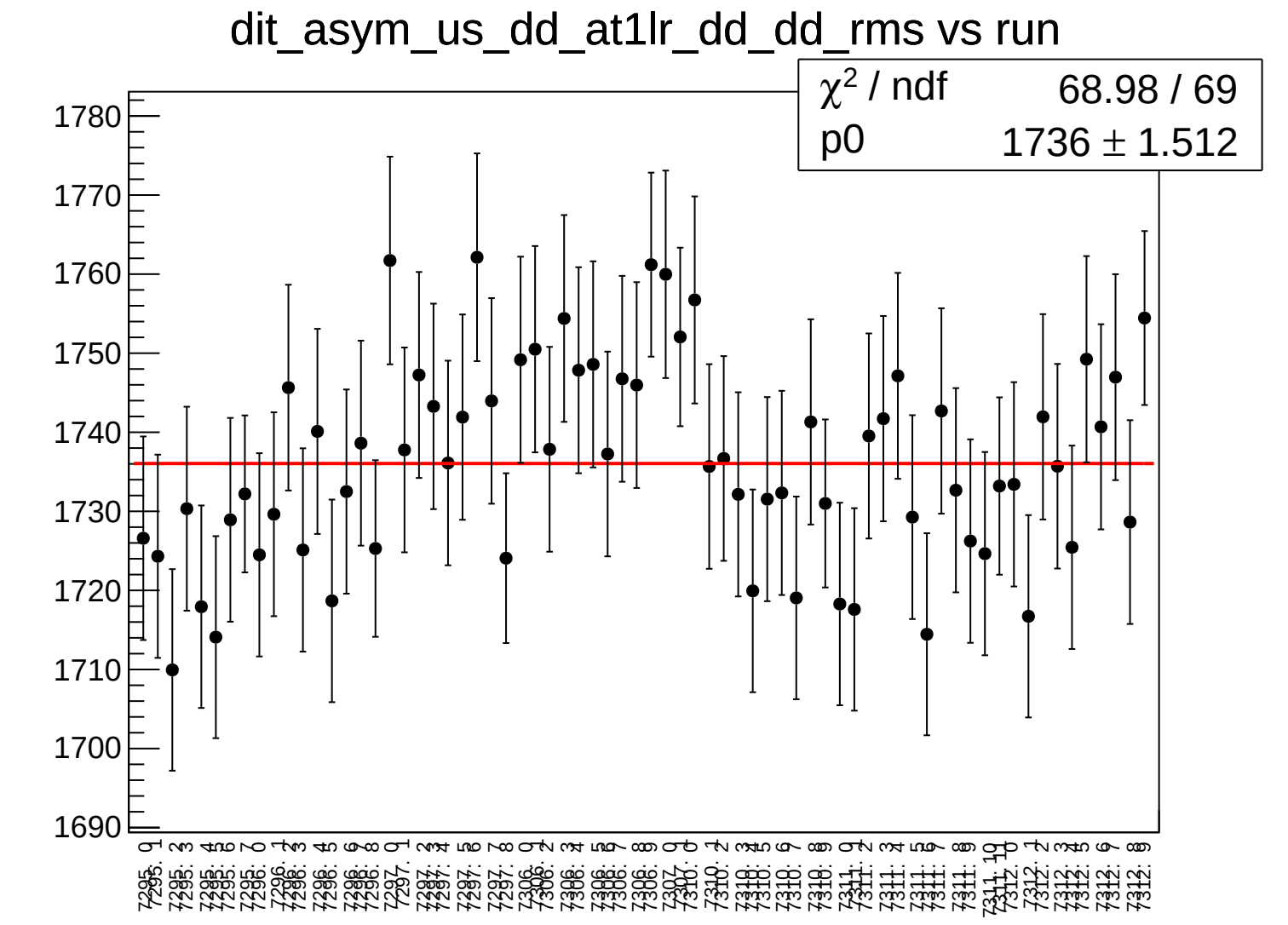

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 80.37 / 69
p0 −1733 ± 1050
pull
Entries 70
Mean 343.4
Std Dev 0

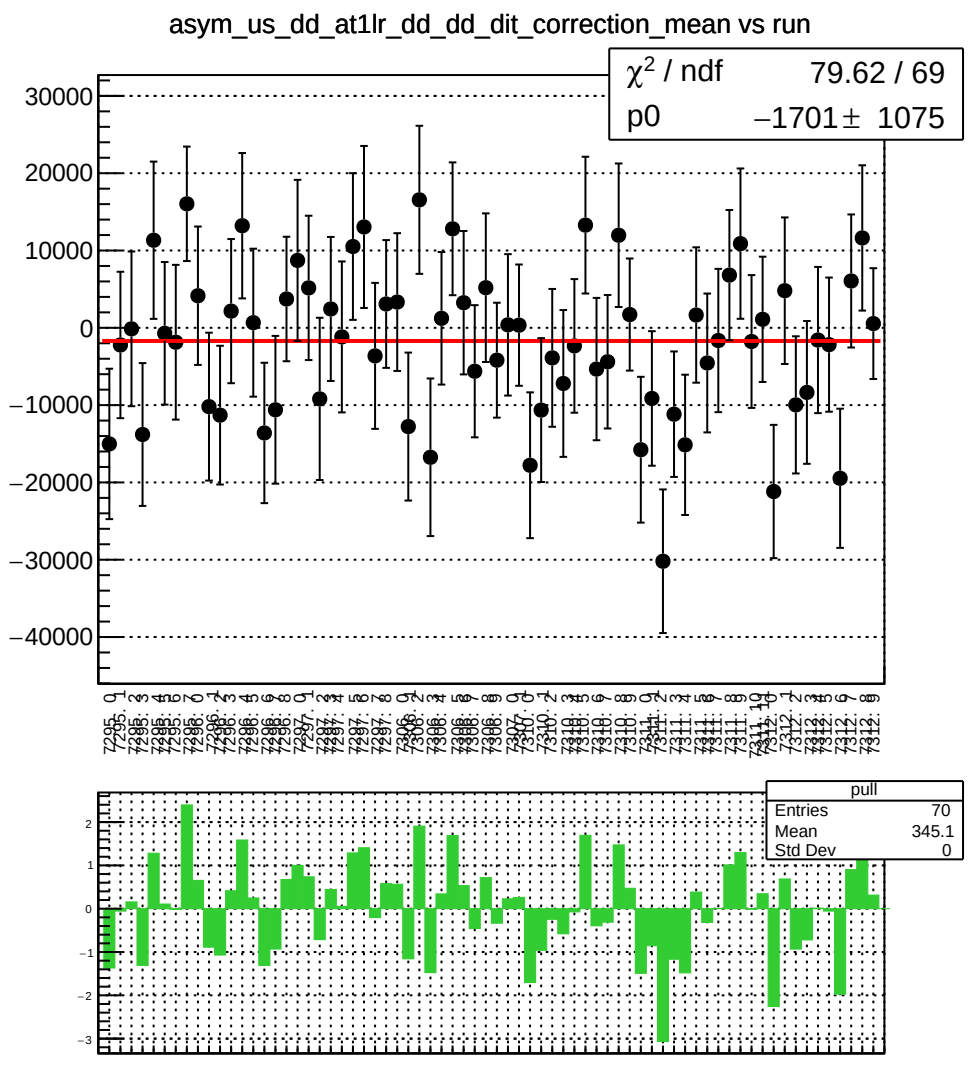

pull1D
Entries 70
Mean −0.008543
Std Dev 1.071

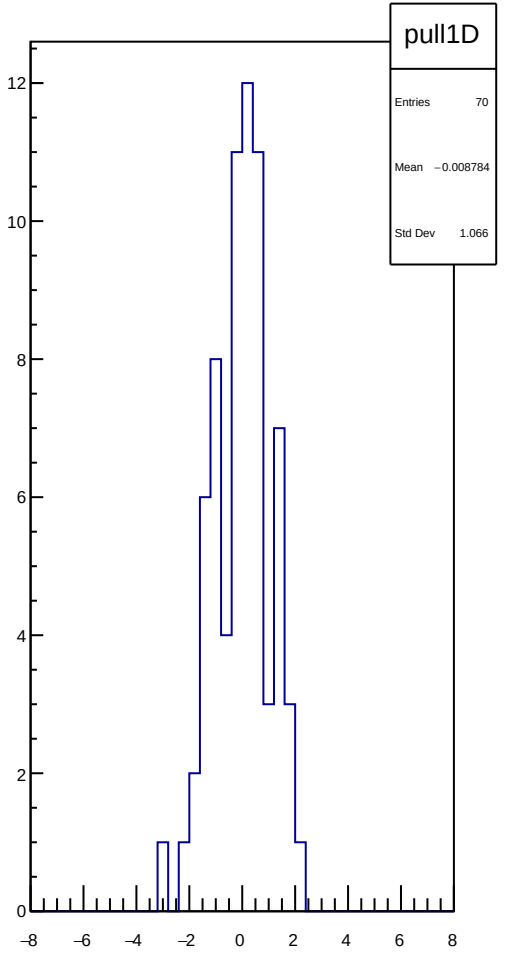

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4225 / 69
p0 851.3 ± 0.7425
1000
950
900
850
800
750

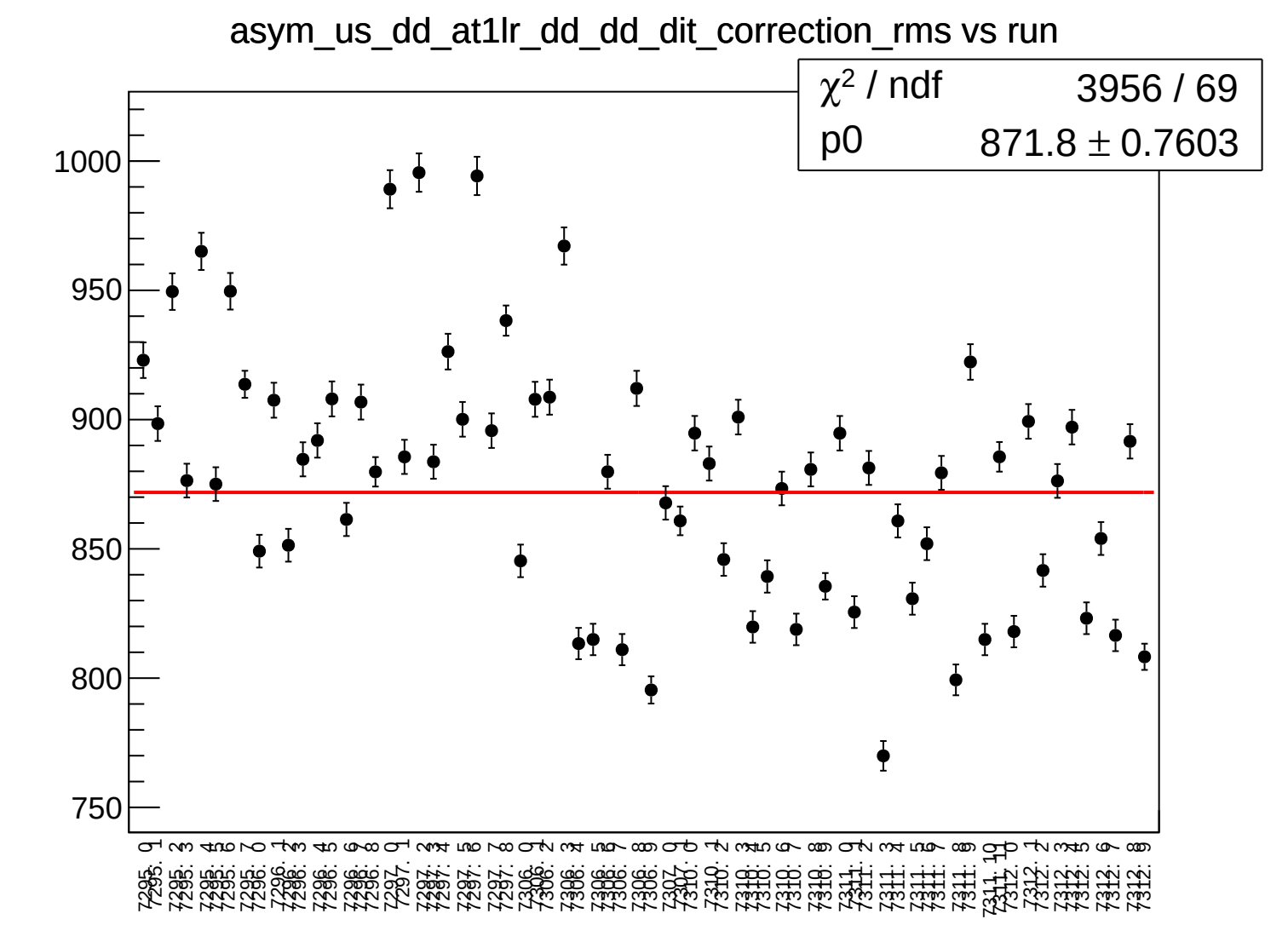

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 83.3 / 69
p0 2373 ± 2138
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 547.2
Std Dev 0
2
1
0
−1
−2

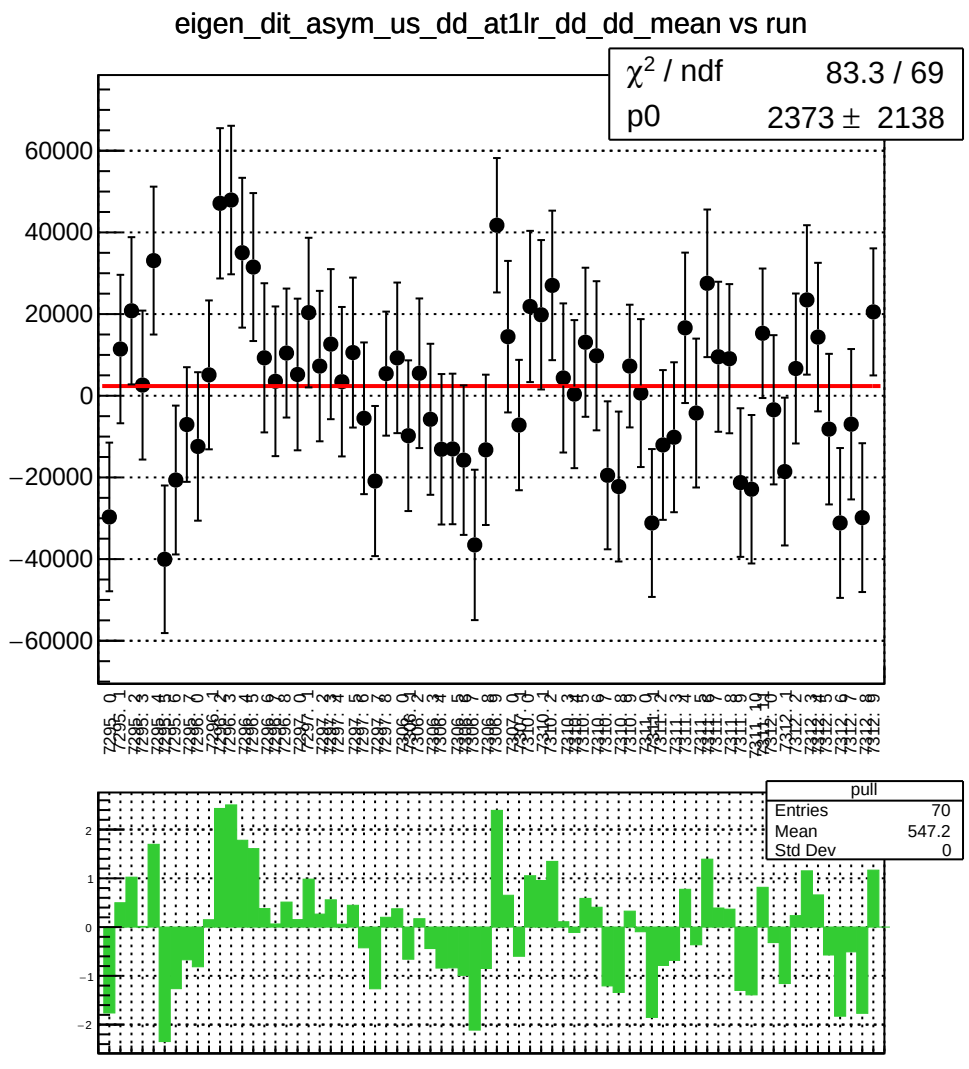

pull1D
Entries 70
Mean −0.006977
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

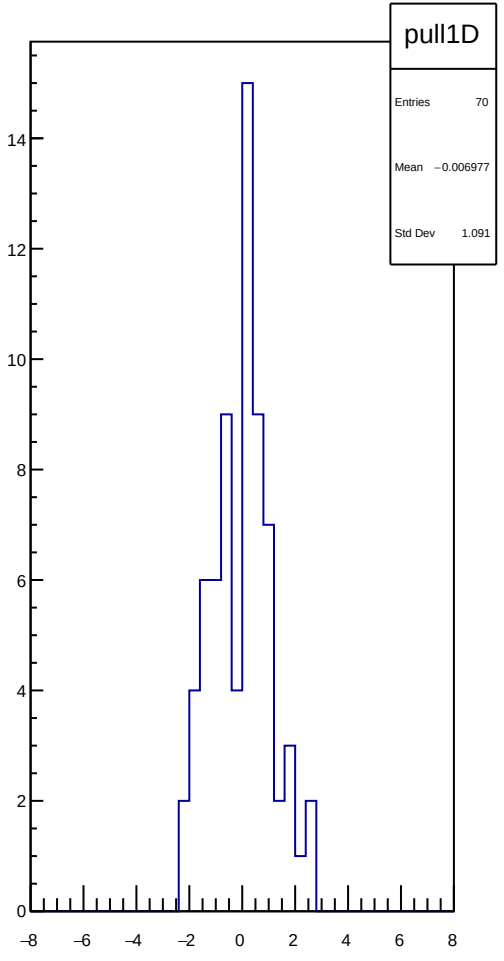

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 68.98 / 69
p0 1736 ± 1.512
1780
1770
1760
1750
1740
1730
1720
1710
1700
1690

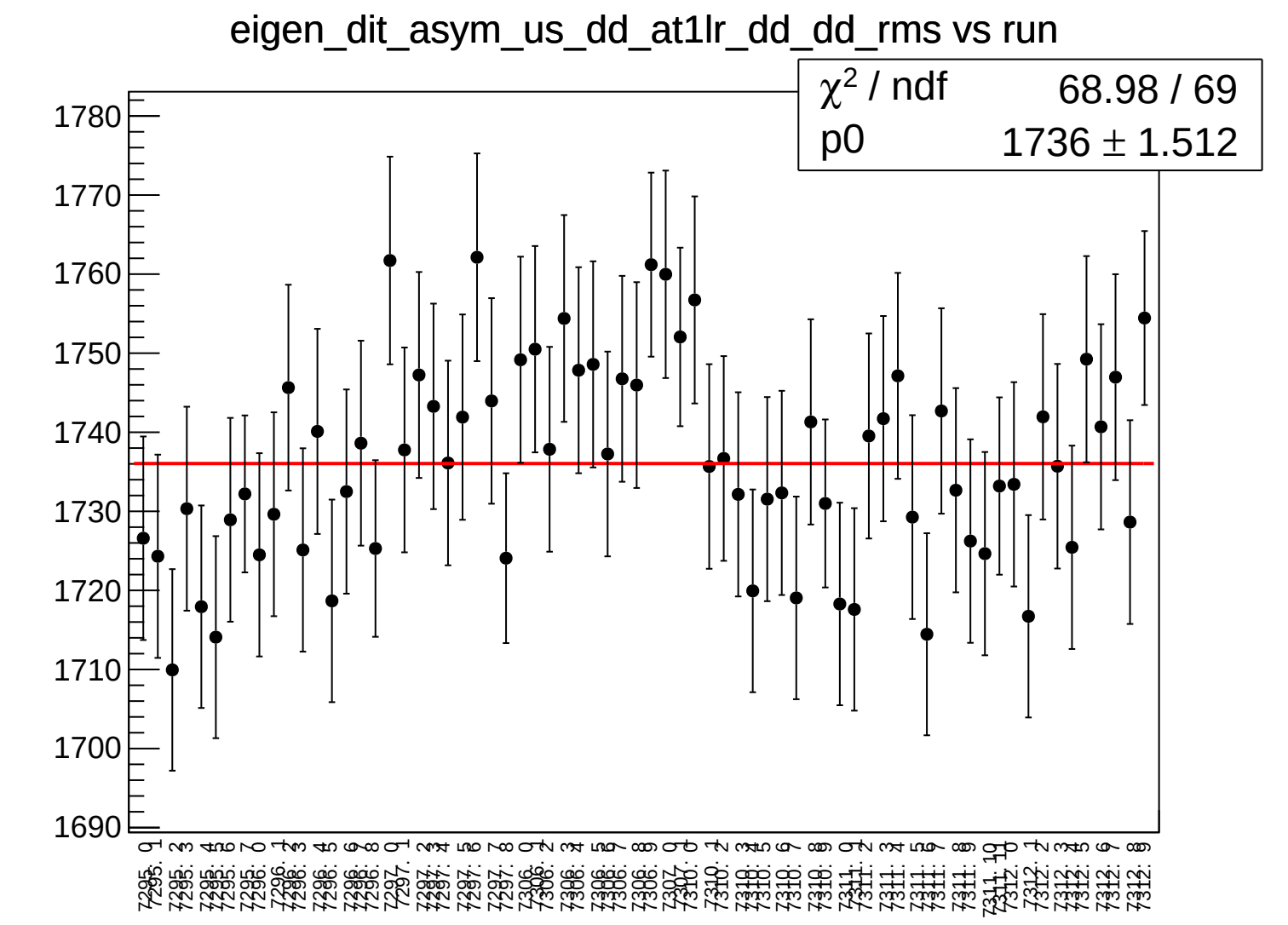

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1701 ± 1075
pull
Entries 70
Mean 345.1
Std Dev 0

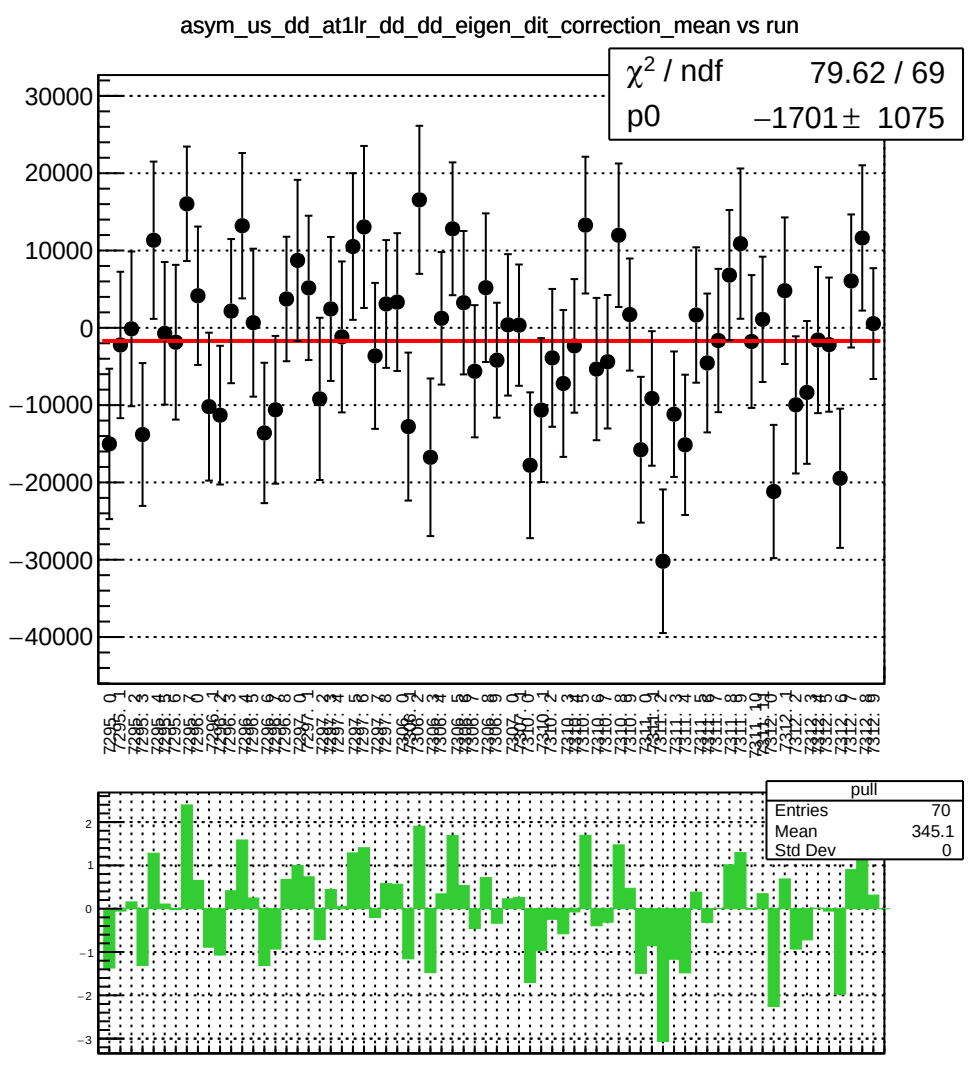

pull1D
Entries 70
Mean −0.008784
Std Dev 1.066

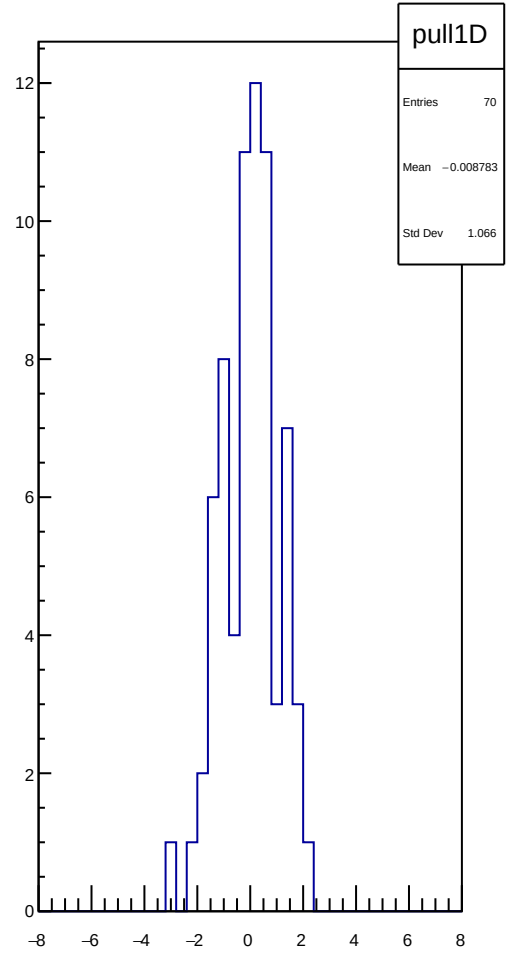

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3956 / 69
p0 871.8 ± 0.7603
1000
950
900
850
800
750

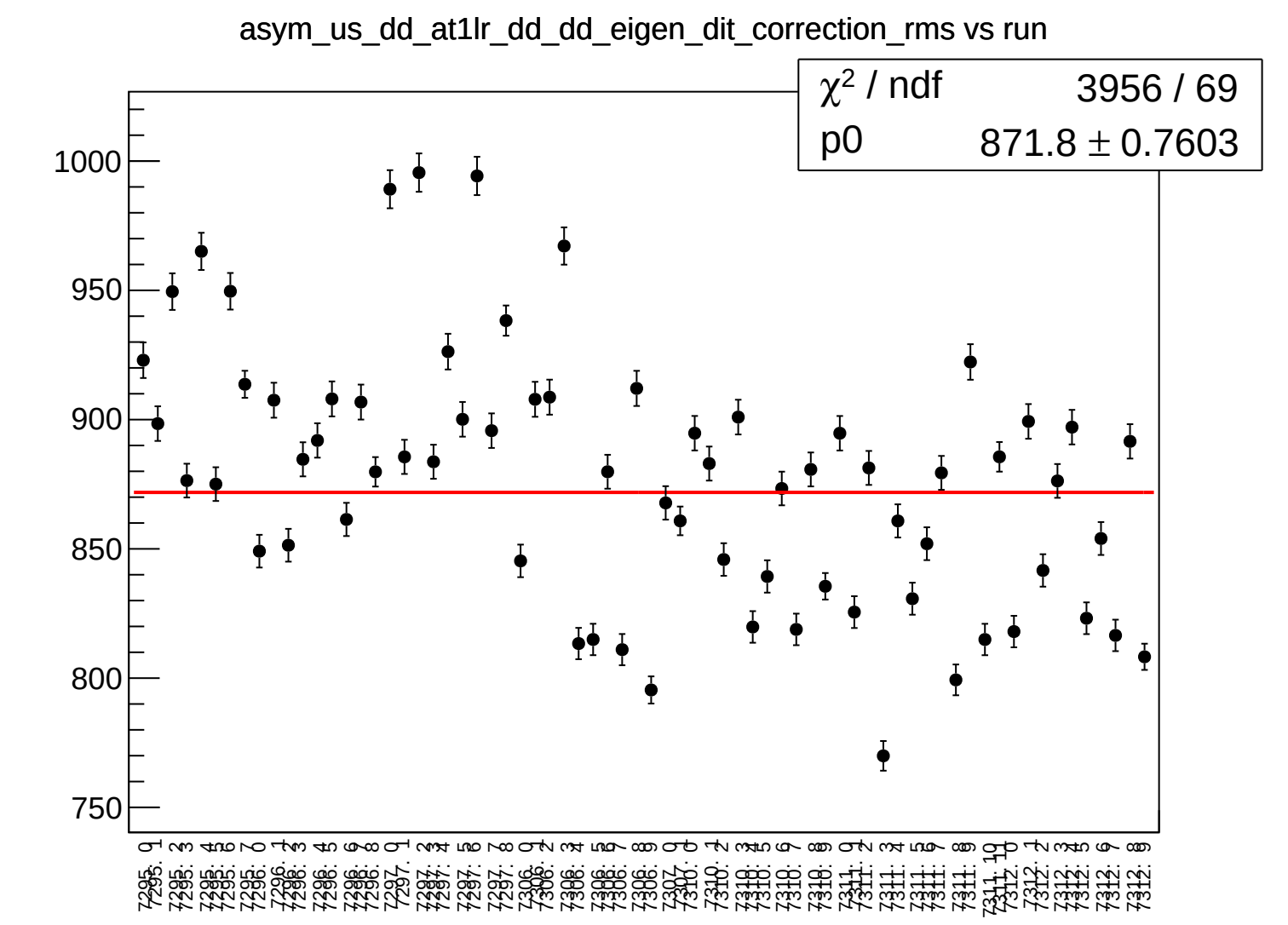

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 83.3 / 69
p0 2373 ± 2138
pull
Entries 70
Mean 547.2
Std Dev 0

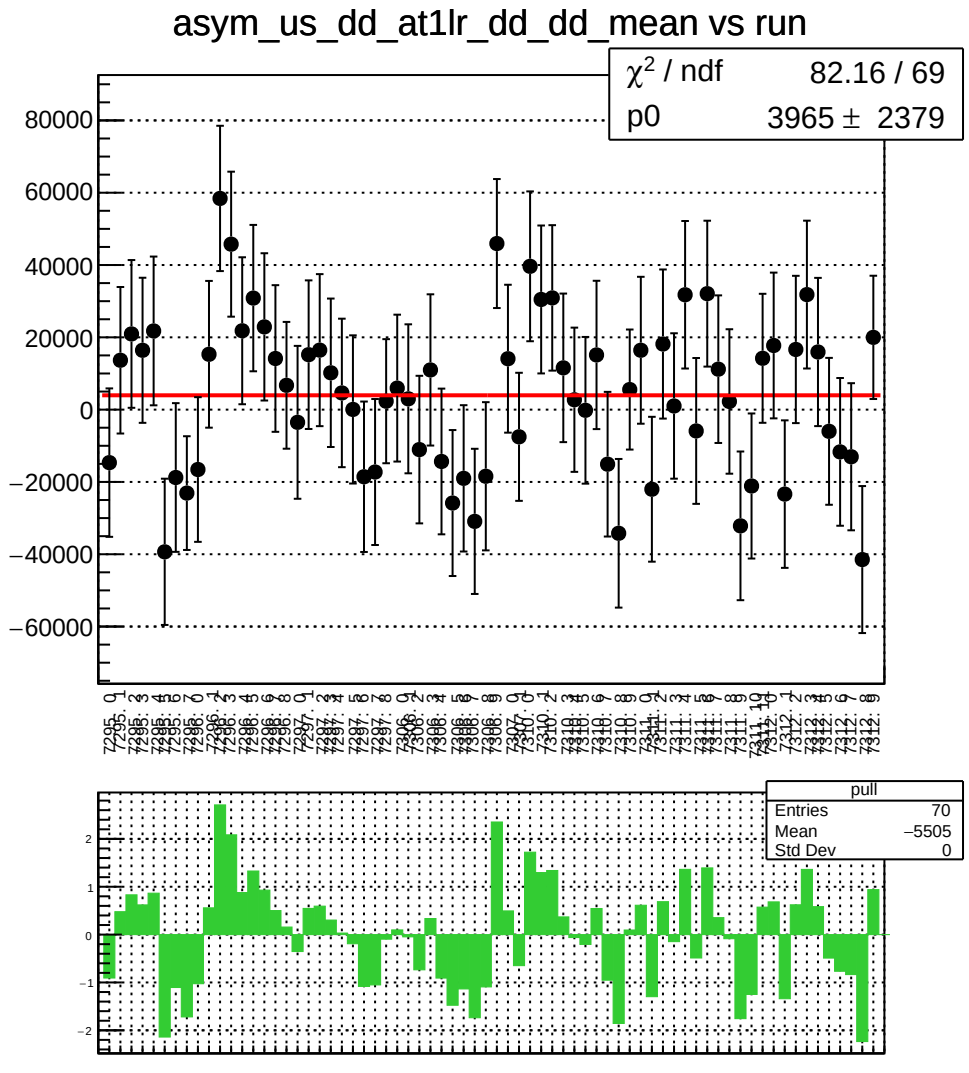

pull1D
Entries 70
Mean −0.006977
Std Dev 1.091

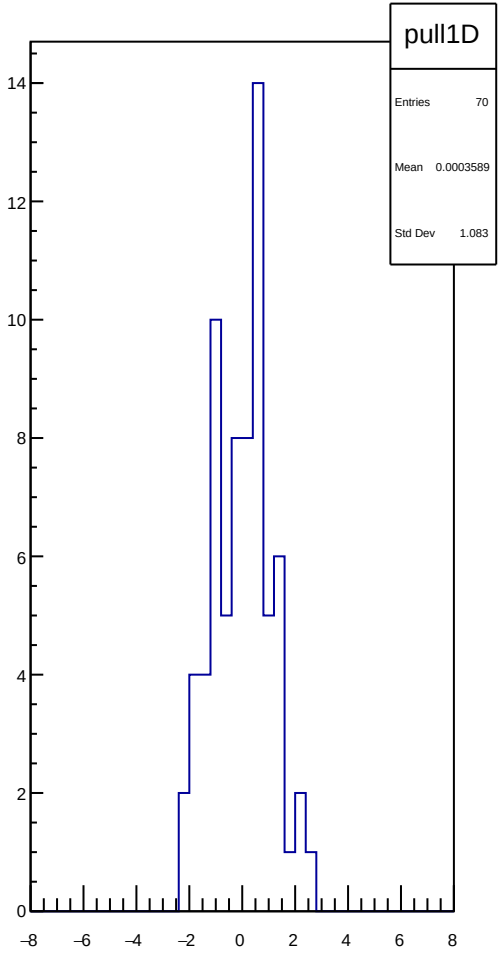

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 68.98 / 69
p0 1736 ± 1.512
1780
1770
1760
1750
1740
1730
1720
1710
1700
1690

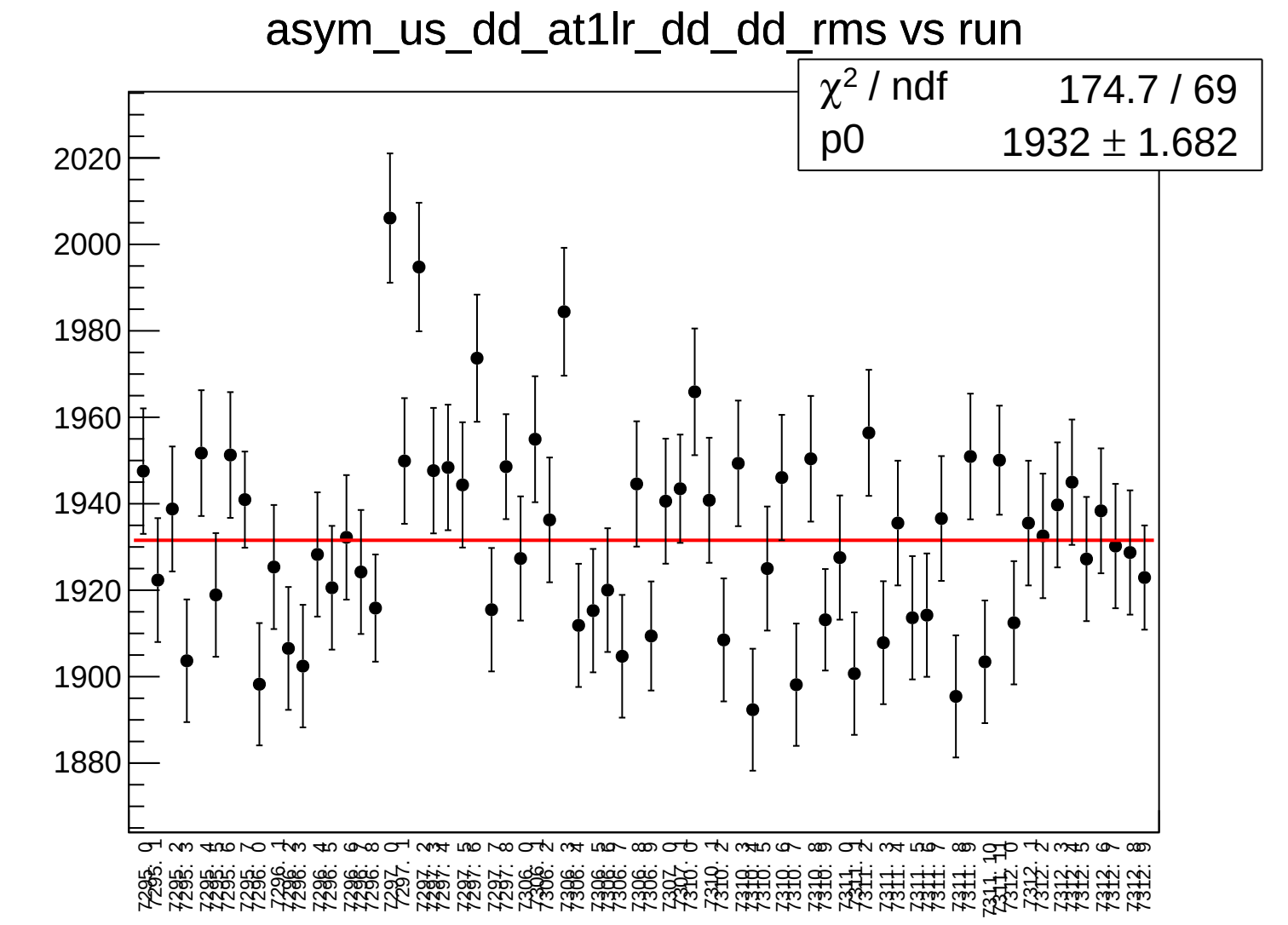

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1701 ± 1075
pull
Entries 70
Mean 345.1
Std Dev 0

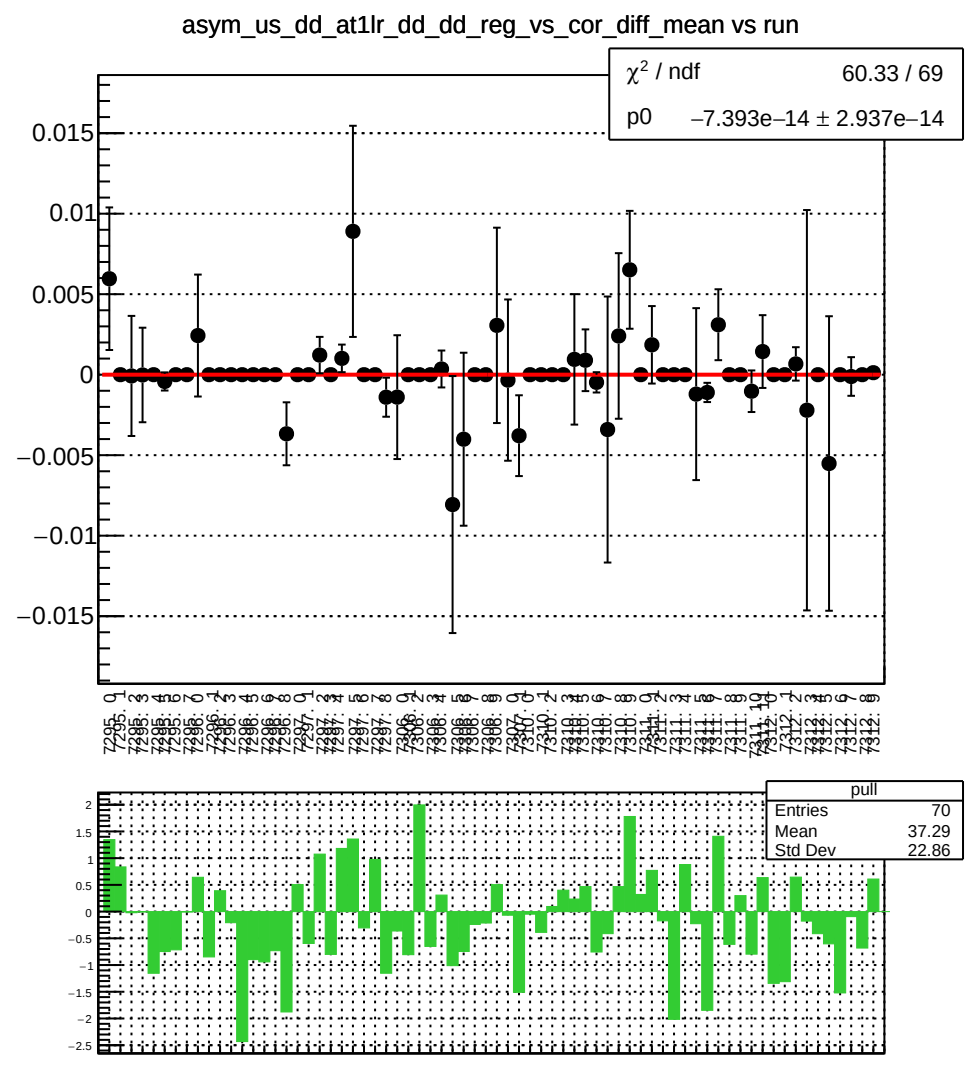

pull1D
Entries 70
Mean −0.008783
Std Dev 1.066

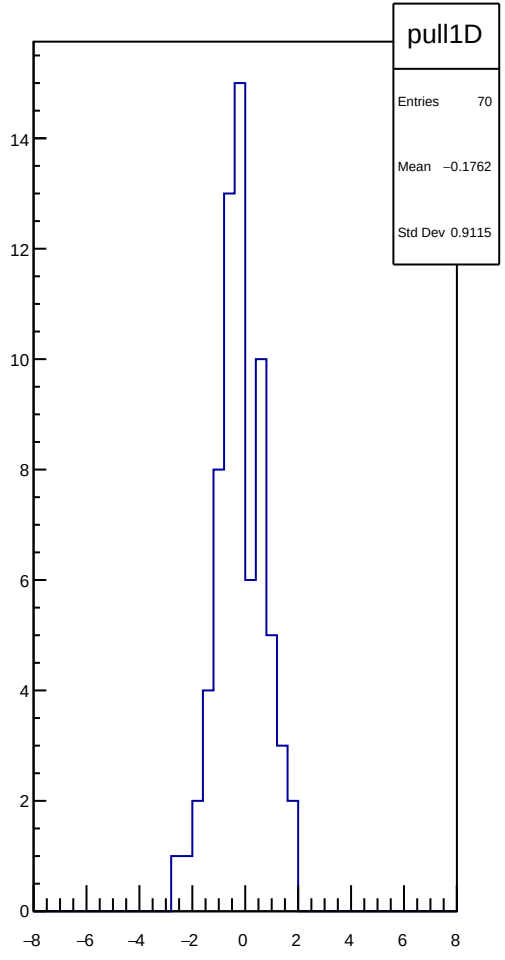

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3956 / 69
p0 871.8 ± 0.7603
1000
950
900
850
800
750

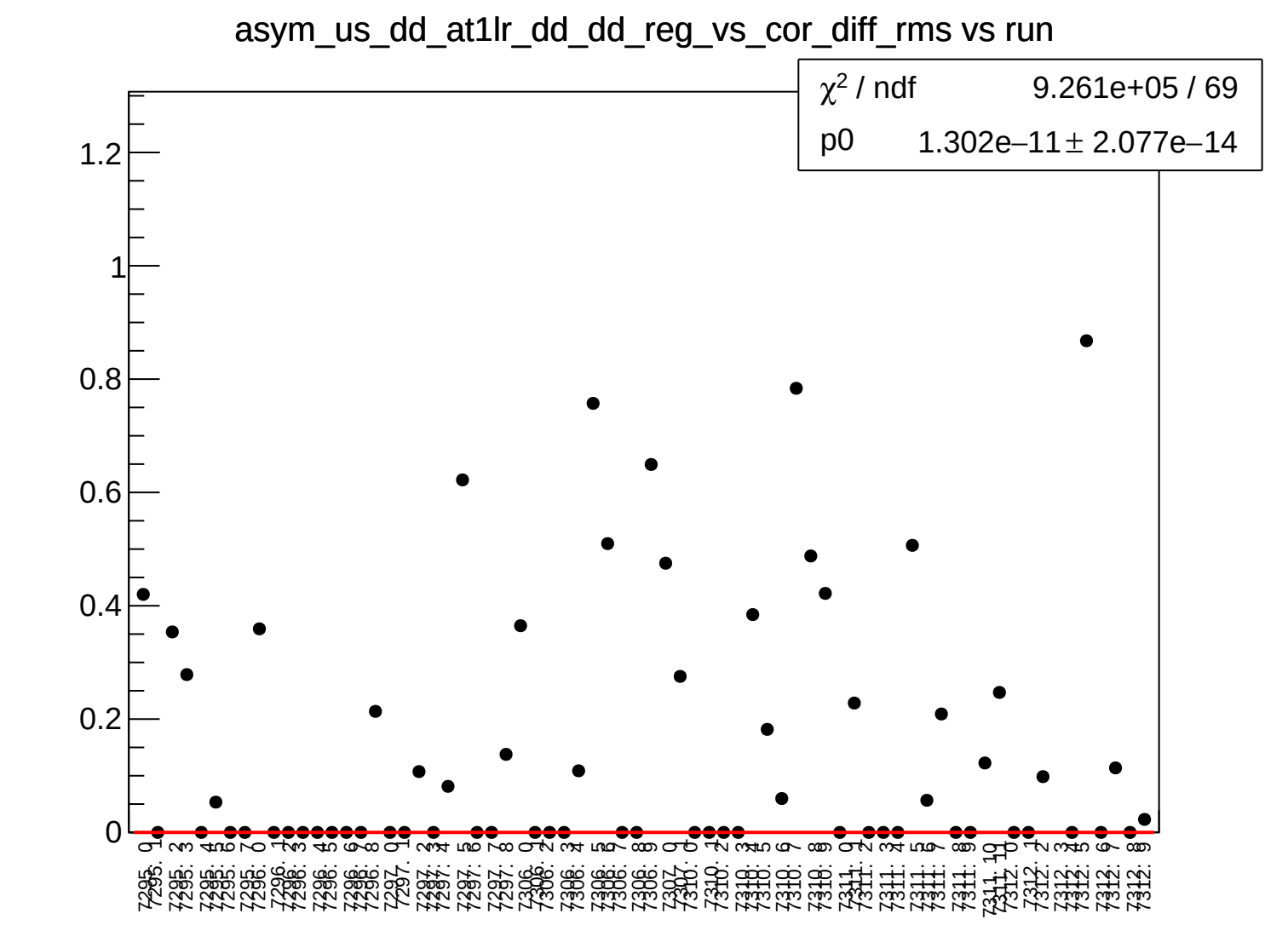

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 82.16 / 69
p0 3965 ± 2379
pull
Entries 70
Mean −5505
Std Dev 0

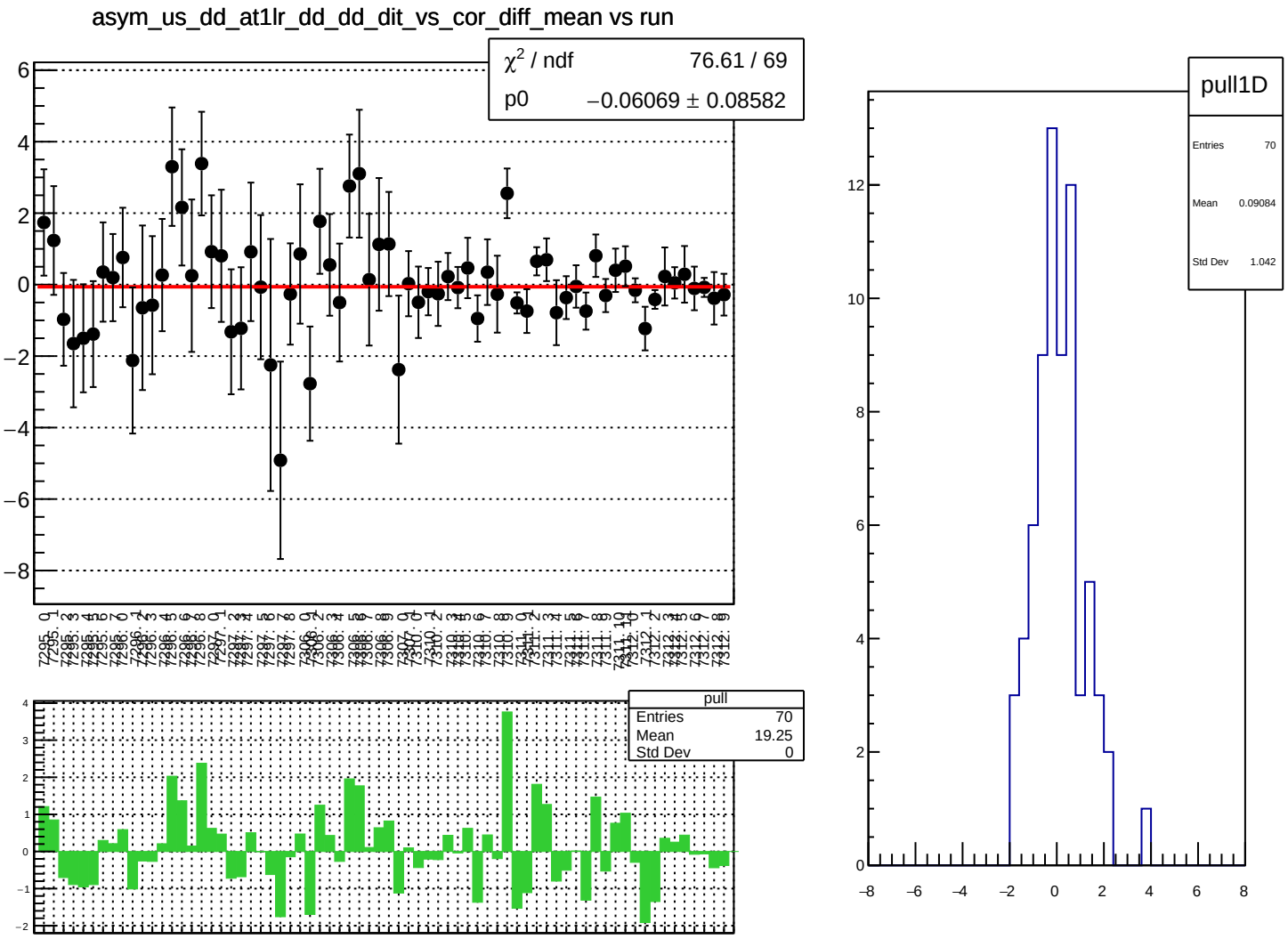

pull1D
Entries 70
Mean 0.0003589
Std Dev 1.083

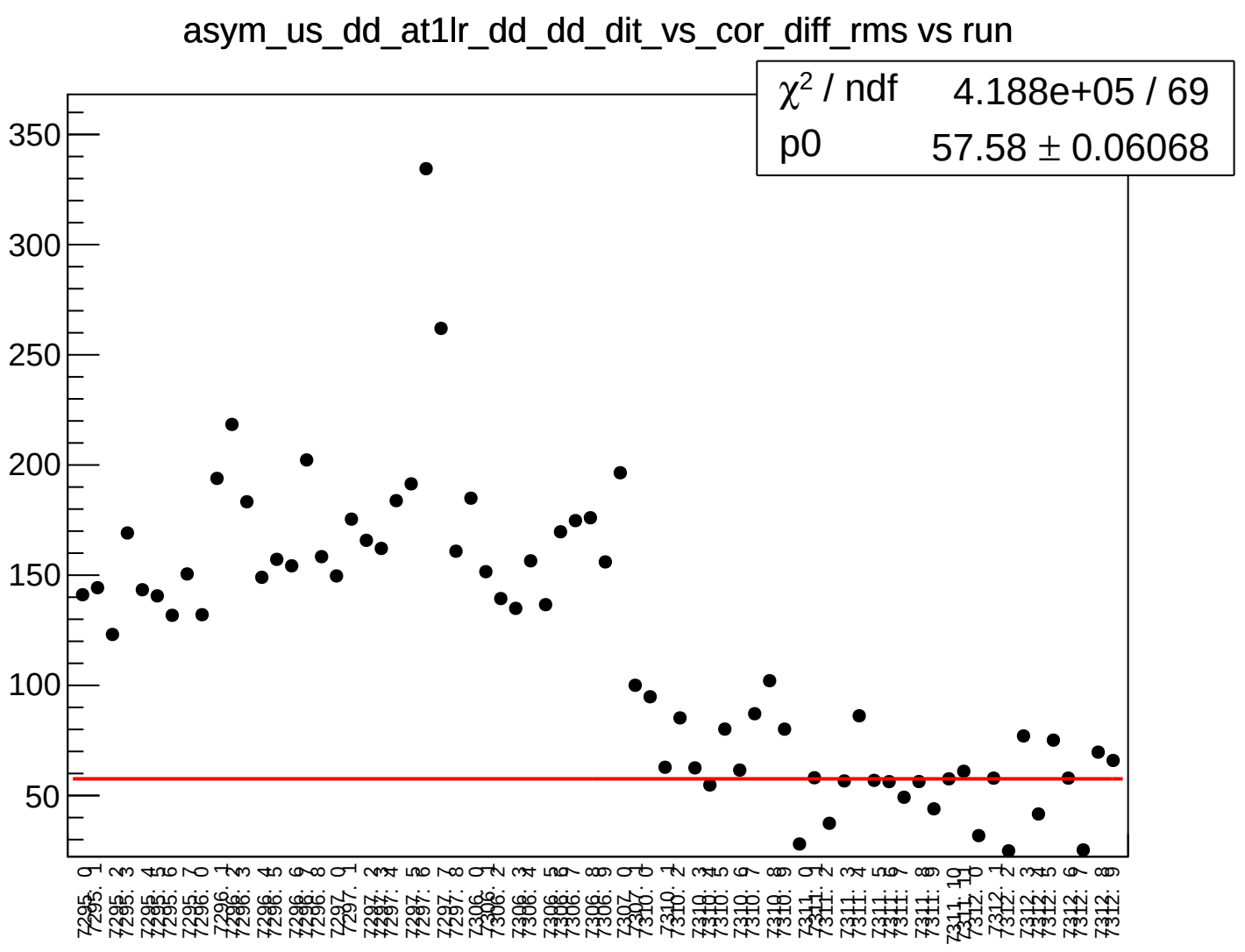

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 174.7 / 69
p0 1932 ± 1.682
2020
2000
1980
1960
1940
1920
1900
1880

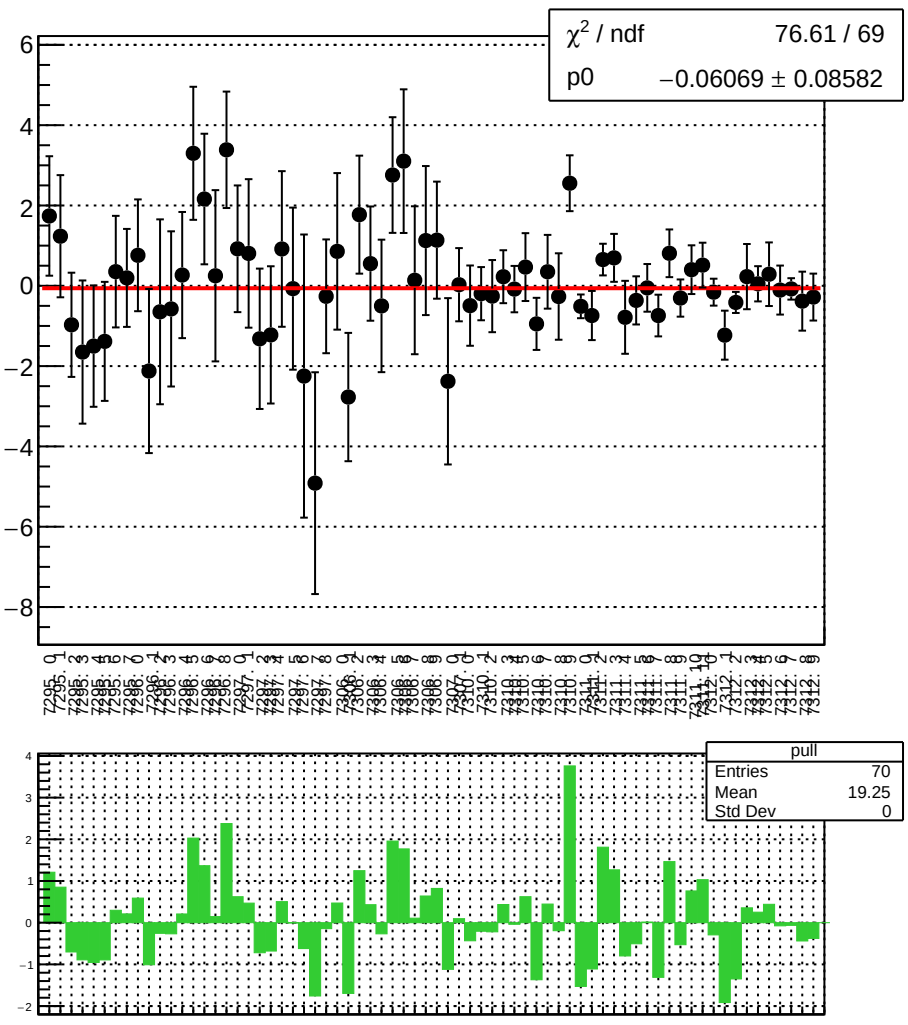

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.33 / 69
p0 −7.393e−14 ± 2.937e−14
pull
Entries 70
Mean 37.29
Std Dev 22.86

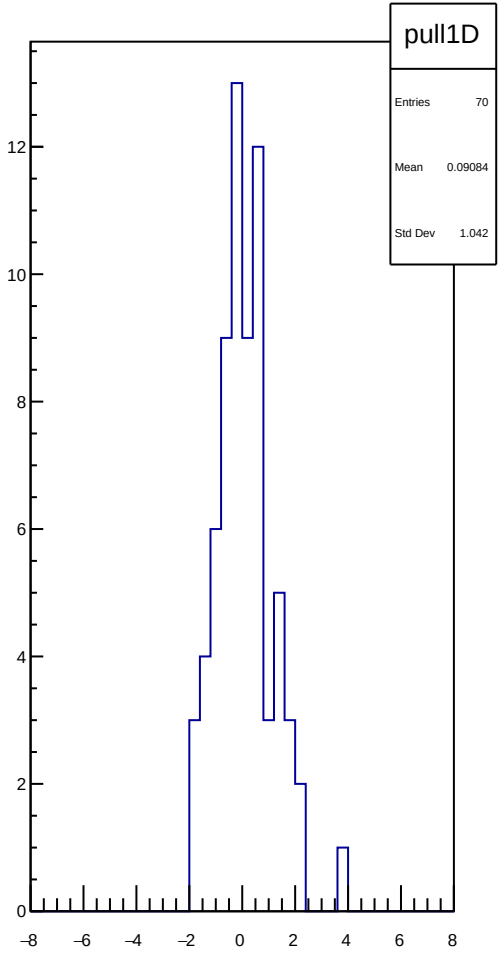

pull1D
Entries 70
Mean −0.1762
Std Dev 0.9115

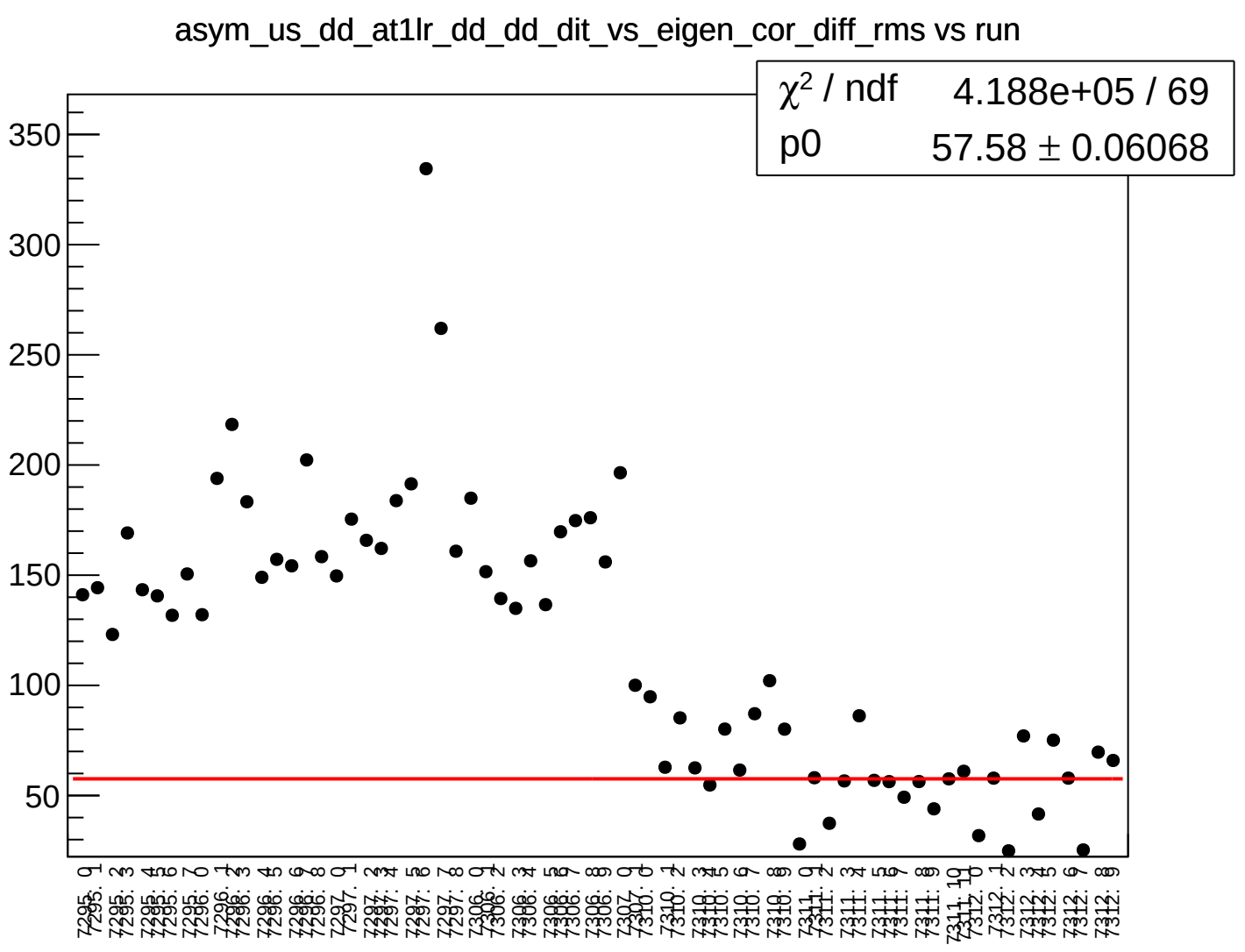

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.261e+05 / 69
p0 1.302e−11 ± 2.077e−14
1.2
1
0.8
0.6
0.4
0.2
0

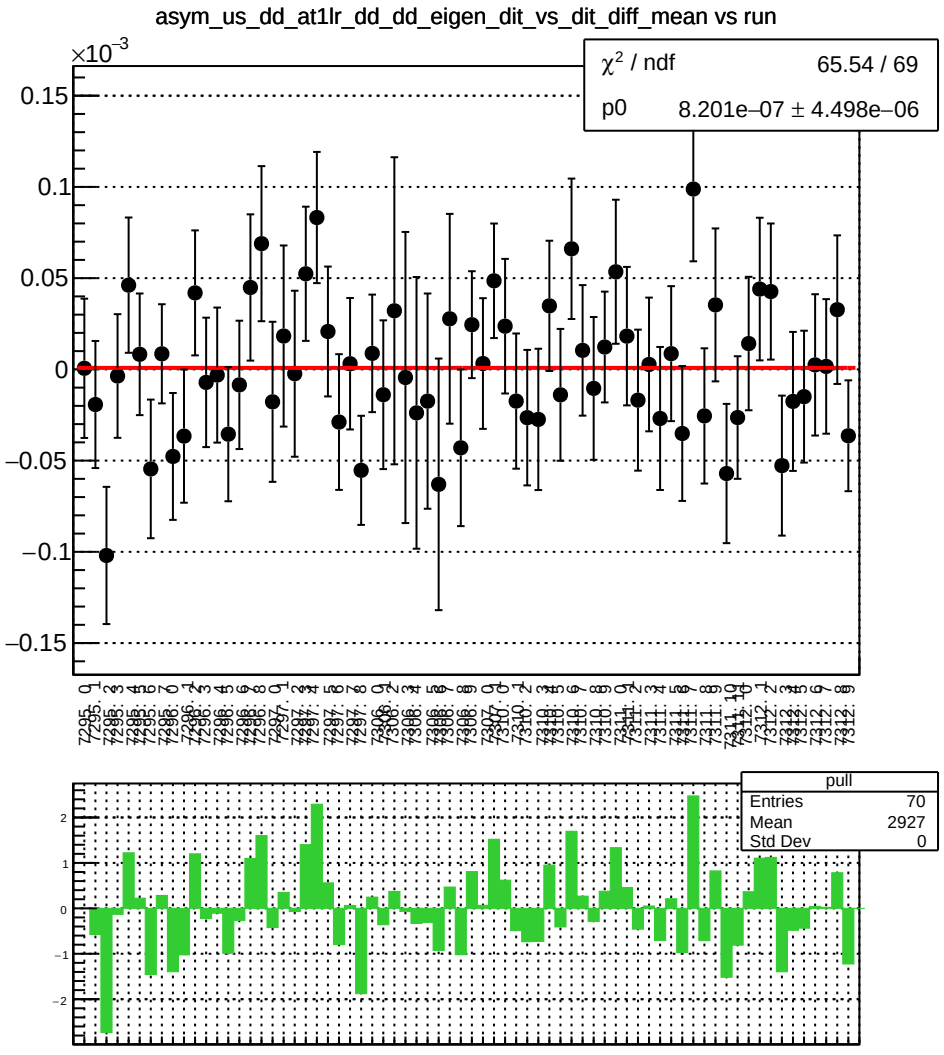

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.61 / 69
p0 −0.06069 ± 0.08582
pull
Entries 70
Mean 19.25
Std Dev 0
pull1D
Entries 70
Mean 0.09084
Std Dev 1.042

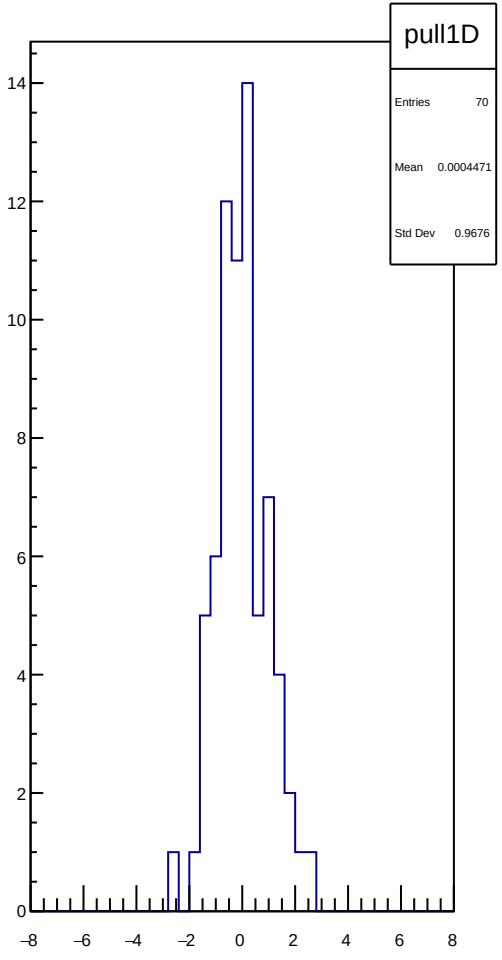

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.188e+05 / 69
p0 57.58 ± 0.06068
350
300
250
200
150
100
50

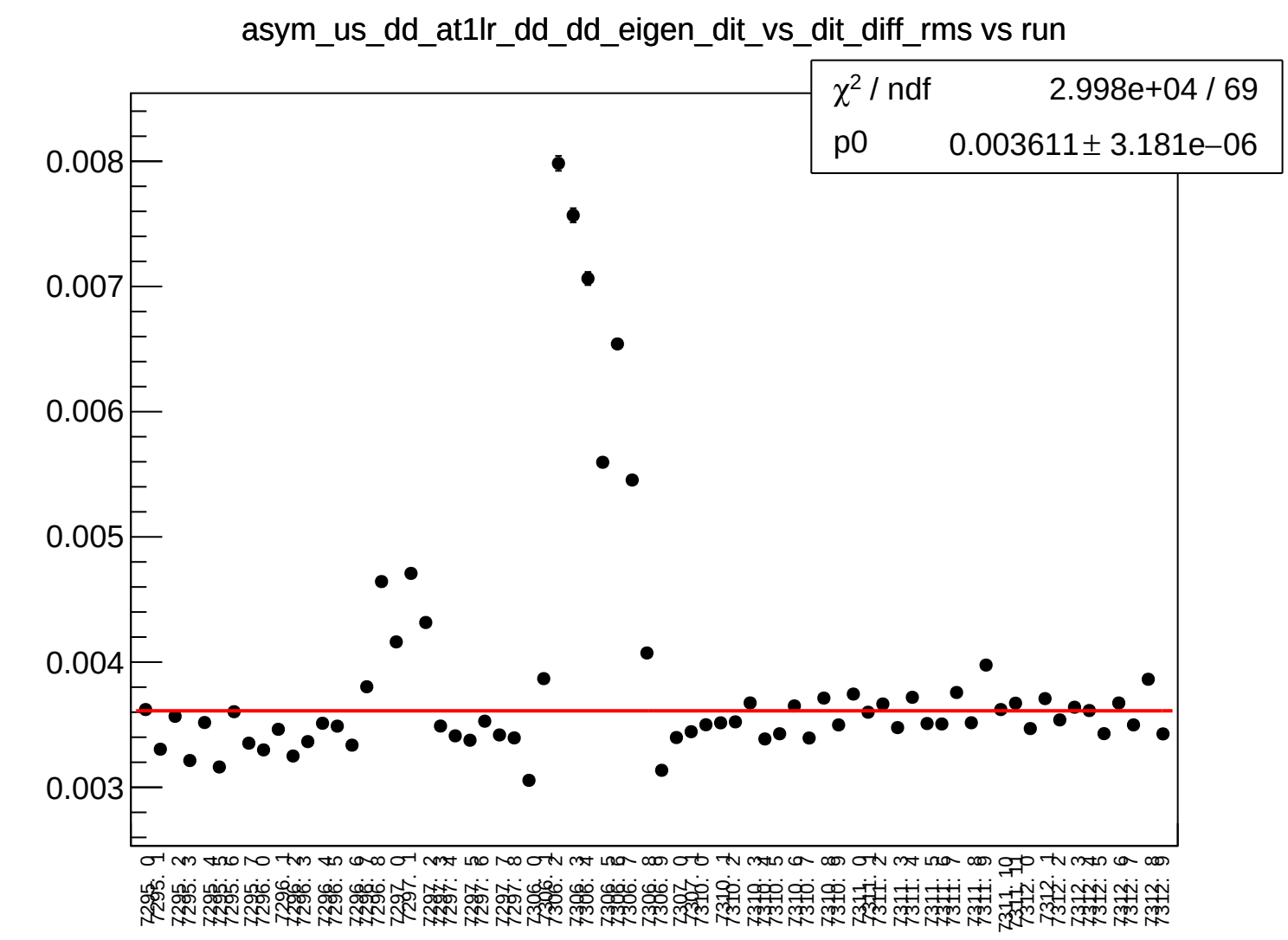

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.61 / 69
p0 −0.06069 ± 0.08582
pull
Entries 70
Mean 19.25
Std Dev 0

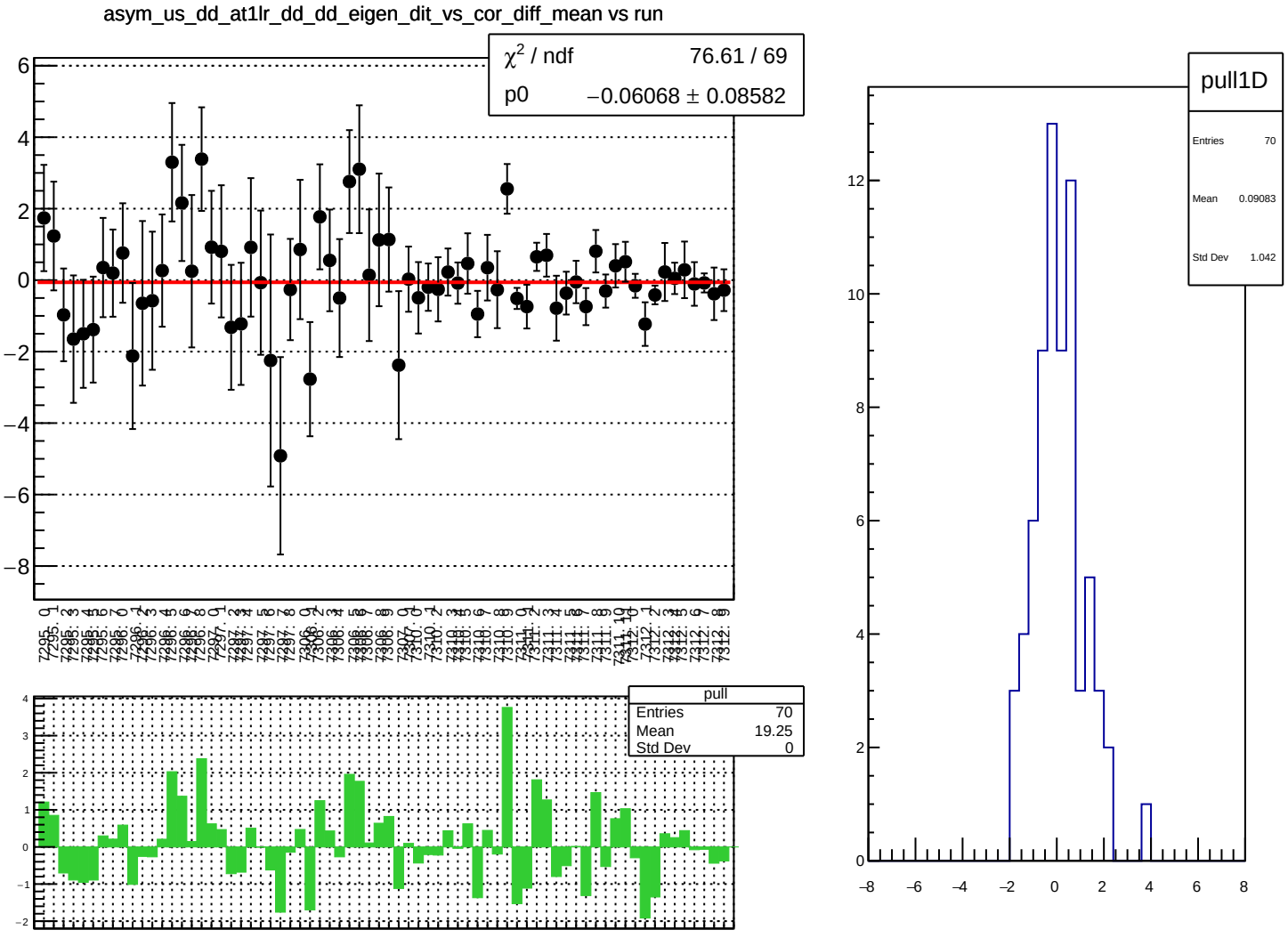

pull1D
Entries 70
Mean 0.09084
Std Dev 1.042

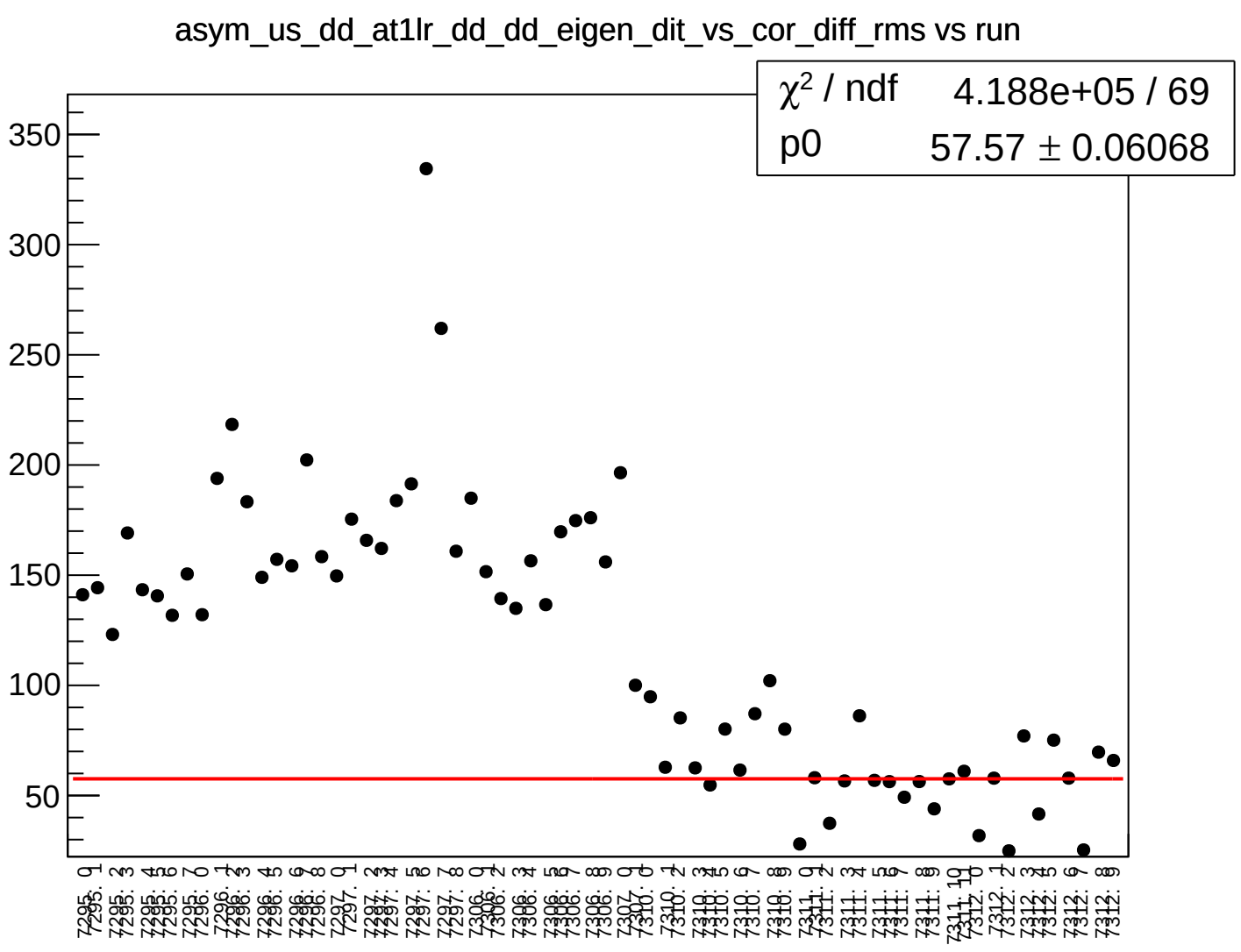

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.188e+05 / 69
p0 57.58 ± 0.06068
350
300
250
200
150
100
50

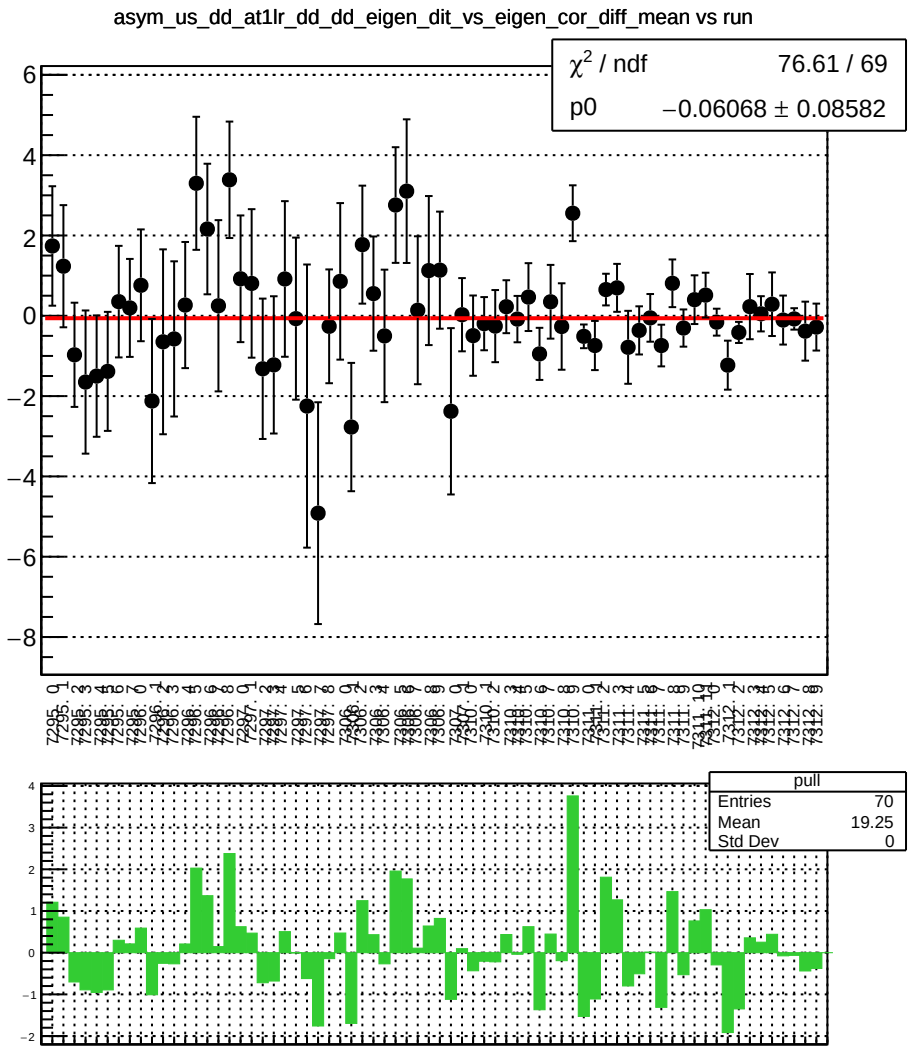

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.54 / 69
p0 8.201e−07 ± 4.498e−06
pull
Entries 70
Mean 2927
Std Dev 0

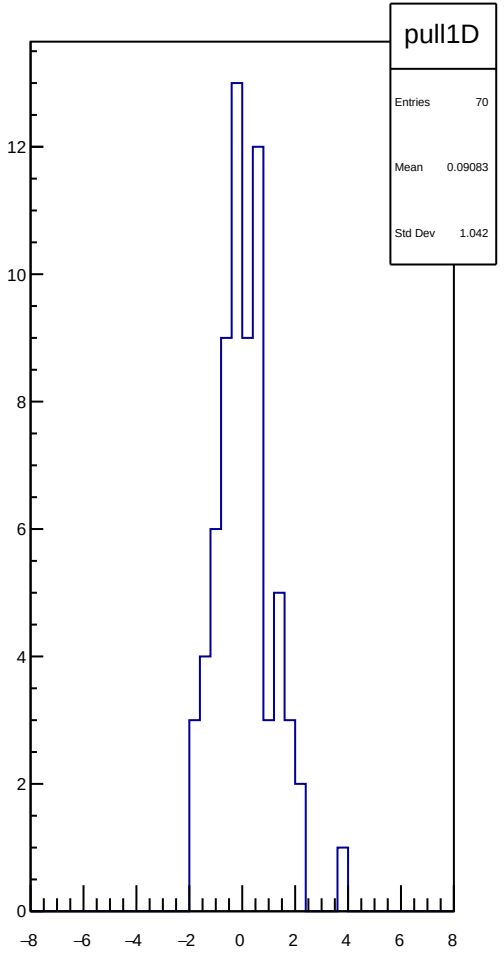

pull1D
Entries 70
Mean 0.0004471
Std Dev 0.9676

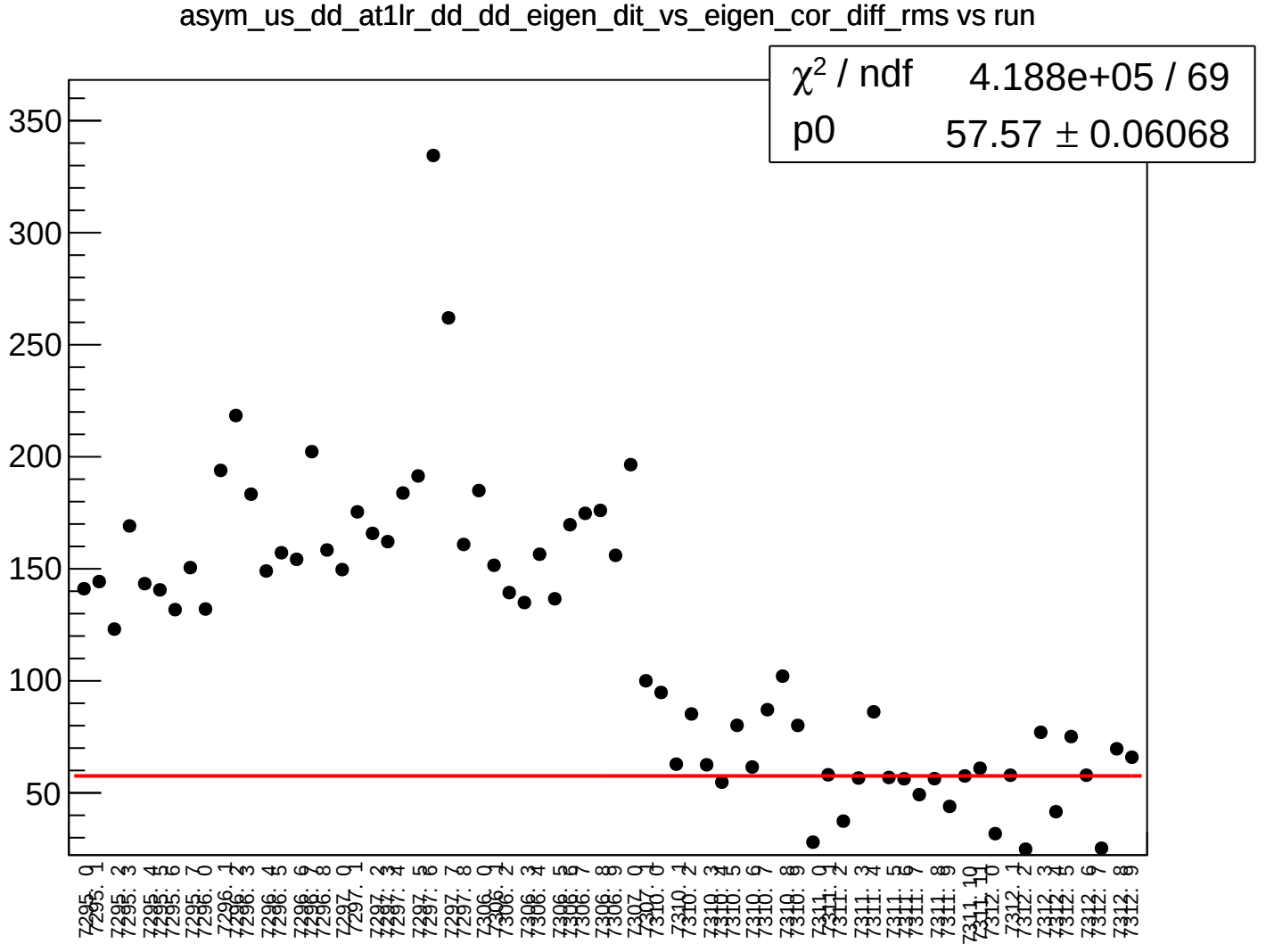

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.998e+04 / 69
p0 0.003611 ± 3.181e−06
0.008
0.007
0.006
0.005
0.004
0.003


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.61 / 69
p0 −0.06068 ± 0.08582
pull
Entries 70
Mean 19.25
Std Dev 0
pull1D
Entries 70
Mean 0.09083
Std Dev 1.042

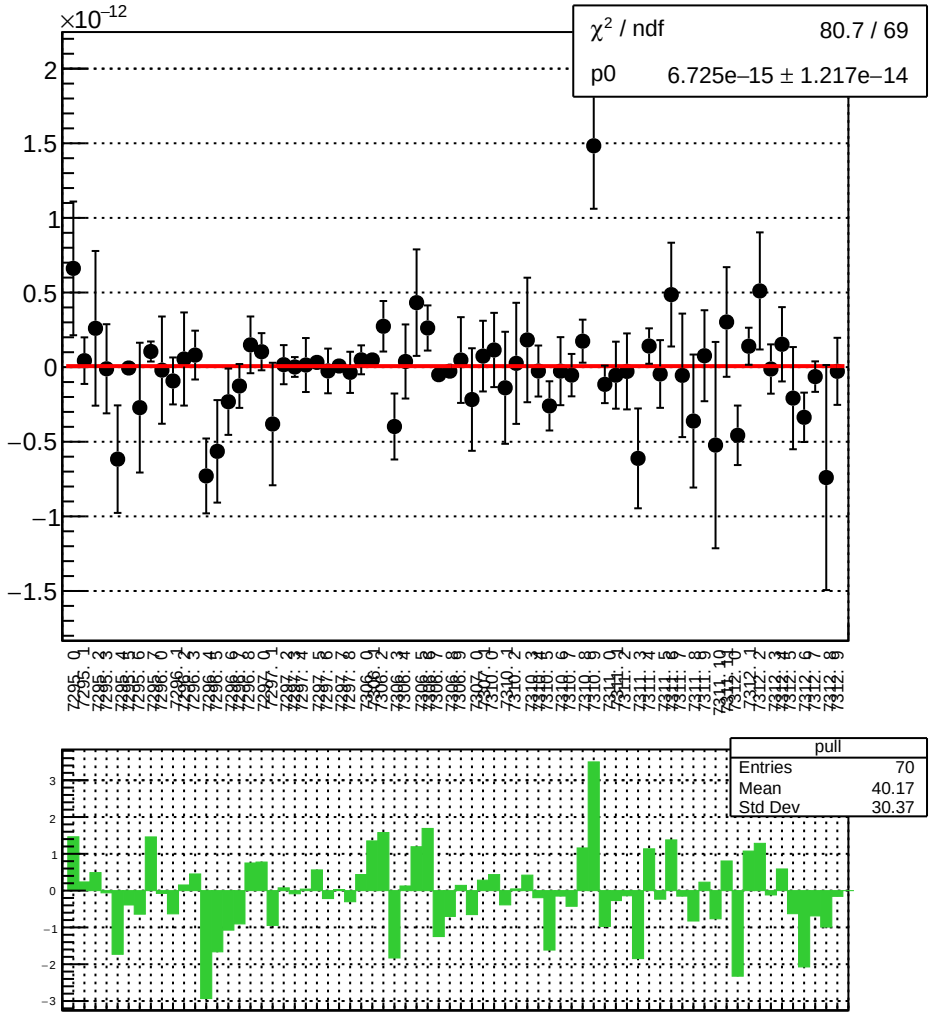

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.188e+05 / 69
p0 57.57 ± 0.06068
350
300
250
200
150
100
50

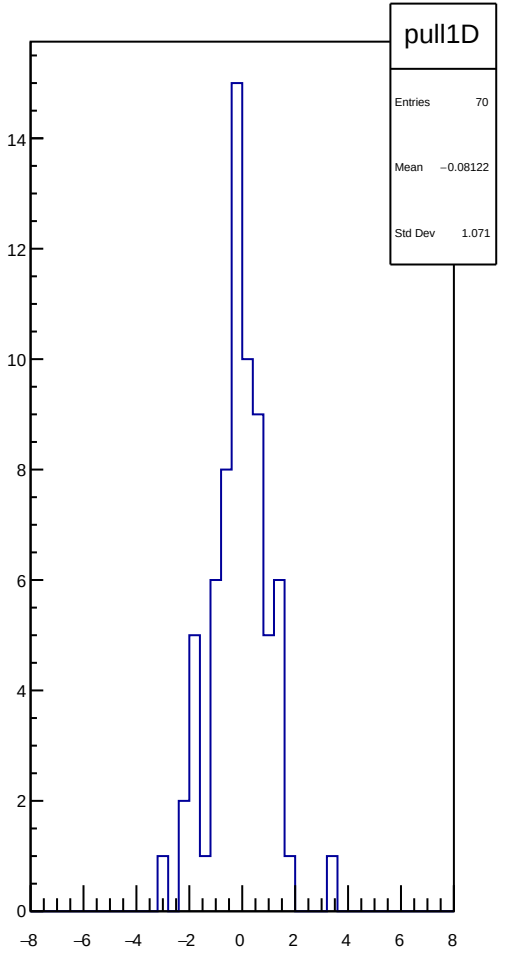

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.61 / 69
p0 −0.06068 ± 0.08582
pull
Entries 70
Mean 19.25
Std Dev 0

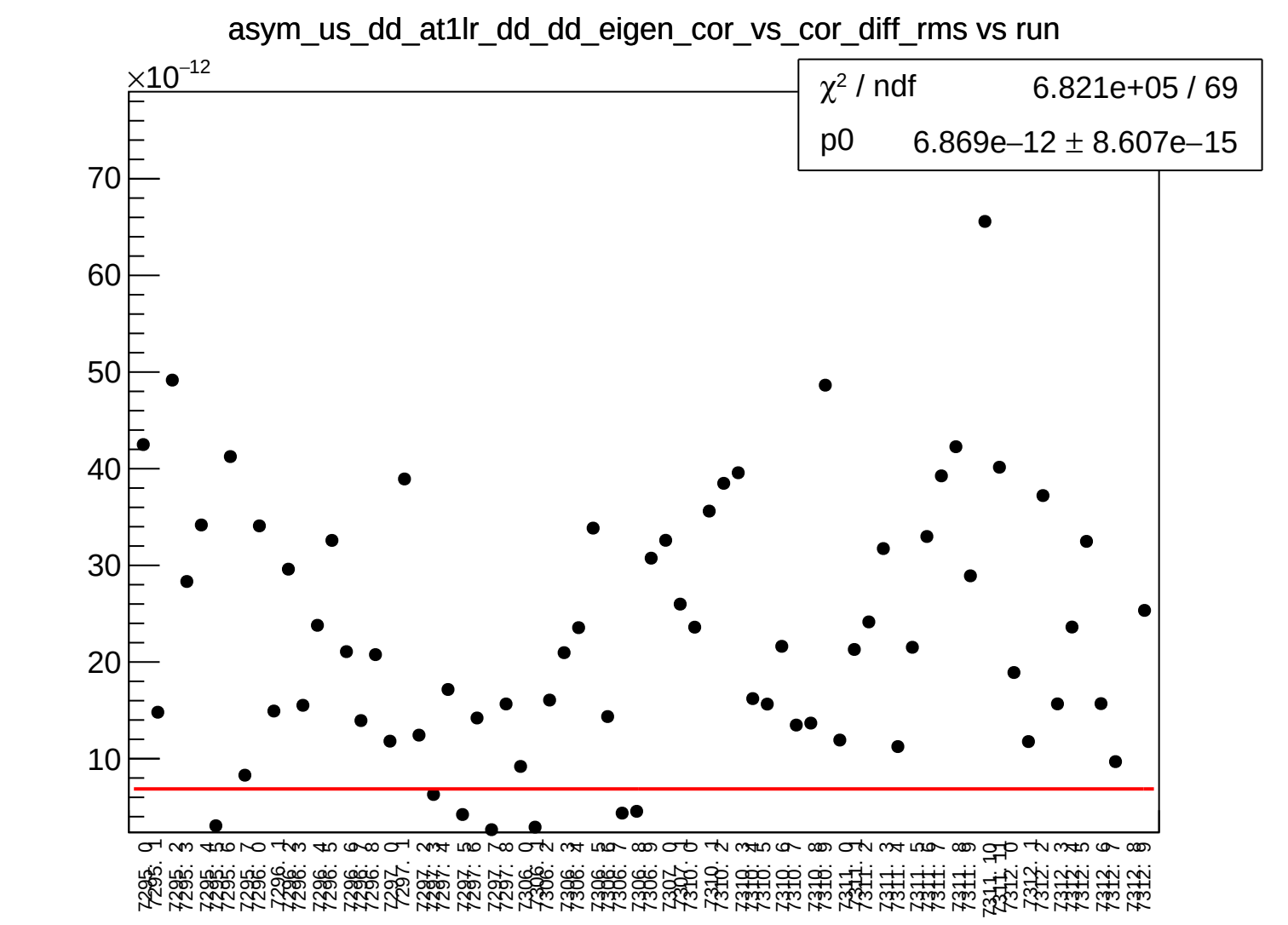

pull1D
Entries 70
Mean 0.09083
Std Dev 1.042

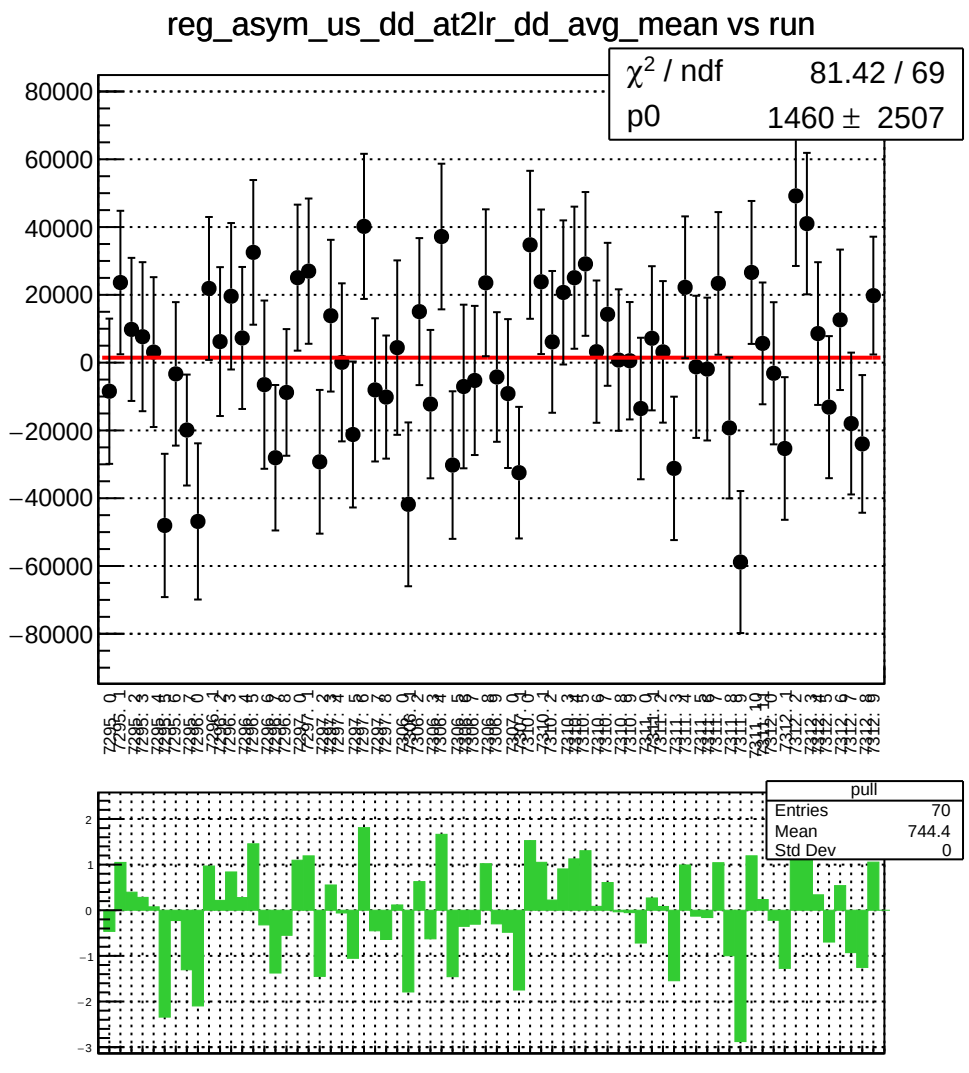

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.188e+05 / 69
p0 57.57 ± 0.06068
350
300
250
200
150
100
50

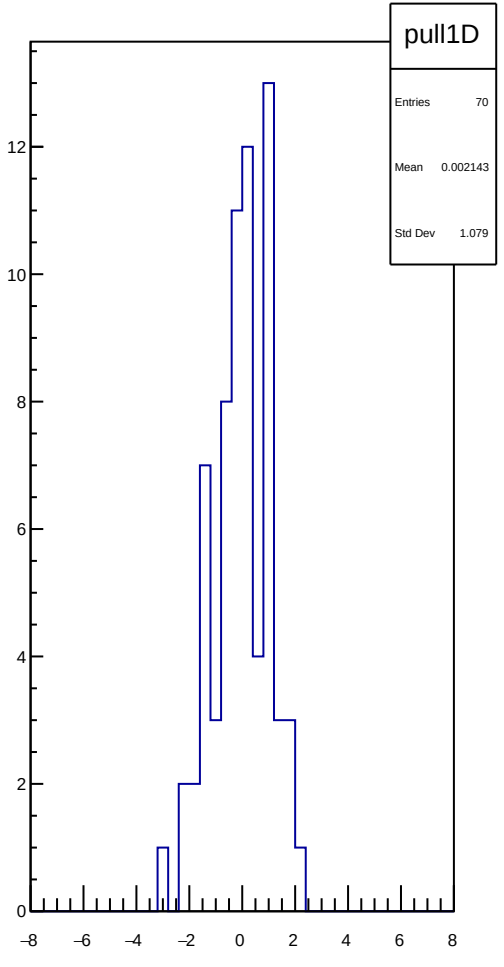
asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run

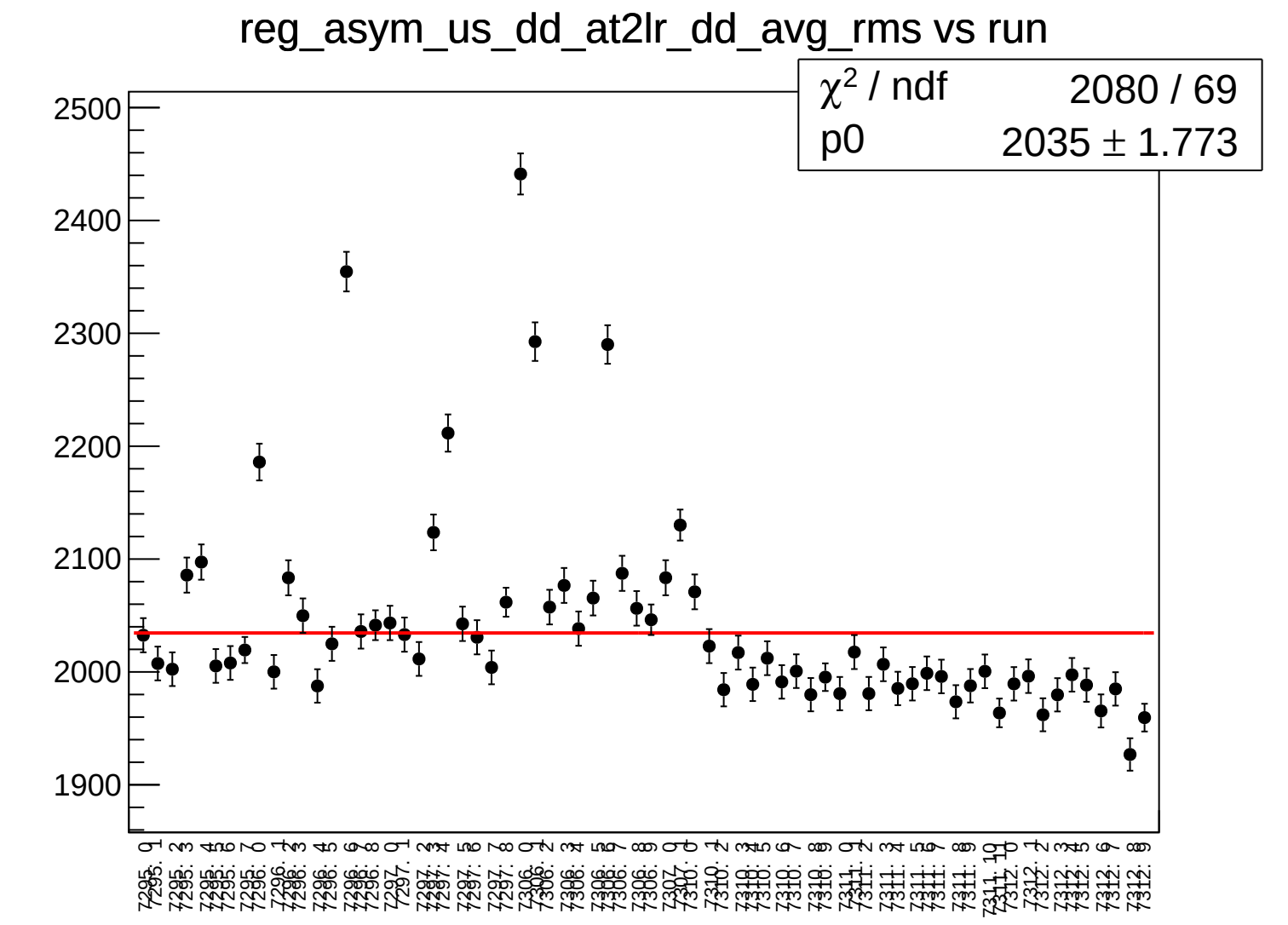


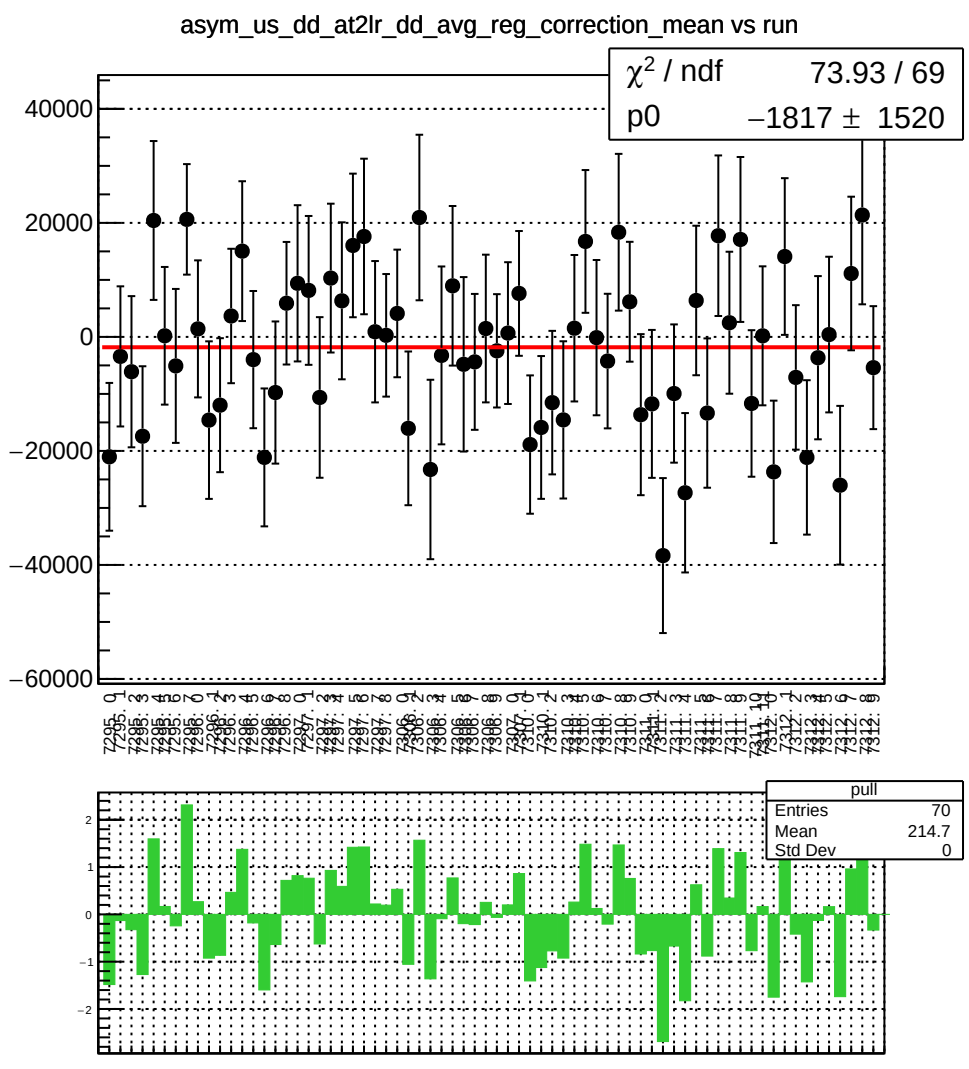


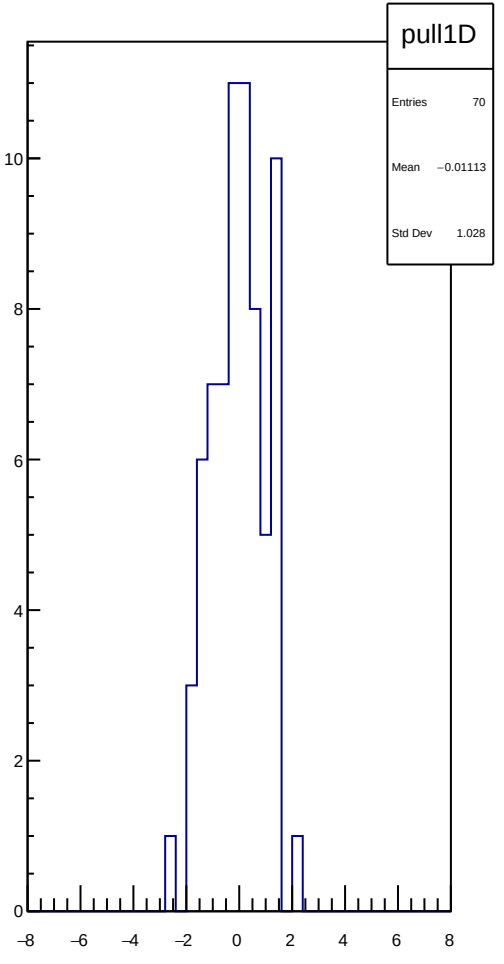

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.821e+05 / 69
p0 6.869e−12 ± 8.607e−15
70
60
50
40
30
20
10

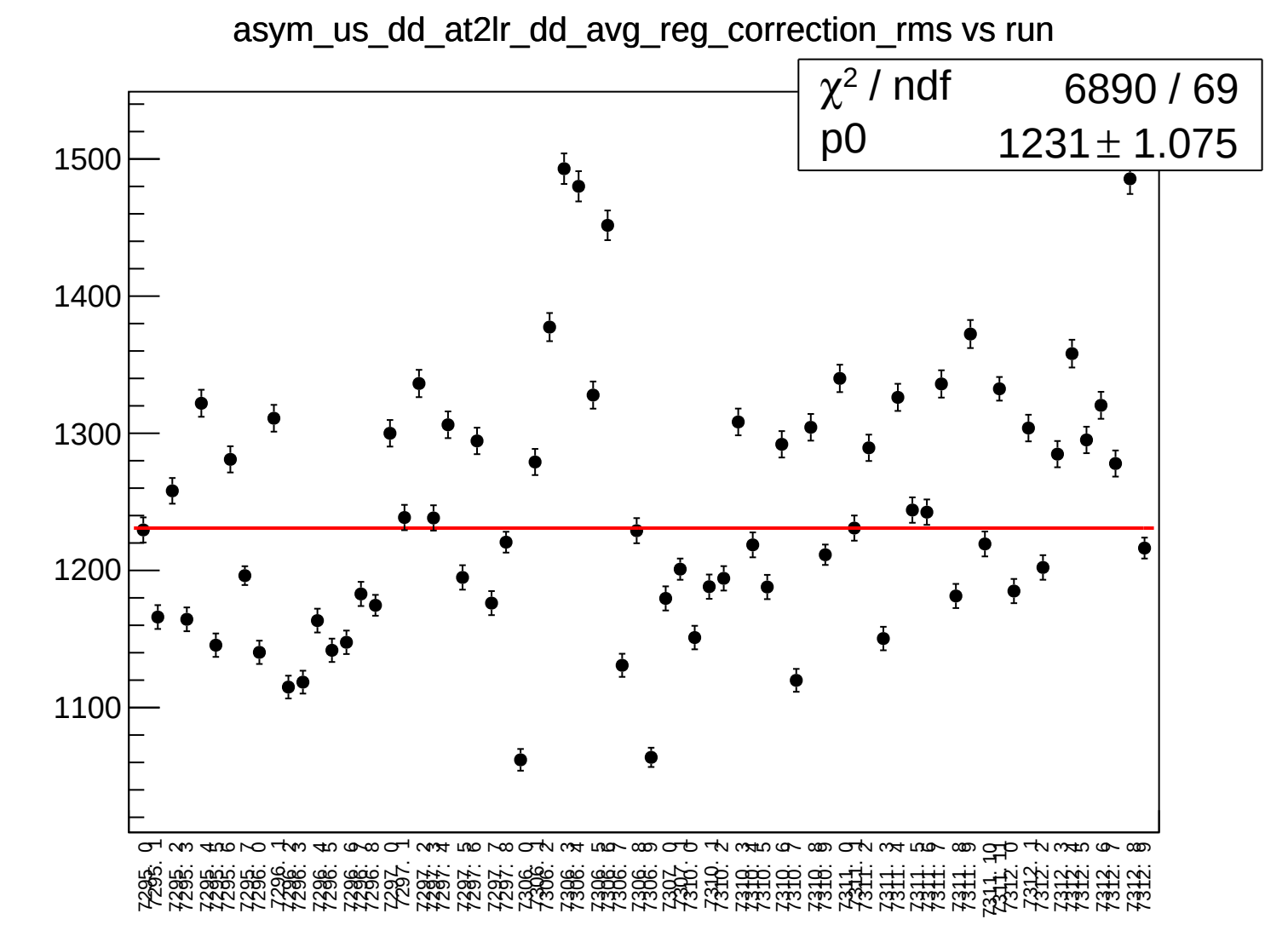

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 81.42 / 69
p0 1460 ± 2507
pull
Entries 70
Mean 744.4
Std Dev 0

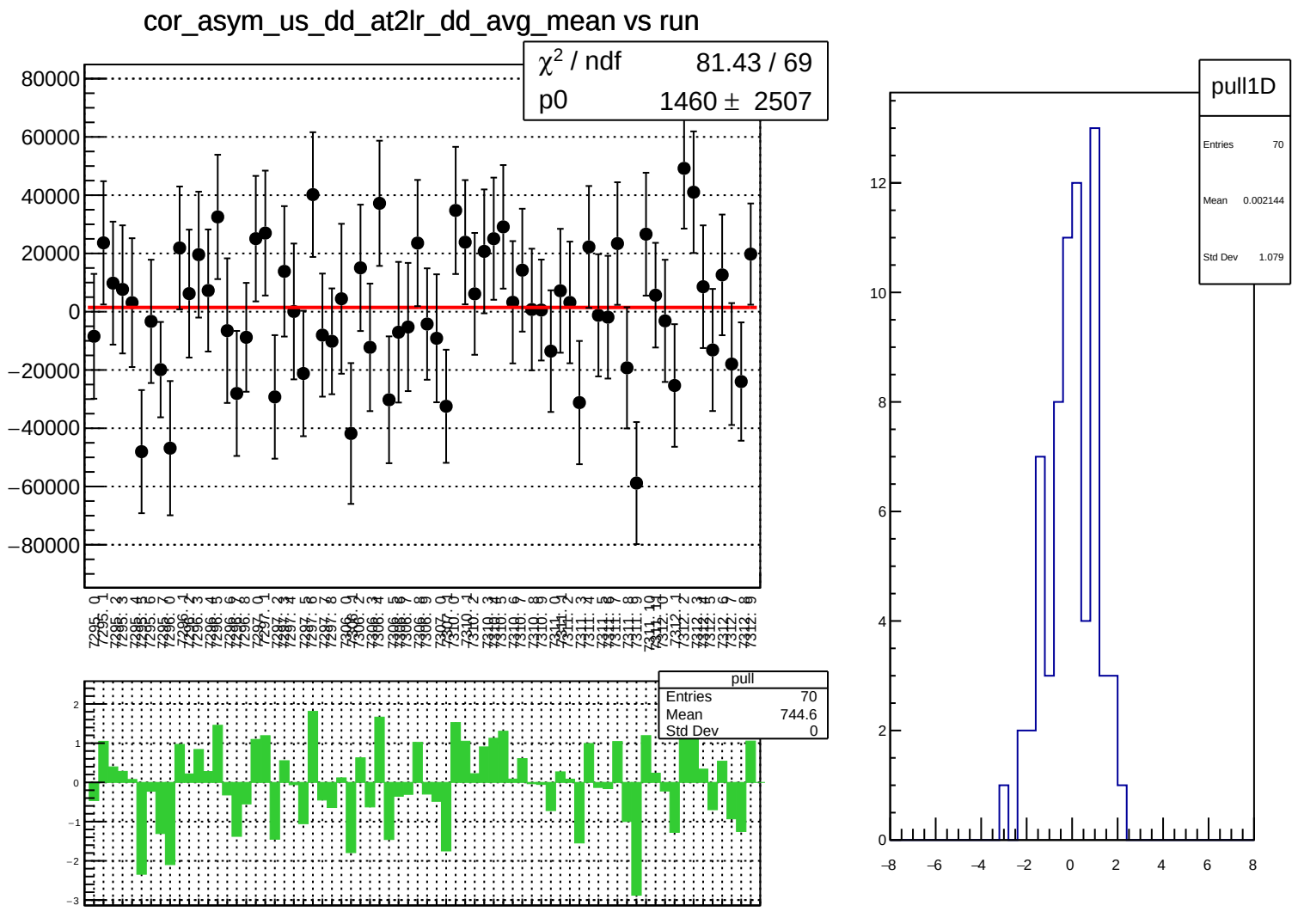

pull1D
Entries 70
Mean 0.002143
Std Dev 1.079

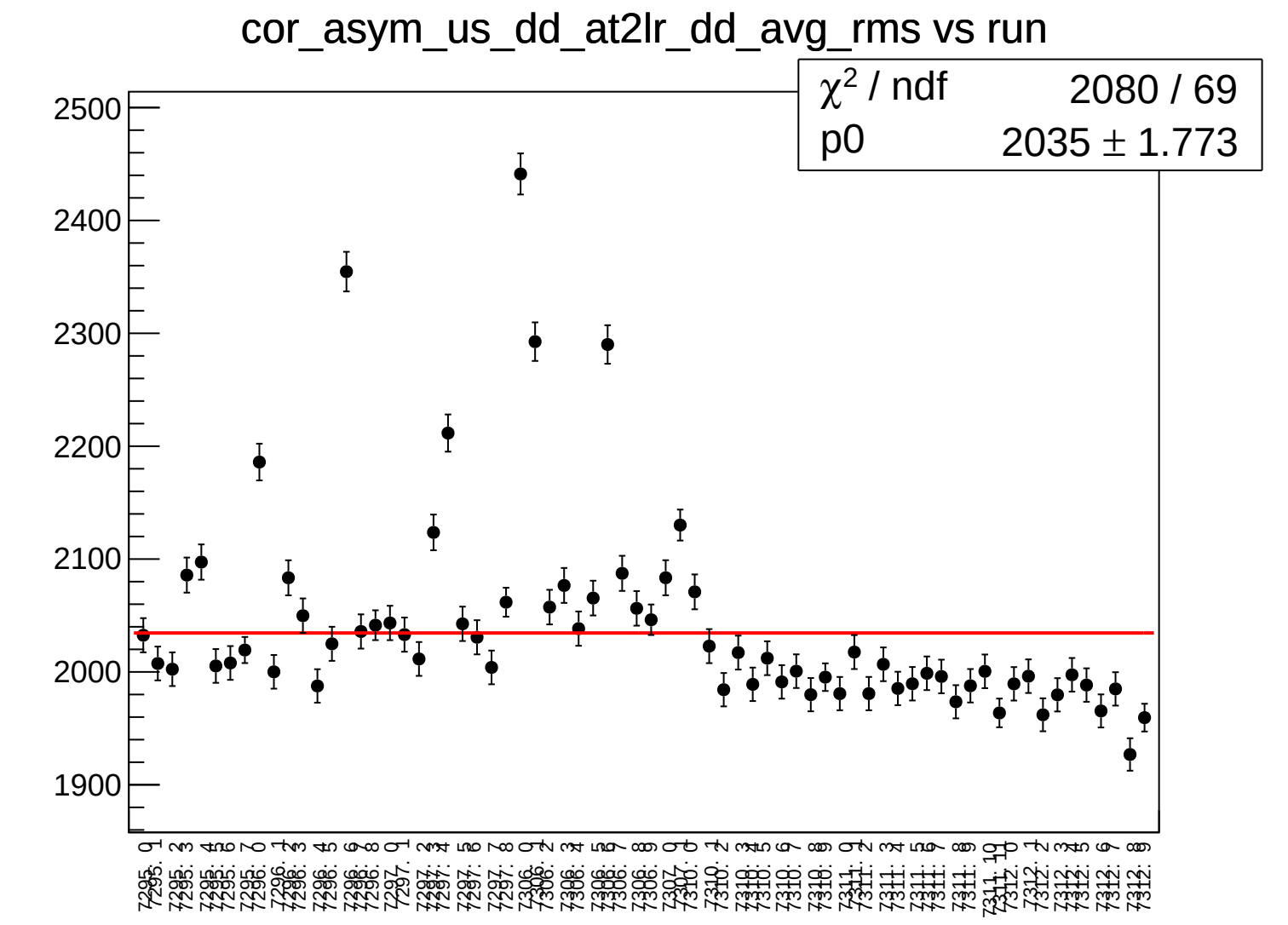

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2080 / 69
p0 2035 ± 1.773
2500
2400
2300
2200
2100
2000
1900

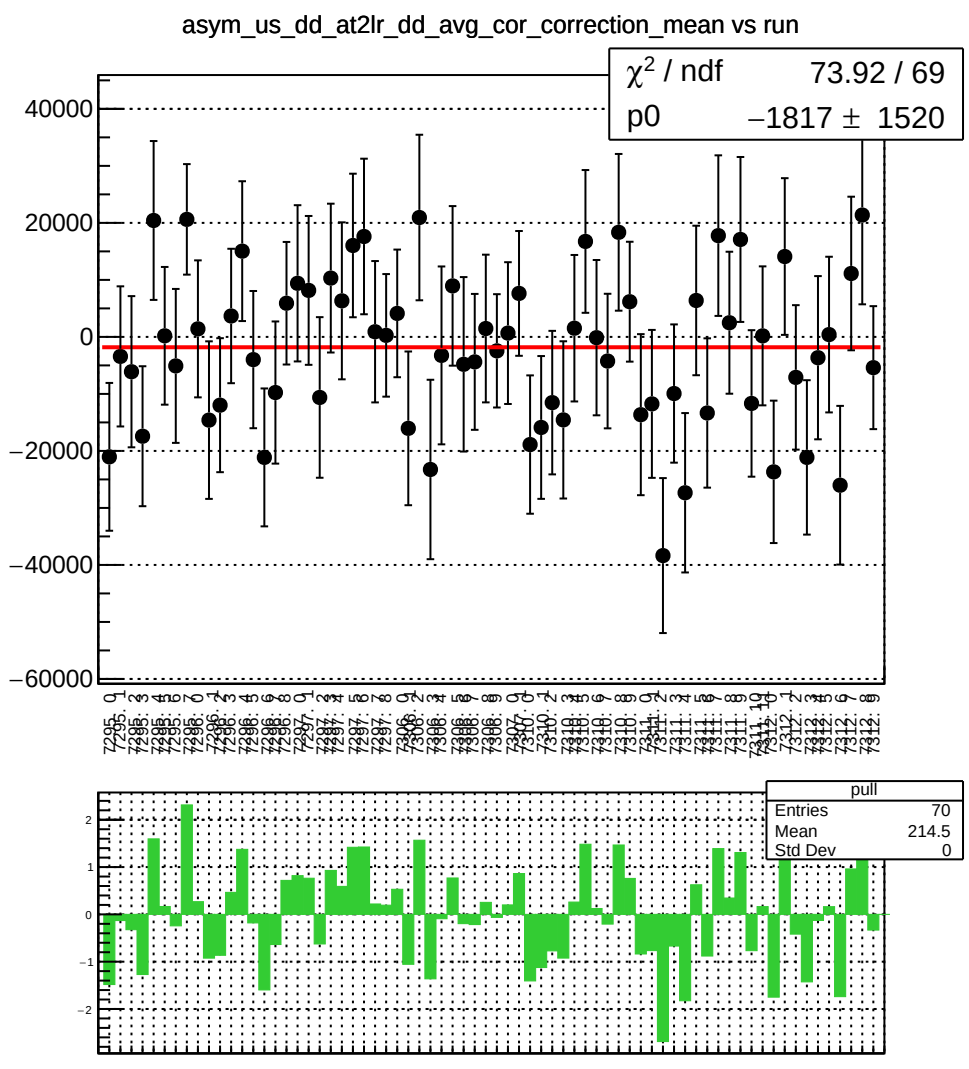

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 73.93 / 69
p0 −1817 ± 1520
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 214.7
Std Dev 0
2
1
0
−1

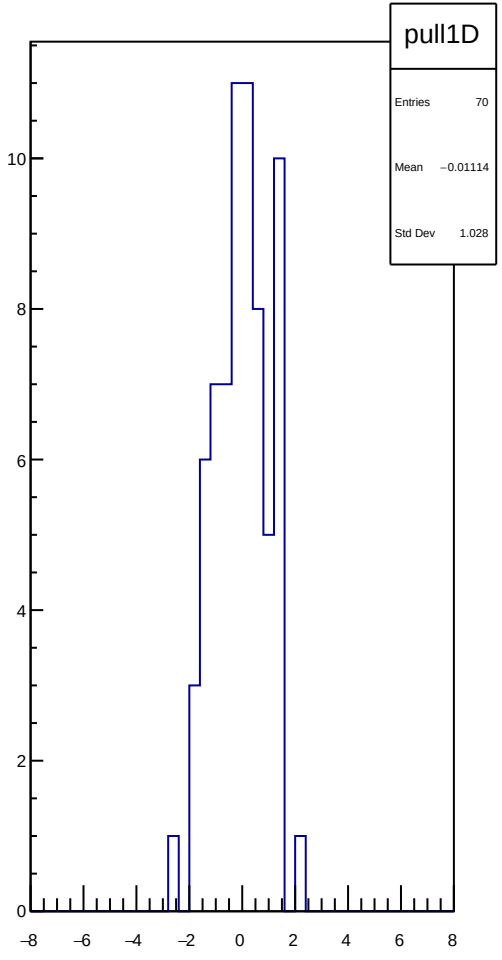

pull1D
Entries 70
Mean −0.01113
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

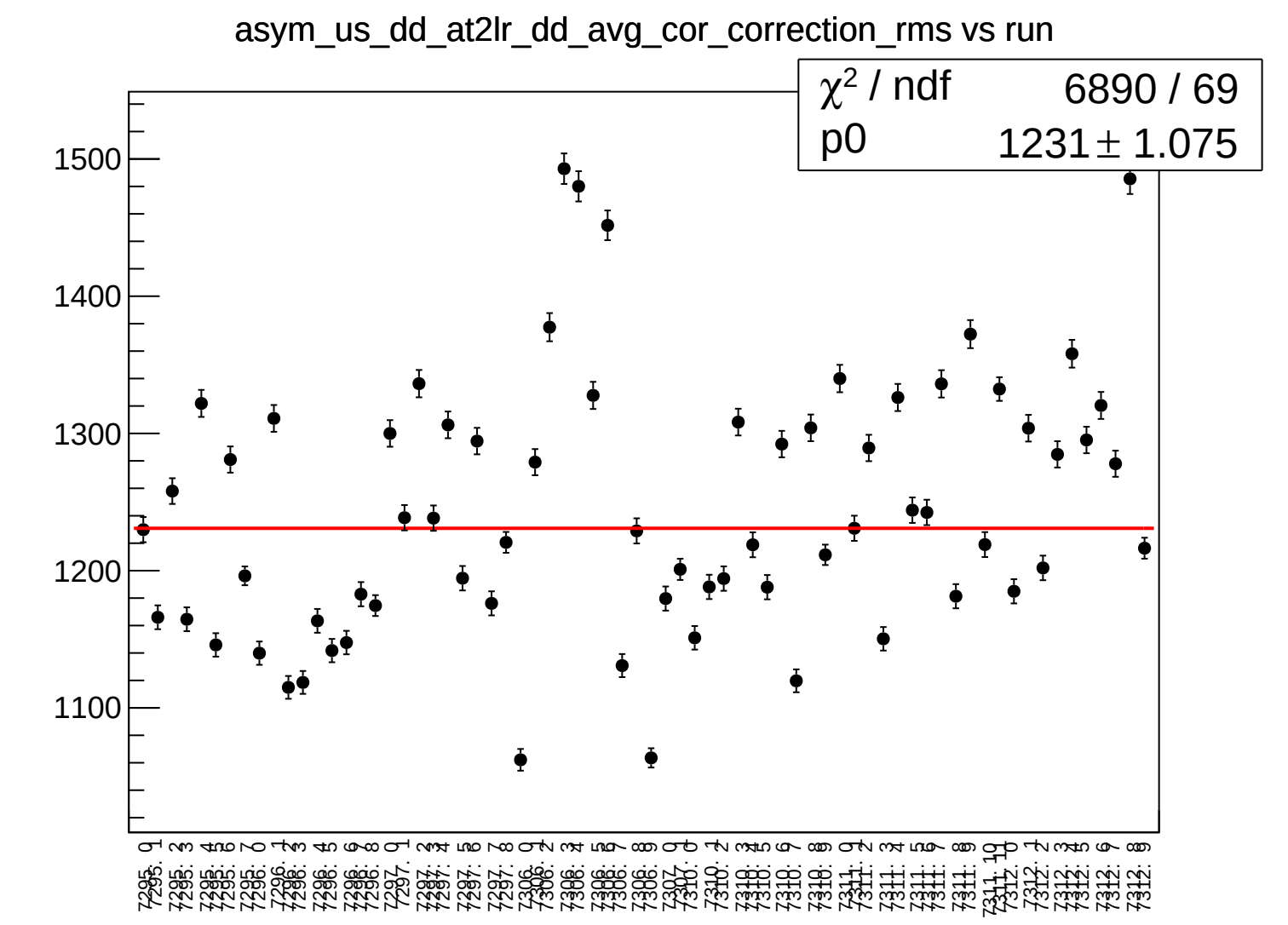

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 6890 / 69
p0 1231 ± 1.075
1500
1400
1300
1200
1100

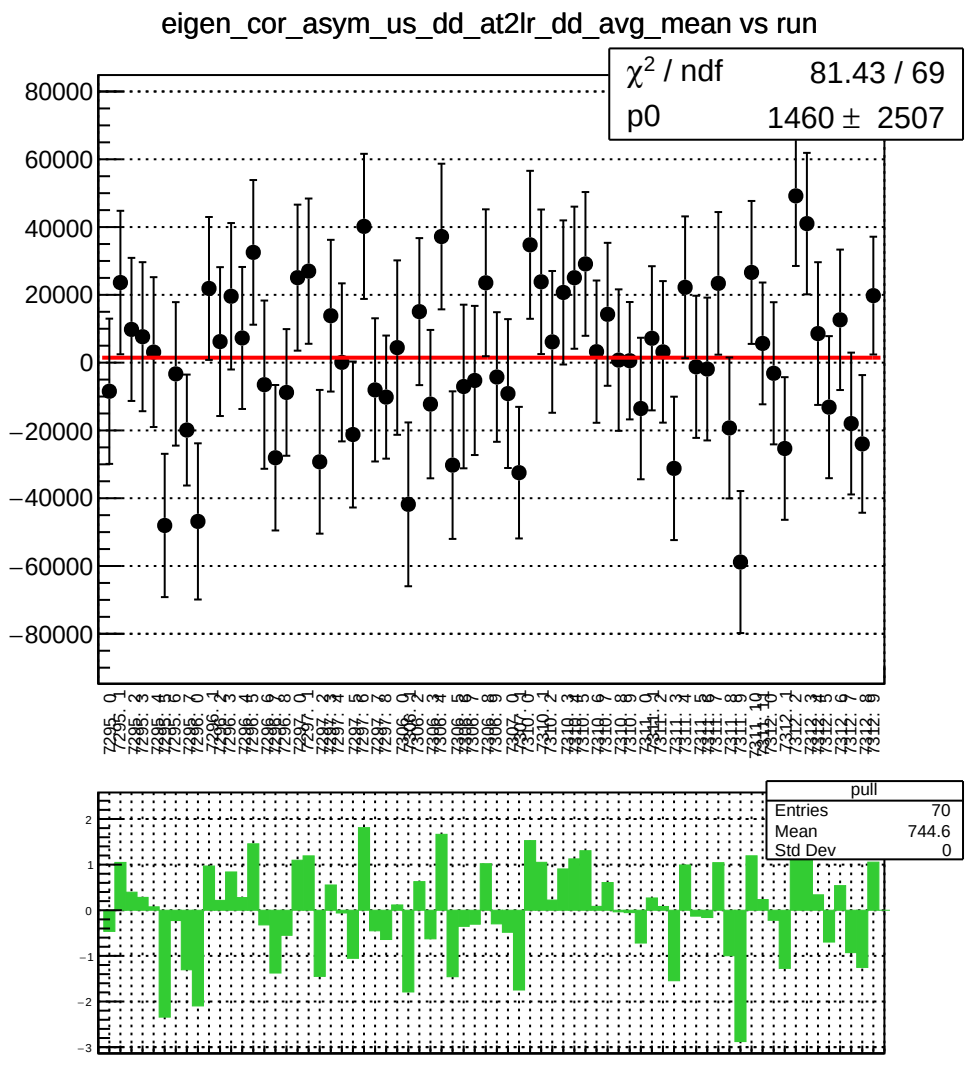

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 81.43 / 69
p0 1460 ± 2507
pull
Entries 70
Mean 744.6
Std Dev 0
pull1D
Entries 70
Mean 0.002144
Std Dev 1.079

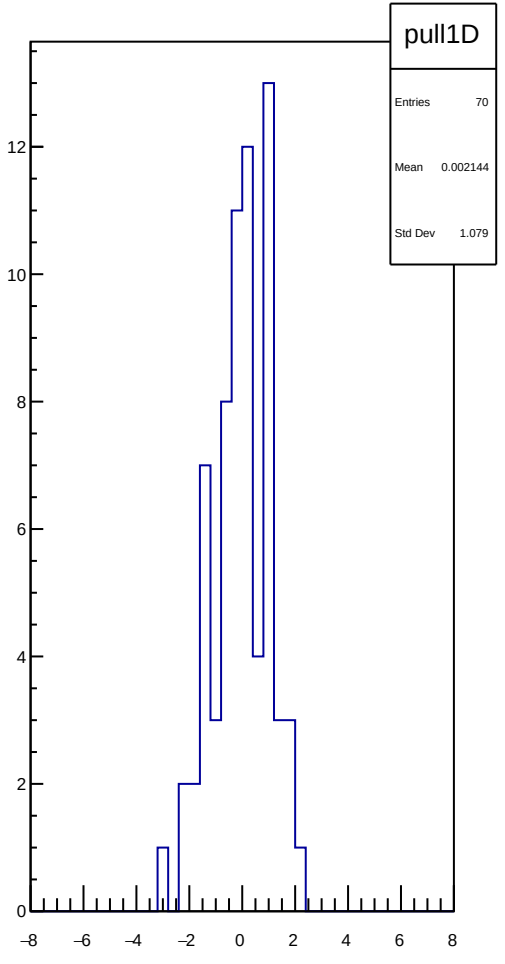

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2080 / 69
p0 2035 ± 1.773
2500
2400
2300
2200
2100
2000
1900

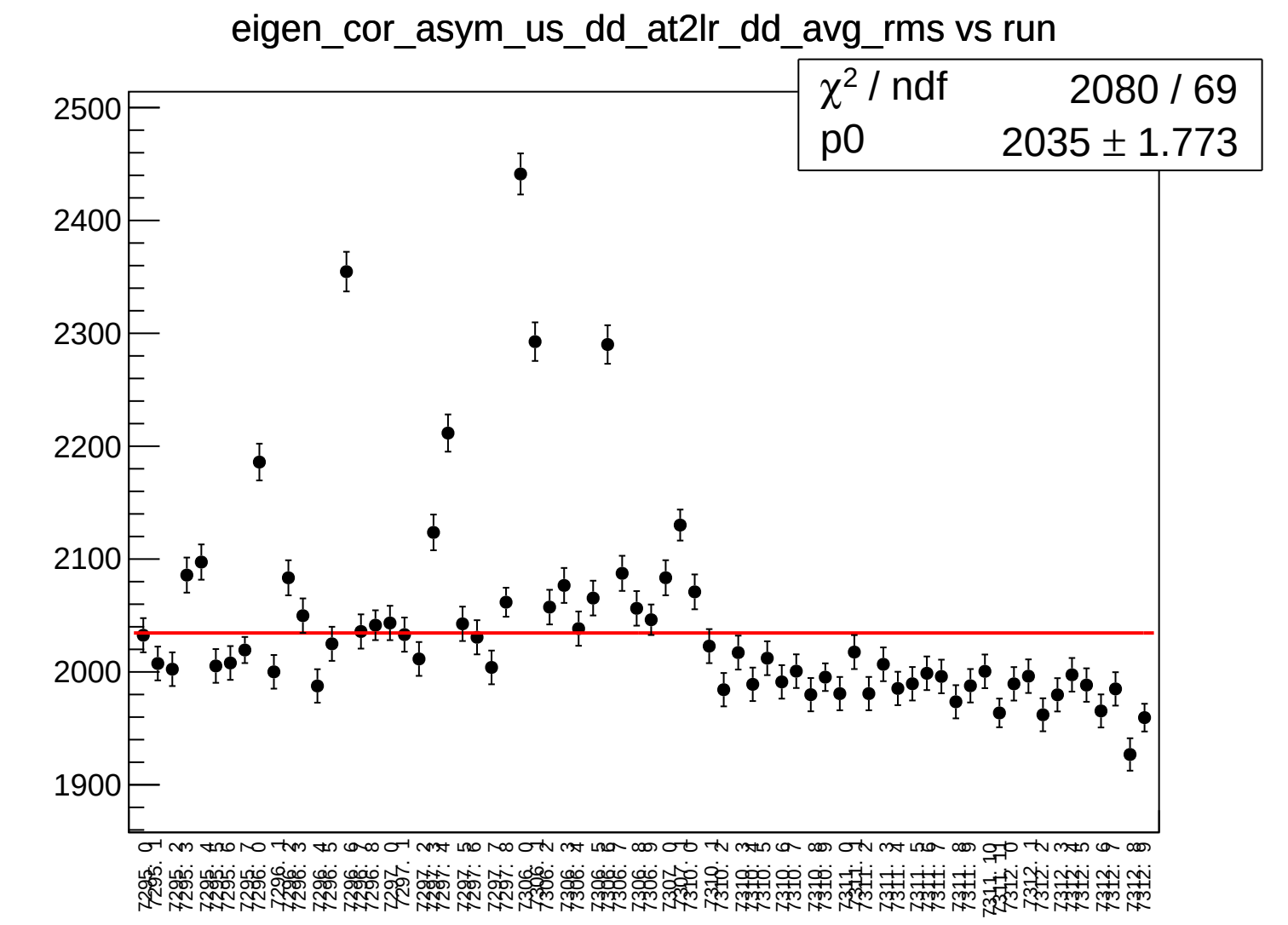

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 73.92 / 69
p0 −1817 ± 1520
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 214.5
Std Dev 0
2
1
0
−1

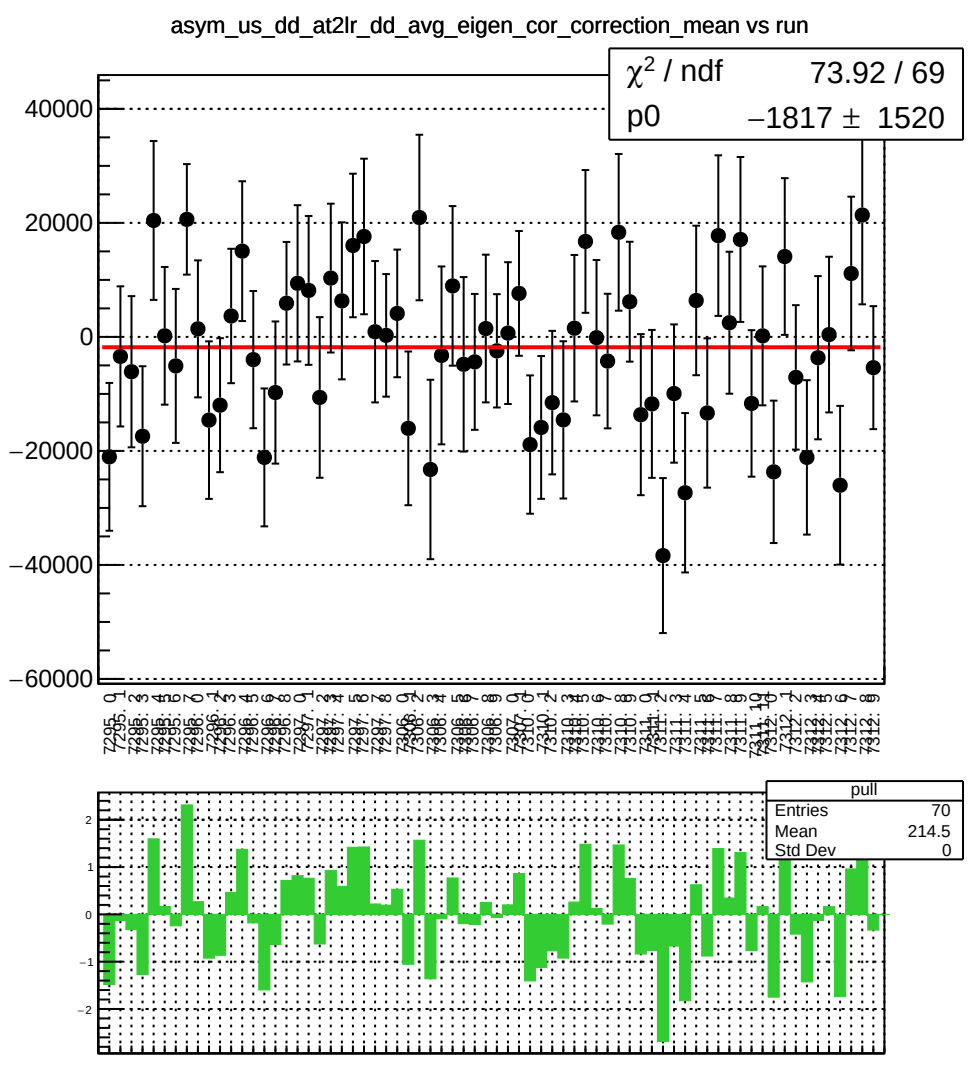

pull1D
Entries 70
Mean −0.01114
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

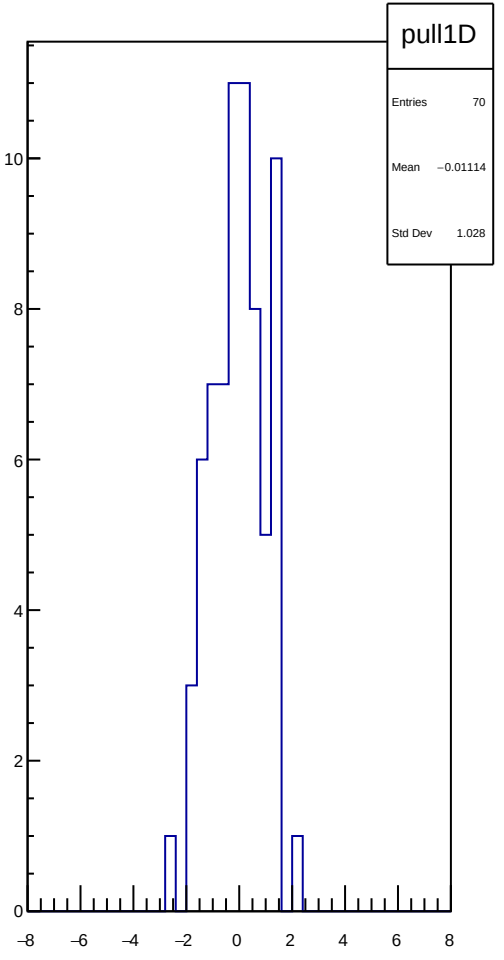

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 6890 / 69
p0 1231 ± 1.075
1500
1400
1300
1200
1100

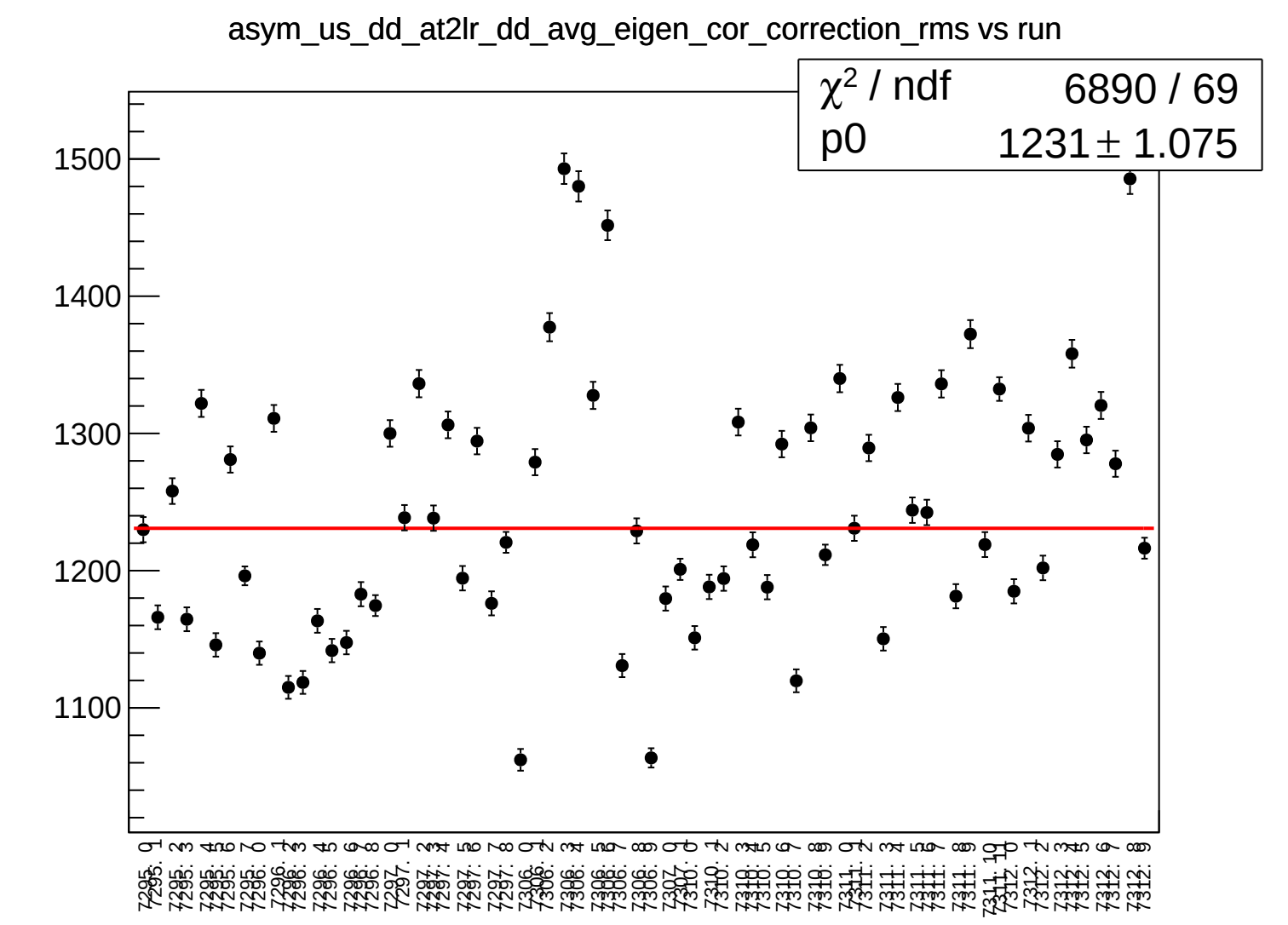

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 81.43 / 69
p0 1460 ± 2507
pull
Entries 70
Mean 744.6
Std Dev 0

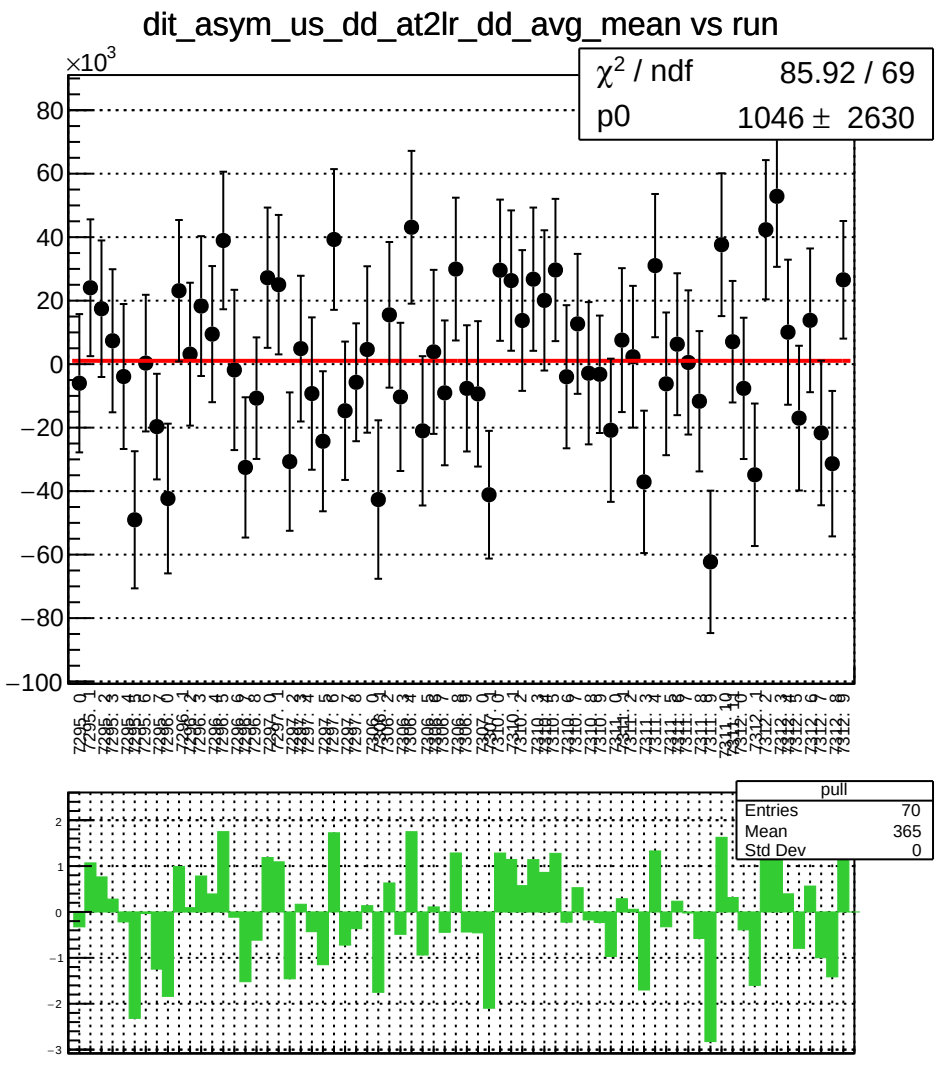

pull1D
Entries 70
Mean 0.002144
Std Dev 1.079

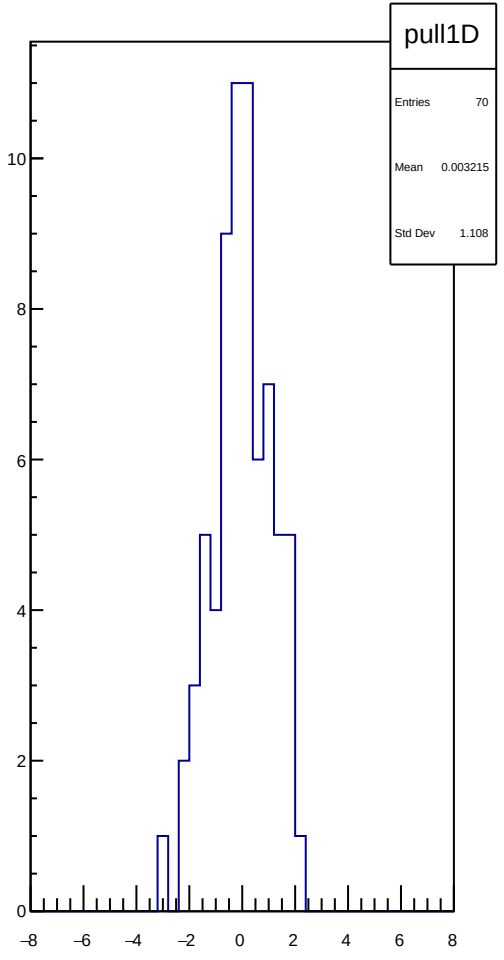

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2080 / 69
p0 2035 ± 1.773
2500
2400
2300
2200
2100
2000
1900

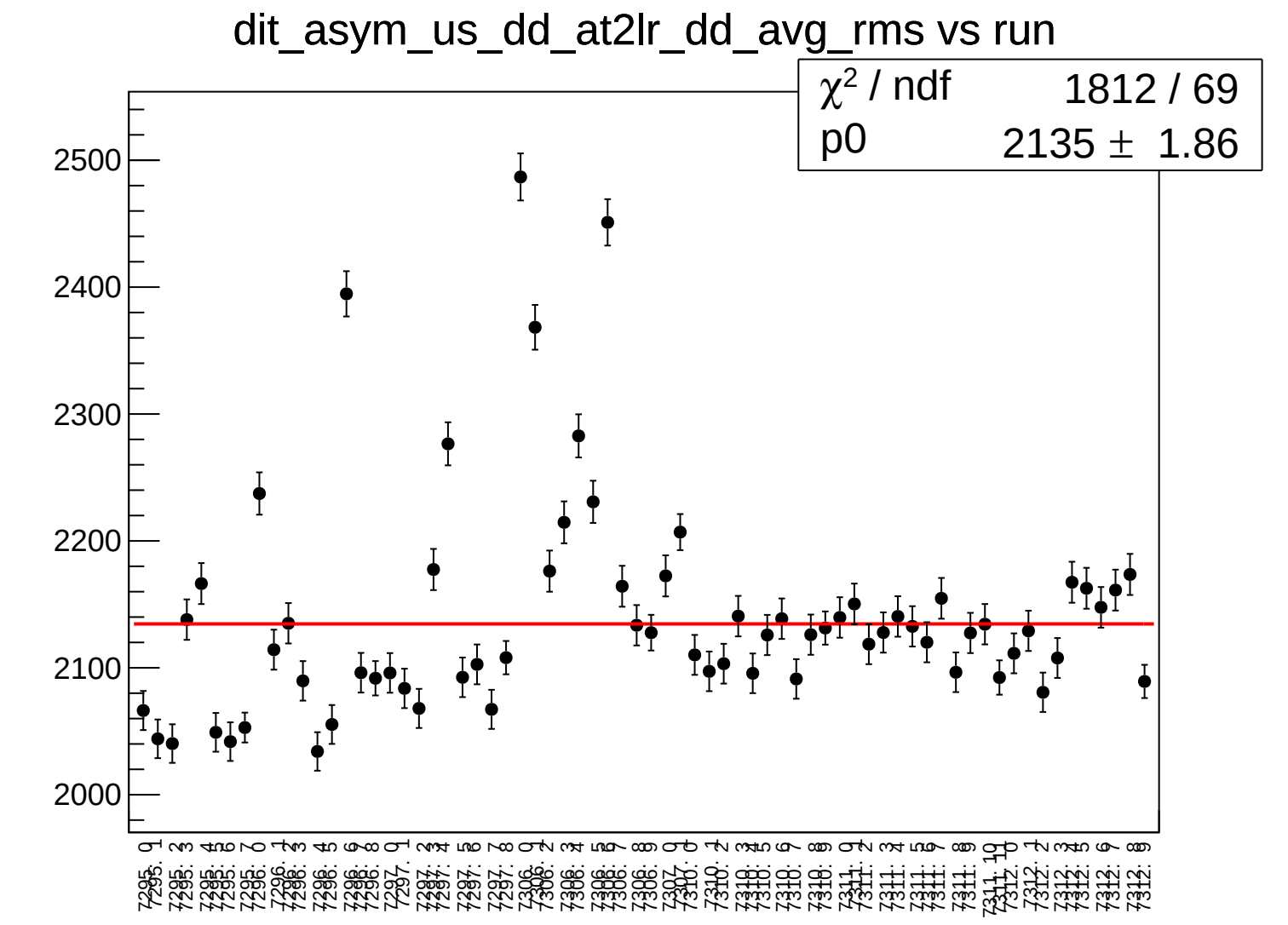

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.92 / 69
p0 −1817 ± 1520
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 214.5
Std Dev 0
2
1
0
−1

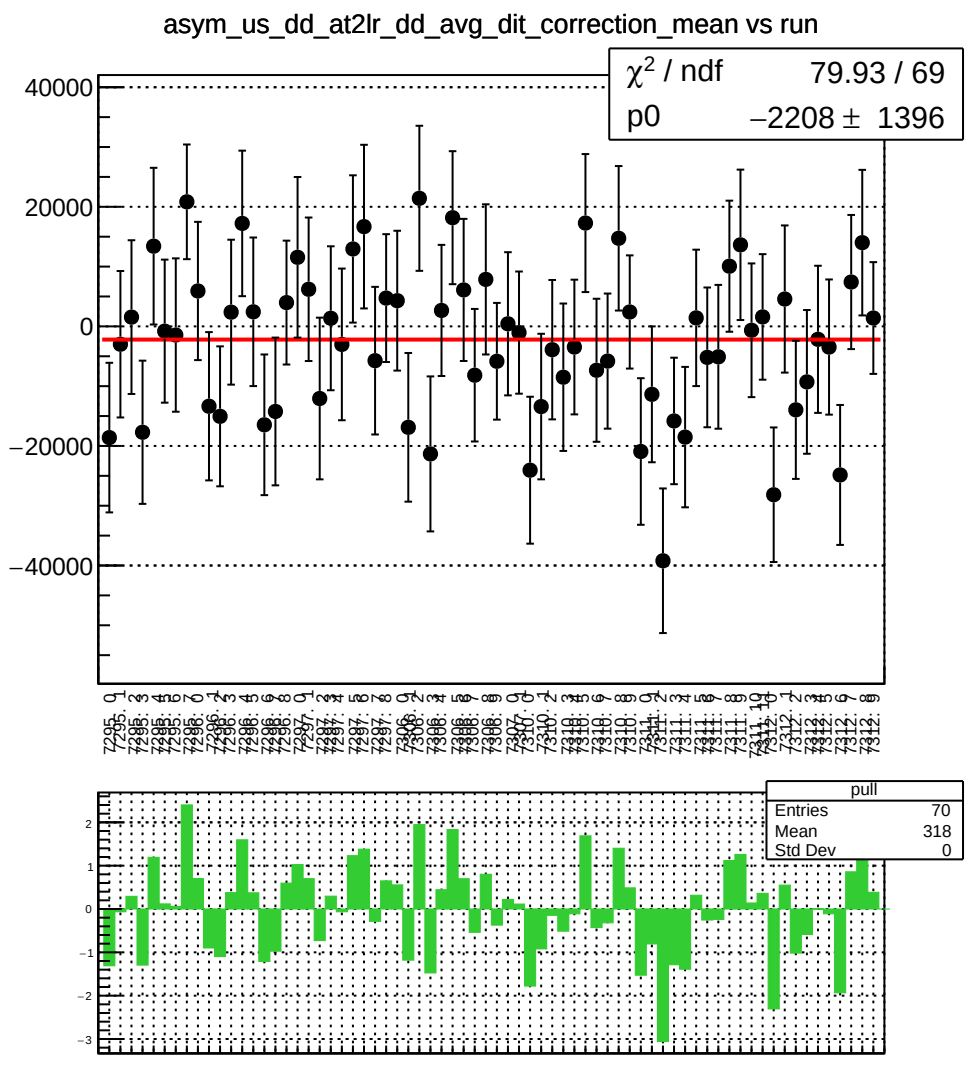

pull1D
Entries 70
Mean −0.01114
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

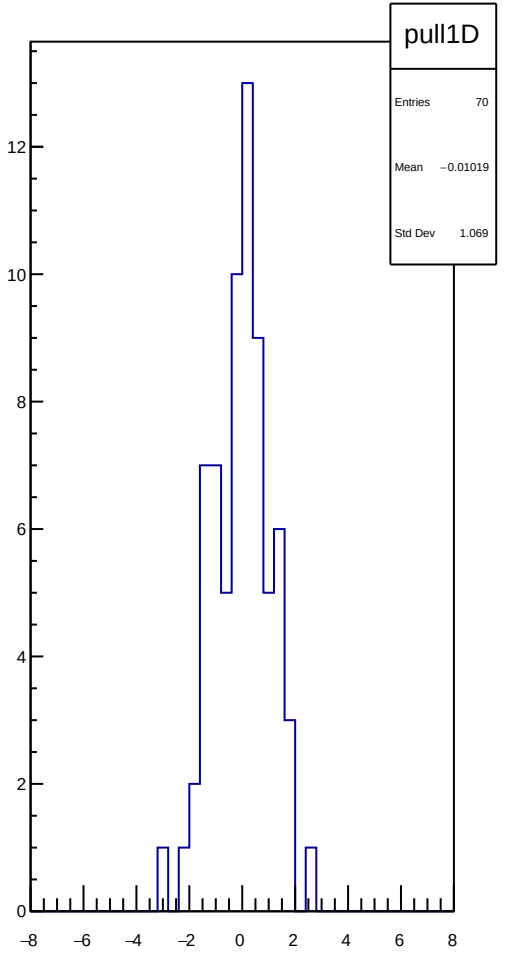

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 6890 / 69
p0 1231 ± 1.075
1500
1400
1300
1200
1100

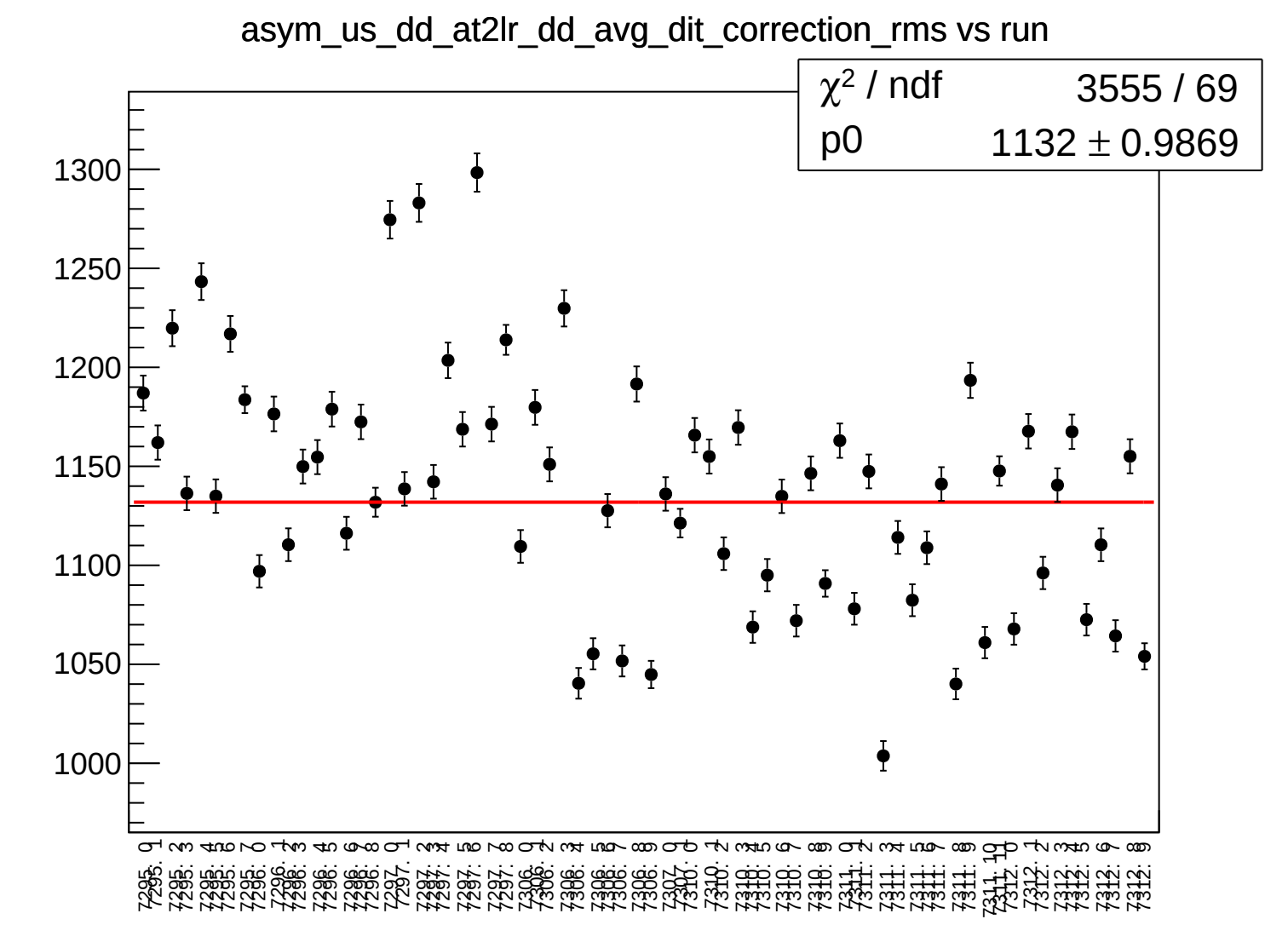

dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 85.92 / 69
p0 1046 ± 2630
pull
Entries 70
Mean 365
Std Dev 0

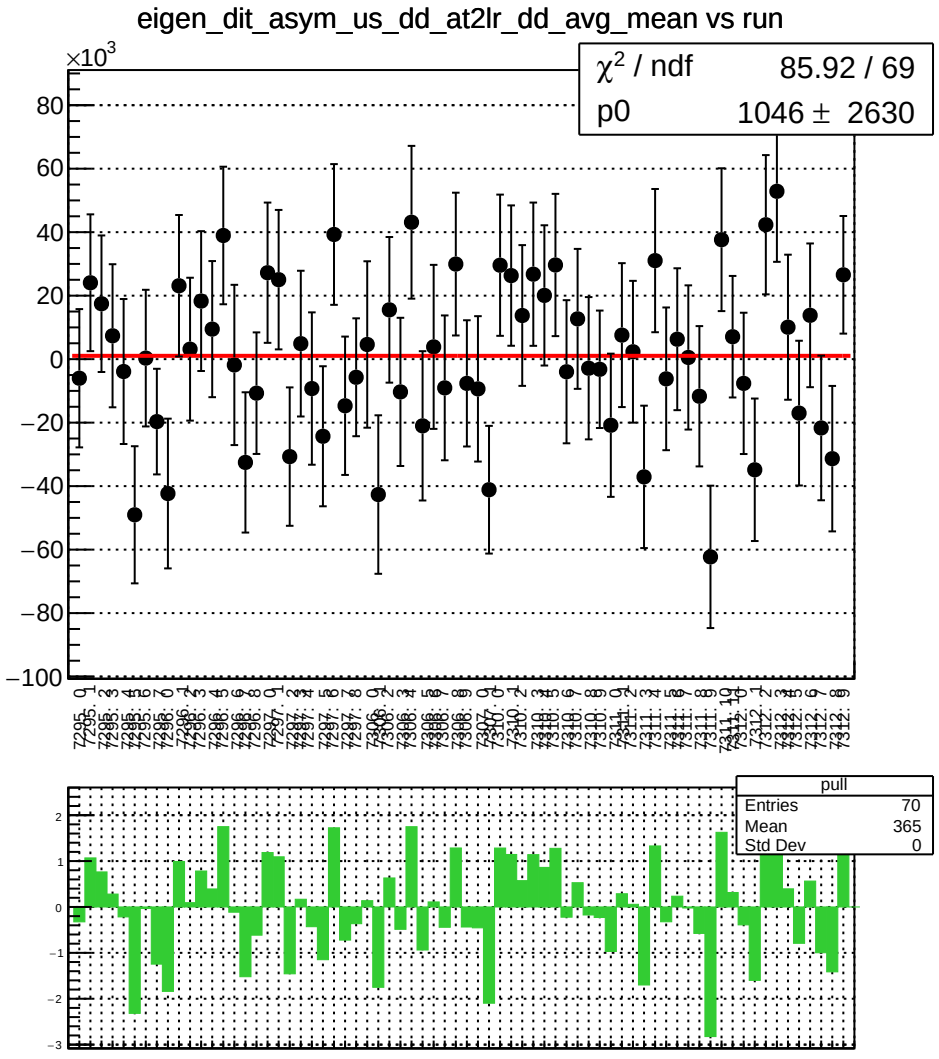

pull1D
Entries 70
Mean 0.003215
Std Dev 1.108

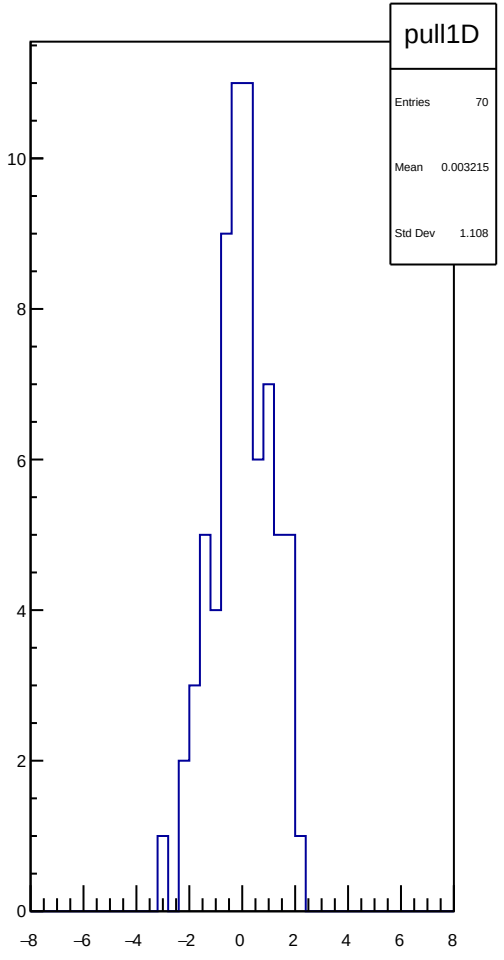

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1812 / 69
p0 2135 ± 1.86
2500
2400
2300
2200
2100
2000

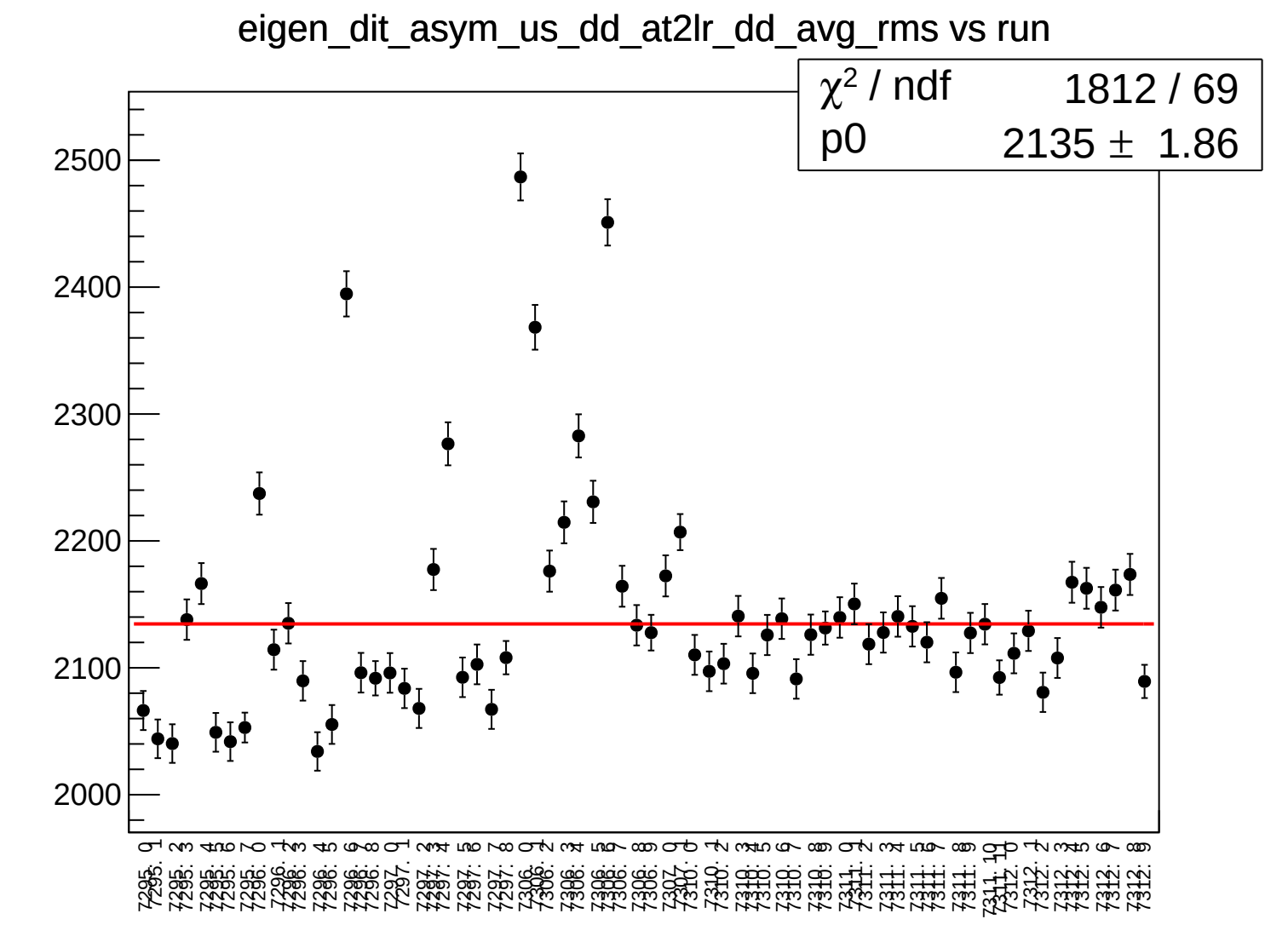

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 79.93 / 69
p0 −2208 ± 1396
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 318
Std Dev 0
2
1
0
−1
−2
−3

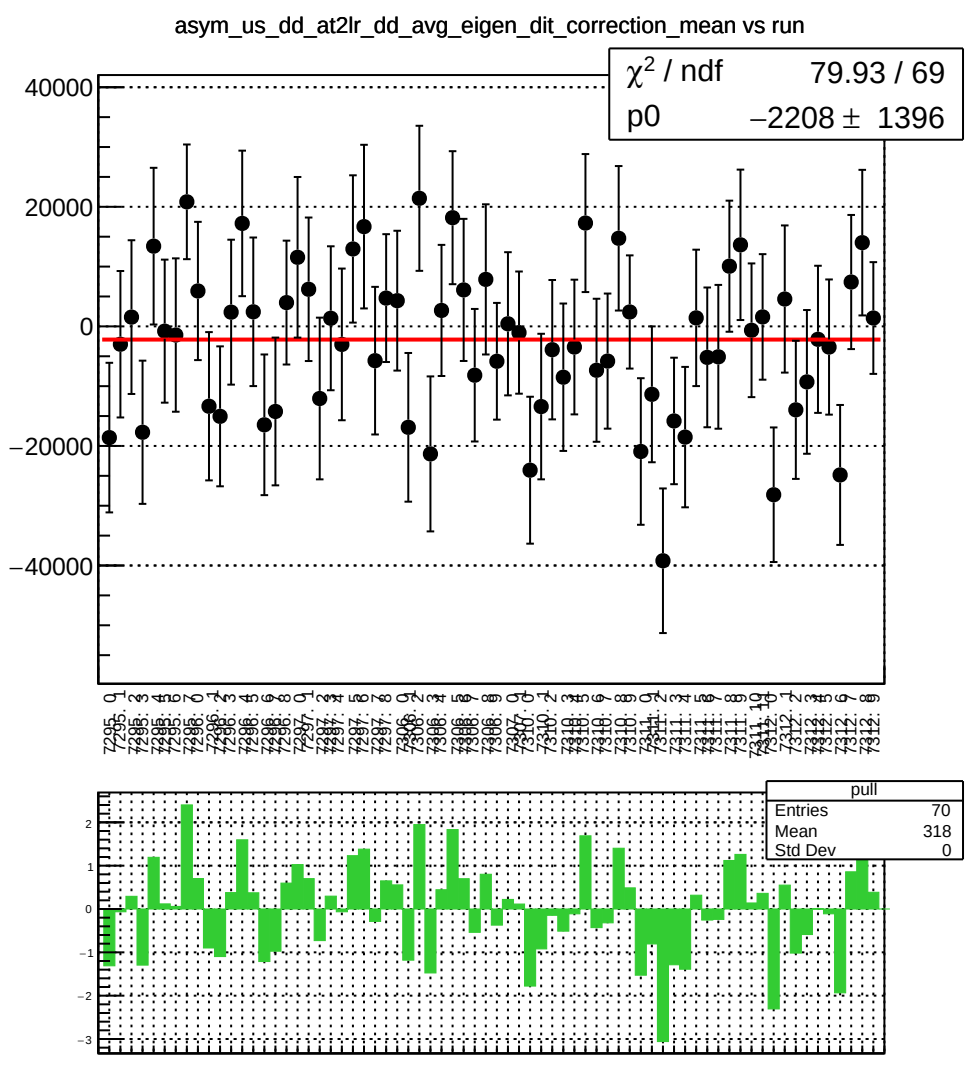

pull1D
Entries 70
Mean −0.01019
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

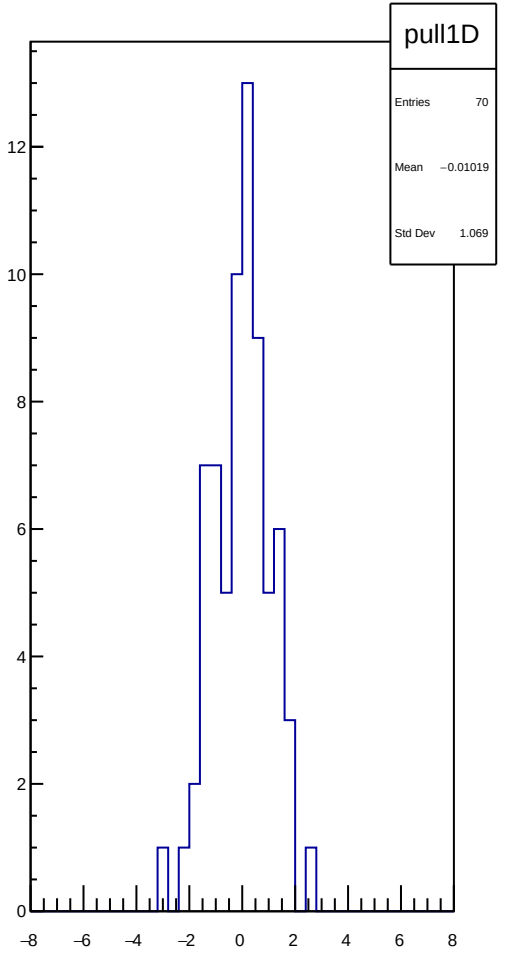

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3555 / 69
p0 1132 ± 0.9869
1300
1250
1200
1150
1100
1050
1000

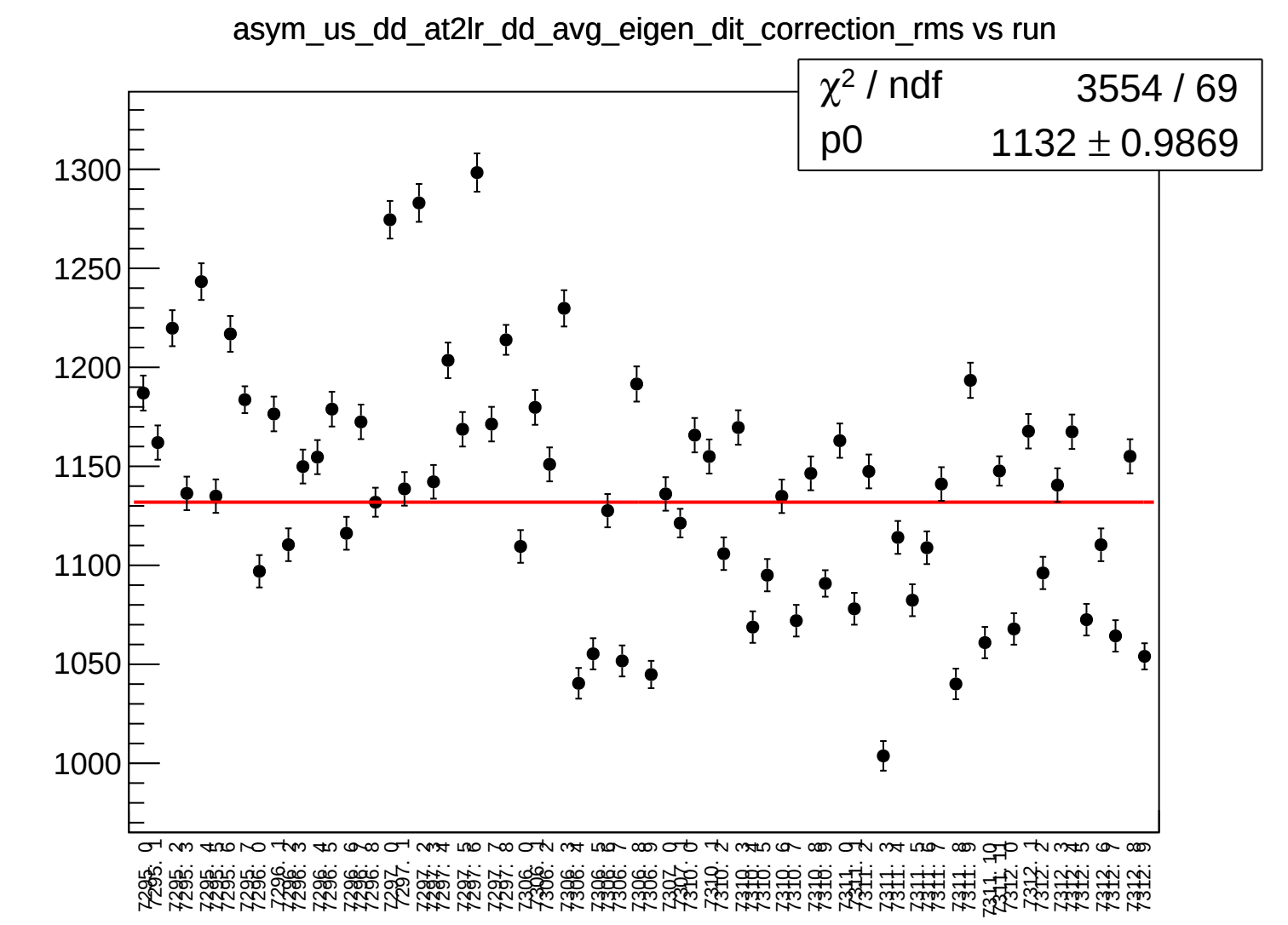

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 85.92 / 69
p0 1046 ± 2630
pull
Entries 70
Mean 365
Std Dev 0

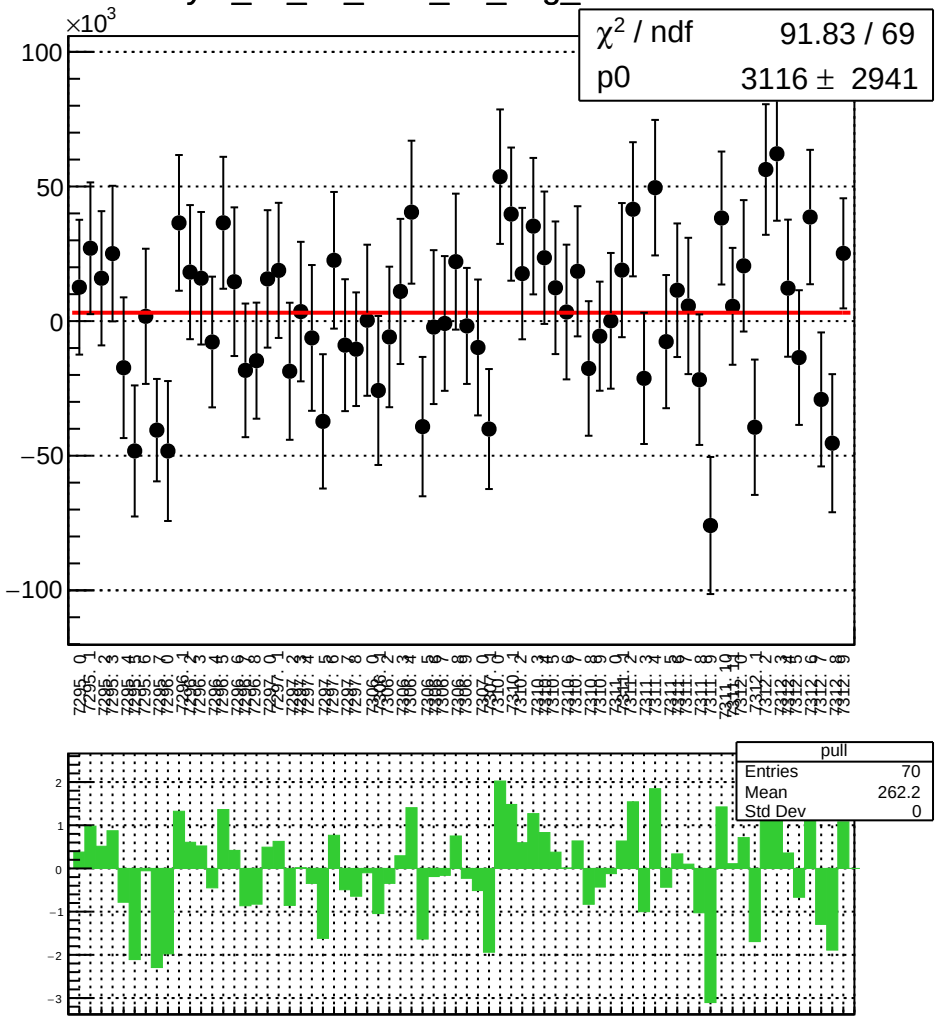

pull1D
Entries 70
Mean 0.003215
Std Dev 1.108

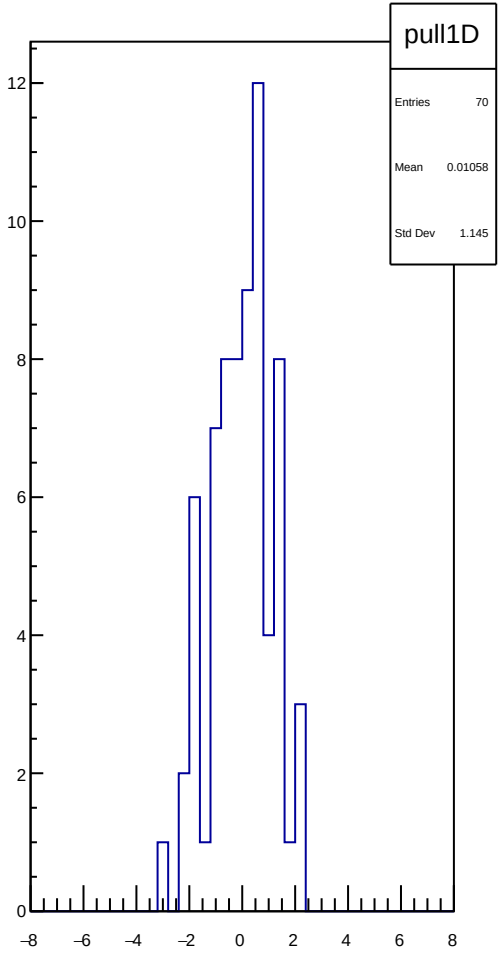

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1812 / 69
p0 2135 ± 1.86
2500
2400
2300
2200
2100
2000

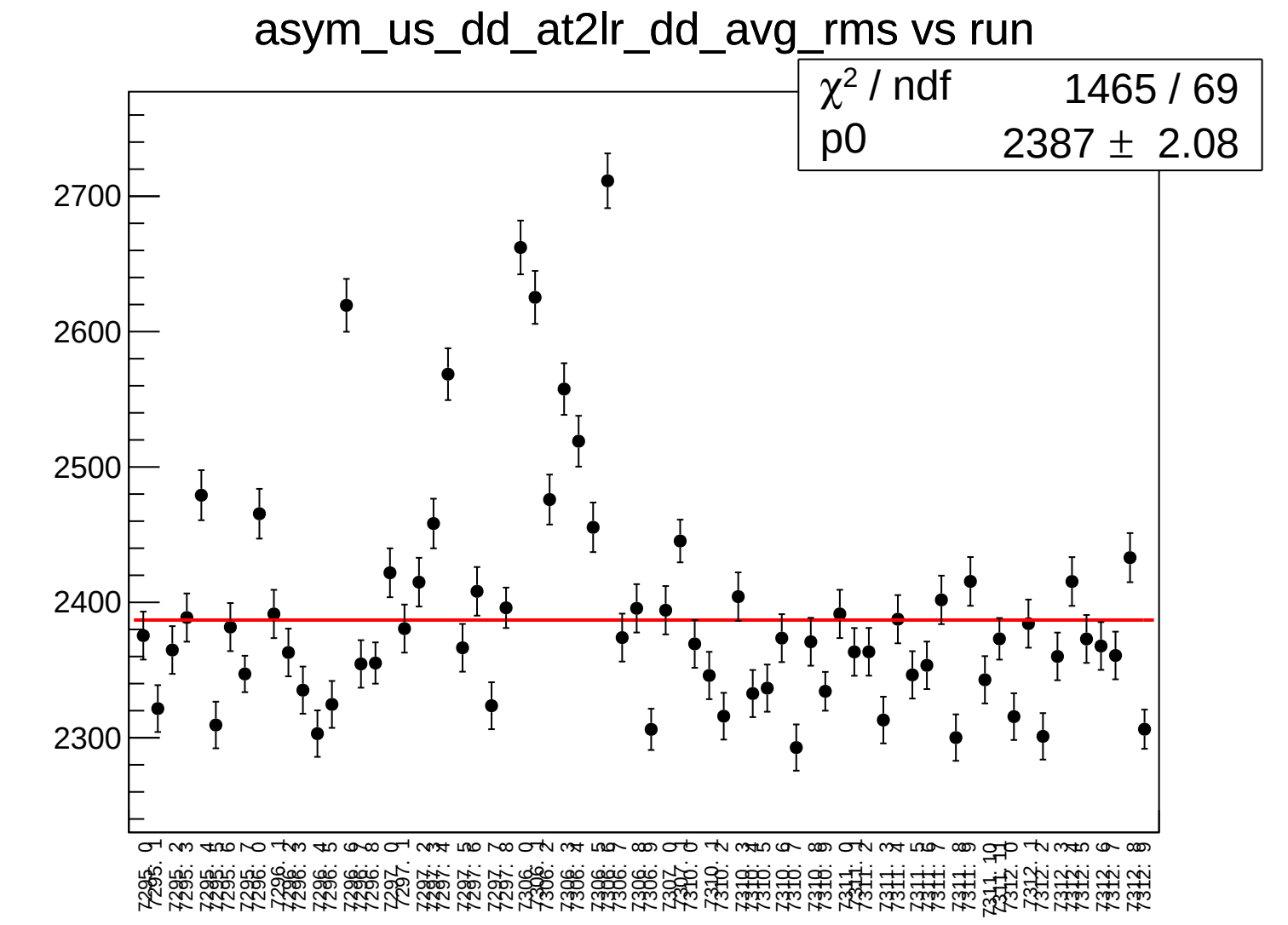

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 79.93 / 69
p0 −2208 ± 1396
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 318
Std Dev 0
2
1
0
−1
−2
−3

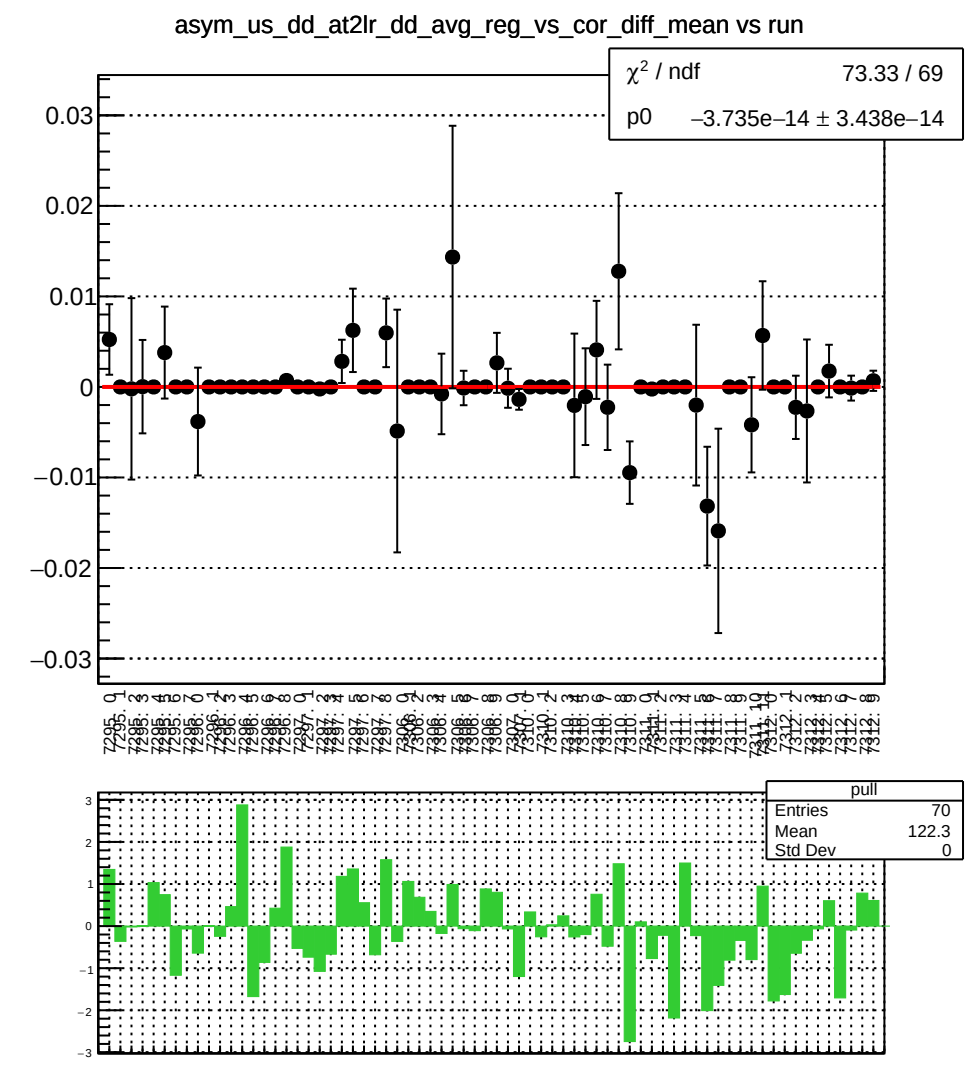

pull1D
Entries 70
Mean −0.01019
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

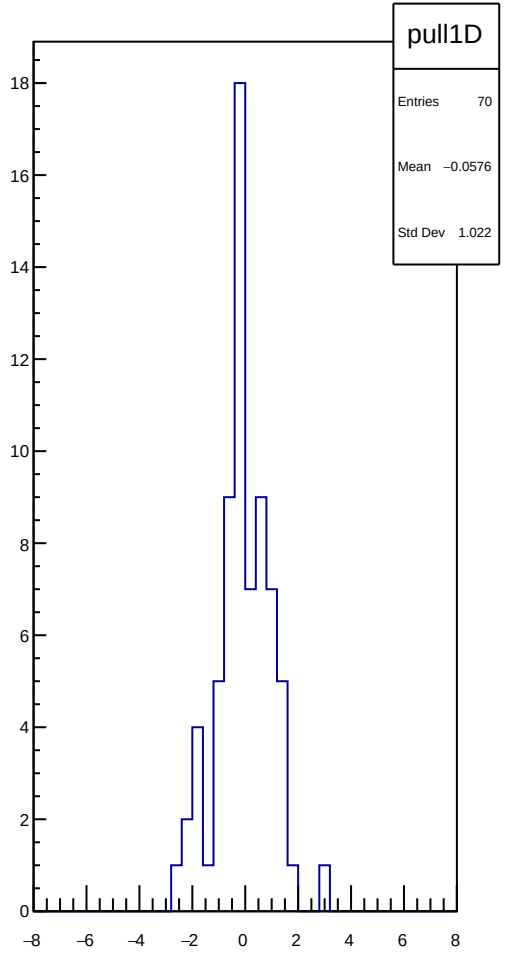

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3554 / 69
p0 1132 ± 0.9869
1300
1250
1200
1150
1100
1050
1000

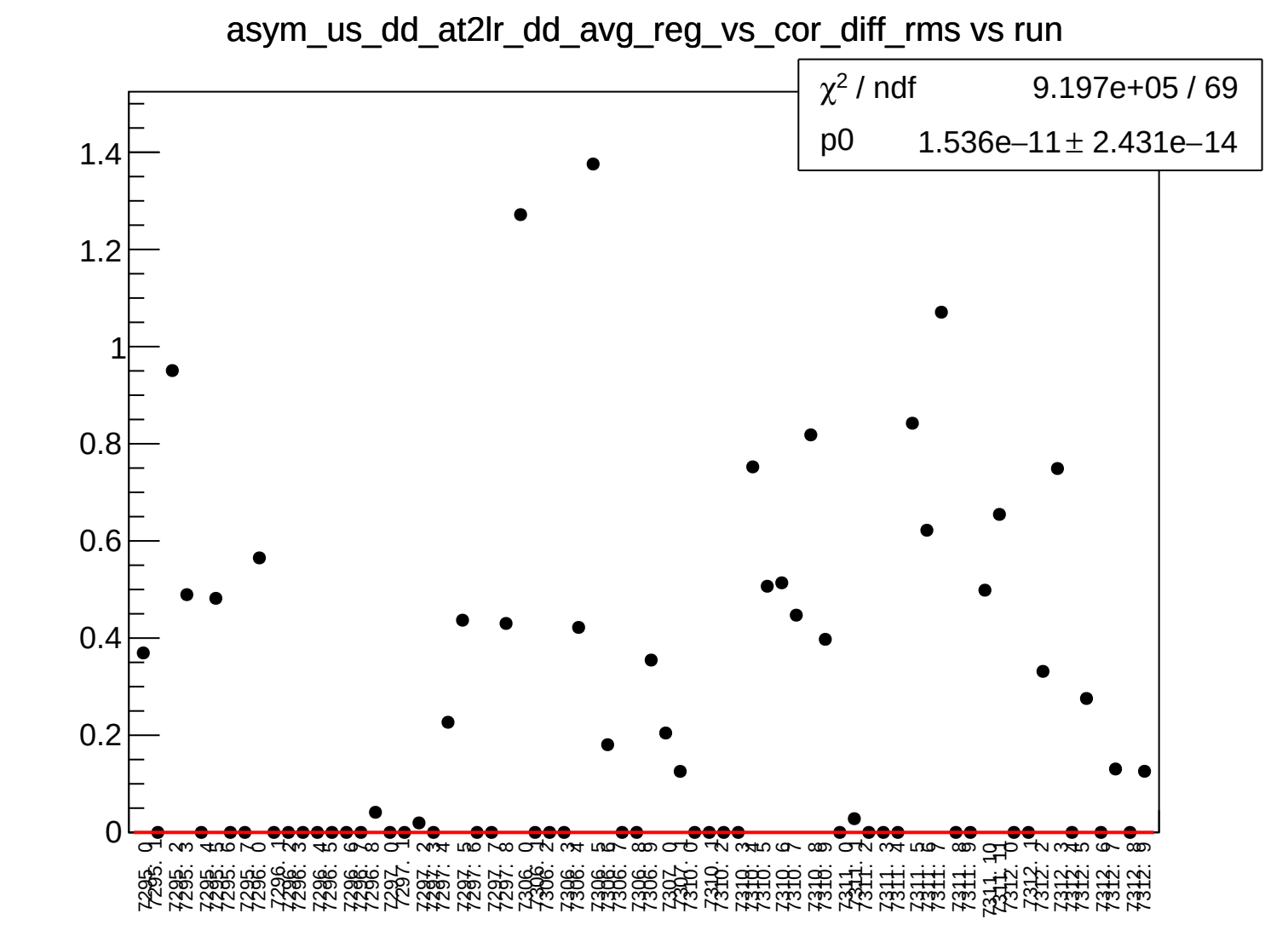

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 91.83 / 69
p0 3116 ± 2941
100
50
0
−50
−100
pull
Entries 70
Mean 262.2
Std Dev 0
2
1
0
−1
−2
−3

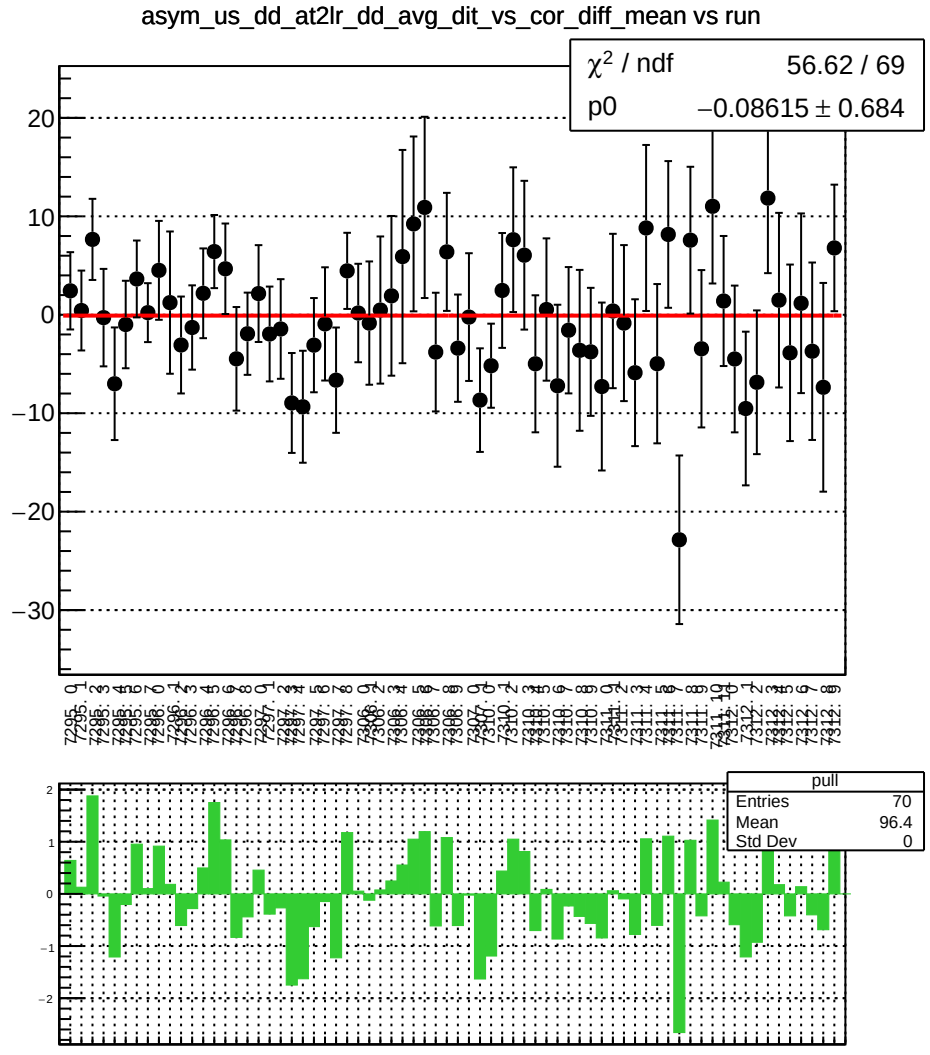

pull1D
Entries 70
Mean 0.01058
Std Dev 1.145
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

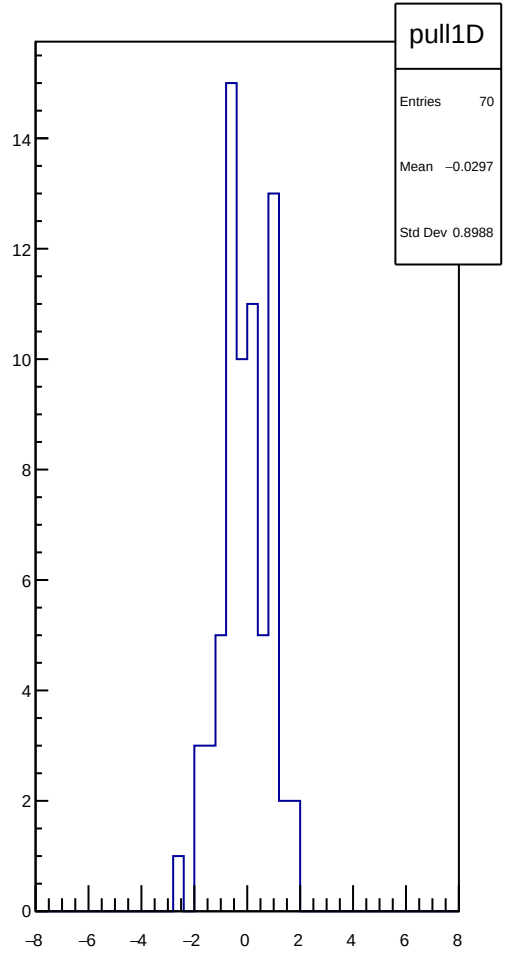

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1465 / 69
p0 2387 ± 2.08
2700
2600
2500
2400
2300

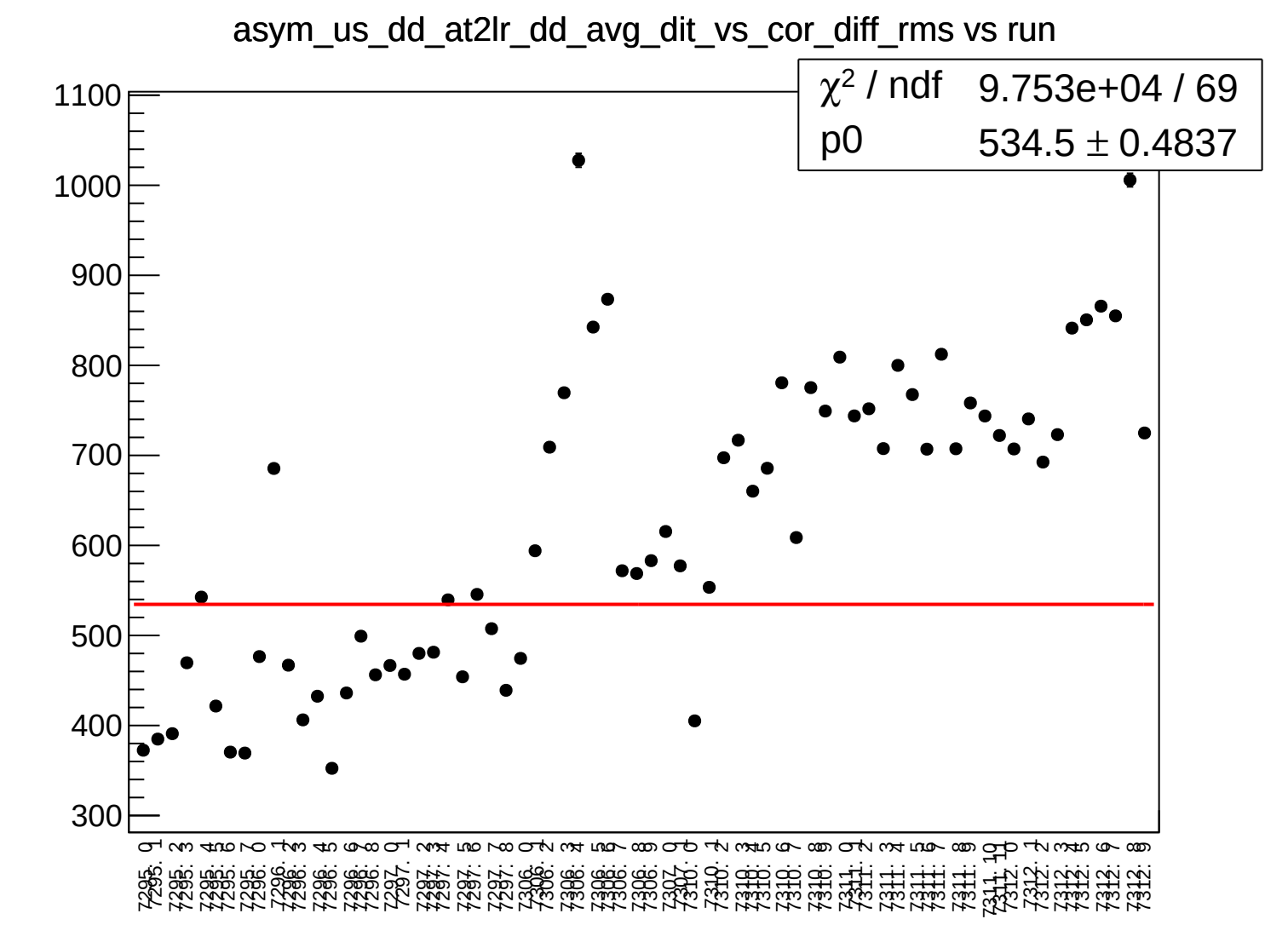

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.33 / 69
p0 −3.735e−14 ± 3.438e−14
pull
Entries 70
Mean 122.3
Std Dev 0

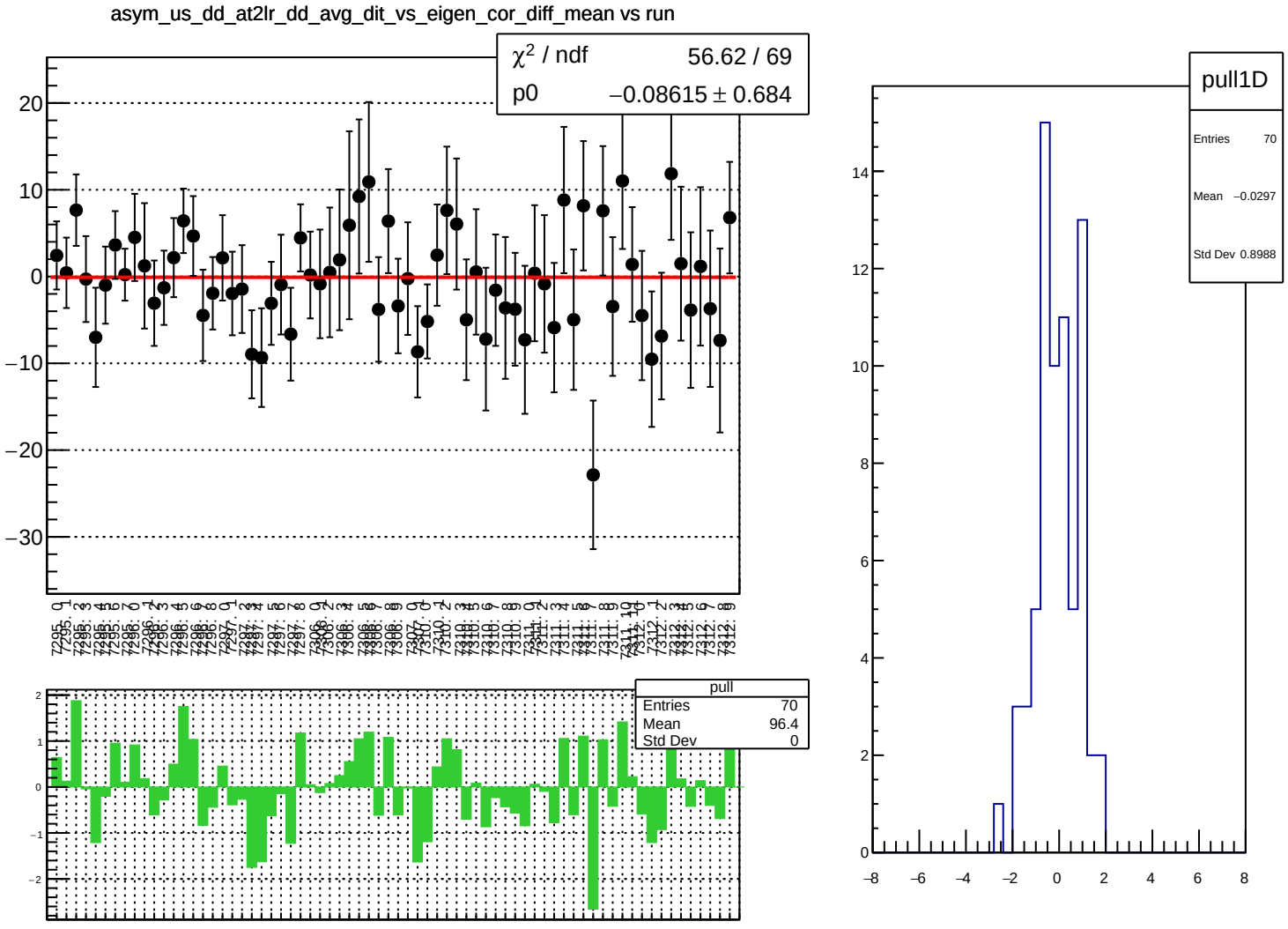

pull1D
Entries 70
Mean −0.0576
Std Dev 1.022

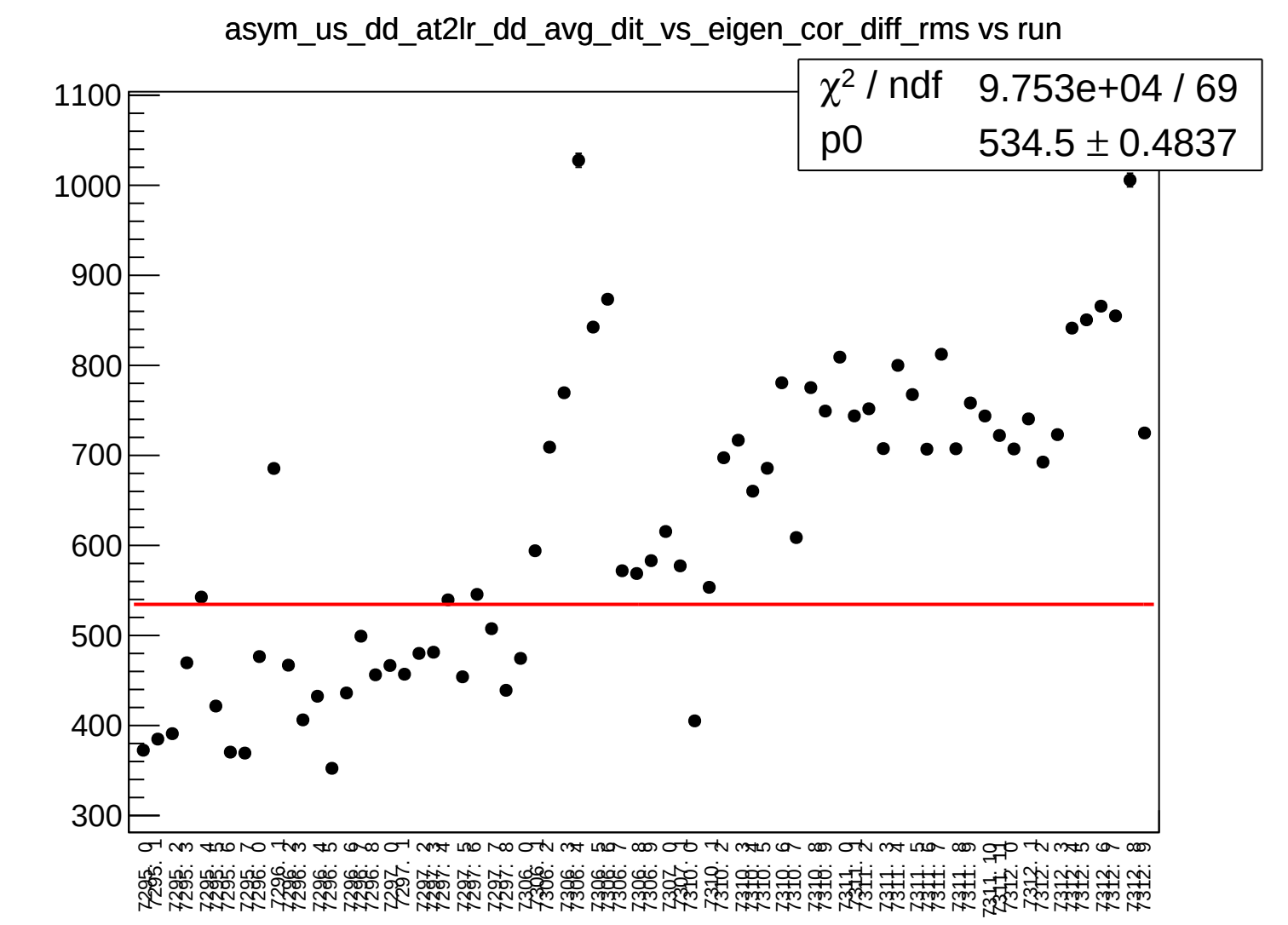

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.197e+05 / 69
p0 1.536e−11 ± 2.431e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

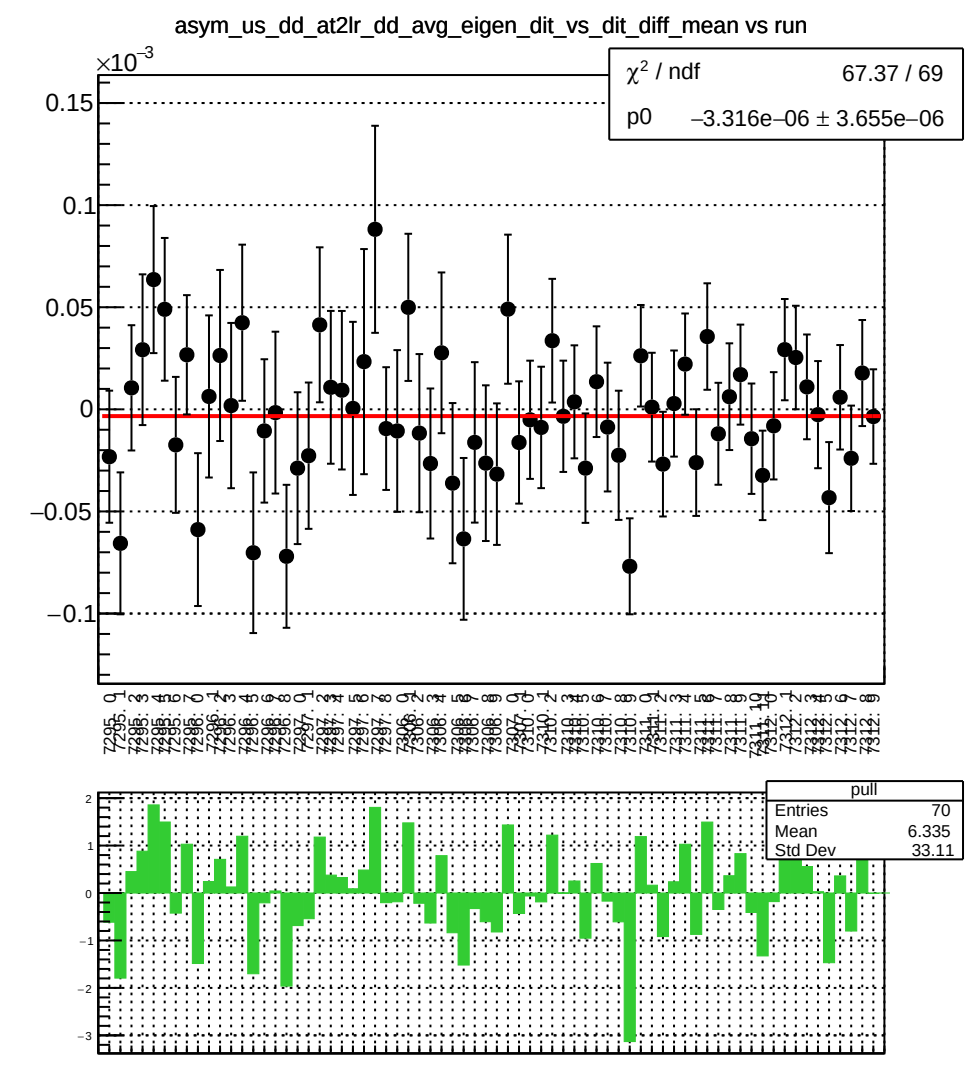

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.62 / 69
p0 −0.08615 ± 0.684
pull
Entries 70
Mean 96.4
Std Dev 0

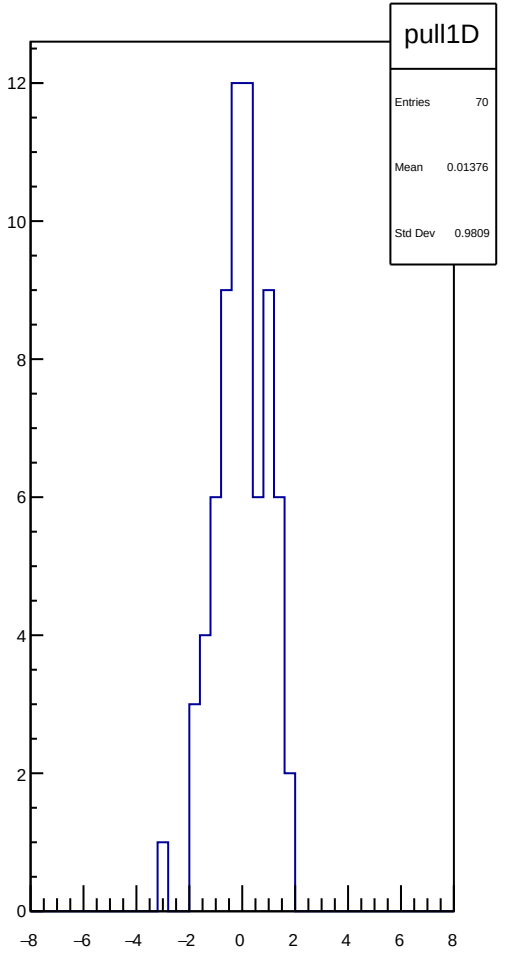

pull1D
Entries 70
Mean −0.0297
Std Dev 0.8988

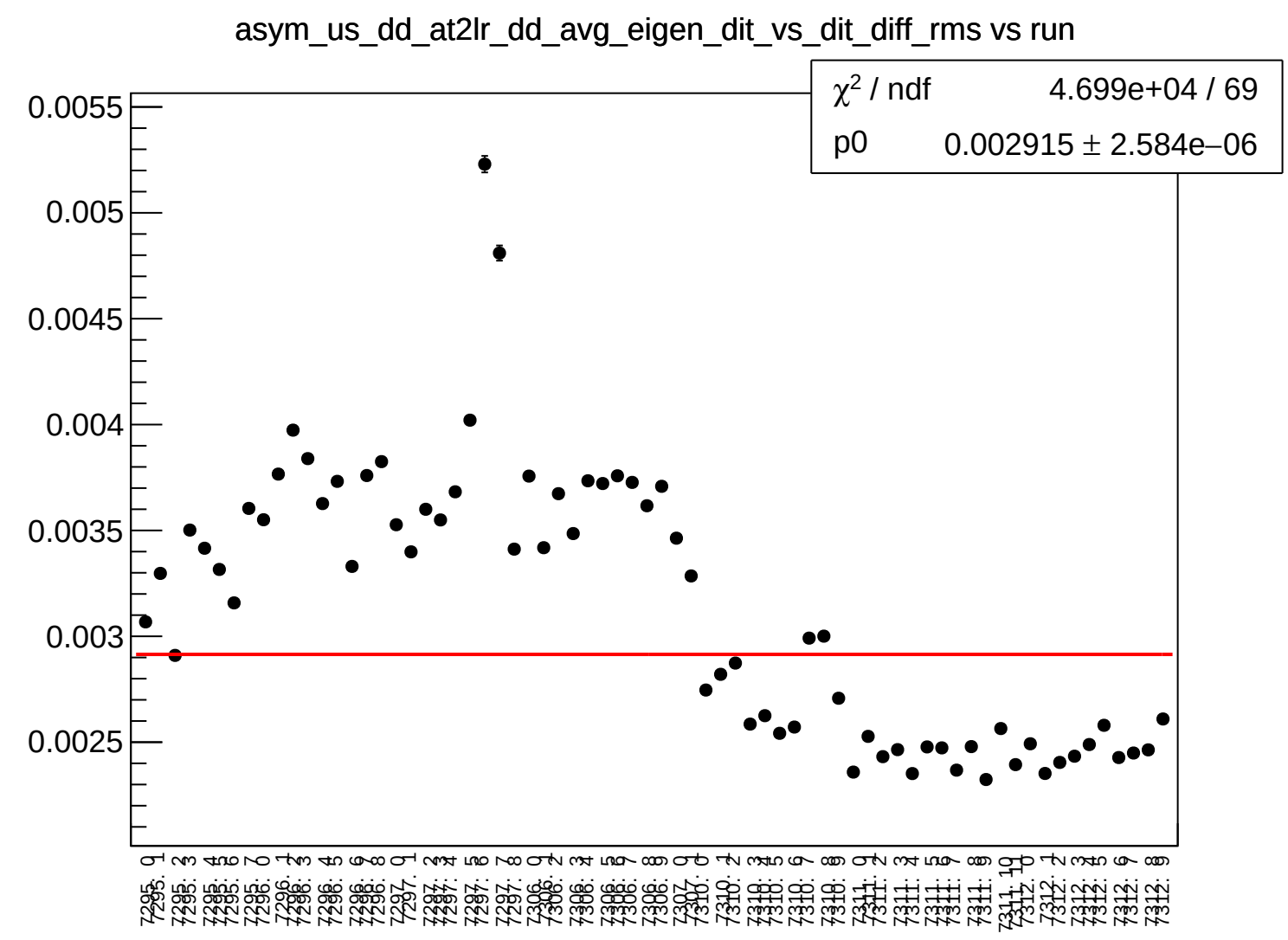

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.753e+04 / 69
p0 534.5 ± 0.4837
1100
1000
900
800
700
600
500
400
300

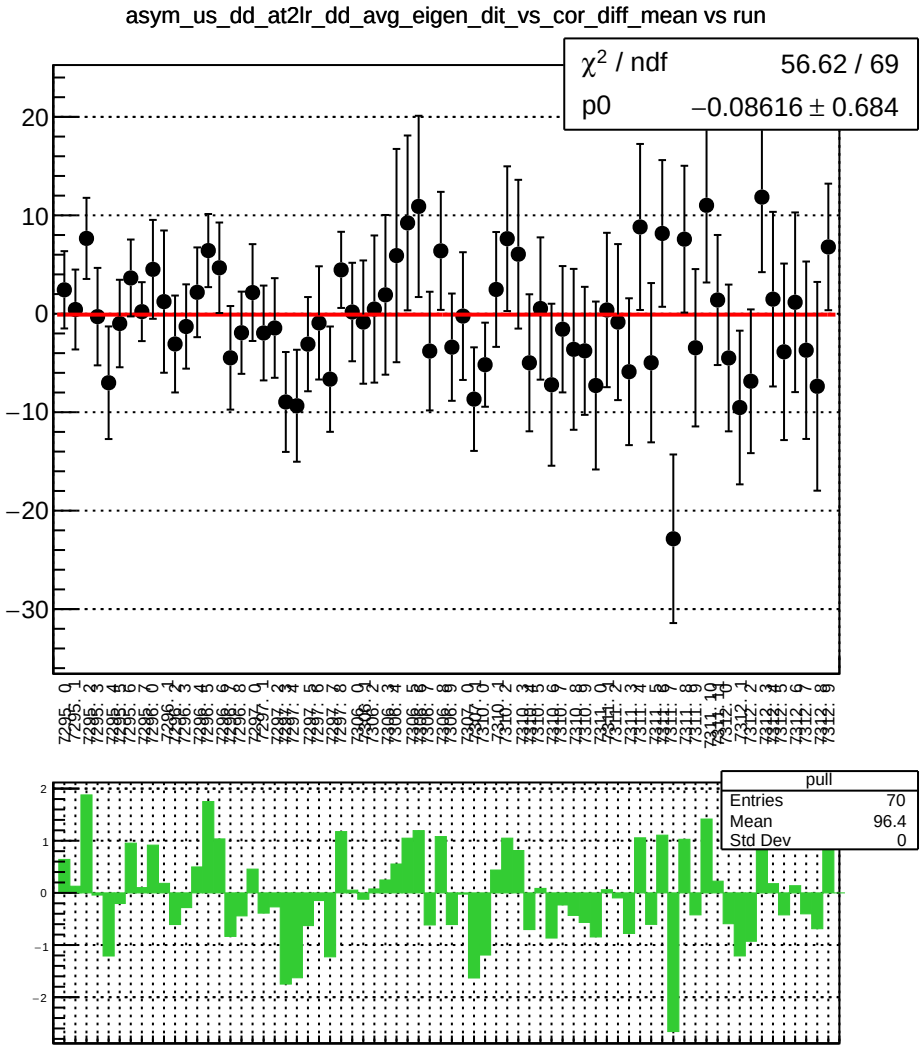

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.62 / 69
p0 −0.08615 ± 0.684
pull
Entries 70
Mean 96.4
Std Dev 0
pull1D
Entries 70
Mean −0.0297
Std Dev 0.8988

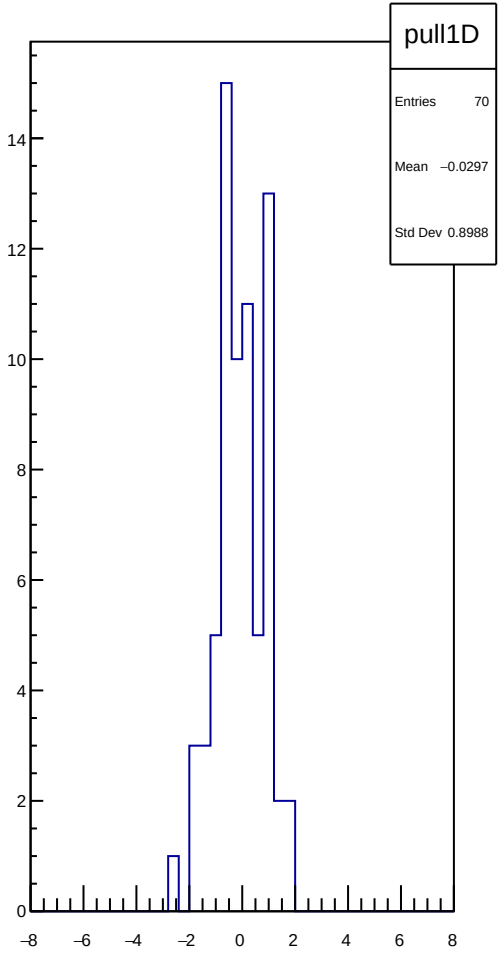

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.753e+04 / 69
p0 534.5 ± 0.4837
1100
1000
900
800
700
600
500
400
300

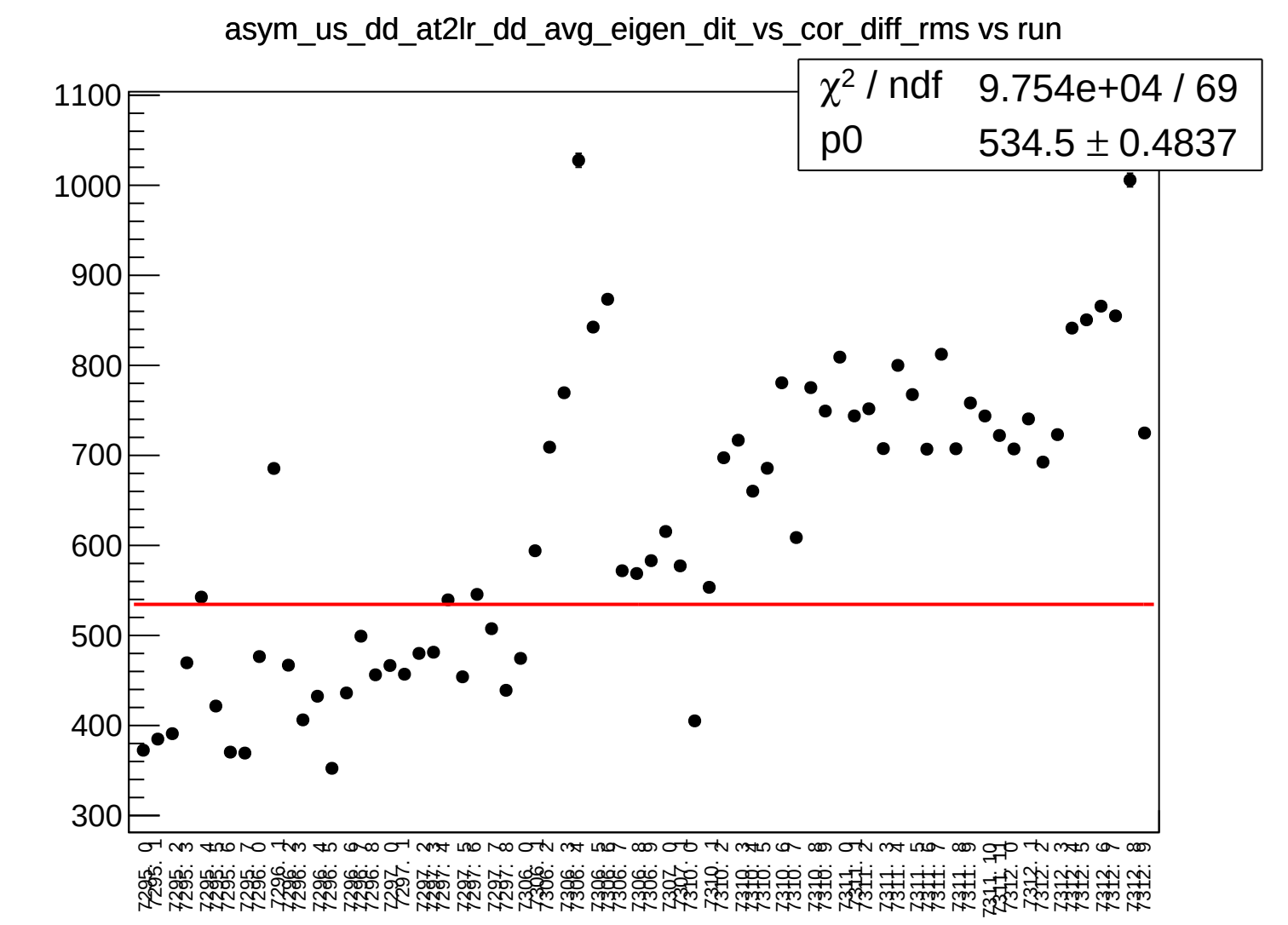

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.37 / 69
p0 −3.316e−06 ± 3.655e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 6.335
Std Dev 33.11
2
1
0
−1
−2
−3

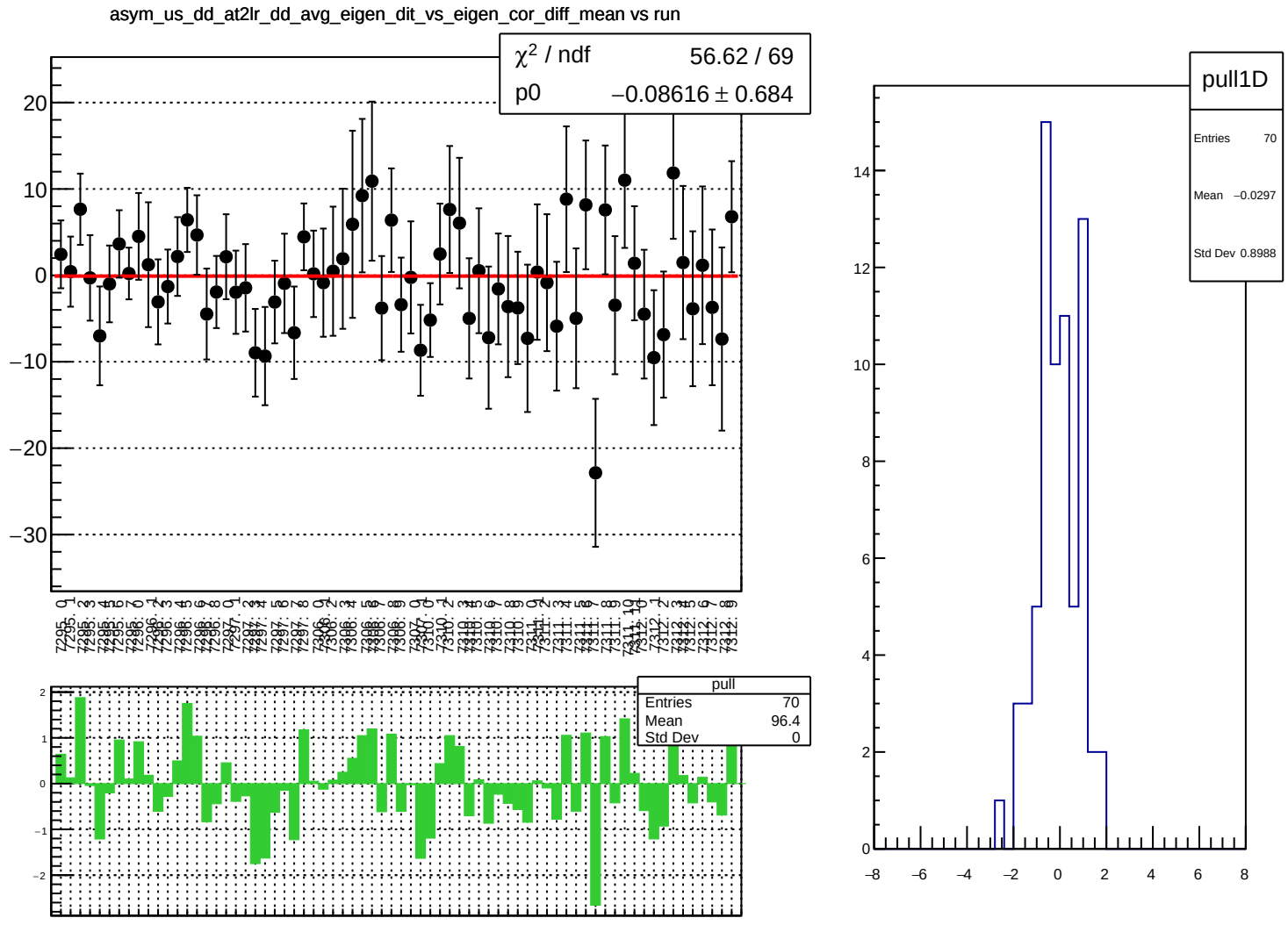

pull1D
Entries 70
Mean 0.01376
Std Dev 0.9809
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

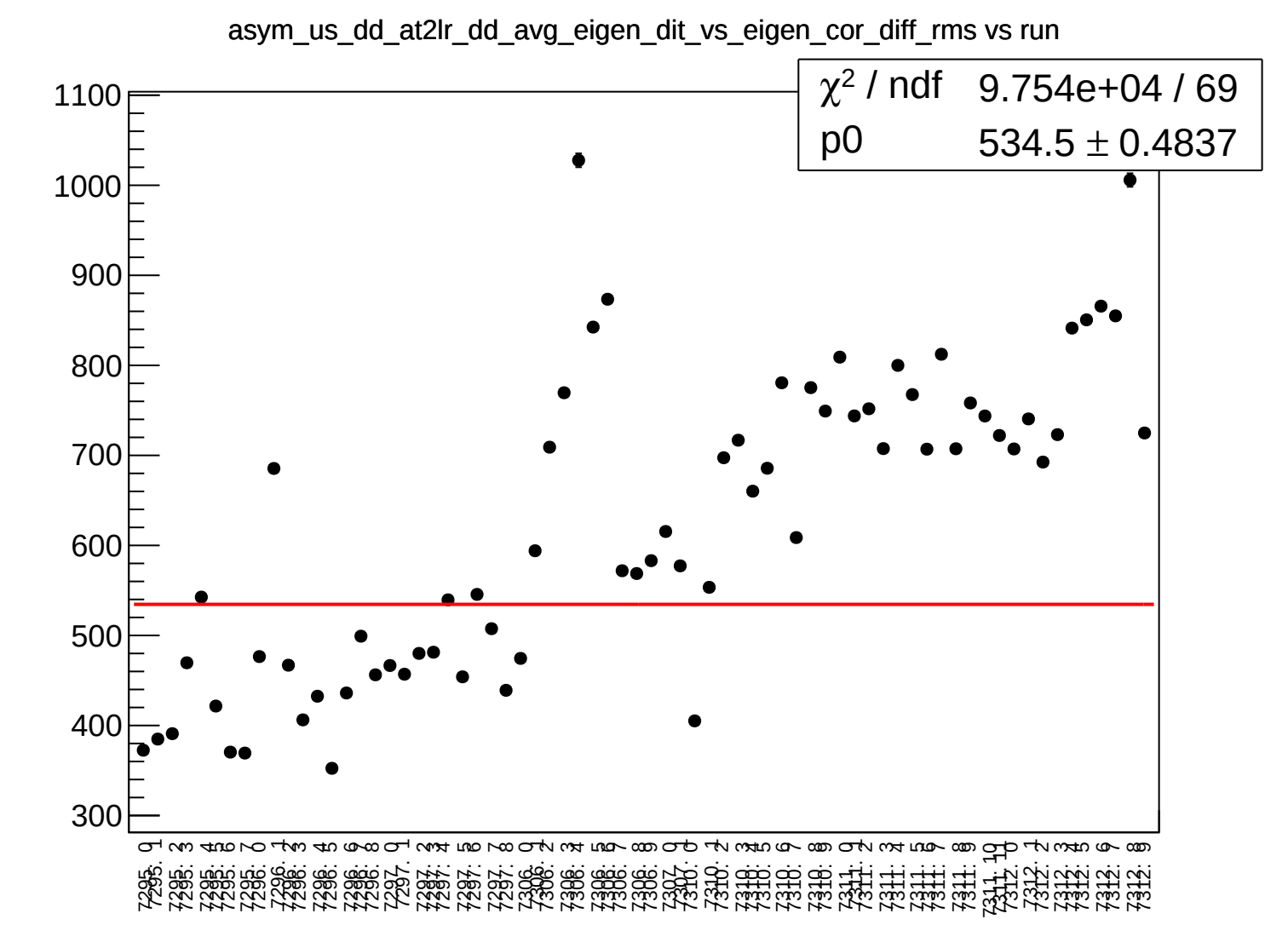

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.699e+04 / 69
p0 0.002915 ± 2.584e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

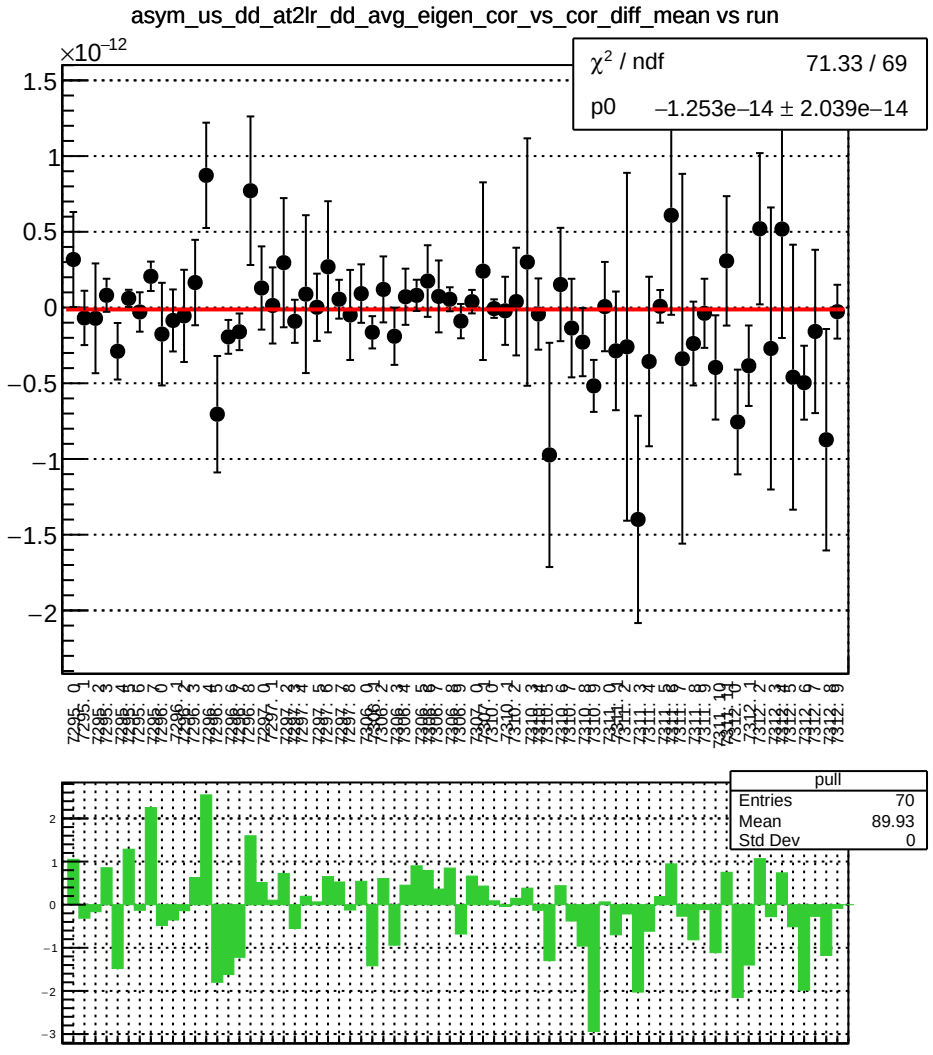

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.62 / 69
p0 −0.08616 ± 0.684
pull
Entries 70
Mean 96.4
Std Dev 0

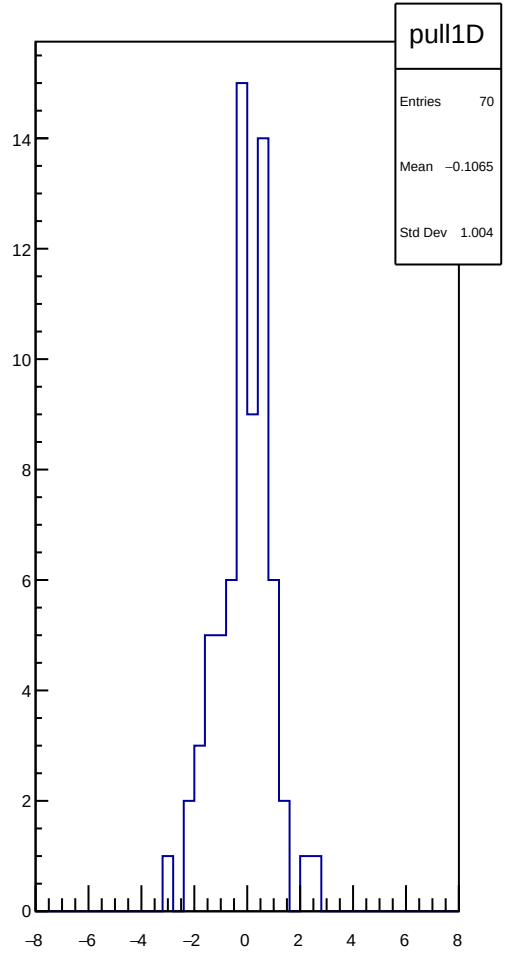

pull1D
Entries 70
Mean −0.0297
Std Dev 0.8988

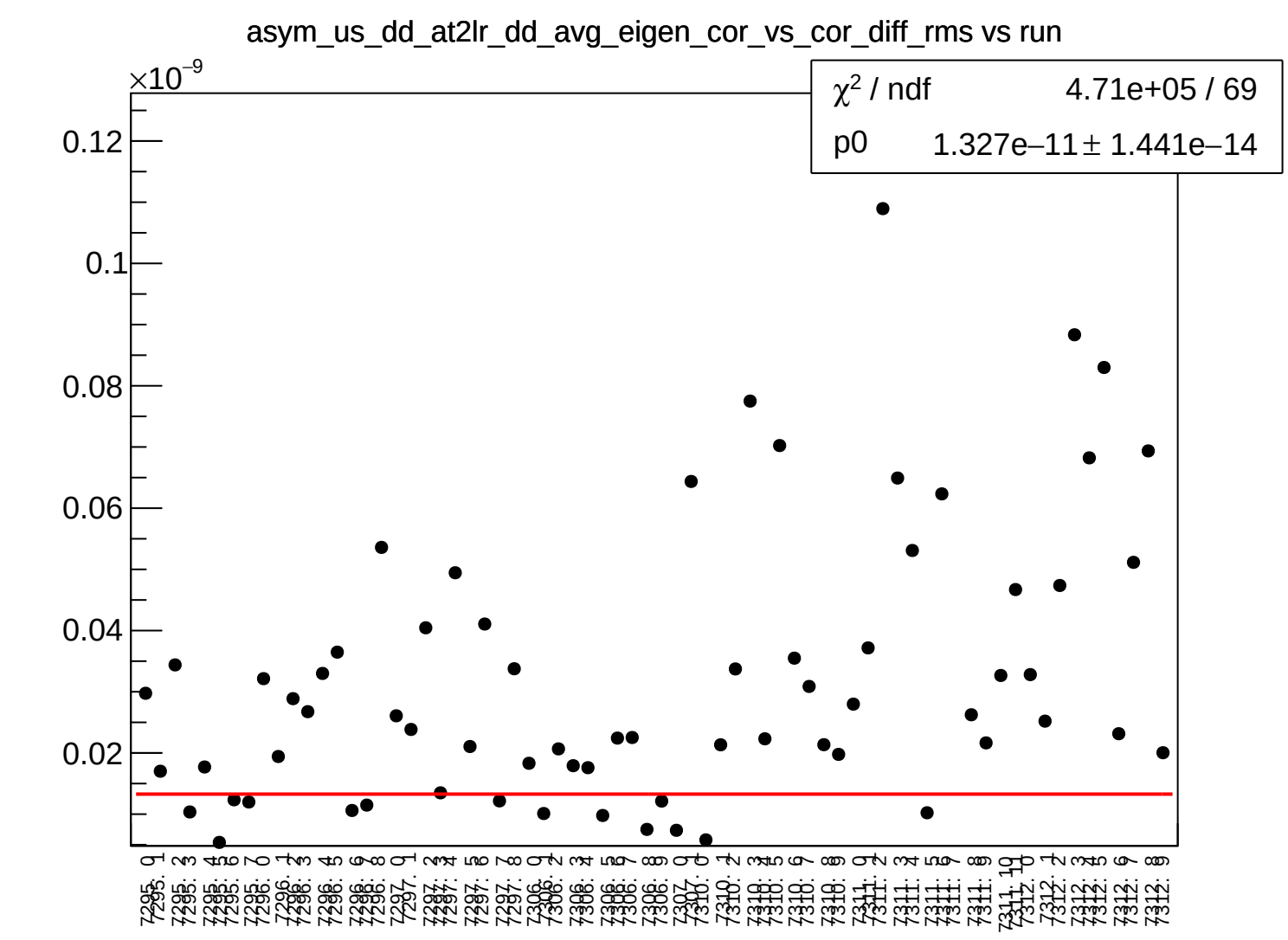

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.754e+04 / 69
p0 534.5 ± 0.4837
1100
1000
900
800
700
600
500
400
300

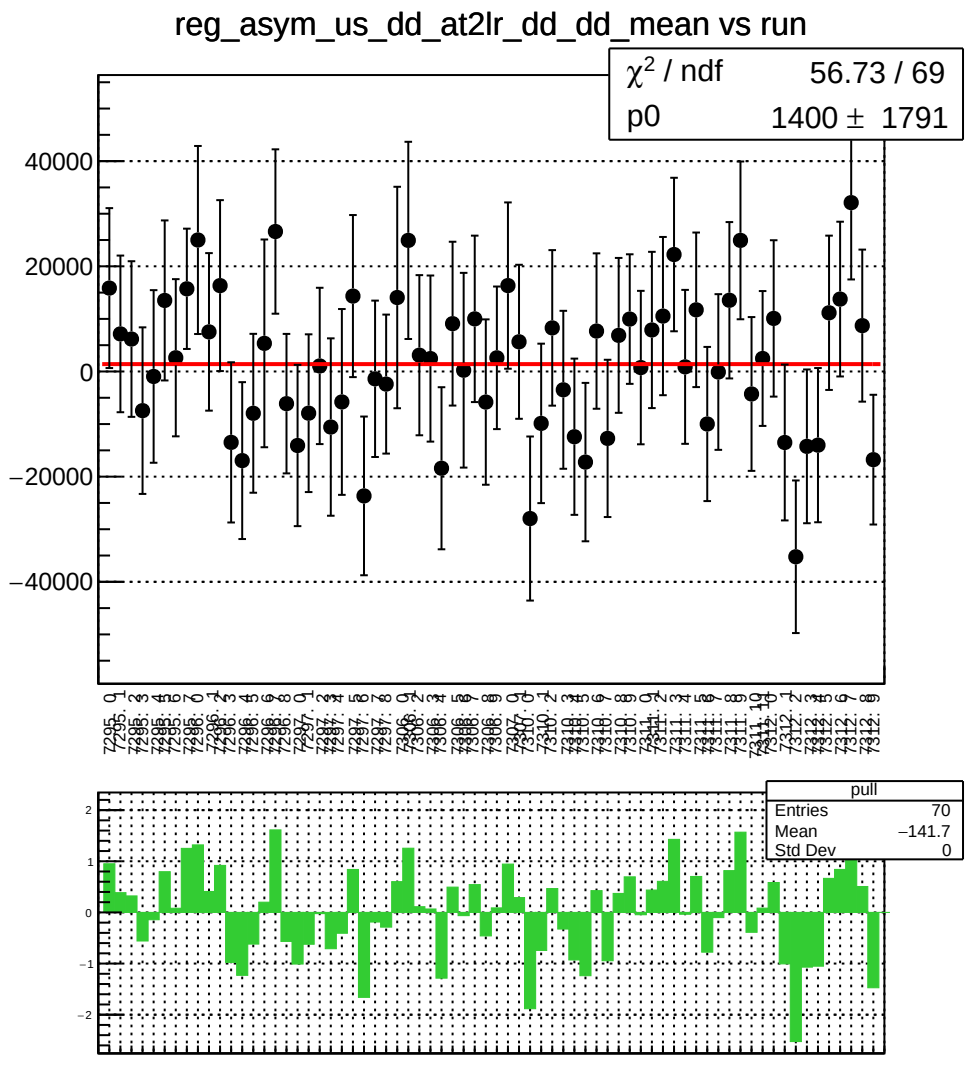

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.62 / 69
p0 −0.08616 ± 0.684
pull
Entries 70
Mean 96.4
Std Dev 0
pull1D
Entries 70
Mean −0.0297
Std Dev 0.8988

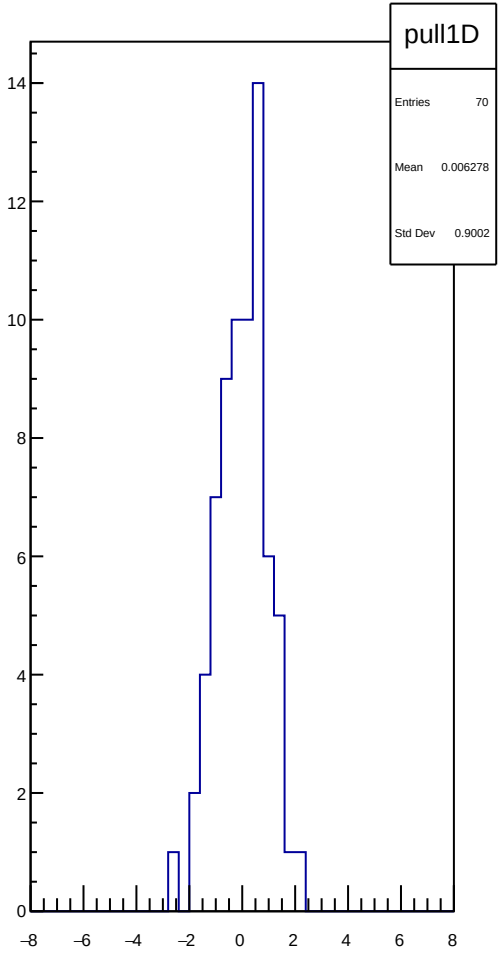

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.754e+04 / 69
p0 534.5 ± 0.4837
1100
1000
900
800
700
600
500
400
300

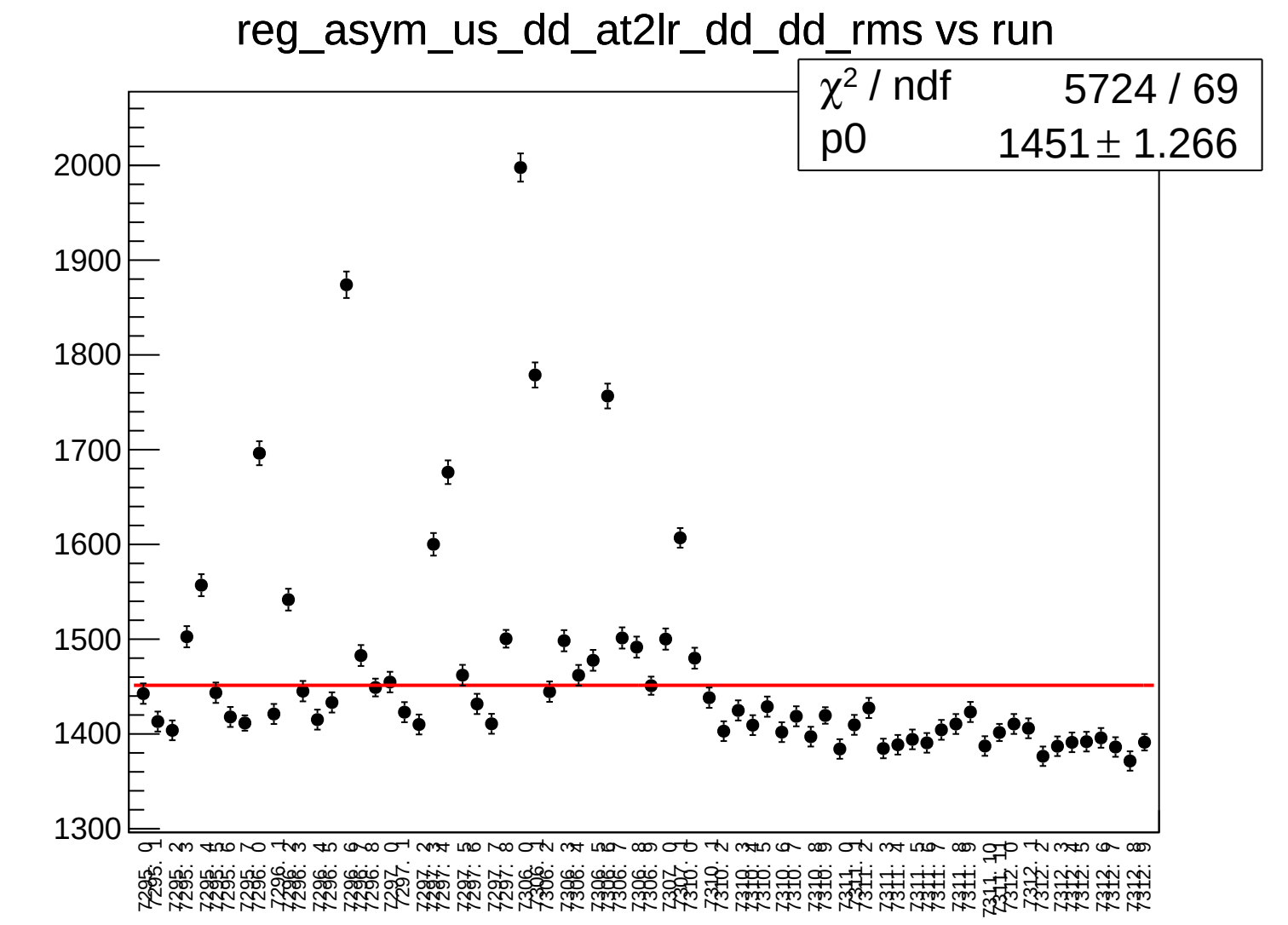

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.33 / 69
p0 −1.253e−14 ± 2.039e−14
pull
Entries 70
Mean 89.93
Std Dev 0

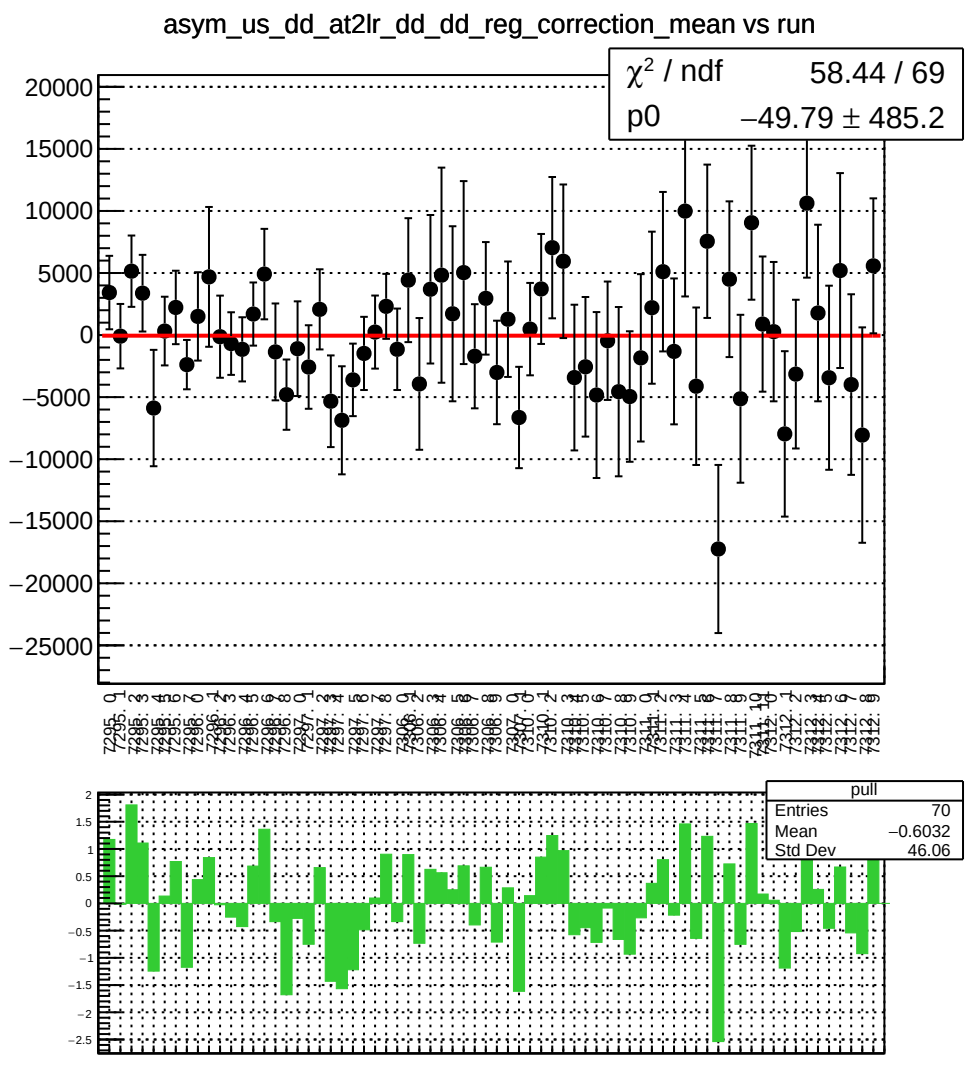

pull1D
Entries 70
Mean −0.1065
Std Dev 1.004

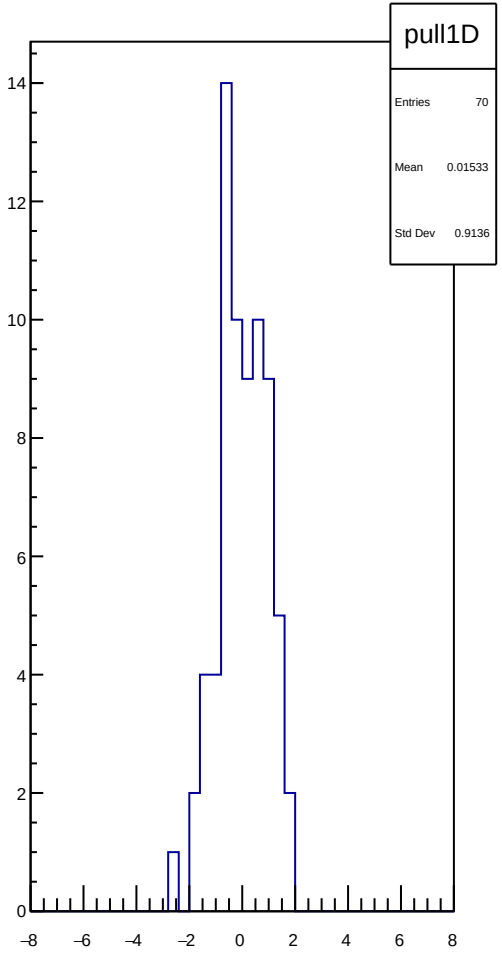

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.71e+05 / 69
p0 1.327e−11 ± 1.441e−14
0.12
0.1
0.08
0.06
0.04
0.02

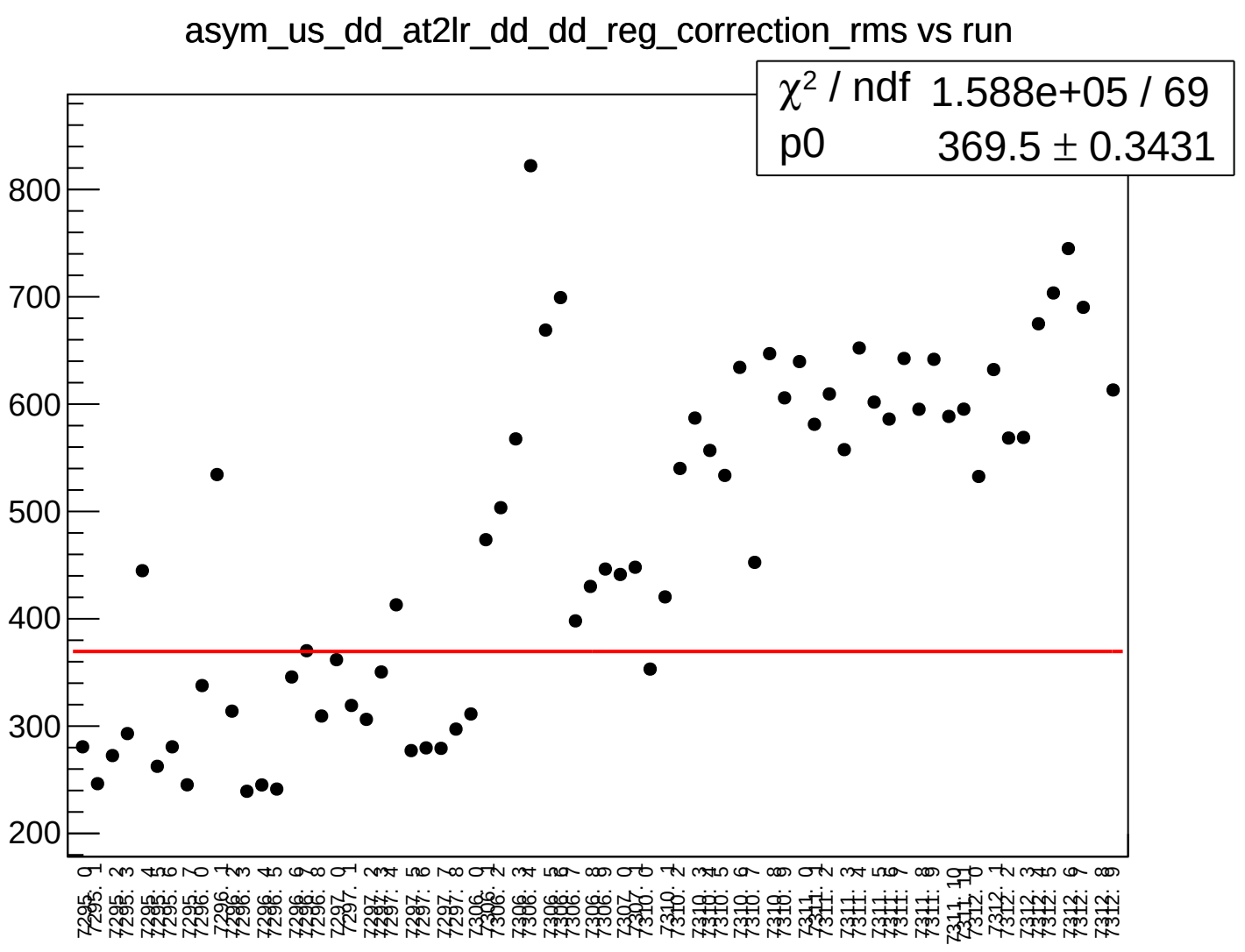

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 56.73 / 69
p0 1400 ± 1791
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −141.7
Std Dev 0
2
1
0
−1
−2

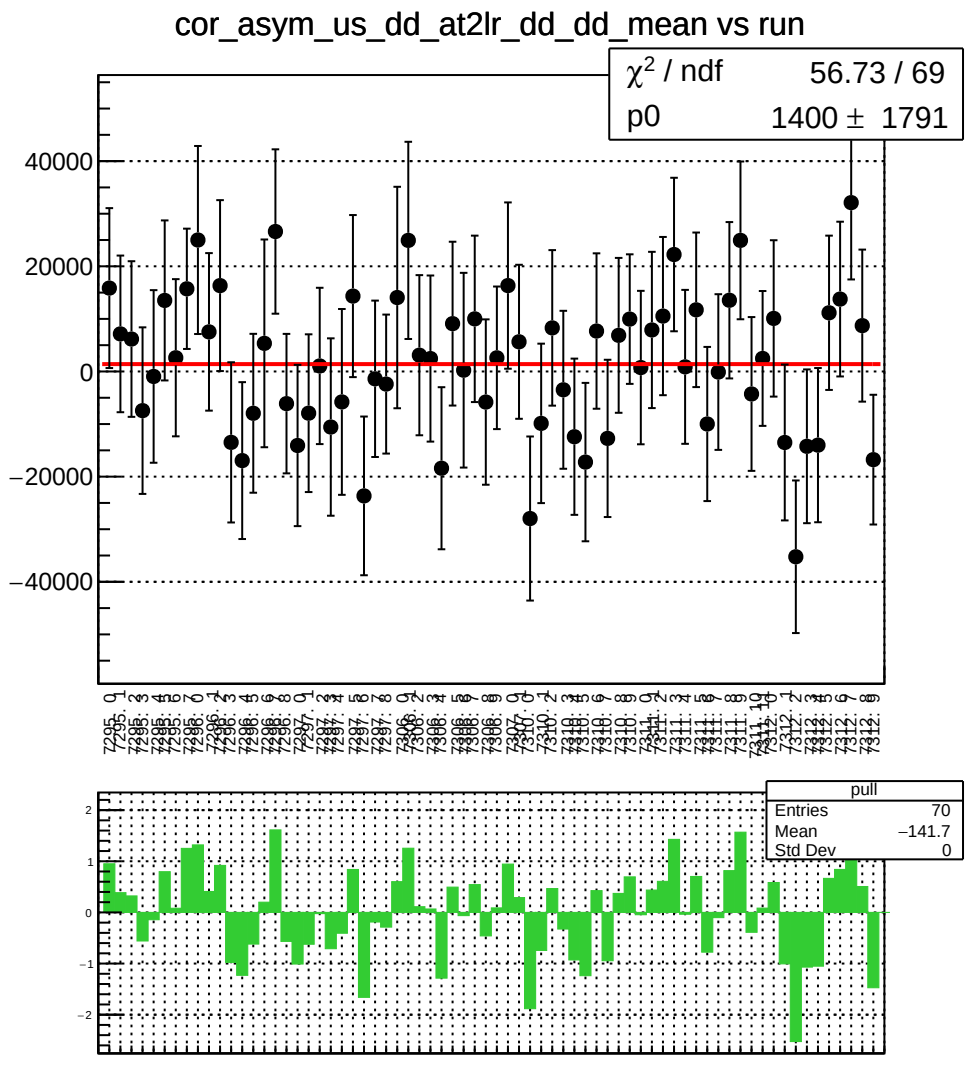

pull1D
Entries 70
Mean 0.006278
Std Dev 0.9002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

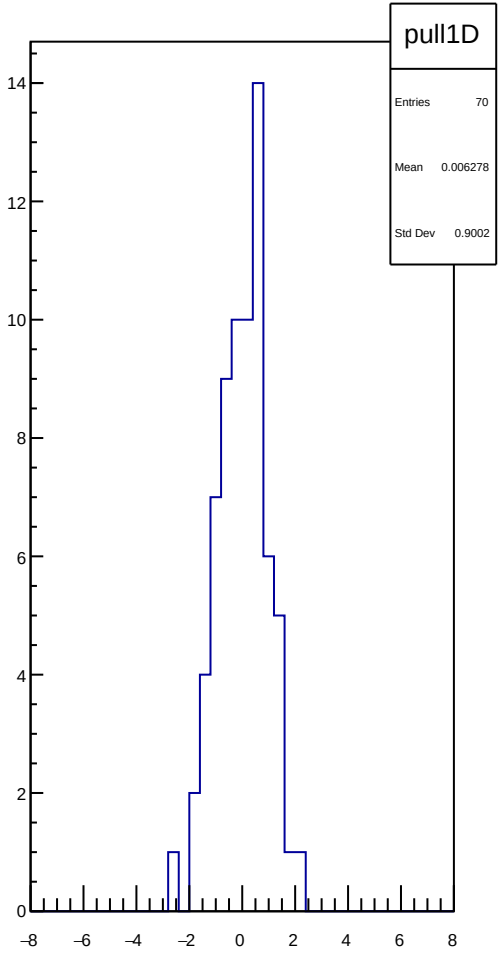

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 5724 / 69
p0 1451 ± 1.266
2000
1900
1800
1700
1600
1500
1400
1300

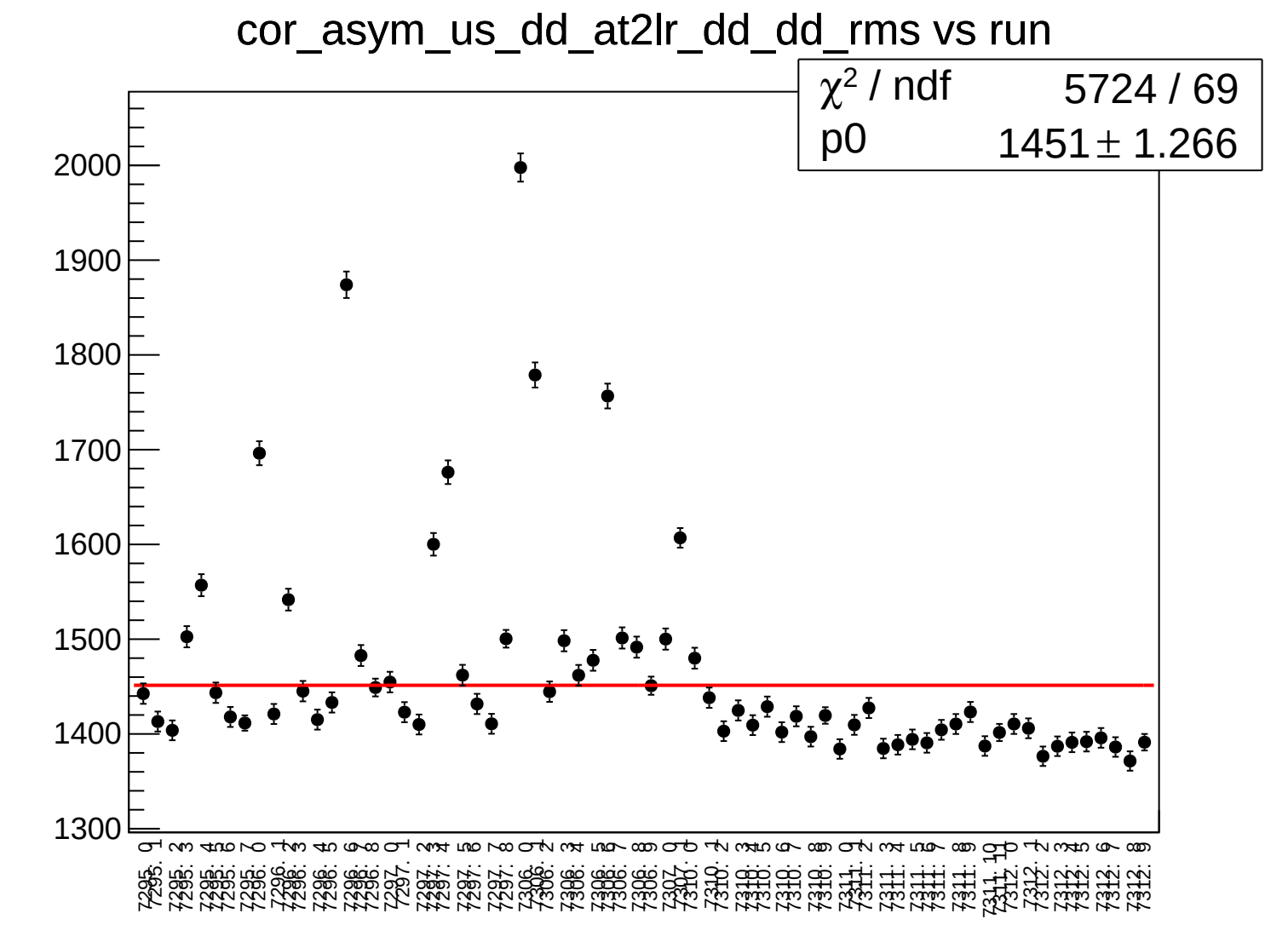

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 58.44 / 69
p0 −49.79 ± 485.2
pull
Entries 70
Mean −0.6032
Std Dev 46.06

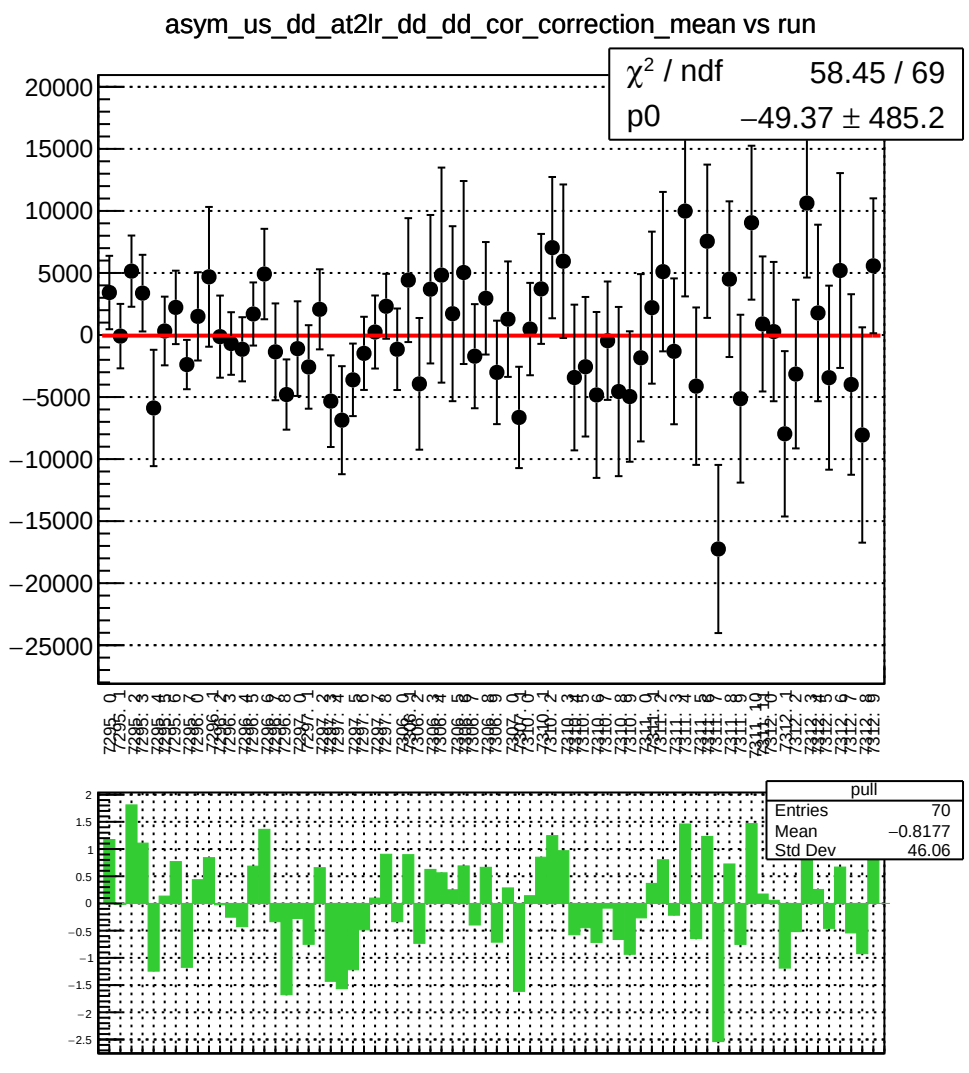

pull1D
Entries 70
Mean 0.01533
Std Dev 0.9136

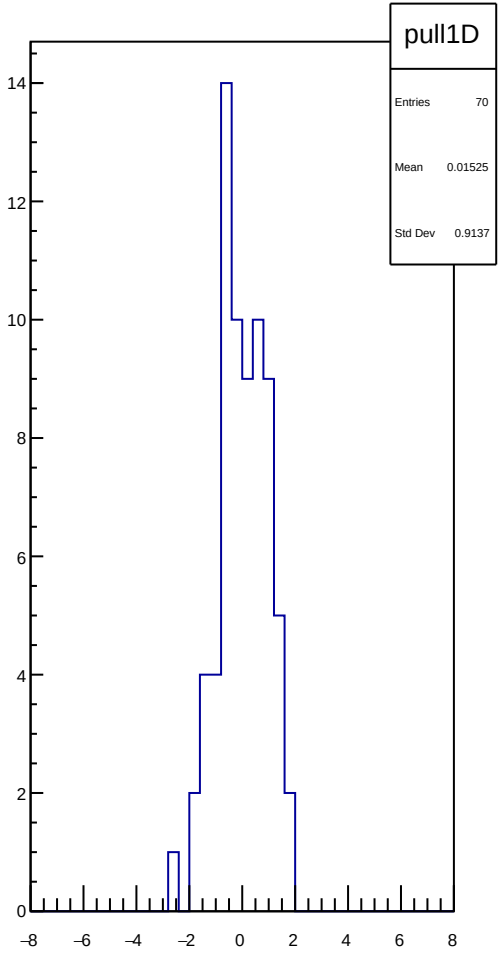

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.588e+05 / 69
p0 369.5 ± 0.3431
800
700
600
500
400
300
200

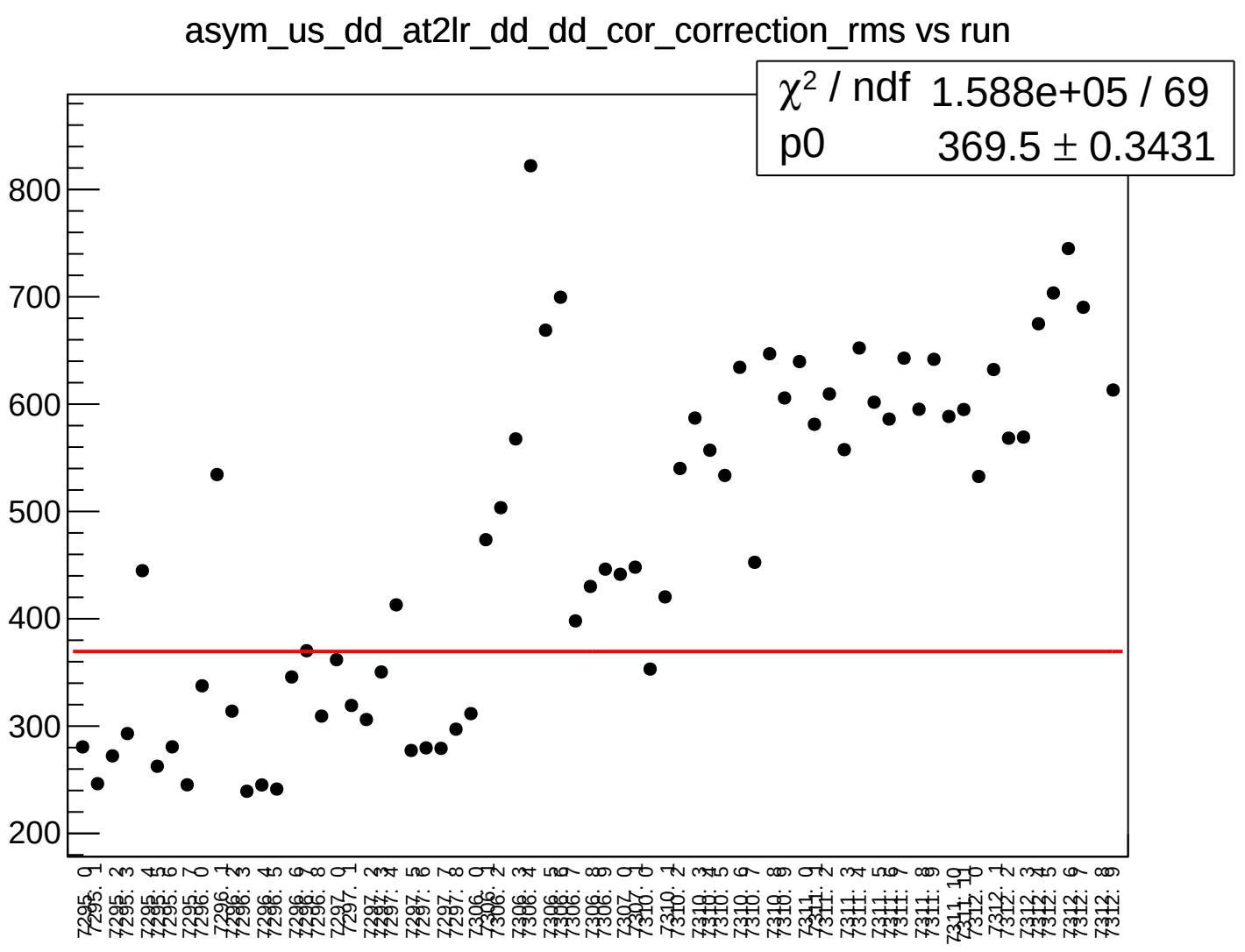

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 56.73 / 69
p0 1400 ± 1791
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −141.7
Std Dev 0
2
1
0
−1
−2

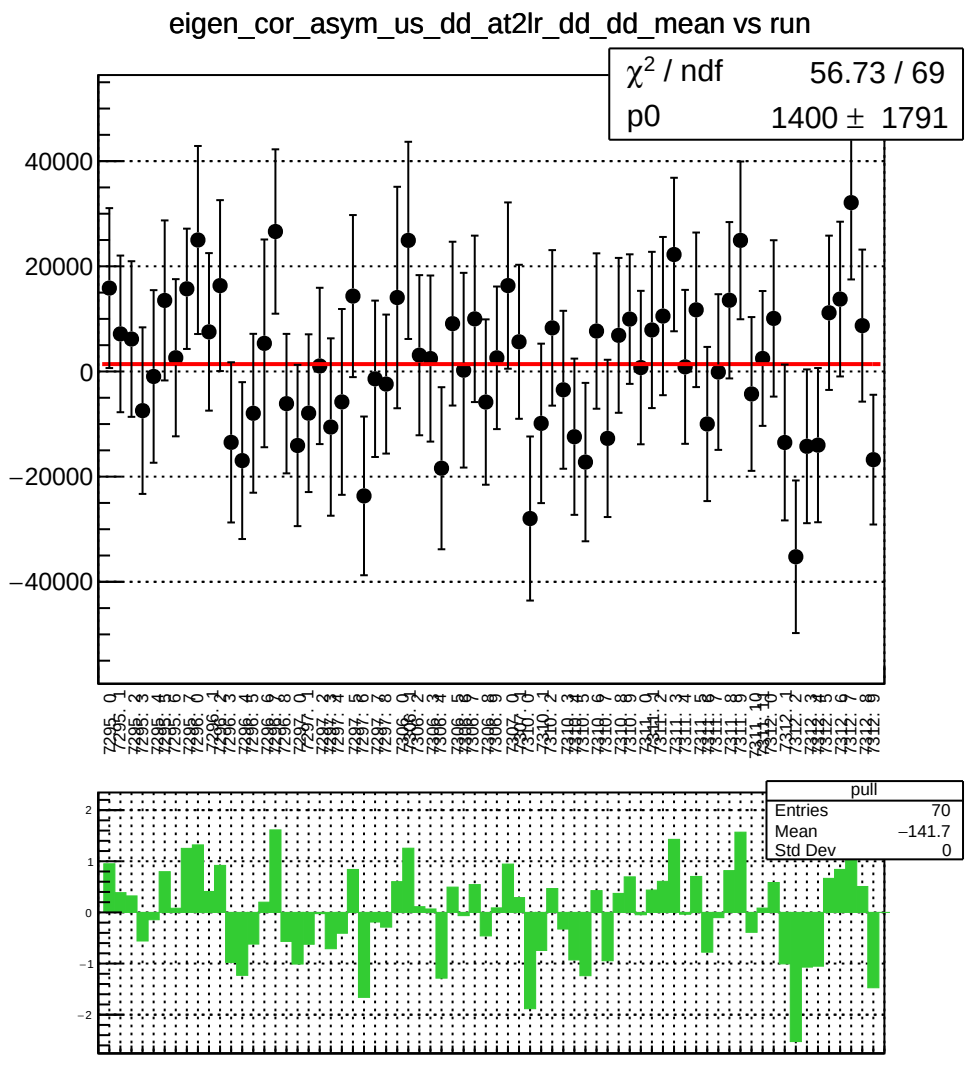

pull1D
Entries 70
Mean 0.006278
Std Dev 0.9002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

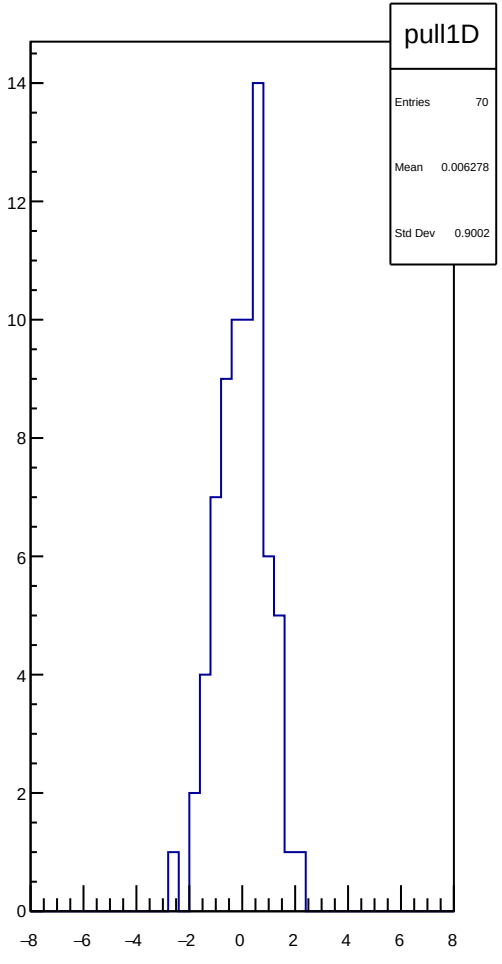

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 5724 / 69
p0 1451 ± 1.266
2000
1900
1800
1700
1600
1500
1400
1300

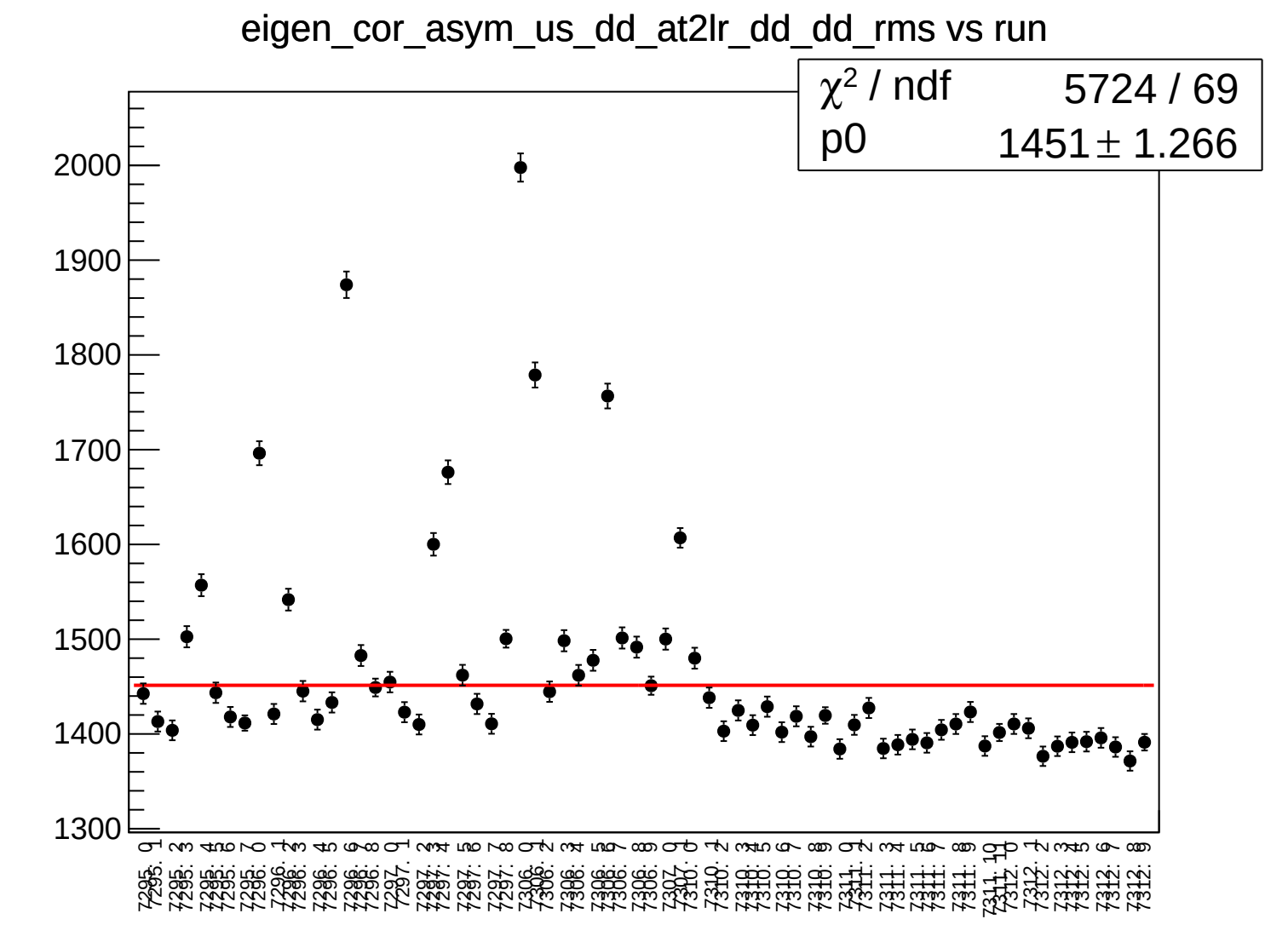

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 58.45 / 69
p0 −49.37 ± 485.2
pull
Entries 70
Mean −0.8177
Std Dev 46.06

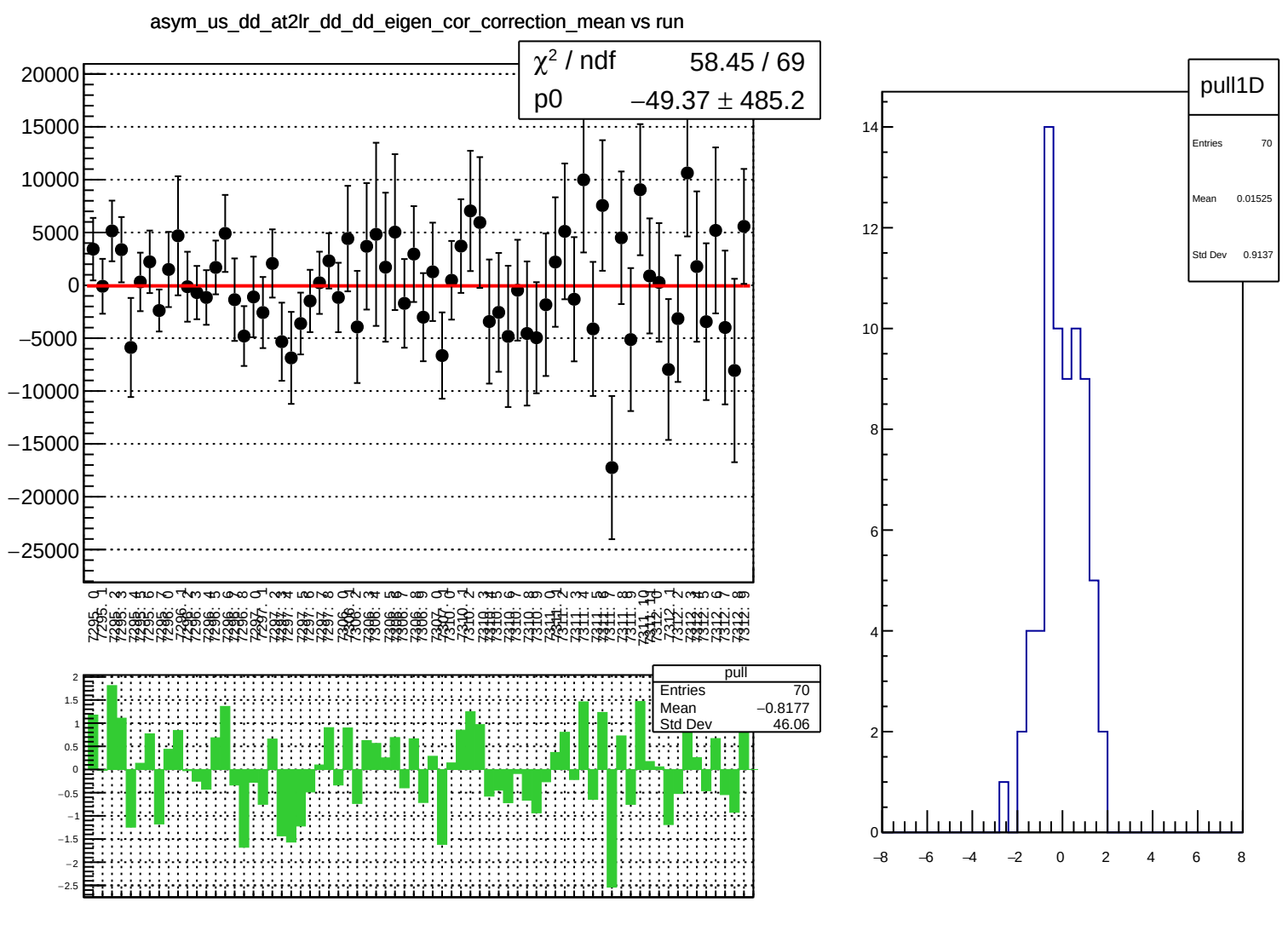

pull1D
Entries 70
Mean 0.01525
Std Dev 0.9137

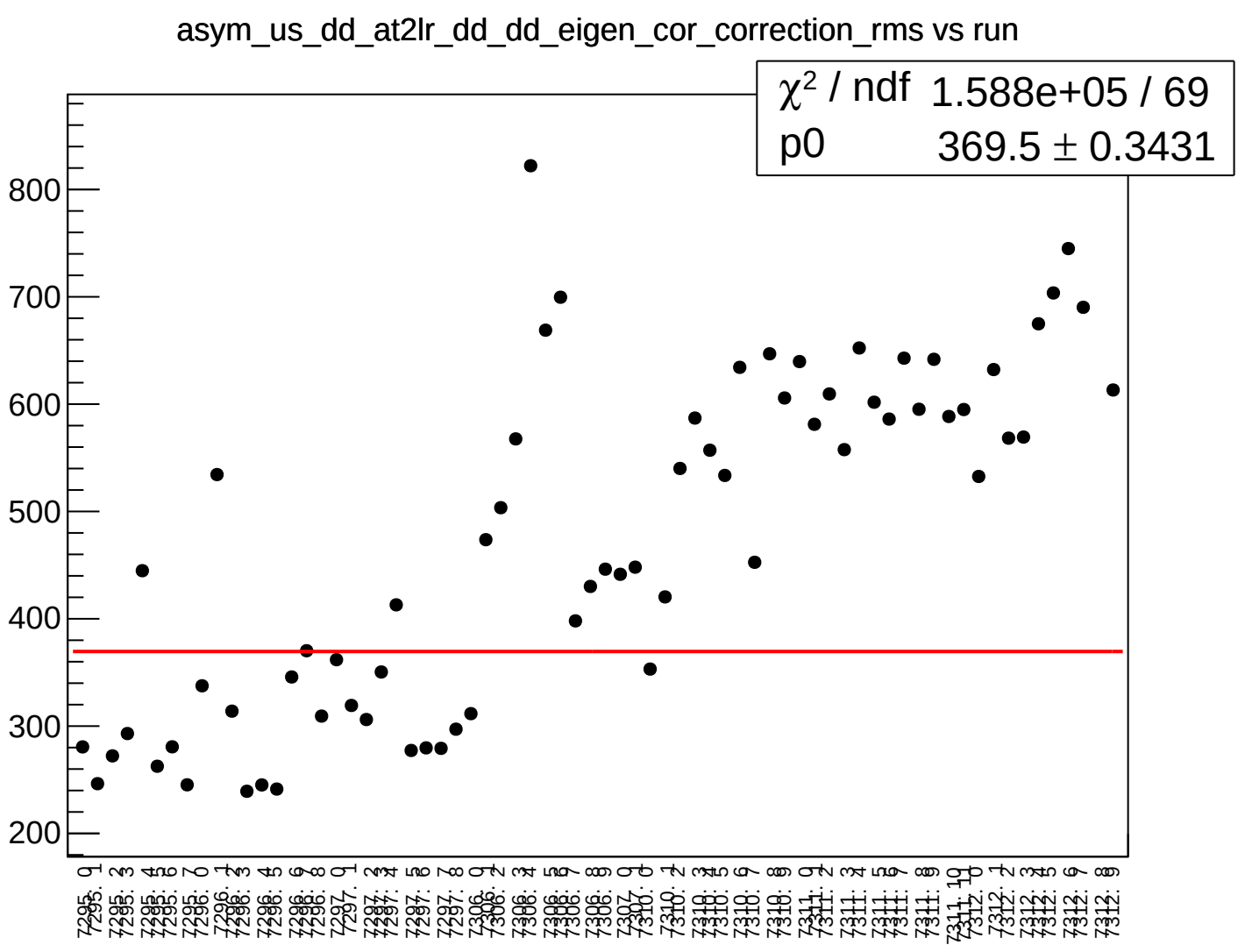

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.588e+05 / 69
p0 369.5 ± 0.3431
800
700
600
500
400
300
200

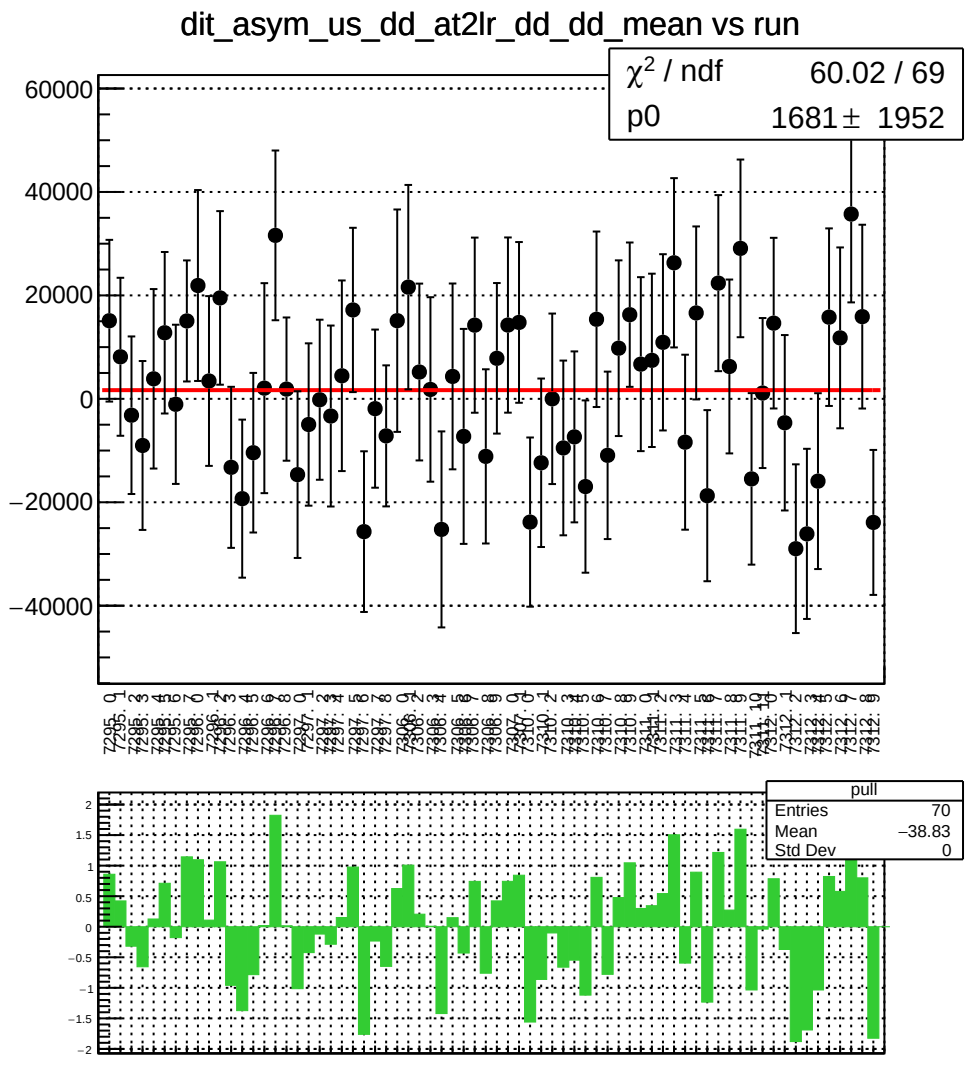

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 56.73 / 69
p0 1400 ± 1791
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −141.7
Std Dev 0
2
1
0
−1
−2

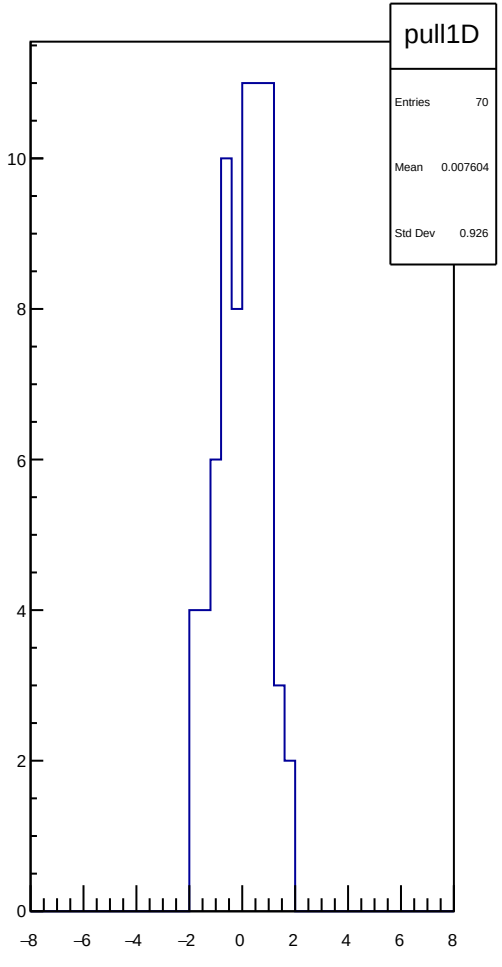

pull1D
Entries 70
Mean 0.006278
Std Dev 0.9002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

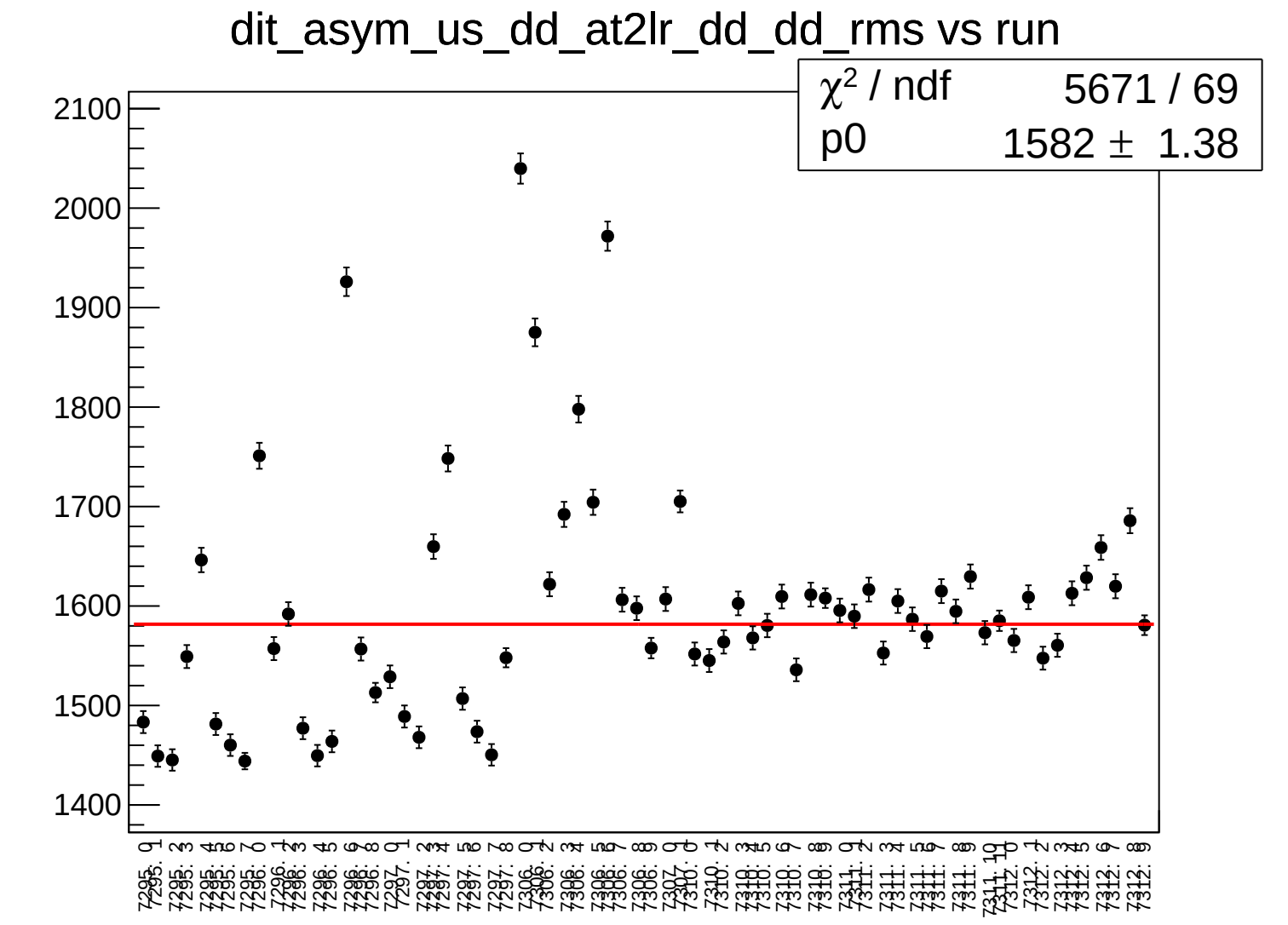

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 5724 / 69
p0 1451 ± 1.266
2000
1900
1800
1700
1600
1500
1400
1300

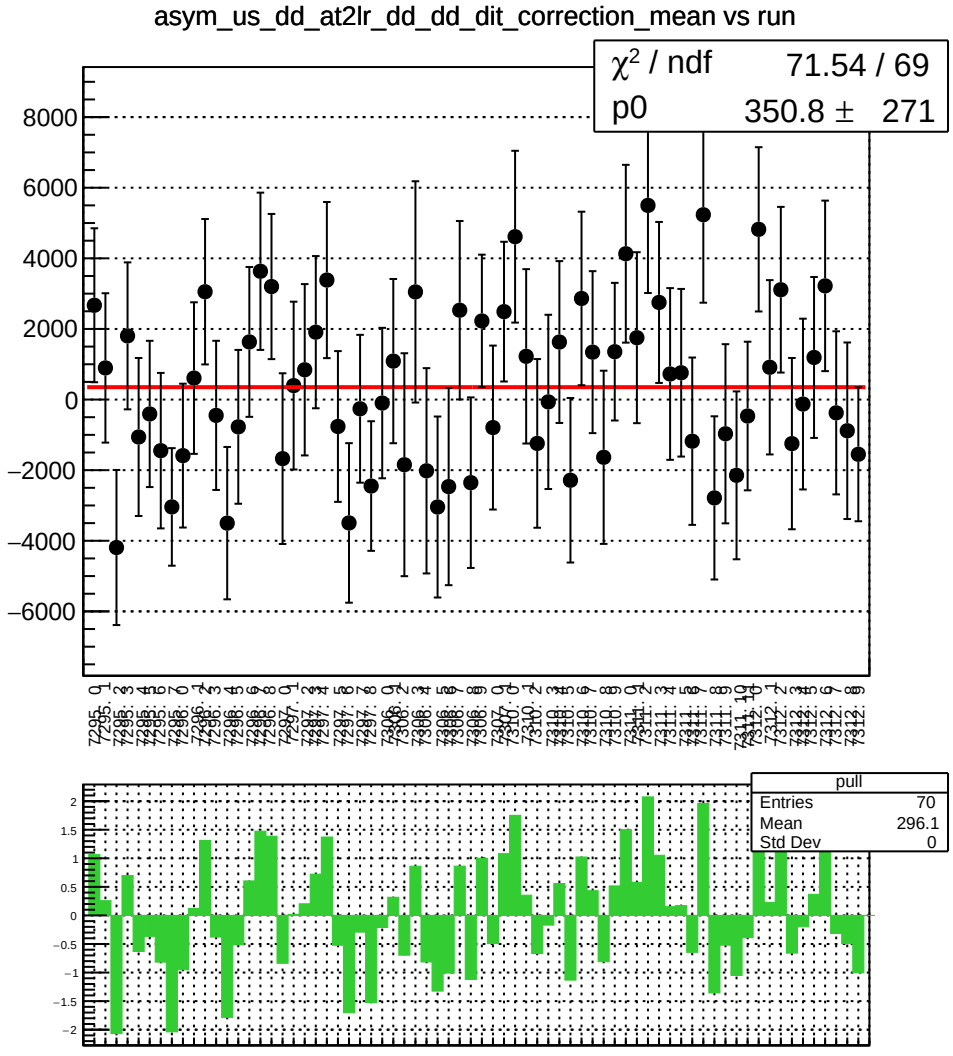

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.45 / 69
p0 −49.37 ± 485.2
pull
Entries 70
Mean −0.8177
Std Dev 46.06
pull1D
Entries 70
Mean 0.01525
Std Dev 0.9137

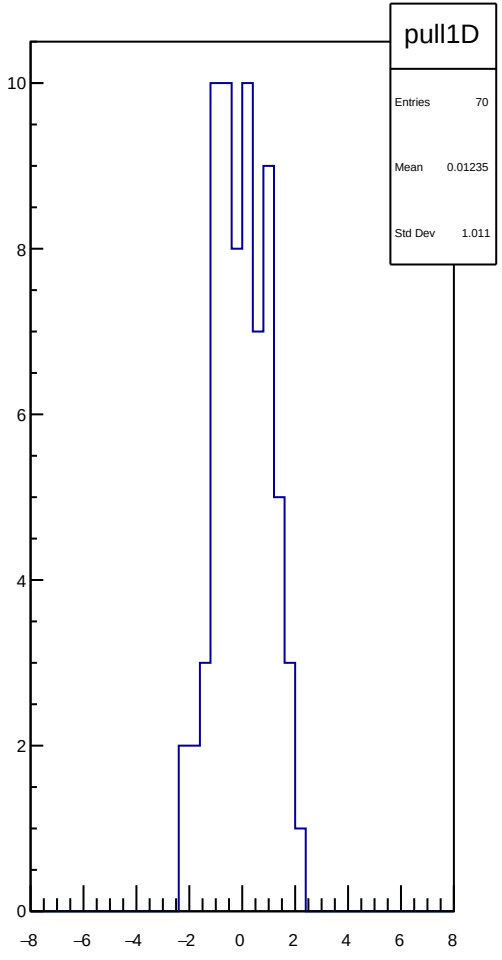

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.588e+05 / 69
p0 369.5 ± 0.3431
800
700
600
500
400
300
200

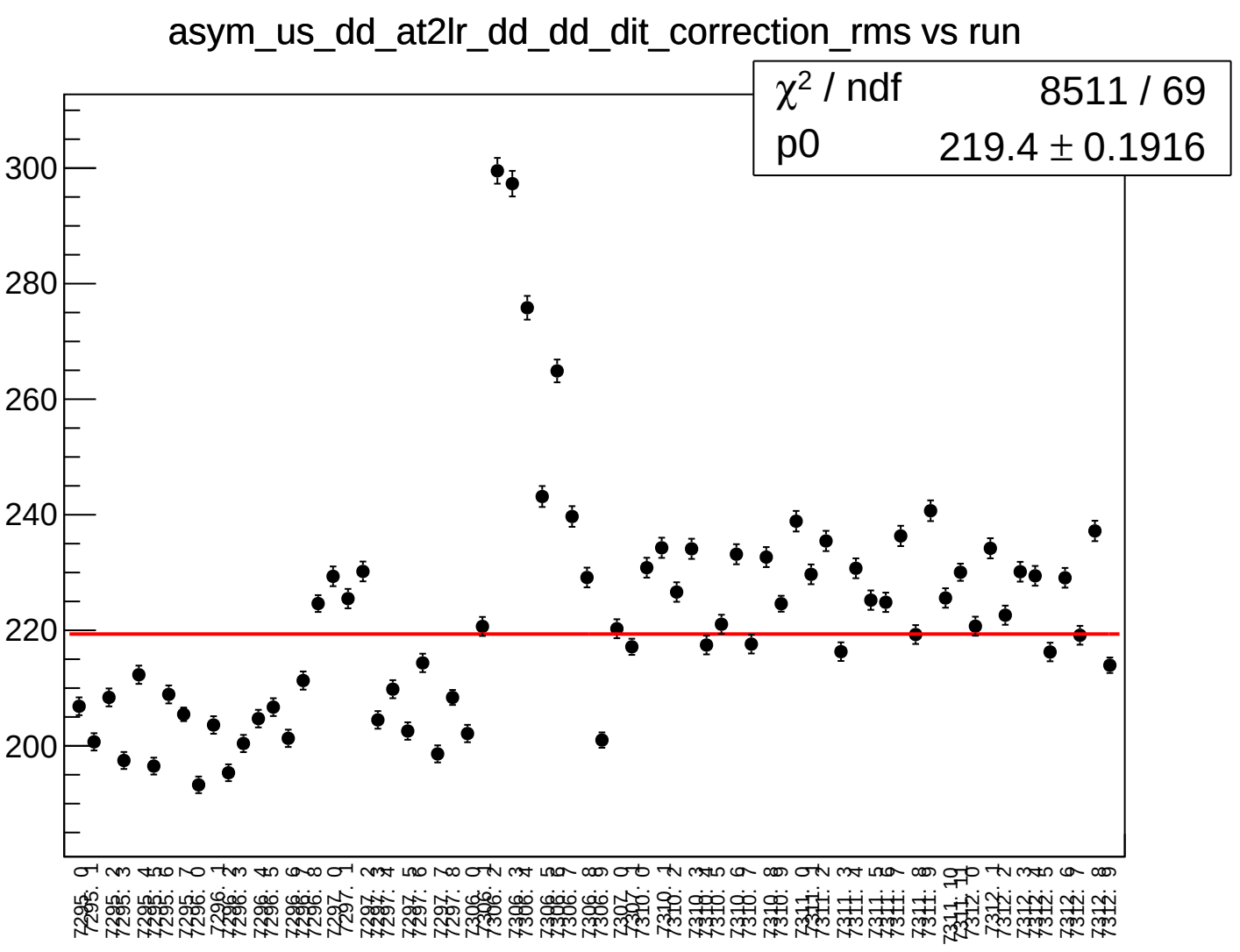

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.02 / 69
p0 1681 ± 1952
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −38.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

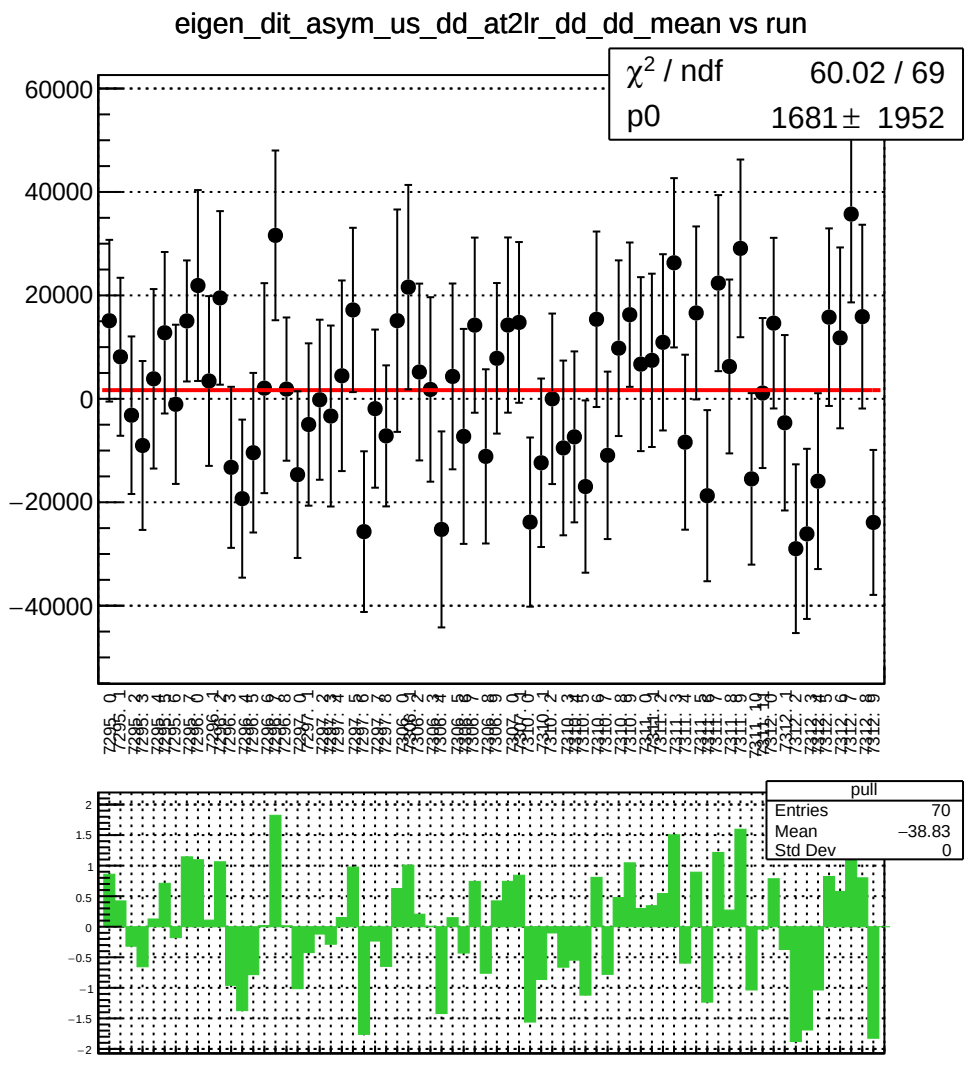

pull1D
Entries 70
Mean 0.007604
Std Dev 0.926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

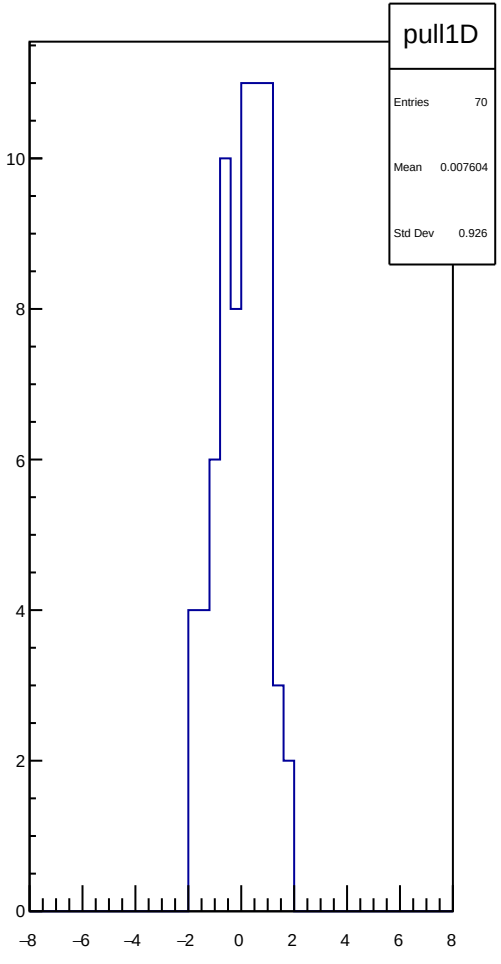

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 5671 / 69
p0 1582 ± 1.38
2100
2000
1900
1800
1700
1600
1500
1400

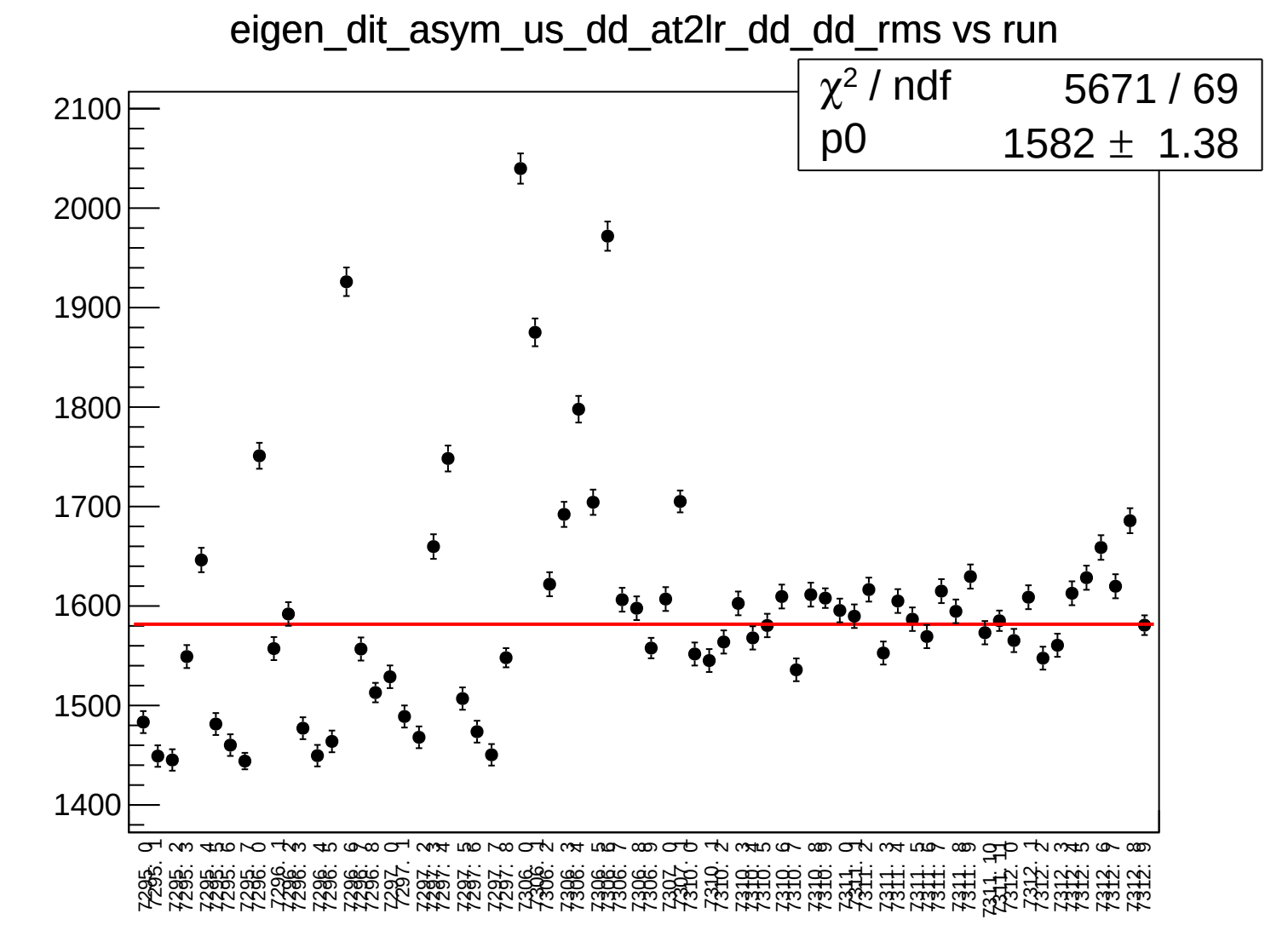

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 71.54 / 69
p0 350.8 ± 271
pull
Entries 70
Mean 296.1
Std Dev 0

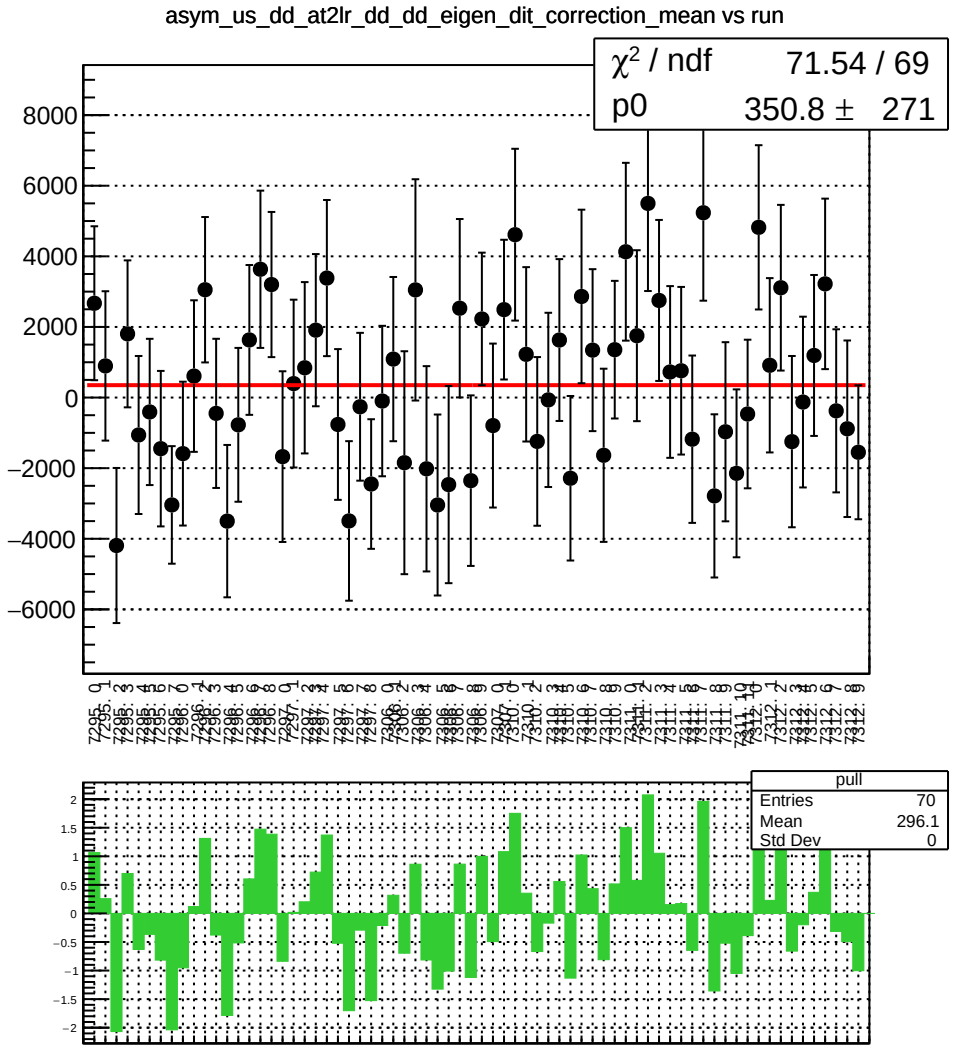

pull1D
Entries 70
Mean 0.01235
Std Dev 1.011

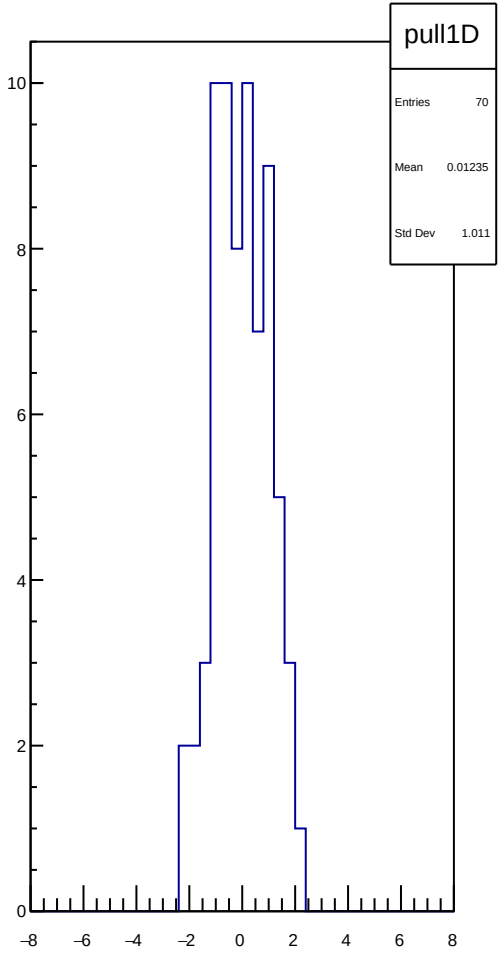

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 8511 / 69
p0 219.4 ± 0.1916
300
280
260
240
220
200

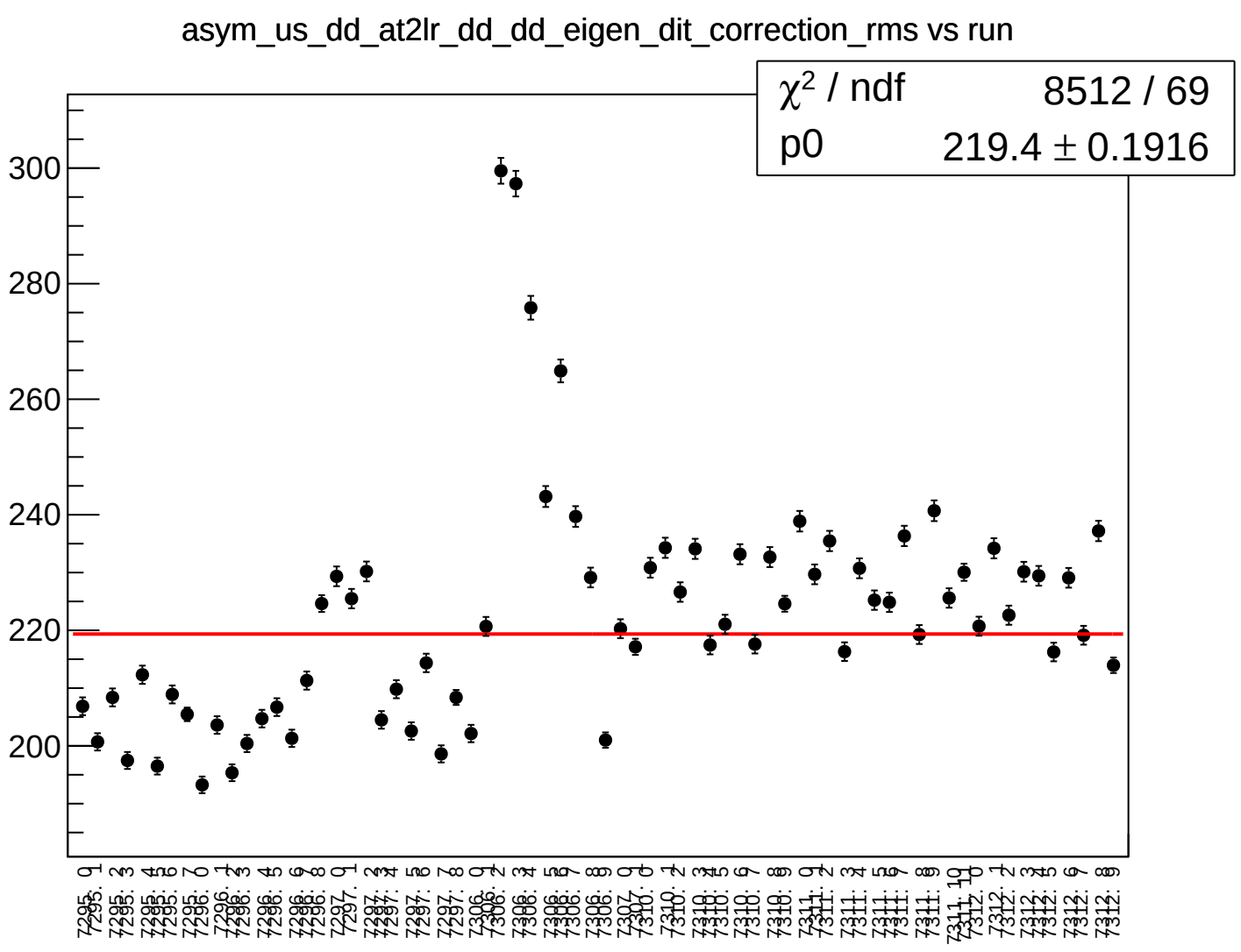

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.02 / 69
p0 1681 ± 1952
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −38.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

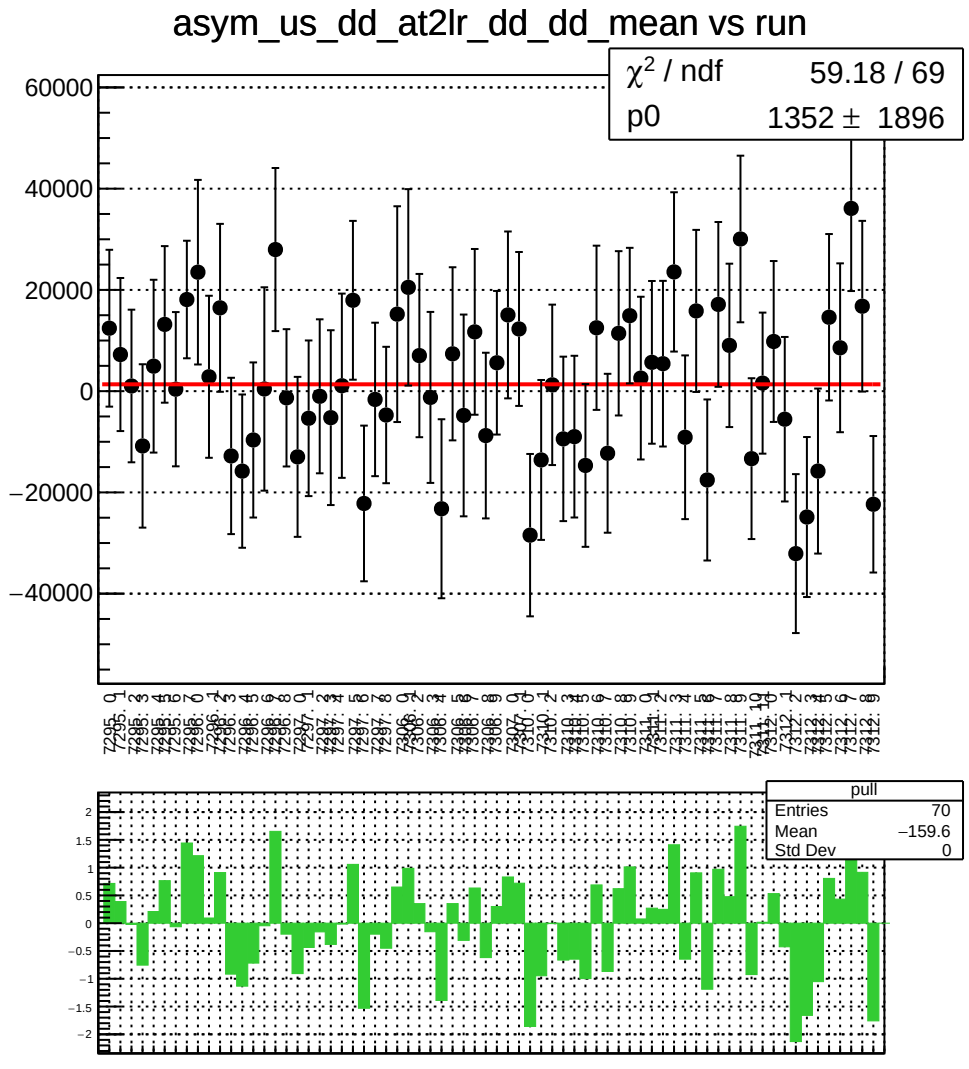

pull1D
Entries 70
Mean 0.007604
Std Dev 0.926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

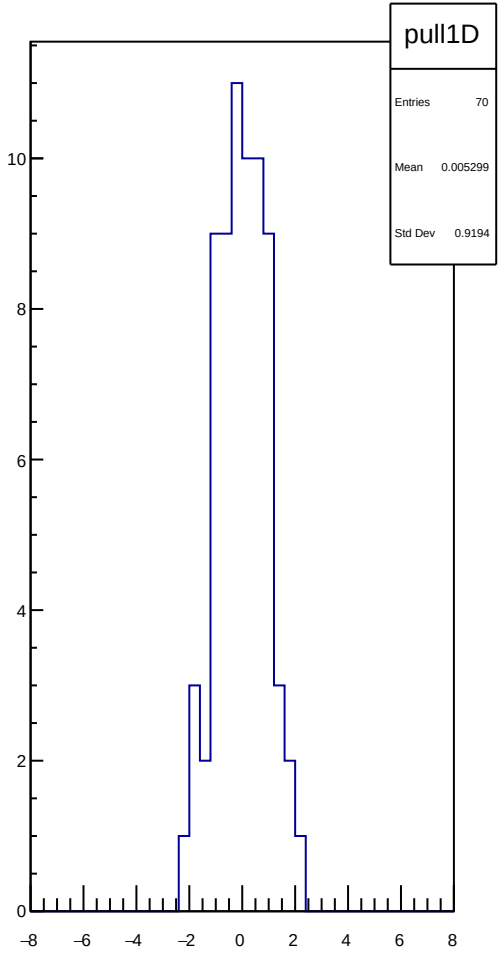

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 5671 / 69
p0 1582 ± 1.38
2100
2000
1900
1800
1700
1600
1500
1400

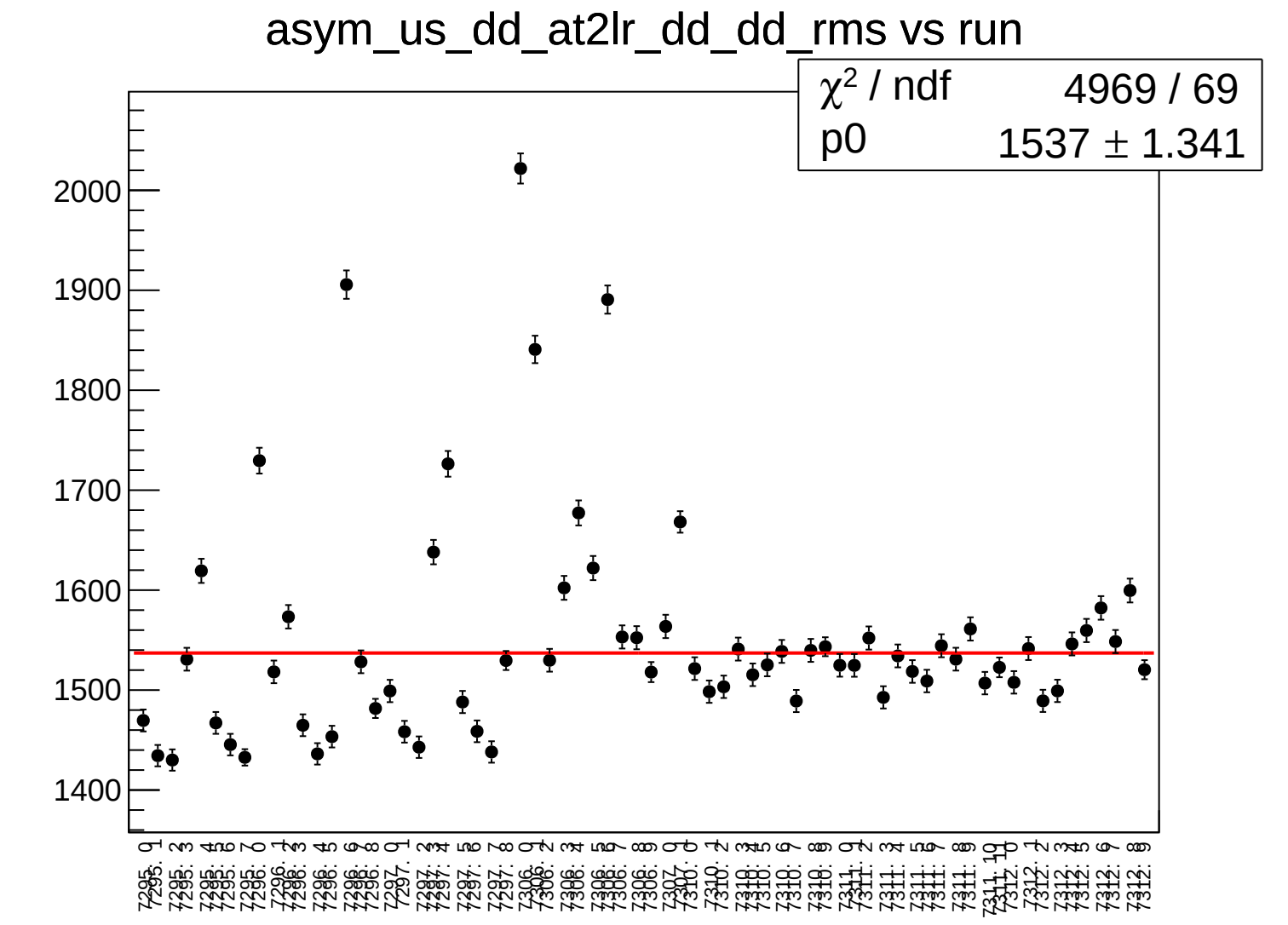

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.54 / 69
p0 350.8 ± 271
pull
Entries 70
Mean 296.1
Std Dev 0

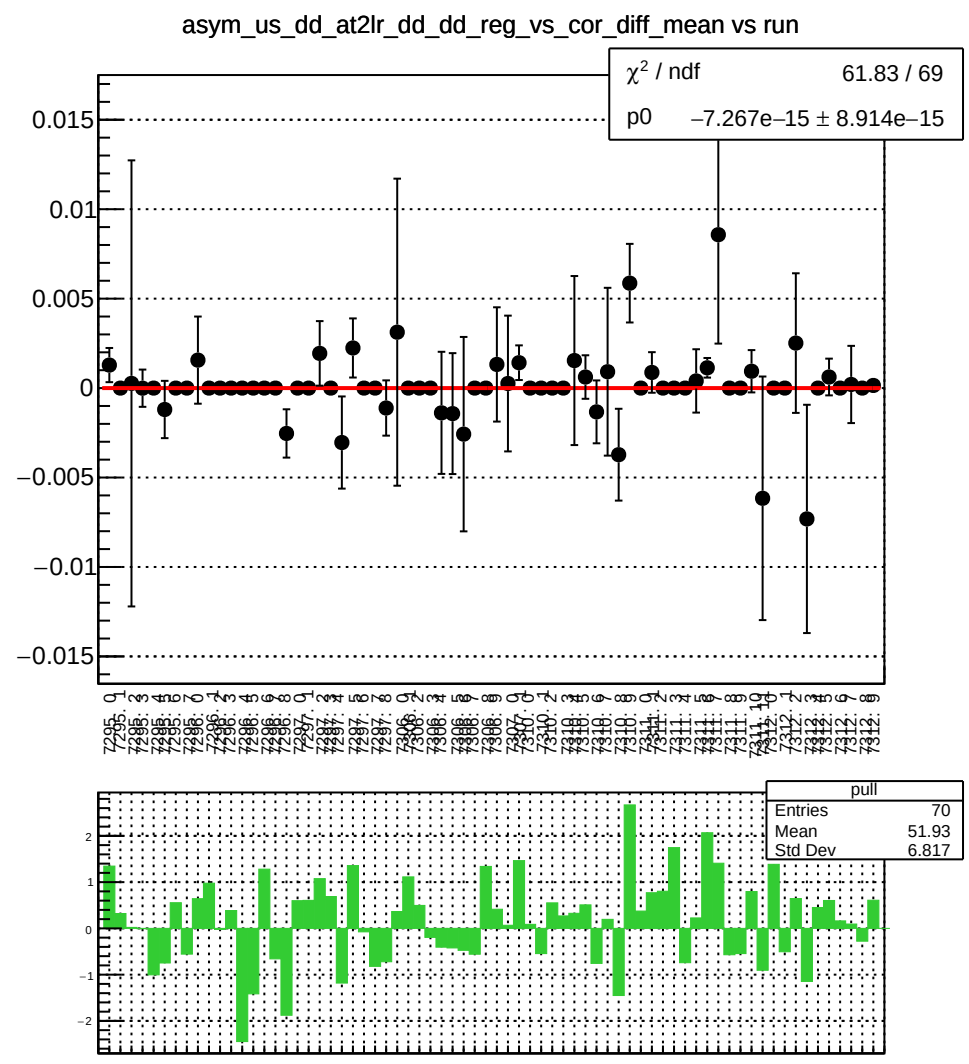

pull1D
Entries 70
Mean 0.01235
Std Dev 1.011

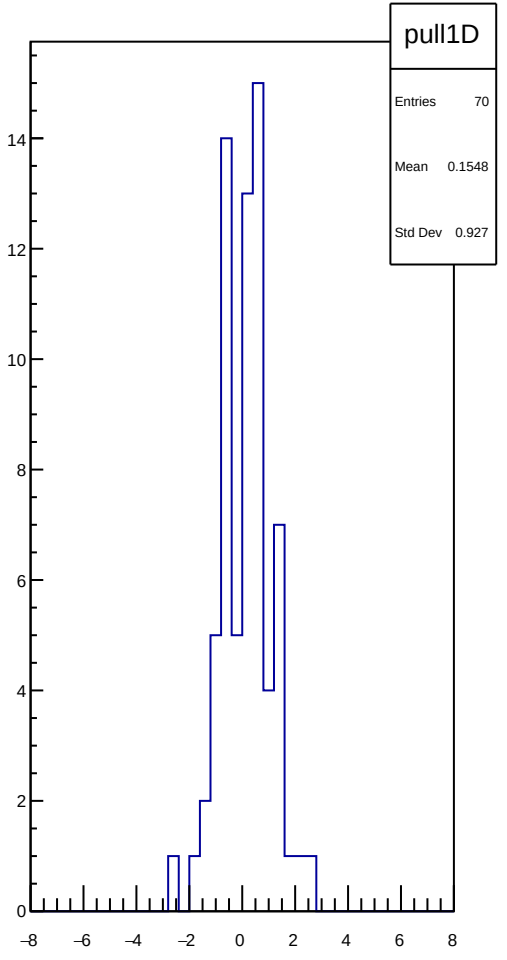

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 8512 / 69
p0 219.4 ± 0.1916
300
280
260
240
220
200

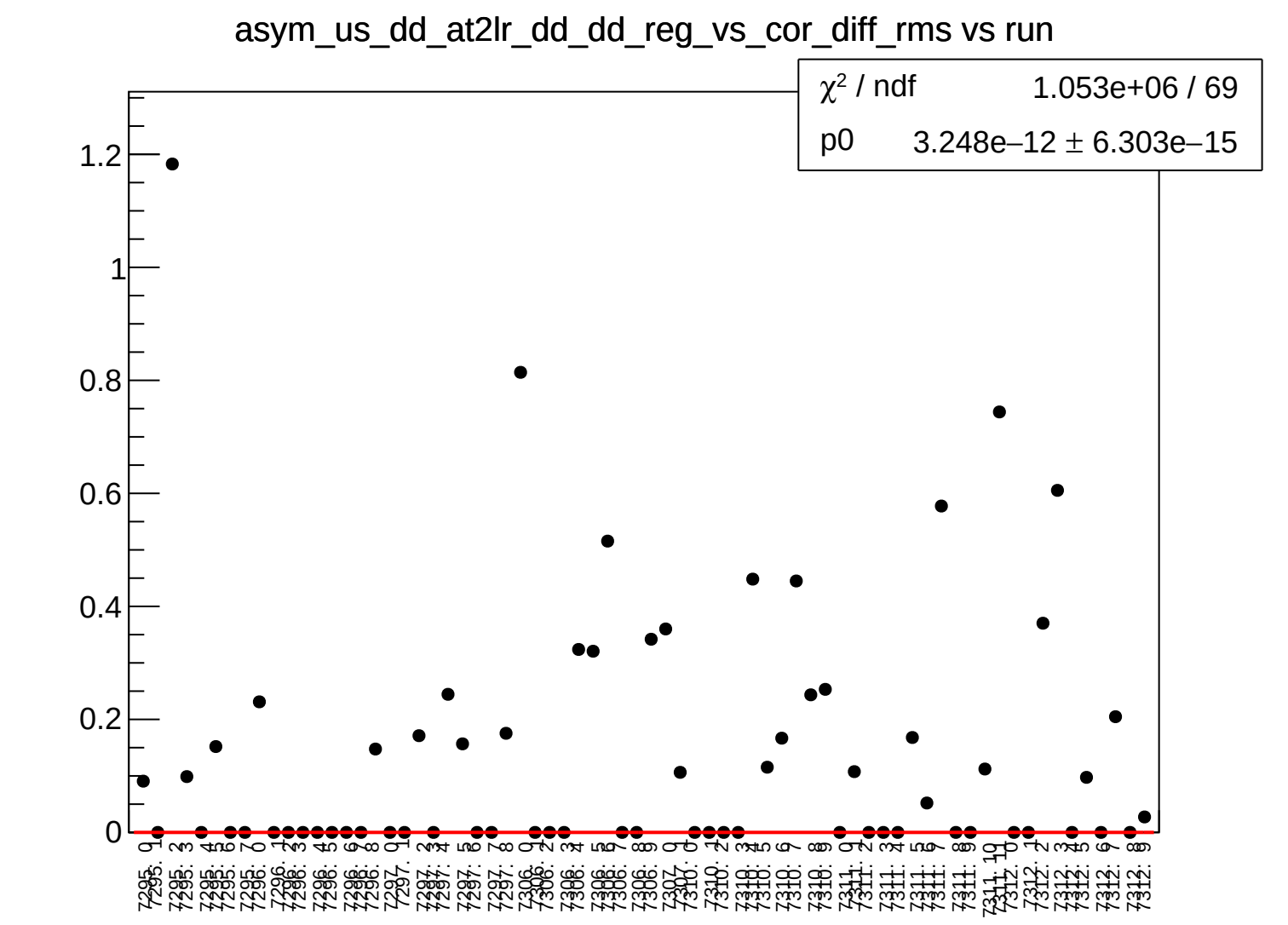

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 59.18 / 69
p0 1352 ± 1896
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean −159.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

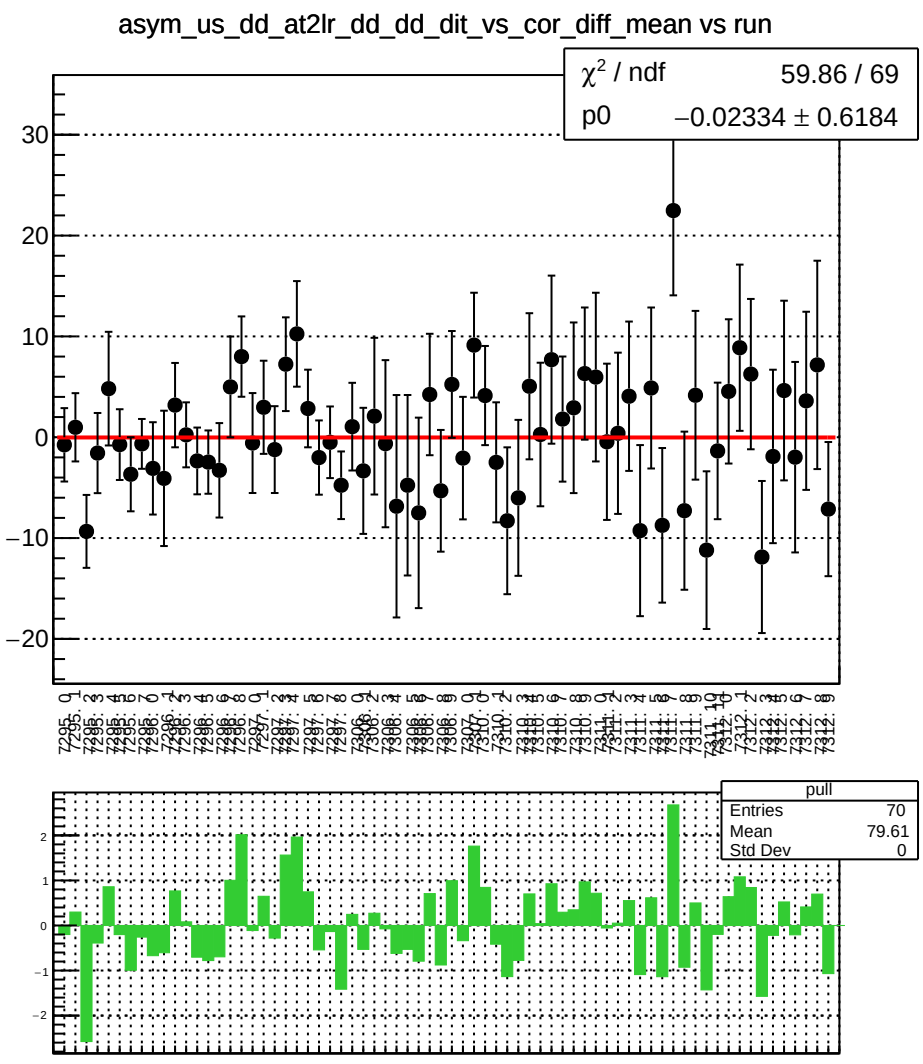

pull1D
Entries 70
Mean 0.005299
Std Dev 0.9194
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

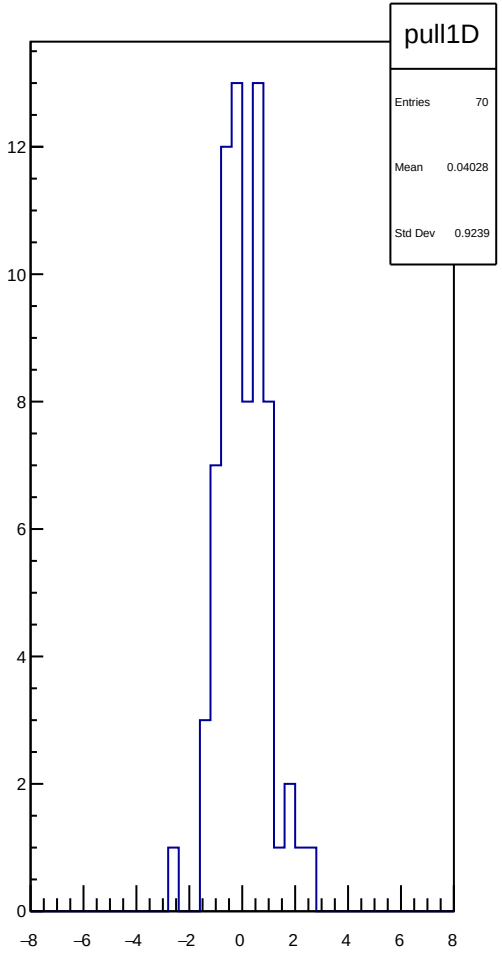

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 4969 / 69
p0 1537 ± 1.341
2000
1900
1800
1700
1600
1500
1400

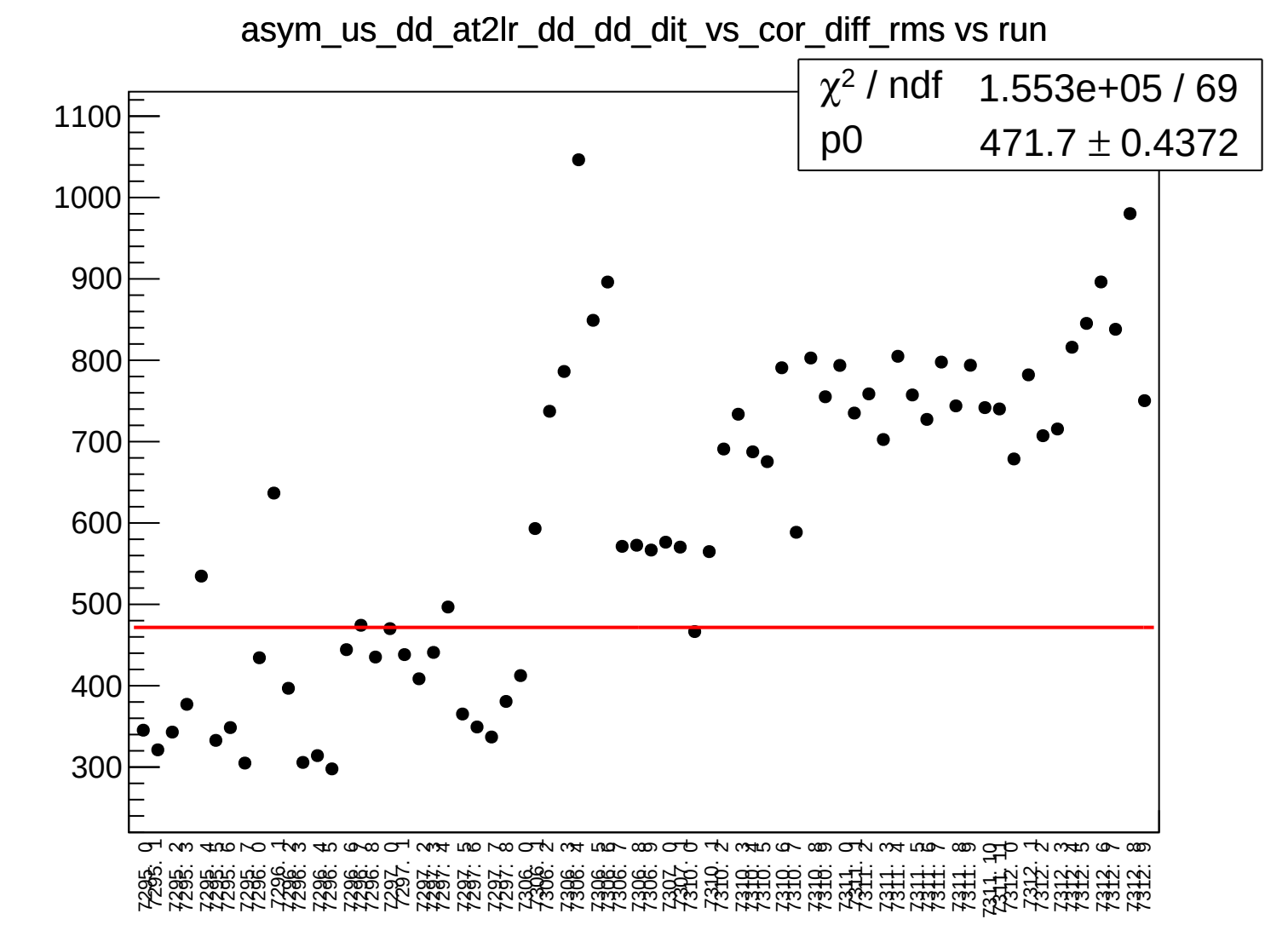

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.83 / 69
p0 −7.267e−15 ± 8.914e−15
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 70
Mean 51.93
Std Dev 6.817
2
1
0
−1
−2

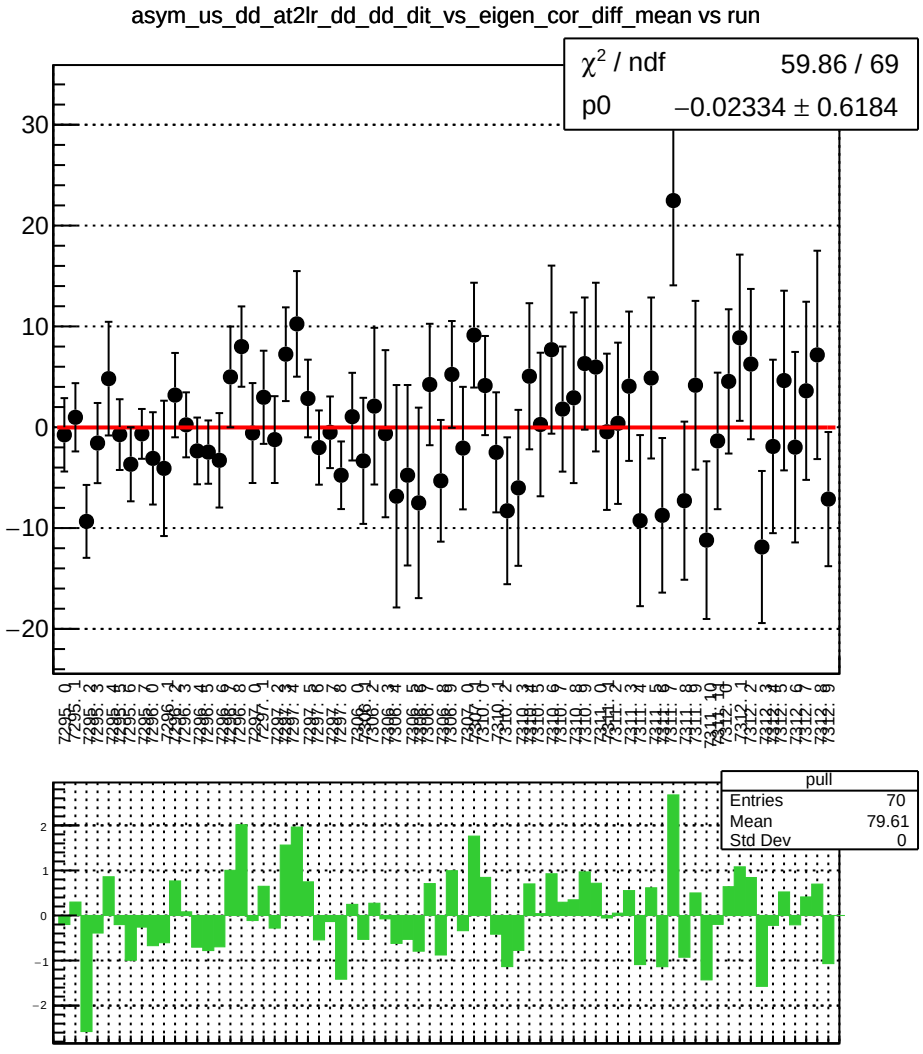

pull1D
Entries 70
Mean 0.1548
Std Dev 0.927
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

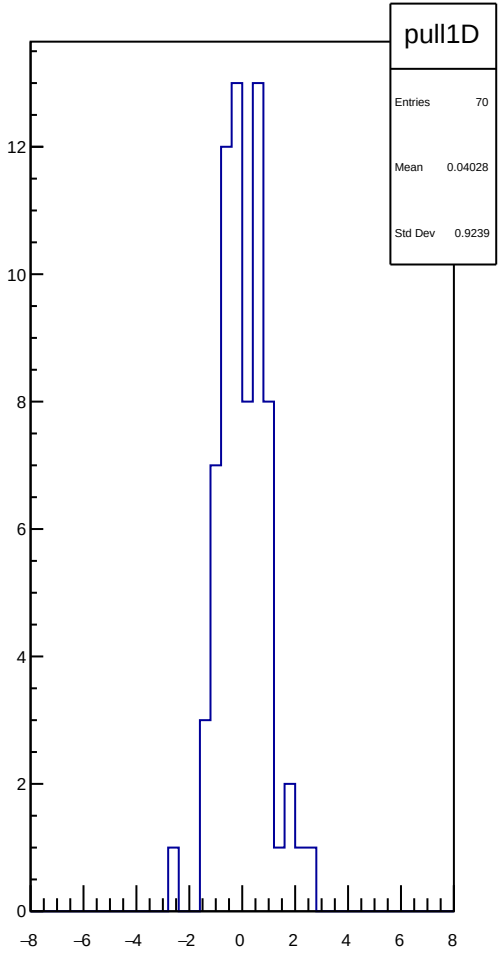

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.053e+06 / 69
p0 3.248e−12 ± 6.303e−15
1.2
1
0.8
0.6
0.4
0.2
0

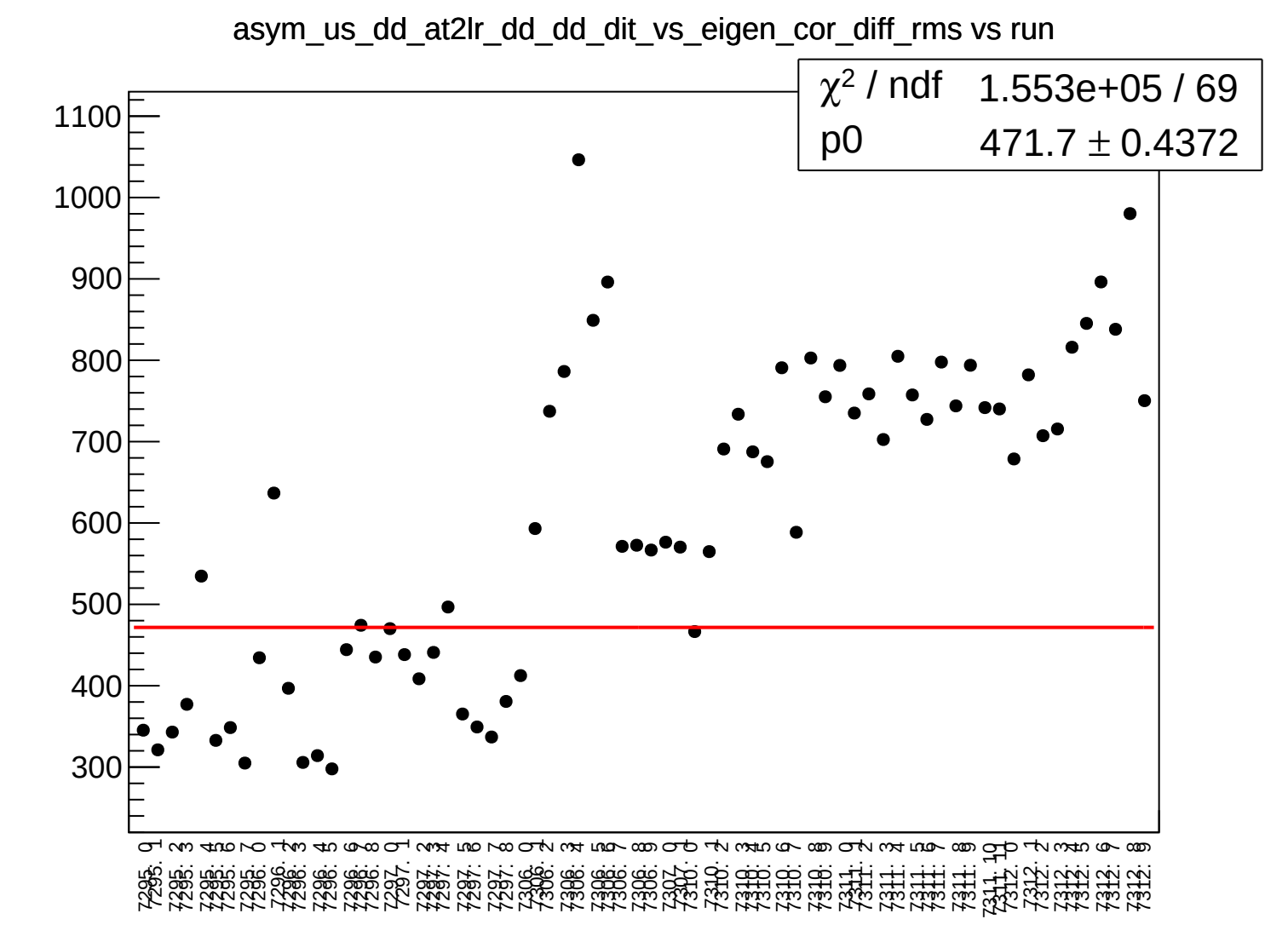

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.86 / 69
p0 −0.02334 ± 0.6184
pull
Entries 70
Mean 79.61
Std Dev 0

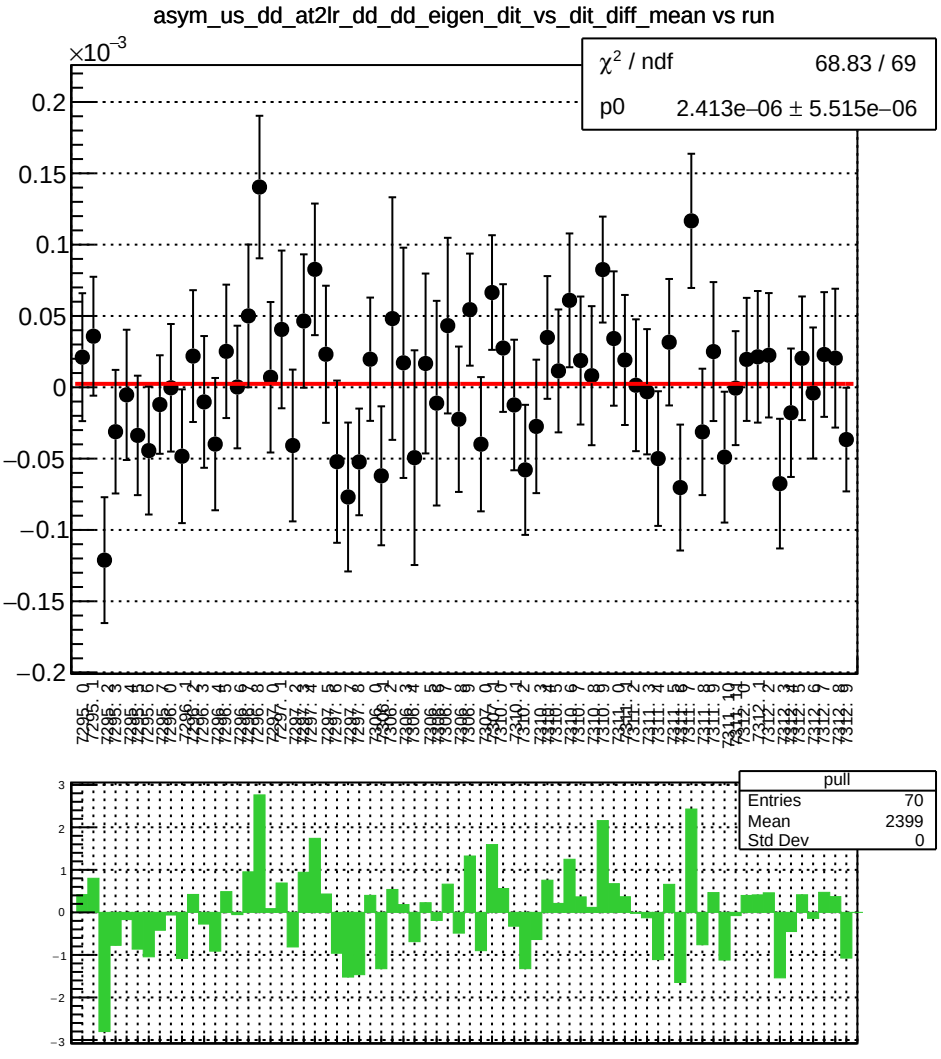

pull1D
Entries 70
Mean 0.04028
Std Dev 0.9239

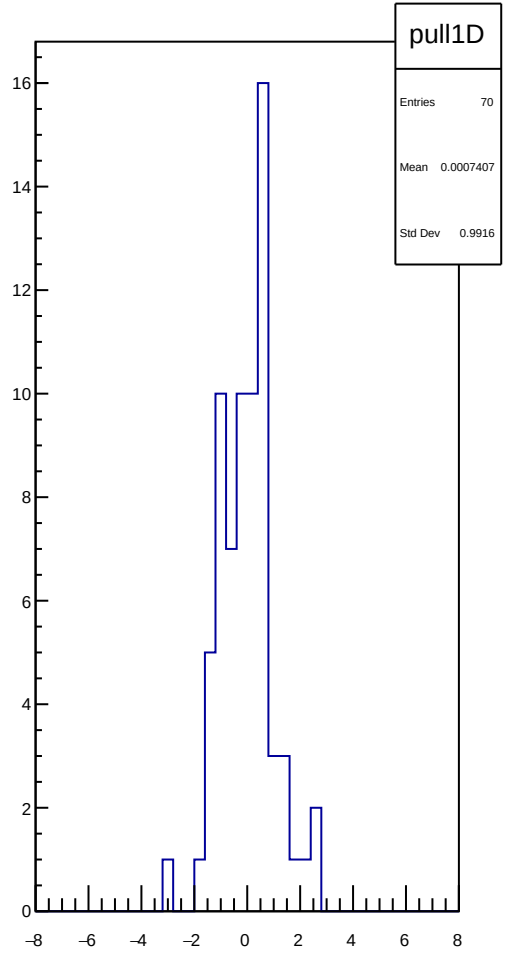

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.553e+05 / 69
p0 471.7 ± 0.4372
1100
1000
900
800
700
600
500
400
300

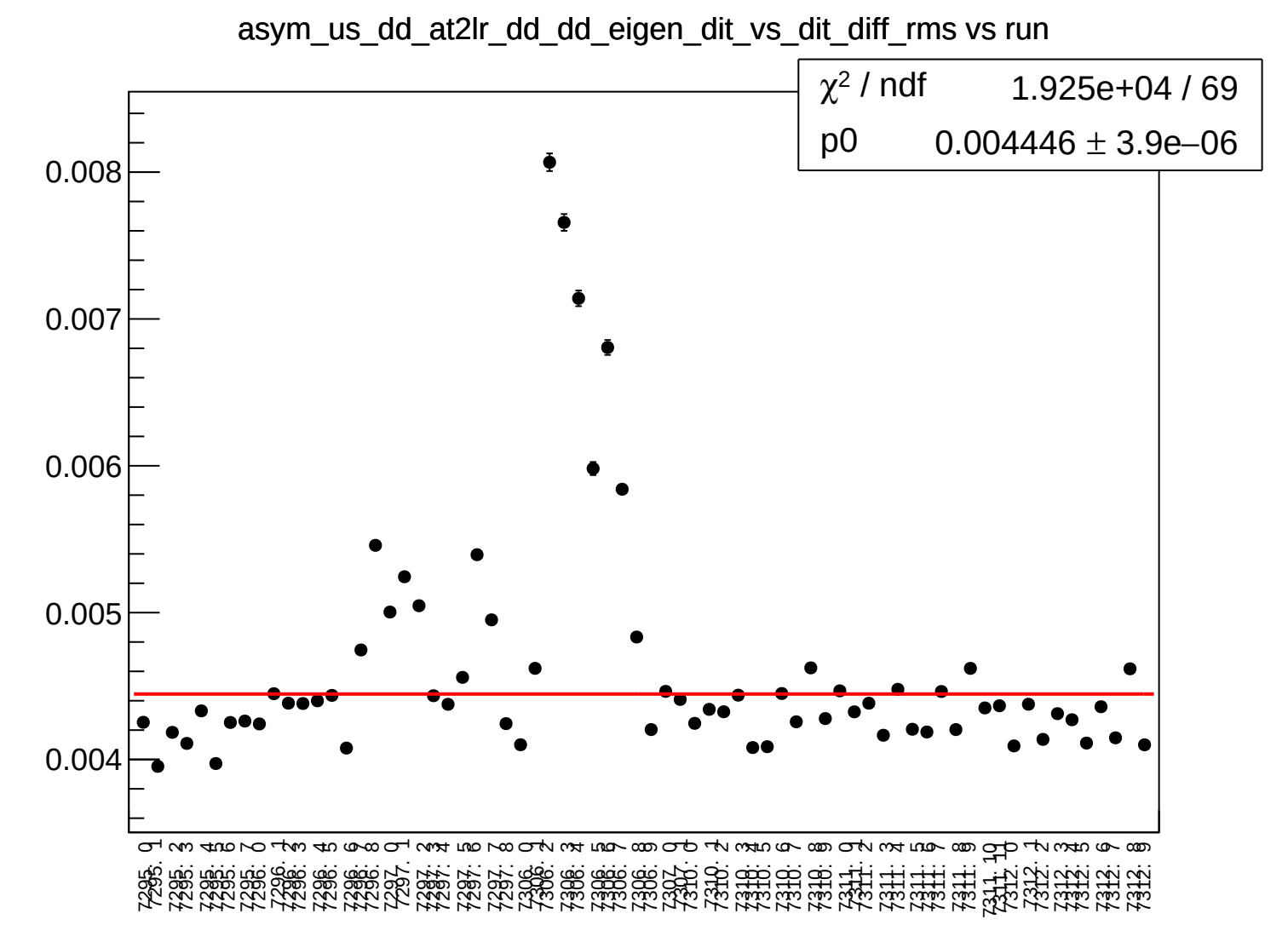

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.86 / 69
p0 −0.02334 ± 0.6184
pull
Entries 70
Mean 79.61
Std Dev 0

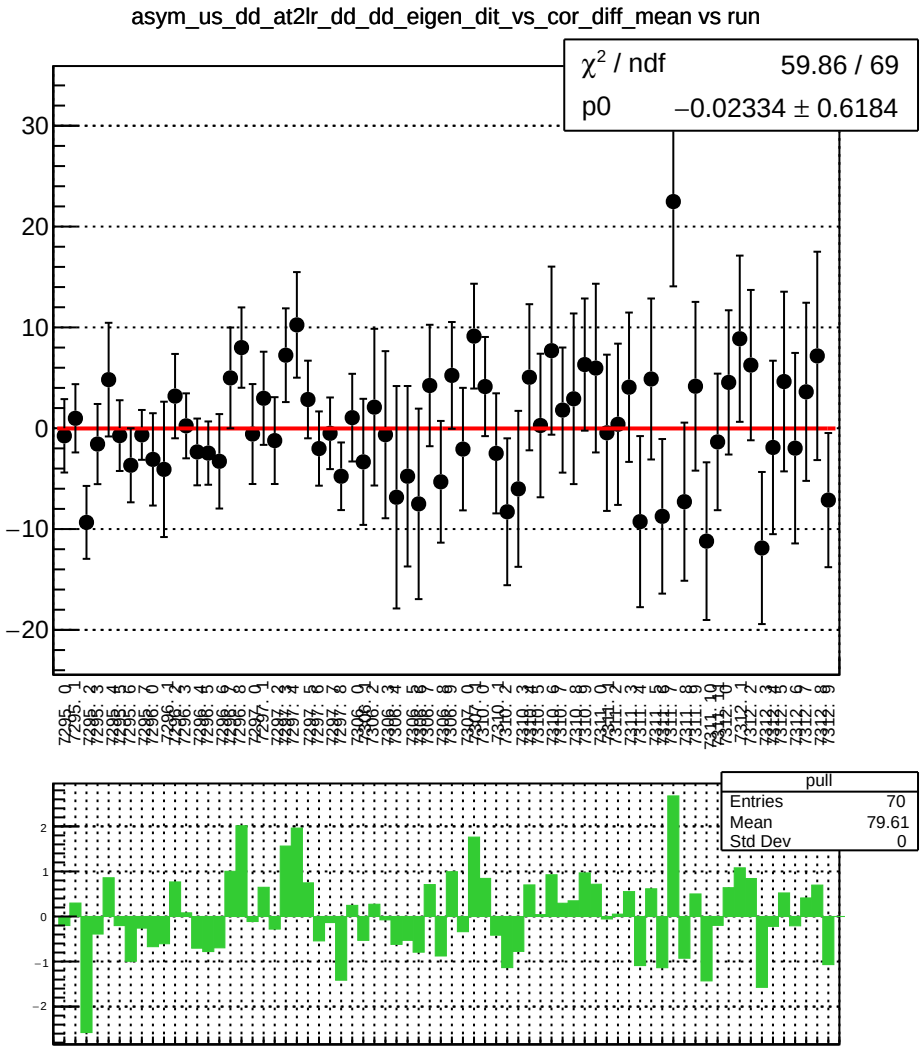

pull1D
Entries 70
Mean 0.04028
Std Dev 0.9239

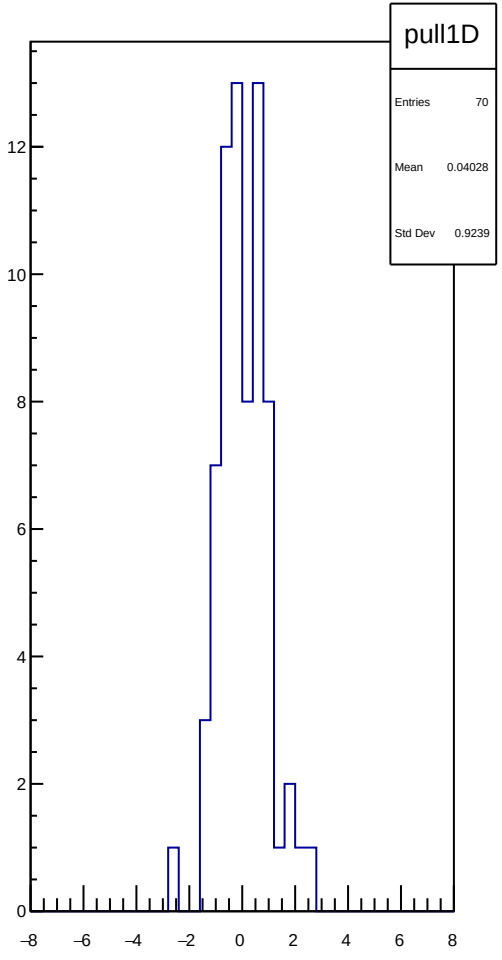

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.553e+05 / 69
p0 471.7 ± 0.4372
1100
1000
900
800
700
600
500
400
300

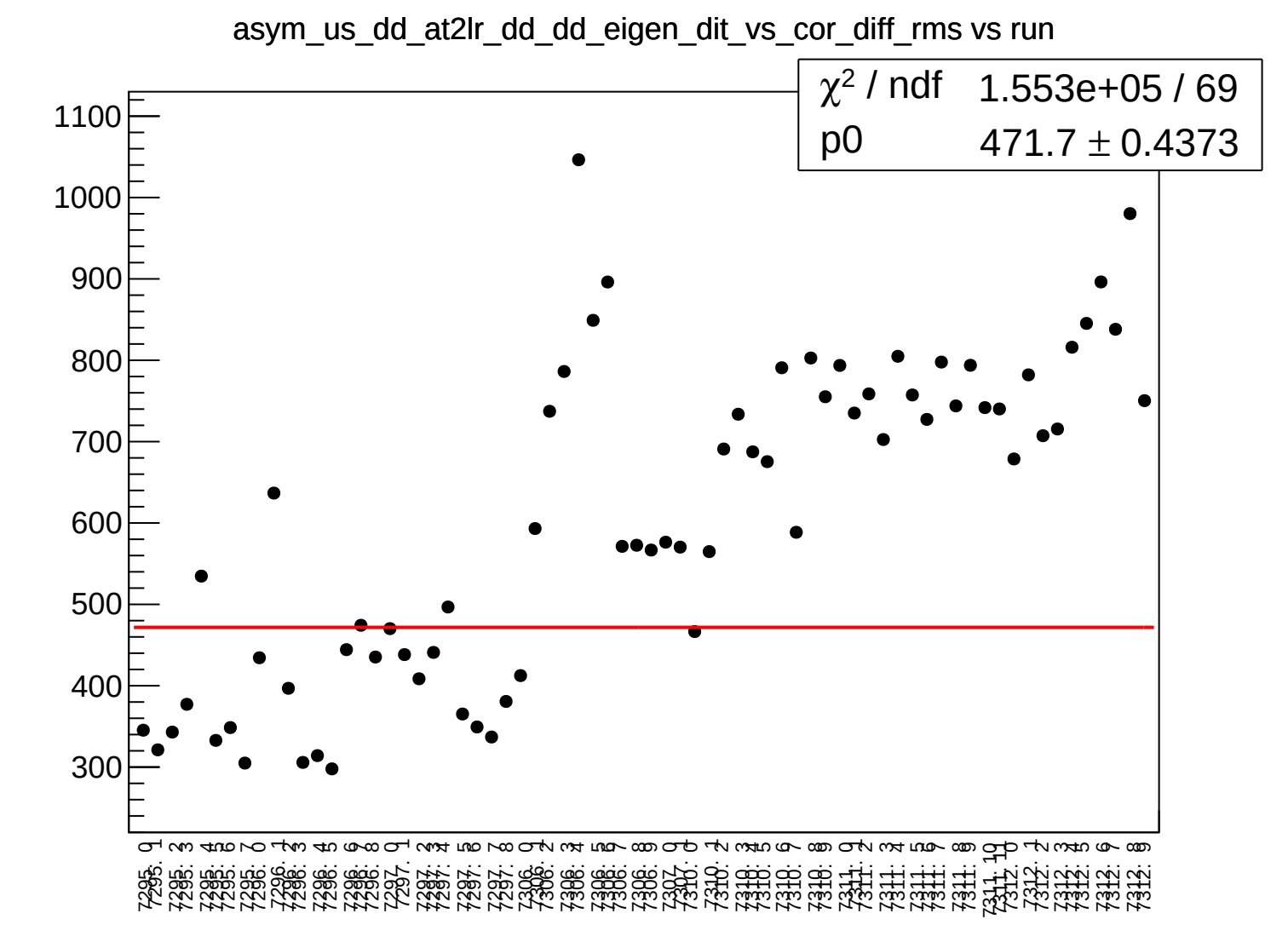

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.83 / 69
p0 2.413e−06 ± 5.515e−06
pull
Entries 70
Mean 2399
Std Dev 0

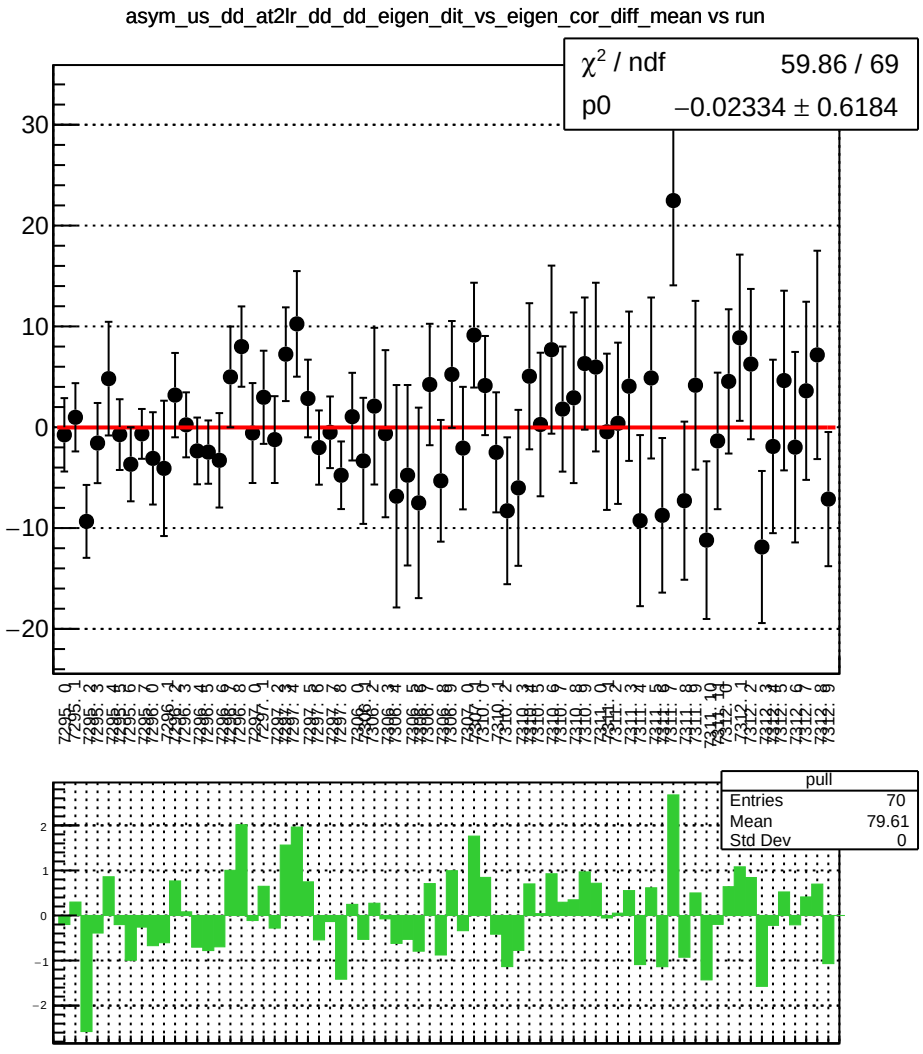

pull1D
Entries 70
Mean 0.0007407
Std Dev 0.9916

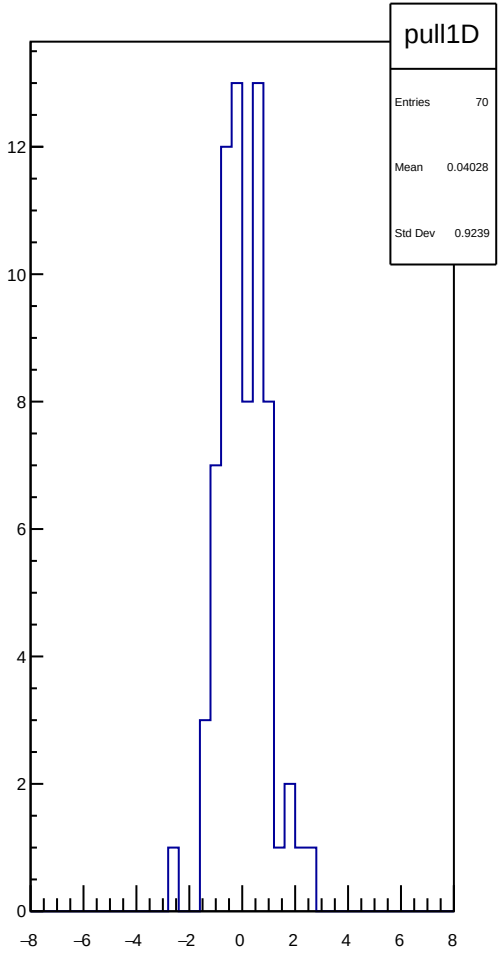

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.925e+04 / 69
p0 0.004446 ± 3.9e−06
0.008
0.007
0.006
0.005
0.004

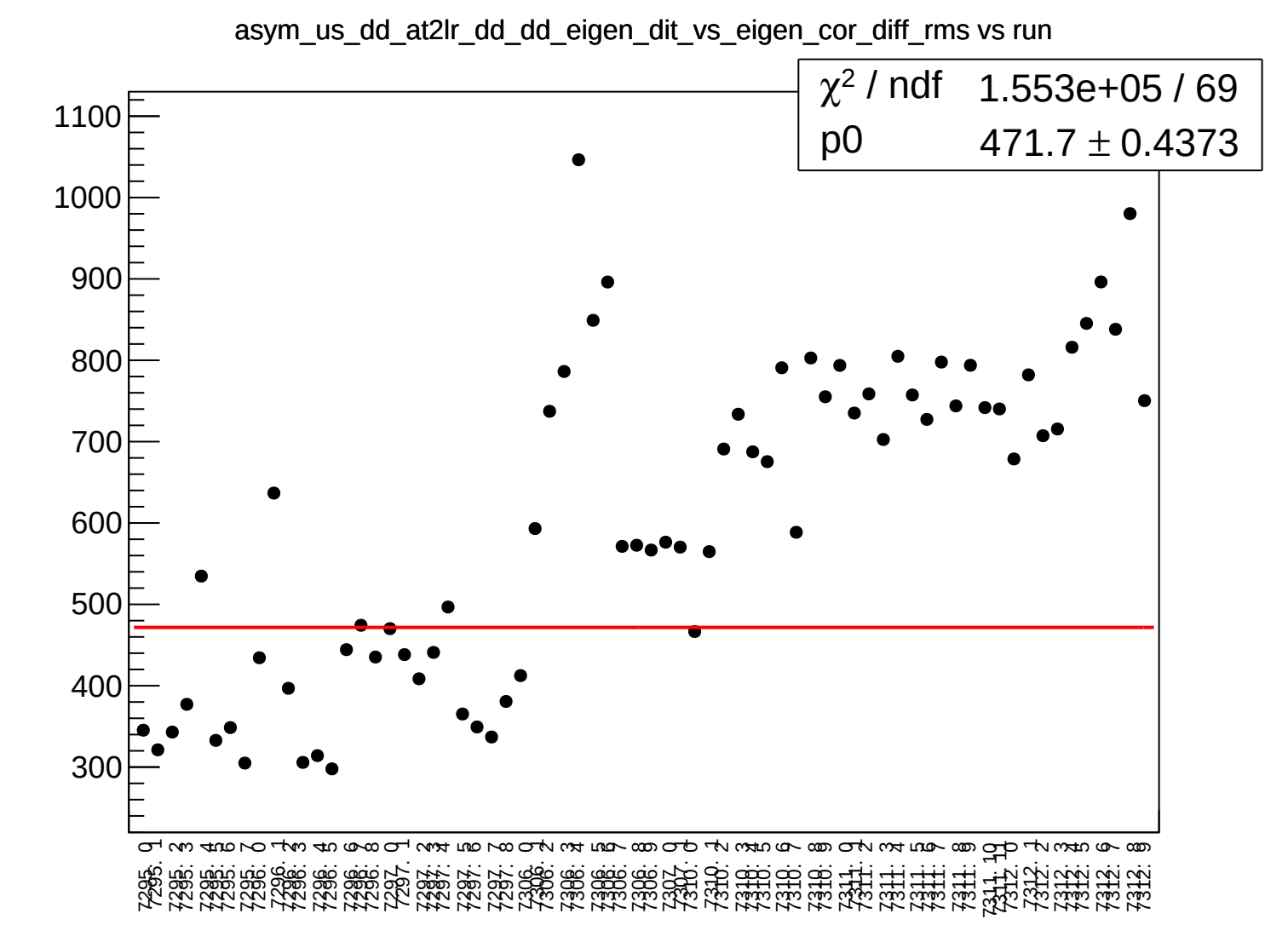

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.86 / 69
p0 −0.02334 ± 0.6184
pull
Entries 70
Mean 79.61
Std Dev 0

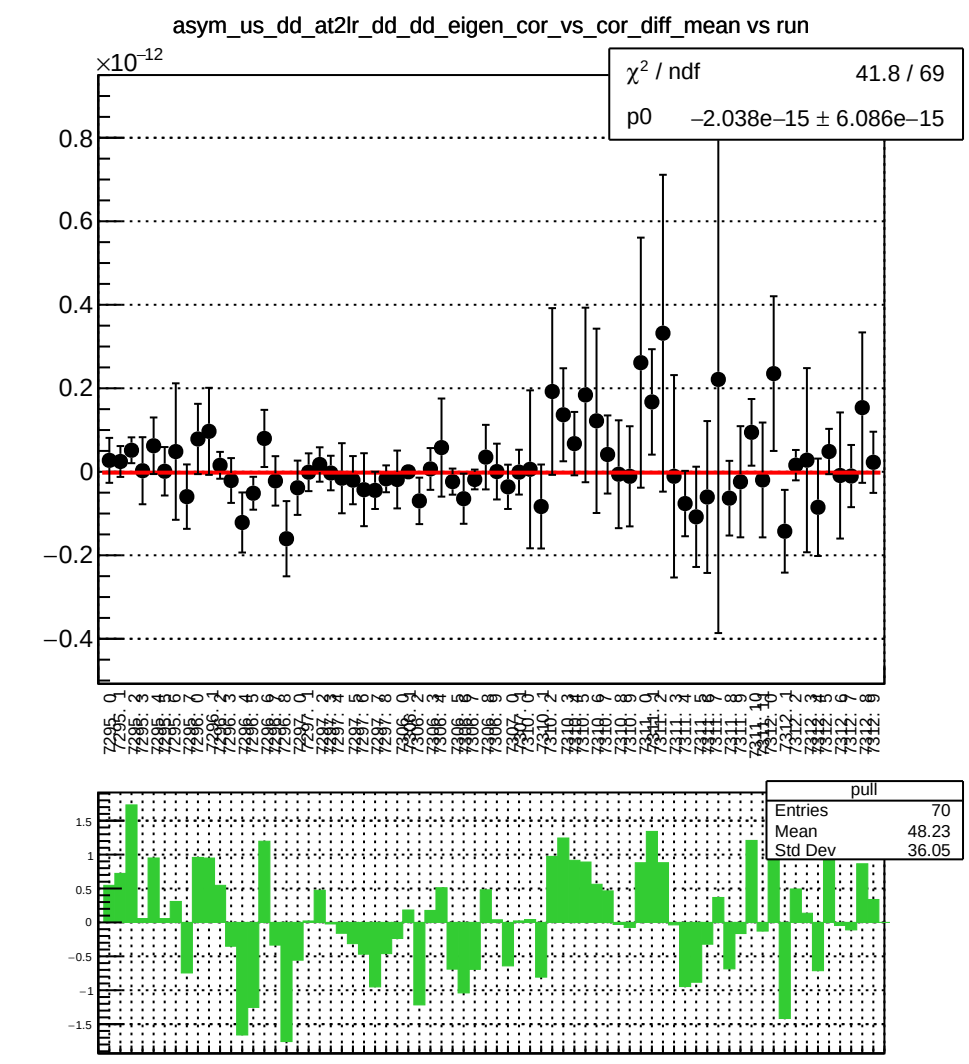

pull1D
Entries 70
Mean 0.04028
Std Dev 0.9239

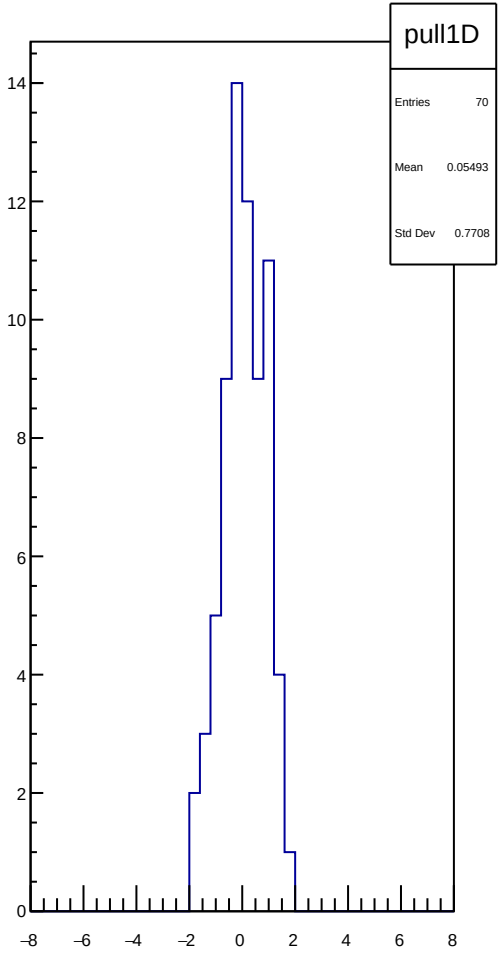

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.553e+05 / 69
p0 471.7 ± 0.4373
1100
1000
900
800
700
600
500
400
300

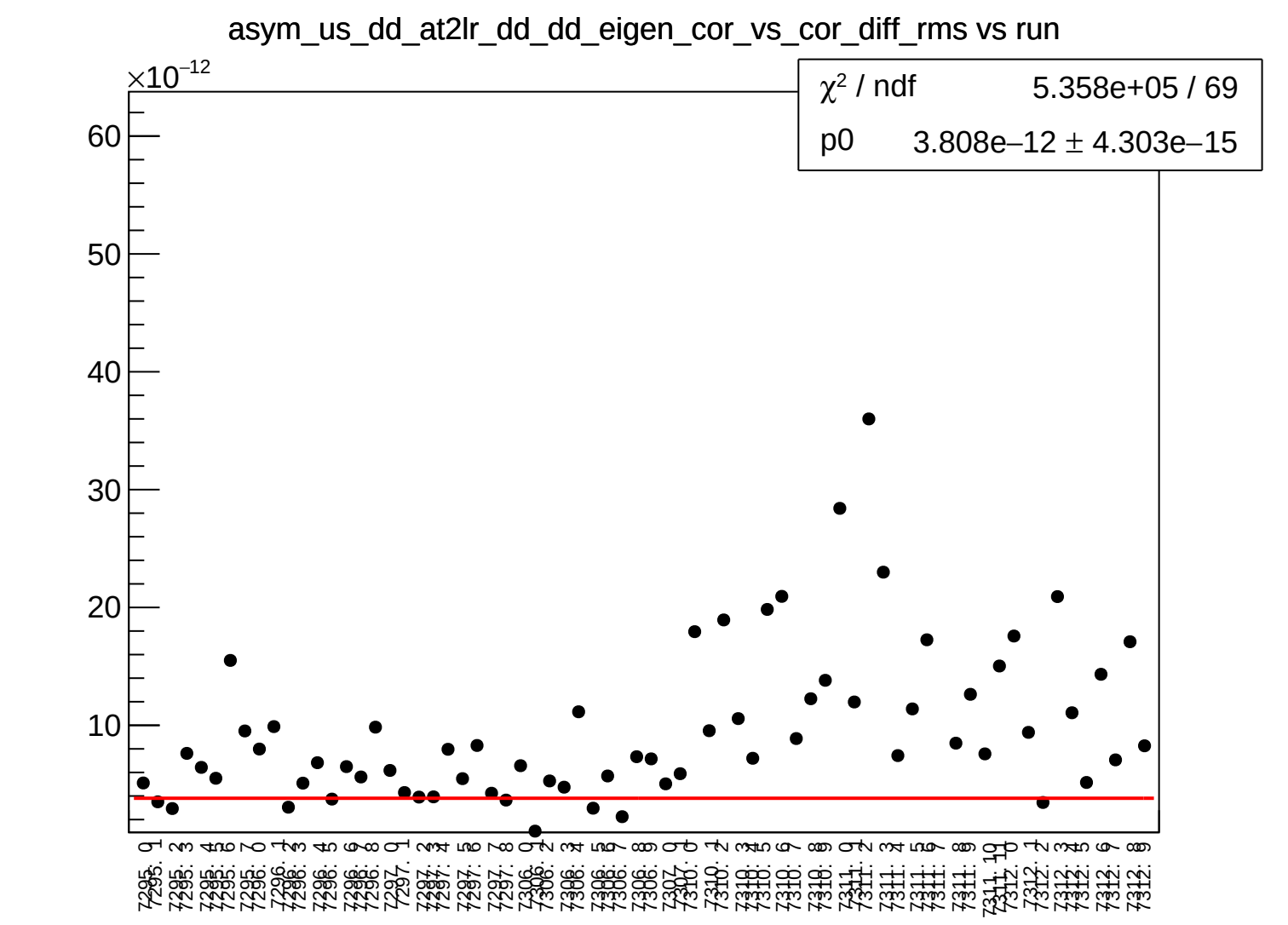

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.86 / 69
p0 −0.02334 ± 0.6184
pull
Entries 70
Mean 79.61
Std Dev 0

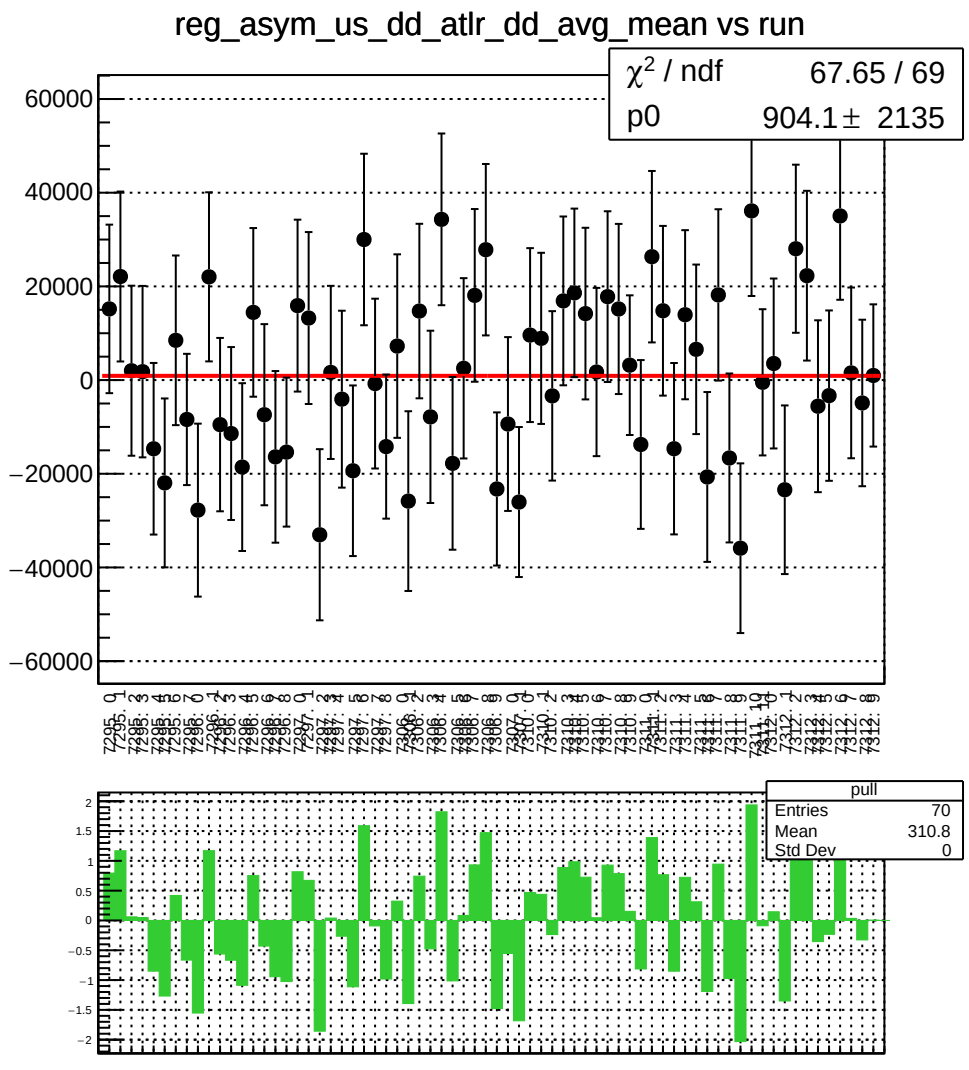

pull1D
Entries 70
Mean 0.04028
Std Dev 0.9239

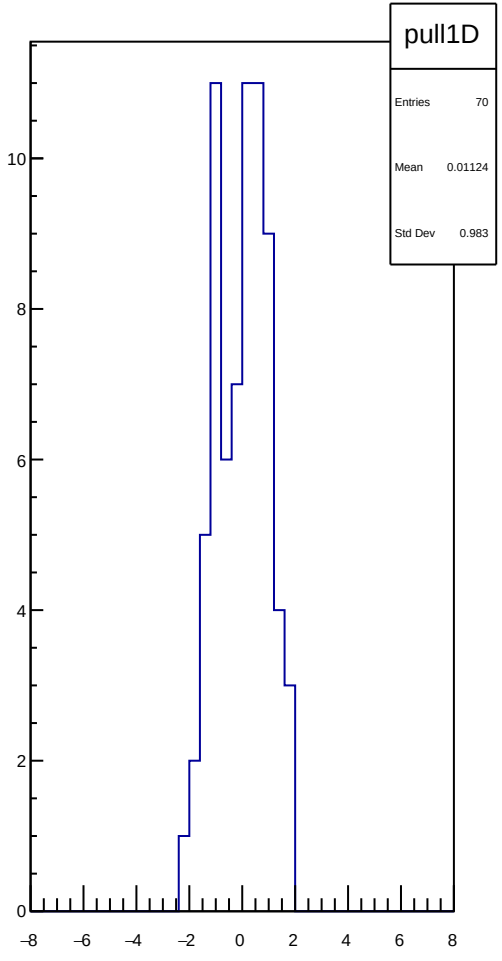

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.553e+05 / 69
p0 471.7 ± 0.4373
1100
1000
900
800
700
600
500
400
300

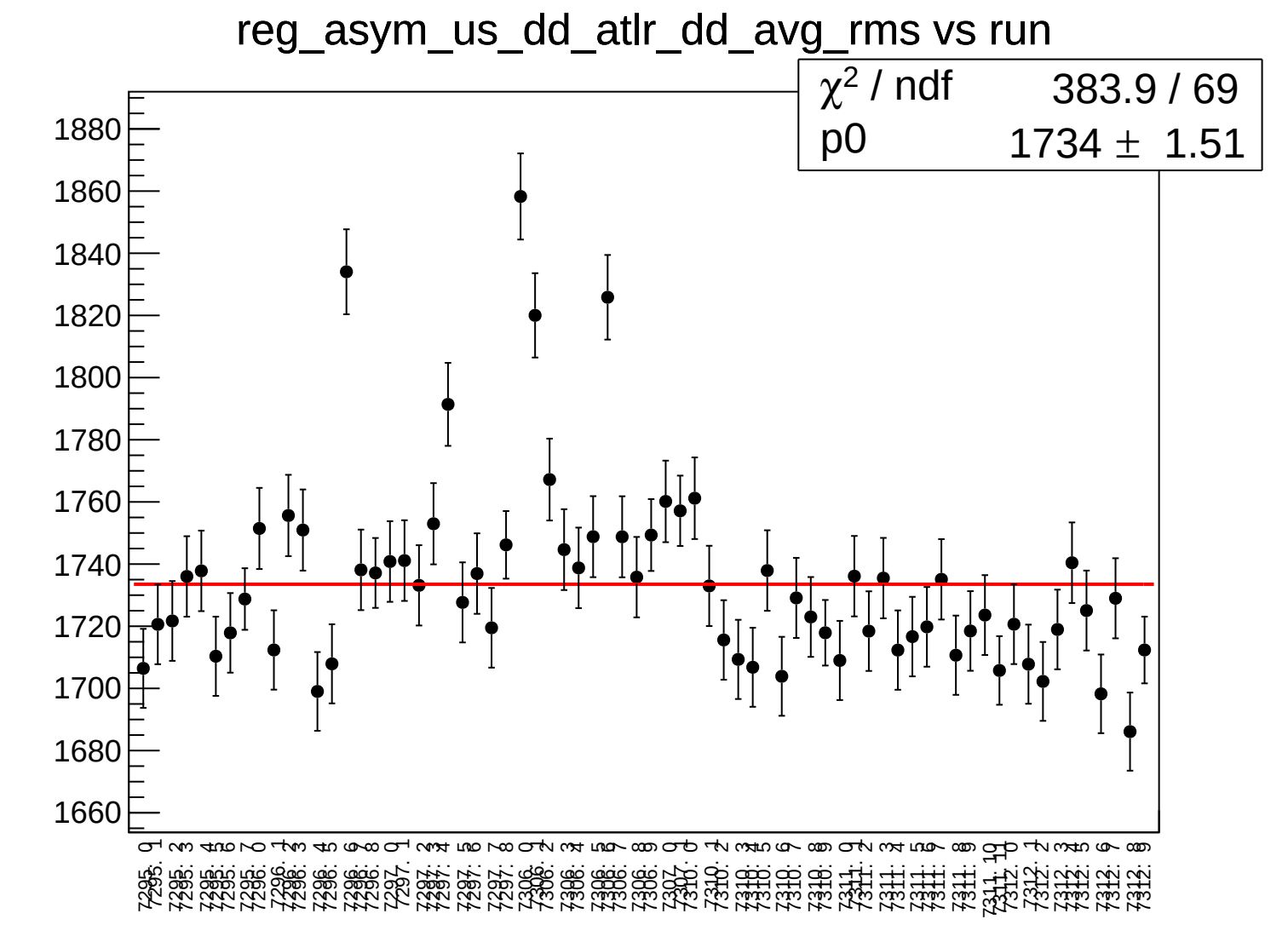

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.8 / 69
p0 −2.038e−15 ± 6.086e−15
pull
Entries 70
Mean 48.23
Std Dev 36.05

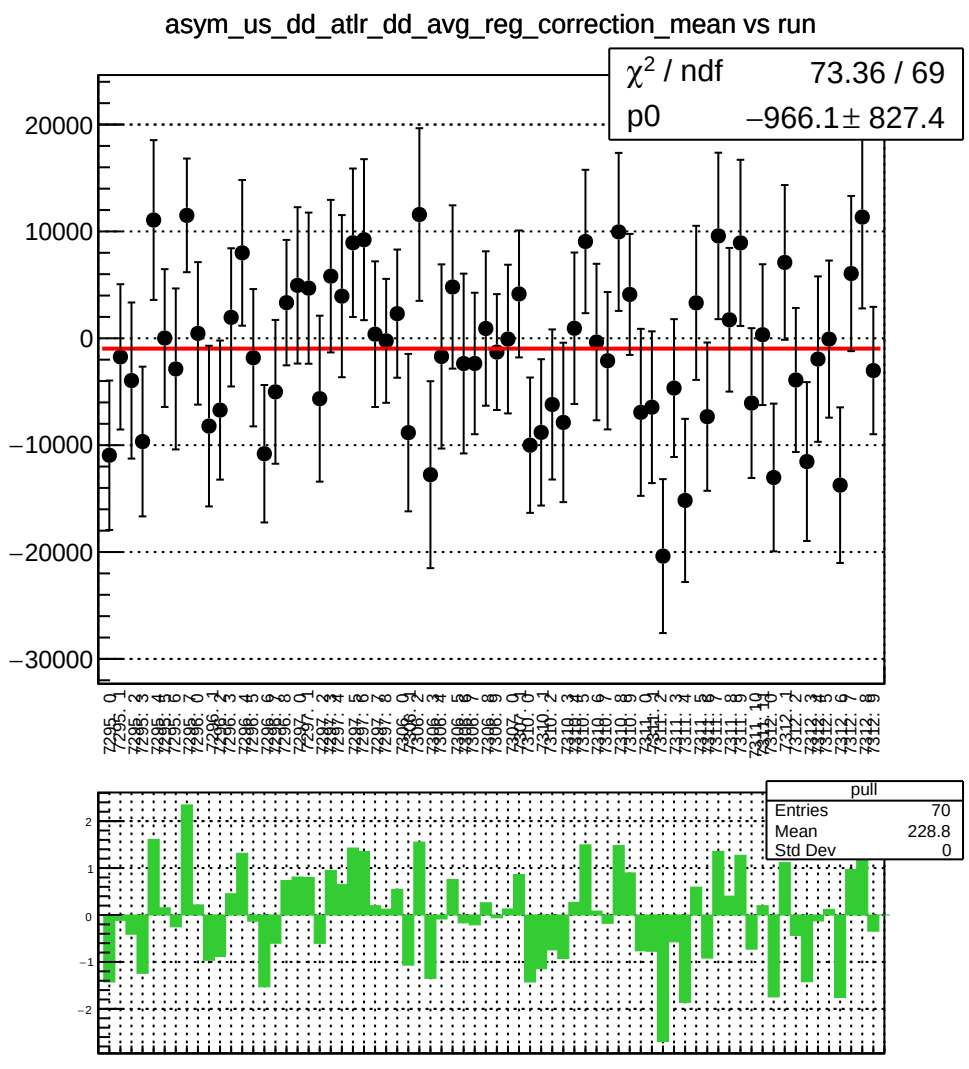

pull1D
Entries 70
Mean 0.05493
Std Dev 0.7708

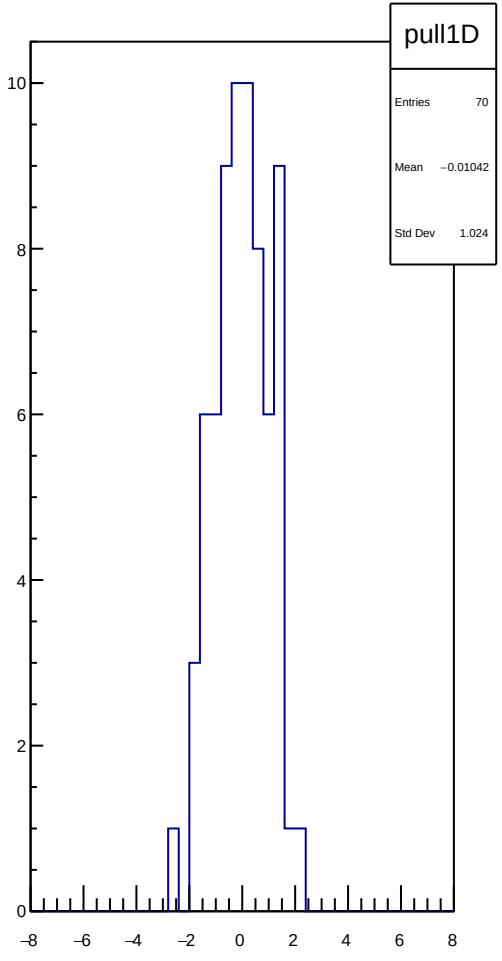

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.358e+05 / 69
p0 3.808e−12 ± 4.303e−15
60
50
40
30
20
10

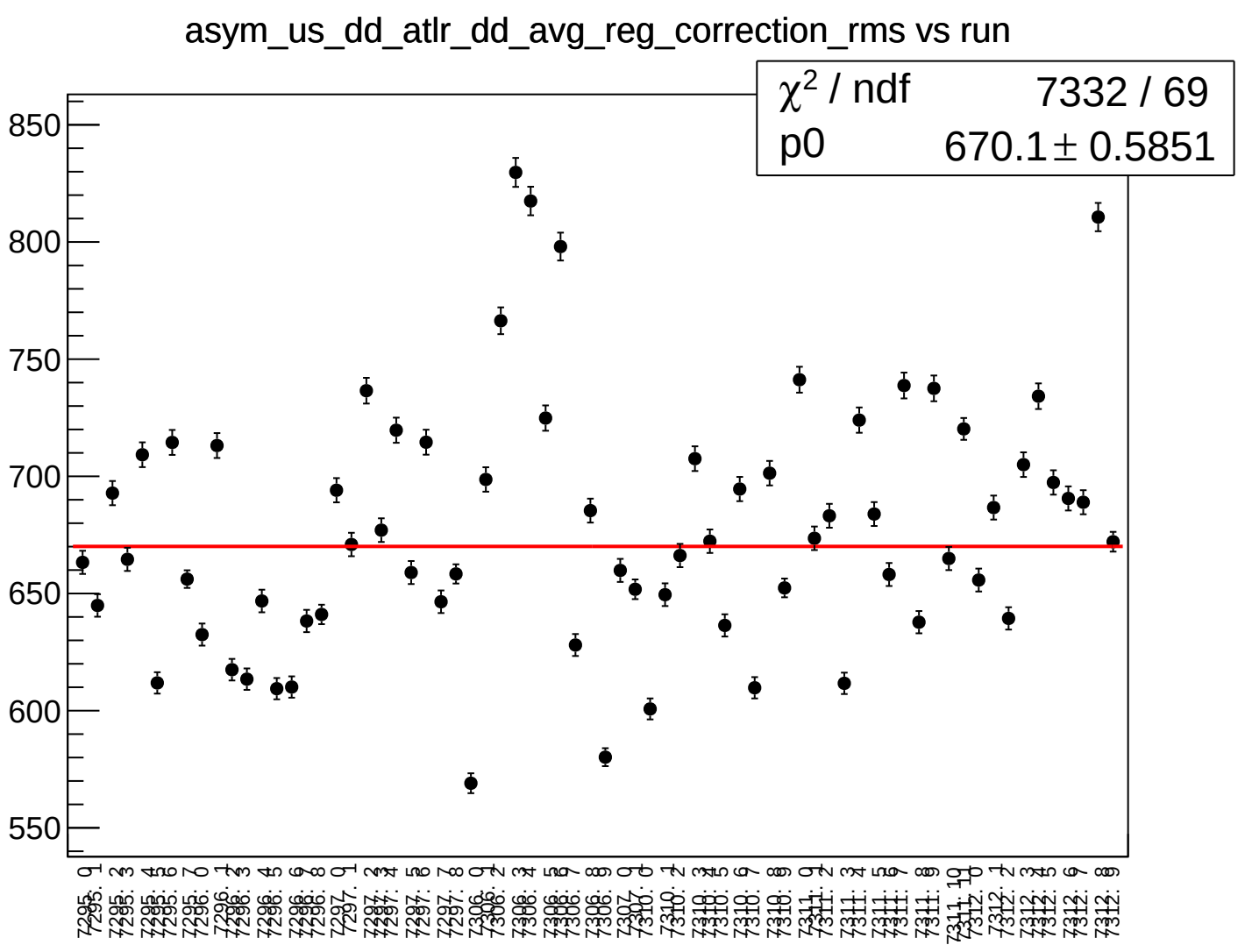

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.65 / 69
p0 904.1 ± 2135
pull
Entries 70
Mean 310.8
Std Dev 0

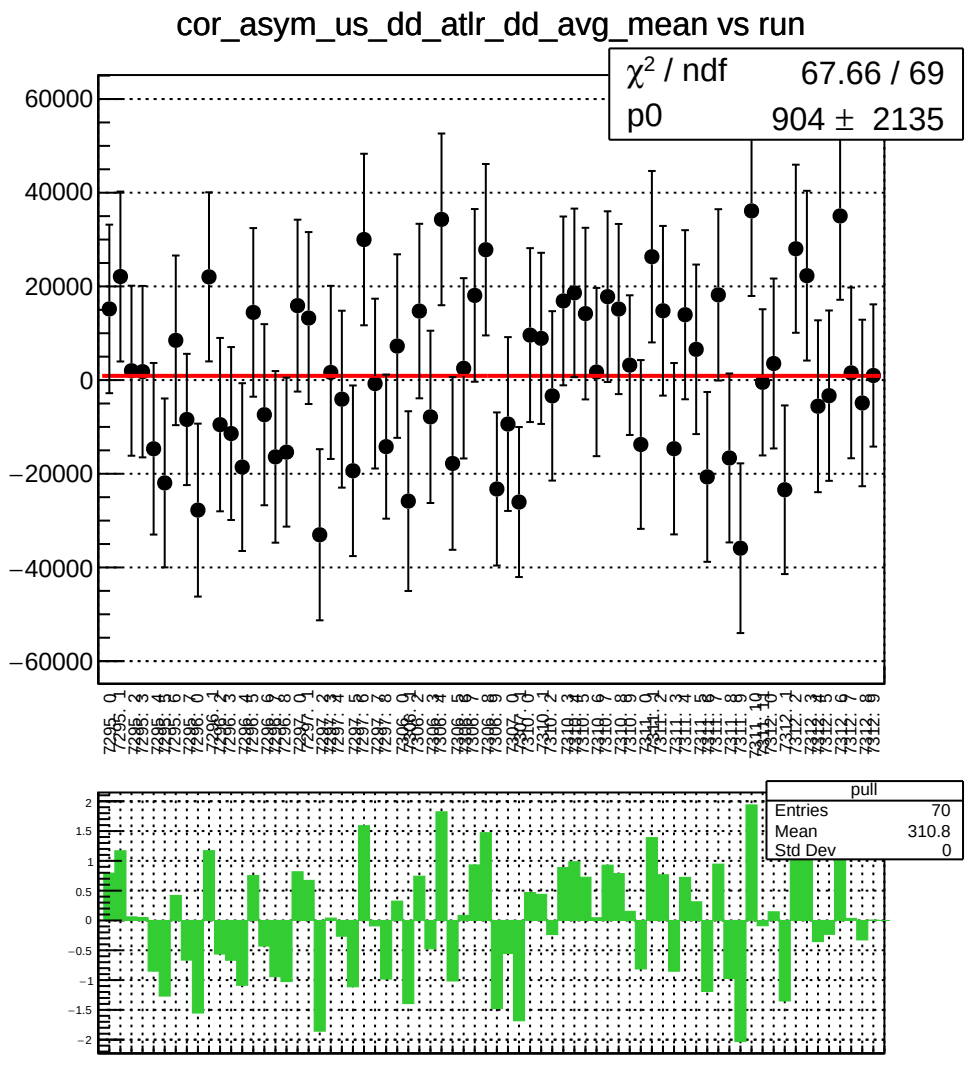

pull1D
Entries 70
Mean 0.01124
Std Dev 0.983

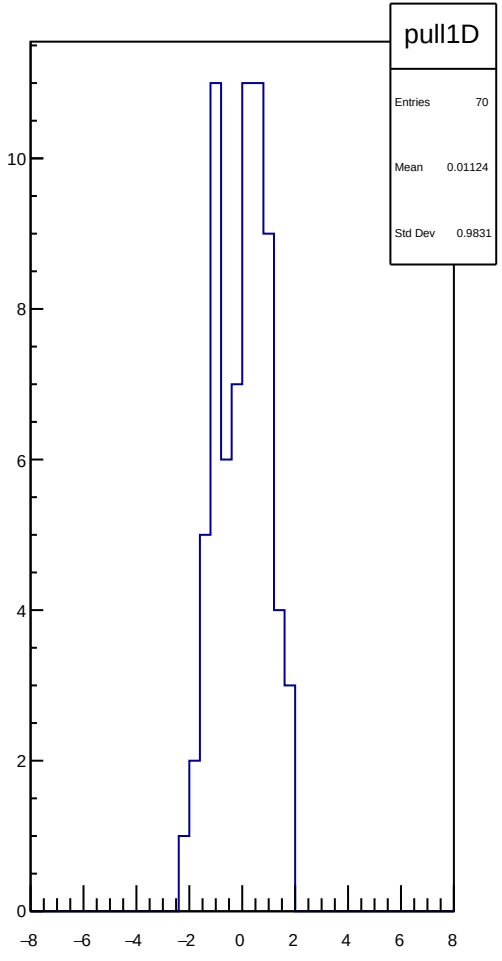

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ^2 / ndf 383.9 / 69
p0 1734 ± 1.51
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660

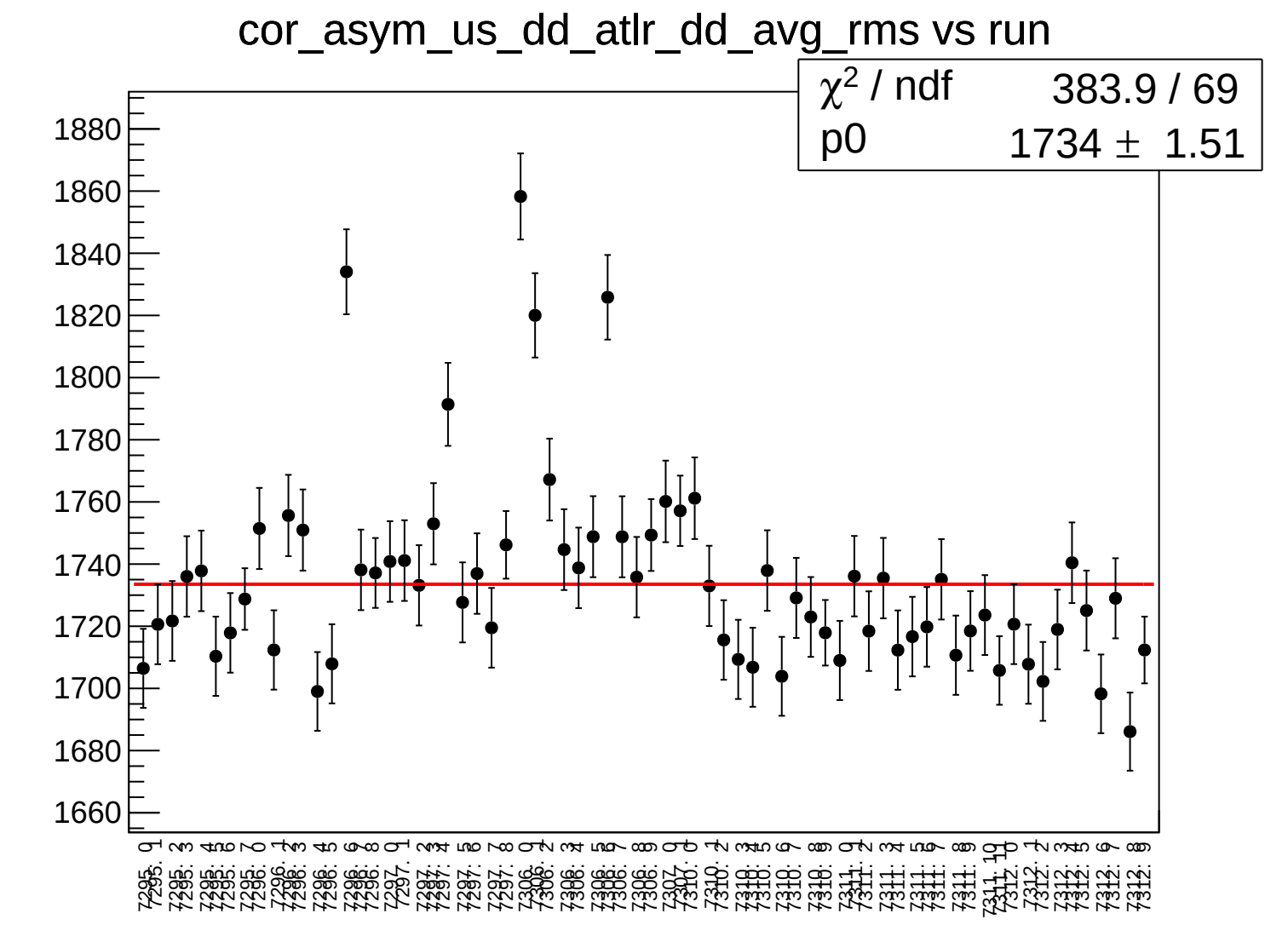

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 73.36 / 69
p0 −966.1 ± 827.4
pull
Entries 70
Mean 228.8
Std Dev 0

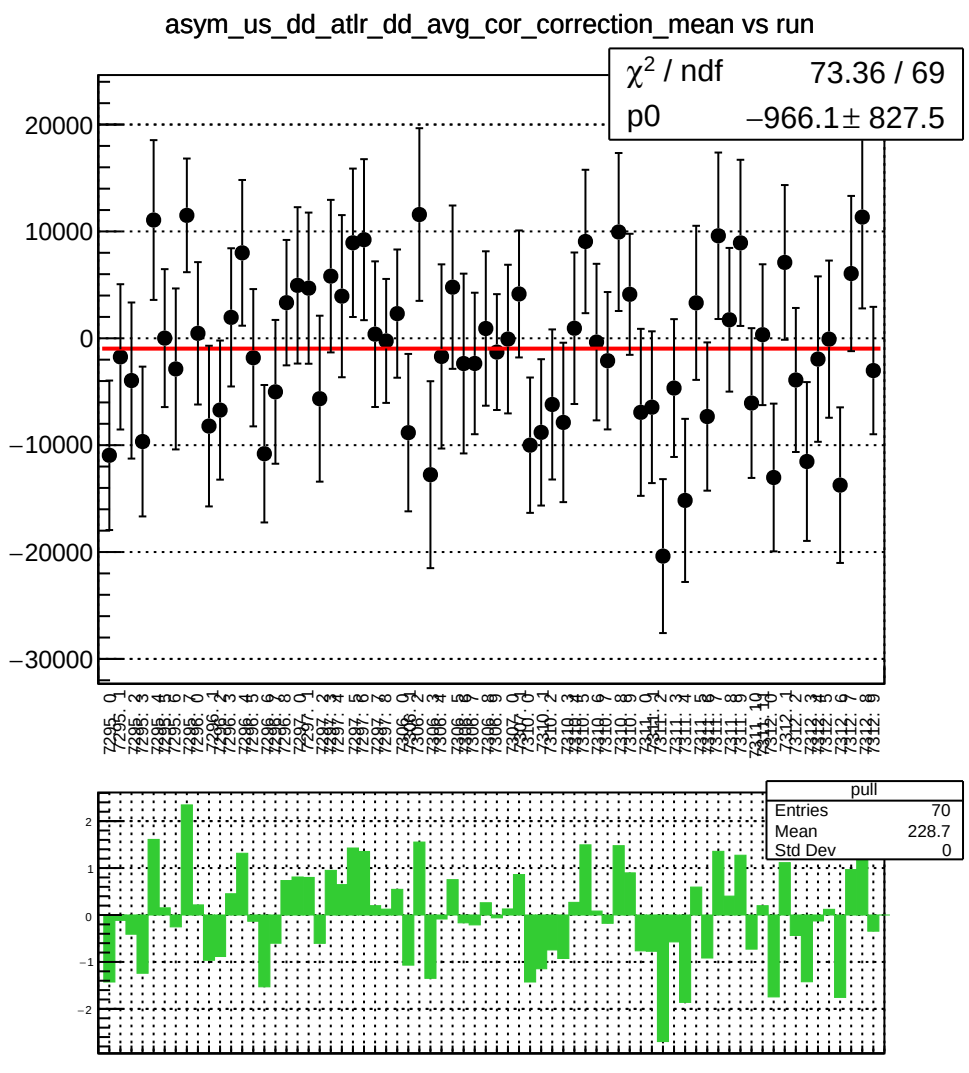

pull1D
Entries 70
Mean −0.01042
Std Dev 1.024

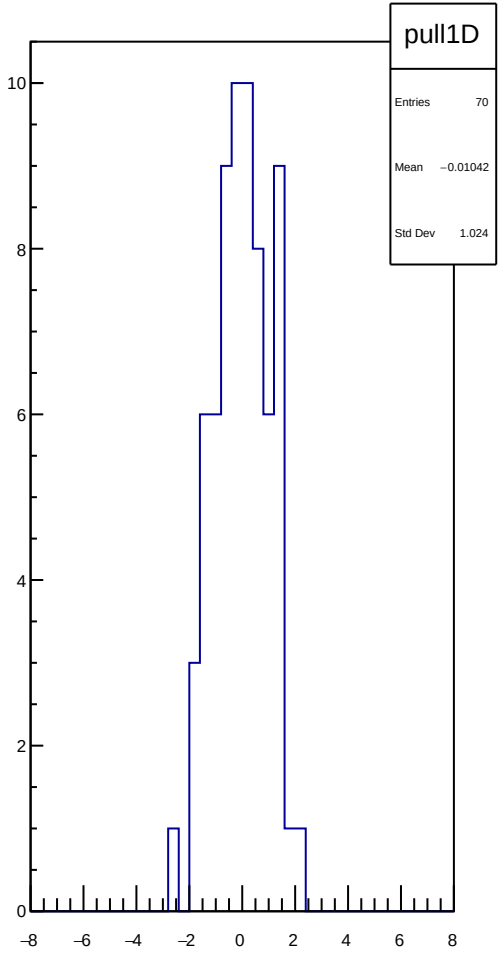

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 7332 / 69
p0 670.1 ± 0.5851
850
800
750
700
650
600
550

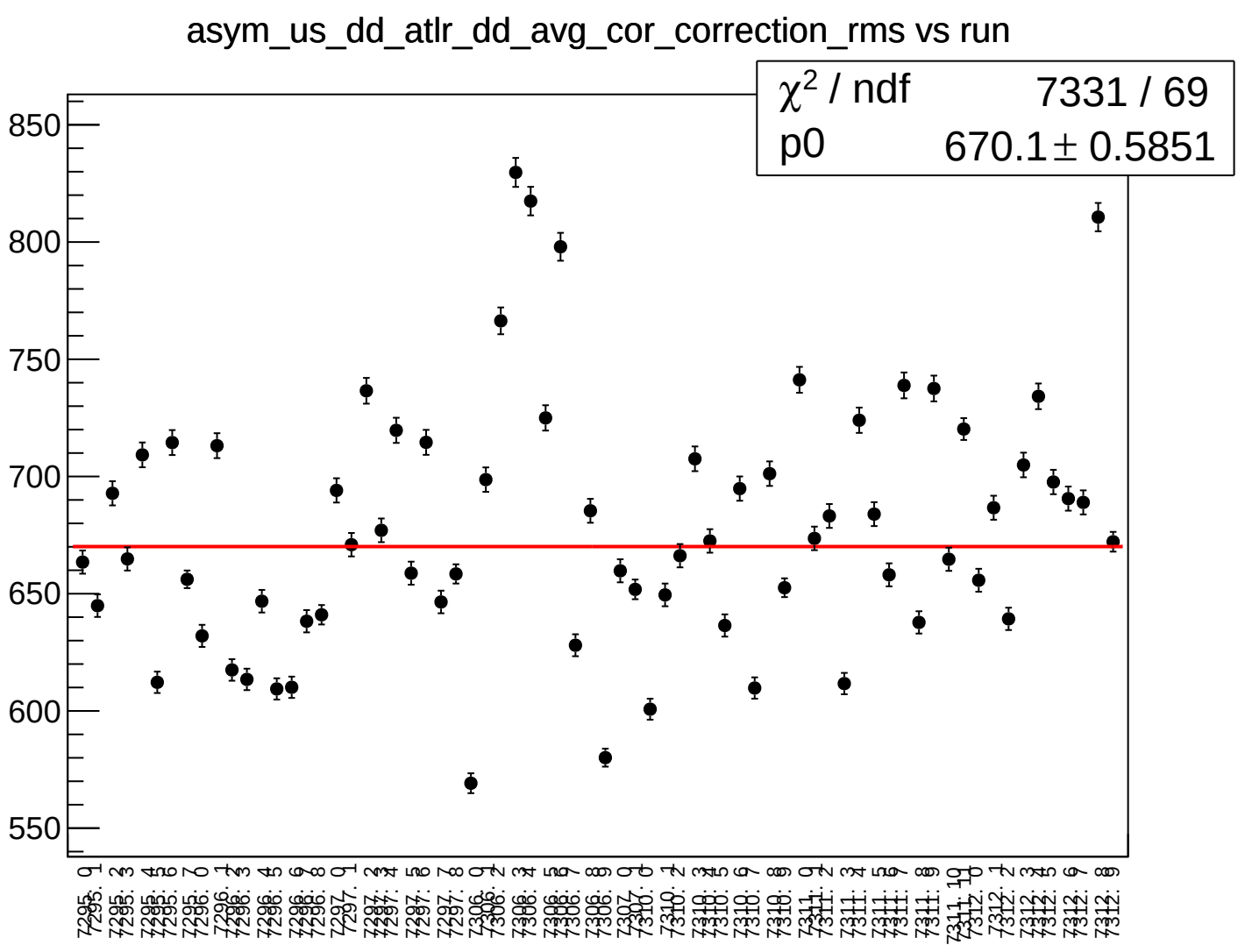

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.66 / 69
p0 904 ± 2135
pull
Entries 70
Mean 310.8
Std Dev 0

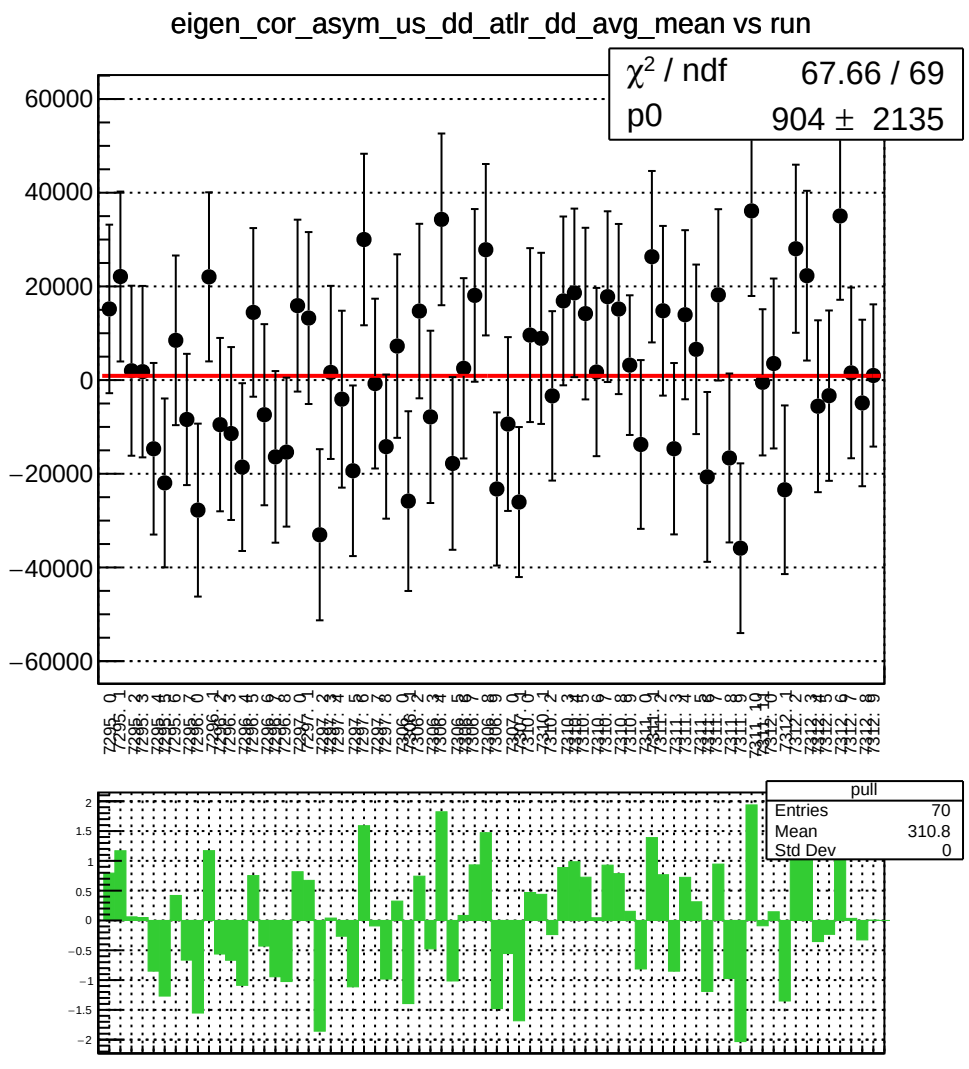

pull1D
Entries 70
Mean 0.01124
Std Dev 0.9831

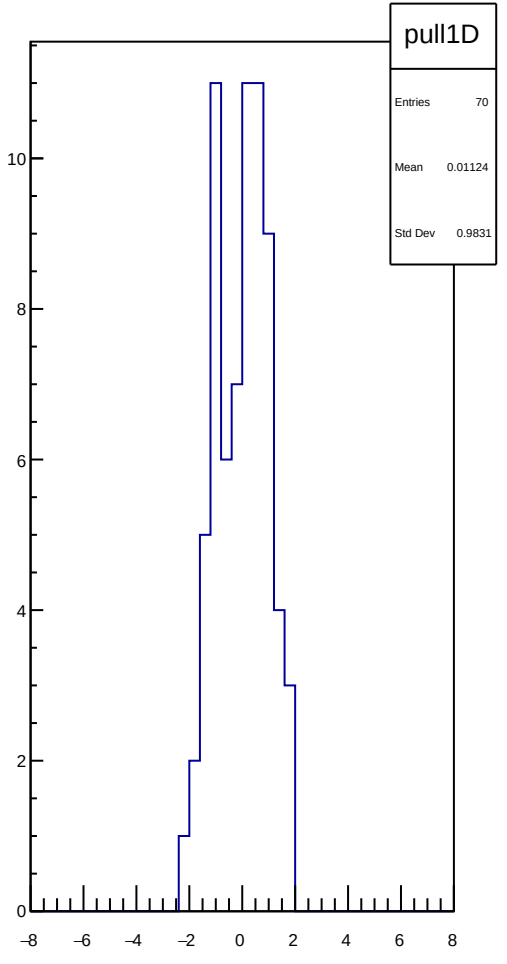

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ^2 / ndf 383.9 / 69
p0 1734 ± 1.51
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660

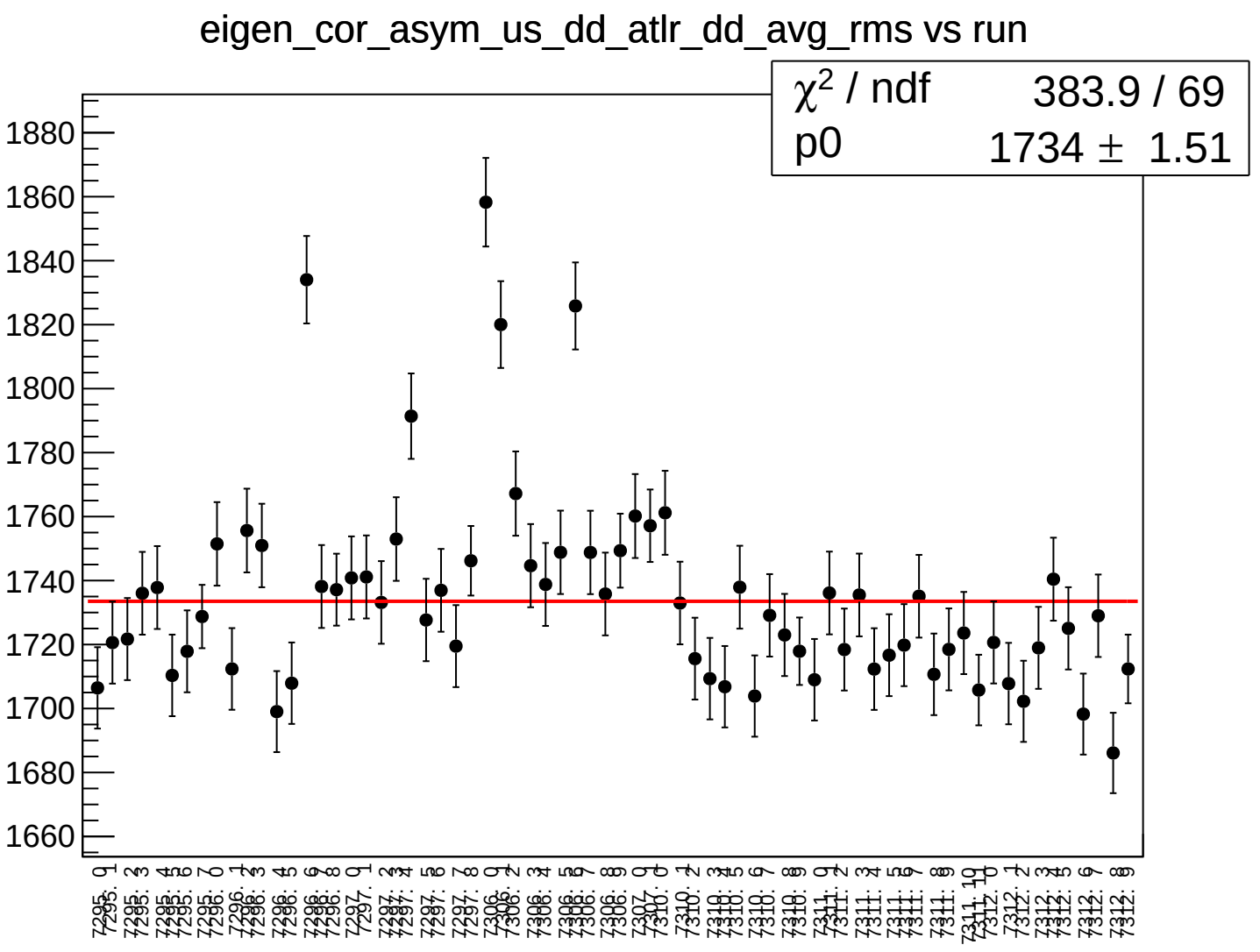

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 73.36 / 69
p0 −966.1 ± 827.5
pull
Entries 70
Mean 228.7
Std Dev 0

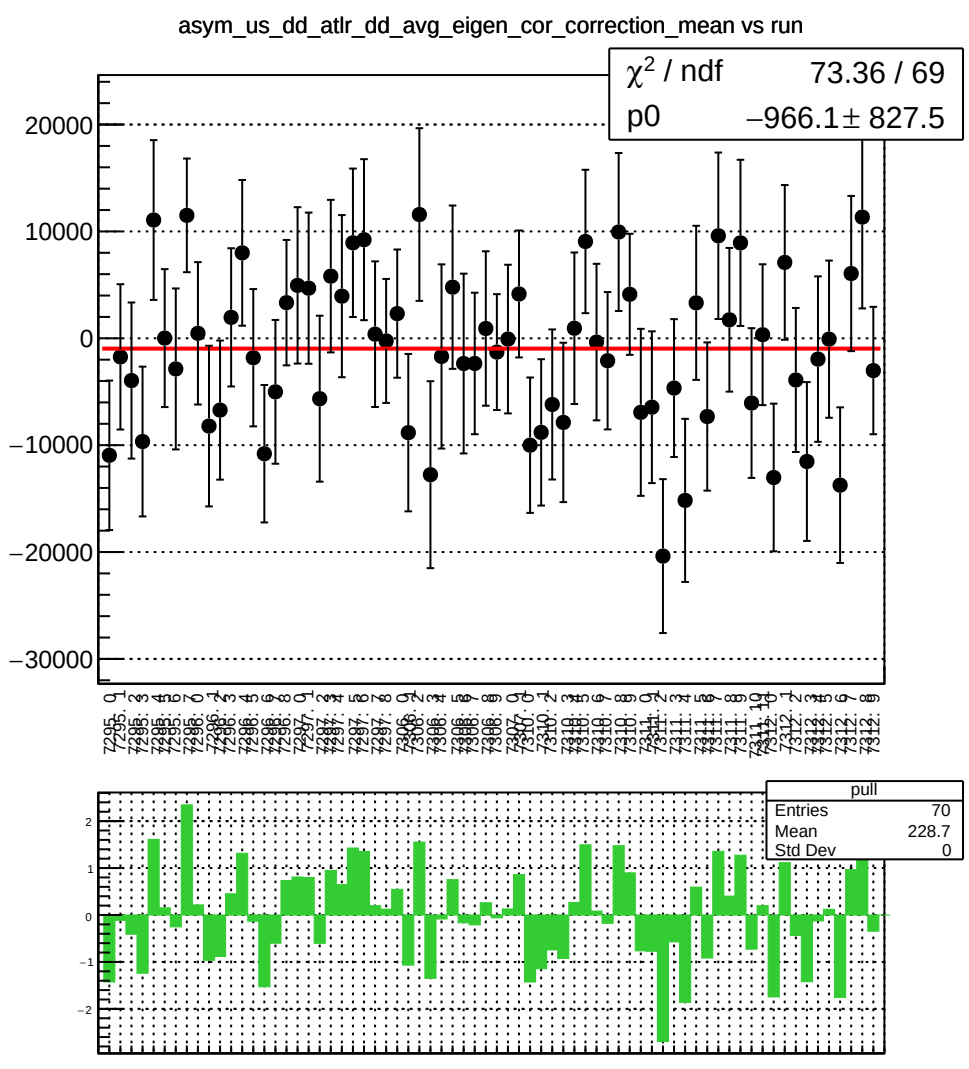

pull1D
Entries 70
Mean −0.01042
Std Dev 1.024

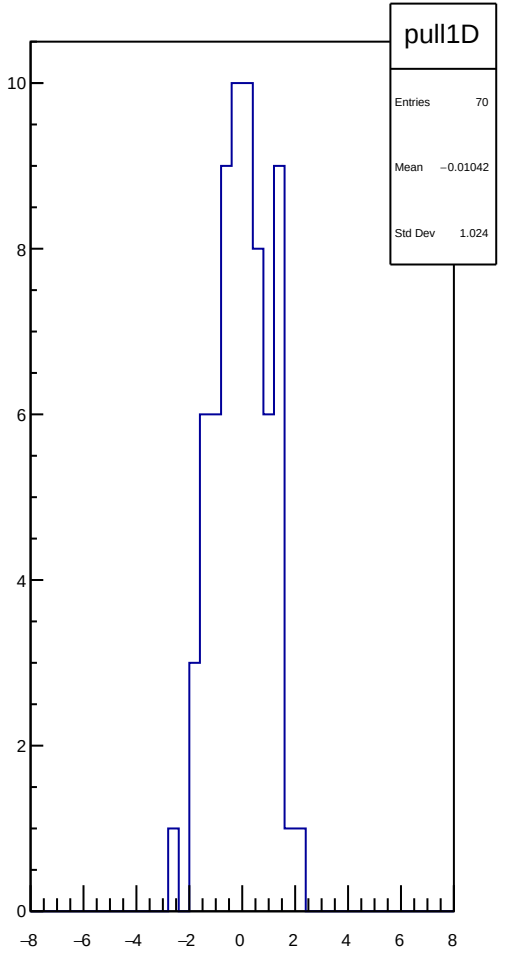

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 7331 / 69
p0 670.1 ± 0.5851
850
800
750
700
650
600
550

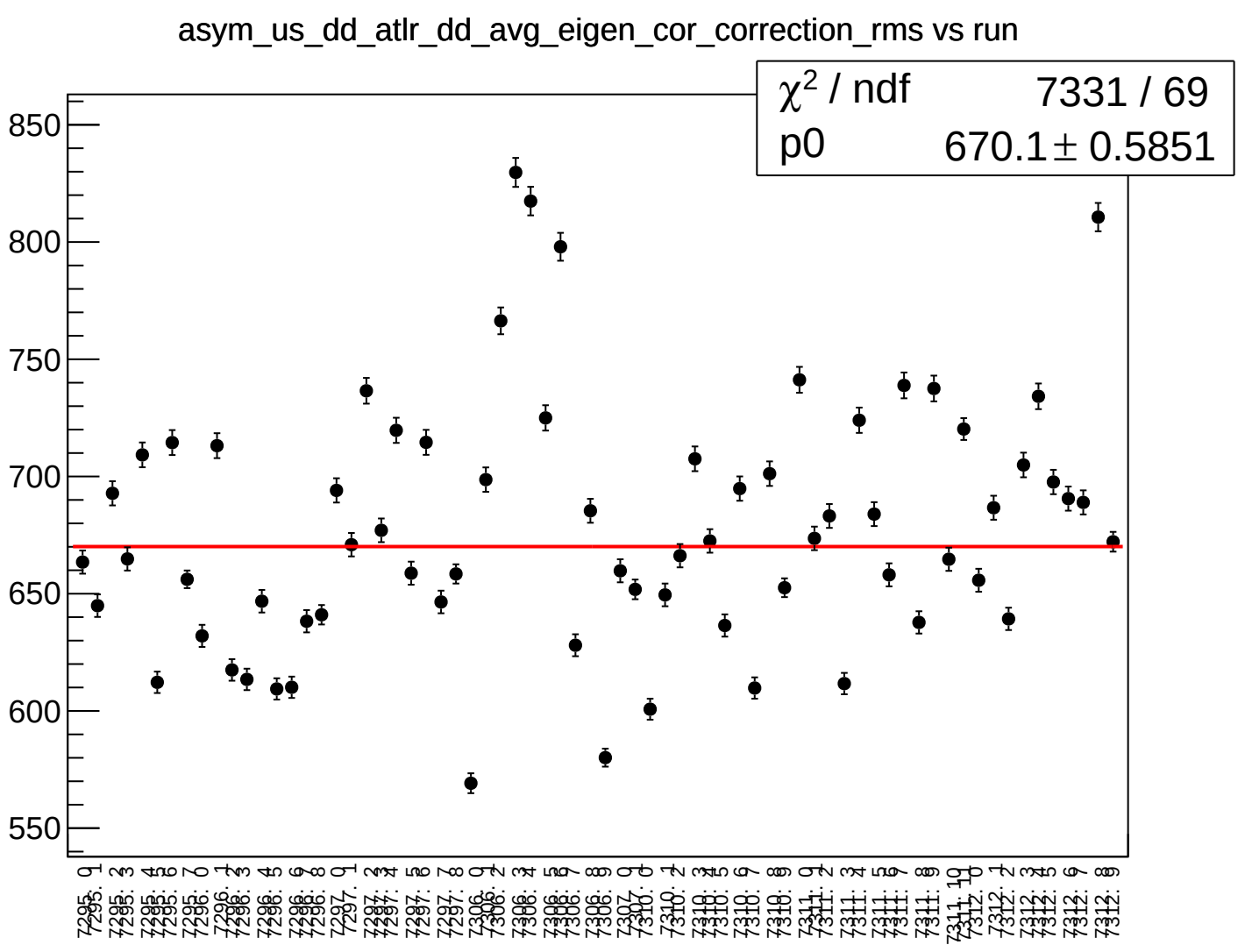

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.66 / 69
p0 904 ± 2135
pull
Entries 70
Mean 310.8
Std Dev 0

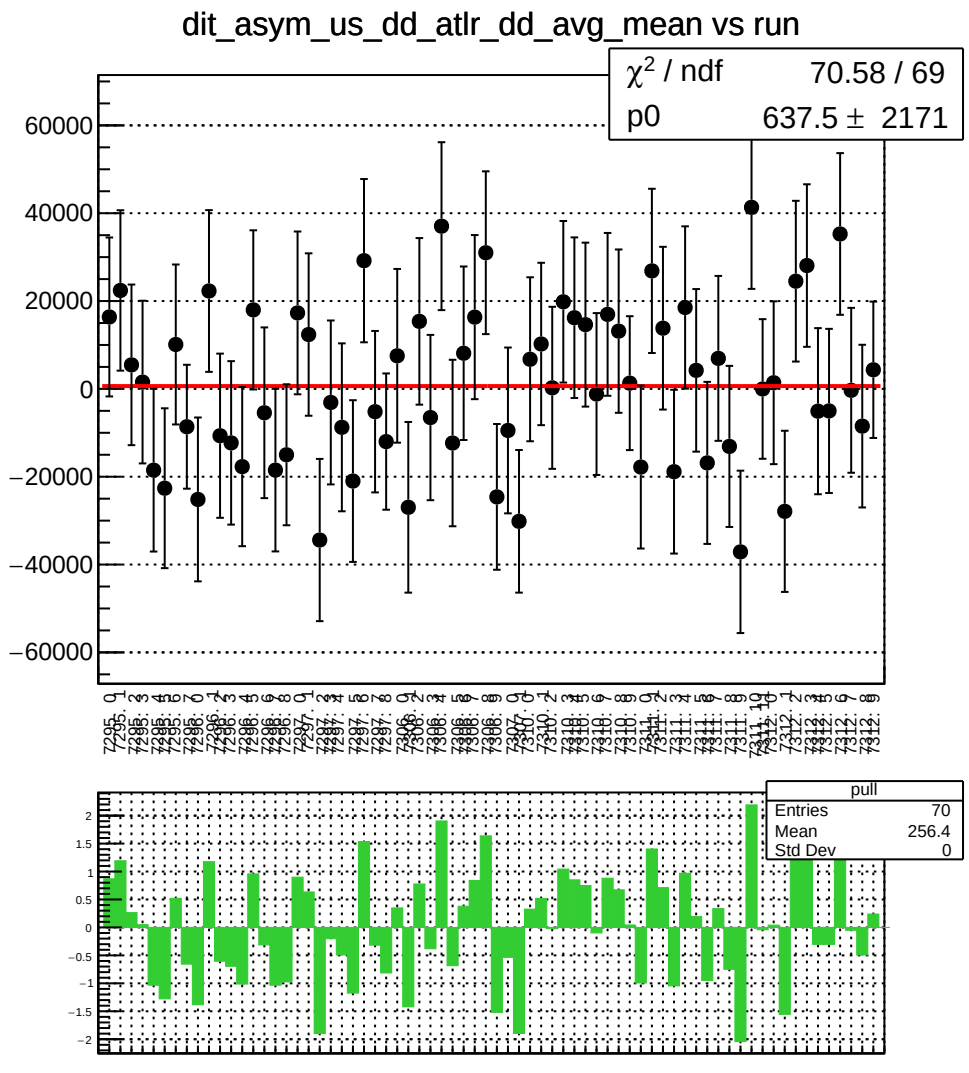

pull1D
Entries 70
Mean 0.01124
Std Dev 0.9831

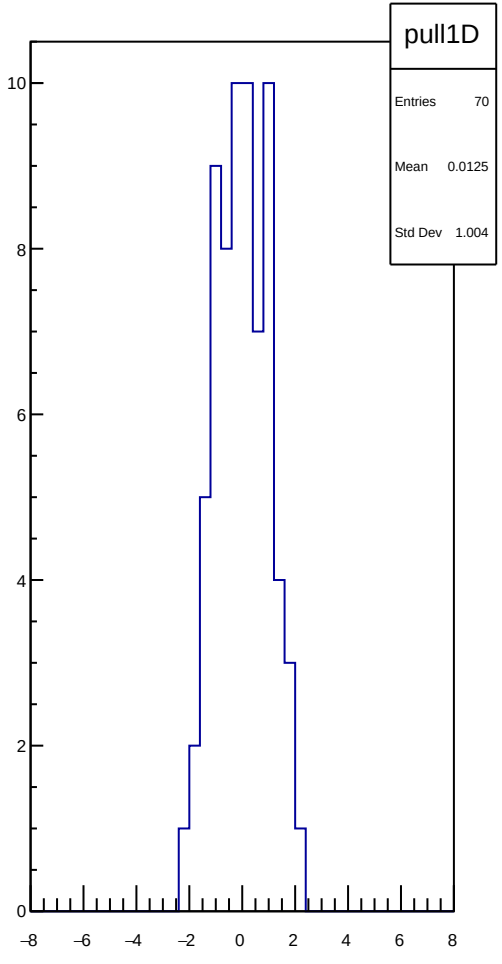

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 383.9 / 69
p0 1734 ± 1.51
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660

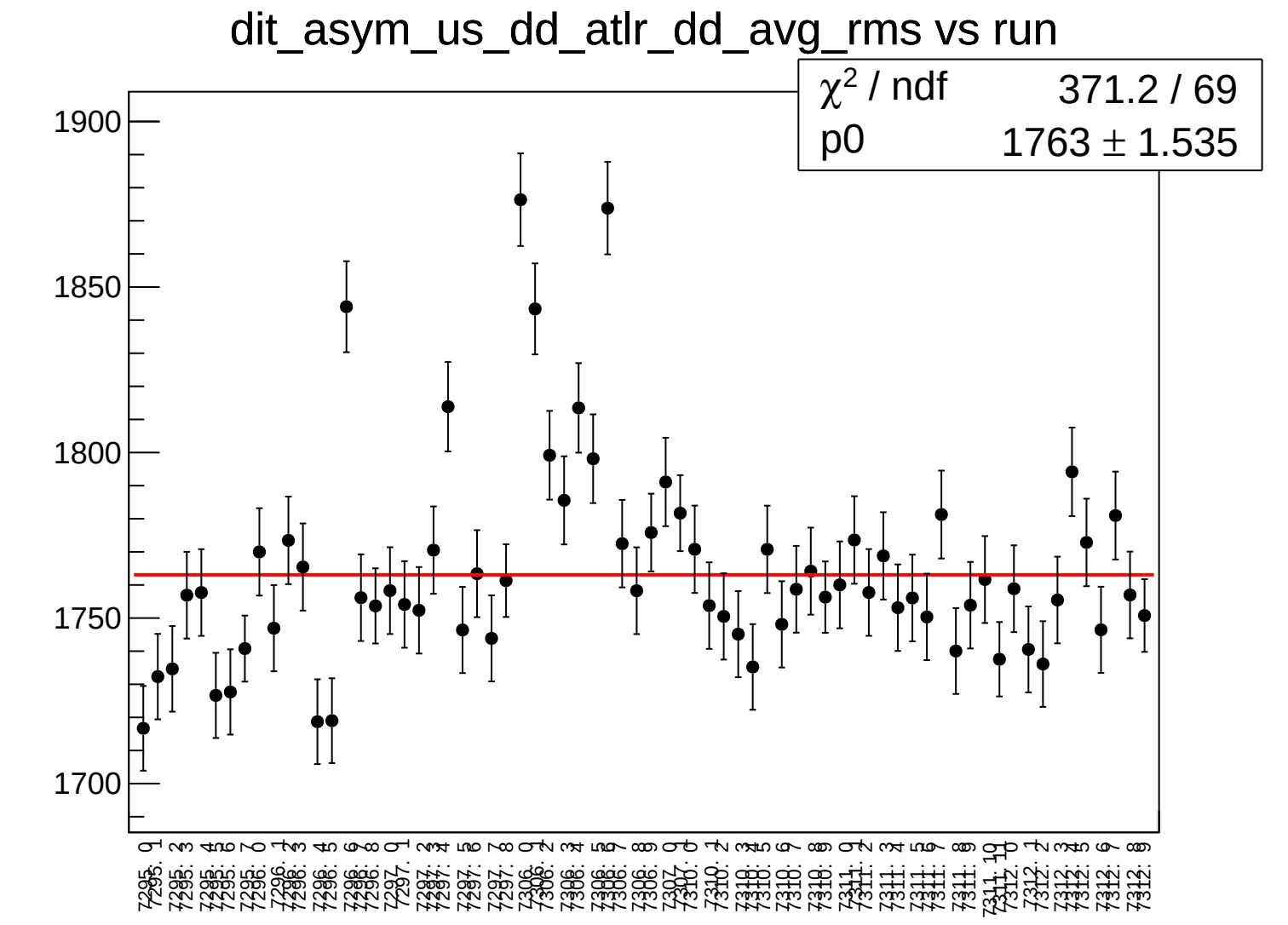

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.36 / 69
p0 −966.1 ± 827.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 228.7
Std Dev 0
2
1
0
−1
−2

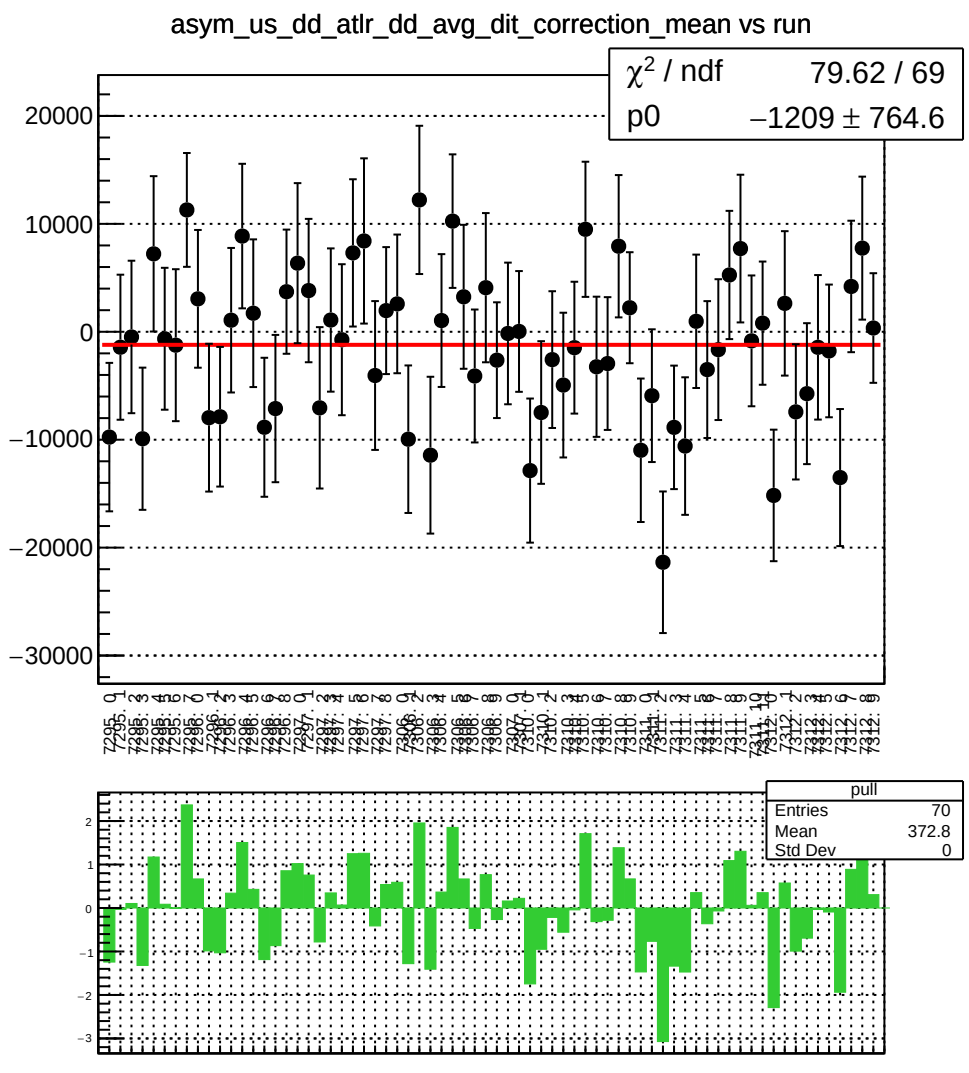

pull1D
Entries 70
Mean −0.01042
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

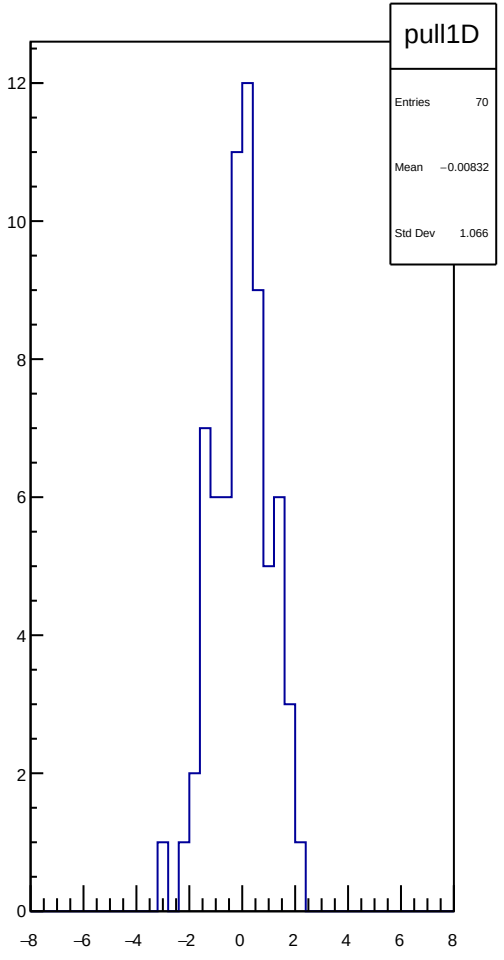

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7331 / 69
p0 670.1 ± 0.5851
850
800
750
700
650
600
550

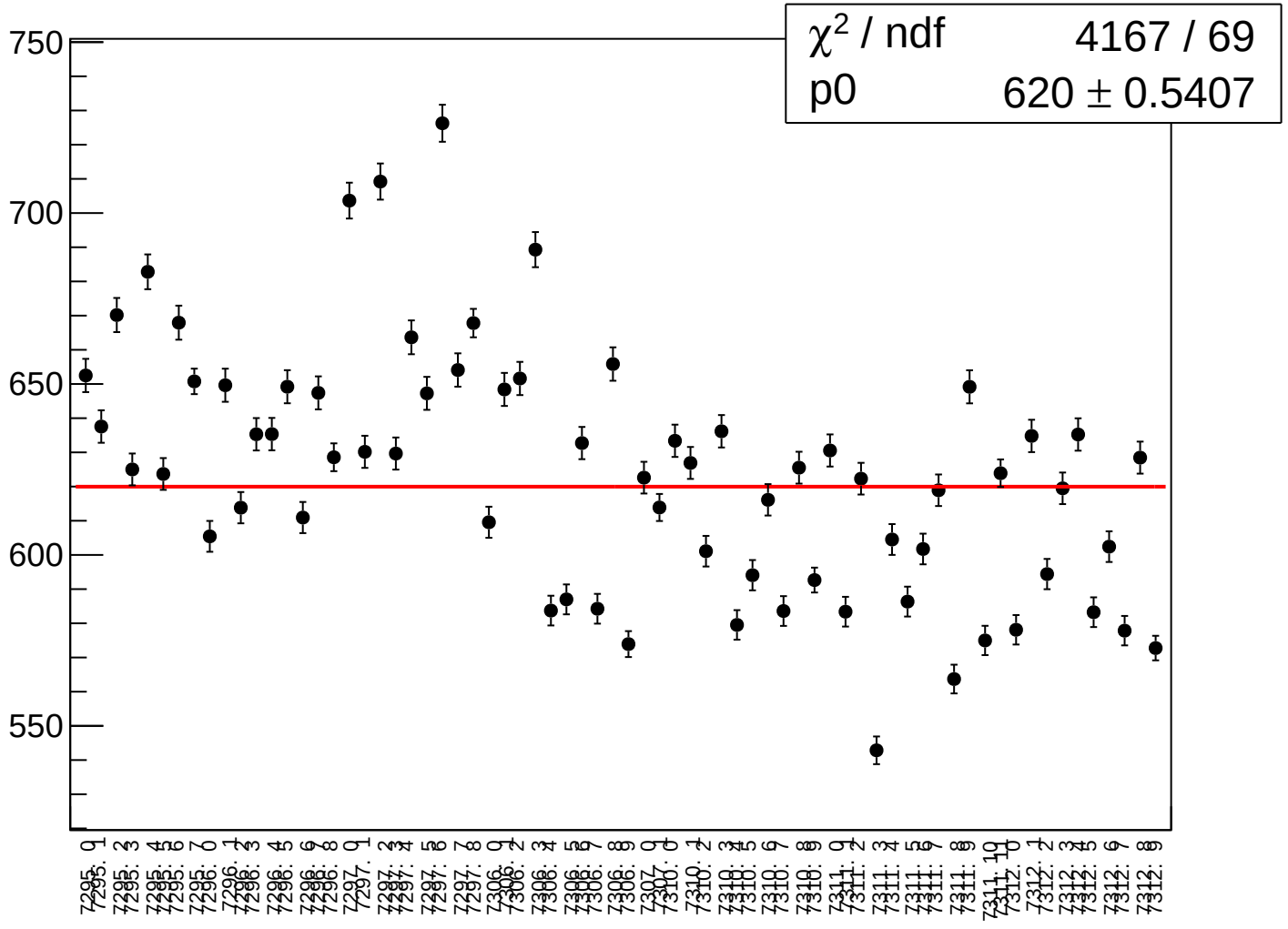

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ^2 / ndf 70.58 / 69
p0 637.5 ± 2171
pull
Entries 70
Mean 256.4
Std Dev 0

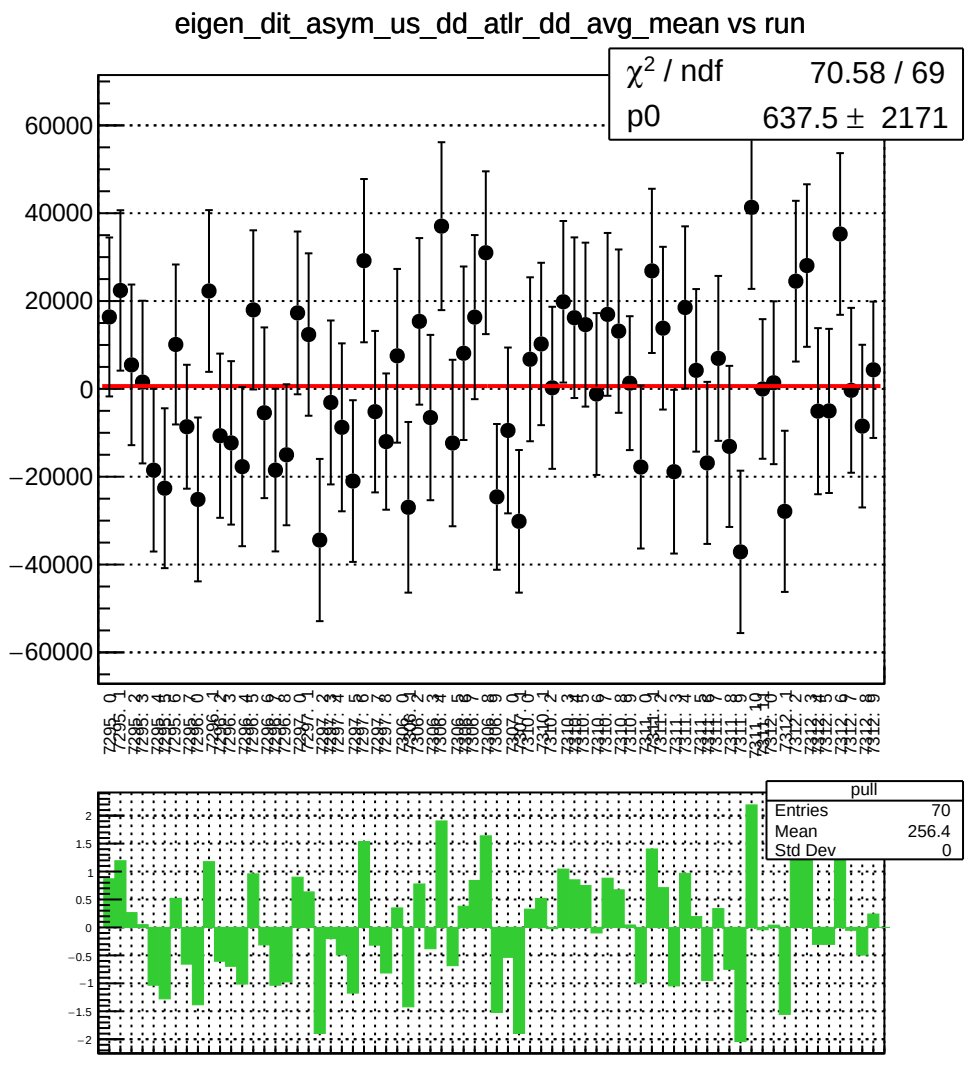

pull1D
Entries 70
Mean 0.0125
Std Dev 1.004

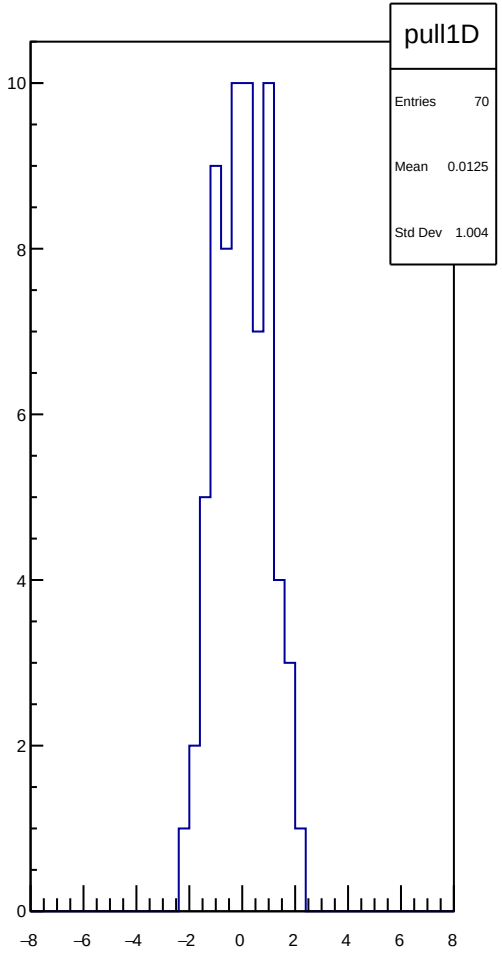

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 371.2 / 69
p0 1763 ± 1.535
1900
1850
1800
1750
1700

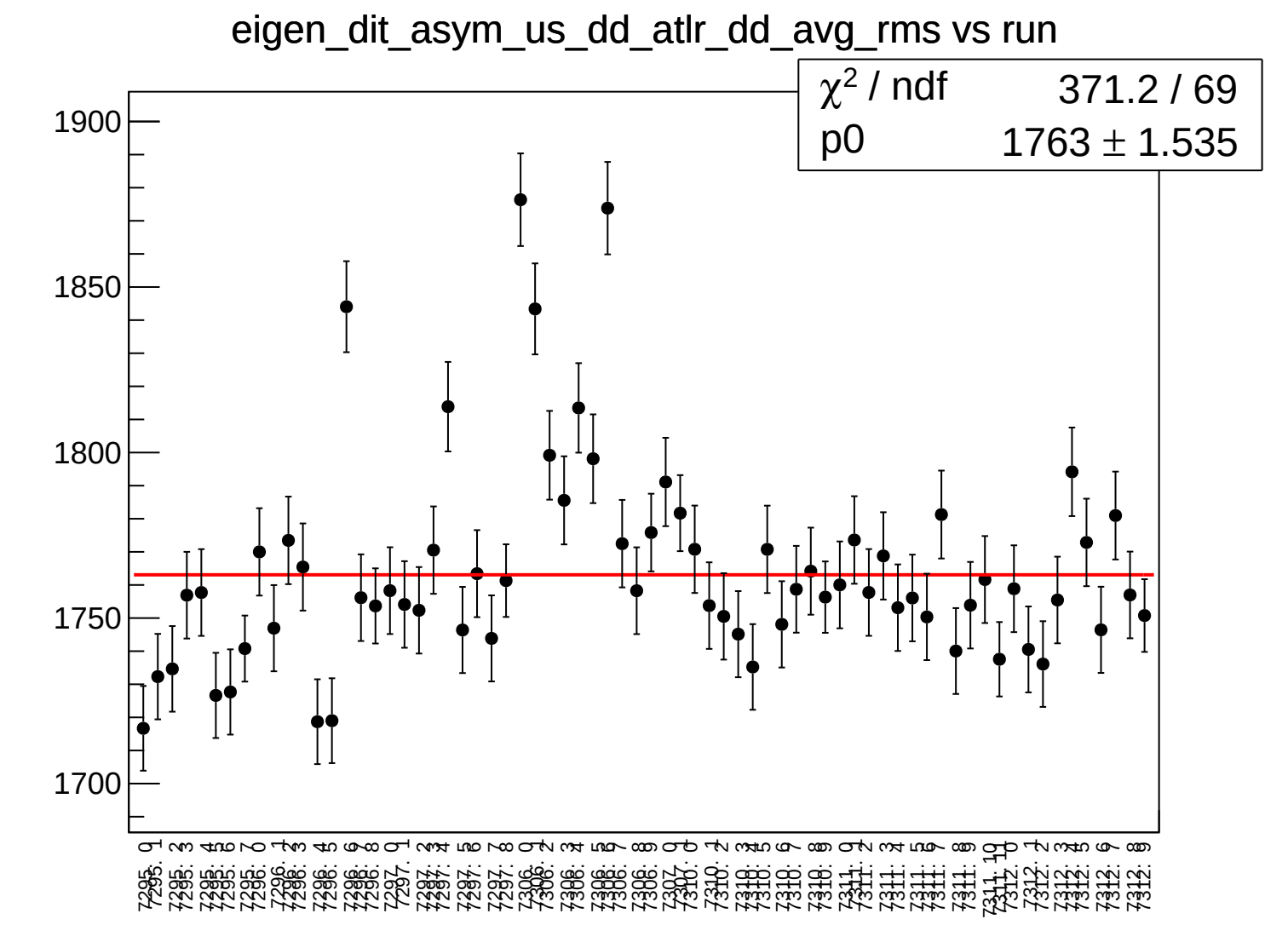

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1209 ± 764.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 372.8
Std Dev 0
2
1
0
−1
−2
−3

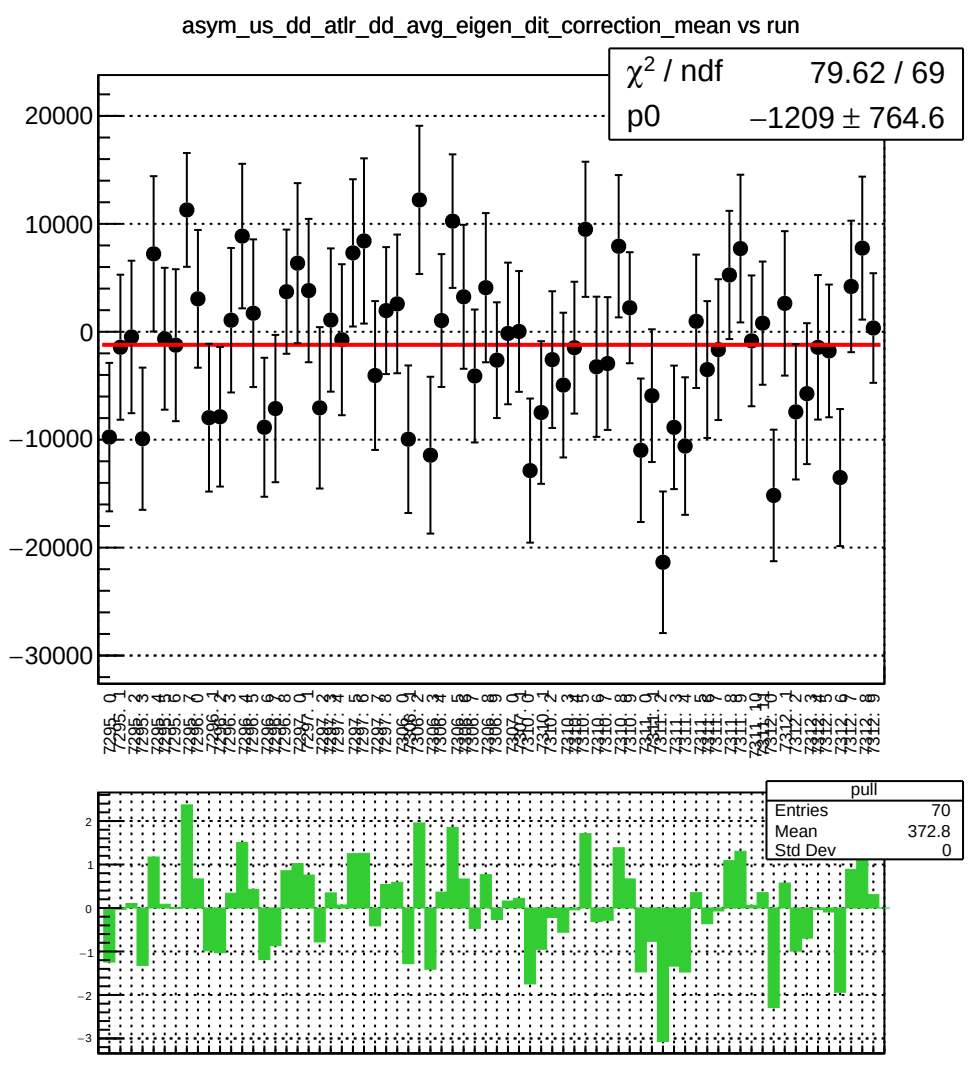

pull1D
Entries 70
Mean −0.00832
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

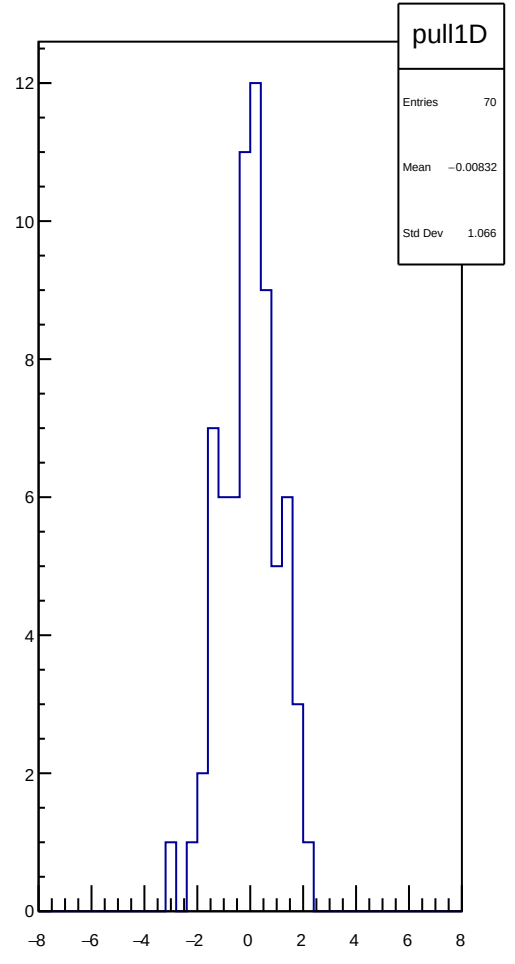

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 4167 / 69
p0 620 ± 0.5407
750
700
650
600
550

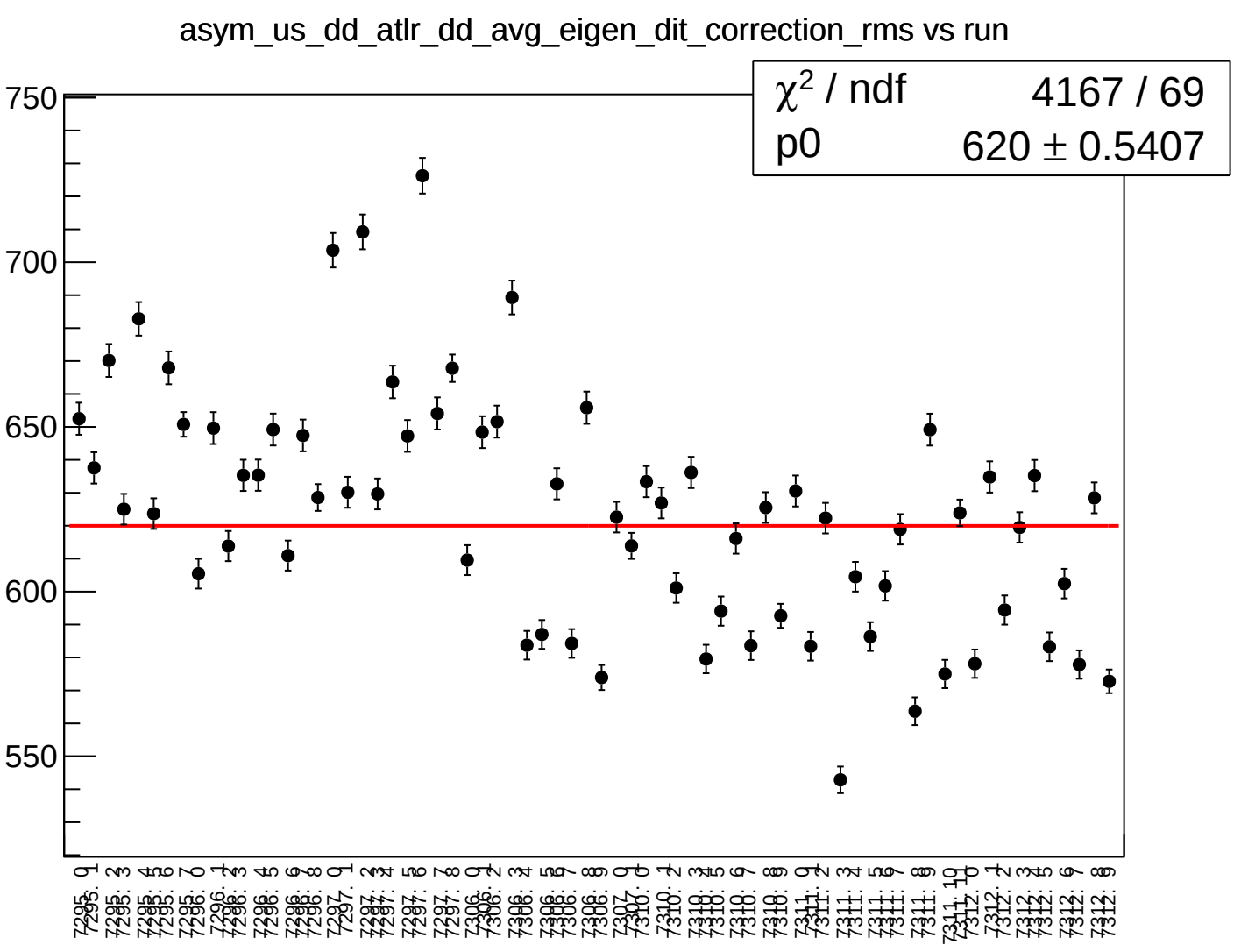

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 70.58 / 69
p0 637.5 ± 2171
pull
Entries 70
Mean 256.4
Std Dev 0

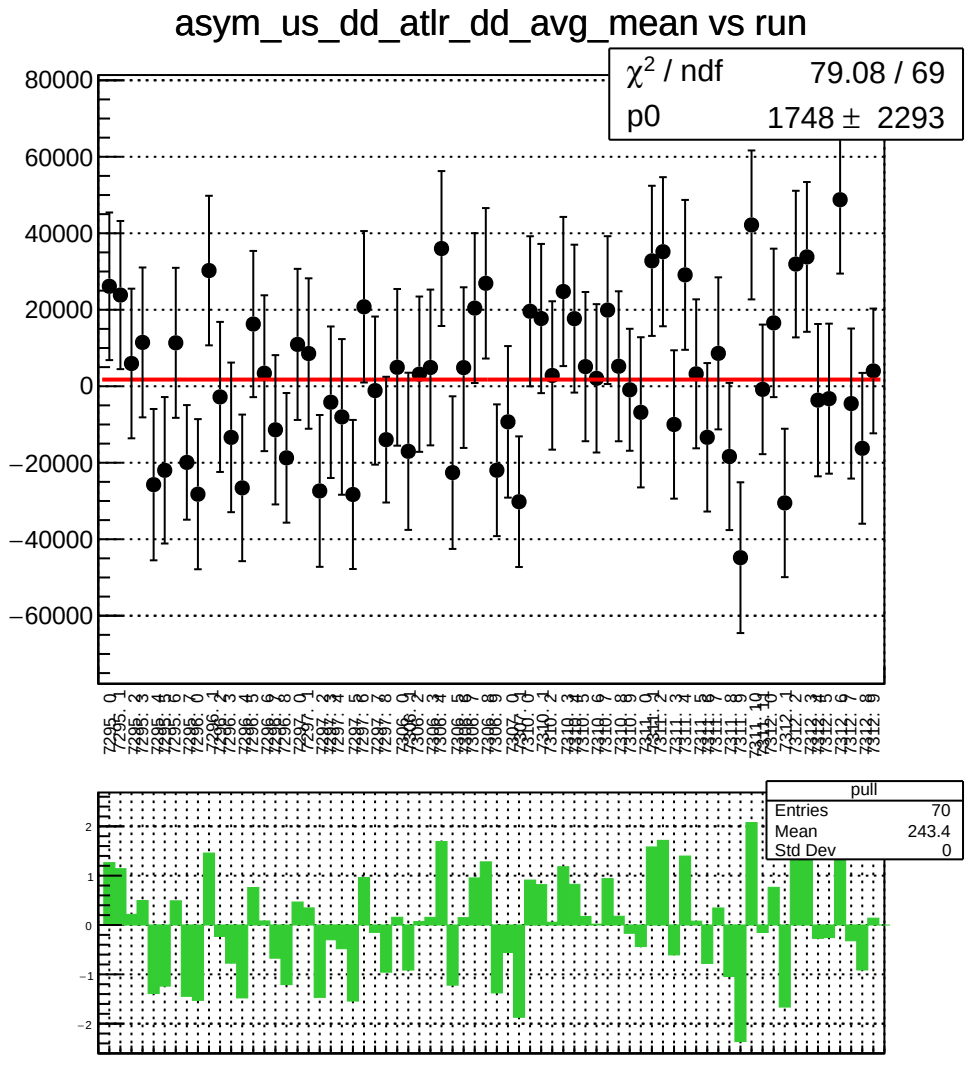

pull1D
Entries 70
Mean 0.0125
Std Dev 1.004

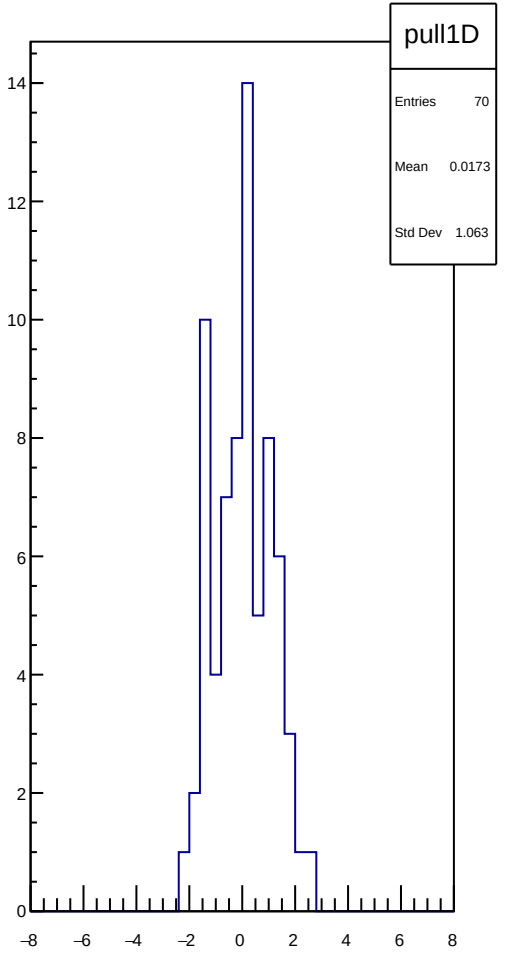

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 371.2 / 69
p0 1763 ± 1.535
1900
1850
1800
1750
1700

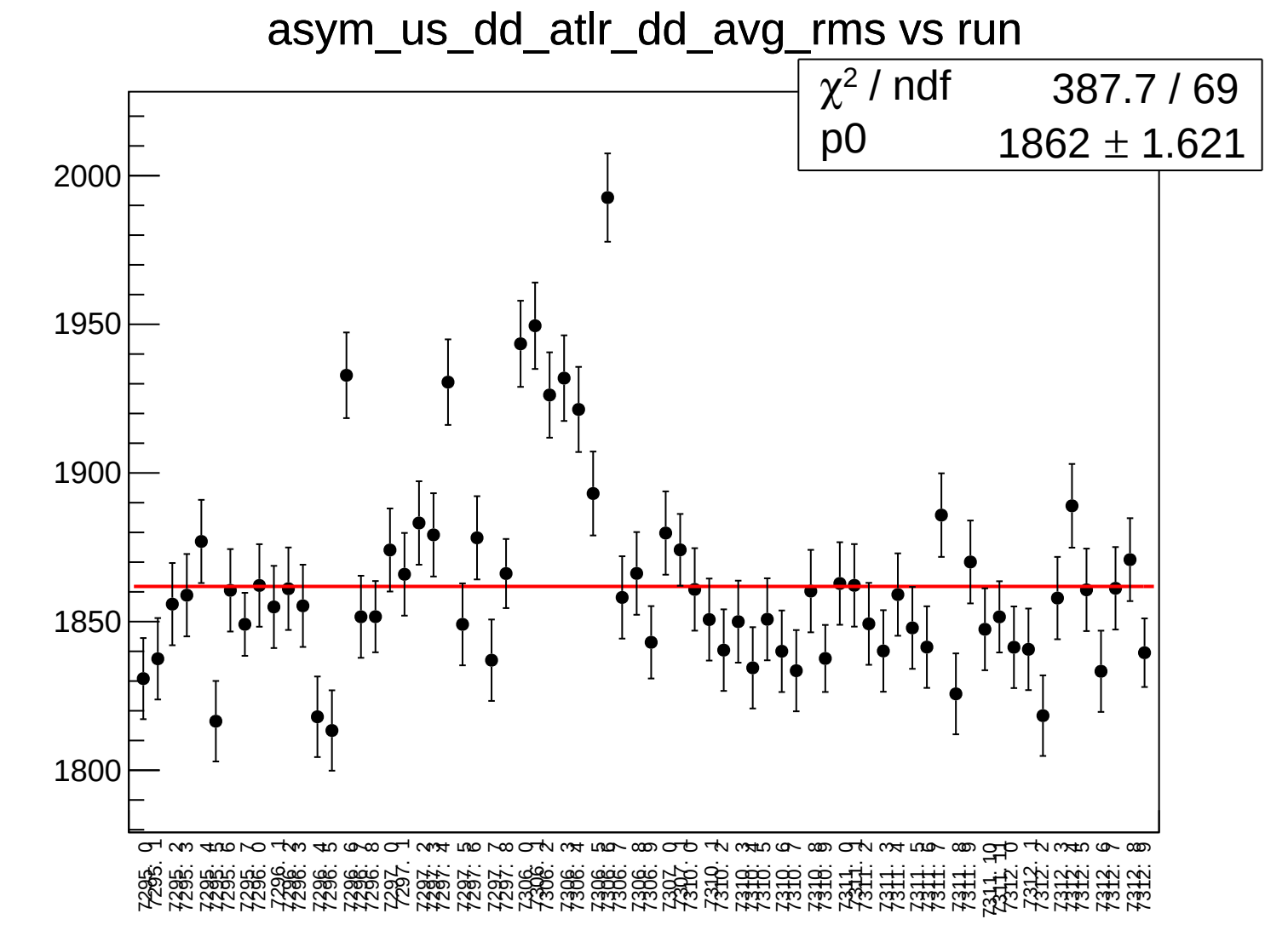

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1209 ± 764.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 372.8
Std Dev 0
2
1
0
−1
−2
−3

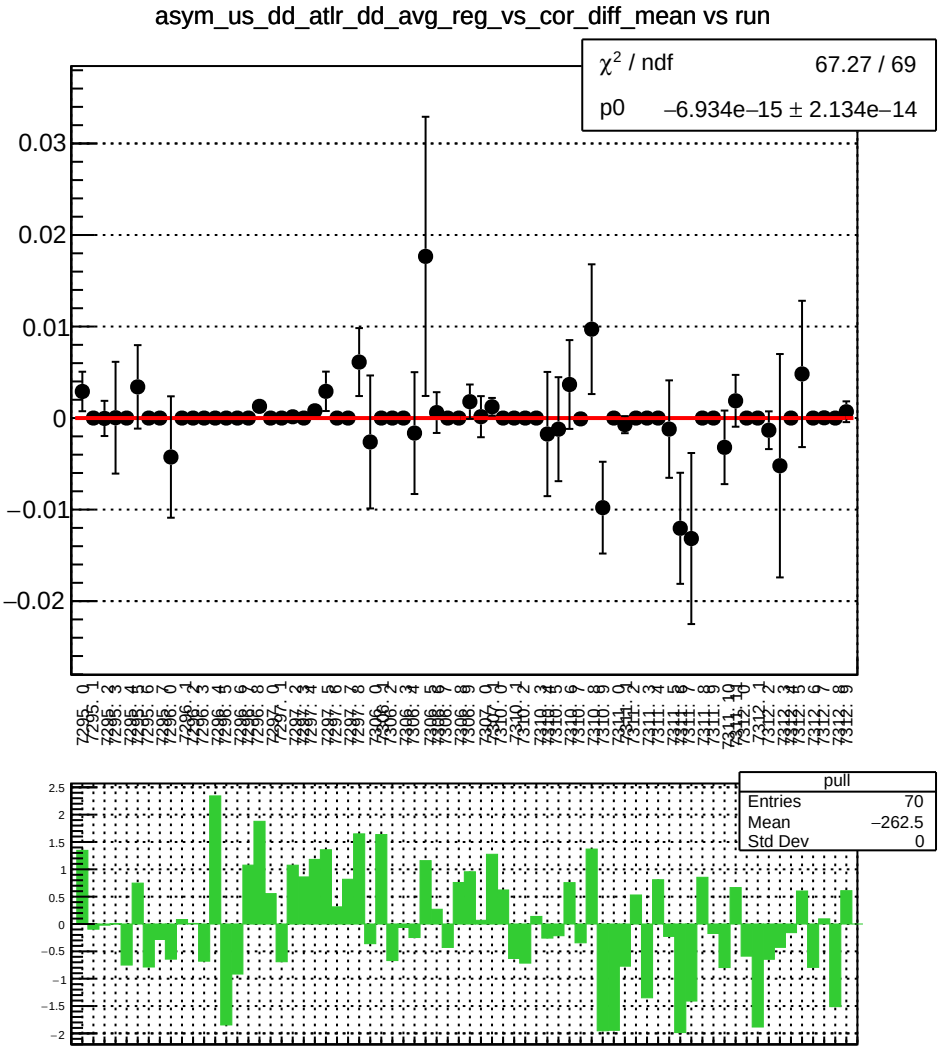

pull1D
Entries 70
Mean −0.00832
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

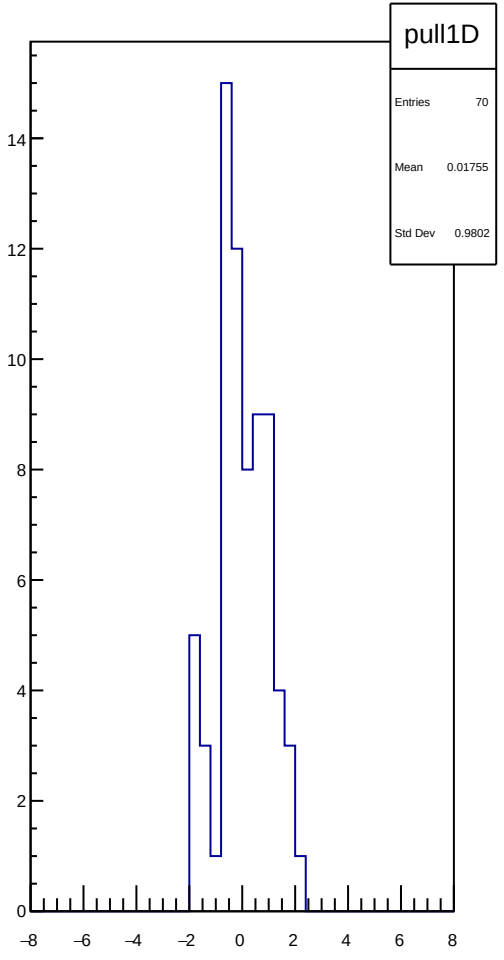

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4167 / 69
p0 620 ± 0.5407
750
700
650
600
550

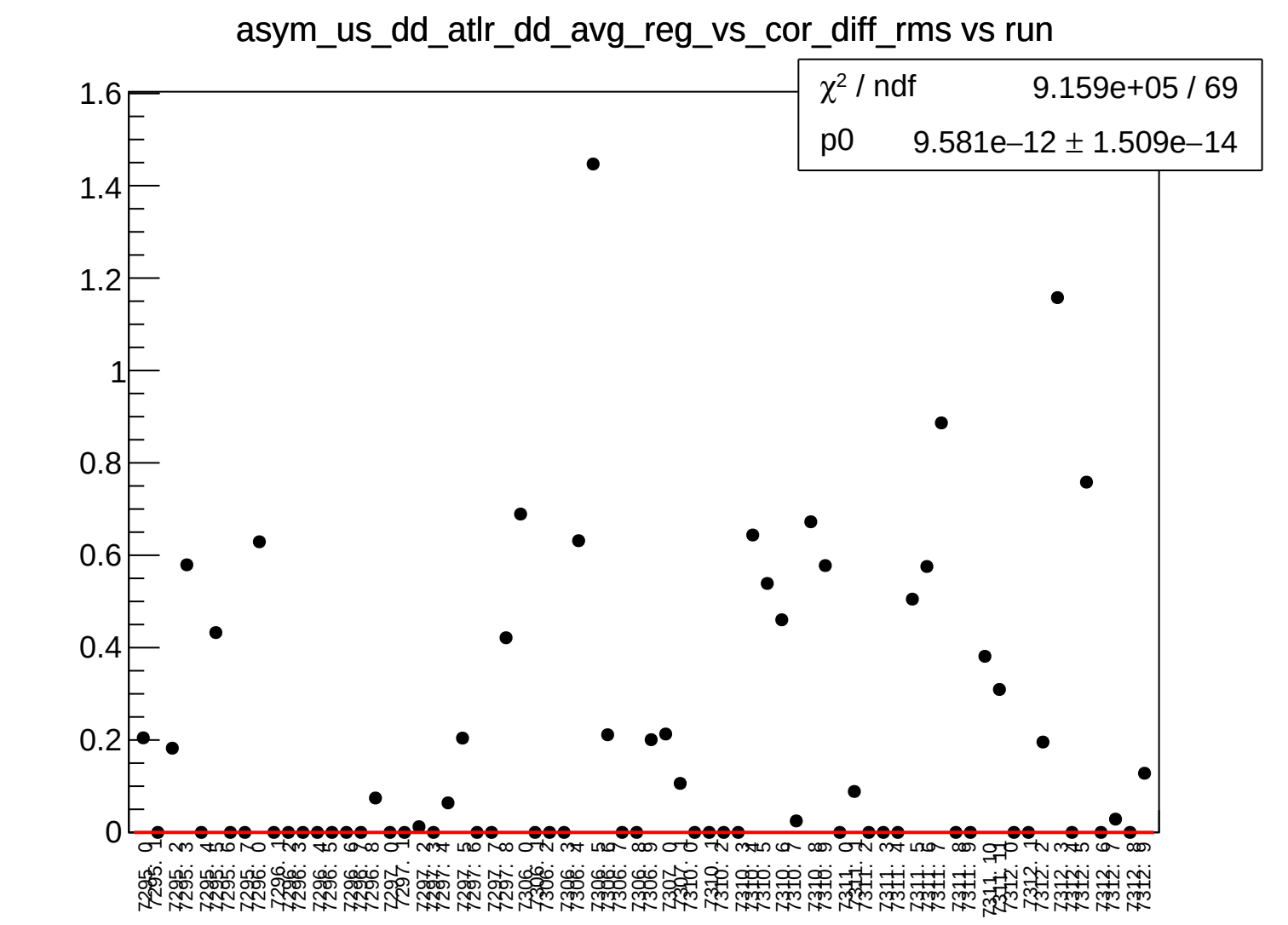

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 79.08 / 69
p0 1748 ± 2293
pull
Entries 70
Mean 243.4
Std Dev 0

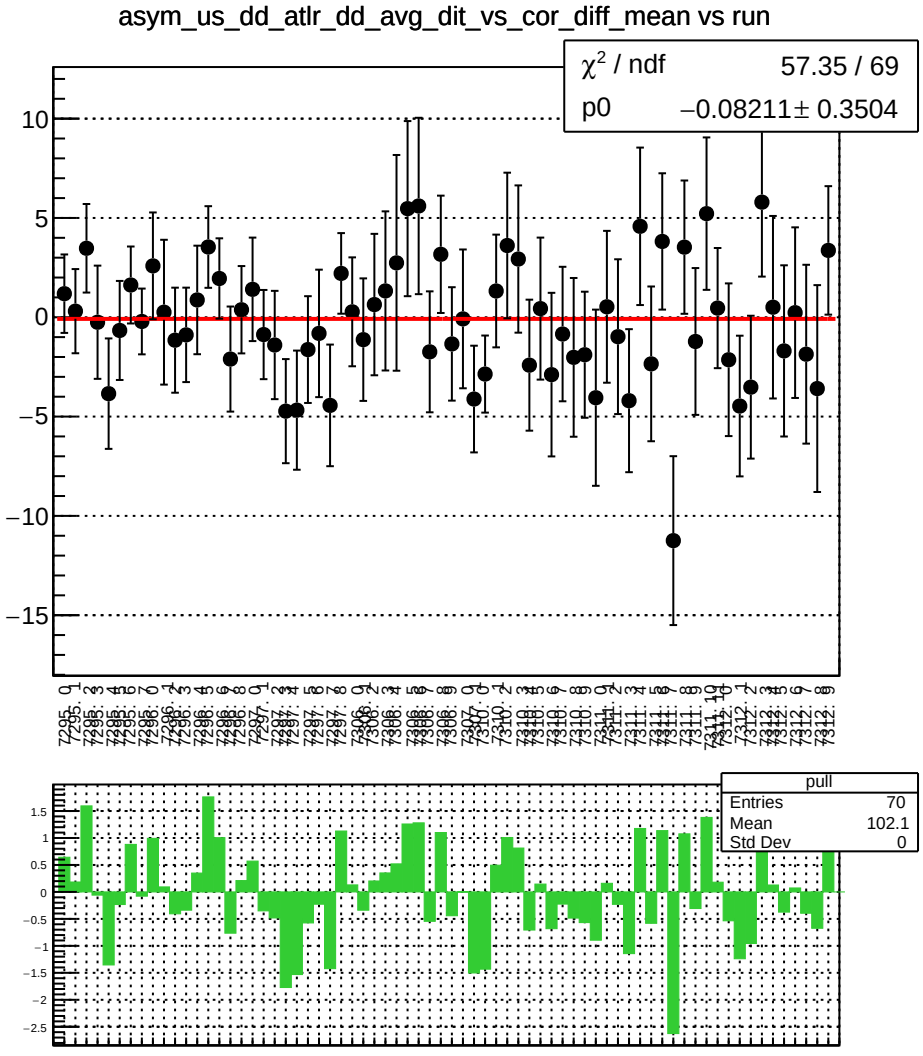

pull1D
Entries 70
Mean 0.0173
Std Dev 1.063

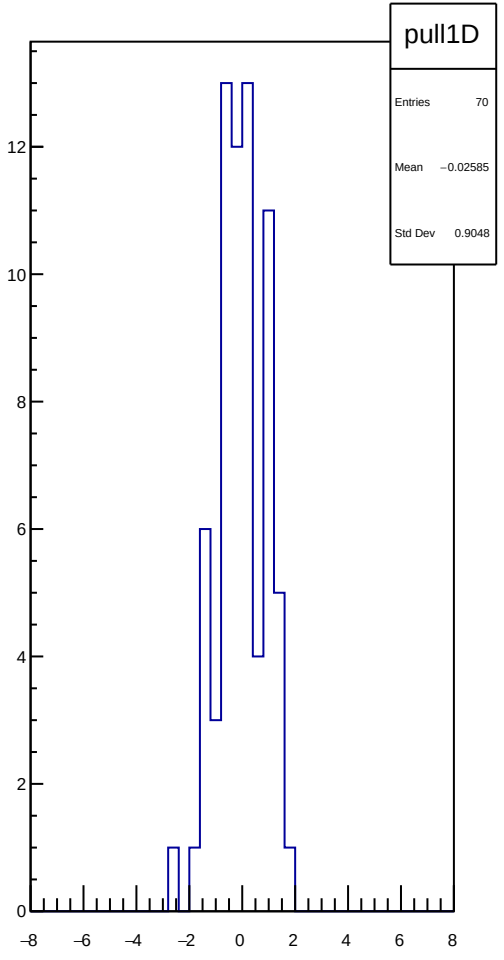

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 387.7 / 69
p0 1862 ± 1.621
2000
1950
1900
1850
1800

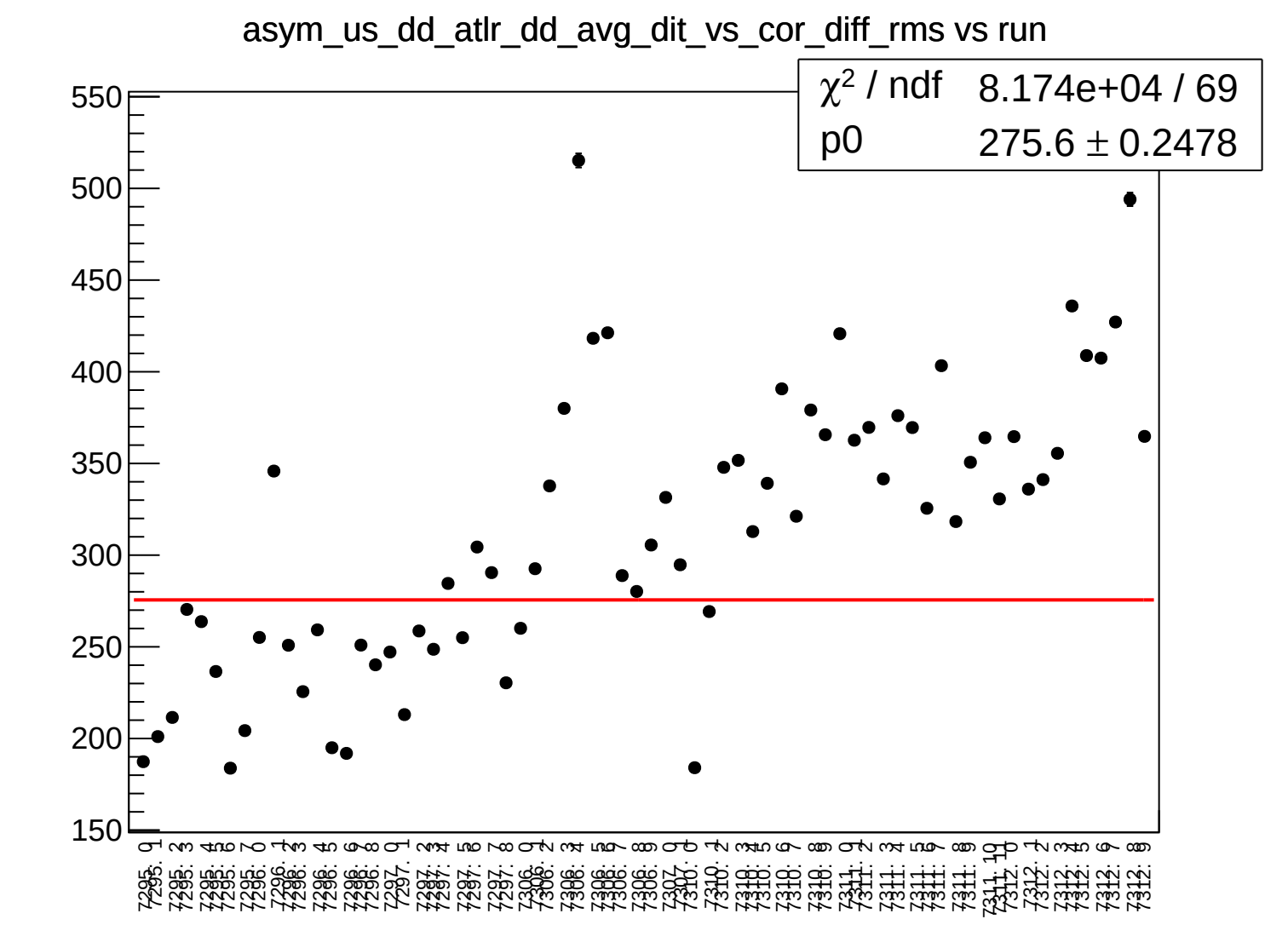

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.27 / 69
p0 −6.934e−15 ± 2.134e−14
pull
Entries 70
Mean −262.5
Std Dev 0

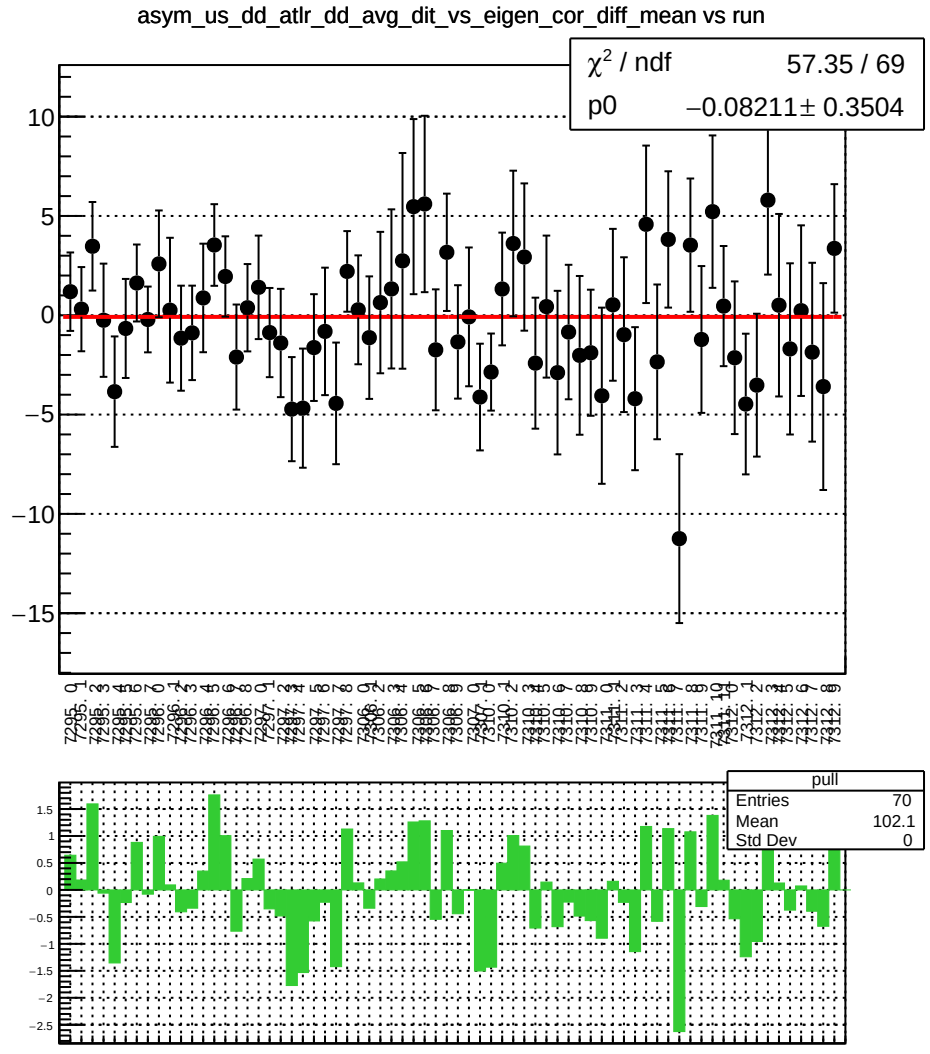

pull1D
Entries 70
Mean 0.01755
Std Dev 0.9802

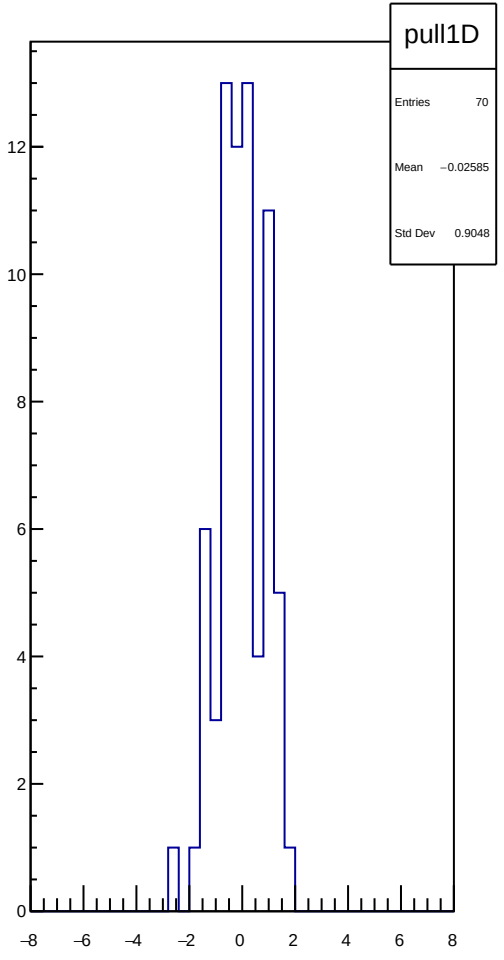

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.159e+05 / 69
p0 9.581e−12 ± 1.509e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

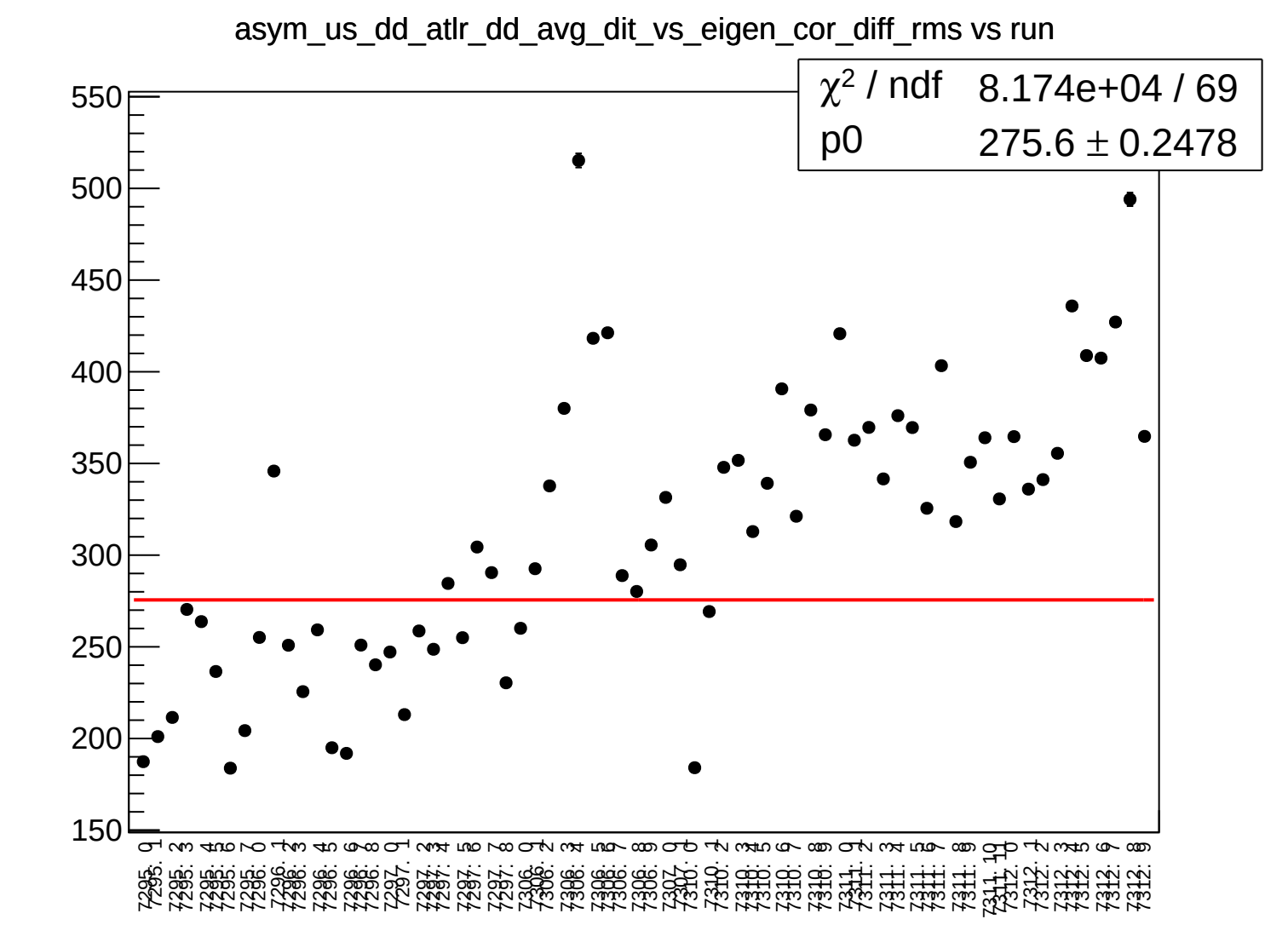

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 69
p0 −0.08211 ± 0.3504
pull
Entries 70
Mean 102.1
Std Dev 0

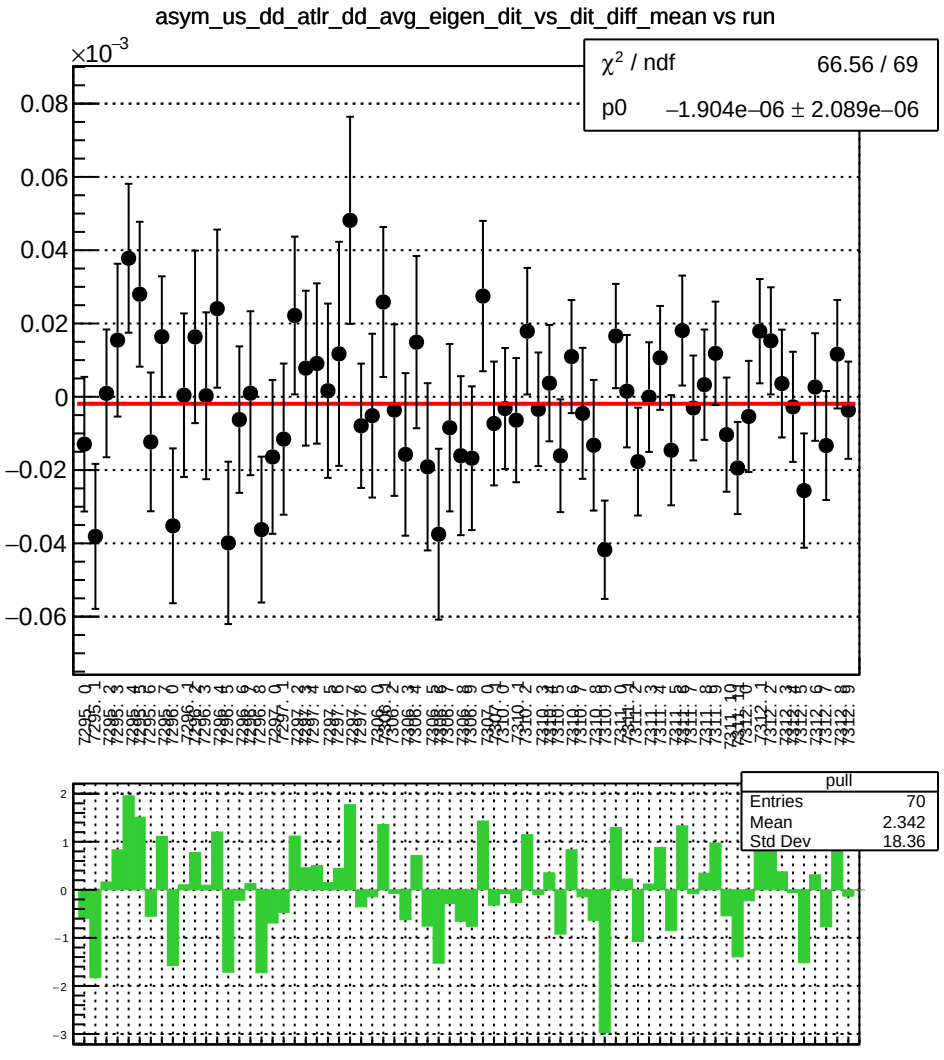

pull1D
Entries 70
Mean −0.02585
Std Dev 0.9048

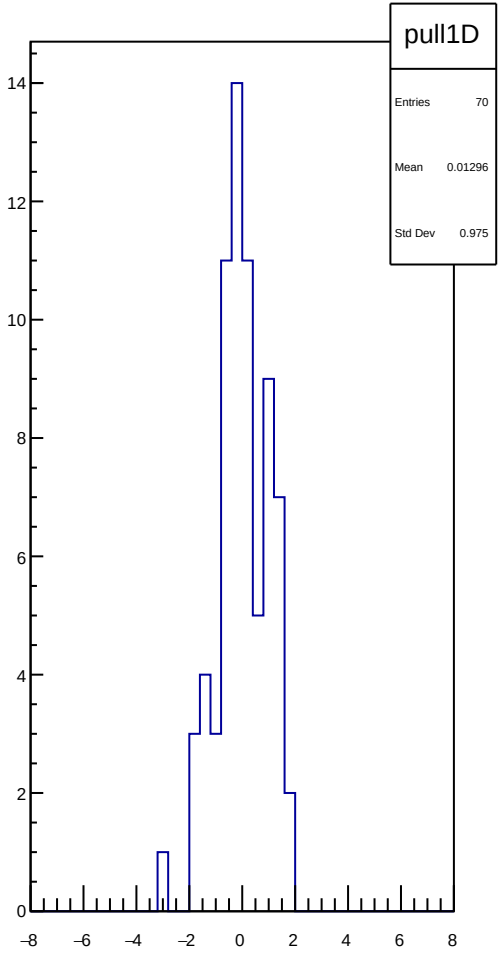

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.174e+04 / 69
p0 275.6 ± 0.2478
550
500
450
400
350
300
250
200
150

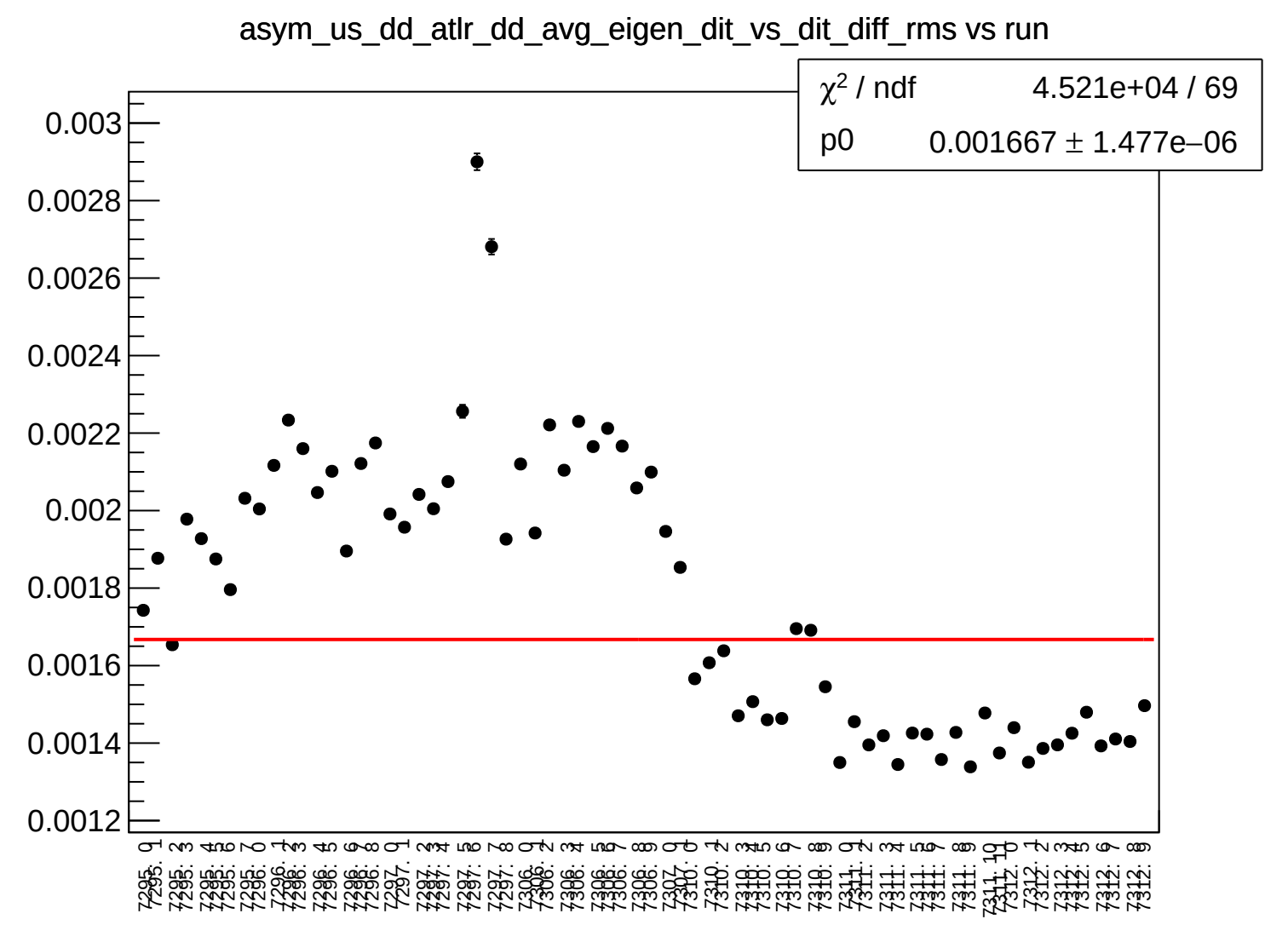

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 69
p0 −0.08211 ± 0.3504
pull
Entries 70
Mean 102.1
Std Dev 0

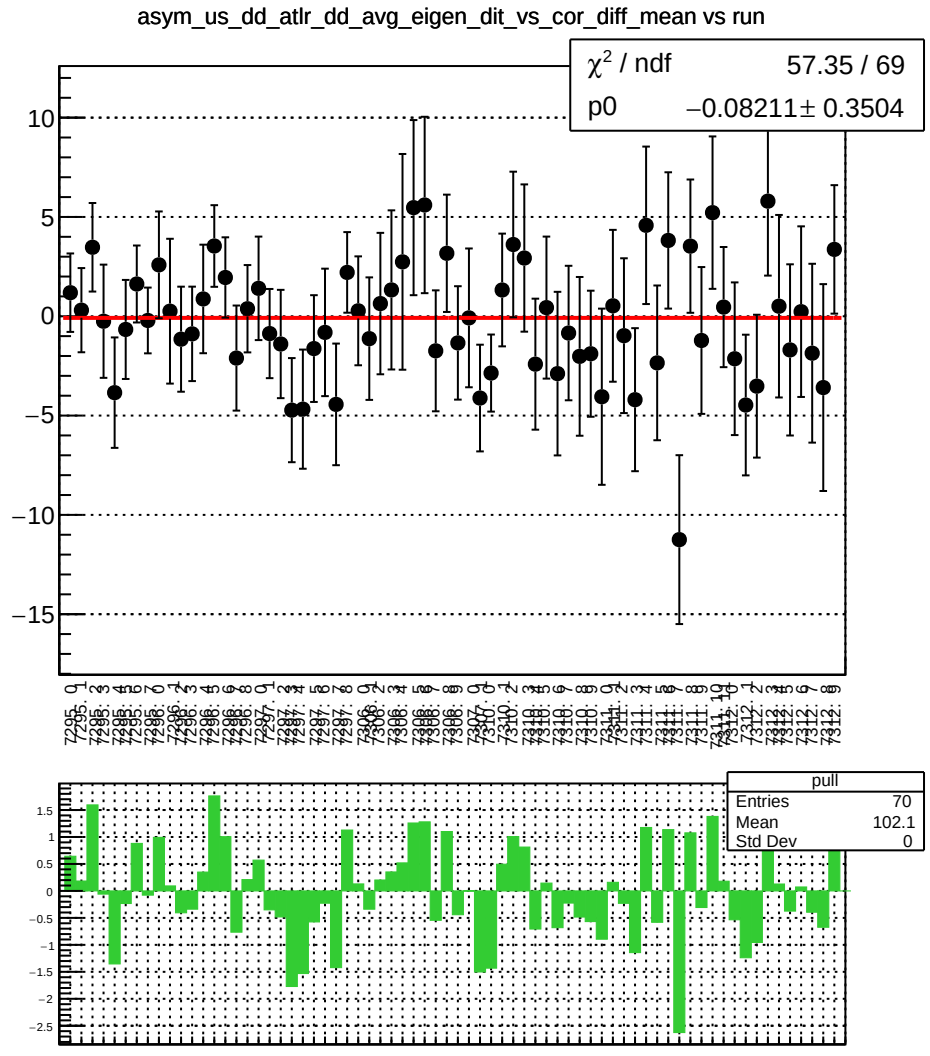

pull1D
Entries 70
Mean −0.02585
Std Dev 0.9048

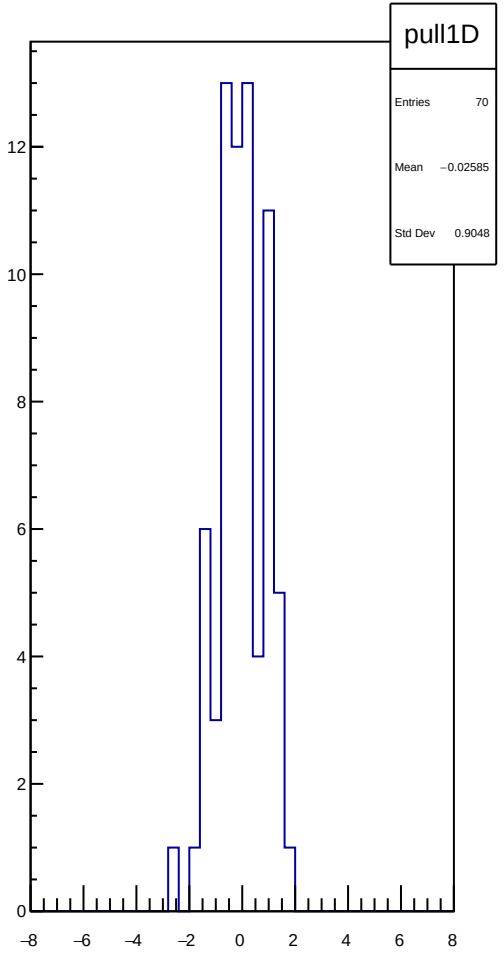

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.174e+04 / 69
p0 275.6 ± 0.2478
550
500
450
400
350
300
250
200
150

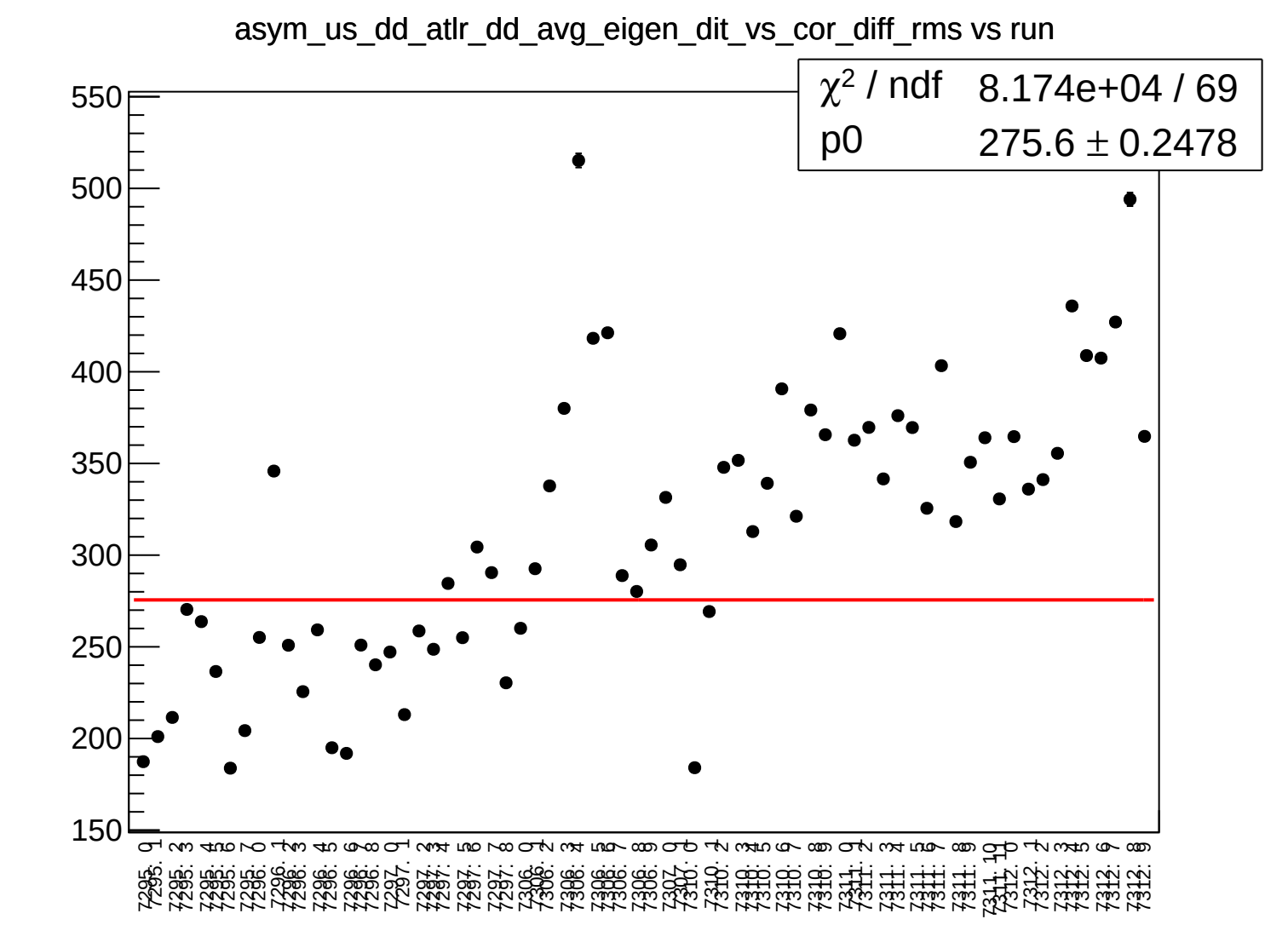

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.56 / 69
p0 −1.904e−06 ± 2.089e−06
pull
Entries 70
Mean 2.342
Std Dev 18.36

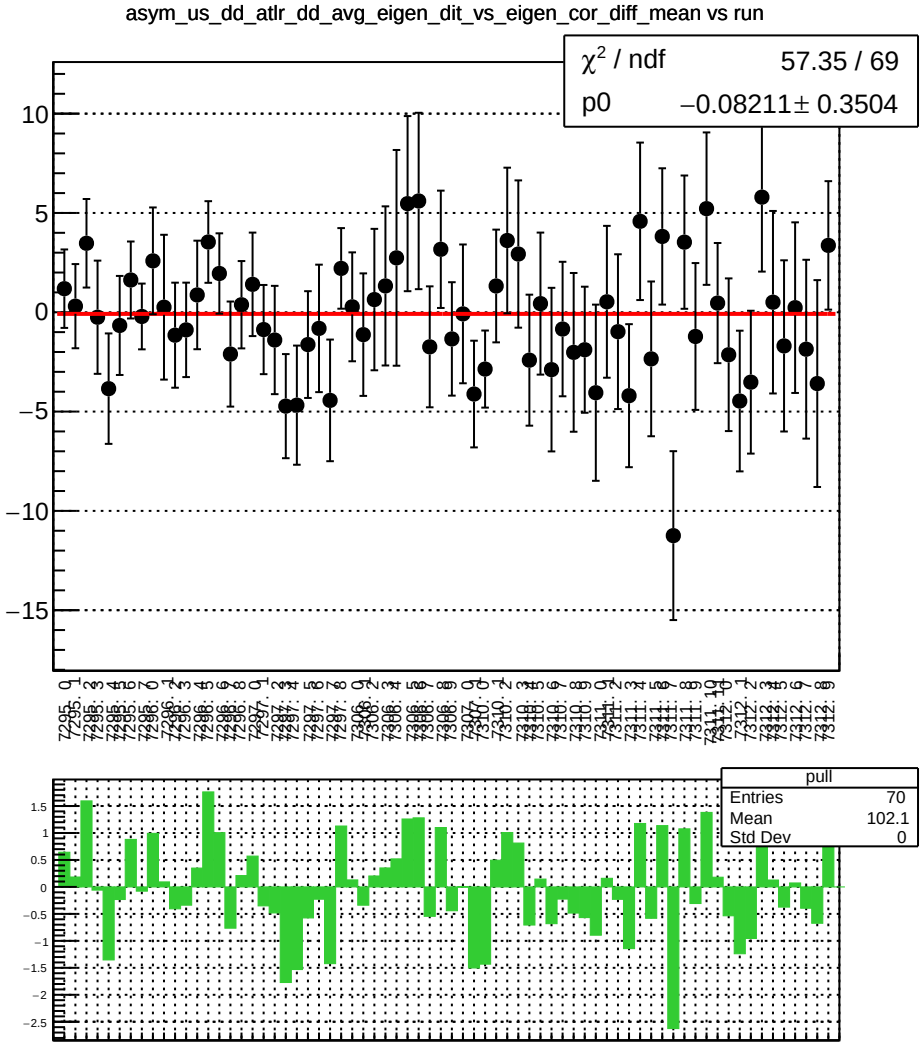

pull1D
Entries 70
Mean 0.01296
Std Dev 0.975

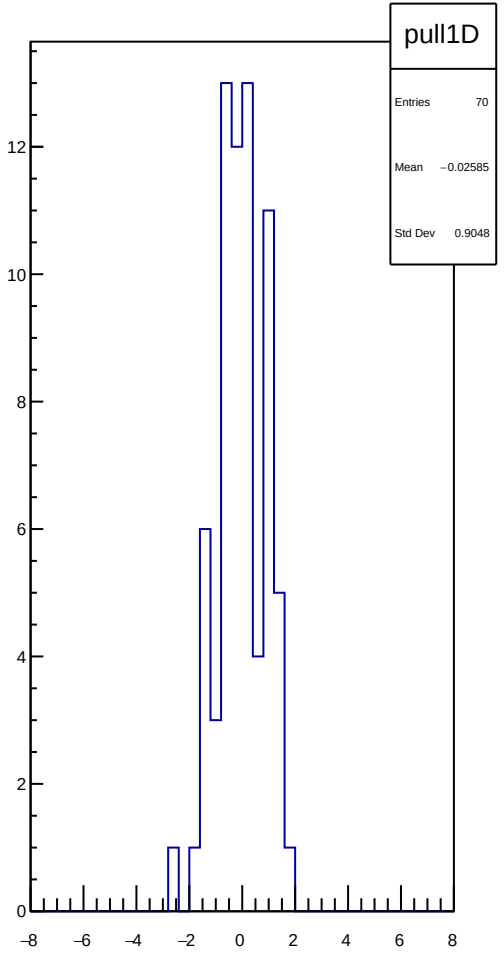

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.521e+04 / 69
p0 0.001667 ± 1.477e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

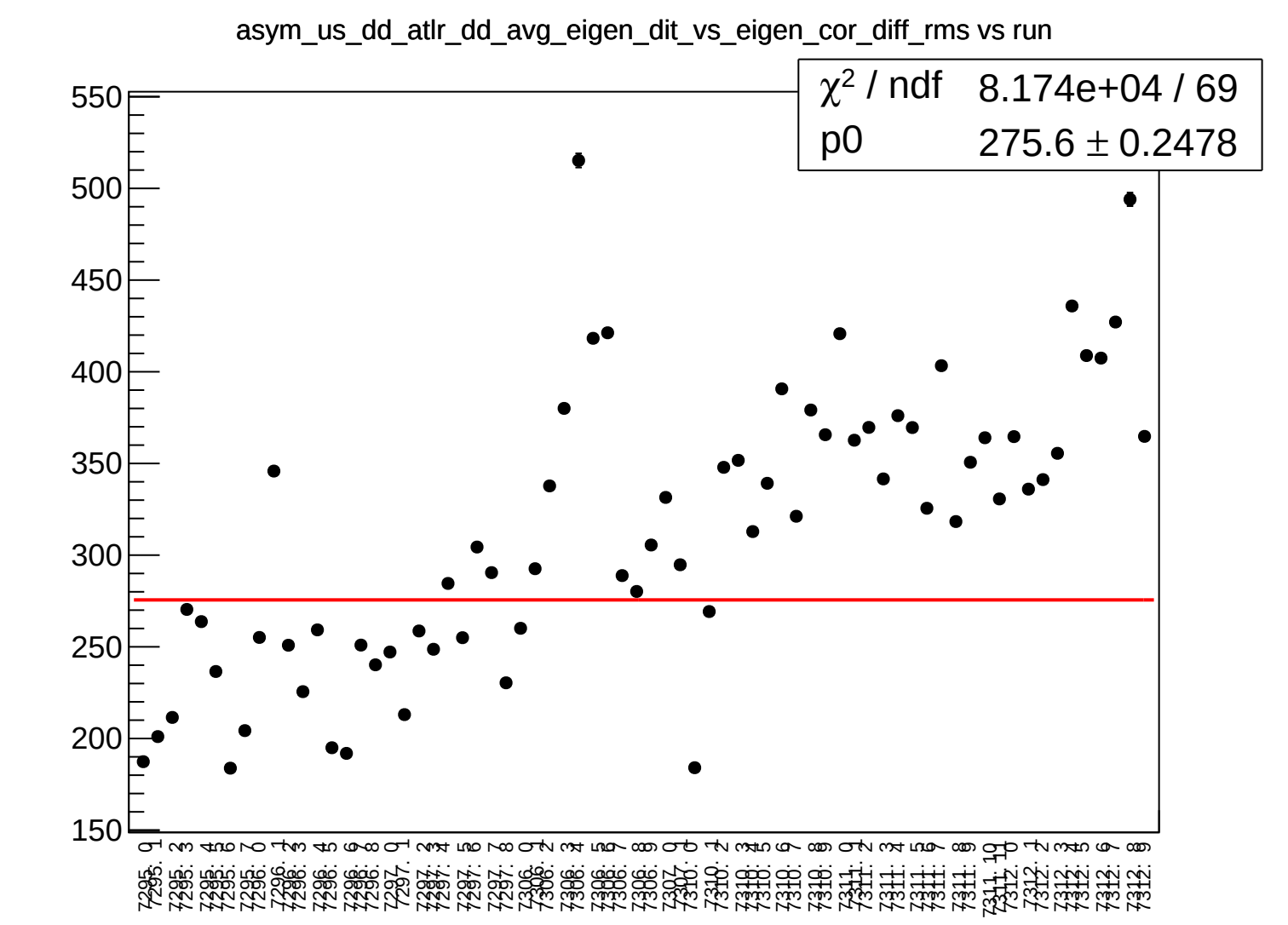

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.35 / 69
p0 −0.08211 ± 0.3504
pull
Entries 70
Mean 102.1
Std Dev 0

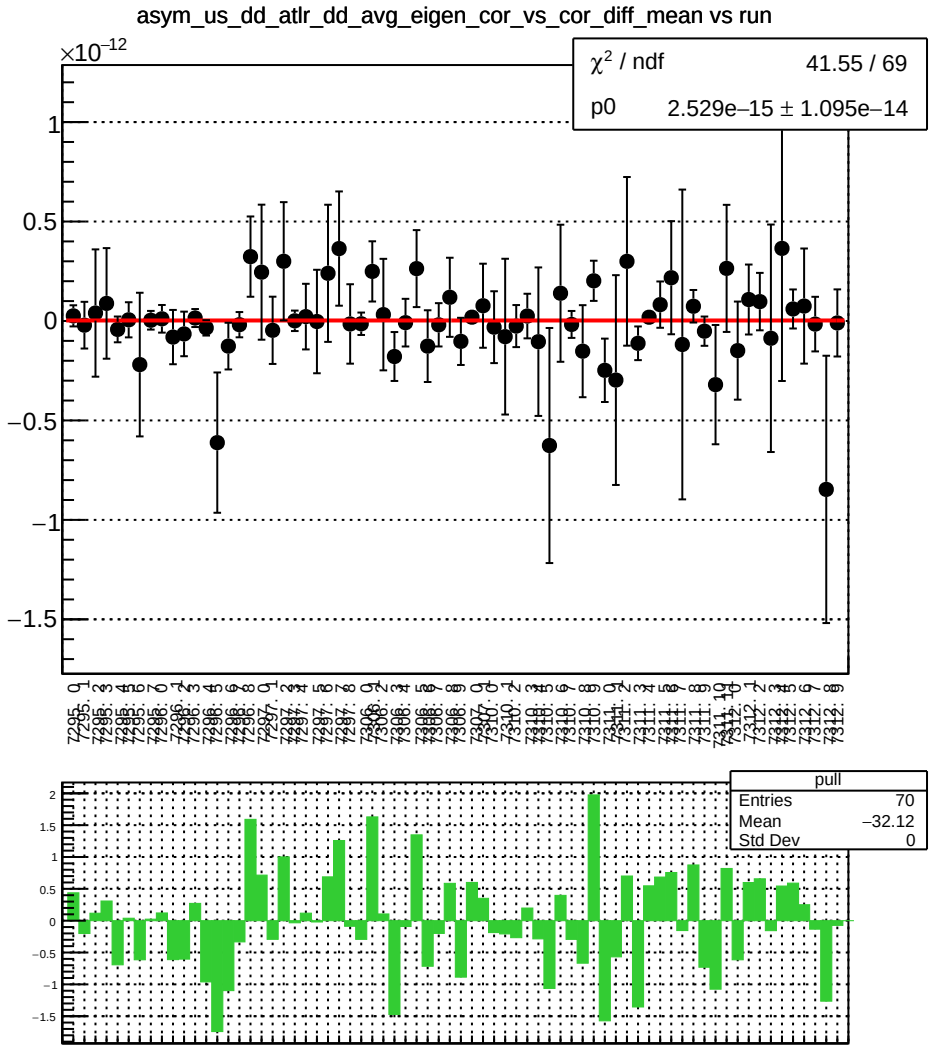

pull1D
Entries 70
Mean −0.02585
Std Dev 0.9048

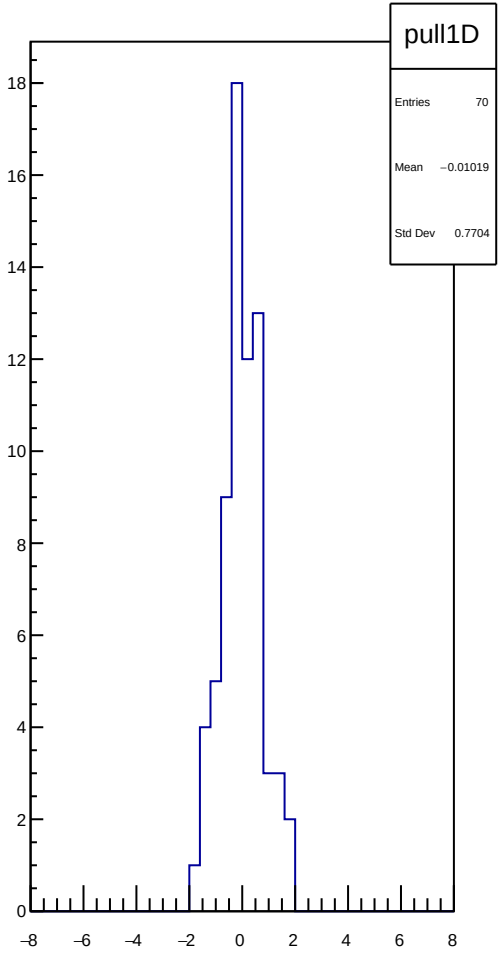

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.174e+04 / 69
p0 275.6 ± 0.2478
550
500
450
400
350
300
250
200
150

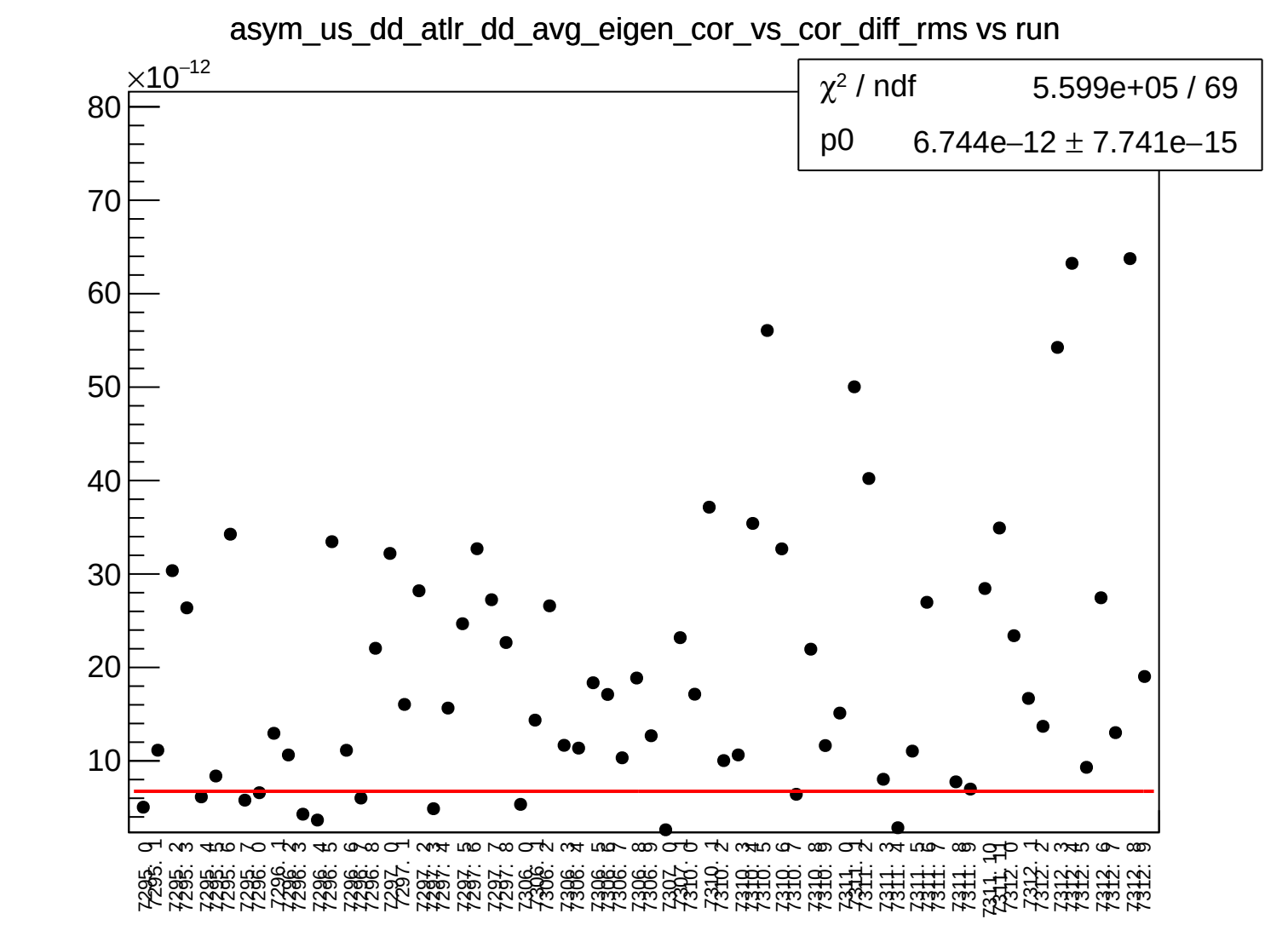

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.35 / 69
p0 −0.08211 ± 0.3504
pull
Entries 70
Mean 102.1
Std Dev 0

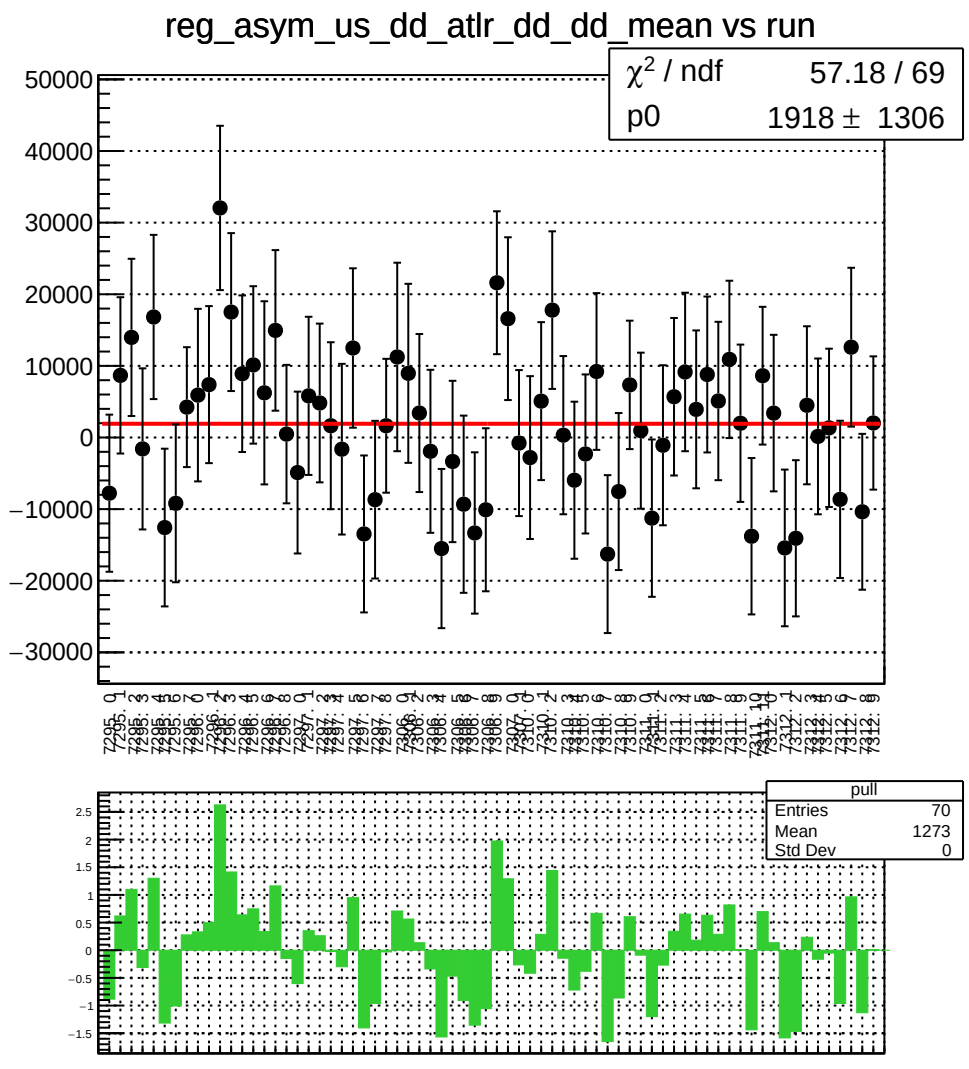

pull1D
Entries 70
Mean −0.02585
Std Dev 0.9048

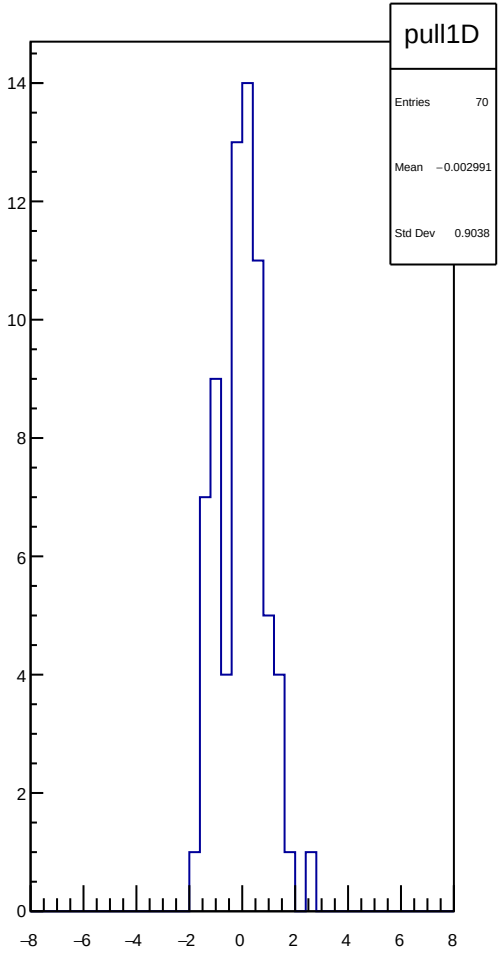

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.174e+04 / 69
p0 275.6 ± 0.2478
550
500
450
400
350
300
250
200
150

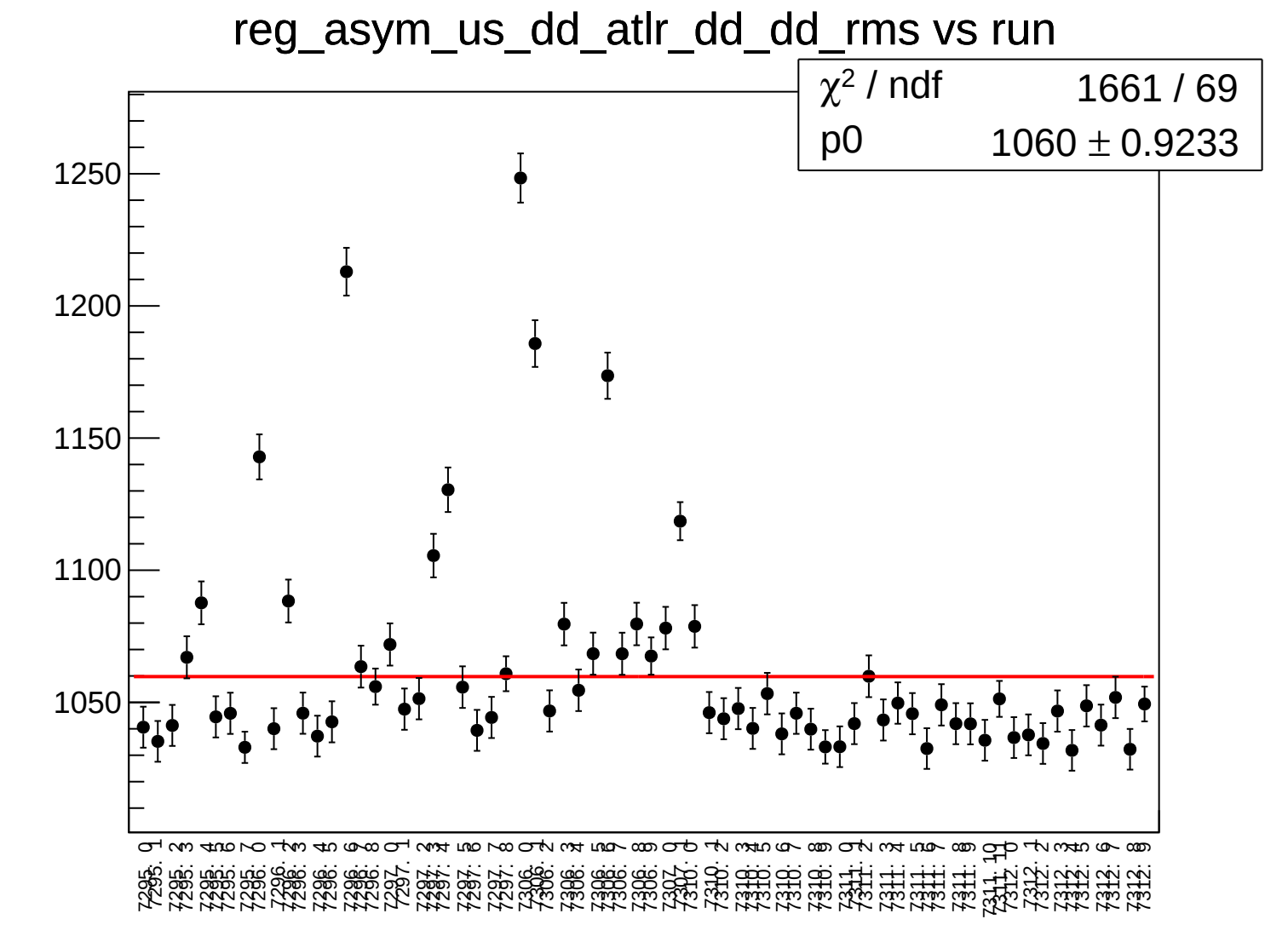

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.55 / 69
p0 2.529e−15 ± 1.095e−14
pull
Entries 70
Mean −32.12
Std Dev 0

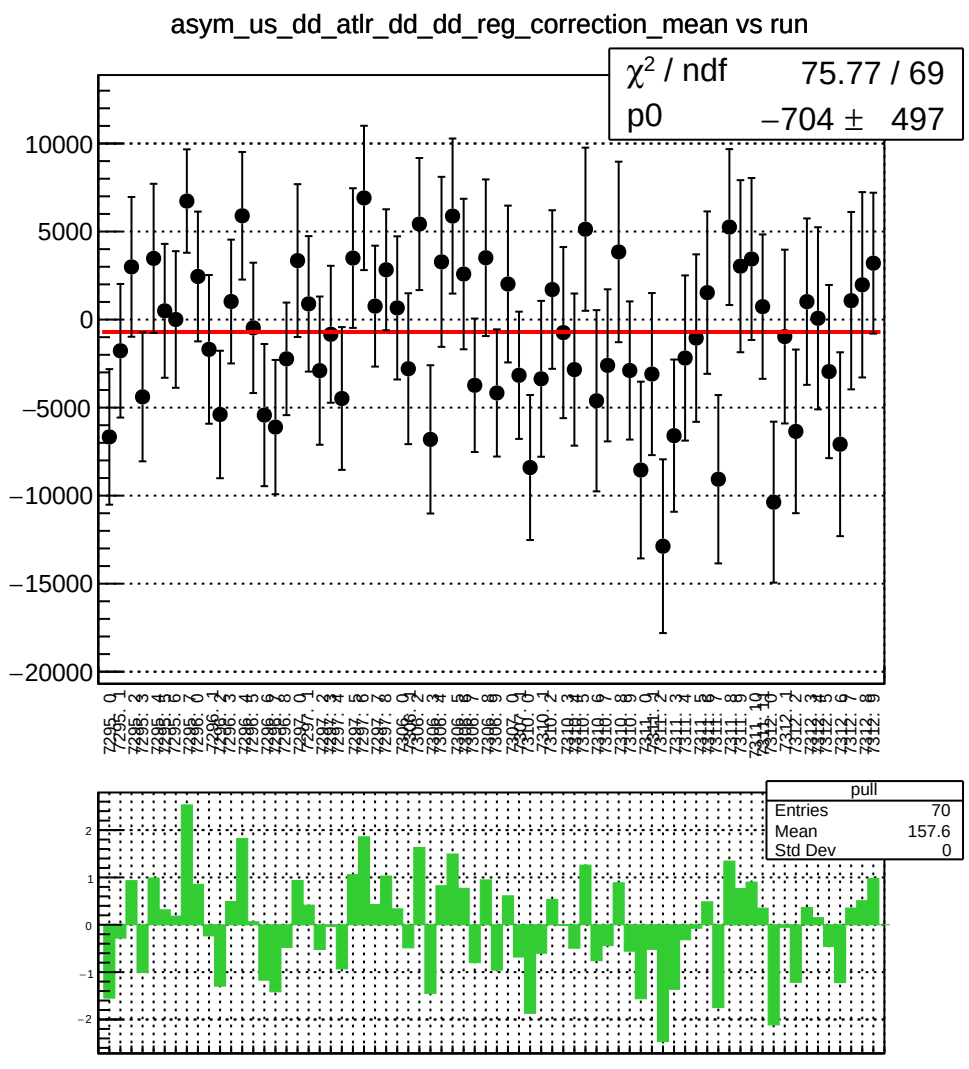

pull1D
Entries 70
Mean −0.01019
Std Dev 0.7704

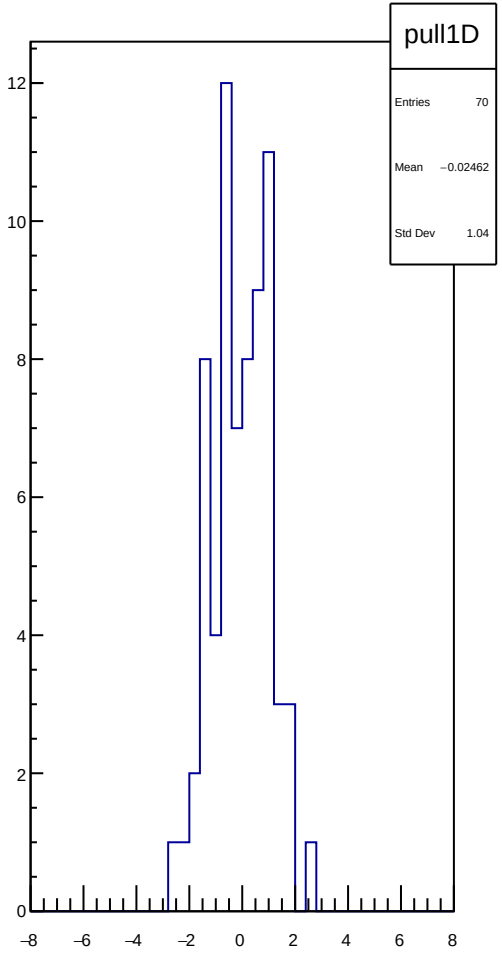

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.599e+05 / 69
p0 6.744e−12 ± 7.741e−15
80
70
60
50
40
30
20
10

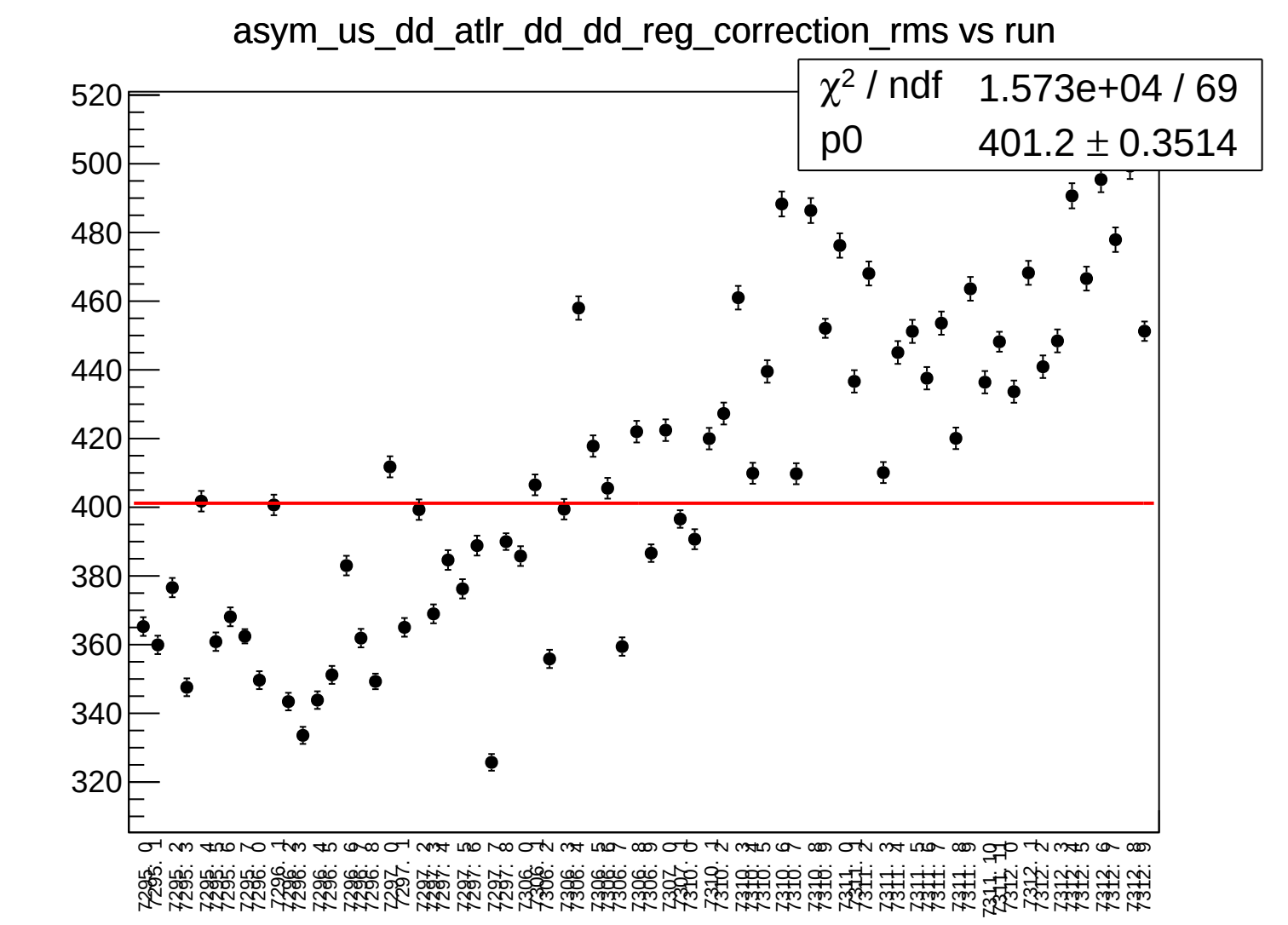

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ^2 / ndf 57.18 / 69
p0 1918 ± 1306
pull
Entries 70
Mean 1273
Std Dev 0

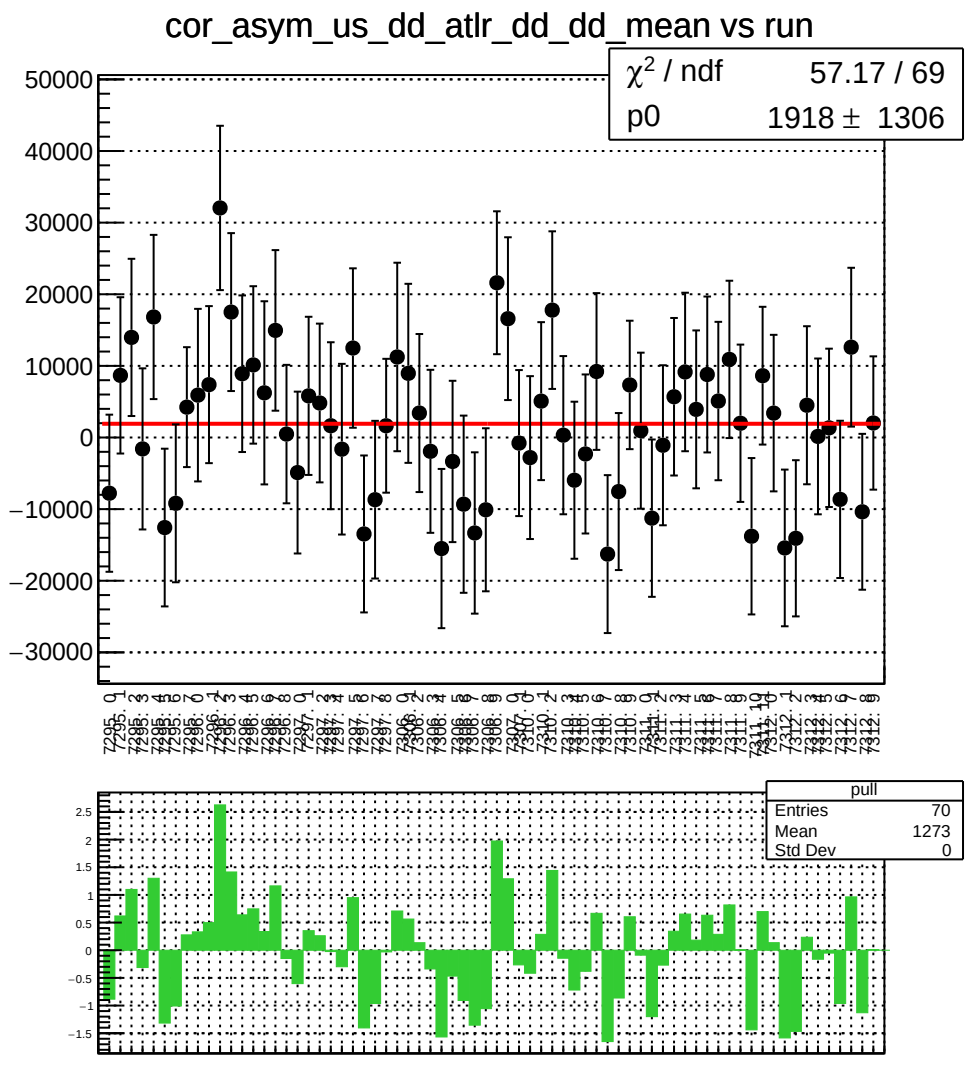

pull1D
Entries 70
Mean −0.002991
Std Dev 0.9038

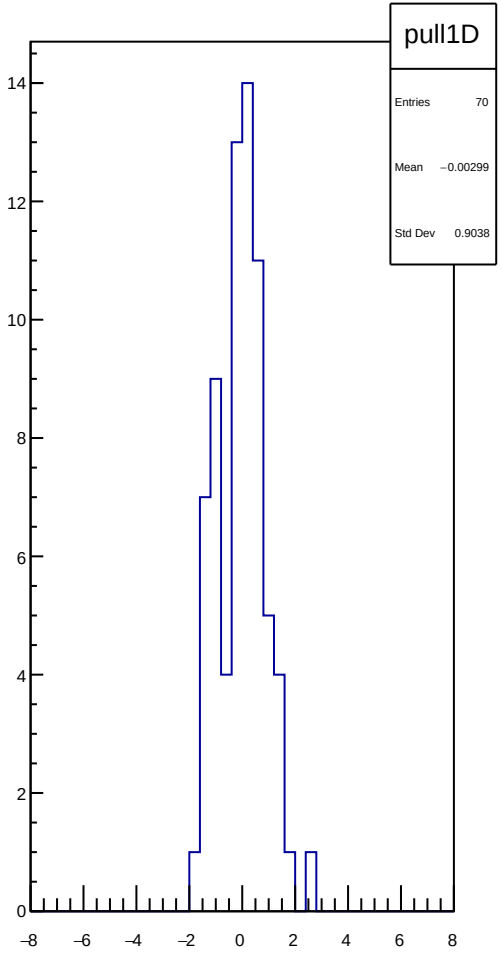

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1661 / 69
p0 1060 ± 0.9233
1250
1200
1150
1100
1050

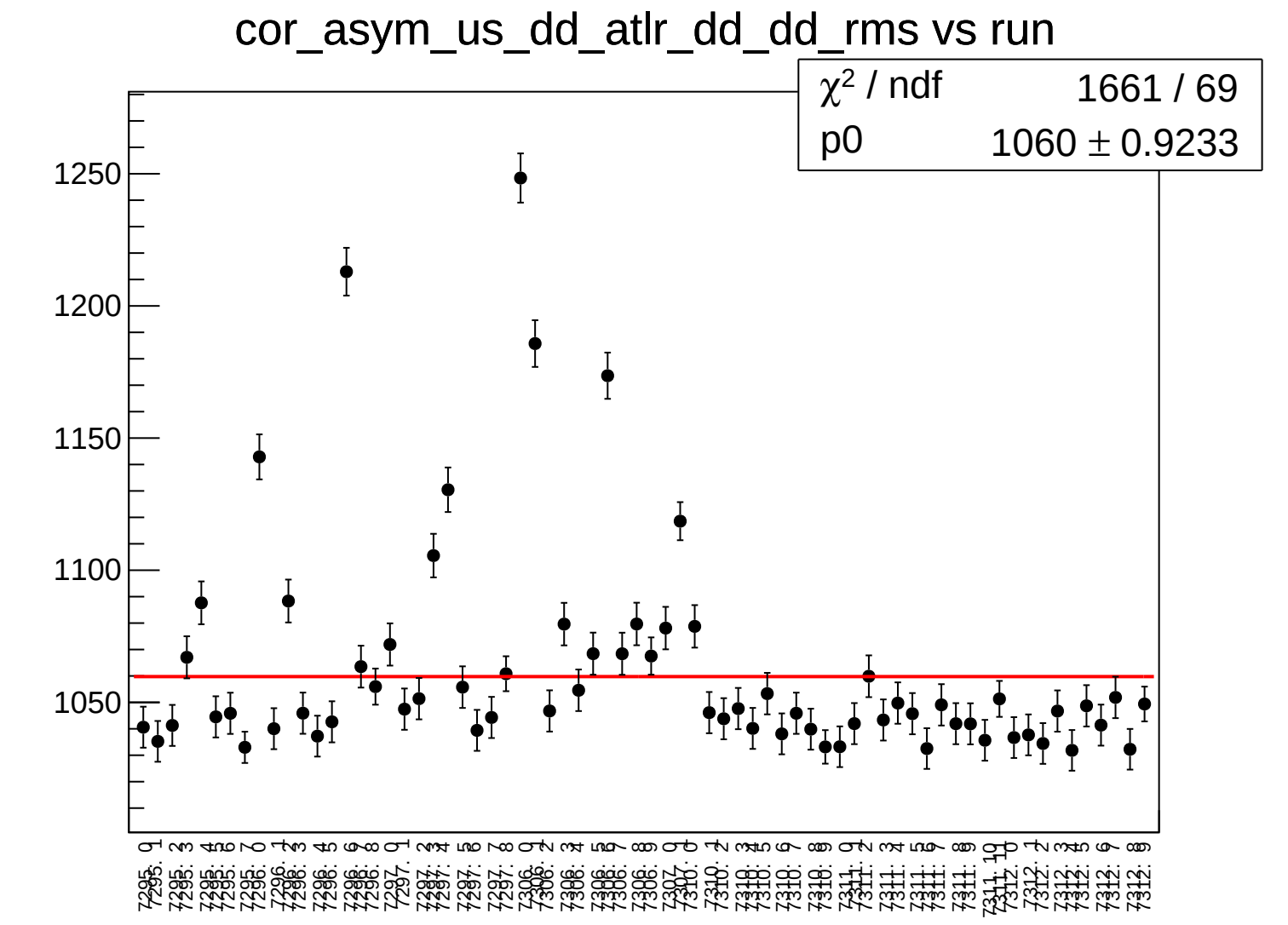

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 75.77 / 69
p0 −704 ± 497
pull
Entries 70
Mean 157.6
Std Dev 0

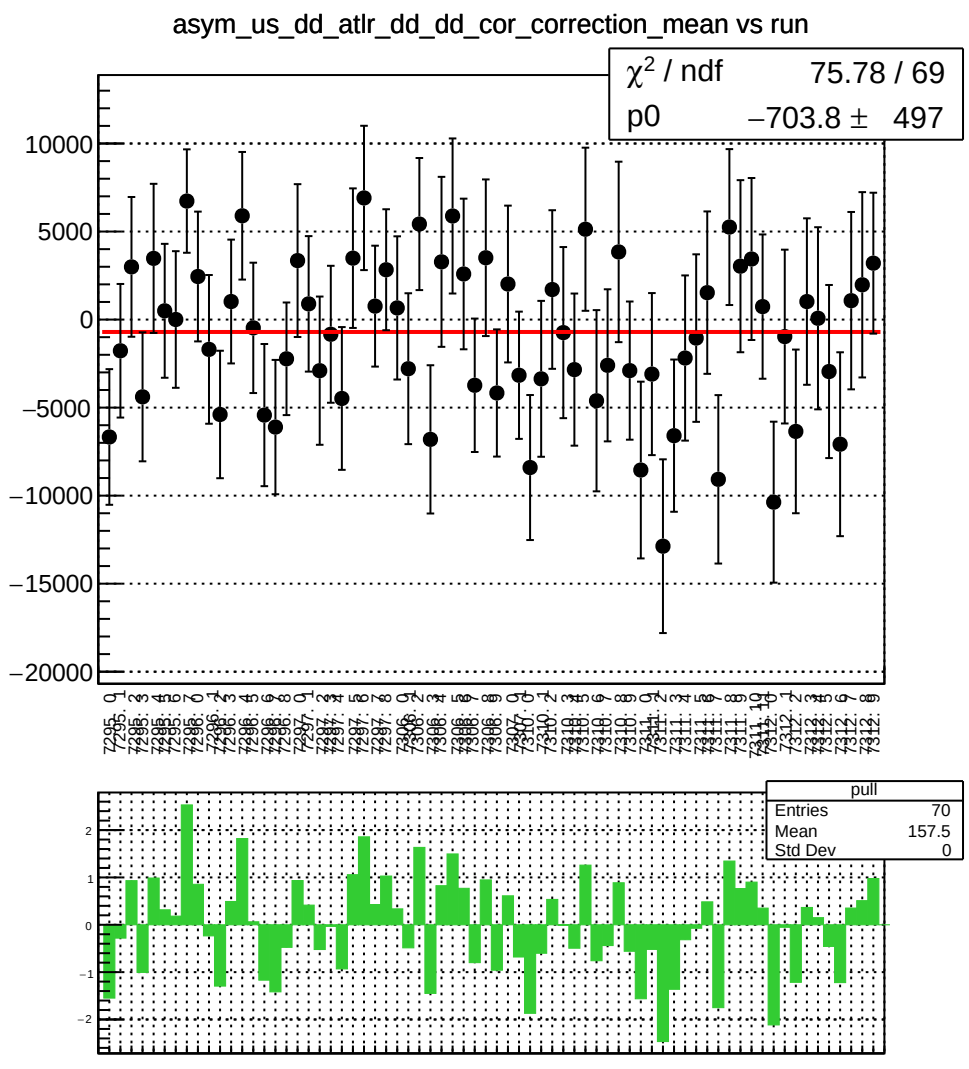

pull1D
Entries 70
Mean −0.02462
Std Dev 1.04

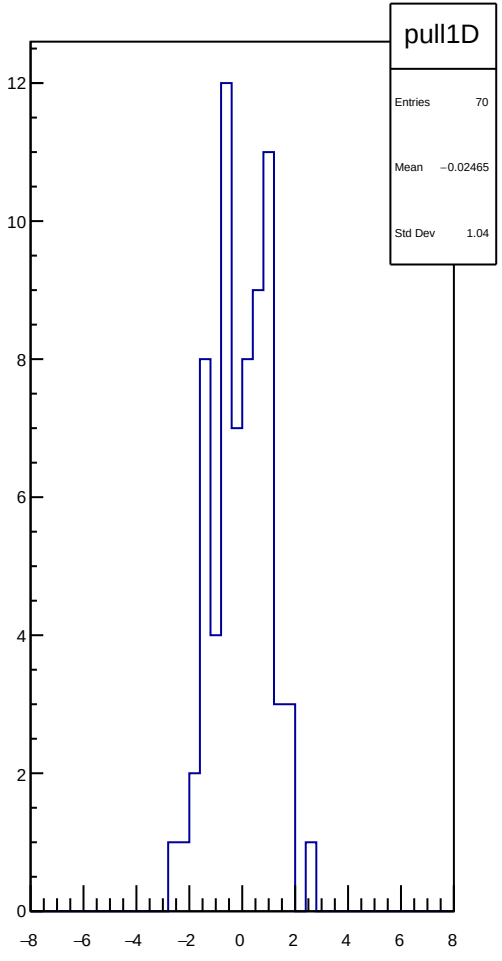

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.573e+04 / 69
p0 401.2 ± 0.3514
520
500
480
460
440
420
400
380
360
340
320

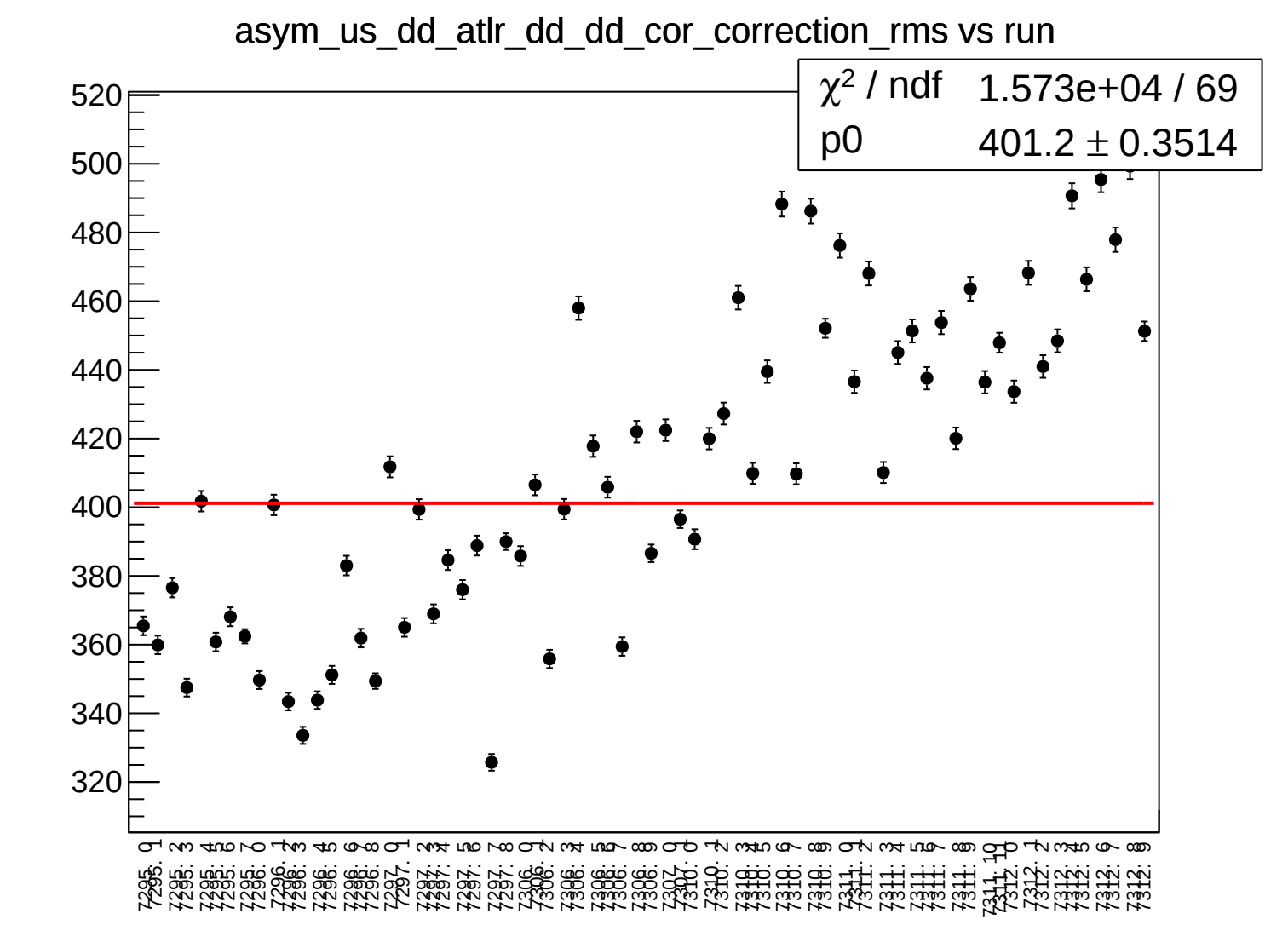

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 57.17 / 69
p0 1918 ± 1306
pull
Entries 70
Mean 1273
Std Dev 0

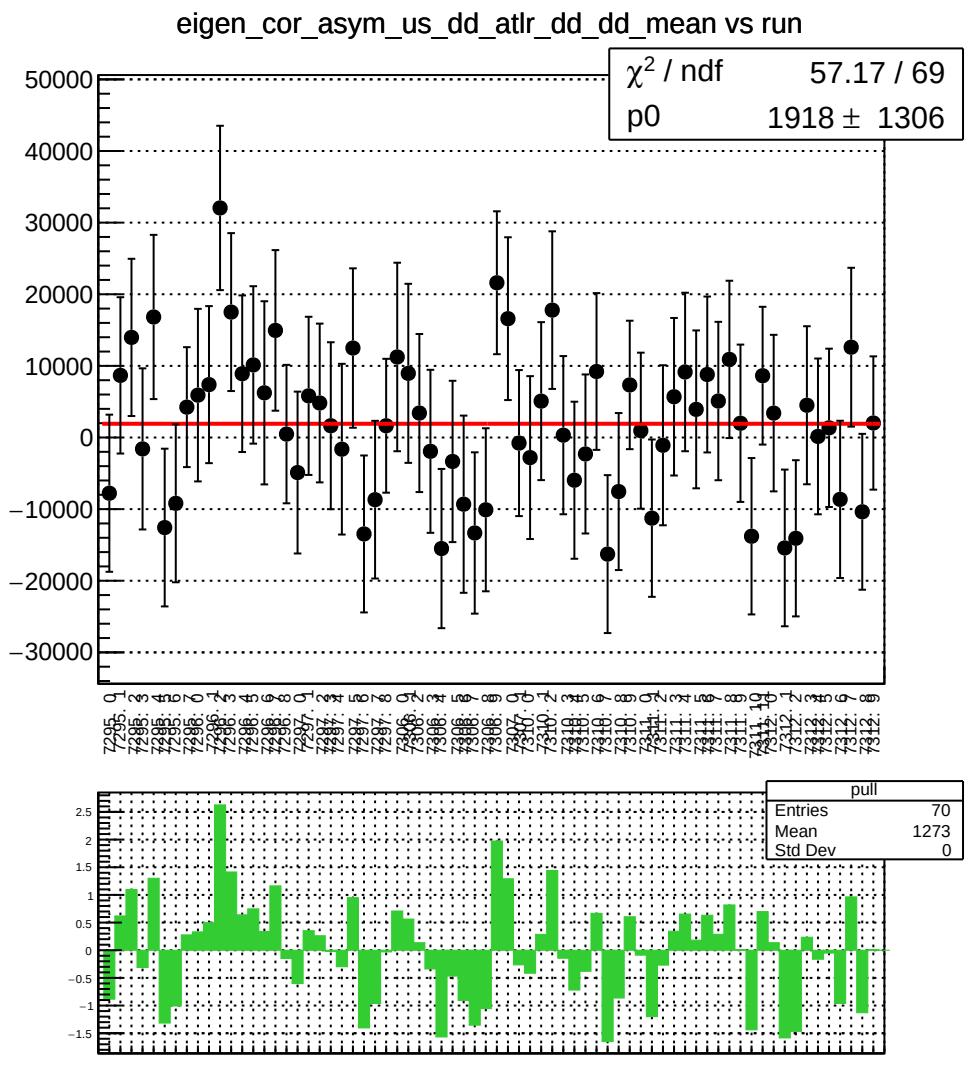

pull1D
Entries 70
Mean −0.00299
Std Dev 0.9038

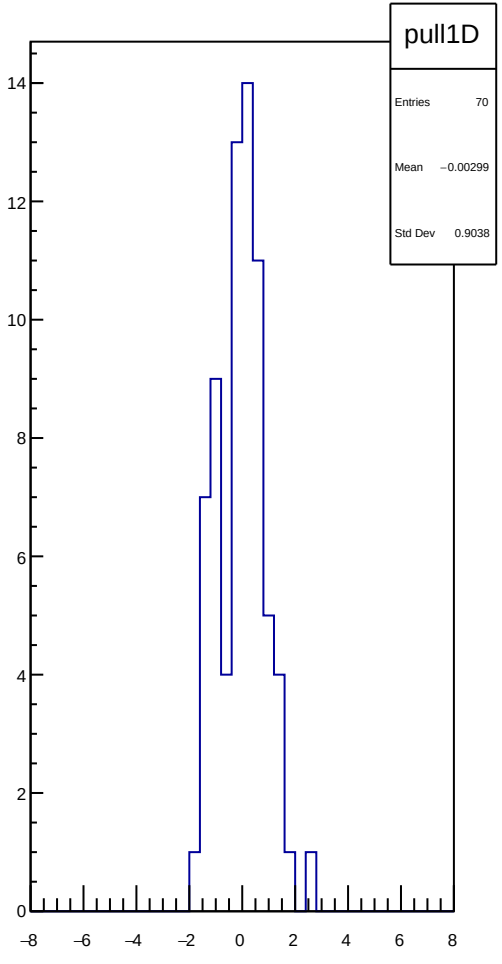

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1661 / 69
p0 1060 ± 0.9233
1250
1200
1150
1100
1050

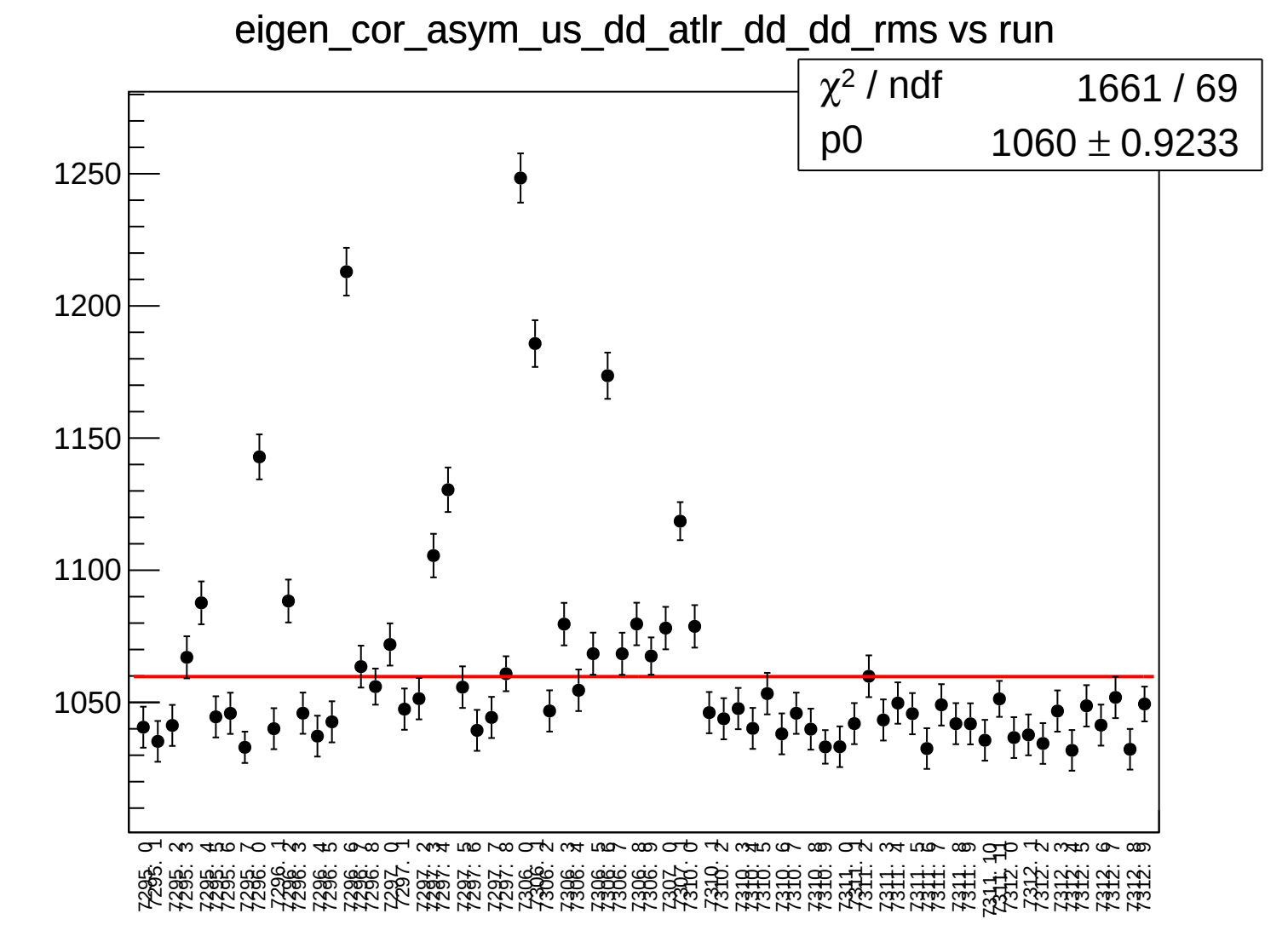

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 75.78 / 69
p0 −703.8 ± 497
pull
Entries 70
Mean 157.5
Std Dev 0

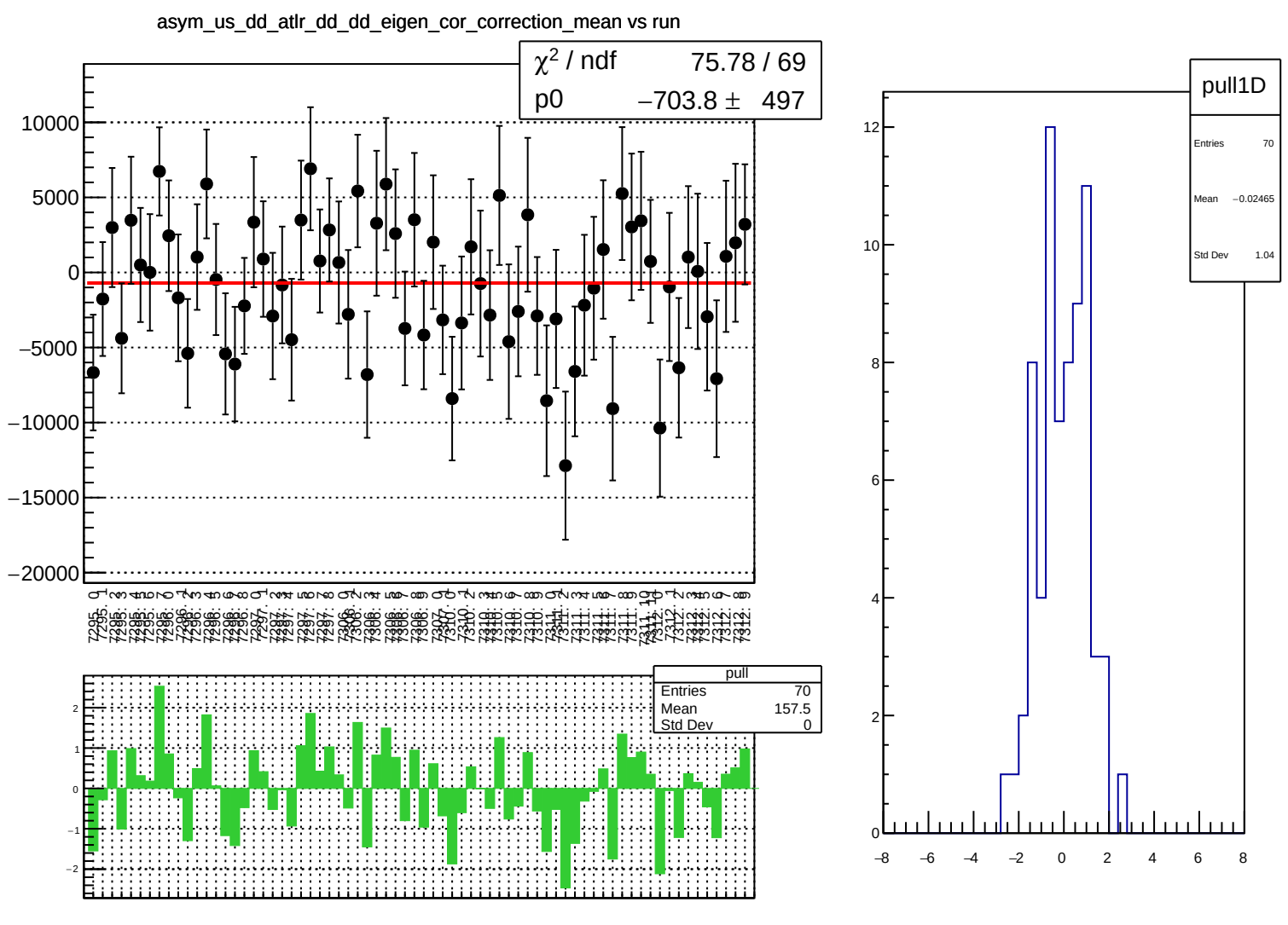

pull1D
Entries 70
Mean −0.02465
Std Dev 1.04

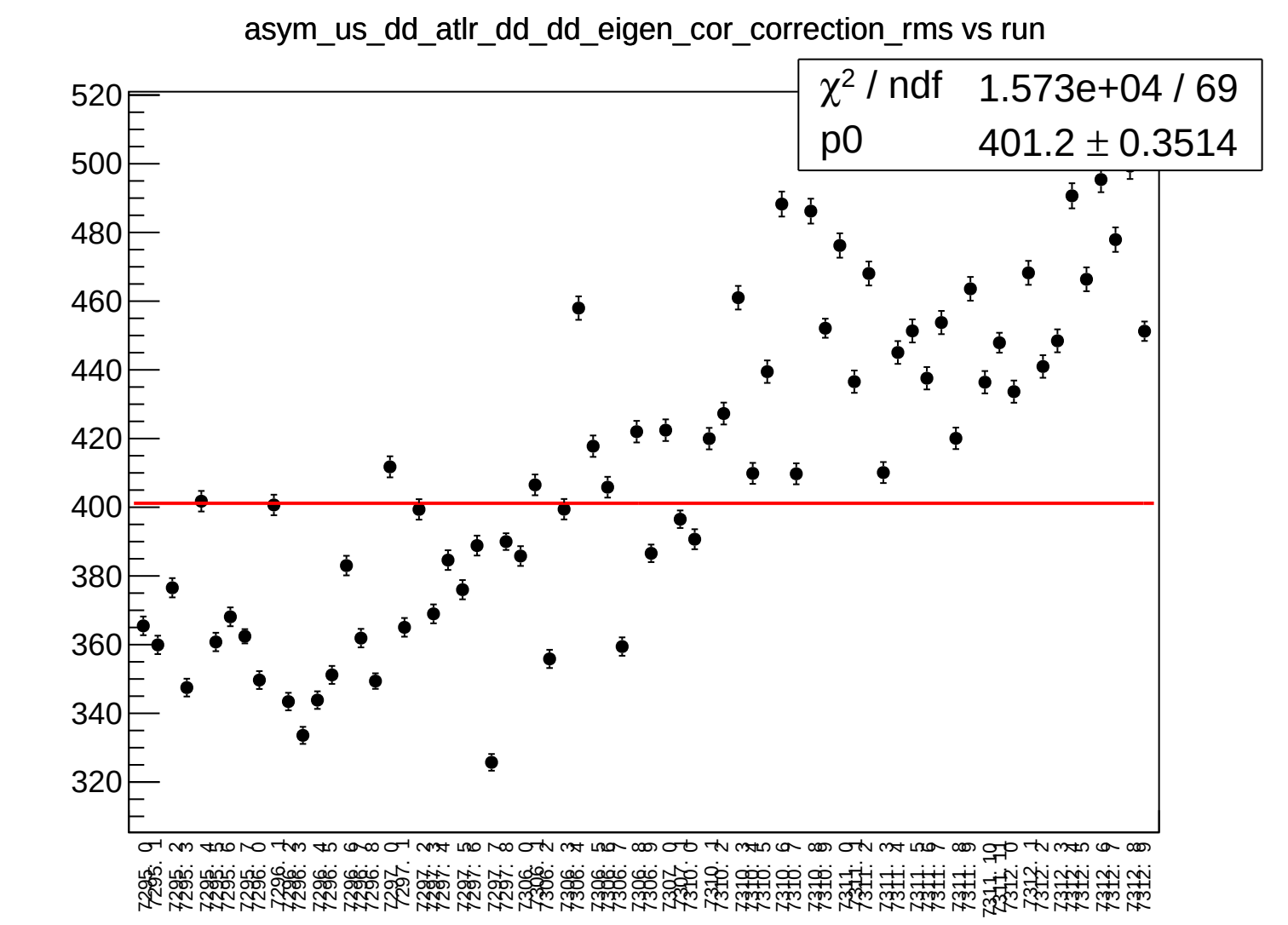

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.573e+04 / 69
p0 401.2 ± 0.3514
520
500
480
460
440
420
400
380
360
340
320

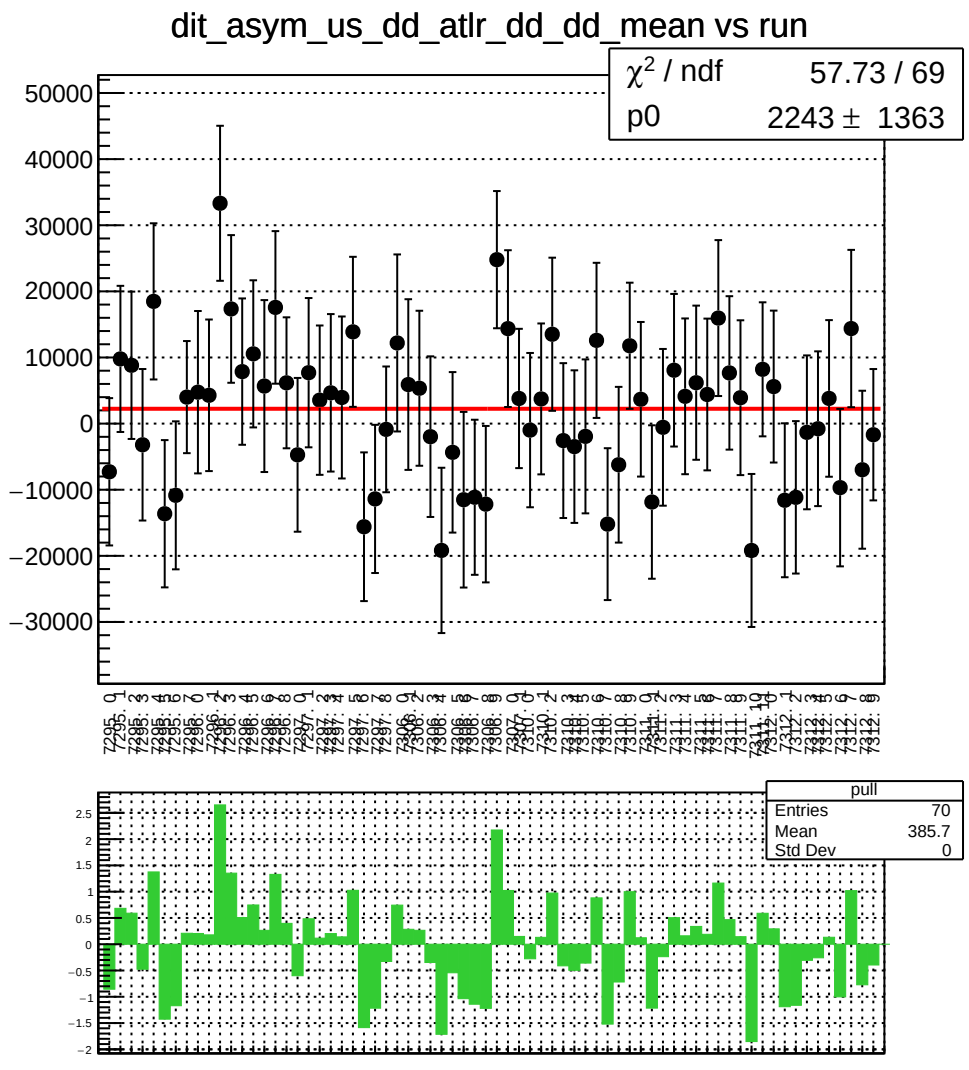

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 57.17 / 69
p0 1918 ± 1306
pull
Entries 70
Mean 1273
Std Dev 0

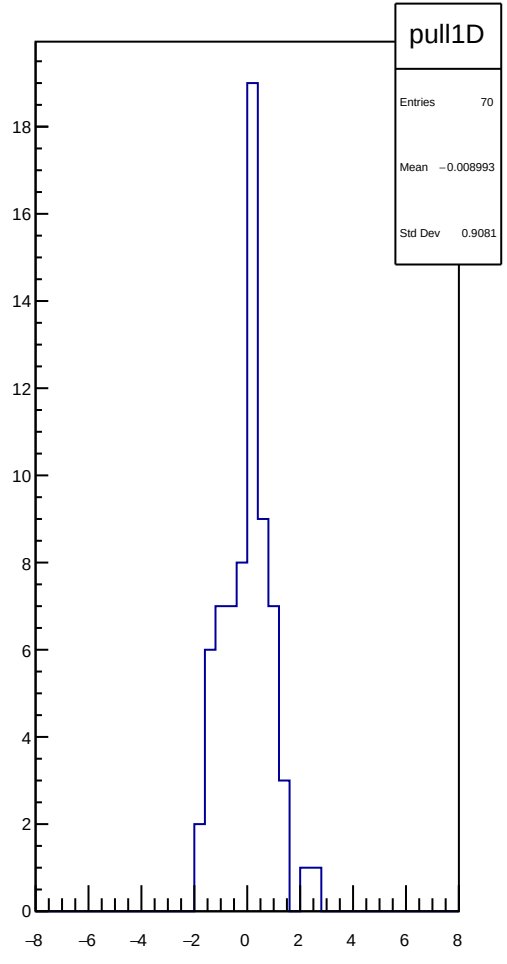

pull1D
Entries 70
Mean −0.00299
Std Dev 0.9038

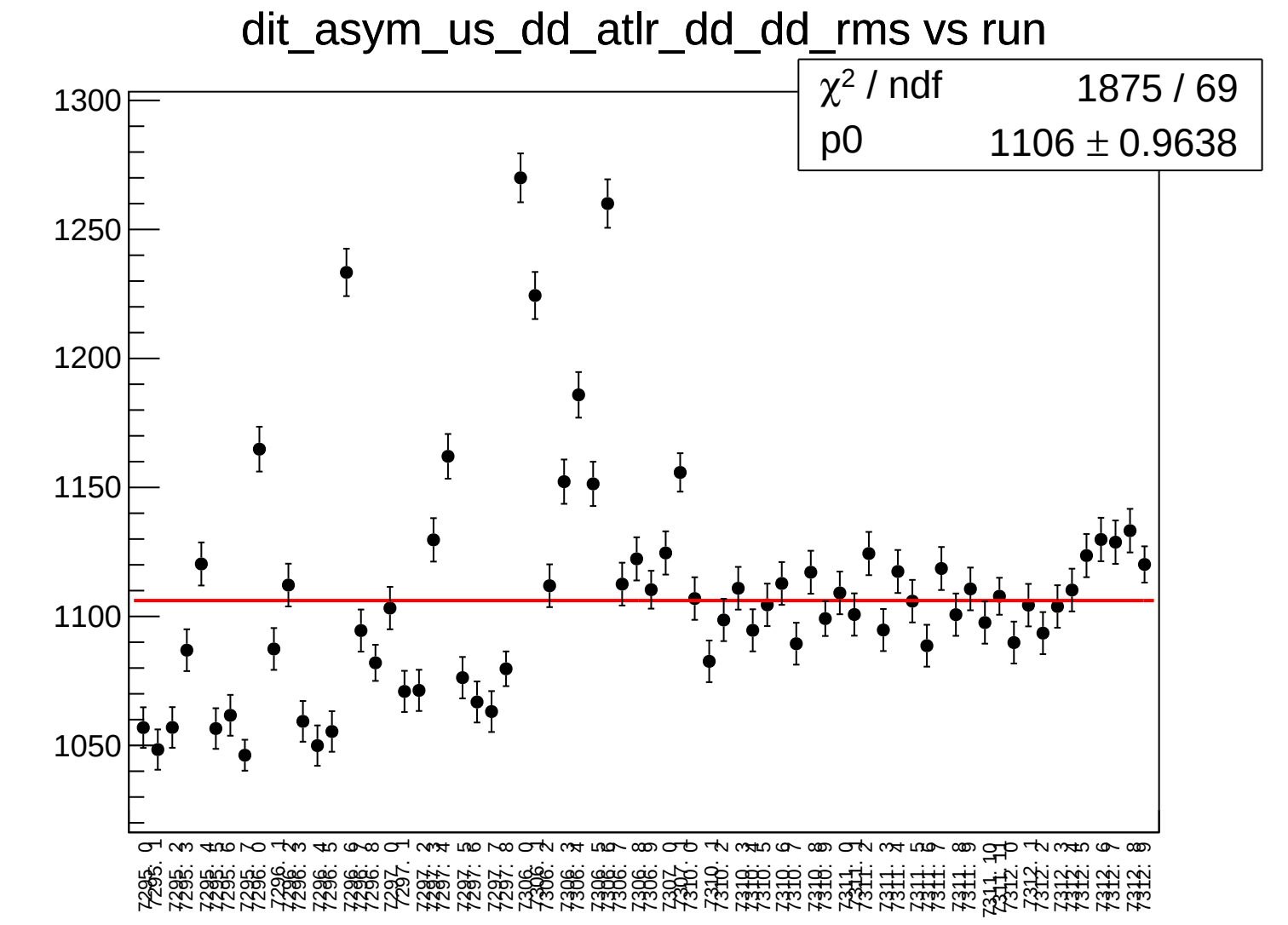

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1661 / 69
p0 1060 ± 0.9233
1250
1200
1150
1100
1050

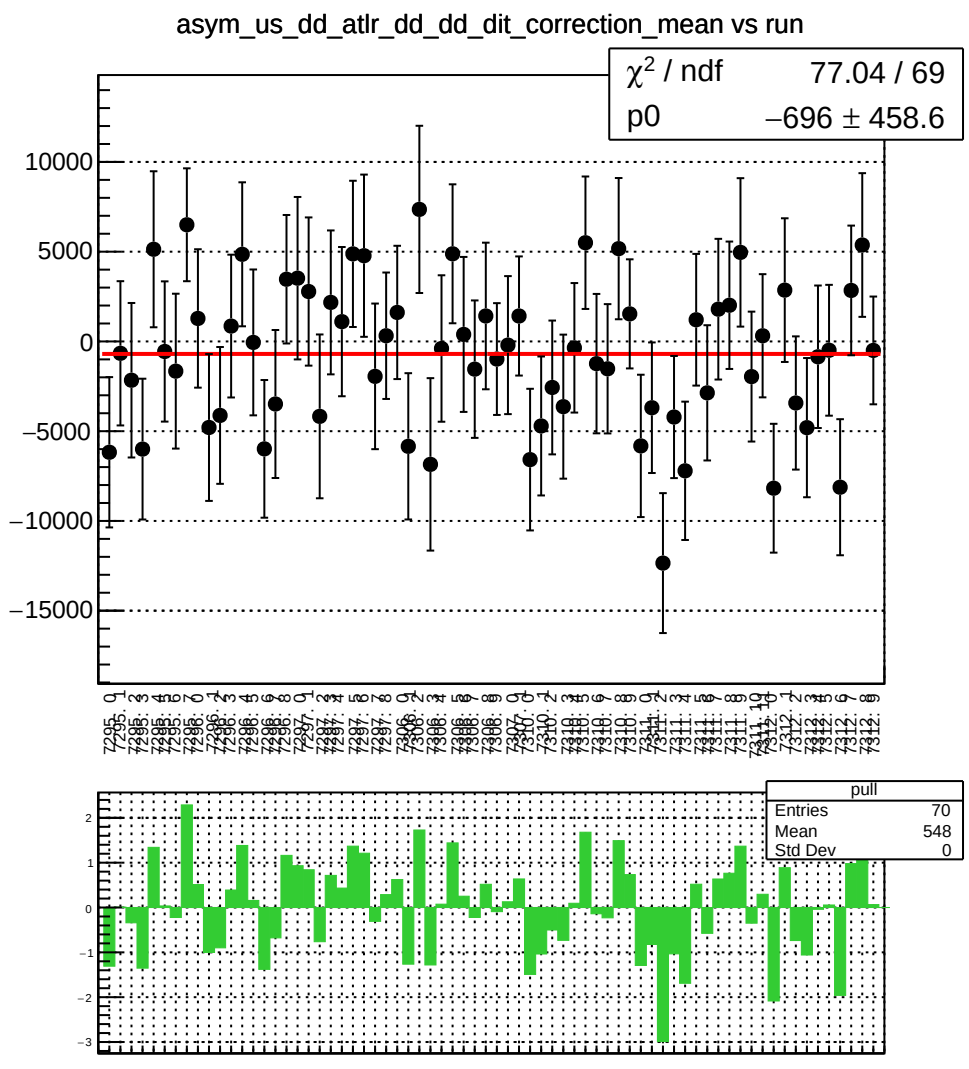

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 75.78 / 69
p0 −703.8 ± 497
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 70
Mean 157.5
Std Dev 0
pull1D
Entries 70
Mean −0.02465
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

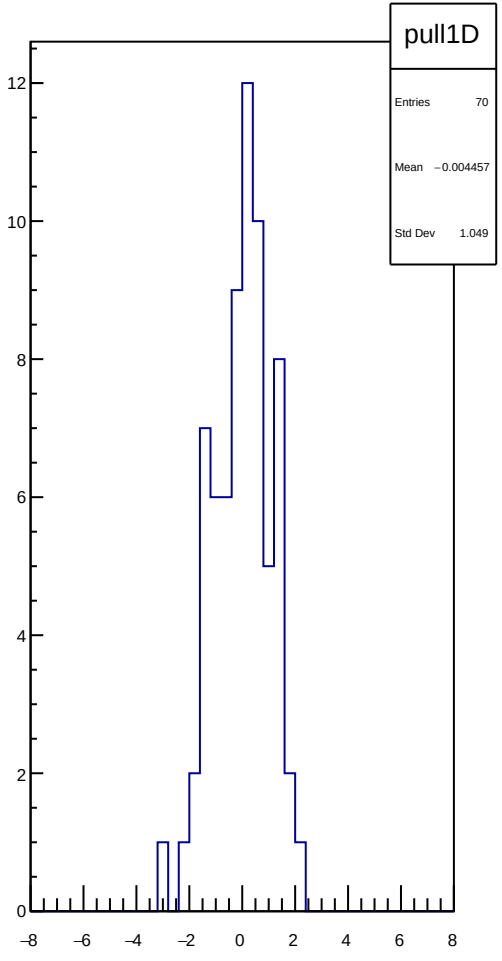

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.573e+04 / 69
p0 401.2 ± 0.3514
520
500
480
460
440
420
400
380
360
340
320

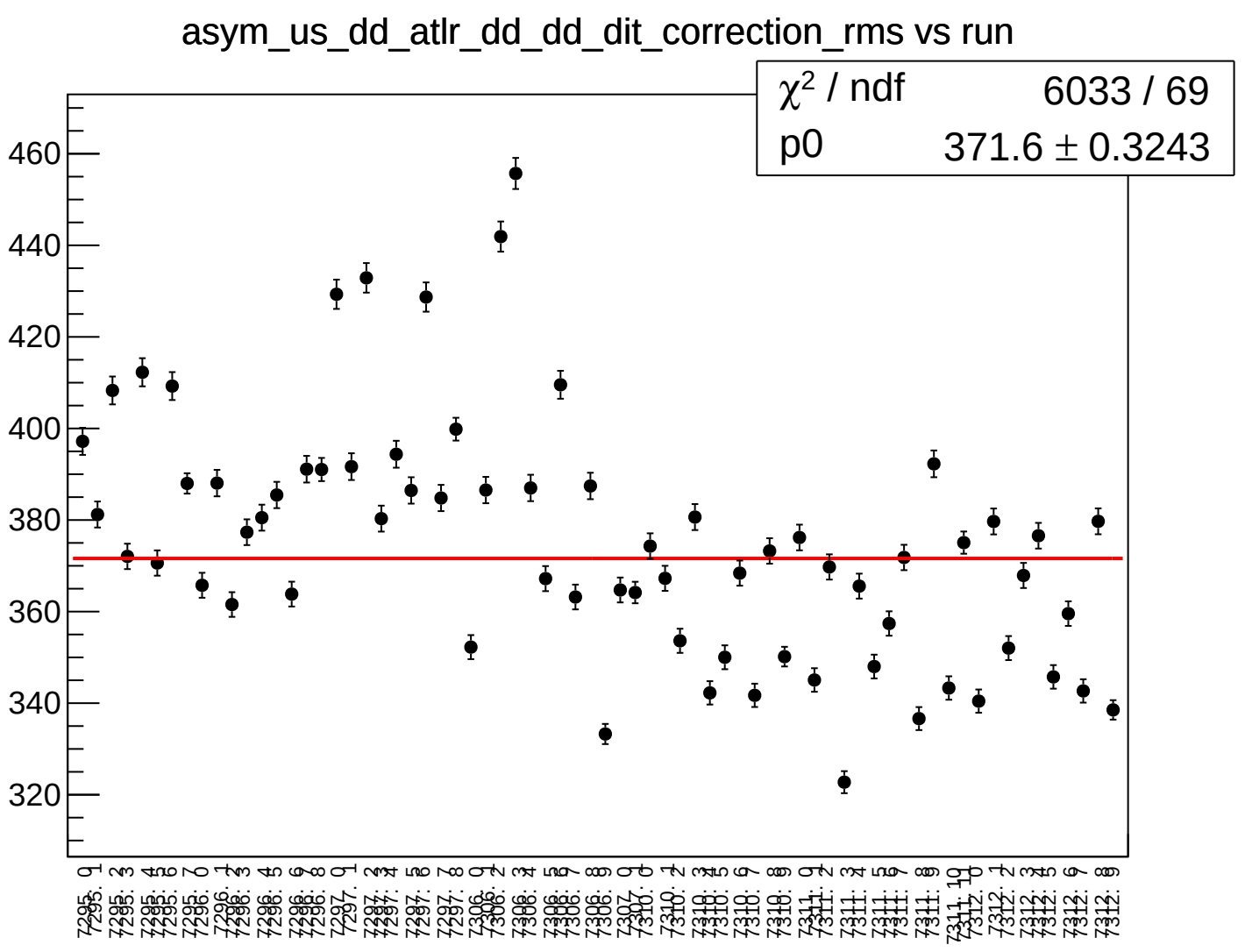

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 57.73 / 69
p0 2243 ± 1363
pull
Entries 70
Mean 385.7
Std Dev 0

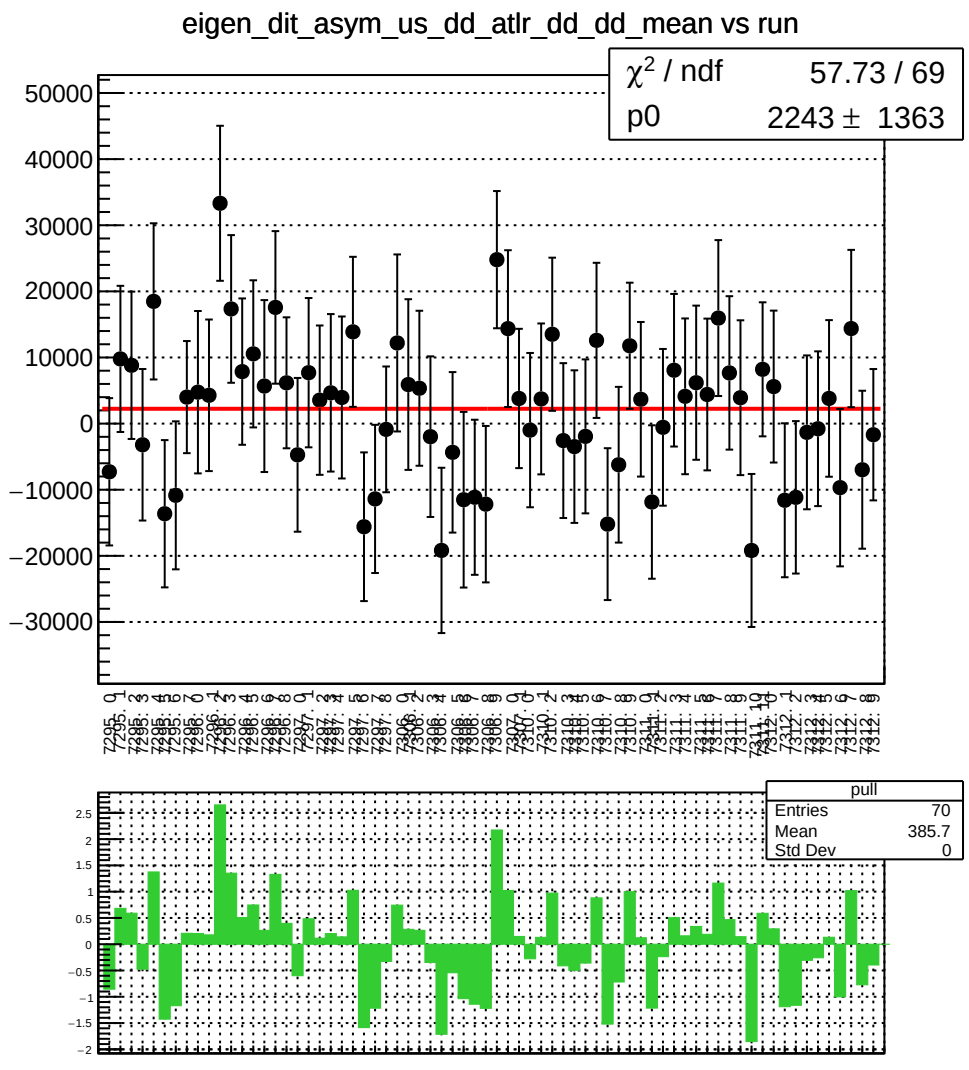

pull1D
Entries 70
Mean −0.008993
Std Dev 0.9081

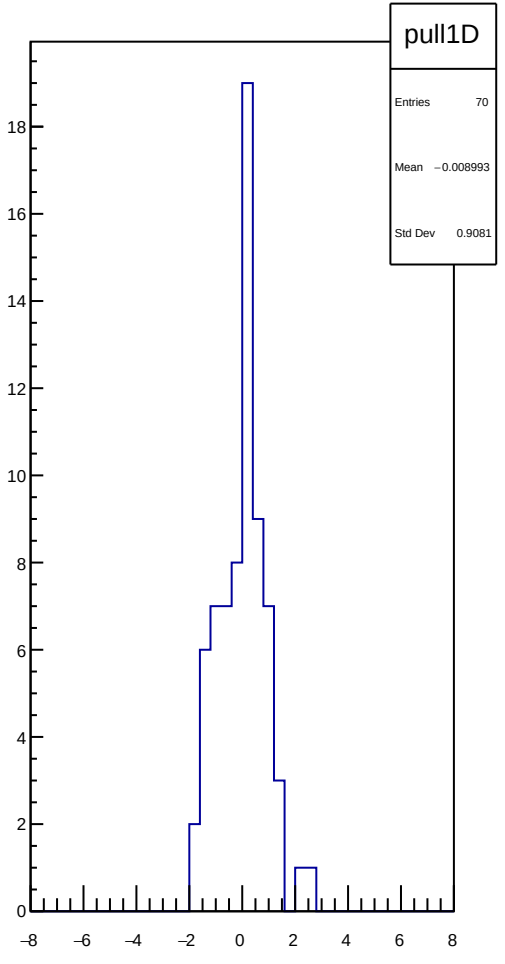

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1875 / 69
p0 1106 ± 0.9638
1300
1250
1200
1150
1100
1050

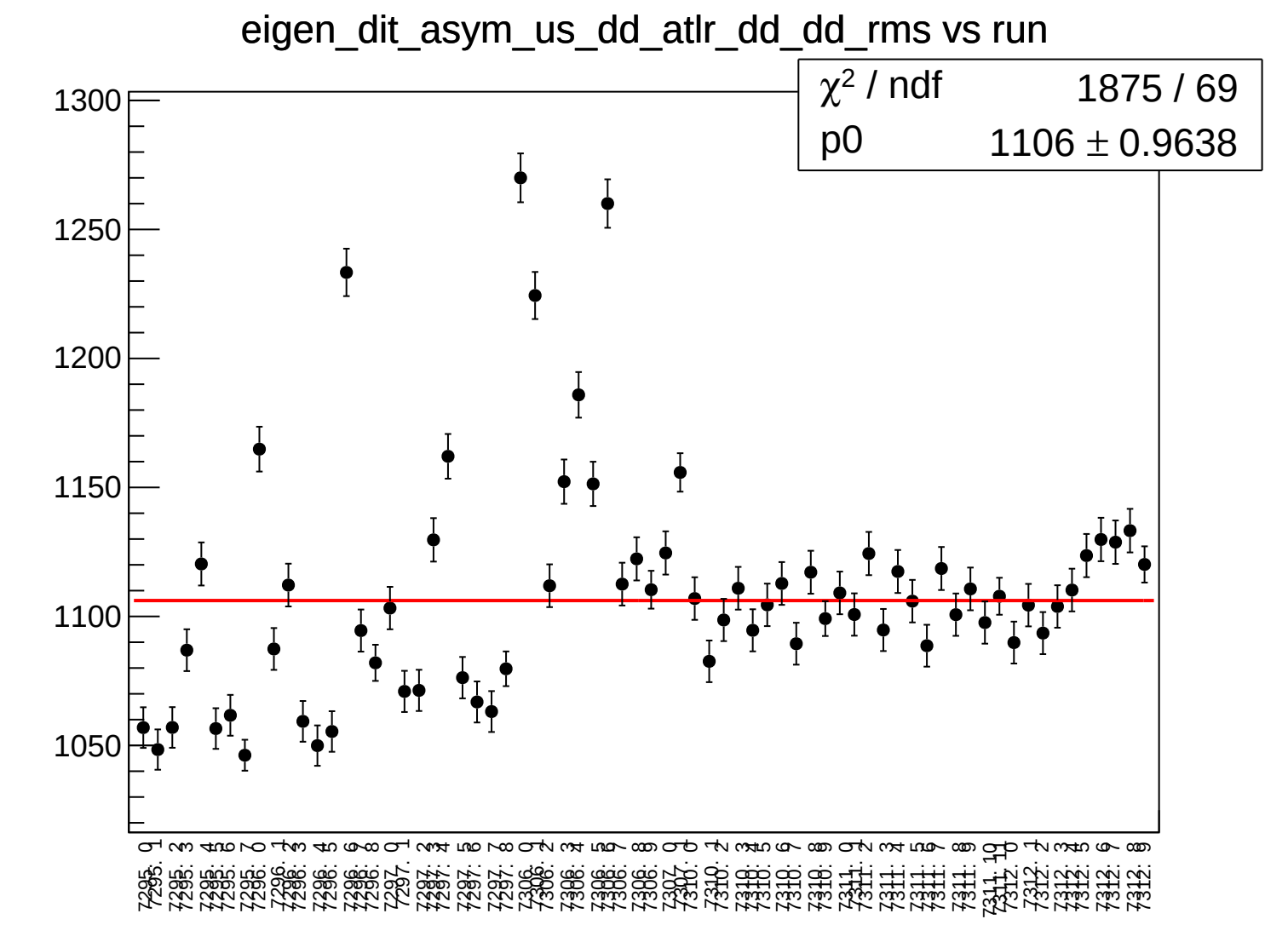

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 77.04 / 69
p0 −696 ± 458.6
pull
Entries 70
Mean 548
Std Dev 0

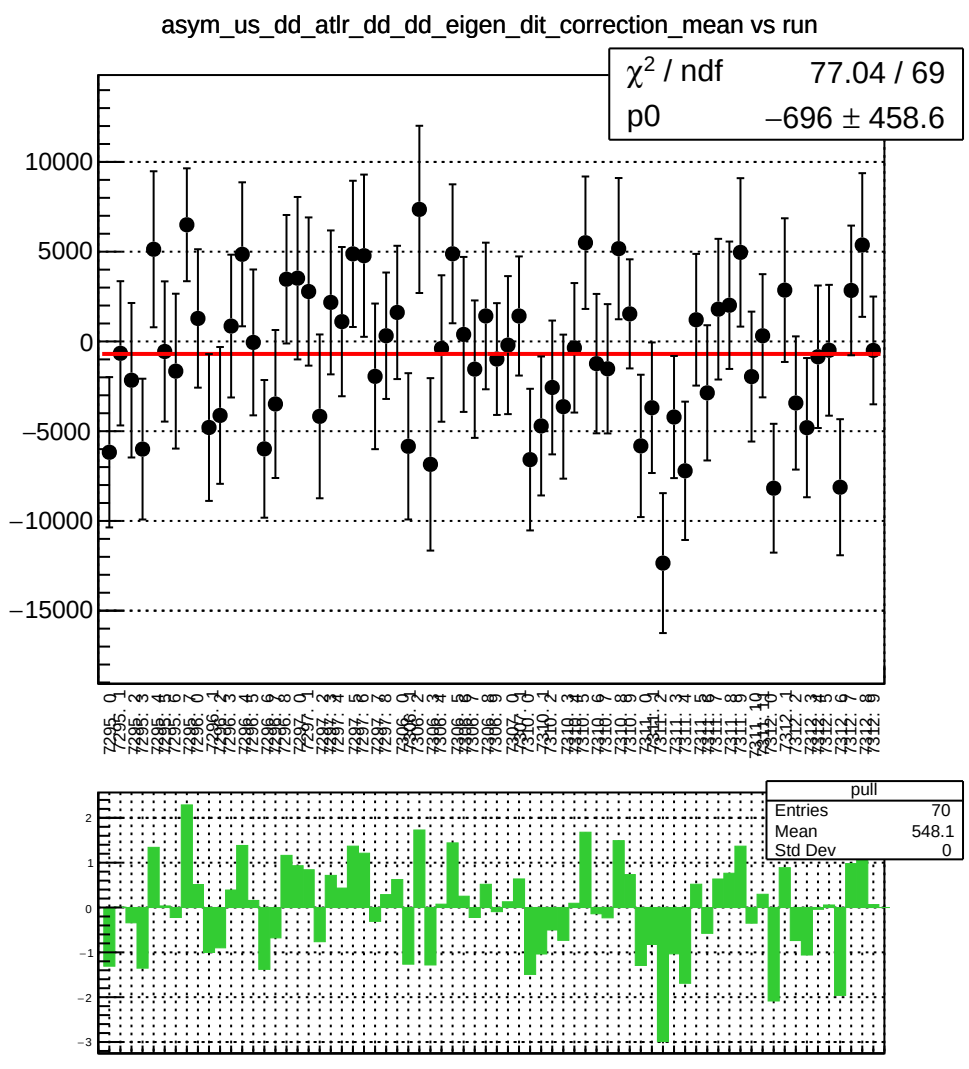

pull1D
Entries 70
Mean −0.004457
Std Dev 1.049

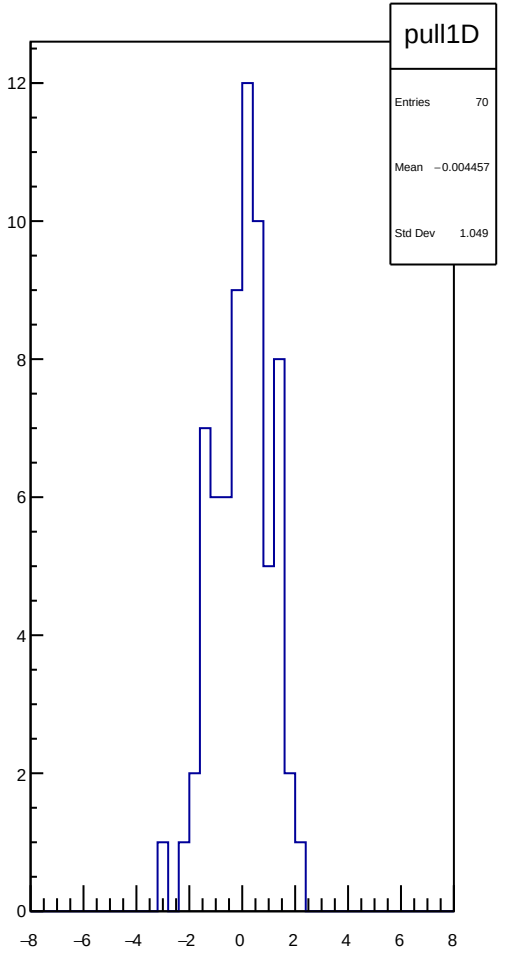

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 6033 / 69
p0 371.6 ± 0.3243
460
440
420
400
380
360
340
320

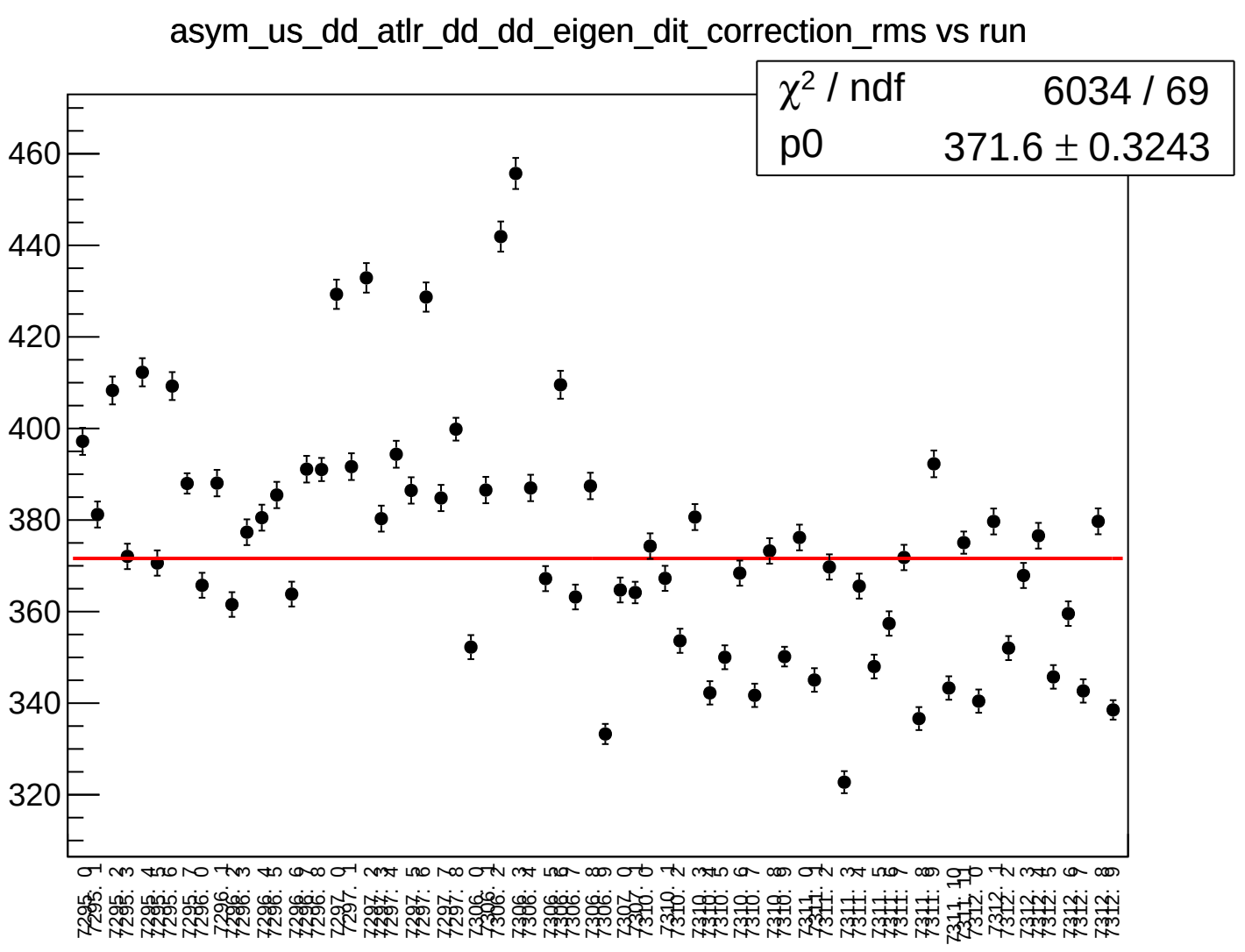

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 57.73 / 69
p0 2243 ± 1363
pull
Entries 70
Mean 385.7
Std Dev 0

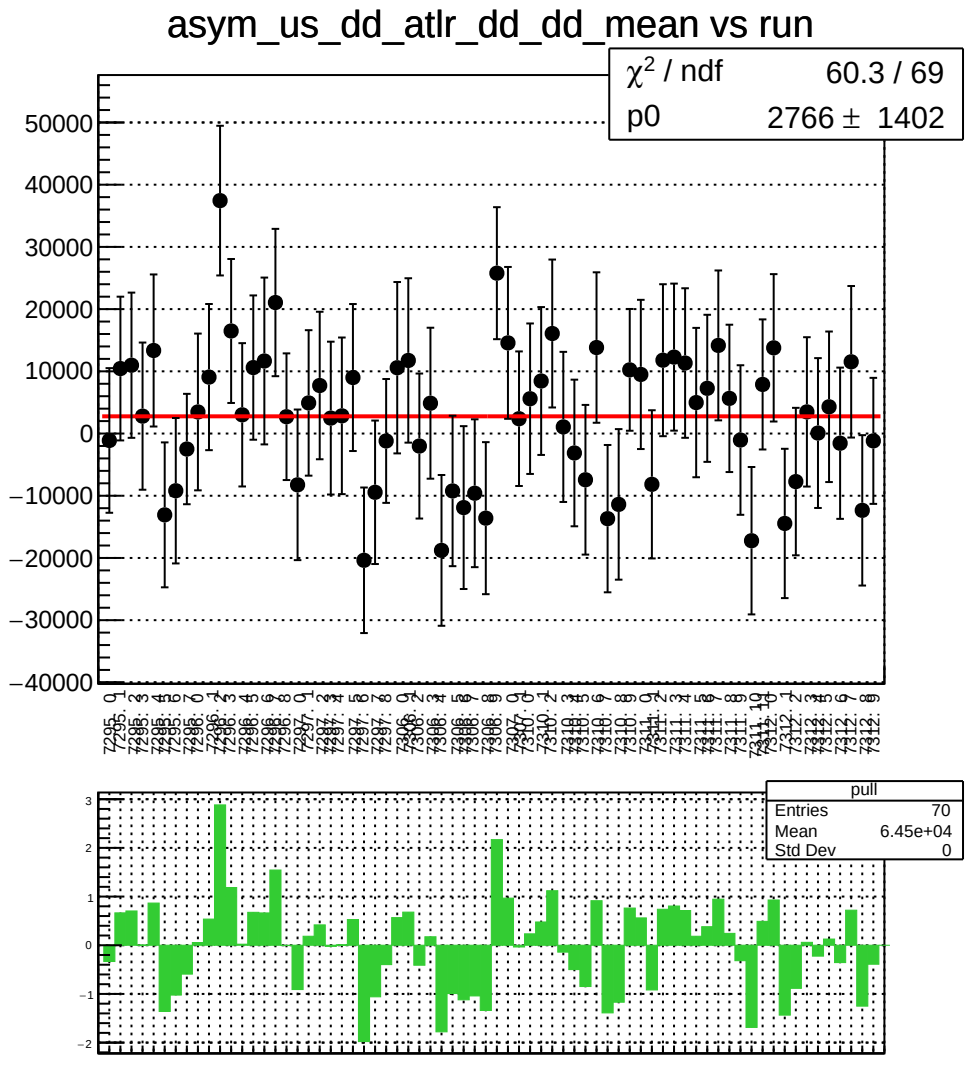

pull1D
Entries 70
Mean −0.008993
Std Dev 0.9081

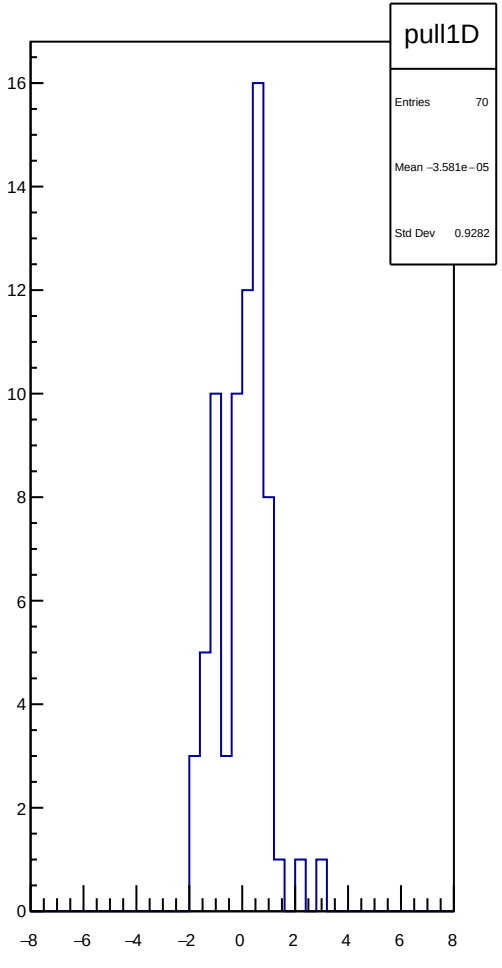

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1875 / 69
p0 1106 ± 0.9638
1300
1250
1200
1150
1100
1050

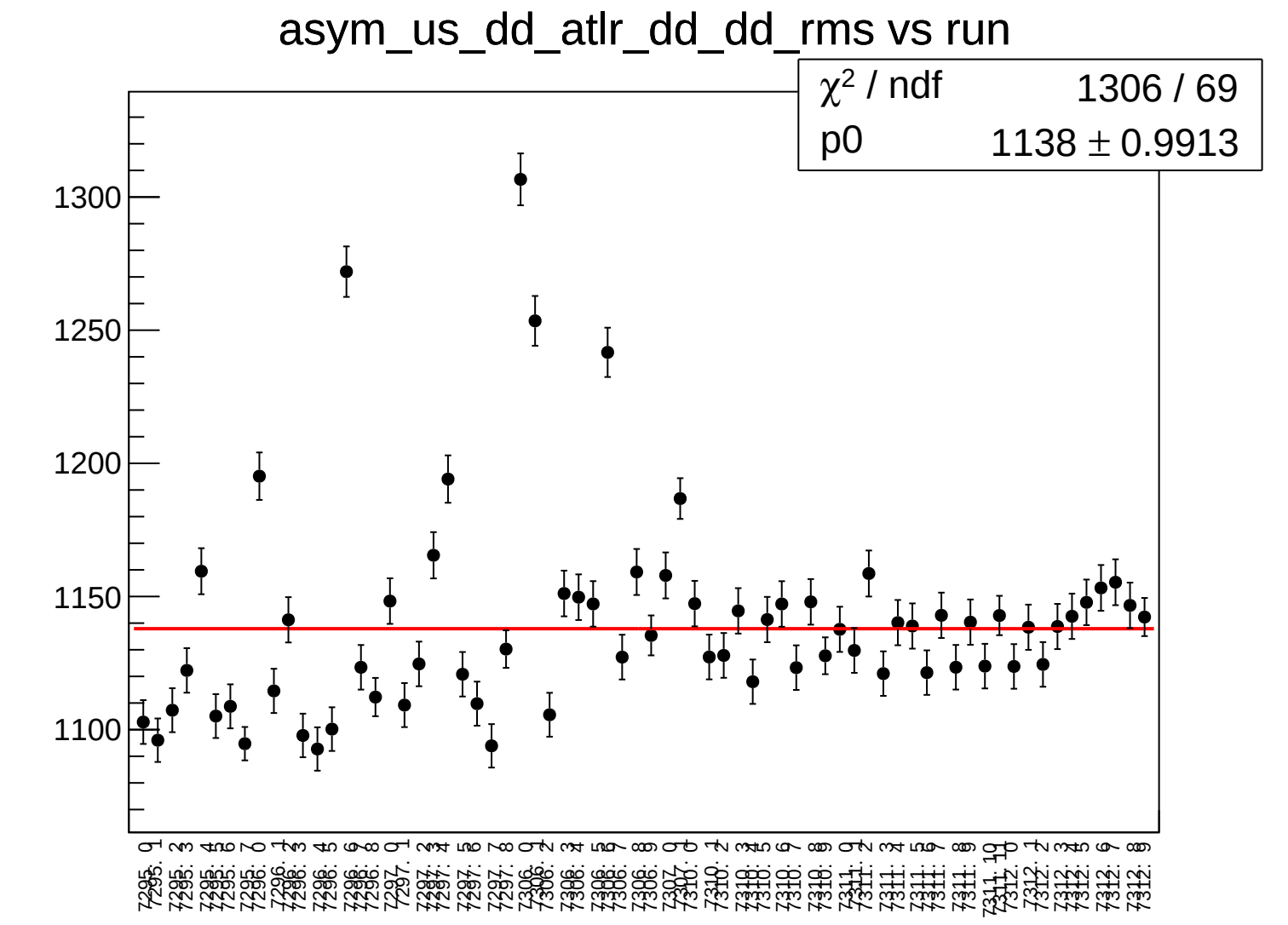

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 77.04 / 69
p0 −696 ± 458.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 548.1
Std Dev 0
2
1
0
−1
−2
−3

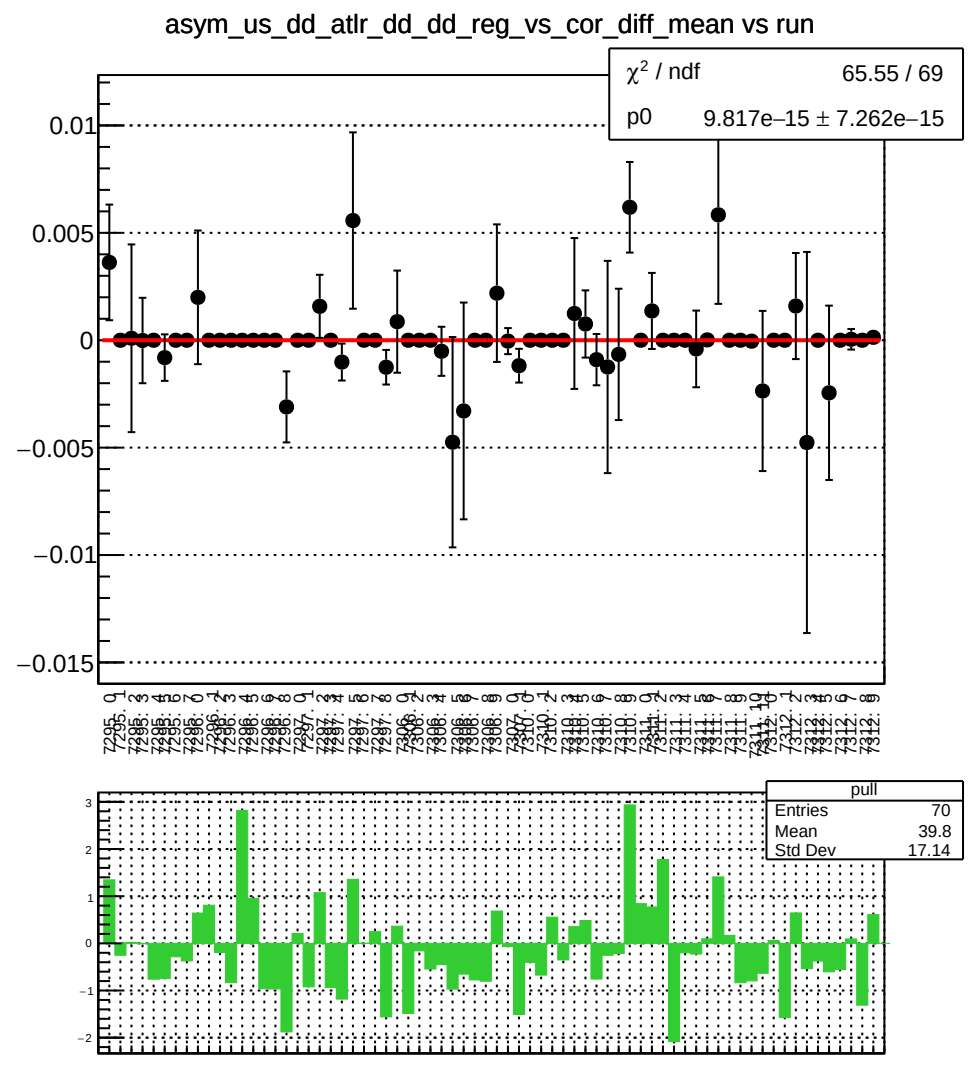

pull1D
Entries 70
Mean −0.004457
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

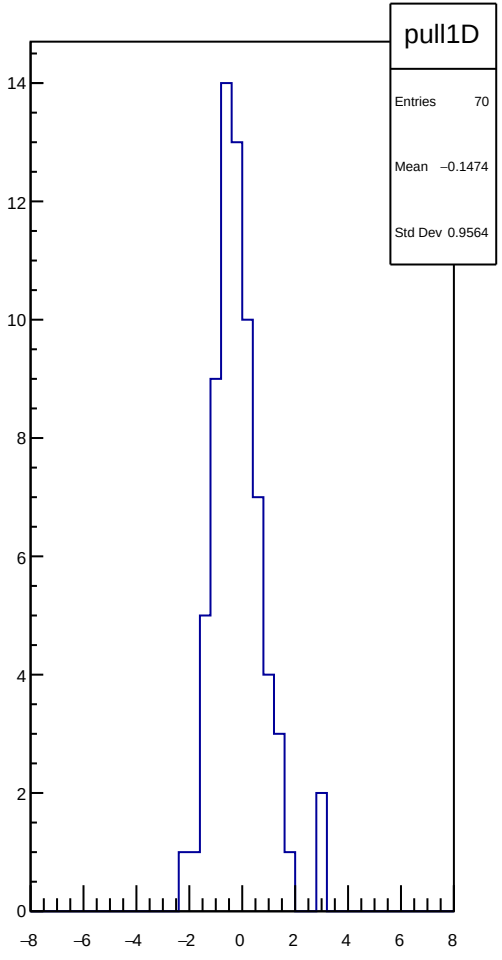

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6034 / 69
p0 371.6 ± 0.3243
460
440
420
400
380
360
340
320

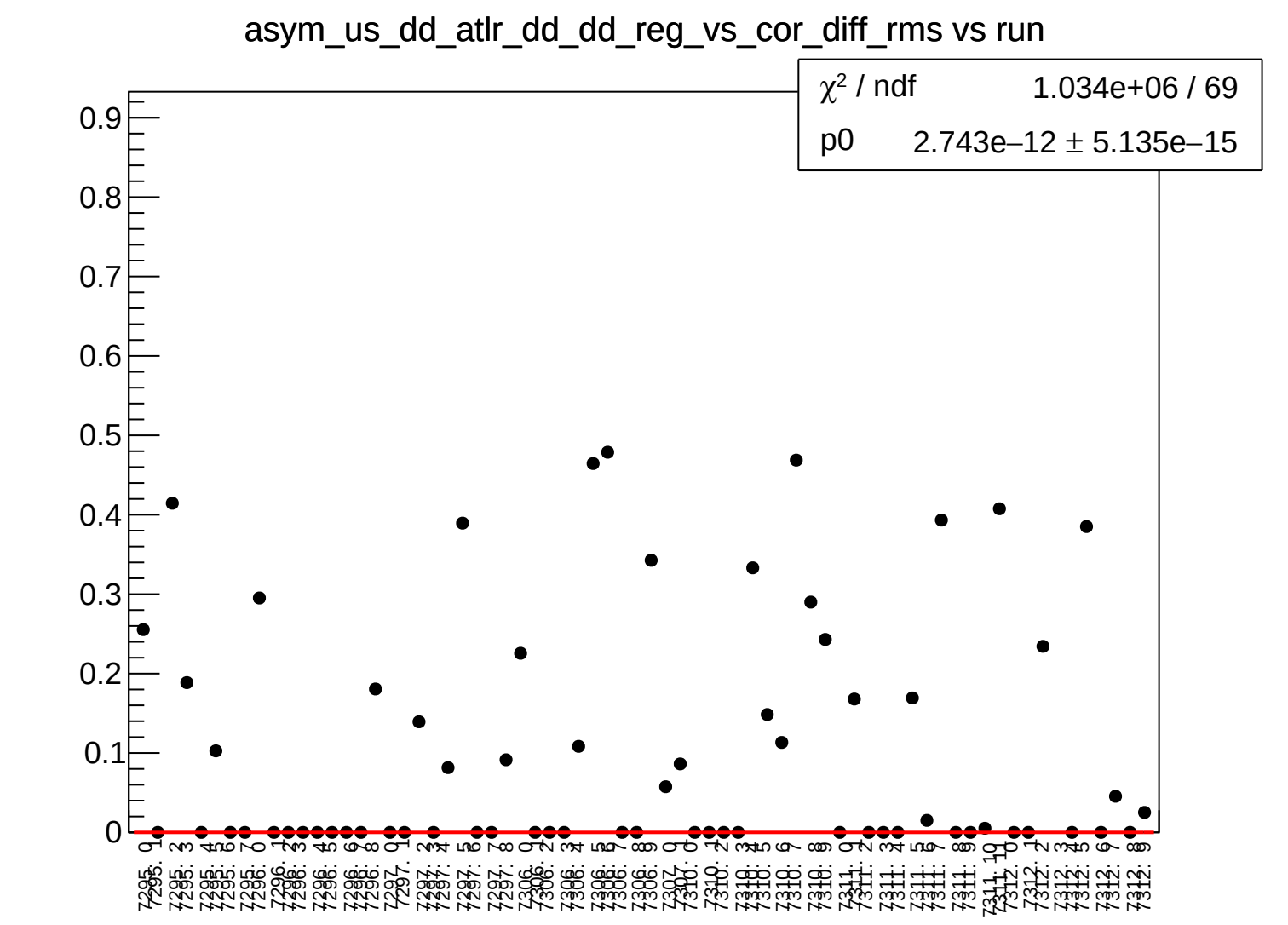

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 60.3 / 69
p0 2766 ± 1402
pull
Entries 70
Mean 6.45e+04
Std Dev 0

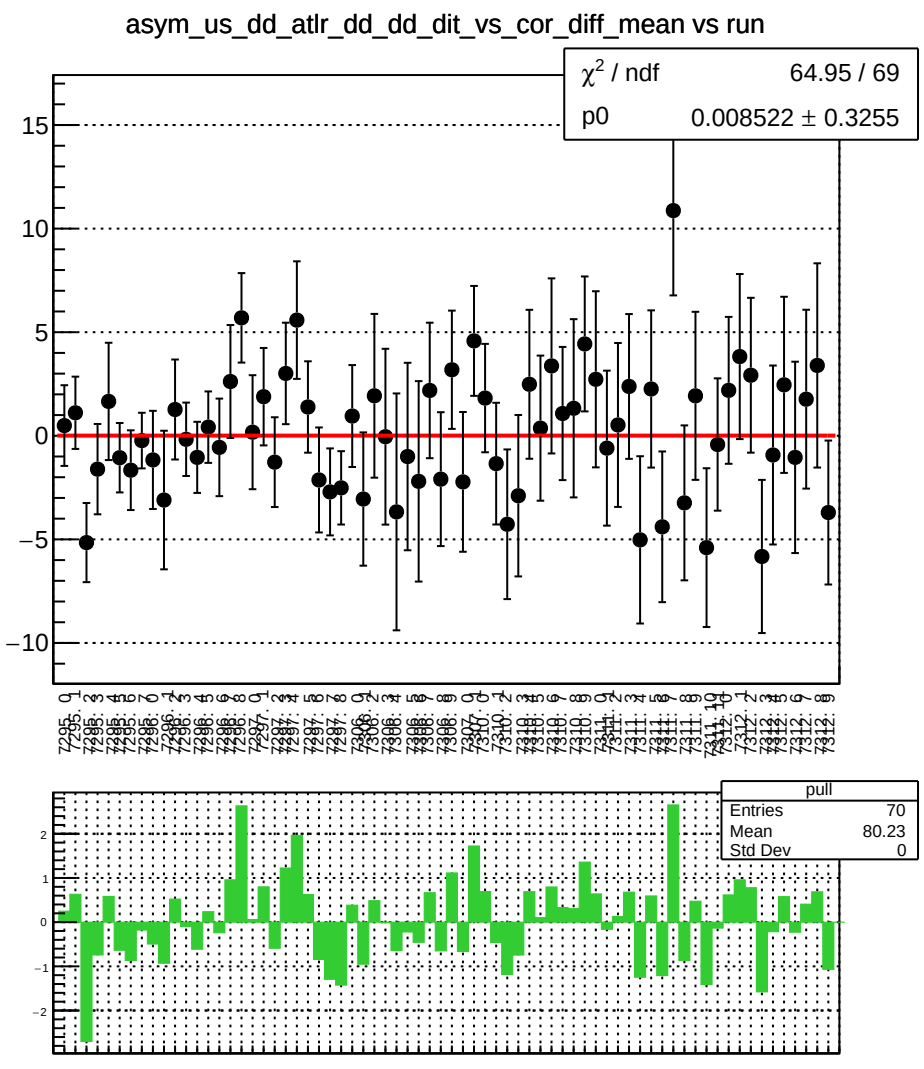

pull1D
Entries 70
Mean −3.581e−05
Std Dev 0.9282

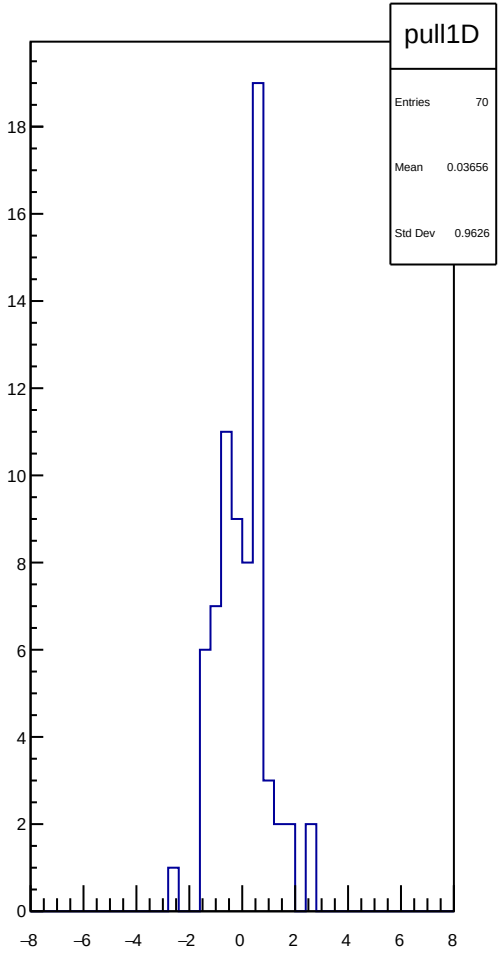

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 1306 / 69
p0 1138 ± 0.9913
1300
1250
1200
1150
1100

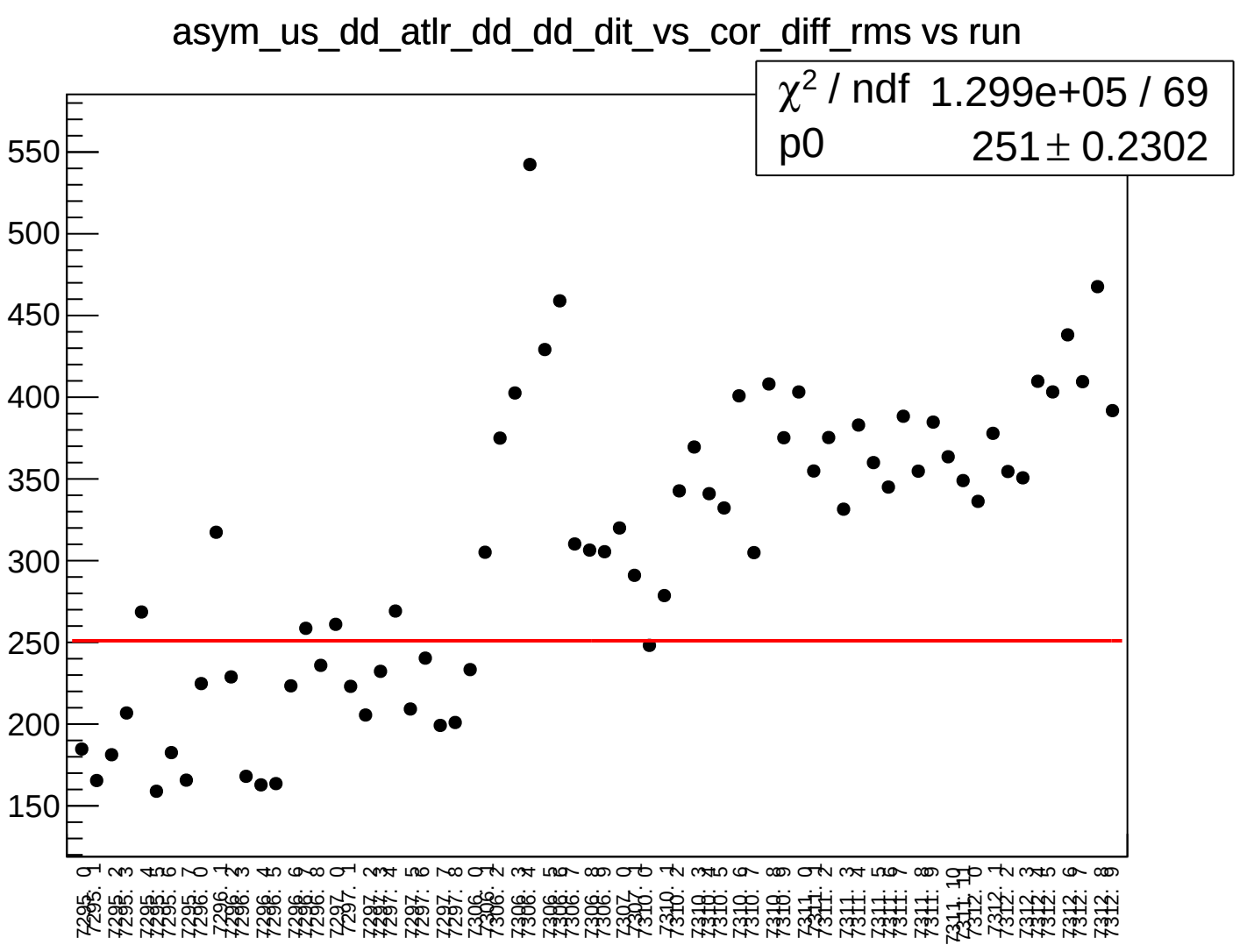

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.55 / 69
p0 9.817e−15 ± 7.262e−15
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 70
Mean 39.8
Std Dev 17.14
3
2
1
0
−1
−2

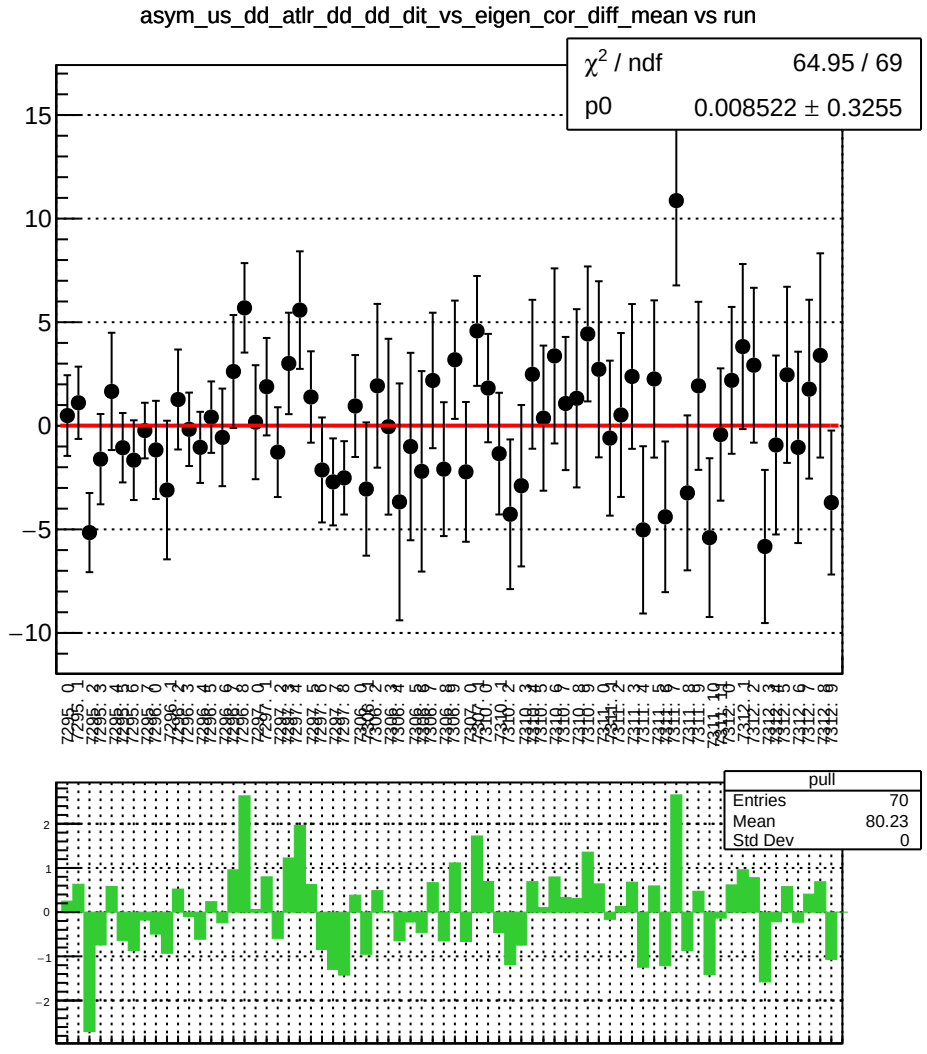

pull1D
Entries 70
Mean −0.1474
Std Dev 0.9564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

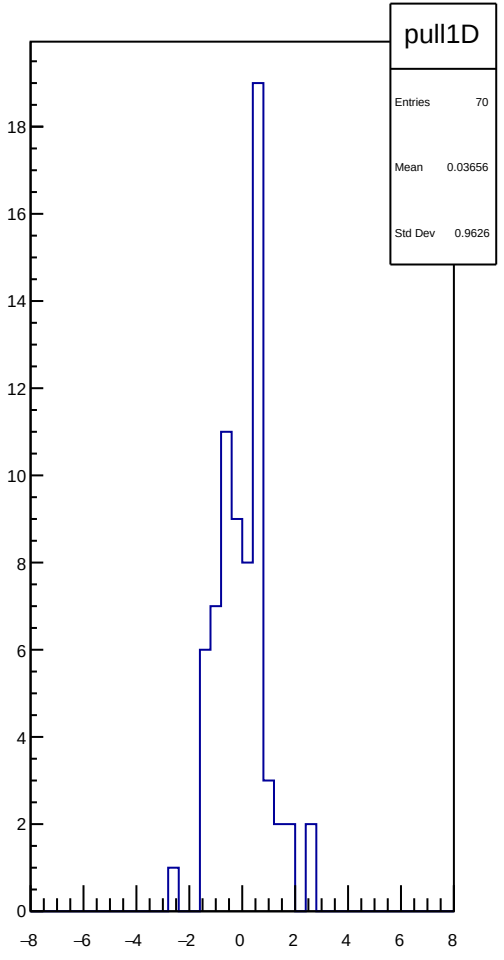

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.034e+06 / 69
p0 2.743e−12 ± 5.135e−15
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

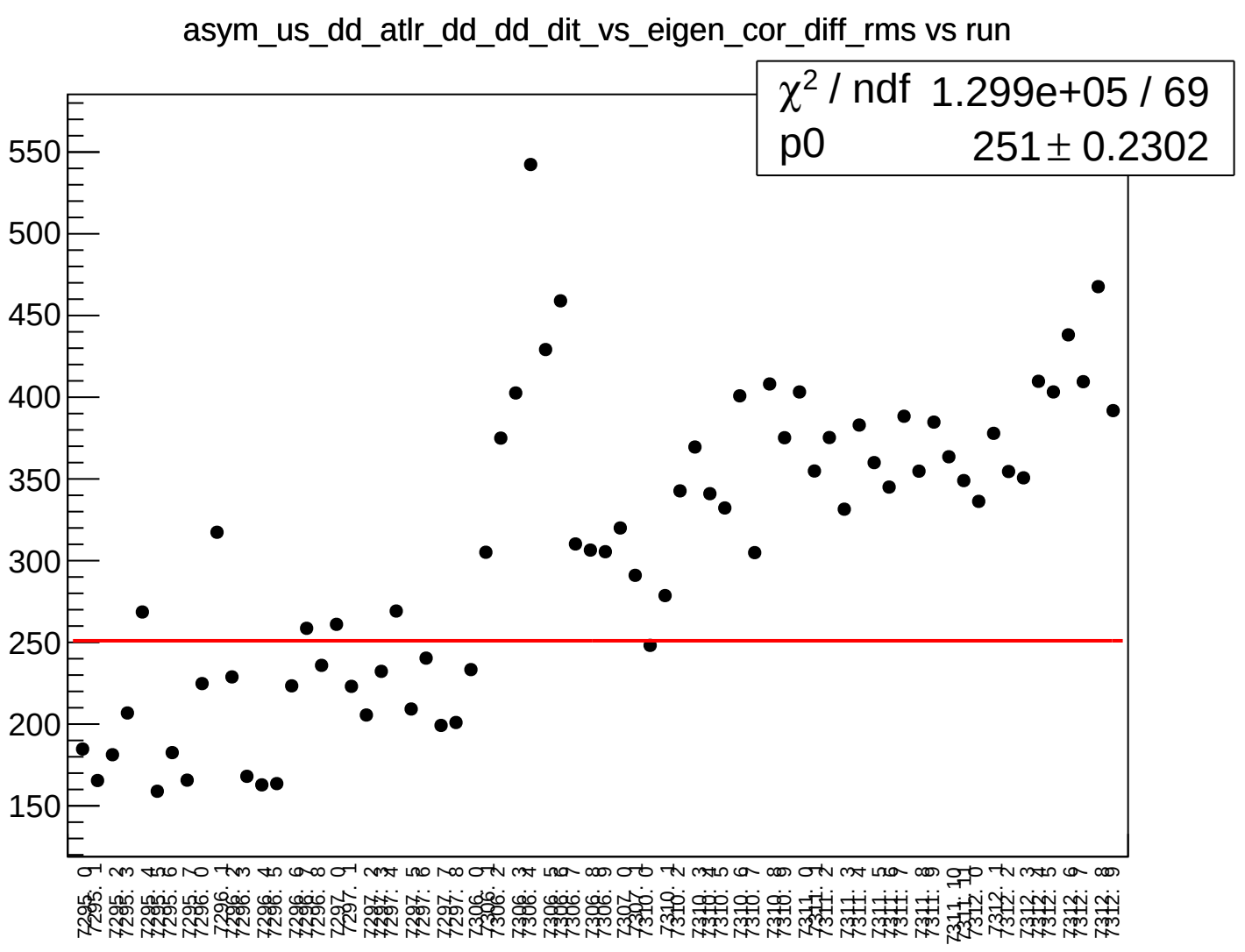

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 69
p0 0.008522 ± 0.3255
pull
Entries 70
Mean 80.23
Std Dev 0

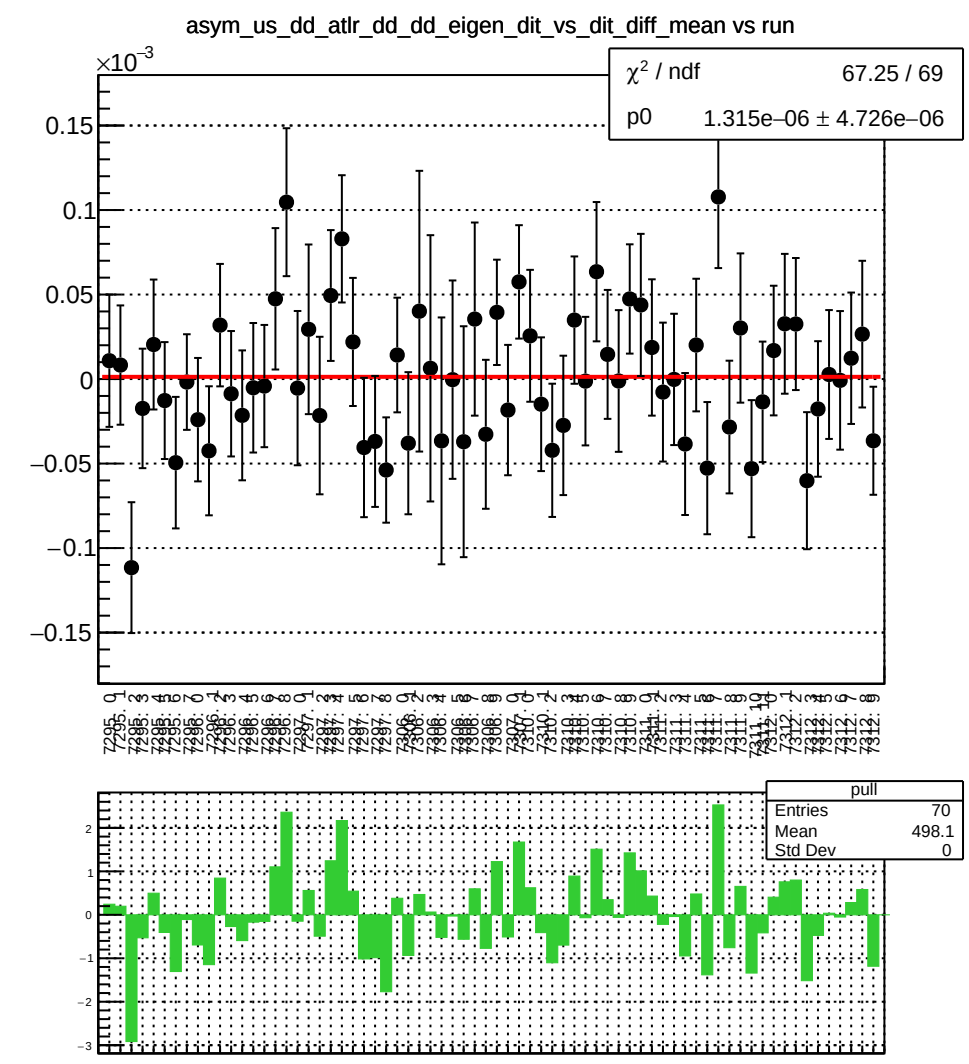

pull1D
Entries 70
Mean 0.03656
Std Dev 0.9626

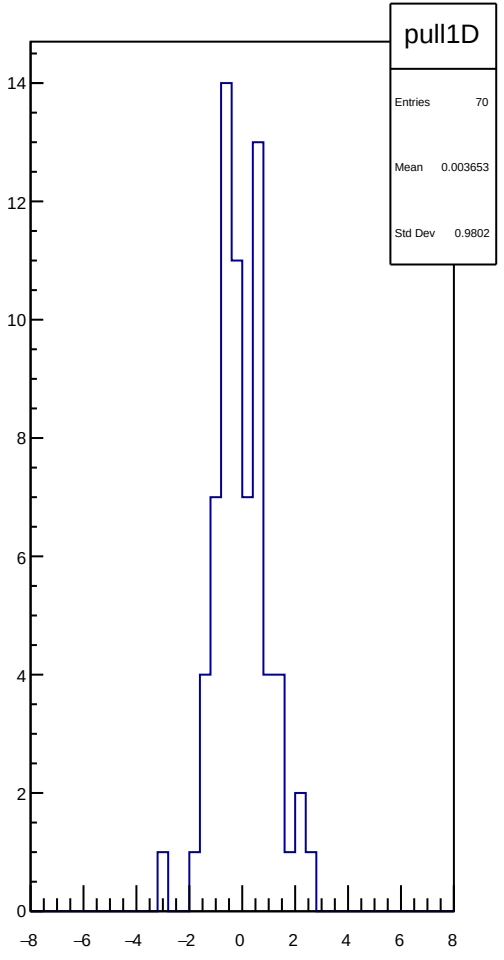

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 69
p0 251 ± 0.2302
550
500
450
400
350
300
250
200
150

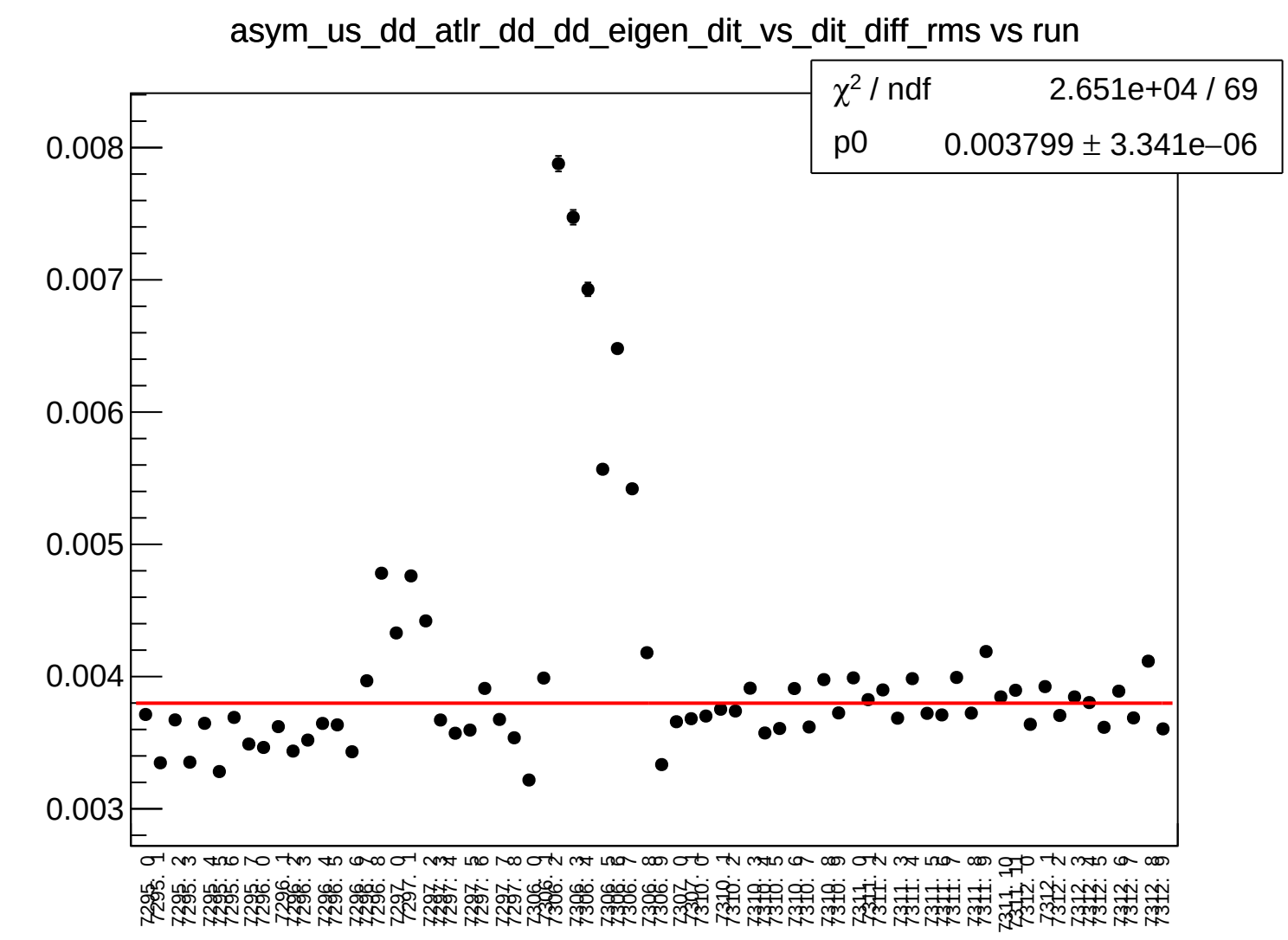

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 69
p0 0.008522 ± 0.3255
pull
Entries 70
Mean 80.23
Std Dev 0

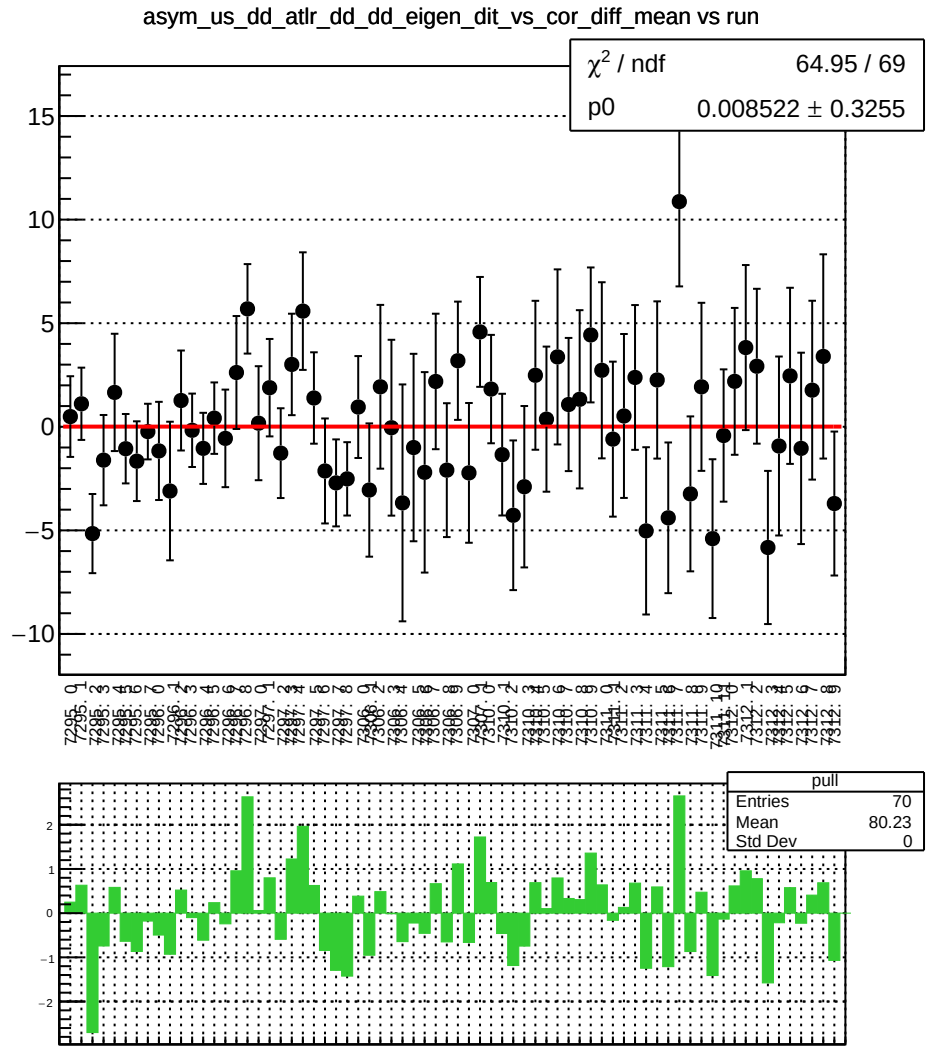

pull1D
Entries 70
Mean 0.03656
Std Dev 0.9626

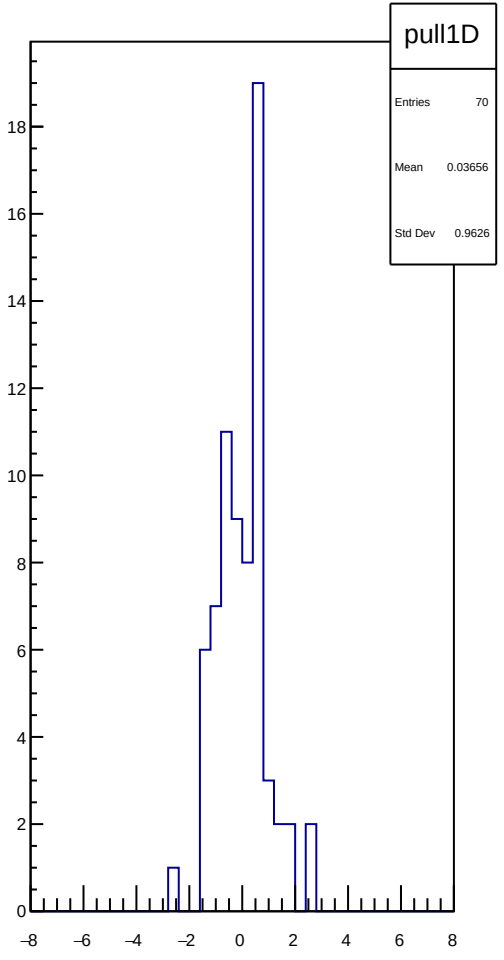

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 69
p0 251 ± 0.2302
550
500
450
400
350
300
250
200
150

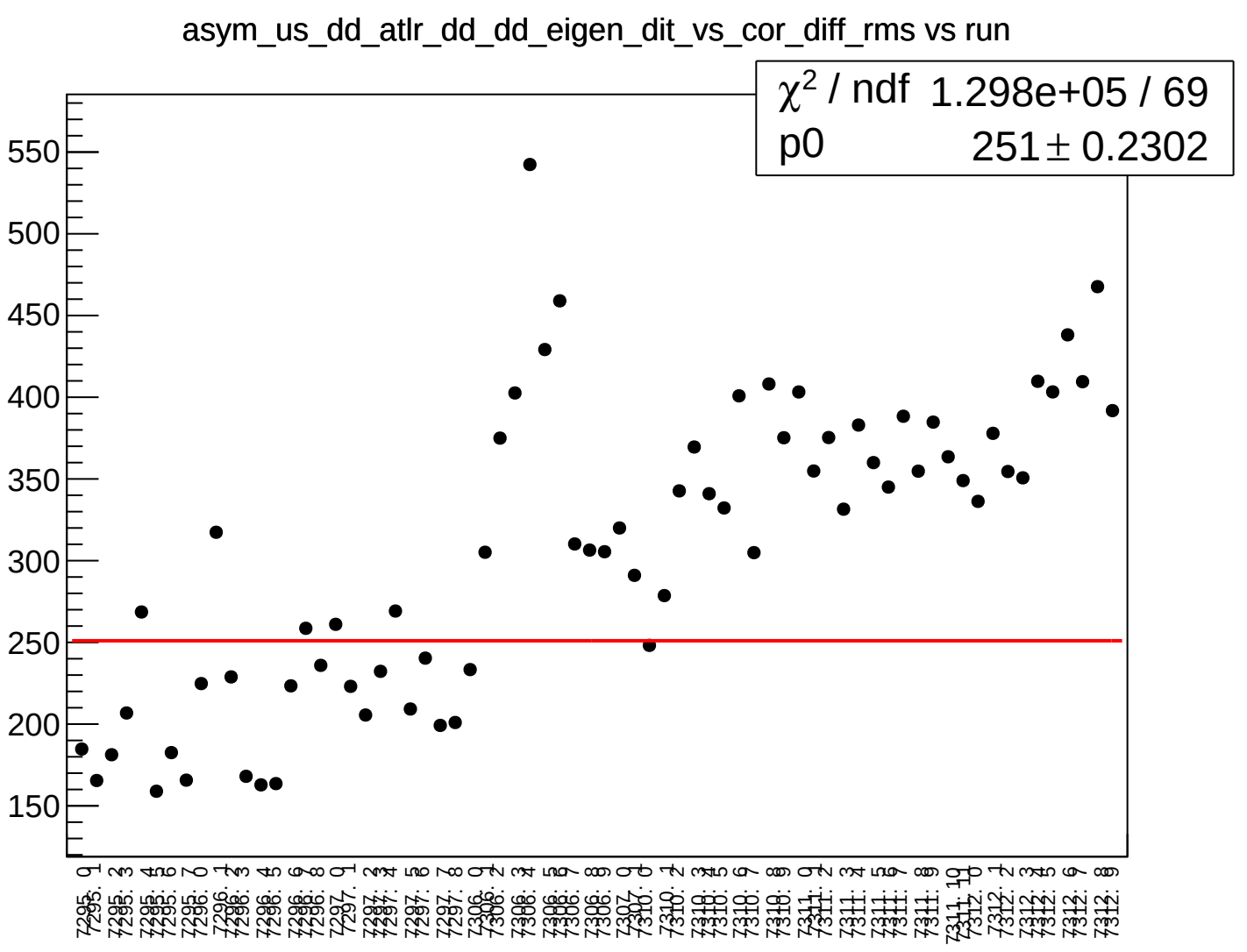

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.25 / 69
p0 1.315e−06 ± 4.726e−06
pull
Entries 70
Mean 498.1
Std Dev 0

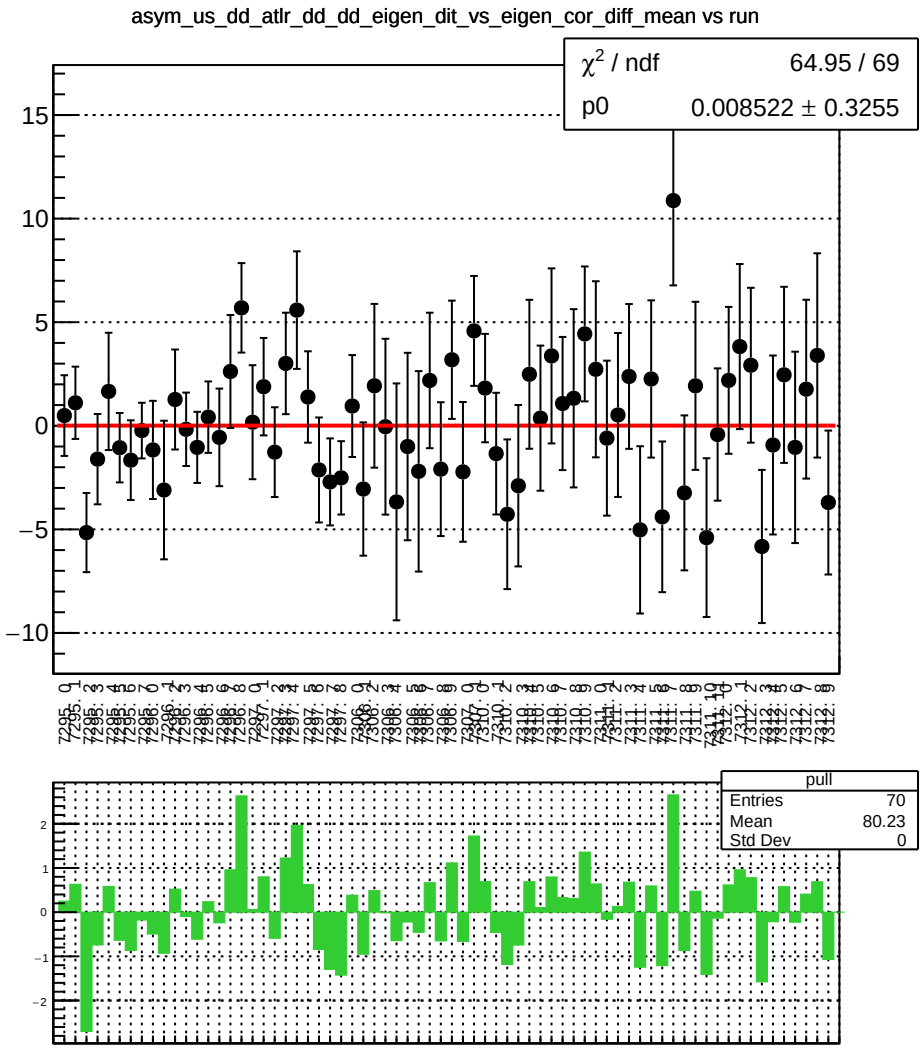

pull1D
Entries 70
Mean 0.003653
Std Dev 0.9802

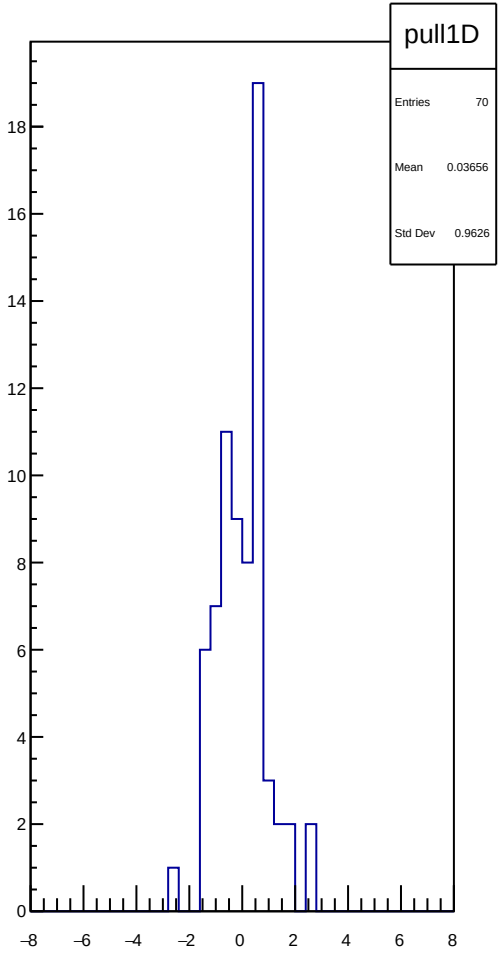

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.651e+04 / 69
p0 0.003799 ± 3.341e−06
0.008
0.007
0.006
0.005
0.004
0.003

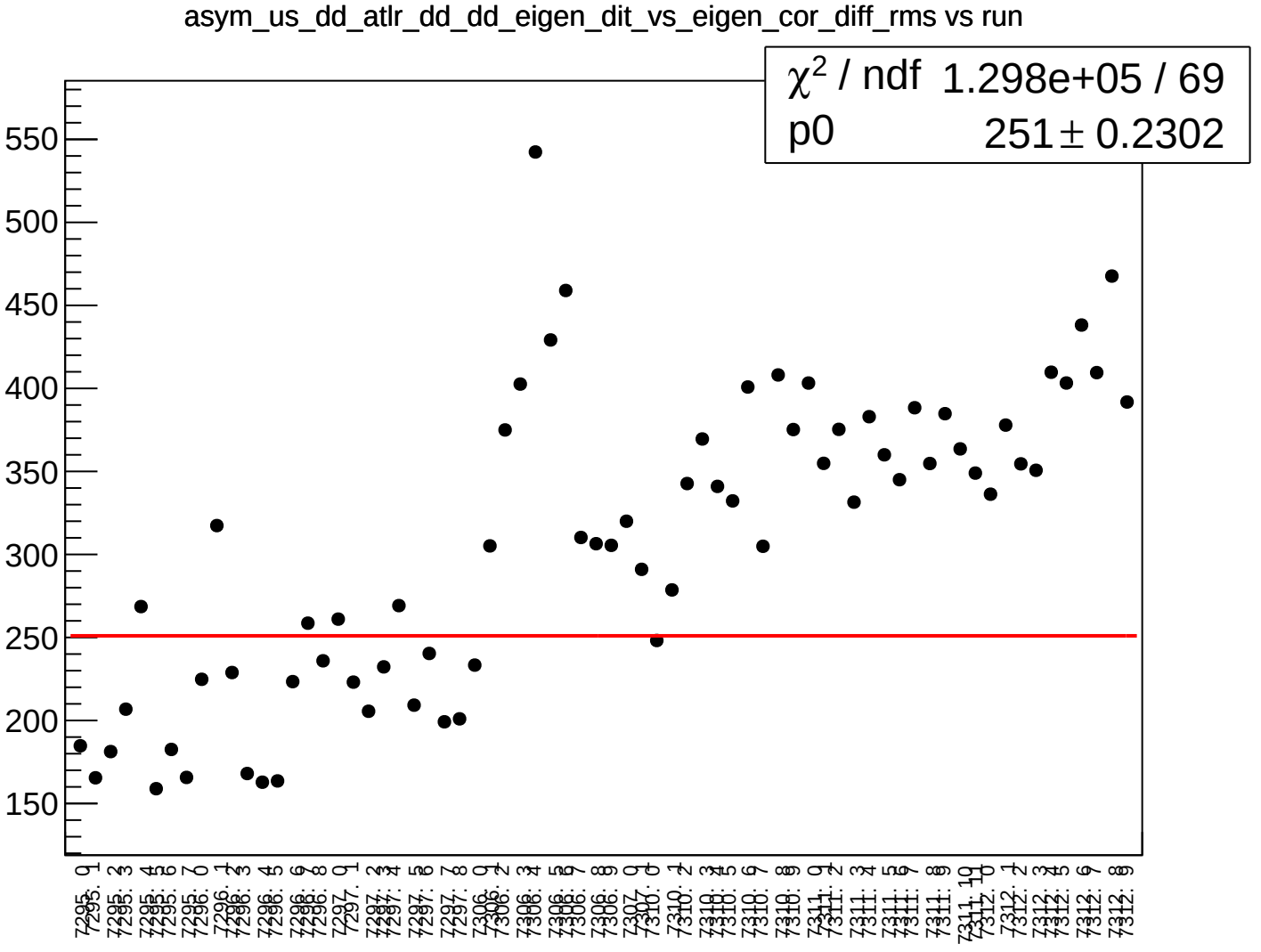

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 69
p0 0.008522 ± 0.3255
pull
Entries 70
Mean 80.23
Std Dev 0

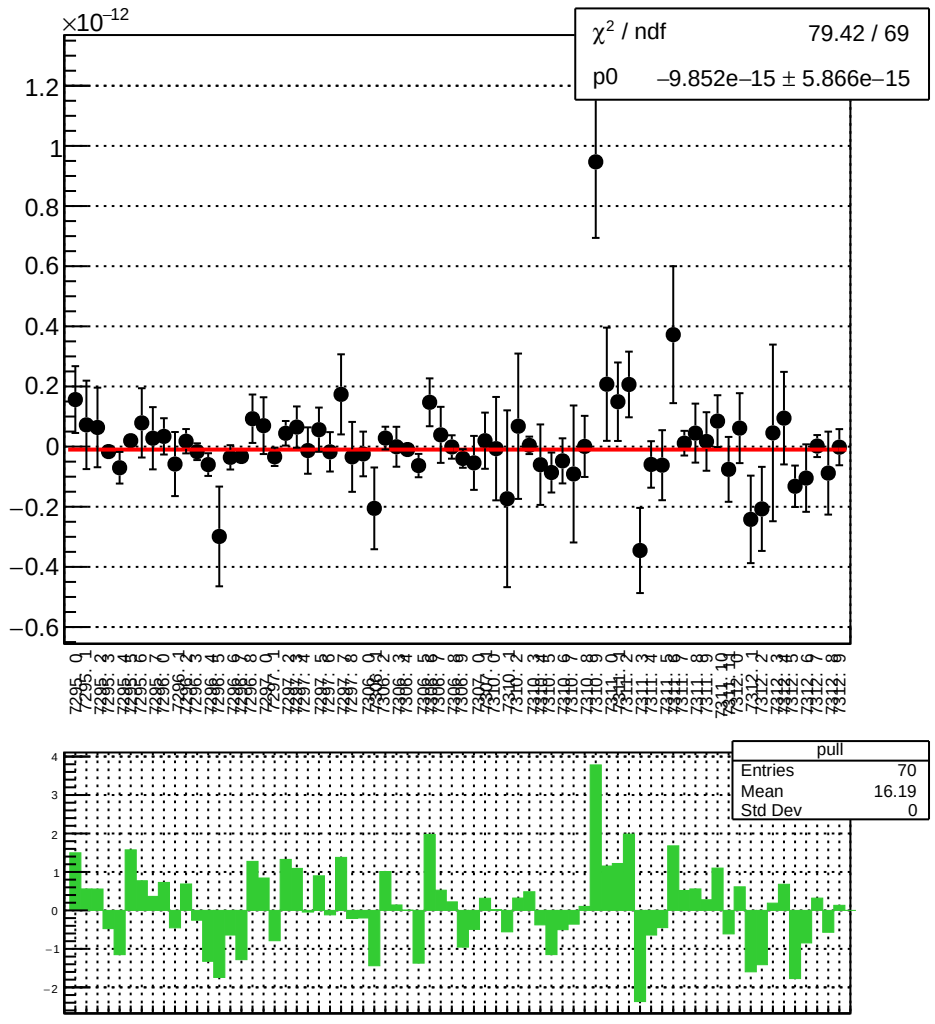

pull1D
Entries 70
Mean 0.03656
Std Dev 0.9626

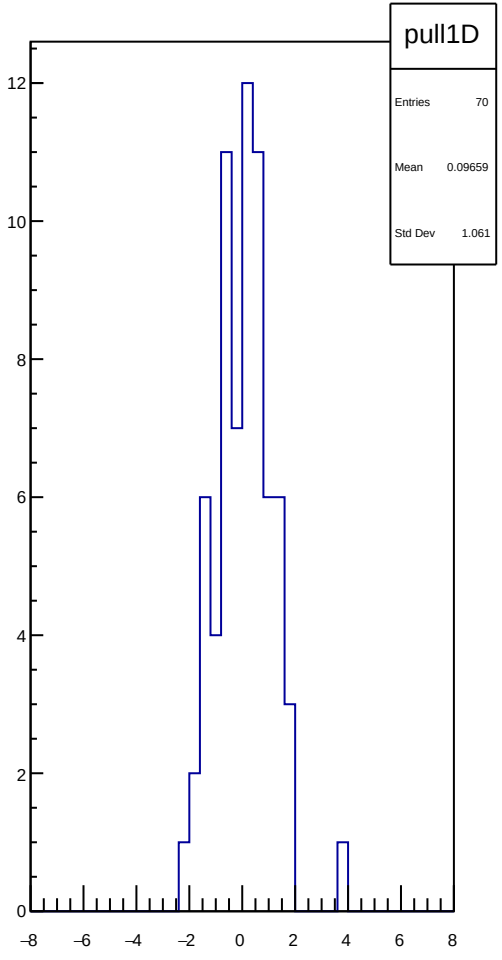

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.298e+05 / 69
p0 251 ± 0.2302
550
500
450
400
350
300
250
200
150

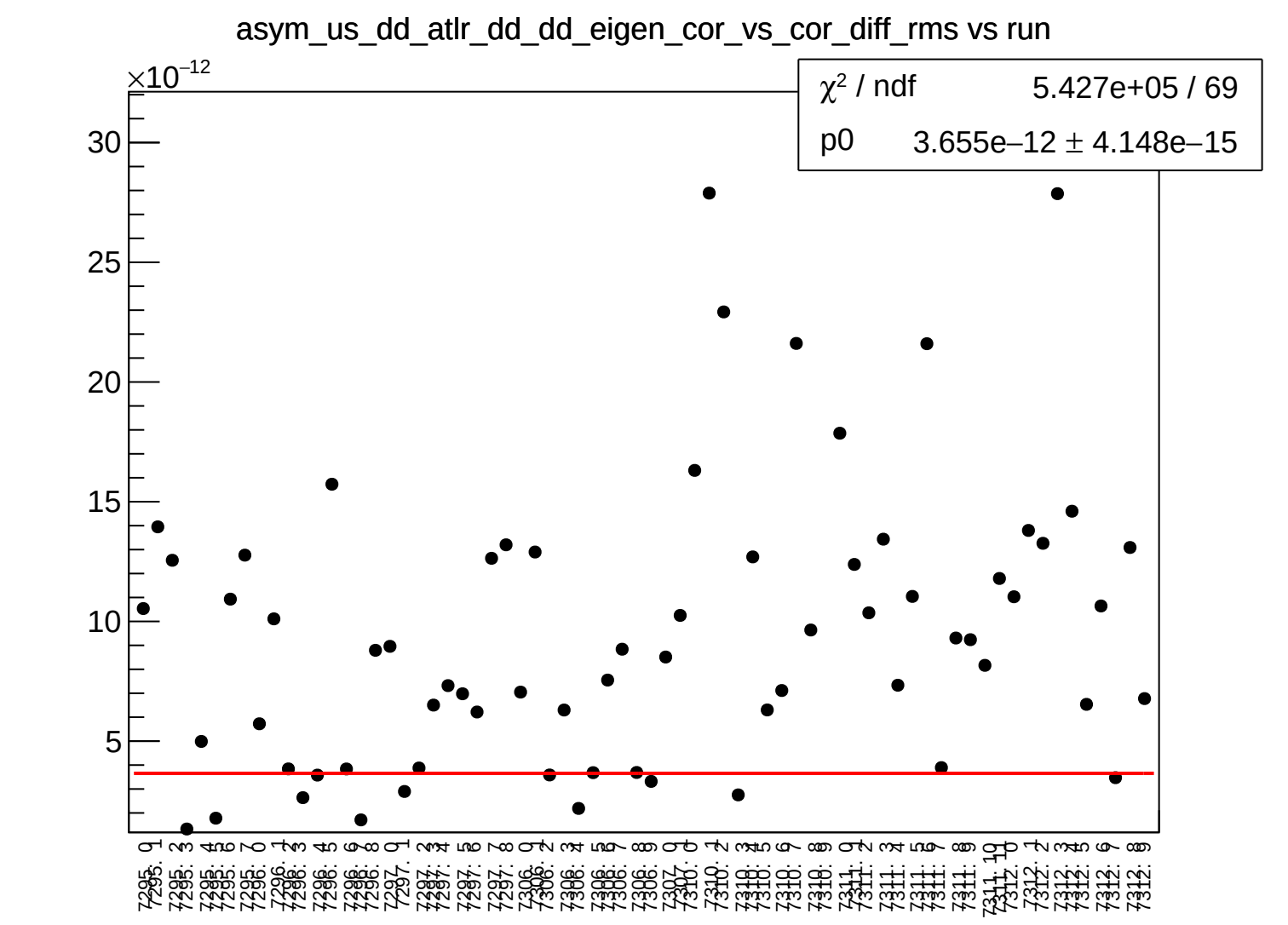

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 69
p0 0.008522 ± 0.3255
pull
Entries 70
Mean 80.23
Std Dev 0

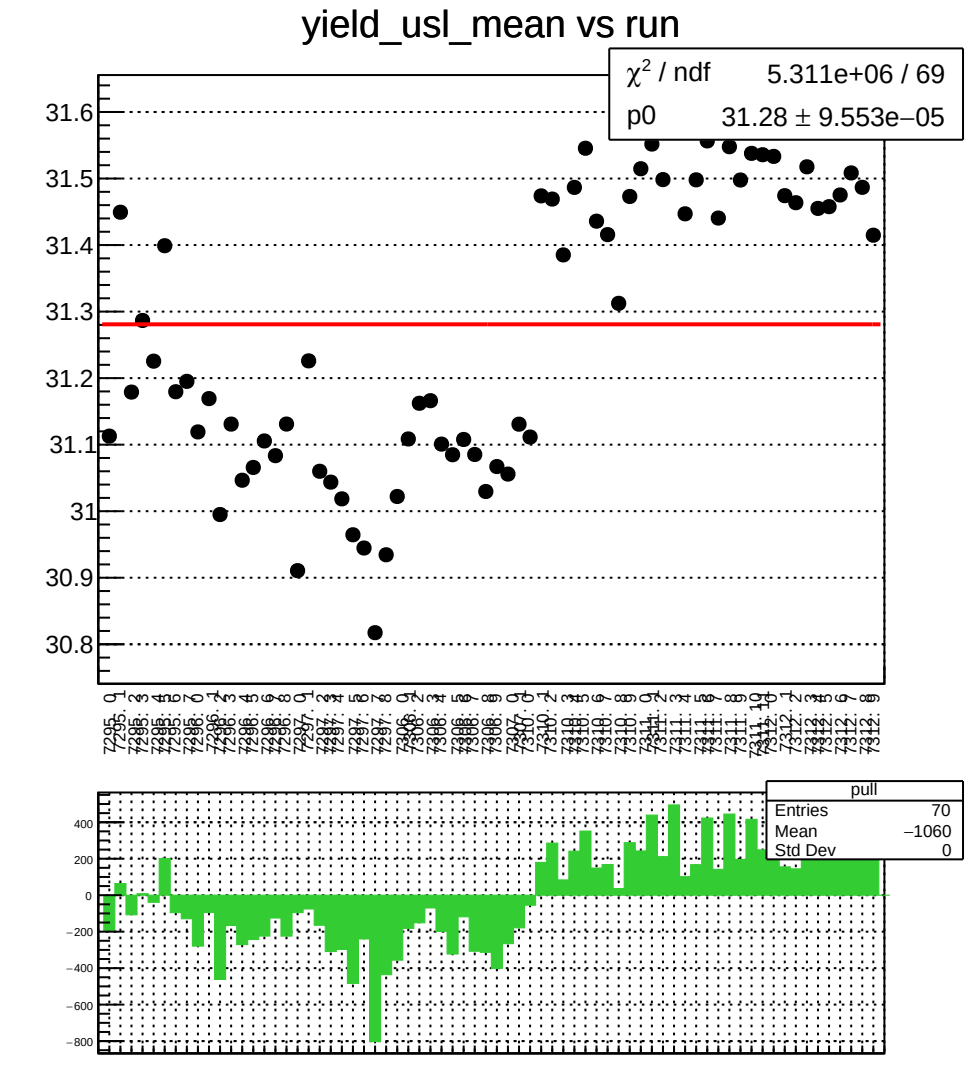

pull1D
Entries 70
Mean 0.03656
Std Dev 0.9626

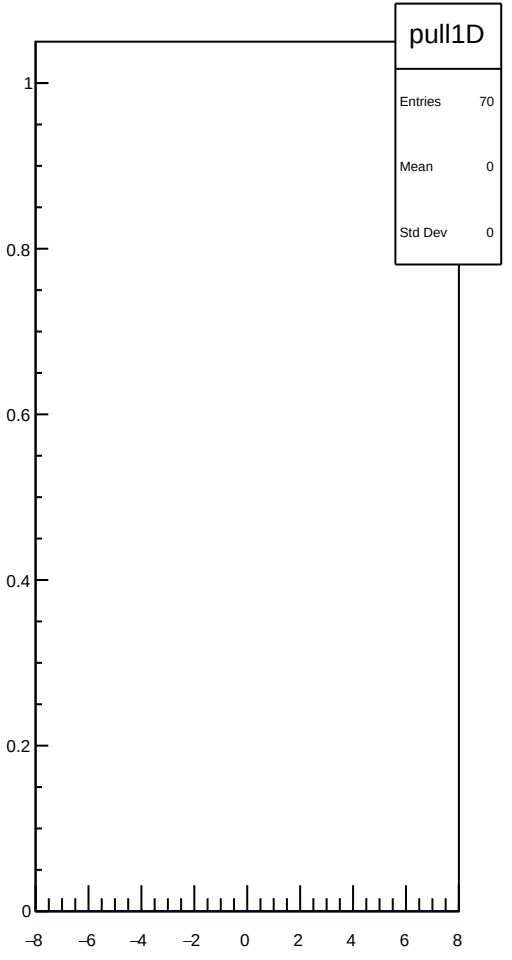

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.298e+05 / 69
p0 251 ± 0.2302
550
500
450
400
350
300
250
200
150

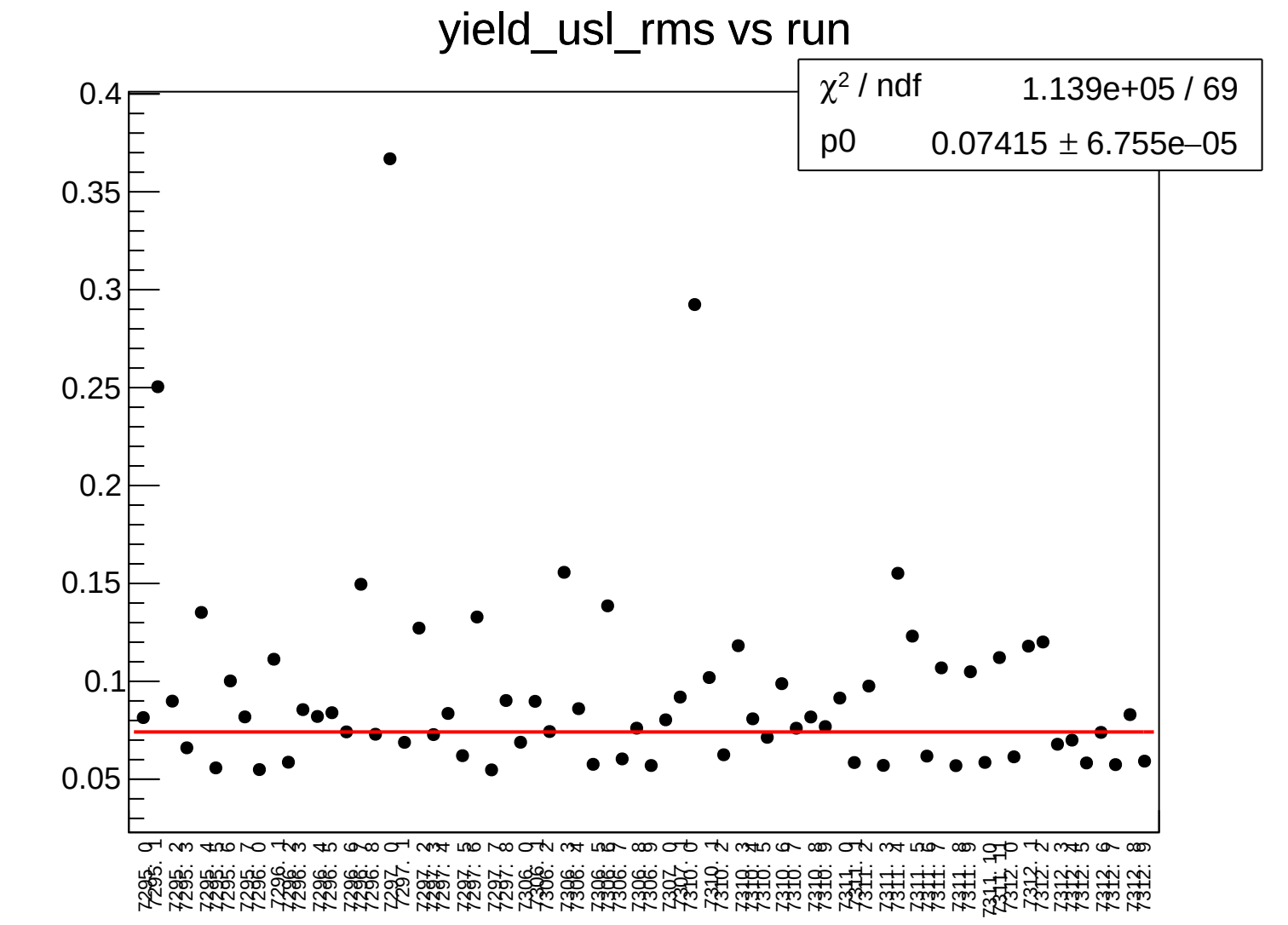

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.42 / 69
p0 −9.852e−15 ± 5.866e−15
pull
Entries 70
Mean 16.19
Std Dev 0

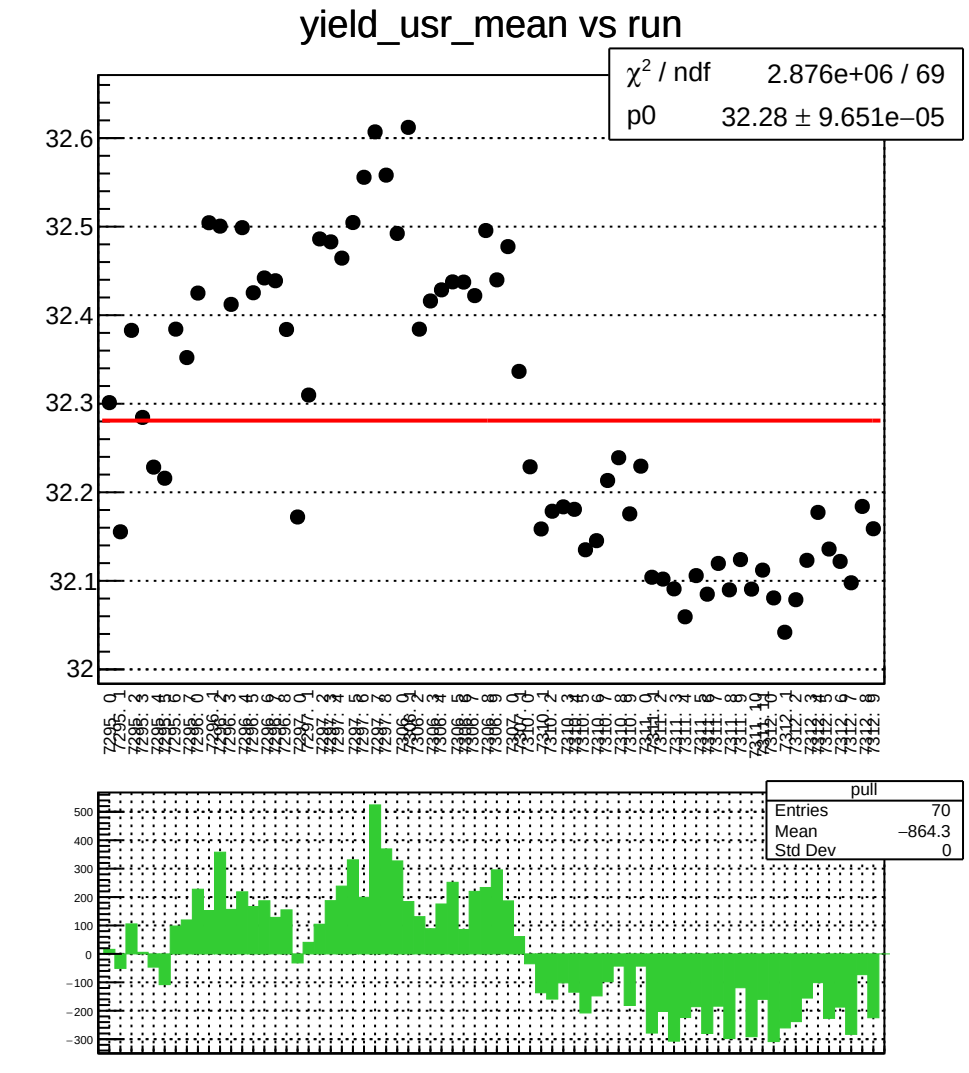

pull1D
Entries 70
Mean 0.09659
Std Dev 1.061

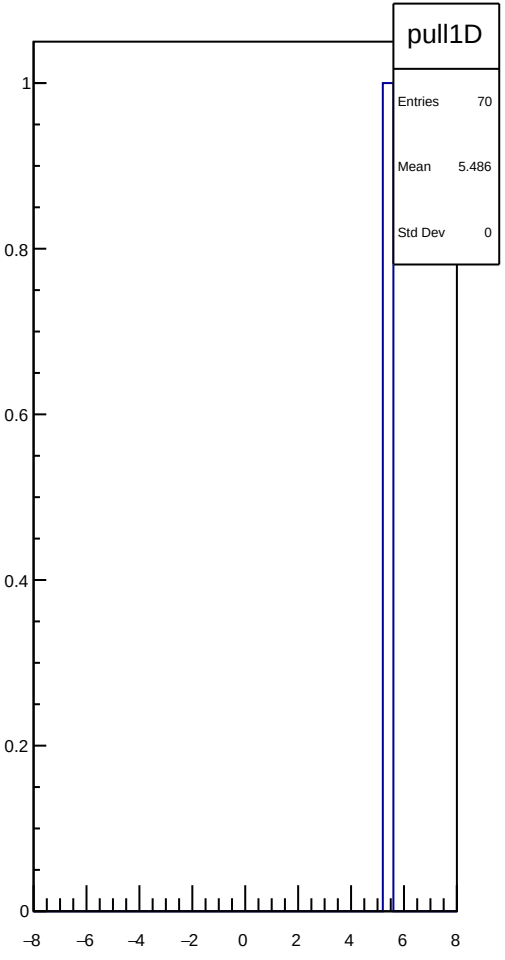

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.427e+05 / 69
p0 3.655e−12 ± 4.148e−15
30
25
20
15
10
5

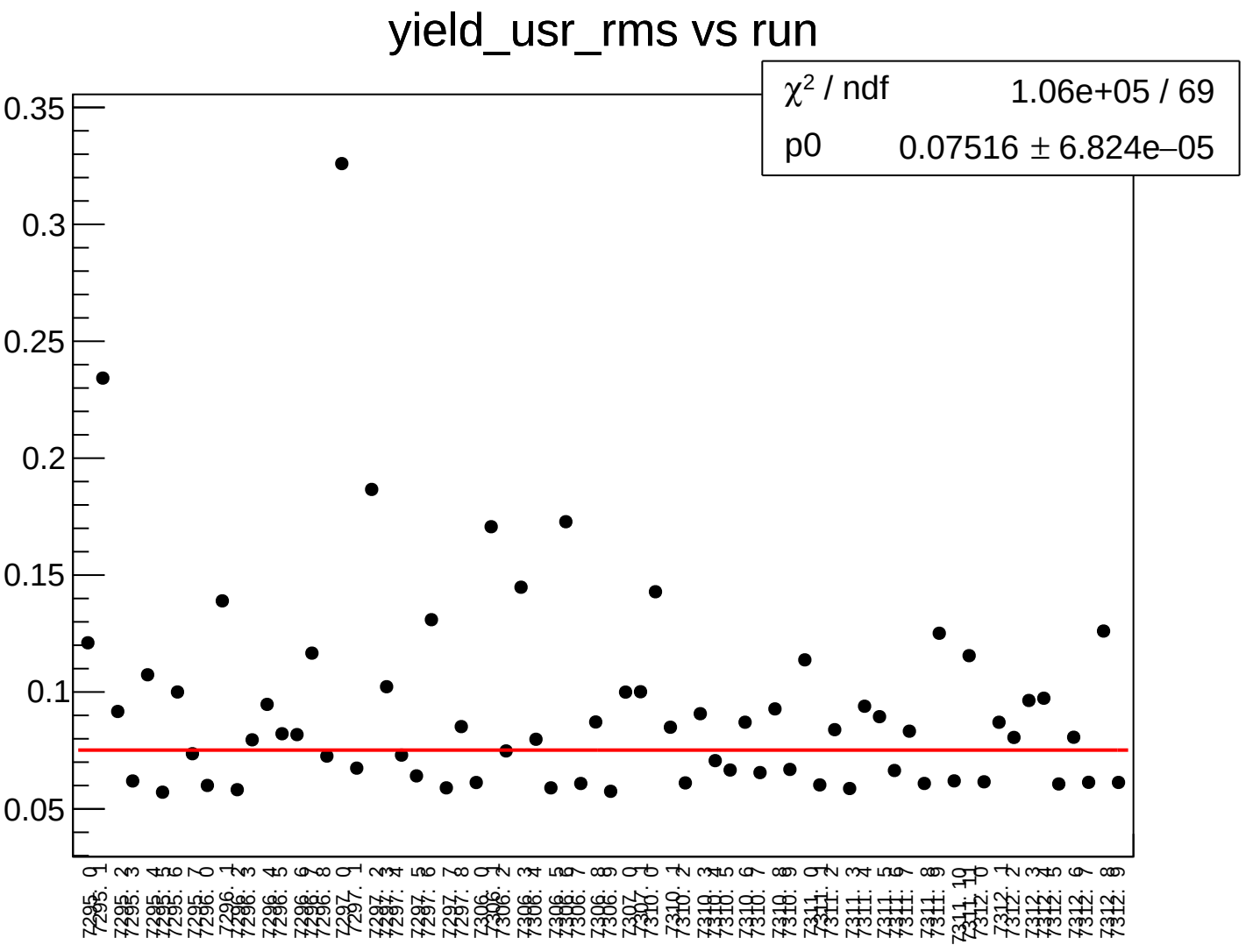

yield_usl_mean vs run
χ² / ndf 5.311e+06 / 69
p0 31.28 ± 9.553e−05
31.6
31.5
31.4
31.3
31.2
31.1
31
30.9
30.8
pull
Entries 70
Mean −1060
Std Dev 0
400
200
0
−200
−400
−600
−800

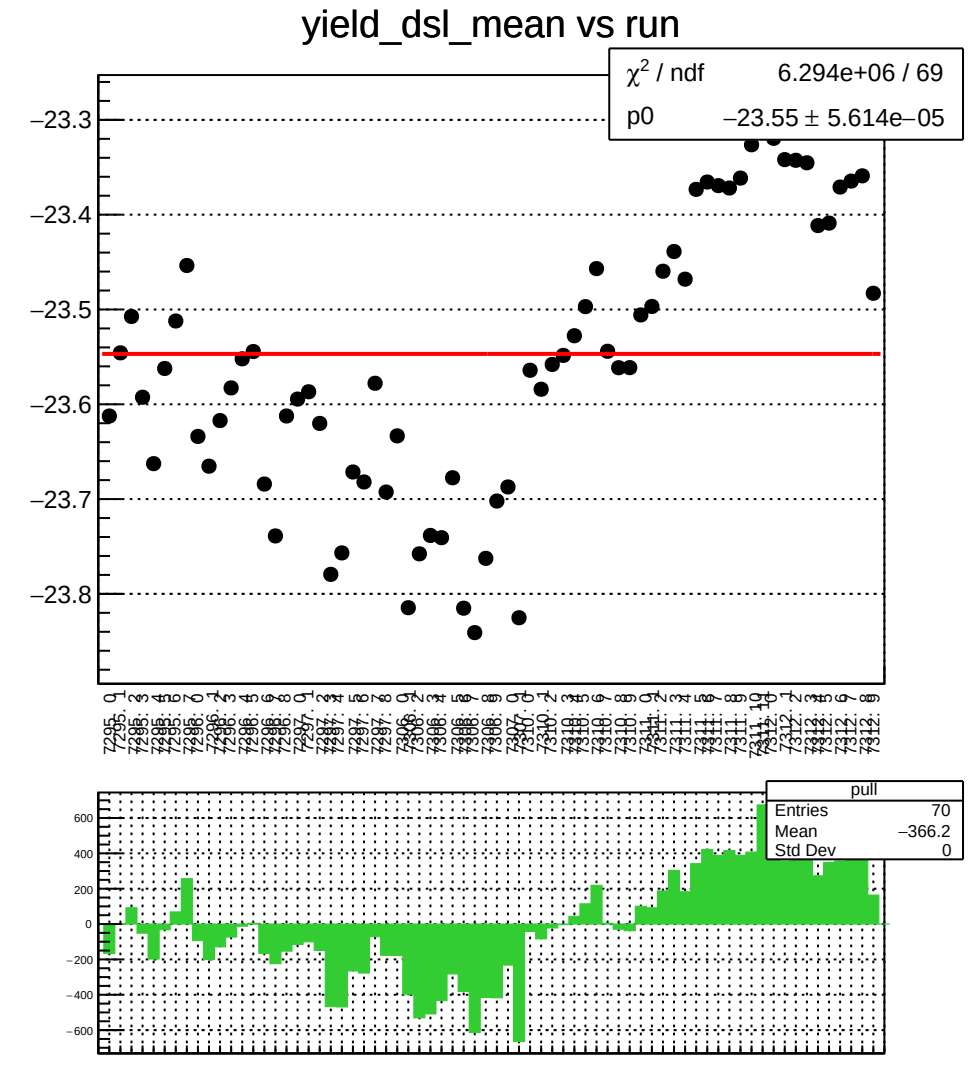

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

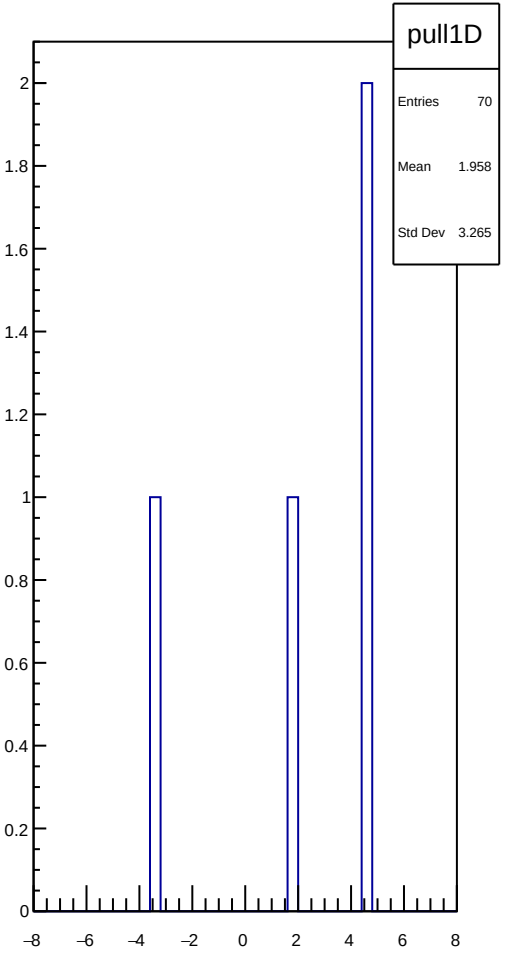

yield_usl_rms vs run
χ² / ndf 1.139e+05 / 69
p0 0.07415 ± 6.755e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

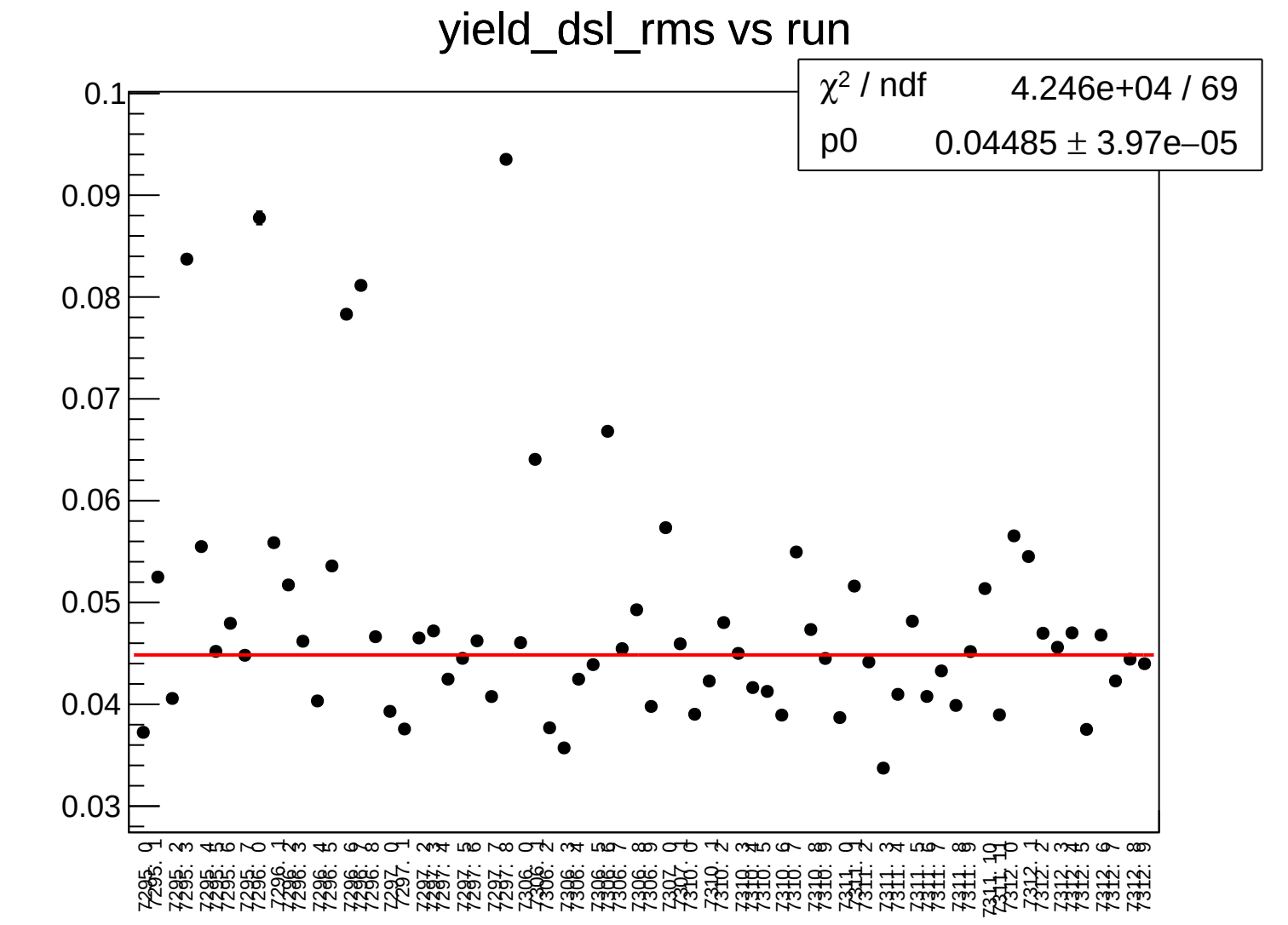

yield_usr_mean vs run
χ² / ndf 2.876e+06 / 69
p0 32.28 ± 9.651e−05
32.6
32.5
32.4
32.3
32.2
32.1
32
pull
Entries 70
Mean −864.3
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

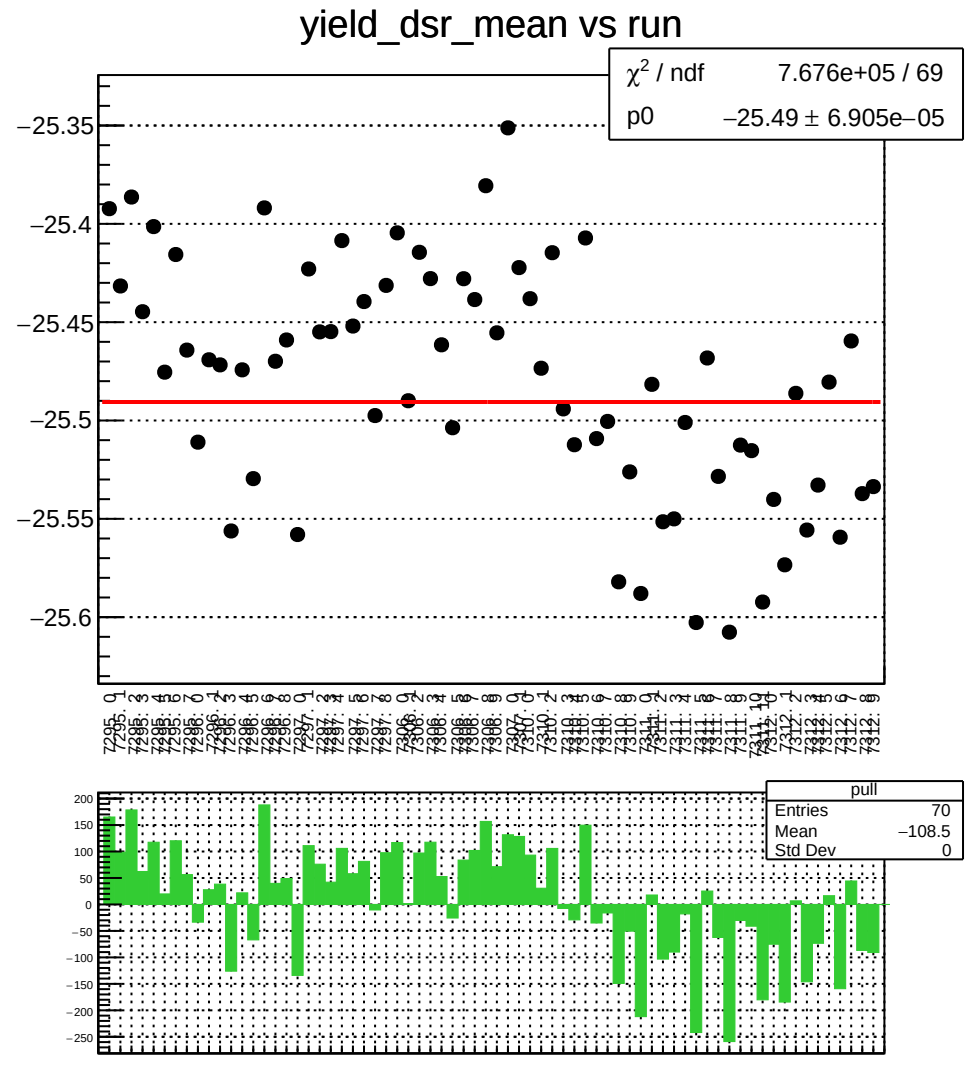

pull1D
Entries 70
Mean 5.486
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

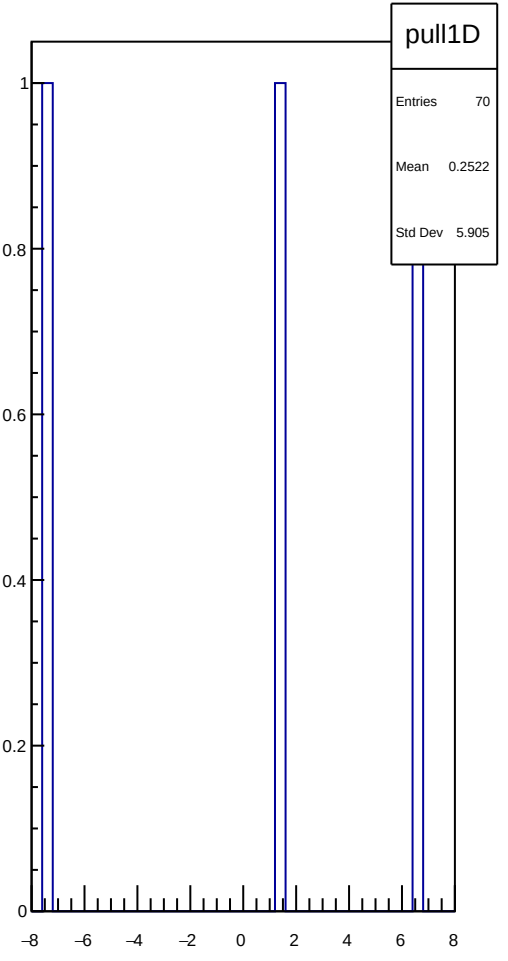

yield_usr_rms vs run
χ² / ndf 1.06e+05 / 69
p0 0.07516 ± 6.824e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

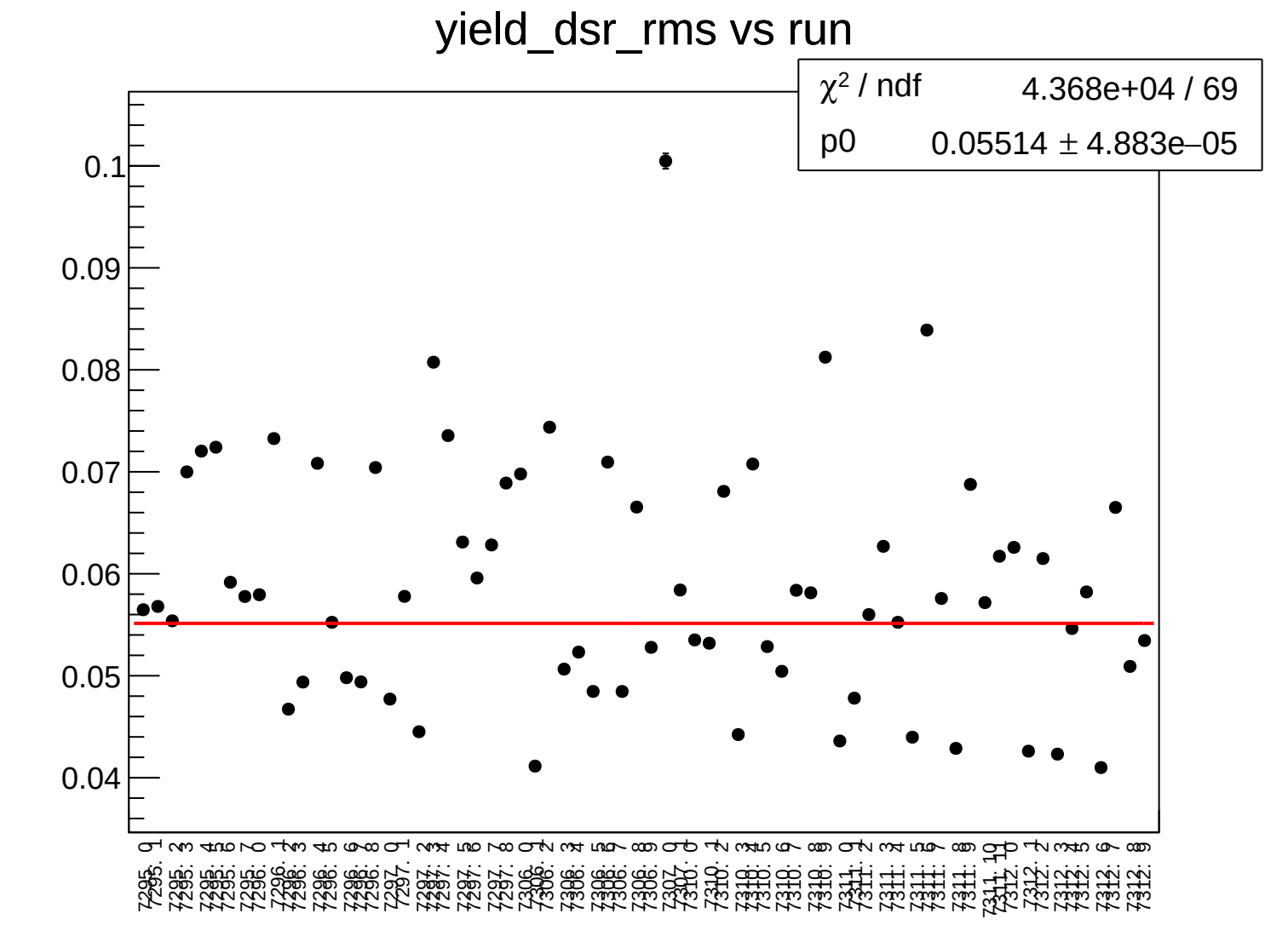

yield_dsl_mean vs run
χ² / ndf 6.294e+06 / 69
p0 −23.55 ± 5.614e−05
−23.3
−23.4
−23.5
−23.6
−23.7
−23.8
pull
Entries 70
Mean −366.2
Std Dev 0
600
400
200
0
−200
−400
−600

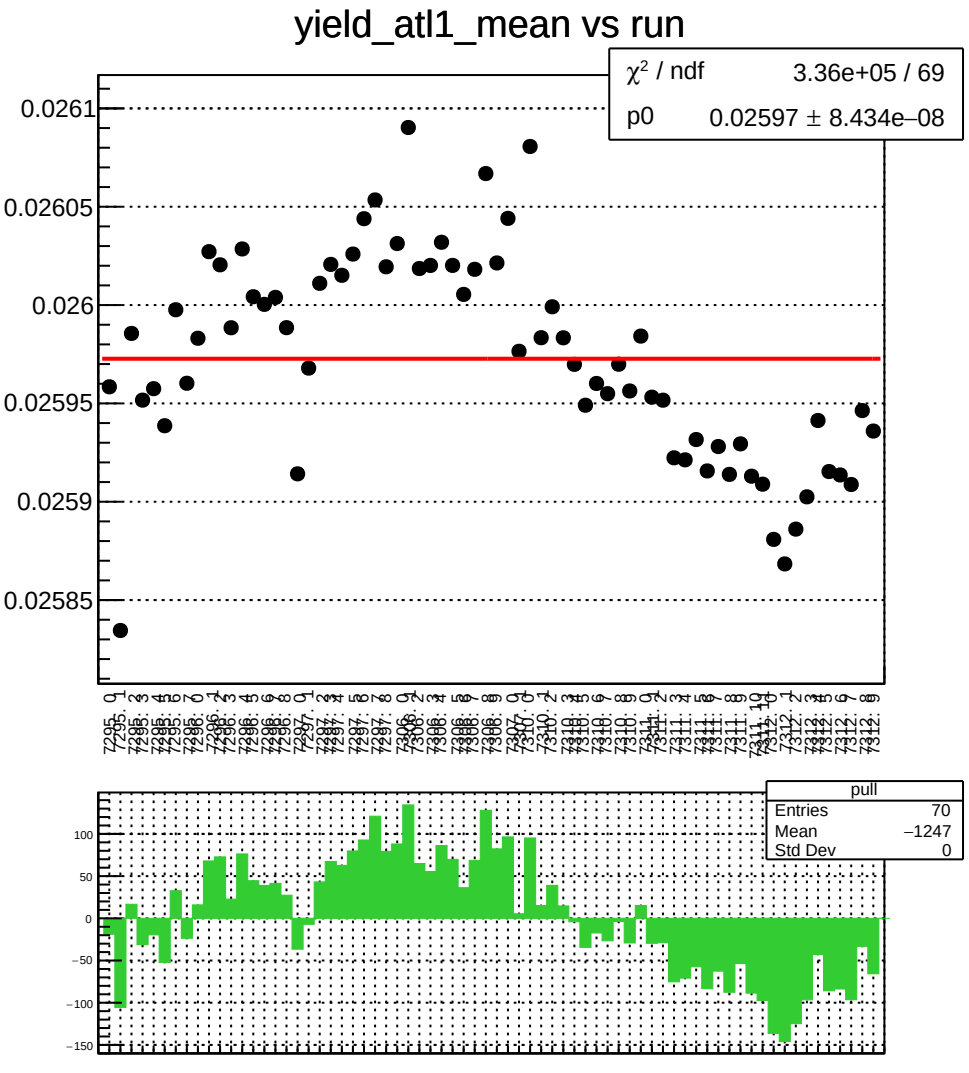

pull1D
Entries 70
Mean 1.958
Std Dev 3.265
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

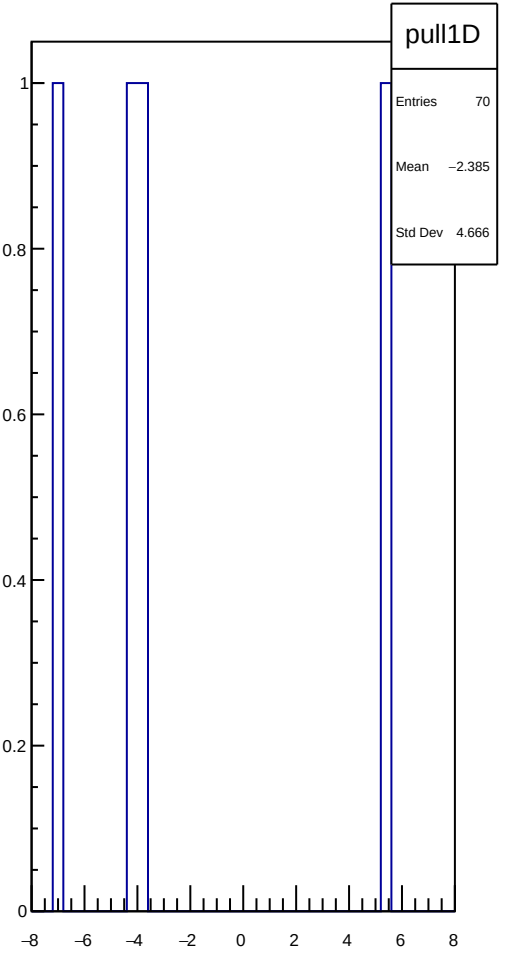

yield_dsl_rms vs run
χ^2 / ndf 4.246e+04 / 69
p0 0.04485 ± 3.97e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

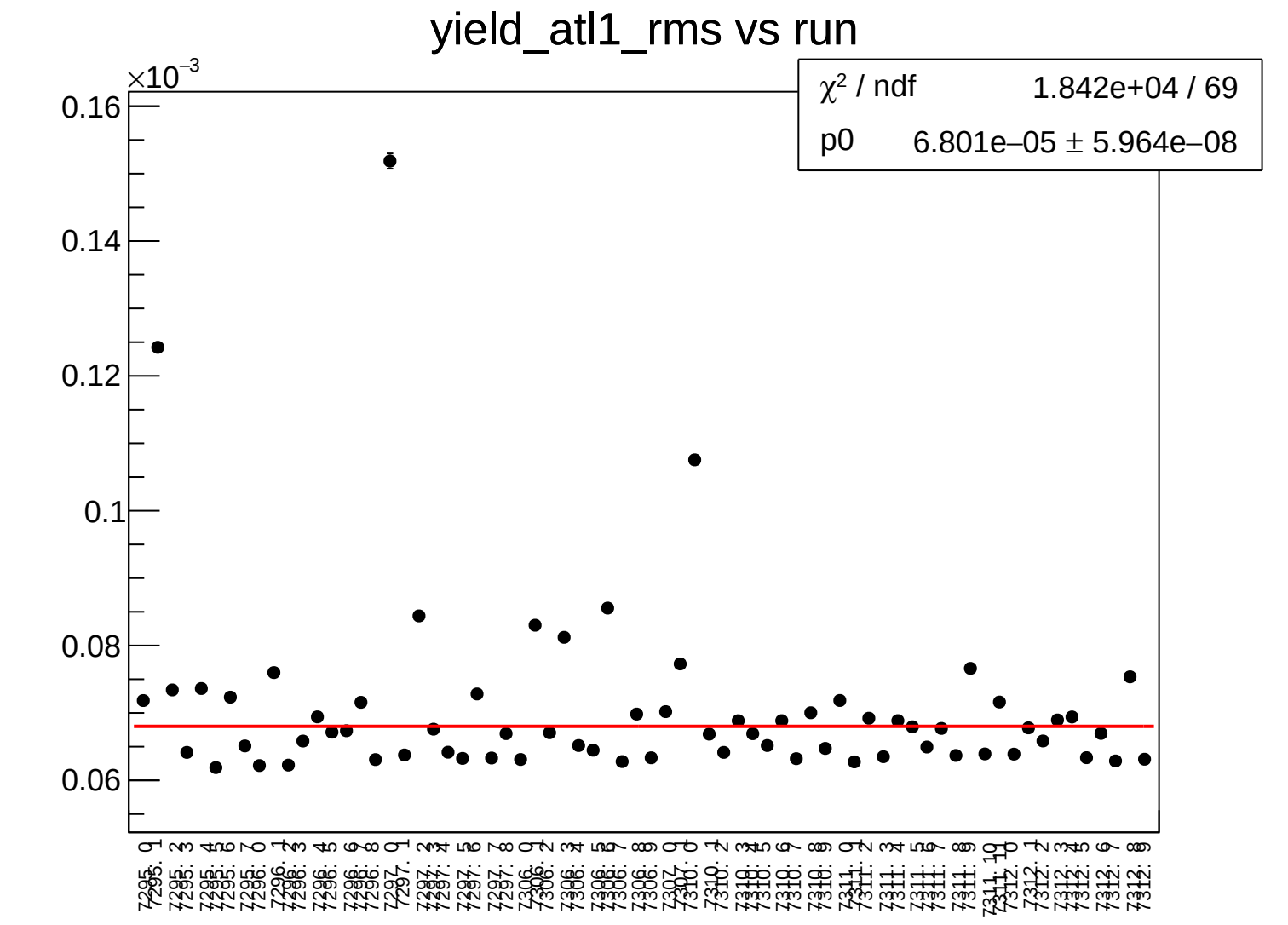

yield_dsr_mean vs run
χ² / ndf 7.676e+05 / 69
p0 −25.49 ± 6.905e−05
−25.35
−25.4
−25.45
−25.5
−25.55
−25.6
pull
Entries 70
Mean −108.5
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

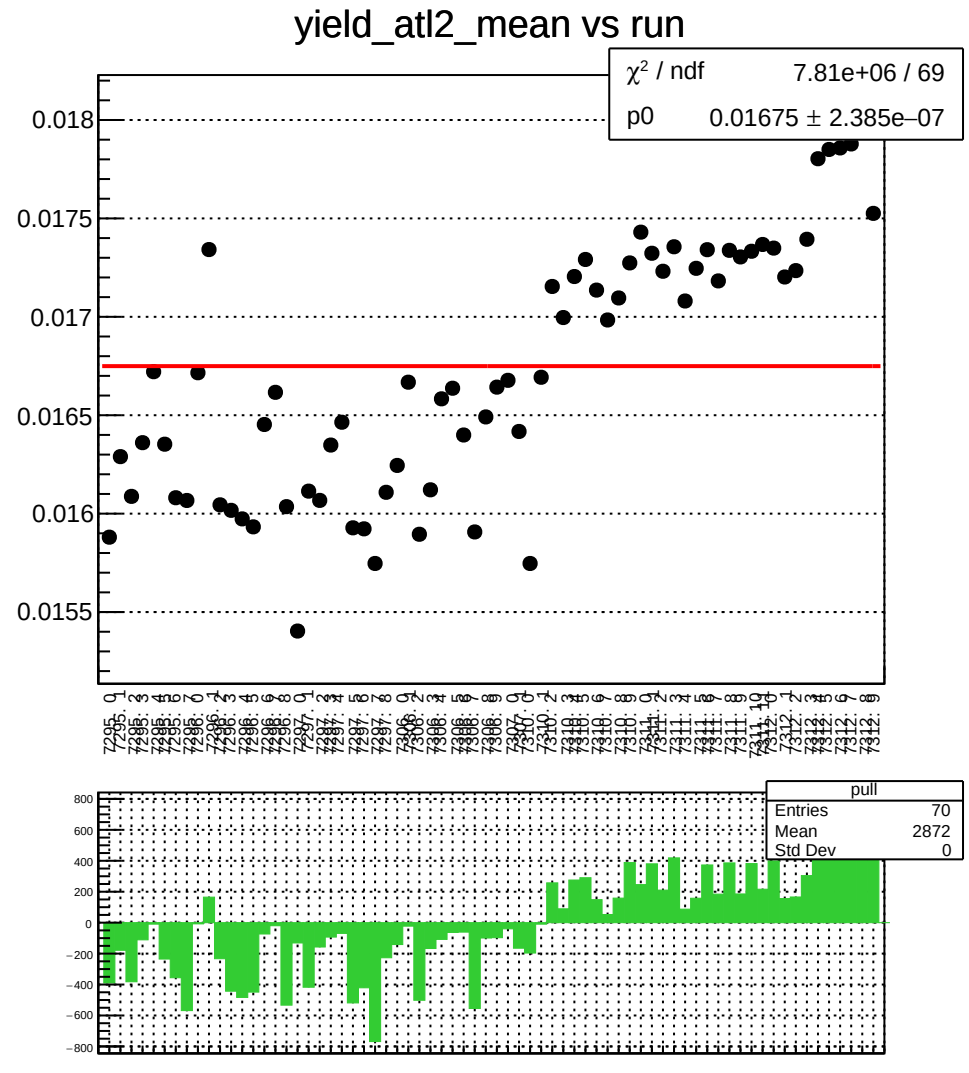

pull1D
Entries 70
Mean 0.2522
Std Dev 5.905
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

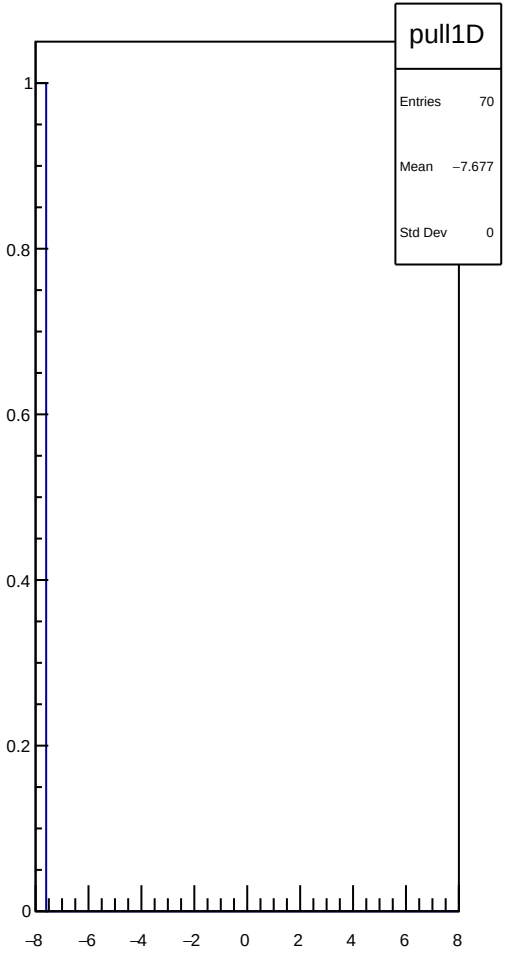

yield_dsr_rms vs run
χ² / ndf 4.368e+04 / 69
p0 0.05514 ± 4.883e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

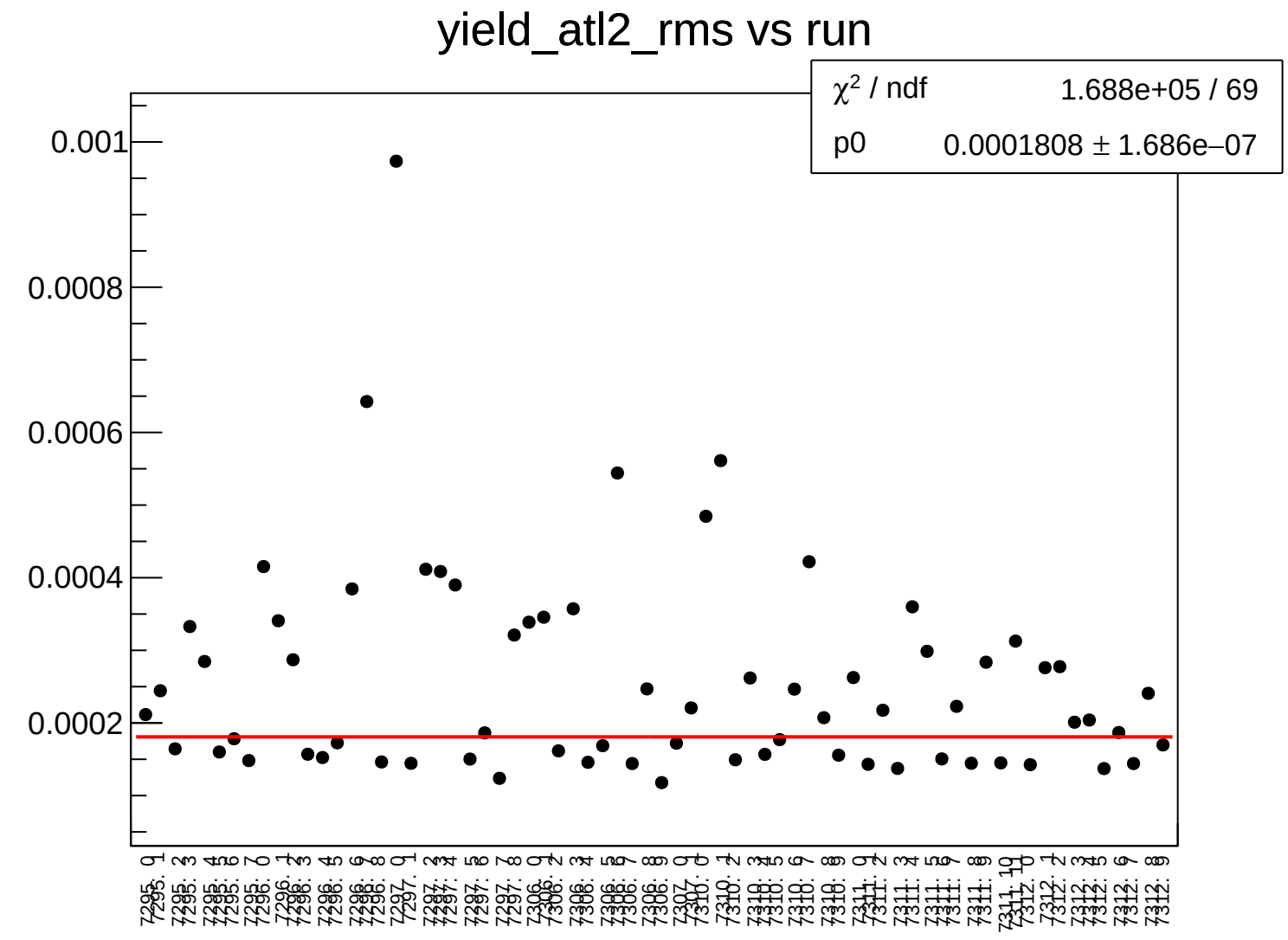

yield_atl1_mean vs run
χ² / ndf 3.36e+05 / 69
p0 0.02597 ± 8.434e−08
0.0261
0.02605
0.026
0.02595
0.0259
0.02585
pull
Entries 70
Mean −1247
Std Dev 0
100
50
0
−50
−100
−150

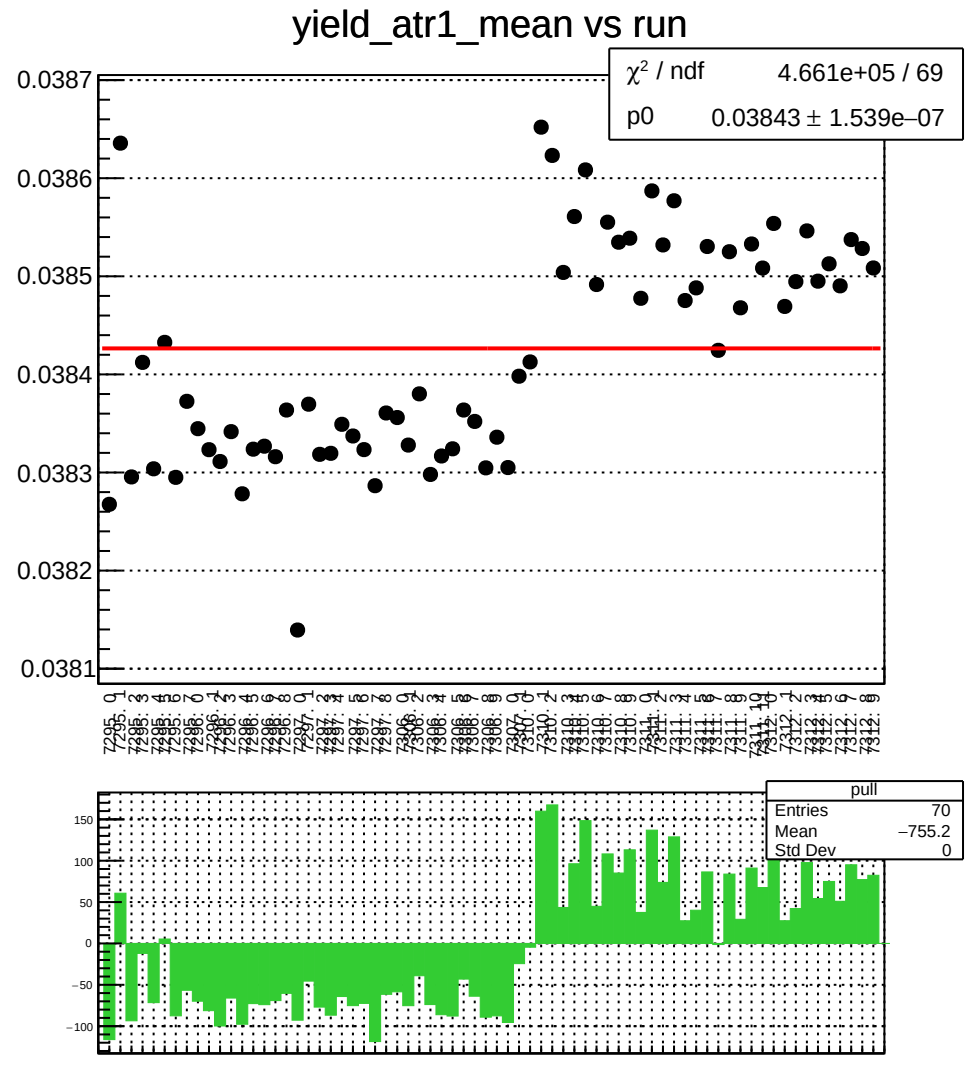

pull1D
Entries 70
Mean −2.385
Std Dev 4.666
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

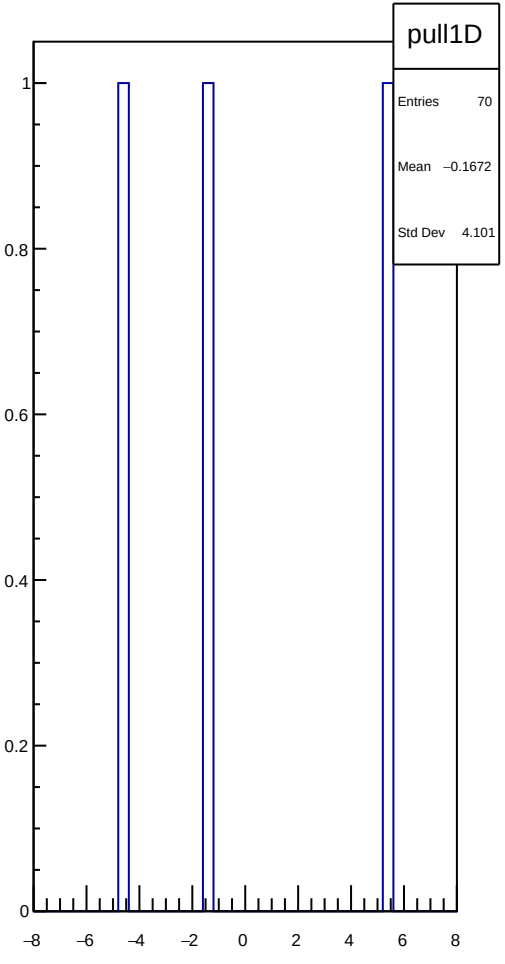

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.842e+04 / 69
p0 6.801e−05 ± 5.964e−08
0.16
0.14
0.12
0.1
0.08
0.06

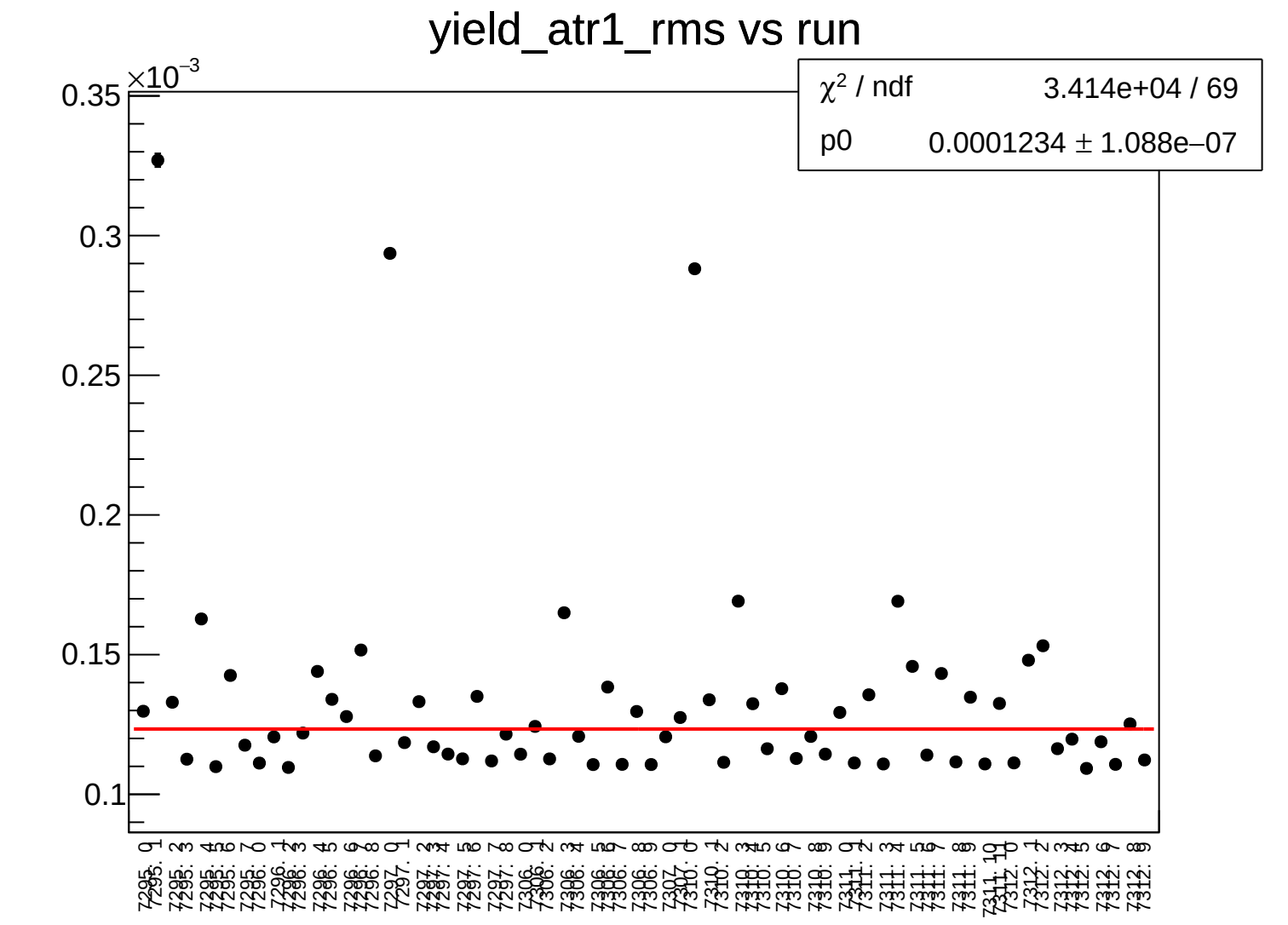

yield_atl2_mean vs run
χ² / ndf 7.81e+06 / 69
p0 0.01675 ± 2.385e−07
0.018
0.0175
0.017
0.0165
0.016
0.0155
pull
Entries 70
Mean 2872
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

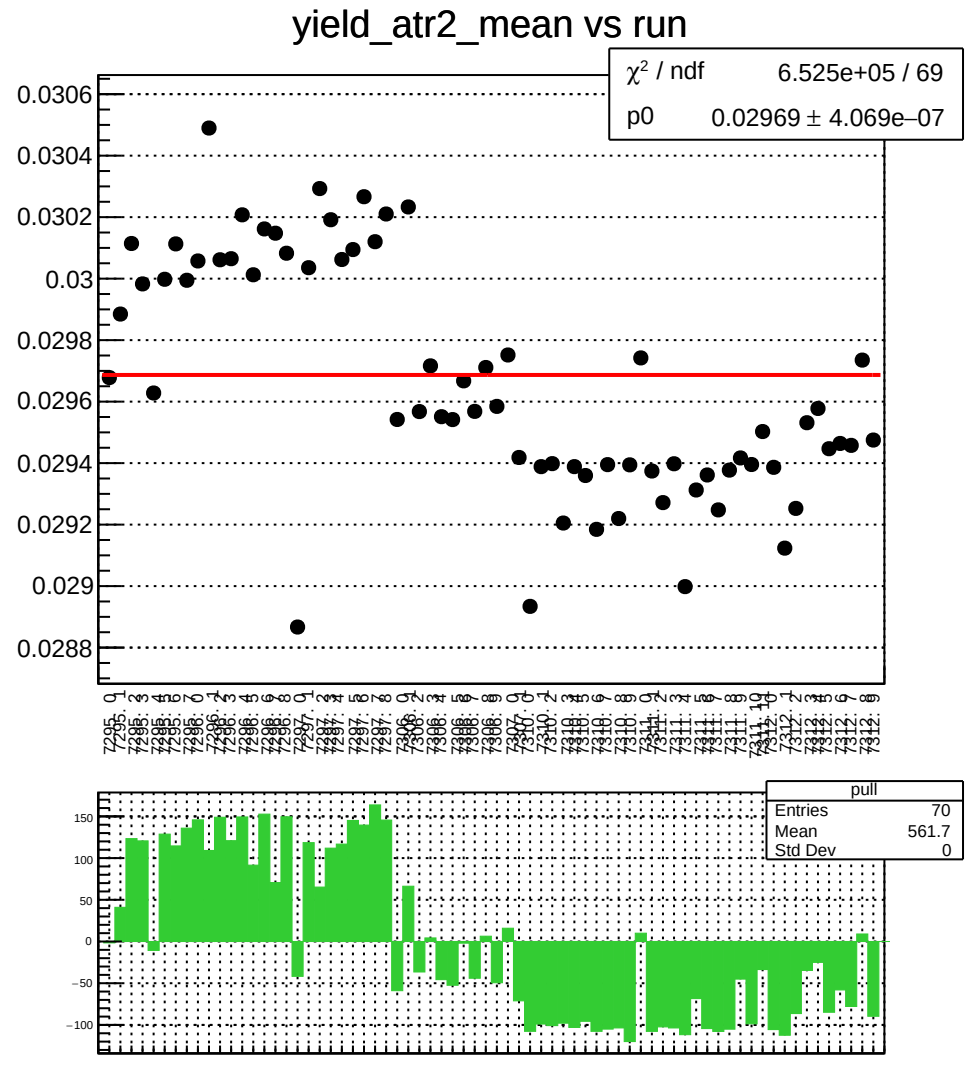

pull1D
Entries 70
Mean −7.677
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

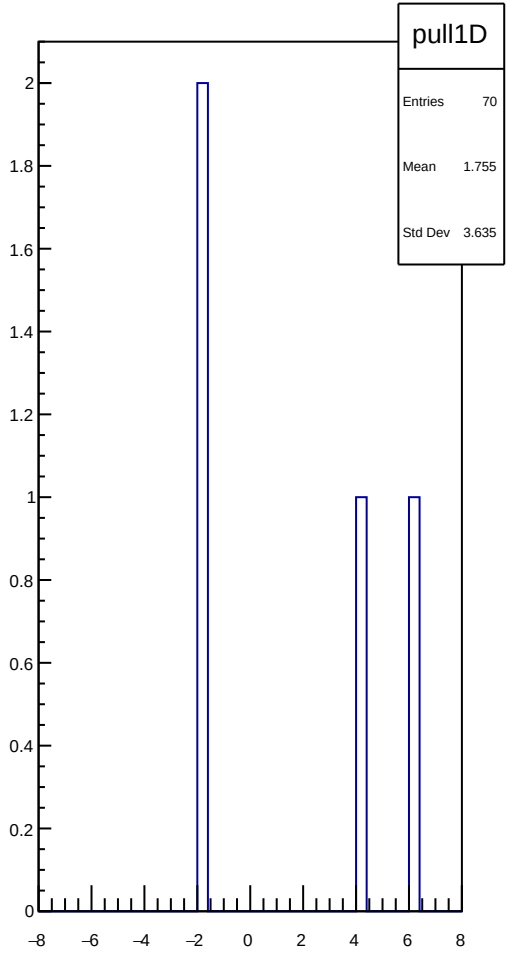

yield_atl2_rms vs run
χ² / ndf 1.688e+05 / 69
p0 0.0001808 ± 1.686e−07
0.001
0.0008
0.0006
0.0004
0.0002

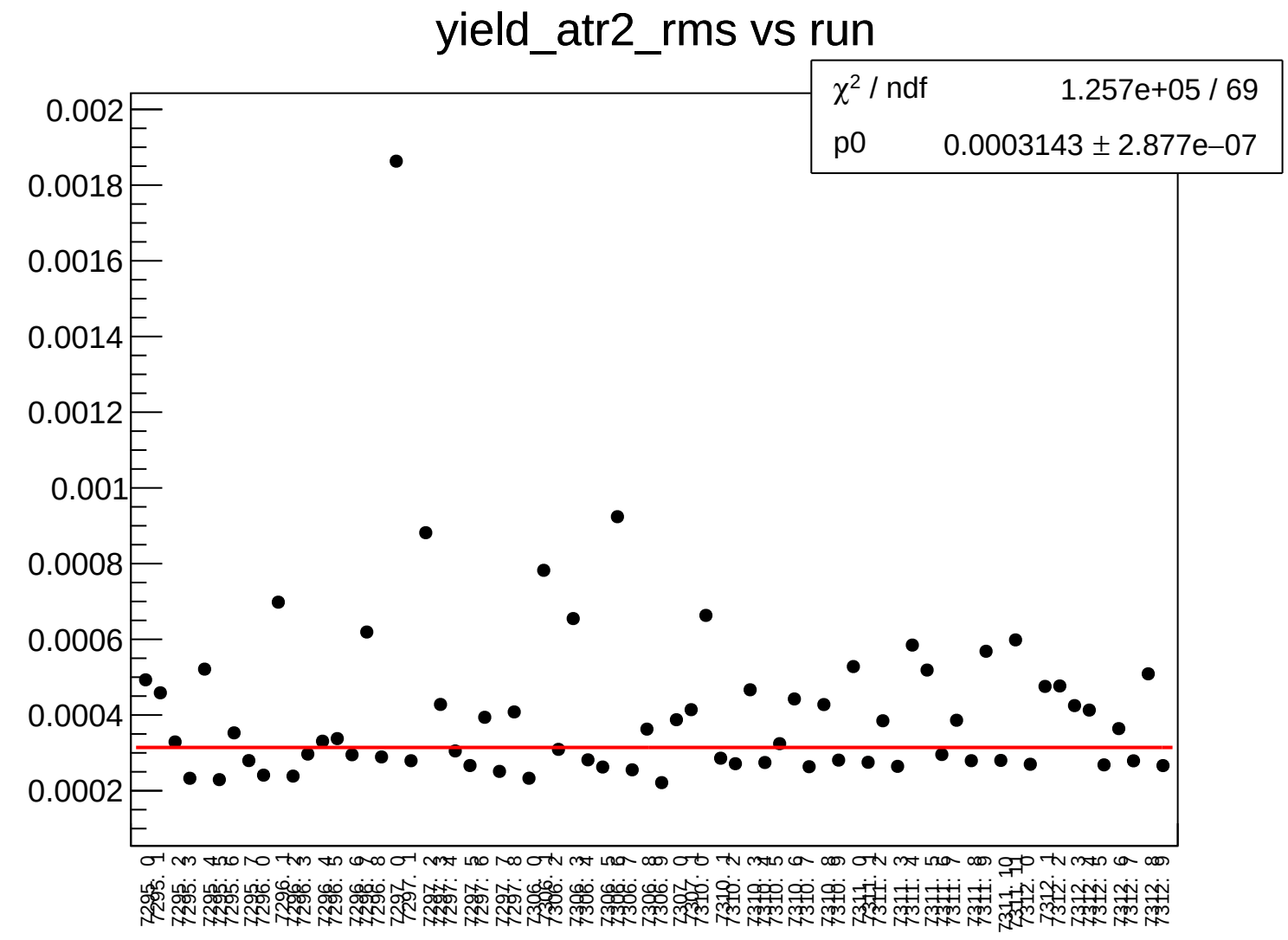

yield_atr1_mean vs run
χ² / ndf 4.661e+05 / 69
p0 0.03843 ± 1.539e−07
0.0387
0.0386
0.0385
0.0384
0.0383
0.0382
0.0381
pull
Entries 70
Mean −755.2
Std Dev 0
150
100
50
0
−50
−100

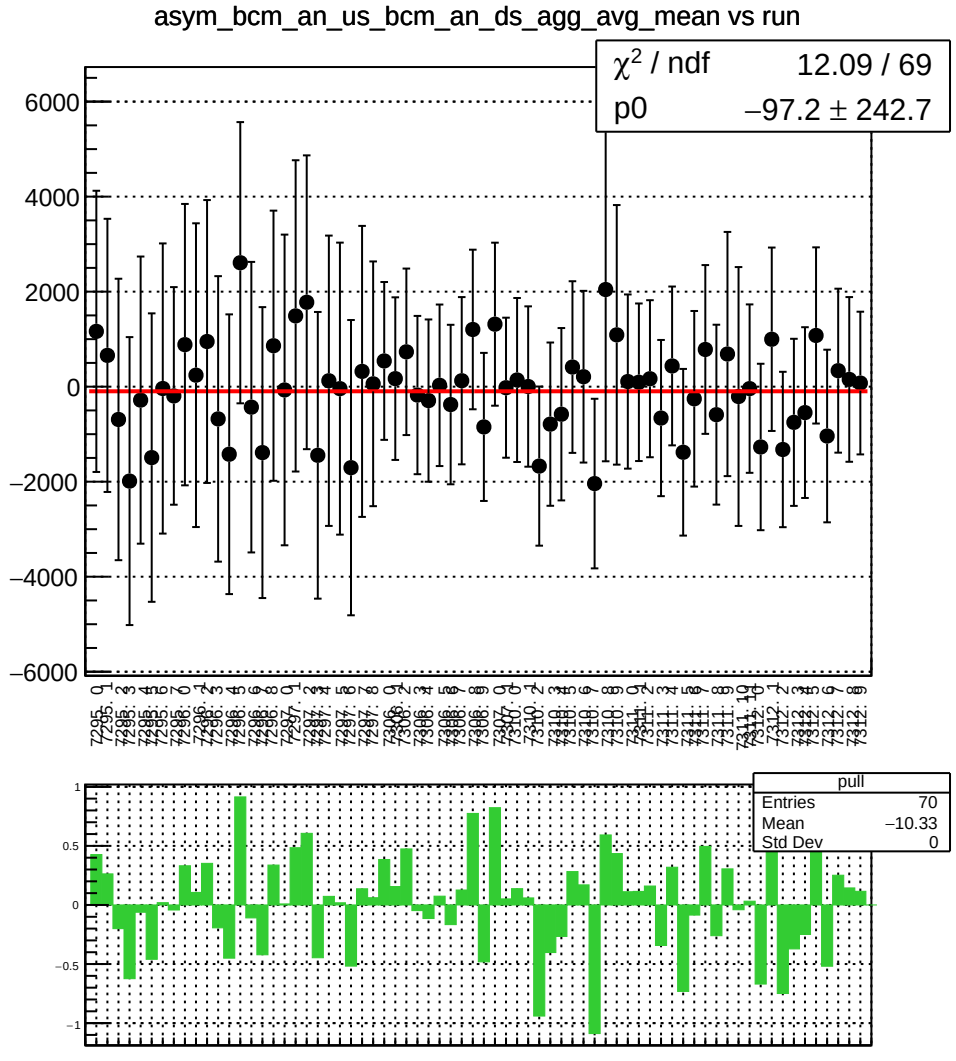

pull1D
Entries 70
Mean −0.1672
Std Dev 4.101
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

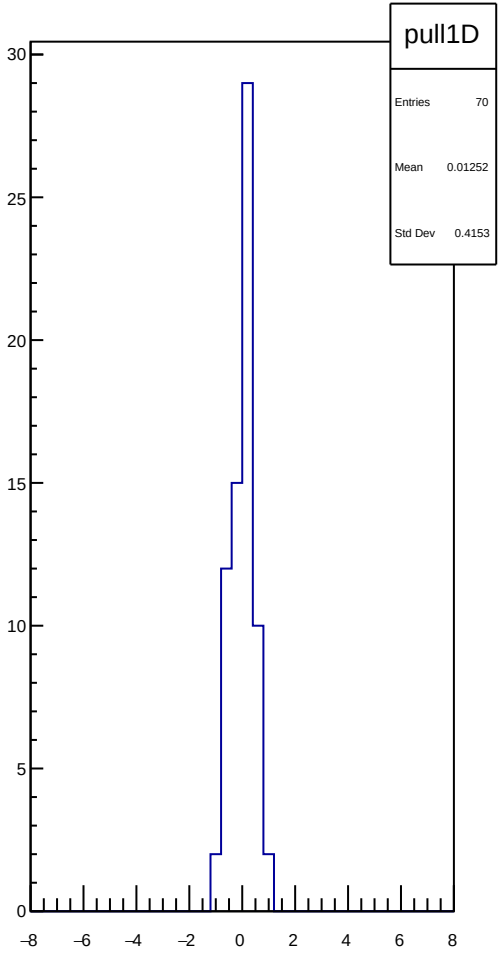

yield_atr1_rms vs run
χ^2 / ndf 3.414e+04 / 69
p0 0.0001234 ± 1.088e−07
×10⁻³
0.35
0.3
0.25
0.2
0.15
0.1

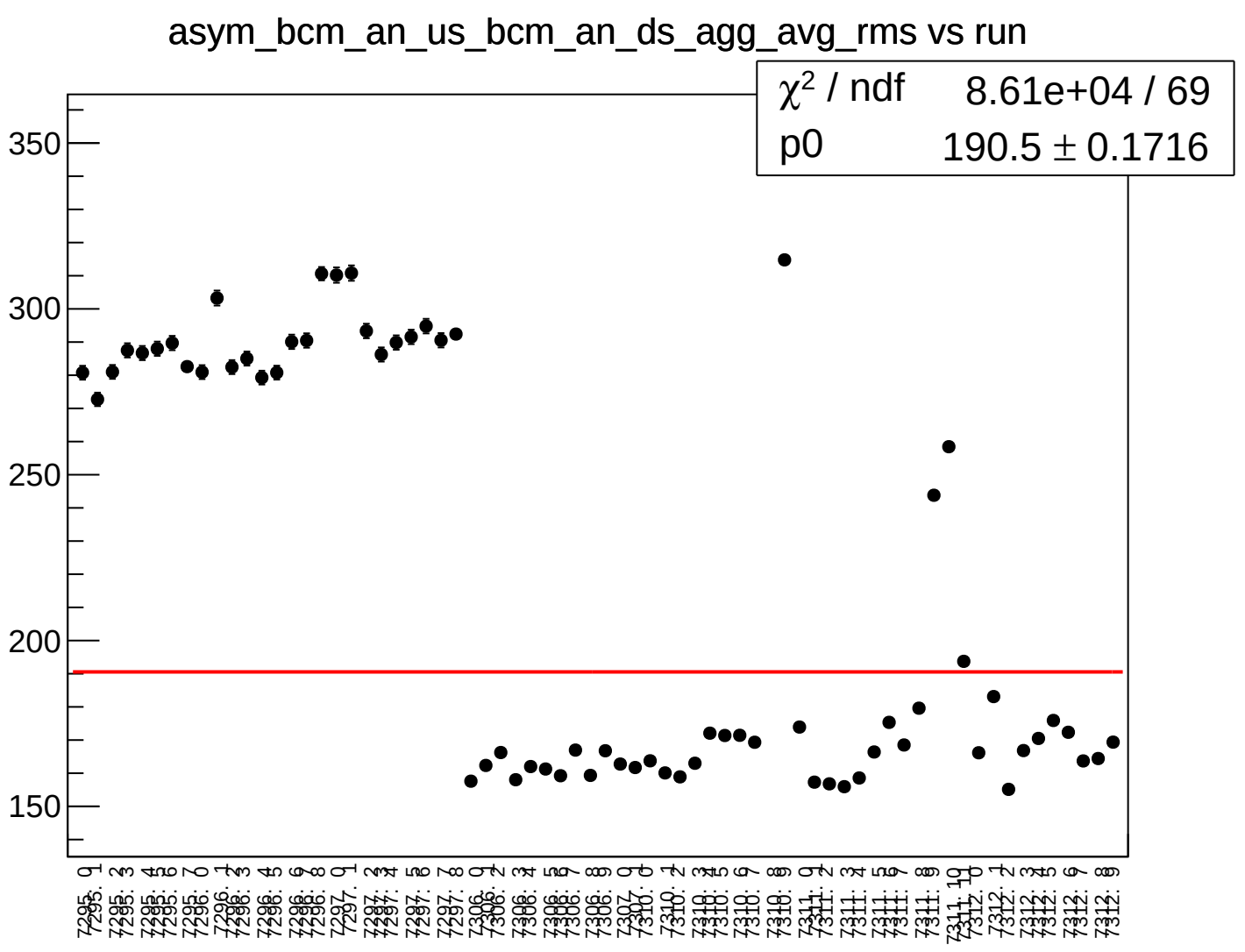

yield_atr2_mean vs run
χ² / ndf 6.525e+05 / 69
p0 0.02969 ± 4.069e−07
0.0306
0.0304
0.0302
0.03
0.0298
0.0296
0.0294
0.0292
0.029
0.0288
pull
Entries 70
Mean 561.7
Std Dev 0
150
100
50
0
−50
−100

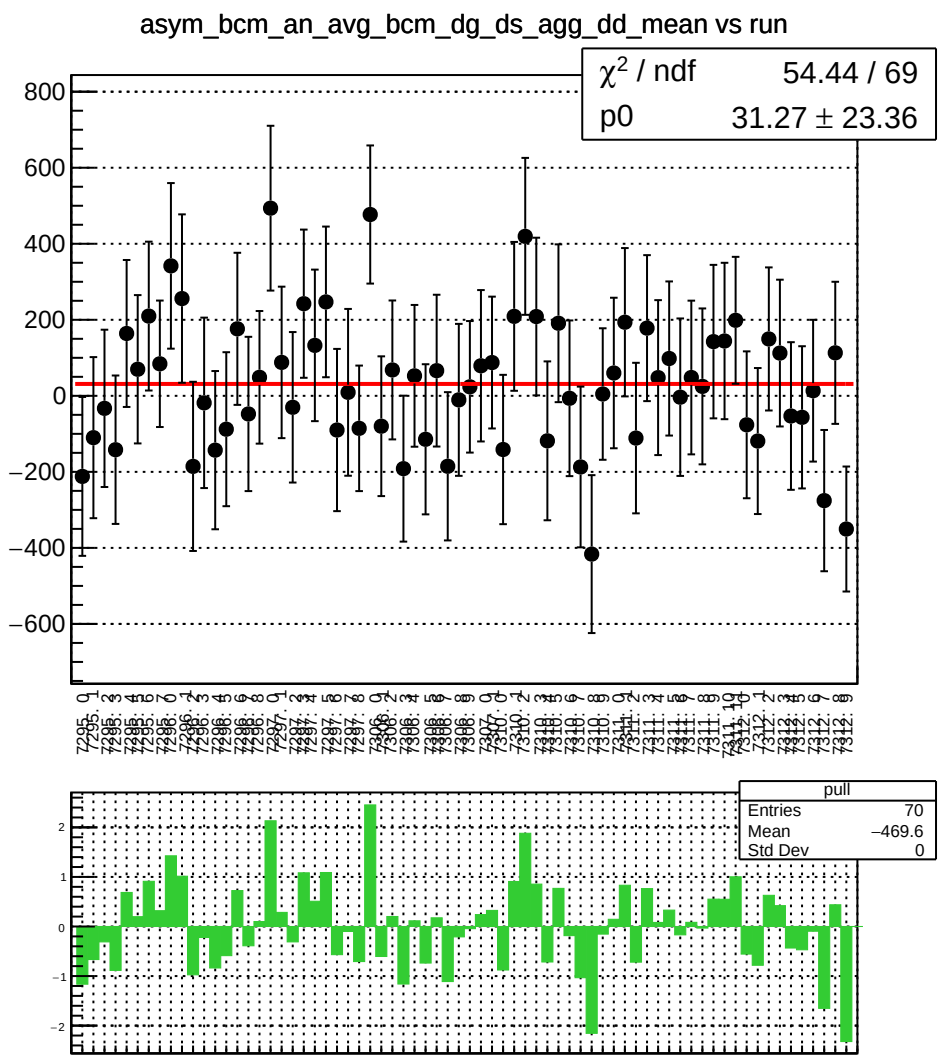

pull1D
Entries 70
Mean 1.755
Std Dev 3.635
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

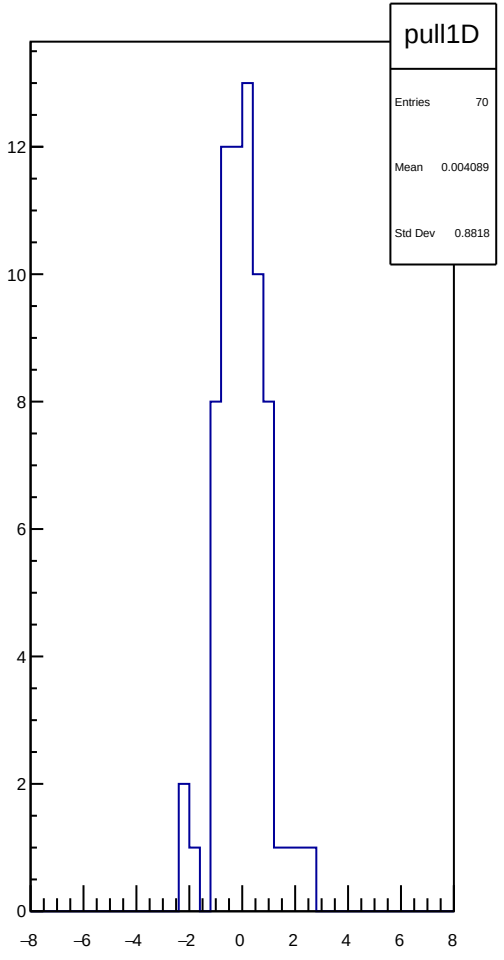

yield_atr2_rms vs run
χ² / ndf 1.257e+05 / 69
p0 0.0003143 ± 2.877e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002

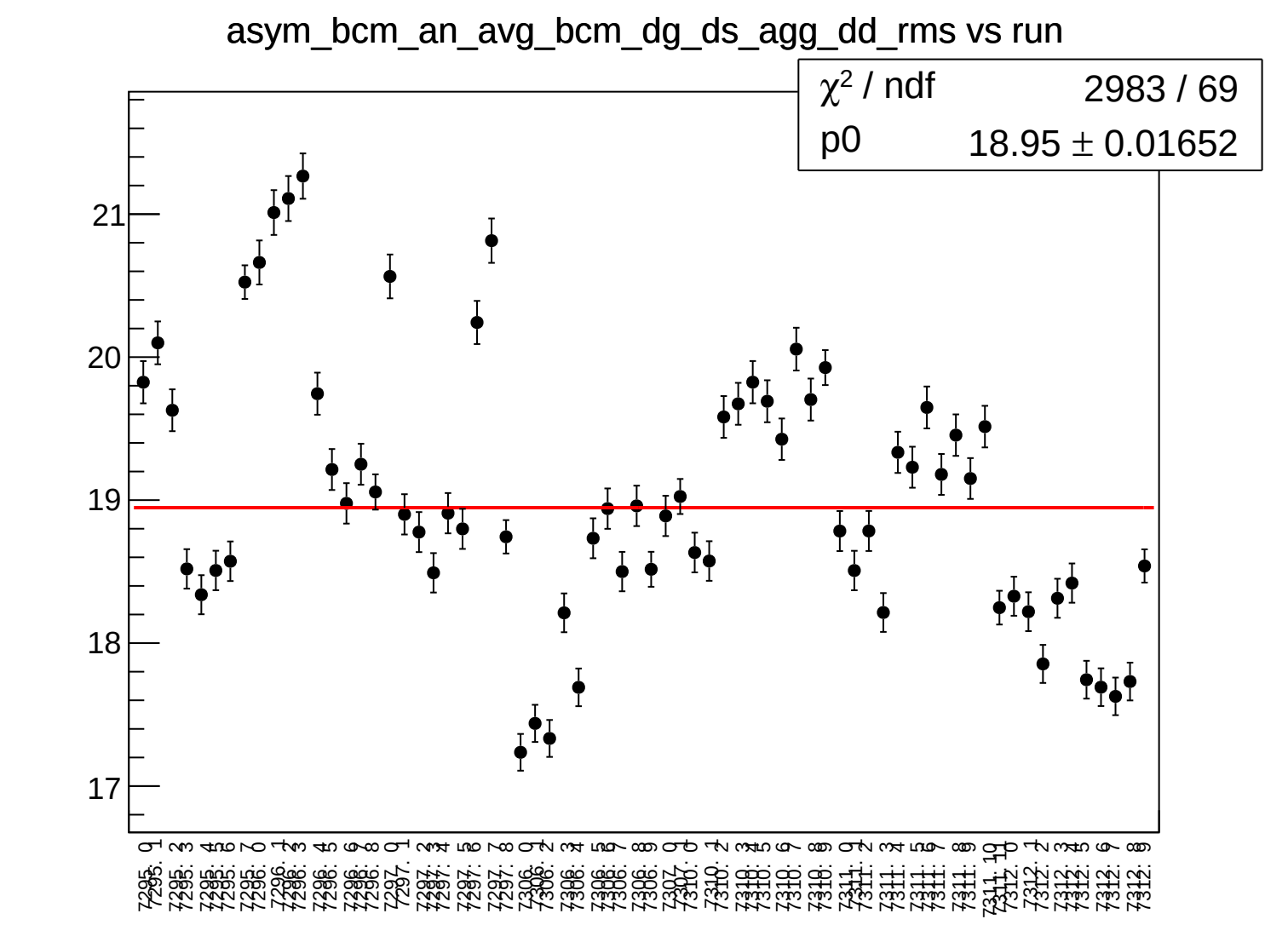

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.09 / 69
p0 −97.2 ± 242.7
pull
Entries 70
Mean −10.33
Std Dev 0

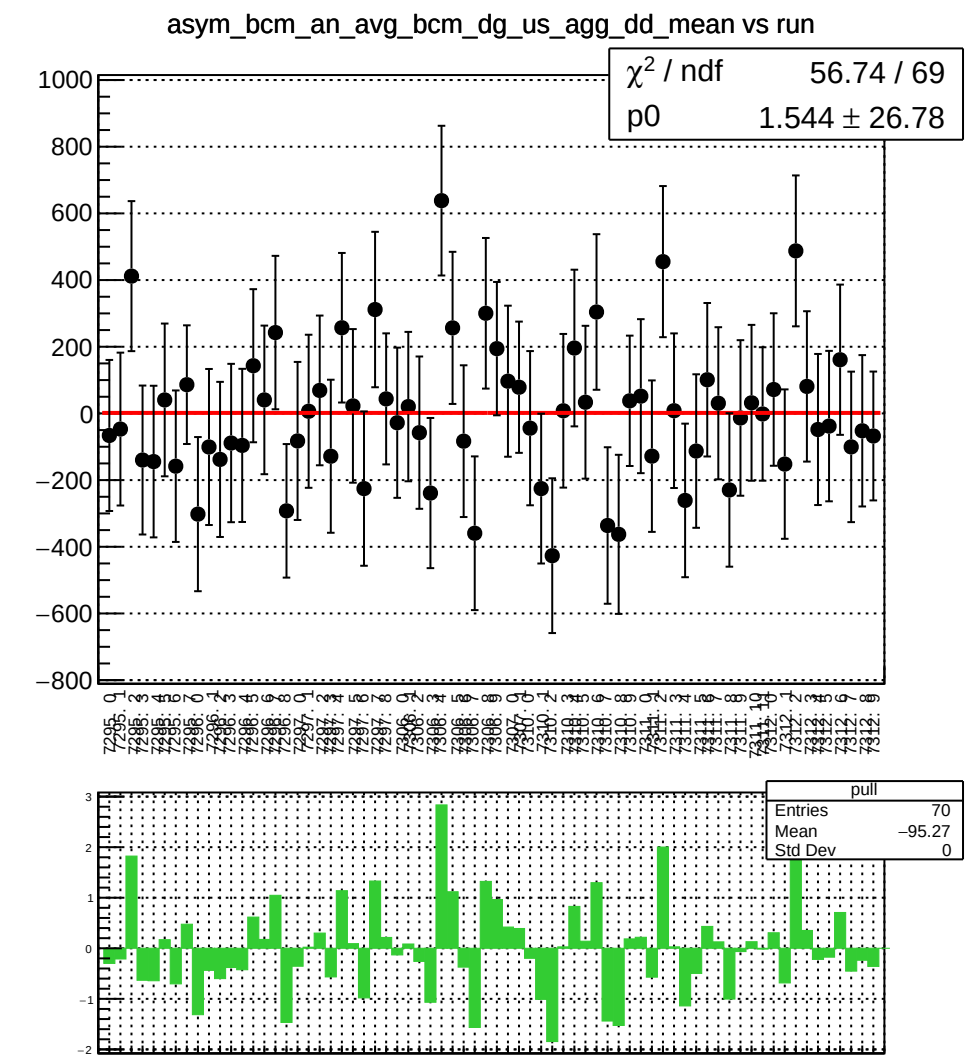

pull1D
Entries 70
Mean 0.01252
Std Dev 0.4153

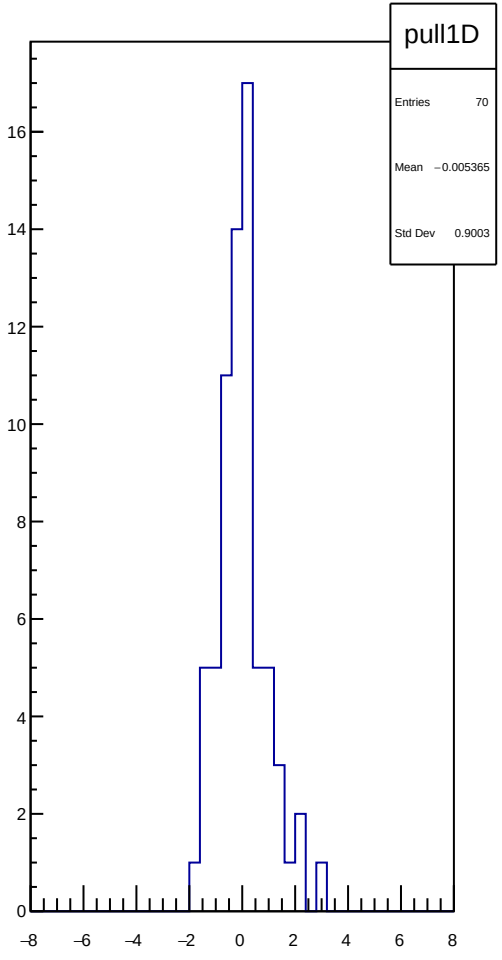

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8.61e+04 / 69
p0 190.5 ± 0.1716
350
300
250
200
150

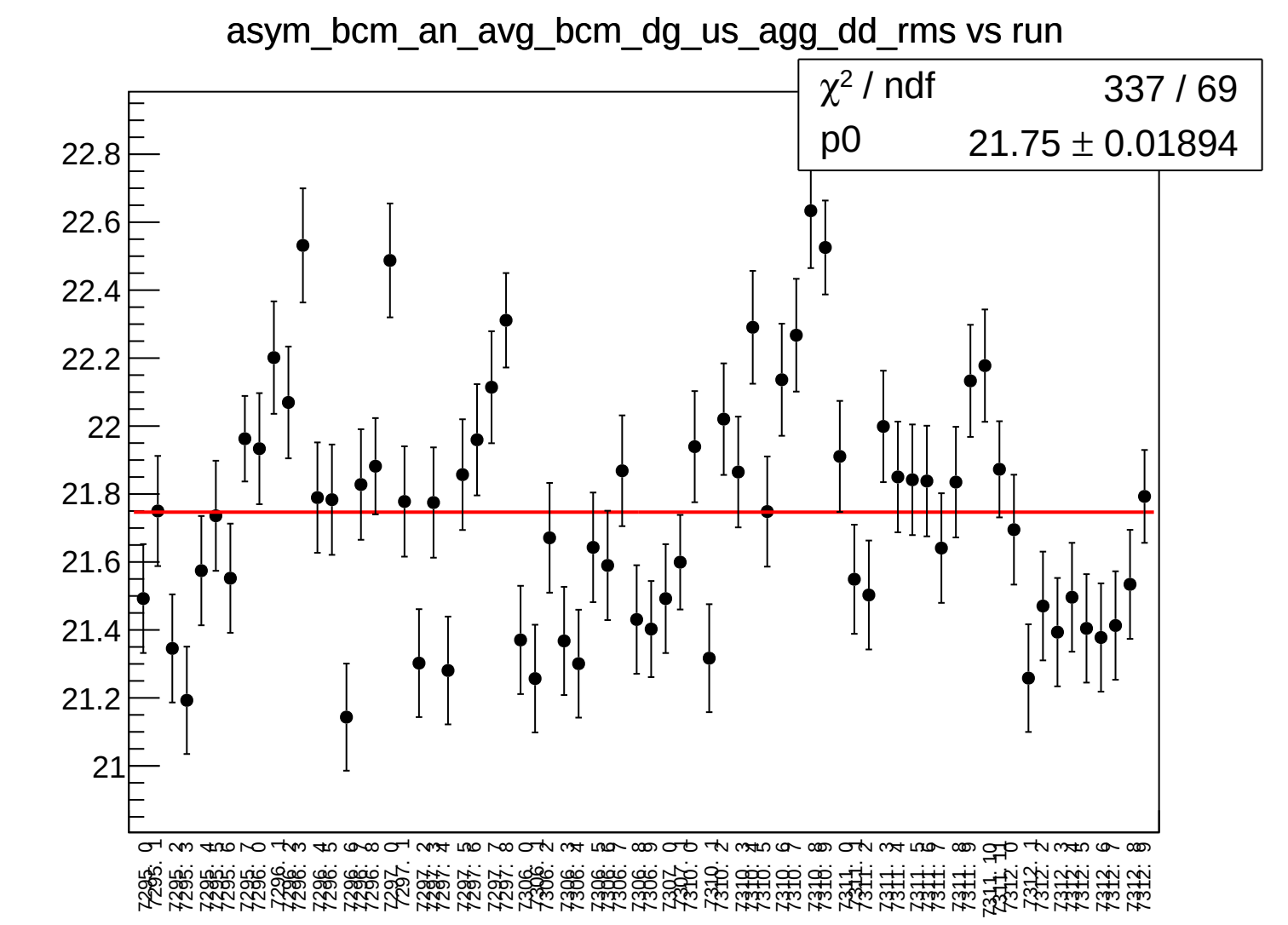

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 54.44 / 69
p0 31.27 ± 23.36
pull
Entries 70
Mean −469.6
Std Dev 0

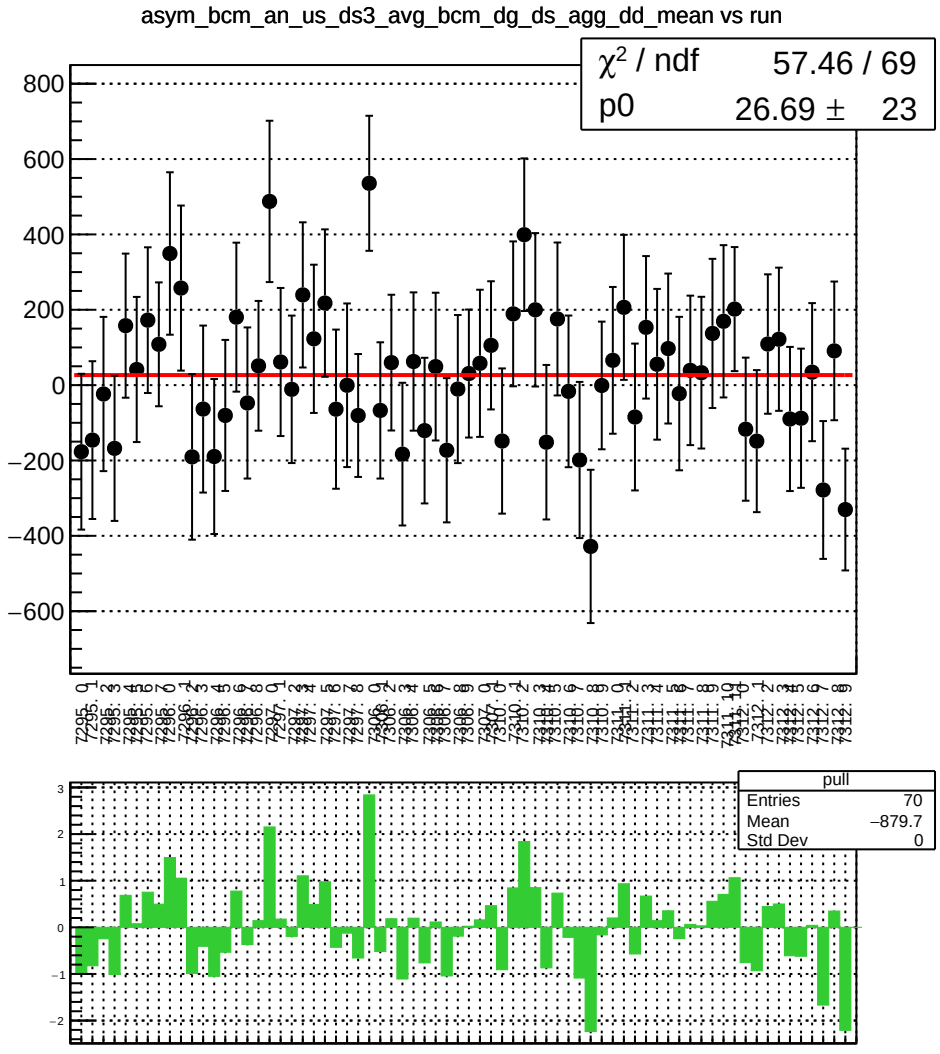

pull1D
Entries 70
Mean 0.004089
Std Dev 0.8818

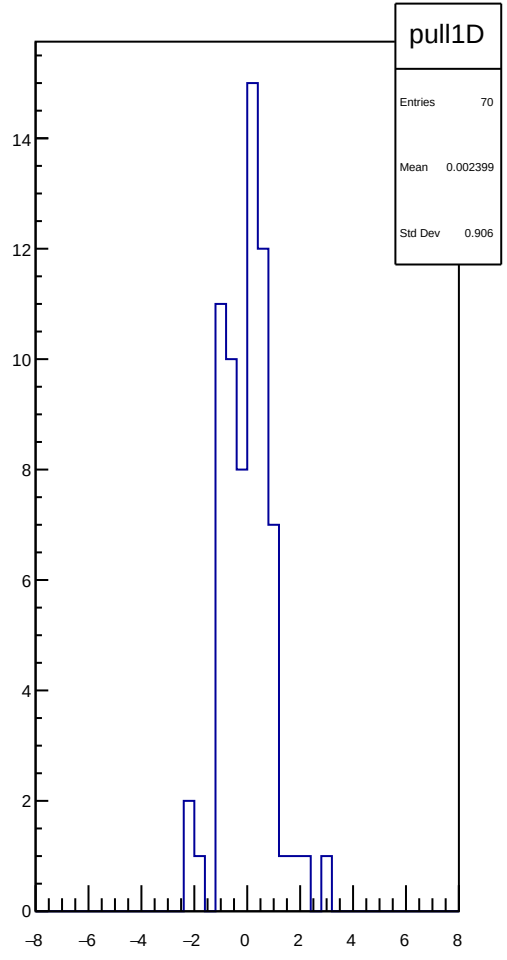

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2983 / 69
p0 18.95 ± 0.01652
21
20
19
18
17

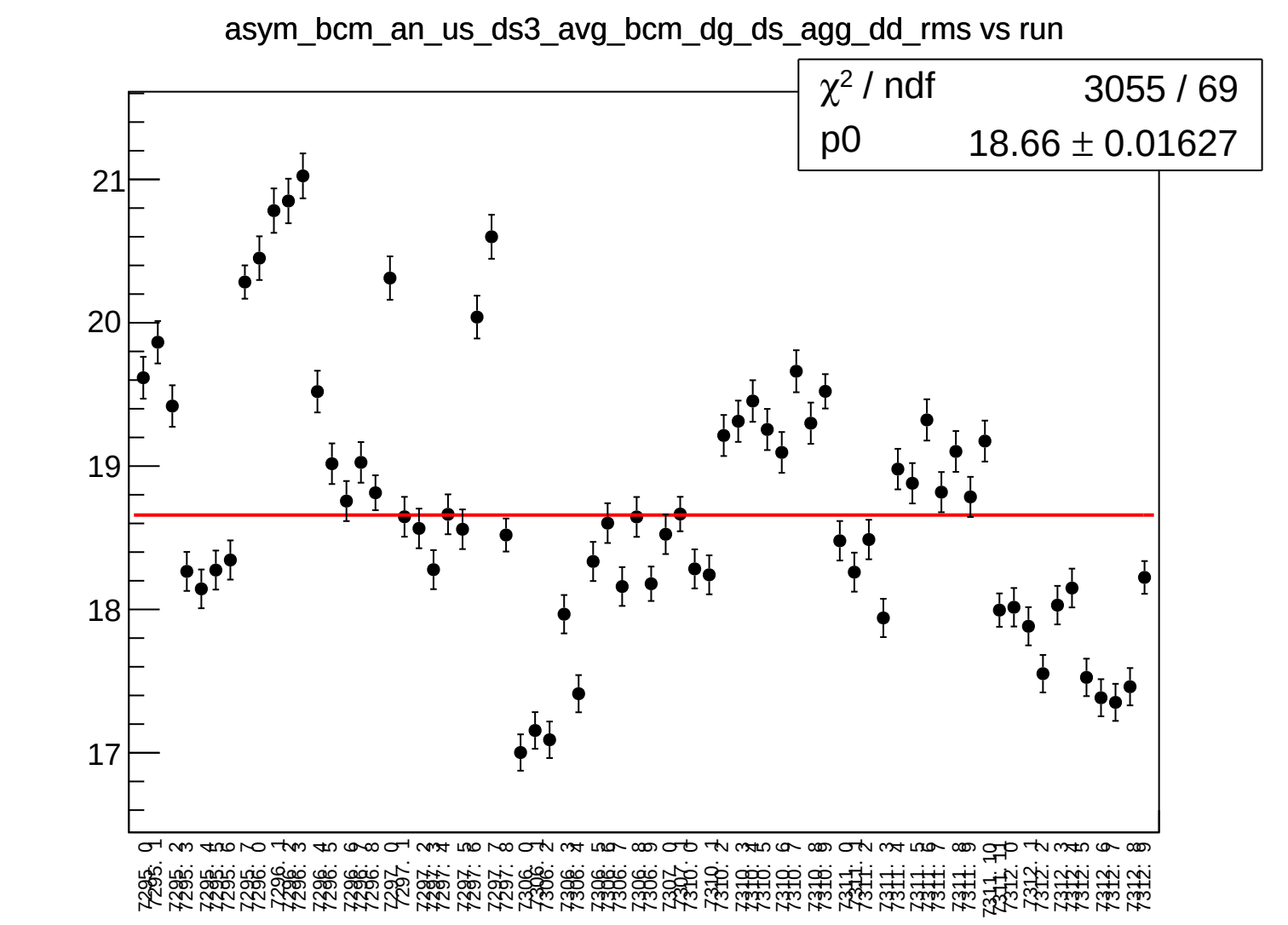

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 56.74 / 69
p0 1.544 ± 26.78
pull
Entries 70
Mean −95.27
Std Dev 0

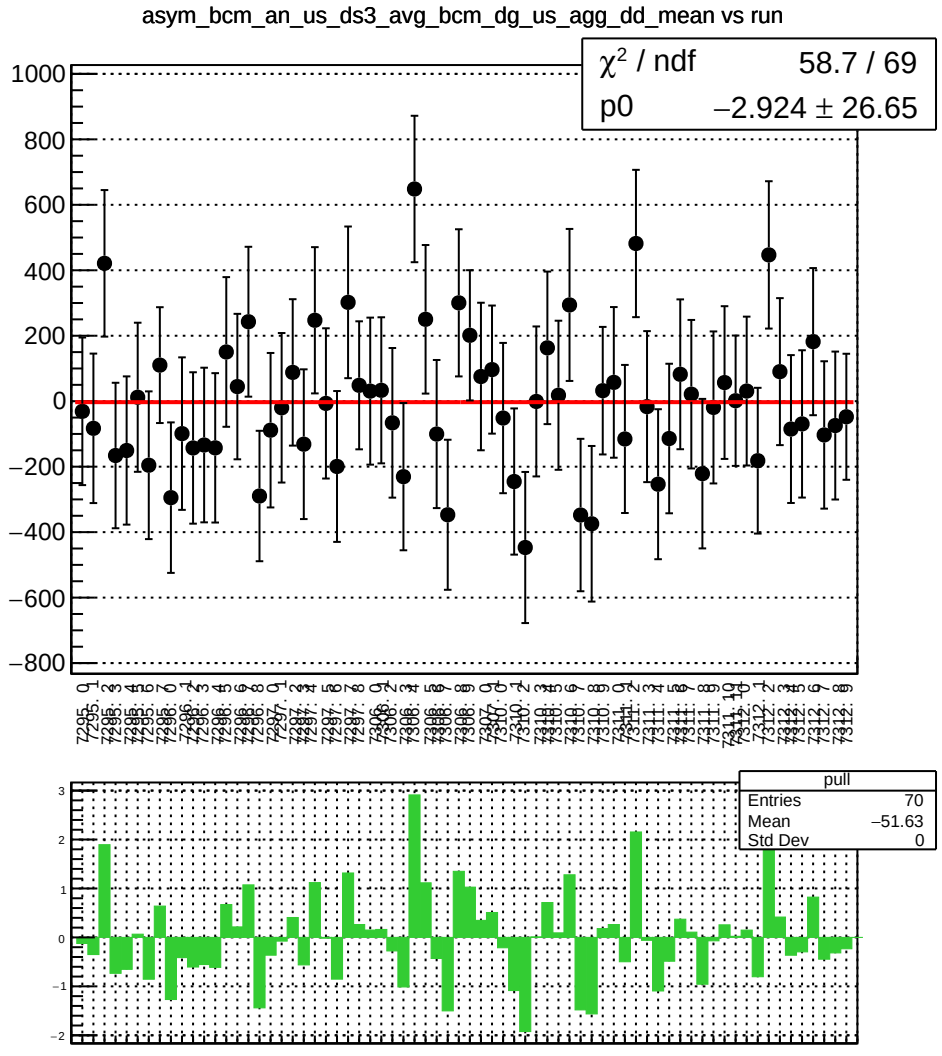

pull1D
Entries 70
Mean −0.005365
Std Dev 0.9003

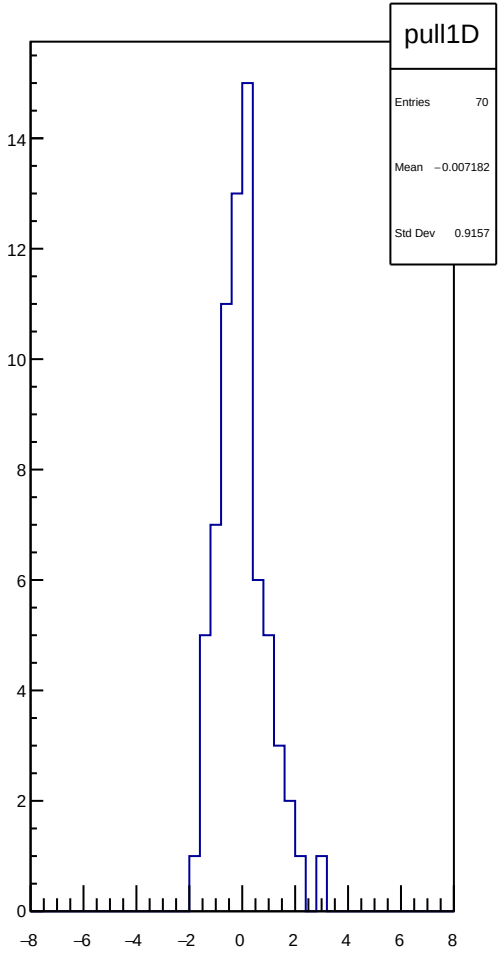

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 337 / 69
p0 21.75 ± 0.01894
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21

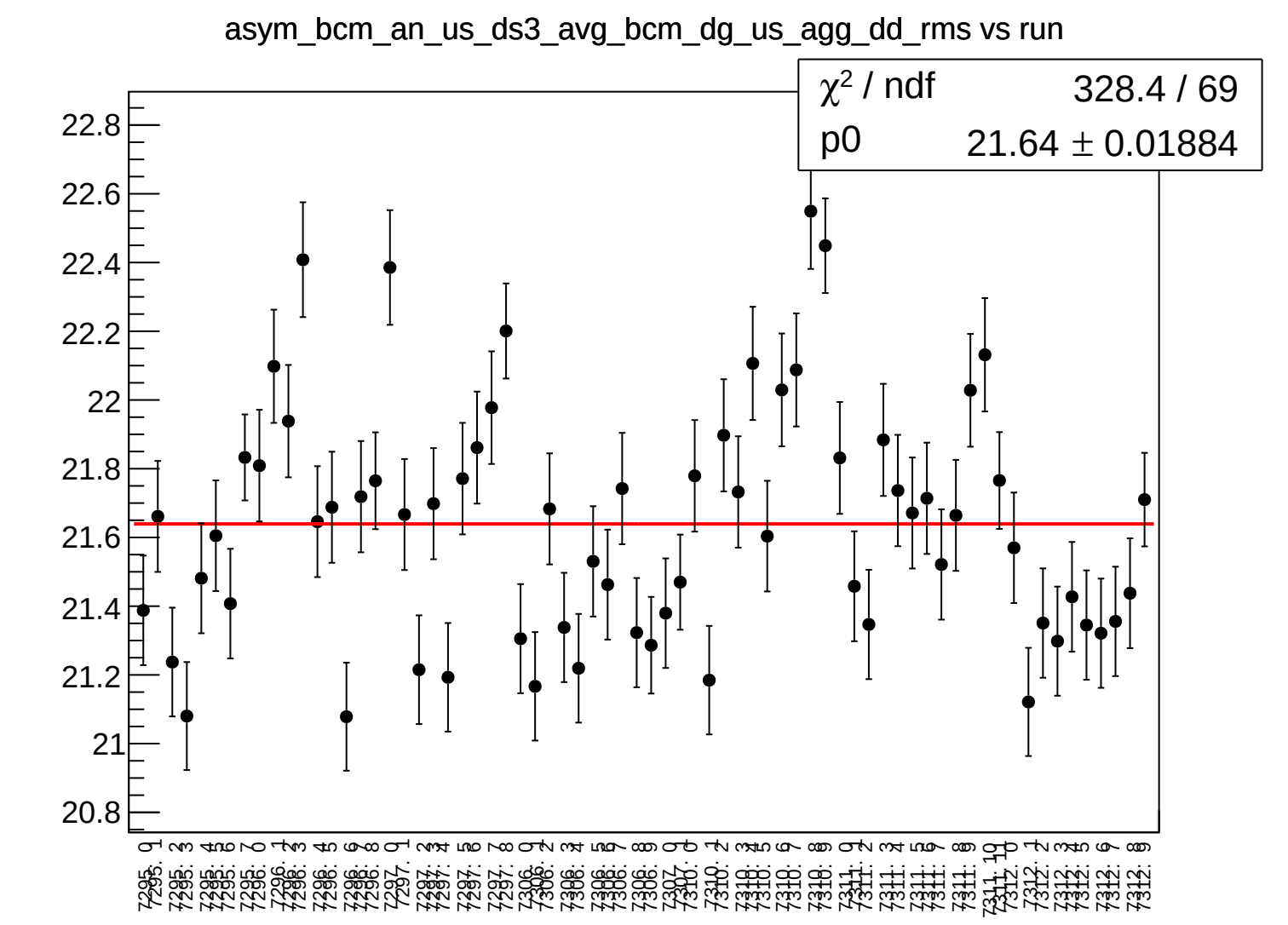

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 57.46 / 69
p0 26.69 ± 23
pull
Entries 70
Mean −879.7
Std Dev 0

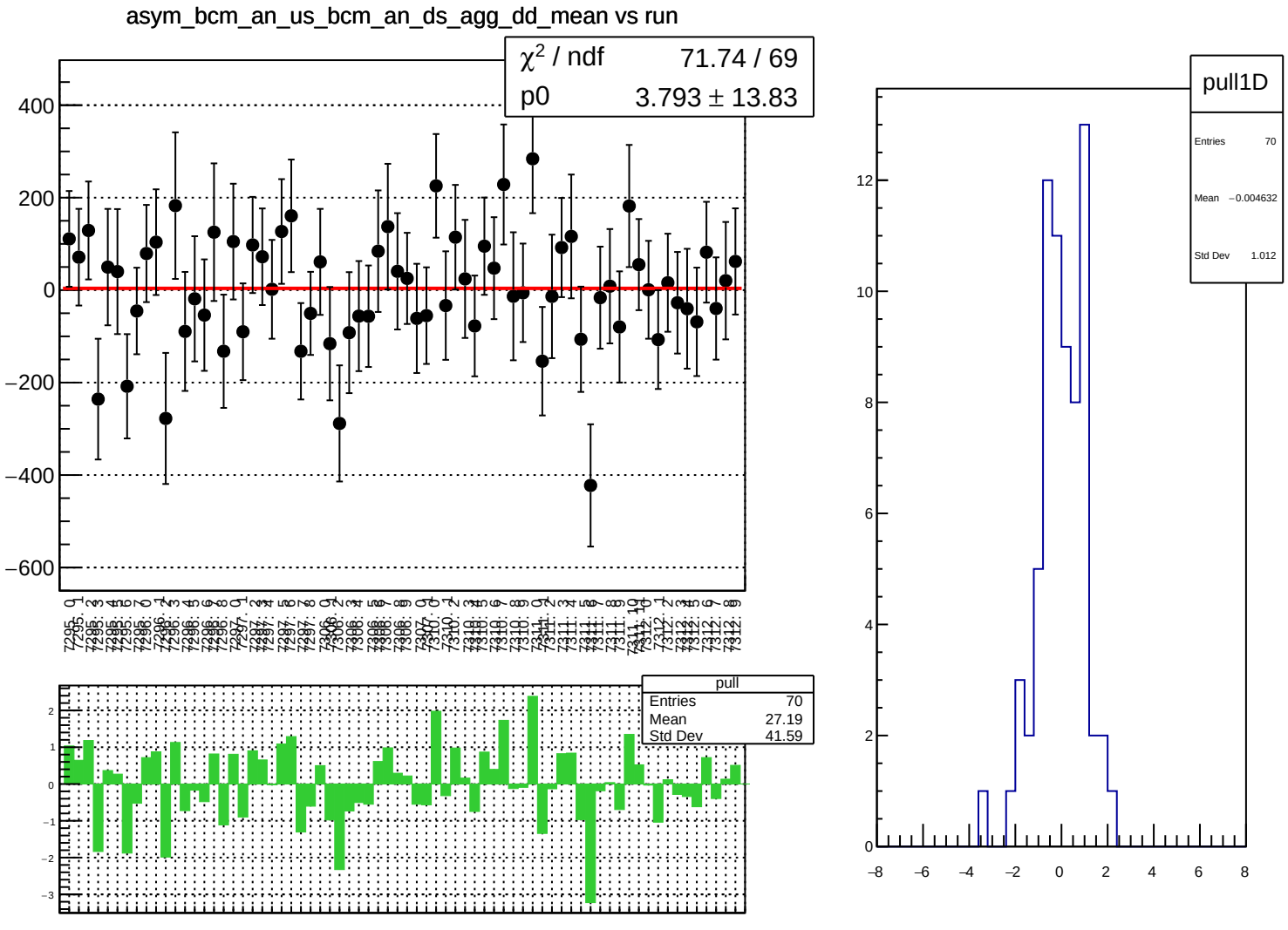

pull1D
Entries 70
Mean 0.002399
Std Dev 0.906

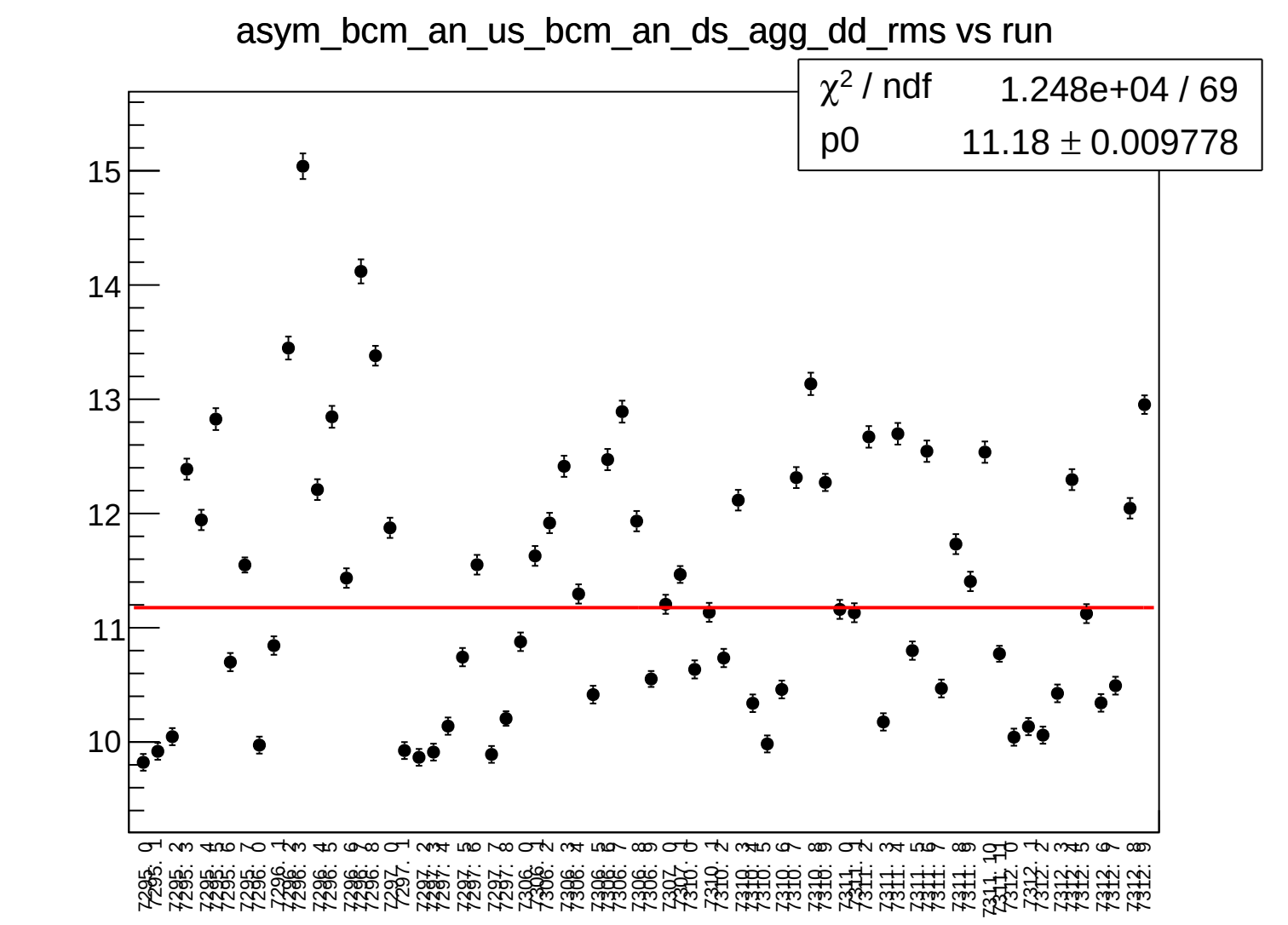

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3055 / 69
p0 18.66 ± 0.01627
21
20
19
18
17

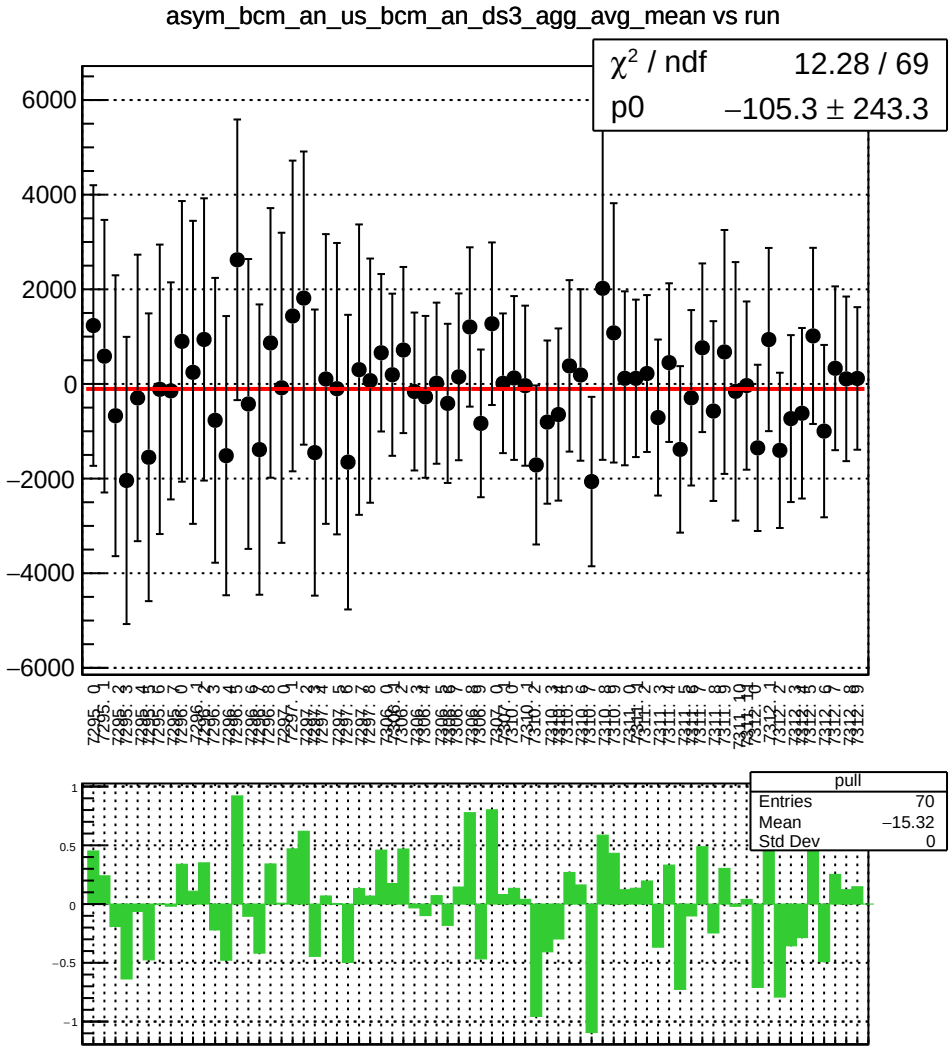

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 58.7 / 69
p0 −2.924 ± 26.65
pull
Entries 70
Mean −51.63
Std Dev 0

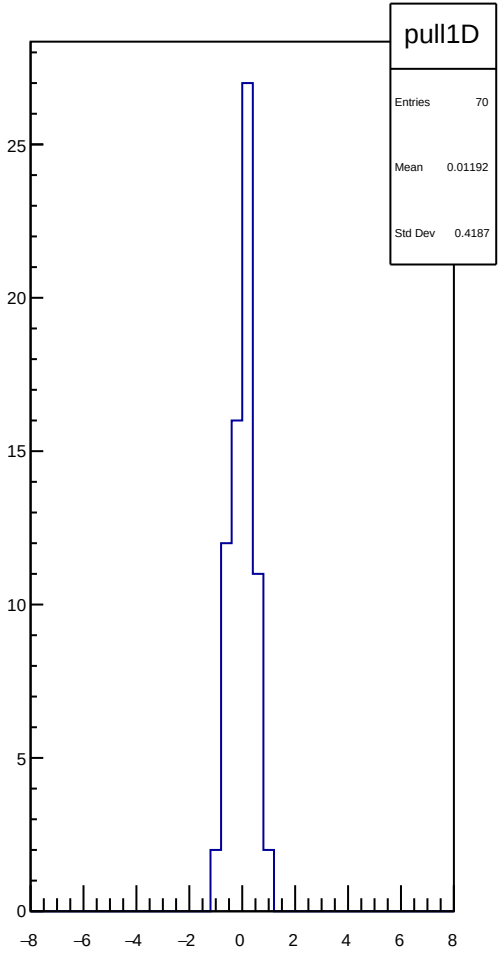

pull1D
Entries 70
Mean −0.007182
Std Dev 0.9157

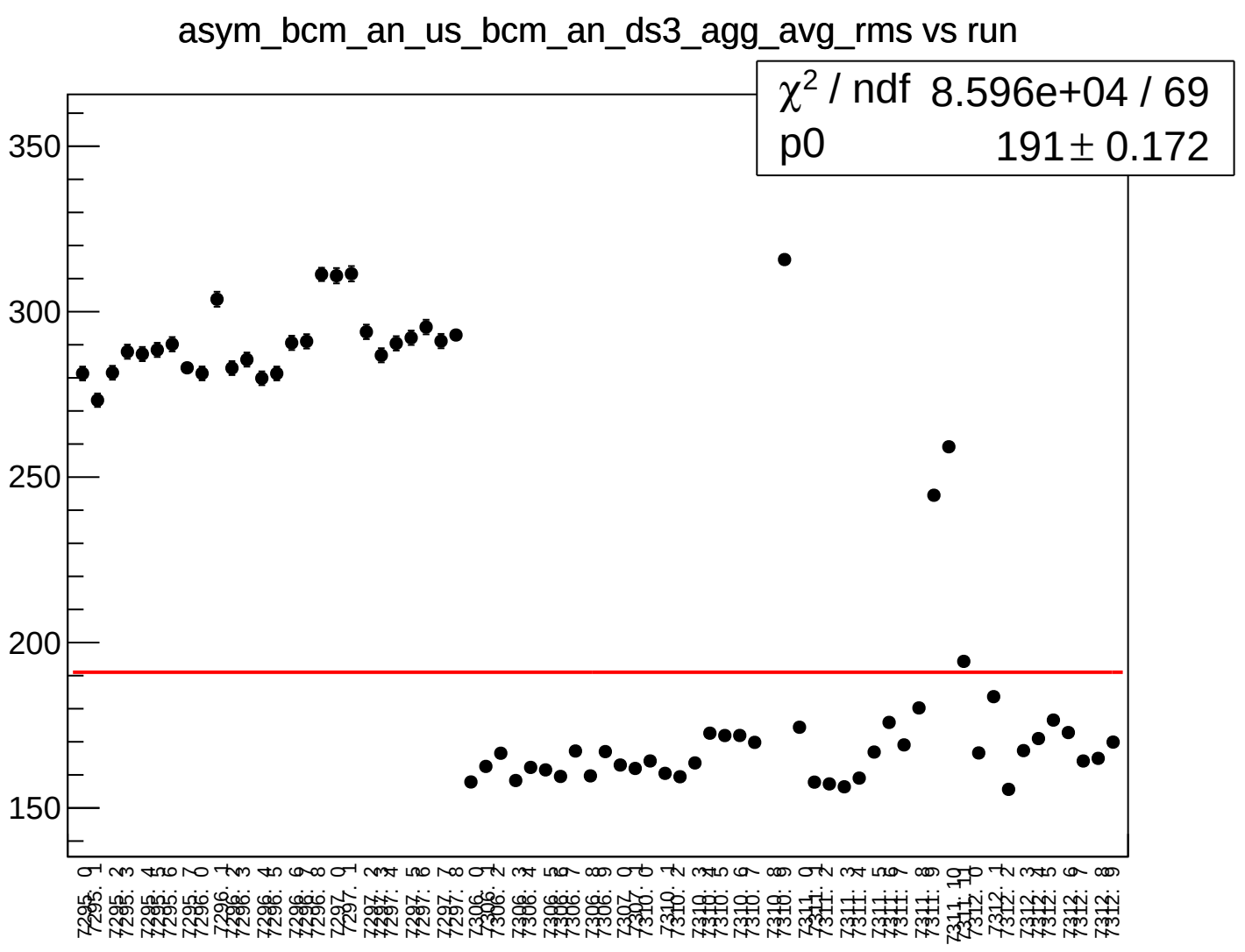

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 328.4 / 69
p0 21.64 ± 0.01884
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8

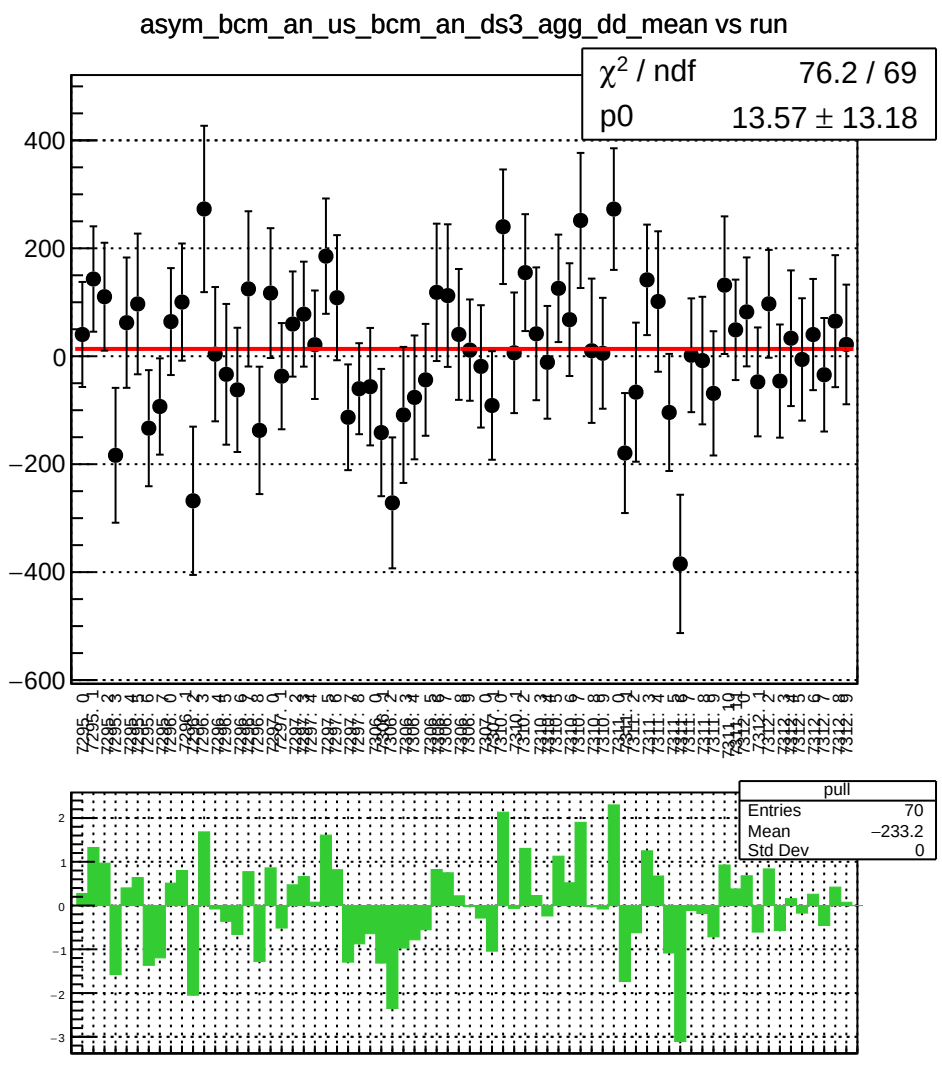

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 71.74 / 69
p0 3.793 ± 13.83
pull
Entries 70
Mean 27.19
Std Dev 41.59
pull1D
Entries 70
Mean −0.004632
Std Dev 1.012

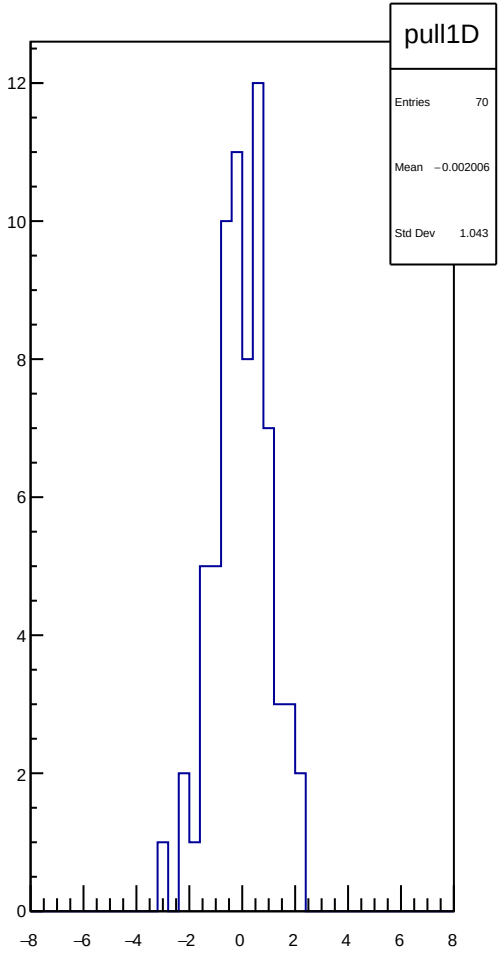

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.248e+04 / 69
p0 11.18 ± 0.009778
15
14
13
12
11
10

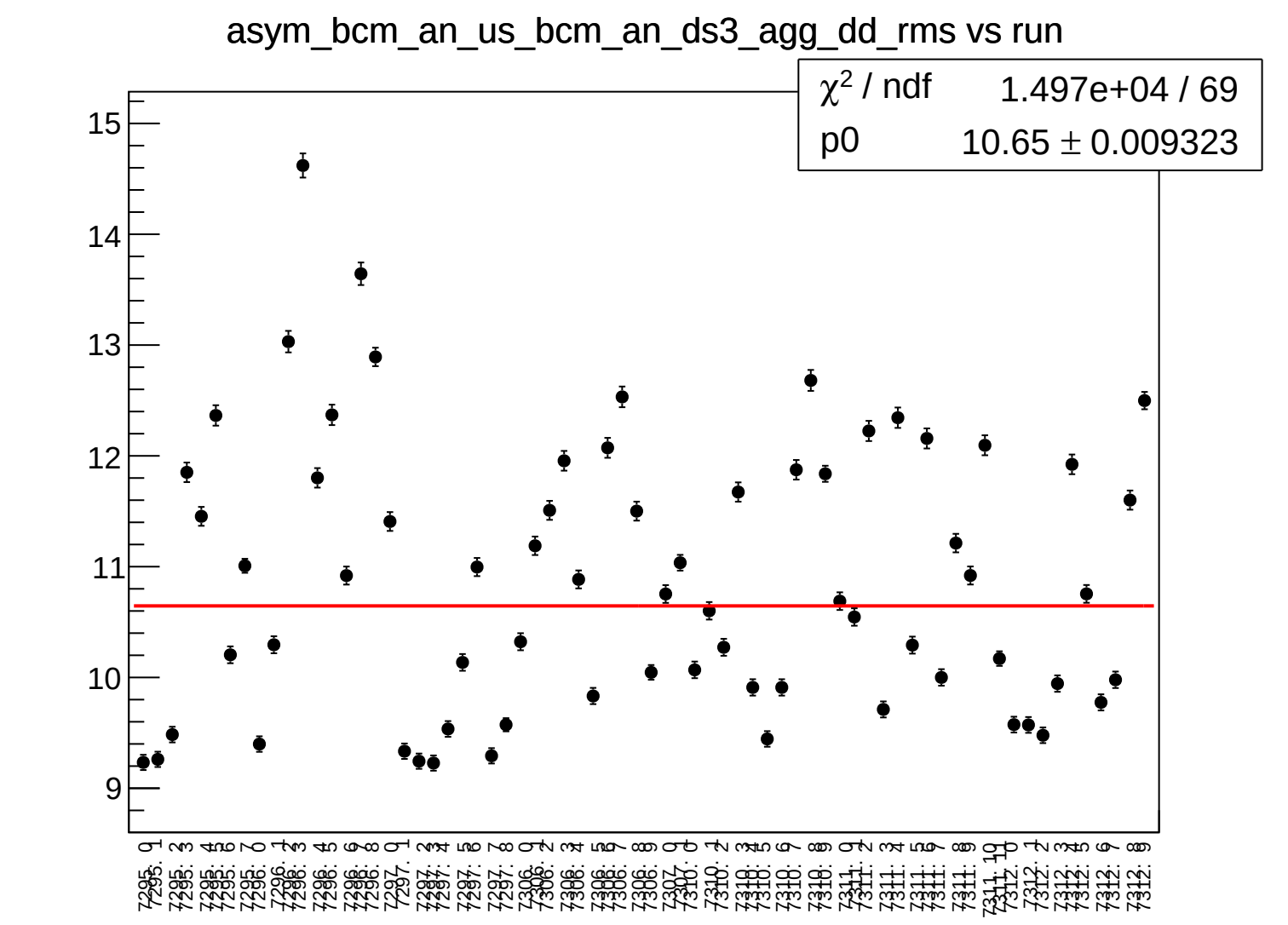

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 12.28 / 69
p0 −105.3 ± 243.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean −15.32
Std Dev 0
1
0.5
0
−0.5
−1

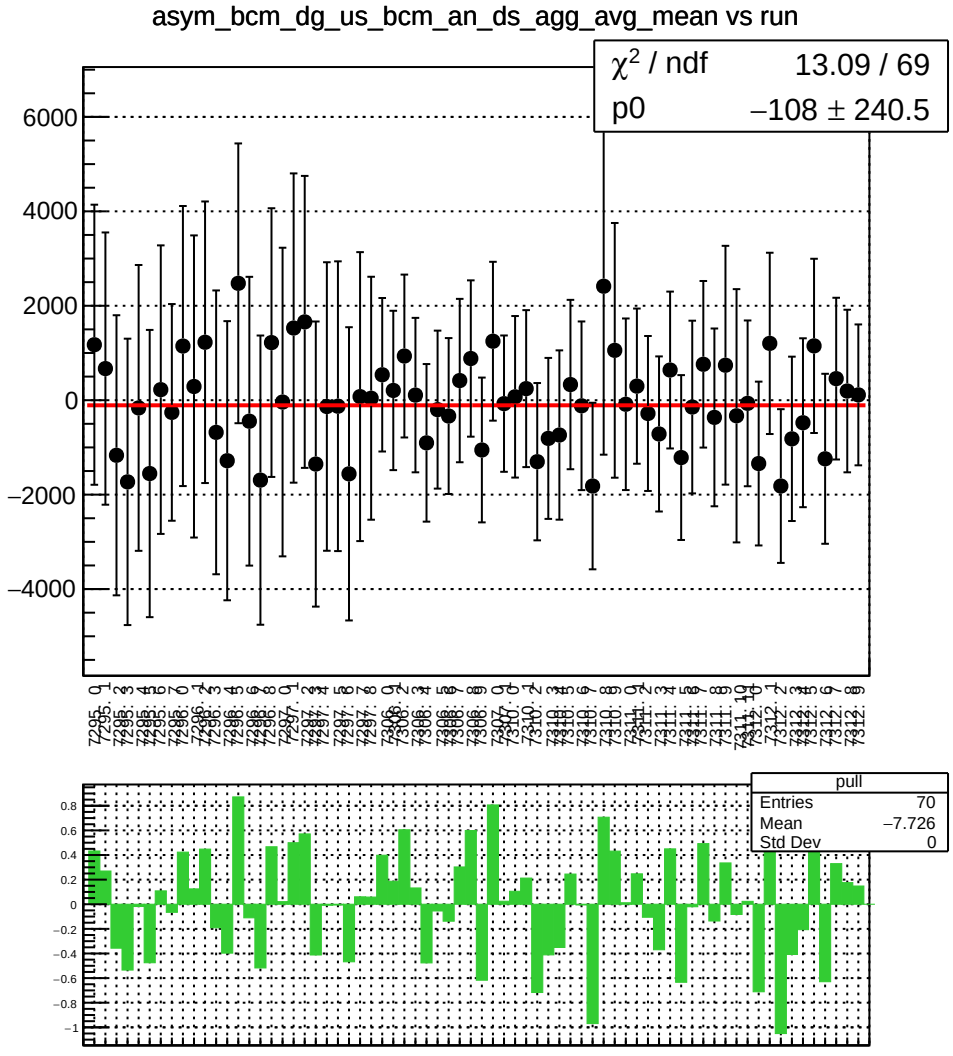

pull1D
Entries 70
Mean 0.01192
Std Dev 0.4187
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

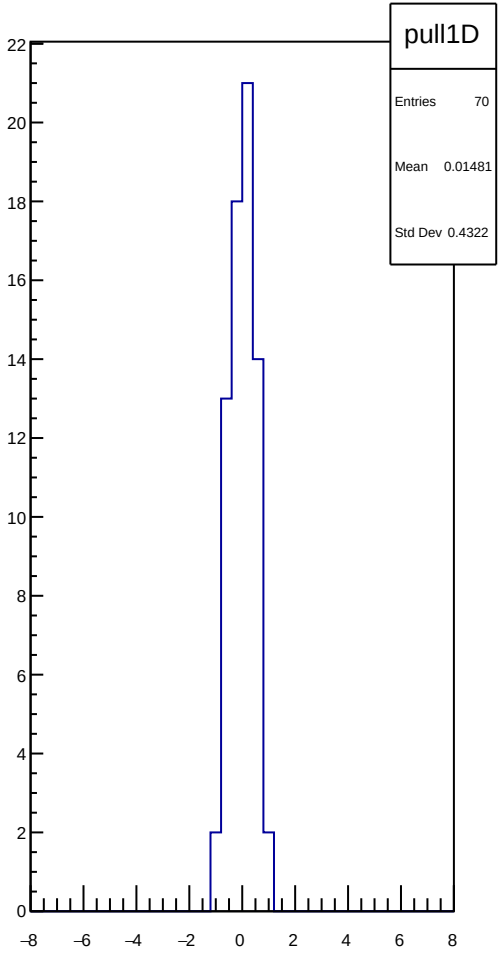

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 8.596e+04 / 69
p0 191 ± 0.172
350
300
250
200
150

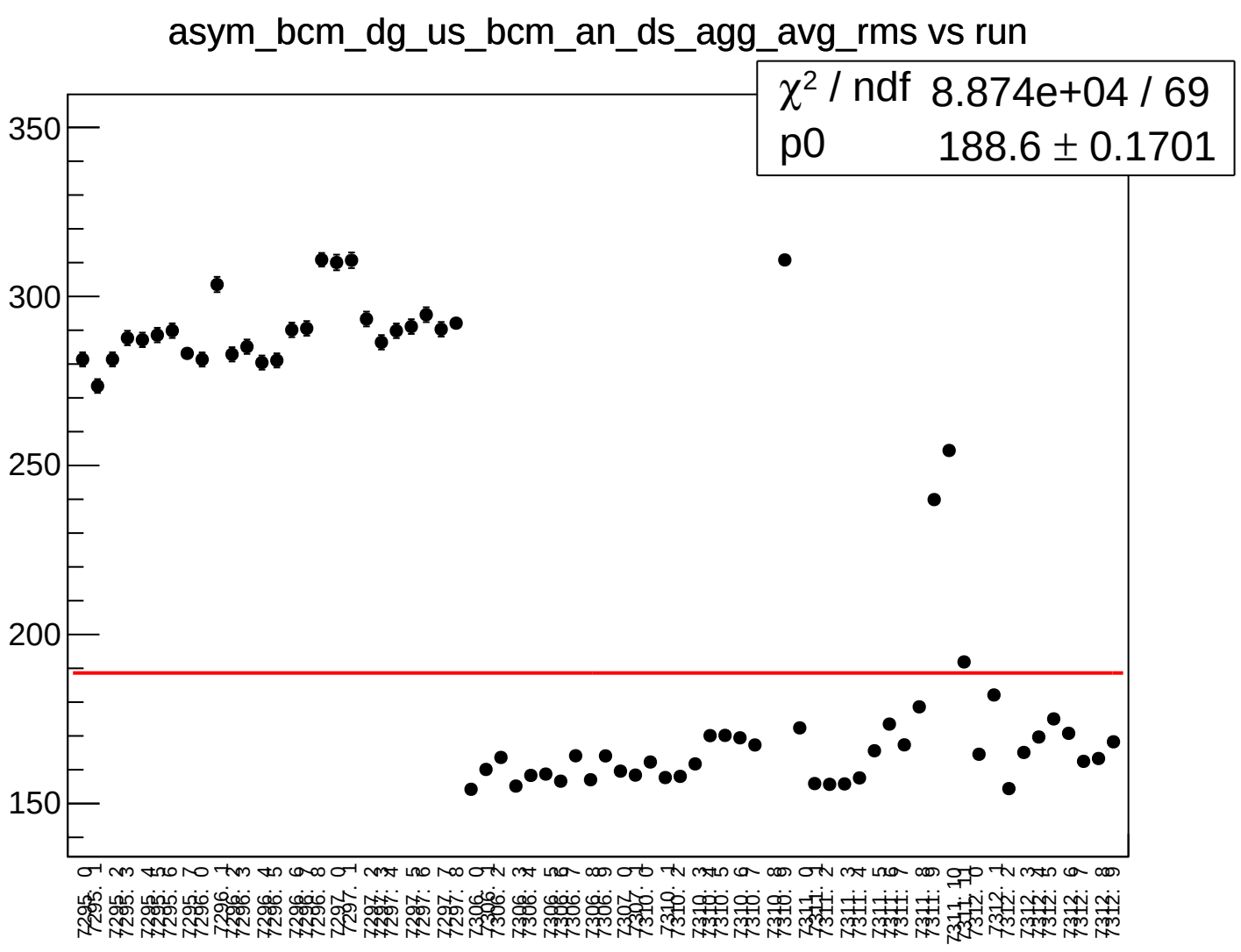

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 76.2 / 69
p0 13.57 ± 13.18
pull
Entries 70
Mean −233.2
Std Dev 0

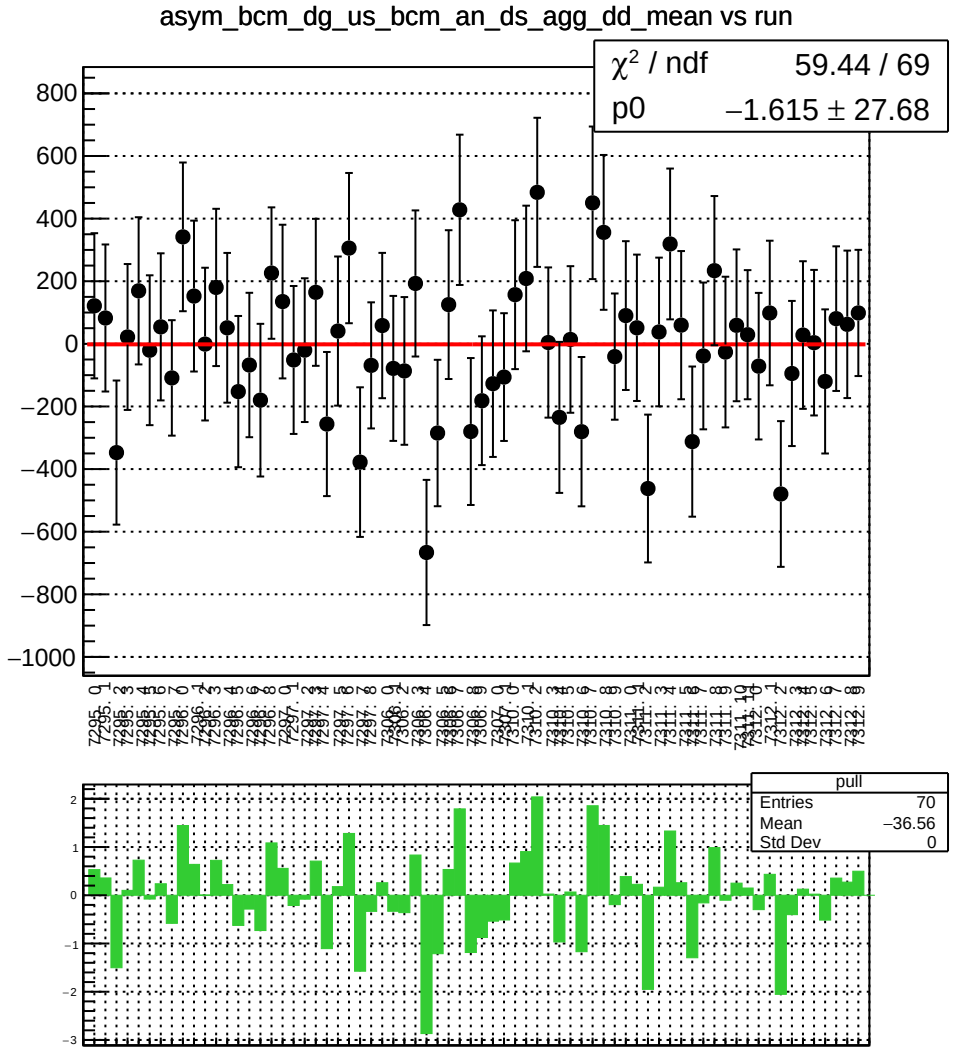

pull1D
Entries 70
Mean −0.002006
Std Dev 1.043

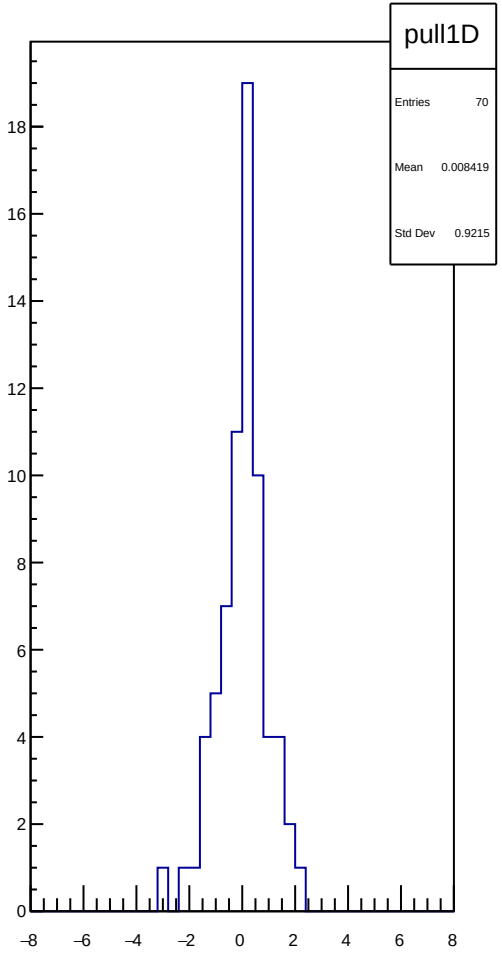

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.497e+04 / 69
p0 10.65 ± 0.009323
15
14
13
12
11
10
9

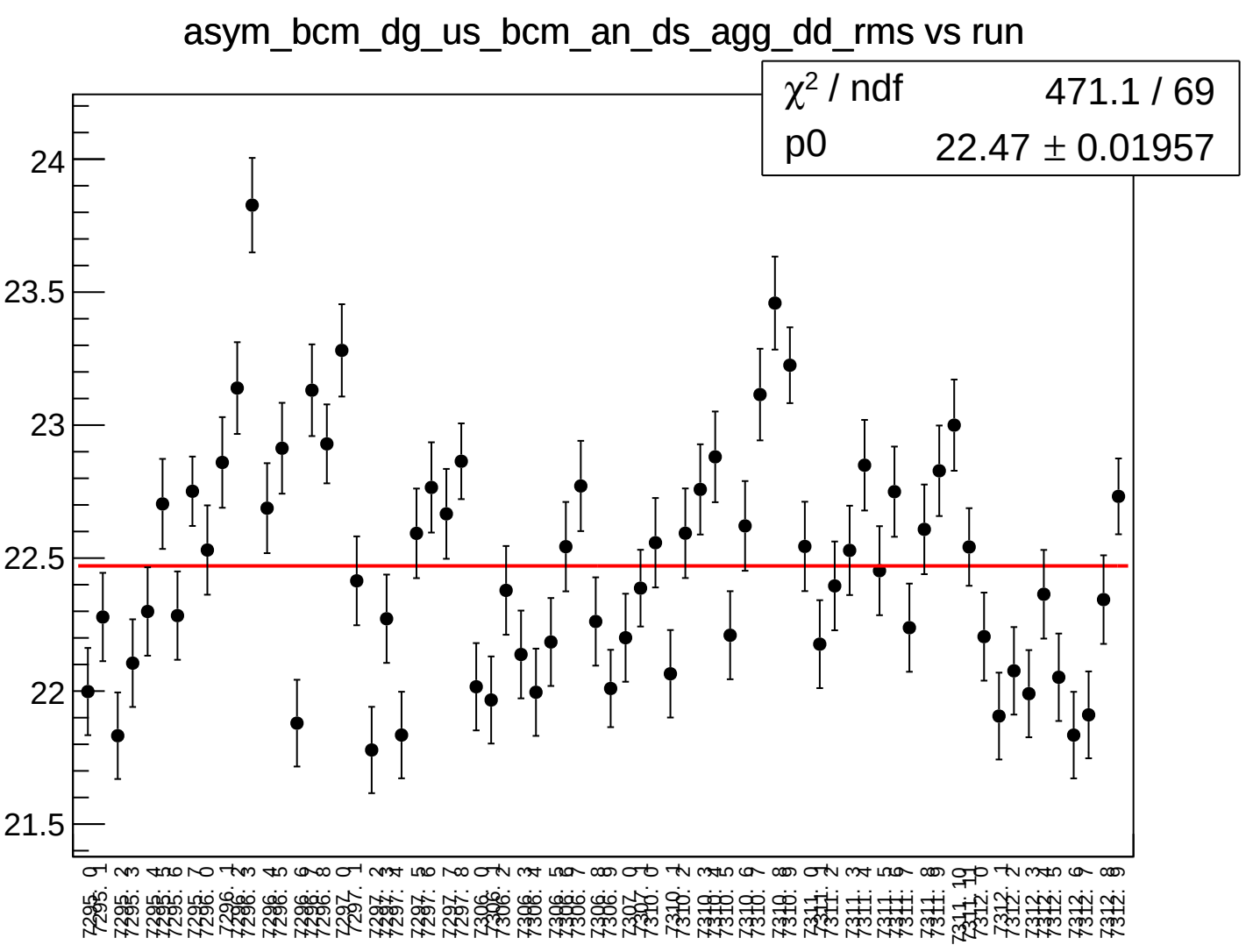

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.09 / 69
p0 −108 ± 240.5
pull
Entries 70
Mean −7.726
Std Dev 0

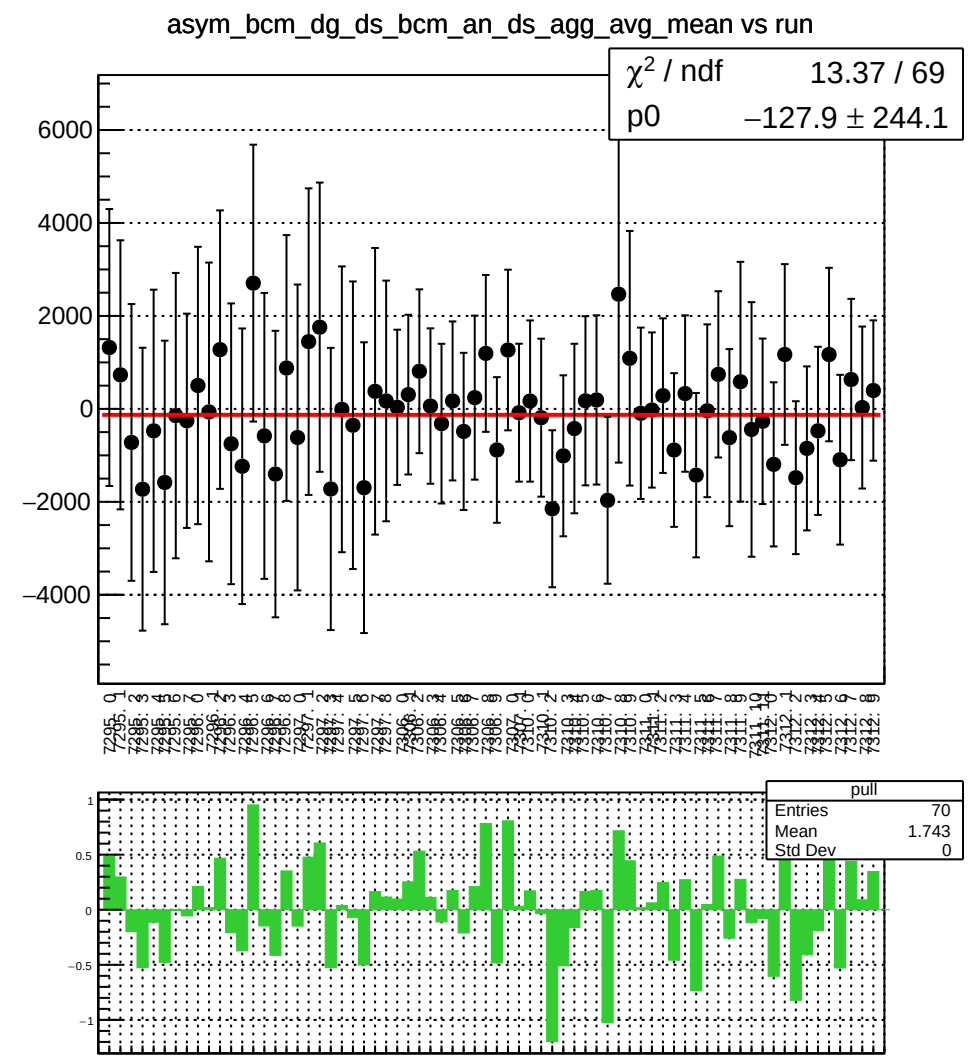

pull1D
Entries 70
Mean 0.01481
Std Dev 0.4322

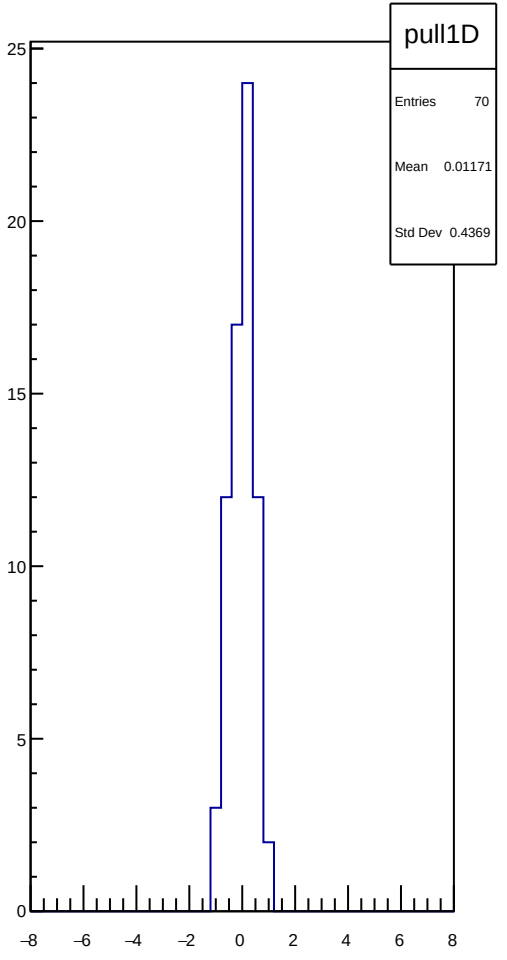

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8.874e+04 / 69
p0 188.6 ± 0.1701
350
300
250
200
150

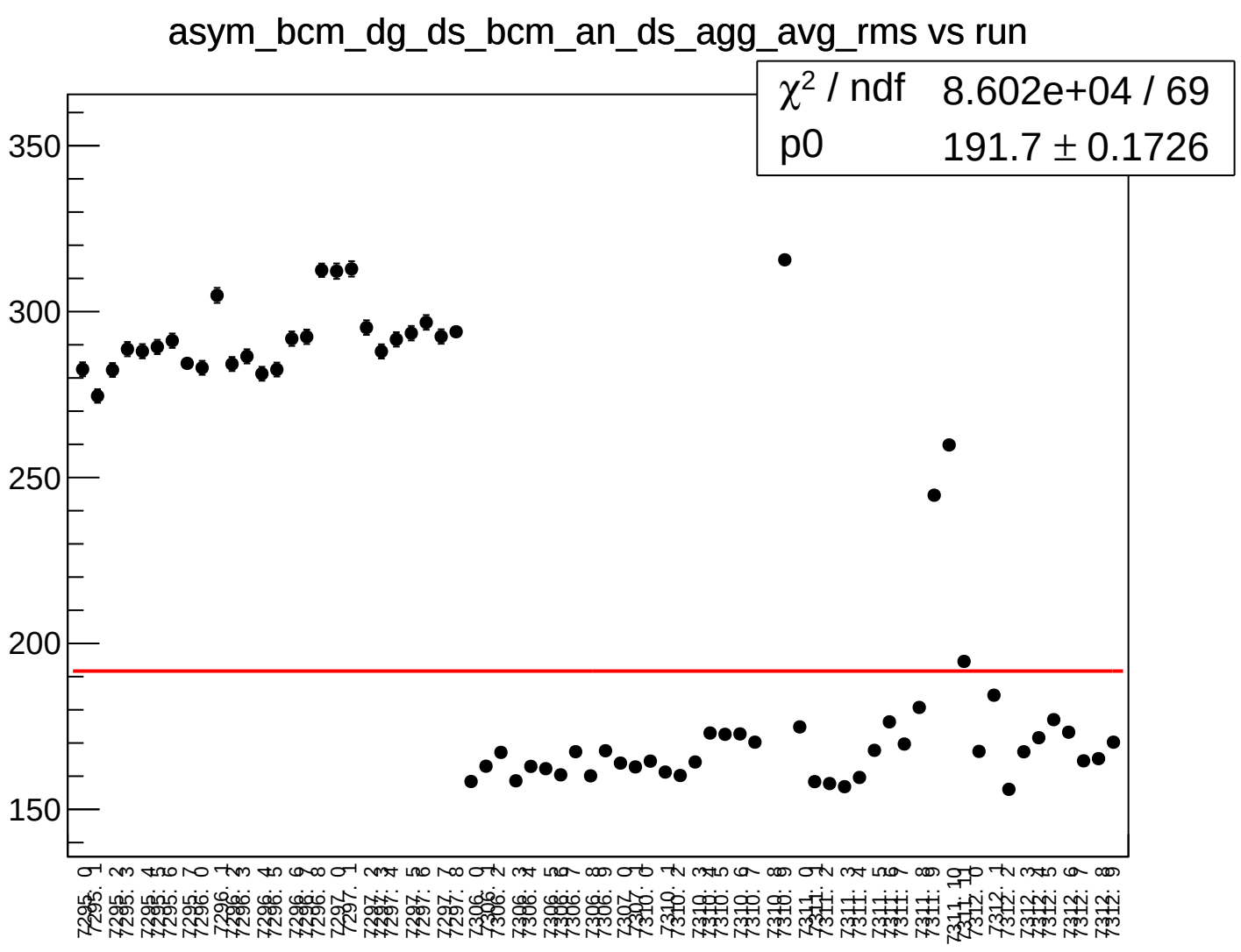

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 59.44 / 69
p0 −1.615 ± 27.68
pull
Entries 70
Mean −36.56
Std Dev 0

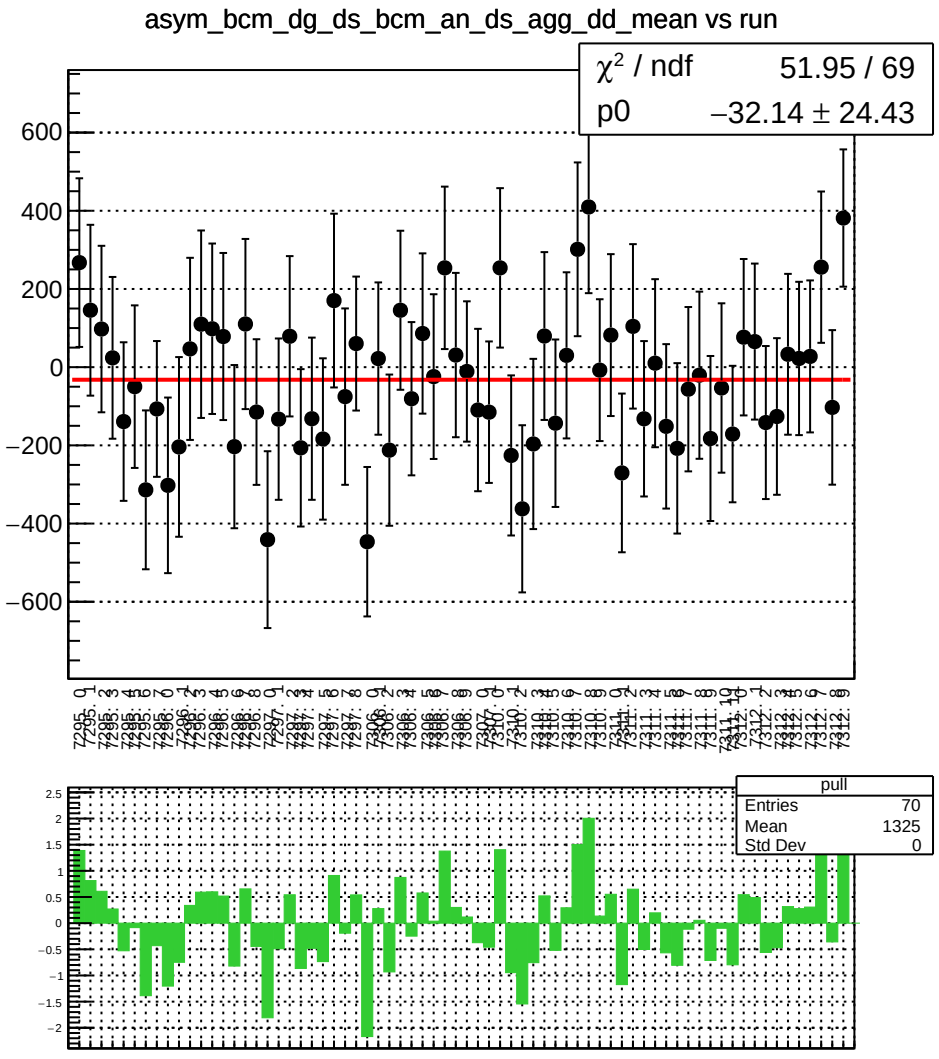

pull1D
Entries 70
Mean 0.008419
Std Dev 0.9215

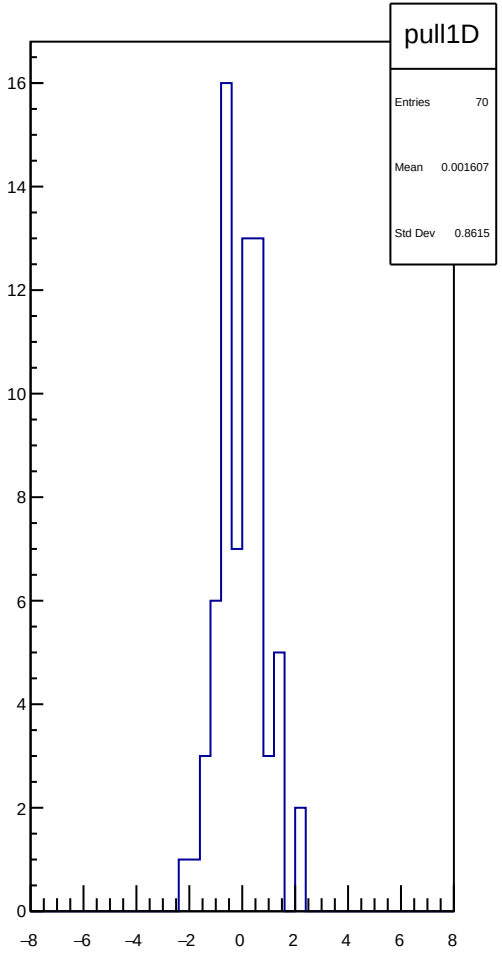

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 471.1 / 69
p0 22.47 ± 0.01957
24
23.5
23
22.5
22
21.5

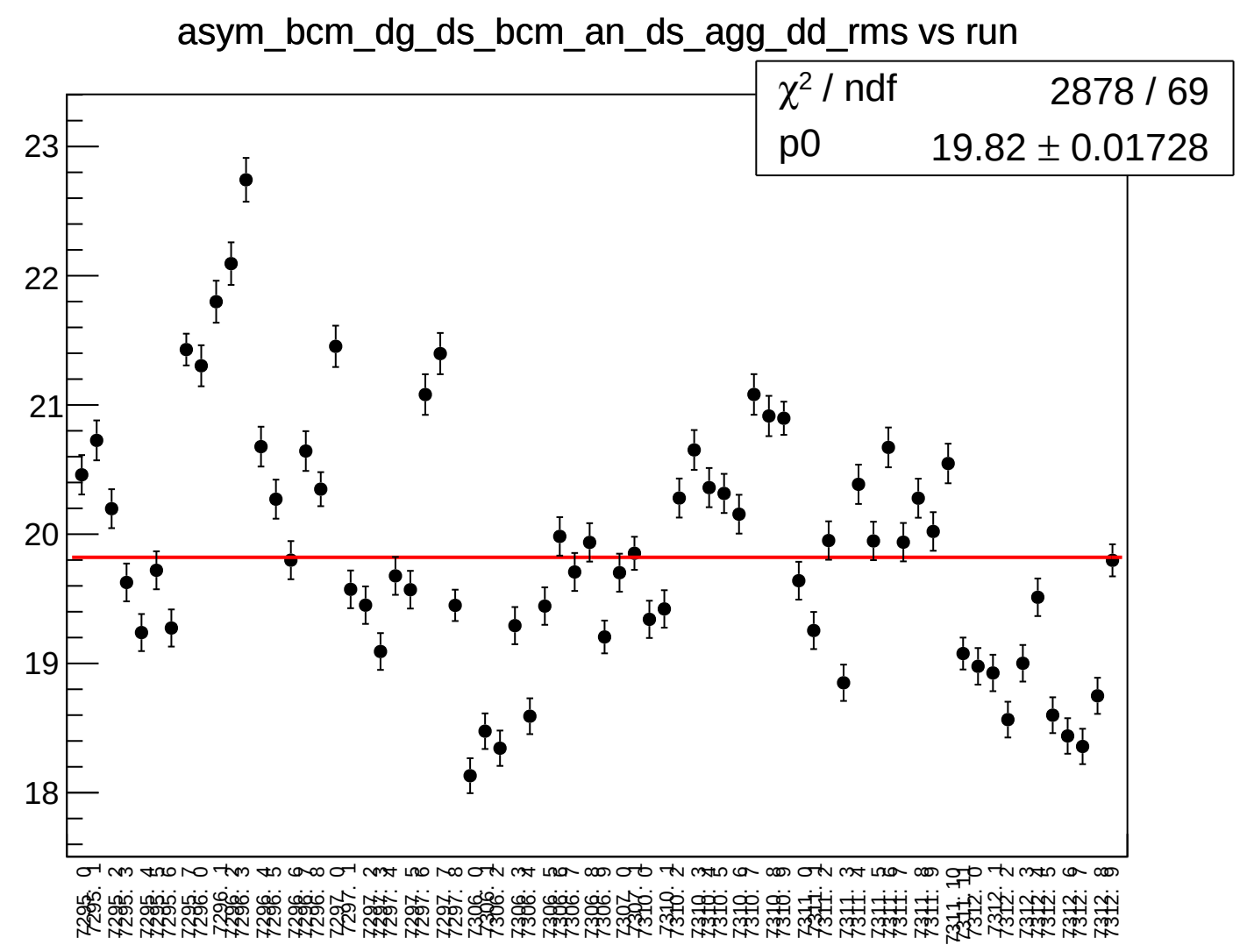

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.37 / 69
p0 −127.9 ± 244.1
6000
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 1.743
Std Dev 0
1
0.5
0
−0.5
−1

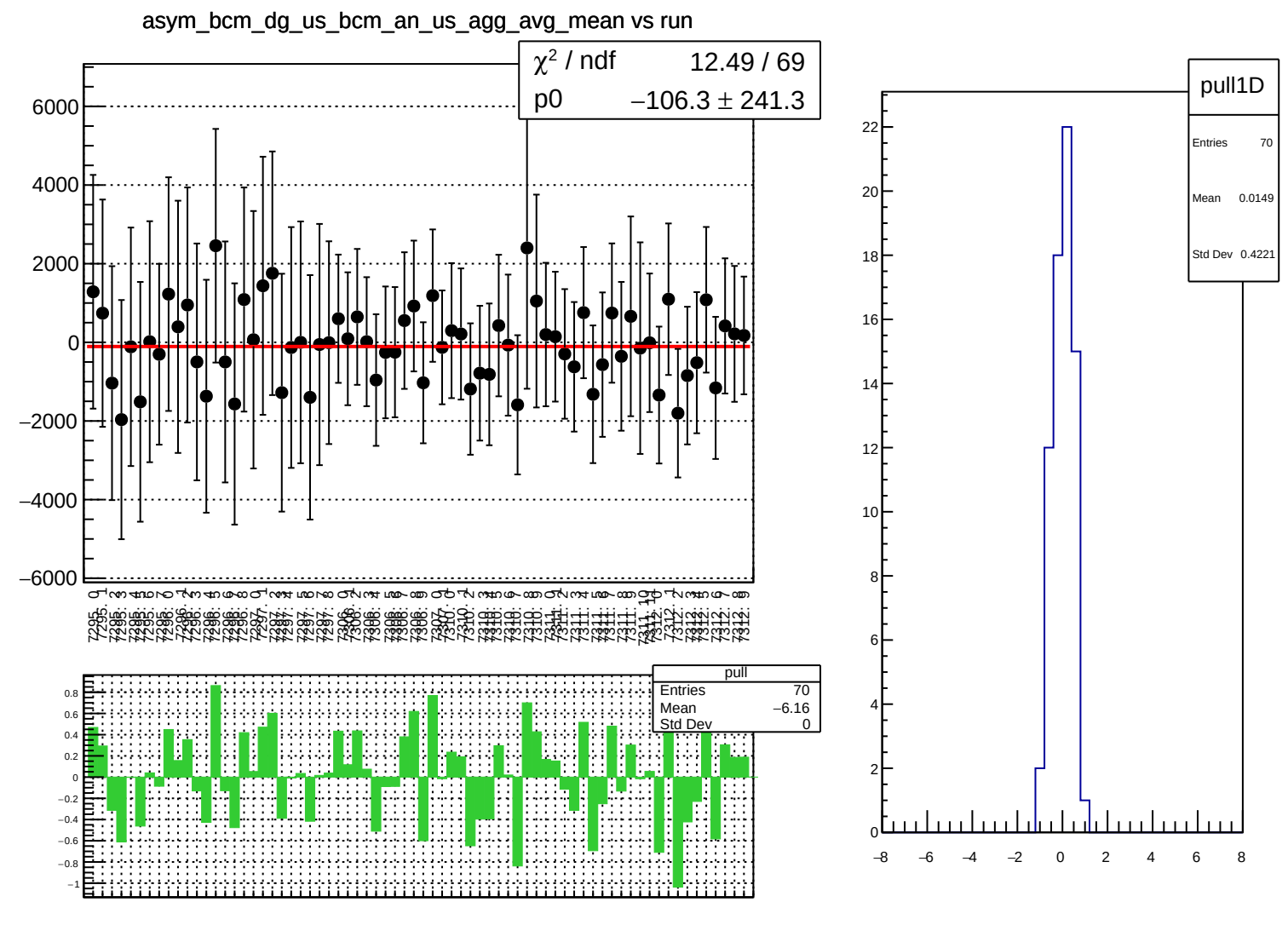

pull1D
Entries 70
Mean 0.01171
Std Dev 0.4369
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

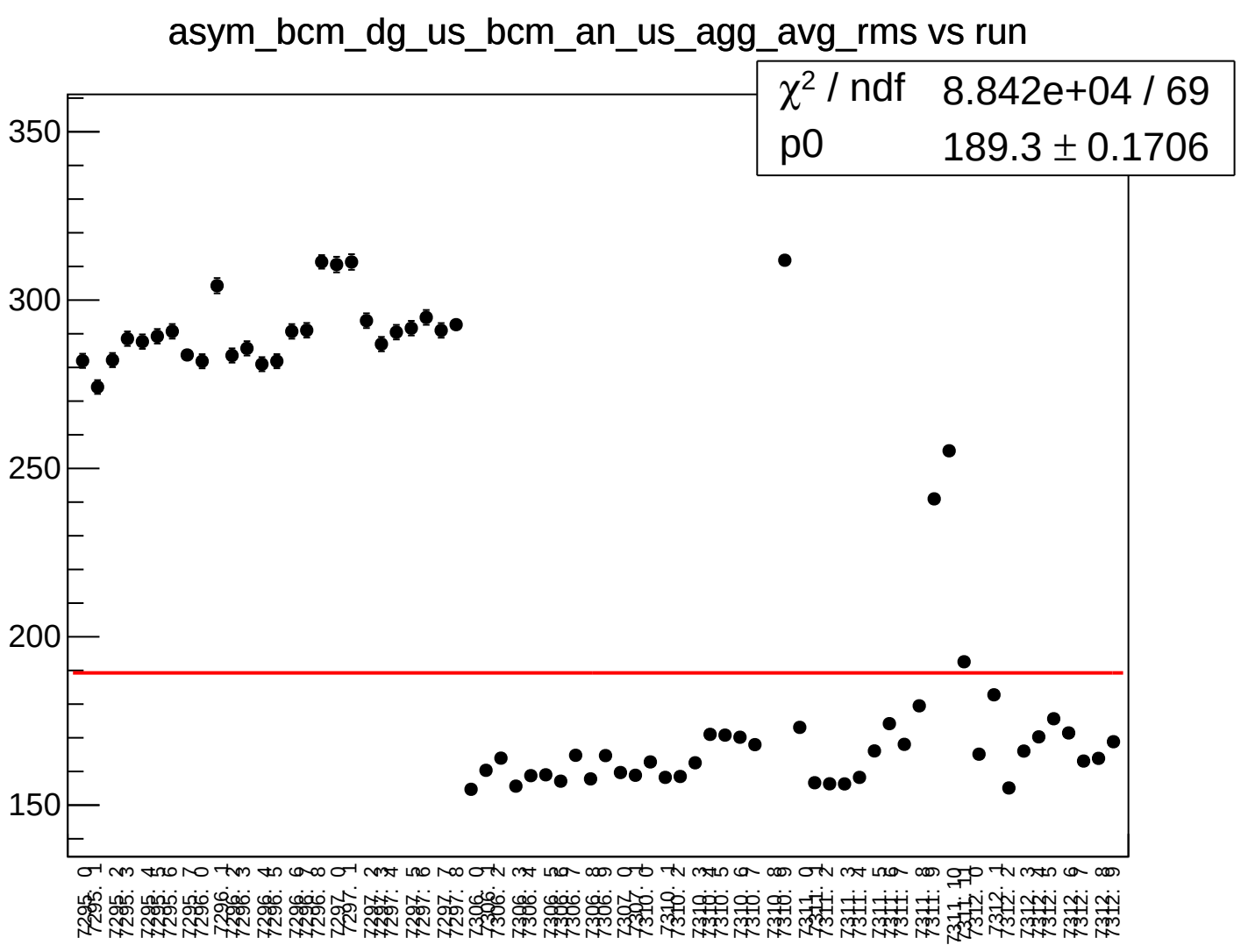

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8.602e+04 / 69
p0 191.7 ± 0.1726
350
300
250
200
150

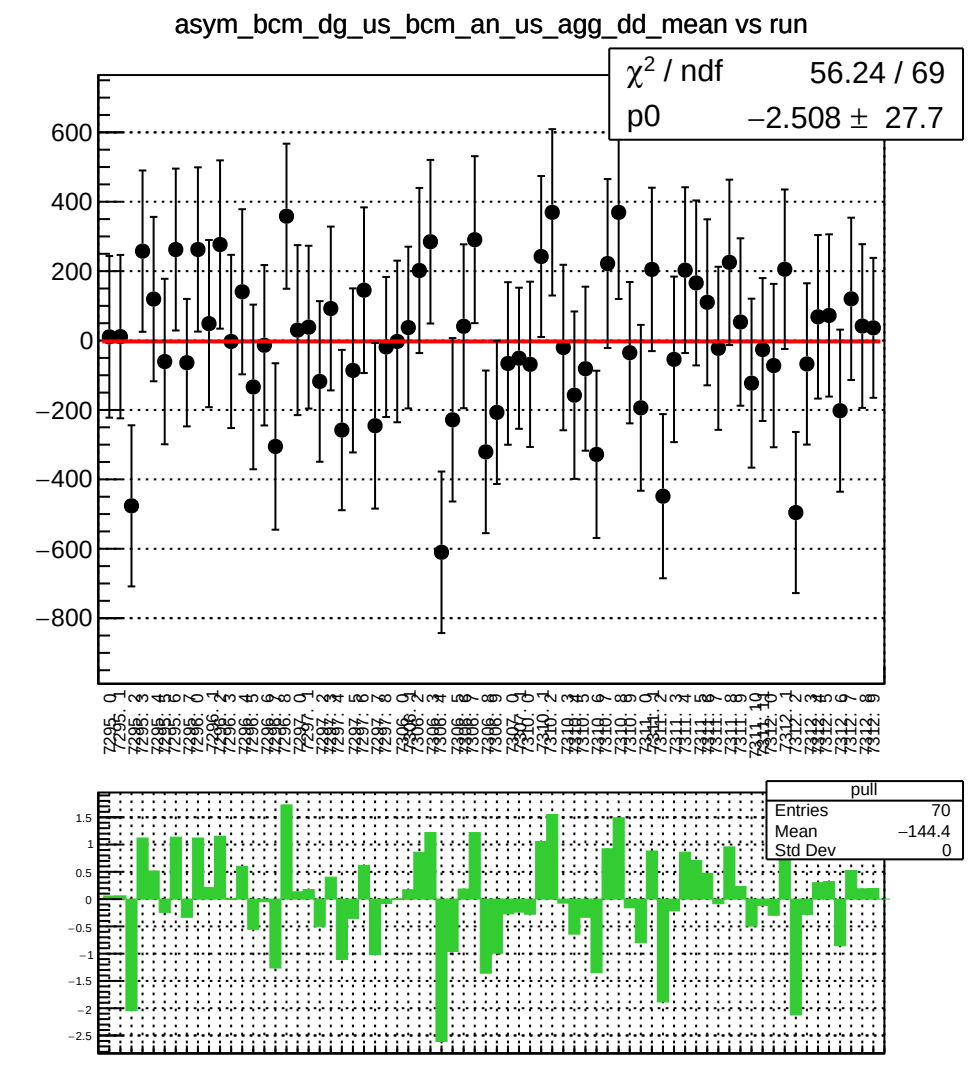

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 51.95 / 69
p0 −32.14 ± 24.43
pull
Entries 70
Mean 1325
Std Dev 0

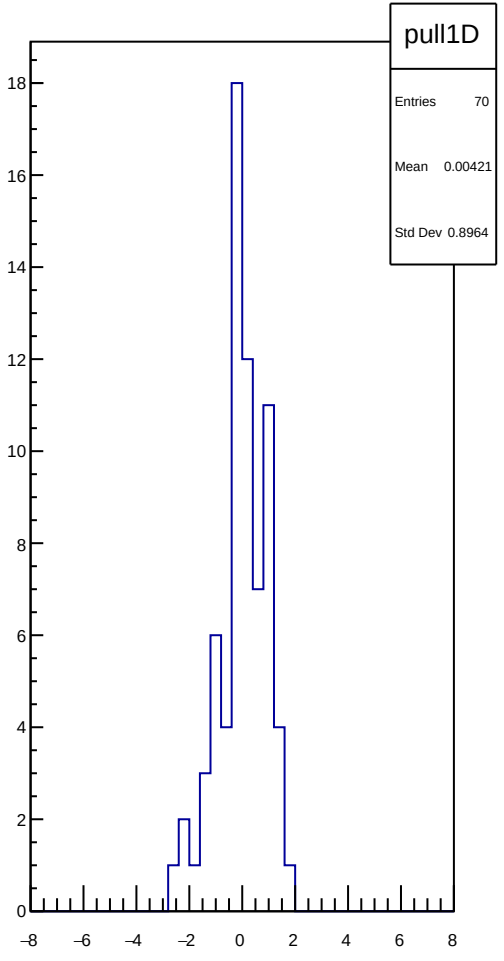

pull1D
Entries 70
Mean 0.001607
Std Dev 0.8615

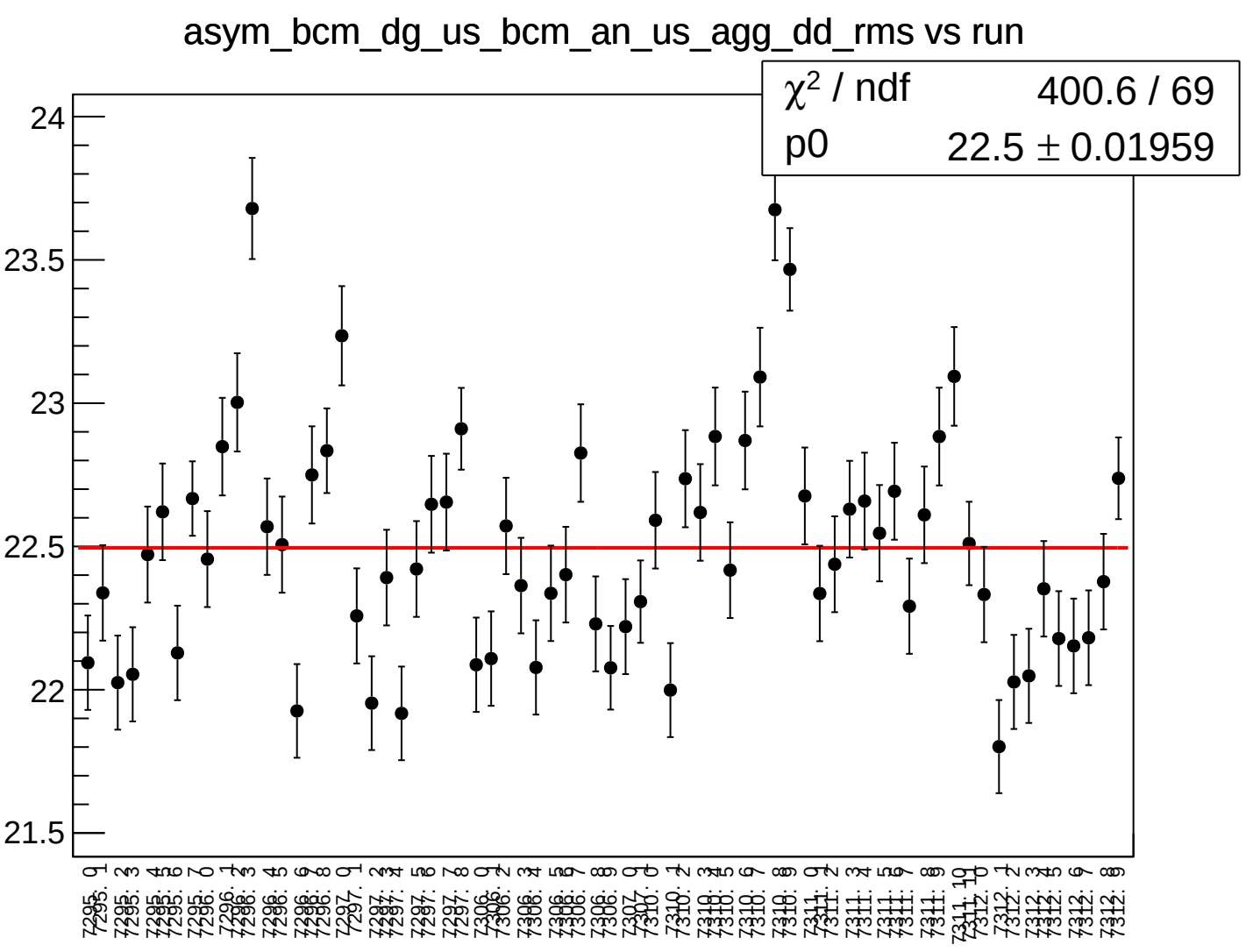

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2878 / 69
p0 19.82 ± 0.01728
23
22
21
20
19
18

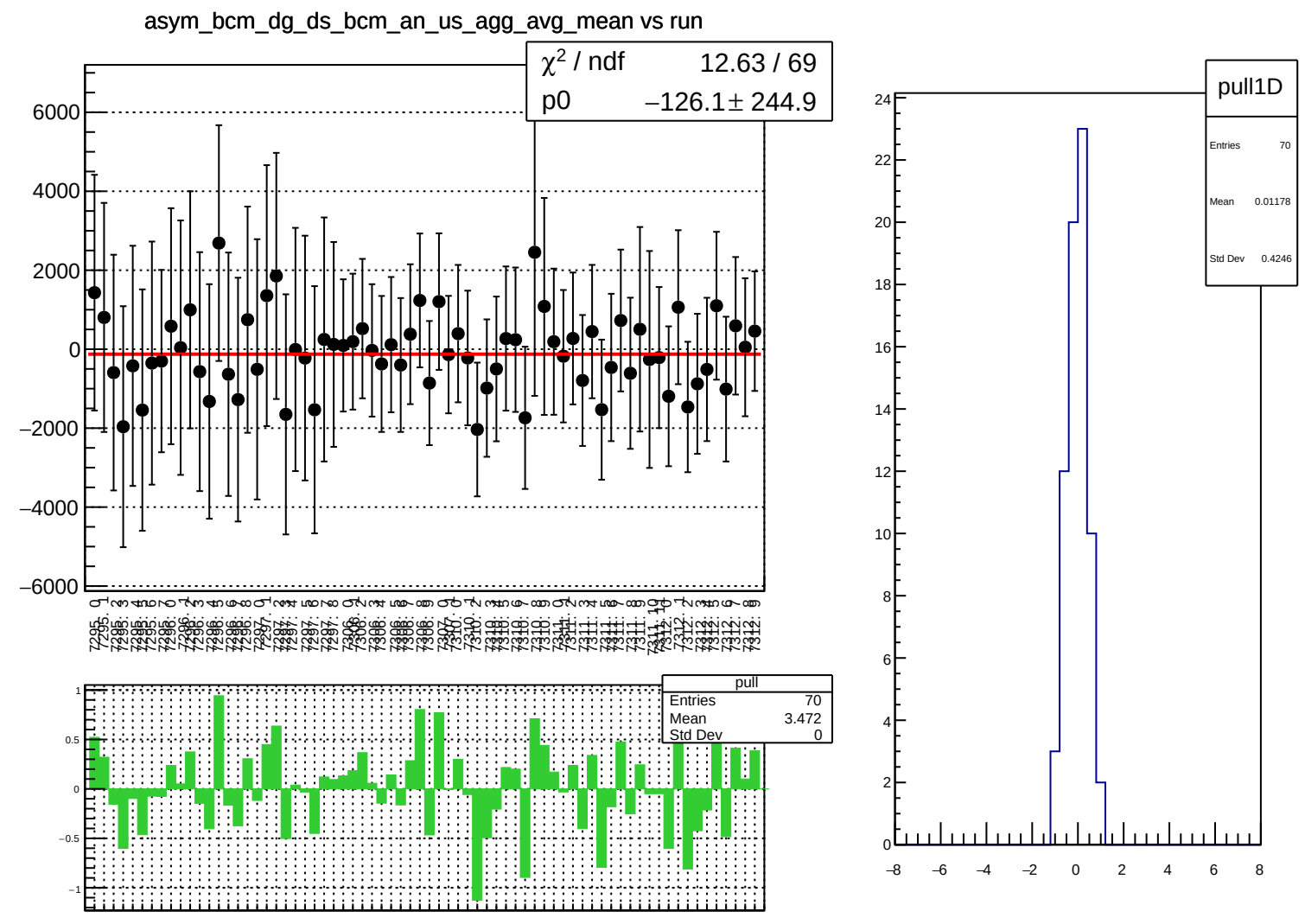

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.49 / 69
p0 −106.3 ± 241.3
pull
Entries 70
Mean −6.16
Std Dev 0
pull1D
Entries 70
Mean 0.0149
Std Dev 0.4221

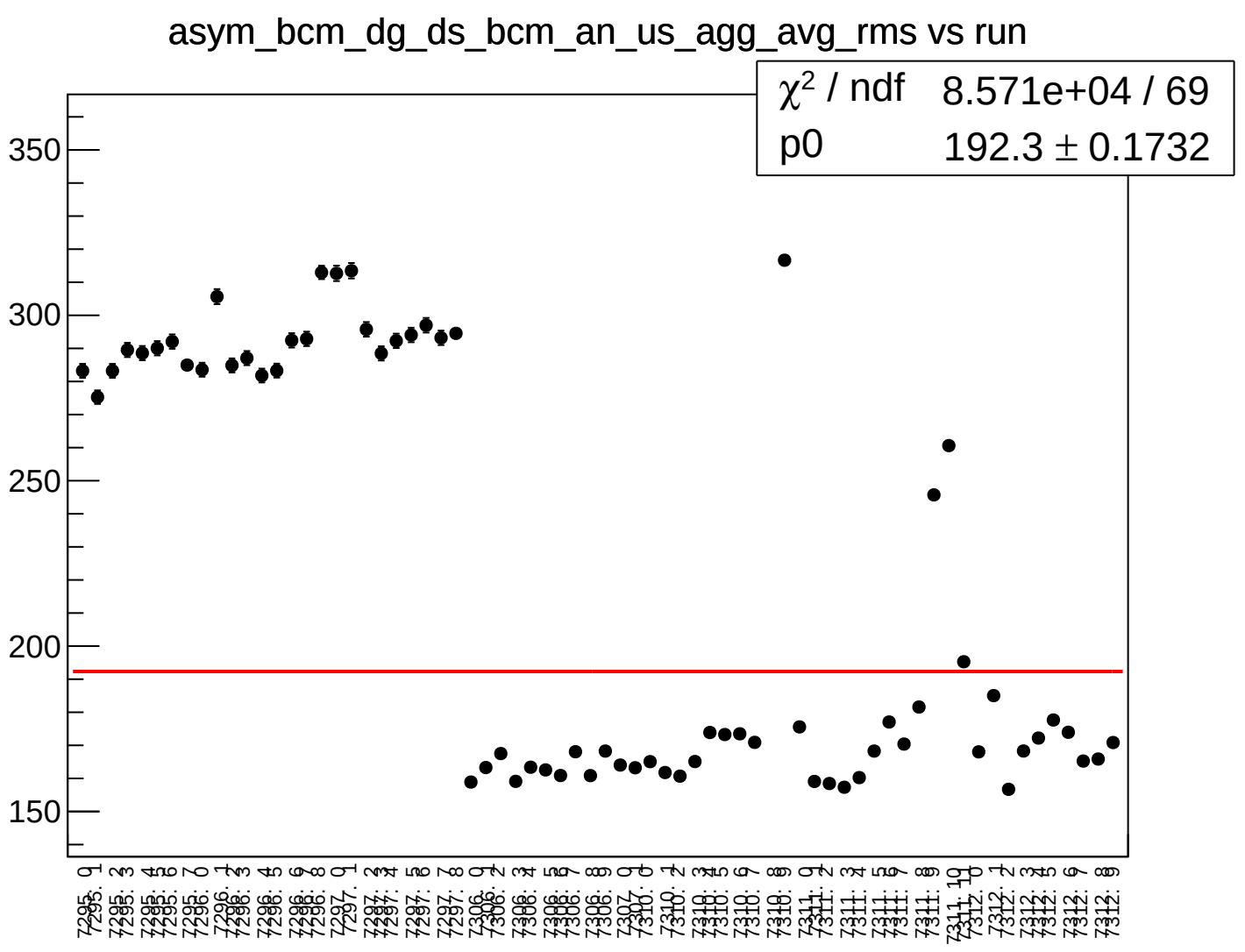

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 8.842e+04 / 69
p0 189.3 ± 0.1706
350
300
250
200
150

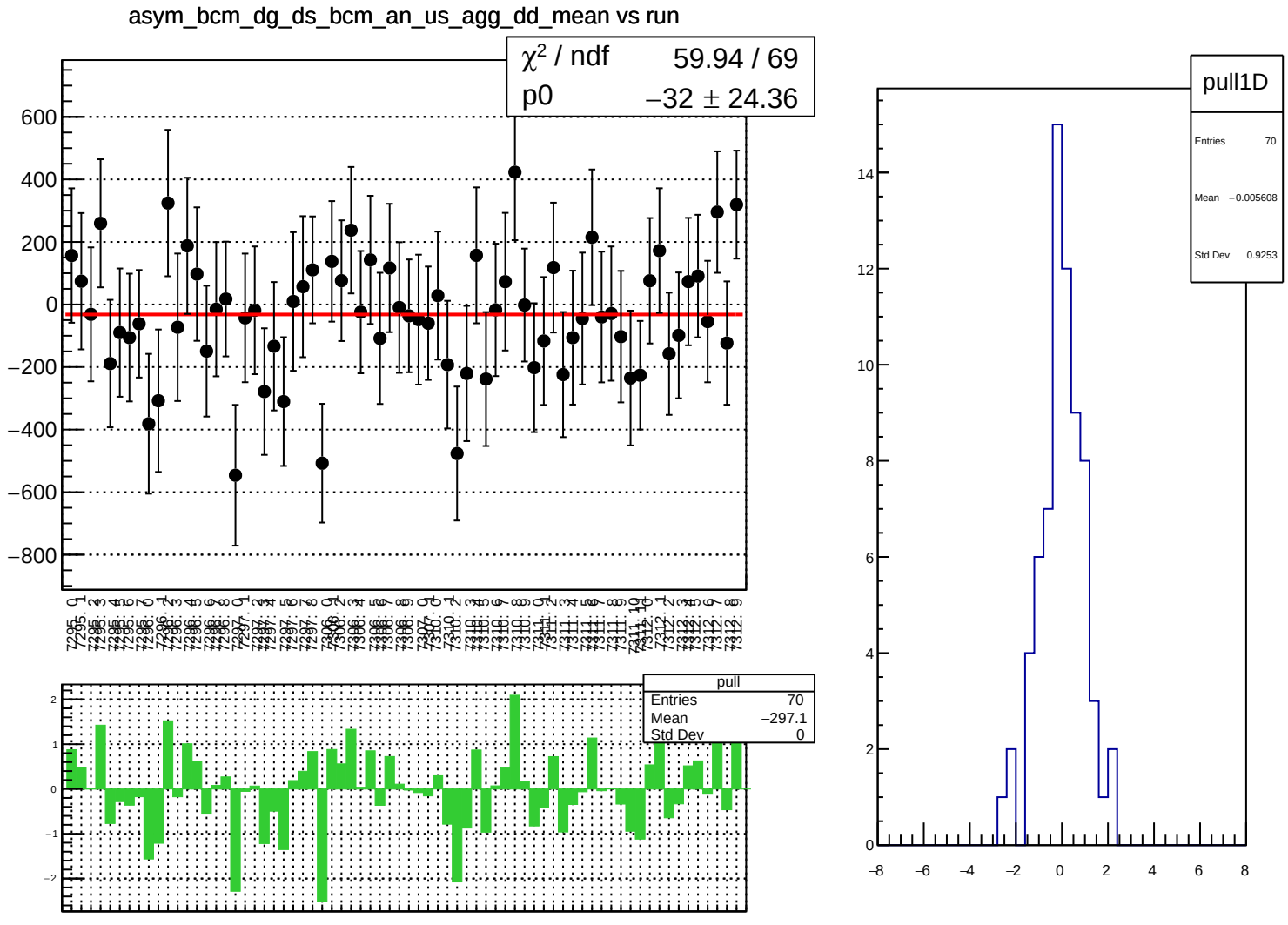

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 56.24 / 69
p0 −2.508 ± 27.7
pull
Entries 70
Mean −144.4
Std Dev 0

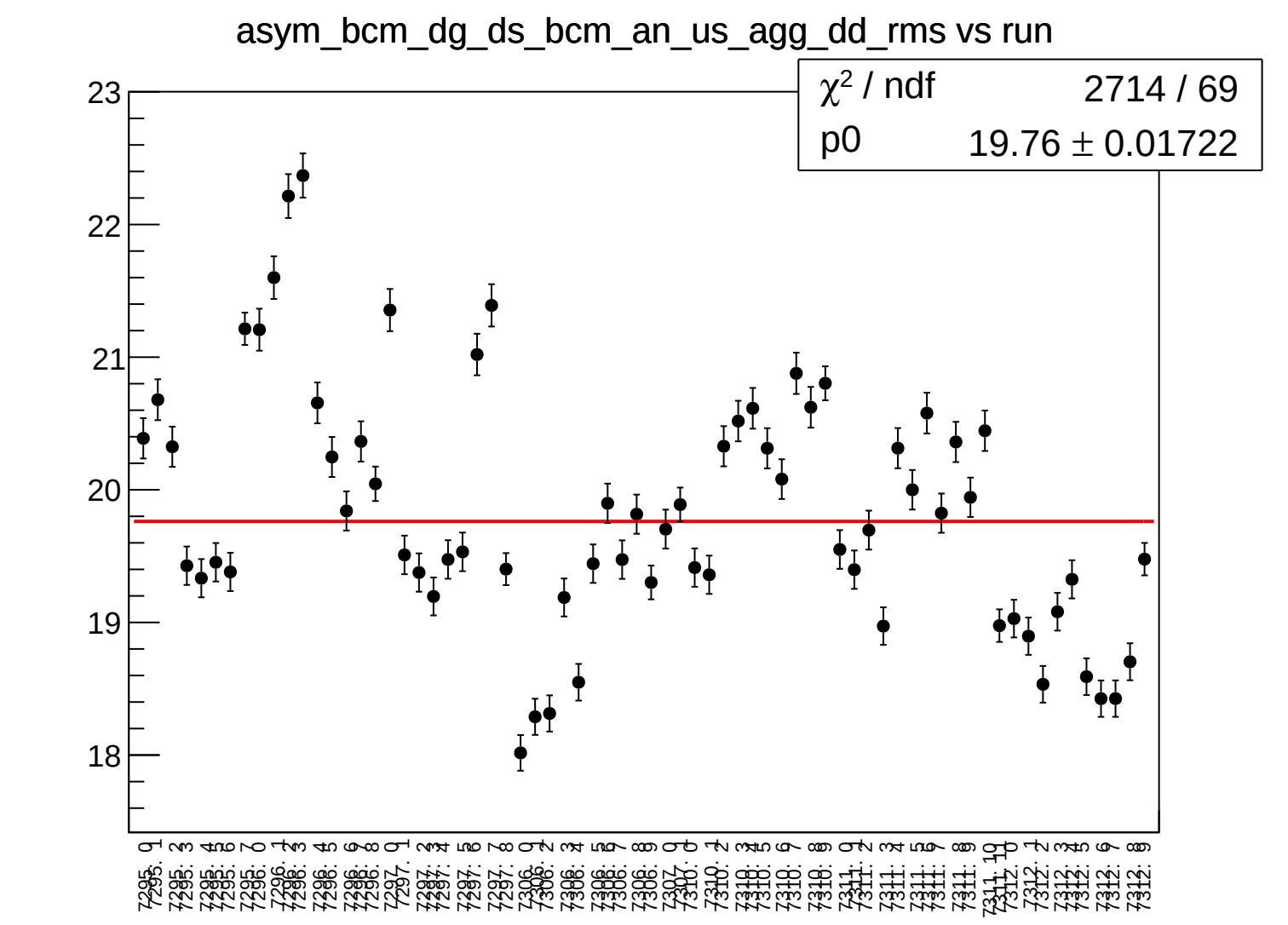

pull1D
Entries 70
Mean 0.00421
Std Dev 0.8964

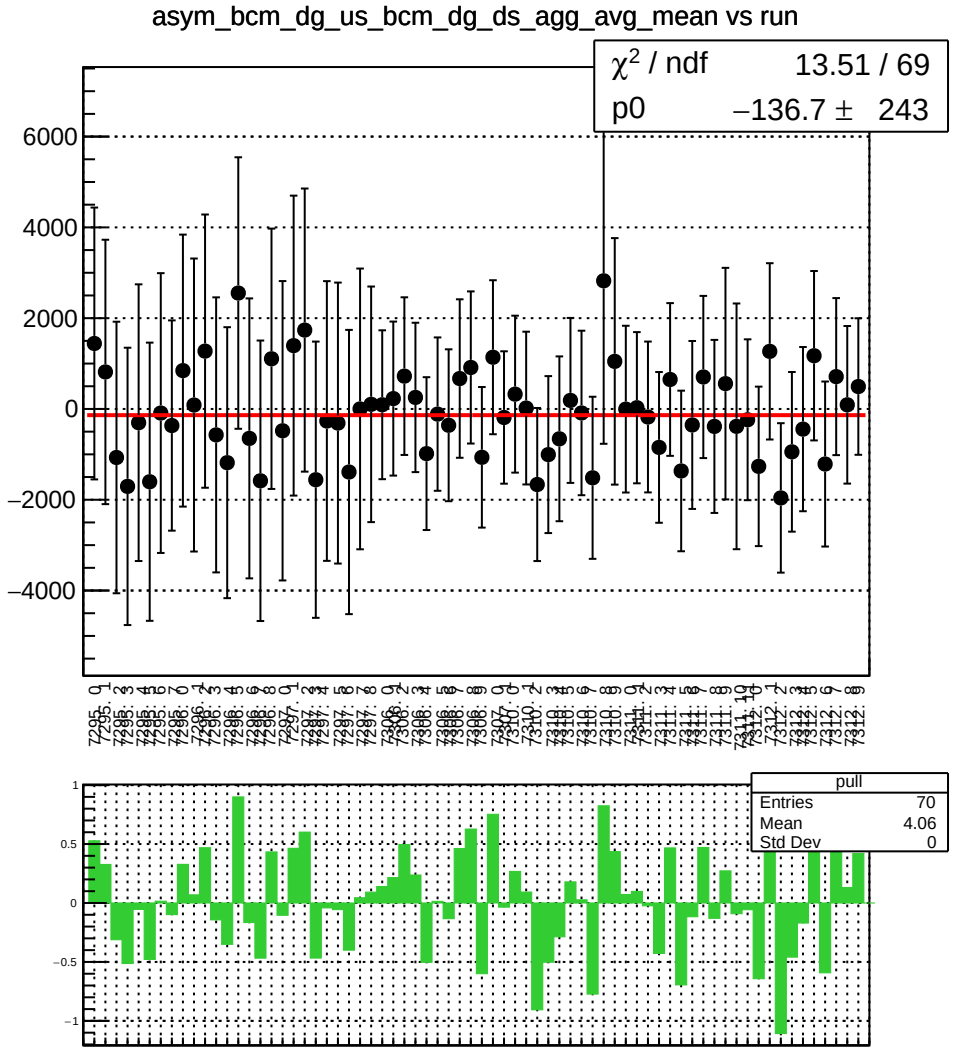

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 400.6 / 69
p0 22.5 ± 0.01959
24
23.5
23
22.5
22
21.5

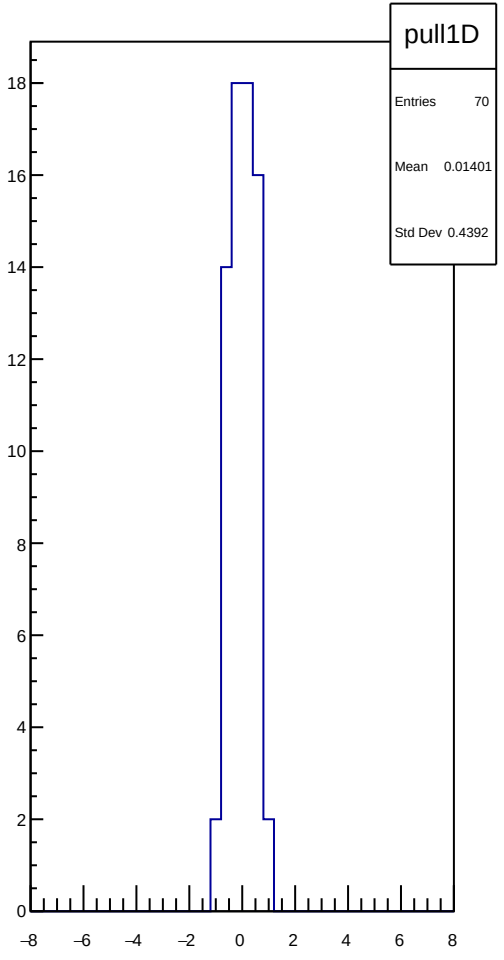

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.63 / 69
p0 −126.1± 244.9
pull
Entries 70
Mean 3.472
Std Dev 0
pull1D
Entries 70
Mean 0.01178
Std Dev 0.4246

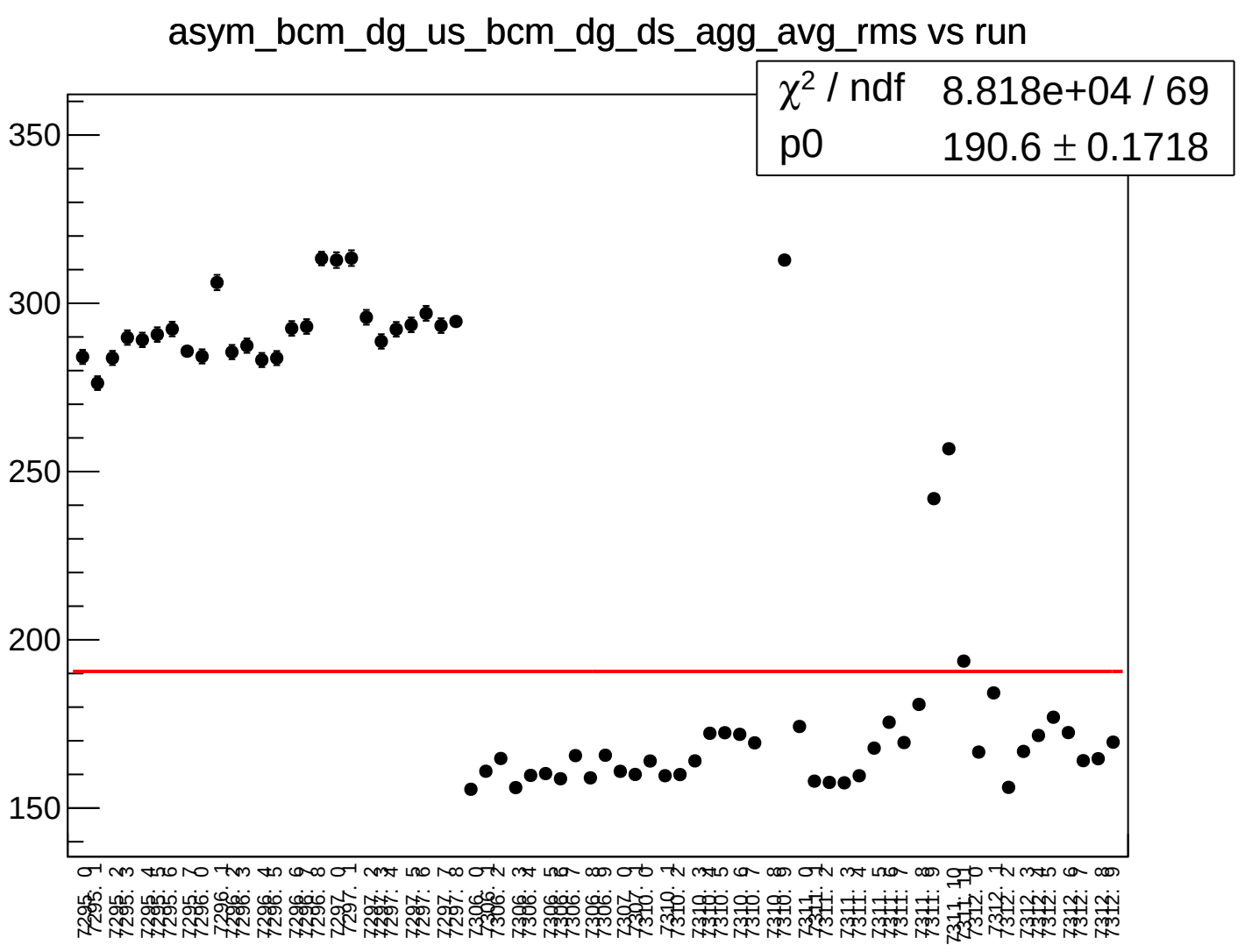

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 8.571e+04 / 69
p0 192.3 ± 0.1732
350
300
250
200
150

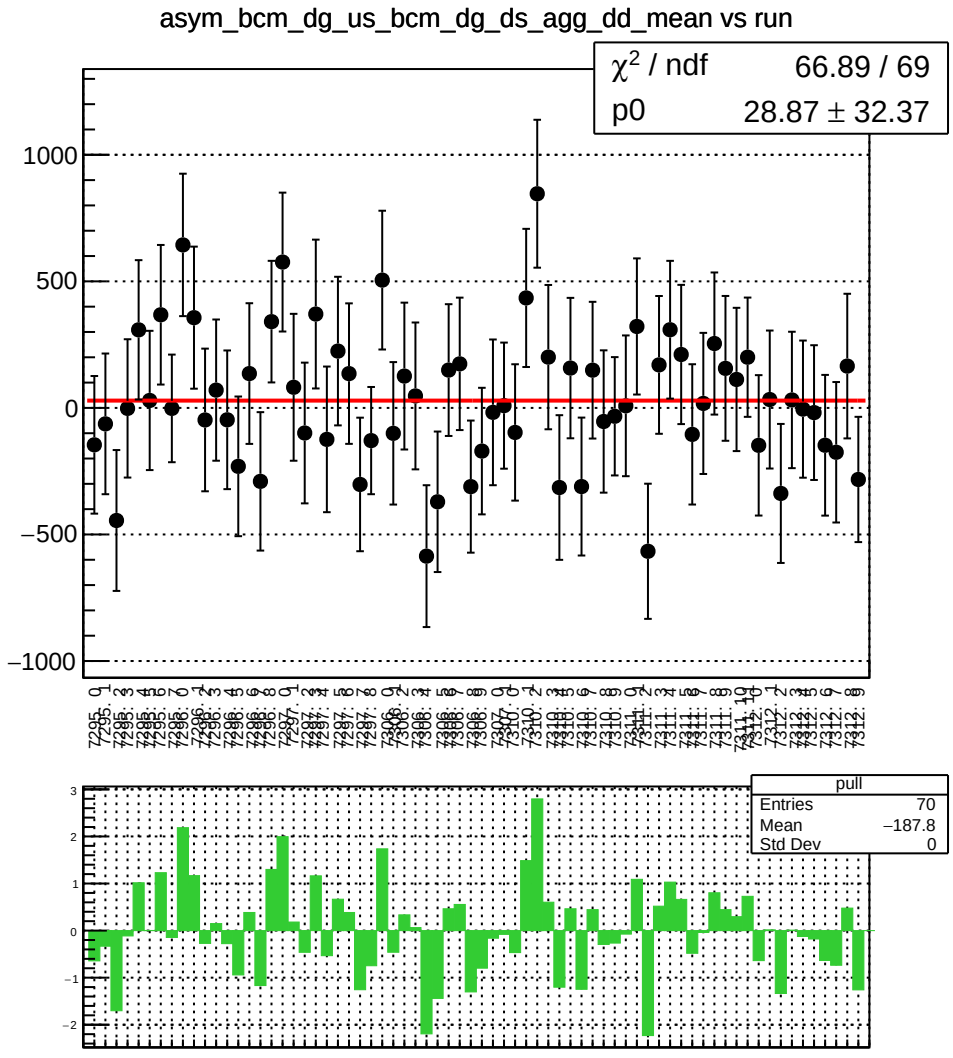

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 59.94 / 69
p0 −32 ± 24.36
pull
Entries 70
Mean −297.1
Std Dev 0
pull1D
Entries 70
Mean −0.005608
Std Dev 0.9253

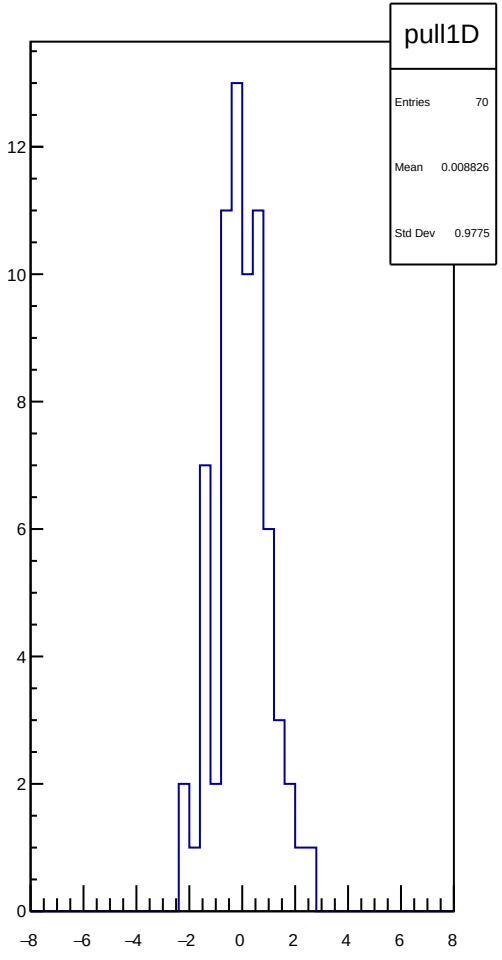

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2714 / 69
p0 19.76 ± 0.01722
23
22
21
20
19
18

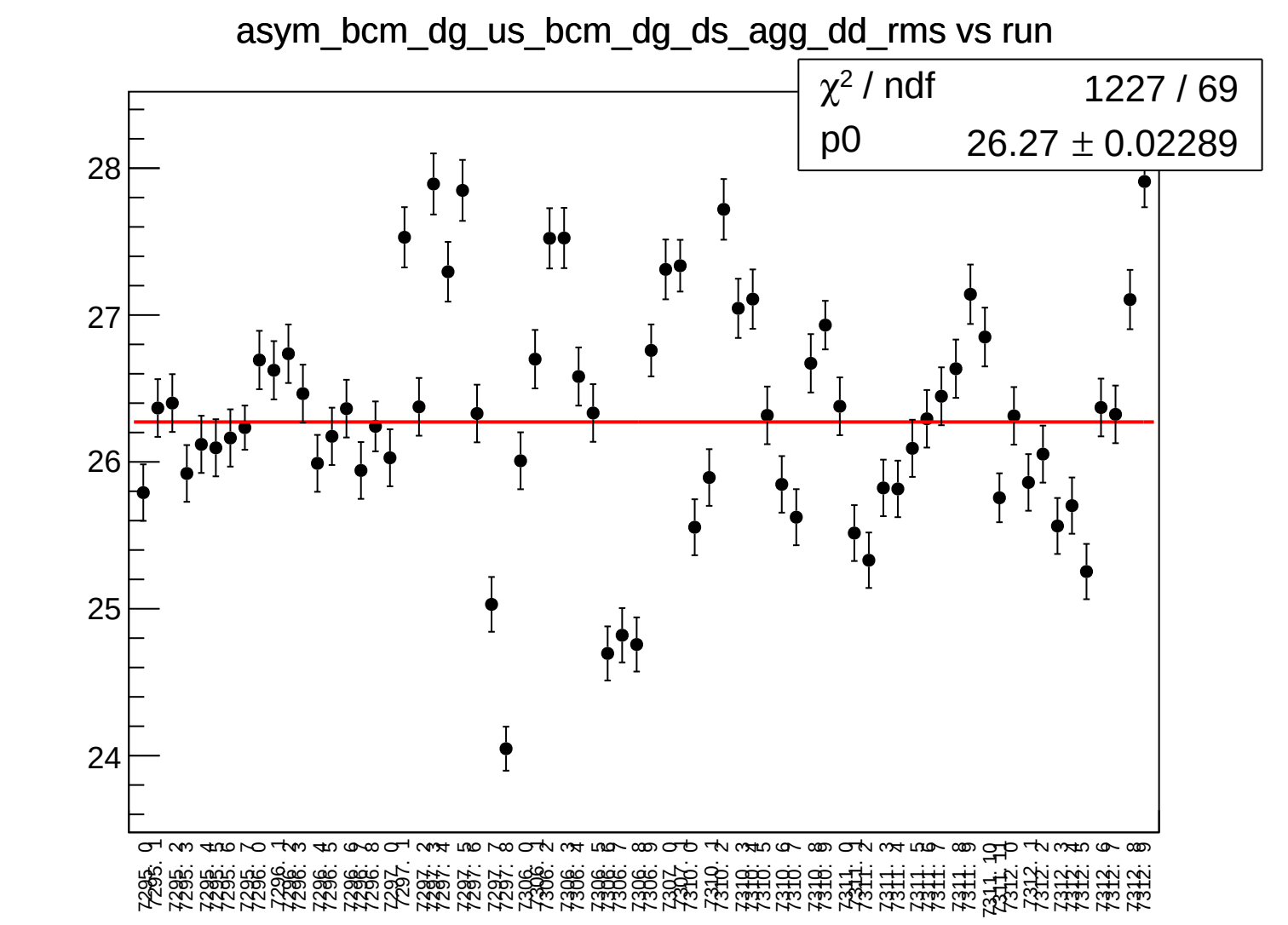

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.51 / 69
p0 −136.7 ± 243
pull
Entries 70
Mean 4.06
Std Dev 0

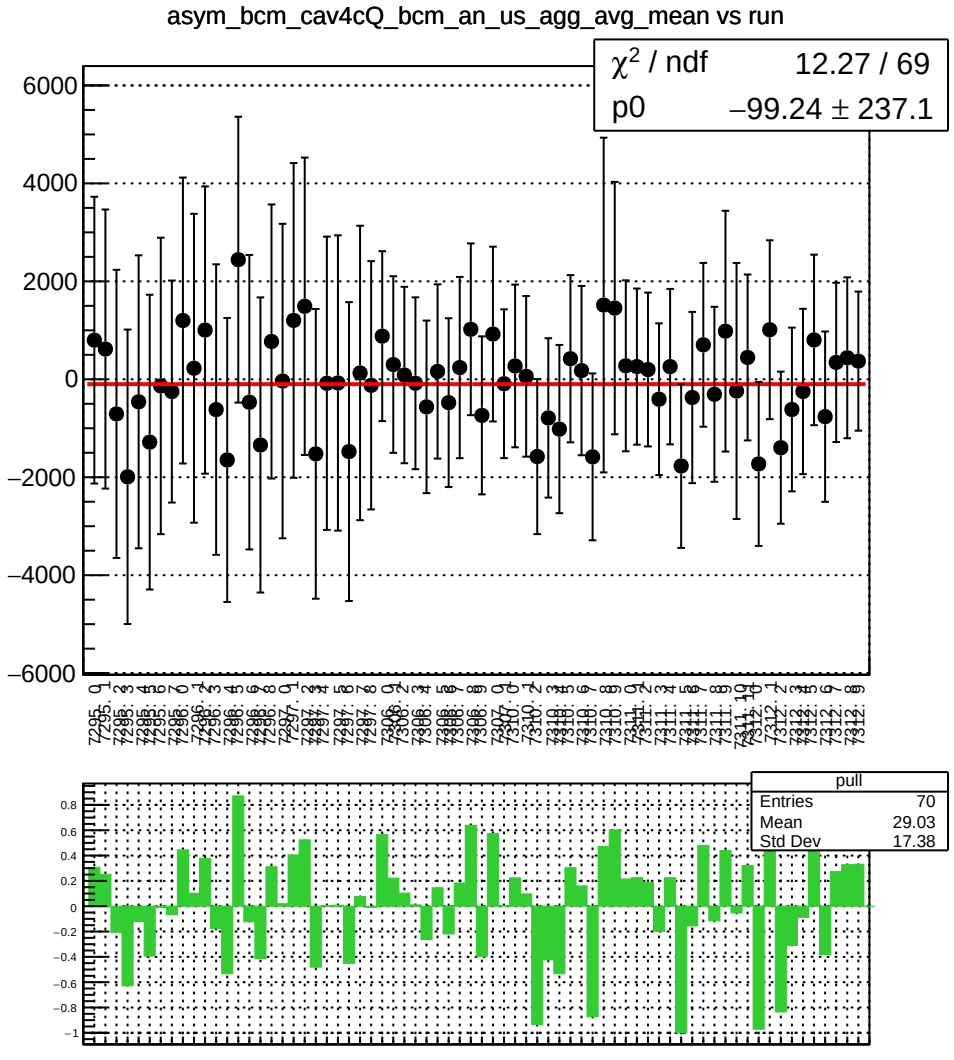

pull1D
Entries 70
Mean 0.01401
Std Dev 0.4392

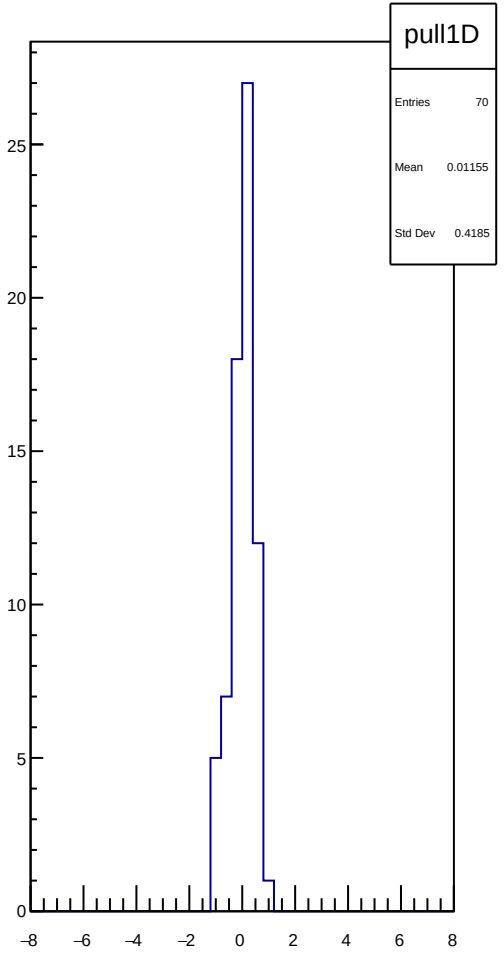

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 8.818e+04 / 69
p0 190.6 ± 0.1718
350
300
250
200
150

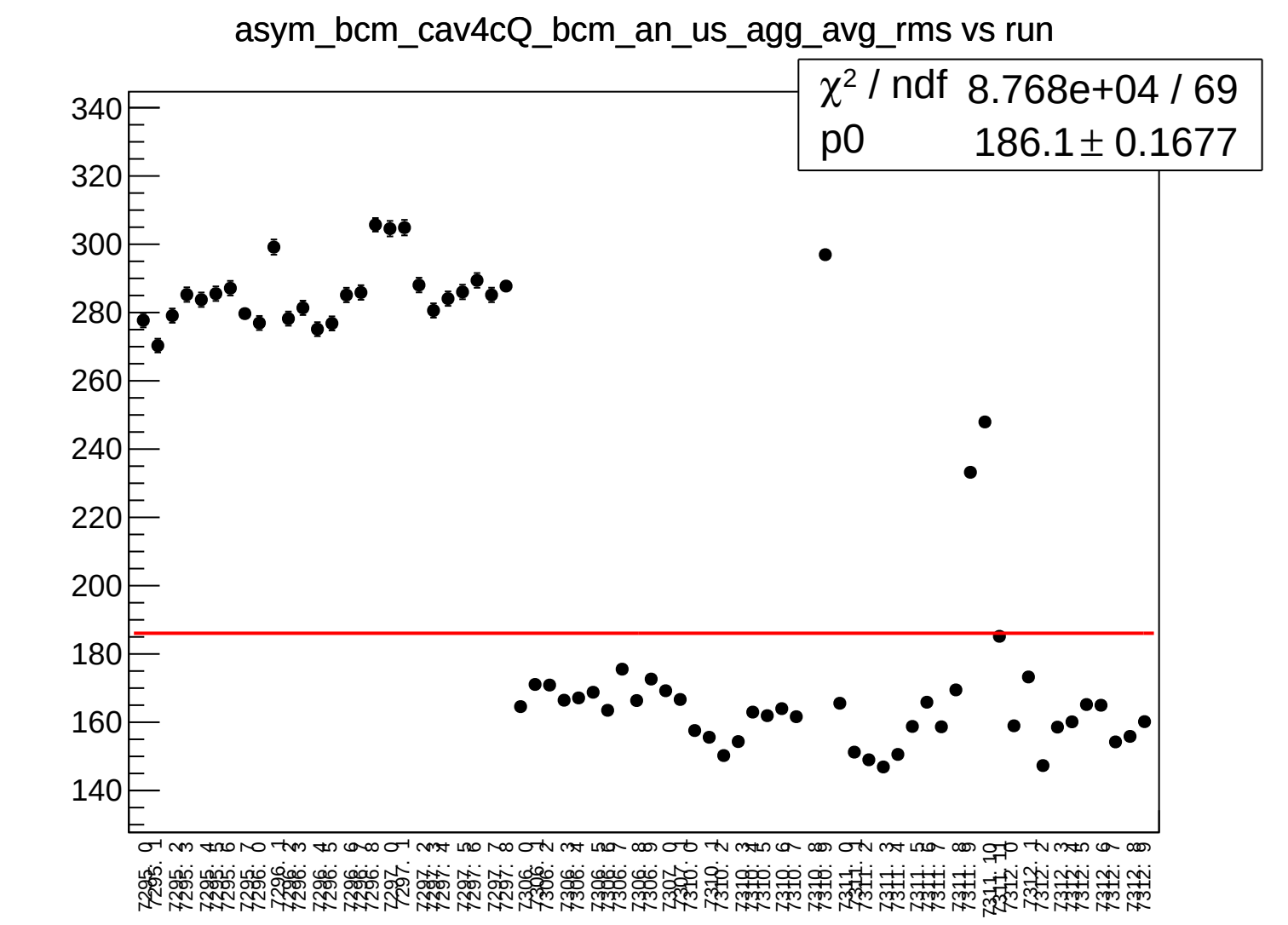

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 66.89 / 69
p0 28.87 ± 32.37
1000
500
0
−500
−1000
pull
Entries 70
Mean −187.8
Std Dev 0
3
2
1
0
−1
−2

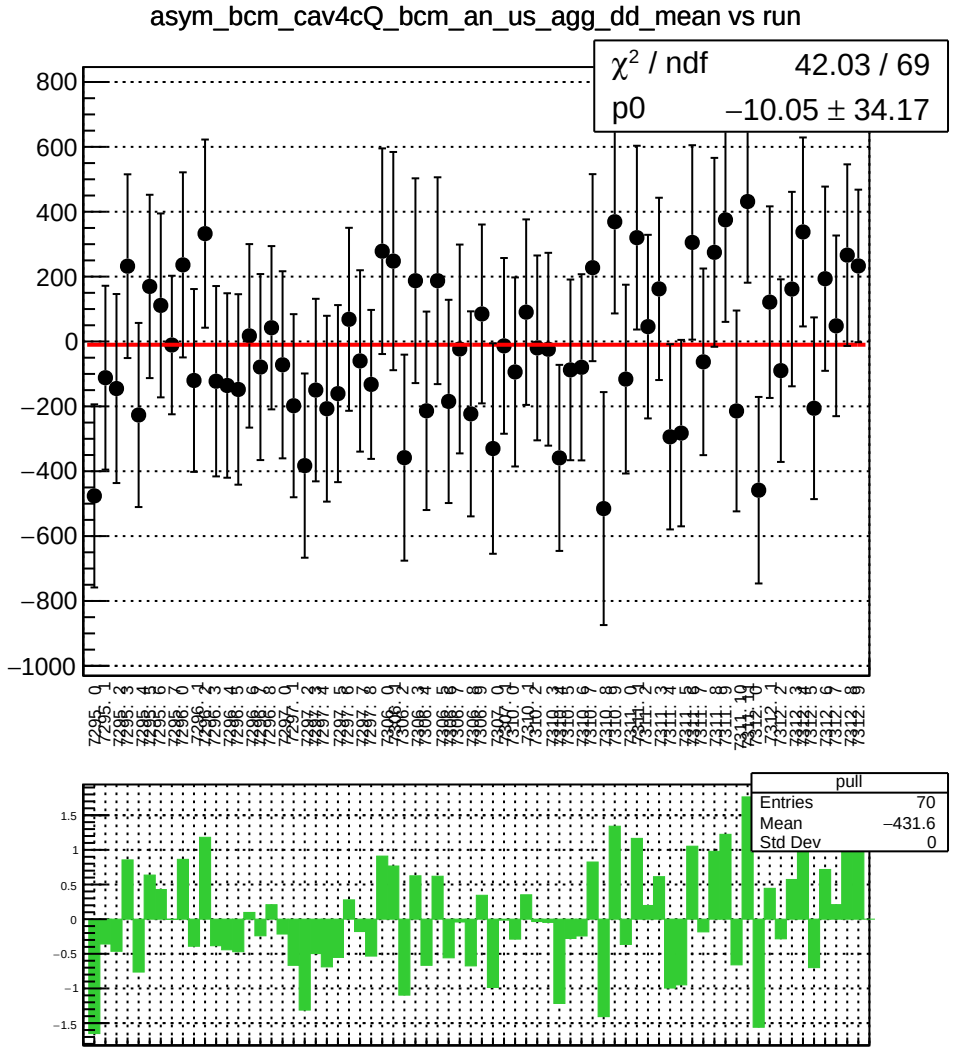

pull1D
Entries 70
Mean 0.008826
Std Dev 0.9775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

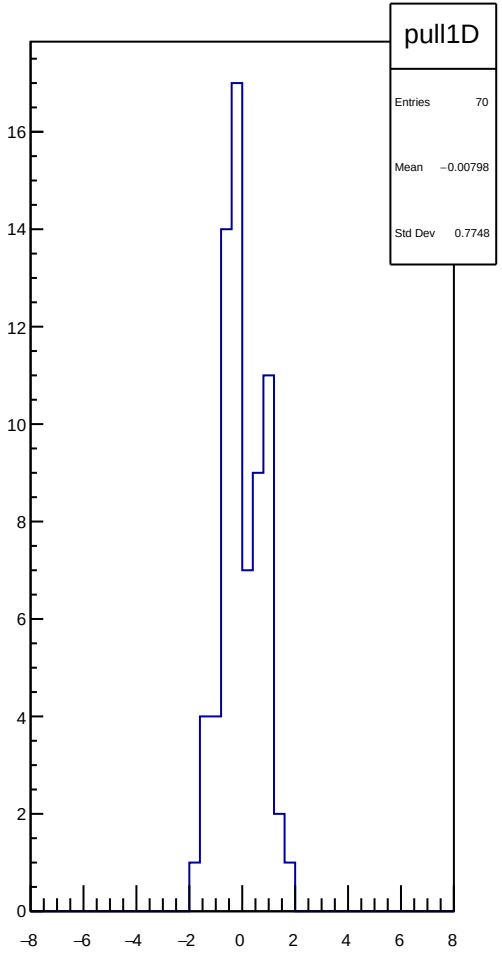

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1227 / 69
p0 26.27 ± 0.02289
28
27
26
25
24

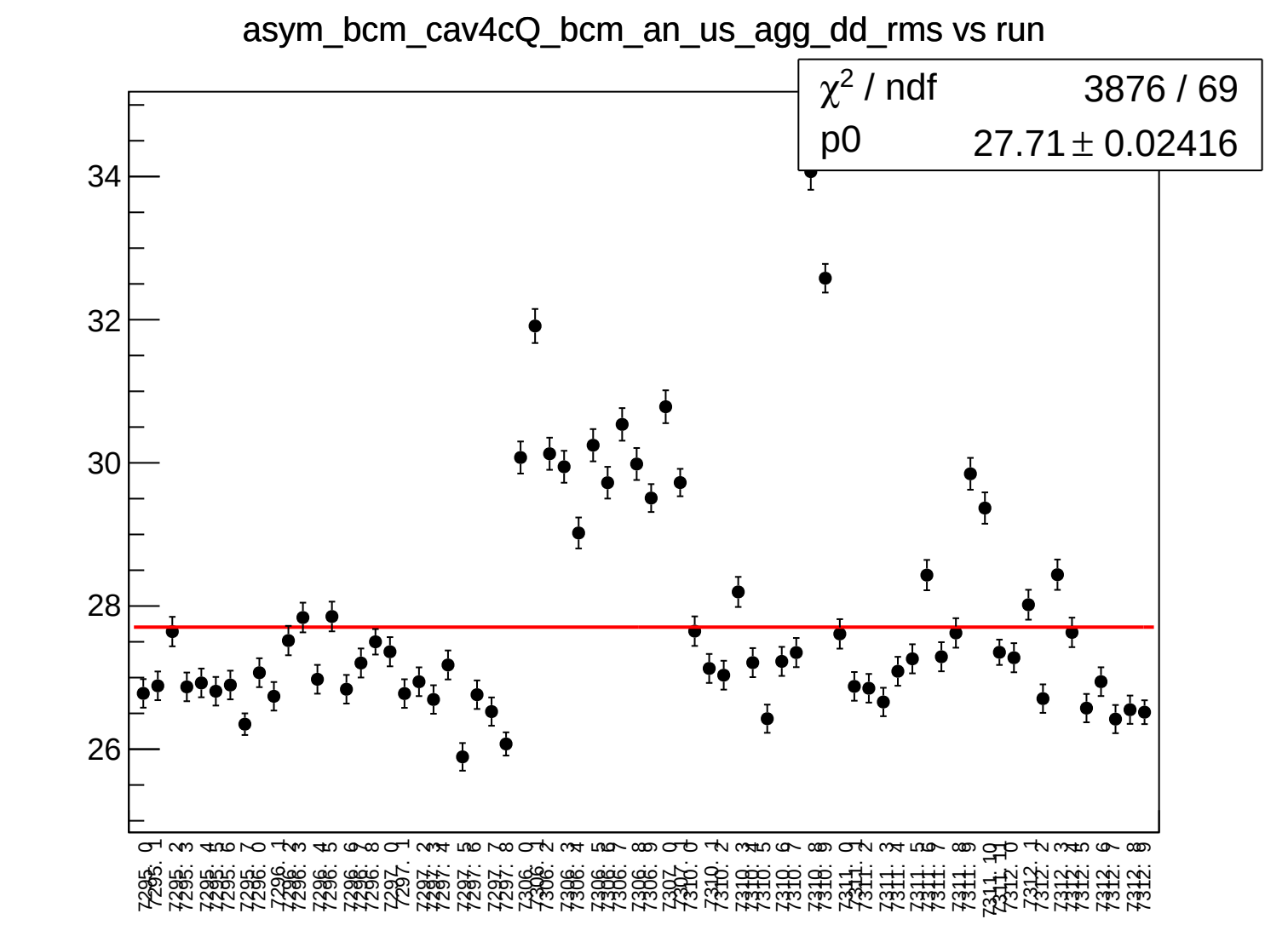

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.27 / 69
p0 −99.24 ± 237.1
pull
Entries 70
Mean 29.03
Std Dev 17.38

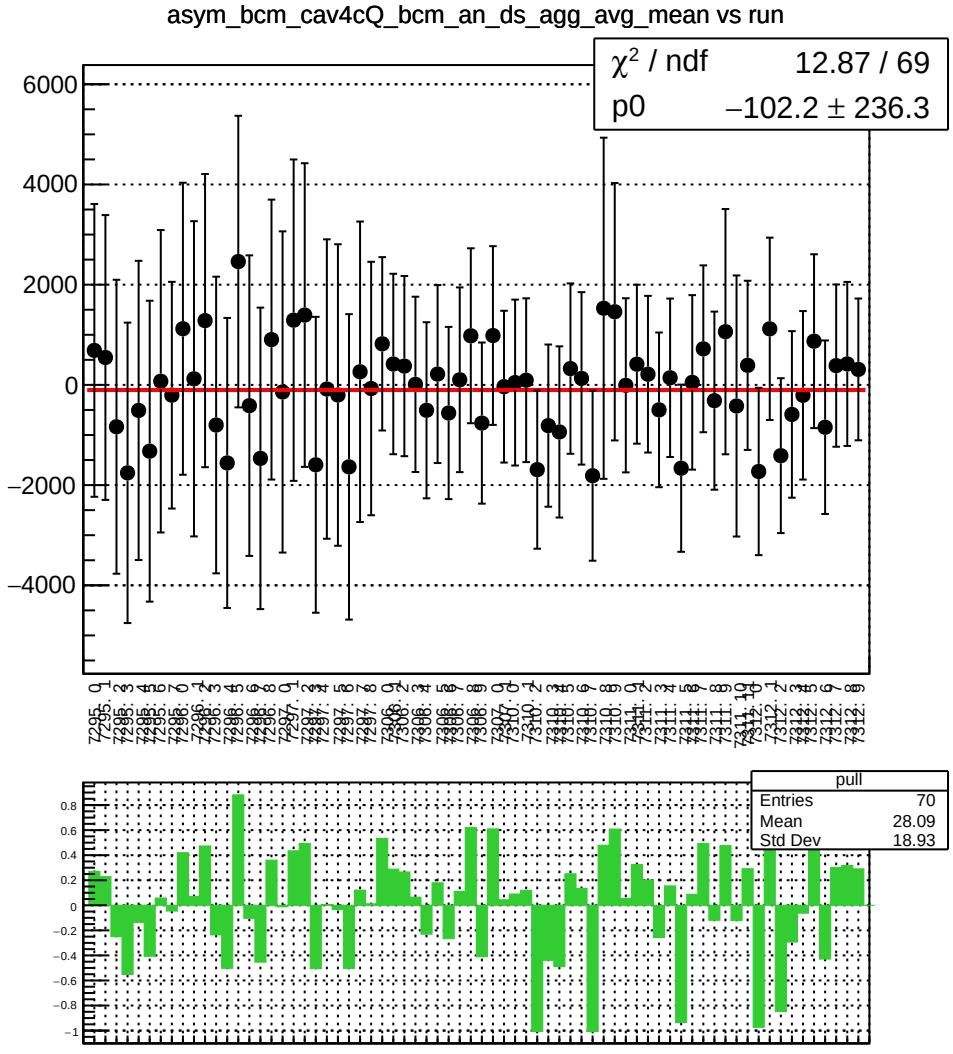

pull1D
Entries 70
Mean 0.01155
Std Dev 0.4185

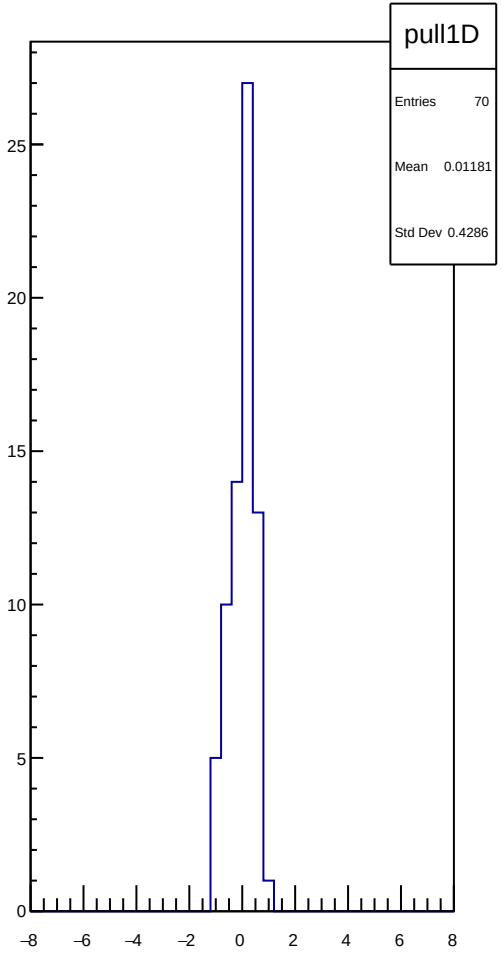

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 8.768e+04 / 69
p0 186.1 ± 0.1677
340
320
300
280
260
240
220
200
180
160
140

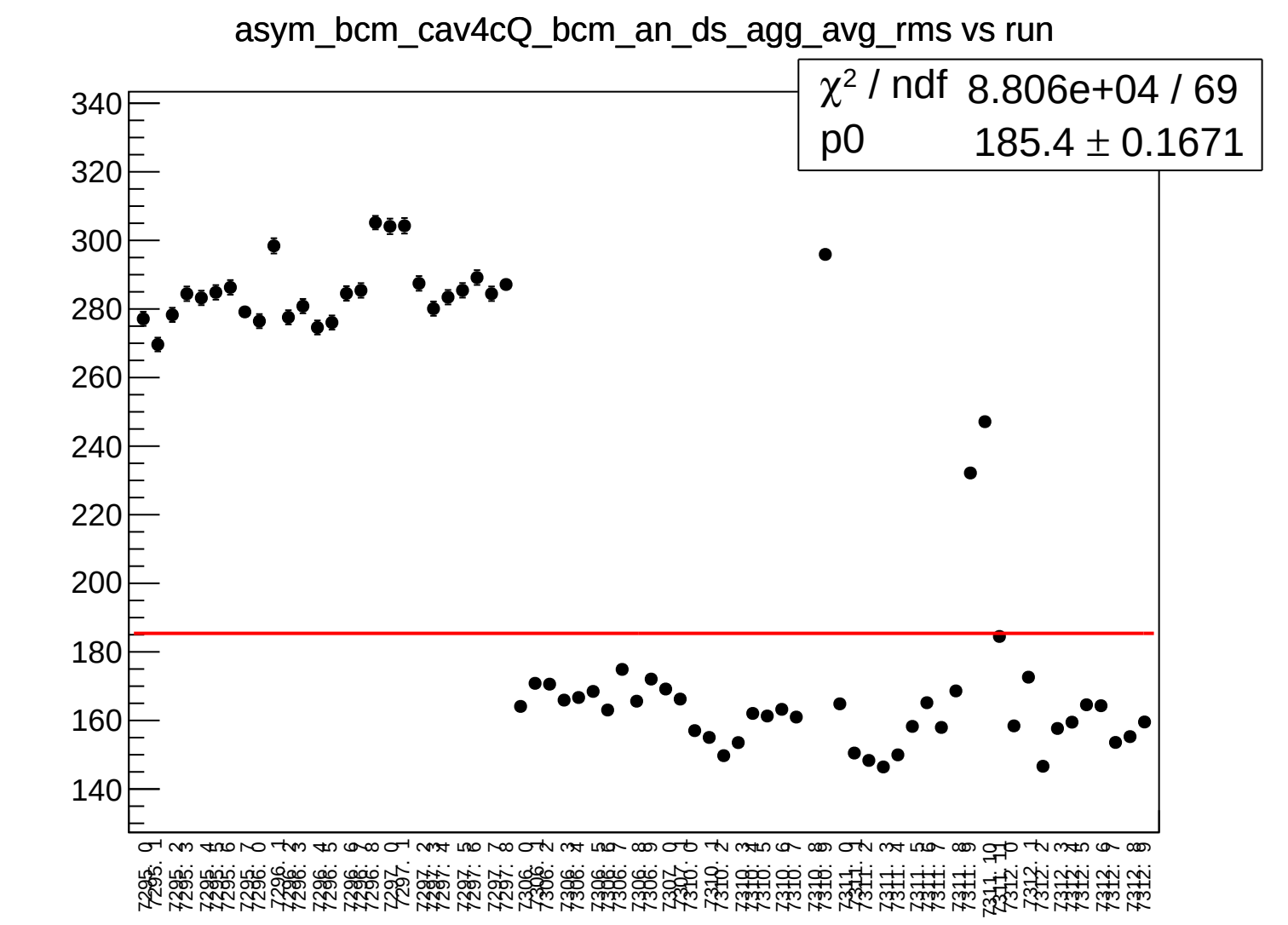

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 42.03 / 69
p0 −10.05 ± 34.17
pull
Entries 70
Mean −431.6
Std Dev 0

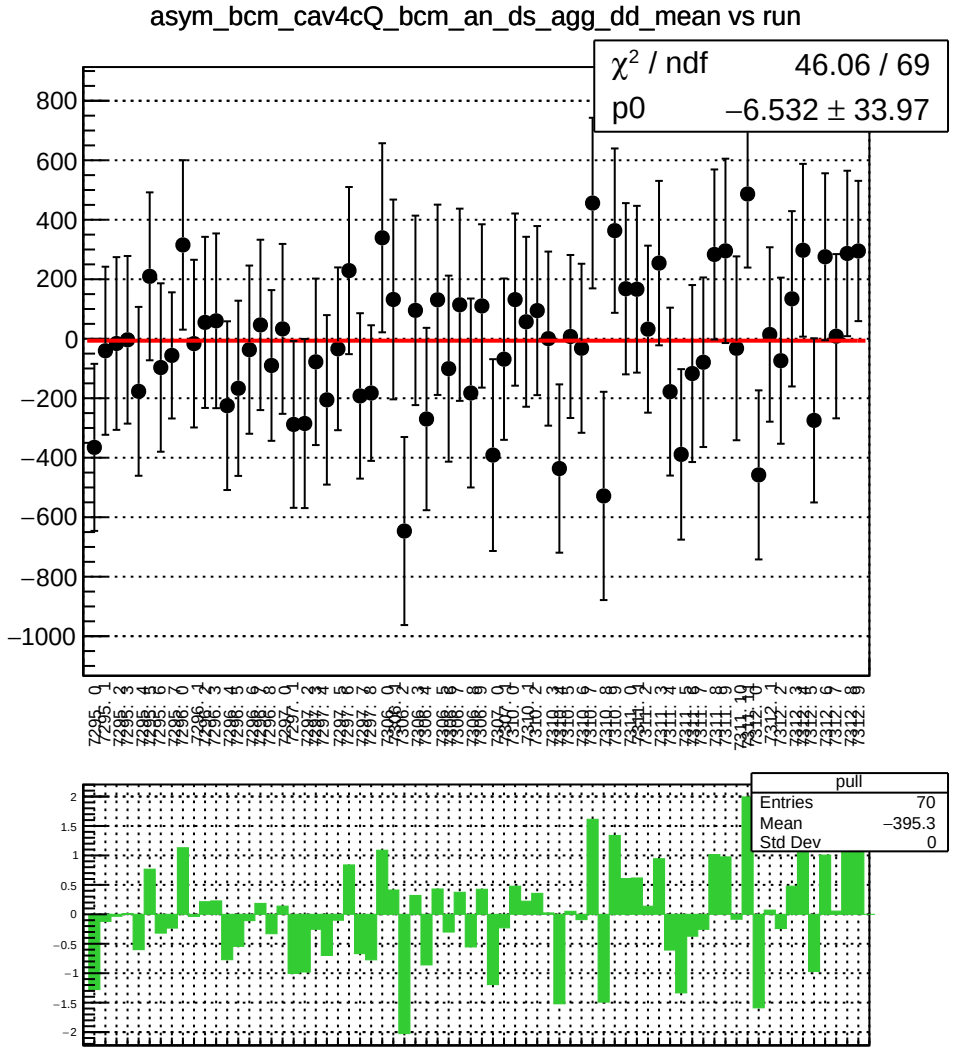

pull1D
Entries 70
Mean −0.00798
Std Dev 0.7748

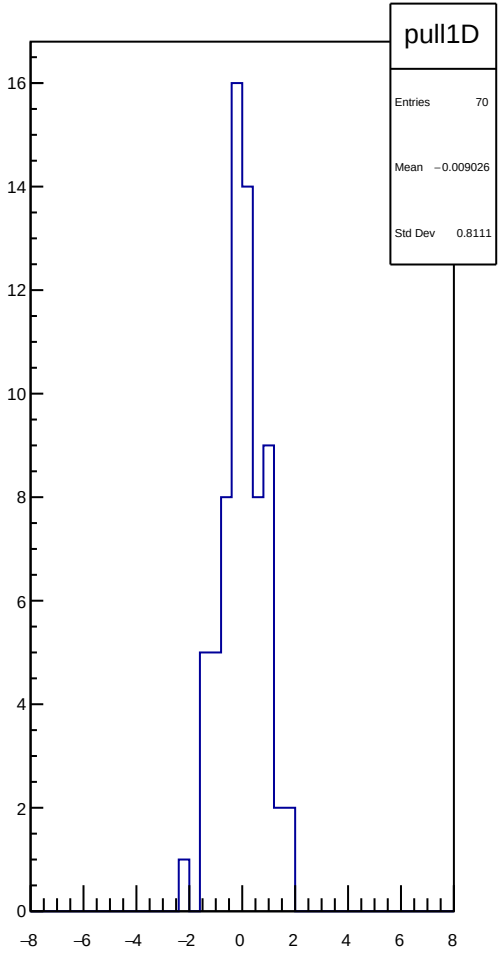

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3876 / 69
p0 27.71 ± 0.02416
34
32
30
28
26

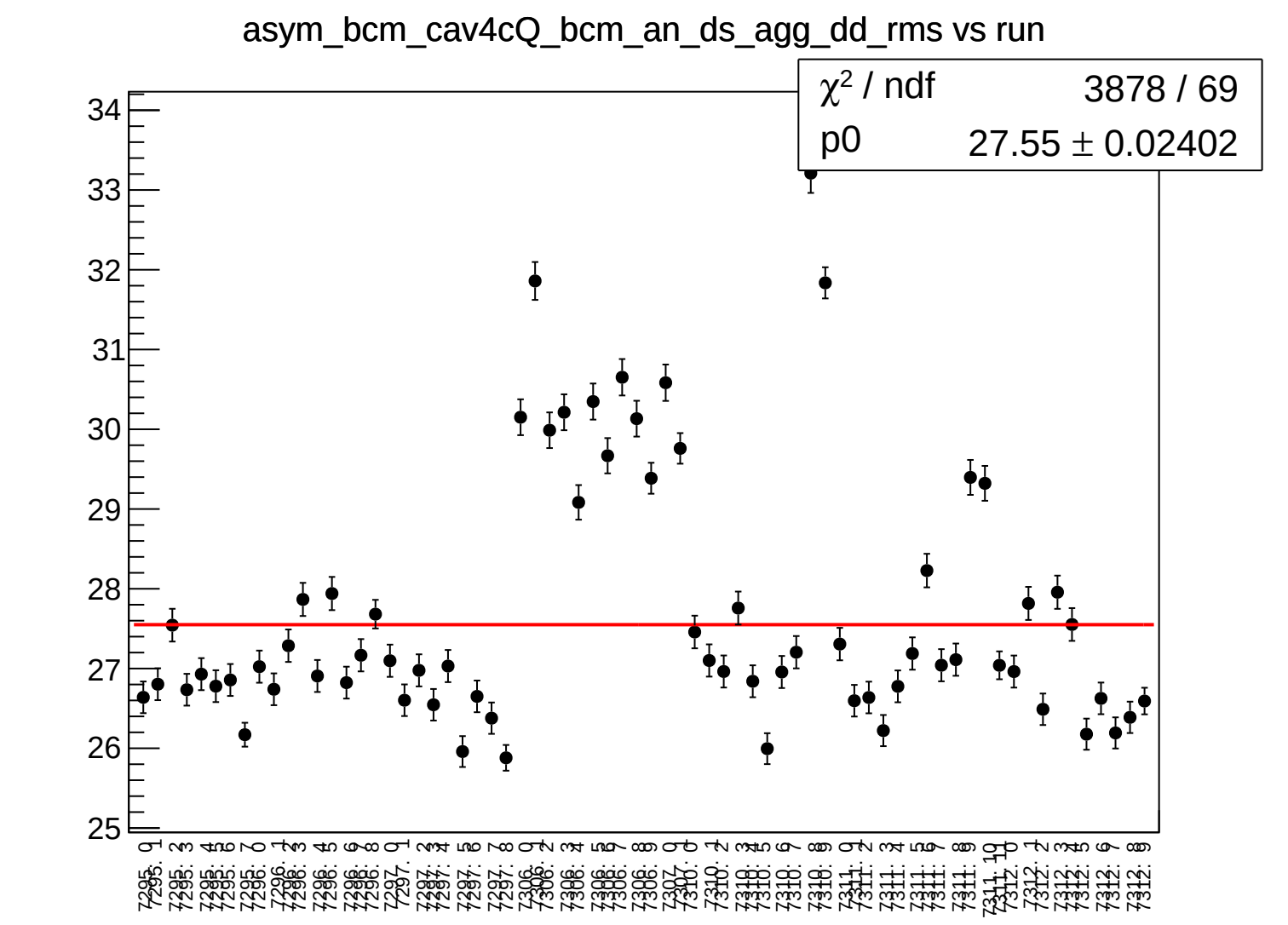

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.87 / 69
p0 −102.2 ± 236.3
pull
Entries 70
Mean 28.09
Std Dev 18.93

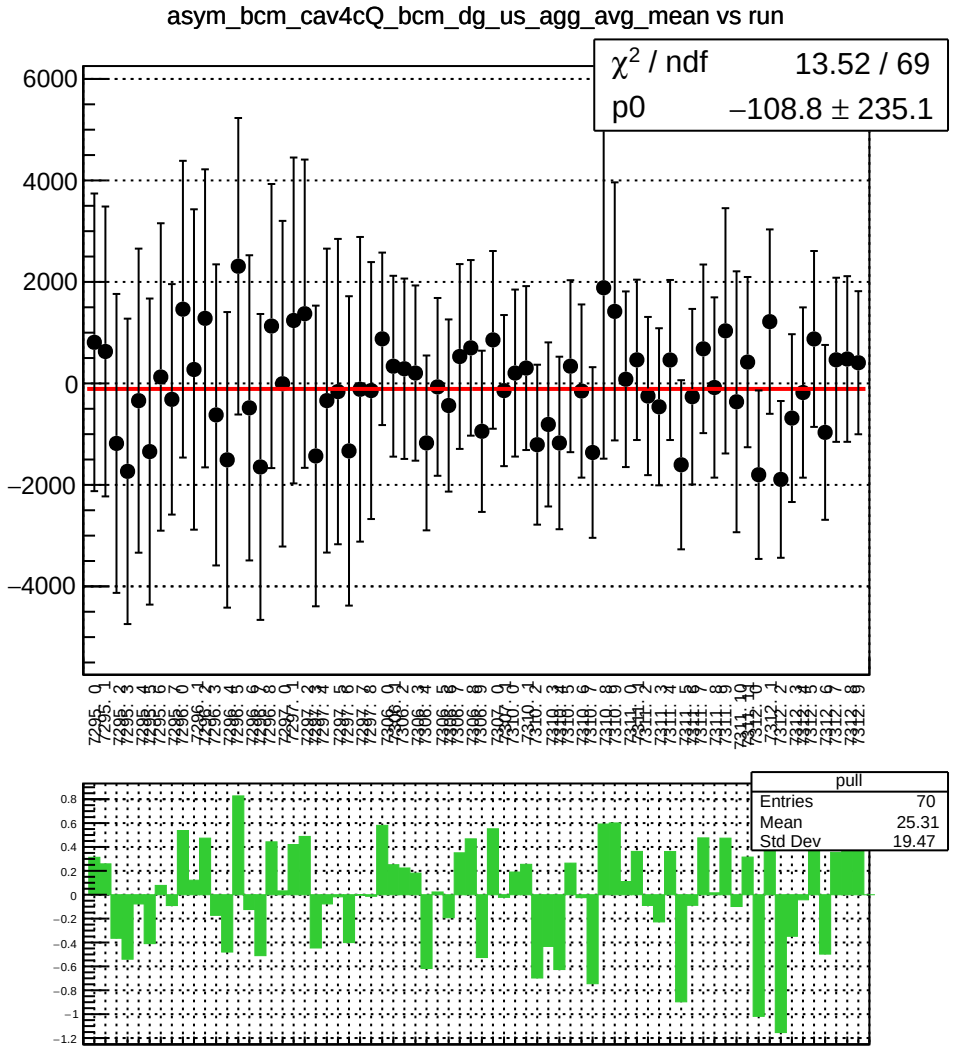

pull1D
Entries 70
Mean 0.01181
Std Dev 0.4286

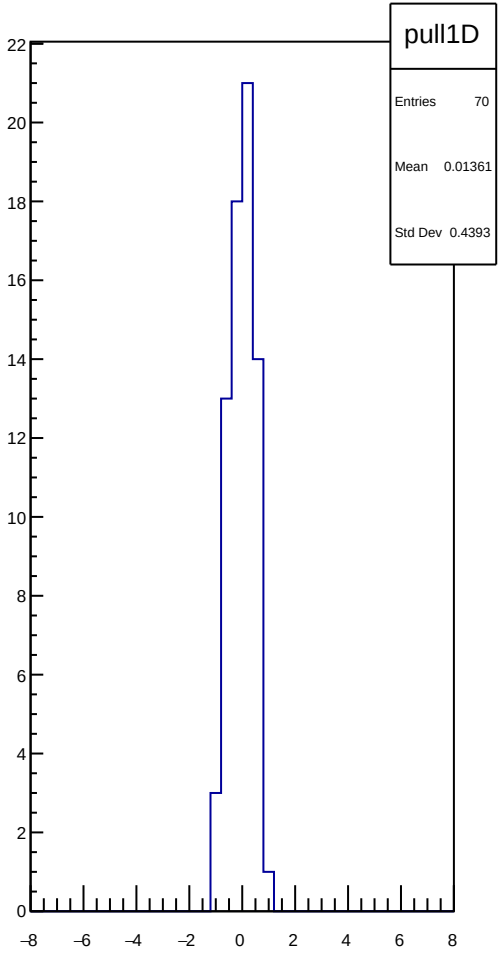

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8.806e+04 / 69
p0 185.4 ± 0.1671
340
320
300
280
260
240
220
200
180
160
140

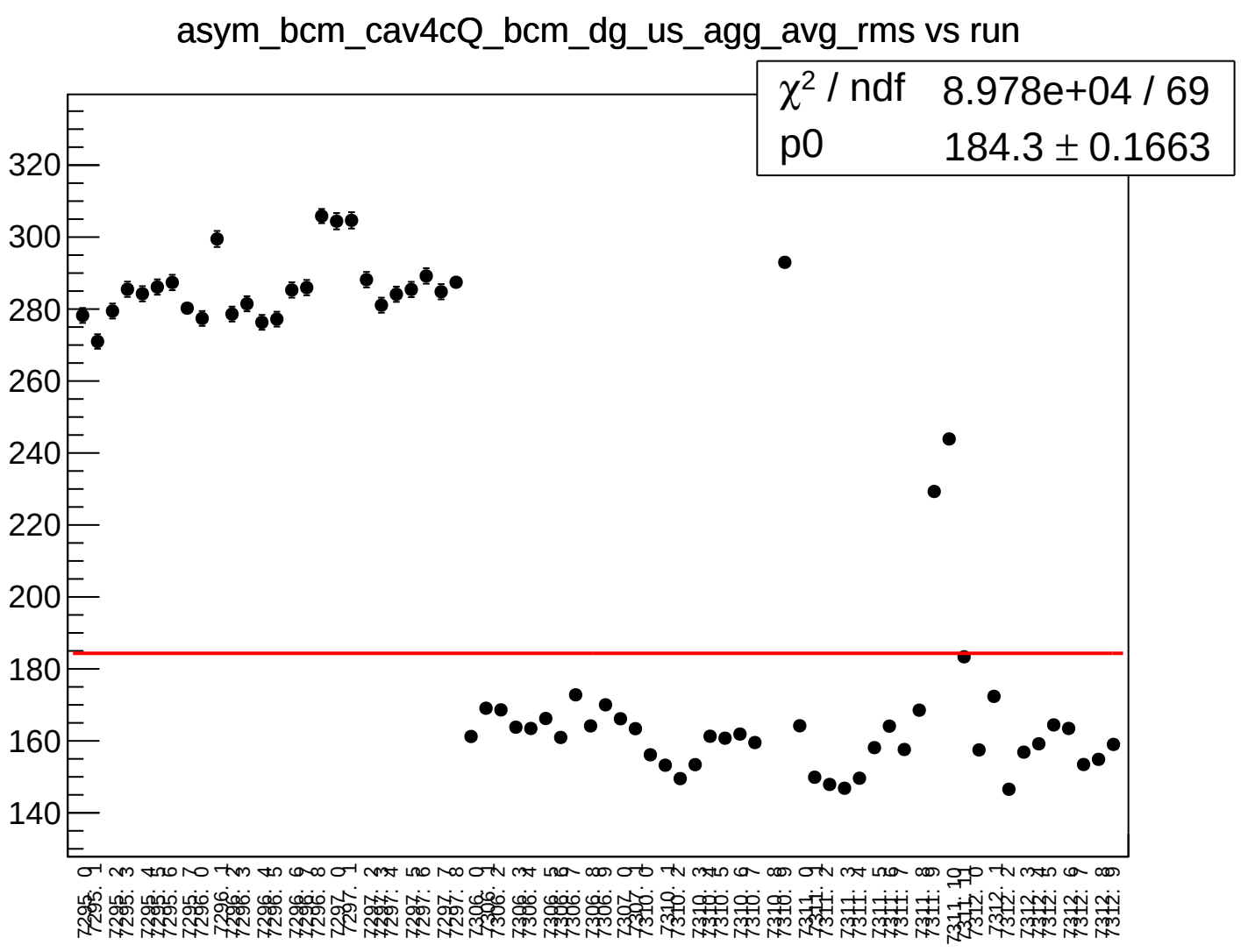

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.06 / 69
p0 −6.532 ± 33.97
pull
Entries 70
Mean −395.3
Std Dev 0

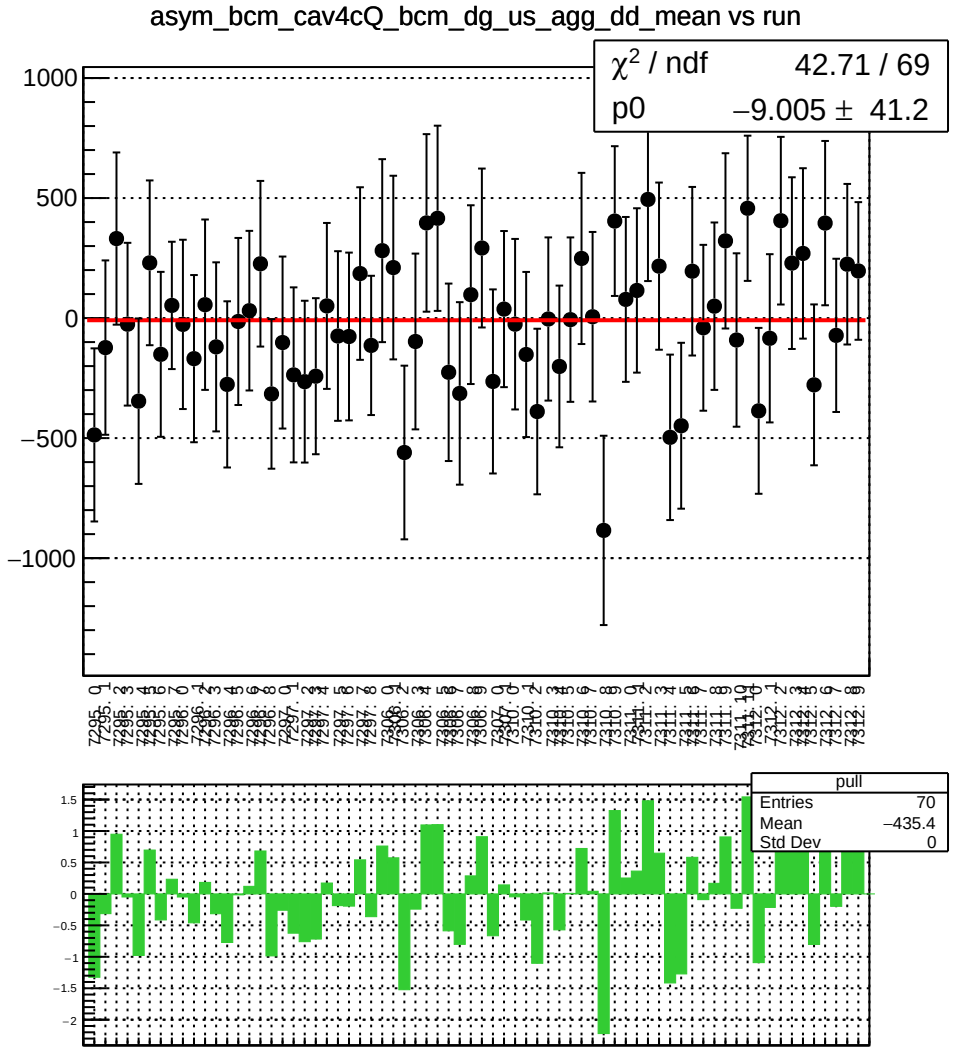

pull1D
Entries 70
Mean −0.009026
Std Dev 0.8111

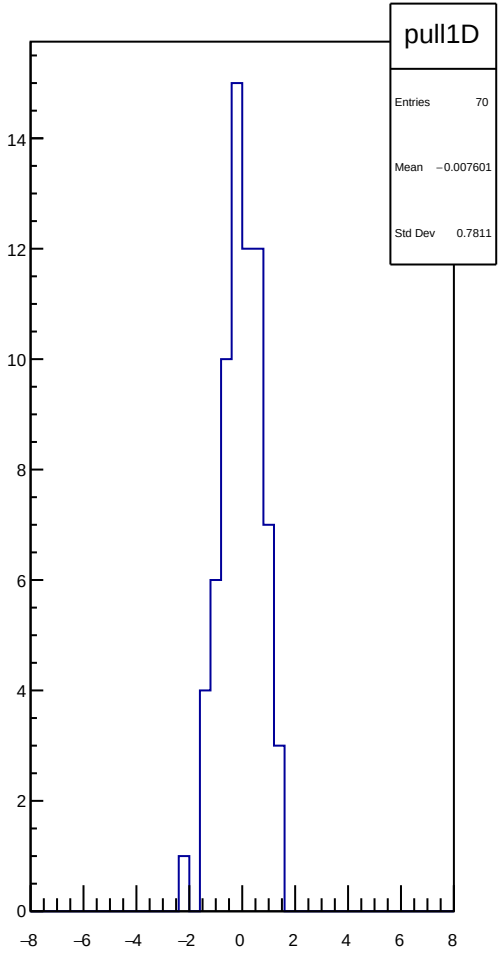

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3878 / 69
p0 27.55 ± 0.02402
34
33
32
31
30
29
28
27
26
25

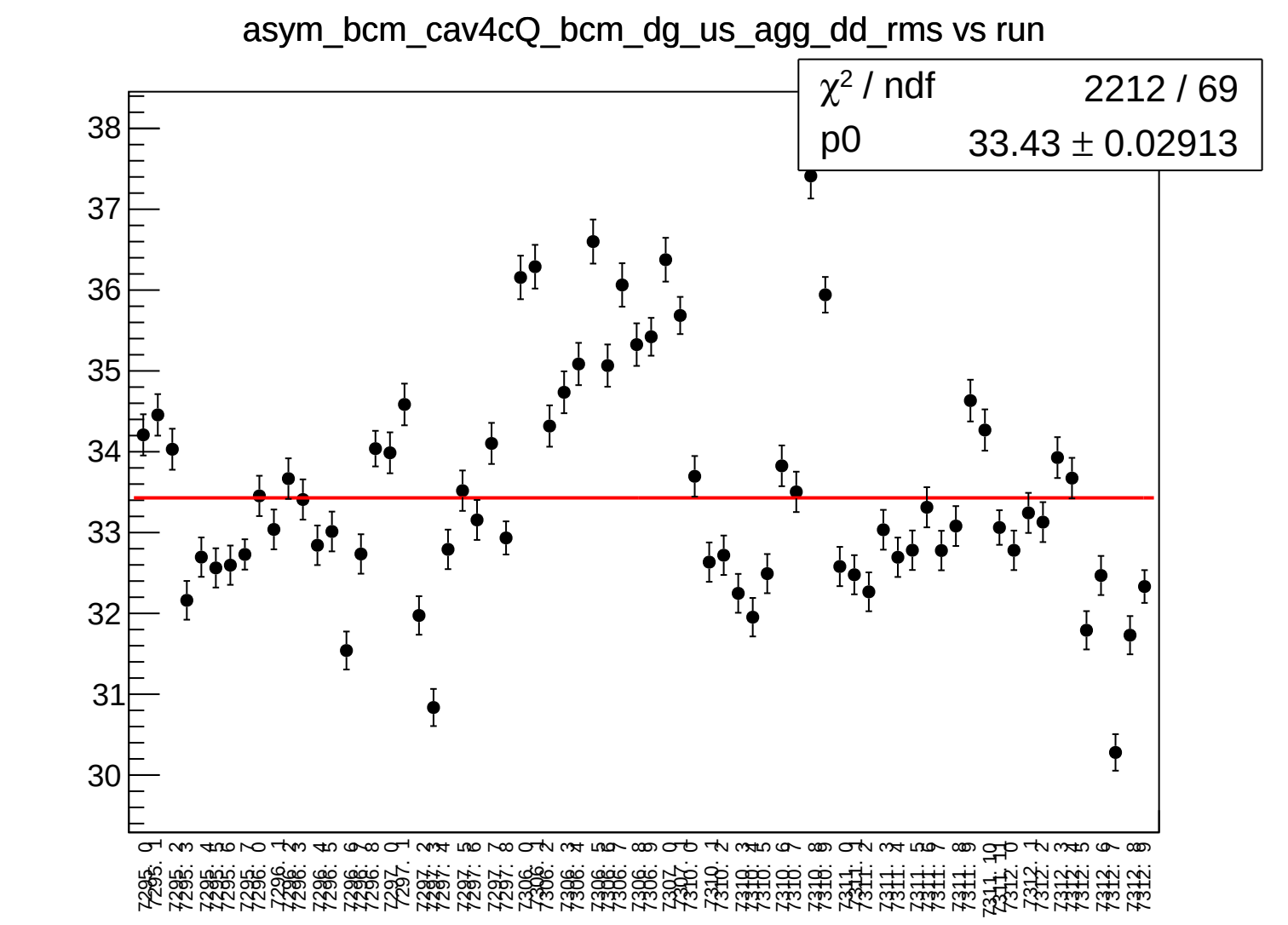

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 13.52 / 69
p0 −108.8 ± 235.1
pull
Entries 70
Mean 25.31
Std Dev 19.47

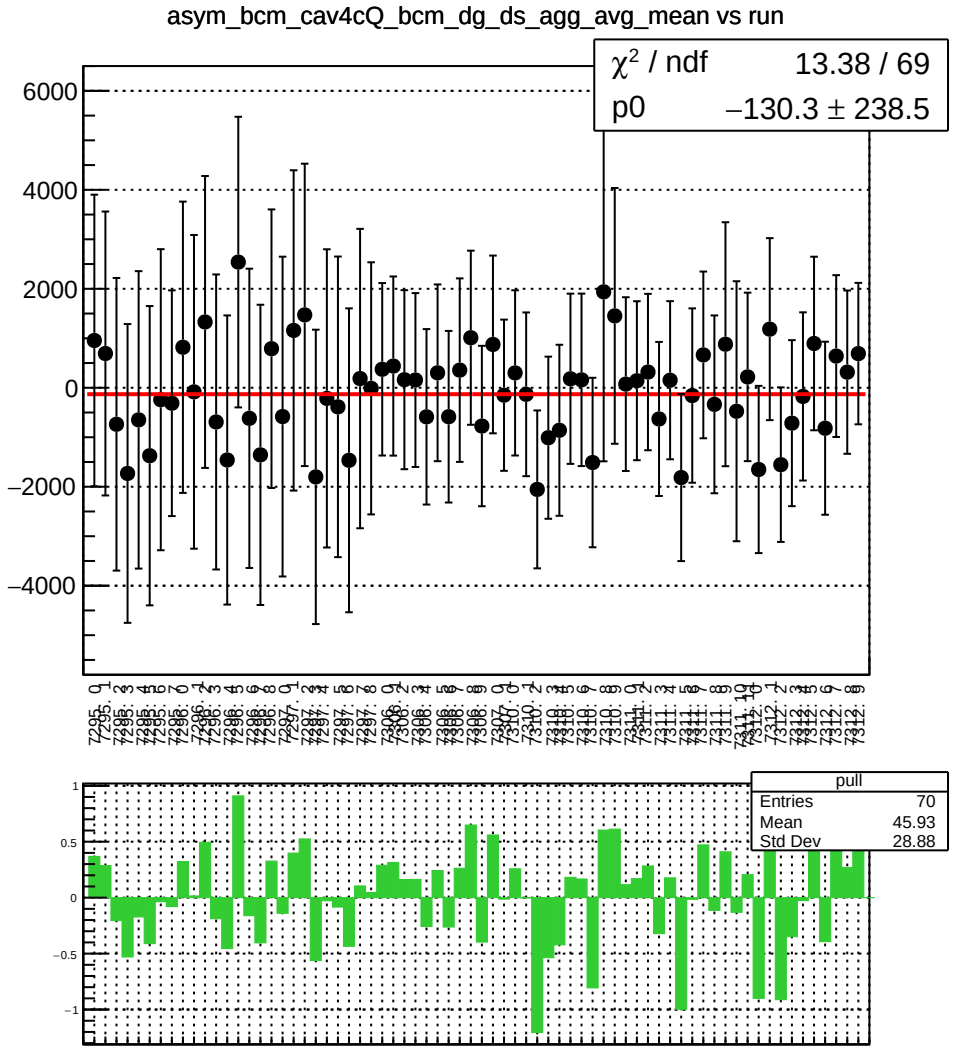

pull1D
Entries 70
Mean 0.01361
Std Dev 0.4393

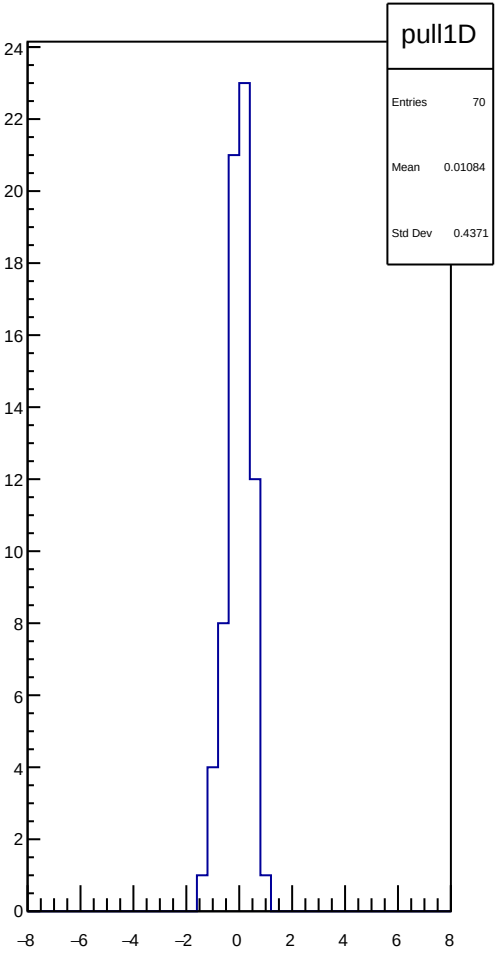

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 8.978e+04 / 69
p0 184.3 ± 0.1663
320
300
280
260
240
220
200
180
160
140

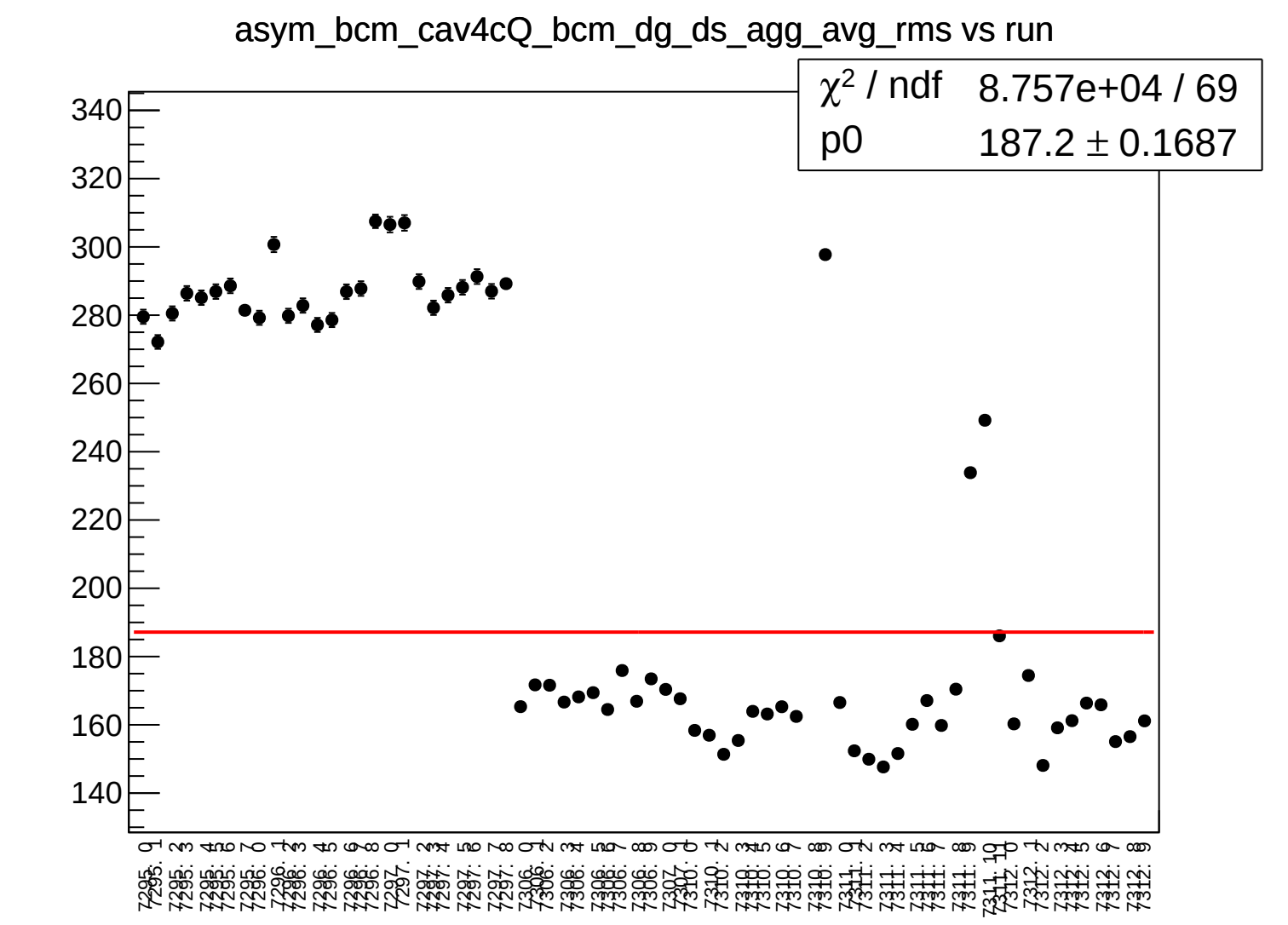

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 42.71 / 69
p0 −9.005 ± 41.2
1000
500
0
−500
−1000
pull
Entries 70
Mean −435.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

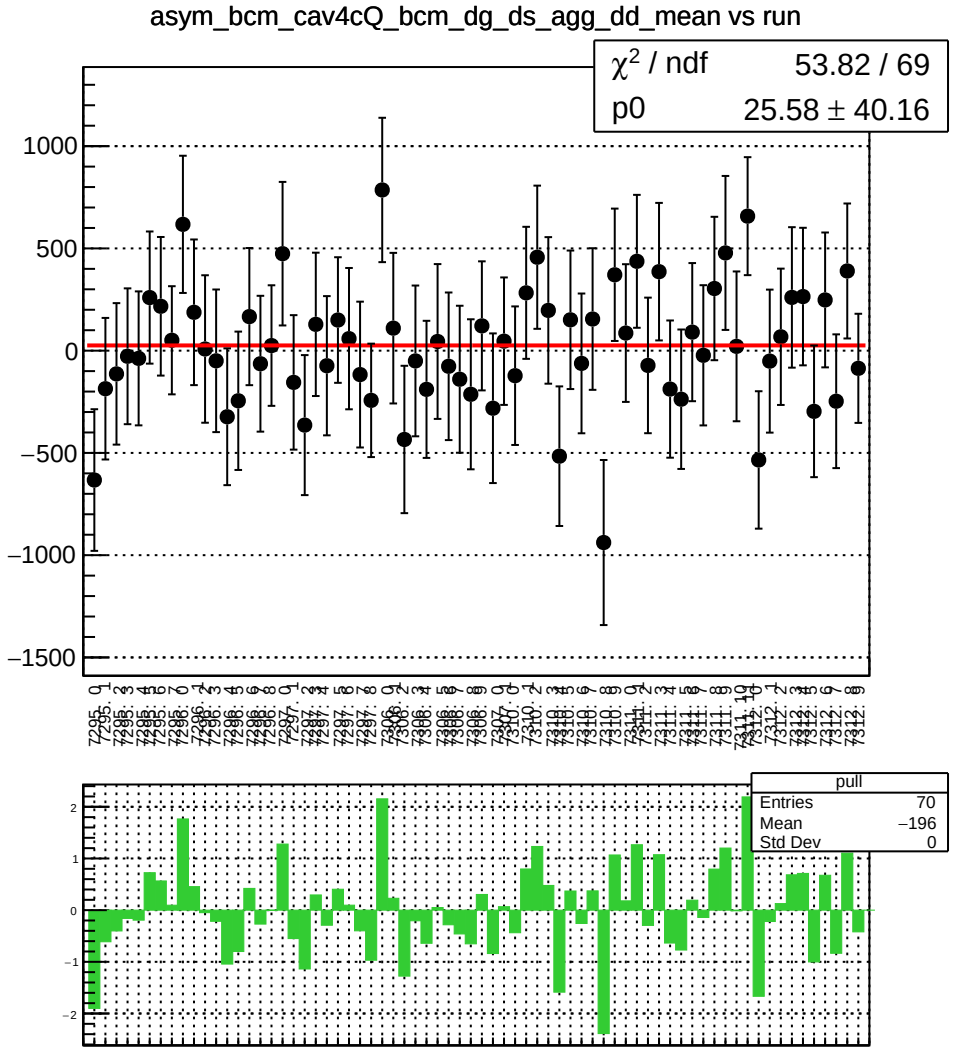

pull1D
Entries 70
Mean −0.007601
Std Dev 0.7811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

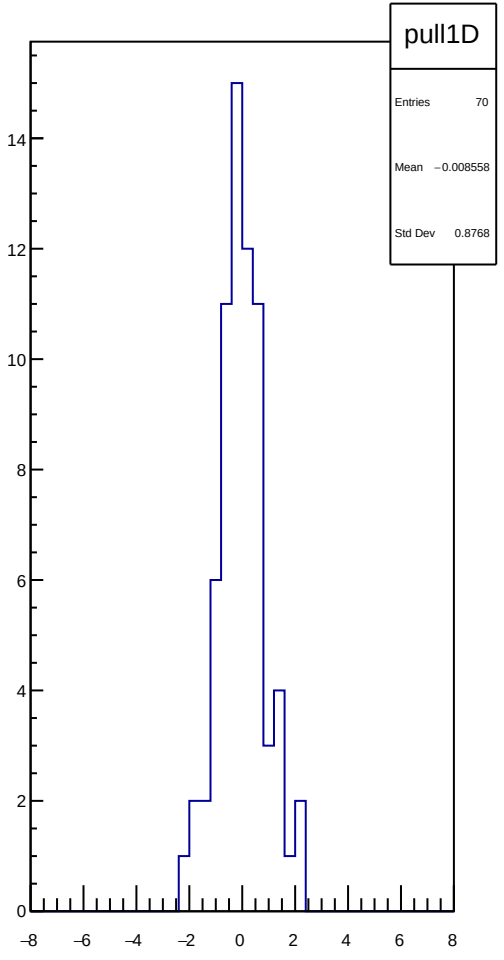

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2212 / 69
p0 33.43 ± 0.02913
38
37
36
35
34
33
32
31
30

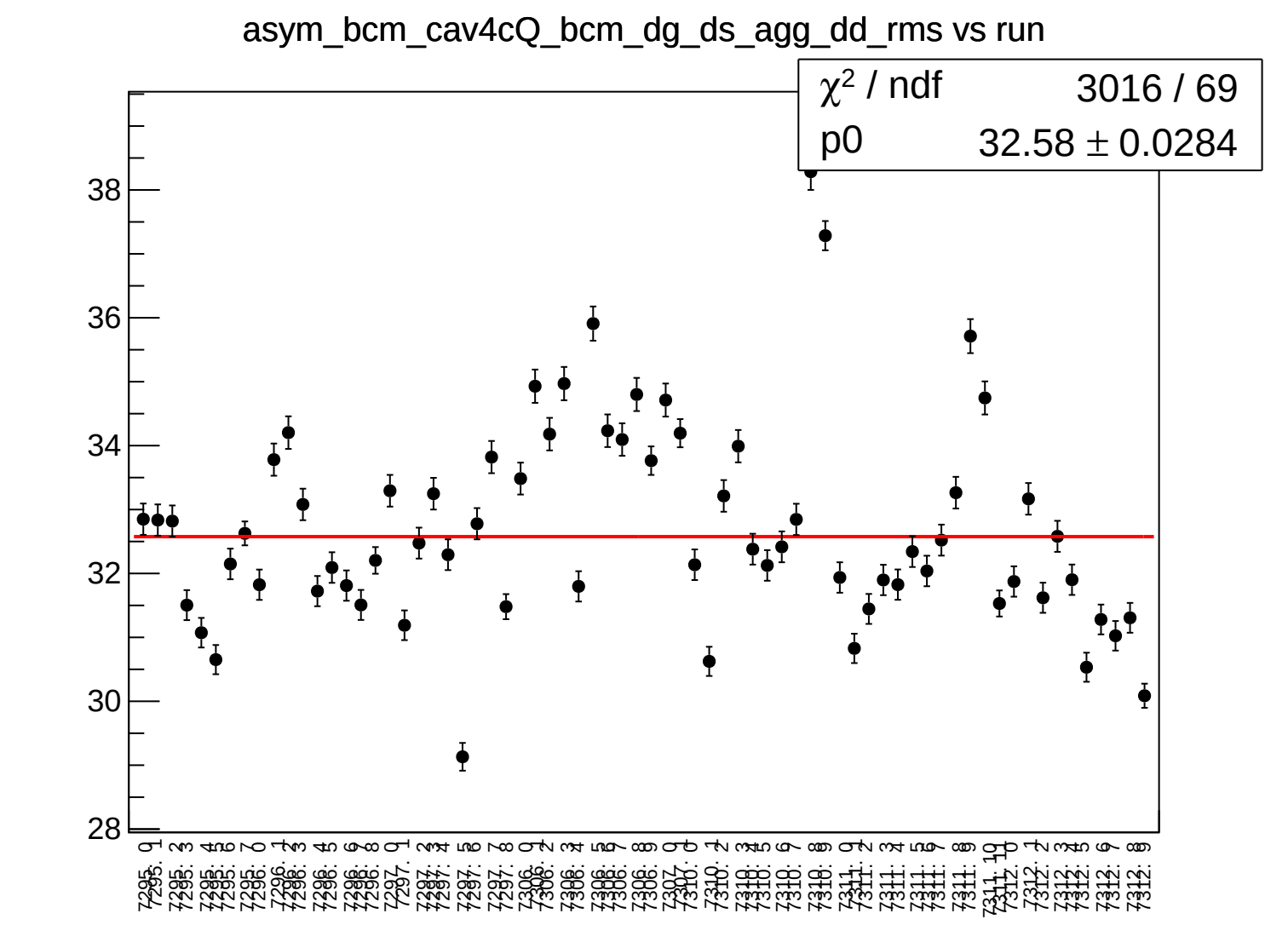

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 13.38 / 69
p0 −130.3 ± 238.5
pull
Entries 70
Mean 45.93
Std Dev 28.88

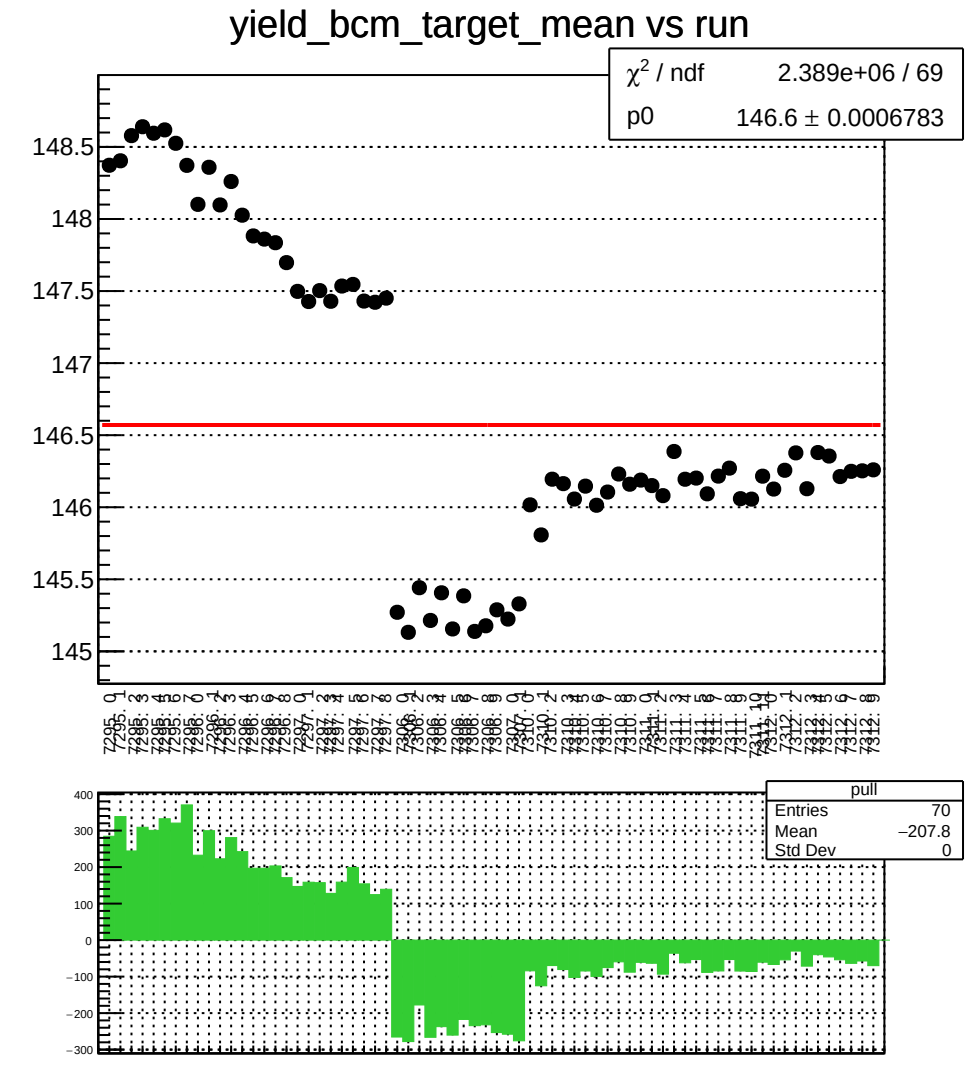

pull1D
Entries 70
Mean 0.01084
Std Dev 0.4371

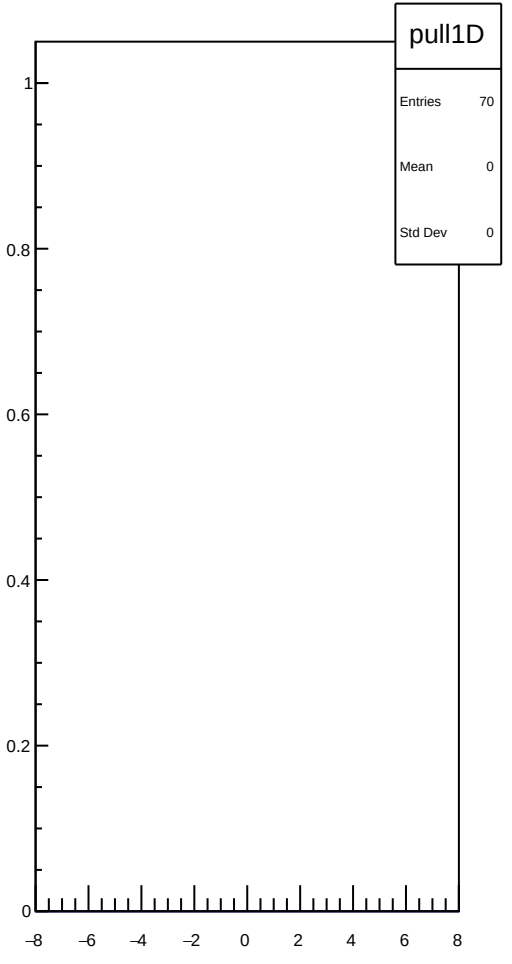

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 8.757e+04 / 69
p0 187.2 ± 0.1687
340
320
300
280
260
240
220
200
180
160
140

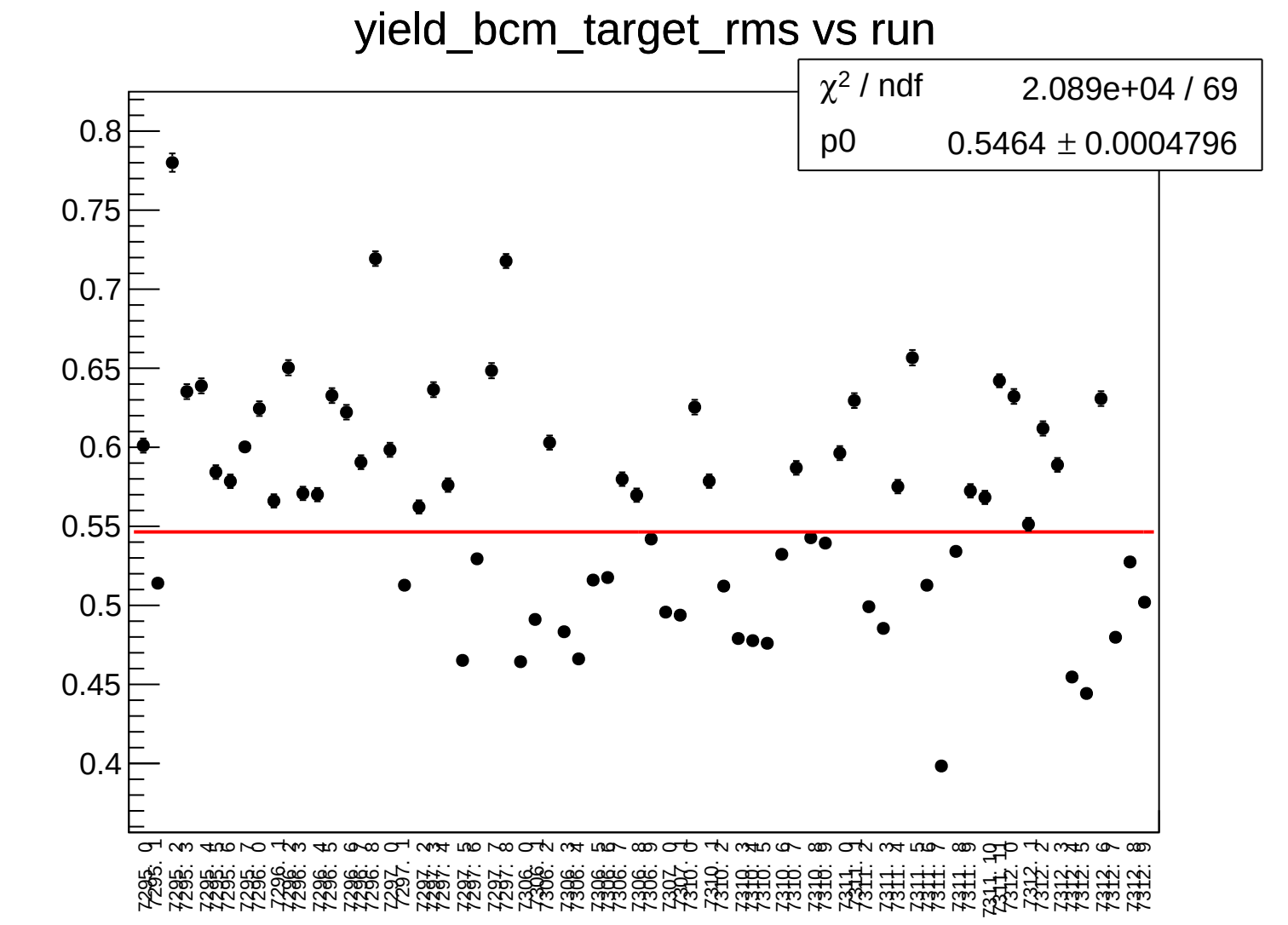

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.82 / 69
p0 25.58 ± 40.16
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean −196
Std Dev 0
2
1
0
−1
−2

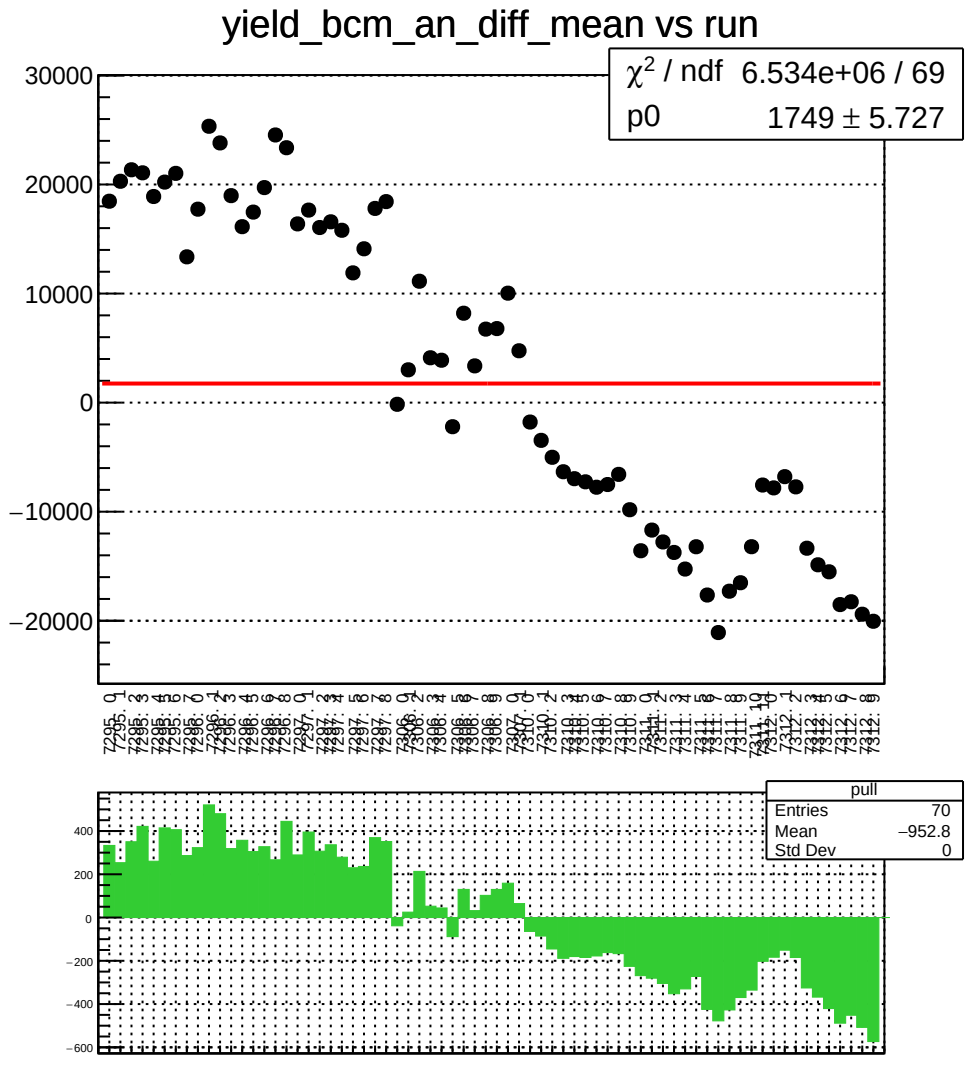

pull1D
Entries 70
Mean −0.008558
Std Dev 0.8768
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

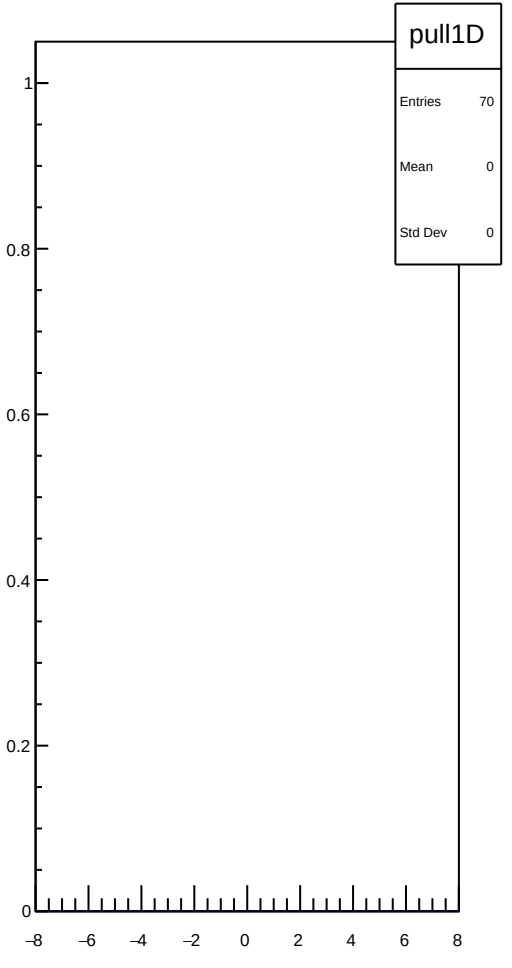

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3016 / 69
p0 32.58 ± 0.0284
38
36
34
32
30
28

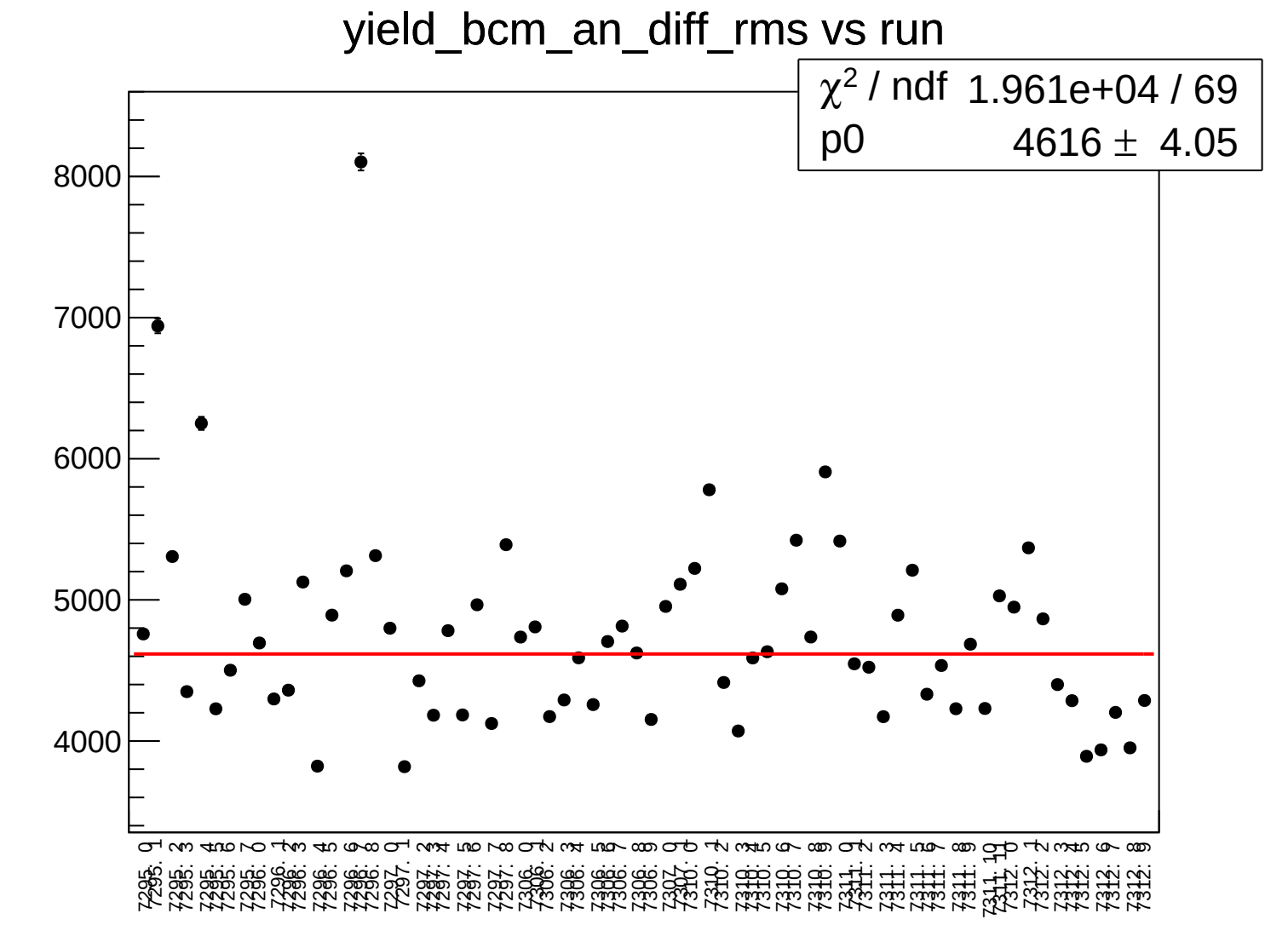

yield_bcm_target_mean vs run
χ² / ndf 2.389e+06 / 69
p0 146.6 ± 0.0006783
148.5
148
147.5
147
146.5
146
145.5
145
pull
Entries 70
Mean −207.8
Std Dev 0
400
300
200
100
0
−100
−200
−300

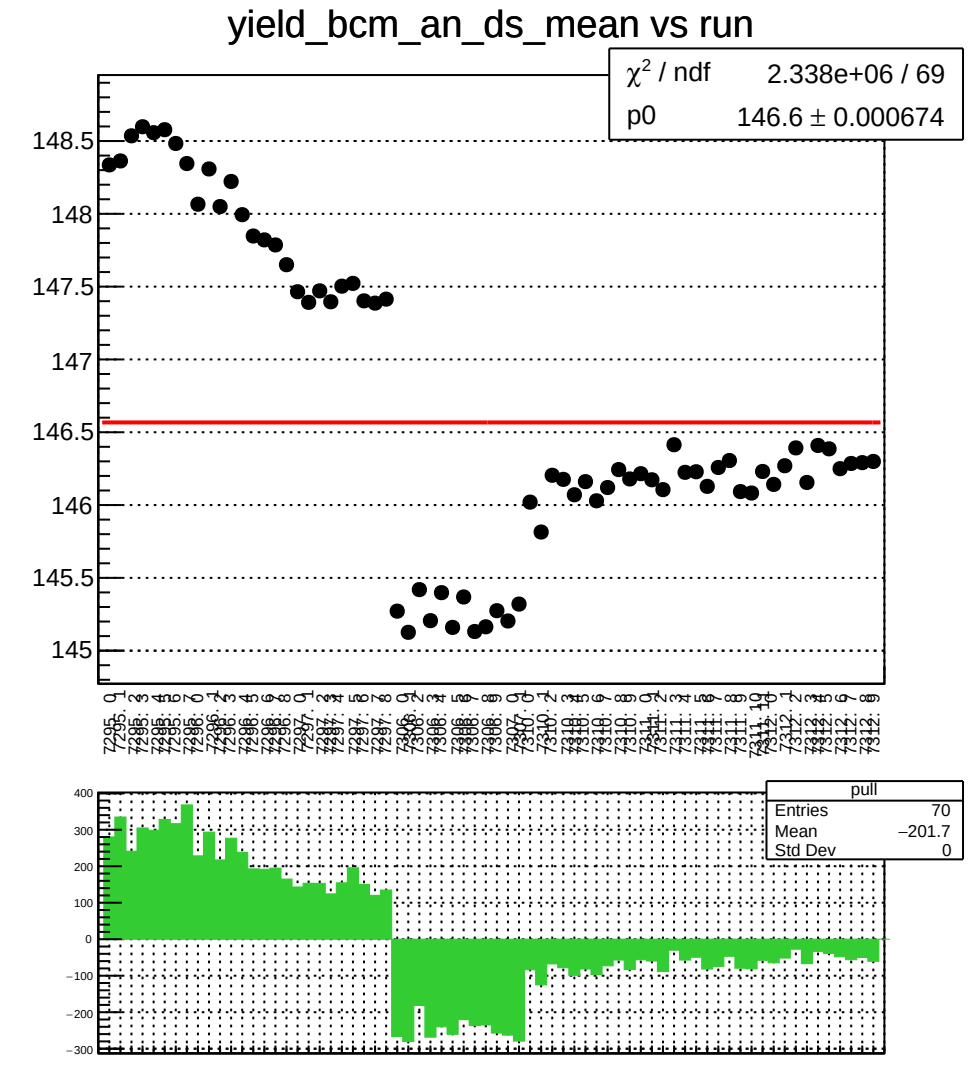

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

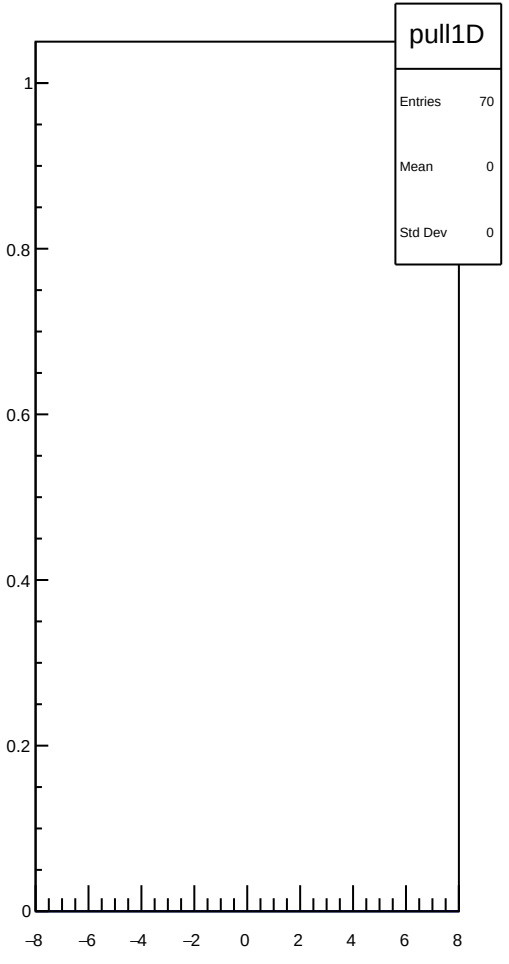

yield_bcm_target_rms vs run
χ² / ndf 2.089e+04 / 69
p0 0.5464 ± 0.0004796
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

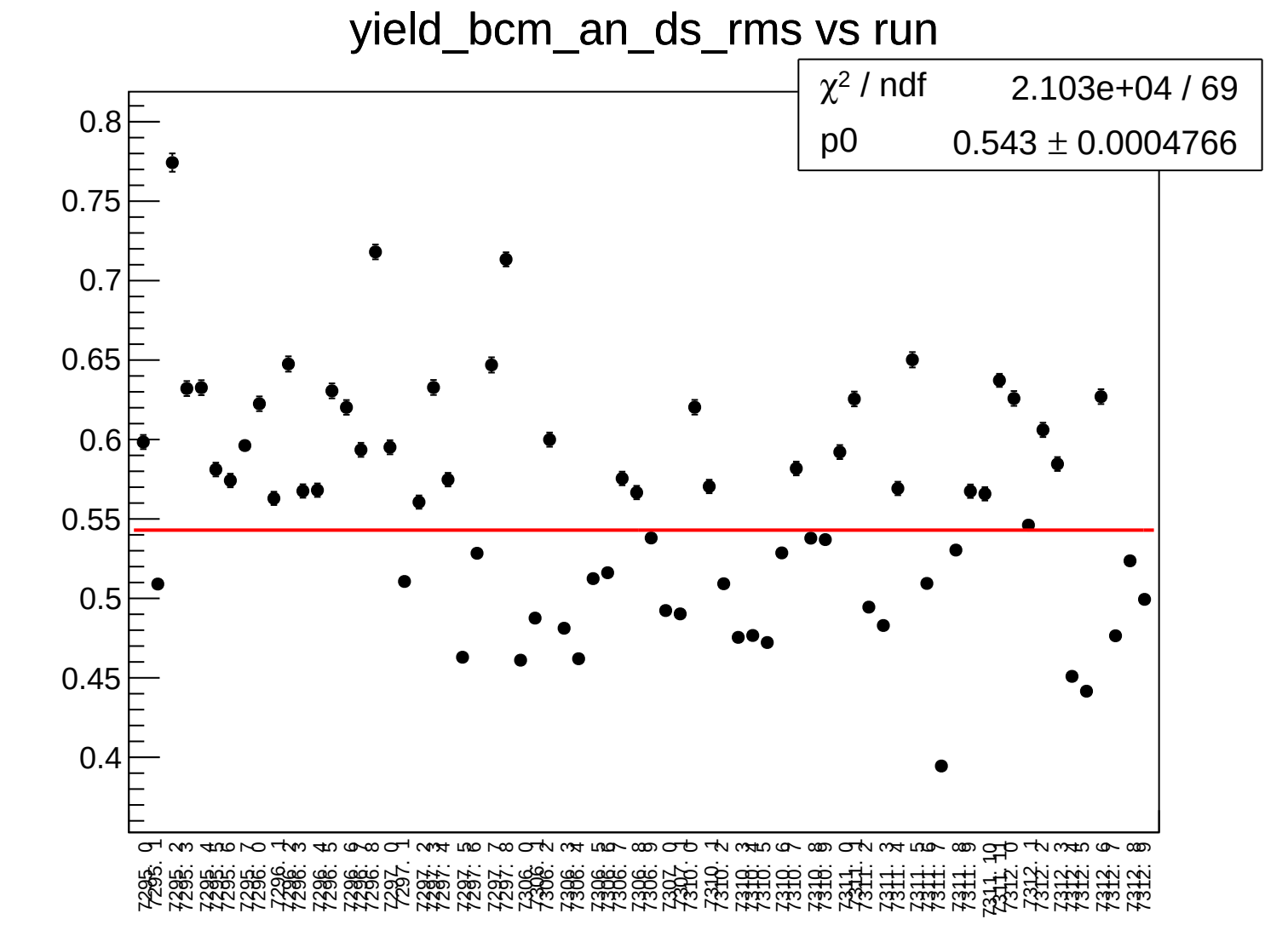

yield_bcm_an_diff_mean vs run
χ² / ndf 6.534e+06 / 69
p0 1749 ± 5.727
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −952.8
Std Dev 0
400
200
0
−200
−400
−600

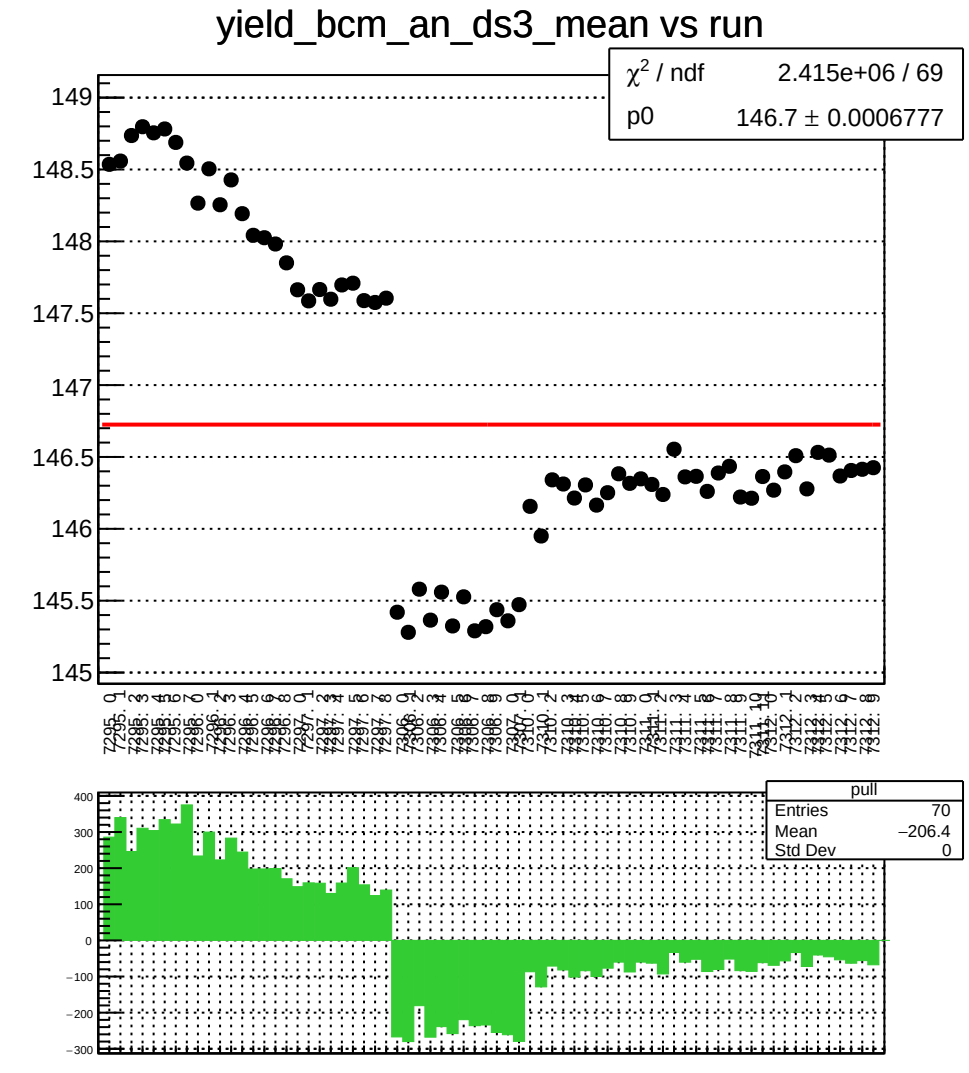

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

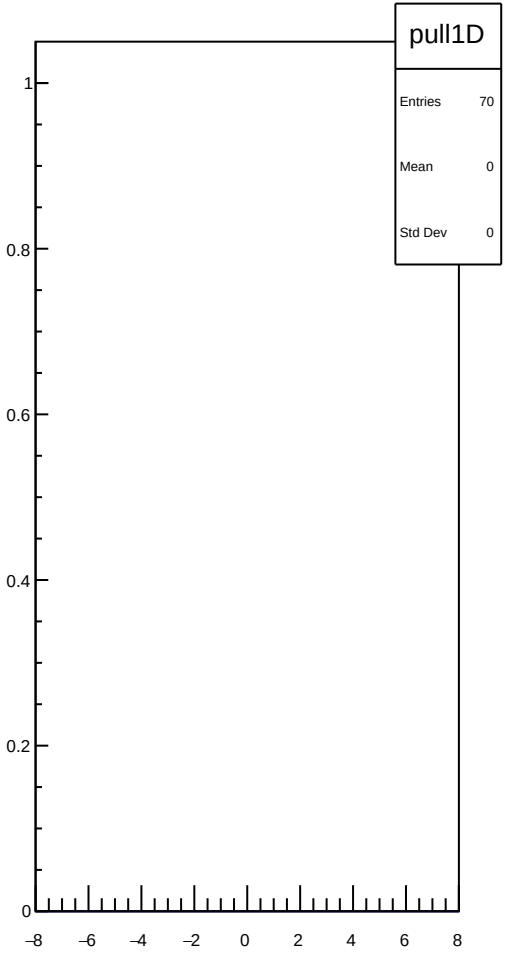

yield_bcm_an_diff_rms vs run
χ² / ndf 1.961e+04 / 69
p0 4616 ± 4.05
8000
7000
6000
5000
4000

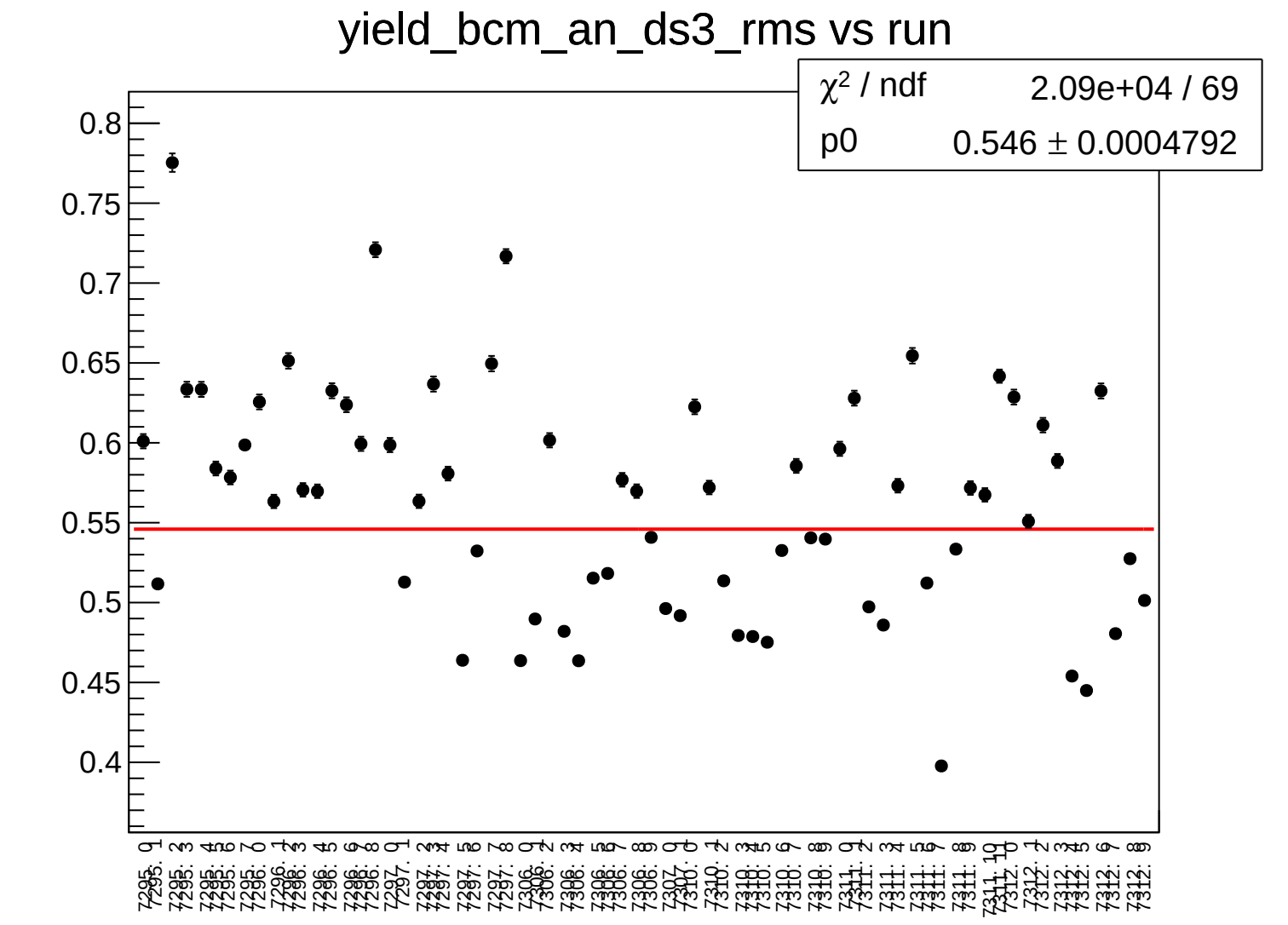

yield_bcm_an_ds_mean vs run
χ² / ndf 2.338e+06 / 69
p0 146.6 ± 0.000674
148.5
148
147.5
147
146.5
146
145.5
145
pull
Entries 70
Mean −201.7
Std Dev 0
400
300
200
100
0
−100
−200
−300

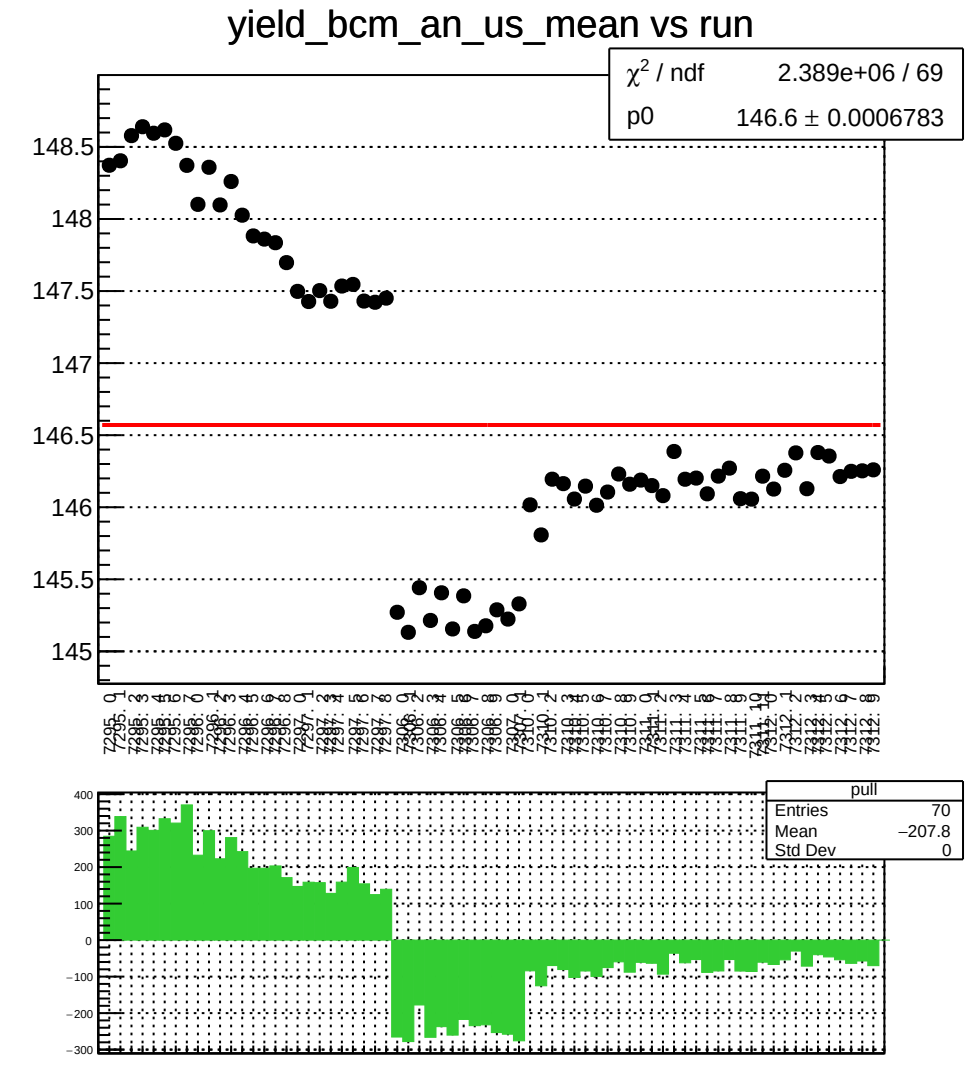

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

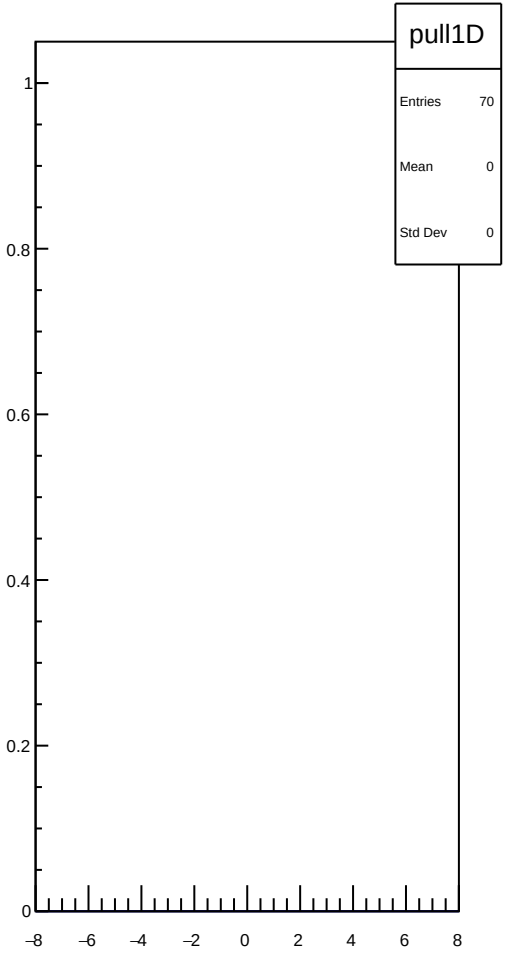

yield_bcm_an_ds_rms vs run
χ² / ndf 2.103e+04 / 69
p0 0.543 ± 0.0004766
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

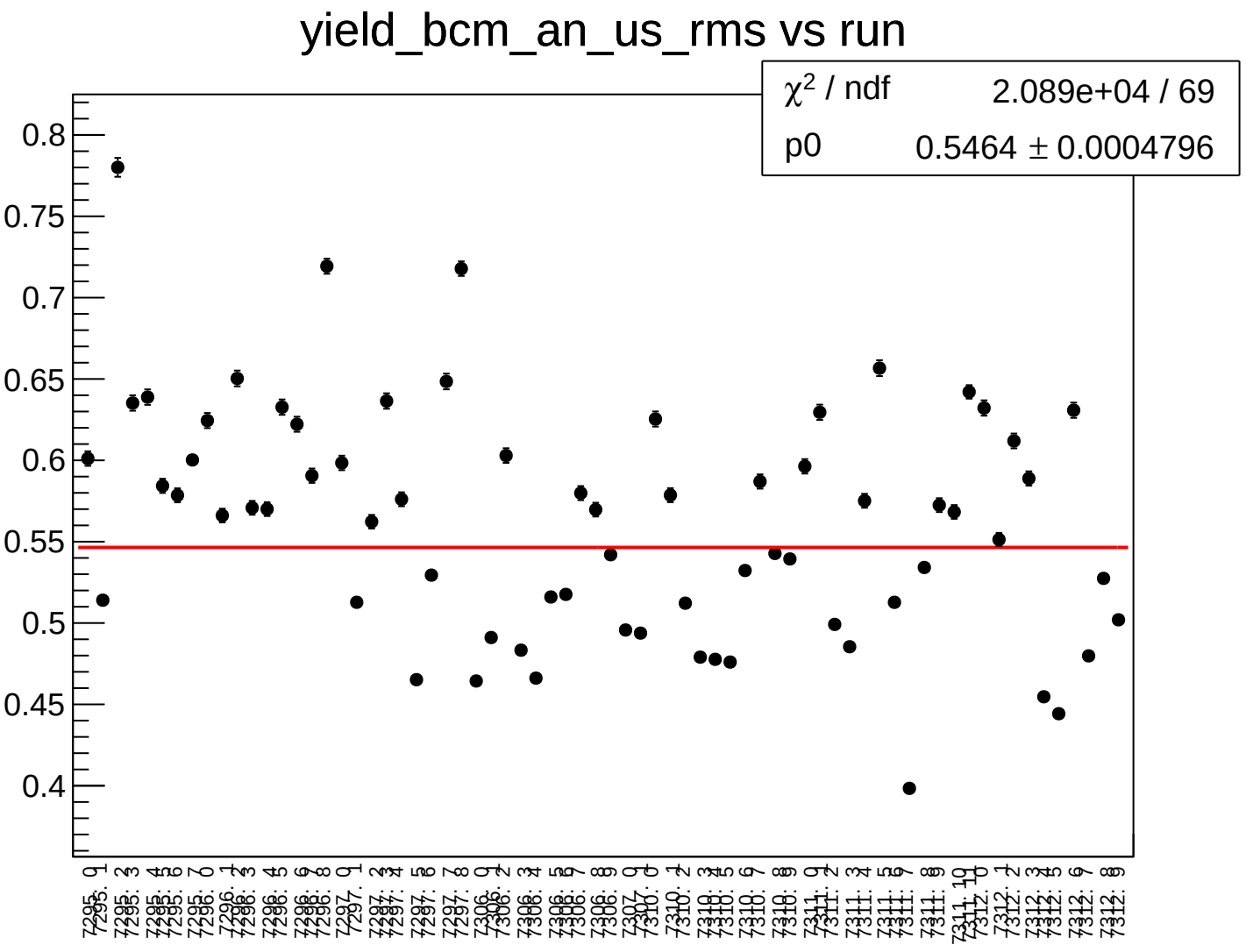

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.415e+06 / 69
p0 146.7 ± 0.0006777
149
148.5
148
147.5
147
146.5
146
145.5
145
pull
Entries 70
Mean −206.4
Std Dev 0
400
300
200
100
0
−100
−200
−300

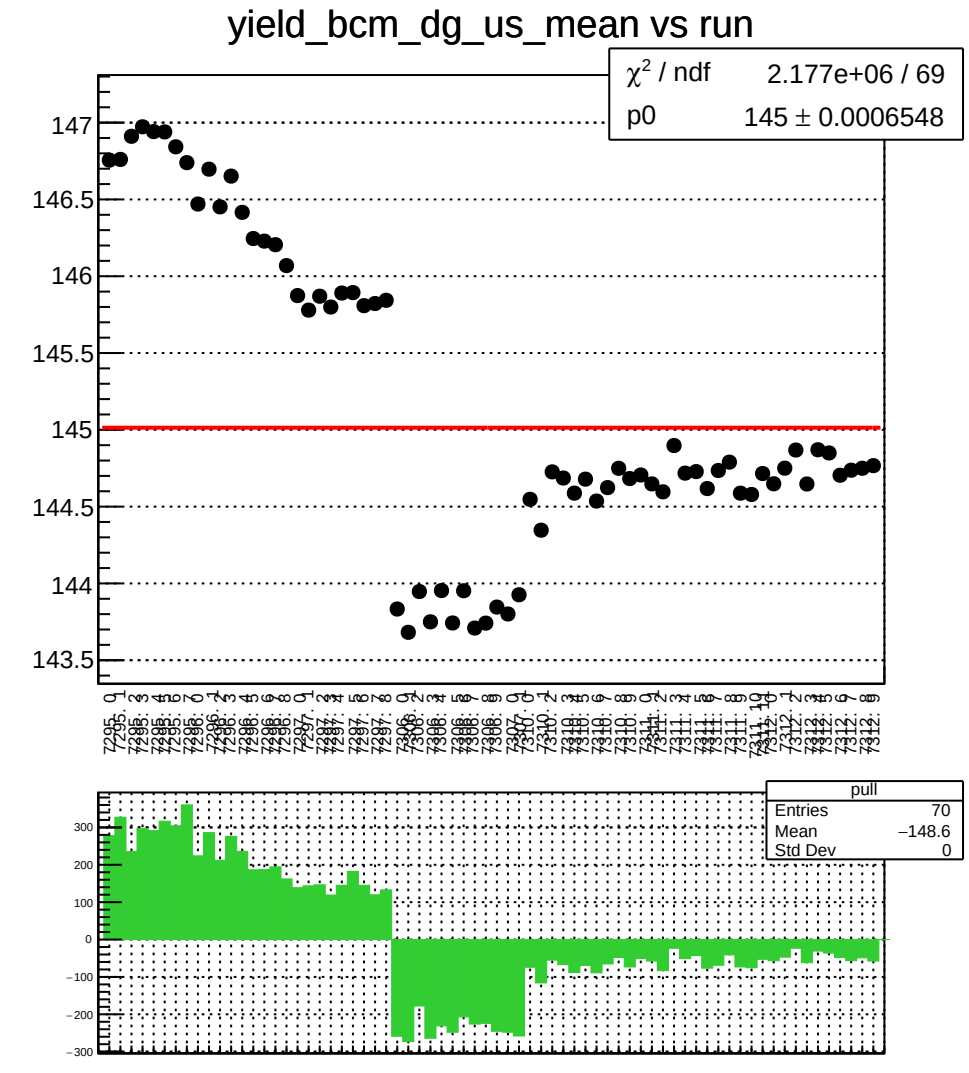

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

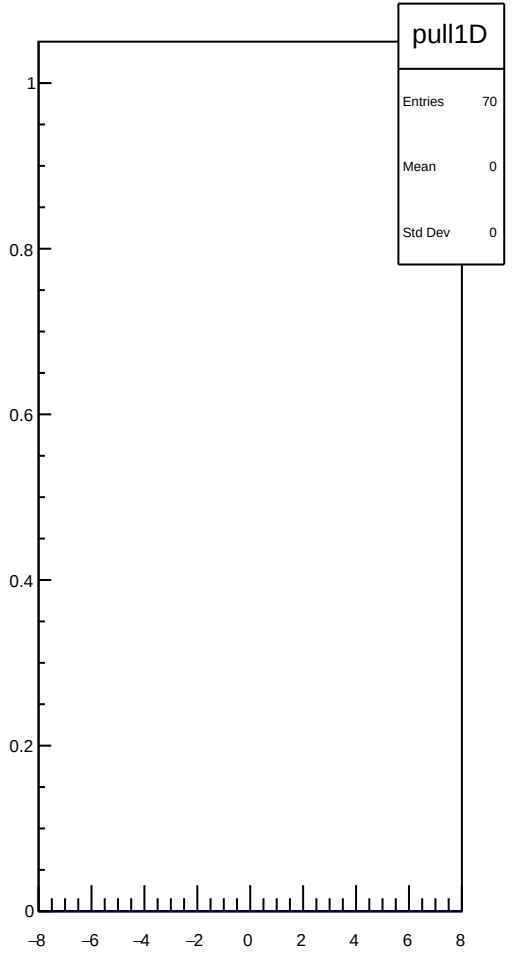

yield_bcm_an_ds3_rms vs run
χ² / ndf 2.09e+04 / 69
p0 0.546 ± 0.0004792
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4


yield_bcm_an_us_mean vs run
χ² / ndf 2.389e+06 / 69
p0 146.6 ± 0.0006783
148.5
148
147.5
147
146.5
146
145.5
145
pull
Entries 70
Mean −207.8
Std Dev 0
400
300
200
100
0
−100
−200
−300


pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_us_rms vs run
χ^2 / ndf 2.089e+04 / 69
p0 0.5464 ± 0.0004796
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4


yield_bcm_dg_us_mean vs run
χ² / ndf 2.177e+06 / 69
p0 145 ± 0.0006548
147
146.5
146
145.5
145
144.5
144
143.5
pull
Entries 70
Mean −148.6
Std Dev 0
300
200
100
0
−100
−200
−300


pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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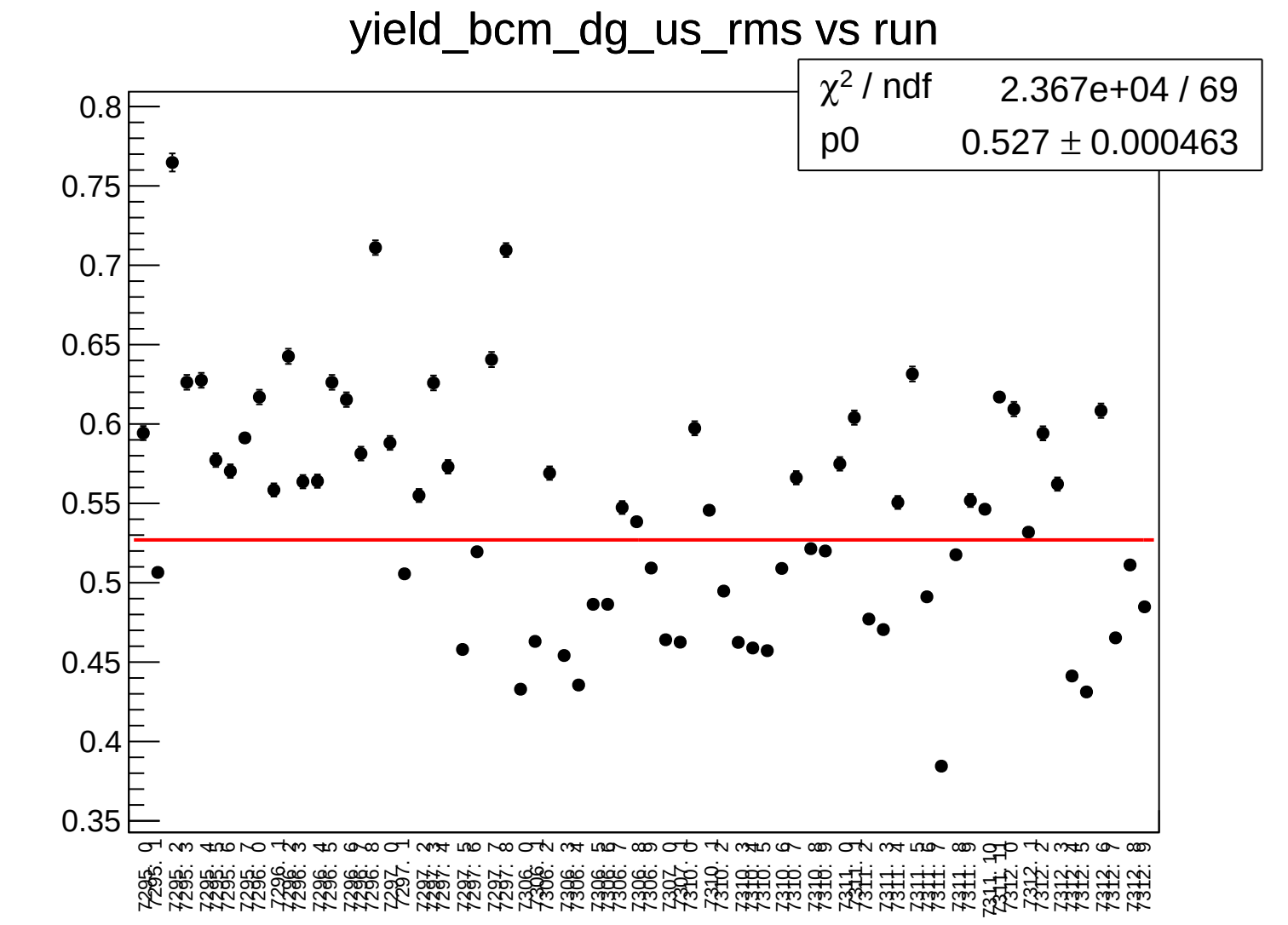
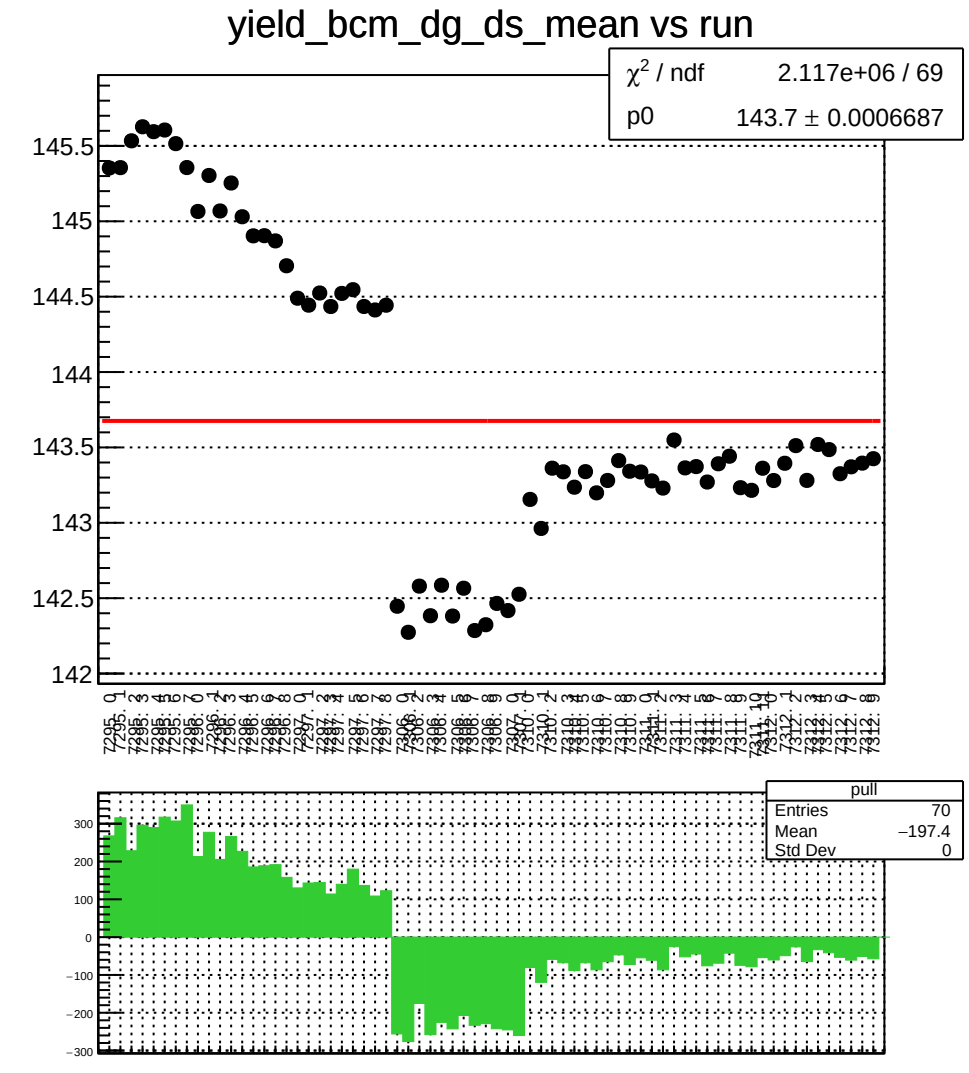
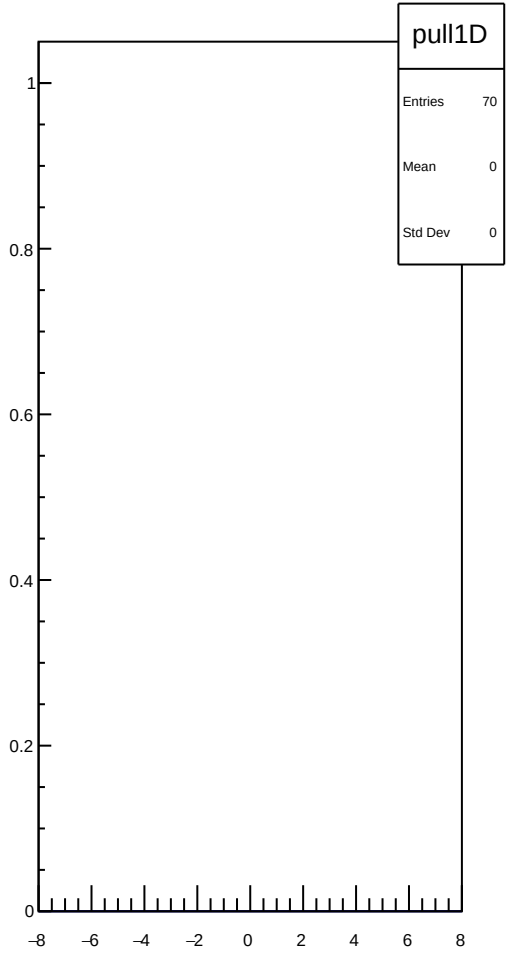
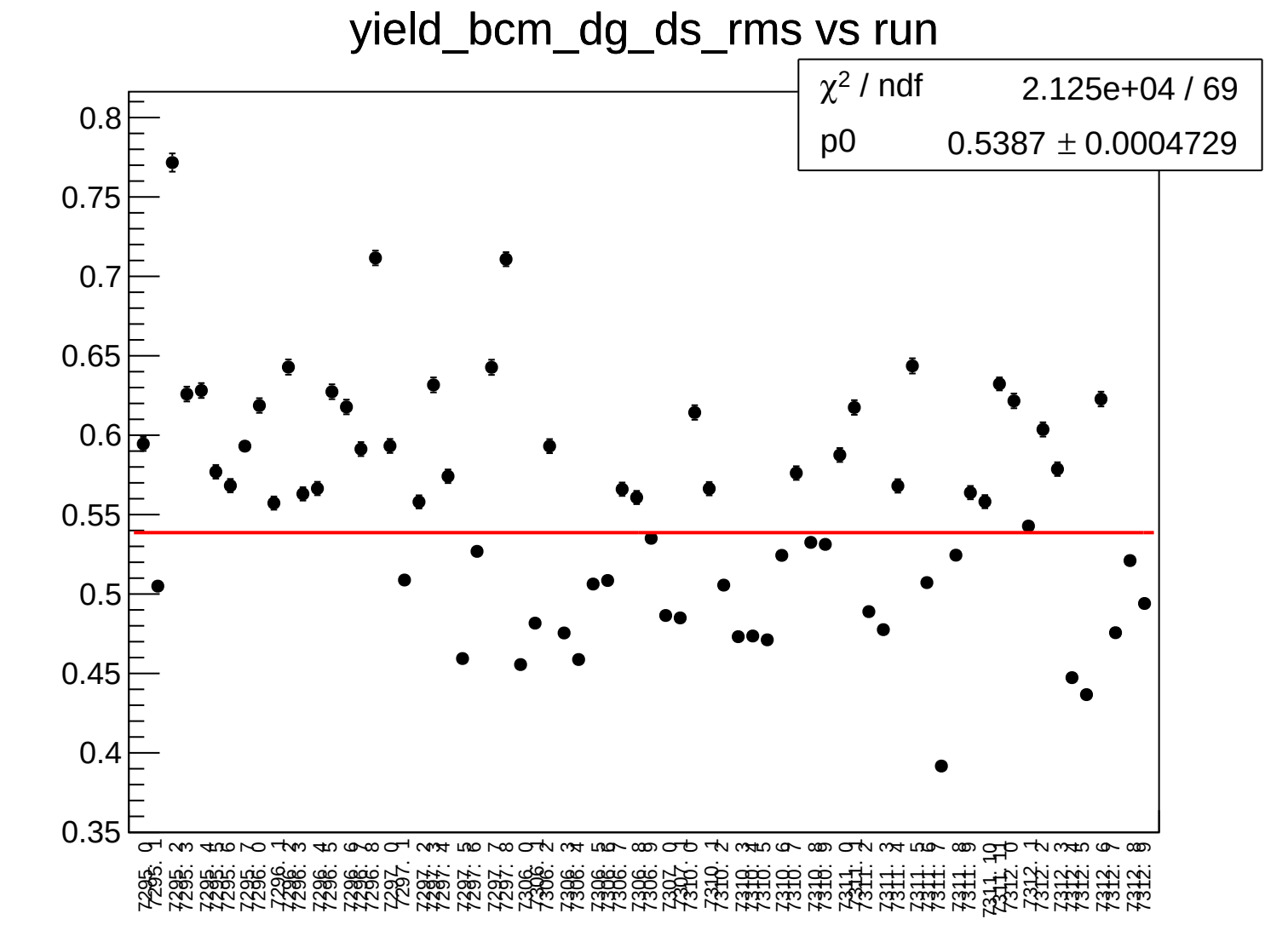
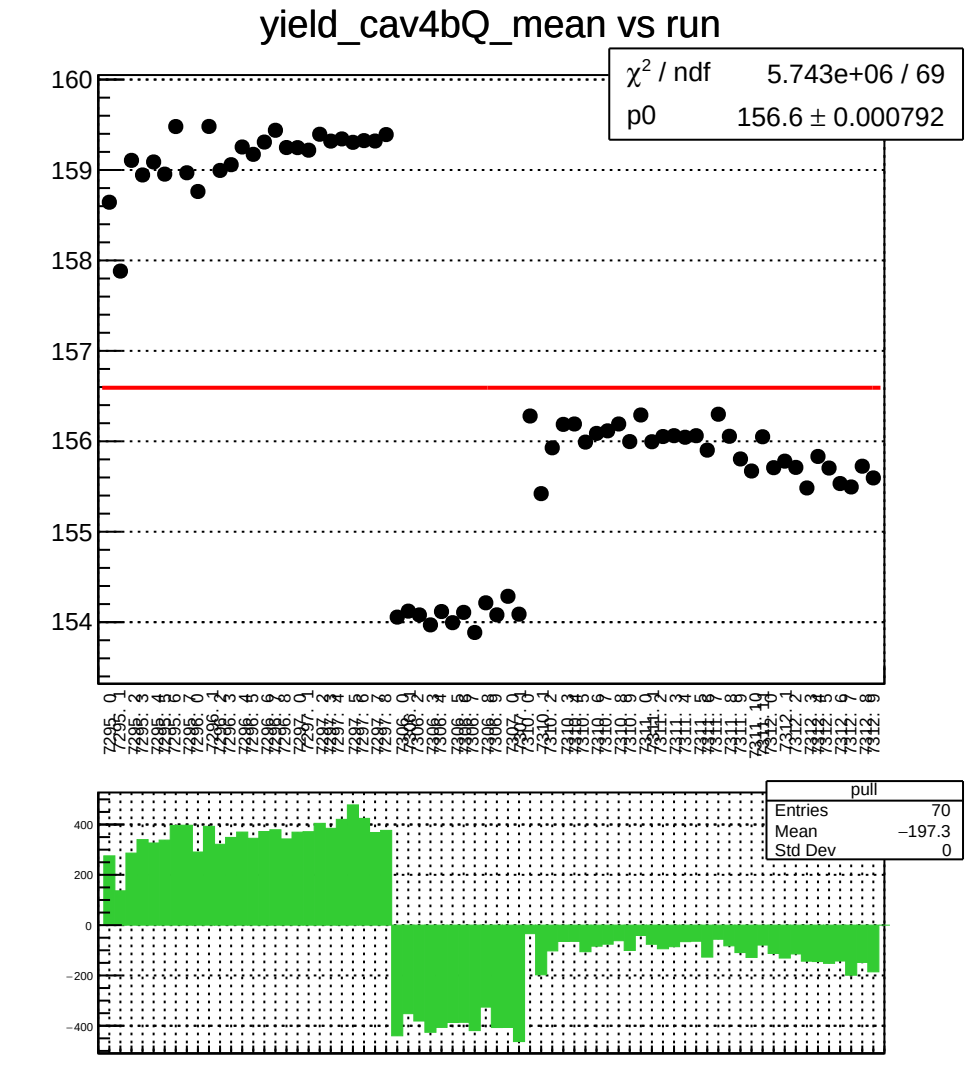
0
2
4
6
8

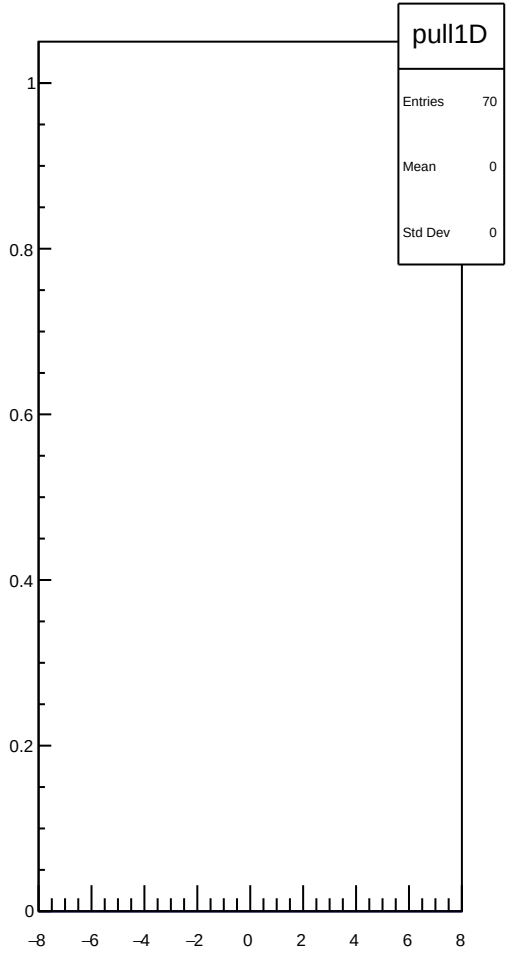

yield_bcm_dg_us_rms vs run
χ² / ndf 2.367e+04 / 69
p0 0.527 ± 0.000463
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35

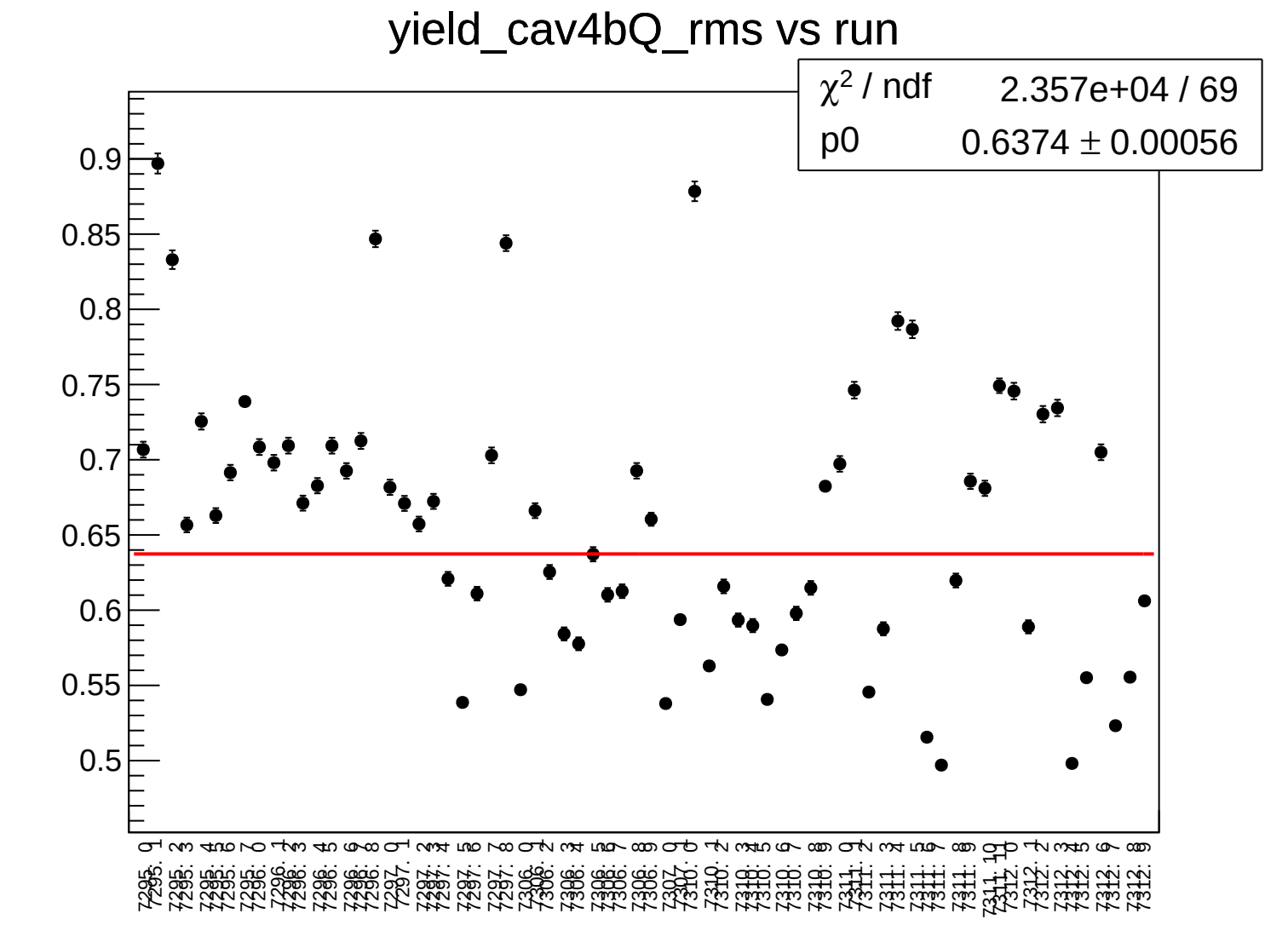

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.117e+06 / 69
p0 143.7 ± 0.0006687
145.5
145
144.5
144
143.5
143
142.5
142
pull
Entries 70
Mean −197.4
Std Dev 0
300
200
100
0
−100
−200
−300

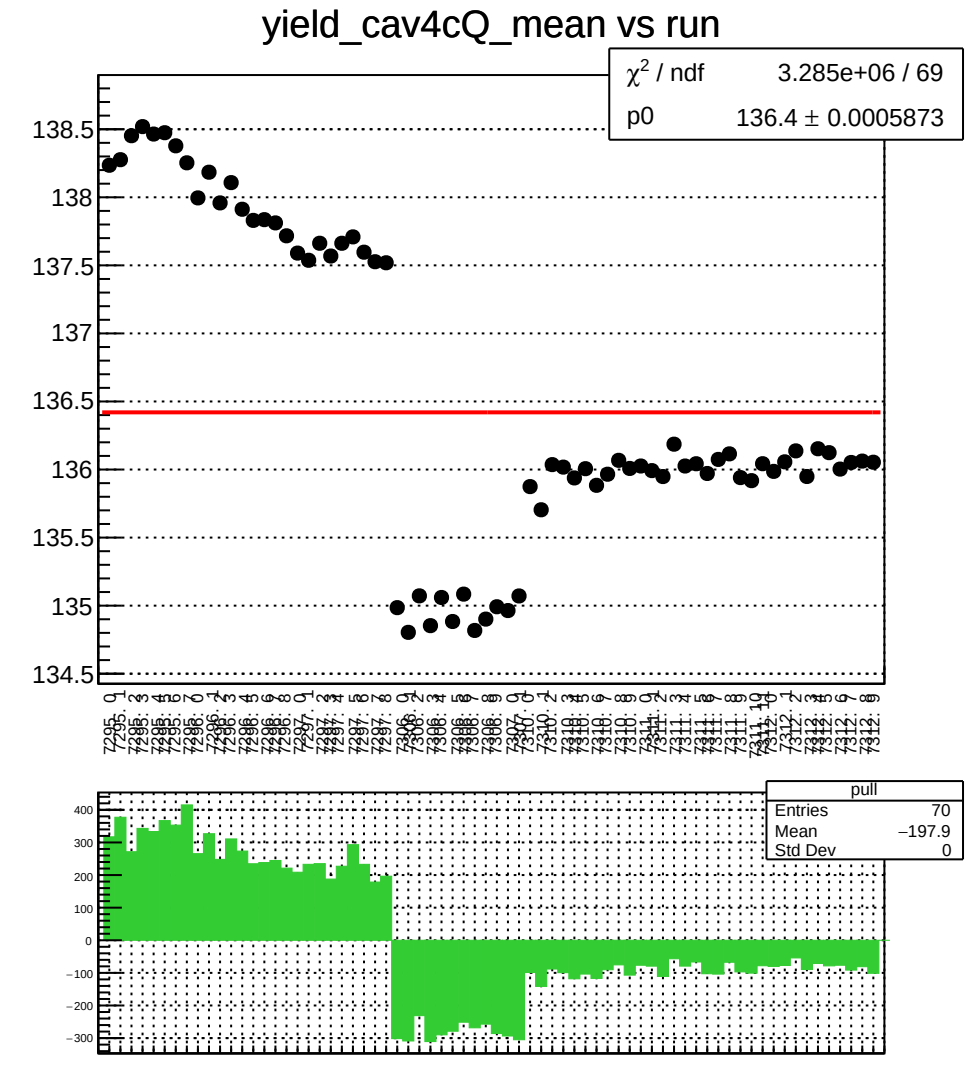

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

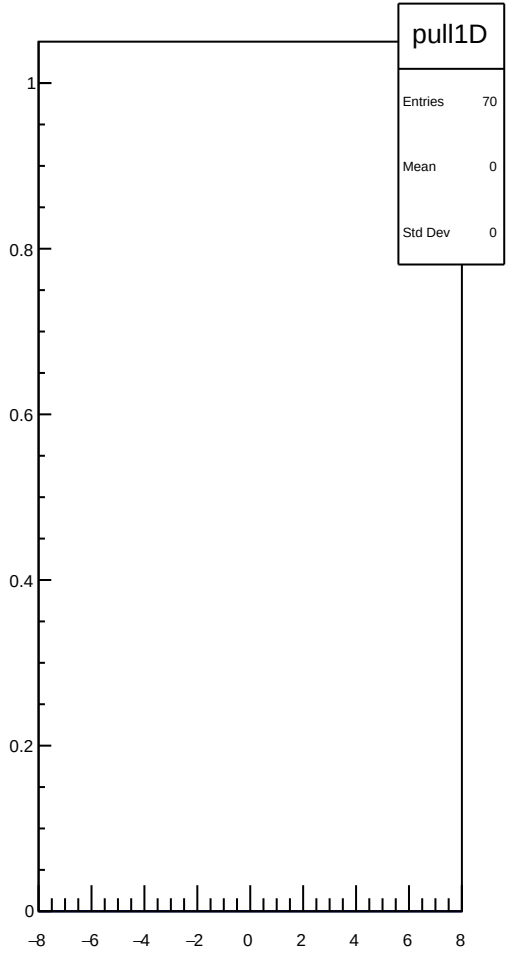

yield_bcm_dg_ds_rms vs run
χ² / ndf 2.125e+04 / 69
p0 0.5387 ± 0.0004729
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35

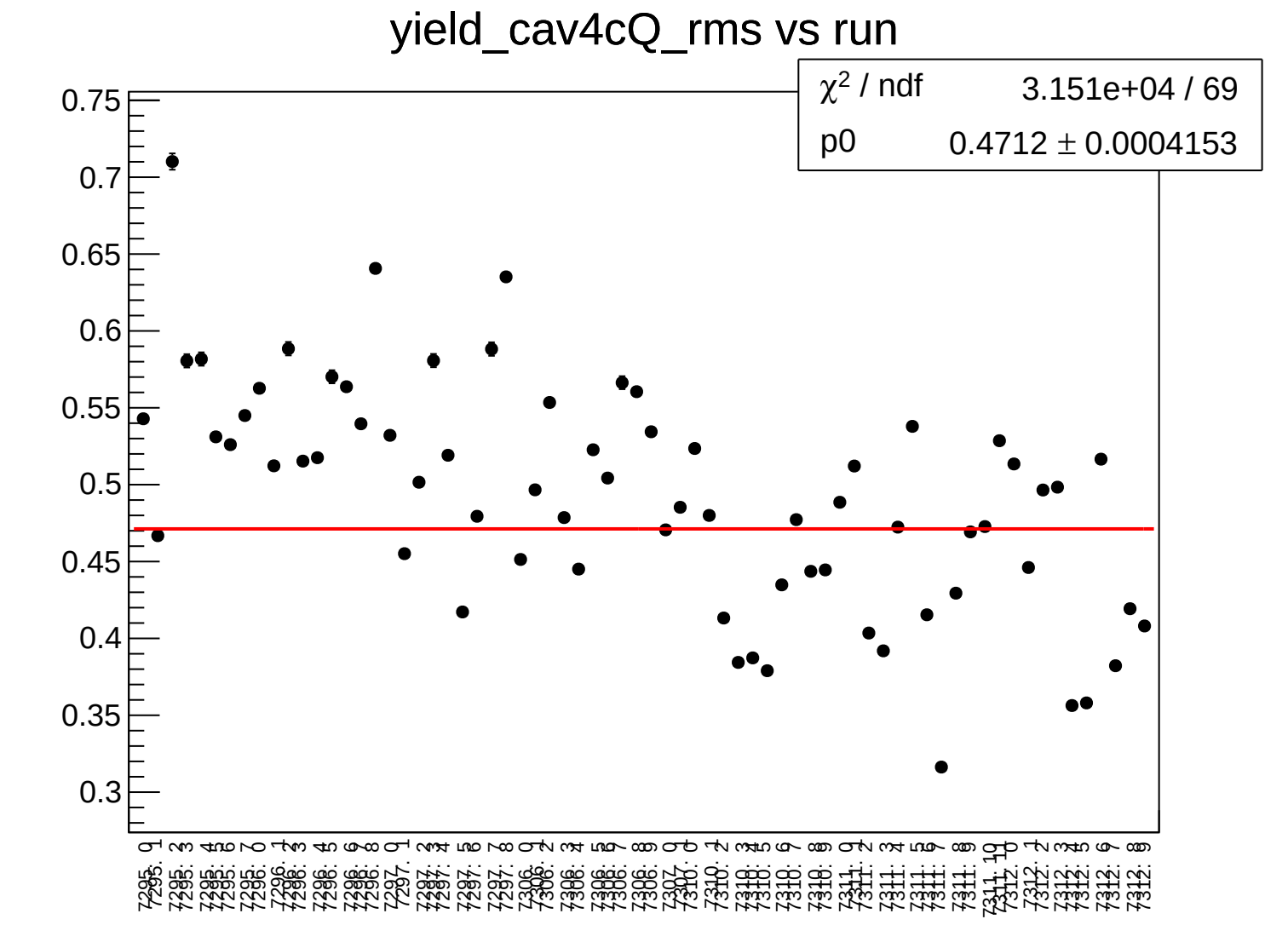

yield_cav4bQ_mean vs run
χ² / ndf 5.743e+06 / 69
p0 156.6 ± 0.000792
160
159
158
157
156
155
154
pull
Entries 70
Mean −197.3
Std Dev 0
400
200
0
−200
−400

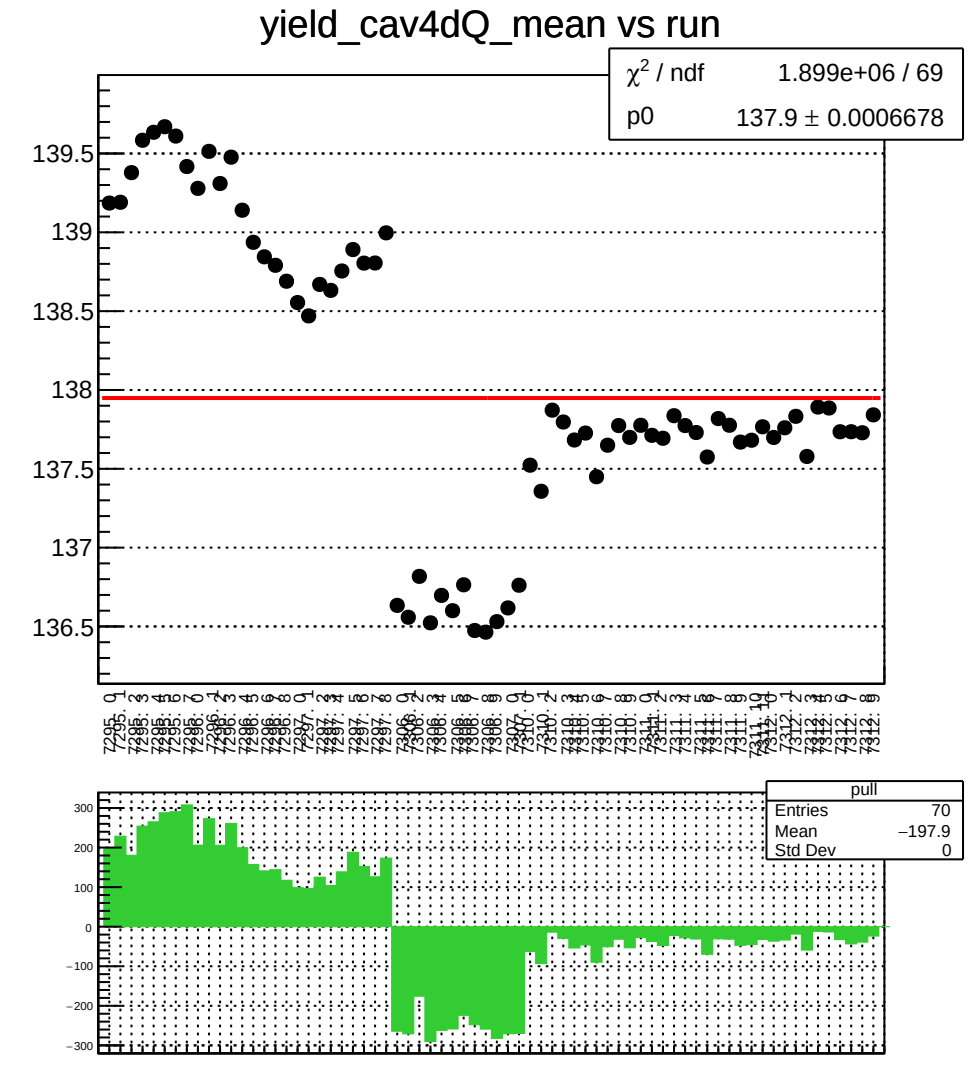

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

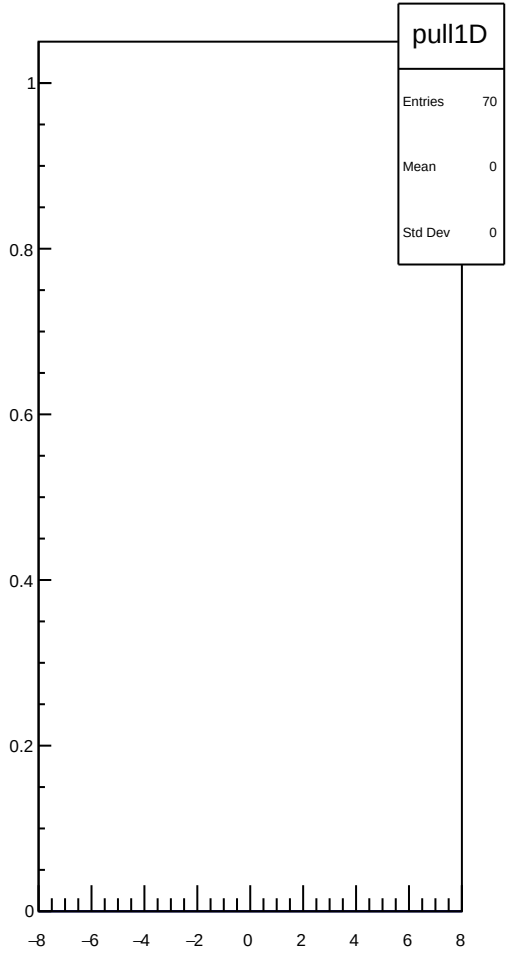

yield_cav4bQ_rms vs run
χ² / ndf 2.357e+04 / 69
p0 0.6374 ± 0.00056
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5

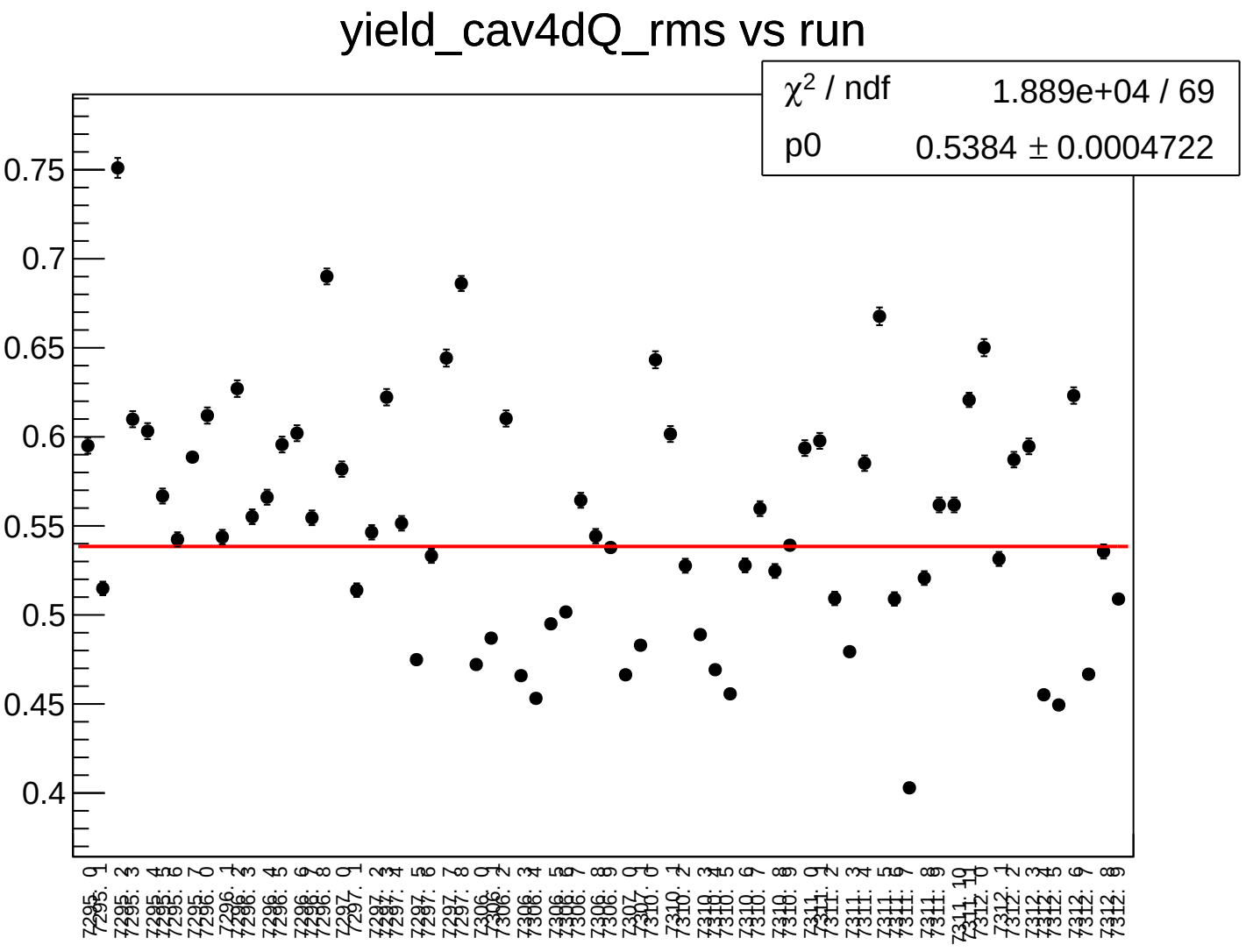

yield_cav4cQ_mean vs run
χ² / ndf 3.285e+06 / 69
p0 136.4 ± 0.0005873
138.5
138
137.5
137
136.5
136
135.5
135
134.5
pull
Entries 70
Mean −197.9
Std Dev 0
400
300
200
100
0
−100
−200
−300

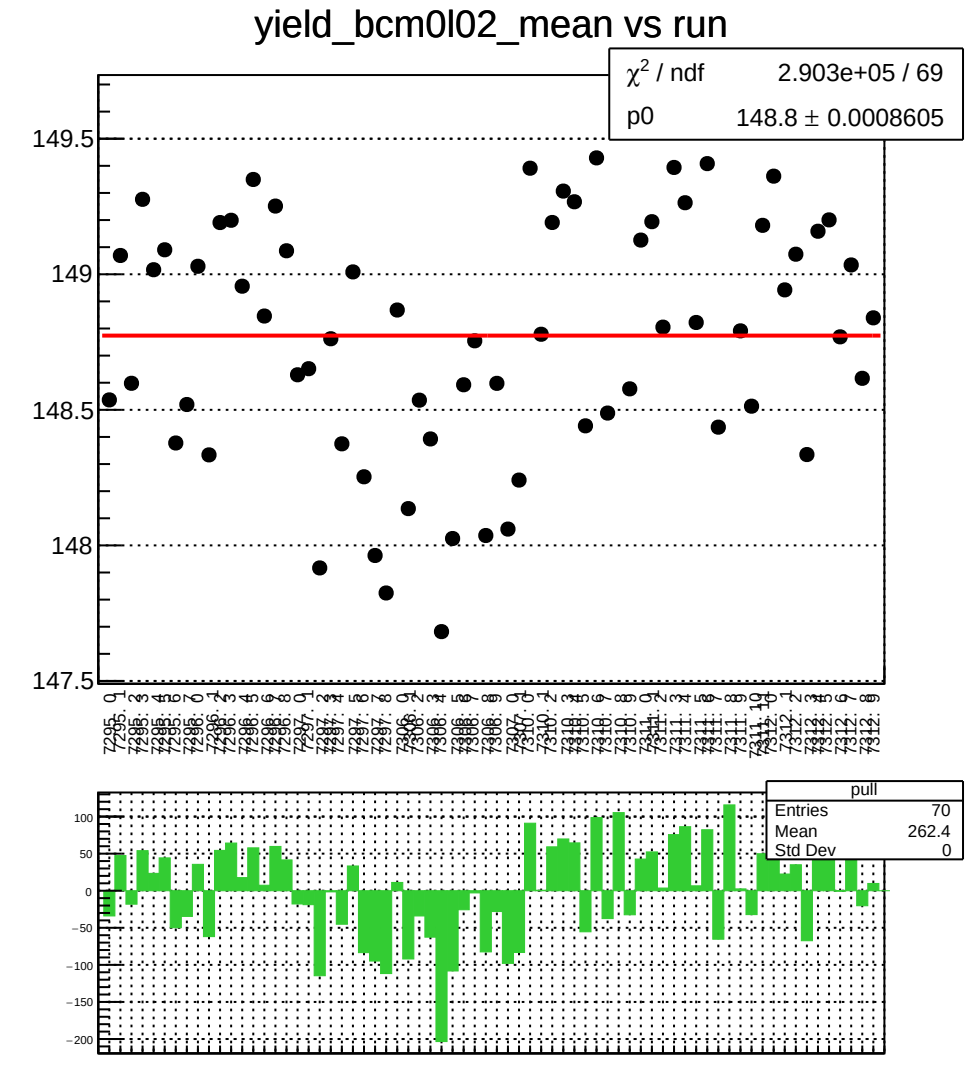

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

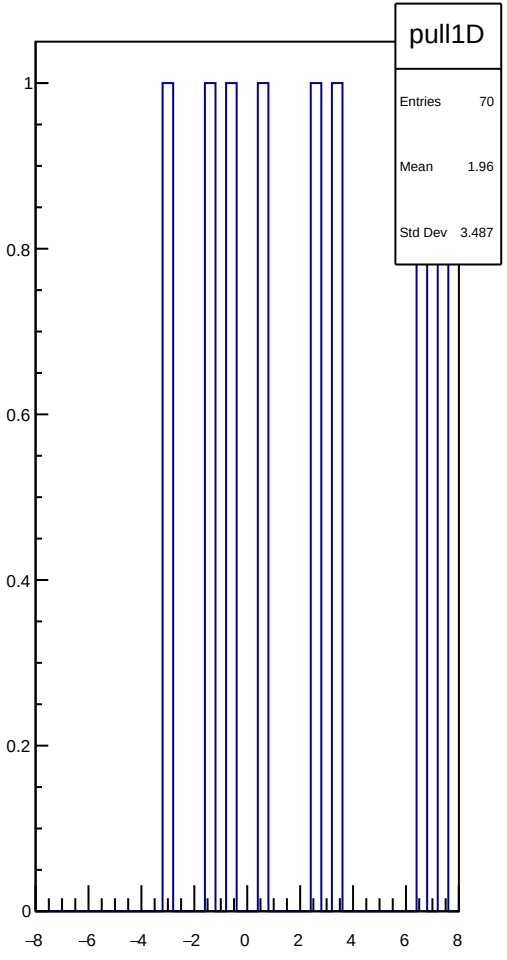

yield_cav4cQ_rms vs run
χ² / ndf 3.151e+04 / 69
p0 0.4712 ± 0.0004153
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3

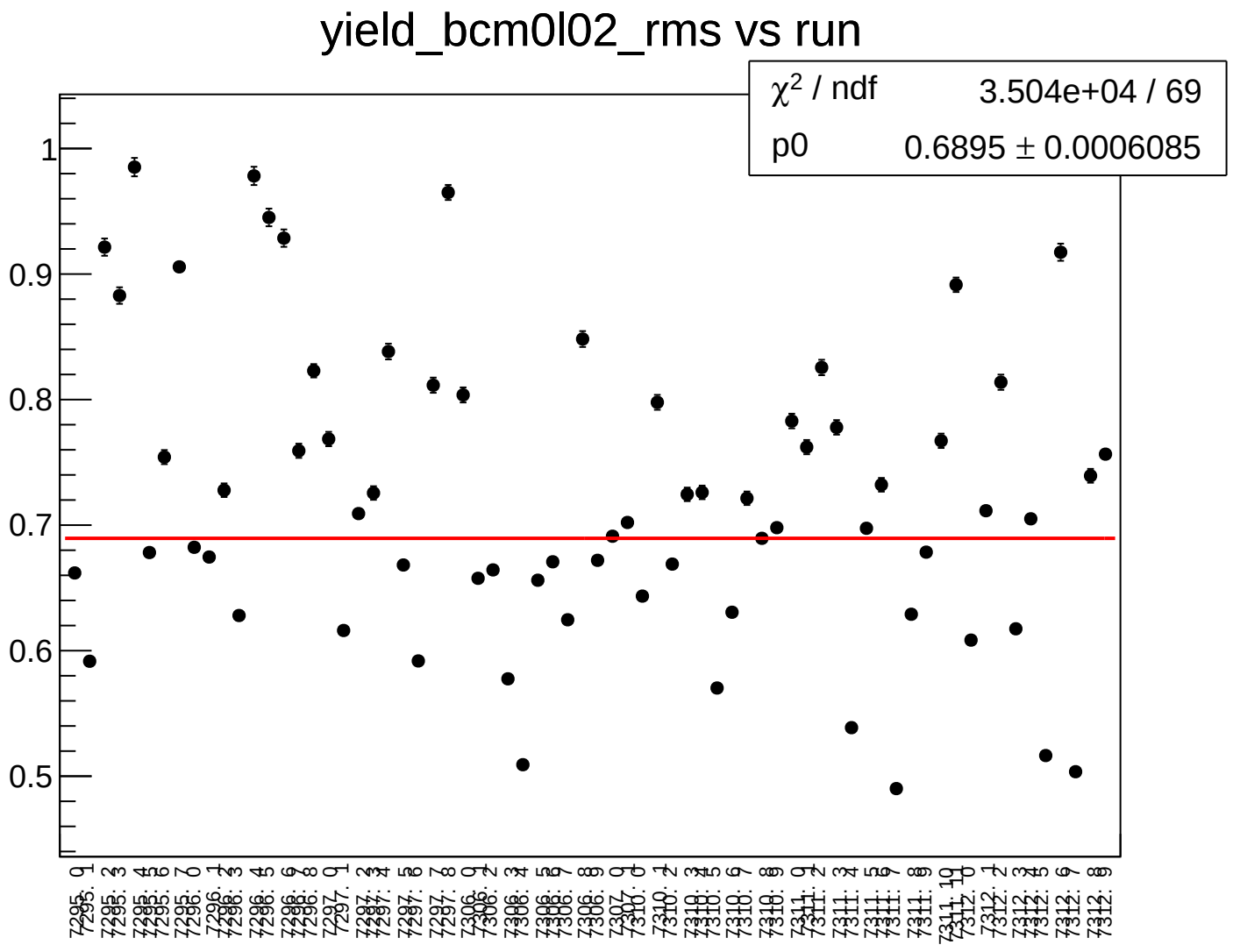

yield_cav4dQ_mean vs run
χ² / ndf 1.899e+06 / 69
p0 137.9 ± 0.0006678
139.5
139
138.5
138
137.5
137
136.5
pull
Entries 70
Mean −197.9
Std Dev 0
300
200
100
0
−100
−200
−300

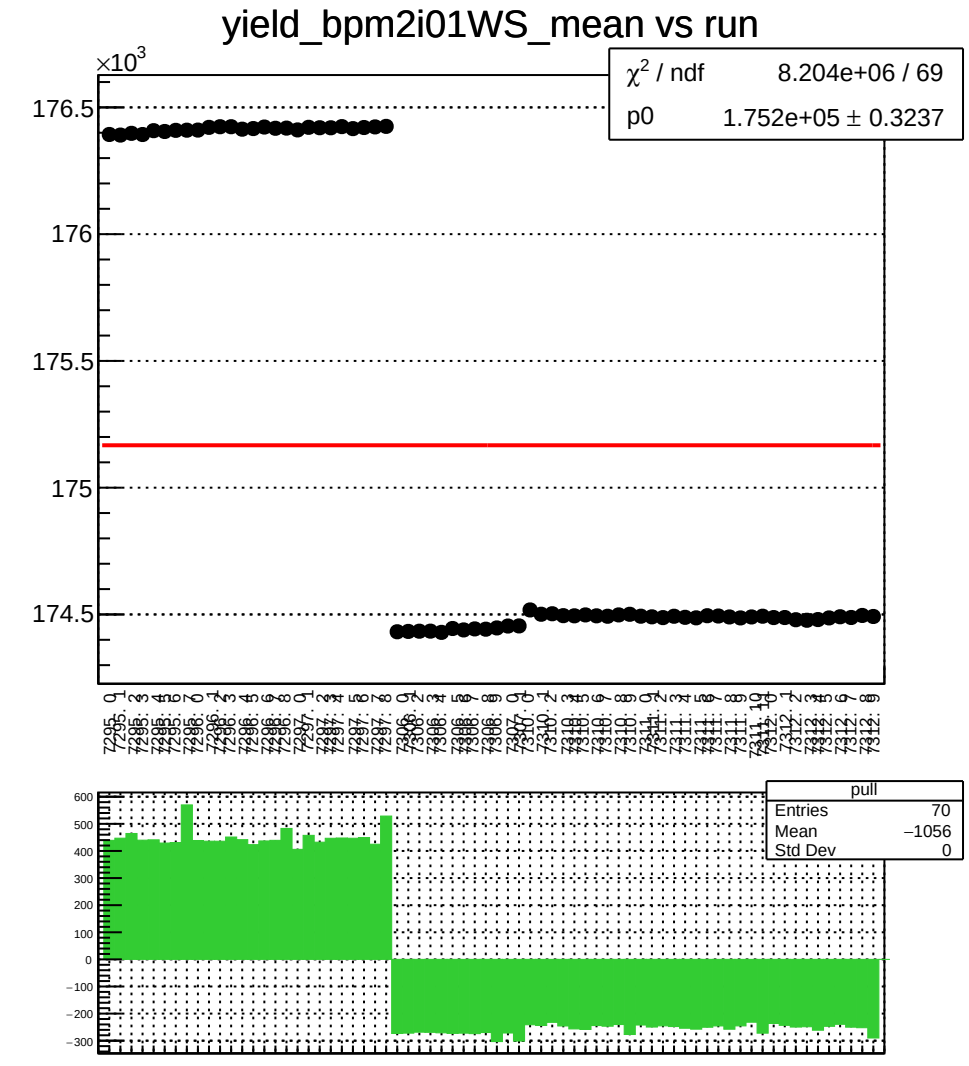

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

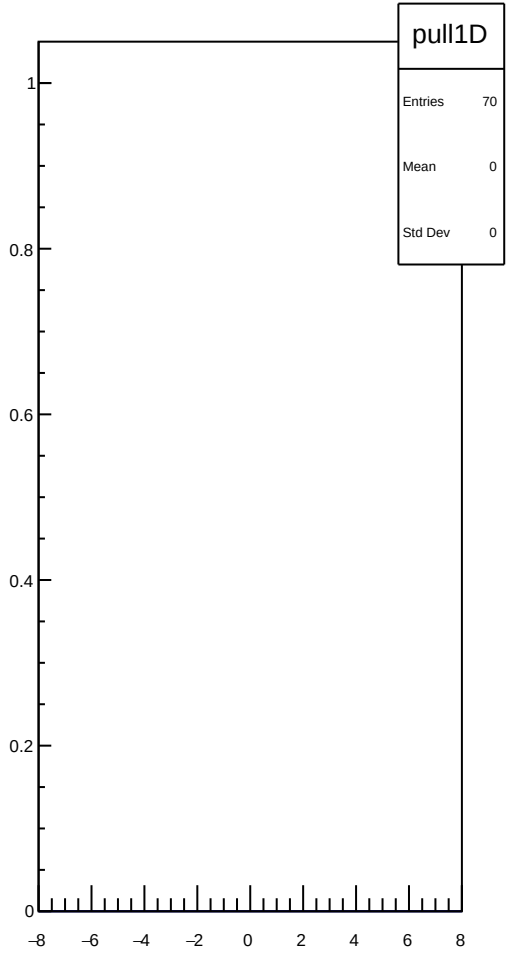

yield_cav4dQ_rms vs run
χ² / ndf 1.889e+04 / 69
p0 0.5384 ± 0.0004722
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

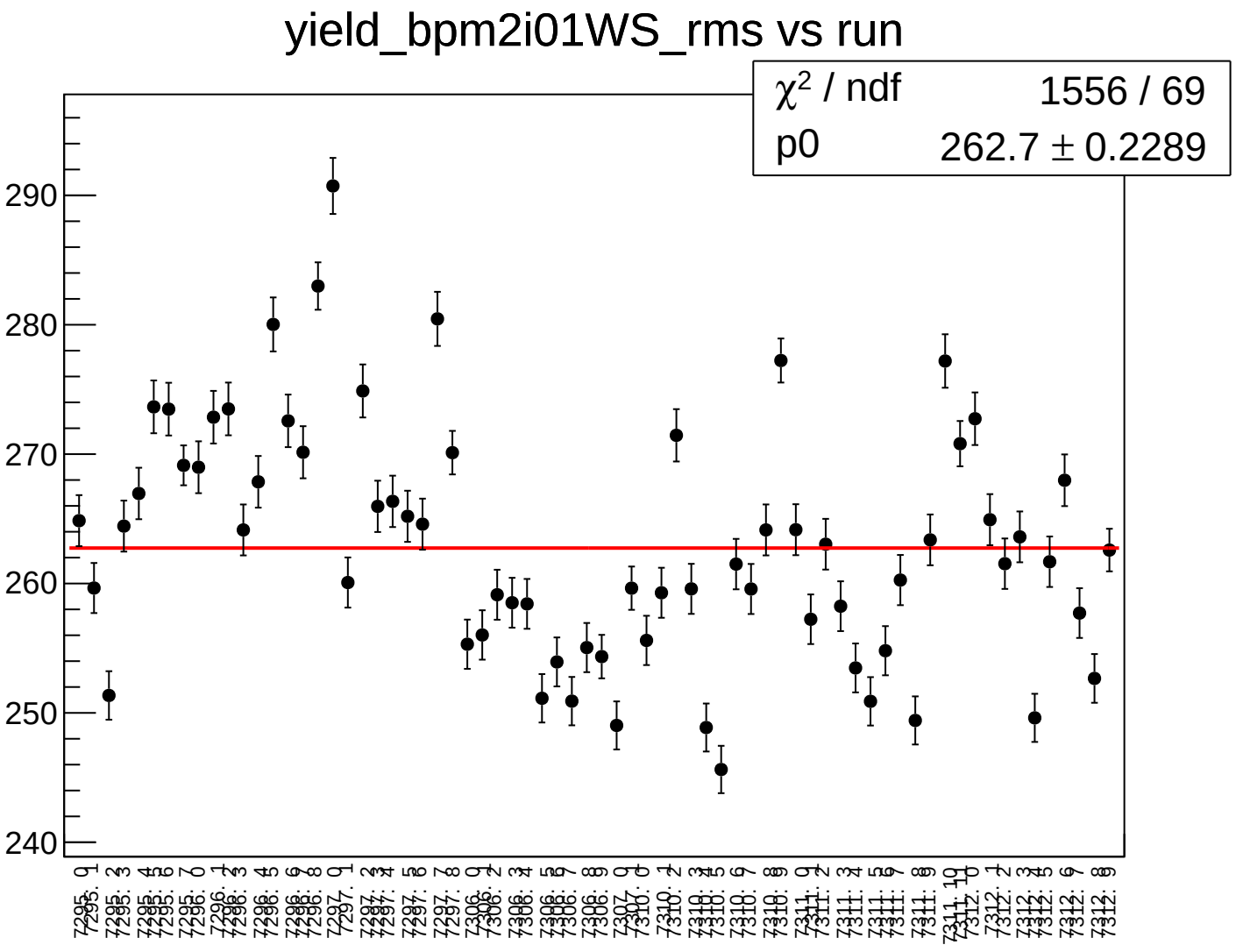

yield_bcm0l02_mean vs run
χ² / ndf 2.903e+05 / 69
p0 148.8 ± 0.0008605
149.5
149
148.5
148
147.5
pull
Entries 70
Mean 262.4
Std Dev 0
100
50
0
−50
−100
−150
−200

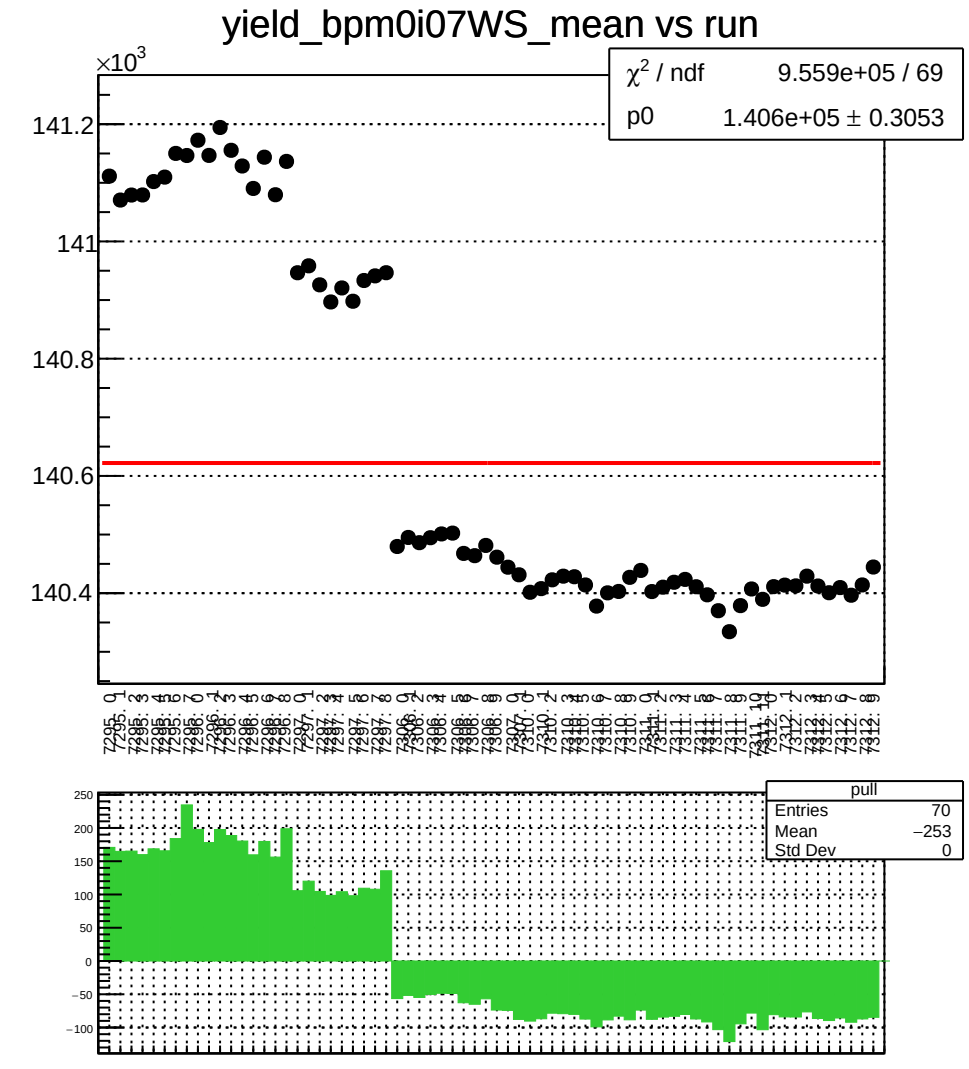

pull1D
Entries 70
Mean 1.96
Std Dev 3.487
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

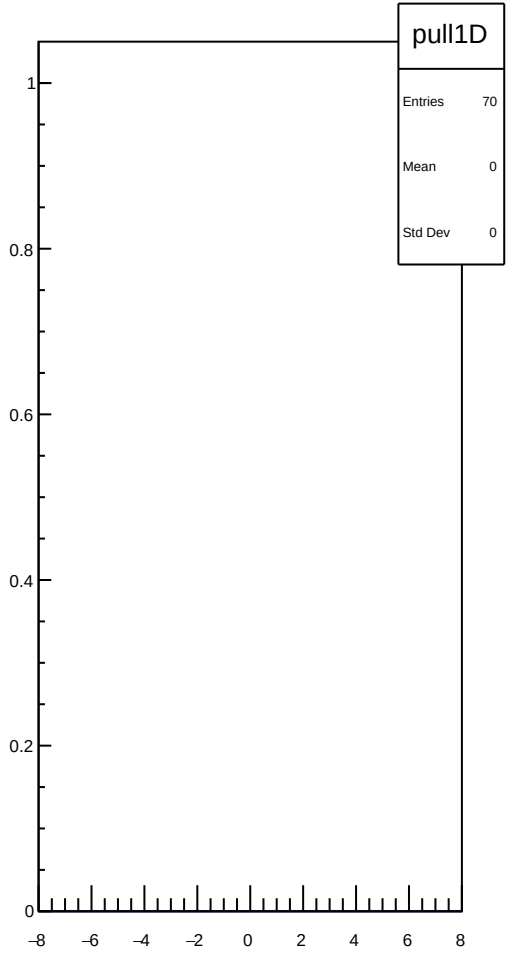

yield_bcm0l02_rms vs run
χ² / ndf 3.504e+04 / 69
p0 0.6895 ± 0.0006085
1
0.9
0.8
0.7
0.6
0.5

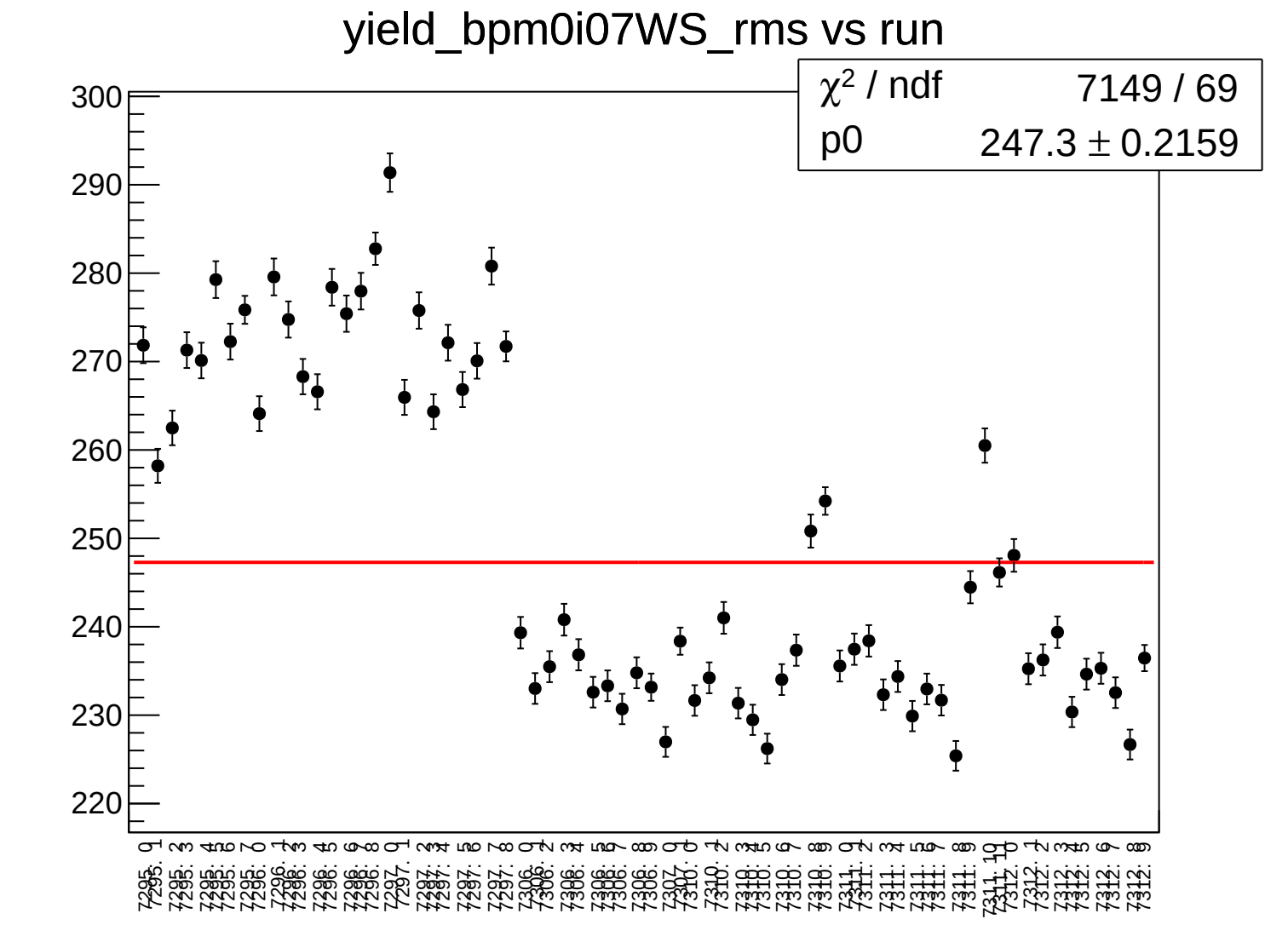

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.204e+06 / 69
p0 1.752e+05 ± 0.3237
176.5
176
175.5
175
174.5
pull
Entries 70
Mean −1056
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

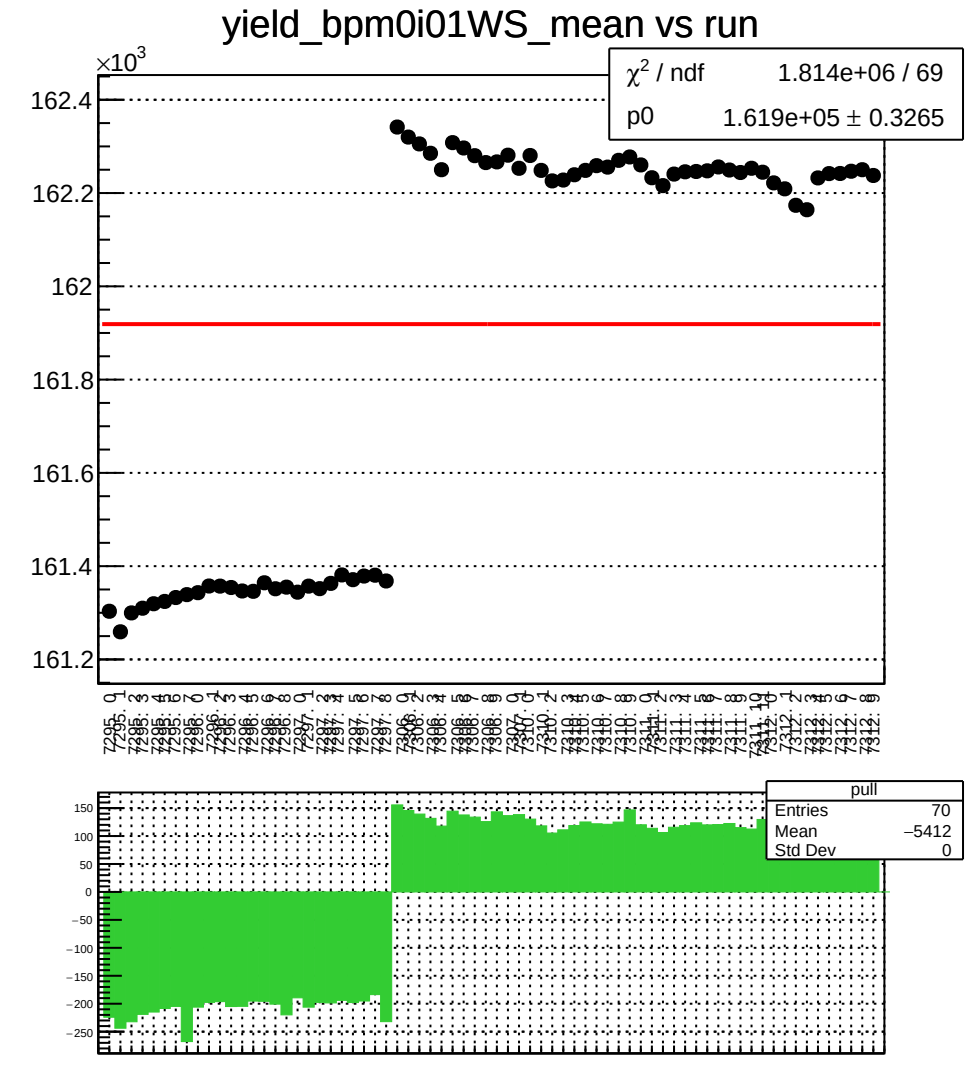

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

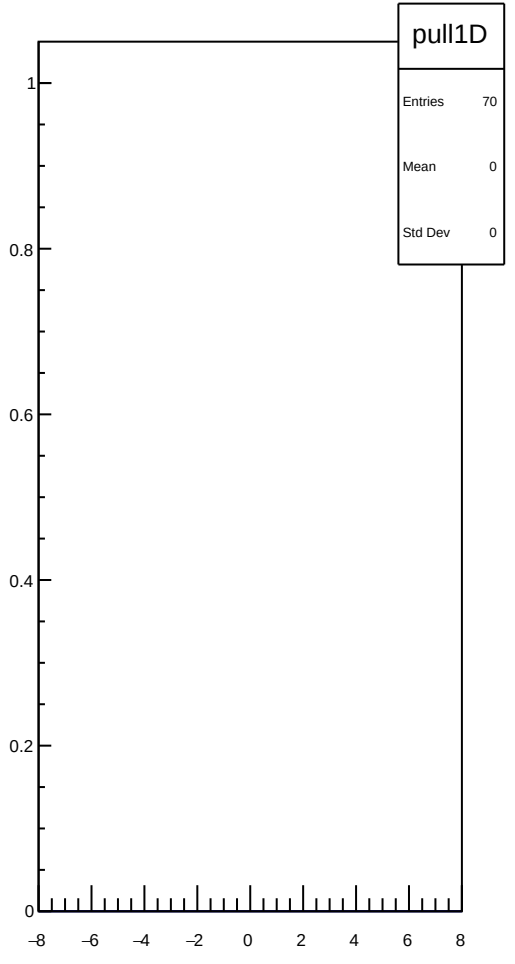

yield_bpm2i01WS_rms vs run
χ² / ndf 1556 / 69
p0 262.7 ± 0.2289
290
280
270
260
250
240

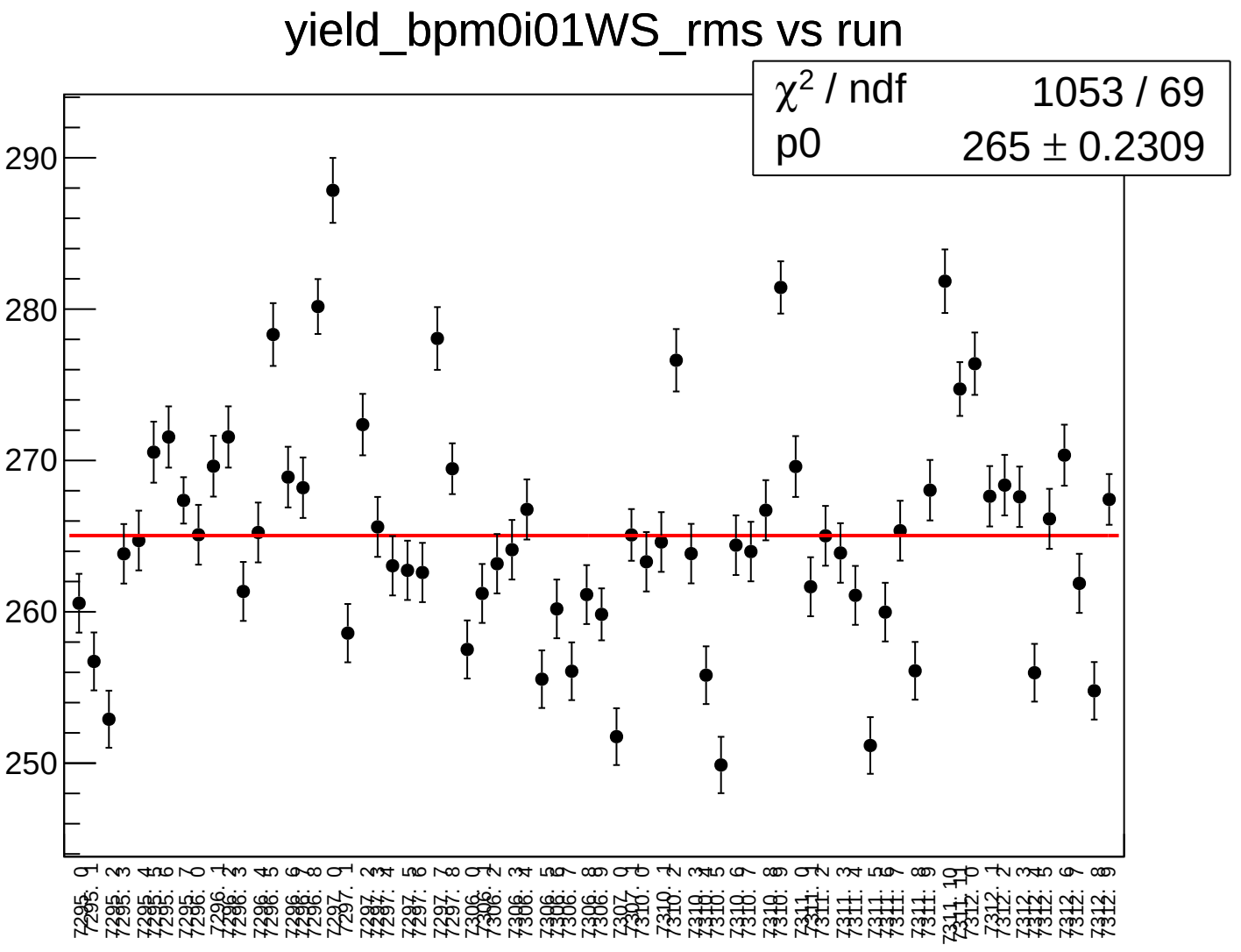

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.559e+05 / 69
p0 1.406e+05 ± 0.3053
141.2
141
140.8
140.6
140.4
pull
Entries 70
Mean −253
Std Dev 0
250
200
150
100
50
0
−50
−100

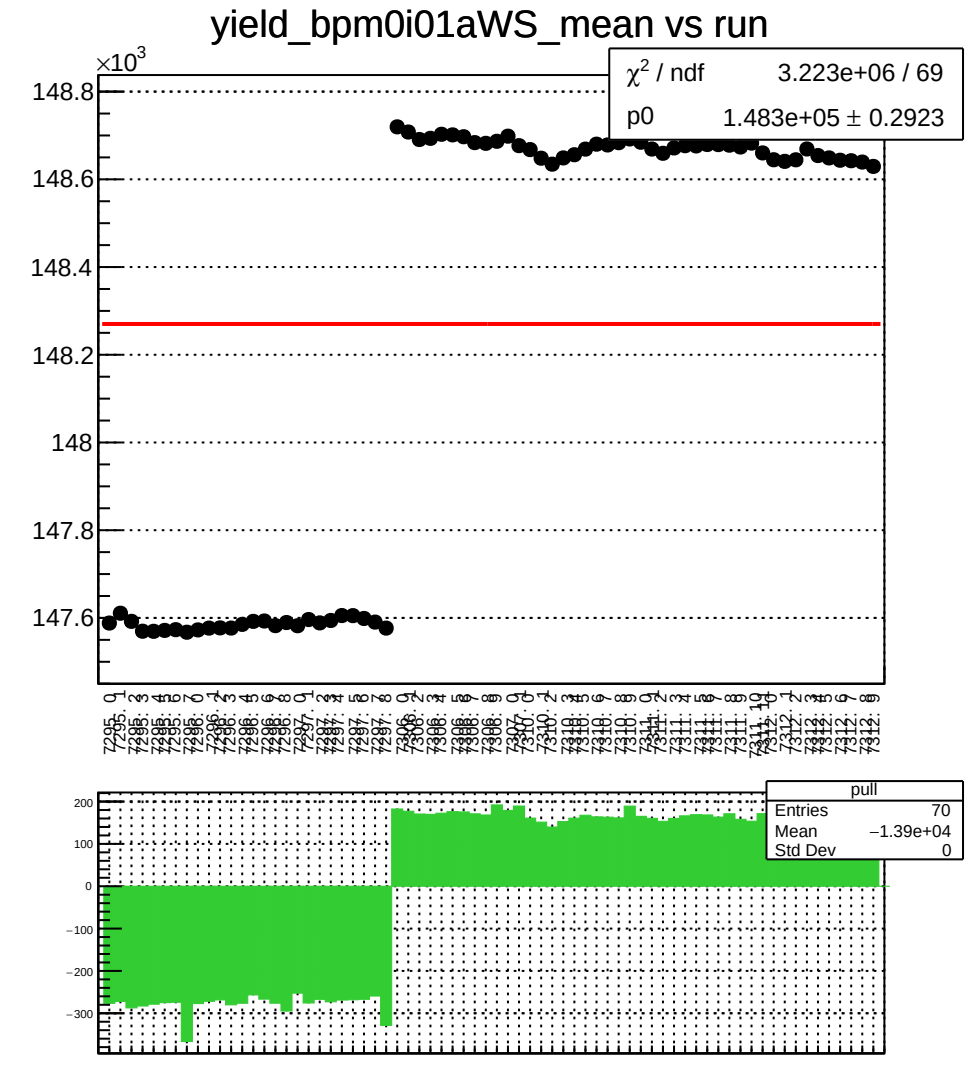

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

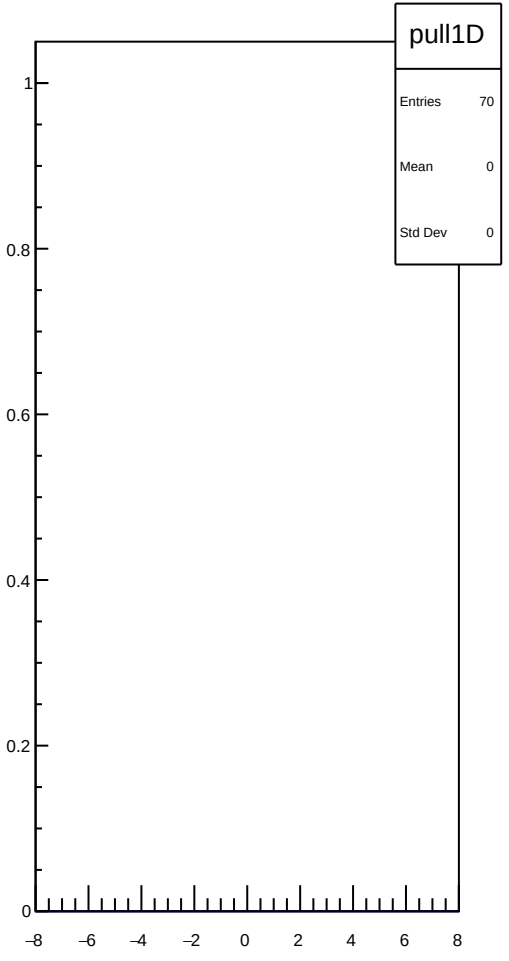

yield_bpm0i07WS_rms vs run
χ² / ndf 7149 / 69
p0 247.3 ± 0.2159
300
290
280
270
260
250
240
230
220

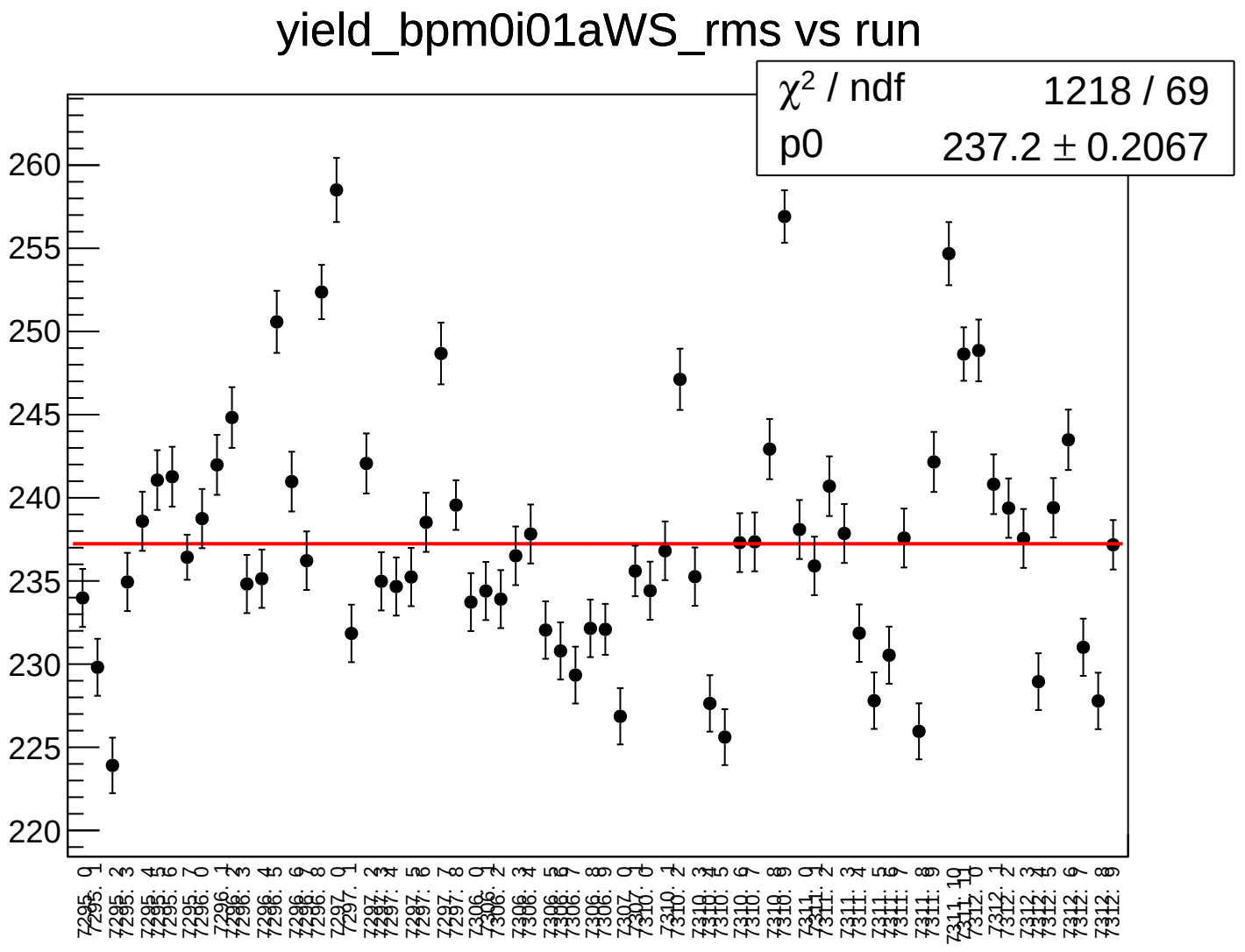

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.814e+06 / 69
p0 1.619e+05 ± 0.3265
162.4
162.2
162
161.8
161.6
161.4
161.2
pull
Entries 70
Mean −5412
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

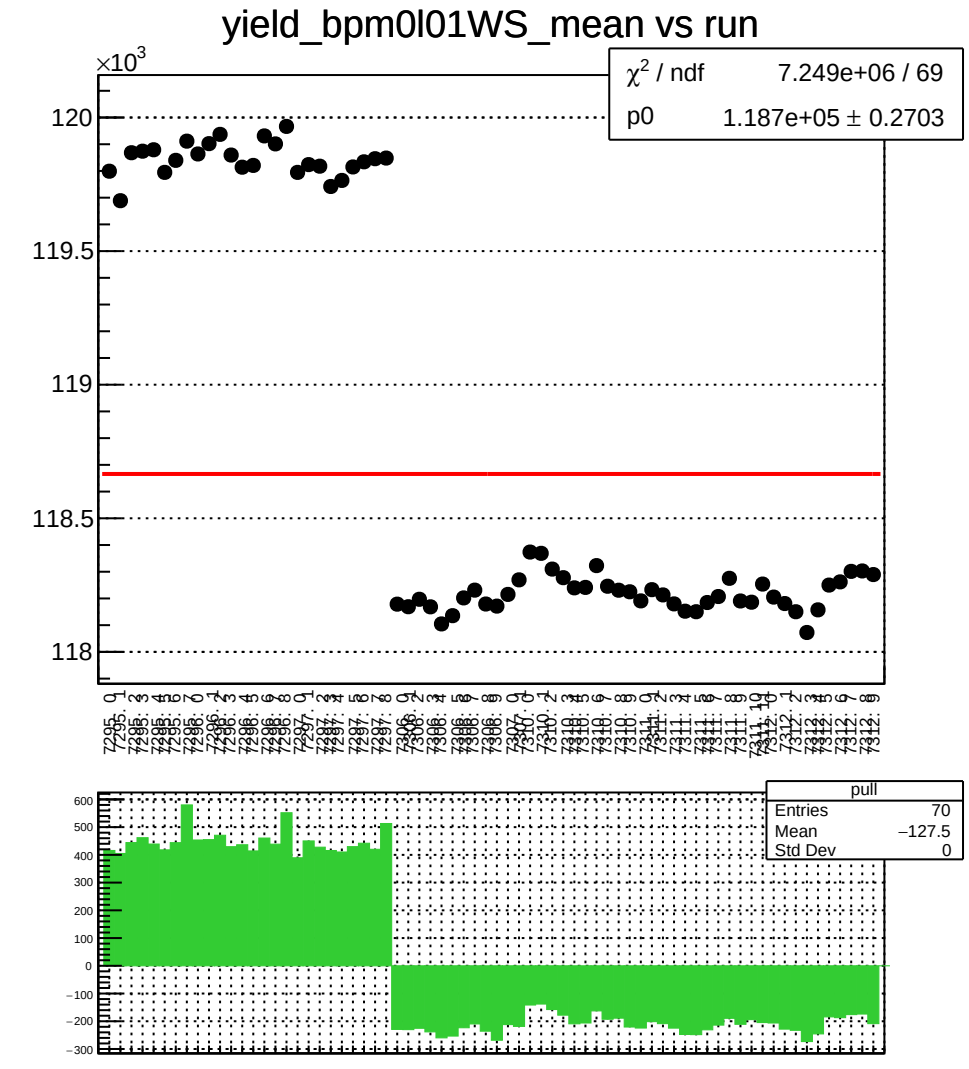

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

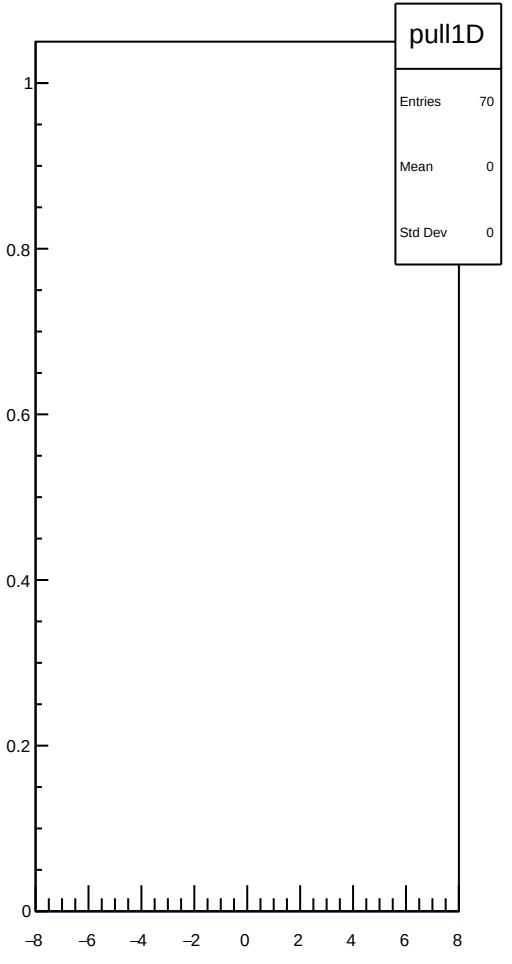

yield_bpm0i01WS_rms vs run
χ² / ndf 1053 / 69
p0 265 ± 0.2309
290
280
270
260
250

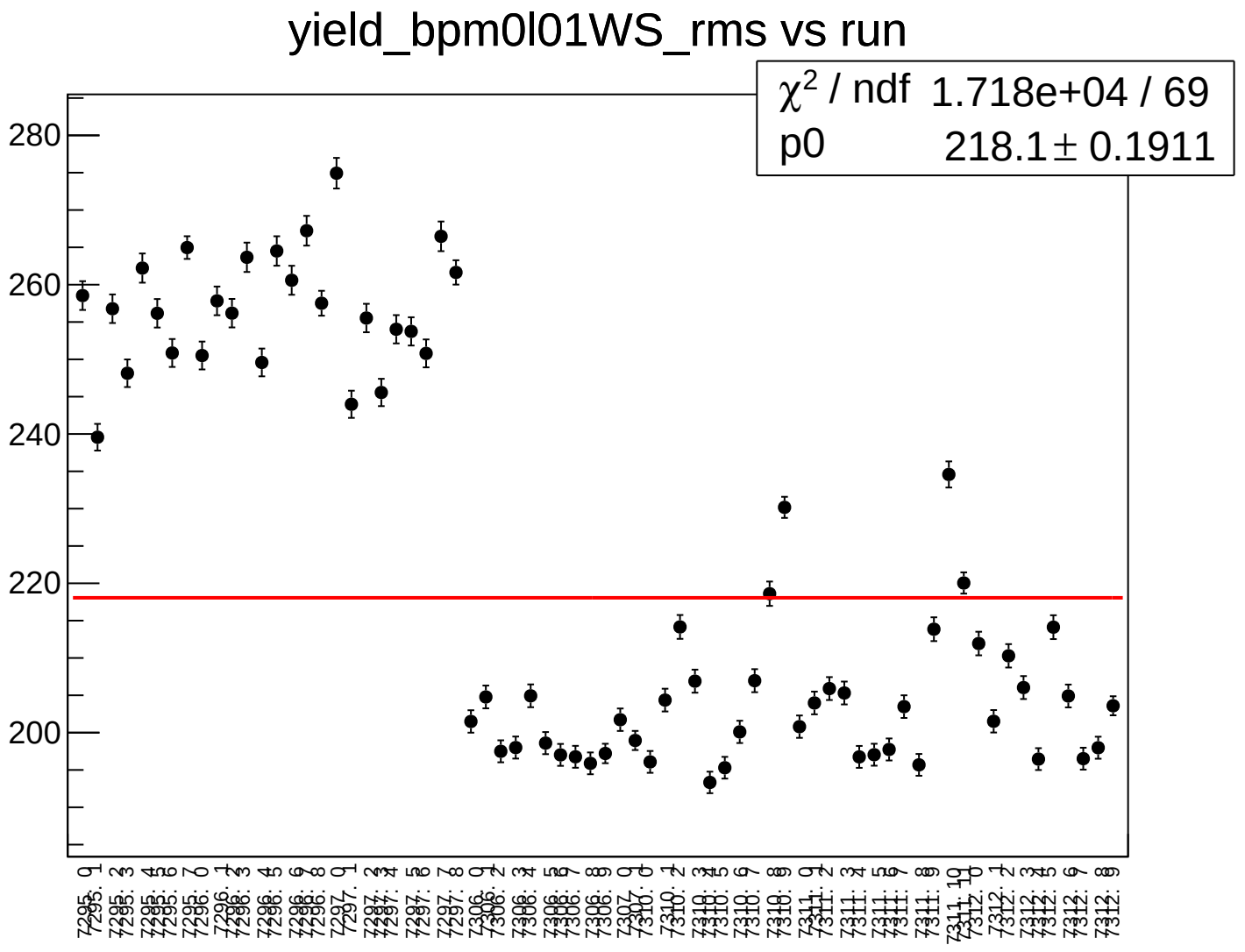

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 3.223e+06 / 69
p0 1.483e+05 ± 0.2923
148.8
148.6
148.4
148.2
148
147.8
147.6
pull
Entries 70
Mean −1.39e+04
Std Dev 0
200
100
0
−100
−200
−300

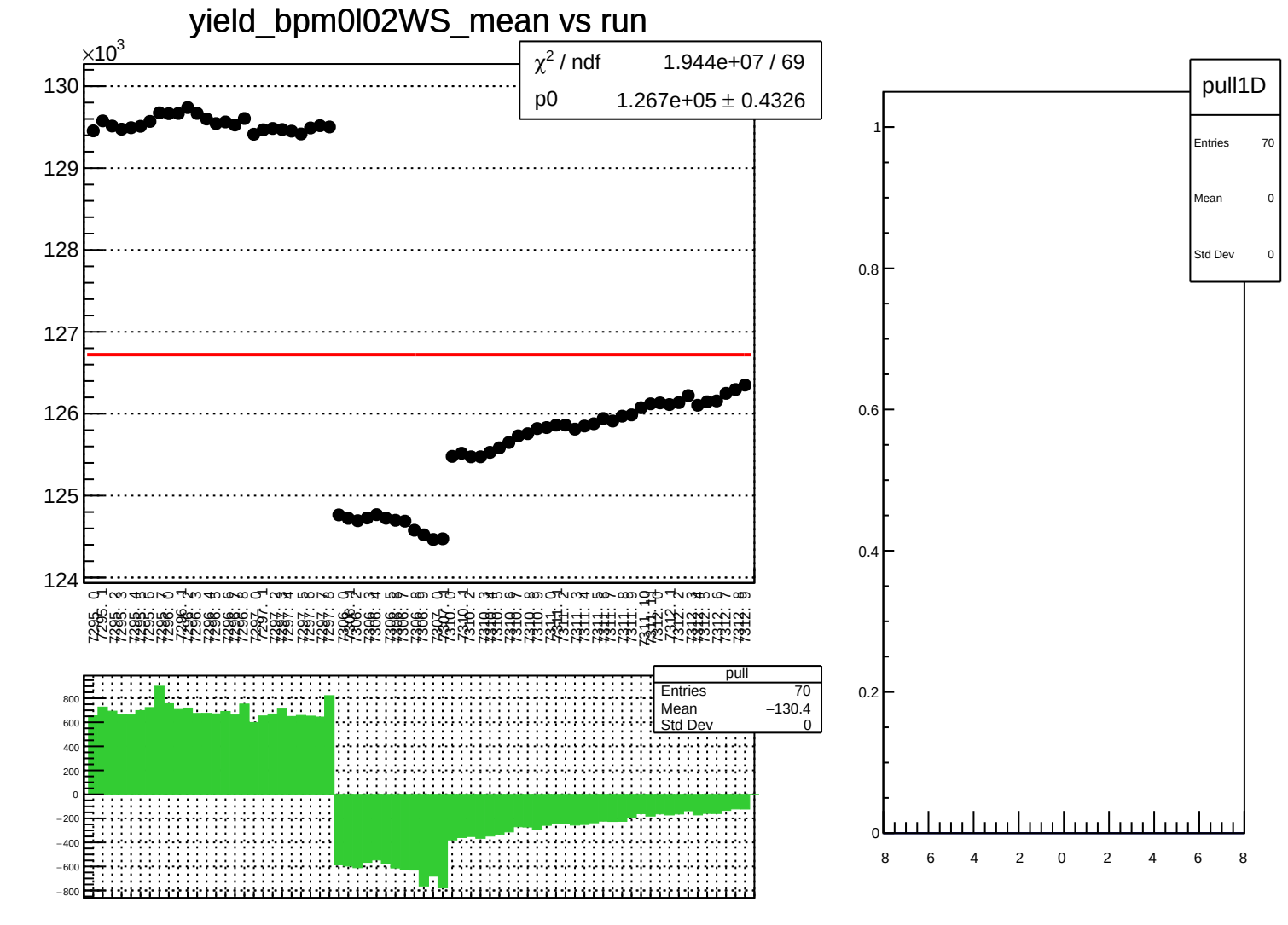

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

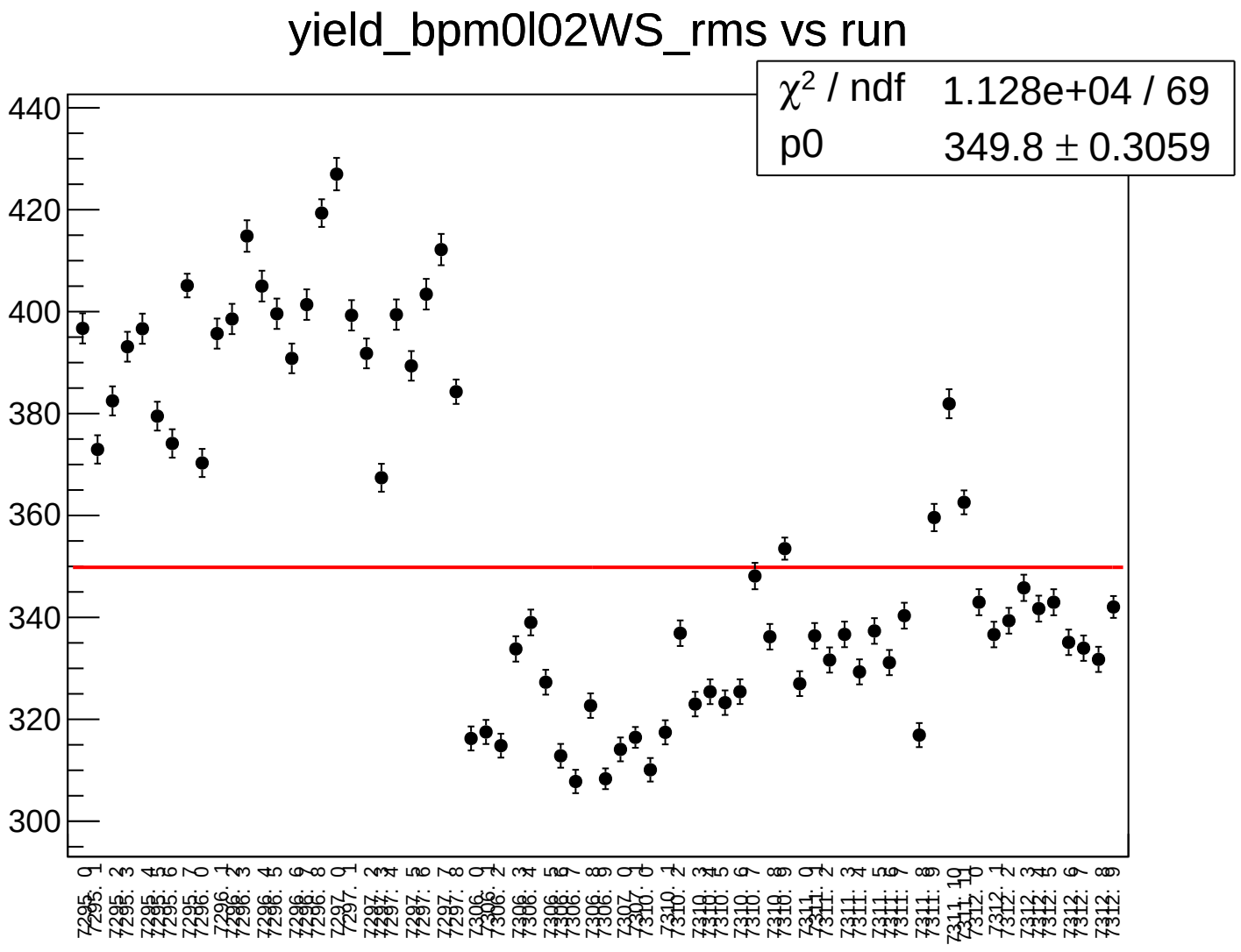

yield_bpm0i01aWS_rms vs run
χ² / ndf 1218 / 69
p0 237.2 ± 0.2067
260
255
250
245
240
235
230
225
220

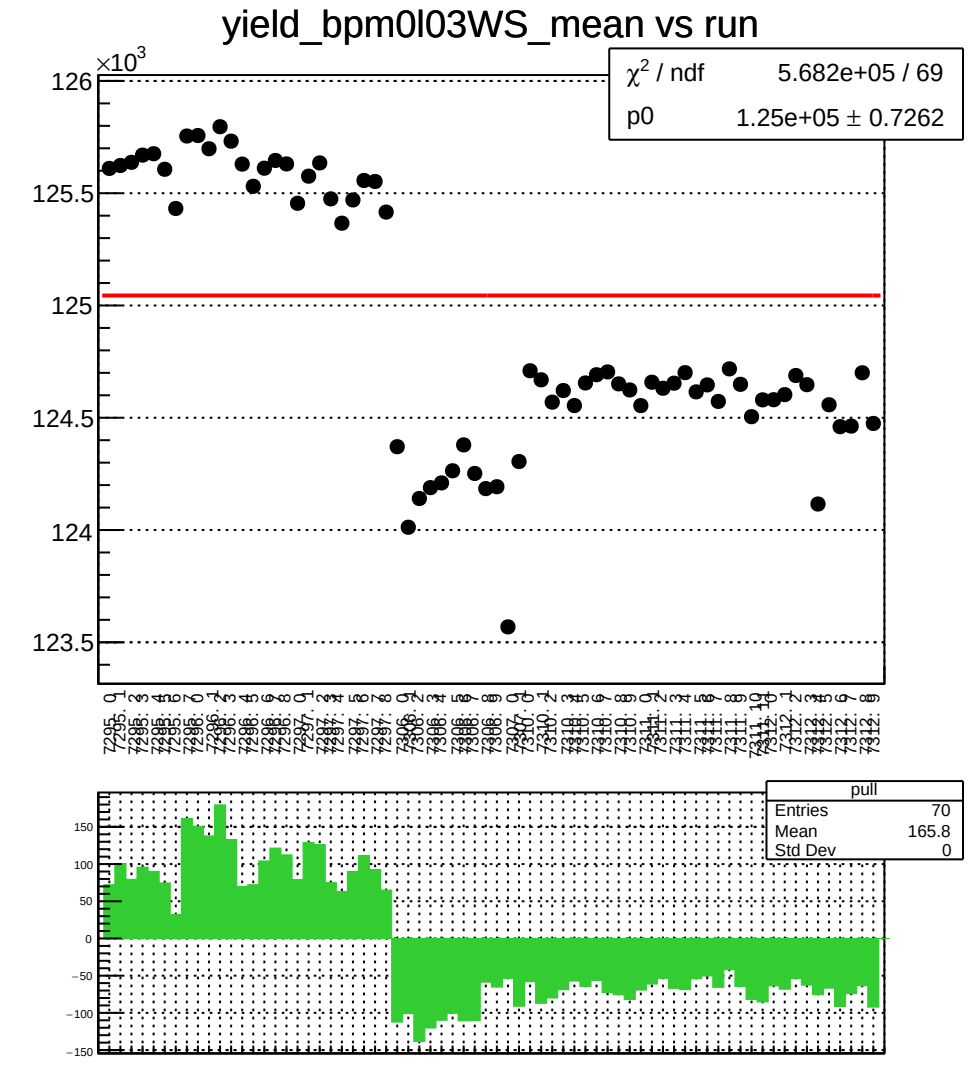

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 7.249e+06 / 69
p0 1.187e+05 ± 0.2703
120
119.5
119
118.5
118
pull
Entries 70
Mean −127.5
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

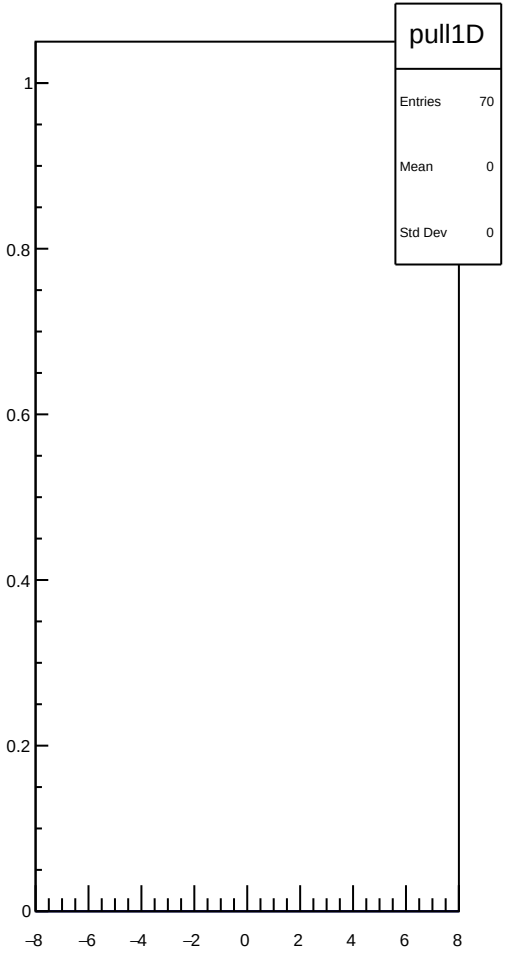

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

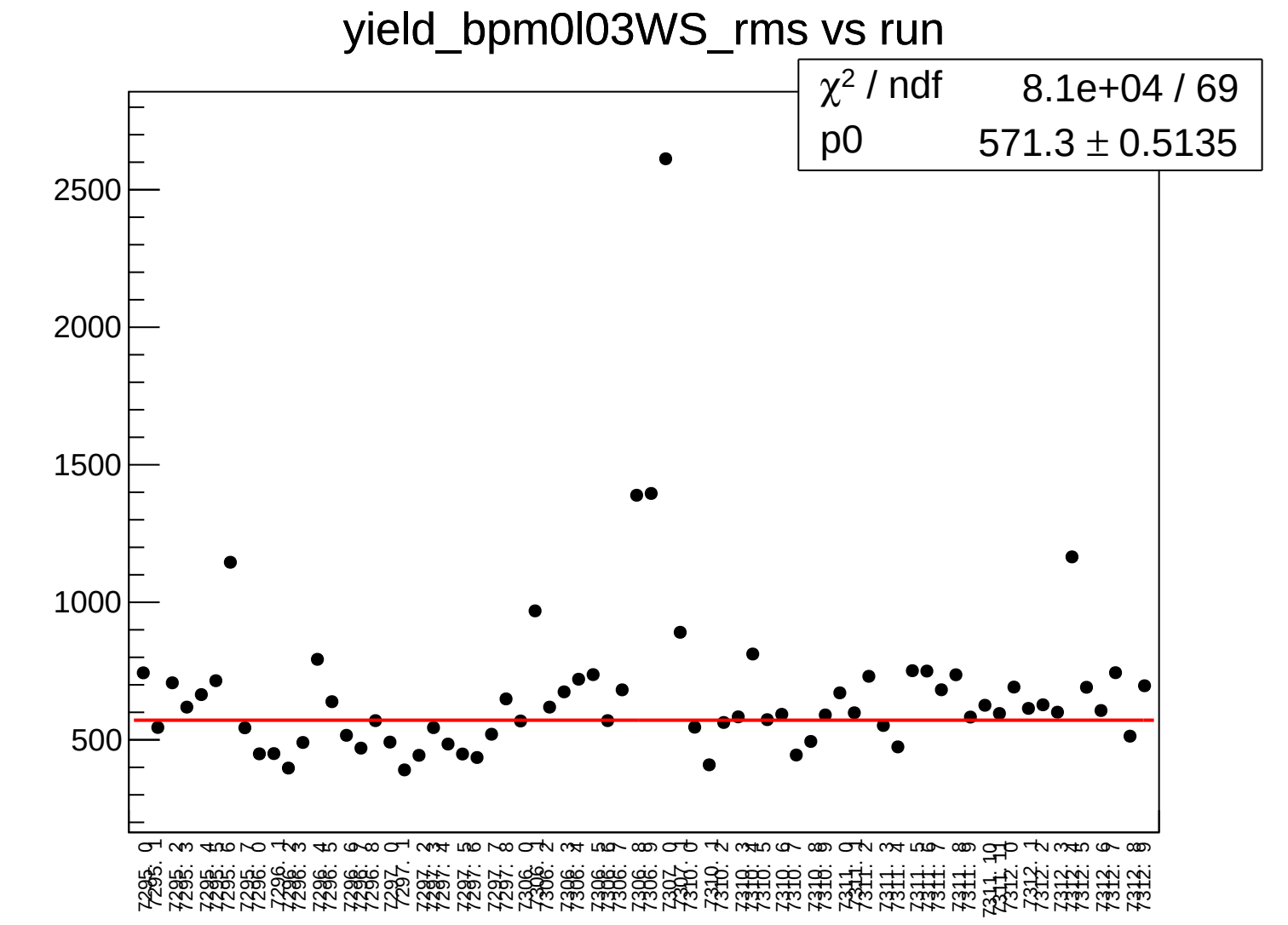

yield_bpm0l01WS_rms vs run
χ² / ndf 1.718e+04 / 69
p0 218.1 ± 0.1911
280
260
240
220
200

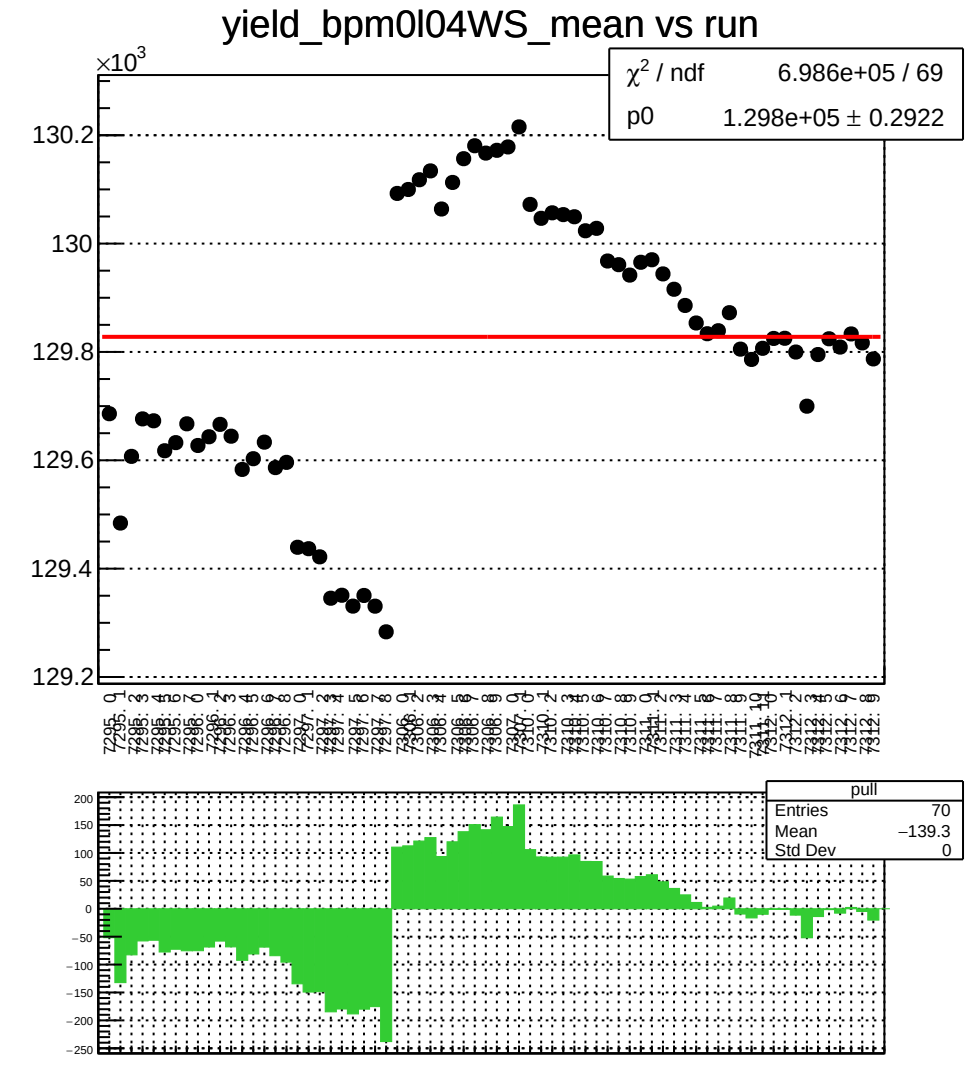

yield_bpm0l02WS_mean vs run
×10^3
130
129
128
127
126
125
124
χ² / ndf 1.944e+07 / 69
p0 1.267e+05 ± 0.4326
pull
Entries 70
Mean −130.4
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

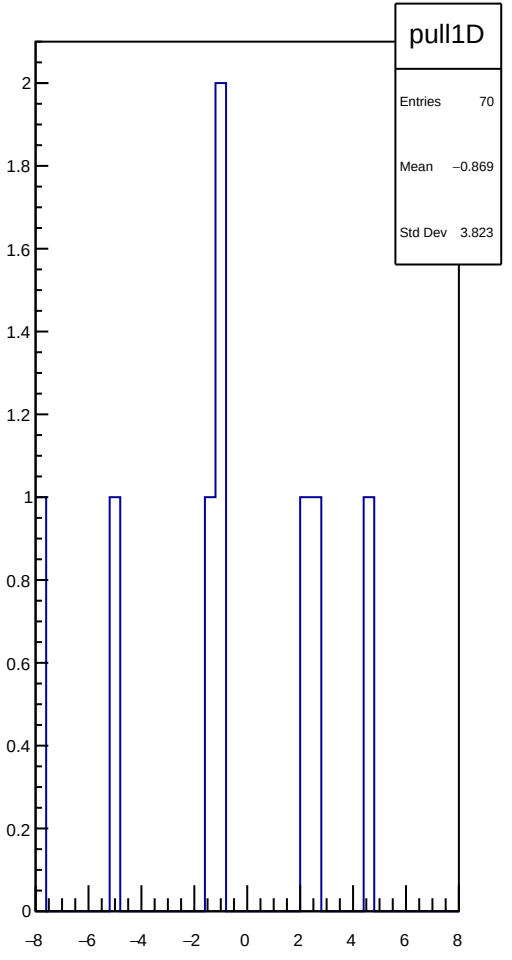

yield_bpm0l02WS_rms vs run
χ² / ndf 1.128e+04 / 69
p0 349.8 ± 0.3059
440
420
400
380
360
340
320
300

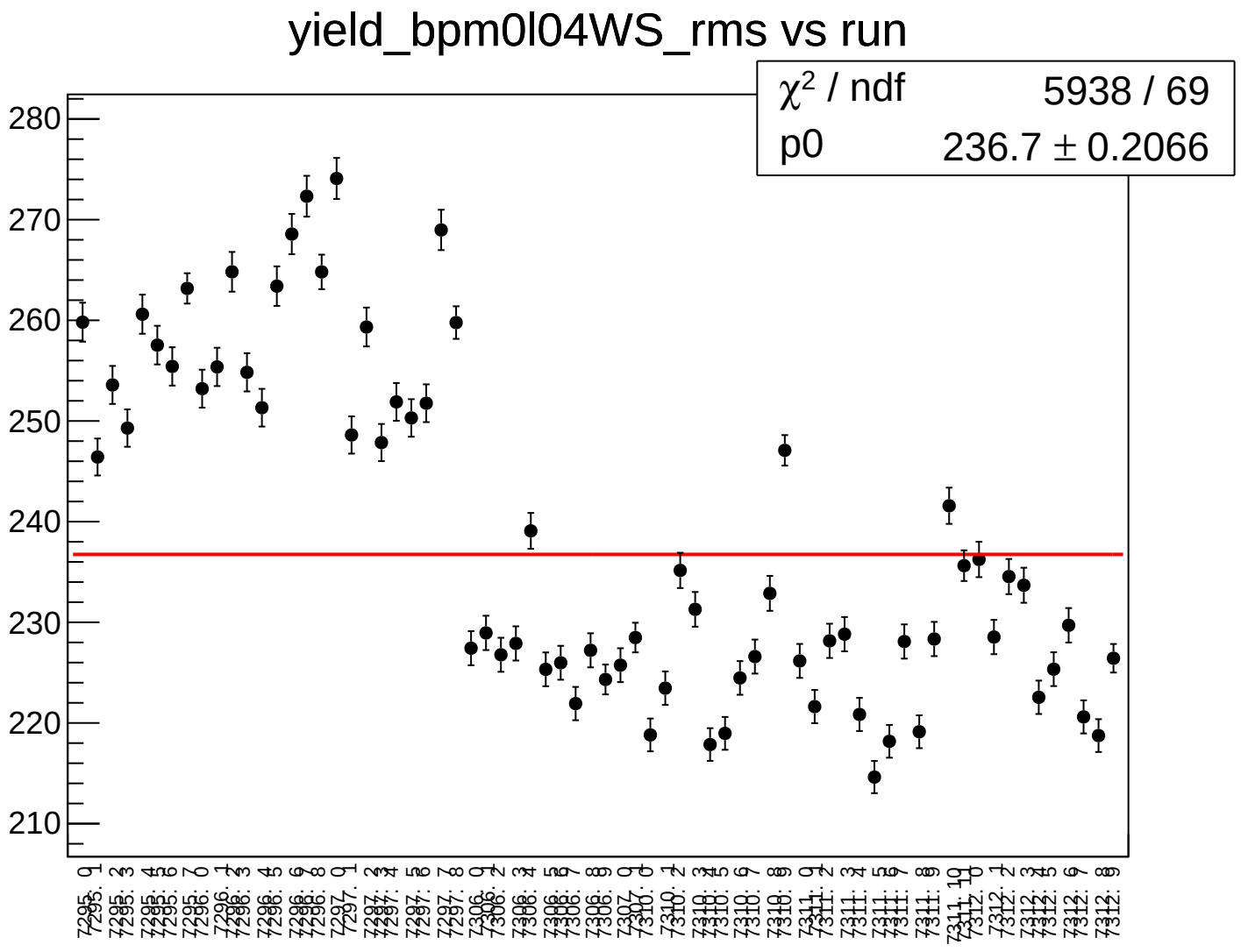

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 5.682e+05 / 69
p0 1.25e+05 ± 0.7262
126
125.5
125
124.5
124
123.5
pull
Entries 70
Mean 165.8
Std Dev 0
150
100
50
0
−50
−100
−150

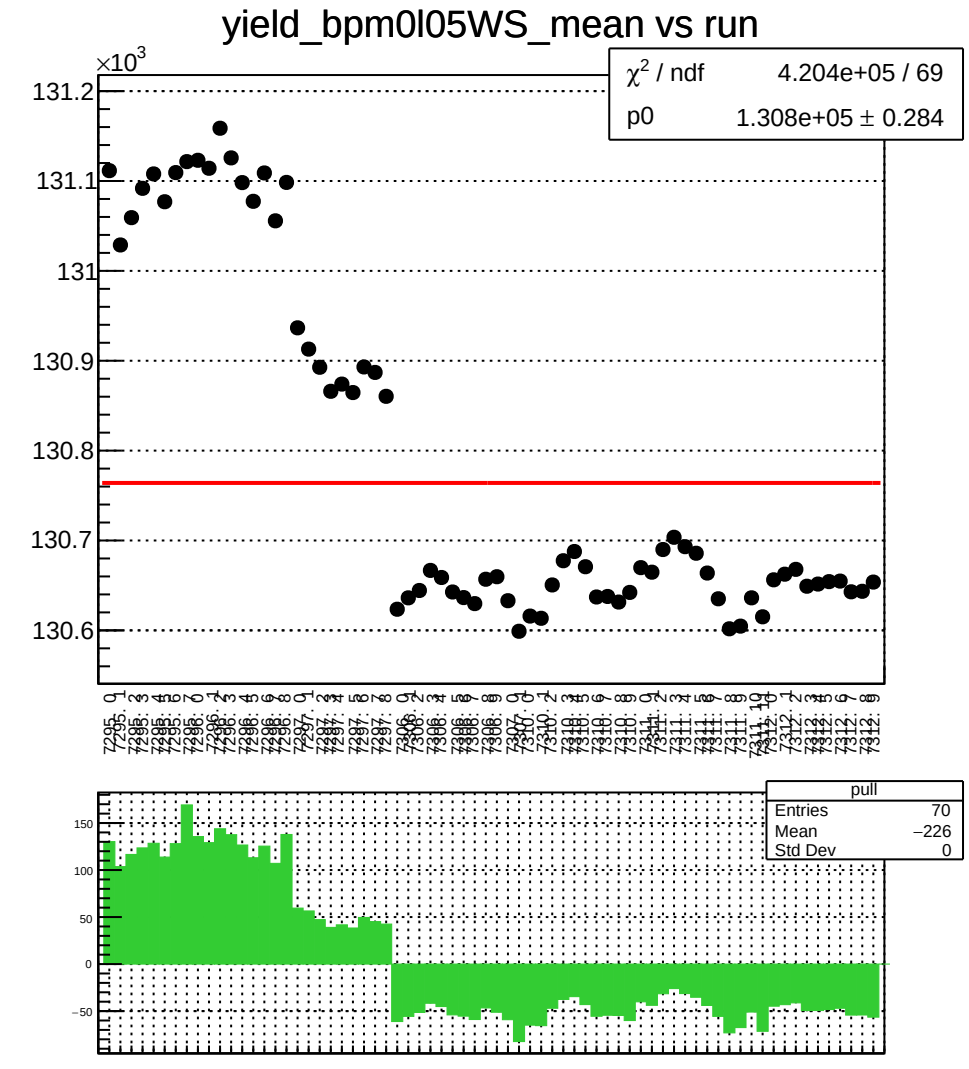

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

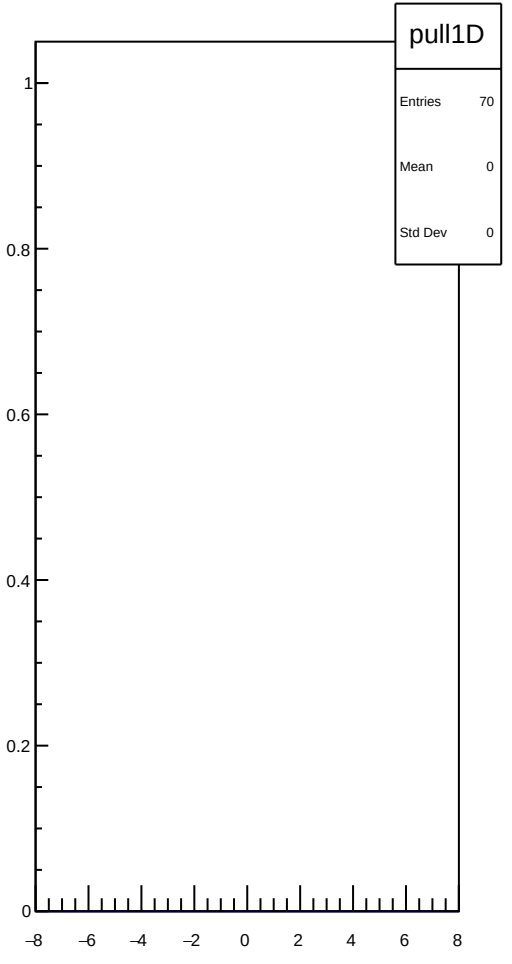

yield_bpm0l03WS_rms vs run
χ² / ndf 8.1e+04 / 69
p0 571.3 ± 0.5135
2500
2000
1500
1000
500

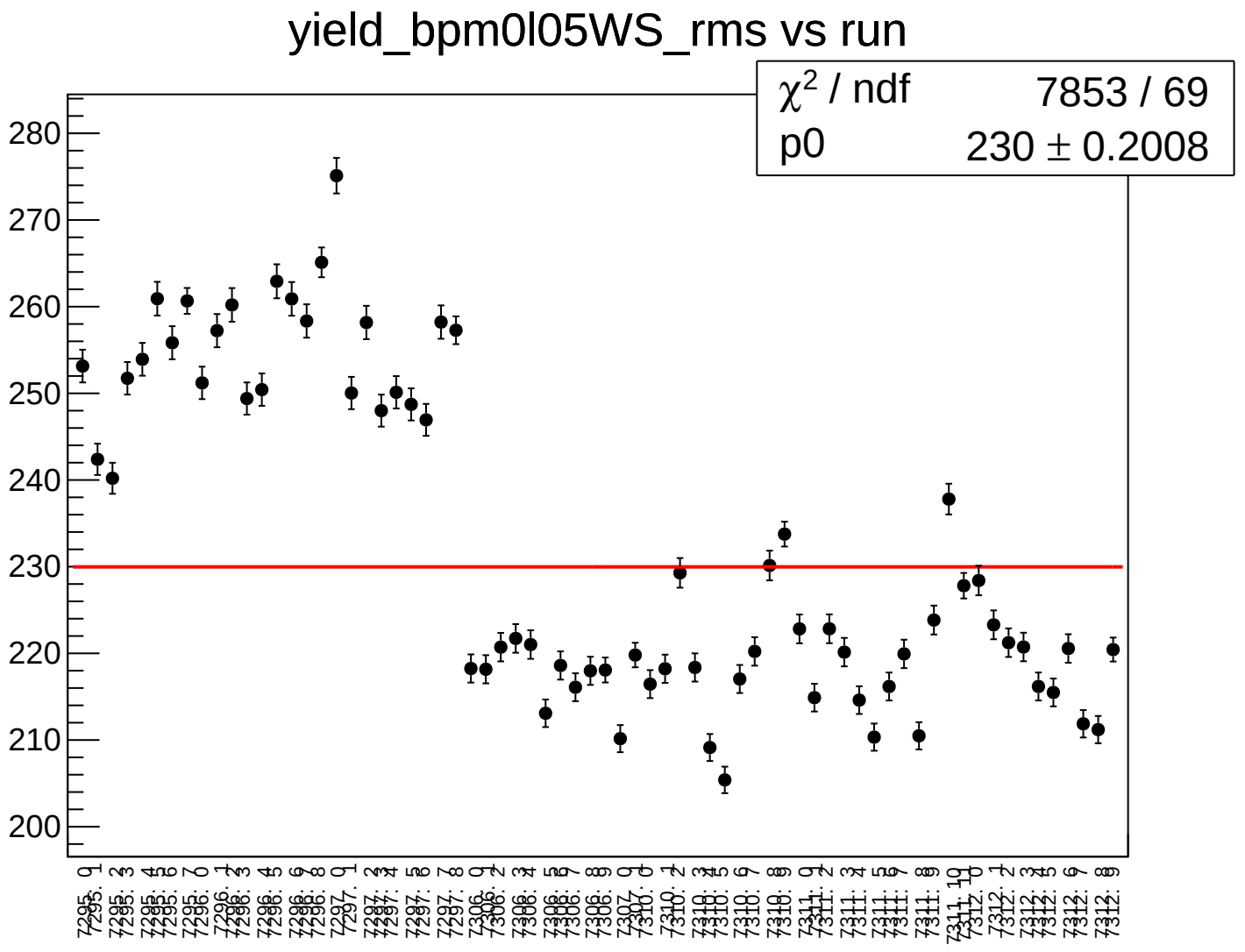

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 6.986e+05 / 69
p0 1.298e+05 ± 0.2922
130.2
130
129.8
129.6
129.4
129.2
pull
Entries 70
Mean −139.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

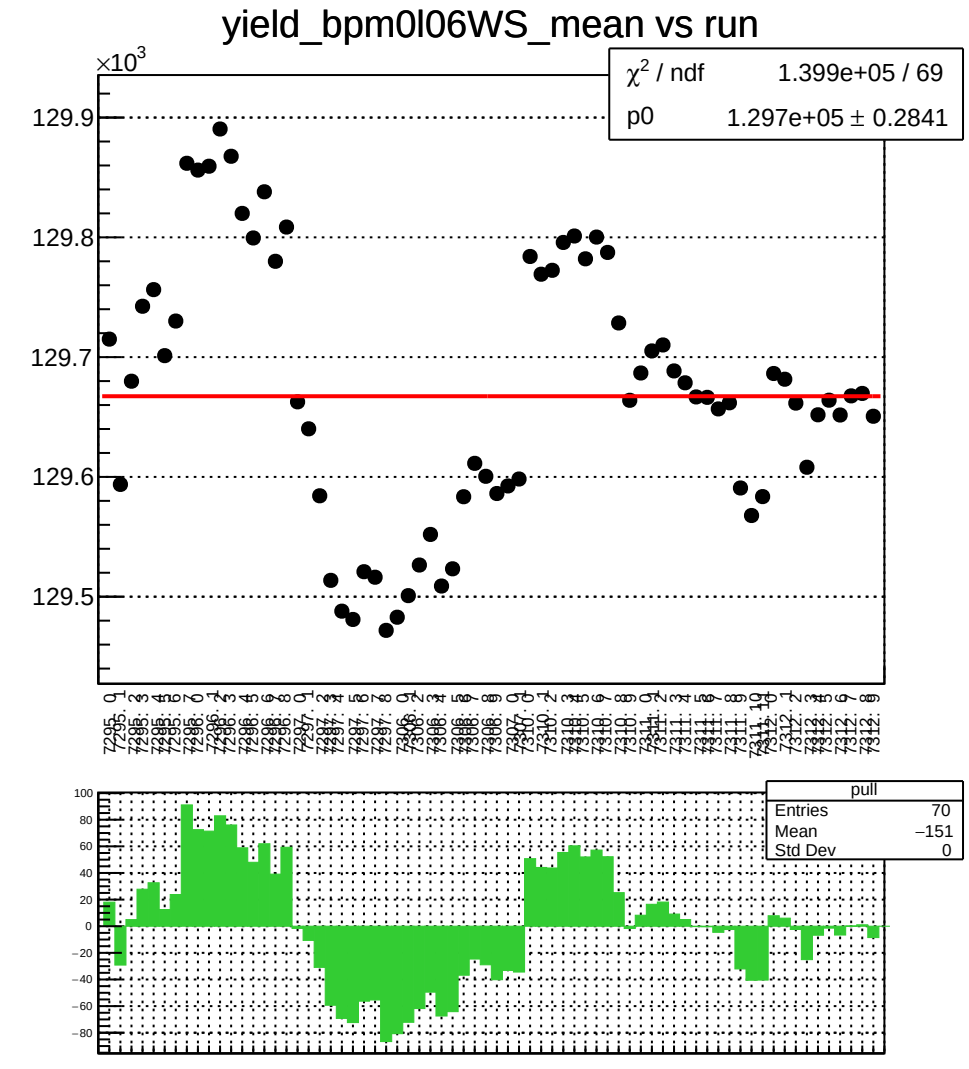

pull1D
Entries 70
Mean −0.869
Std Dev 3.823
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

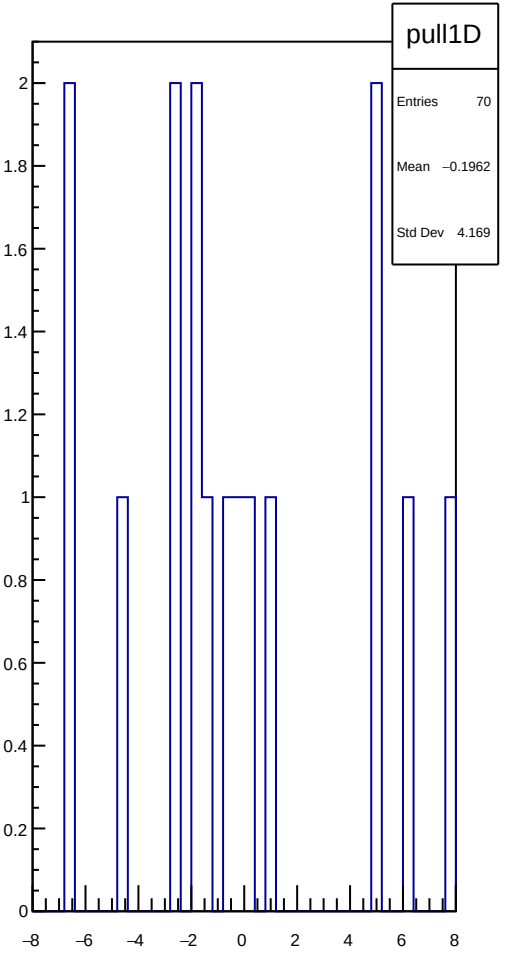

yield_bpm0l04WS_rms vs run
χ² / ndf 5938 / 69
p0 236.7 ± 0.2066
280
270
260
250
240
230
220
210

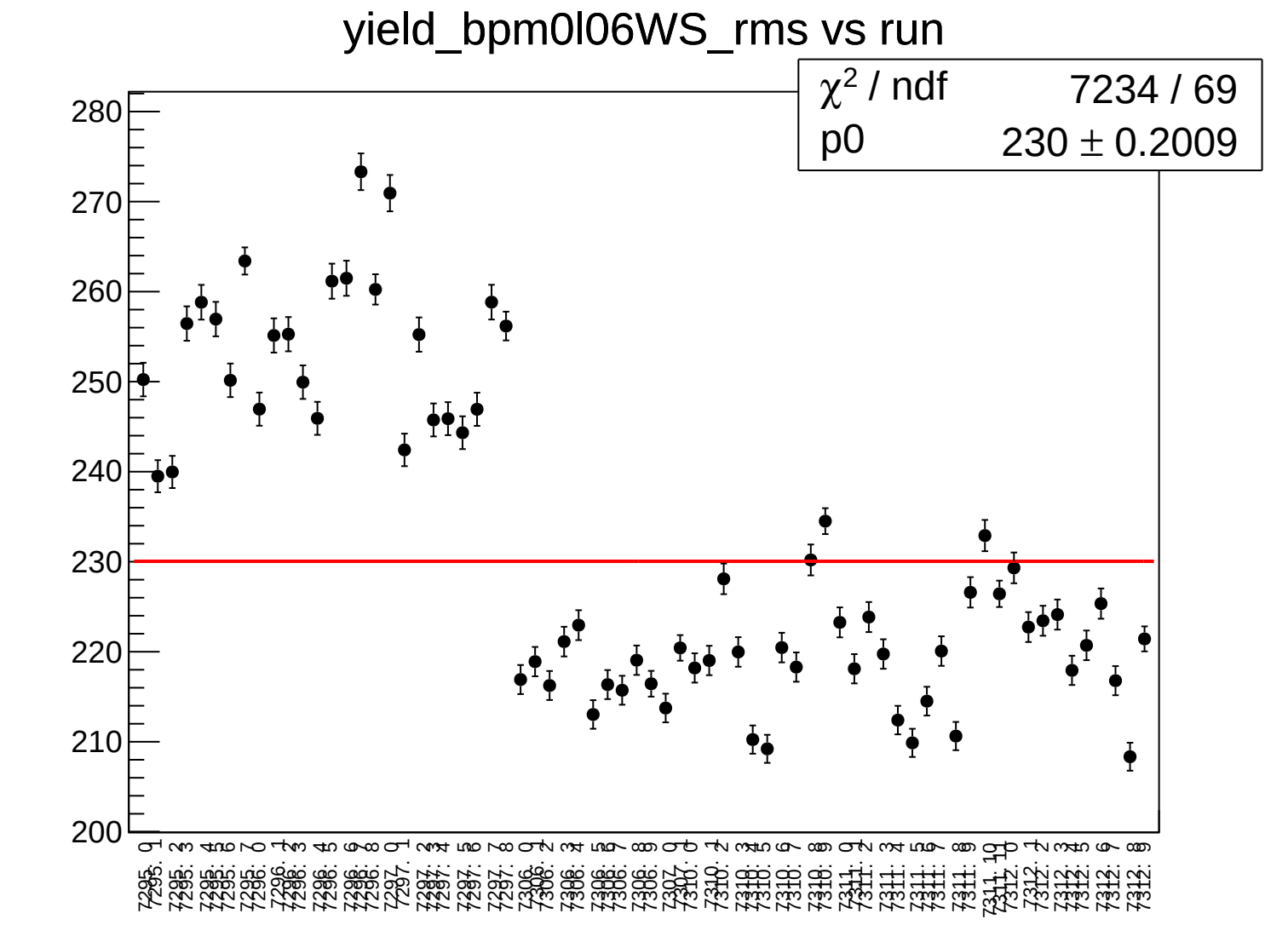

yield_bpm0l05WS_mean vs run
×10^3
131.2
131.1
131
130.9
130.8
130.7
130.6
χ² / ndf 4.204e+05 / 69
p0 1.308e+05 ± 0.284
pull
Entries 70
Mean −226
Std Dev 0
150
100
50
0
−50

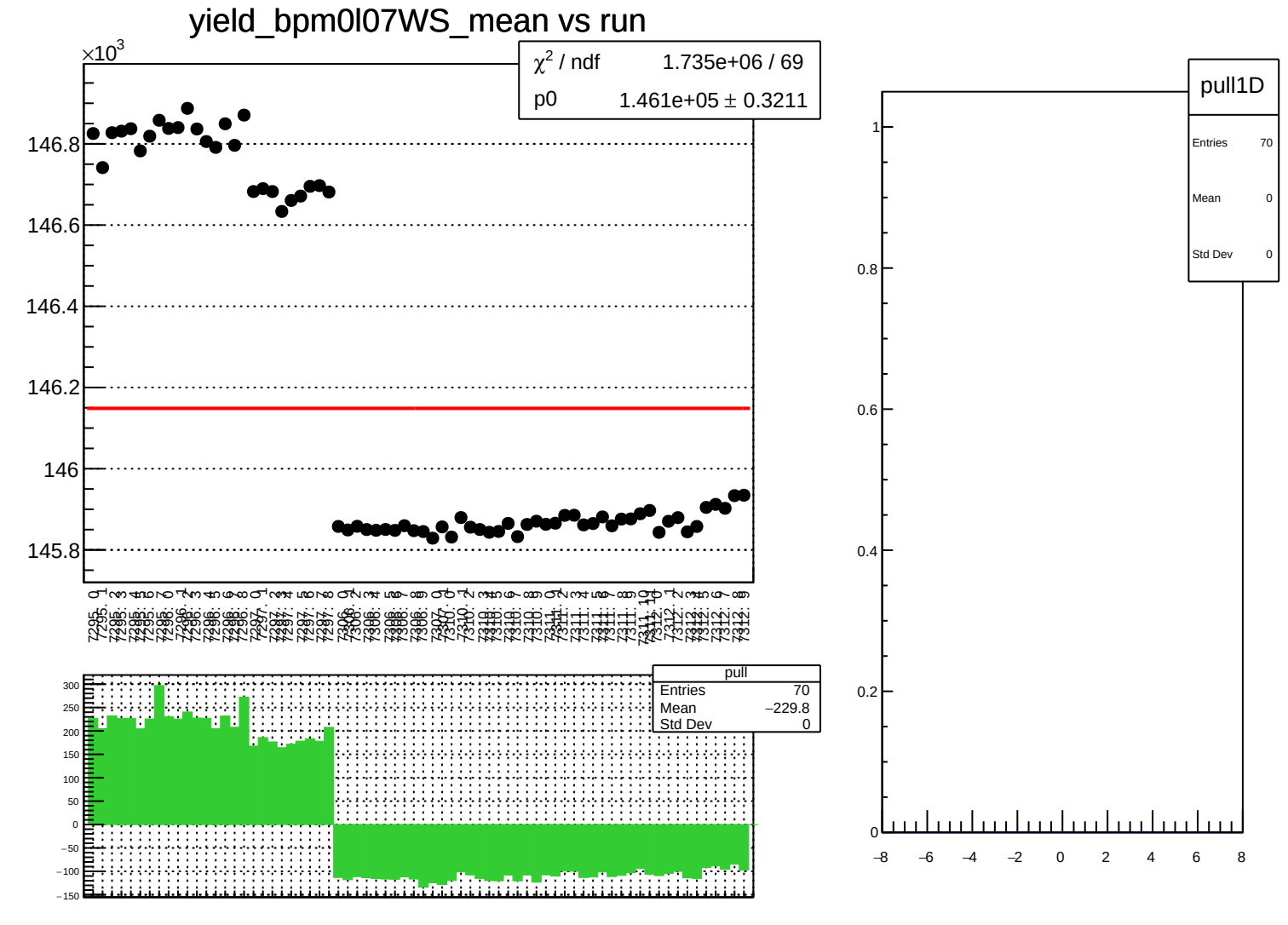

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

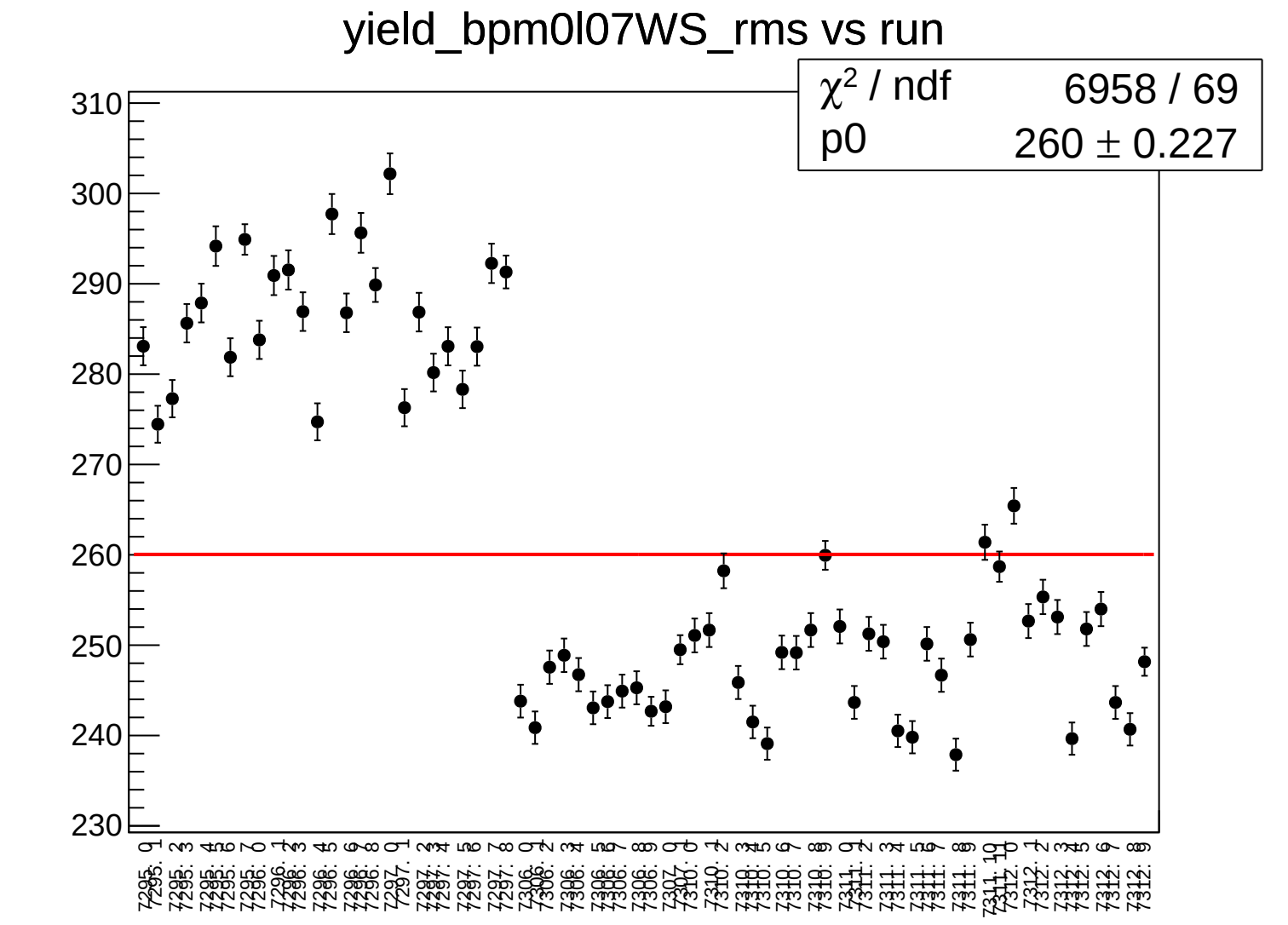

yield_bpm0l05WS_rms vs run
χ² / ndf 7853 / 69
p0 230 ± 0.2008
280
270
260
250
240
230
220
210
200

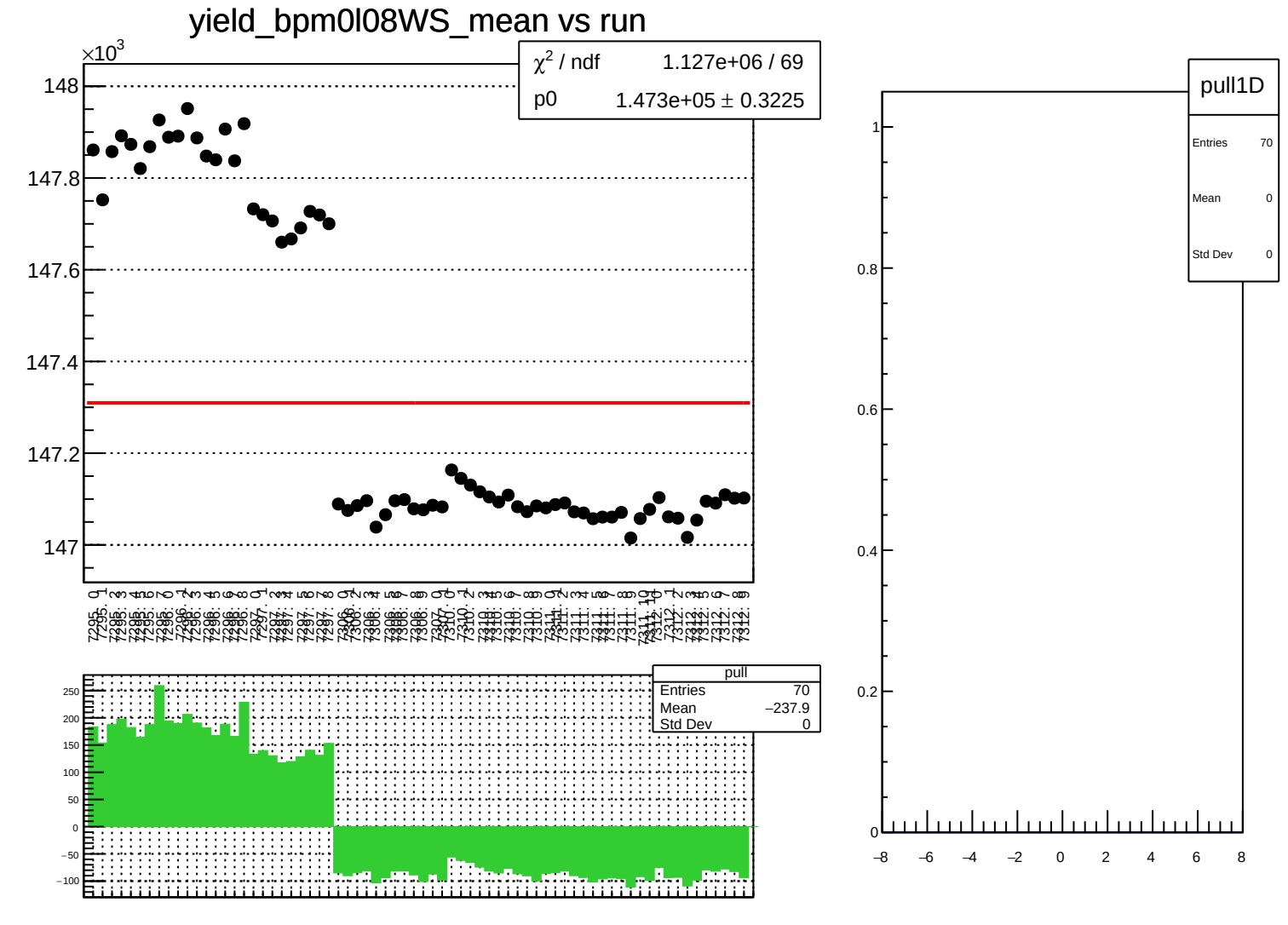

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 1.399e+05 / 69
p0 1.297e+05 ± 0.2841
129.9
129.8
129.7
129.6
129.5
pull
Entries 70
Mean −151
Std Dev 0

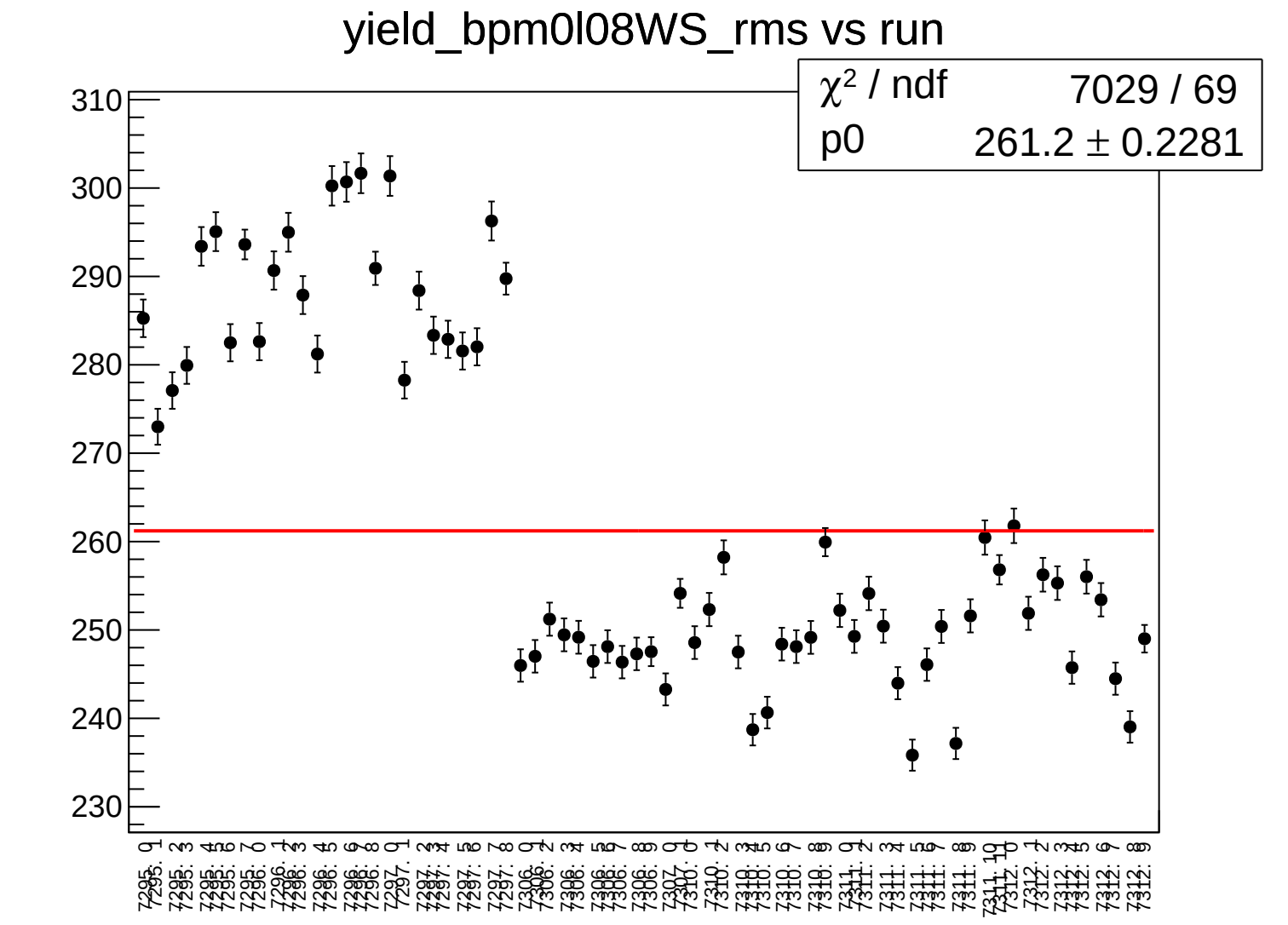

pull1D
Entries 70
Mean −0.1962
Std Dev 4.169

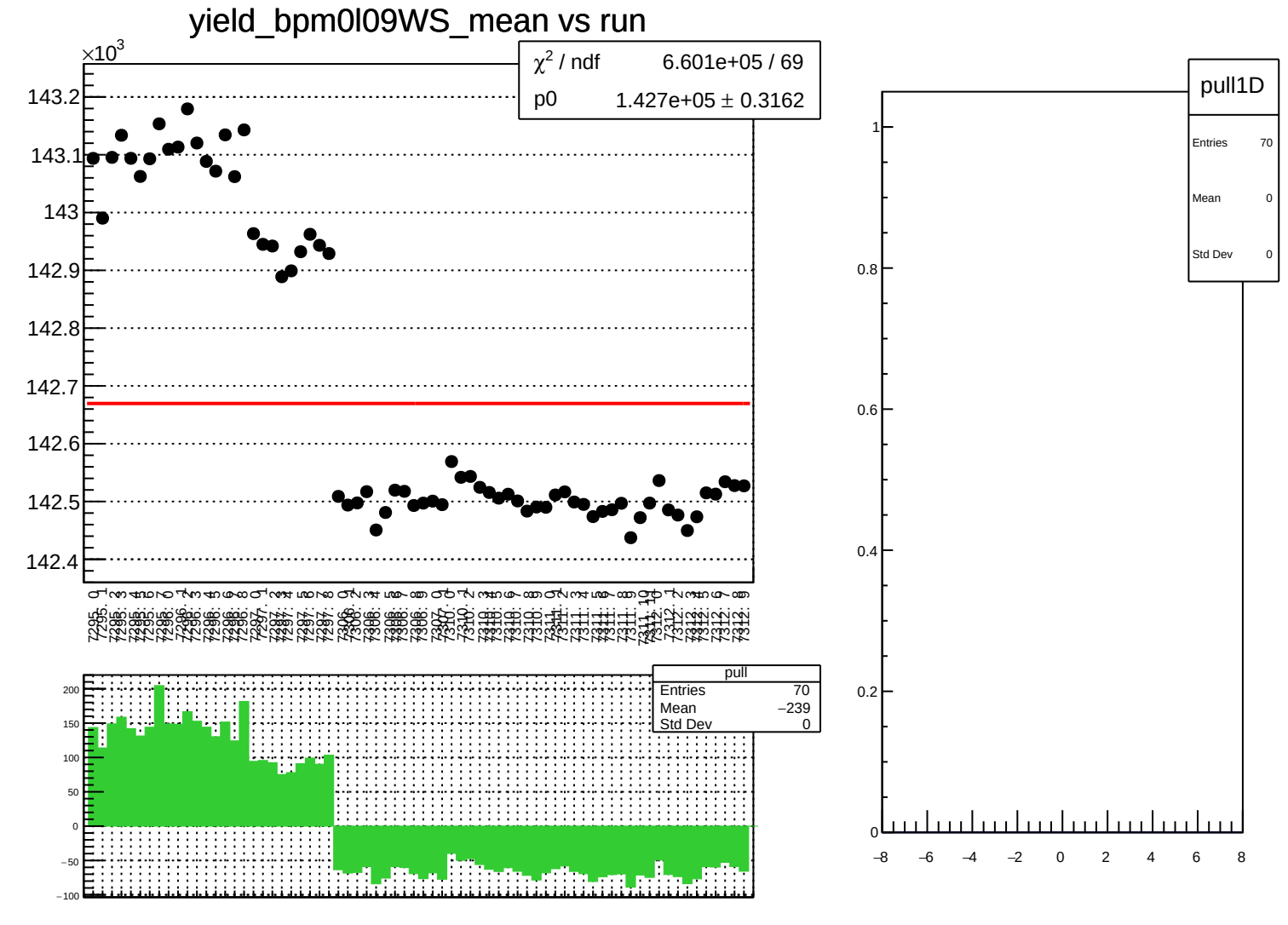

yield_bpm0l06WS_rms vs run
χ² / ndf 7234 / 69
p0 230 ± 0.2009
280
270
260
250
240
230
220
210
200

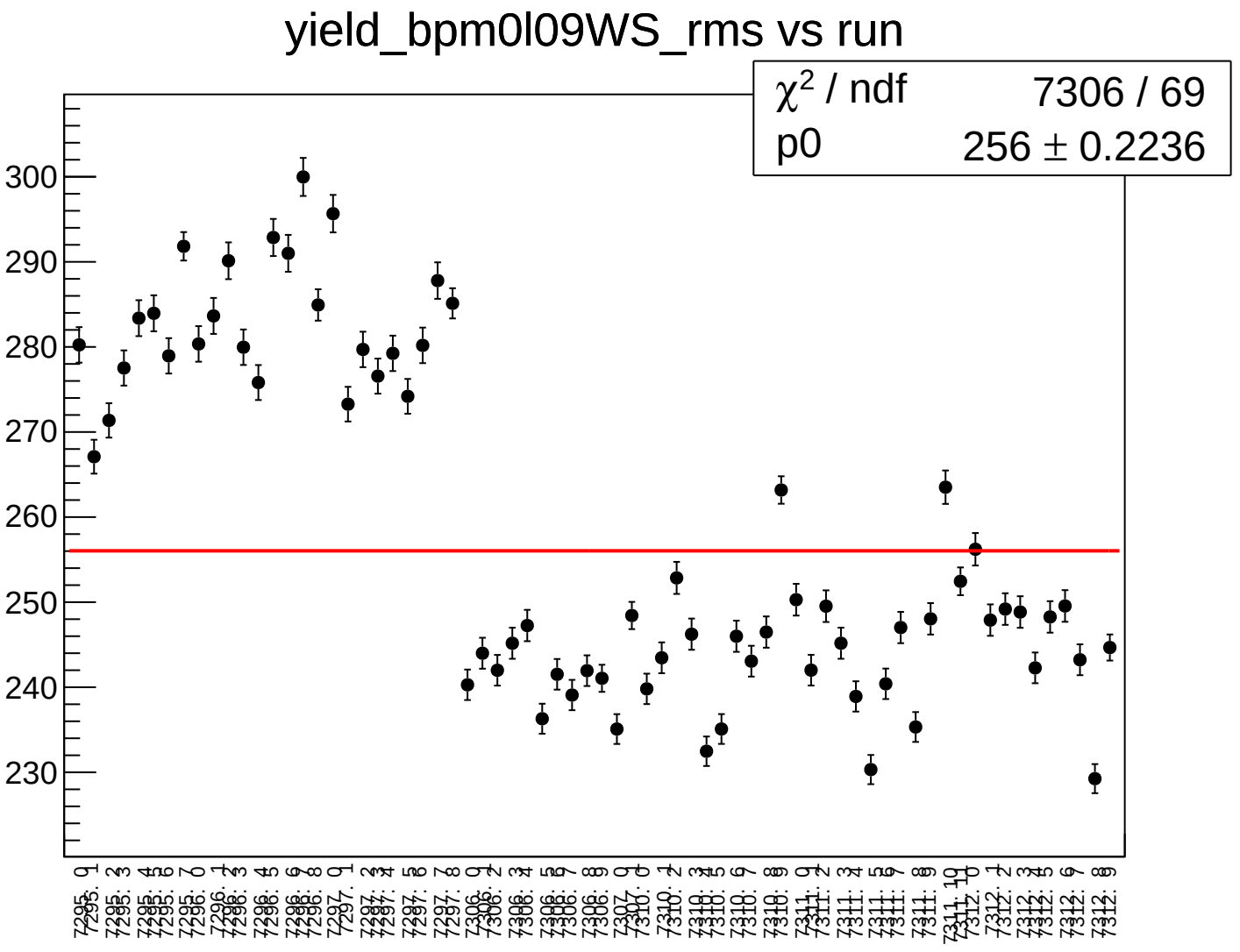

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.735e+06 / 69
p0 1.461e+05 ± 0.3211
146.8
146.6
146.4
146.2
146
145.8
pull
Entries 70
Mean −229.8
Std Dev 0
300
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

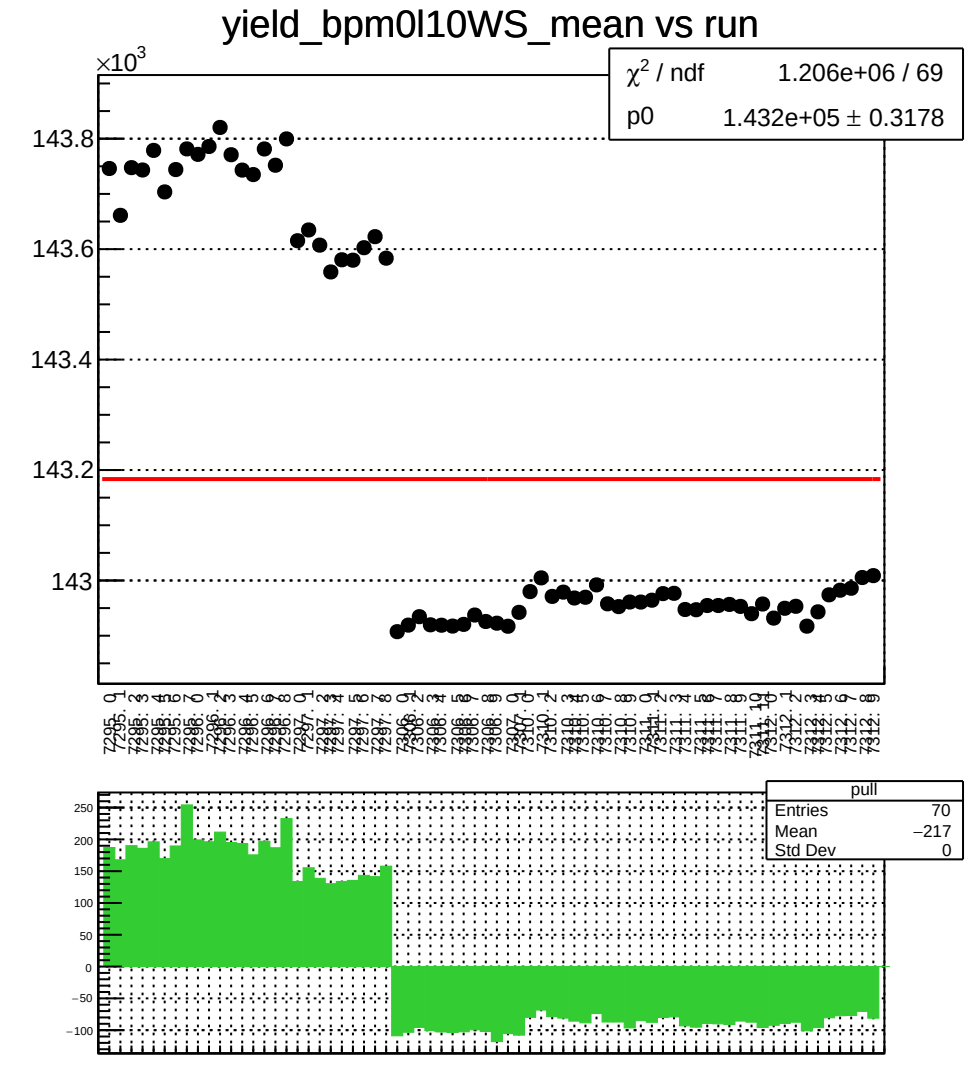

yield_bpm0l07WS_rms vs run
χ^2 / ndf 6958 / 69
p0 260 ± 0.227
310
300
290
280
270
260
250
240
230

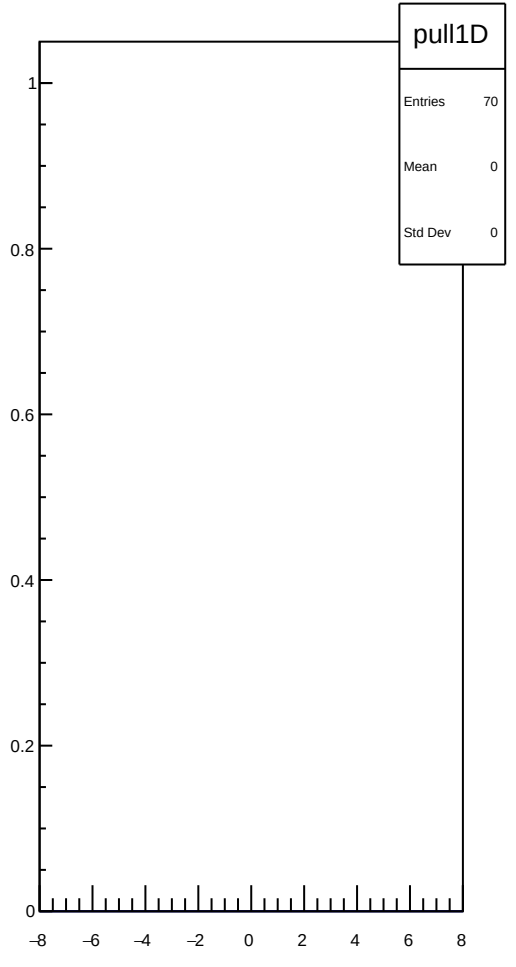

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.127e+06 / 69
p0 1.473e+05 ± 0.3225
148
147.8
147.6
147.4
147.2
147
pull
Entries 70
Mean −237.9
Std Dev 0
250
200
150
100
50
0
−50
−100
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

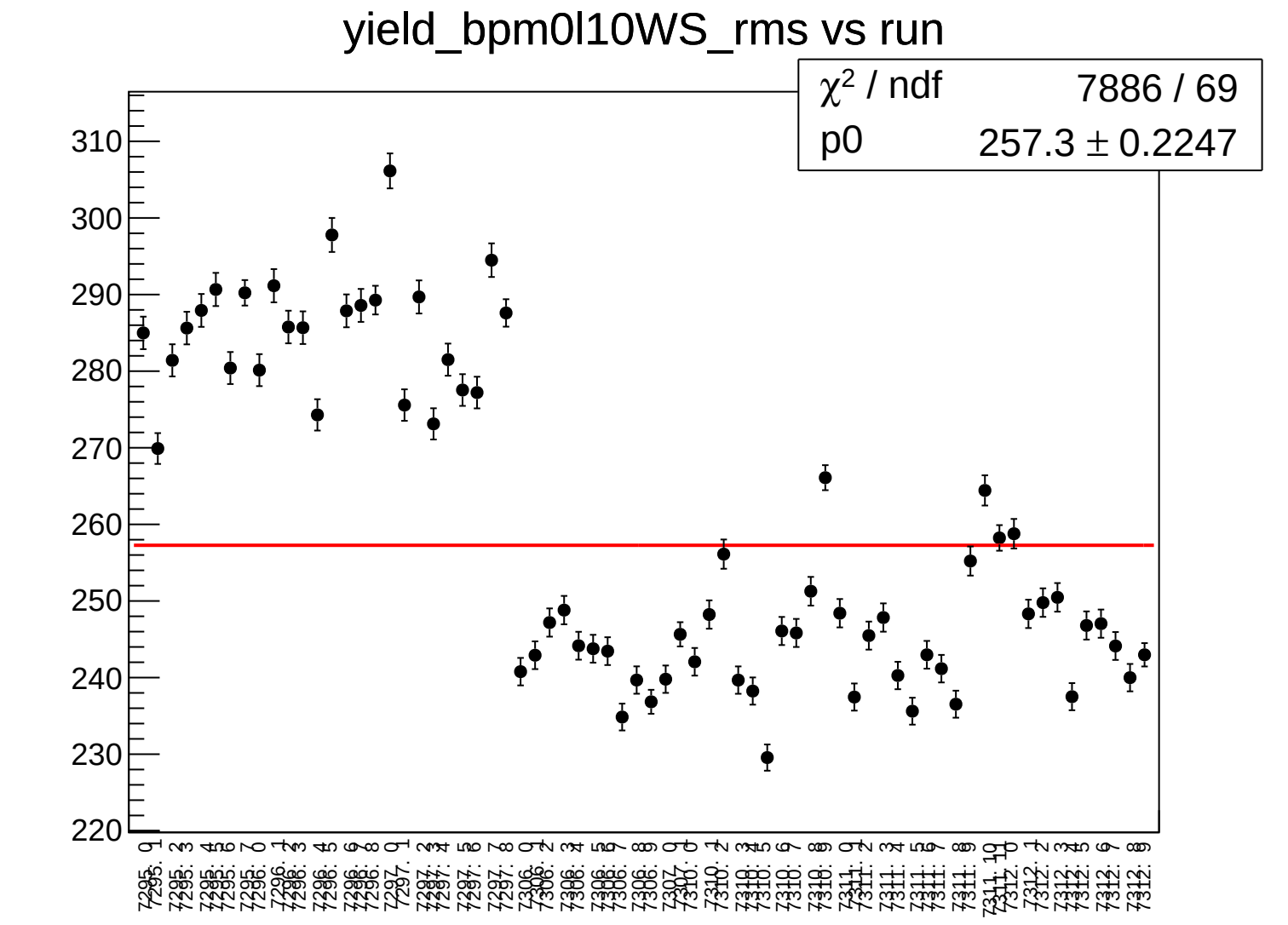

yield_bpm0l08WS_rms vs run
χ² / ndf 7029 / 69
p0 261.2 ± 0.2281
310
300
290
280
270
260
250
240
230

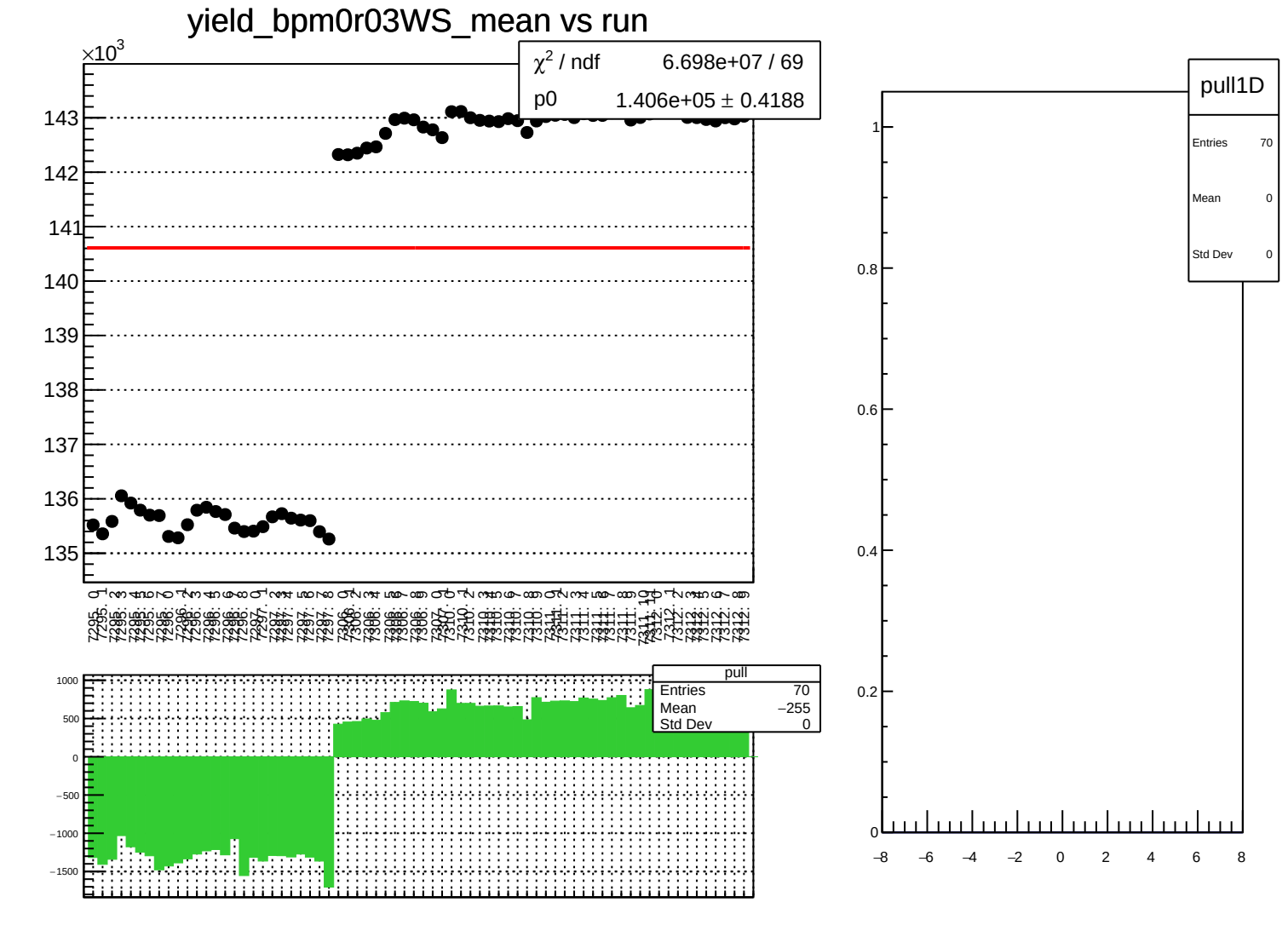

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 6.601e+05 / 69
p0 1.427e+05 ± 0.3162
143.2
143.1
143
142.9
142.8
142.7
142.6
142.5
142.4
pull
Entries 70
Mean −239
Std Dev 0
200
150
100
50
0
−50
−100
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

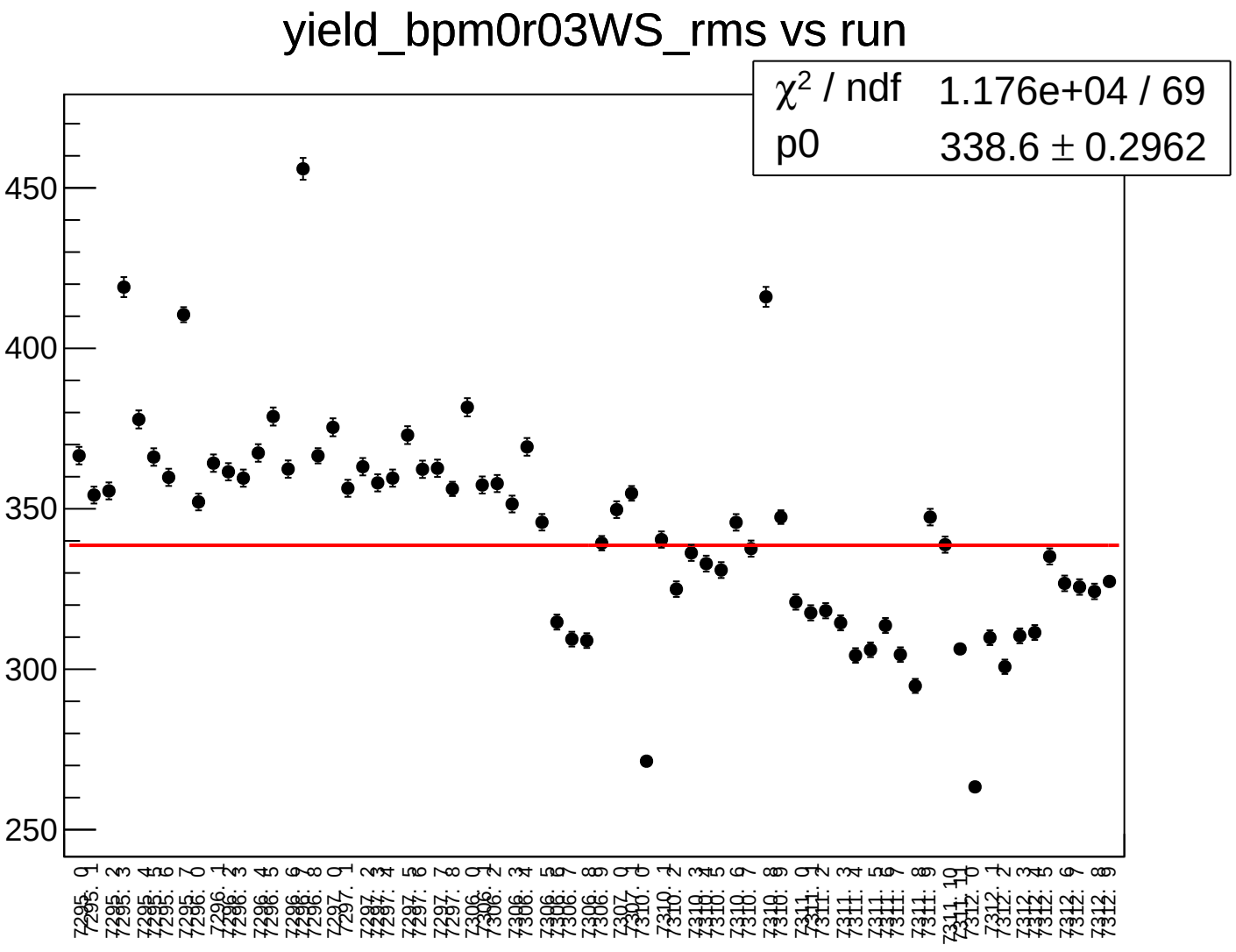

yield_bpm0l09WS_rms vs run
χ² / ndf 7306 / 69
p0 256 ± 0.2236
300
290
280
270
260
250
240
230

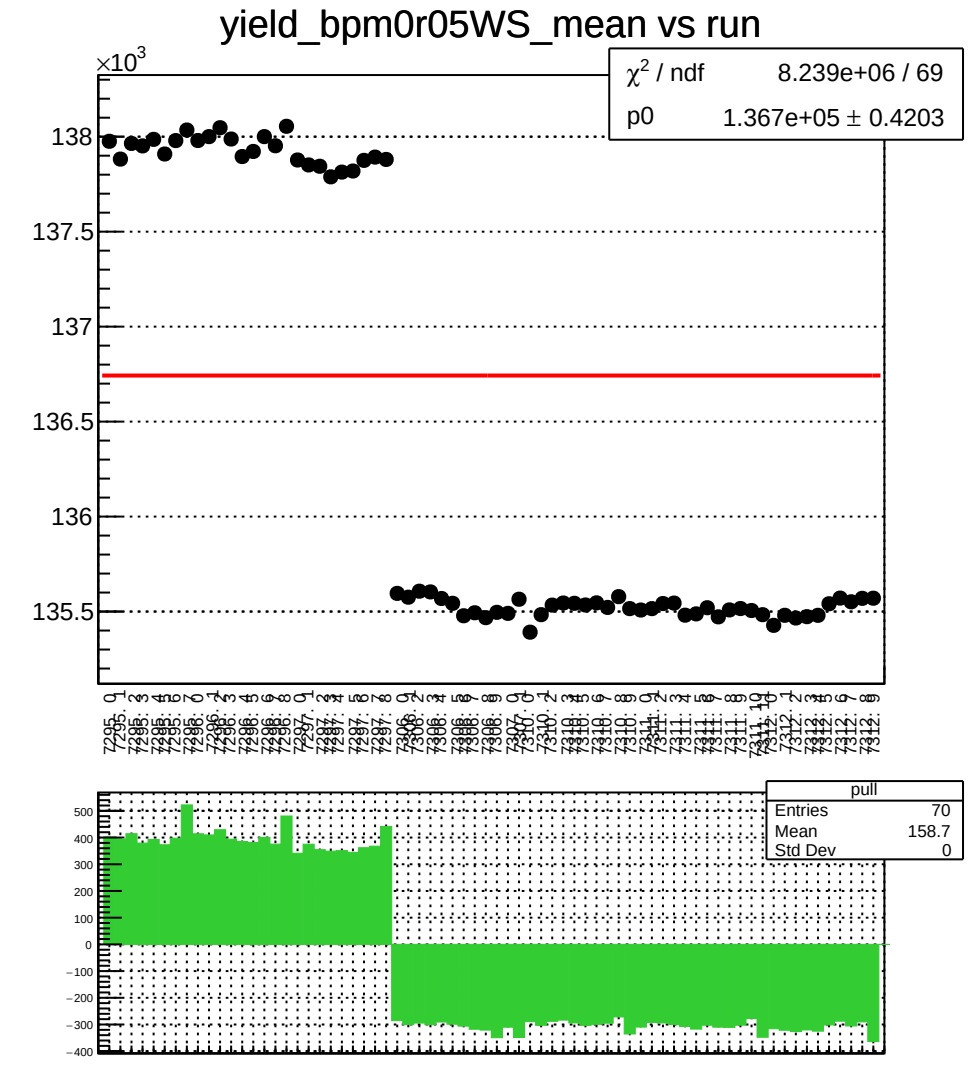

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.206e+06 / 69
p0 1.432e+05 ± 0.3178
143.8
143.6
143.4
143.2
143
pull
Entries 70
Mean −217
Std Dev 0
250
200
150
100
50
0
−50
−100

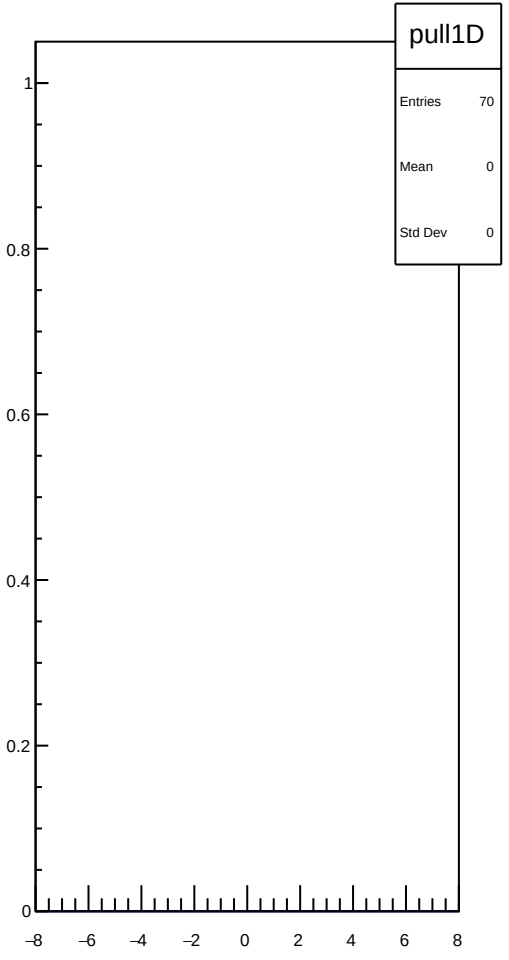

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

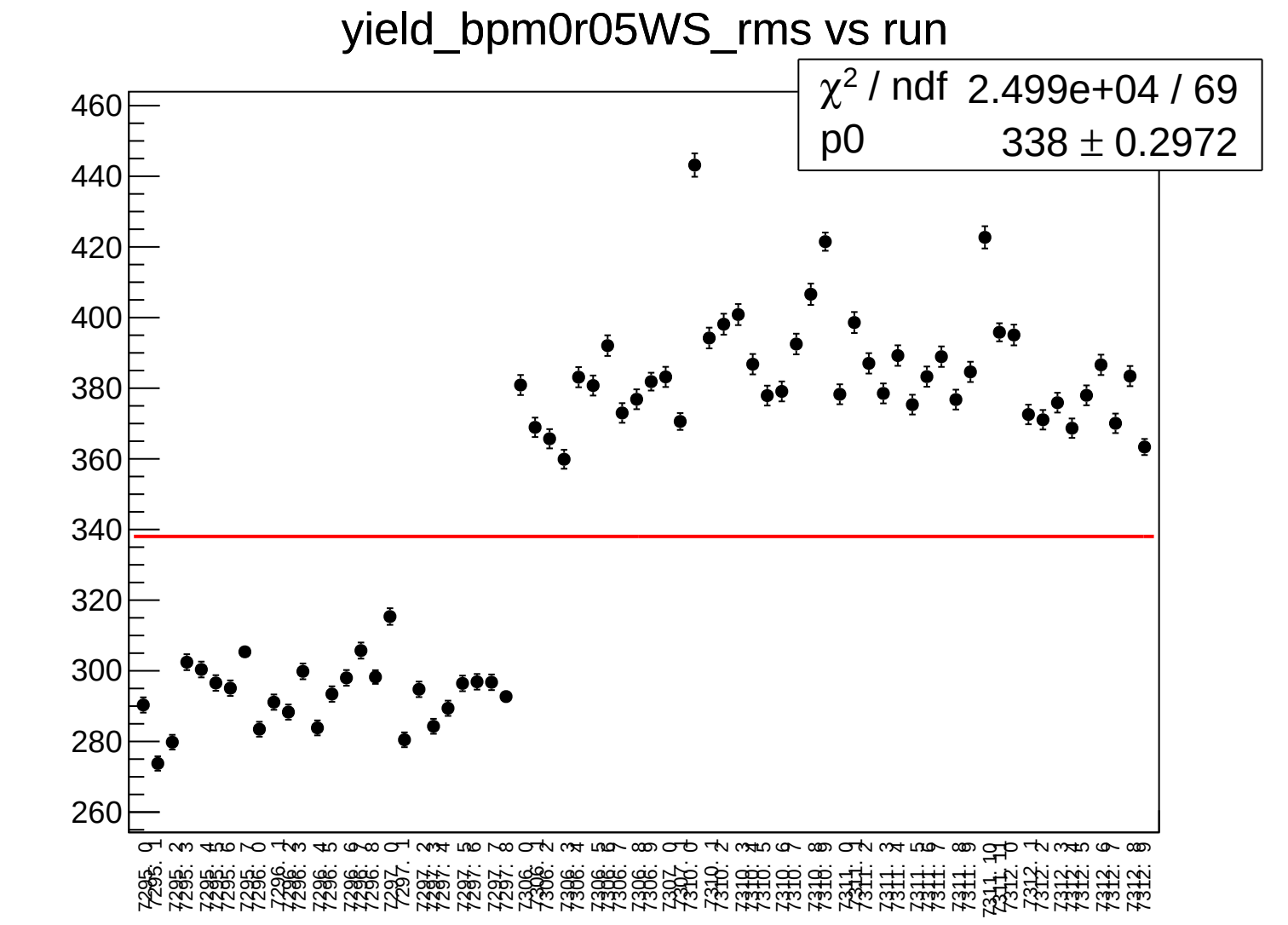

yield_bpm0l10WS_rms vs run
χ² / ndf 7886 / 69
p0 257.3 ± 0.2247
310
300
290
280
270
260
250
240
230
220

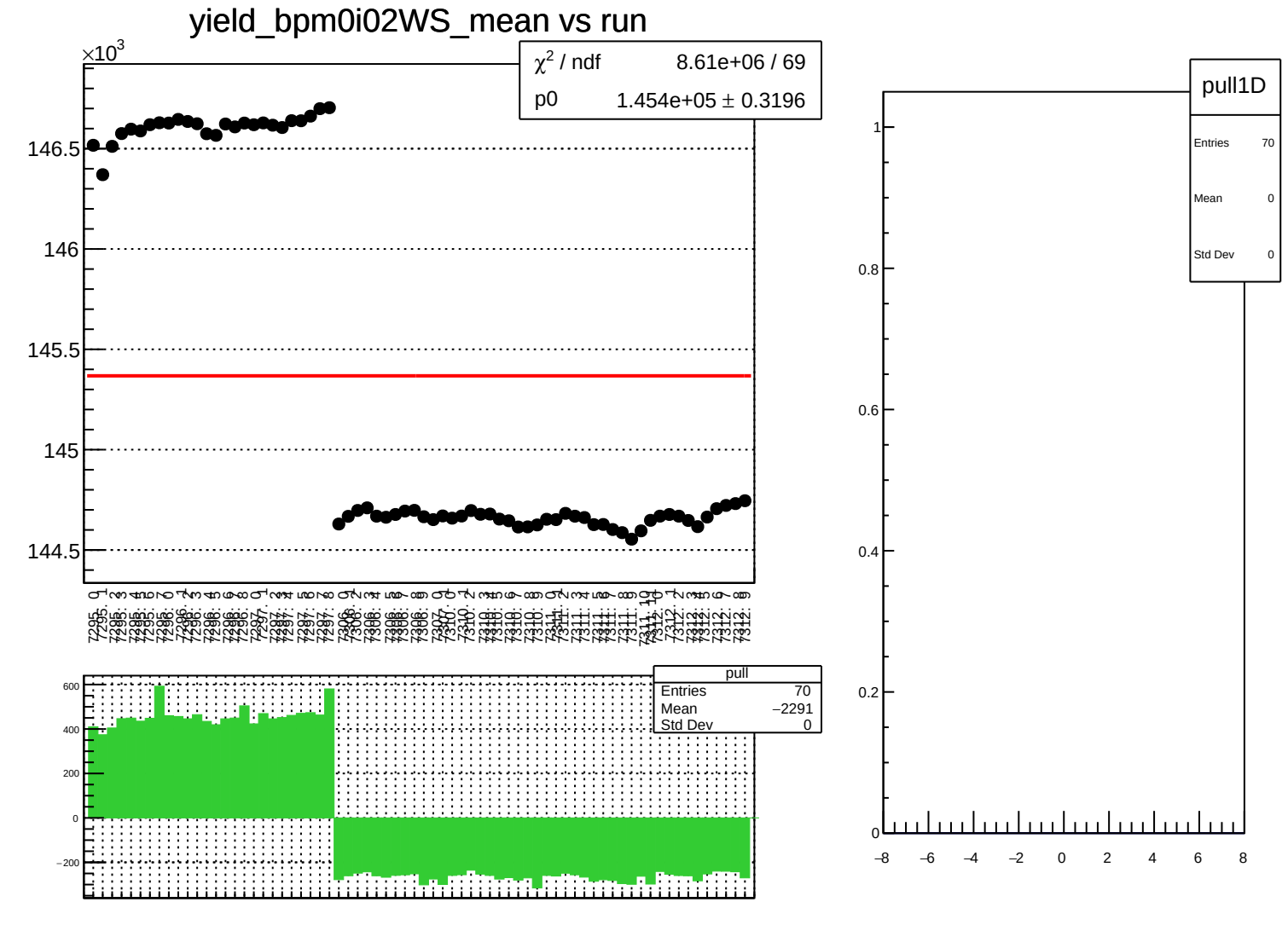

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 6.698e+07 / 69
p0 1.406e+05 ± 0.4188
143
142
141
140
139
138
137
136
135
pull
Entries 70
Mean −255
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

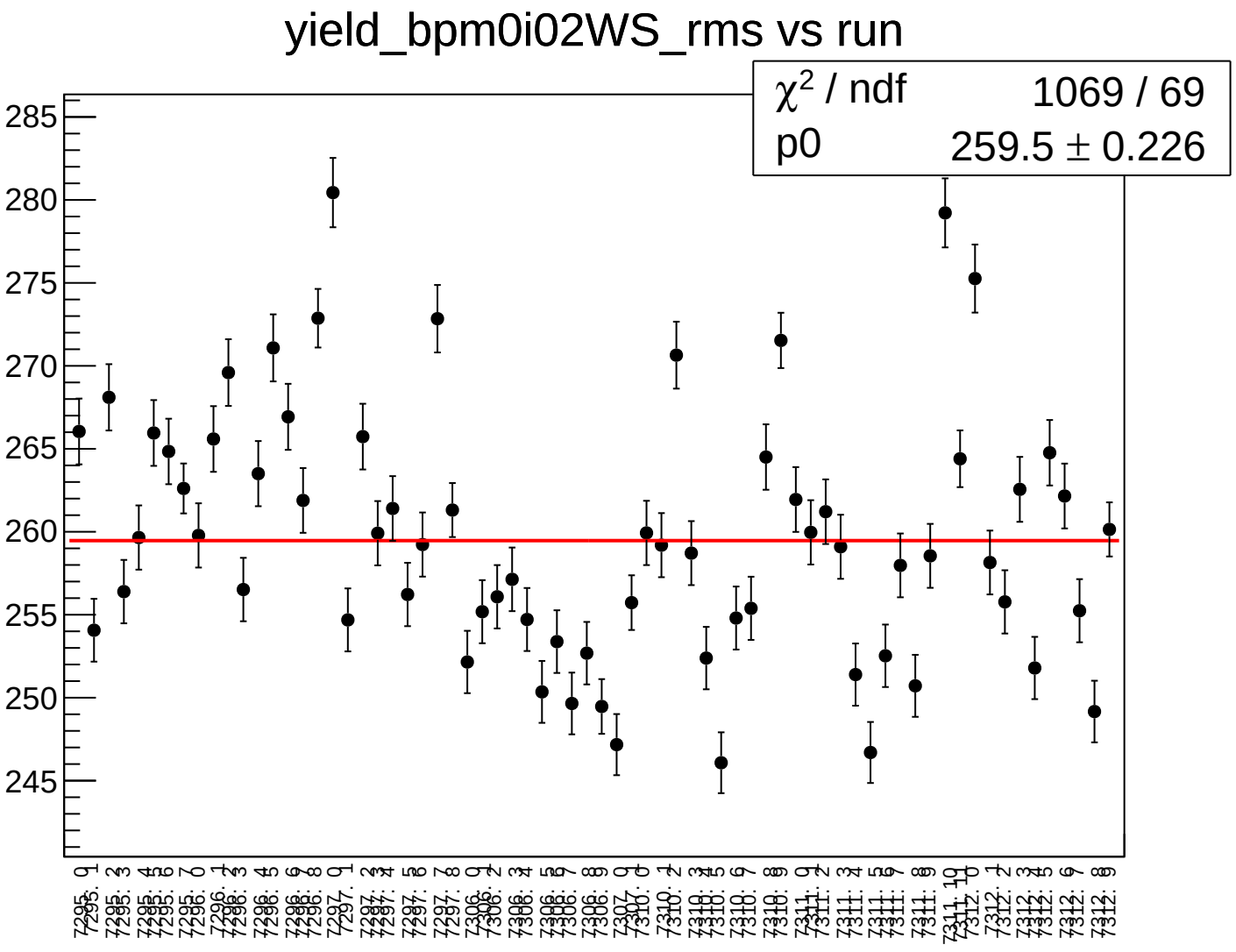

yield_bpm0r03WS_rms vs run
χ² / ndf 1.176e+04 / 69
p0 338.6 ± 0.2962
450
400
350
300
250

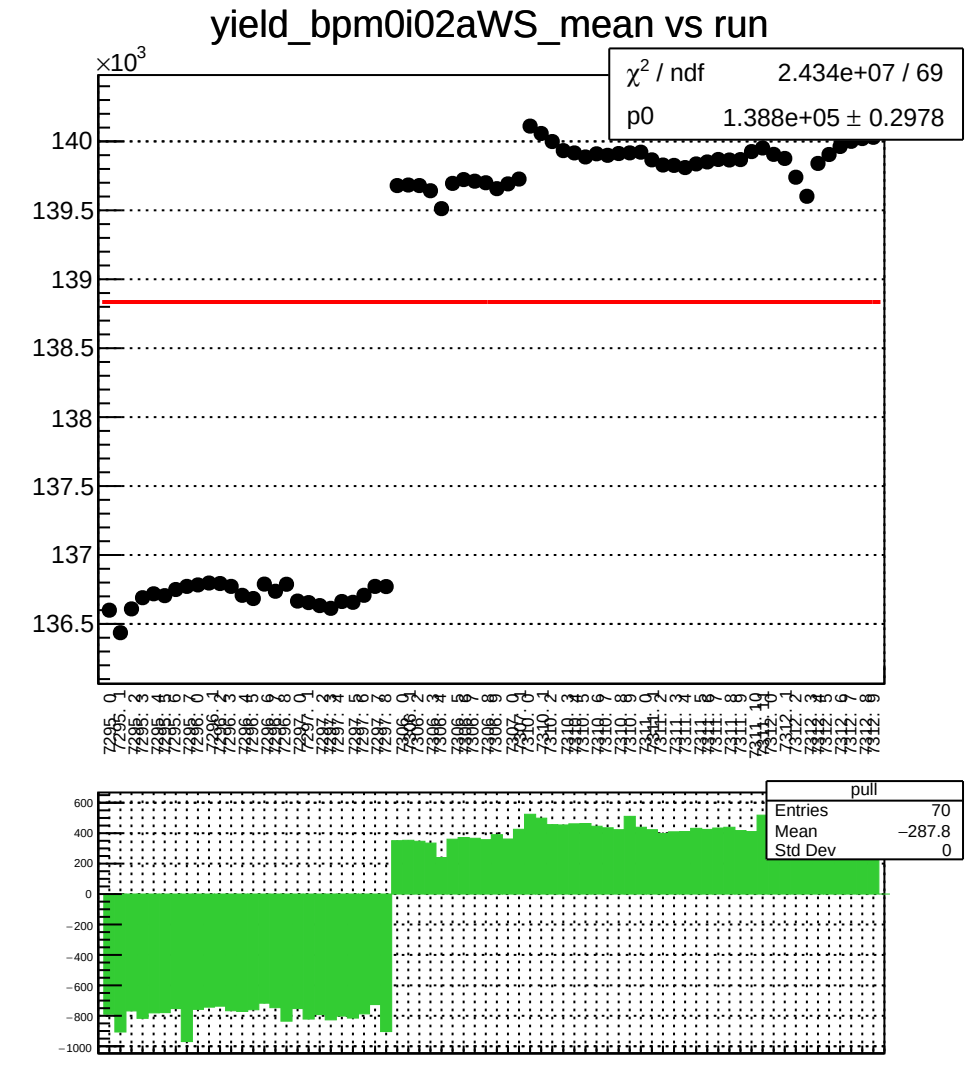

yield_bpm0r05WS_mean vs run
×10^3
χ^2 / ndf 8.239e+06 / 69
p0 1.367e+05 ± 0.4203
138
137.5
137
136.5
136
135.5
pull
Entries 70
Mean 158.7
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

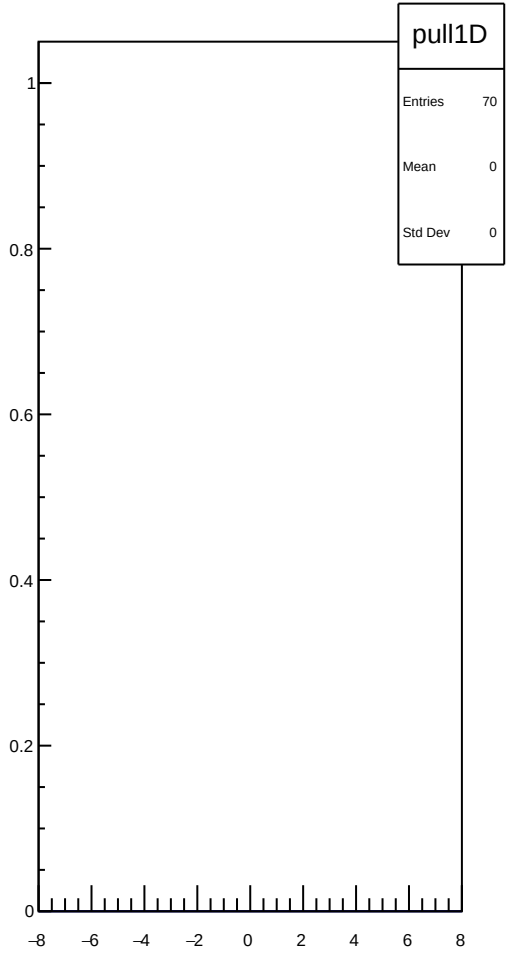

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

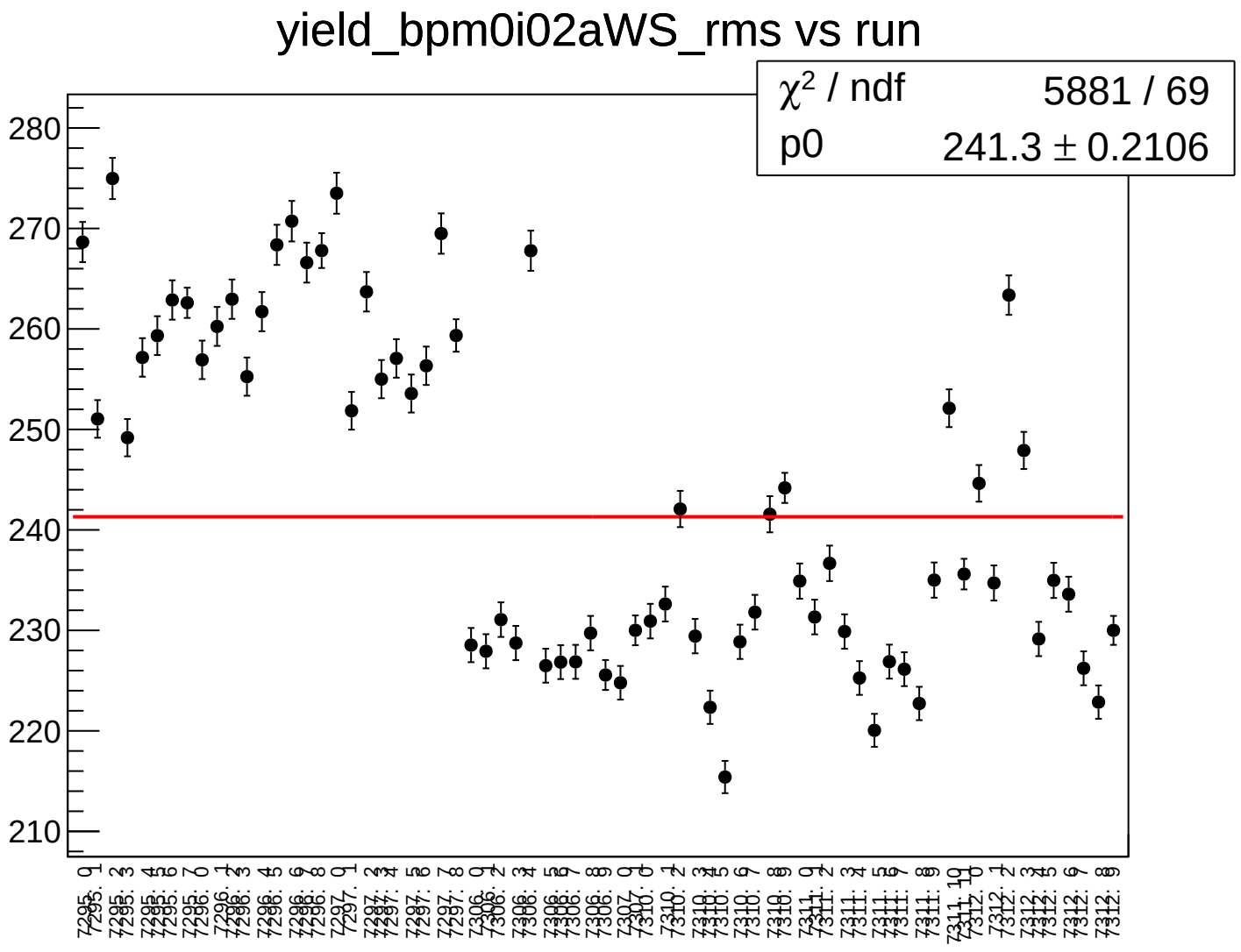

yield_bpm0r05WS_rms vs run
χ² / ndf 2.499e+04 / 69
p0 338 ± 0.2972
460
440
420
400
380
360
340
320
300
280
260

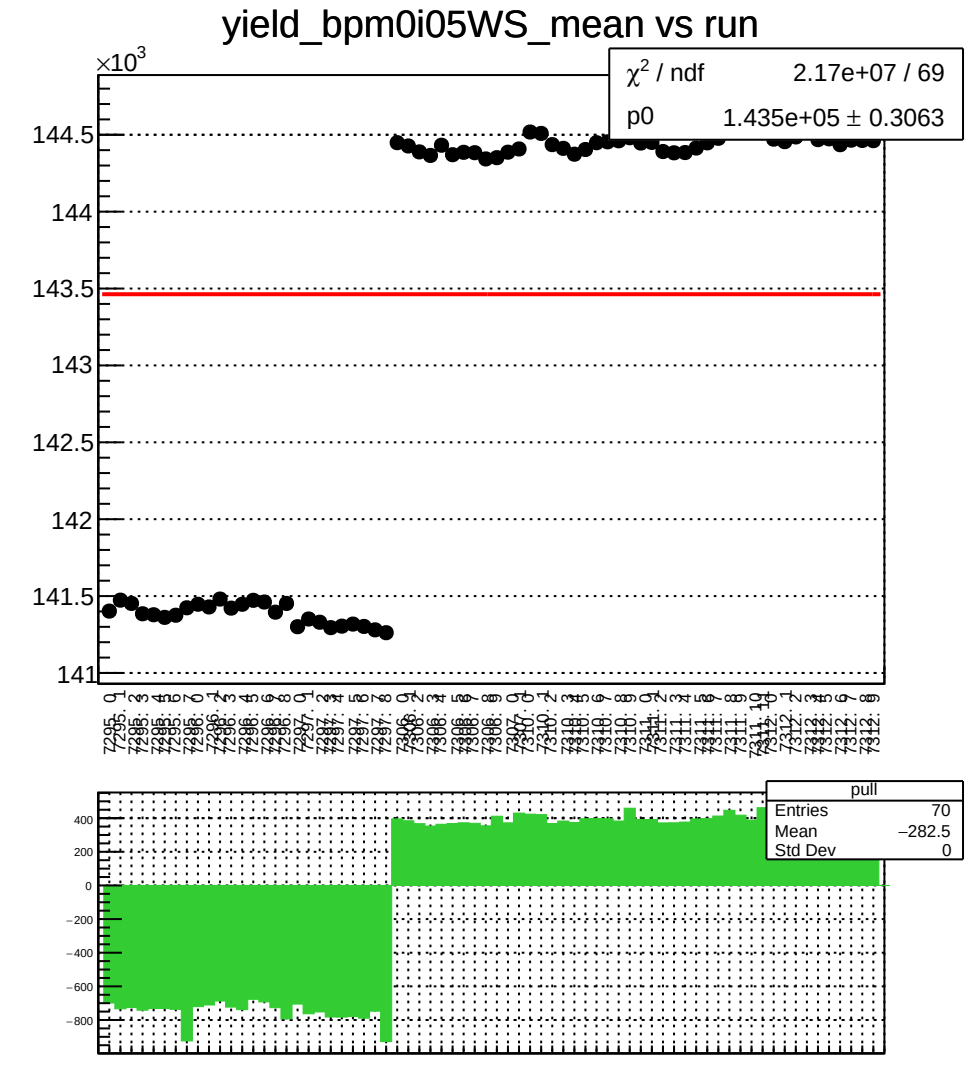

yield_bpm0i02WS_mean vs run
×10^3
χ^2 / ndf 8.61e+06 / 69
p0 1.454e+05 ± 0.3196
146.5
146
145.5
145
144.5
pull
Entries 70
Mean −2291
Std Dev 0
600
400
200
0
−200
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

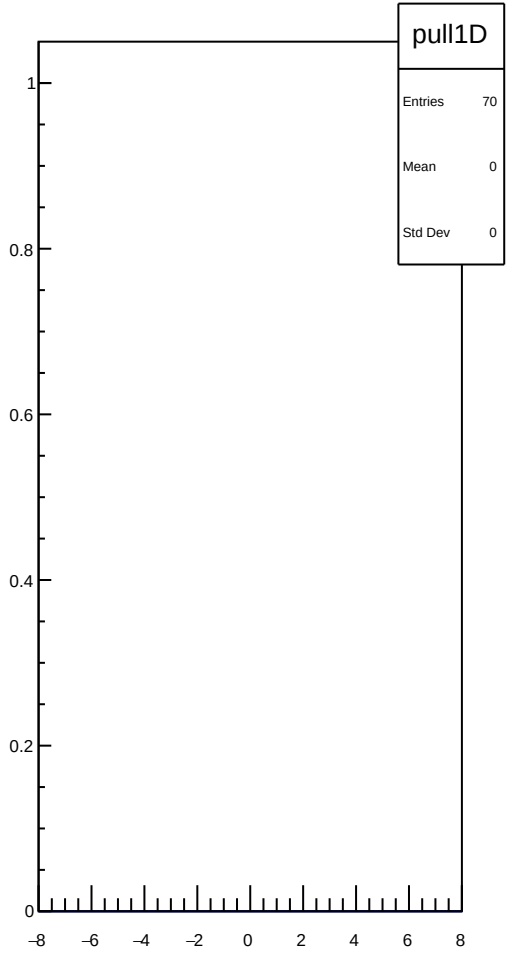

yield_bpm0i02WS_rms vs run
χ² / ndf 1069 / 69
p0 259.5 ± 0.226
285
280
275
270
265
260
255
250
245

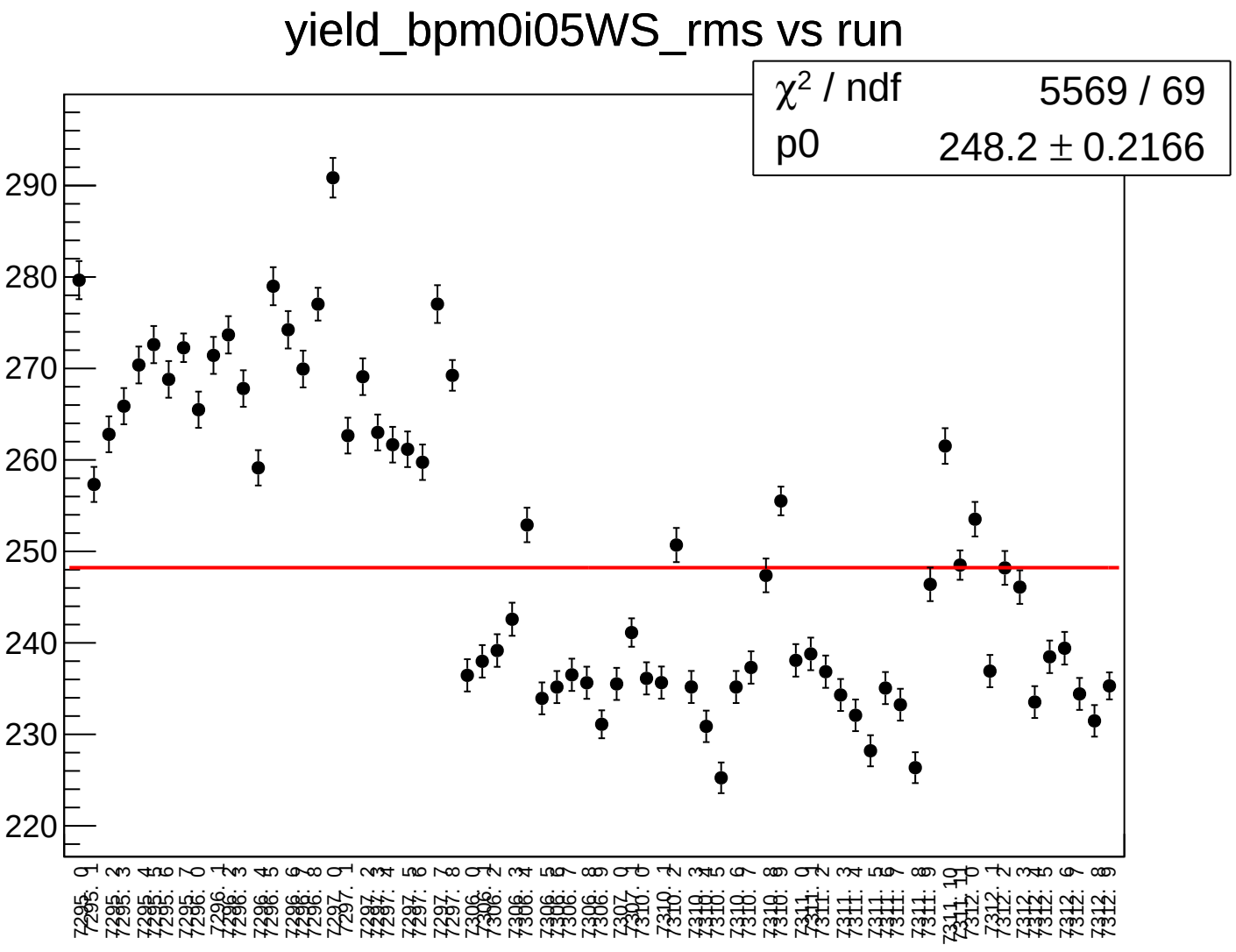

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.434e+07 / 69
p0 1.388e+05 ± 0.2978
140
139.5
139
138.5
138
137.5
137
136.5
pull
Entries 70
Mean −287.8
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000

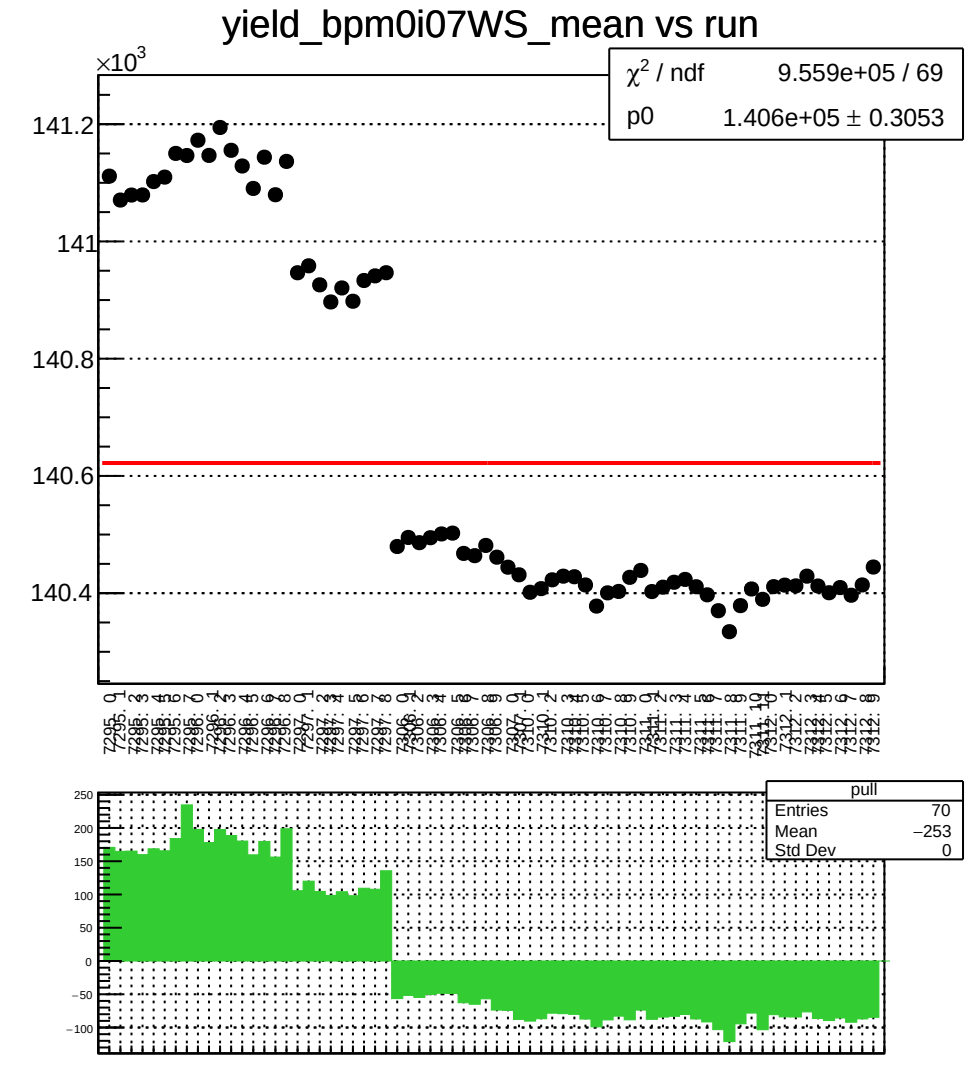

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

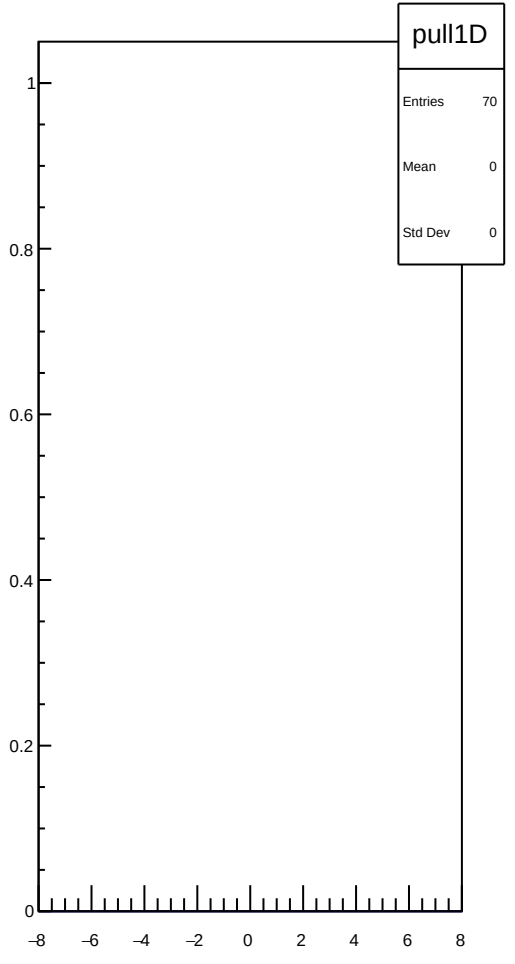

yield_bpm0i02aWS_rms vs run
χ² / ndf 5881 / 69
p0 241.3 ± 0.2106
280
270
260
250
240
230
220
210

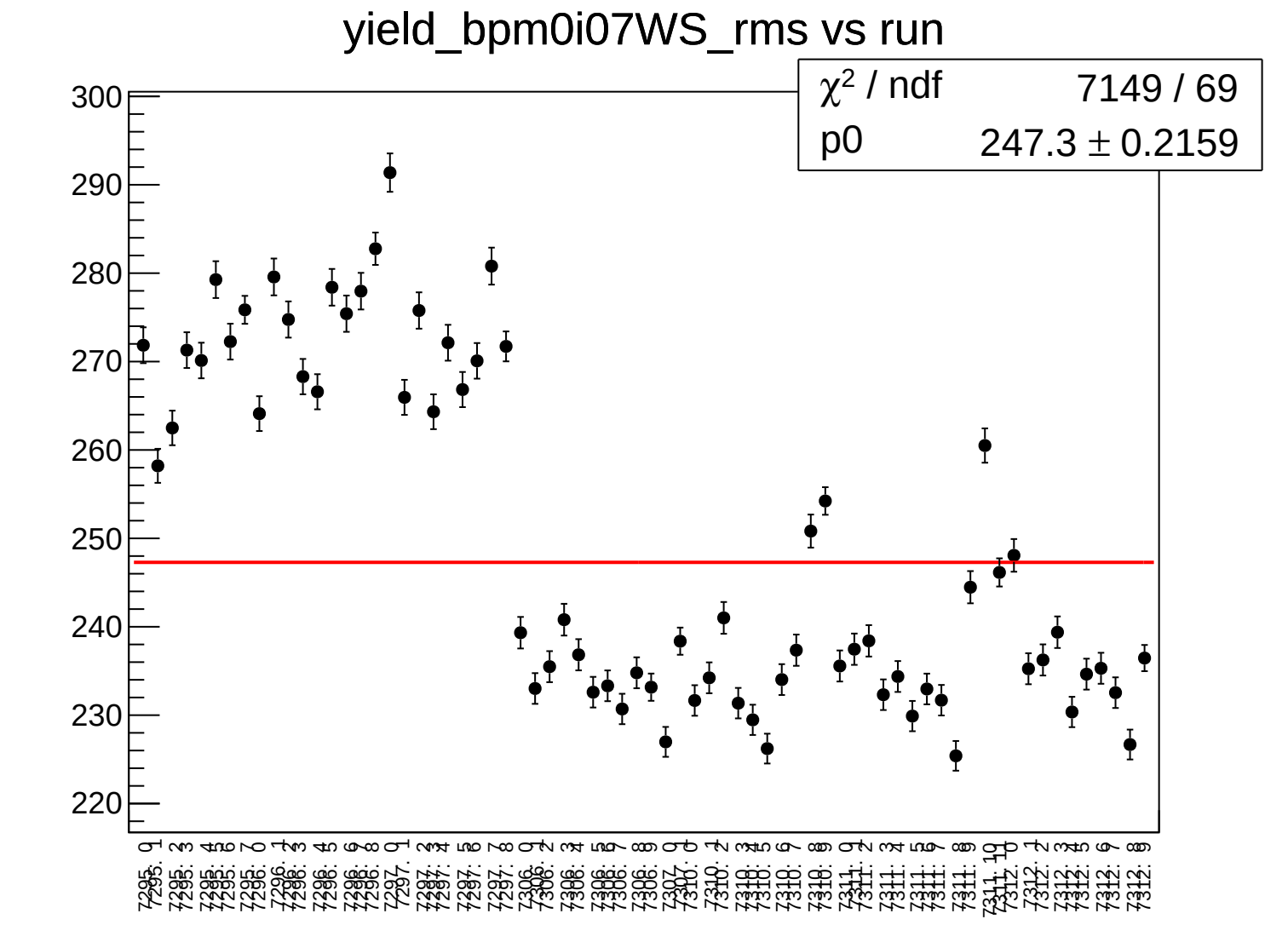

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 2.17e+07 / 69
p0 1.435e+05 ± 0.3063
144.5
144
143.5
143
142.5
142
141.5
141
pull
Entries 70
Mean −282.5
Std Dev 0
400
200
0
−200
−400
−600
−800

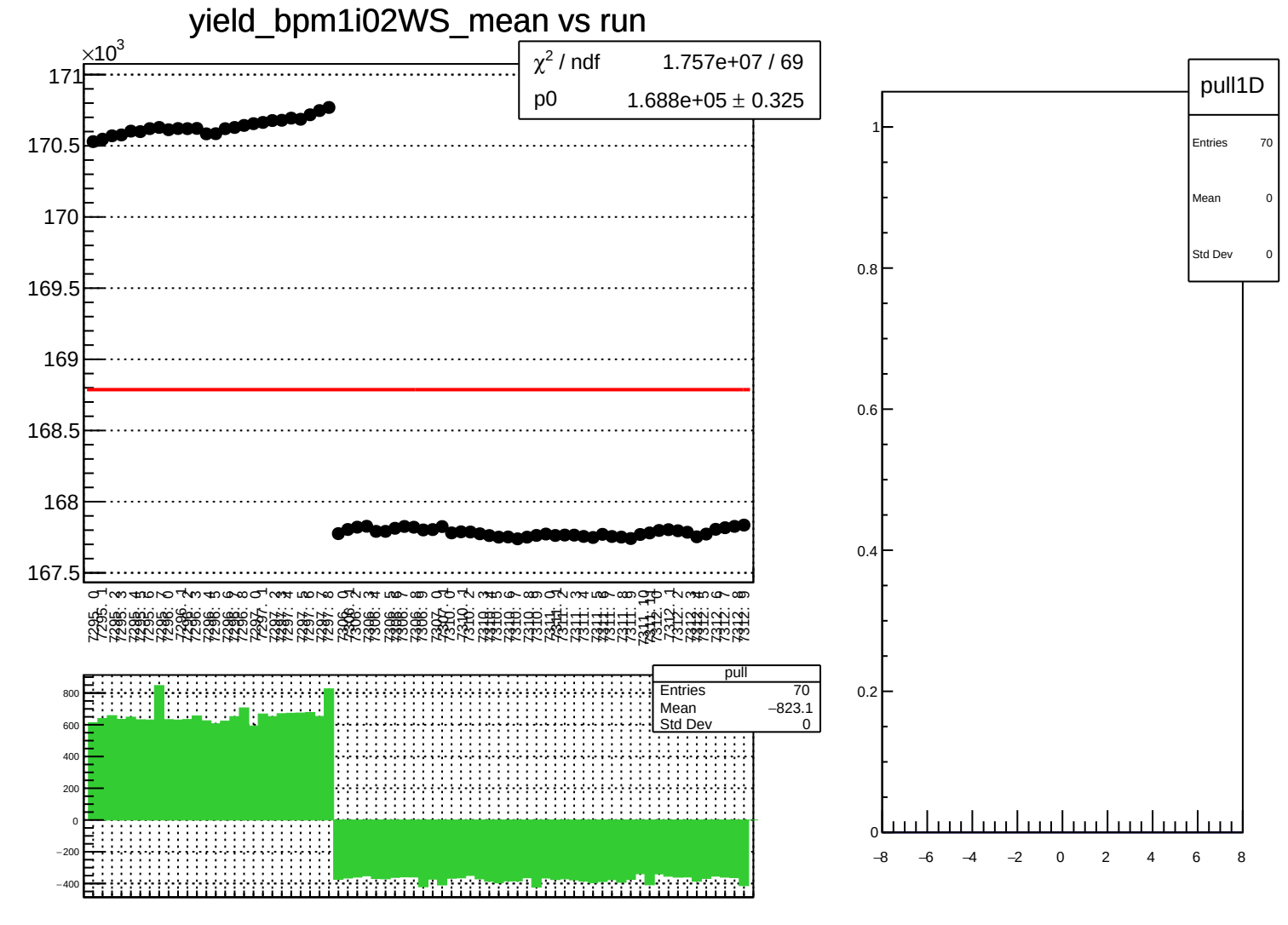

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

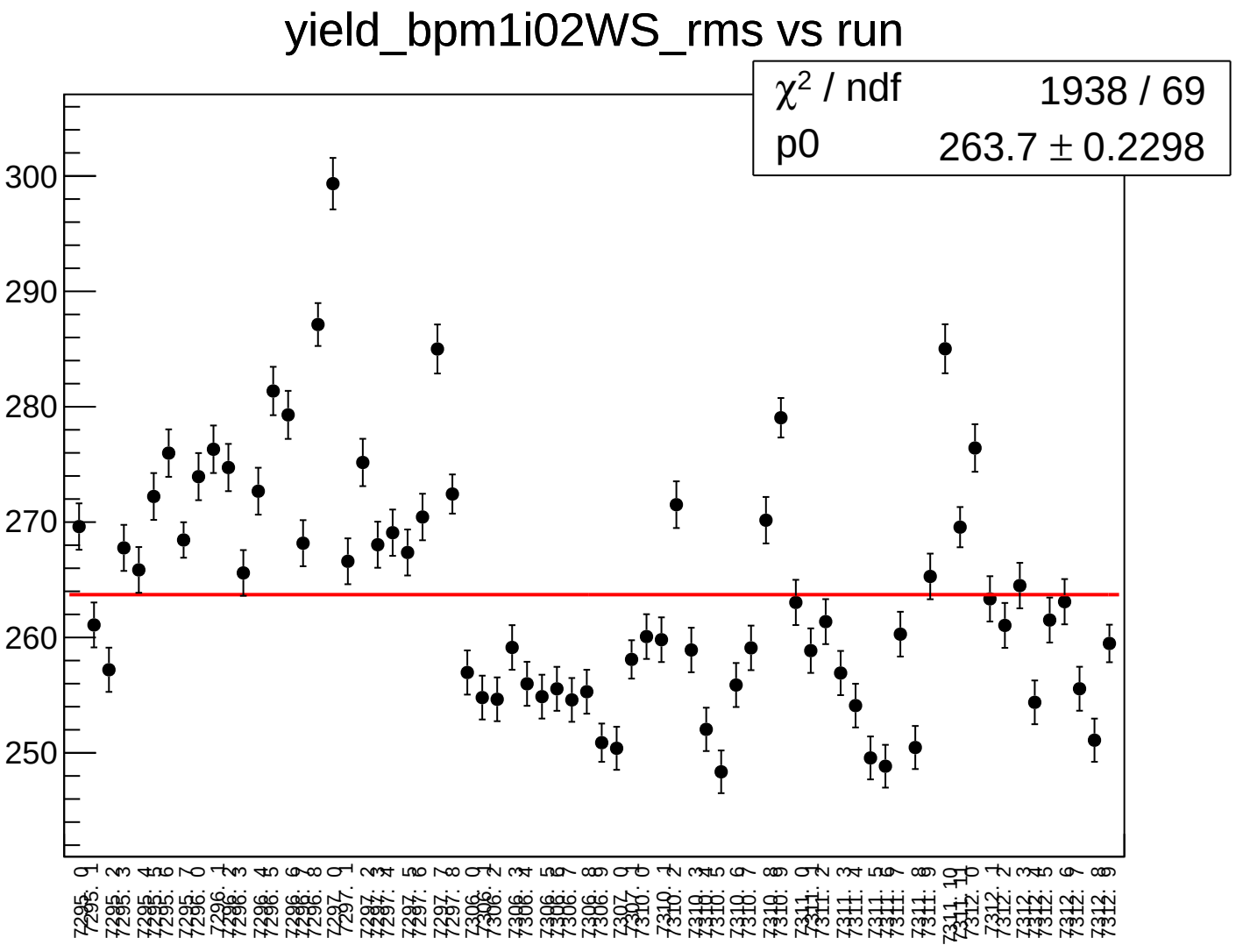

yield_bpm0i05WS_rms vs run
χ² / ndf 5569 / 69
p0 248.2 ± 0.2166
290
280
270
260
250
240
230
220

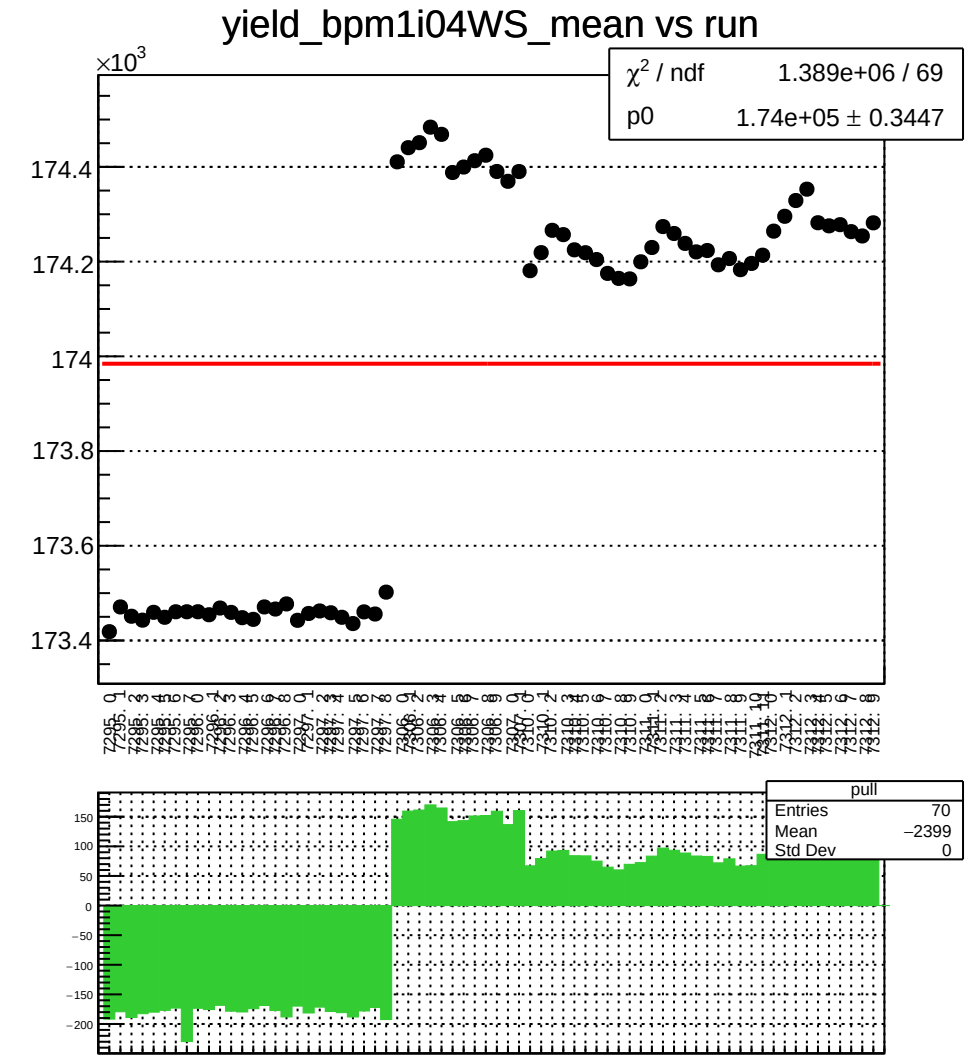

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.559e+05 / 69
p0 1.406e+05 ± 0.3053
141.2
141
140.8
140.6
140.4
pull
Entries 70
Mean −253
Std Dev 0
250
200
150
100
50
0
−50
−100

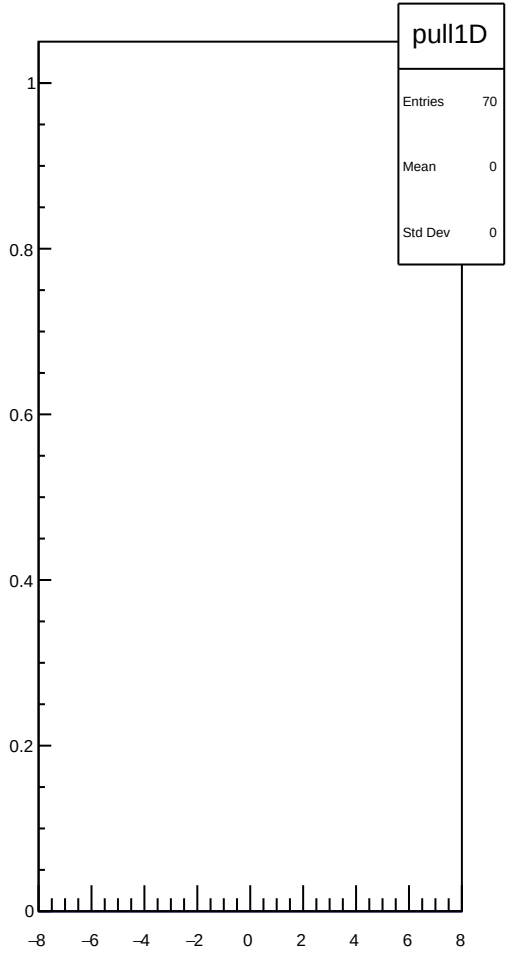

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

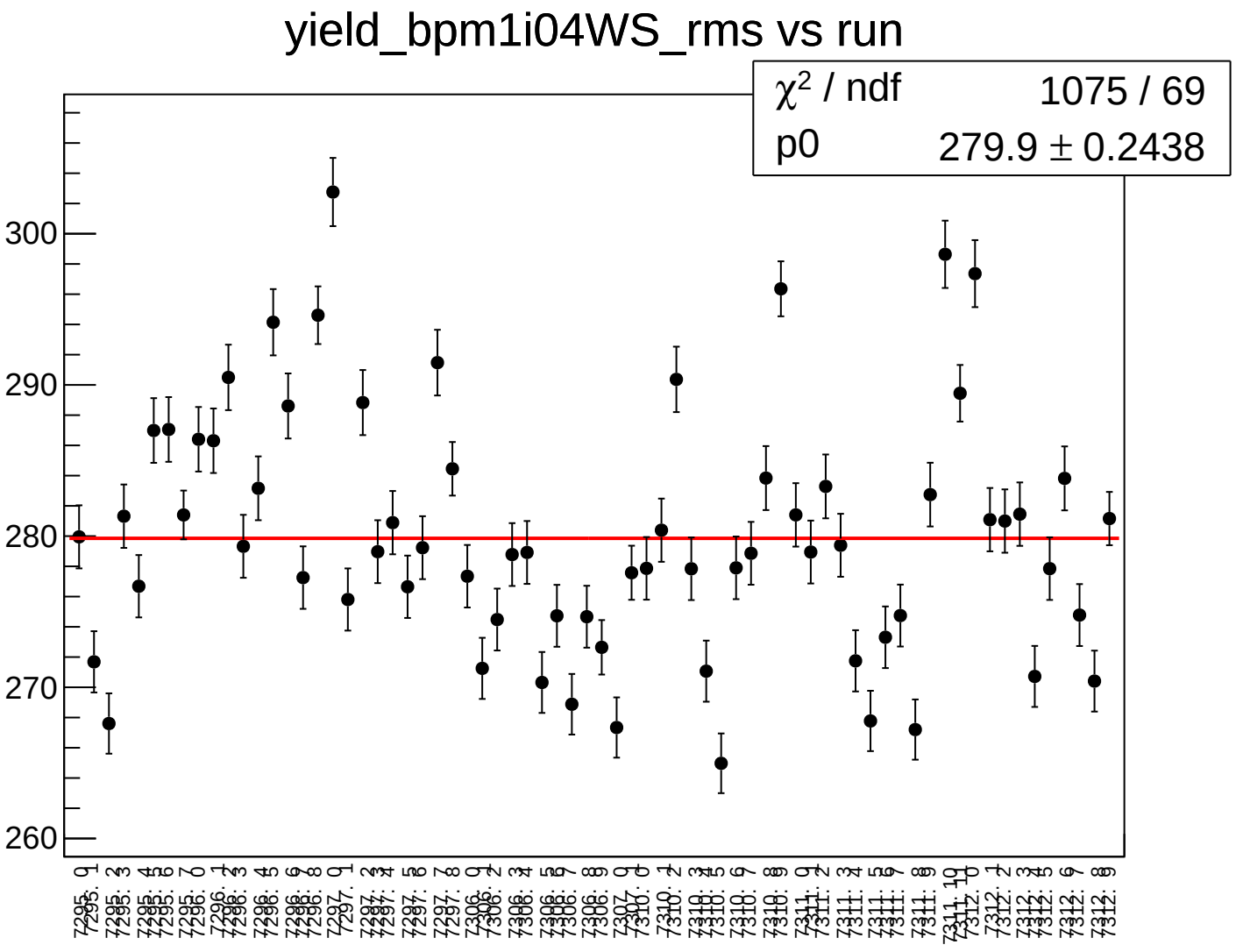

yield_bpm0i07WS_rms vs run
χ² / ndf 7149 / 69
p0 247.3 ± 0.2159
300
290
280
270
260
250
240
230
220

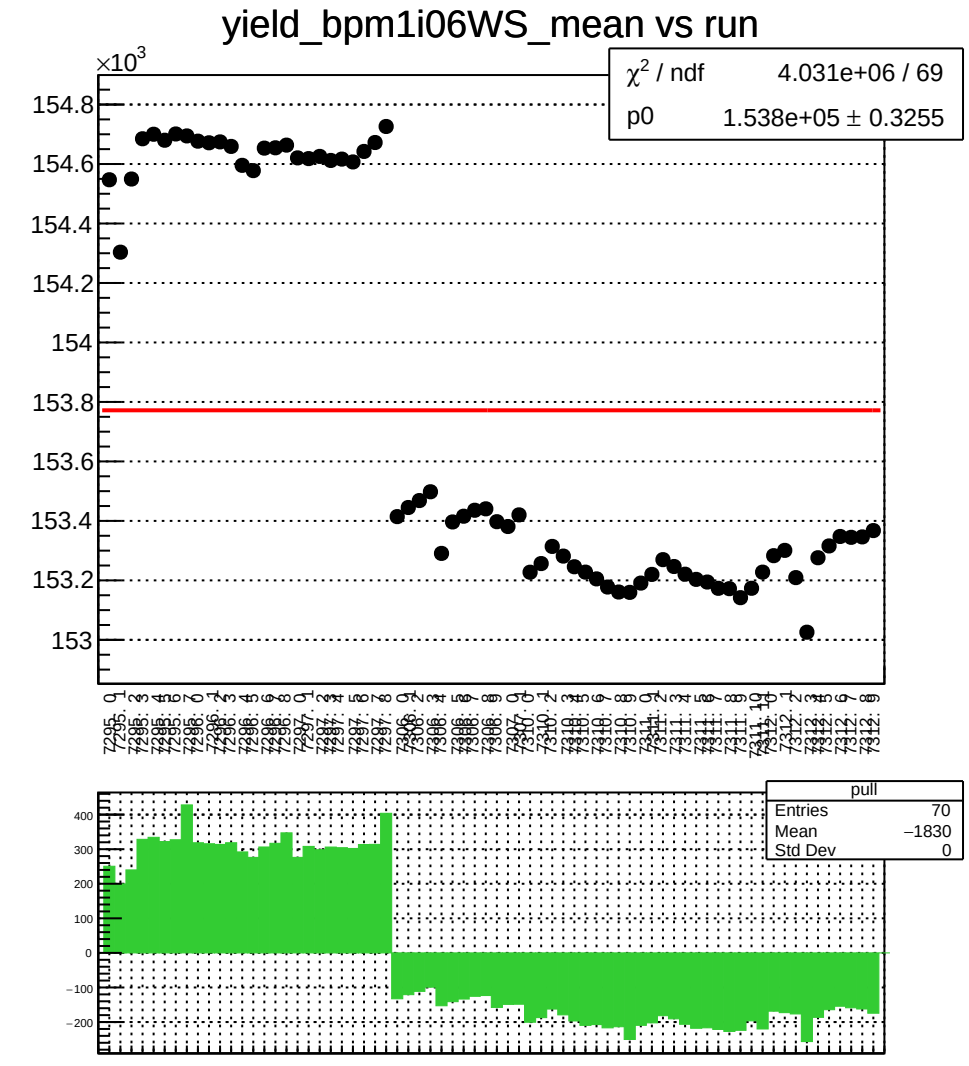

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.757e+07 / 69
p0 1.688e+05 ± 0.325
171
170.5
170
169.5
169
168.5
168
167.5
pull
Entries 70
Mean −823.1
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

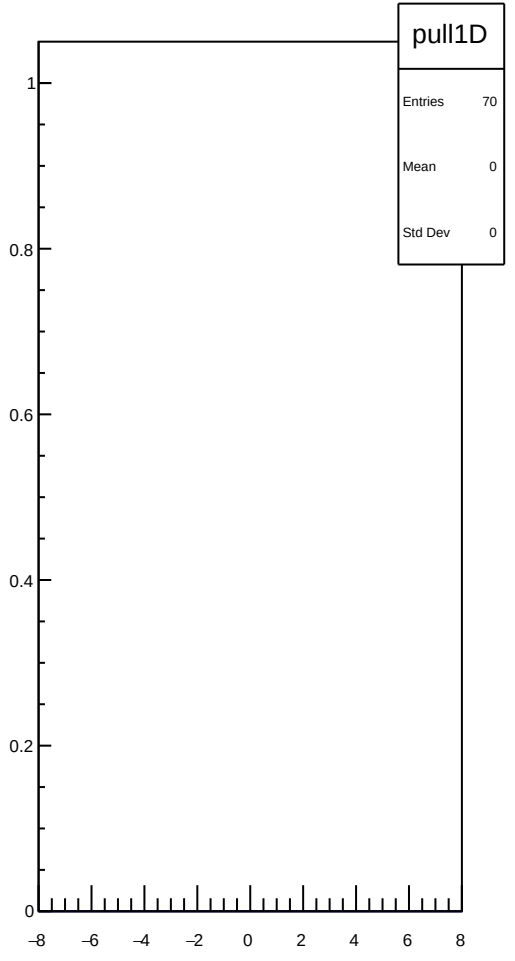

yield_bpm1i02WS_rms vs run
χ² / ndf 1938 / 69
p0 263.7 ± 0.2298
300
290
280
270
260
250

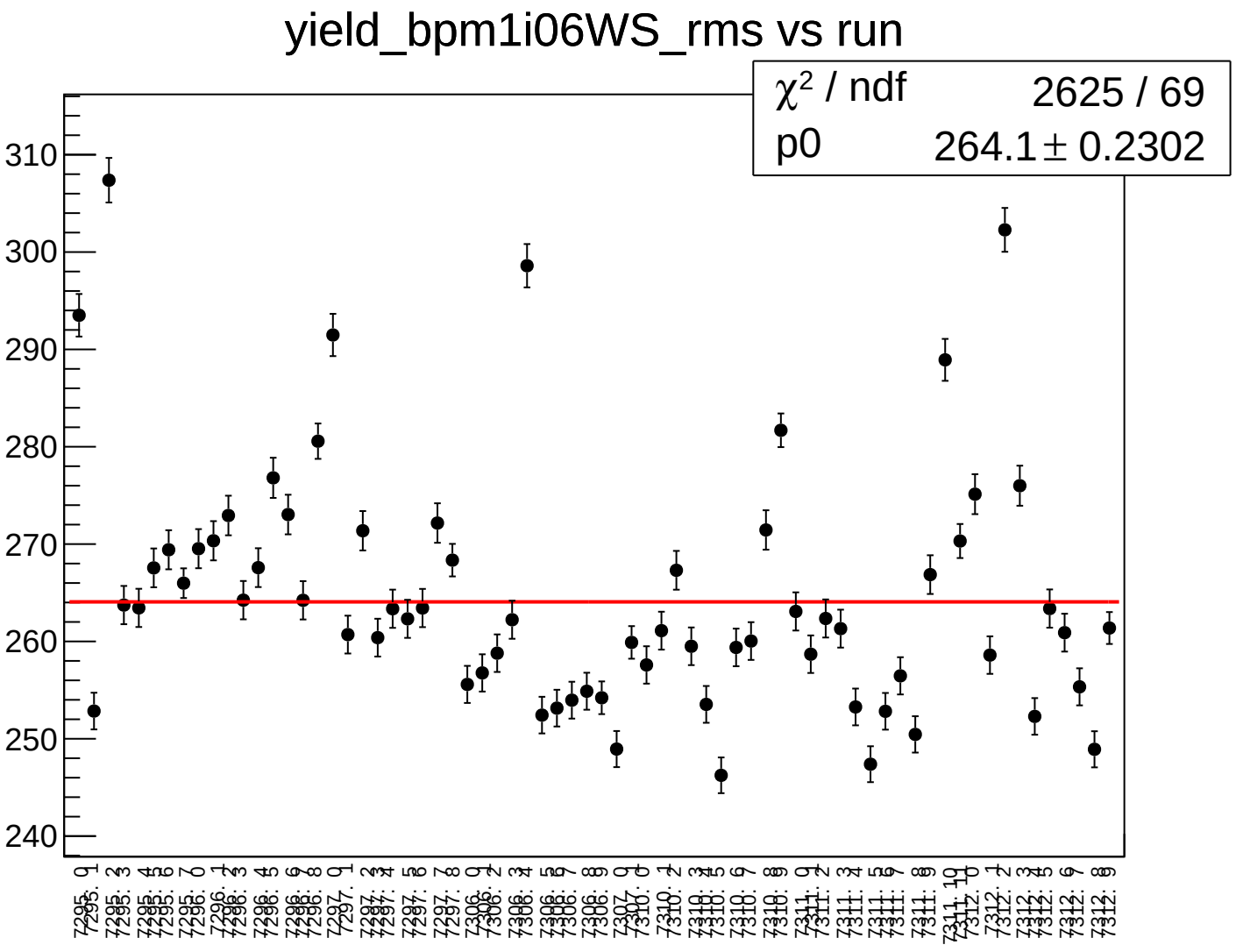

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.389e+06 / 69
p0 1.74e+05 ± 0.3447
174.4
174.2
174
173.8
173.6
173.4
pull
Entries 70
Mean −2399
Std Dev 0
150
100
50
0
−50
−100
−150
−200

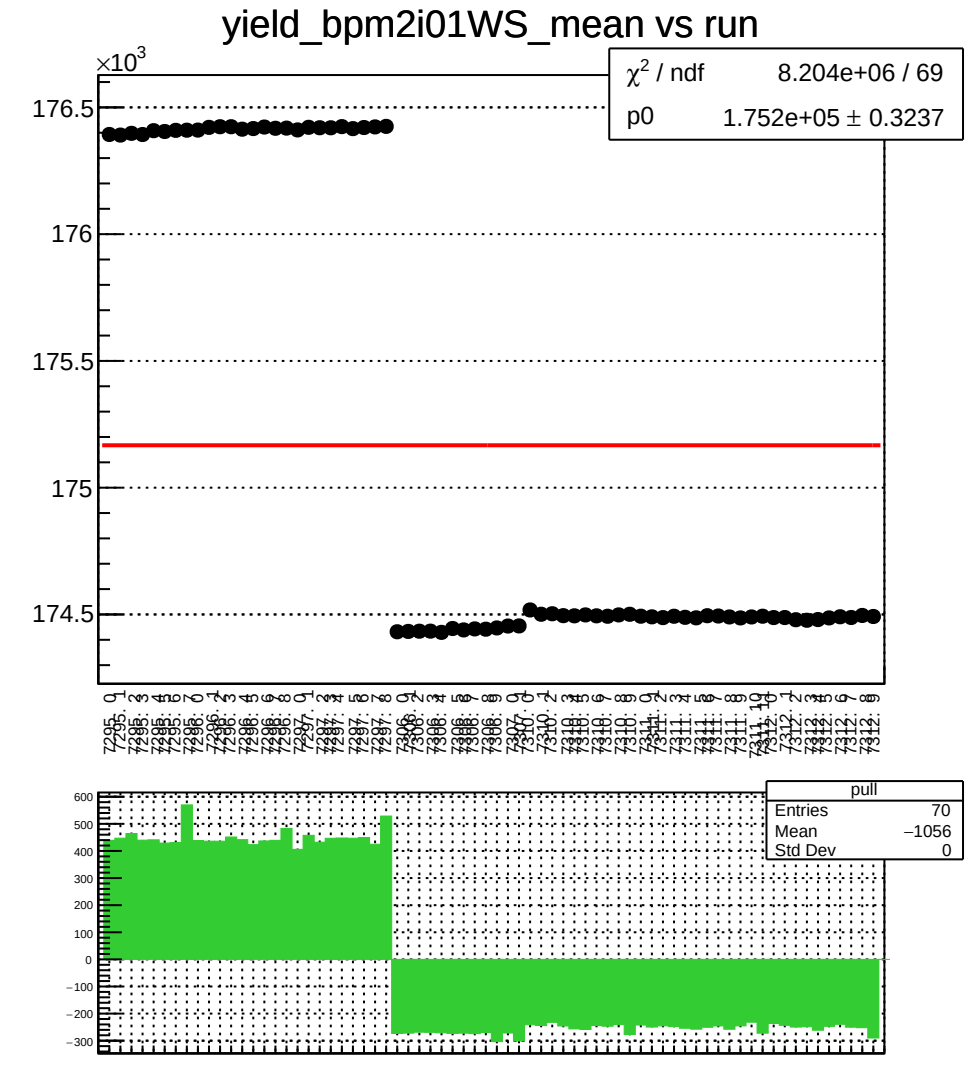

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

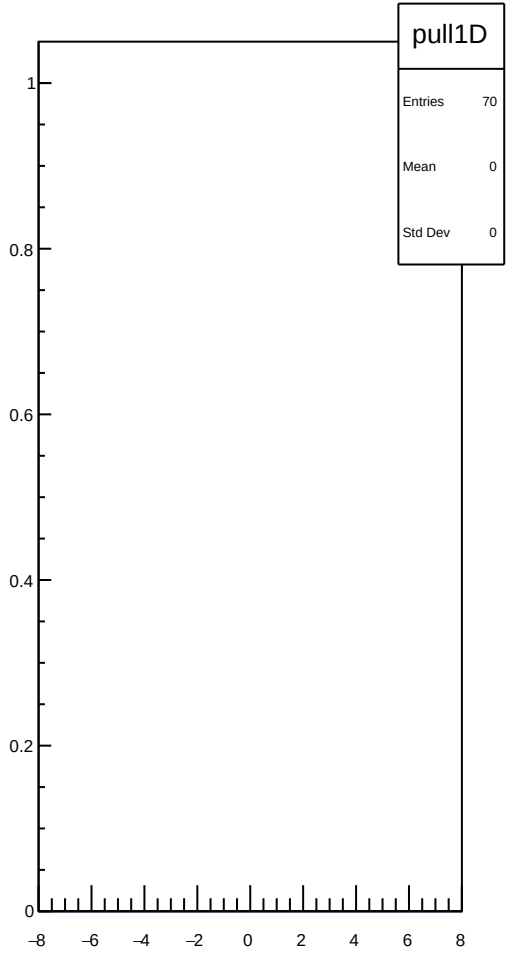

yield_bpm1i04WS_rms vs run
χ² / ndf 1075 / 69
p0 279.9 ± 0.2438
300
290
280
270
260

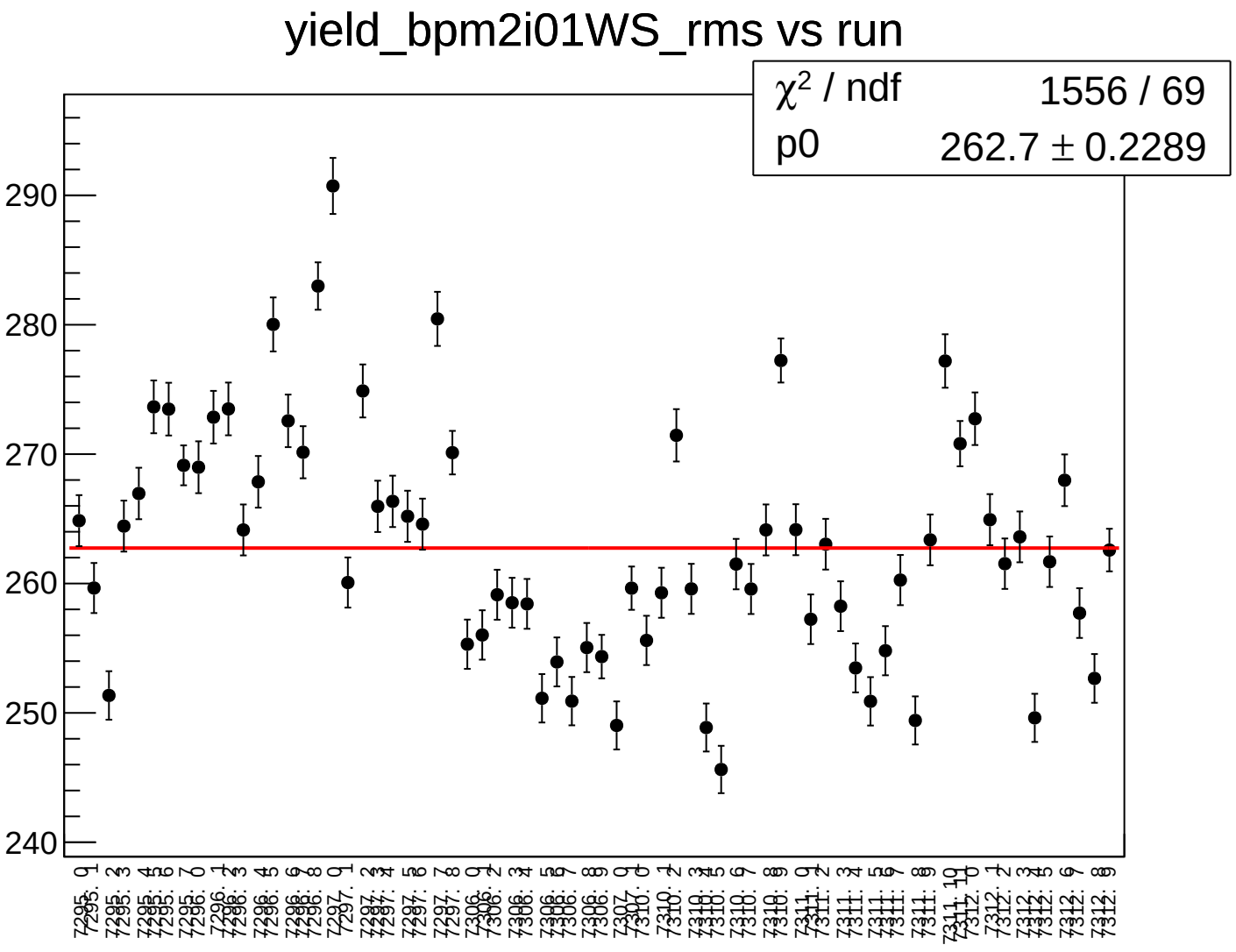

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 4.031e+06 / 69
p0 1.538e+05 ± 0.3255
154.8
154.6
154.4
154.2
154
153.8
153.6
153.4
153.2
153
pull
Entries 70
Mean −1830
Std Dev 0
400
300
200
100
0
−100
−200

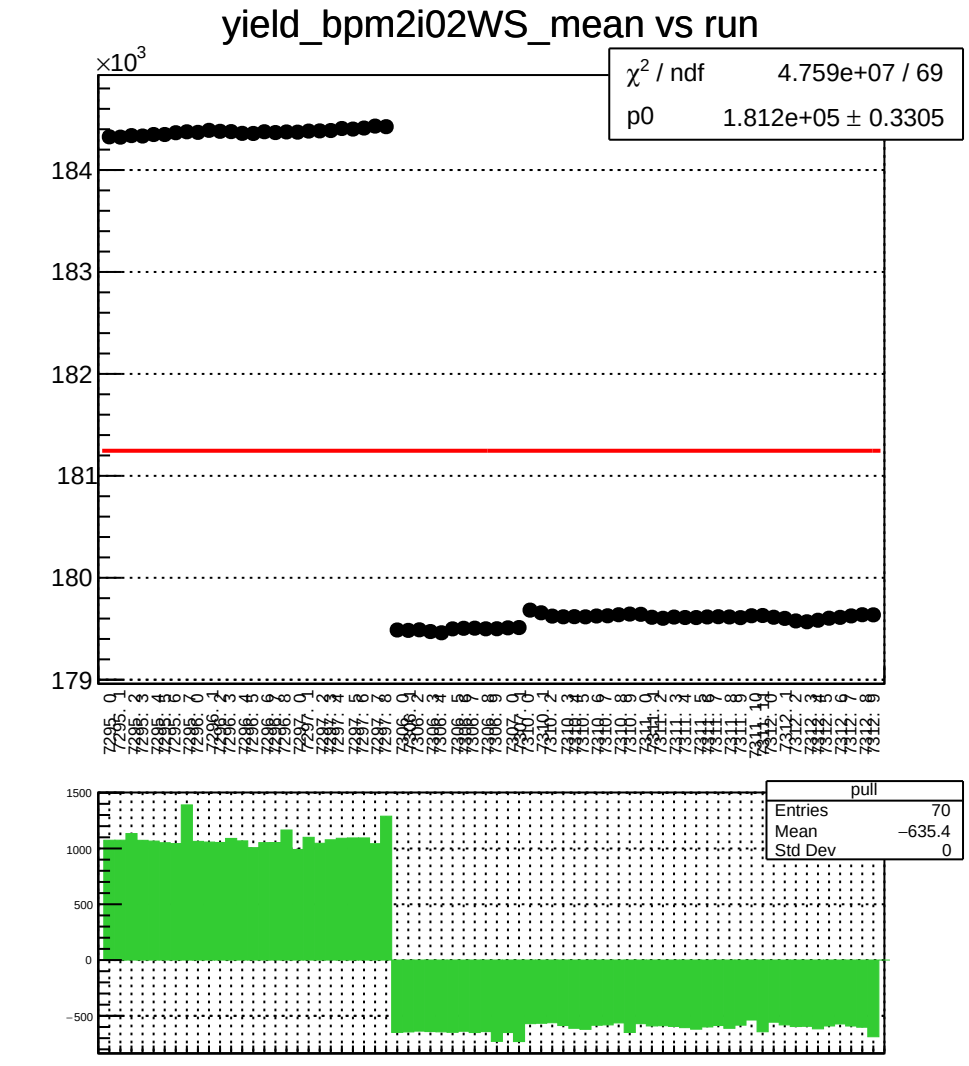

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

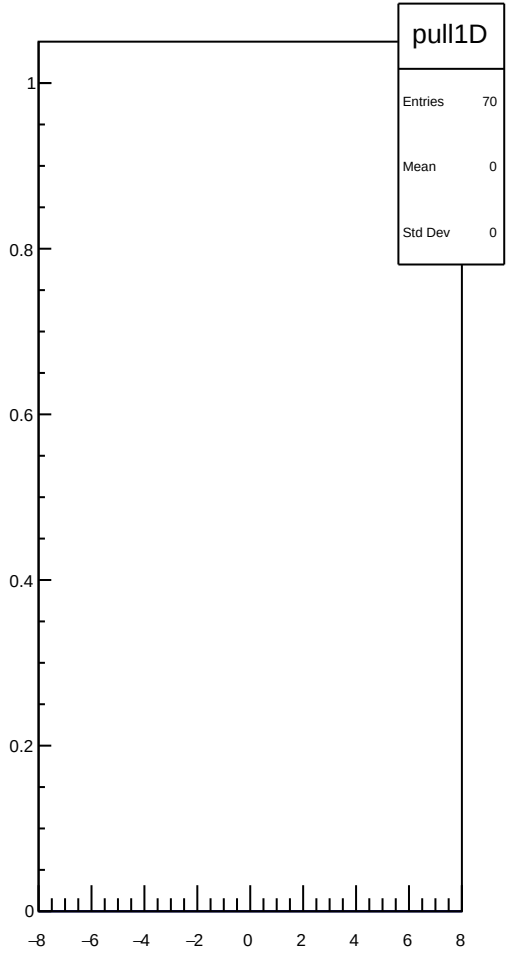

yield_bpm1i06WS_rms vs run
χ² / ndf 2625 / 69
p0 264.1 ± 0.2302
310
300
290
280
270
260
250
240

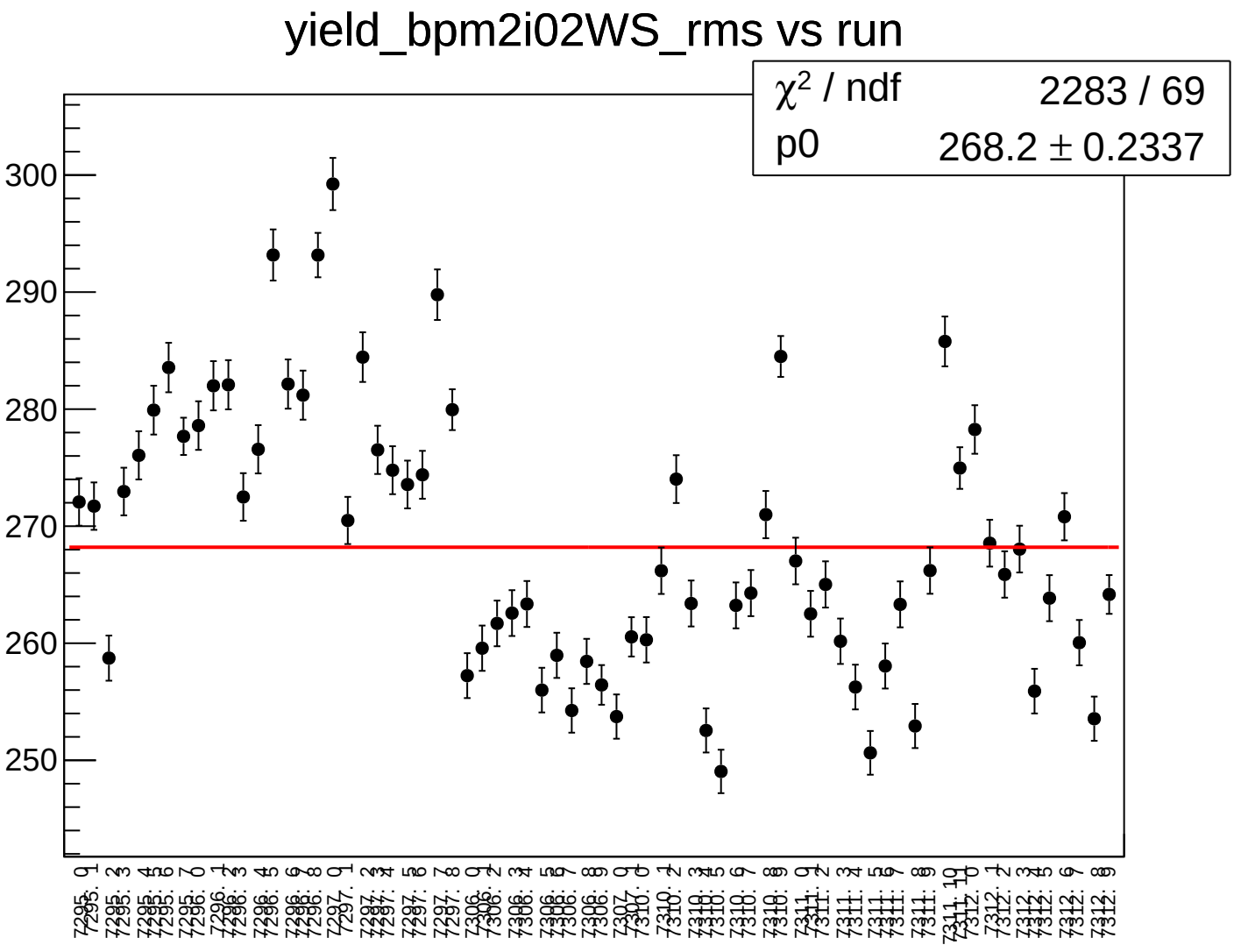

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.204e+06 / 69
p0 1.752e+05 ± 0.3237
176.5
176
175.5
175
174.5
pull
Entries 70
Mean −1056
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

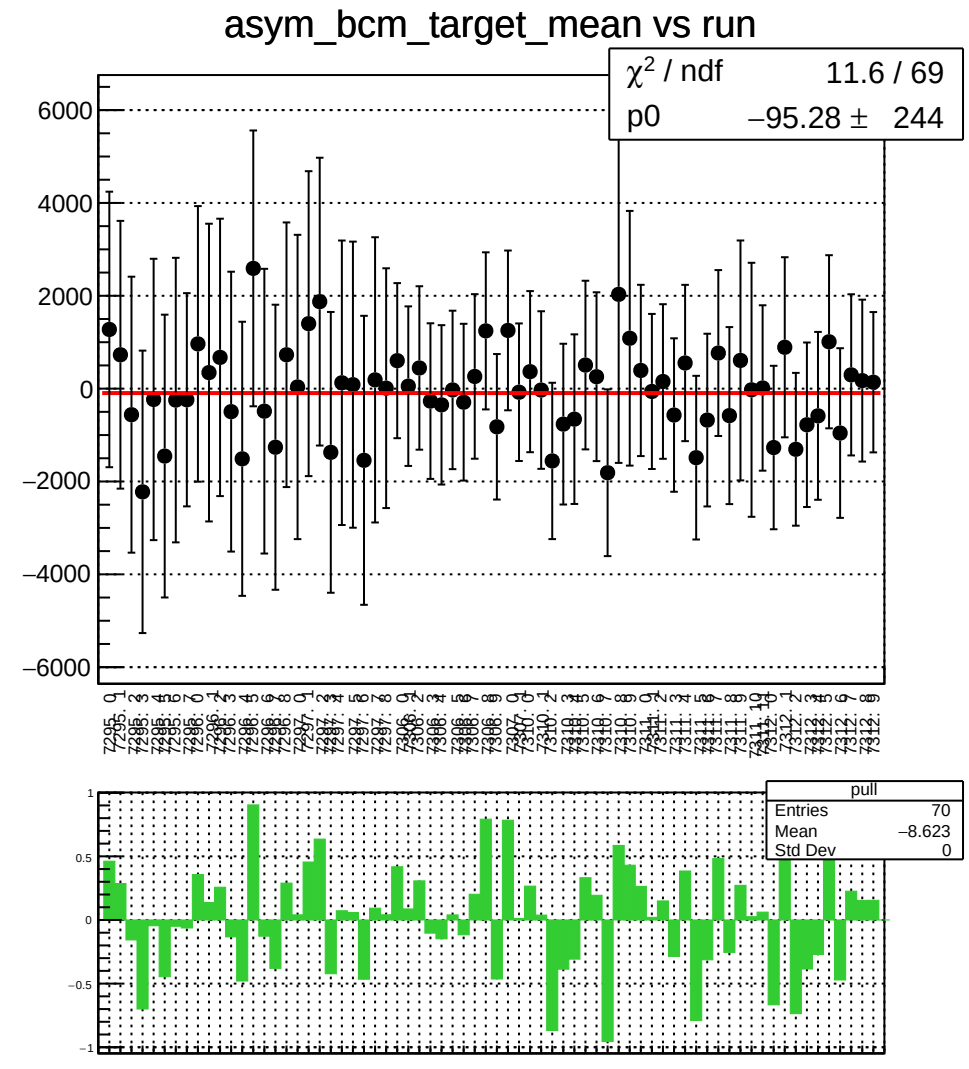

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

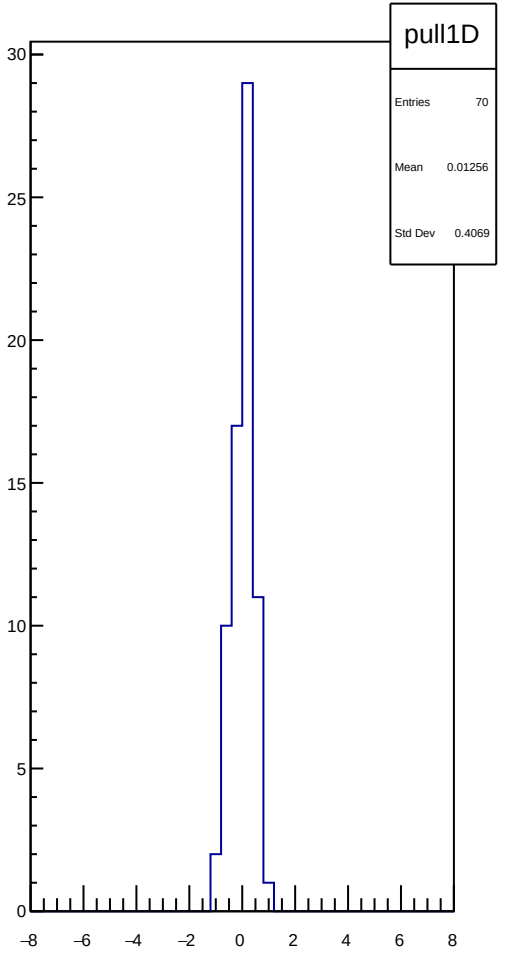

yield_bpm2i01WS_rms vs run
χ² / ndf 1556 / 69
p0 262.7 ± 0.2289
290
280
270
260
250
240

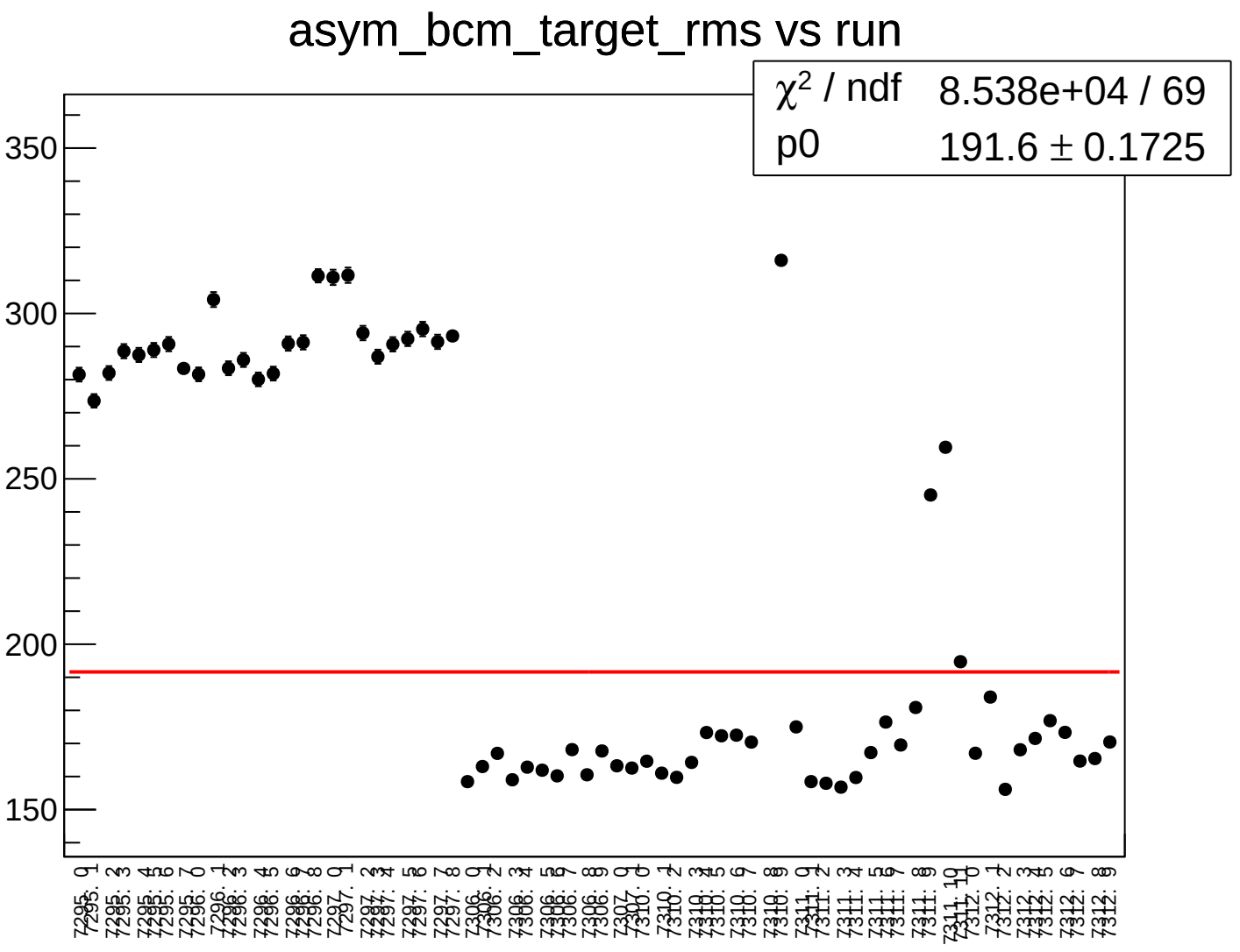

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 4.759e+07 / 69
p0 1.812e+05 ± 0.3305
184
183
182
181
180
179
pull
Entries 70
Mean −635.4
Std Dev 0
1500
1000
500
0
−500

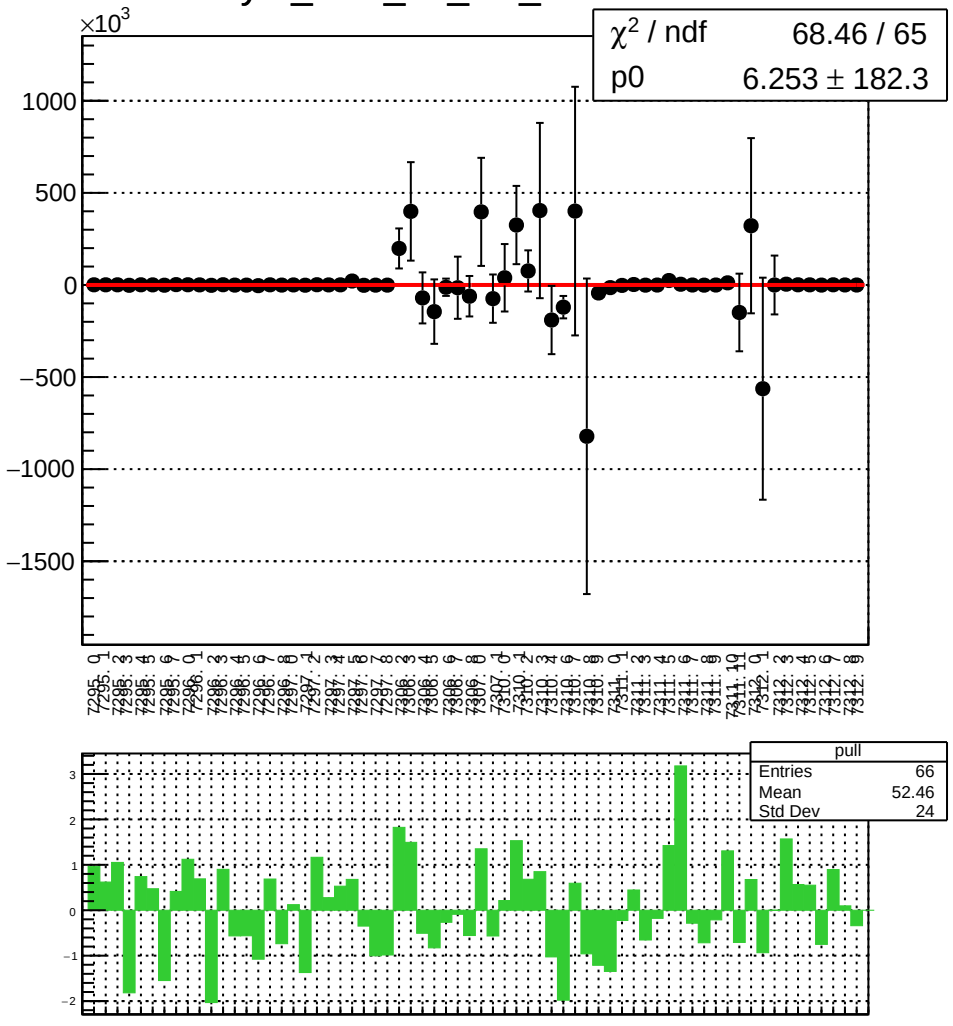

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

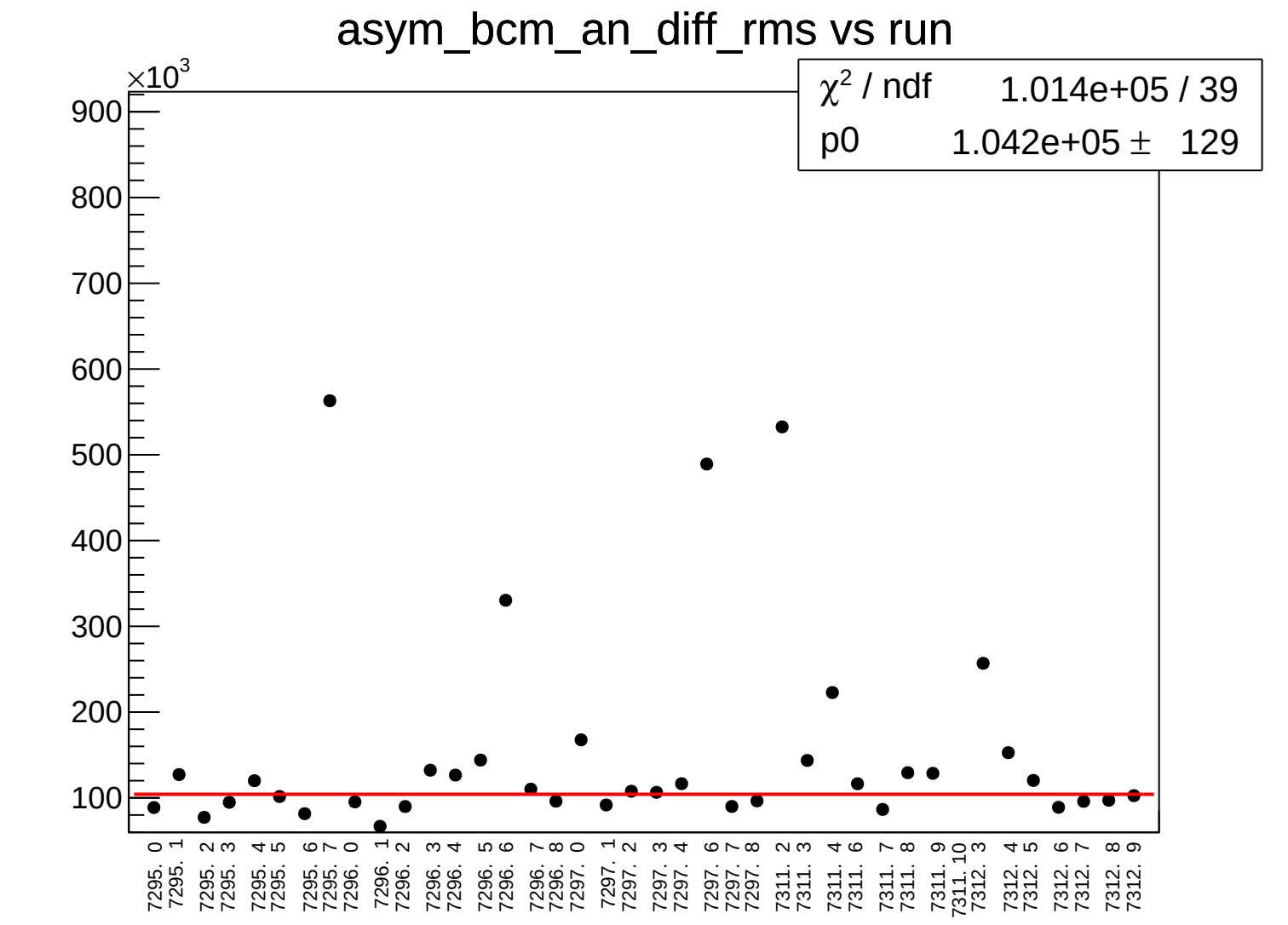

yield_bpm2i02WS_rms vs run
χ² / ndf 2283 / 69
p0 268.2 ± 0.2337
300
290
280
270
260
250

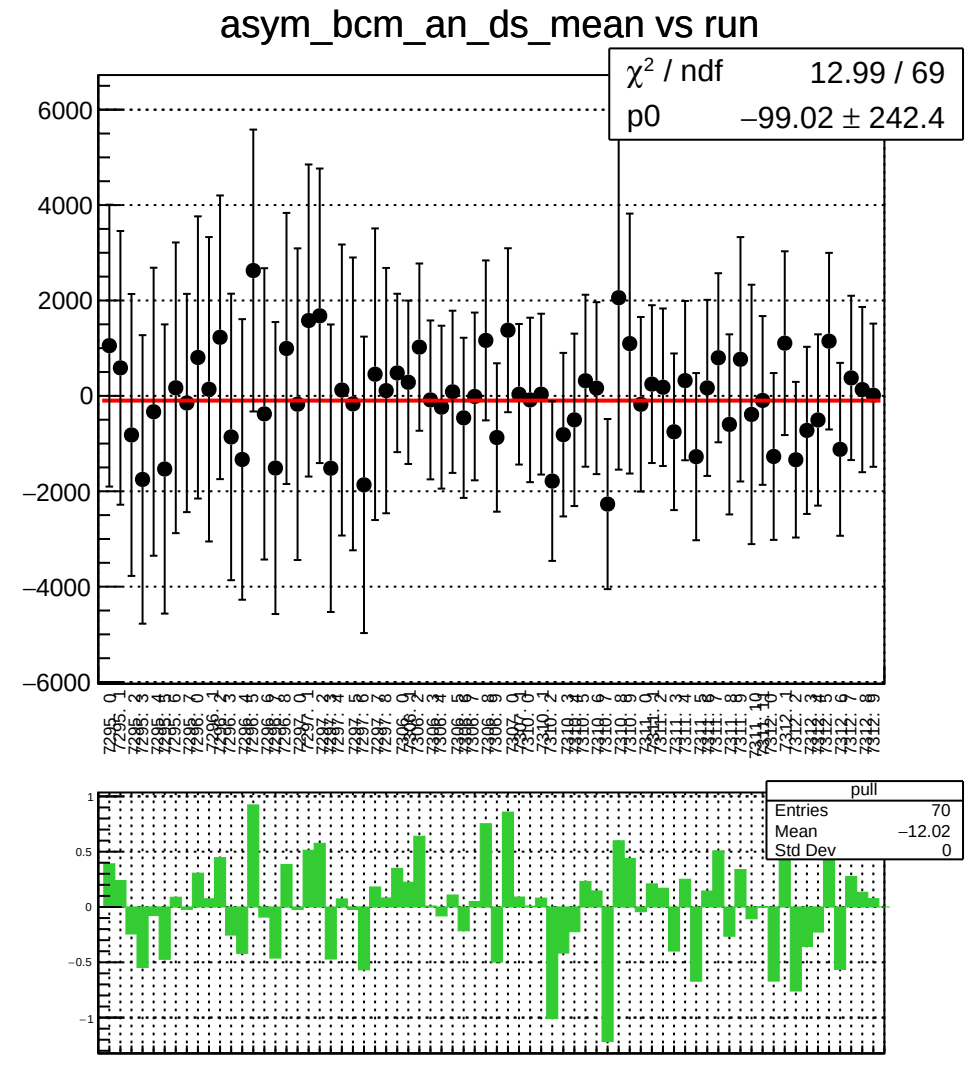

asym_bcm_target_mean vs run
χ² / ndf 11.6 / 69
p0 −95.28 ± 244
pull
Entries 70
Mean −8.623
Std Dev 0

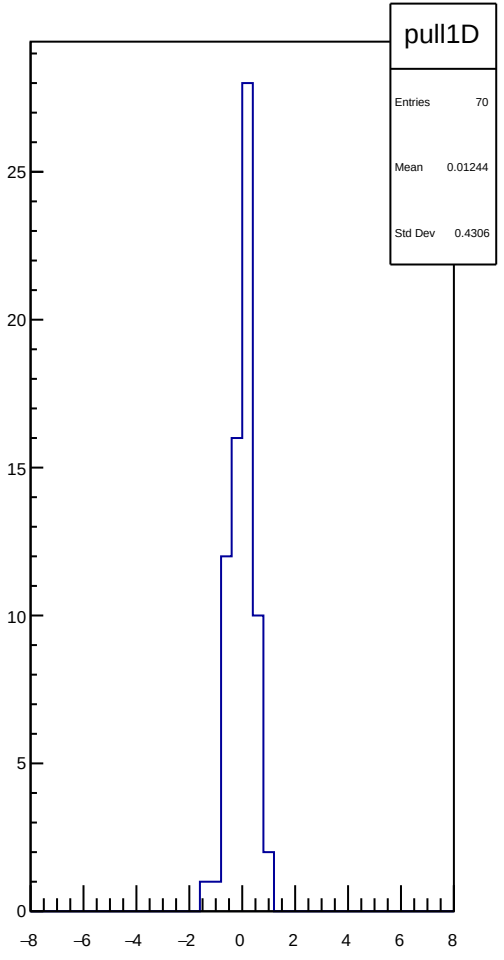

pull1D
Entries 70
Mean 0.01256
Std Dev 0.4069

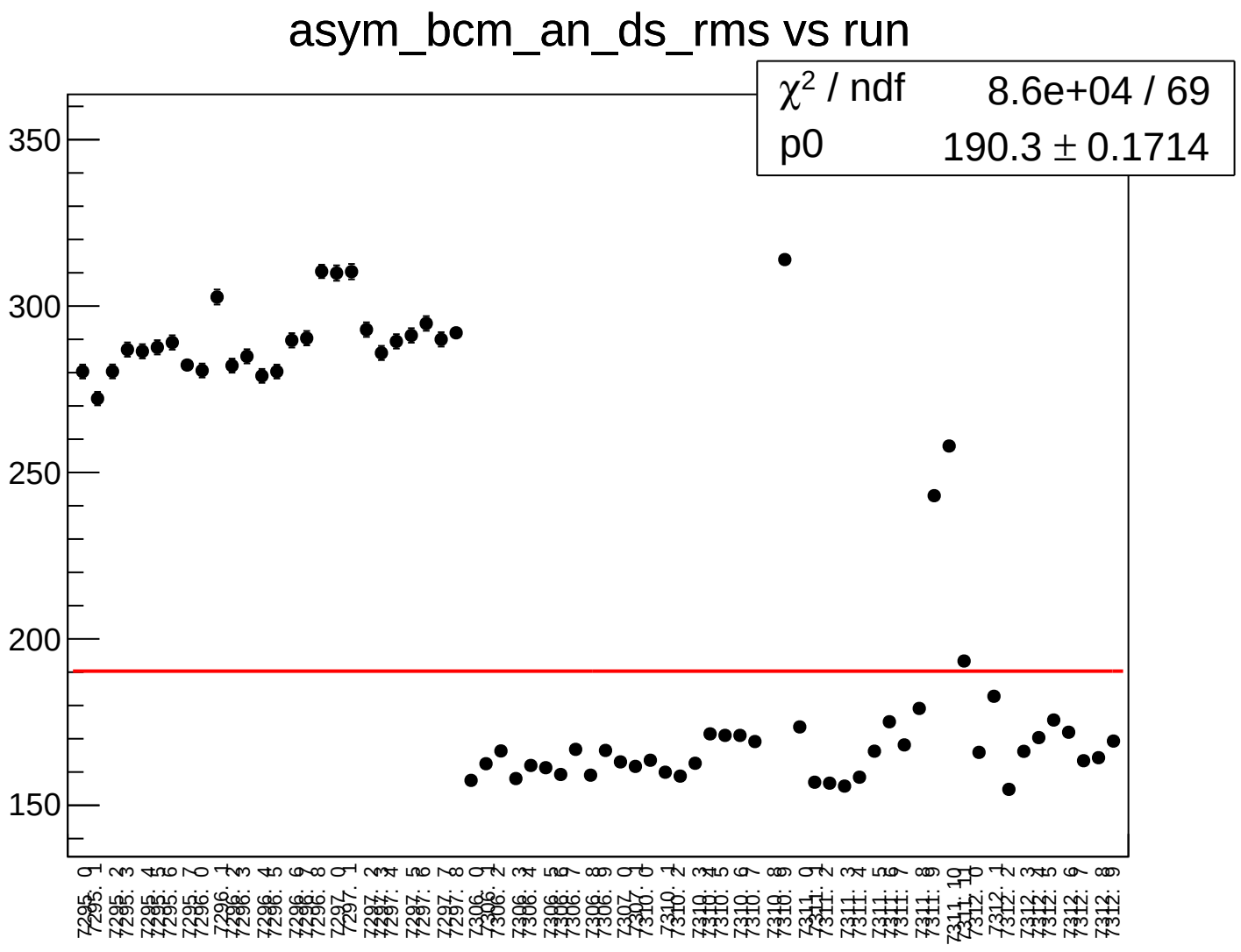

asym_bcm_target_rms vs run
χ^2 / ndf 8.538e+04 / 69
p0 191.6 ± 0.1725
350
300
250
200
150

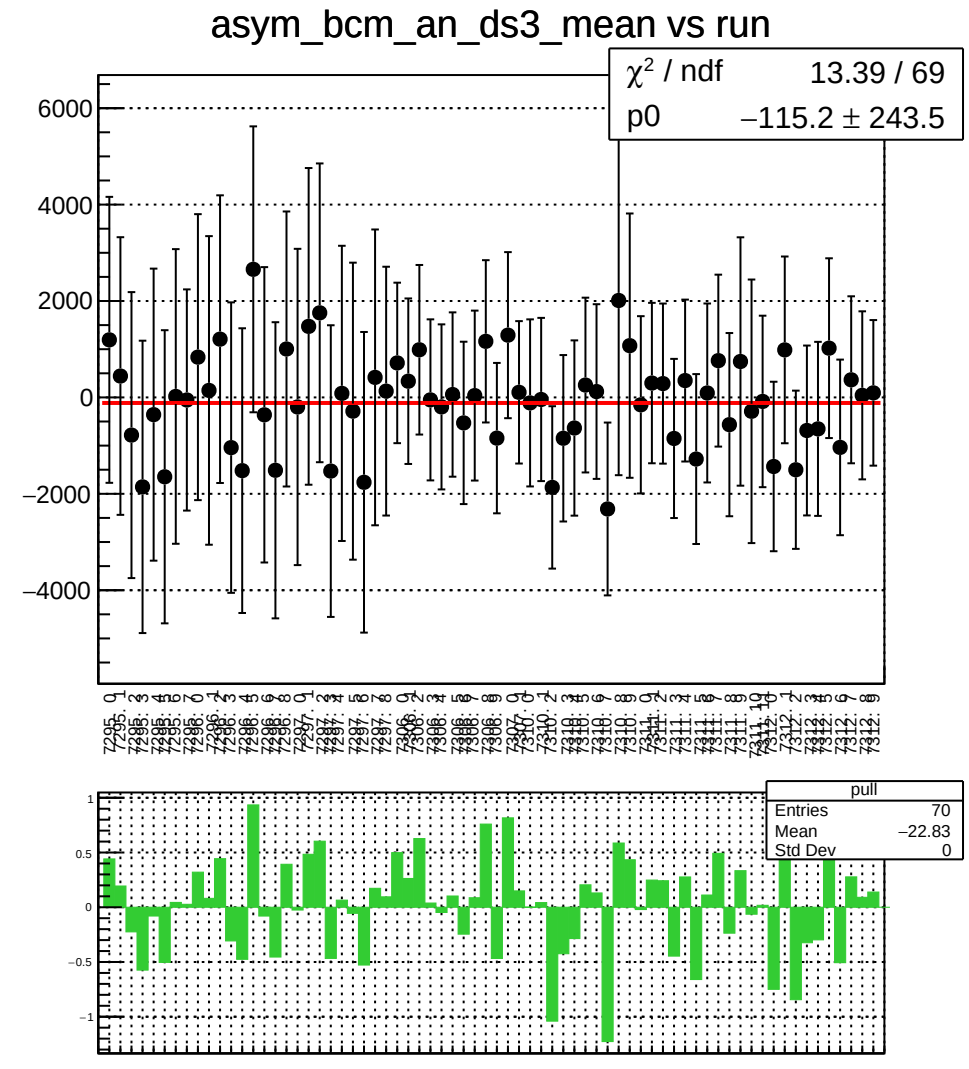

asym_bcm_an_diff_mean vs run
χ² / ndf 68.46 / 65
p0 6.253 ± 182.3
×10³
1000
500
0
−500
−1000
−1500
pull
Entries 66
Mean 52.46
Std Dev 24
pull1D
Entries 66
Mean 0.05013
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

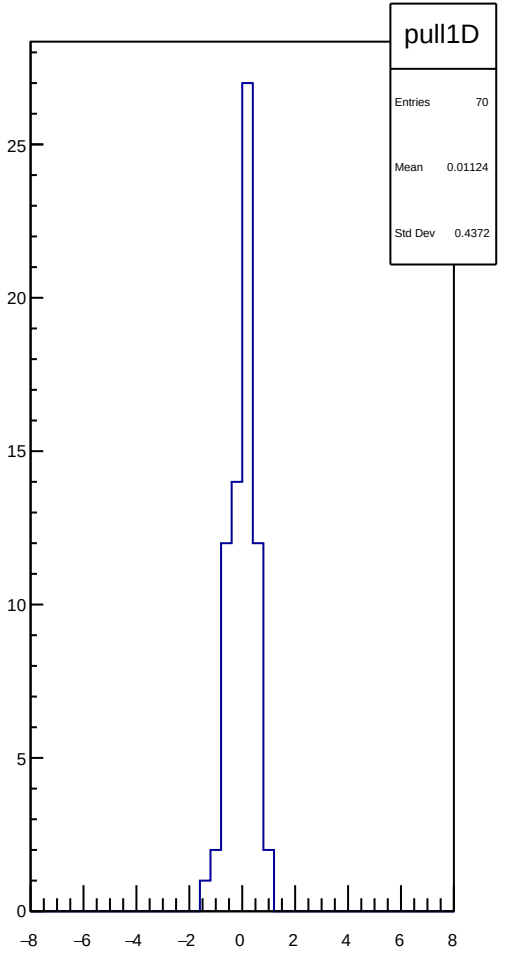

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 1.014e+05 / 39
p0 1.042e+05 ± 129
900
800
700
600
500
400
300
200
100
7295. 0
7295. 1
7295. 2
7295. 3
7295. 4
7295. 5
7295. 6
7295. 7
7296. 0
7296. 1
7296. 2
7296. 3
7296. 4
7296. 5
7296. 6
7296. 7
7296. 8
7297. 0
7297. 1
7297. 2
7297. 3
7297. 4
7297. 6
7297. 7
7297. 8
7311. 2
7311. 3
7311. 4
7311. 6
7311. 7
7311. 8
7311. 9
7311. 10
7312. 3
7312. 4
7312. 5
7312. 6
7312. 7
7312. 8
7312. 9

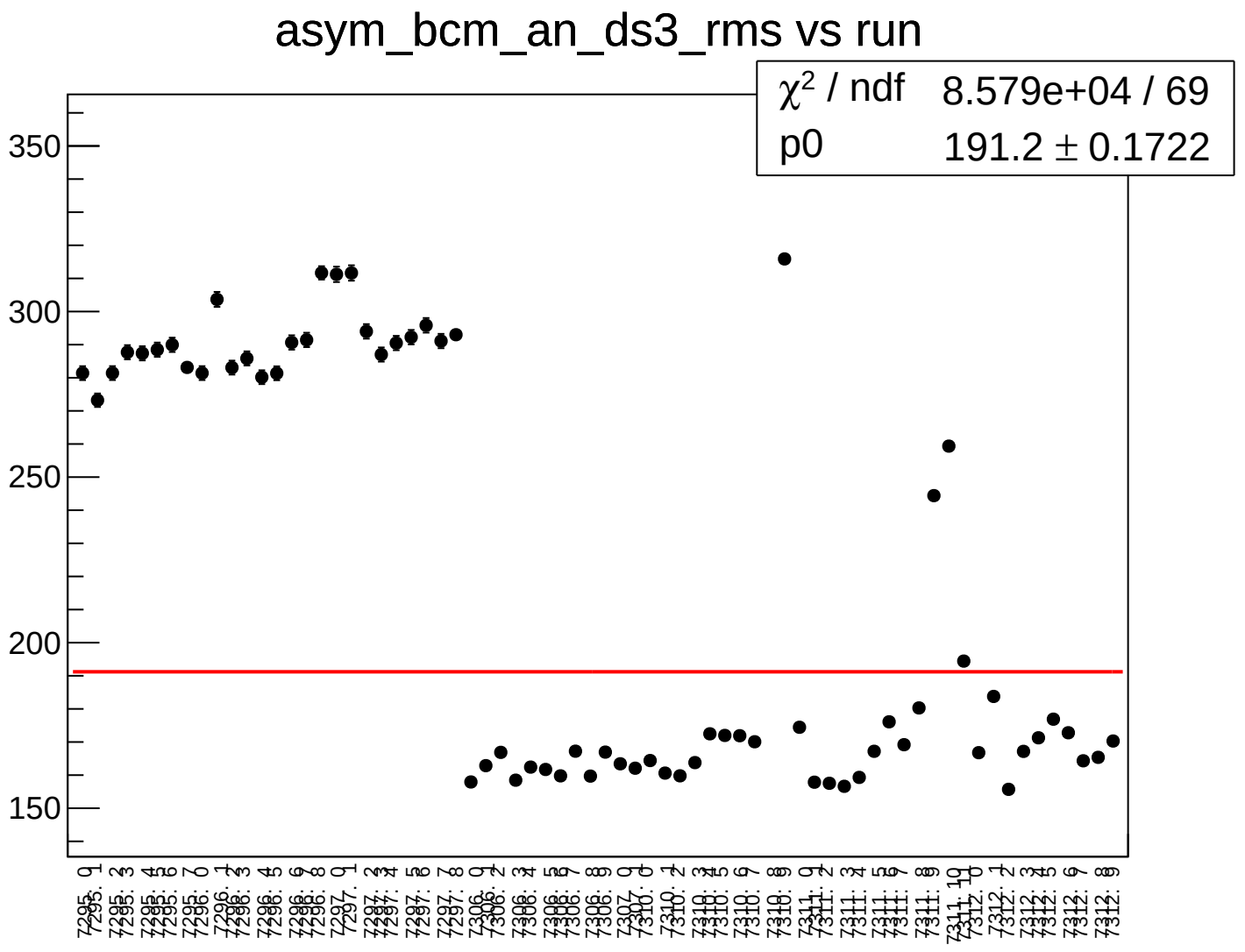

asym_bcm_an_ds_mean vs run
χ² / ndf 12.99 / 69
p0 −99.02 ± 242.4
pull
Entries 70
Mean −12.02
Std Dev 0

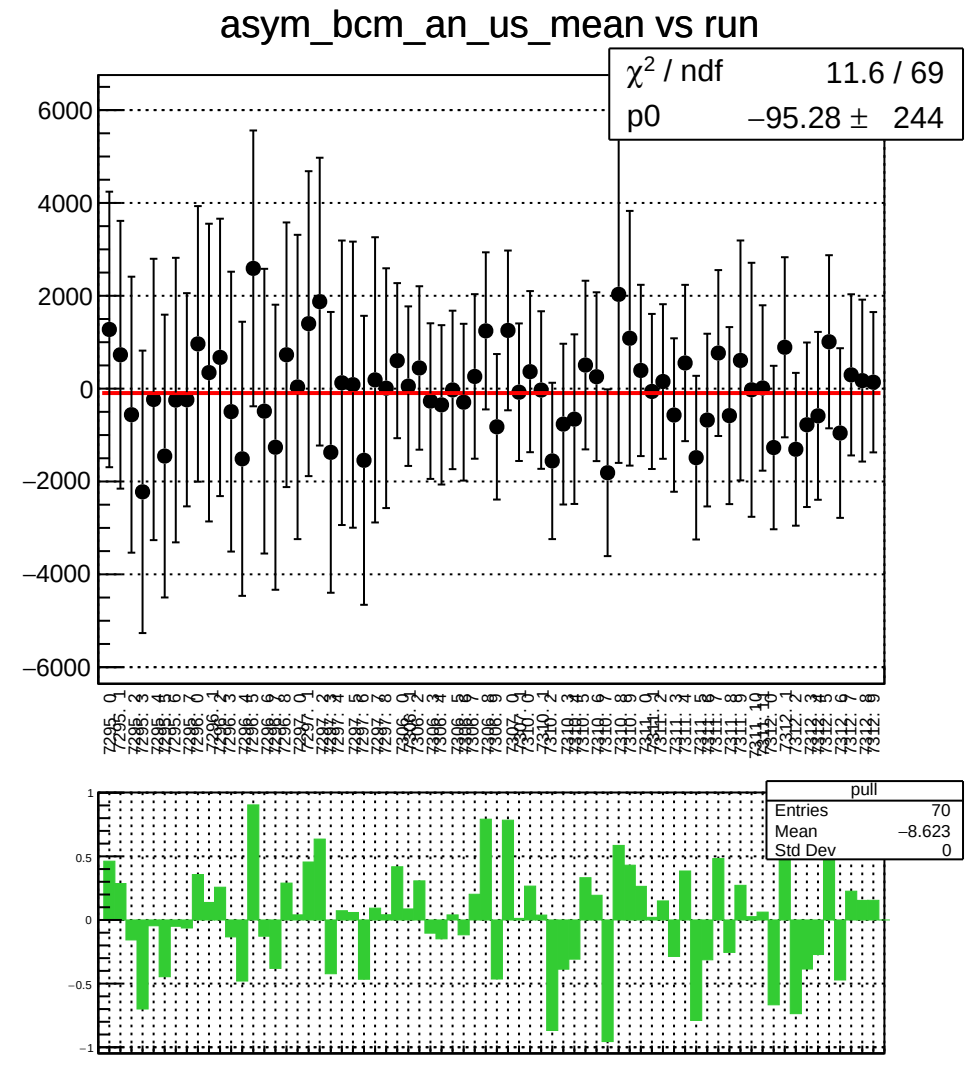

pull1D
Entries 70
Mean 0.01244
Std Dev 0.4306

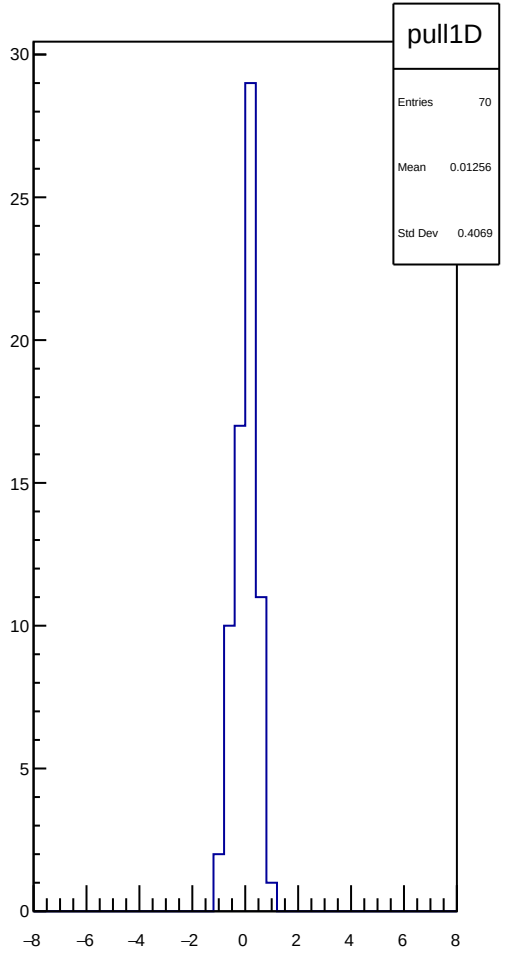

asym_bcm_an_ds_rms vs run
χ² / ndf 8.6e+04 / 69
p0 190.3 ± 0.1714
350
300
250
200
150

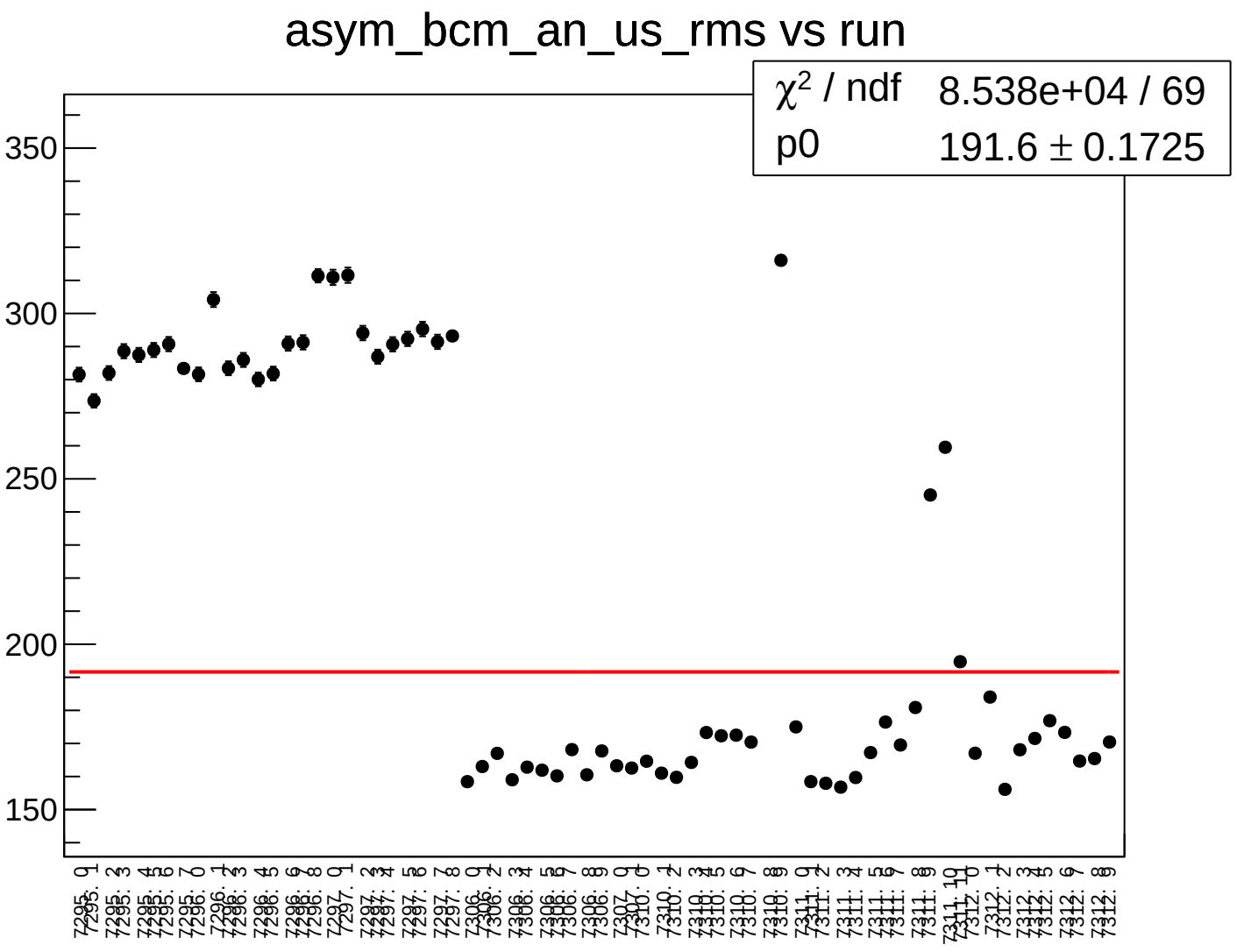

asym_bcm_an_ds3_mean vs run
χ² / ndf 13.39 / 69
p0 −115.2 ± 243.5
6000
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −22.83
Std Dev 0
1
0.5
0
−0.5
−1

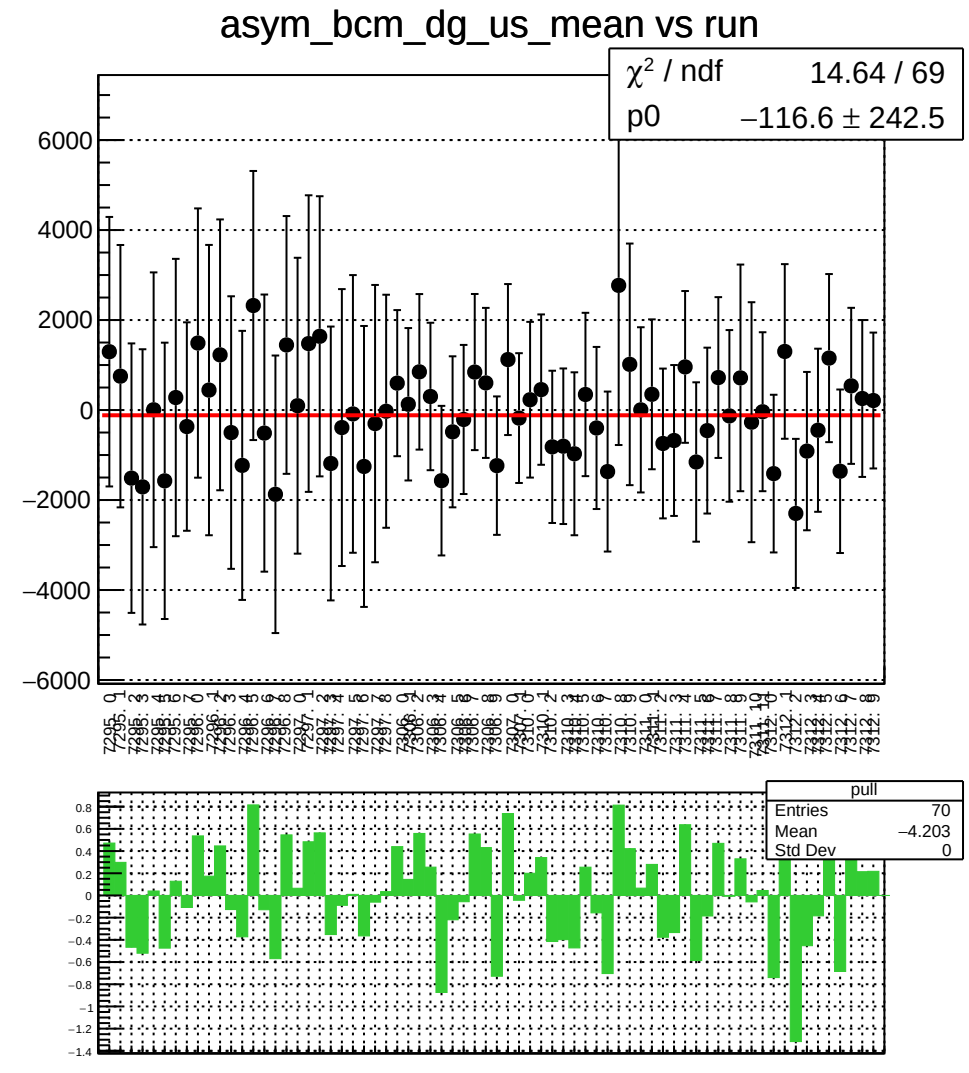

pull1D
Entries 70
Mean 0.01124
Std Dev 0.4372
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

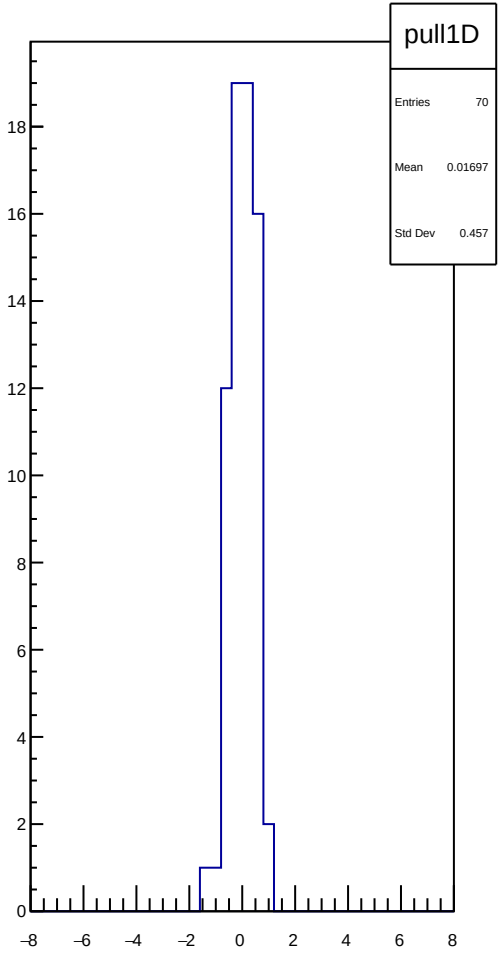

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 8.579e+04 / 69
p0 191.2 ± 0.1722
350
300
250
200
150

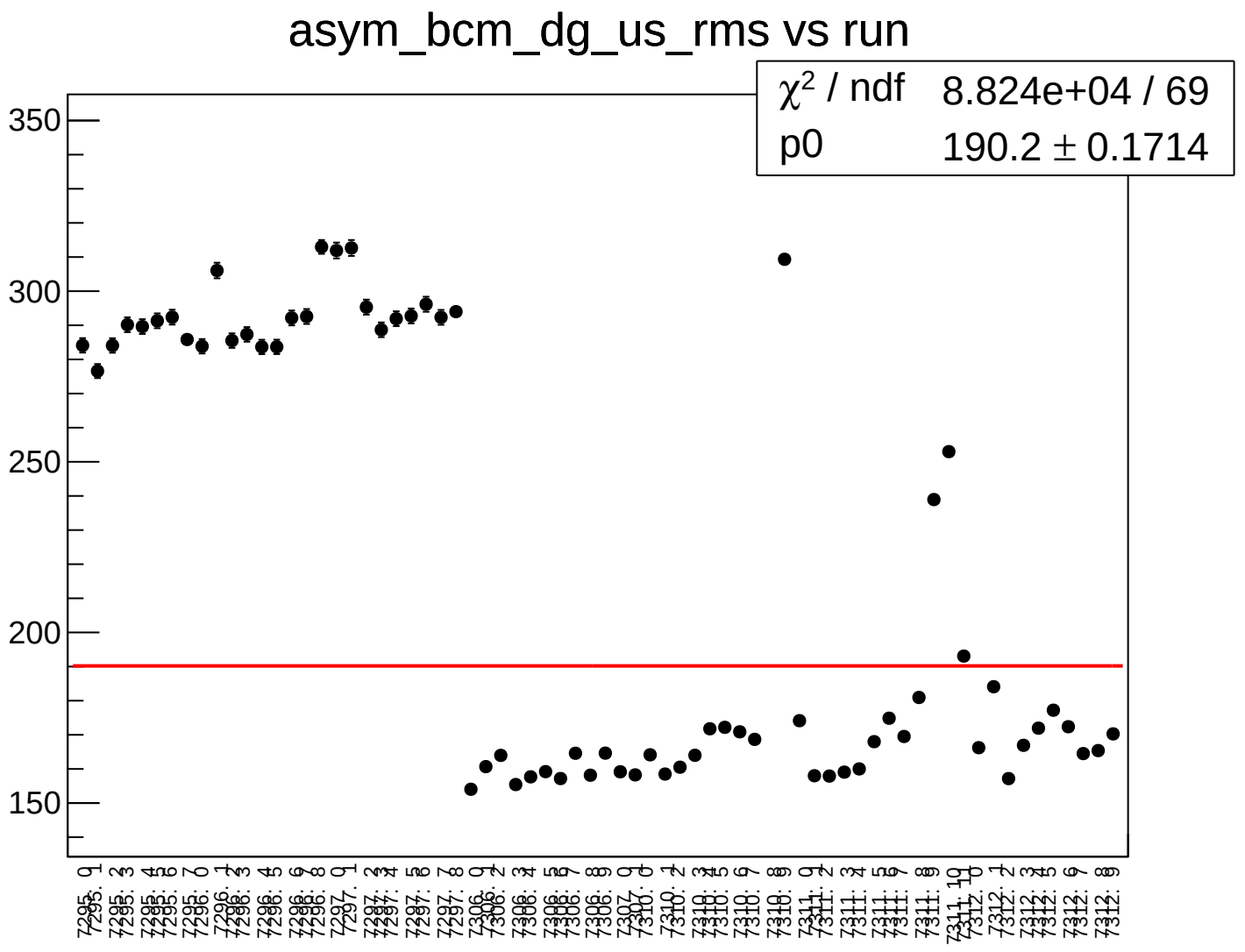

asym_bcm_an_us_mean vs run
χ² / ndf 11.6 / 69
p0 −95.28 ± 244
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean −8.623
Std Dev 0
1
0.5
0
−0.5
−1

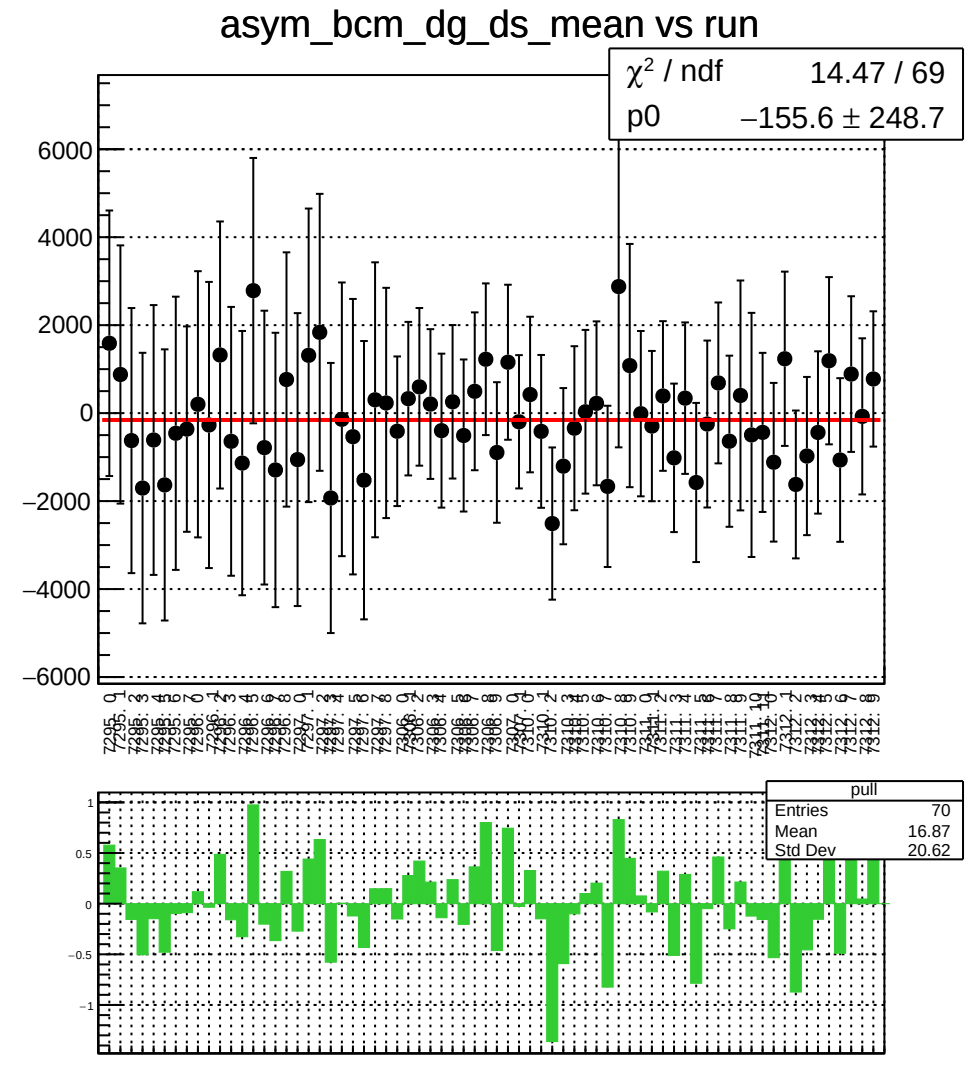

pull1D
Entries 70
Mean 0.01256
Std Dev 0.4069
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

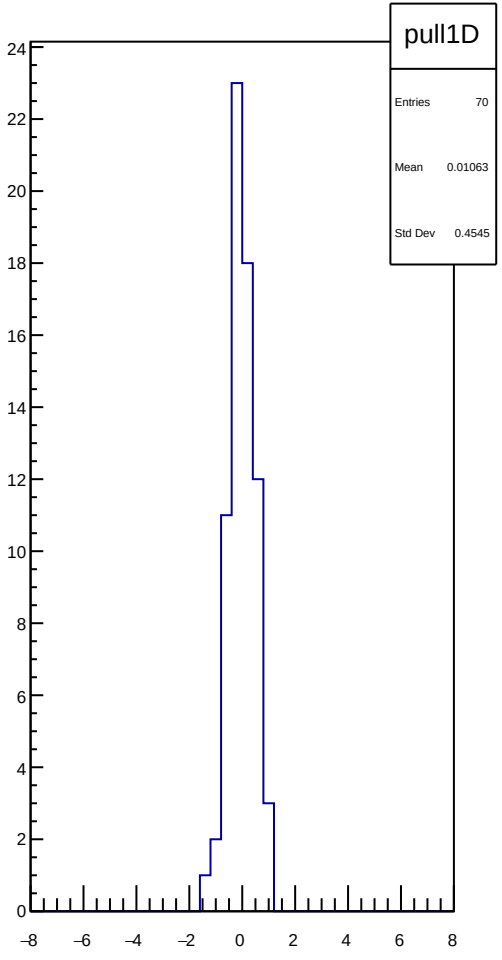

asym_bcm_an_us_rms vs run
χ² / ndf 8.538e+04 / 69
p0 191.6 ± 0.1725
350
300
250
200
150

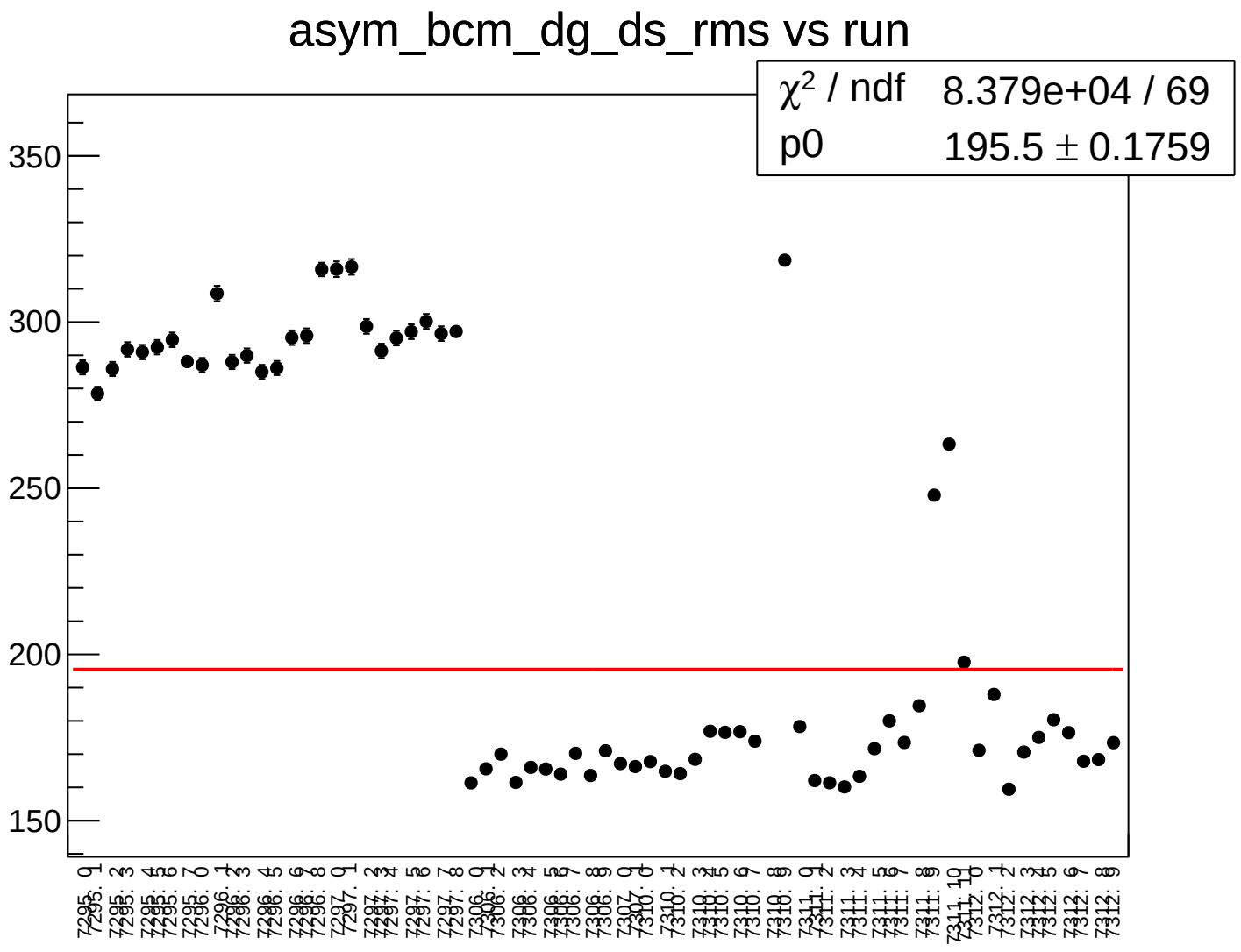

asym_bcm_dg_us_mean vs run
χ² / ndf 14.64 / 69
p0 −116.6 ± 242.5
pull
Entries 70
Mean −4.203
Std Dev 0

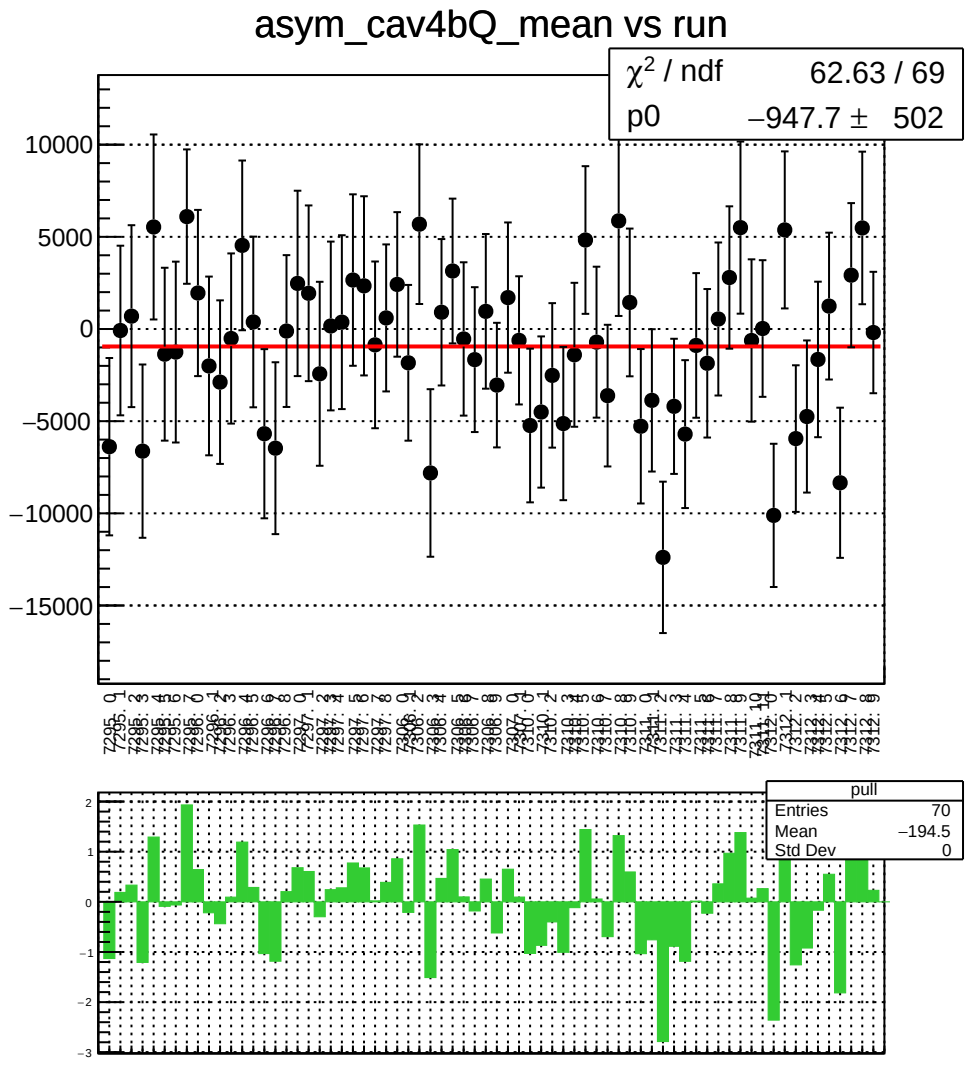

pull1D
Entries 70
Mean 0.01697
Std Dev 0.457

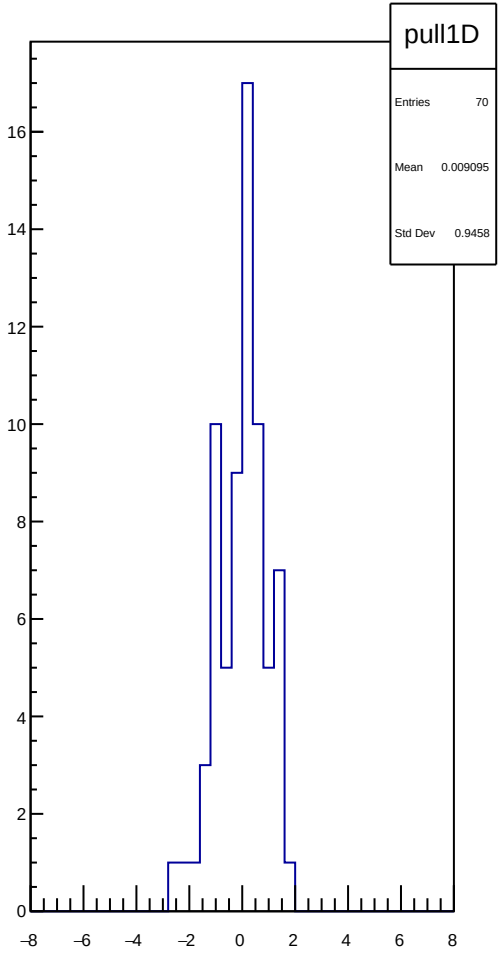

asym_bcm_dg_us_rms vs run
χ² / ndf 8.824e+04 / 69
p0 190.2 ± 0.1714
350
300
250
200
150

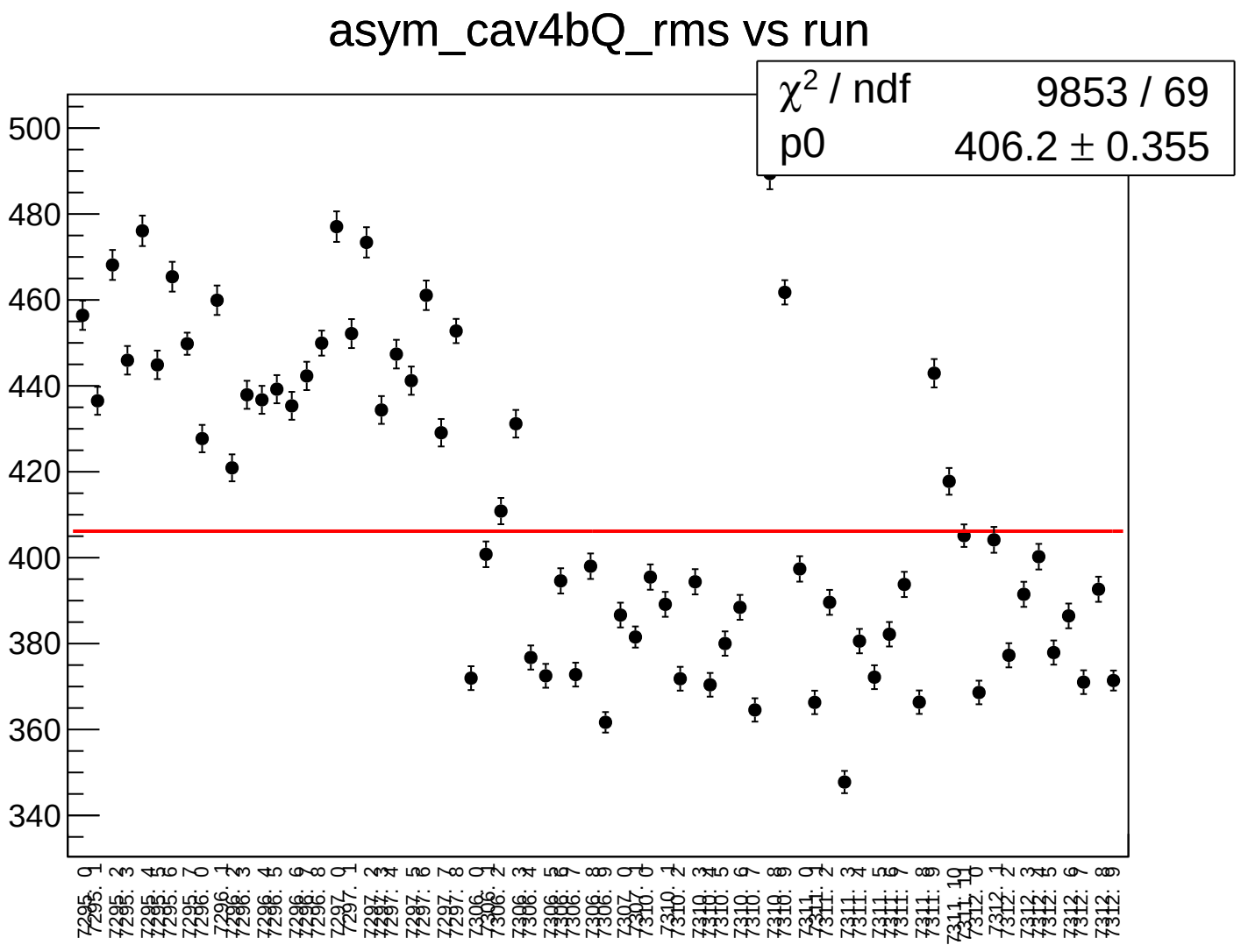

asym_bcm_dg_ds_mean vs run
χ² / ndf 14.47 / 69
p0 −155.6 ± 248.7
pull
Entries 70
Mean 16.87
Std Dev 20.62

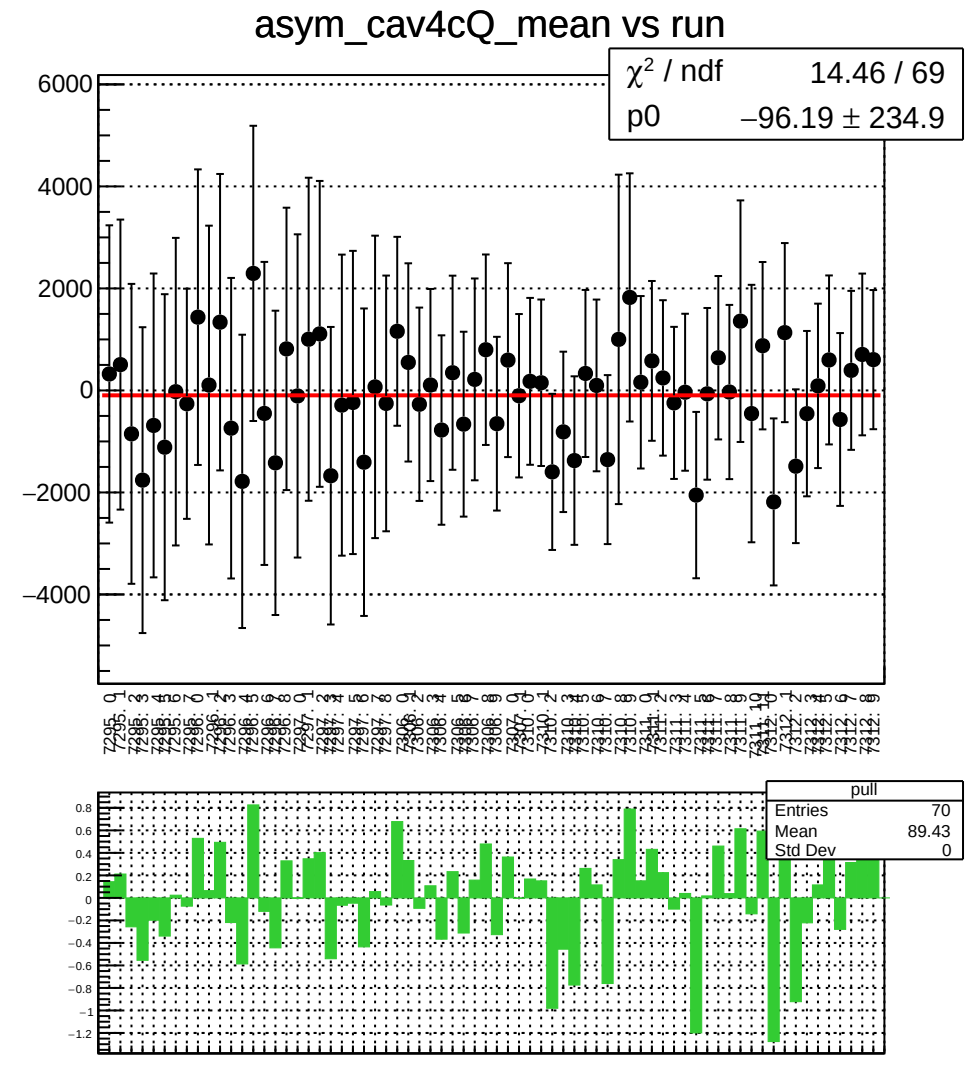

pull1D
Entries 70
Mean 0.01063
Std Dev 0.4545

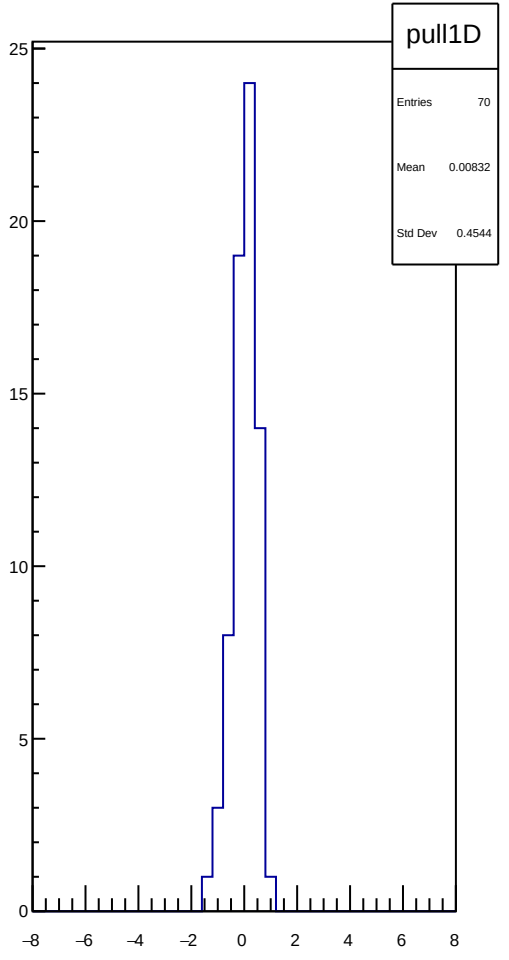

asym_bcm_dg_ds_rms vs run
χ² / ndf 8.379e+04 / 69
p0 195.5 ± 0.1759
350
300
250
200
150

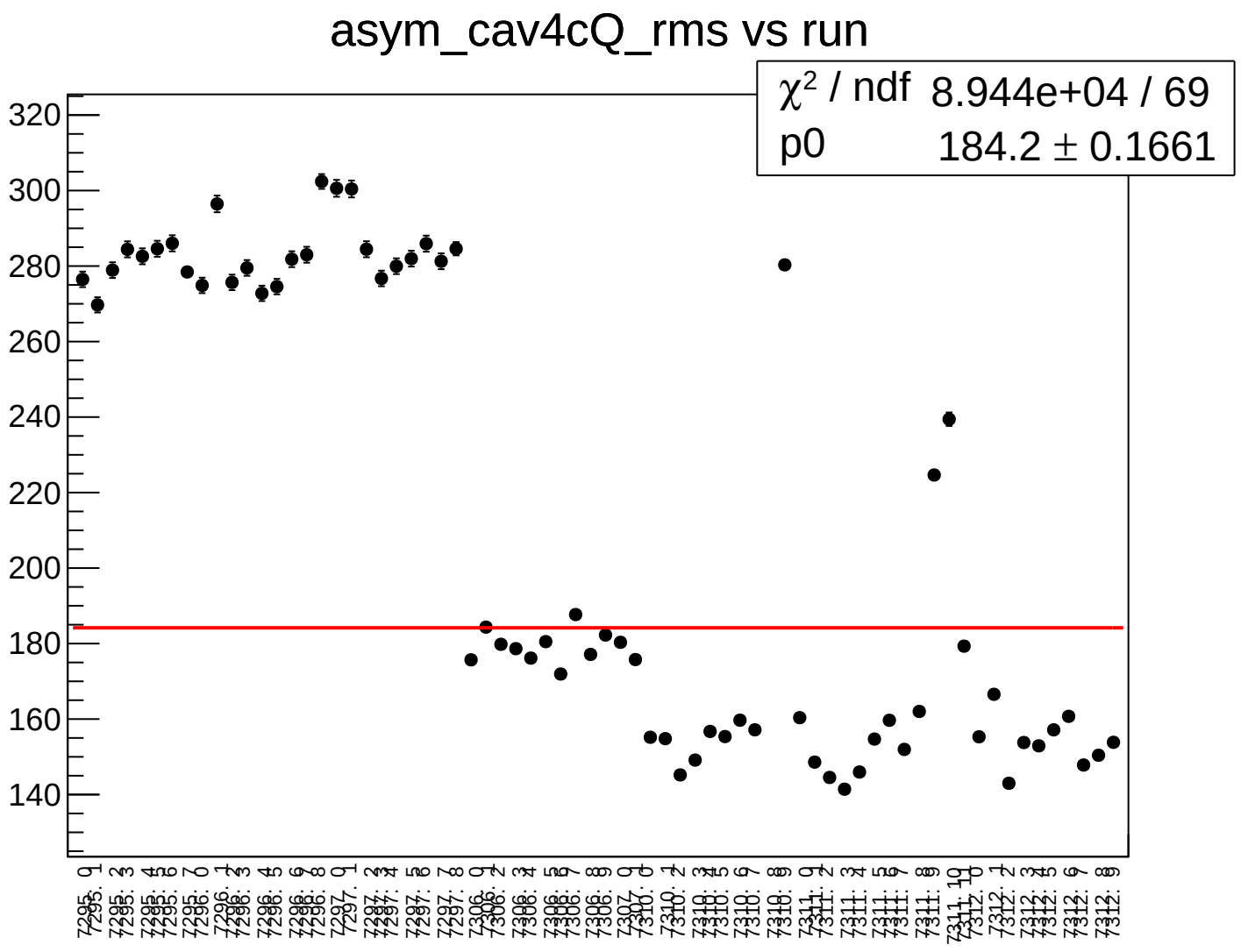

asym_cav4bQ_mean vs run
χ² / ndf 62.63 / 69
p0 −947.7 ± 502
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean −194.5
Std Dev 0
2
1
0
−1
−2
−3

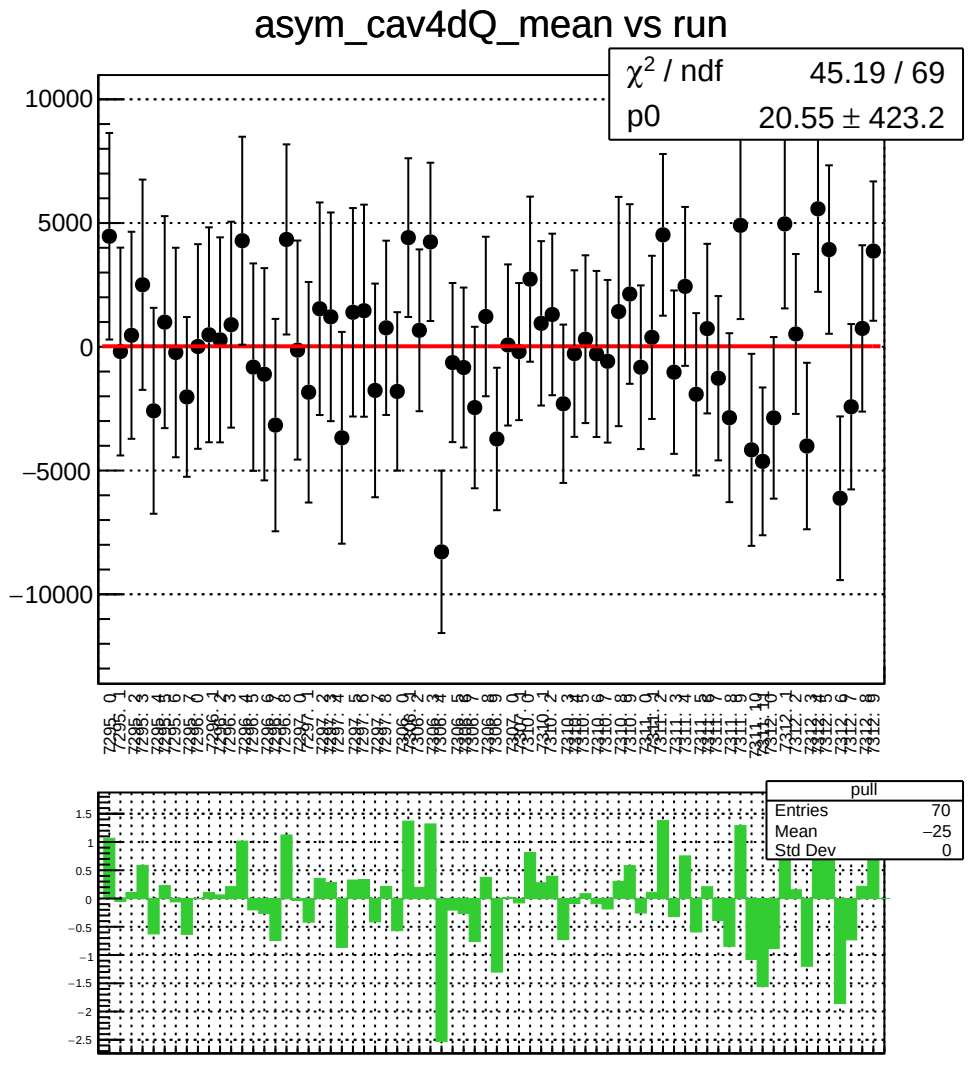

pull1D
Entries 70
Mean 0.009095
Std Dev 0.9458
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

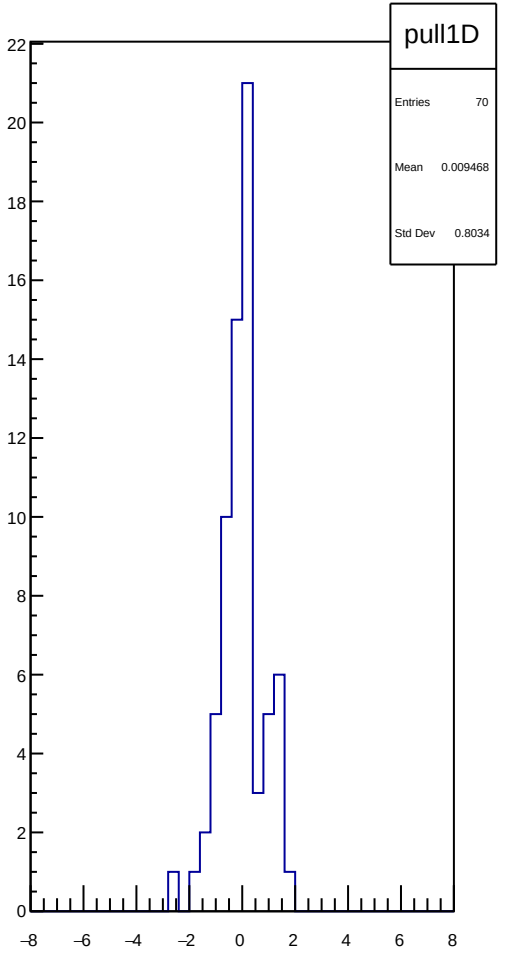

asym_cav4bQ_rms vs run
χ² / ndf 9853 / 69
p0 406.2 ± 0.355
500
480
460
440
420
400
380
360
340

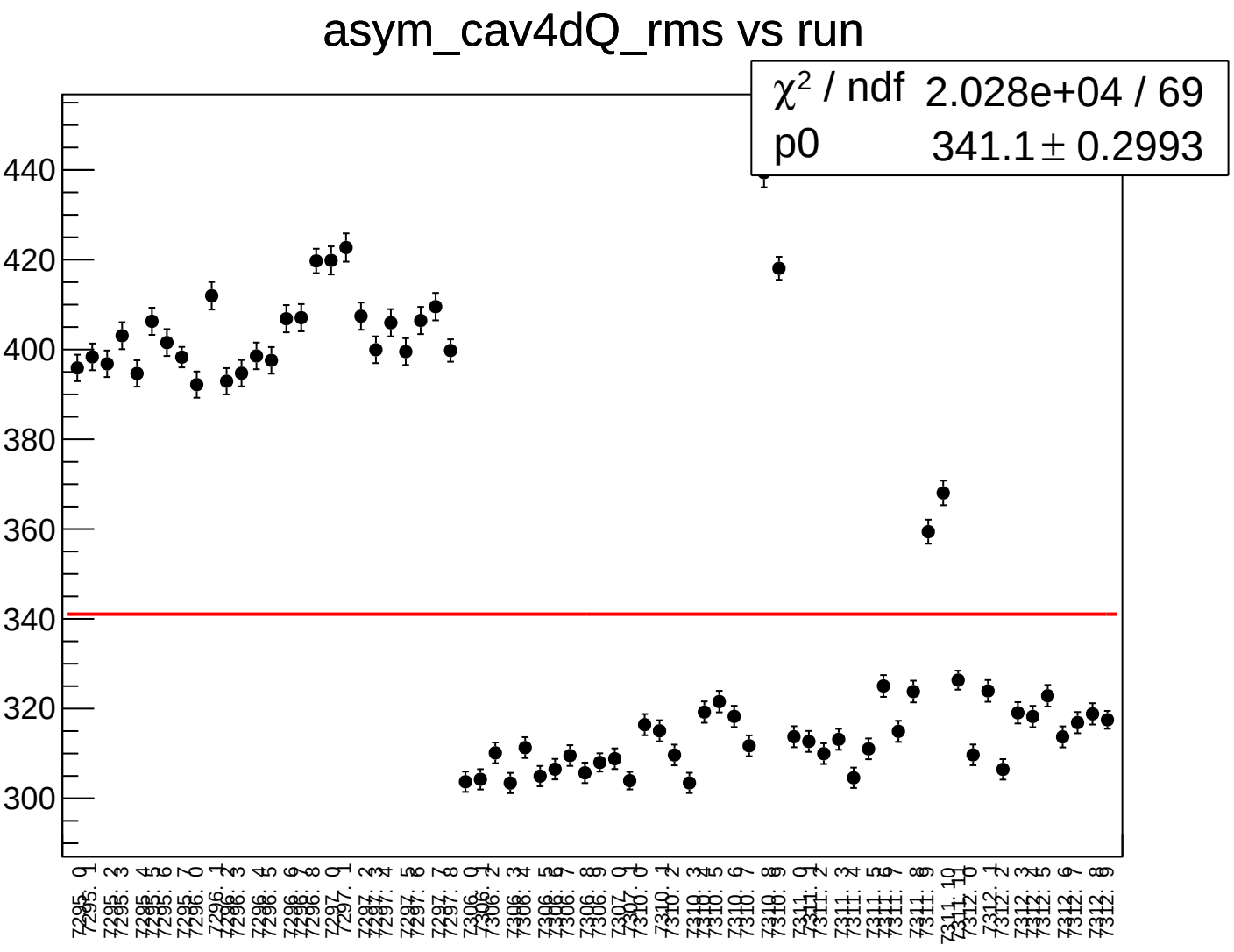

asym_cav4cQ_mean vs run
χ² / ndf 14.46 / 69
p0 −96.19 ± 234.9
pull
Entries 70
Mean 89.43
Std Dev 0

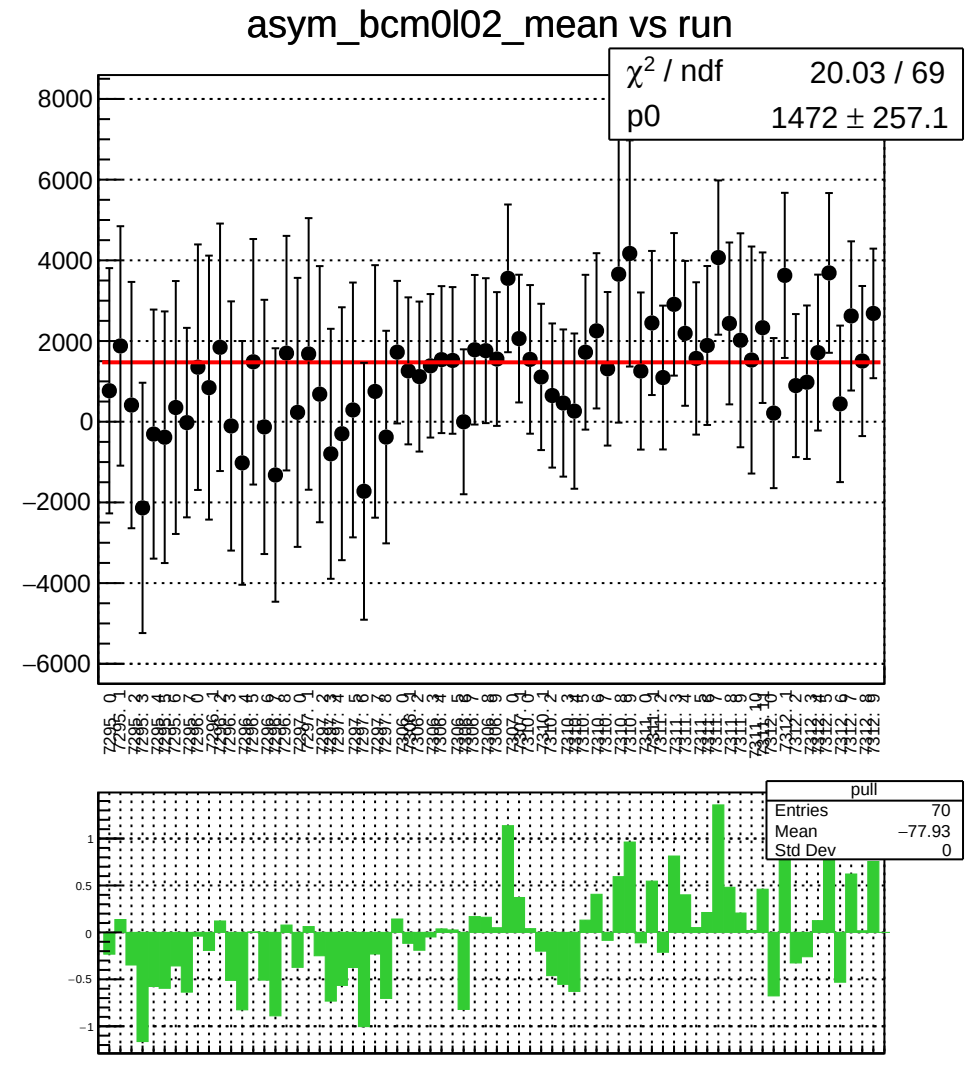

pull1D
Entries 70
Mean 0.00832
Std Dev 0.4544

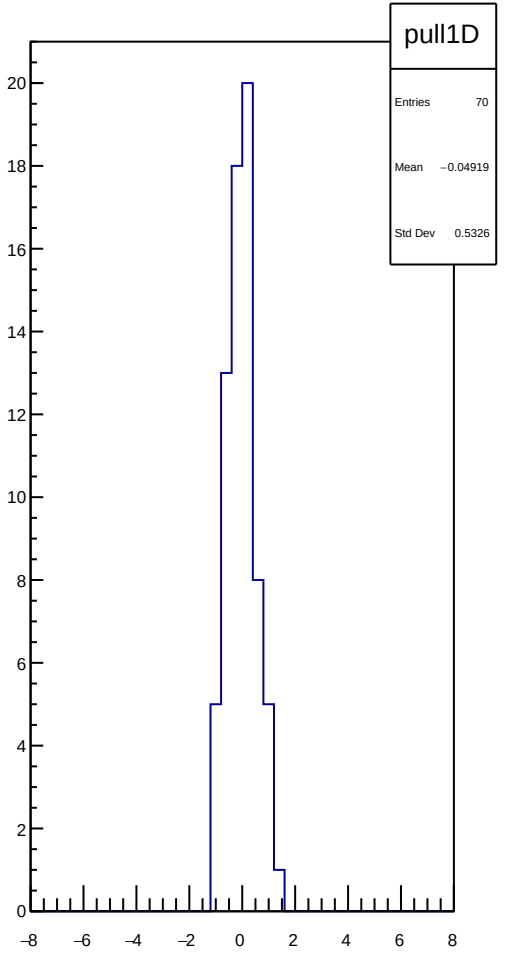

asym_cav4cQ_rms vs run
χ² / ndf 8.944e+04 / 69
p0 184.2 ± 0.1661
320
300
280
260
240
220
200
180
160
140

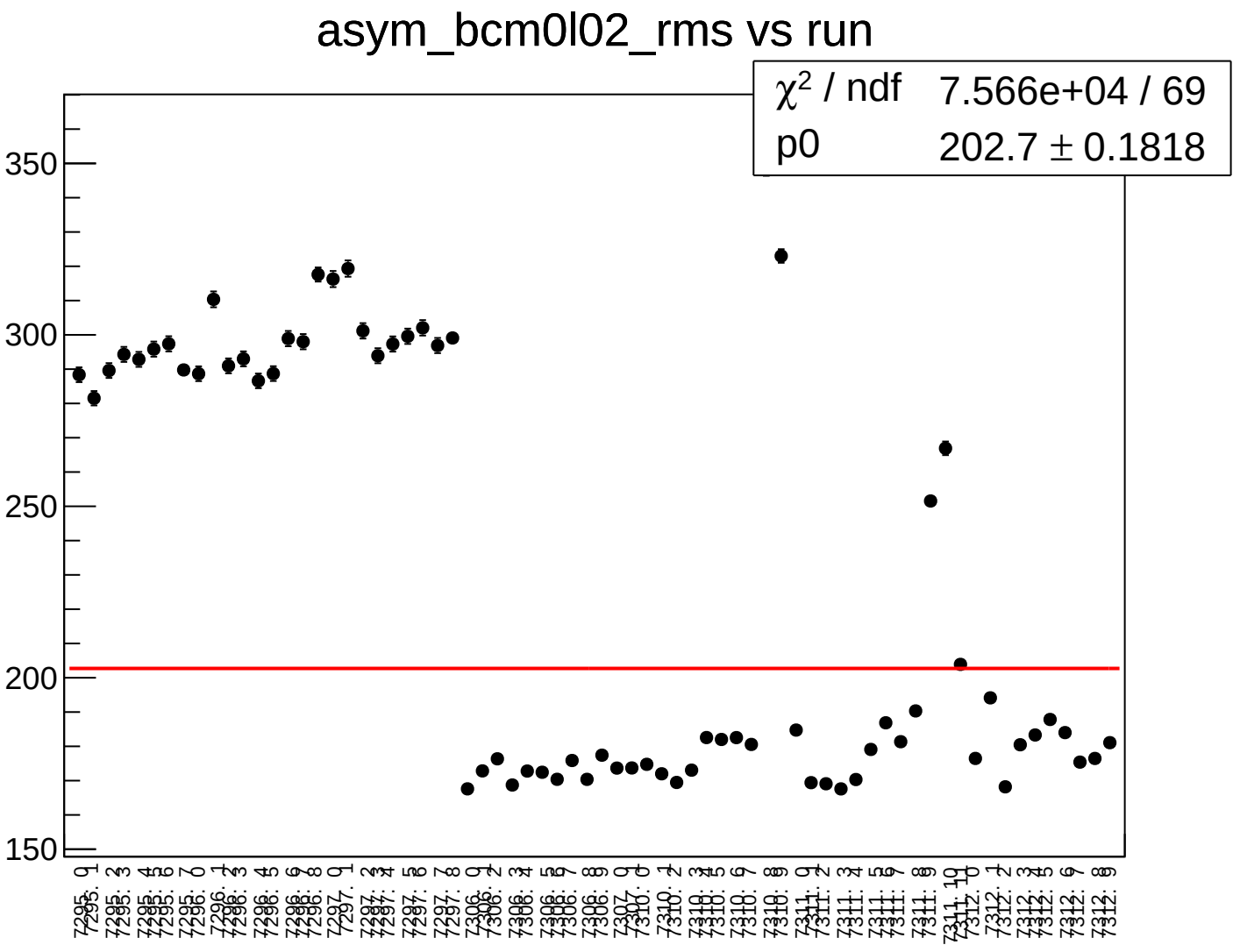

asym_cav4dQ_mean vs run
χ² / ndf 45.19 / 69
p0 20.55 ± 423.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

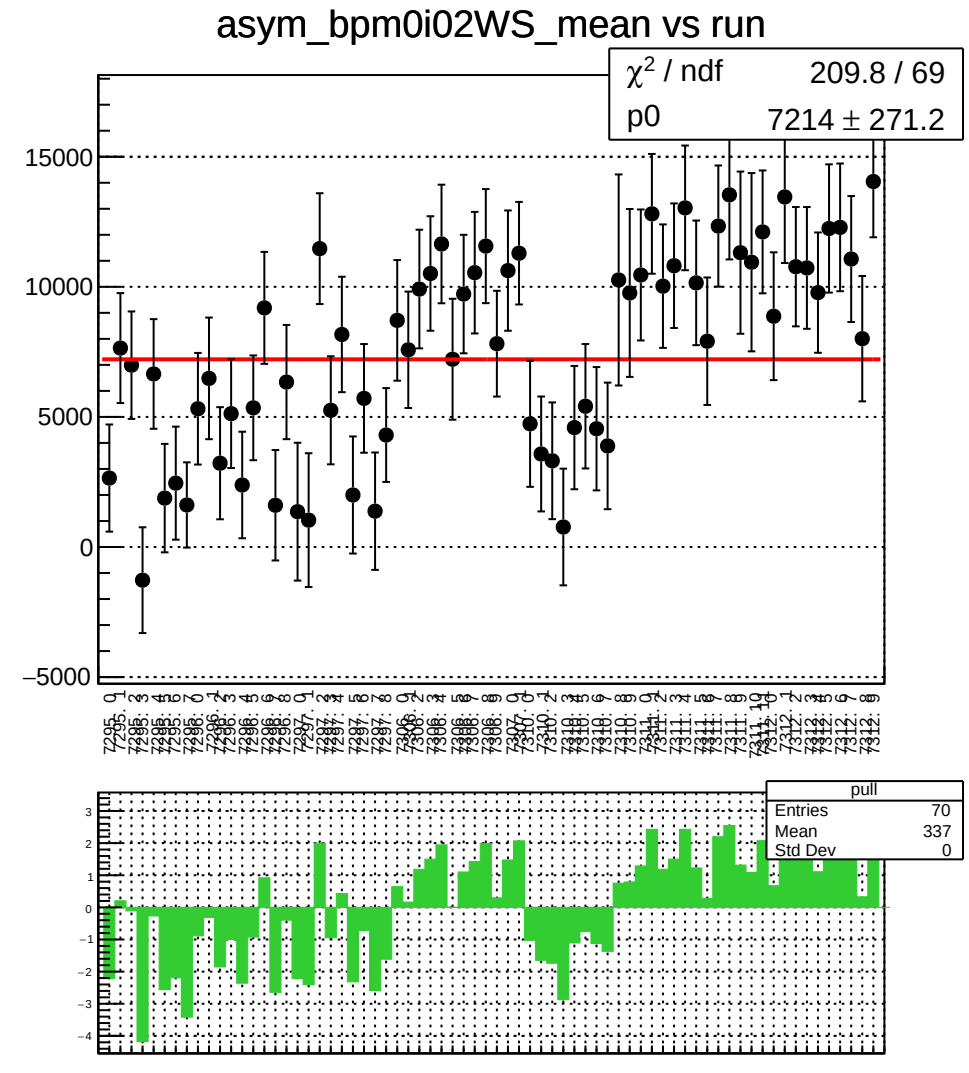

pull1D
Entries 70
Mean 0.009468
Std Dev 0.8034
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

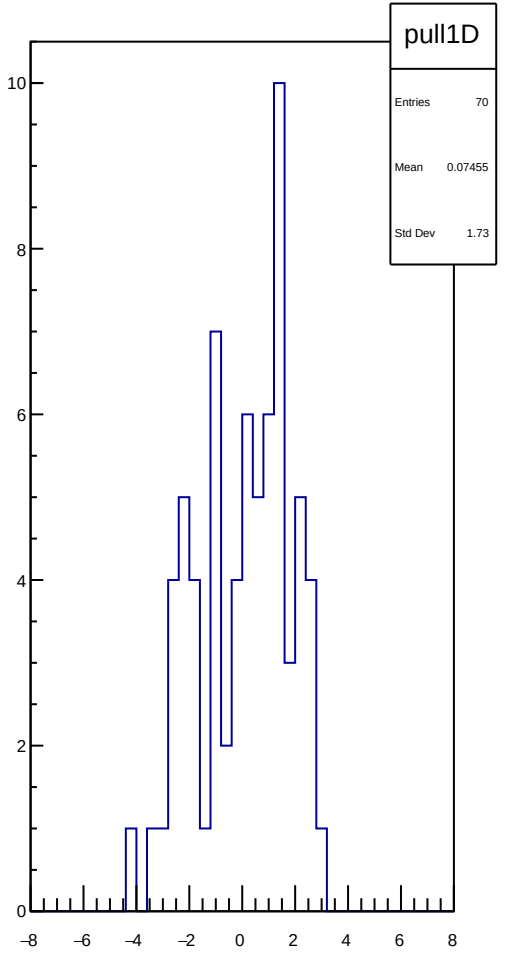

asym_cav4dQ_rms vs run
χ² / ndf 2.028e+04 / 69
p0 341.1 ± 0.2993
440
420
400
380
360
340
320
300

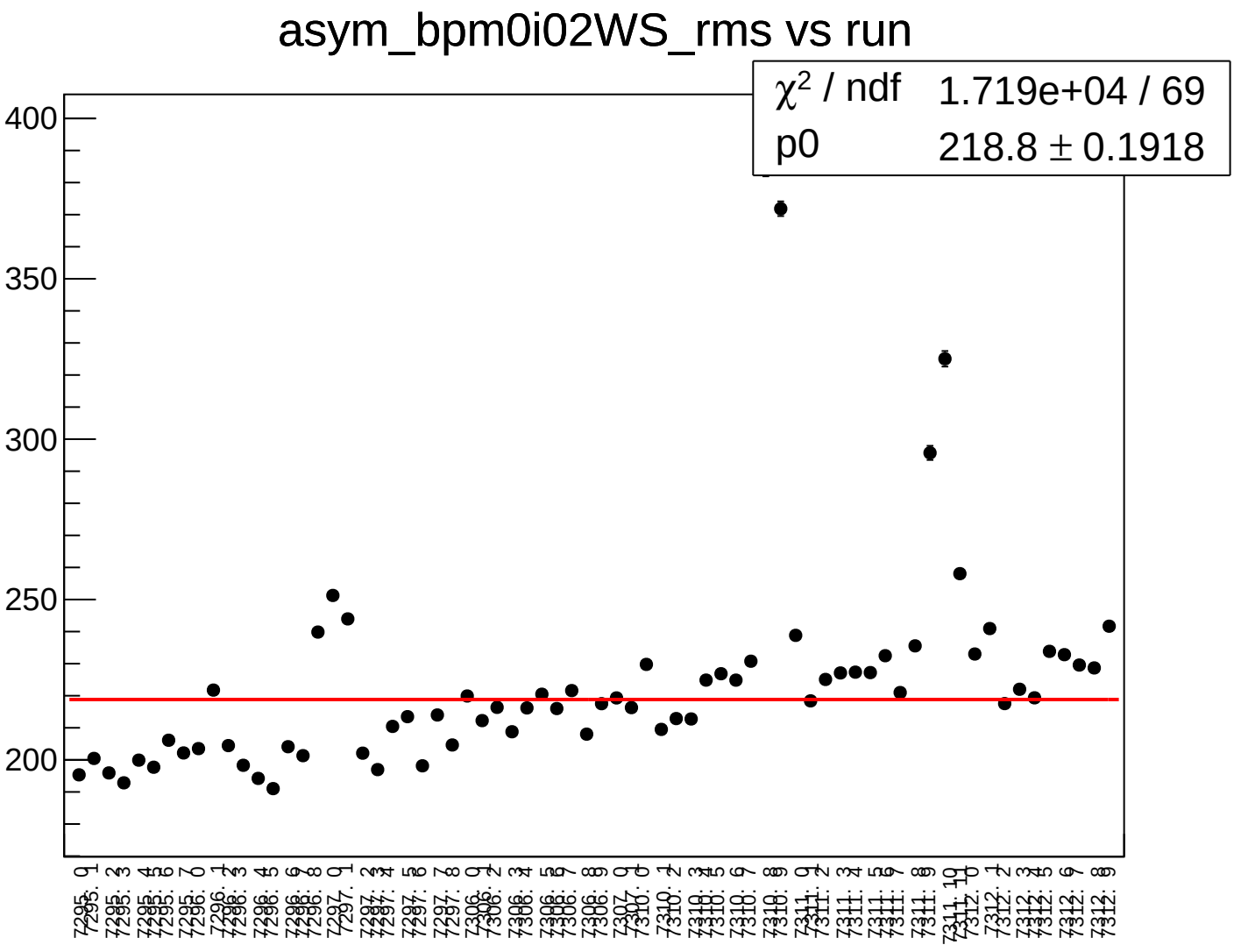

asym_bcm0l02_mean vs run
χ² / ndf 20.03 / 69
p0 1472 ± 257.1
pull
Entries 70
Mean −77.93
Std Dev 0

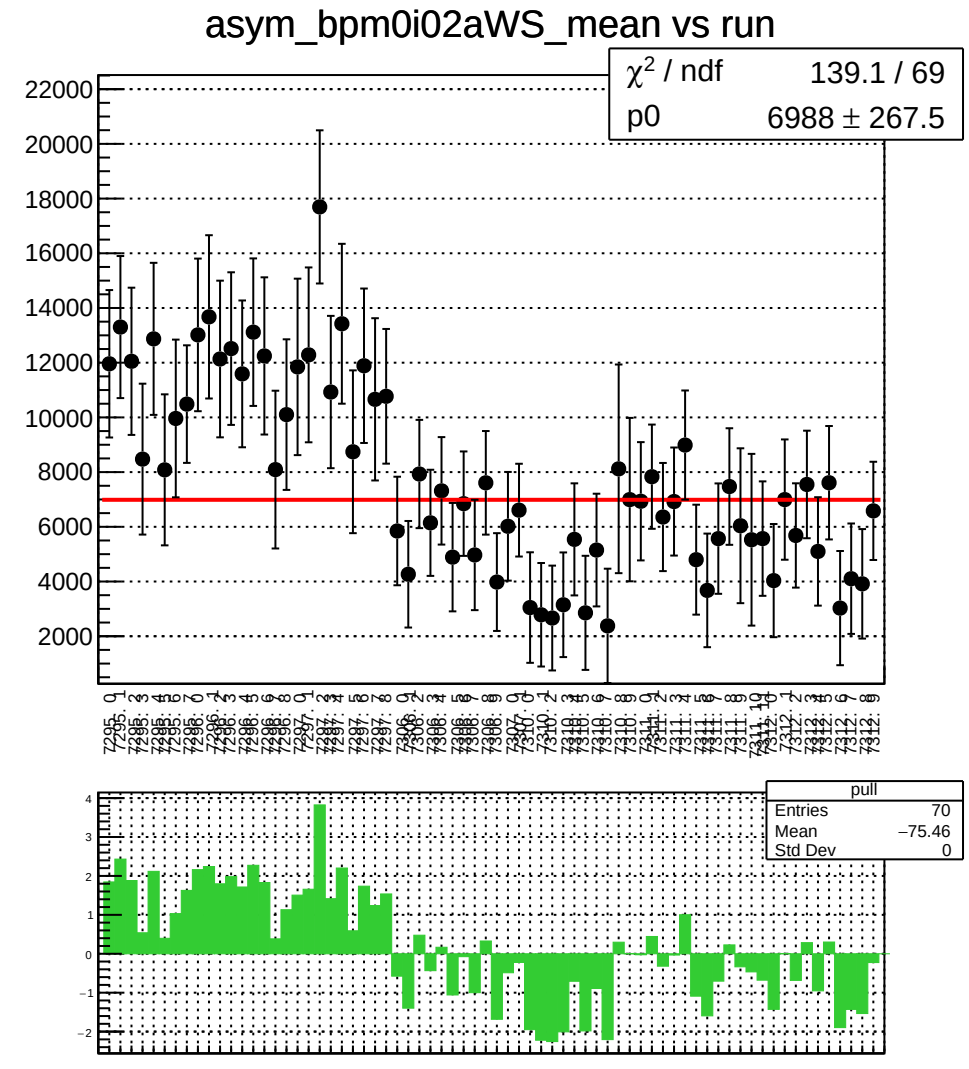

pull1D
Entries 70
Mean −0.04919
Std Dev 0.5326

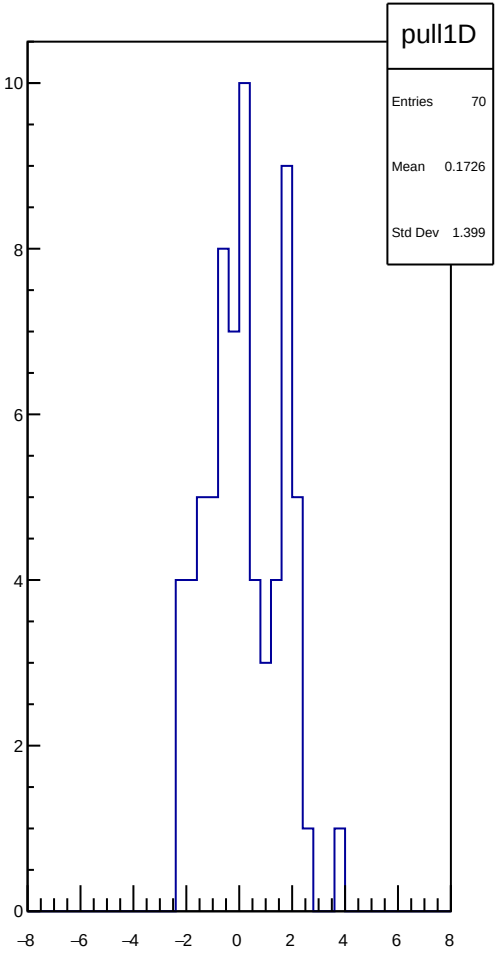

asym_bcm0l02_rms vs run
χ² / ndf 7.566e+04 / 69
p0 202.7 ± 0.1818
350
300
250
200
150

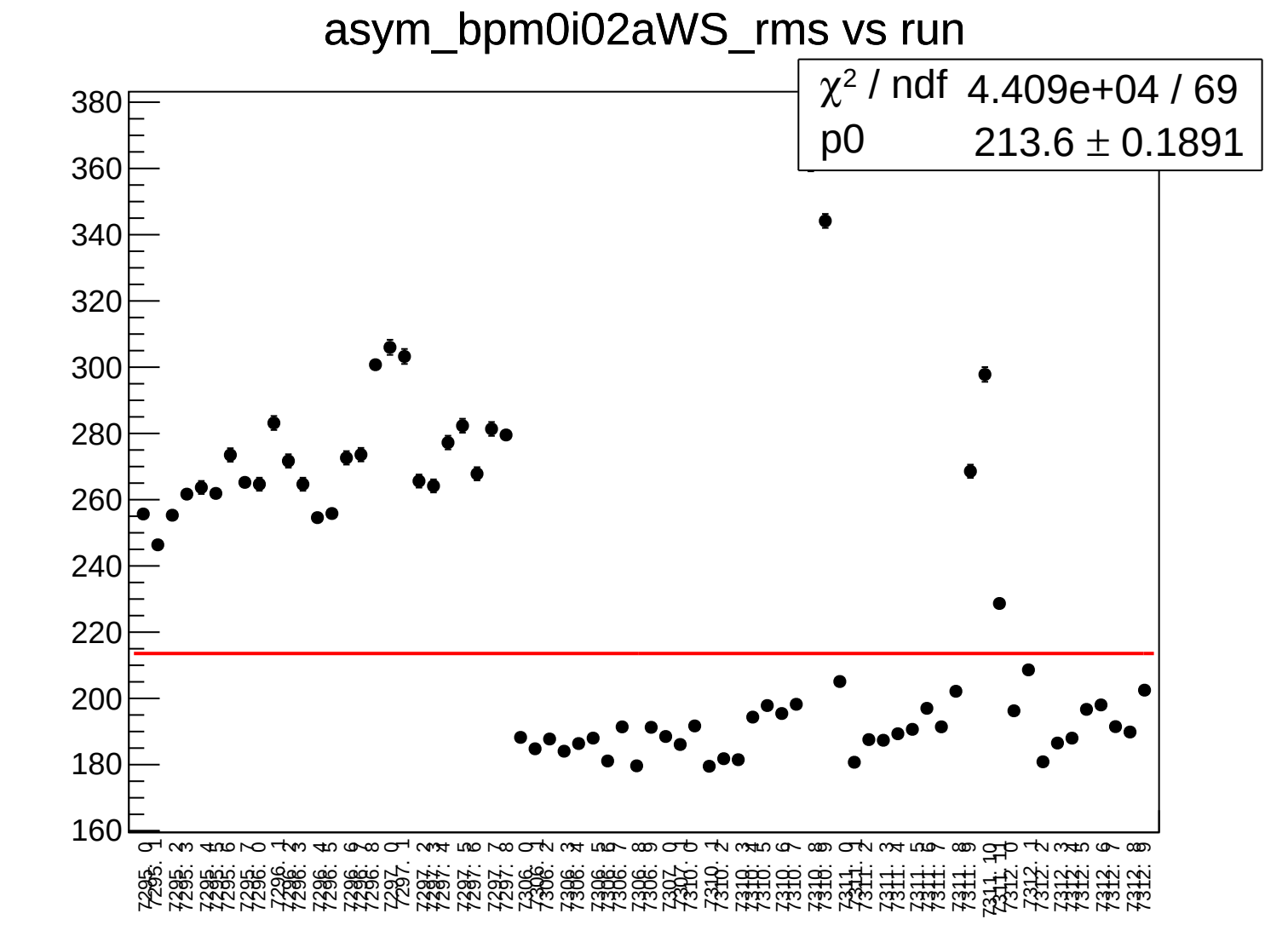

asym_bpm0i02WS_mean vs run
χ² / ndf 209.8 / 69
p0 7214 ± 271.2
15000
10000
5000
0
−5000
pull
Entries 70
Mean 337
Std Dev 0
3
2
1
0
−1
−2
−3
−4

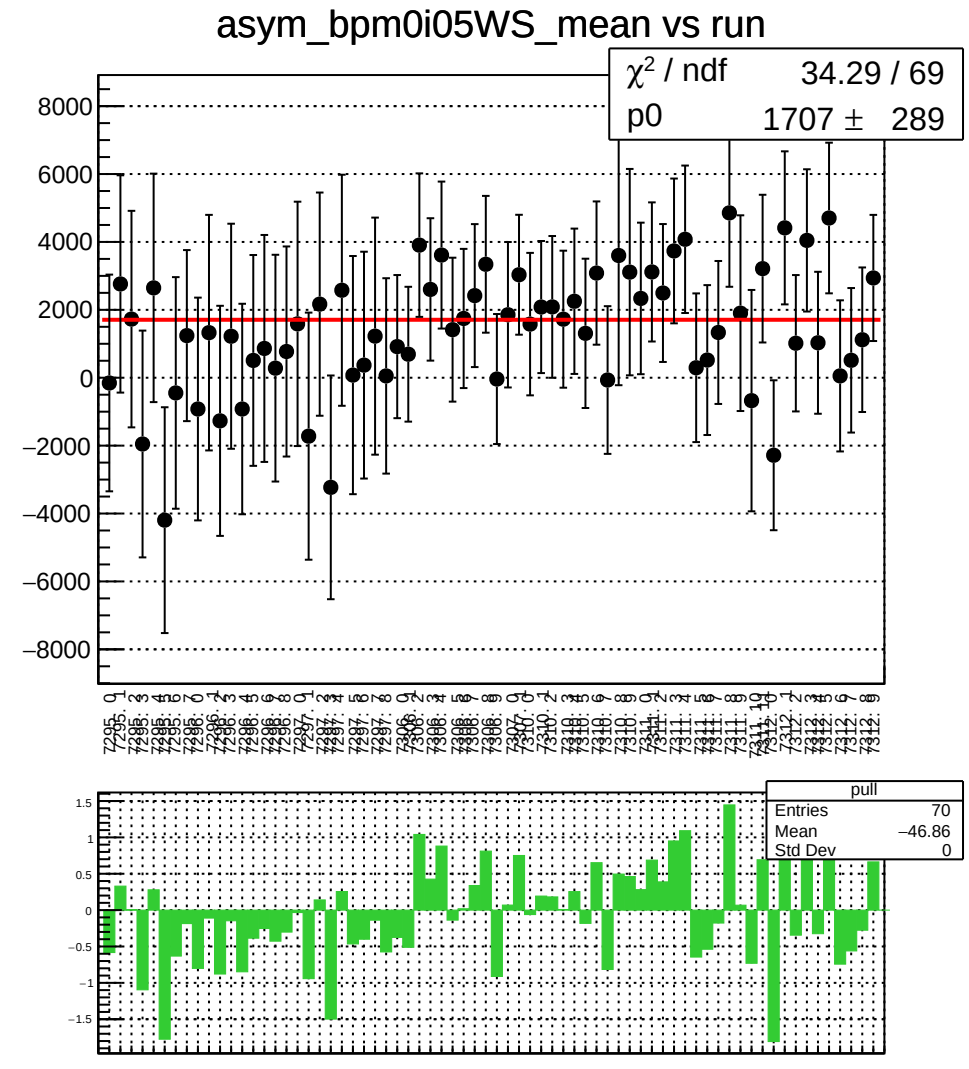

pull1D
Entries 70
Mean 0.07455
Std Dev 1.73
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

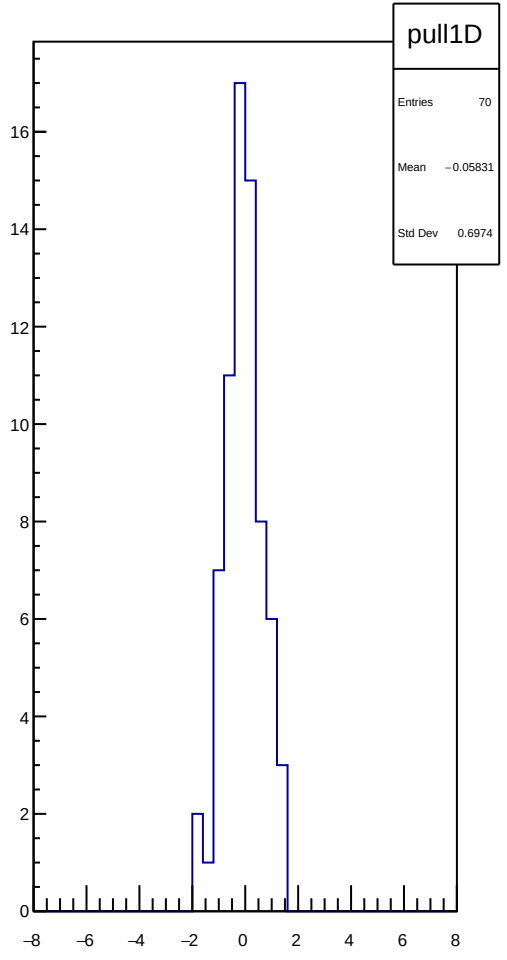

asym_bpm0i02WS_rms vs run
χ² / ndf 1.719e+04 / 69
p0 218.8 ± 0.1918
400
350
300
250
200

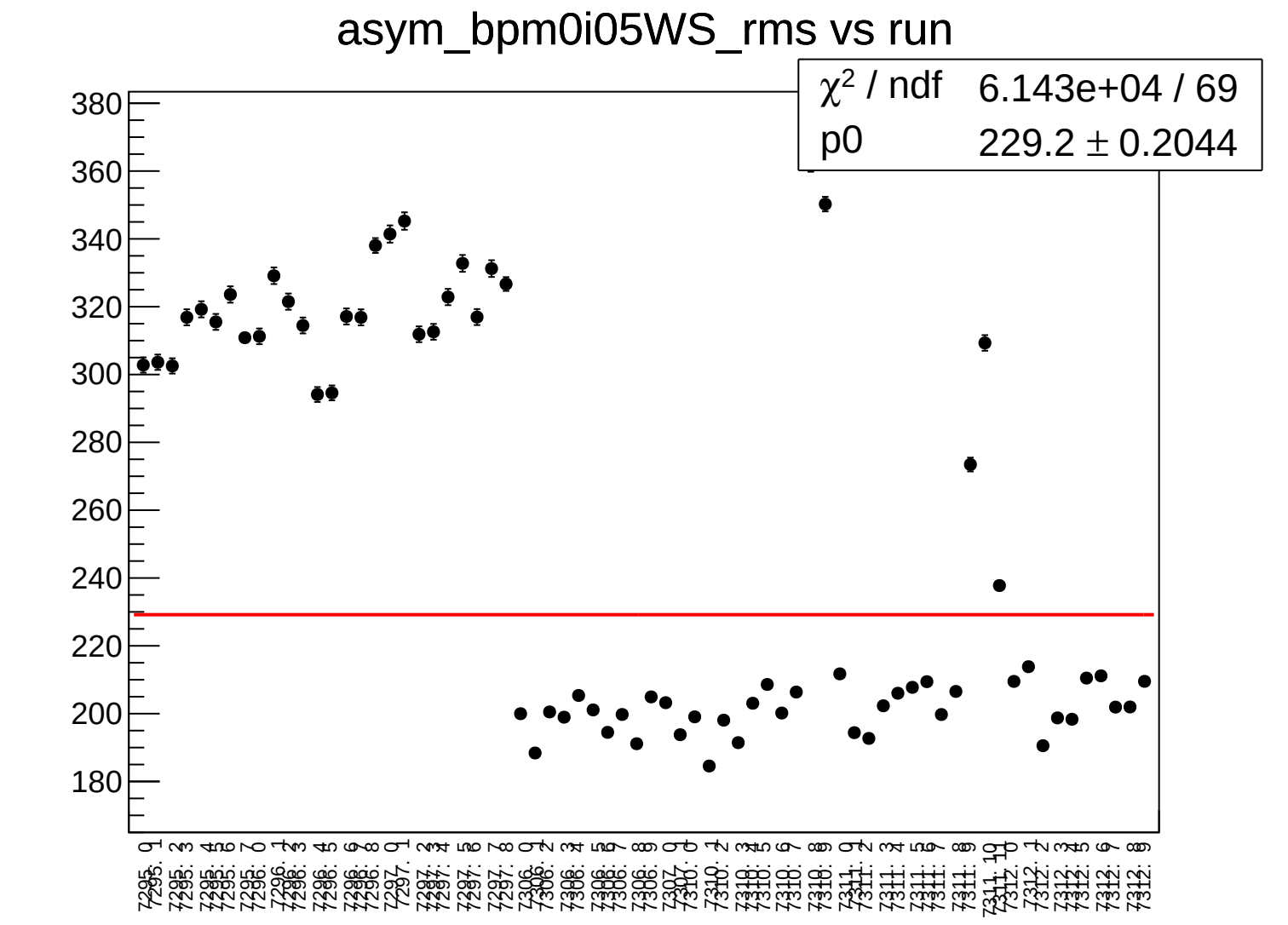

asym_bpm0i02aWS_mean vs run
χ² / ndf 139.1 / 69
p0 6988 ± 267.5
pull
Entries 70
Mean −75.46
Std Dev 0

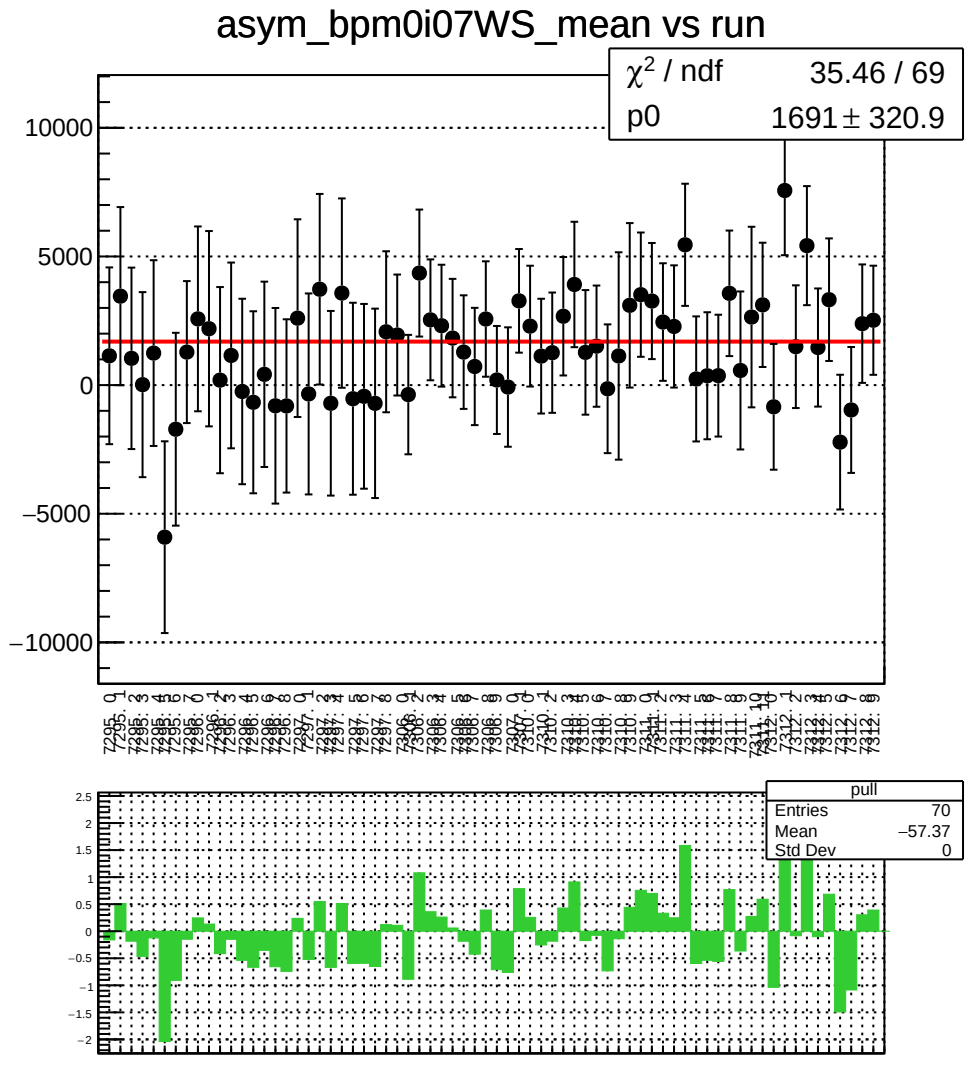

pull1D
Entries 70
Mean 0.1726
Std Dev 1.399

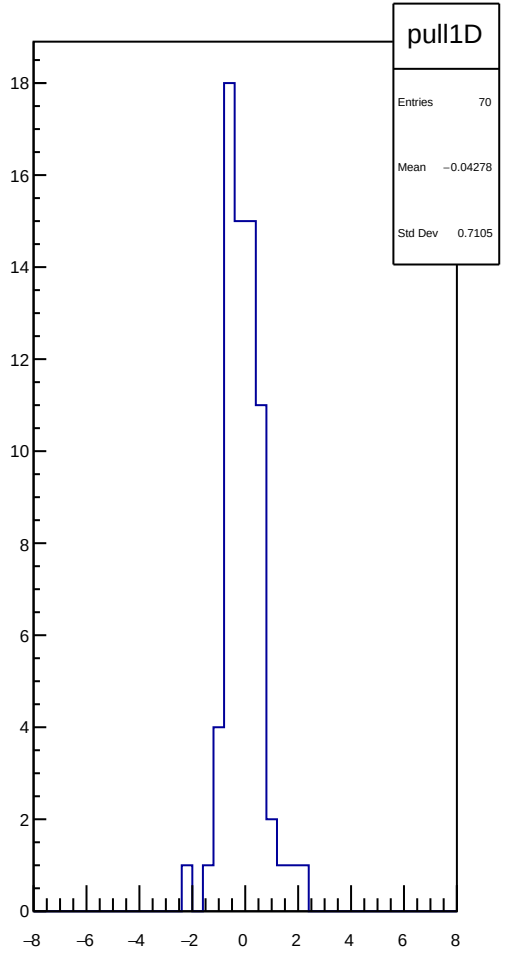

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.409e+04 / 69
p0 213.6 ± 0.1891
380
360
340
320
300
280
260
240
220
200
180
160

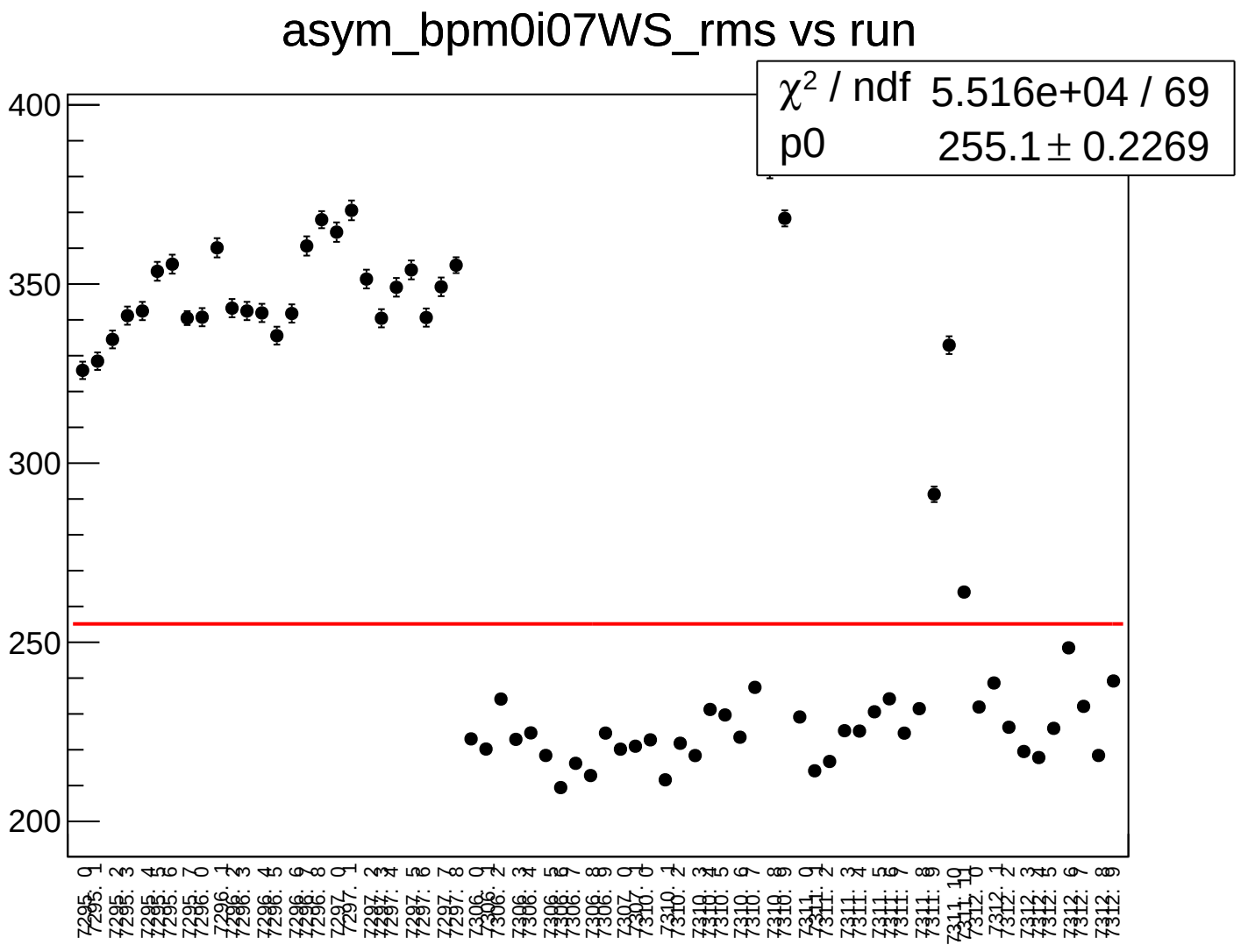

asym_bpm0i05WS_mean vs run
χ² / ndf 34.29 / 69
p0 1707 ± 289
pull
Entries 70
Mean −46.86
Std Dev 0

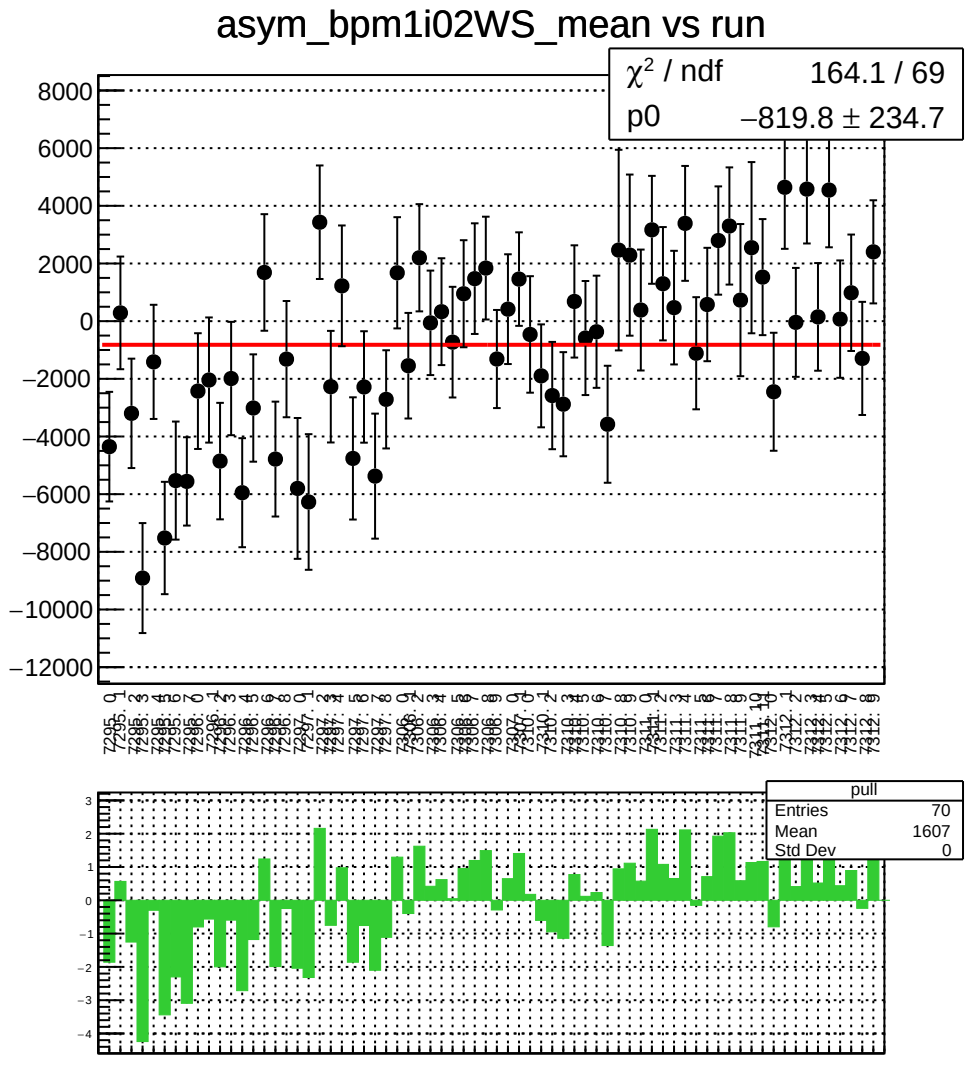

pull1D
Entries 70
Mean −0.05831
Std Dev 0.6974

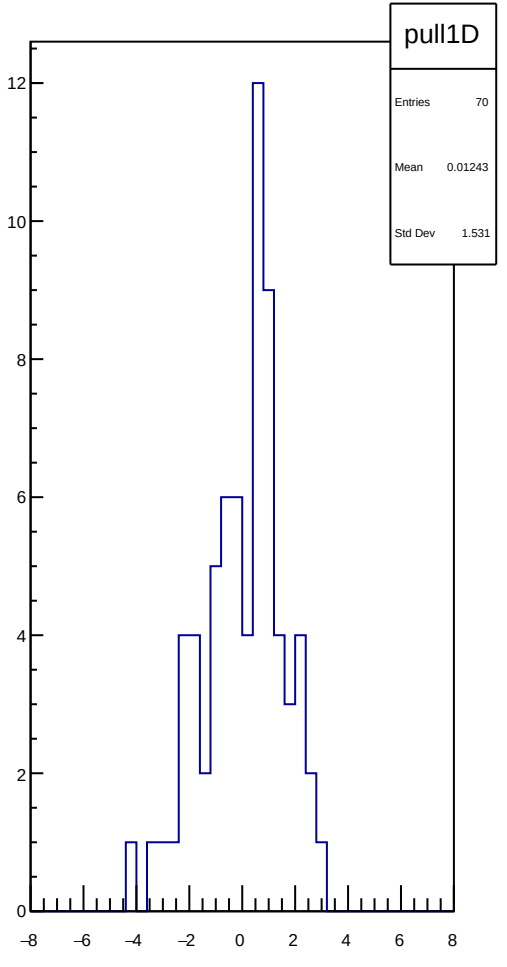

asym_bpm0i05WS_rms vs run
χ^2 / ndf 6.143e+04 / 69
p0 229.2 ± 0.2044
380
360
340
320
300
280
260
240
220
200
180

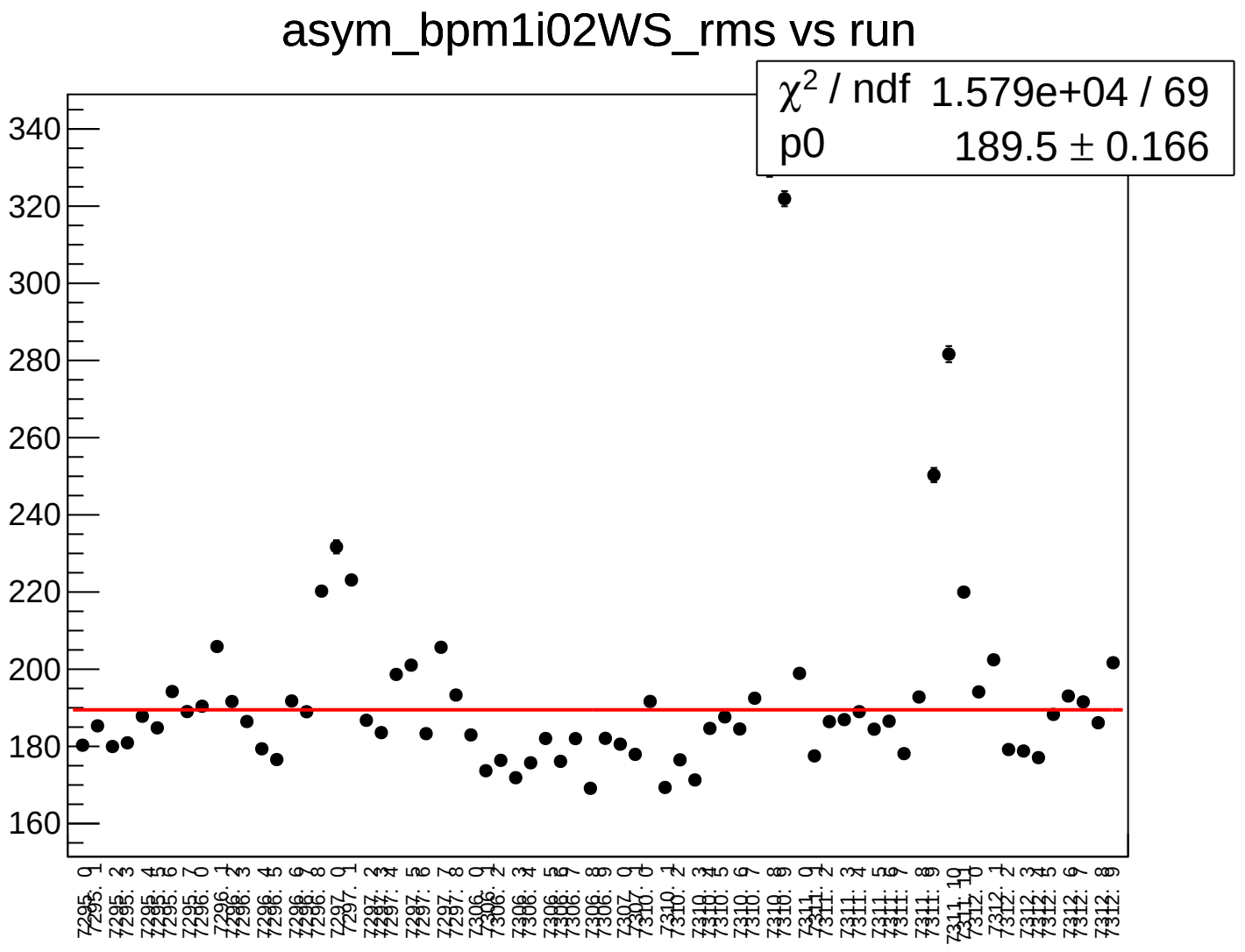

asym_bpm0i07WS_mean vs run
χ² / ndf 35.46 / 69
p0 1691 ± 320.9
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −57.37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

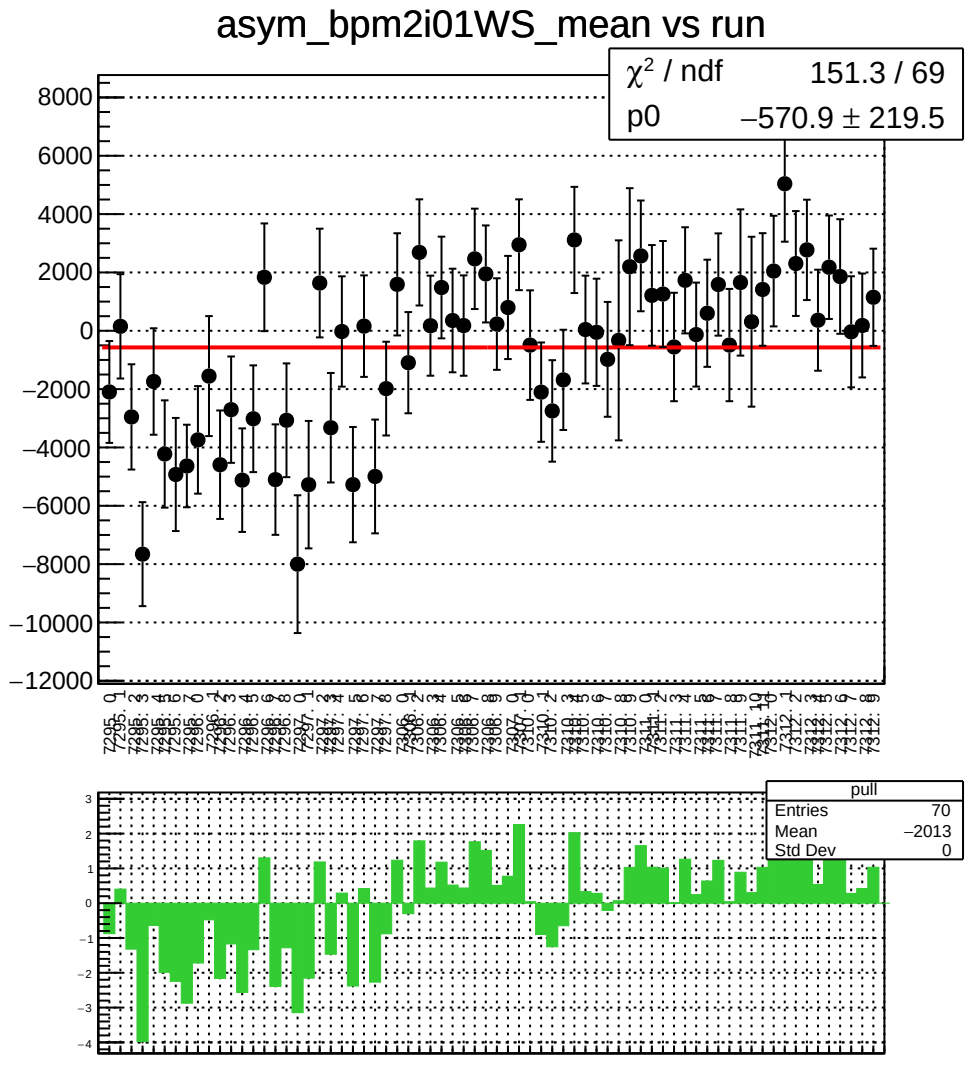

pull1D
Entries 70
Mean −0.04278
Std Dev 0.7105
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

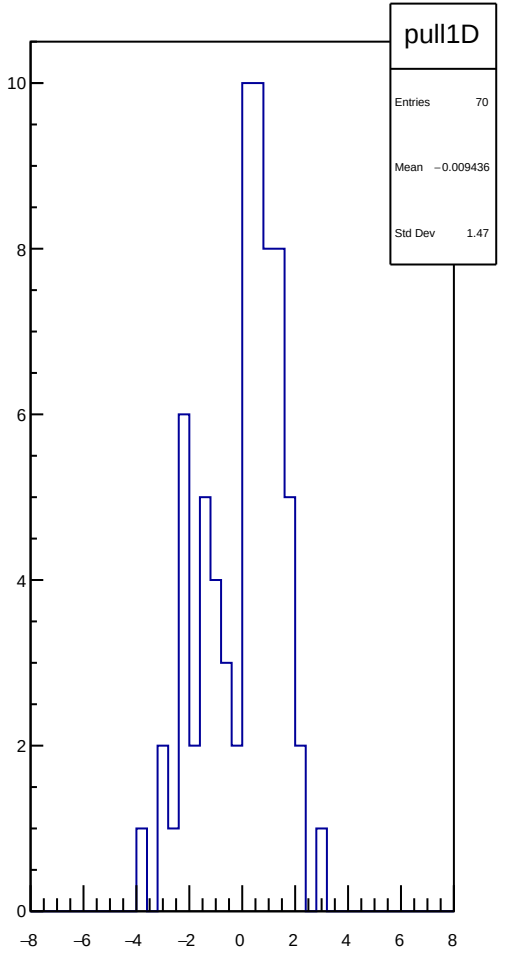

asym_bpm0i07WS_rms vs run
χ² / ndf 5.516e+04 / 69
p0 255.1 ± 0.2269
400
350
300
250
200

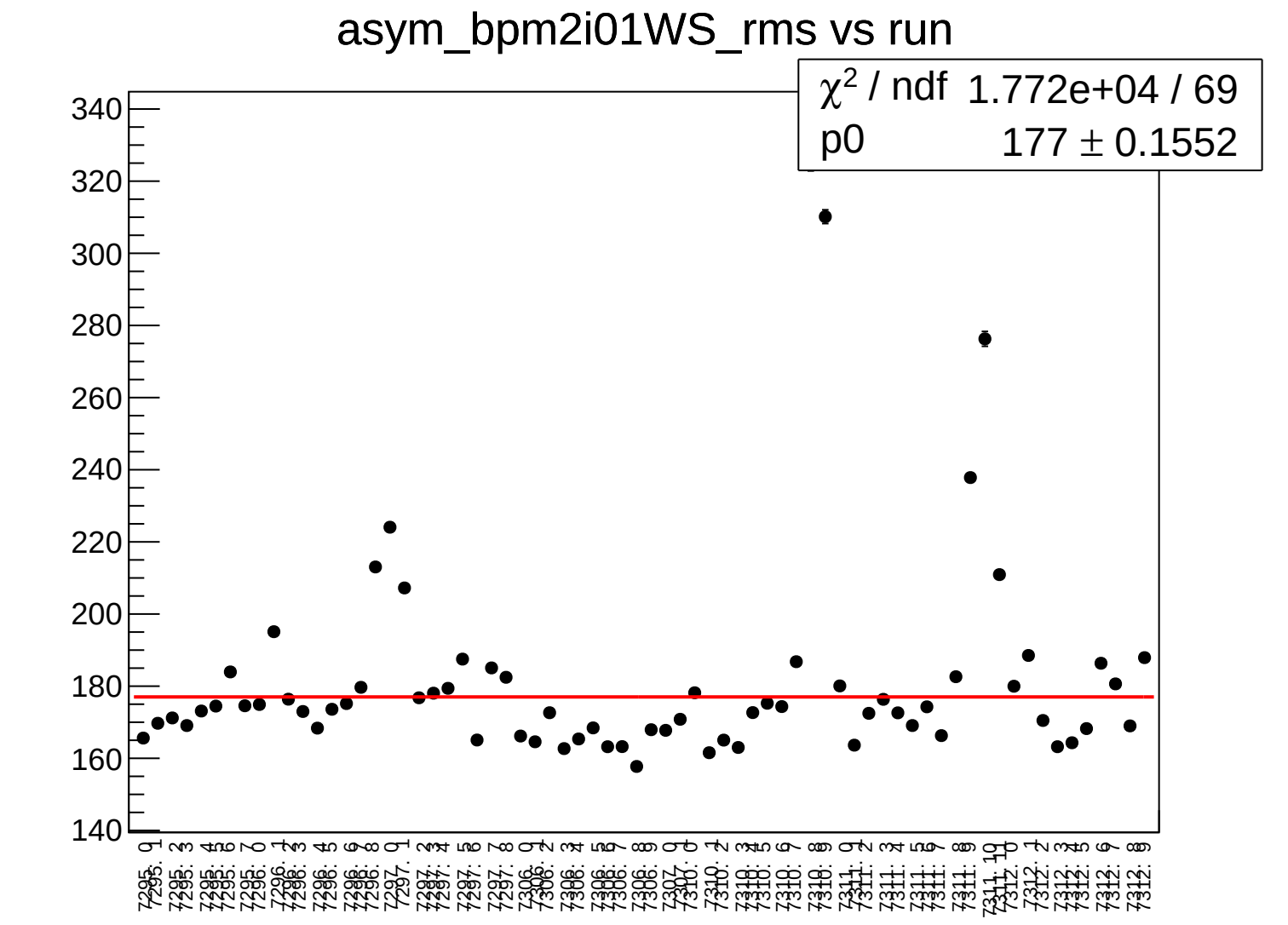

asym_bpm1i02WS_mean vs run
χ² / ndf 164.1 / 69
p0 −819.8 ± 234.7
pull
Entries 70
Mean 1607
Std Dev 0

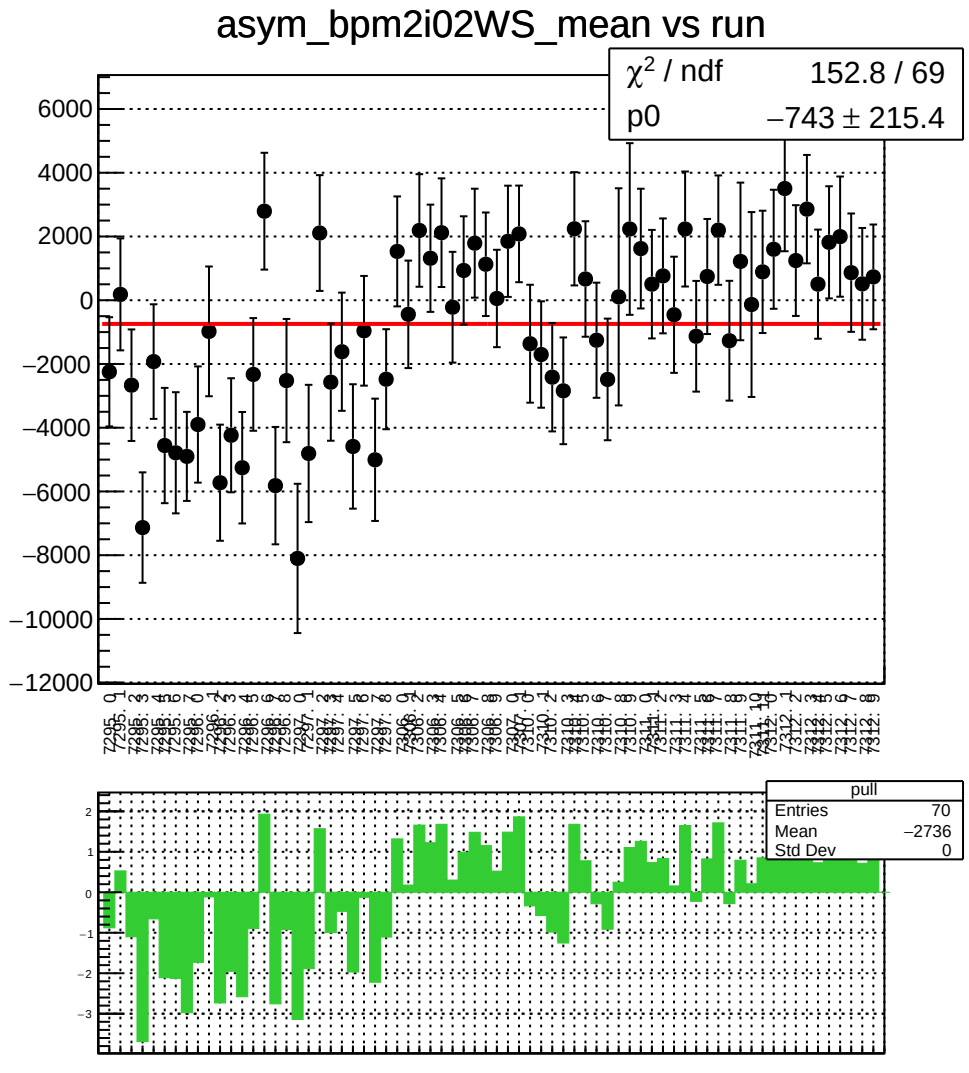

pull1D
Entries 70
Mean 0.01243
Std Dev 1.531

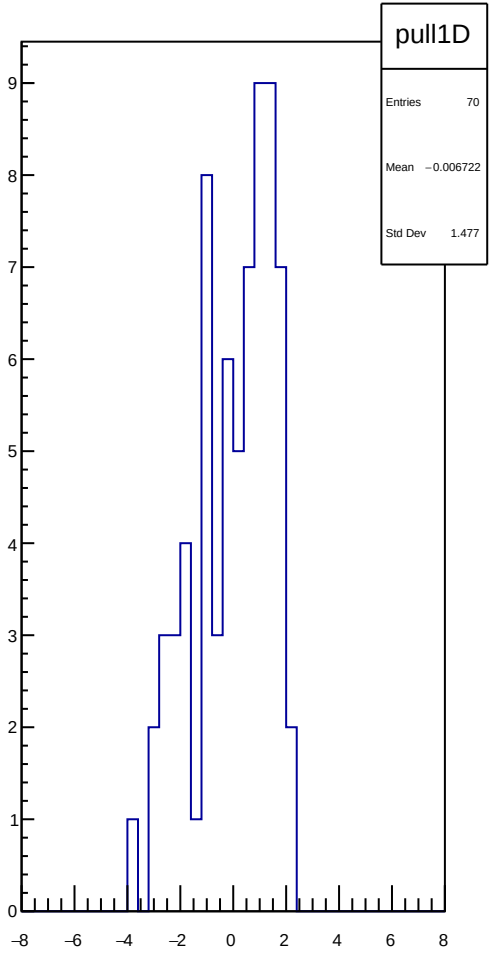

asym_bpm1i02WS_rms vs run
χ^2 / ndf 1.579e+04 / 69
p0 189.5 ± 0.166
340
320
300
280
260
240
220
200
180
160

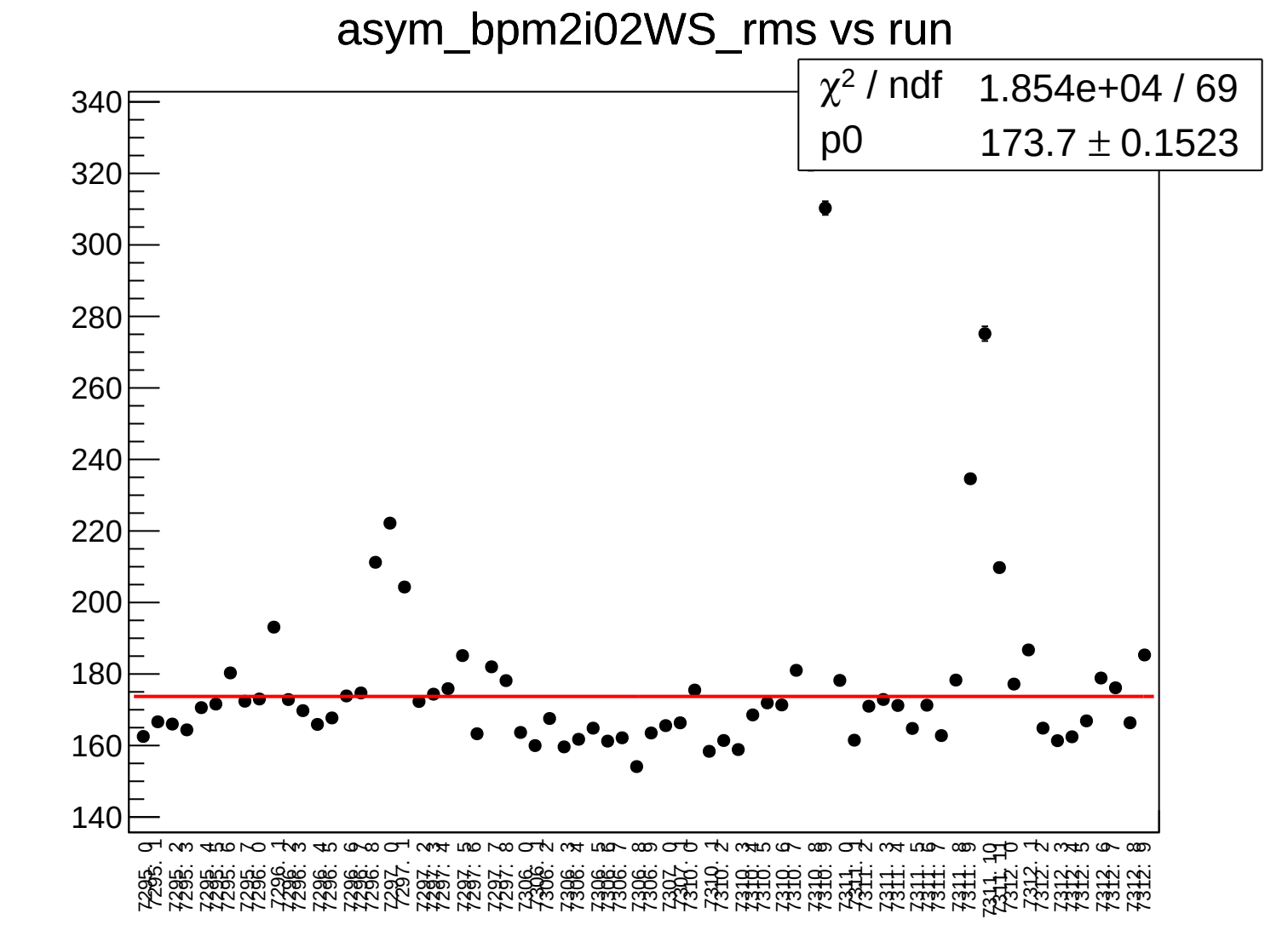

asym_bpm2i01WS_mean vs run
χ² / ndf 151.3 / 69
p0 −570.9 ± 219.5
pull
Entries 70
Mean −2013
Std Dev 0

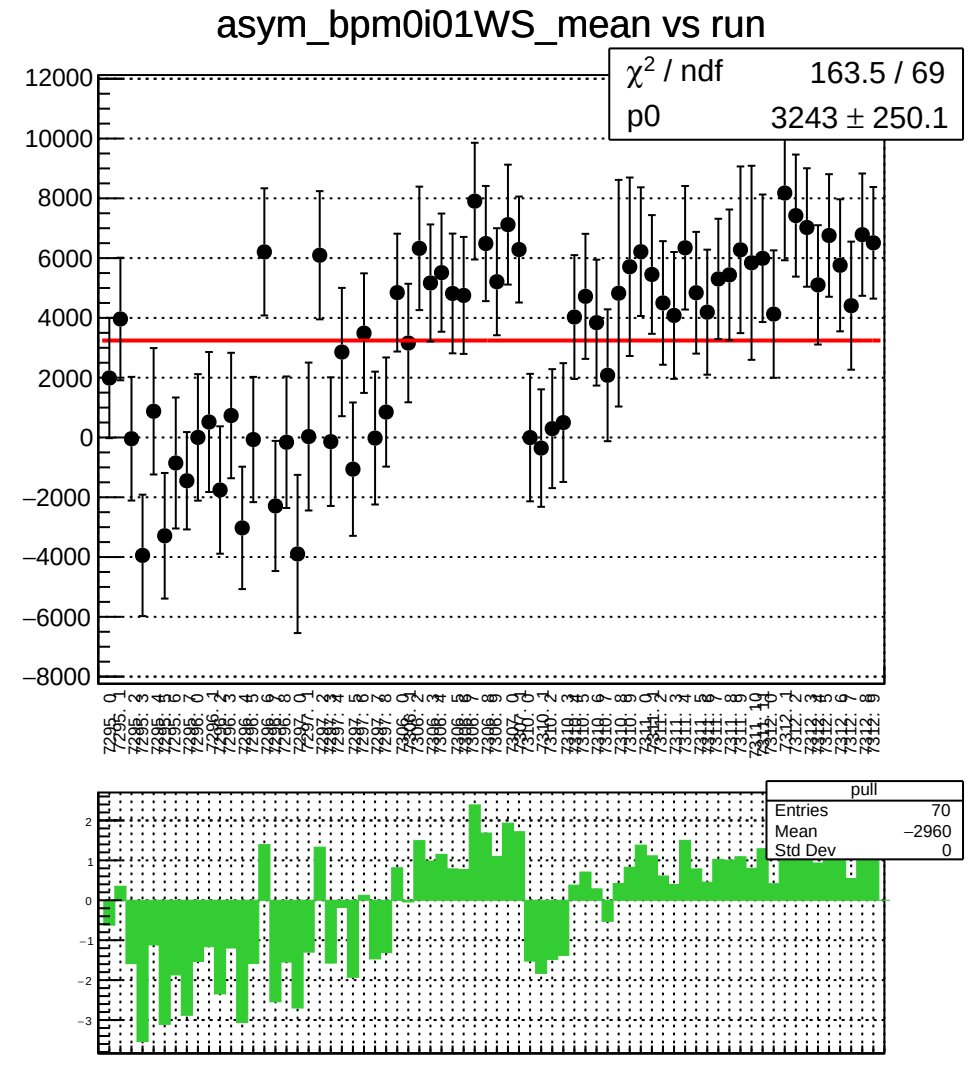

pull1D
Entries 70
Mean −0.009436
Std Dev 1.47

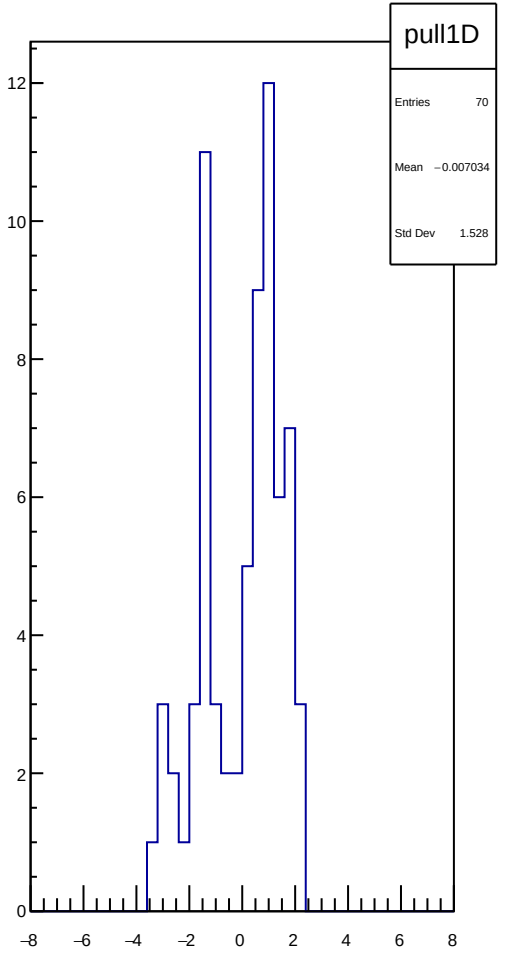

asym_bpm2i01WS_rms vs run
χ² / ndf 1.772e+04 / 69
p0 177 ± 0.1552
340
320
300
280
260
240
220
200
180
160
140

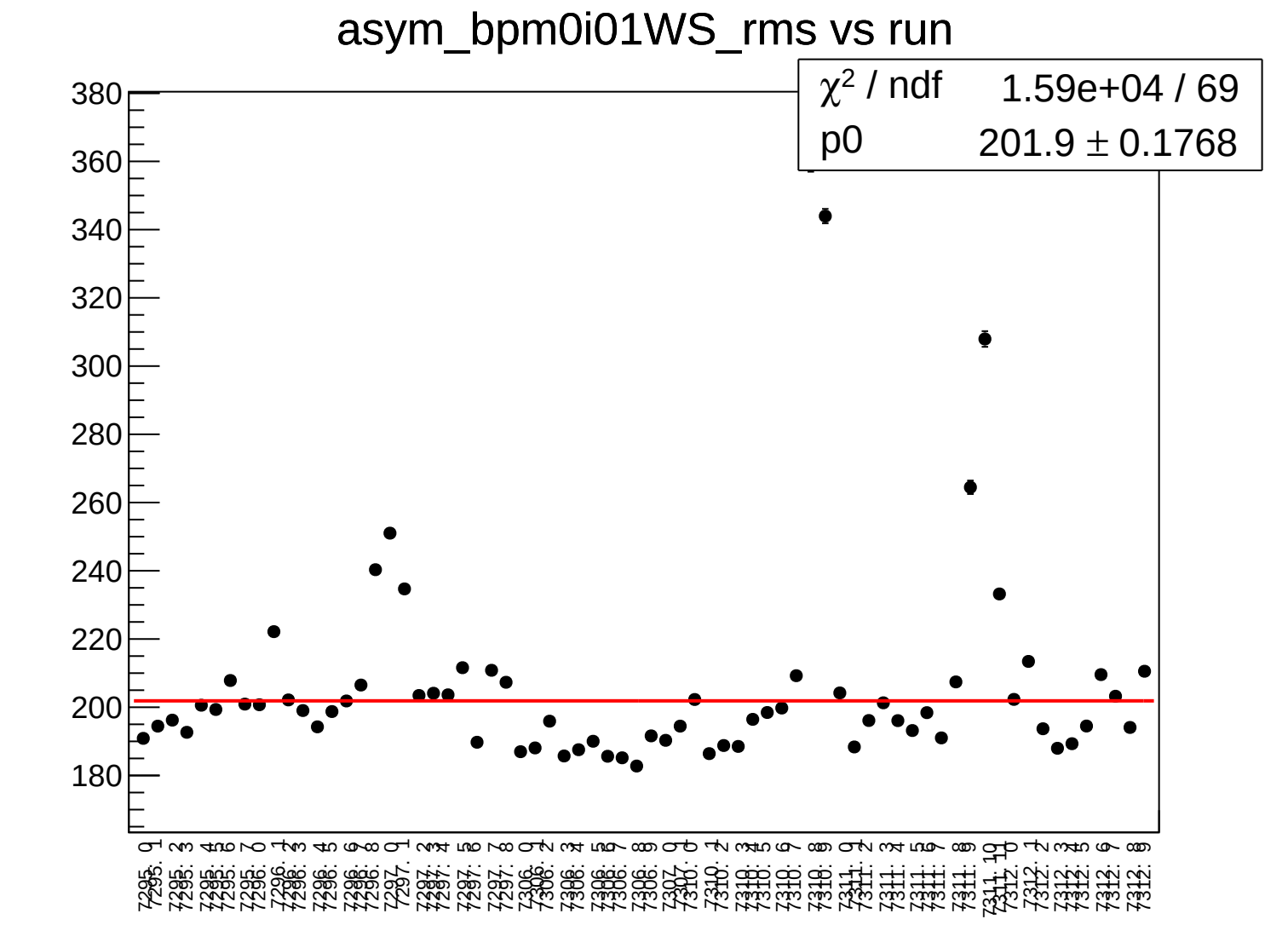

asym_bpm2i02WS_mean vs run
χ² / ndf 152.8 / 69
p0 −743 ± 215.4
pull
Entries 70
Mean −2736
Std Dev 0

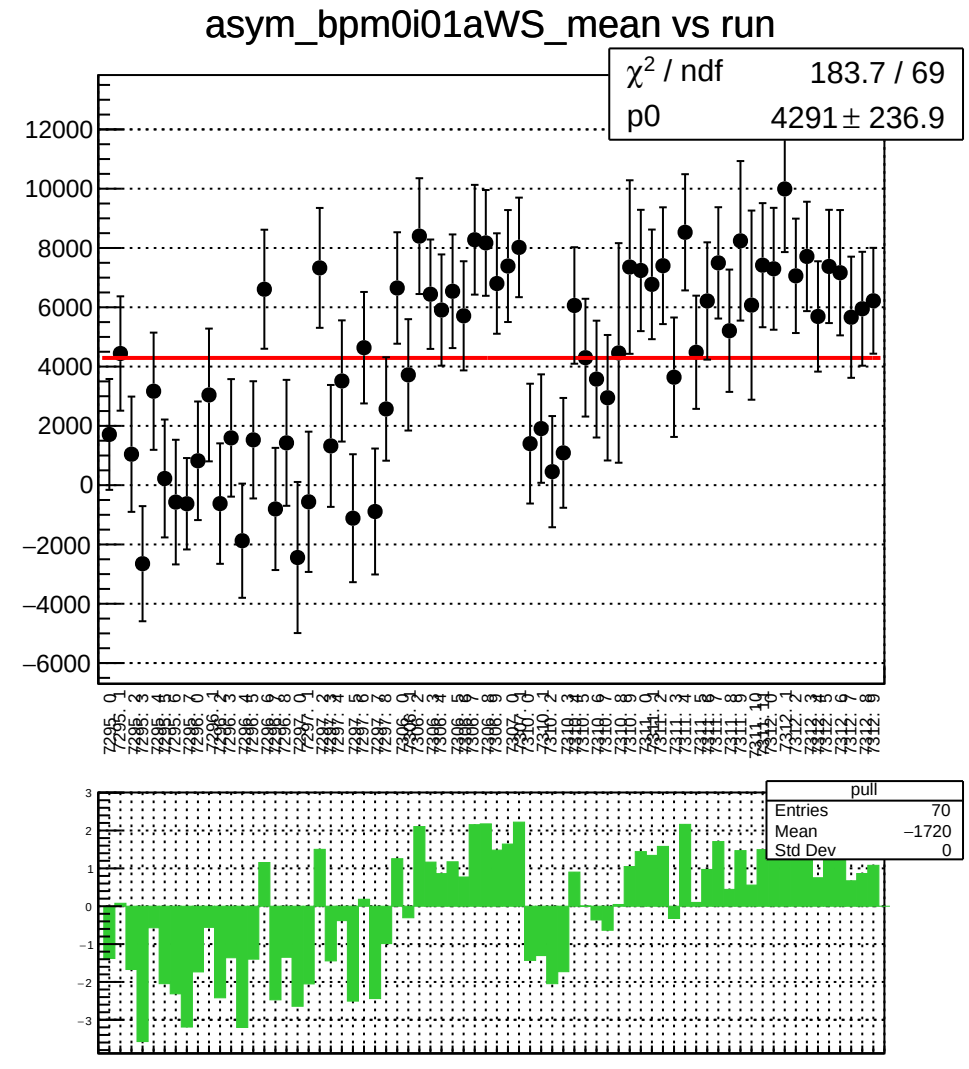

pull1D
Entries 70
Mean −0.006722
Std Dev 1.477

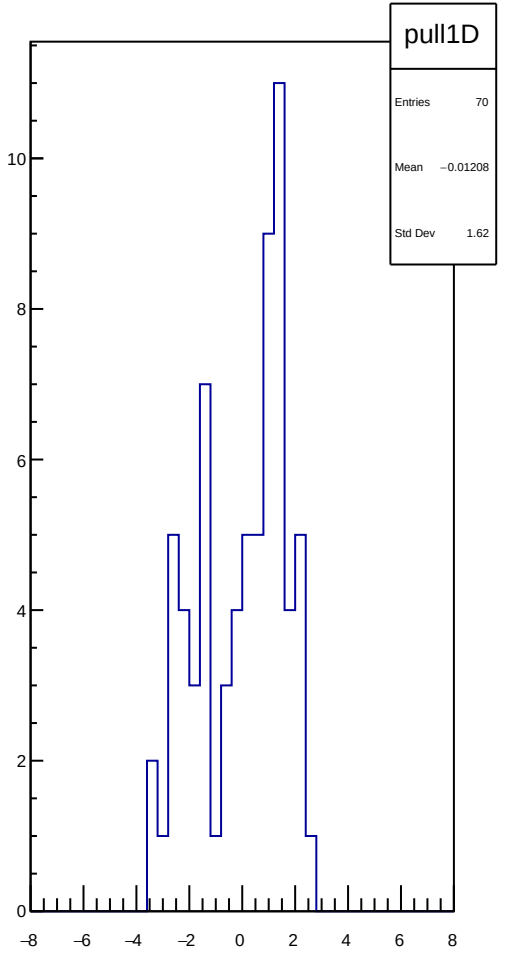

asym_bpm2i02WS_rms vs run
χ^2 / ndf 1.854e+04 / 69
p0 173.7 ± 0.1523
340
320
300
280
260
240
220
200
180
160
140

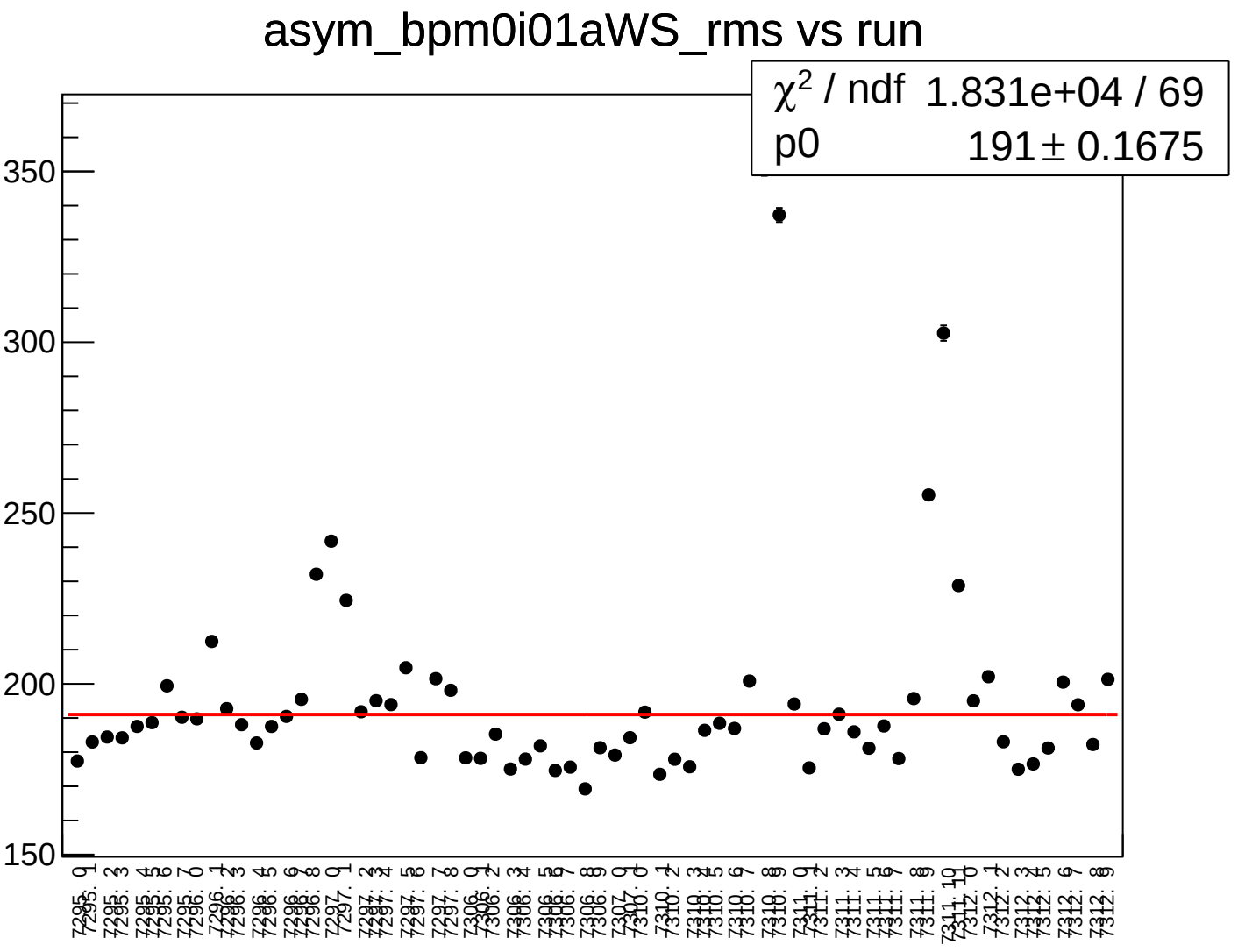

asym_bpm0i01WS_mean vs run
χ² / ndf 163.5 / 69
p0 3243 ± 250.1
pull
Entries 70
Mean −2960
Std Dev 0

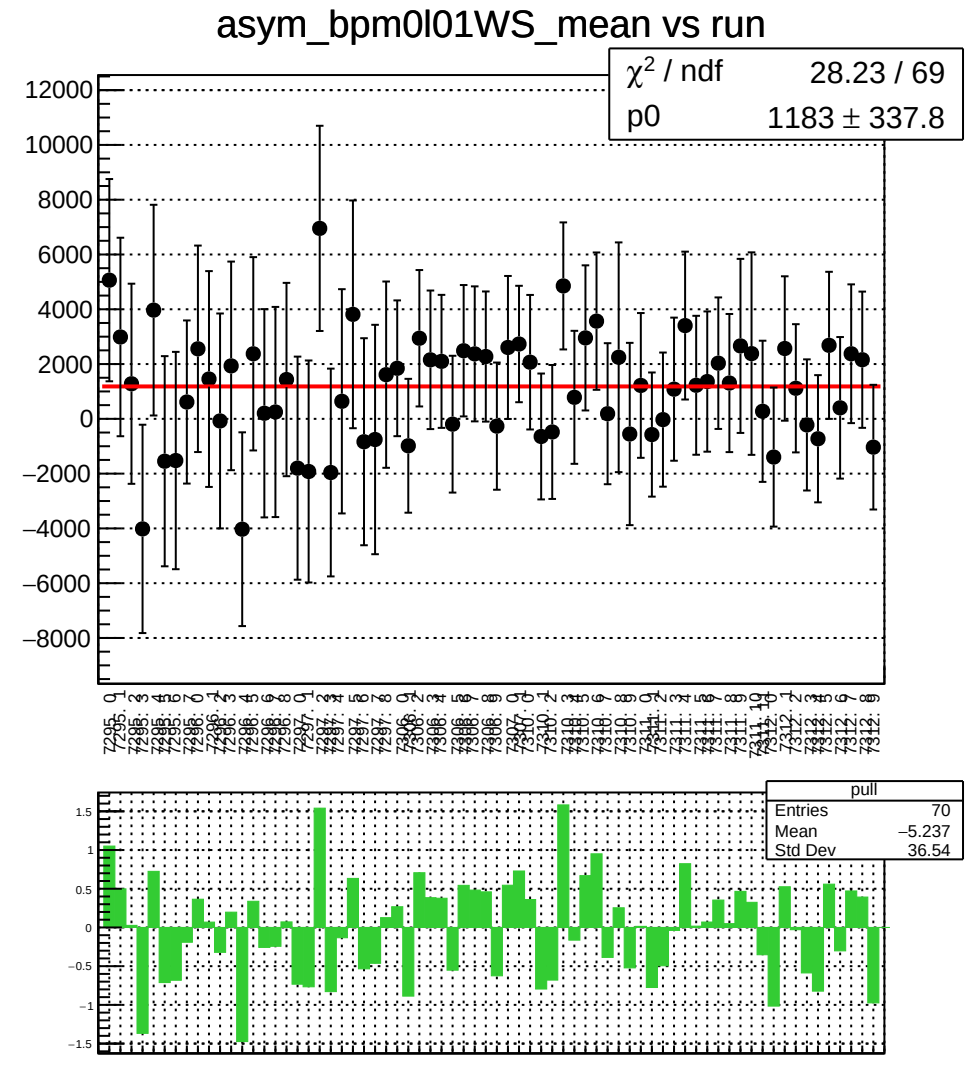

pull1D
Entries 70
Mean −0.007034
Std Dev 1.528

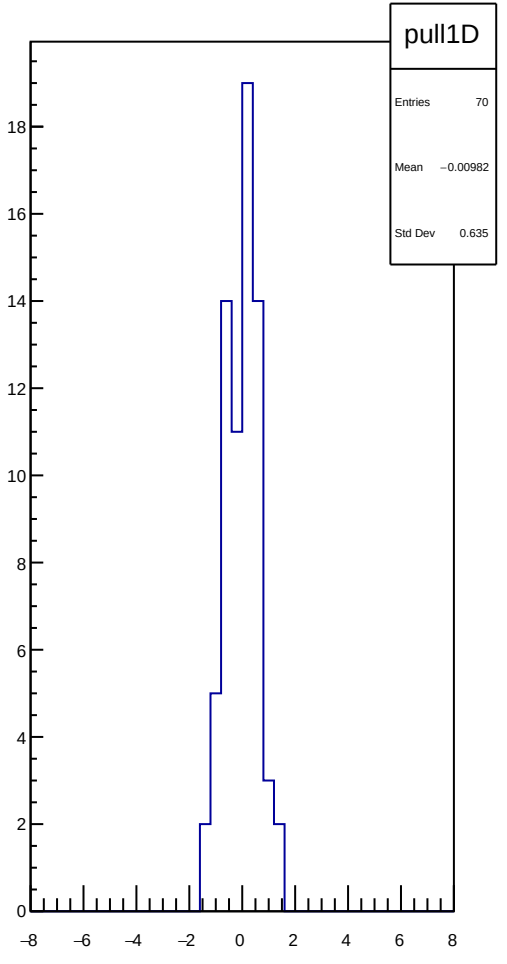

asym_bpm0i01WS_rms vs run
χ^2 / ndf 1.59e+04 / 69
p0 201.9 ± 0.1768
380
360
340
320
300
280
260
240
220
200
180

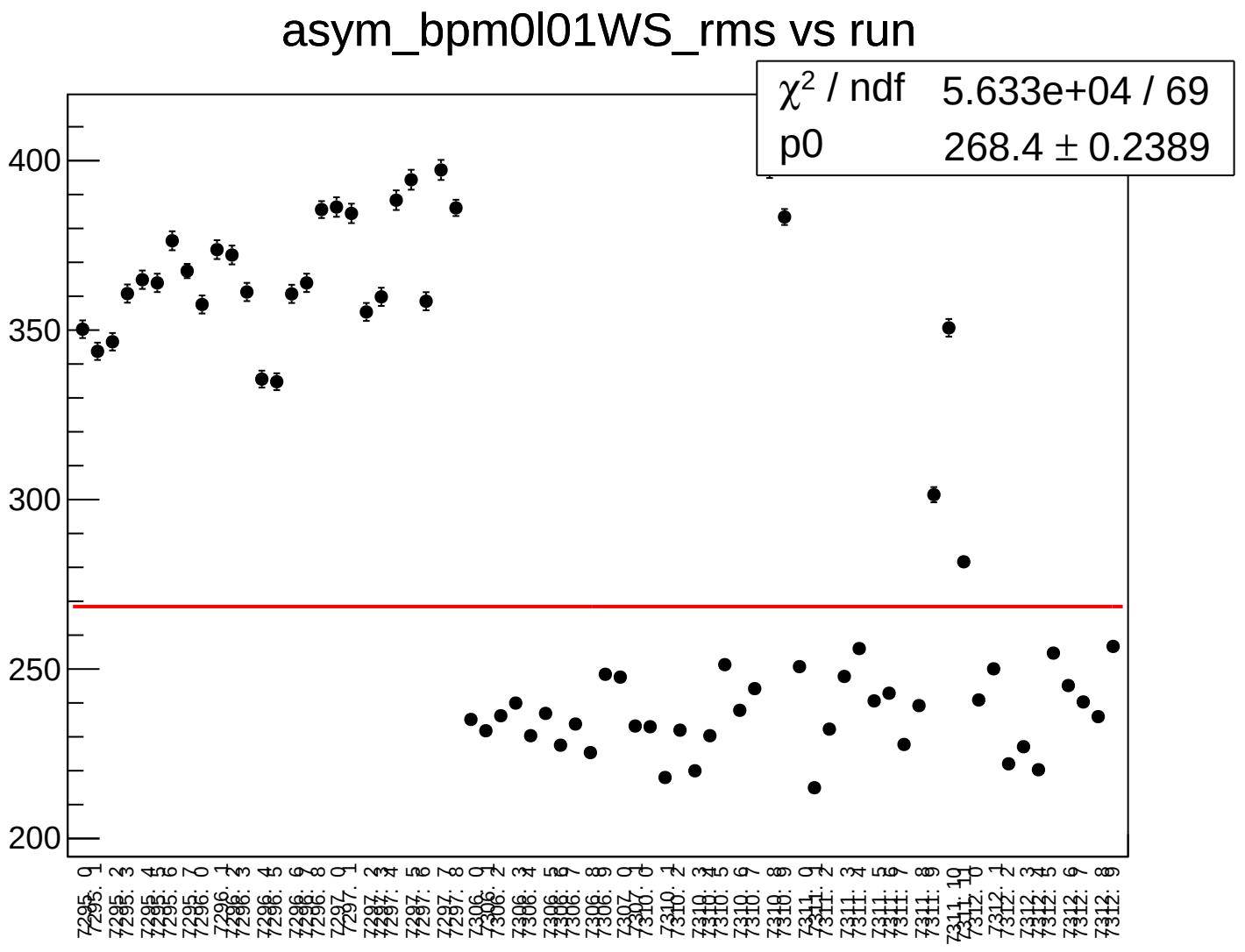

asym_bpm0i01aWS_mean vs run
χ² / ndf 183.7 / 69
p0 4291 ± 236.9
pull
Entries 70
Mean −1720
Std Dev 0

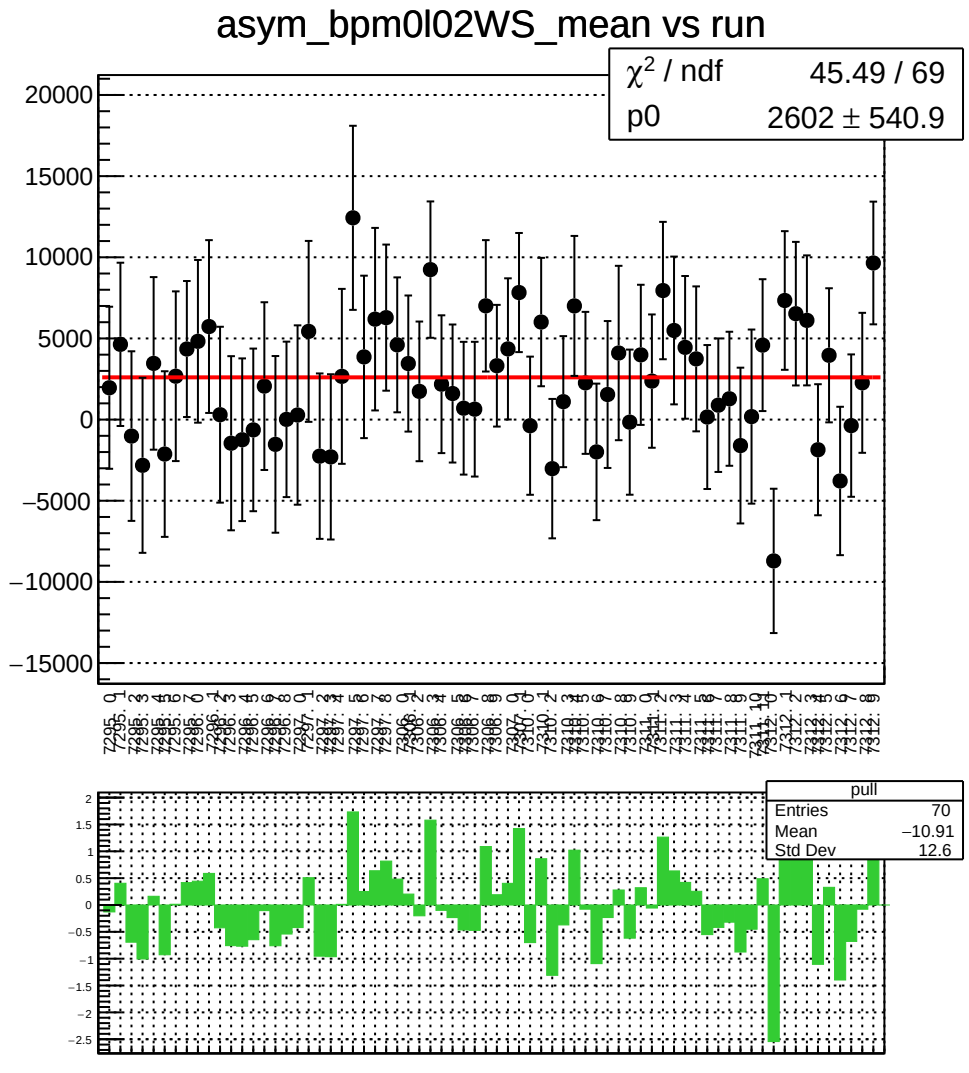

pull1D
Entries 70
Mean −0.01208
Std Dev 1.62

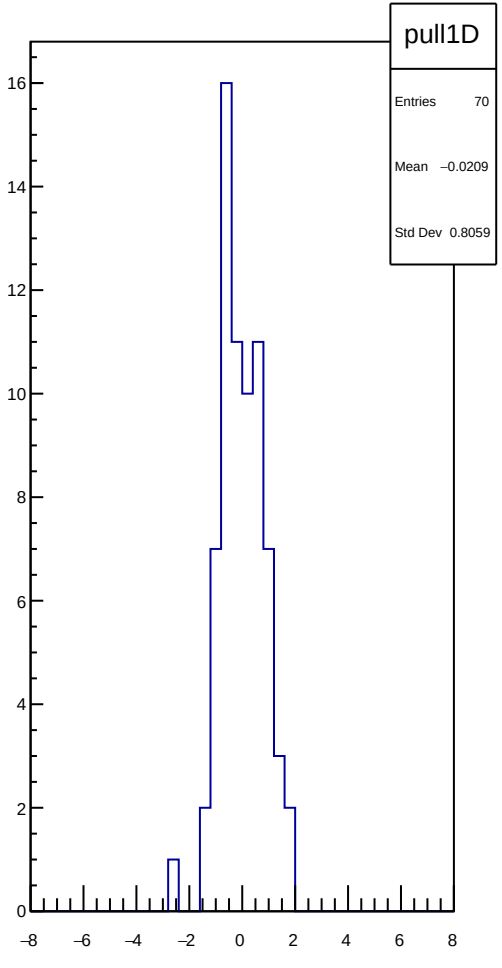

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.831e+04 / 69
p0 191 ± 0.1675
350
300
250
200
150

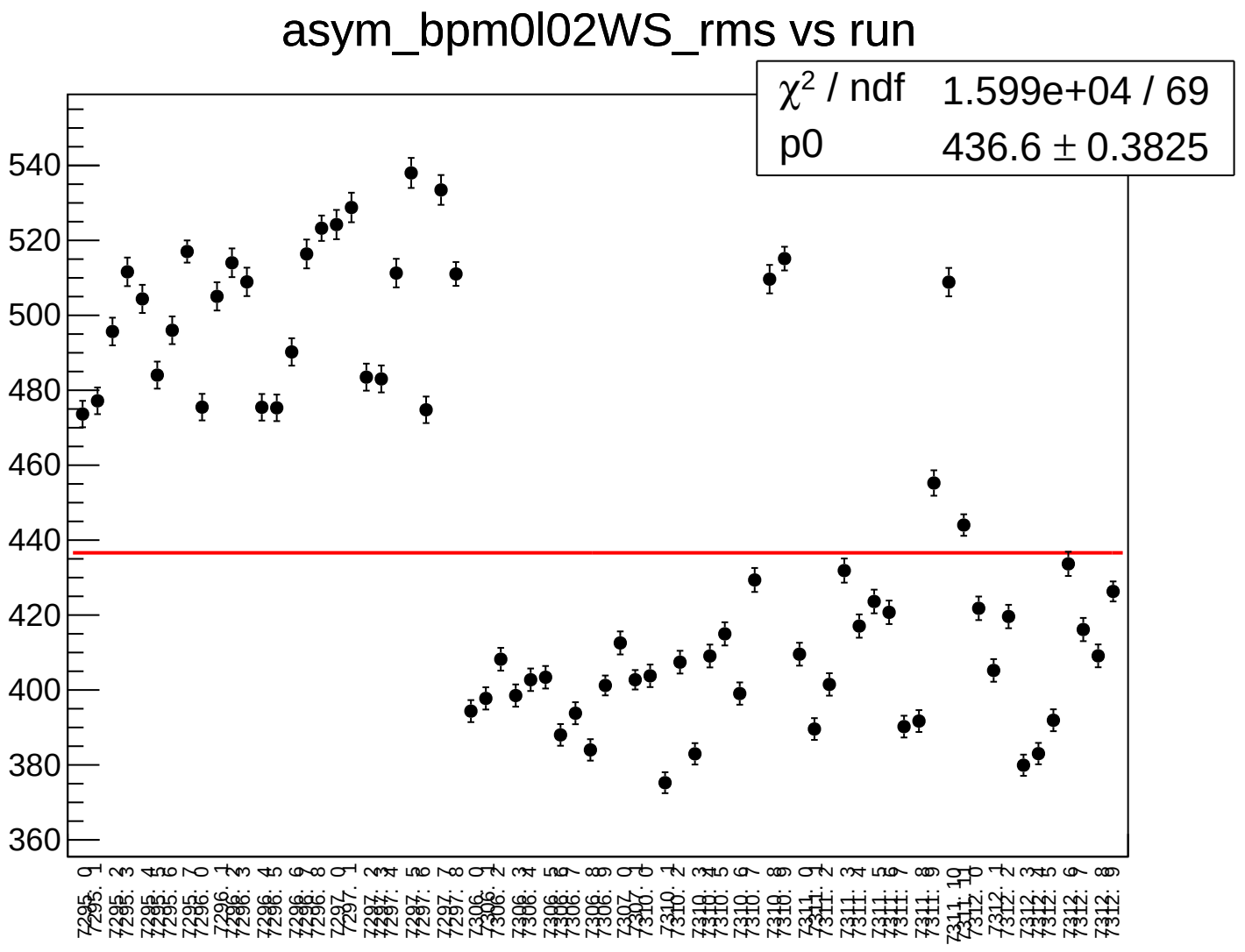

asym_bpm0l01WS_mean vs run
χ² / ndf 28.23 / 69
p0 1183 ± 337.8
pull
Entries 70
Mean −5.237
Std Dev 36.54

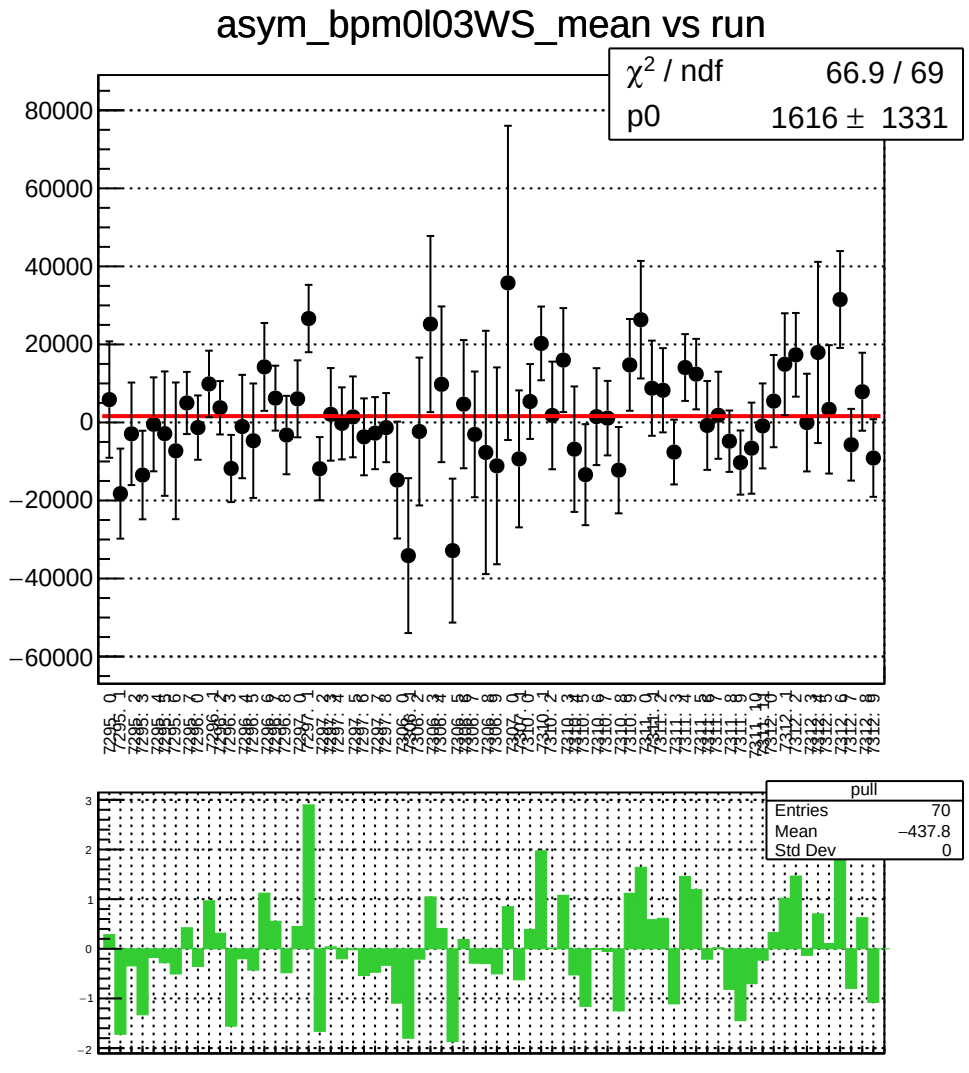

pull1D
Entries 70
Mean −0.00982
Std Dev 0.635

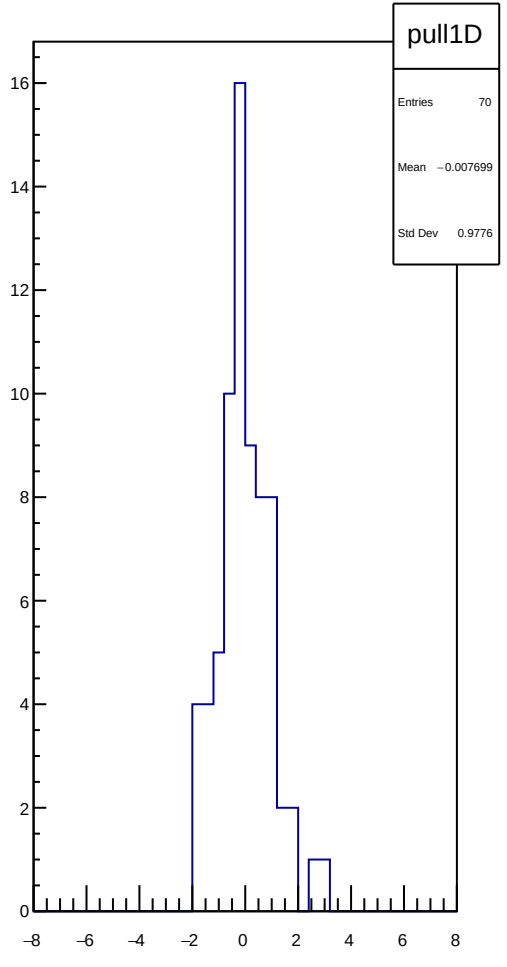

asym_bpm0l01WS_rms vs run
χ² / ndf 5.633e+04 / 69
p0 268.4 ± 0.2389
400
350
300
250
200

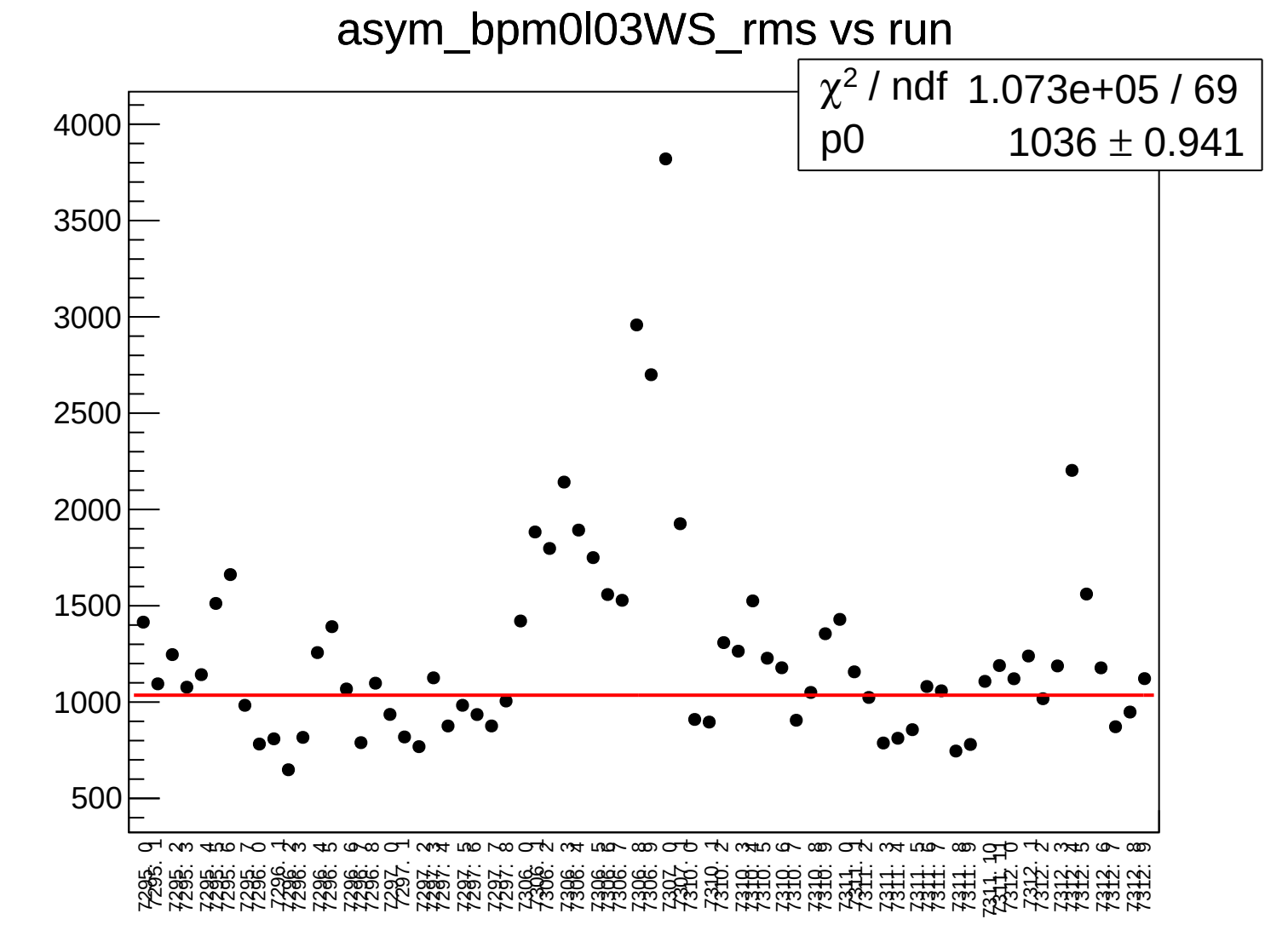

asym_bpm0l02WS_mean vs run
χ² / ndf 45.49 / 69
p0 2602 ± 540.9
pull
Entries 70
Mean −10.91
Std Dev 12.6

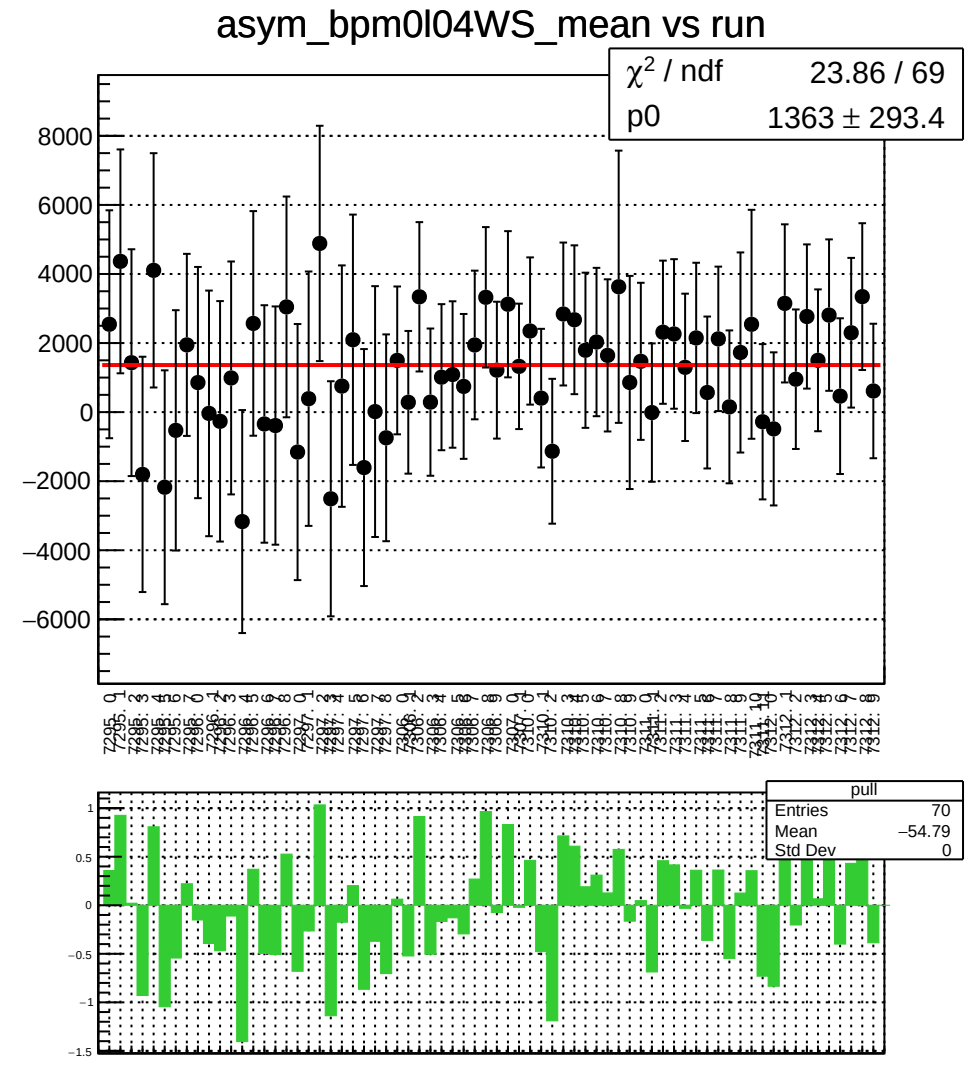

pull1D
Entries 70
Mean −0.0209
Std Dev 0.8059

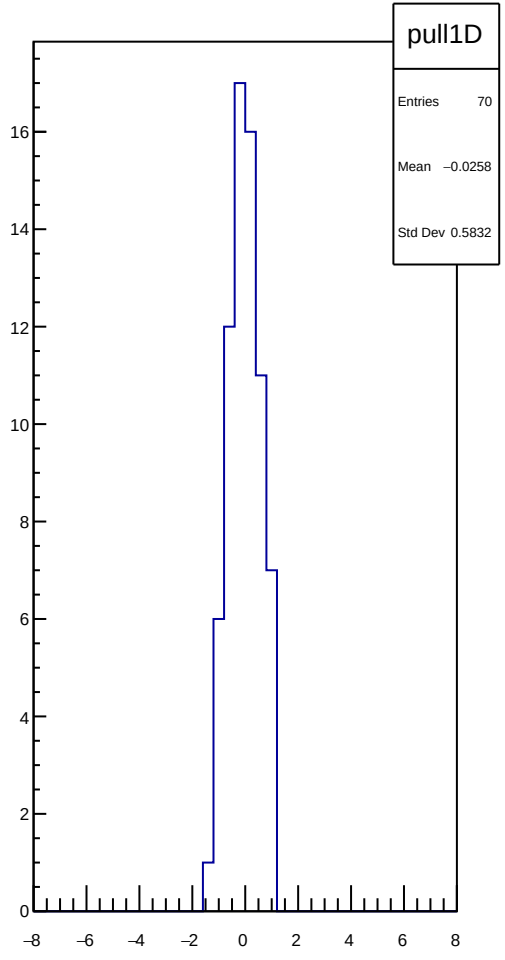

asym_bpm0l02WS_rms vs run
χ² / ndf 1.599e+04 / 69
p0 436.6 ± 0.3825
540
520
500
480
460
440
420
400
380
360

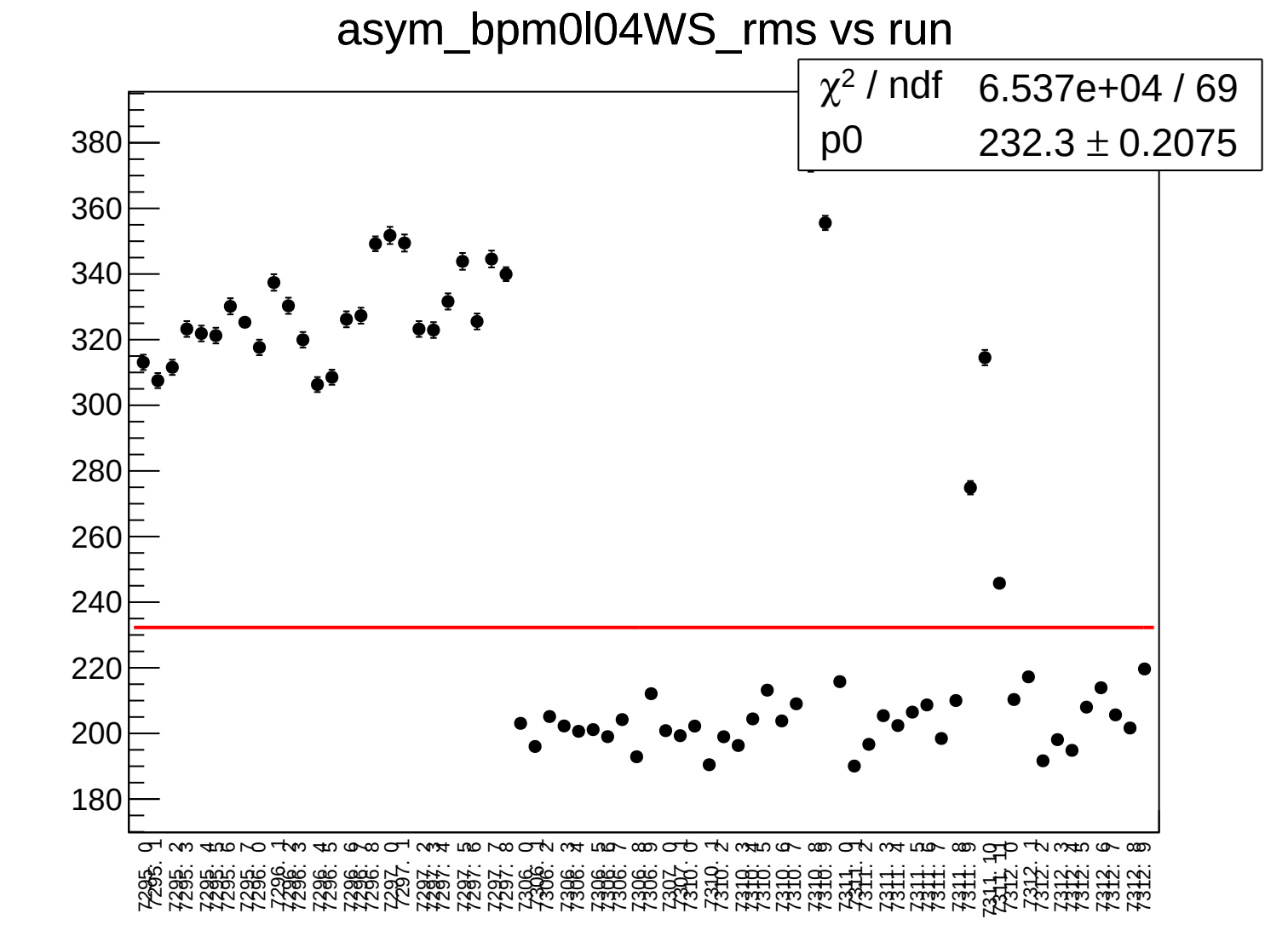

asym_bpm0l03WS_mean vs run
χ² / ndf 66.9 / 69
p0 1616 ± 1331
pull
Entries 70
Mean −437.8
Std Dev 0

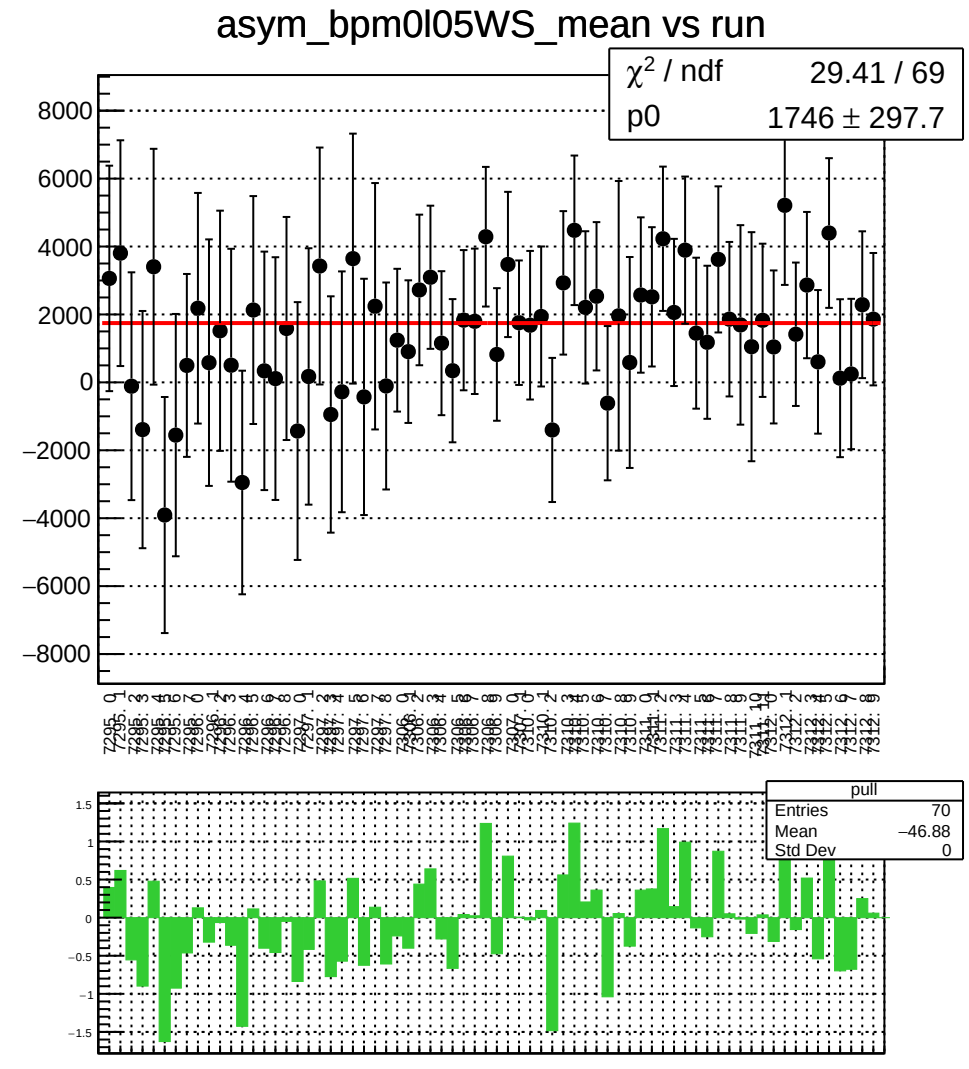

pull1D
Entries 70
Mean −0.007699
Std Dev 0.9776

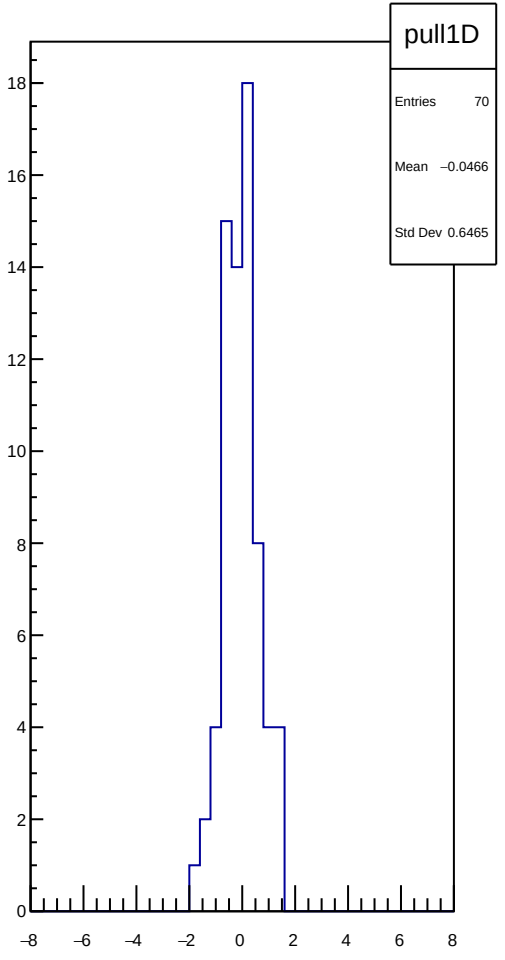

asym_bpm0l03WS_rms vs run
χ^2 / ndf 1.073e+05 / 69
p0 1036 ± 0.941
4000
3500
3000
2500
2000
1500
1000
500

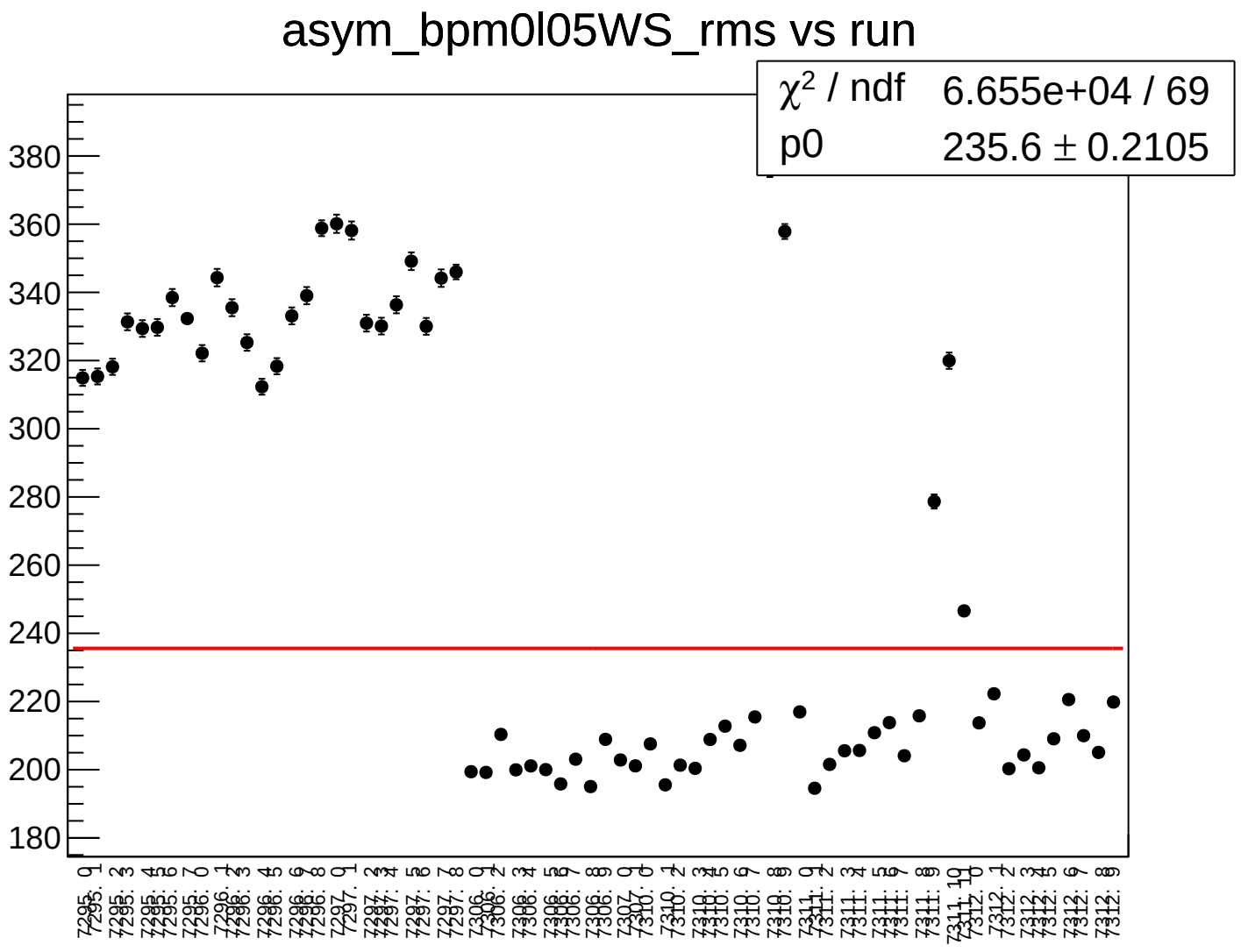

asym_bpm0l04WS_mean vs run
χ² / ndf 23.86 / 69
p0 1363 ± 293.4
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean −54.79
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

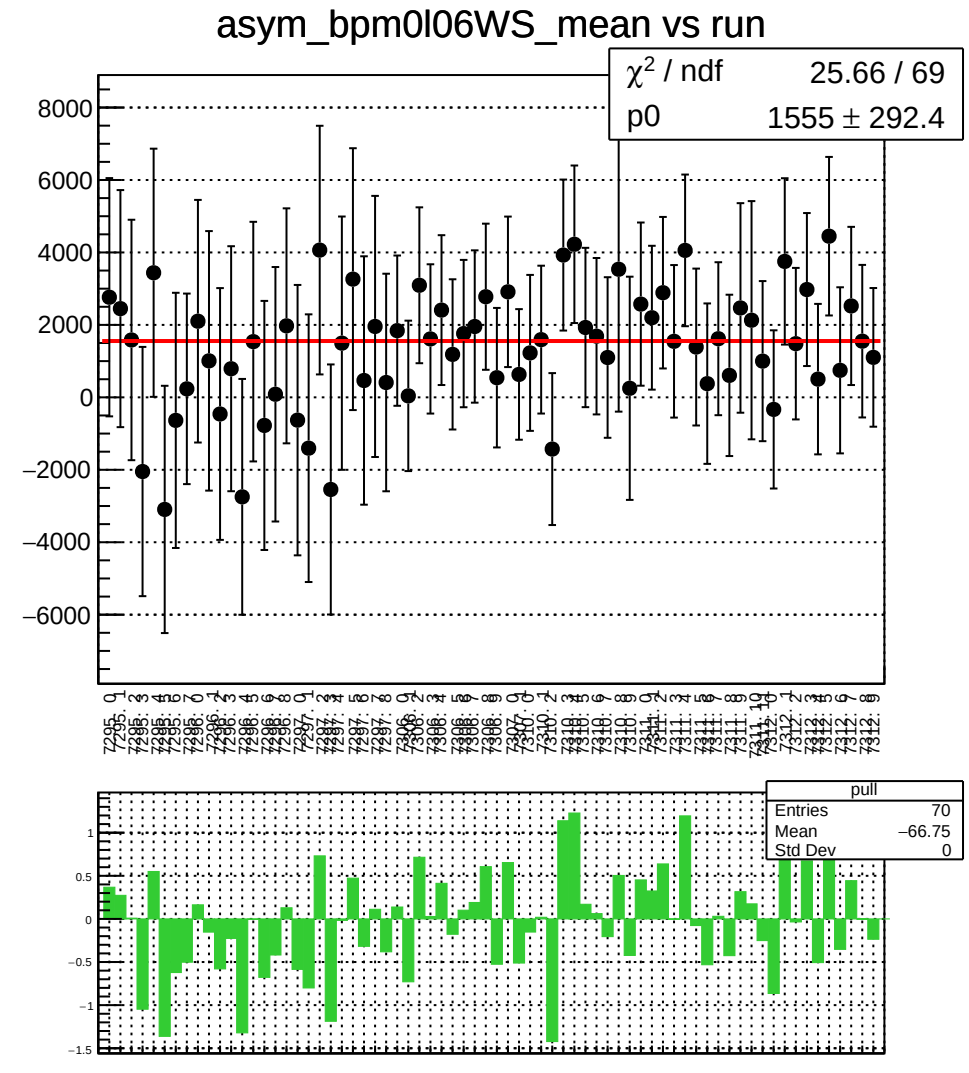

pull1D
Entries 70
Mean −0.0258
Std Dev 0.5832
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

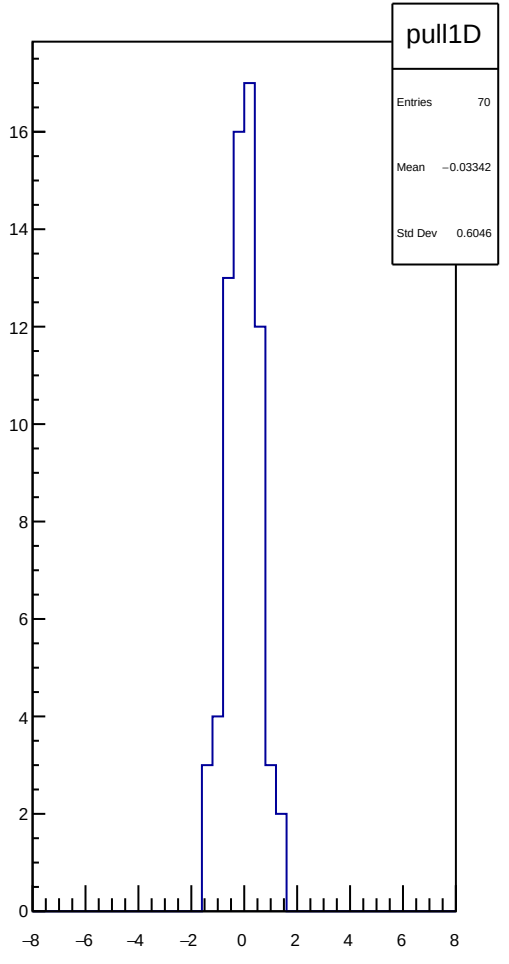

asym_bpm0l04WS_rms vs run
χ² / ndf 6.537e+04 / 69
p0 232.3 ± 0.2075
380
360
340
320
300
280
260
240
220
200
180

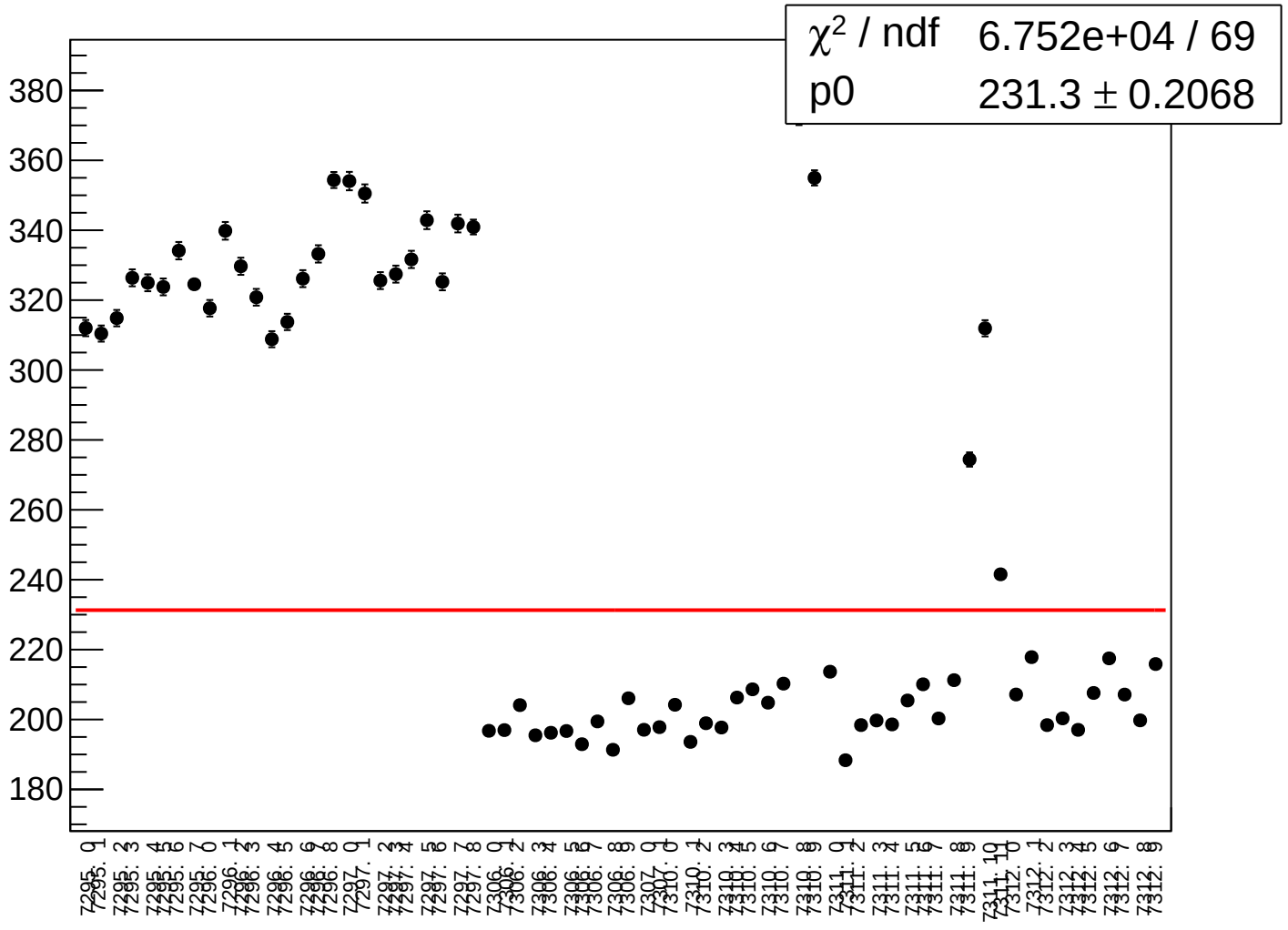

asym_bpm0l05WS_mean vs run
χ^2 / ndf 29.41 / 69
p0 1746 ± 297.7
pull
Entries 70
Mean −46.88
Std Dev 0

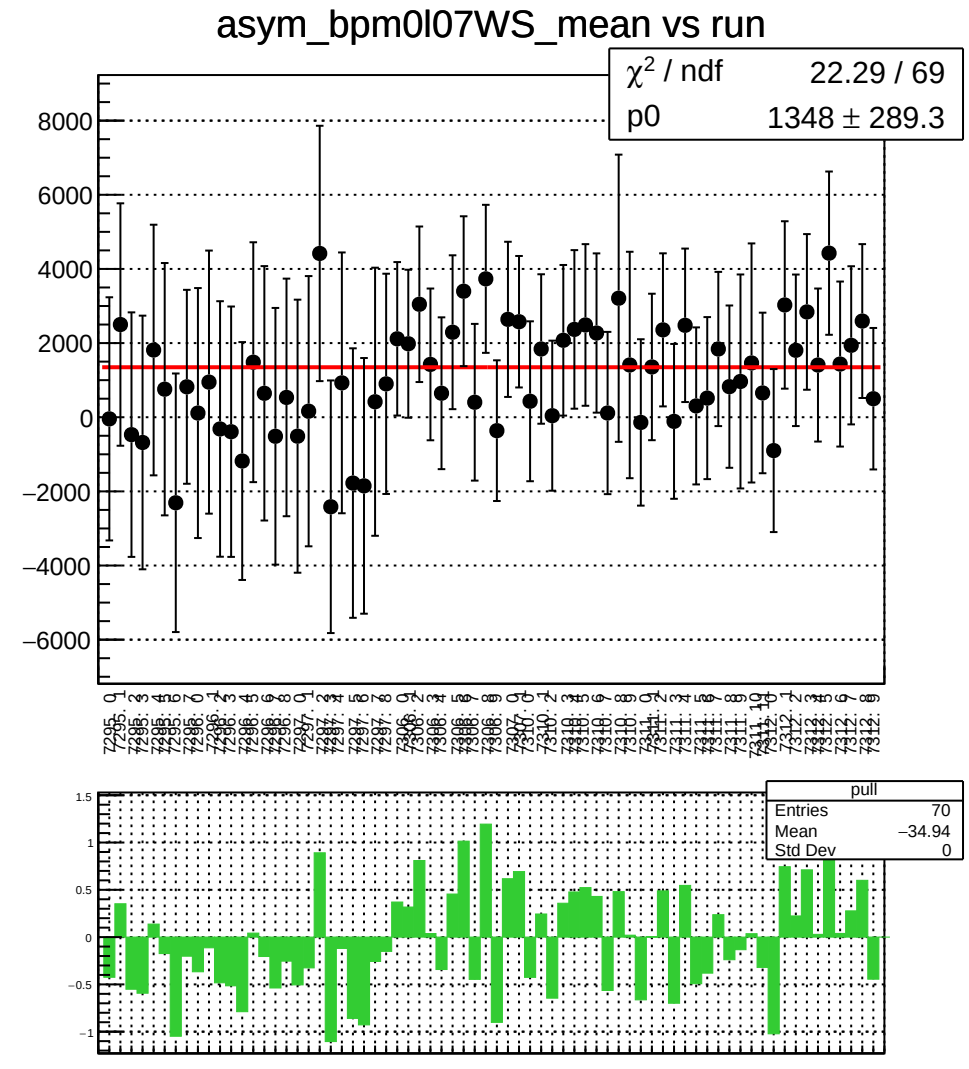

pull1D
Entries 70
Mean −0.0466
Std Dev 0.6465

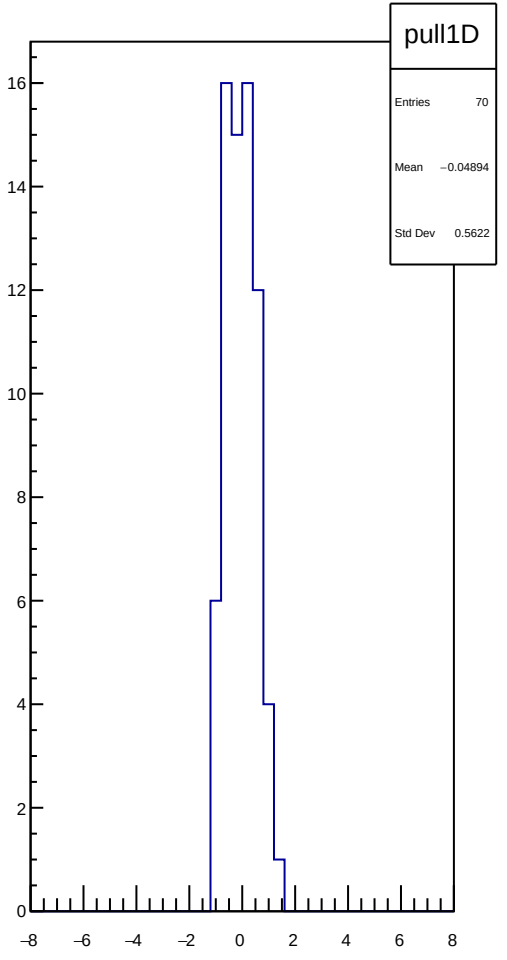

asym_bpm0l05WS_rms vs run
χ² / ndf 6.655e+04 / 69
p0 235.6 ± 0.2105
380
360
340
320
300
280
260
240
220
200
180

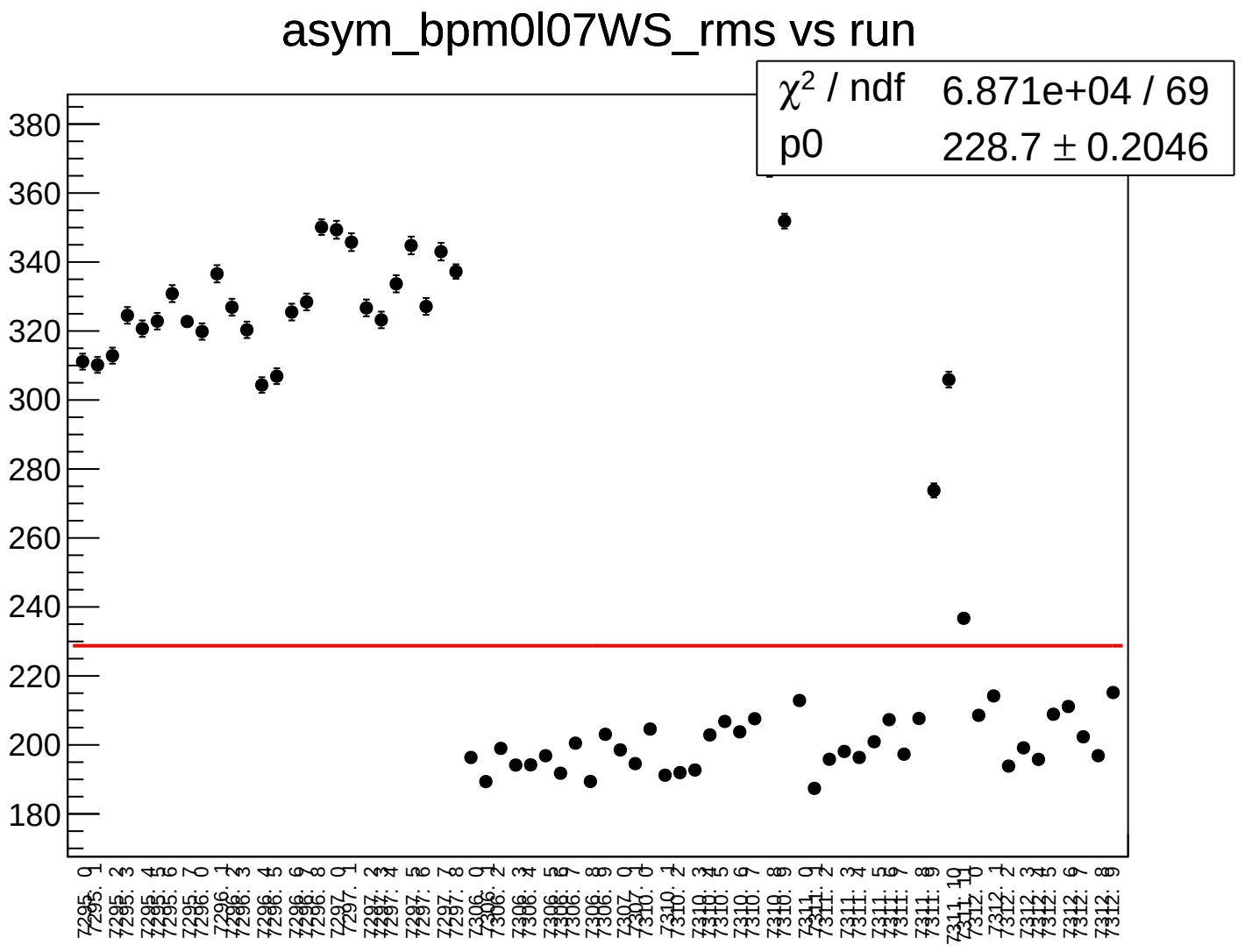

asym_bpm0l06WS_mean vs run
χ² / ndf 25.66 / 69
p0 1555 ± 292.4
pull
Entries 70
Mean −66.75
Std Dev 0

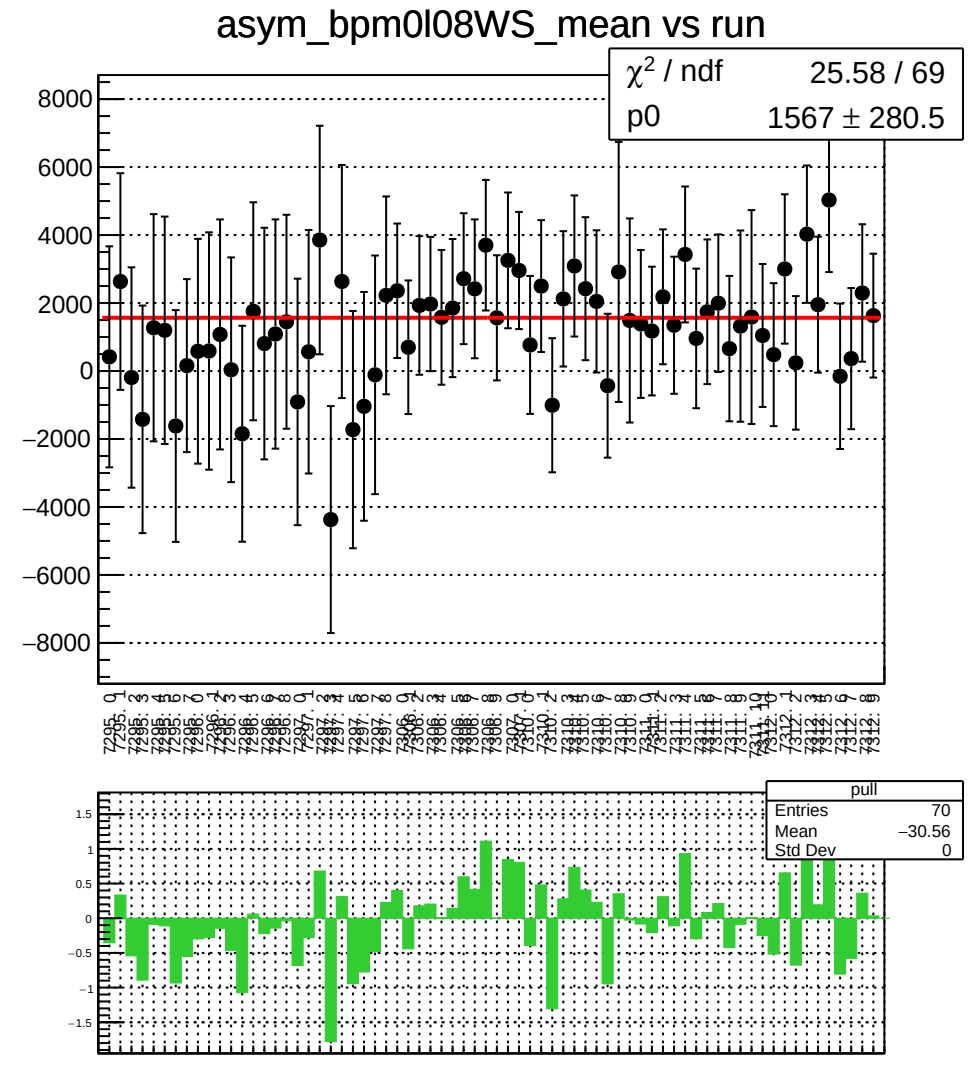

pull1D
Entries 70
Mean −0.03342
Std Dev 0.6046

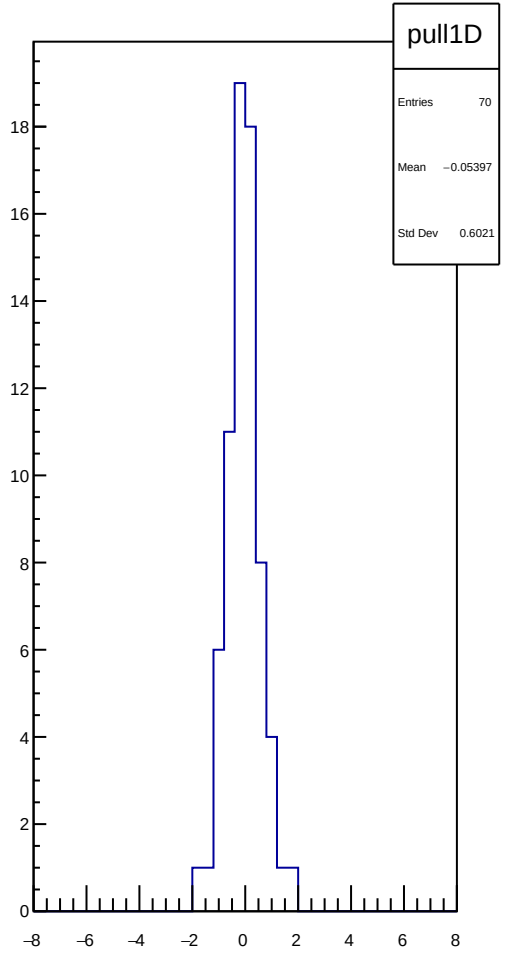

asym_bpm0l06WS_rms vs run
χ² / ndf 6.752e+04 / 69
p0 231.3 ± 0.2068
380
360
340
320
300
280
260
240
220
200
180

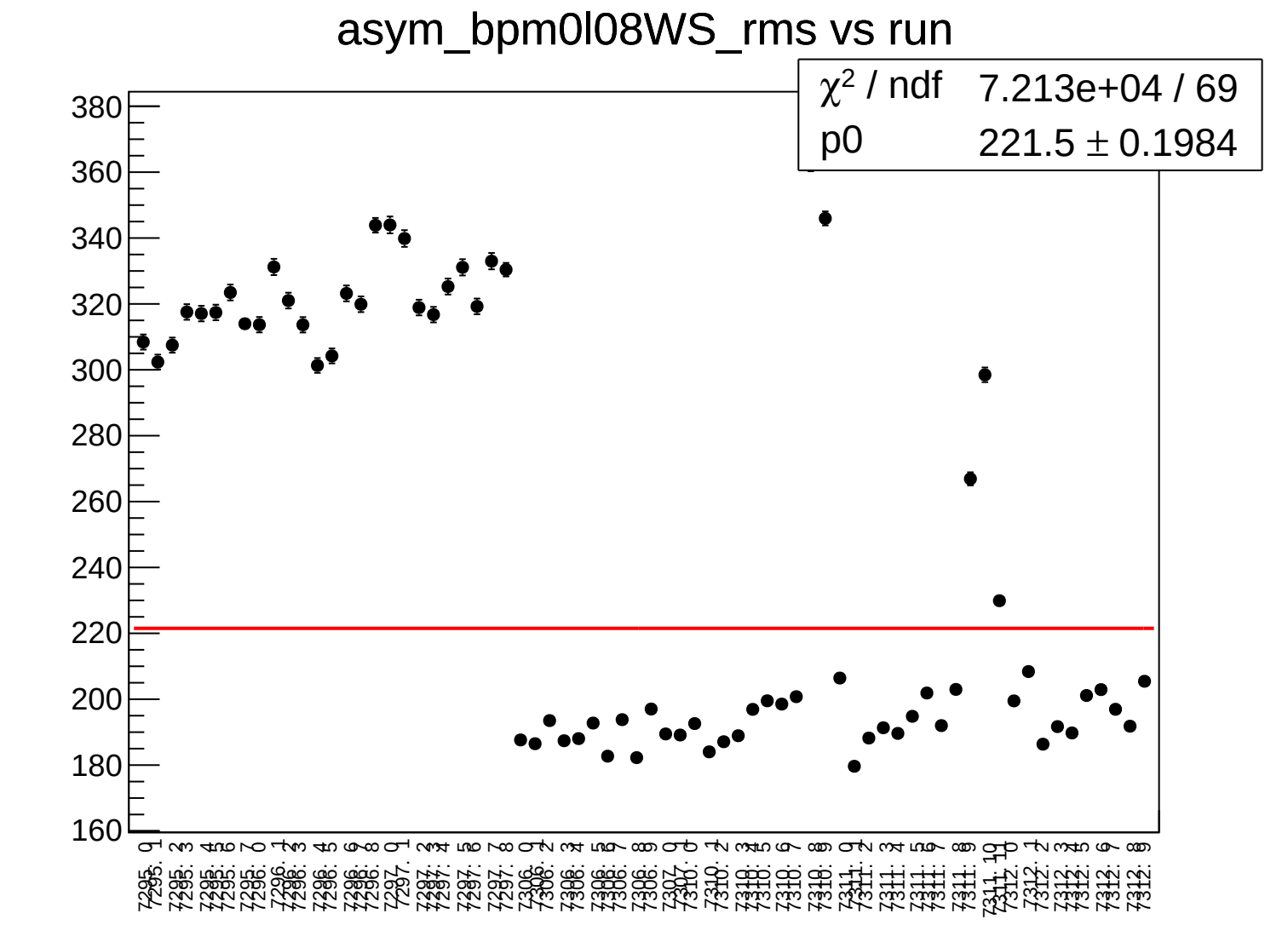

asym_bpm0l07WS_mean vs run
χ² / ndf 22.29 / 69
p0 1348 ± 289.3
pull
Entries 70
Mean −34.94
Std Dev 0

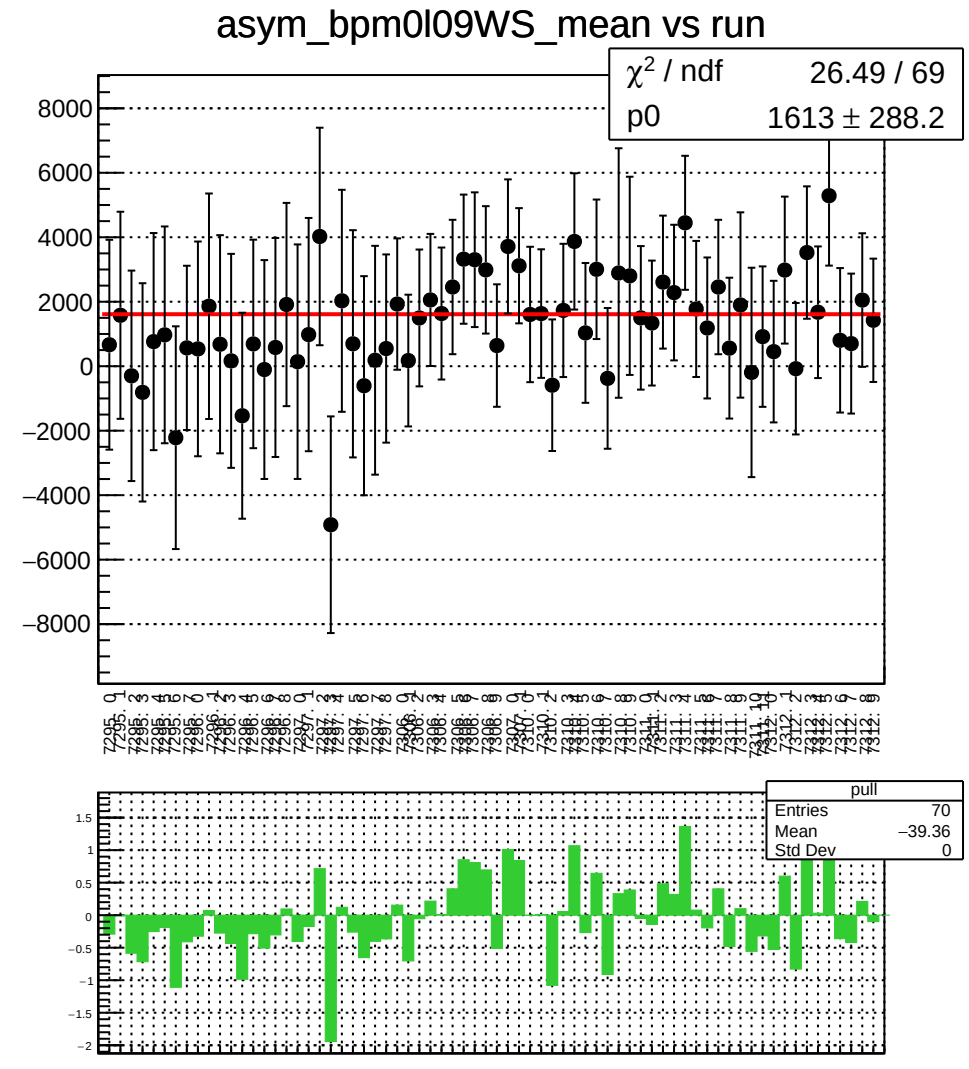

pull1D
Entries 70
Mean −0.04894
Std Dev 0.5622

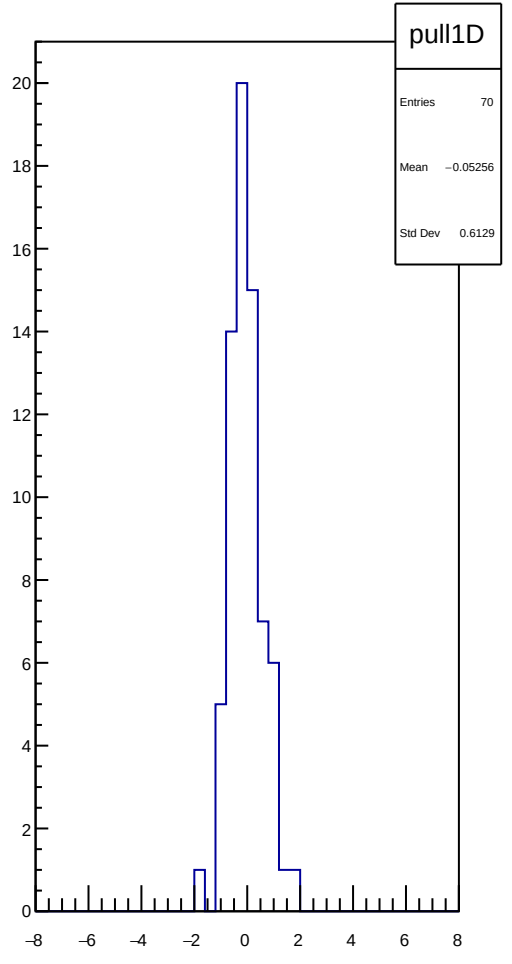

asym_bpm0l07WS_rms vs run
χ² / ndf 6.871e+04 / 69
p0 228.7 ± 0.2046
380
360
340
320
300
280
260
240
220
200
180

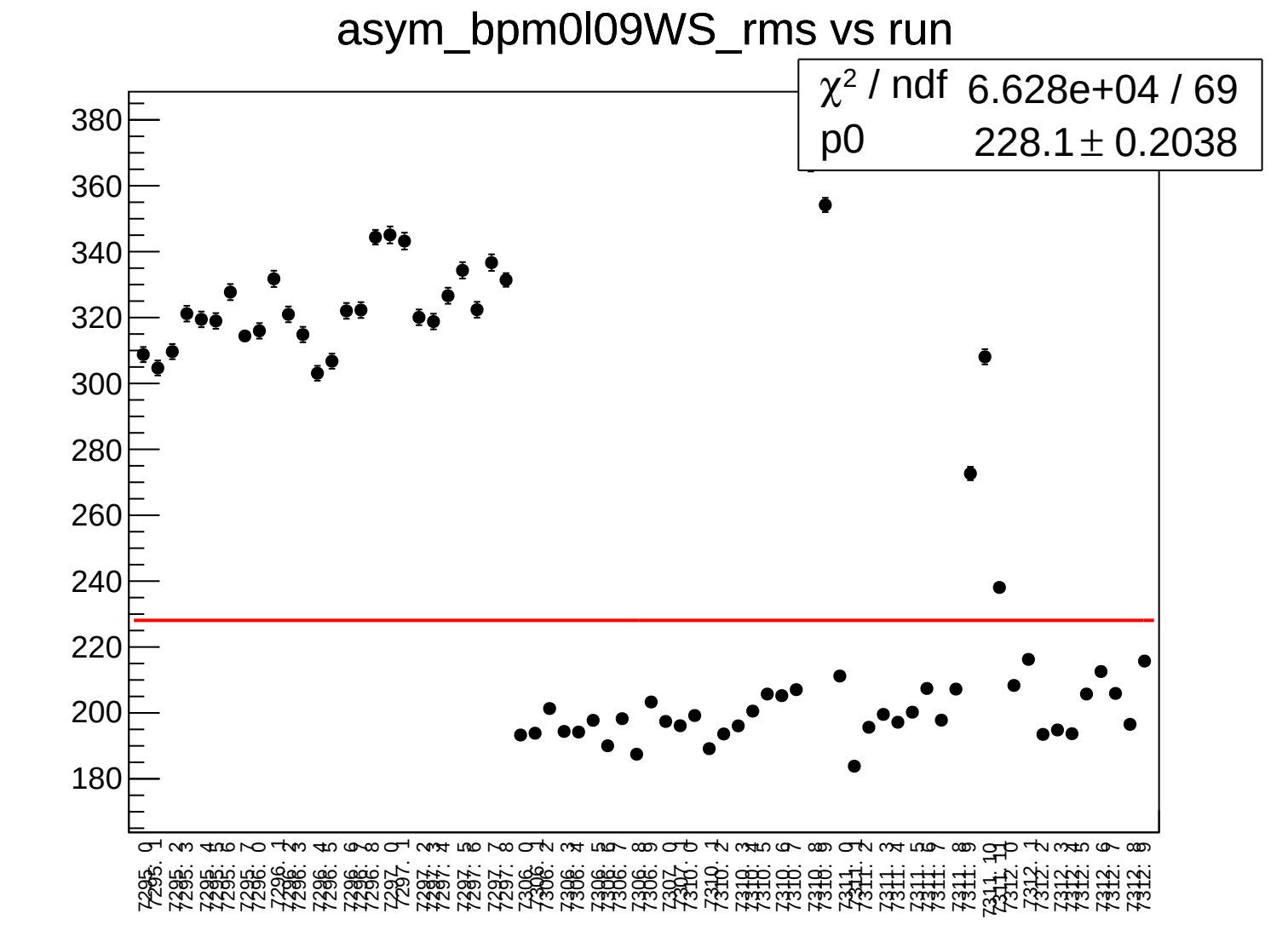

asym_bpm0l08WS_mean vs run
χ² / ndf 25.58 / 69
p0 1567 ± 280.5
pull
Entries 70
Mean −30.56
Std Dev 0

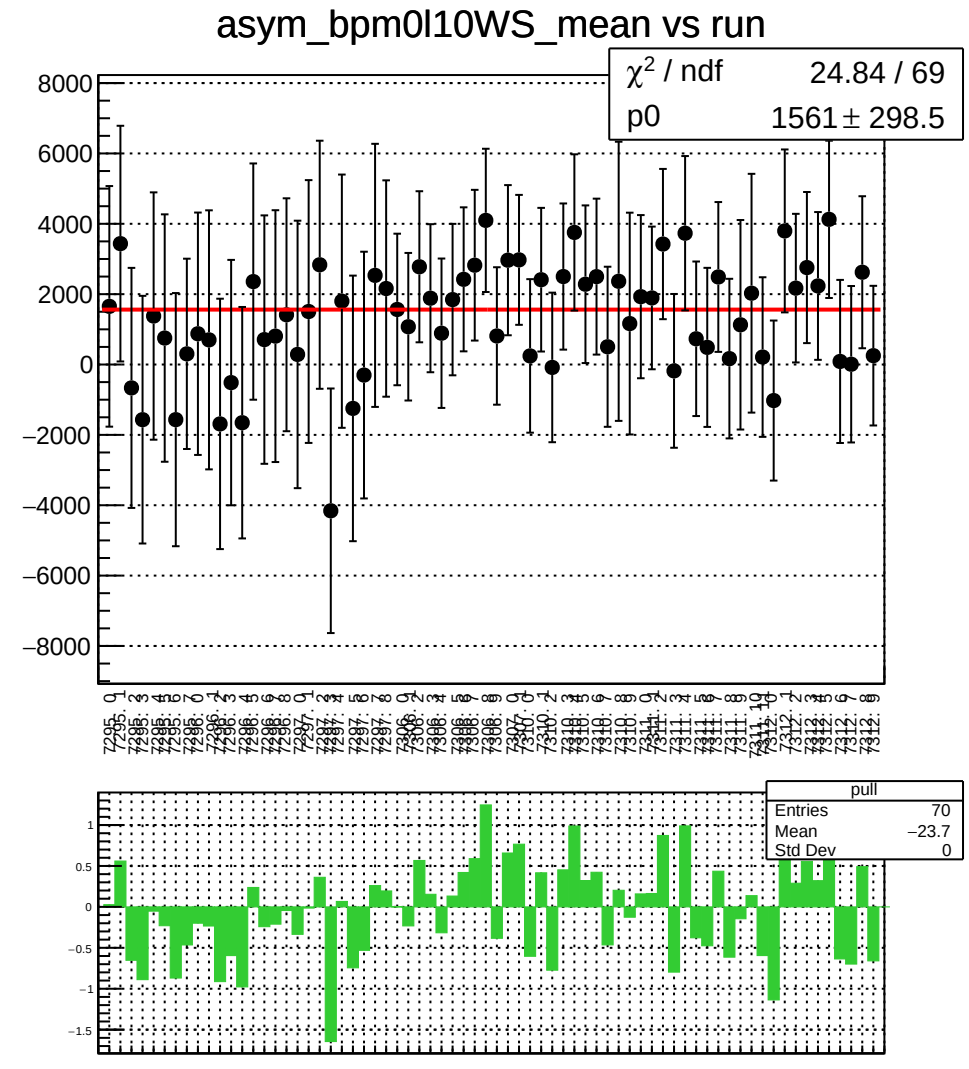

pull1D
Entries 70
Mean −0.05397
Std Dev 0.6021

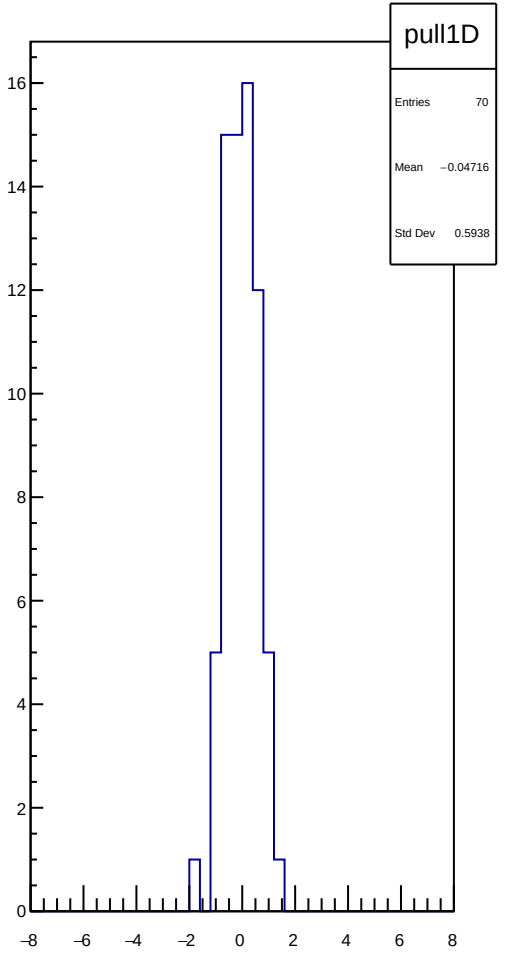

asym_bpm0l08WS_rms vs run
χ² / ndf 7.213e+04 / 69
p0 221.5 ± 0.1984
380
360
340
320
300
280
260
240
220
200
180
160

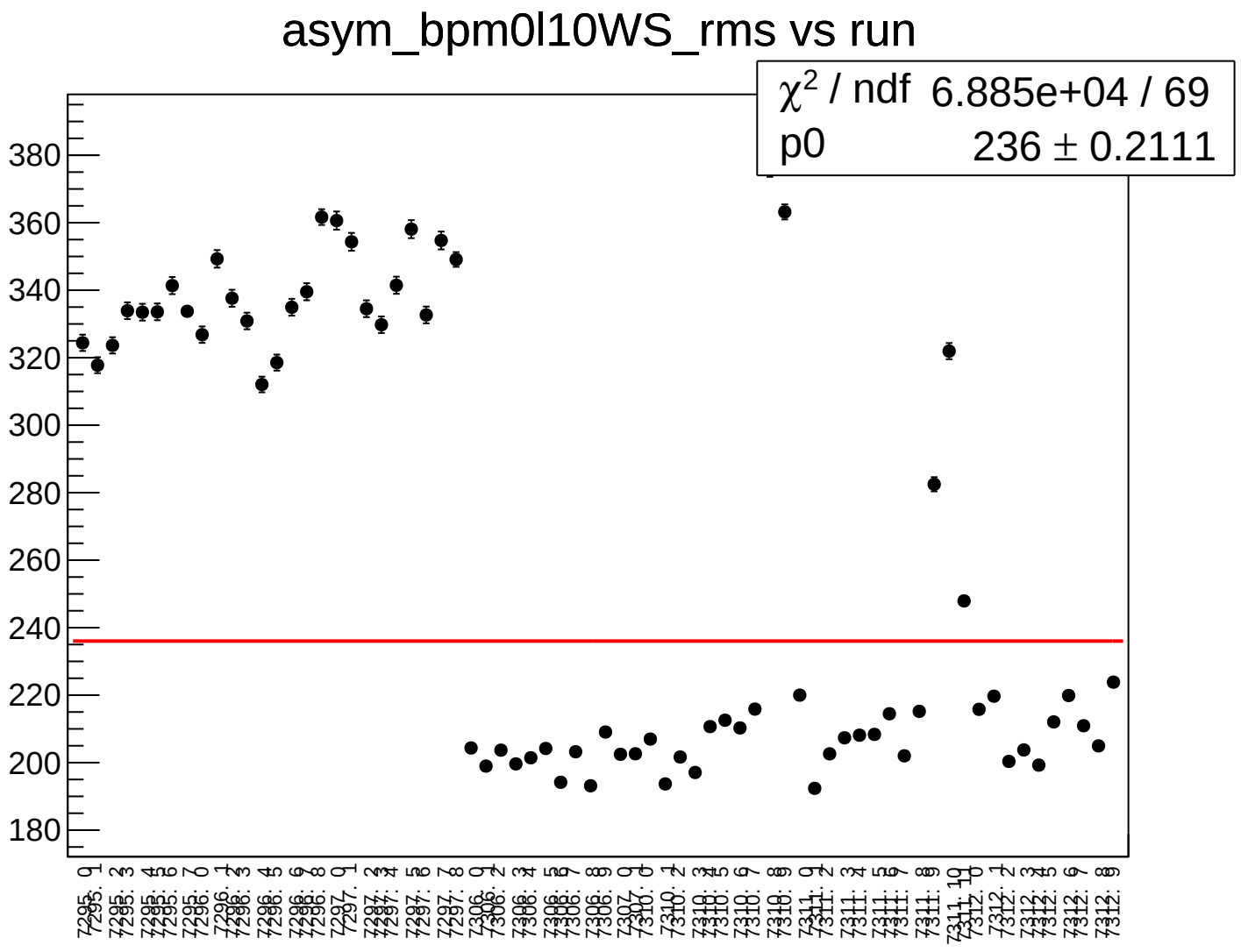

asym_bpm0l09WS_mean vs run
χ² / ndf 26.49 / 69
p0 1613 ± 288.2
pull
Entries 70
Mean −39.36
Std Dev 0

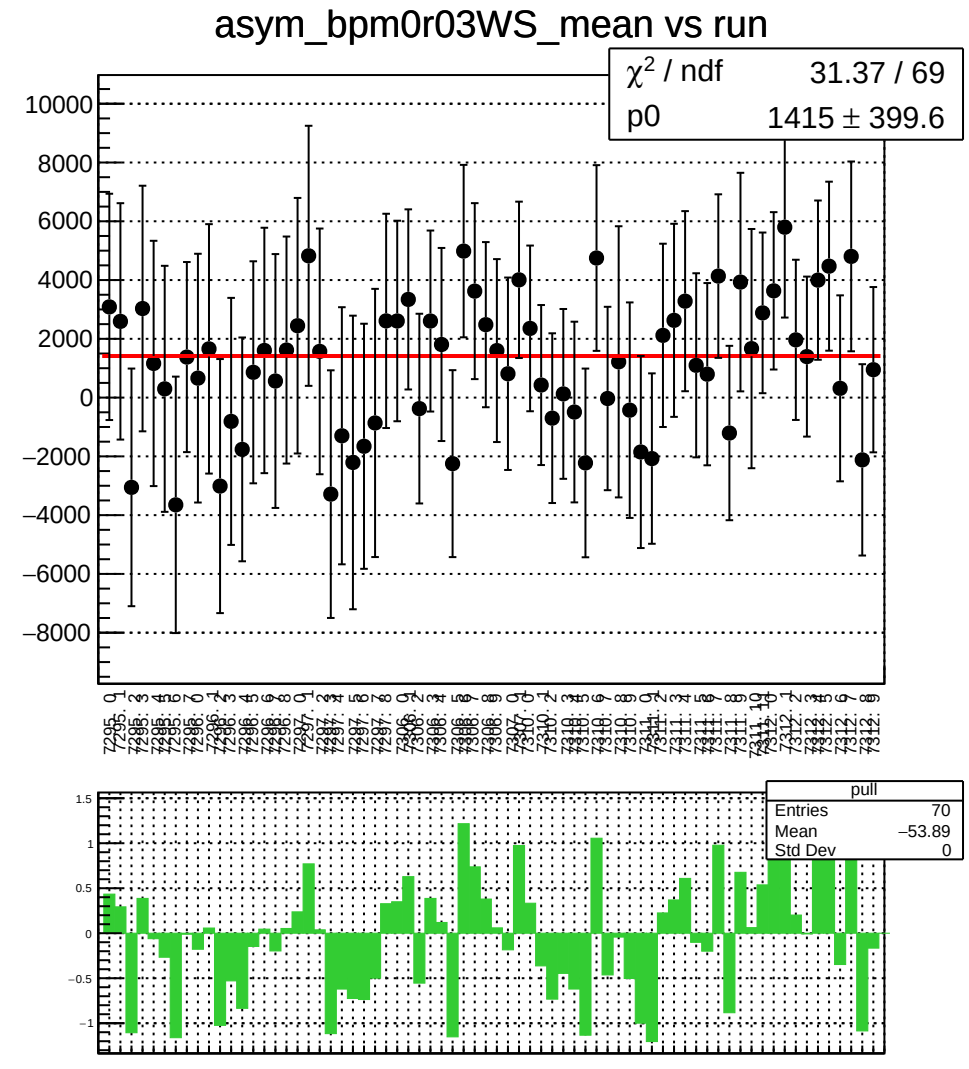

pull1D
Entries 70
Mean −0.05256
Std Dev 0.6129

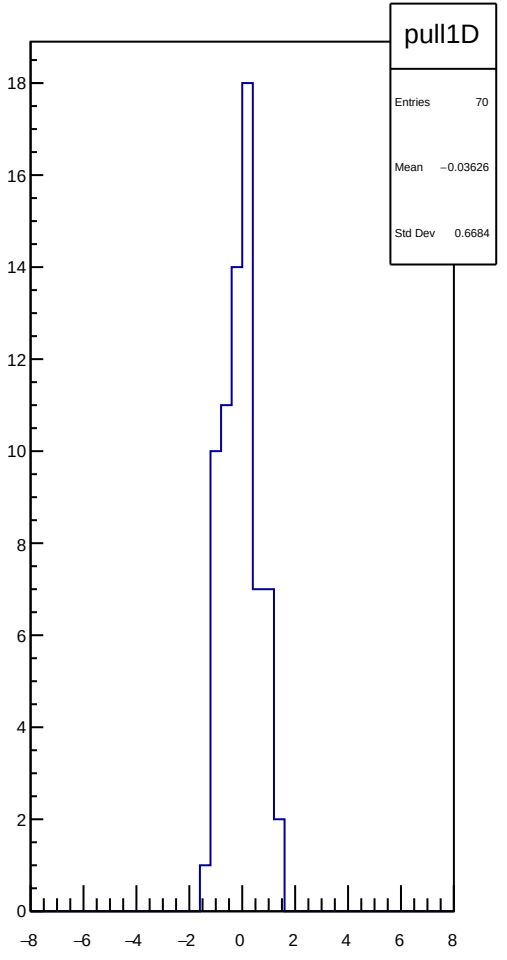

asym_bpm0l09WS_rms vs run
χ² / ndf 6.628e+04 / 69
p0 228.1 ± 0.2038
380
360
340
320
300
280
260
240
220
200
180

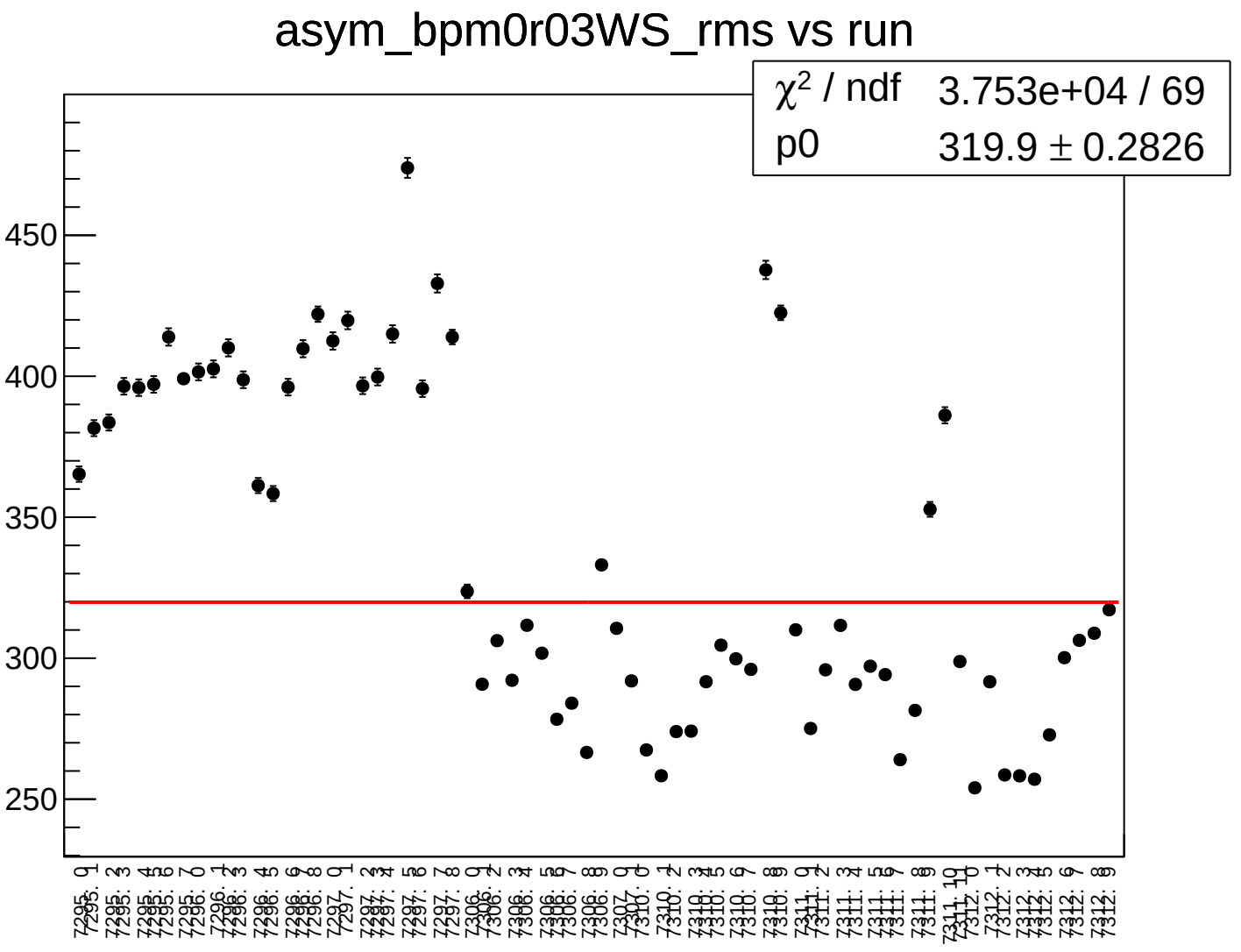

asym_bpm0l10WS_mean vs run
χ² / ndf 24.84 / 69
p0 1561 ± 298.5
pull
Entries 70
Mean −23.7
Std Dev 0

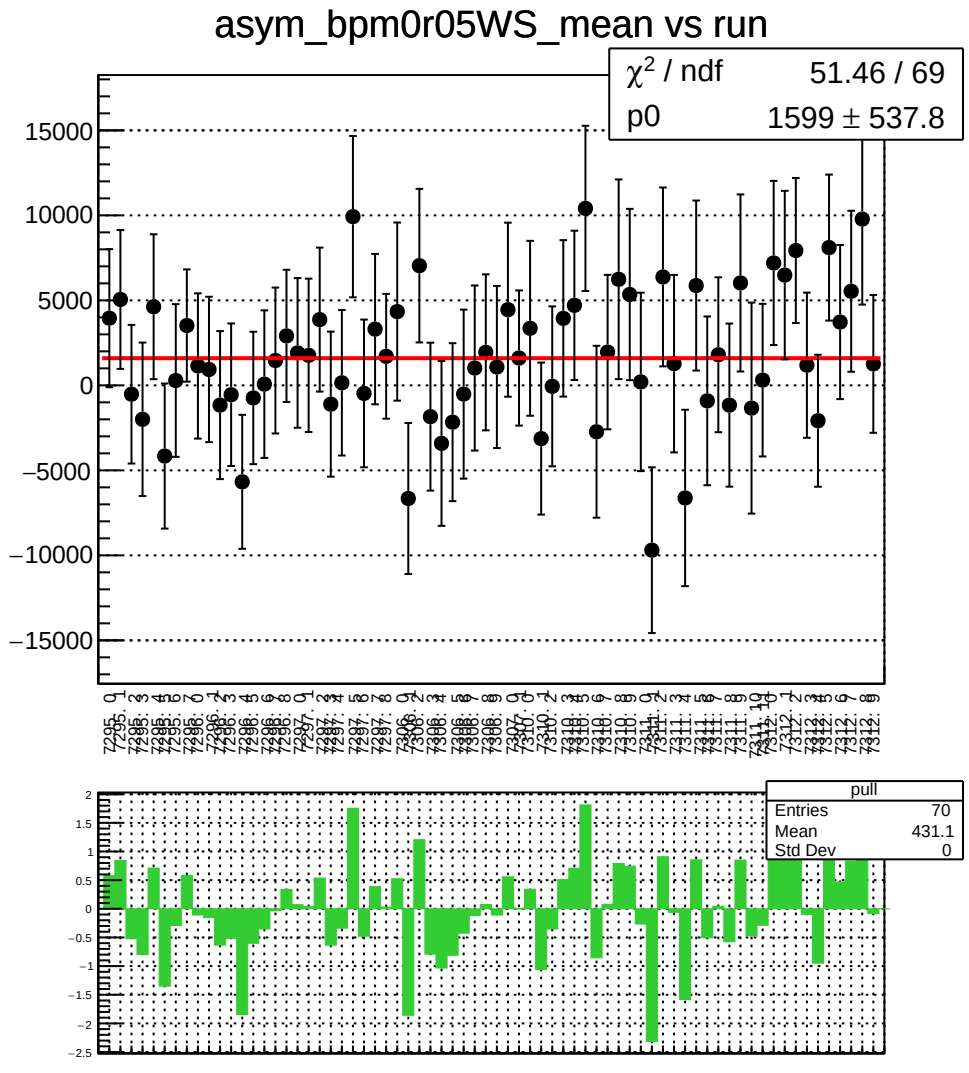

pull1D
Entries 70
Mean −0.04716
Std Dev 0.5938

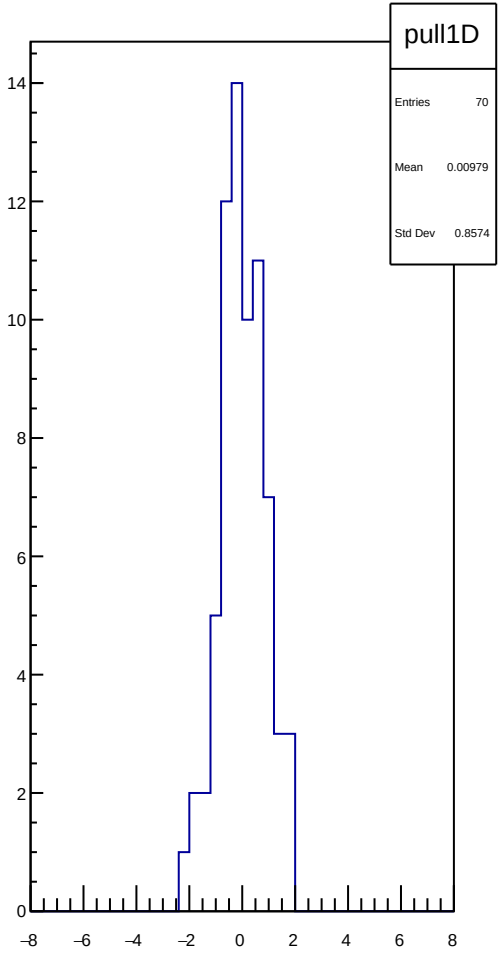

asym_bpm0l10WS_rms vs run
χ² / ndf 6.885e+04 / 69
p0 236 ± 0.2111
380
360
340
320
300
280
260
240
220
200
180

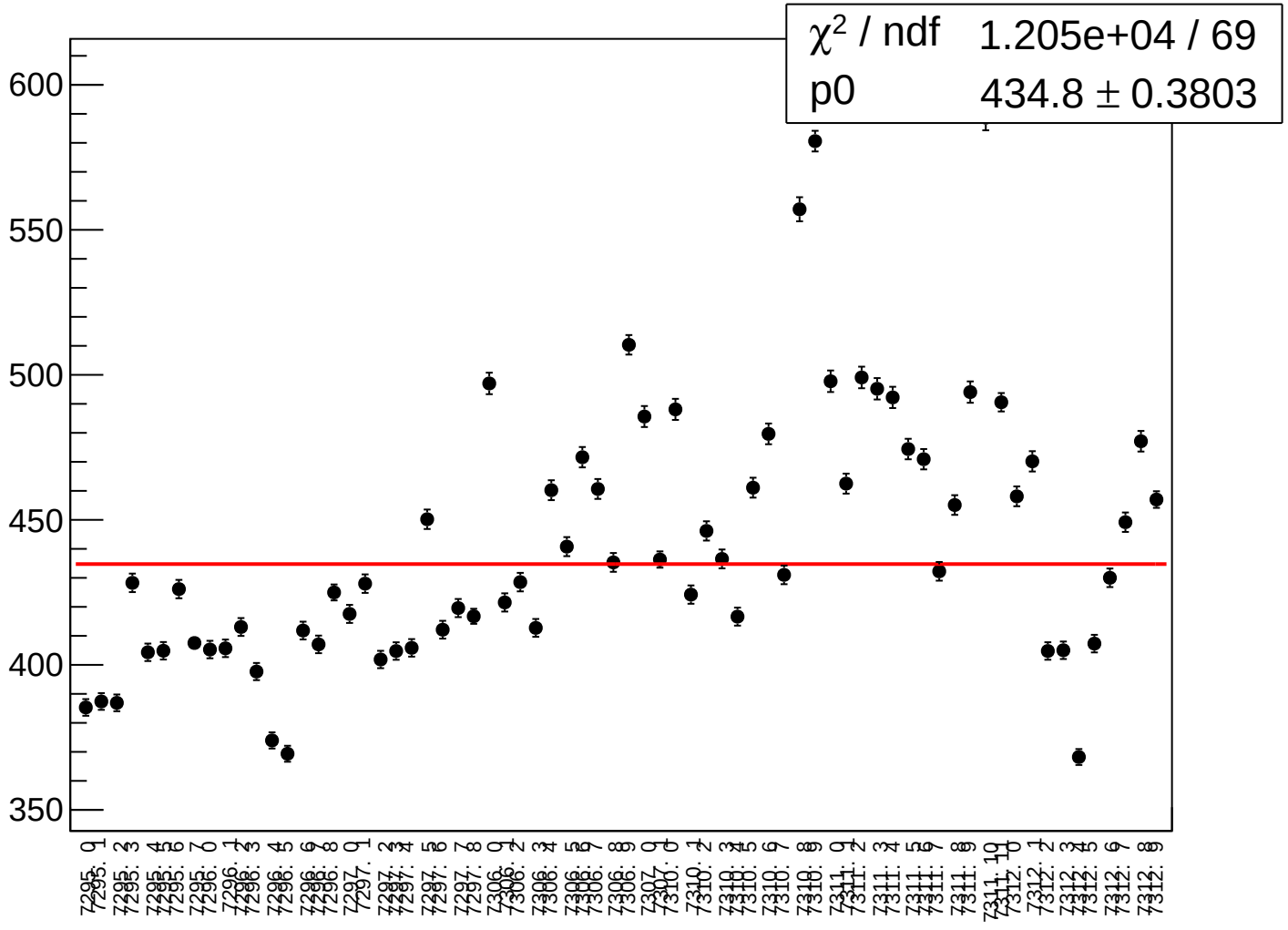

asym_bpm0r03WS_mean vs run
χ² / ndf 31.37 / 69
p0 1415 ± 399.6
pull
Entries 70
Mean −53.89
Std Dev 0

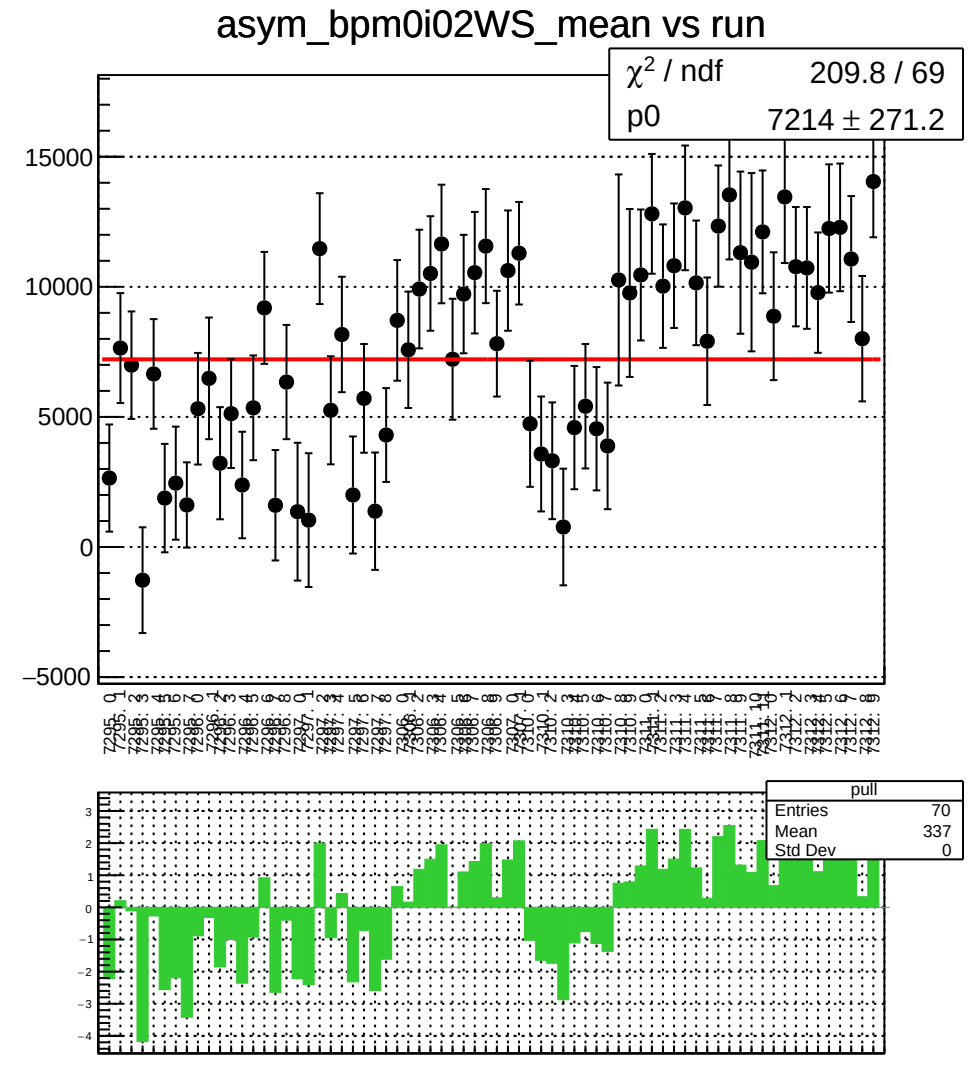

pull1D
Entries 70
Mean −0.03626
Std Dev 0.6684

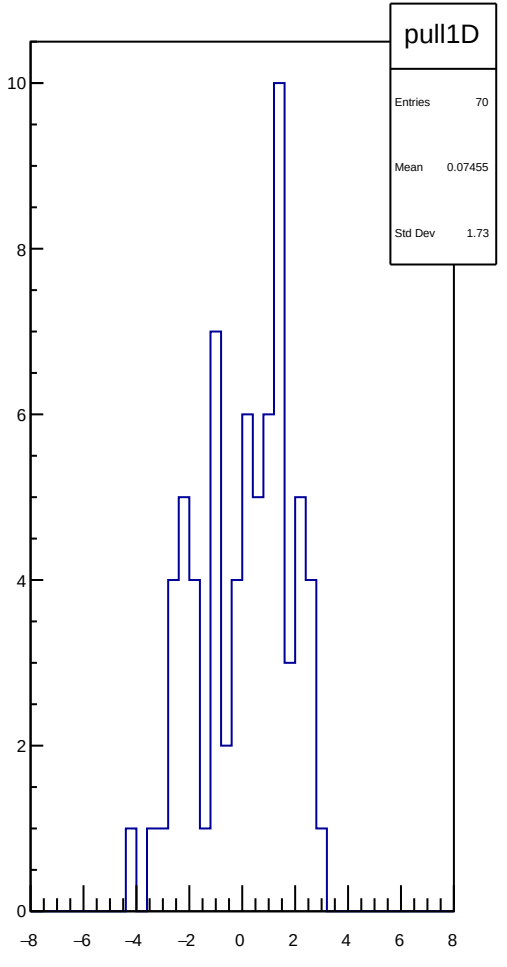

asym_bpm0r03WS_rms vs run
χ² / ndf 3.753e+04 / 69
p0 319.9 ± 0.2826
450
400
350
300
250

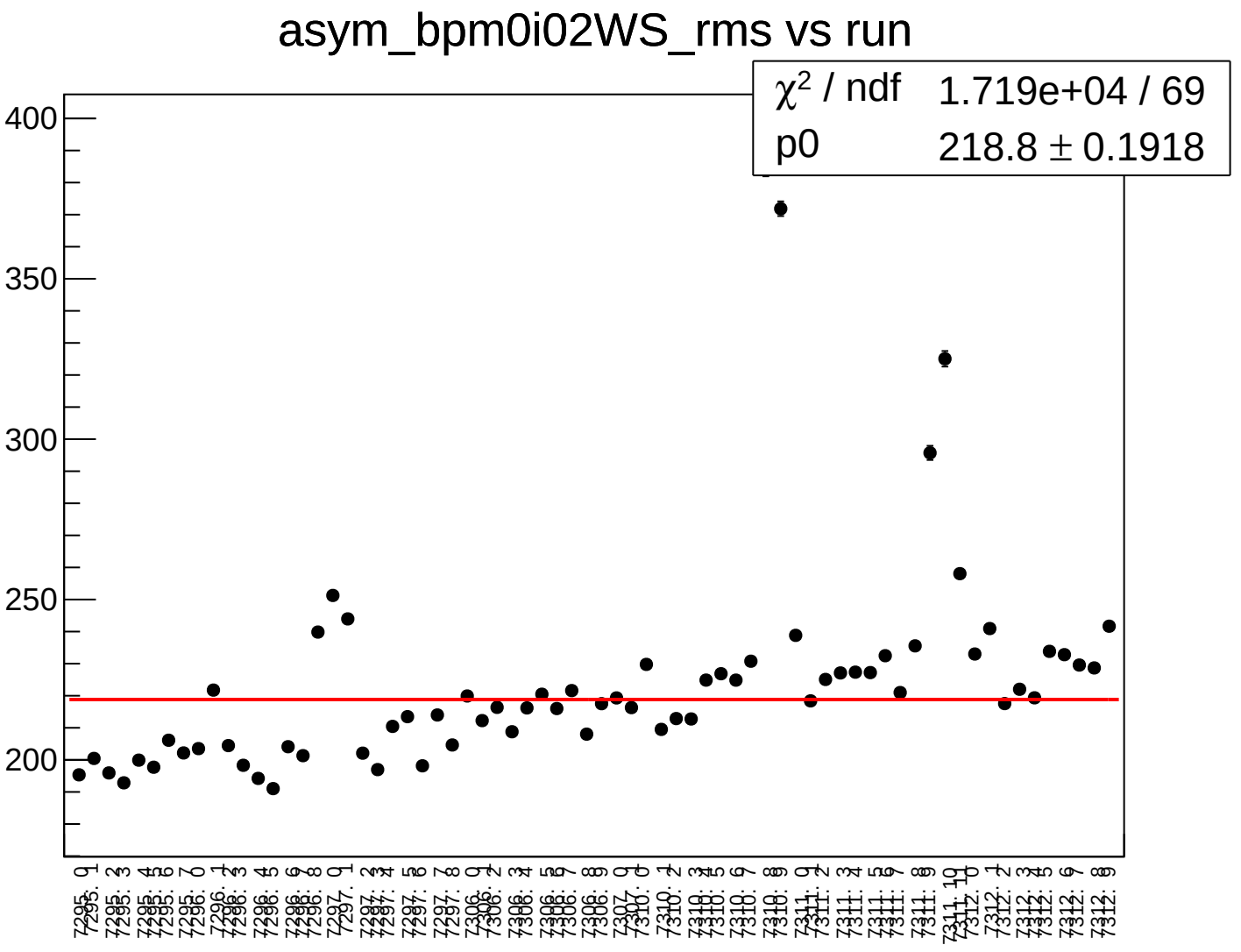

asym_bpm0r05WS_mean vs run
χ² / ndf 51.46 / 69
p0 1599 ± 537.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 431.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

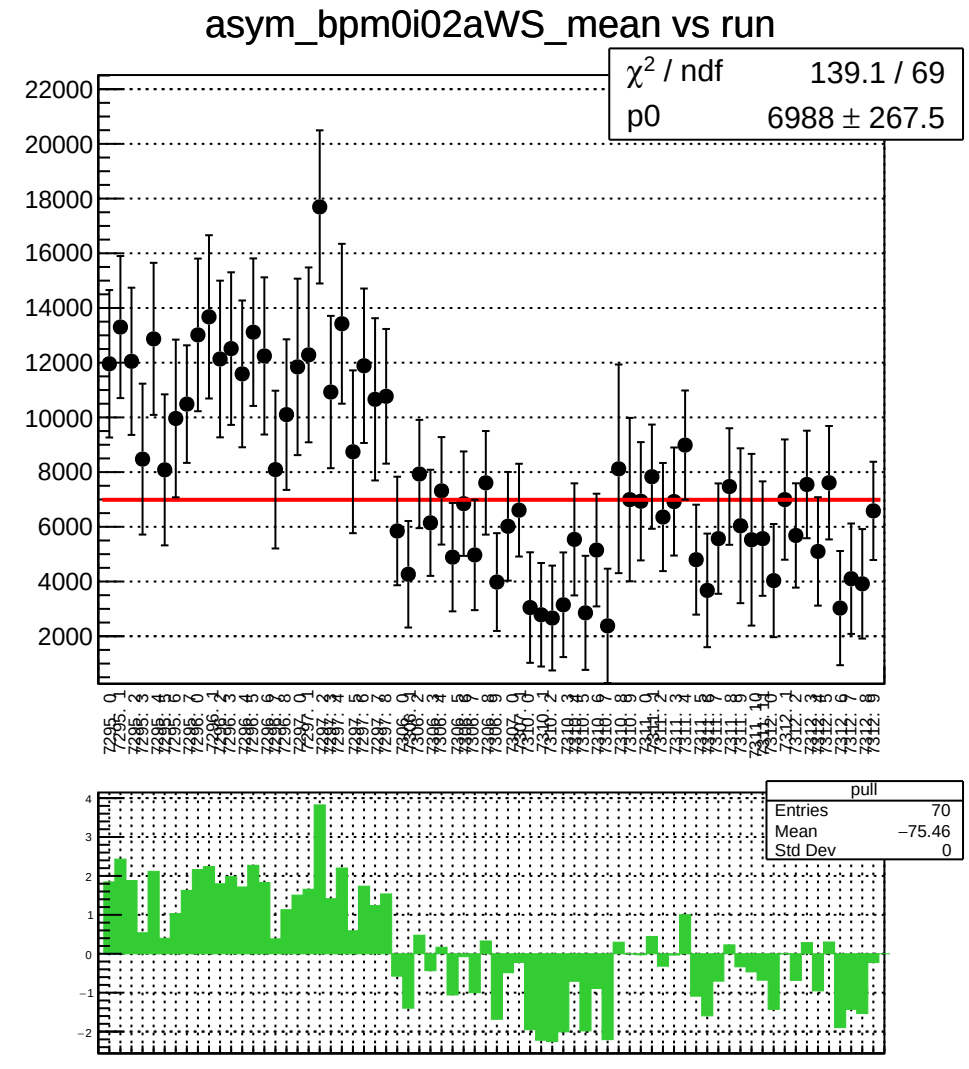

pull1D
Entries 70
Mean 0.00979
Std Dev 0.8574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

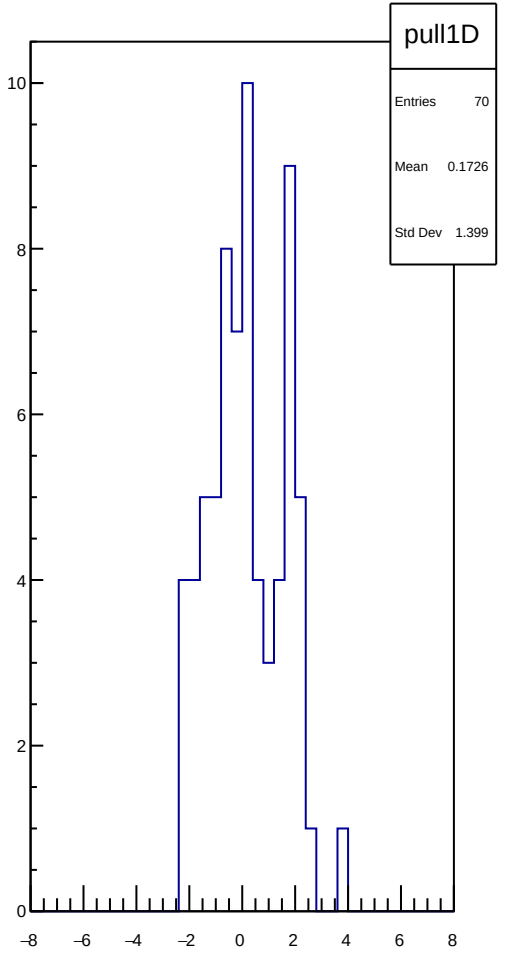

asym_bpm0r05WS_rms vs run
χ² / ndf 1.205e+04 / 69
p0 434.8 ± 0.3803
600
550
500
450
400
350

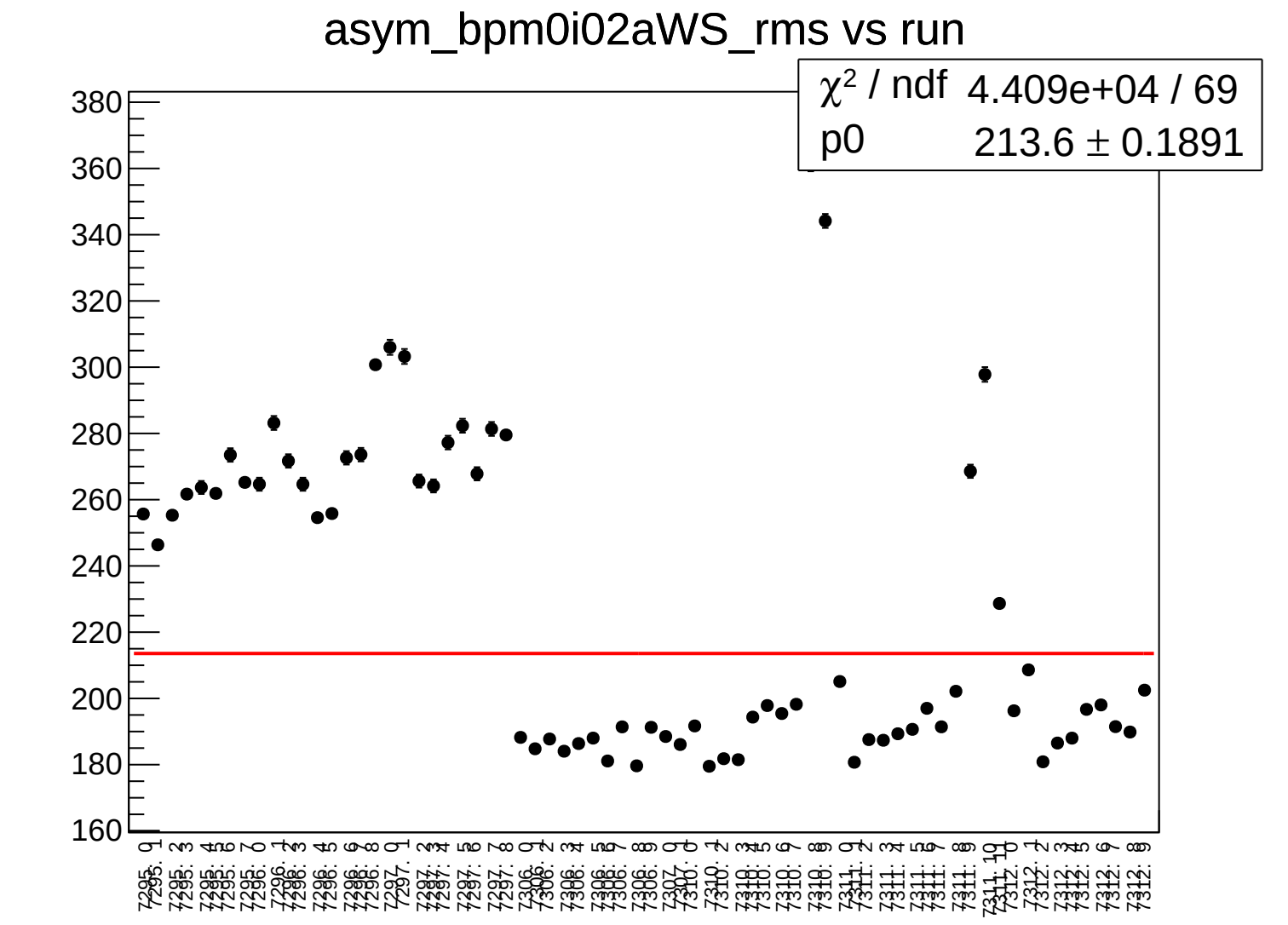

asym_bpm0i02WS_mean vs run
χ² / ndf 209.8 / 69
p0 7214 ± 271.2
15000
10000
5000
0
−5000
pull
Entries 70
Mean 337
Std Dev 0
3
2
1
0
−1
−2
−3
−4

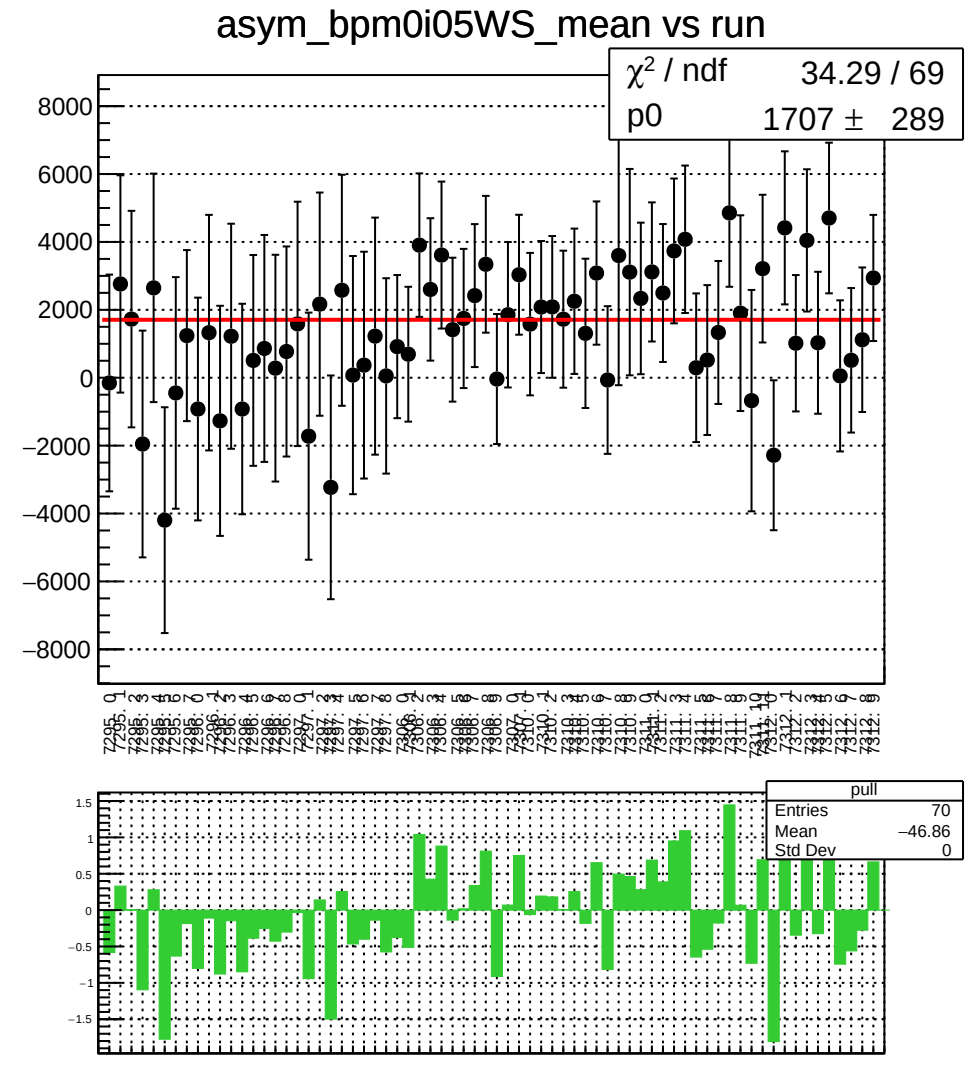

pull1D
Entries 70
Mean 0.07455
Std Dev 1.73
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

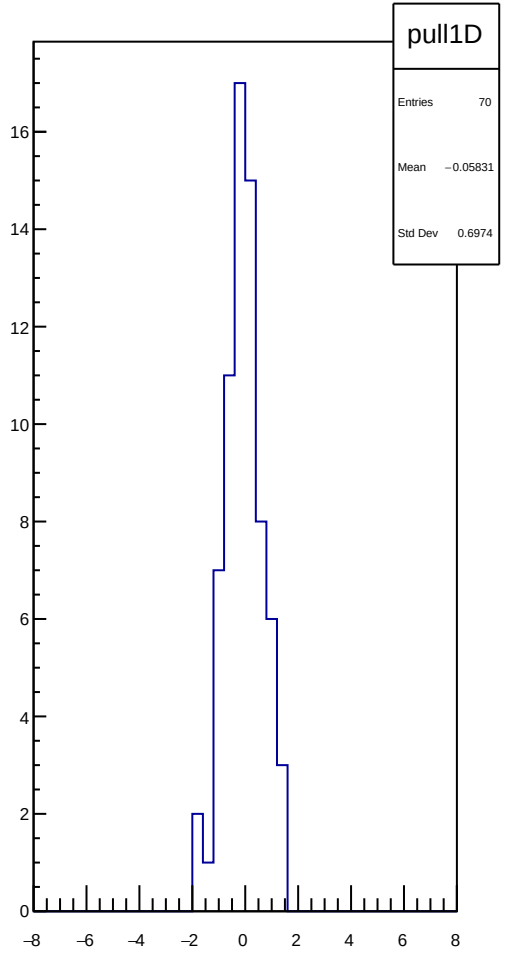

asym_bpm0i02WS_rms vs run
χ² / ndf 1.719e+04 / 69
p0 218.8 ± 0.1918
400
350
300
250
200

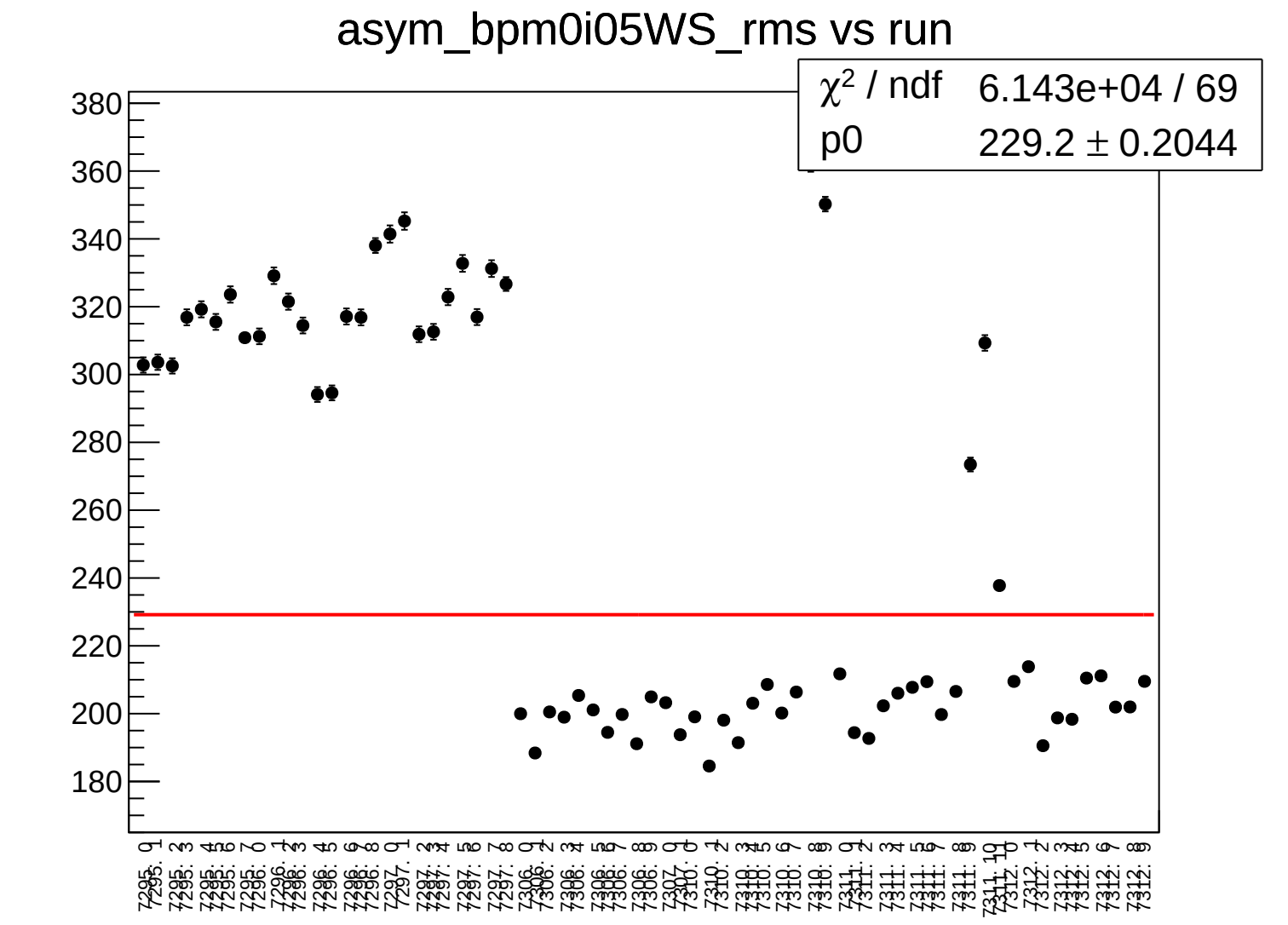

asym_bpm0i02aWS_mean vs run
χ² / ndf 139.1 / 69
p0 6988 ± 267.5
pull
Entries 70
Mean −75.46
Std Dev 0

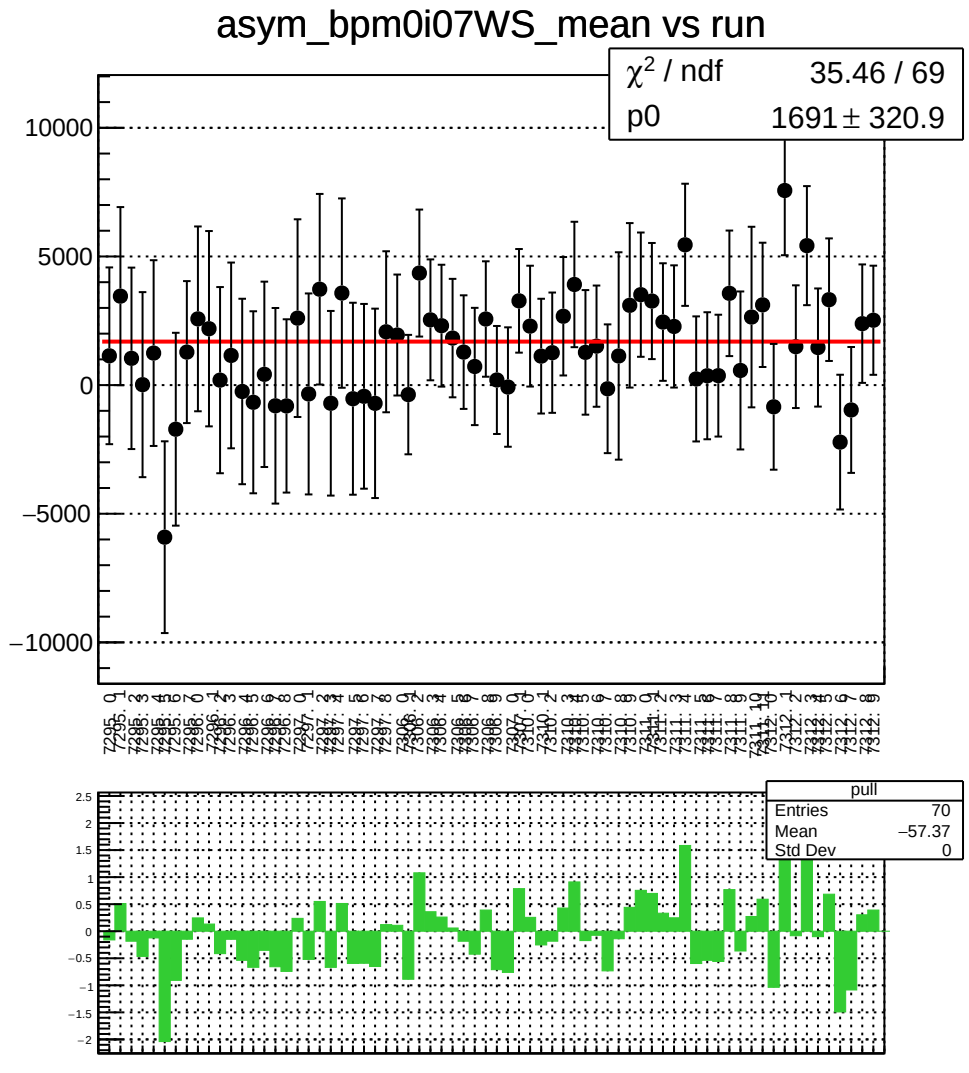

pull1D
Entries 70
Mean 0.1726
Std Dev 1.399

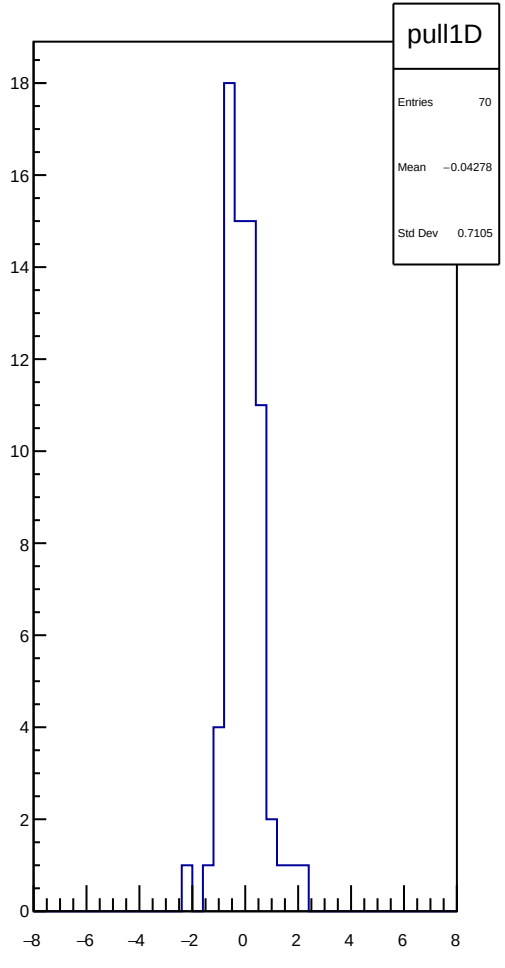

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.409e+04 / 69
p0 213.6 ± 0.1891
380
360
340
320
300
280
260
240
220
200
180
160

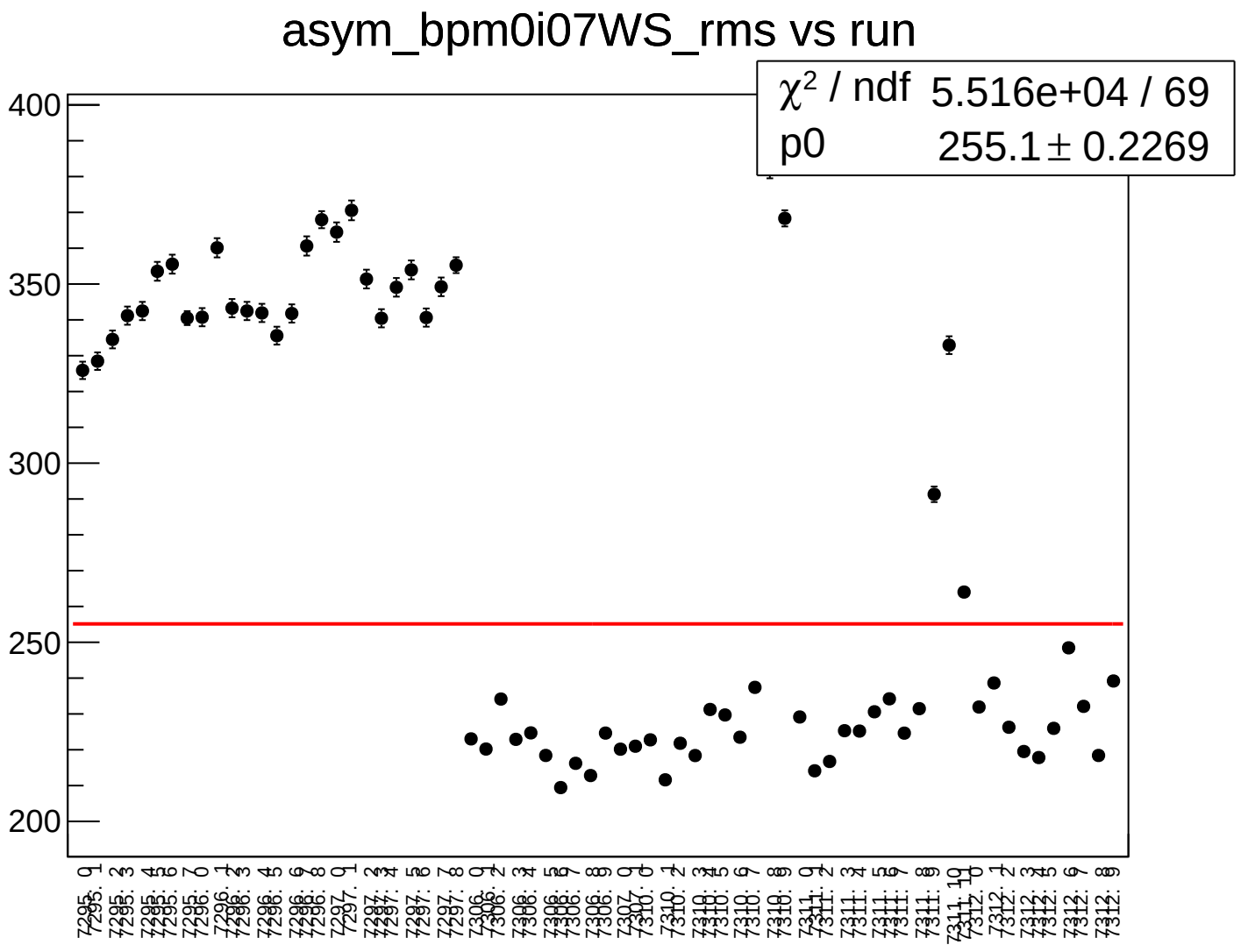

asym_bpm0i05WS_mean vs run
χ² / ndf 34.29 / 69
p0 1707 ± 289
pull
Entries 70
Mean −46.86
Std Dev 0

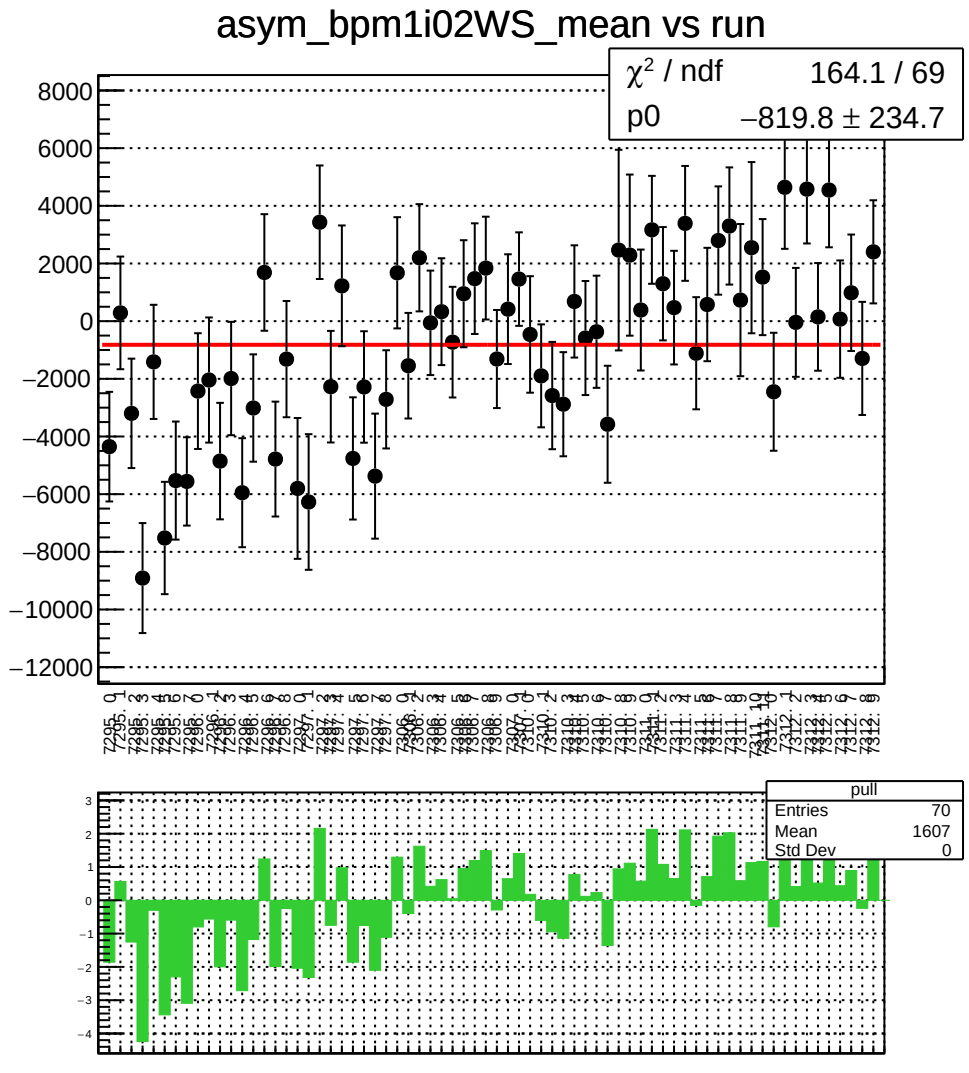

pull1D
Entries 70
Mean −0.05831
Std Dev 0.6974

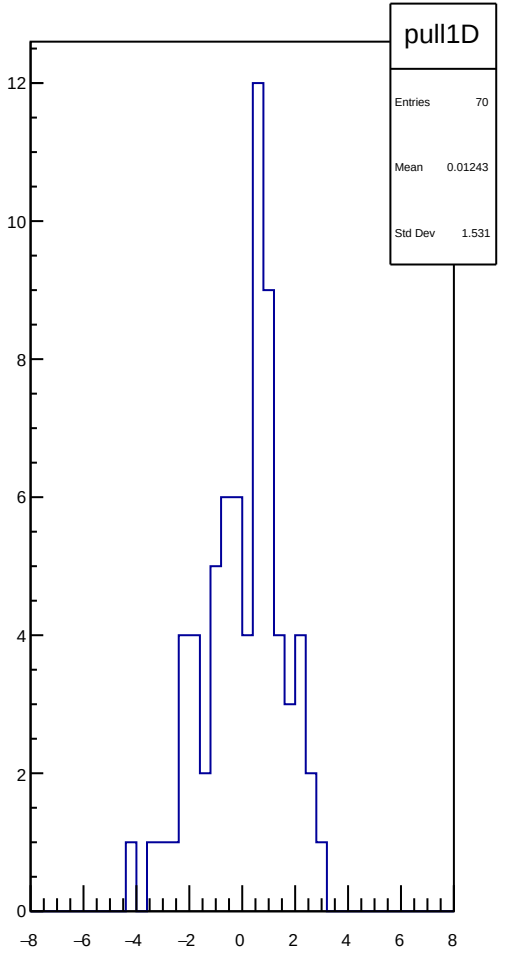

asym_bpm0i05WS_rms vs run
χ^2 / ndf 6.143e+04 / 69
p0 229.2 ± 0.2044
380
360
340
320
300
280
260
240
220
200
180

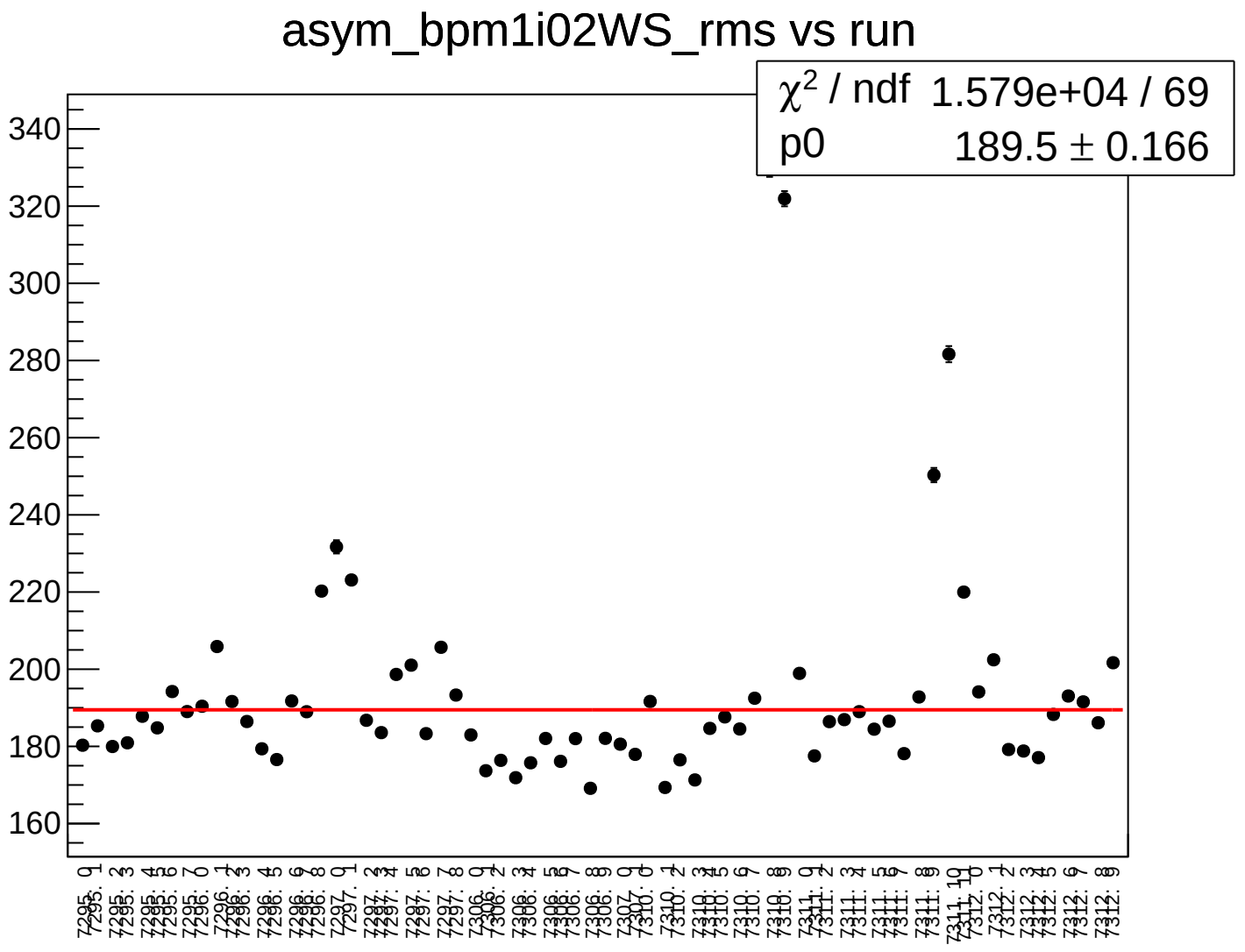

asym_bpm0i07WS_mean vs run
χ² / ndf 35.46 / 69
p0 1691 ± 320.9
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −57.37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

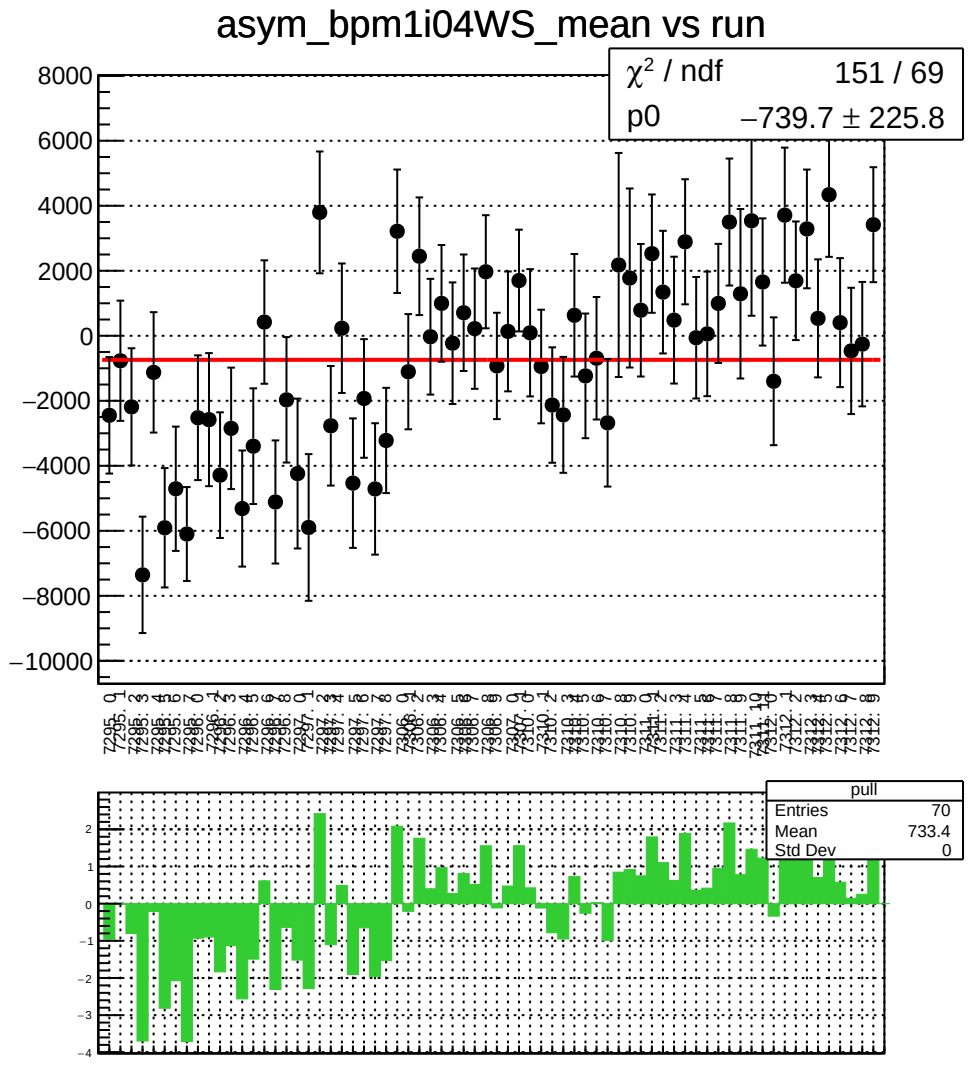

pull1D
Entries 70
Mean −0.04278
Std Dev 0.7105
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

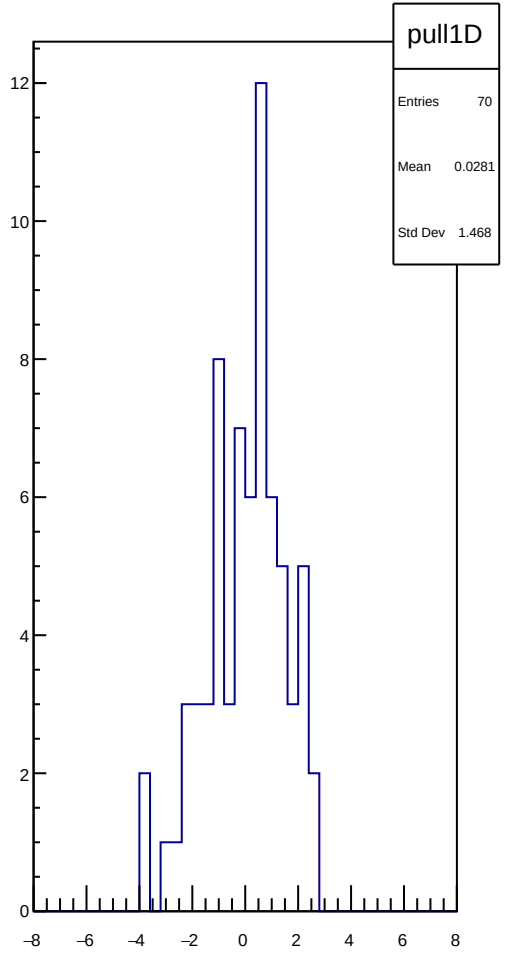

asym_bpm0i07WS_rms vs run
χ² / ndf 5.516e+04 / 69
p0 255.1 ± 0.2269
400
350
300
250
200

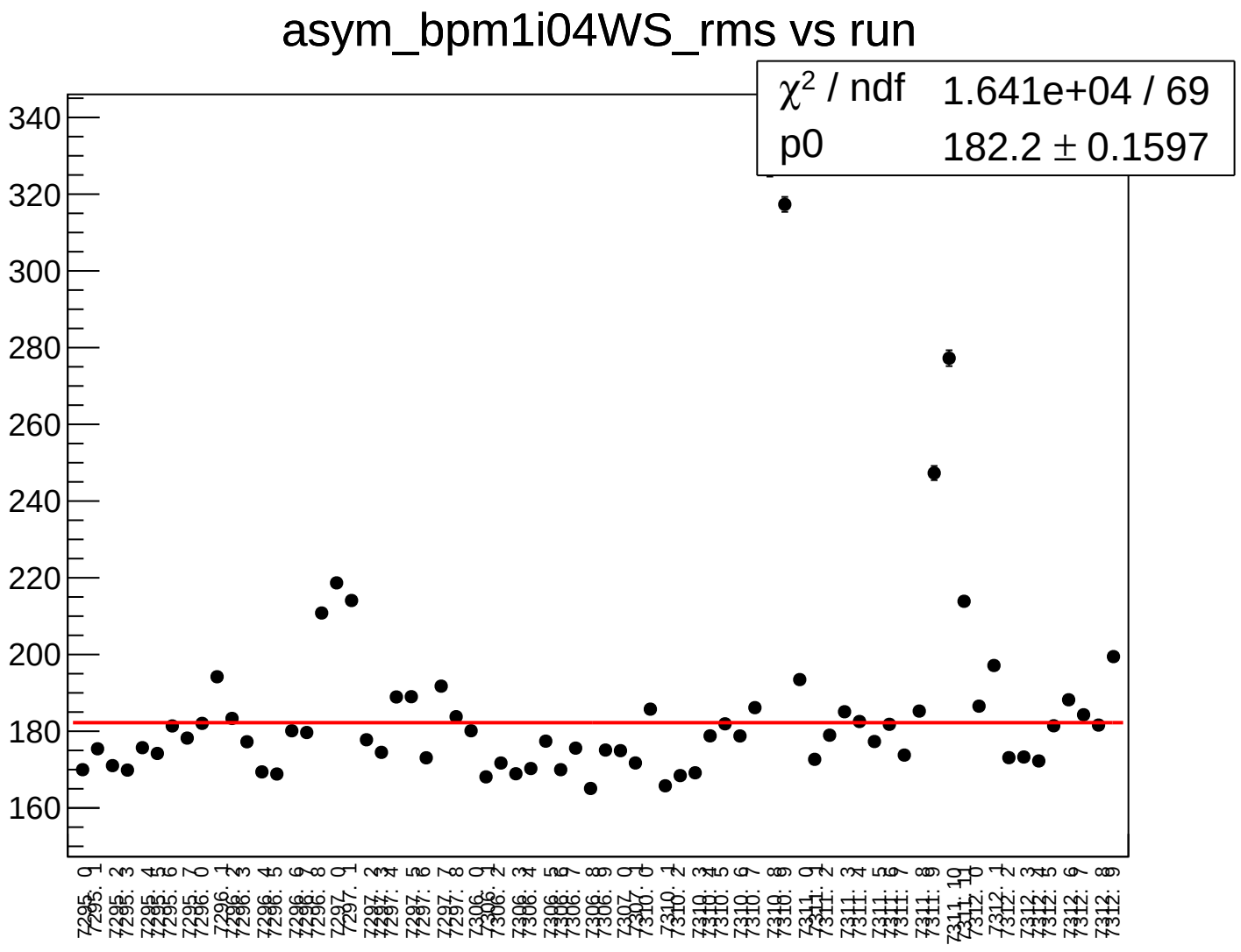

asym_bpm1i02WS_mean vs run
χ² / ndf 164.1 / 69
p0 −819.8 ± 234.7
pull
Entries 70
Mean 1607
Std Dev 0

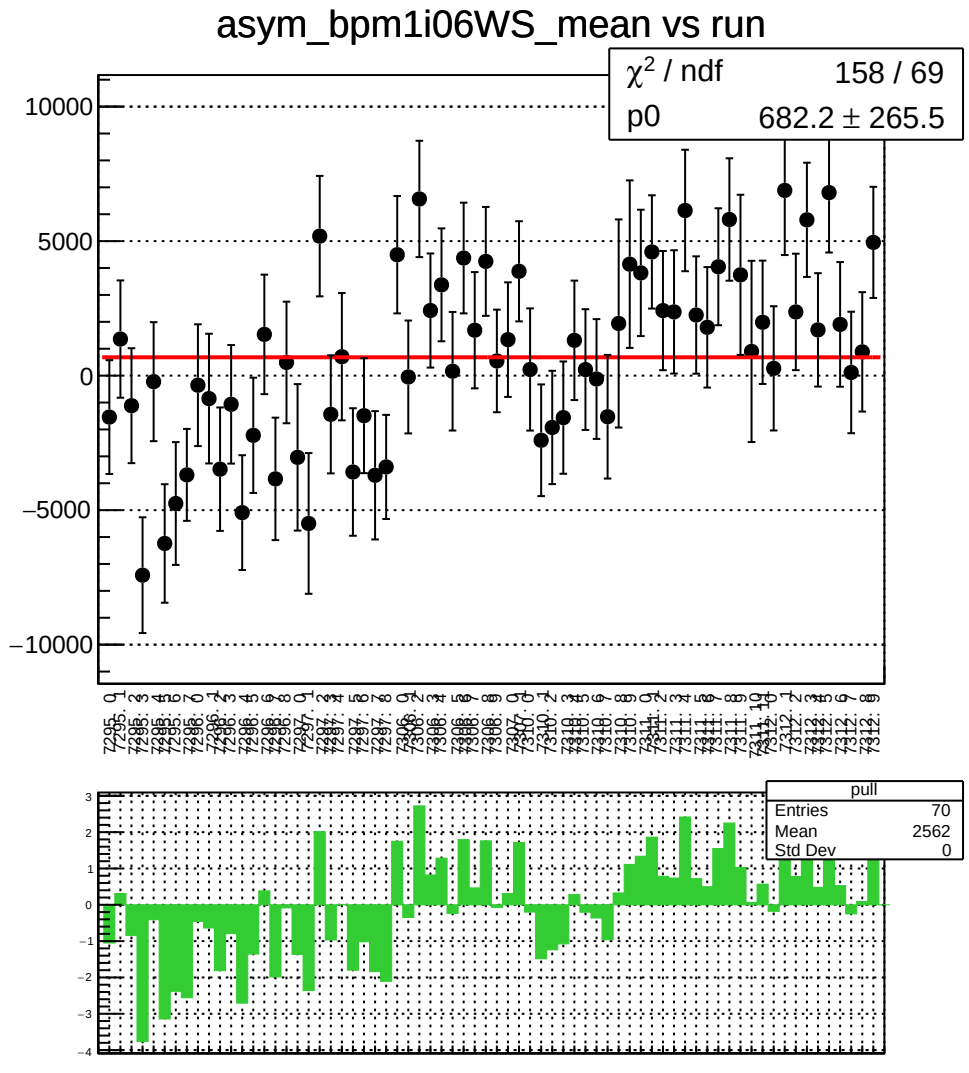

pull1D
Entries 70
Mean 0.01243
Std Dev 1.531

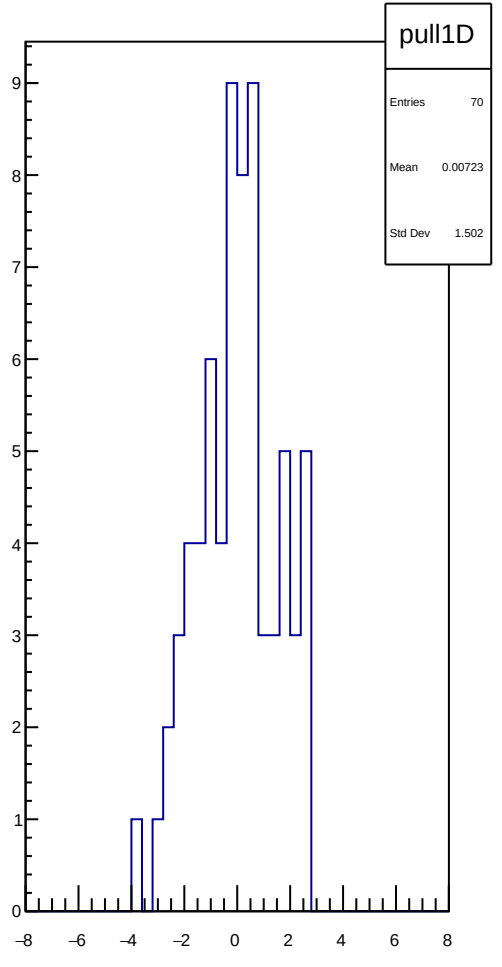

asym_bpm1i02WS_rms vs run
χ^2 / ndf 1.579e+04 / 69
p0 189.5 ± 0.166
340
320
300
280
260
240
220
200
180
160

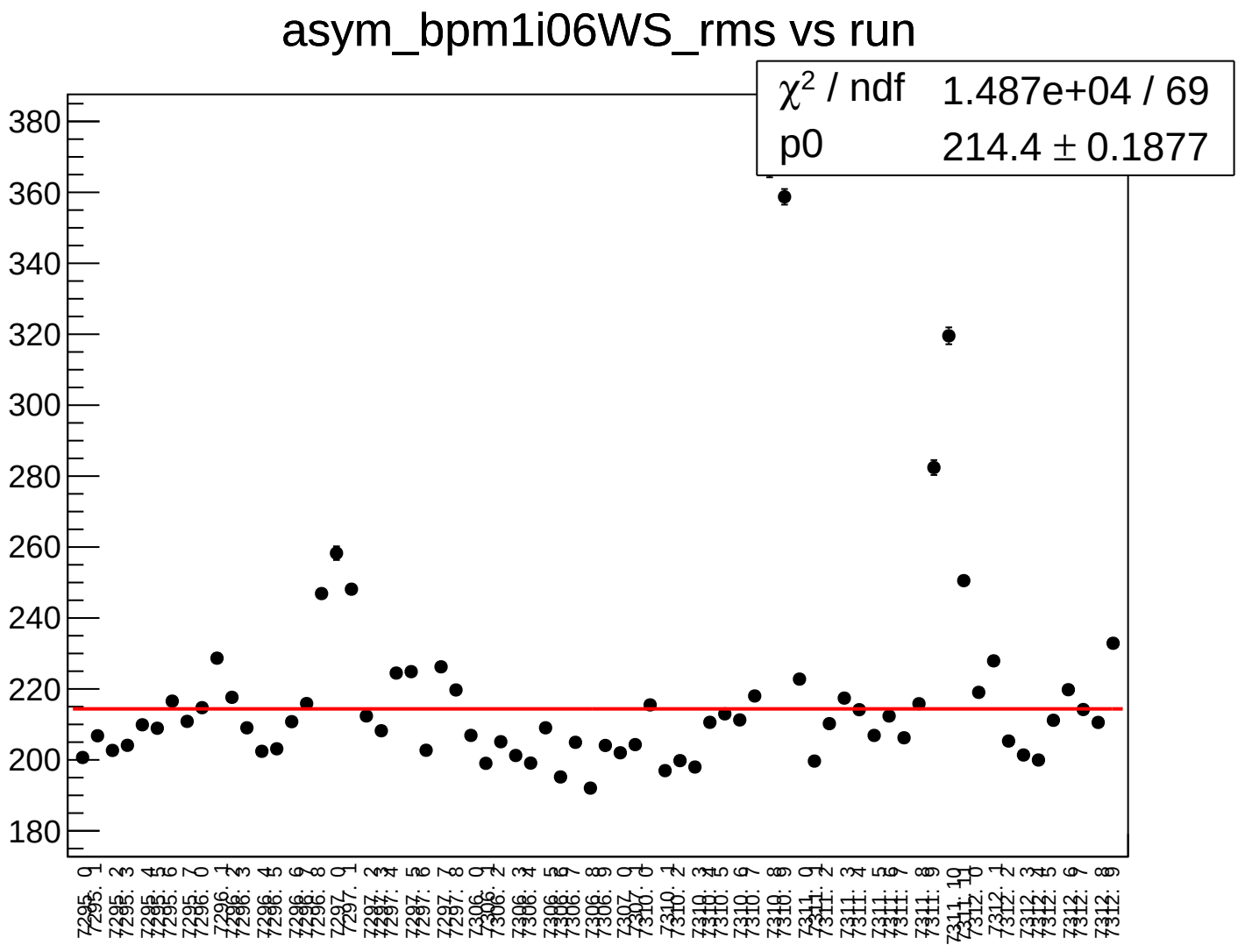

asym_bpm1i04WS_mean vs run
χ² / ndf 151 / 69
p0 −739.7 ± 225.8
pull
Entries 70
Mean 733.4
Std Dev 0

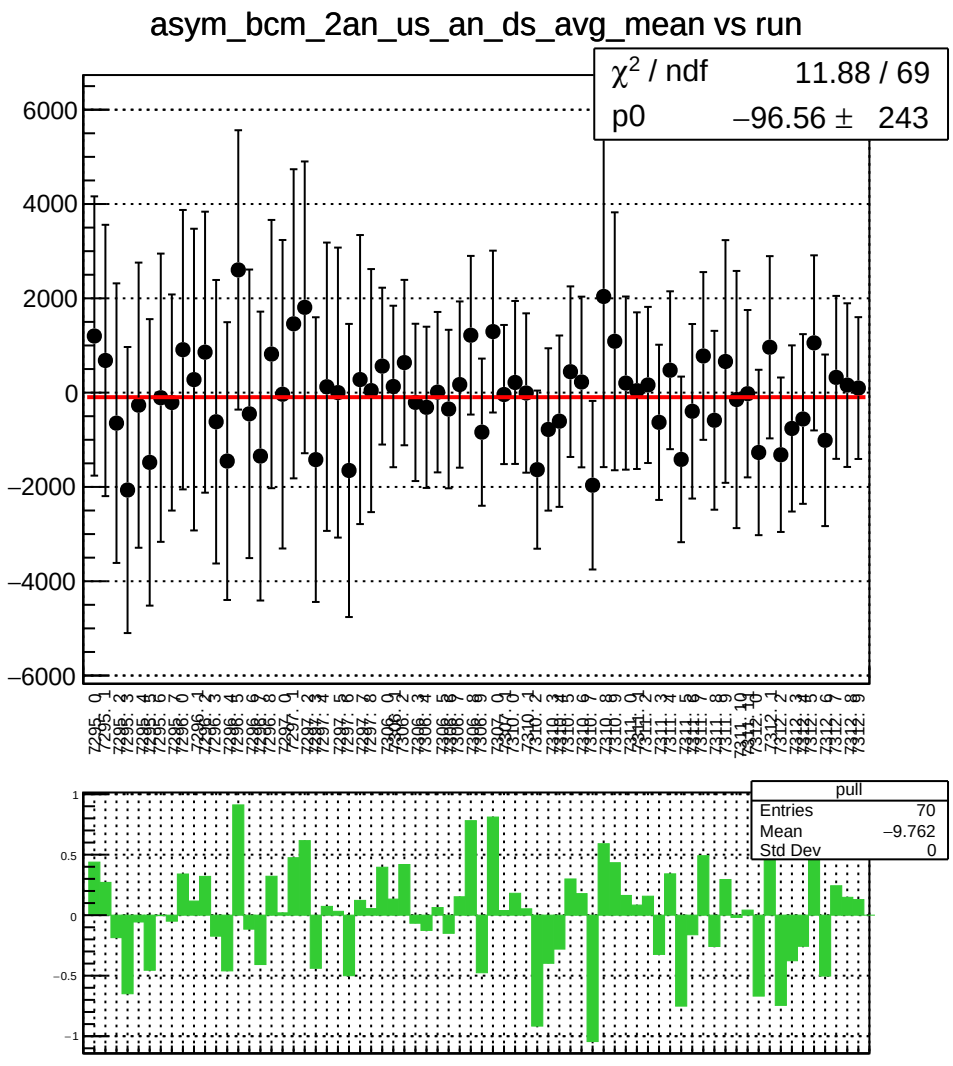

pull1D
Entries 70
Mean 0.0281
Std Dev 1.468

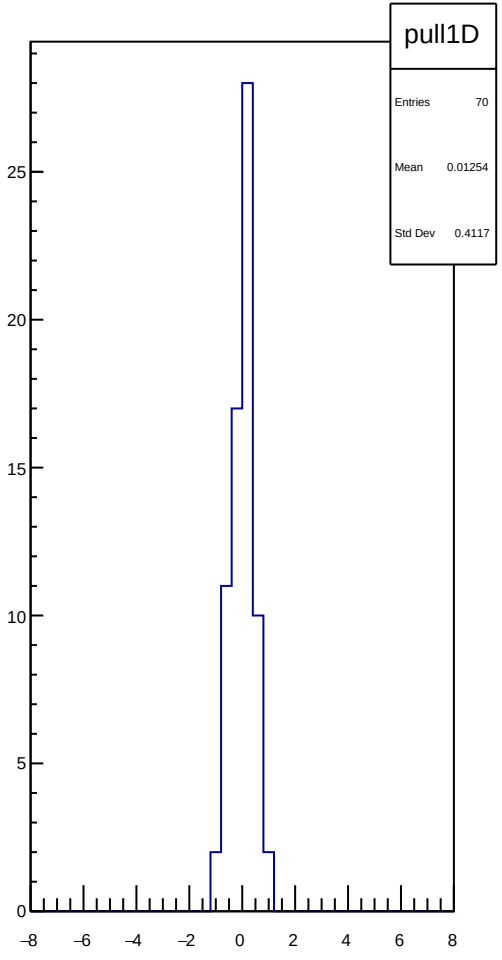

asym_bpm1i04WS_rms vs run
χ² / ndf 1.641e+04 / 69
p0 182.2 ± 0.1597
340
320
300
280
260
240
220
200
180
160

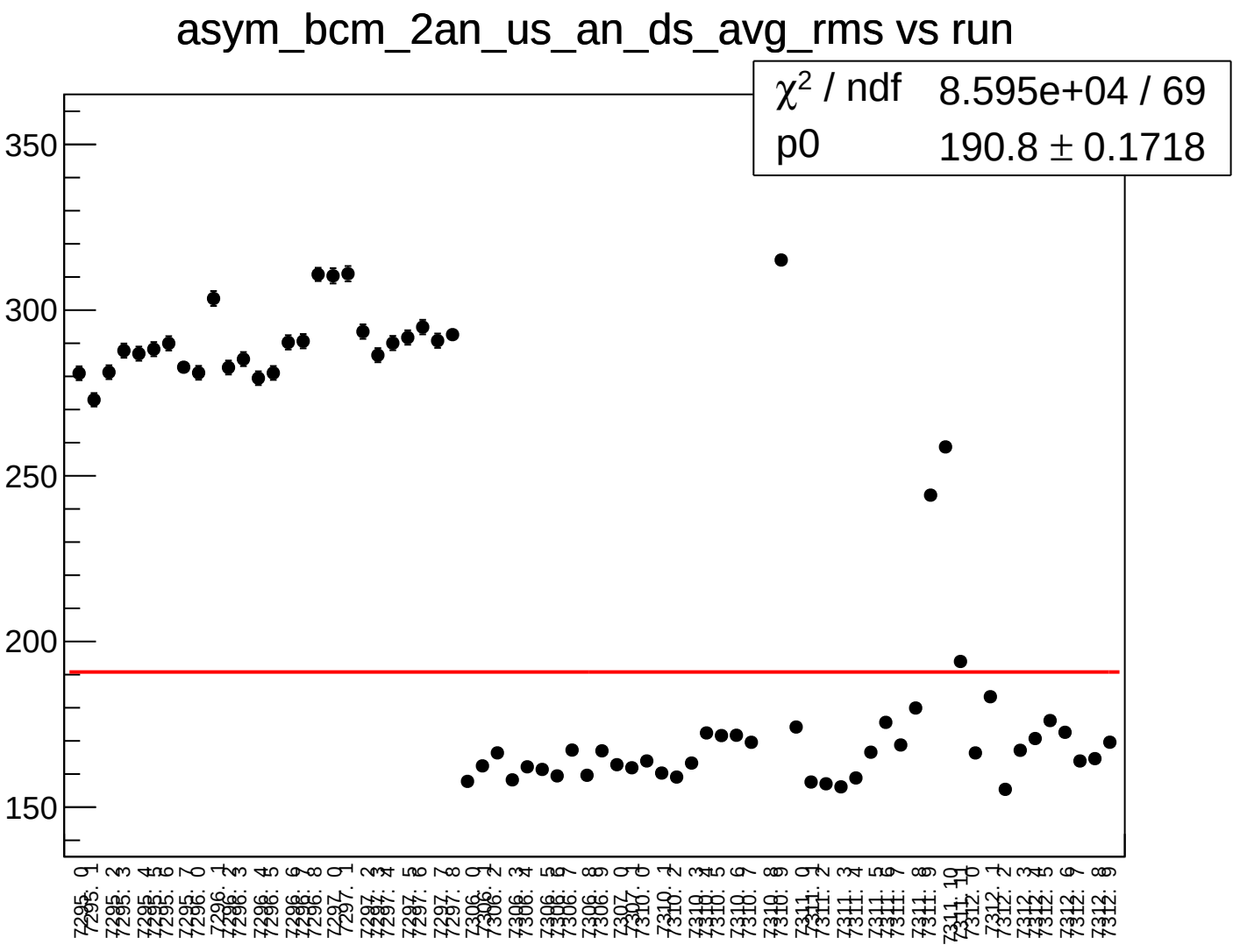

asym_bpm1i06WS_mean vs run
χ^2 / ndf 158 / 69
p0 682.2 ± 265.5
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 2562
Std Dev 0
3
2
1
0
−1
−2
−3
−4

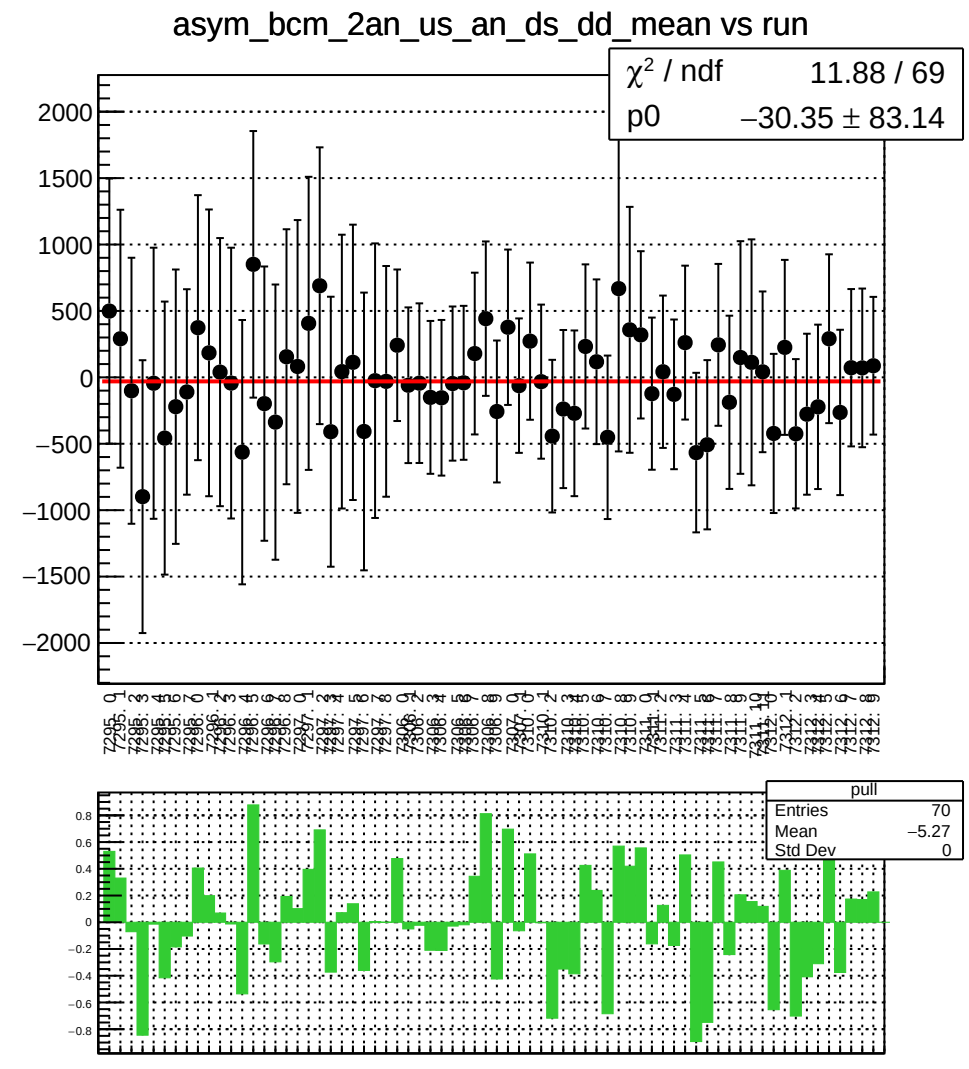

pull1D
Entries 70
Mean 0.00723
Std Dev 1.502
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

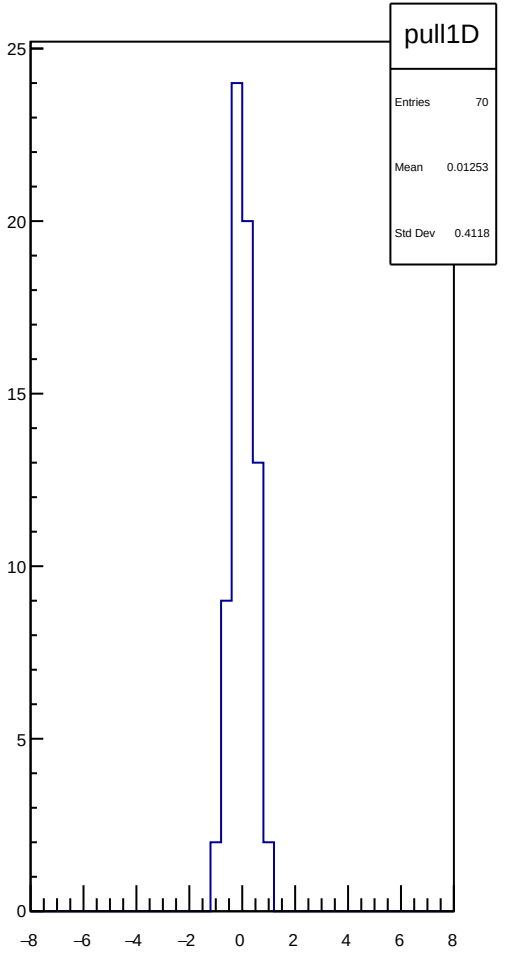

asym_bpm1i06WS_rms vs run
χ^2 / ndf 1.487e+04 / 69
p0 214.4 ± 0.1877
380
360
340
320
300
280
260
240
220
200
180

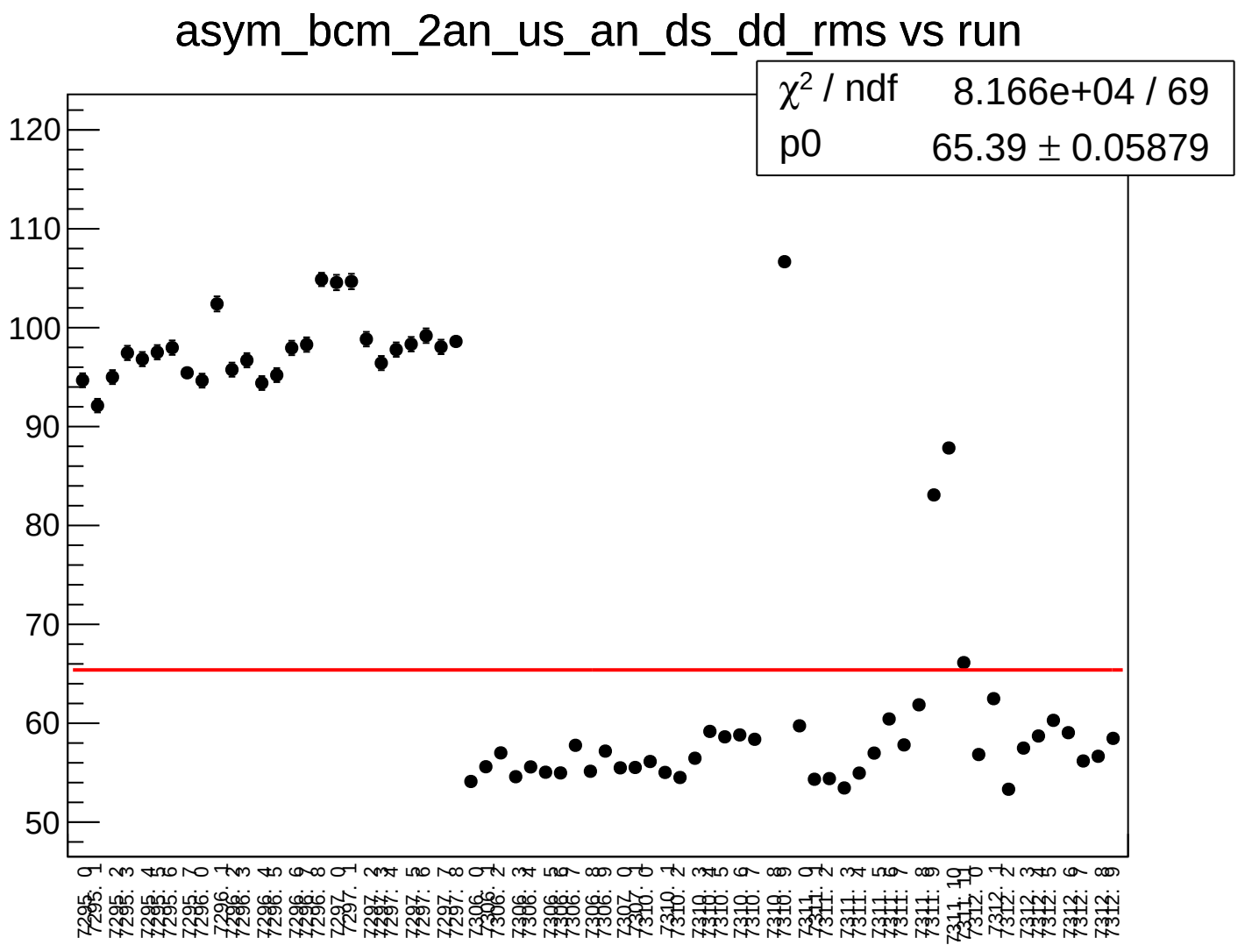

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 11.88 / 69
p0 −96.56 ± 243
pull
Entries 70
Mean −9.762
Std Dev 0

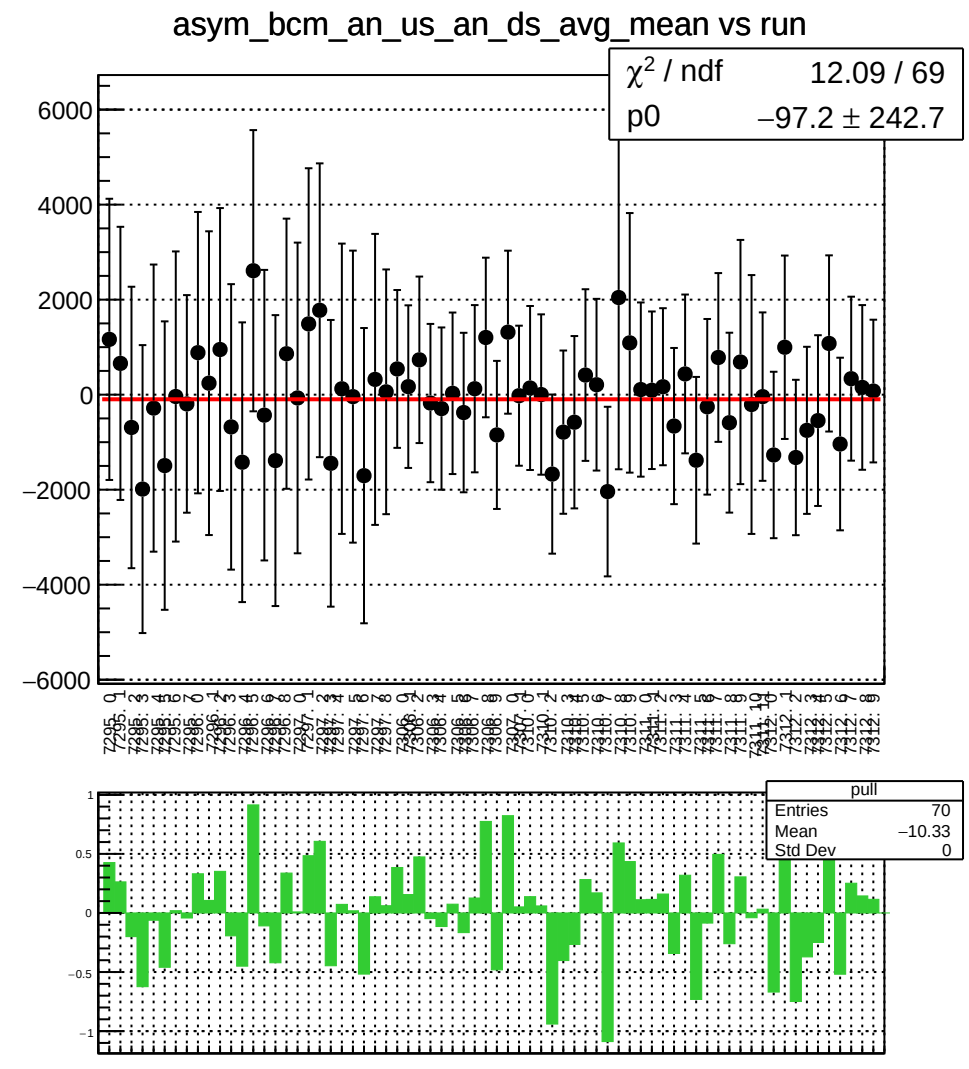

pull1D
Entries 70
Mean 0.01254
Std Dev 0.4117

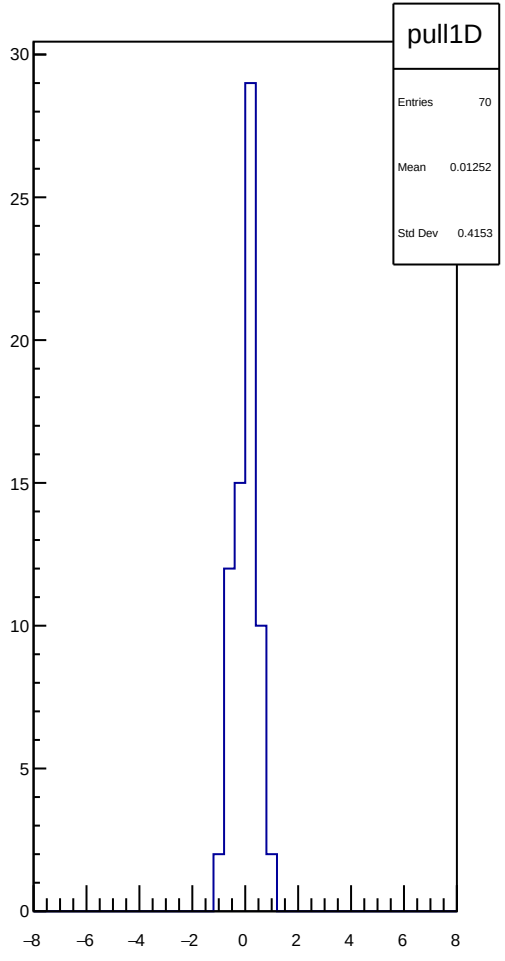

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 8.595e+04 / 69
p0 190.8 ± 0.1718
350
300
250
200
150

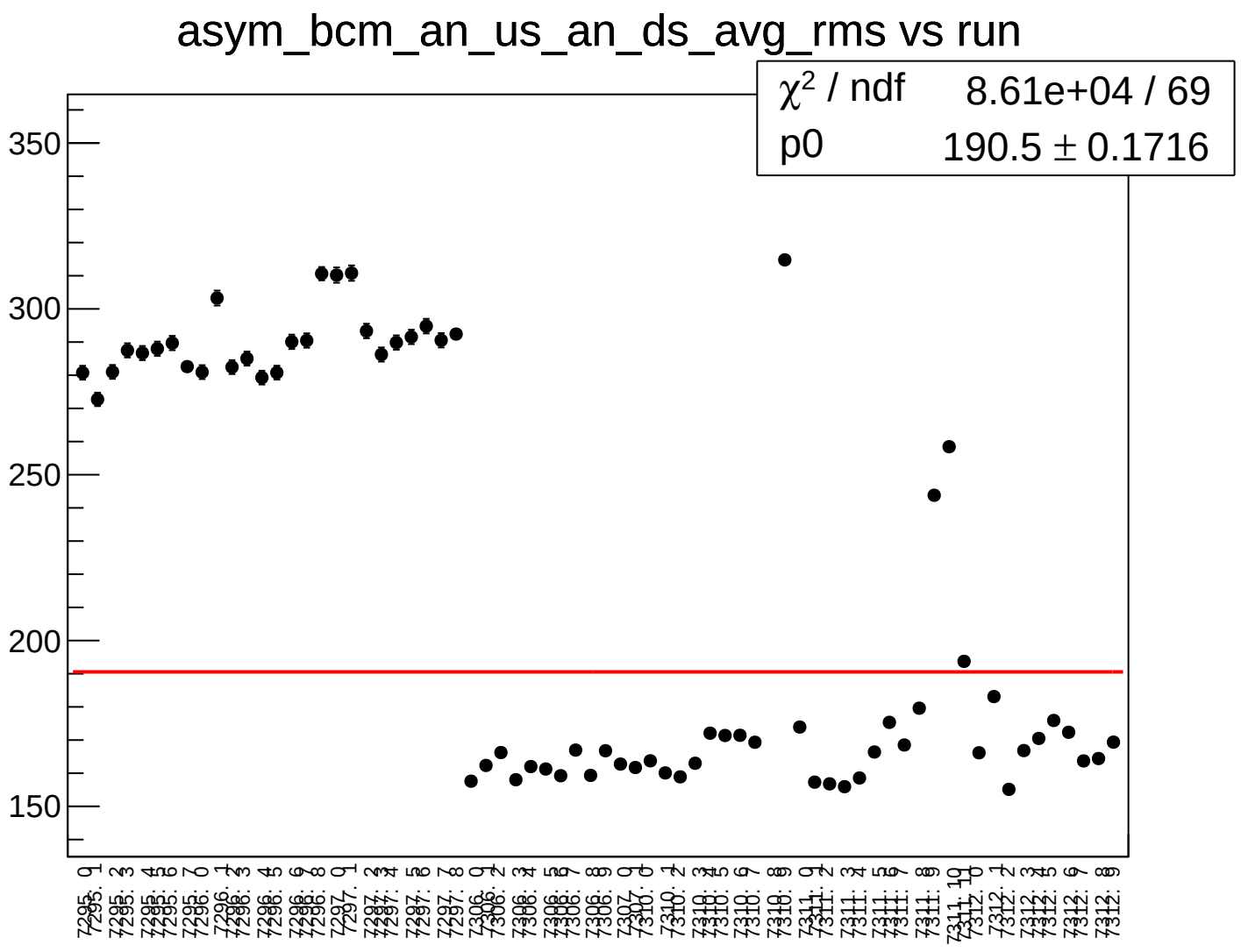

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 11.88 / 69
p0 −30.35 ± 83.14
pull
Entries 70
Mean −5.27
Std Dev 0

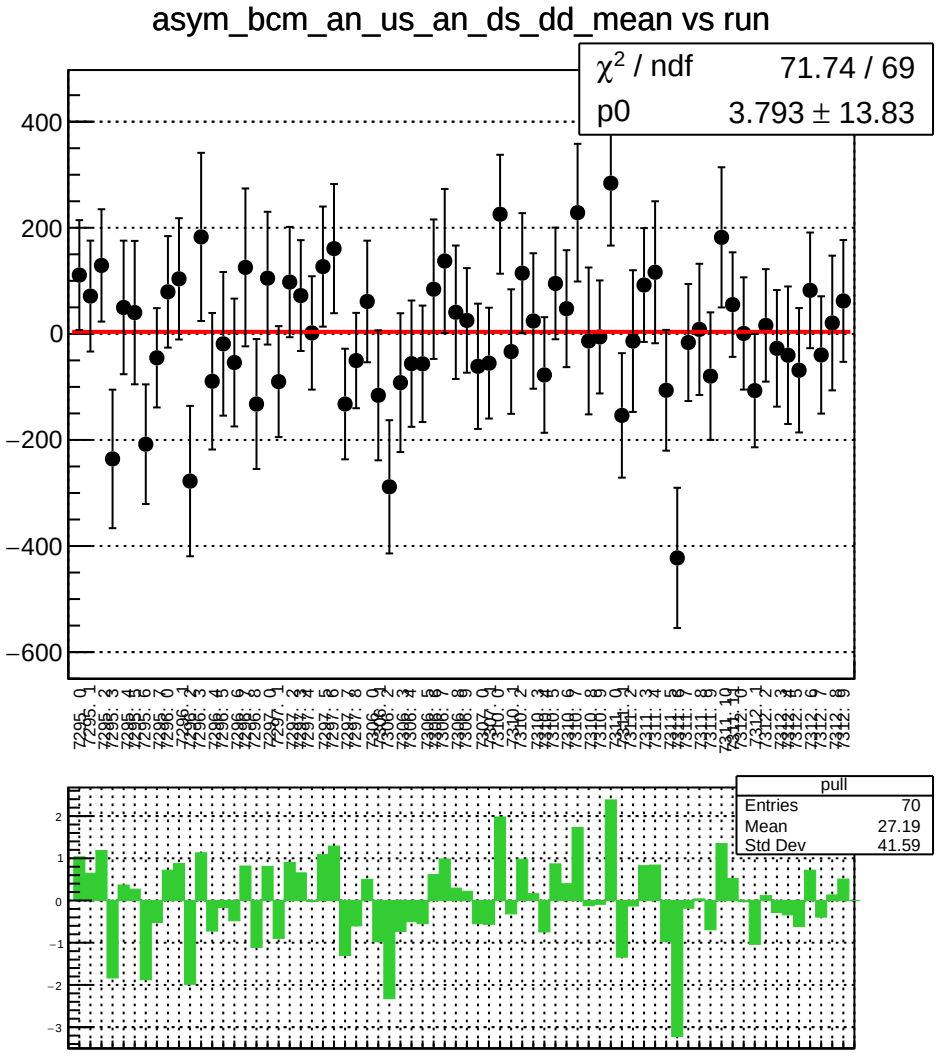

pull1D
Entries 70
Mean 0.01253
Std Dev 0.4118

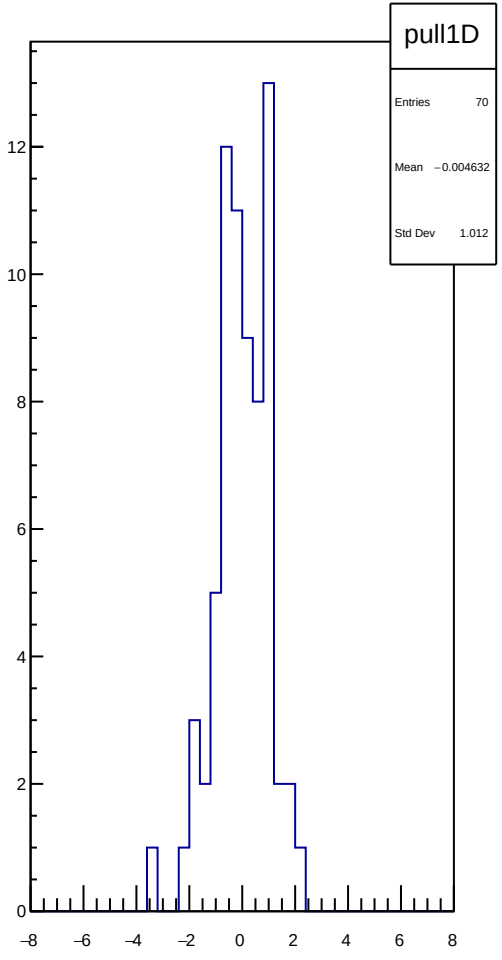

asym_bcm_2an_us_an_ds_dd_rms vs run
χ^2 / ndf 8.166e+04 / 69
p0 65.39 ± 0.05879
120
110
100
90
80
70
60
50

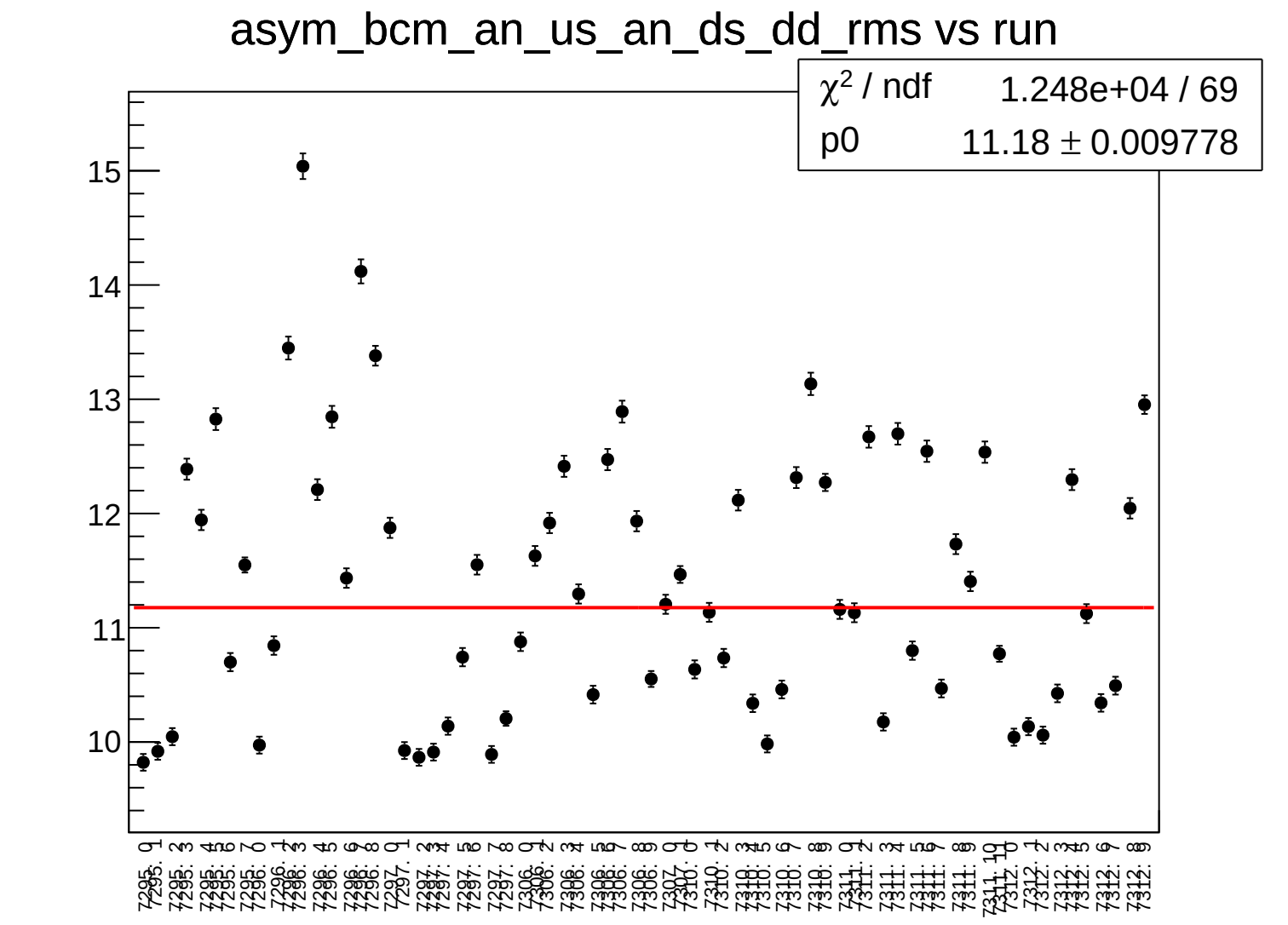

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 12.09 / 69
p0 −97.2 ± 242.7
pull
Entries 70
Mean −10.33
Std Dev 0

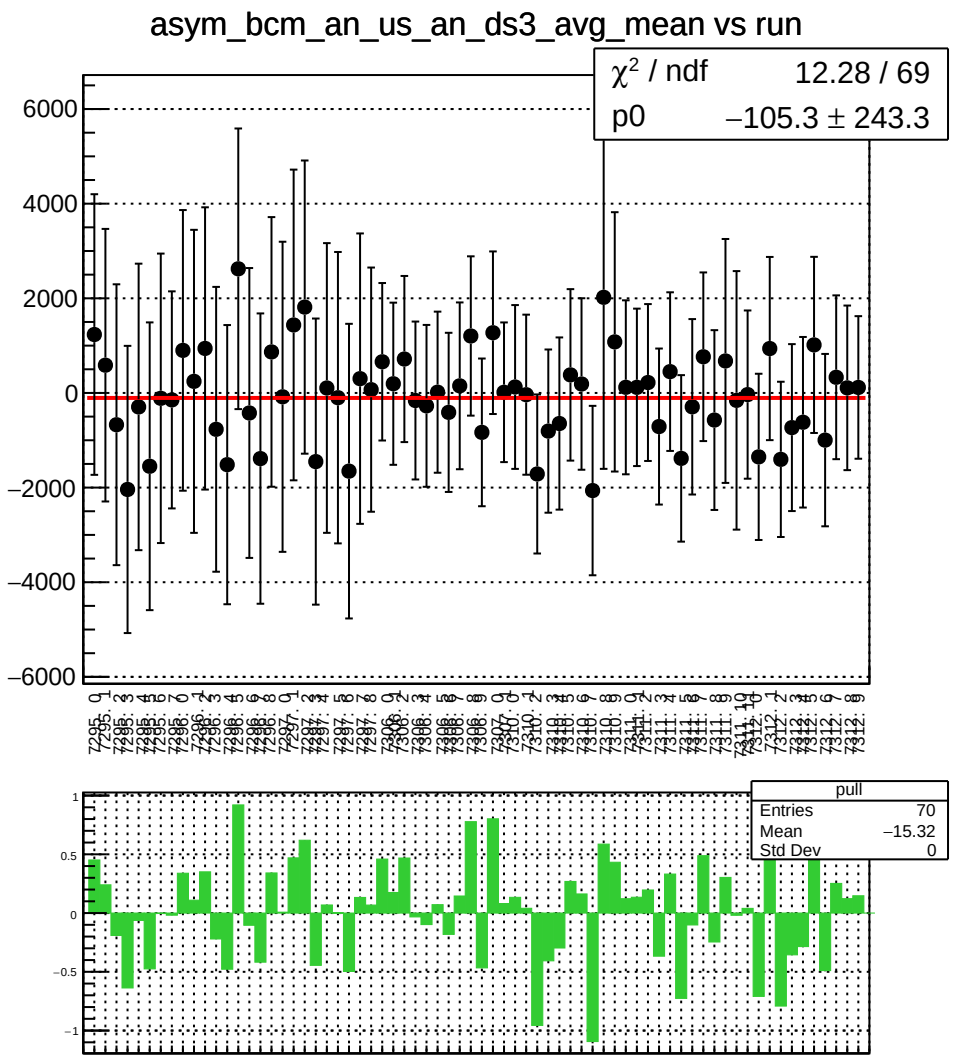

pull1D
Entries 70
Mean 0.01252
Std Dev 0.4153

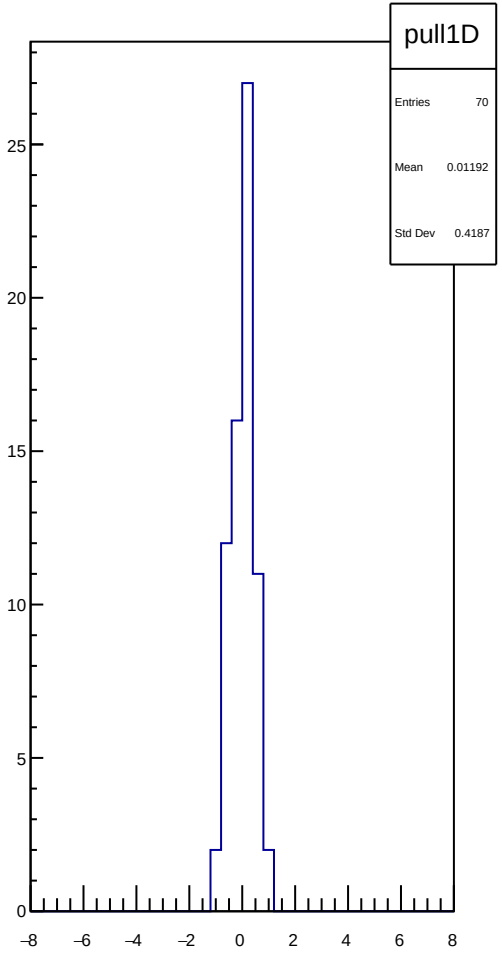

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 8.61e+04 / 69
p0 190.5 ± 0.1716
350
300
250
200
150

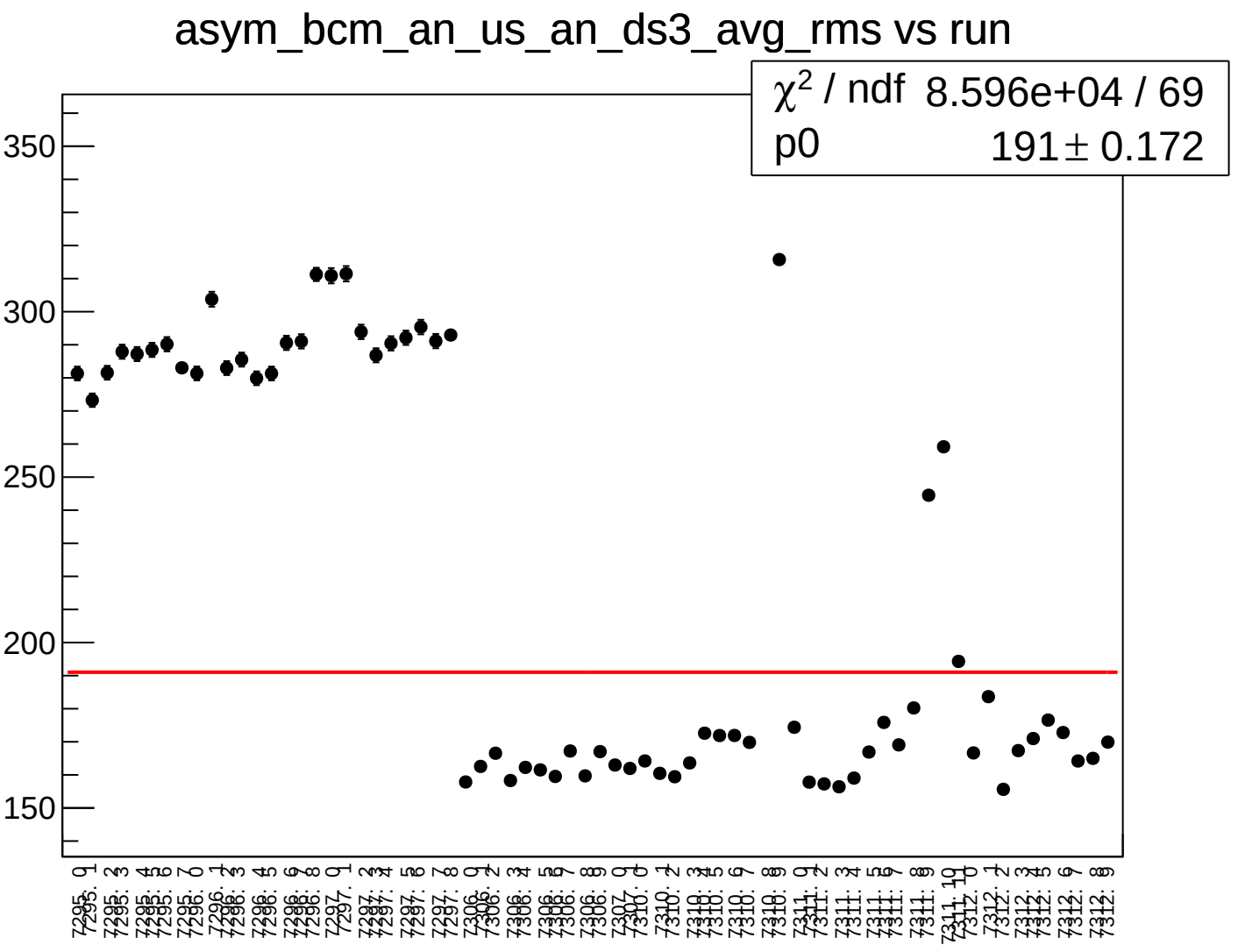

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 71.74 / 69
p0 3.793 ± 13.83
pull
Entries 70
Mean 27.19
Std Dev 41.59

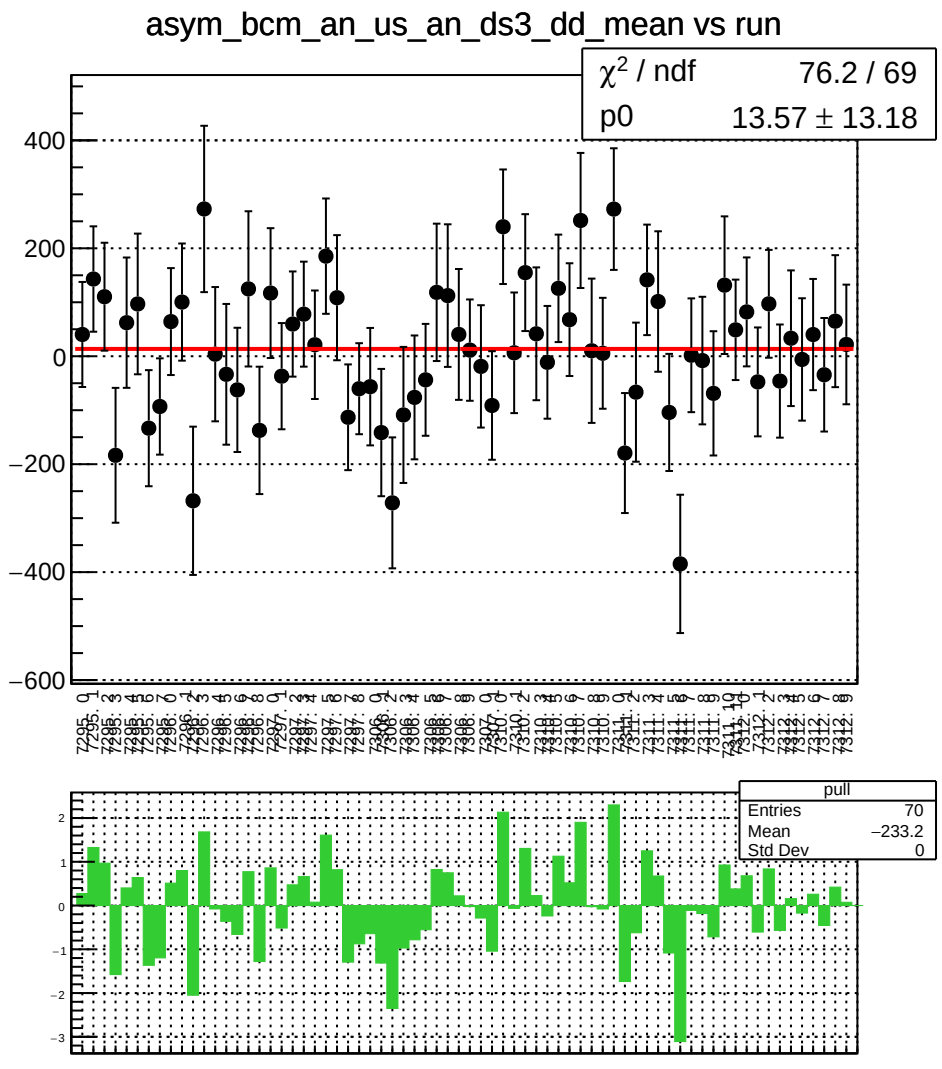

pull1D
Entries 70
Mean −0.004632
Std Dev 1.012

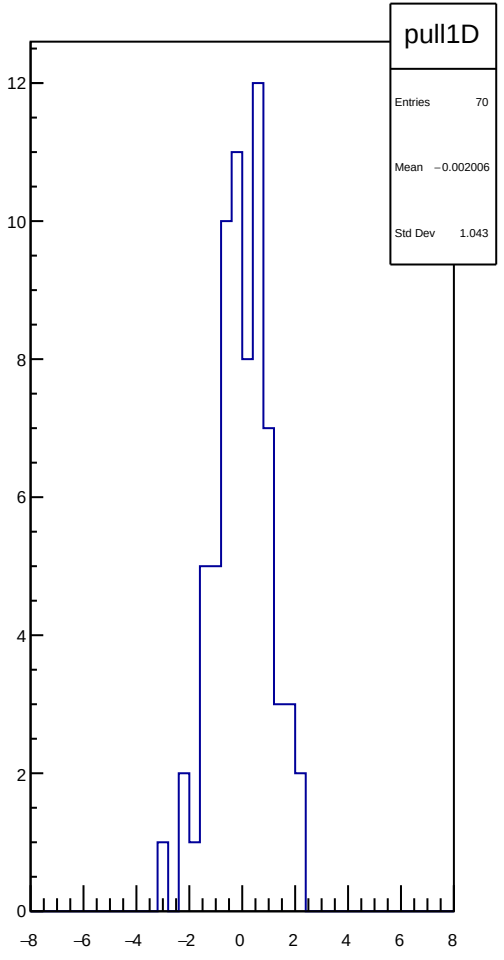

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1.248e+04 / 69
p0 11.18 ± 0.009778
15
14
13
12
11
10

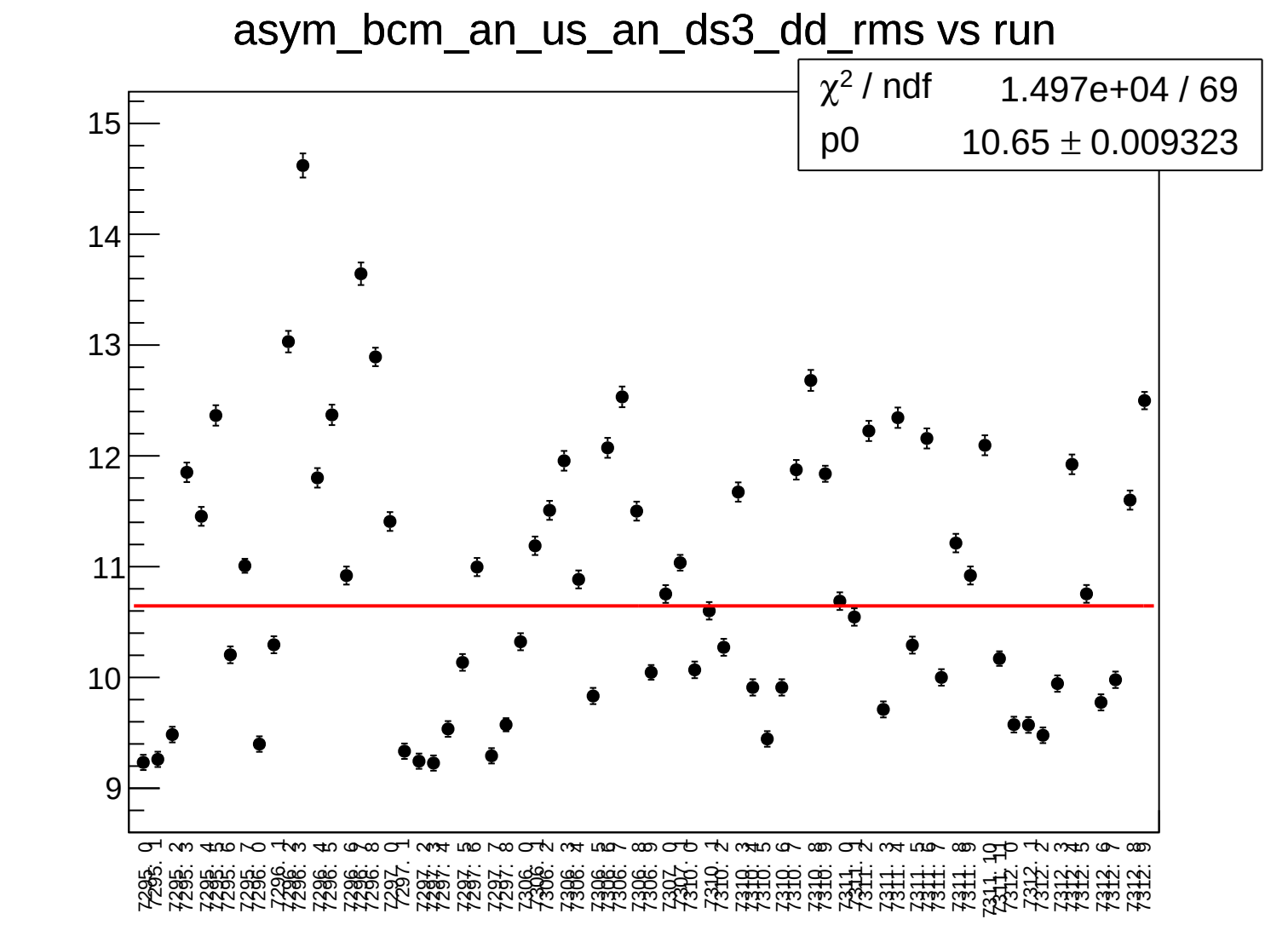

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 12.28 / 69
p0 −105.3 ± 243.3
pull
Entries 70
Mean −15.32
Std Dev 0

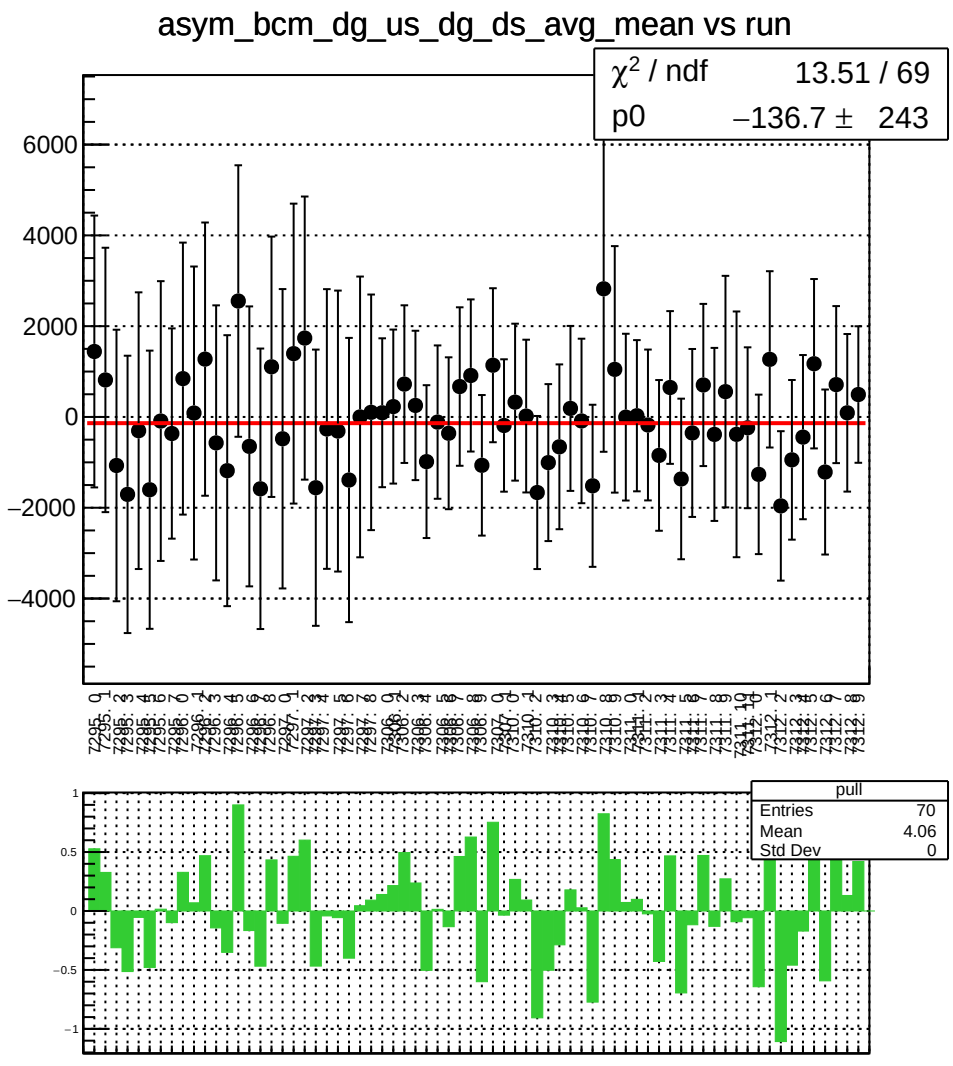

pull1D
Entries 70
Mean 0.01192
Std Dev 0.4187

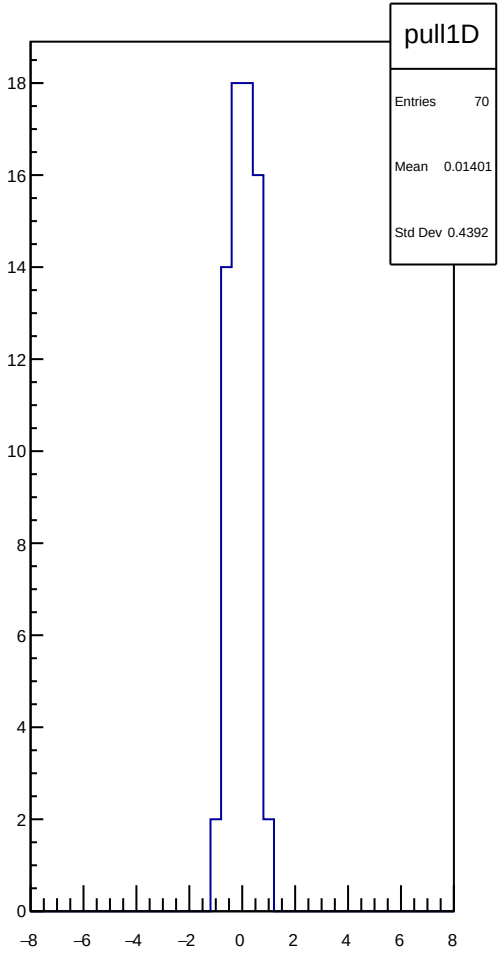

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 8.596e+04 / 69
p0 191 ± 0.172
350
300
250
200
150

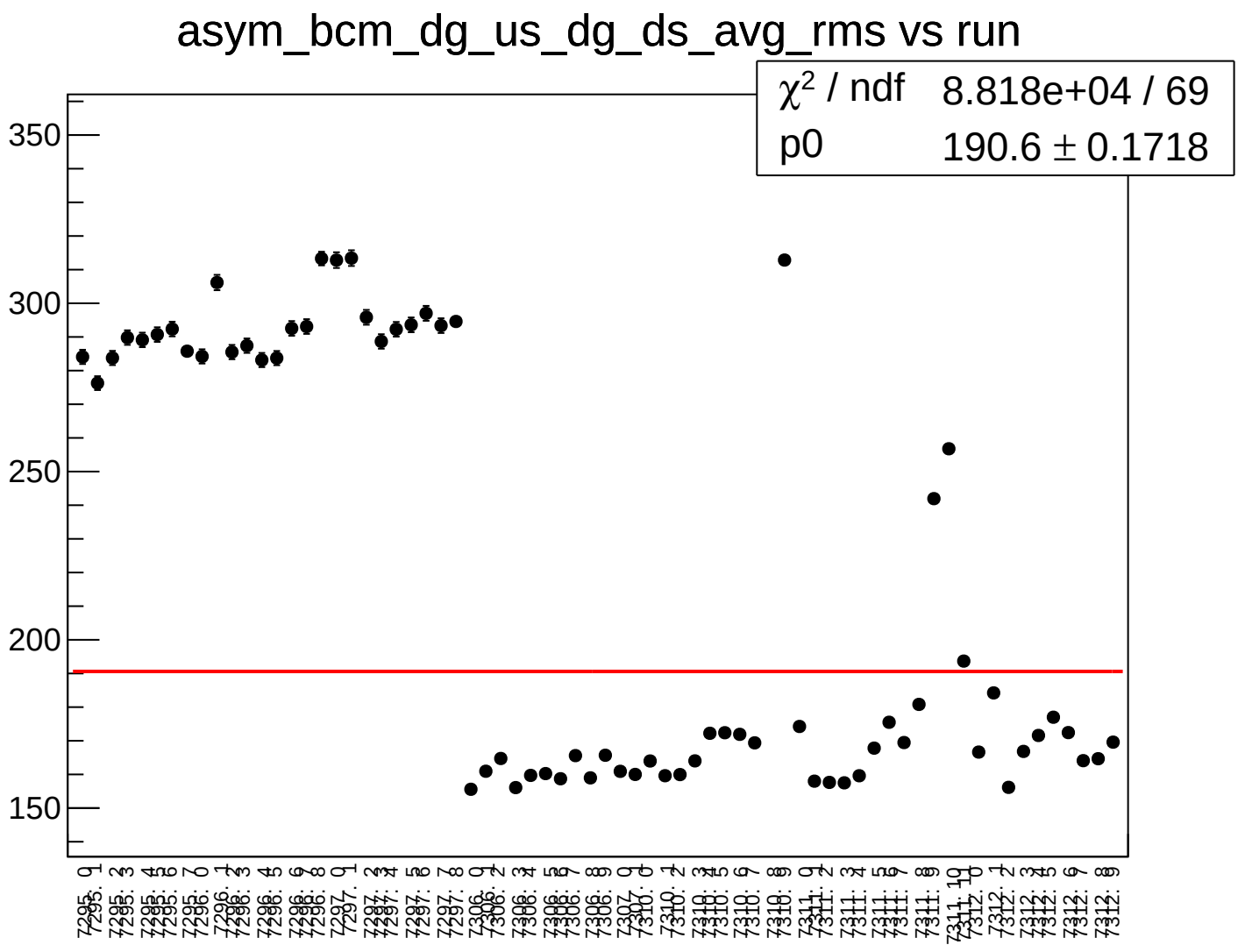

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 76.2 / 69
p0 13.57 ± 13.18
pull
Entries 70
Mean −233.2
Std Dev 0

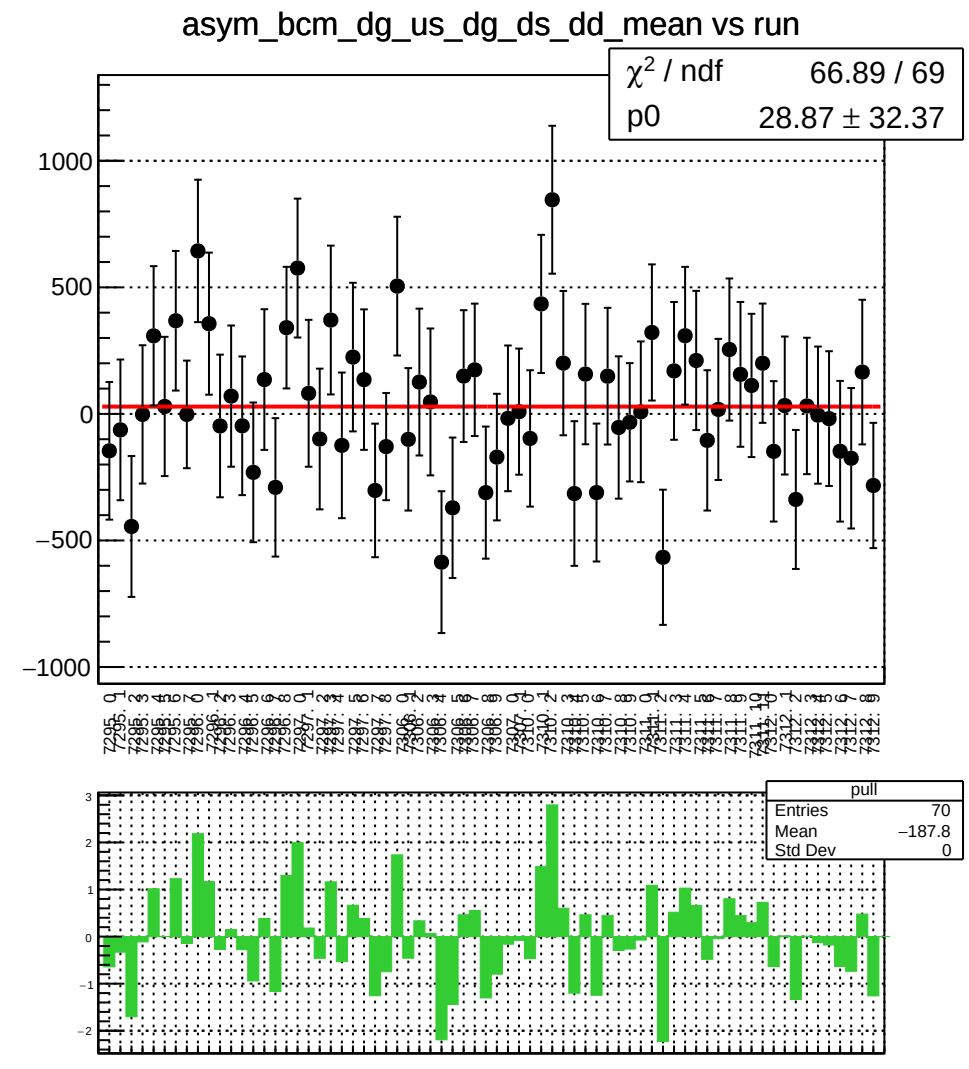

pull1D
Entries 70
Mean −0.002006
Std Dev 1.043

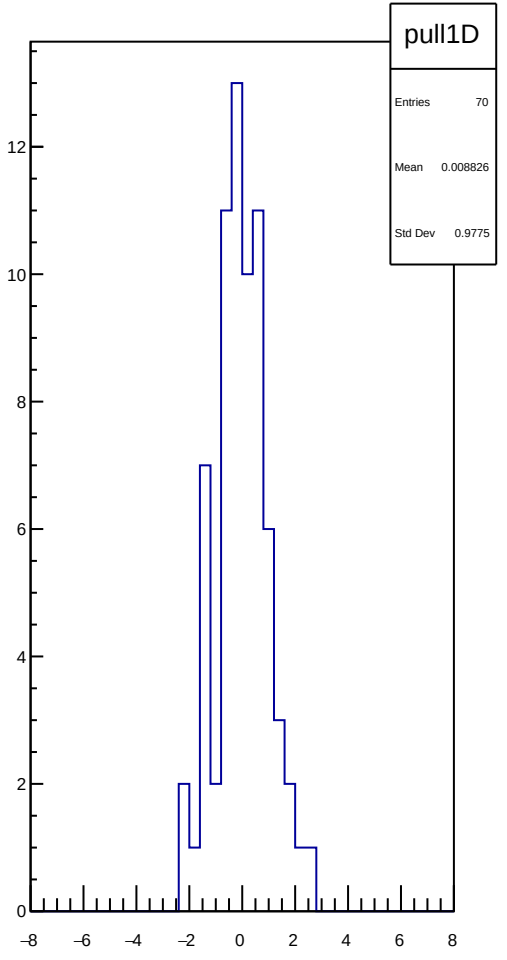

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.497e+04 / 69
p0 10.65 ± 0.009323
15
14
13
12
11
10
9

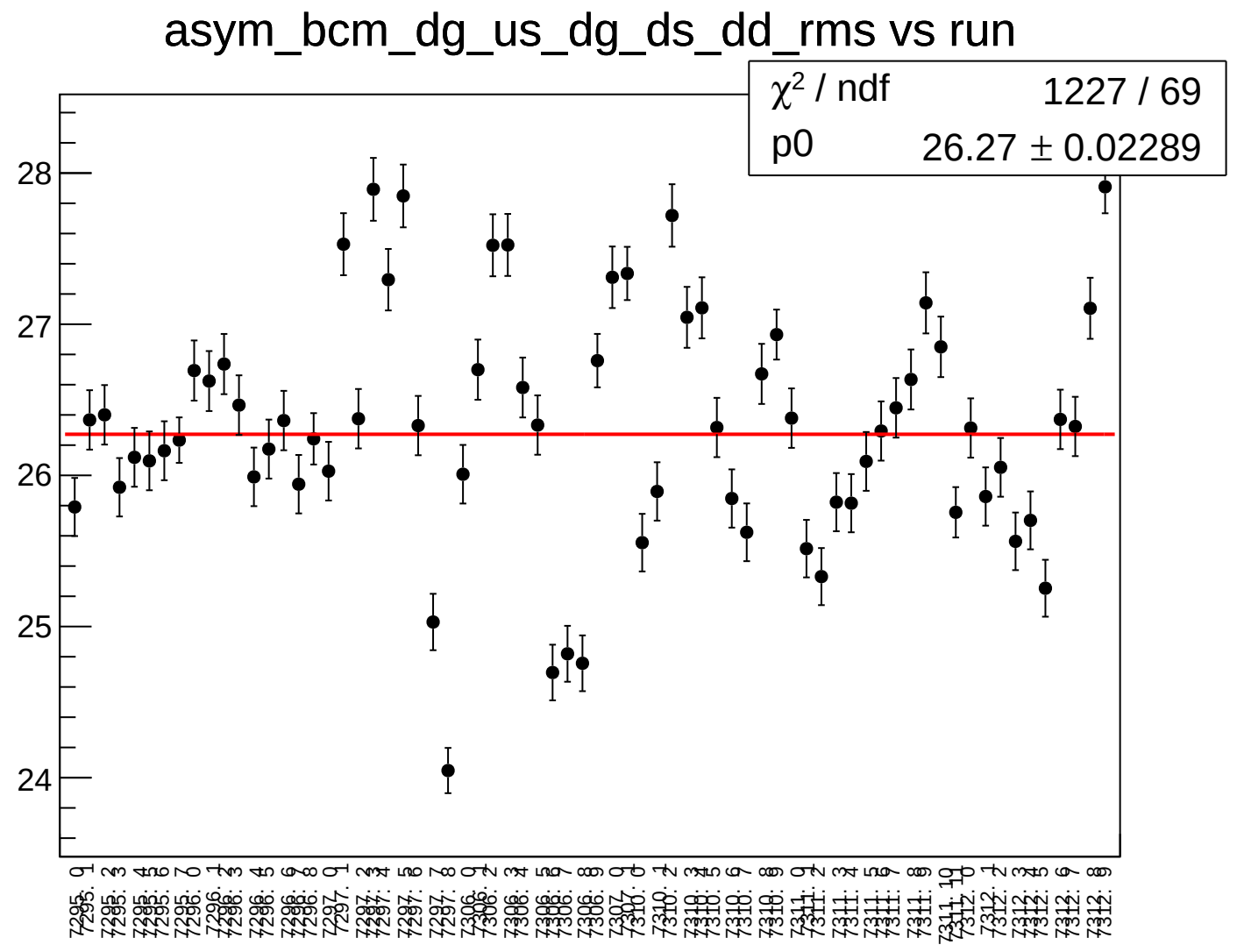

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 13.51 / 69
p0 −136.7 ± 243
pull
Entries 70
Mean 4.06
Std Dev 0

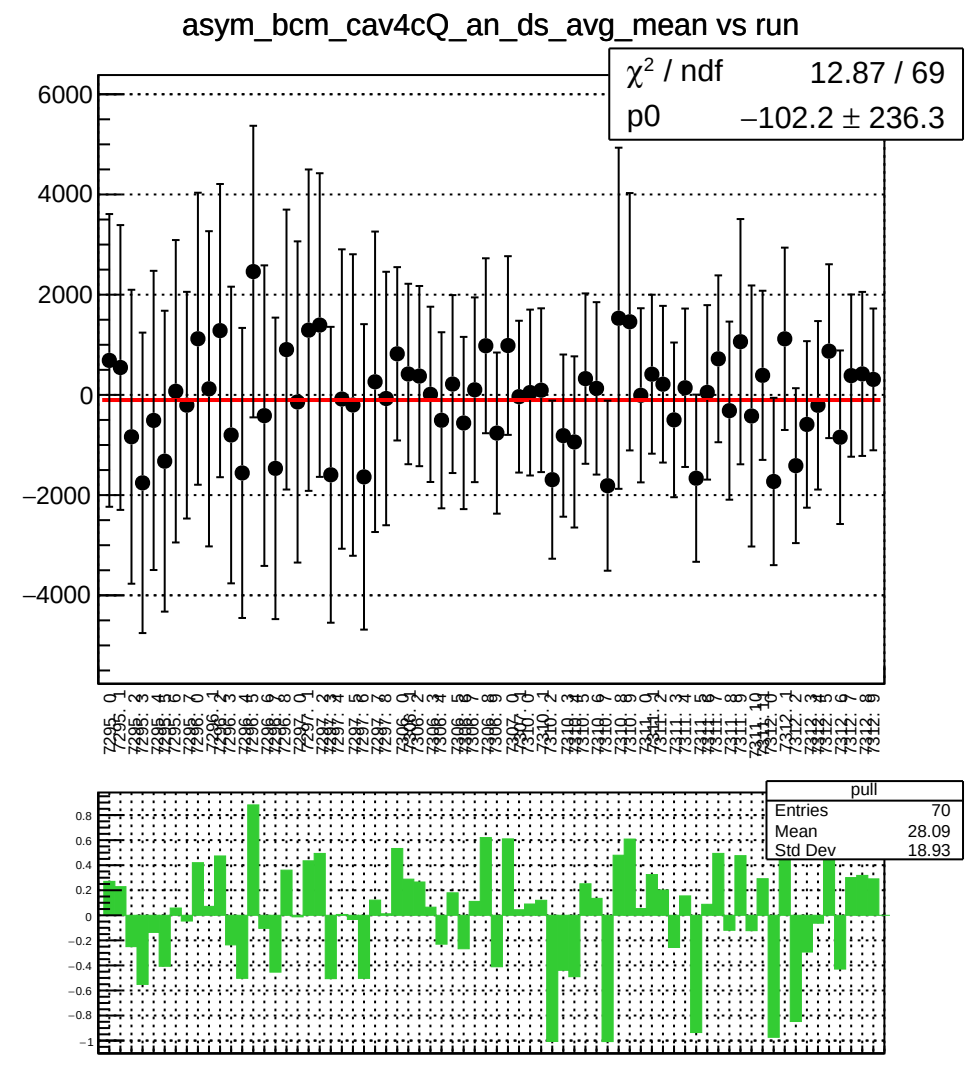

pull1D
Entries 70
Mean 0.01401
Std Dev 0.4392

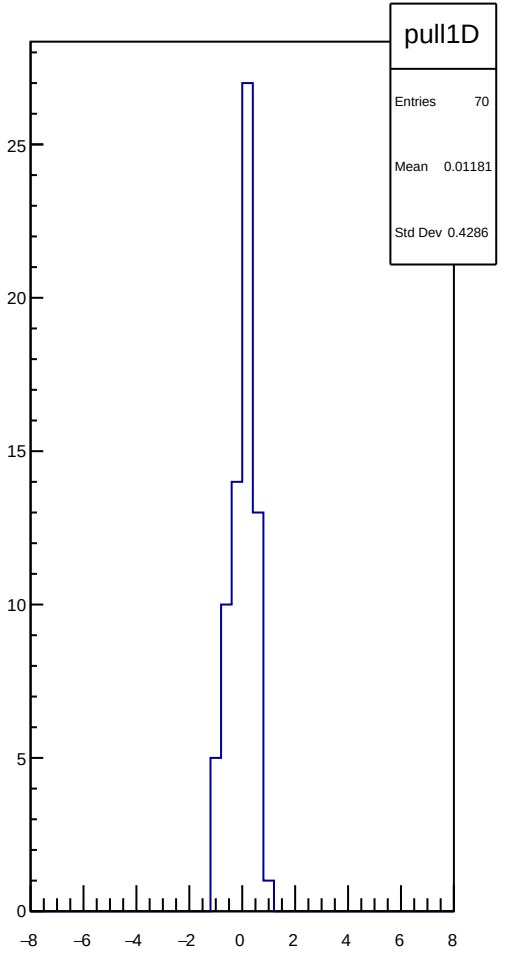

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 8.818e+04 / 69
p0 190.6 ± 0.1718
350
300
250
200
150

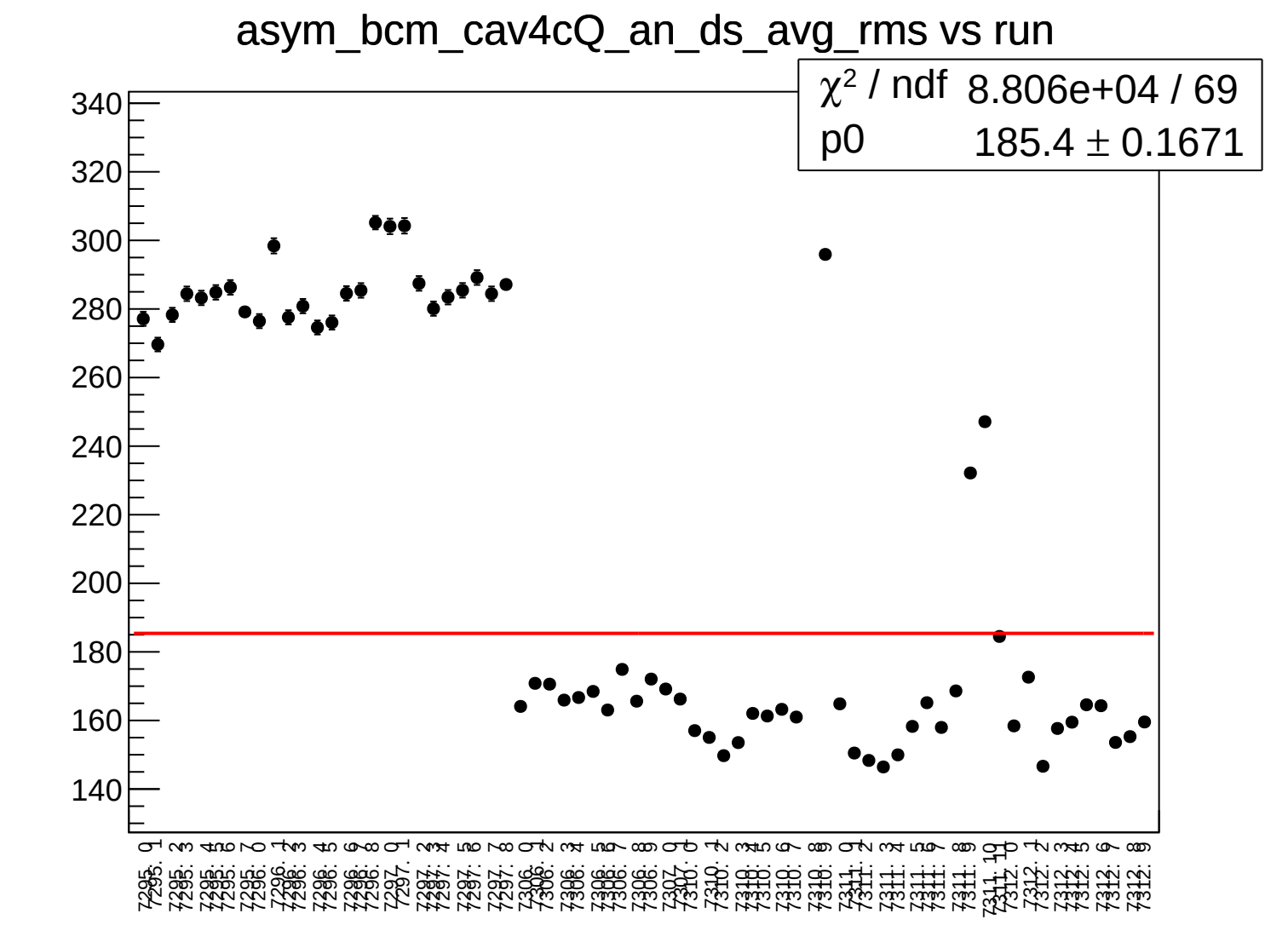

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 66.89 / 69
p0 28.87 ± 32.37
1000
500
0
−500
−1000
pull
Entries 70
Mean −187.8
Std Dev 0
3
2
1
0
−1
−2

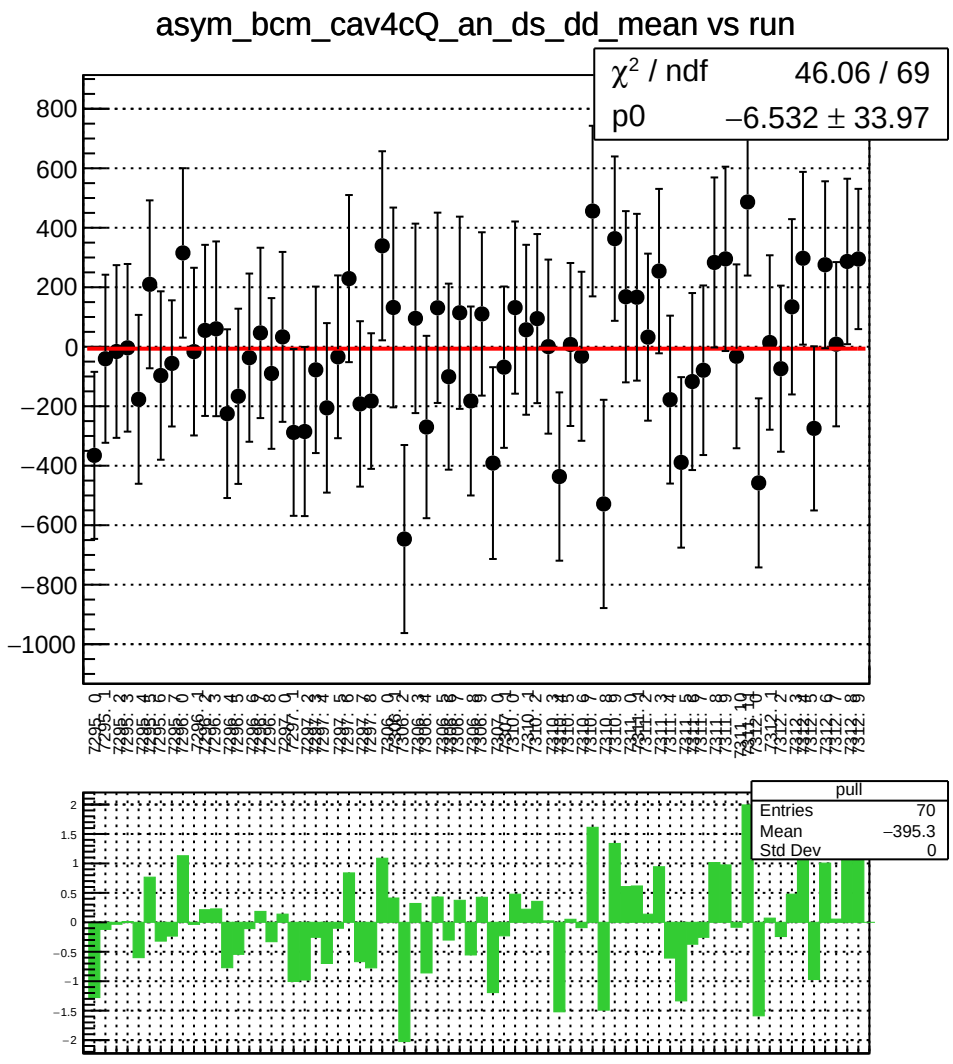

pull1D
Entries 70
Mean 0.008826
Std Dev 0.9775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

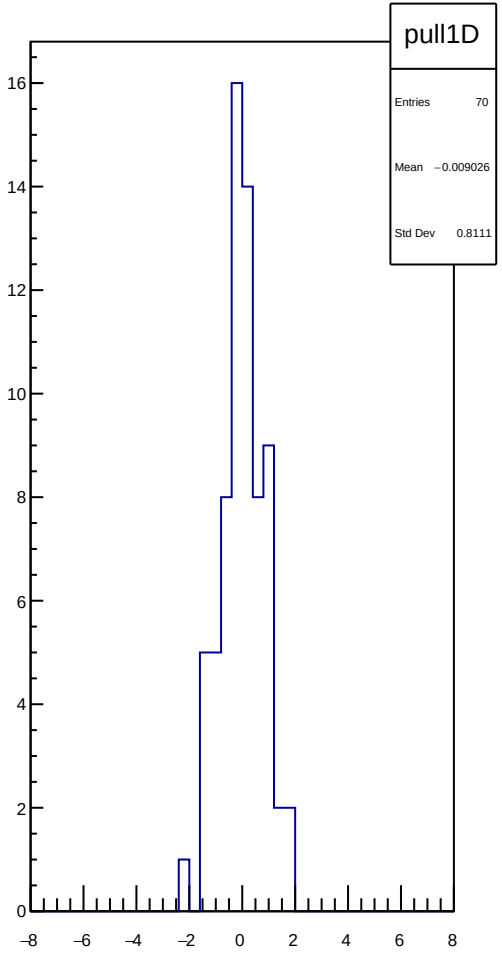

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1227 / 69
p0 26.27 ± 0.02289
28
27
26
25
24

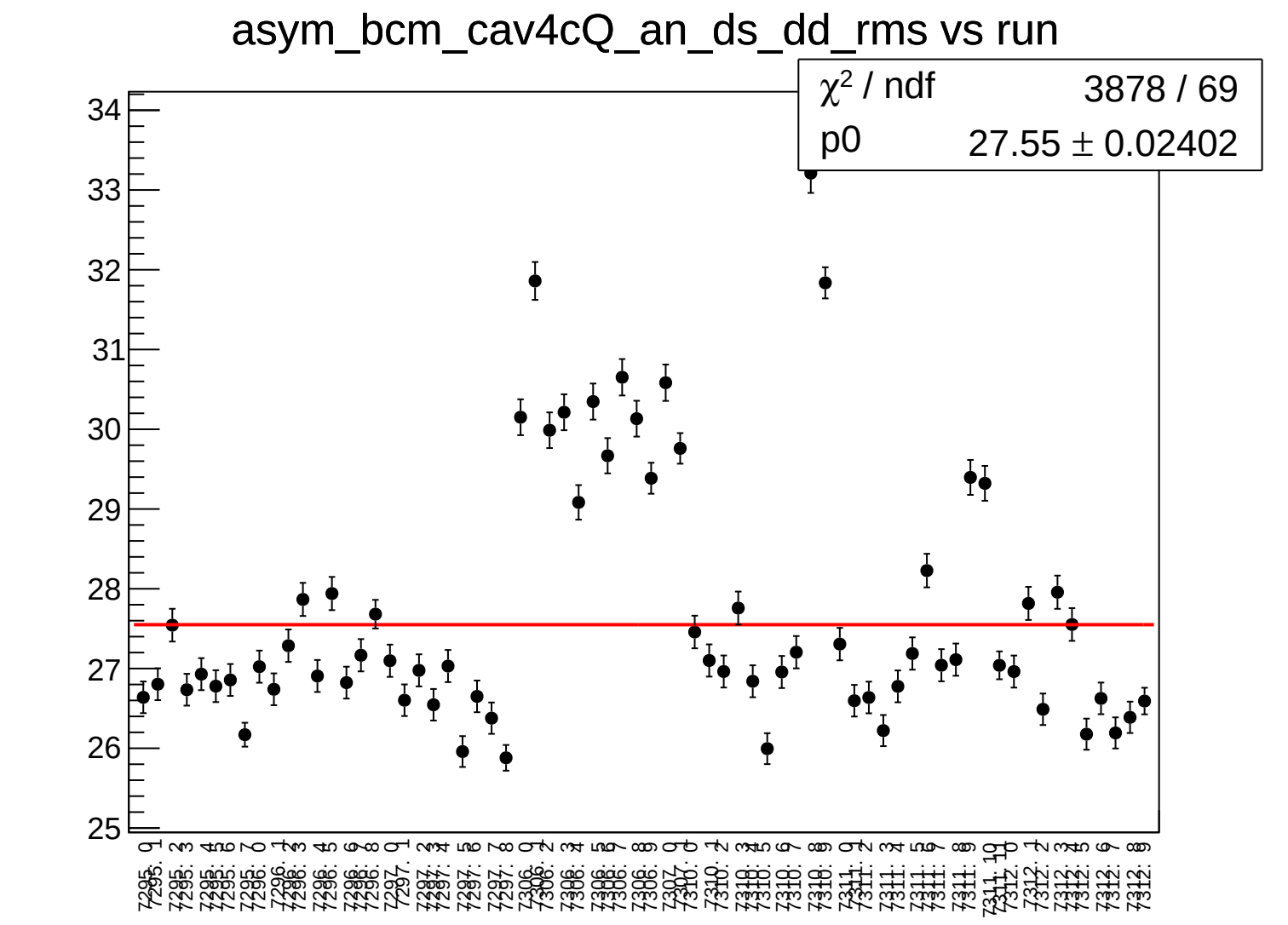

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 12.87 / 69
p0 −102.2 ± 236.3
6000
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 28.09
Std Dev 18.93
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

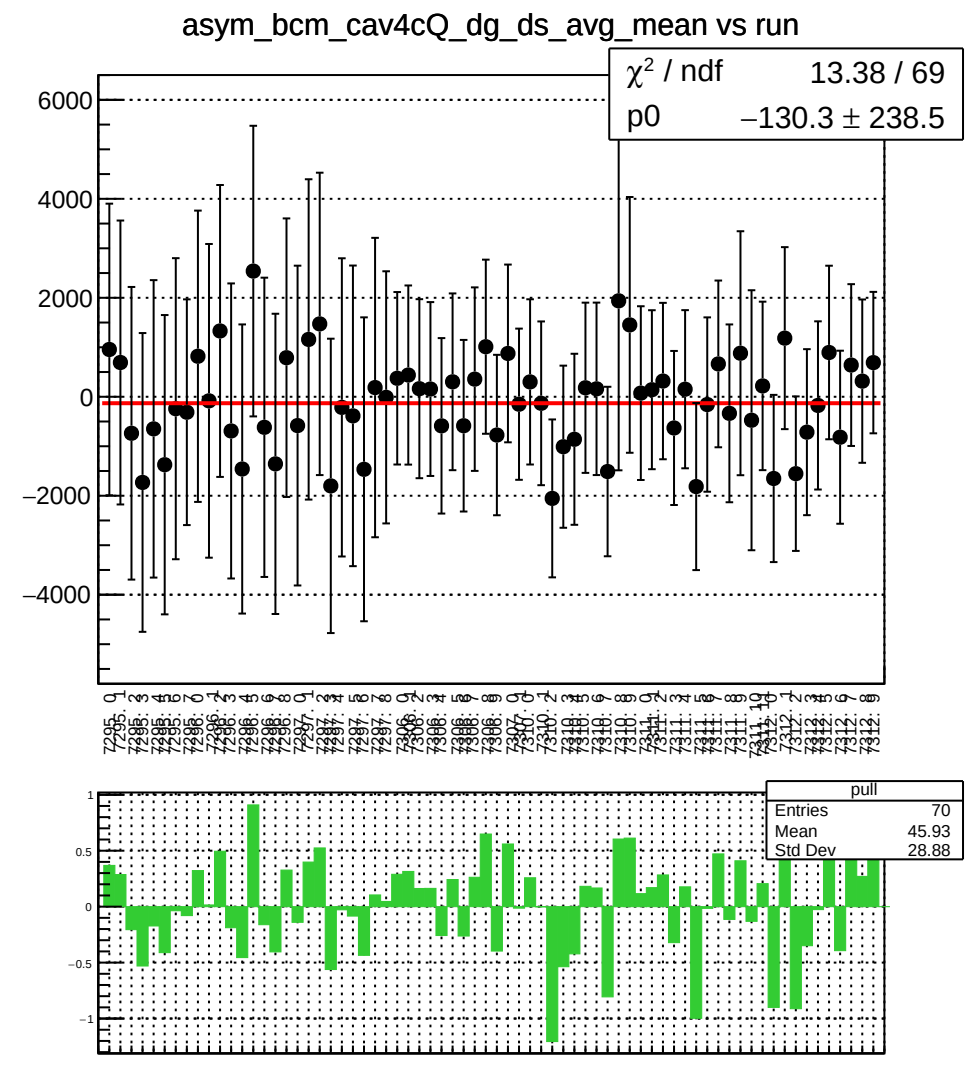

pull1D
Entries 70
Mean 0.01181
Std Dev 0.4286
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

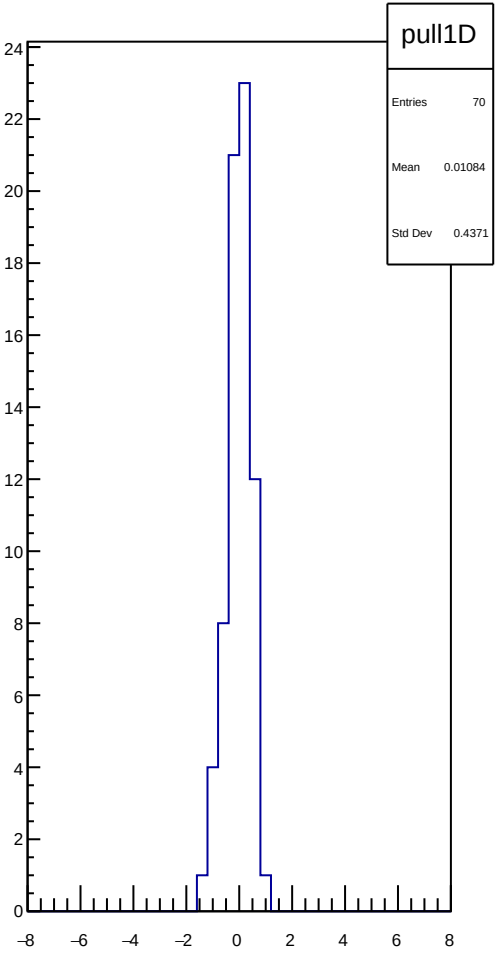

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 8.806e+04 / 69
p0 185.4 ± 0.1671
340
320
300
280
260
240
220
200
180
160
140

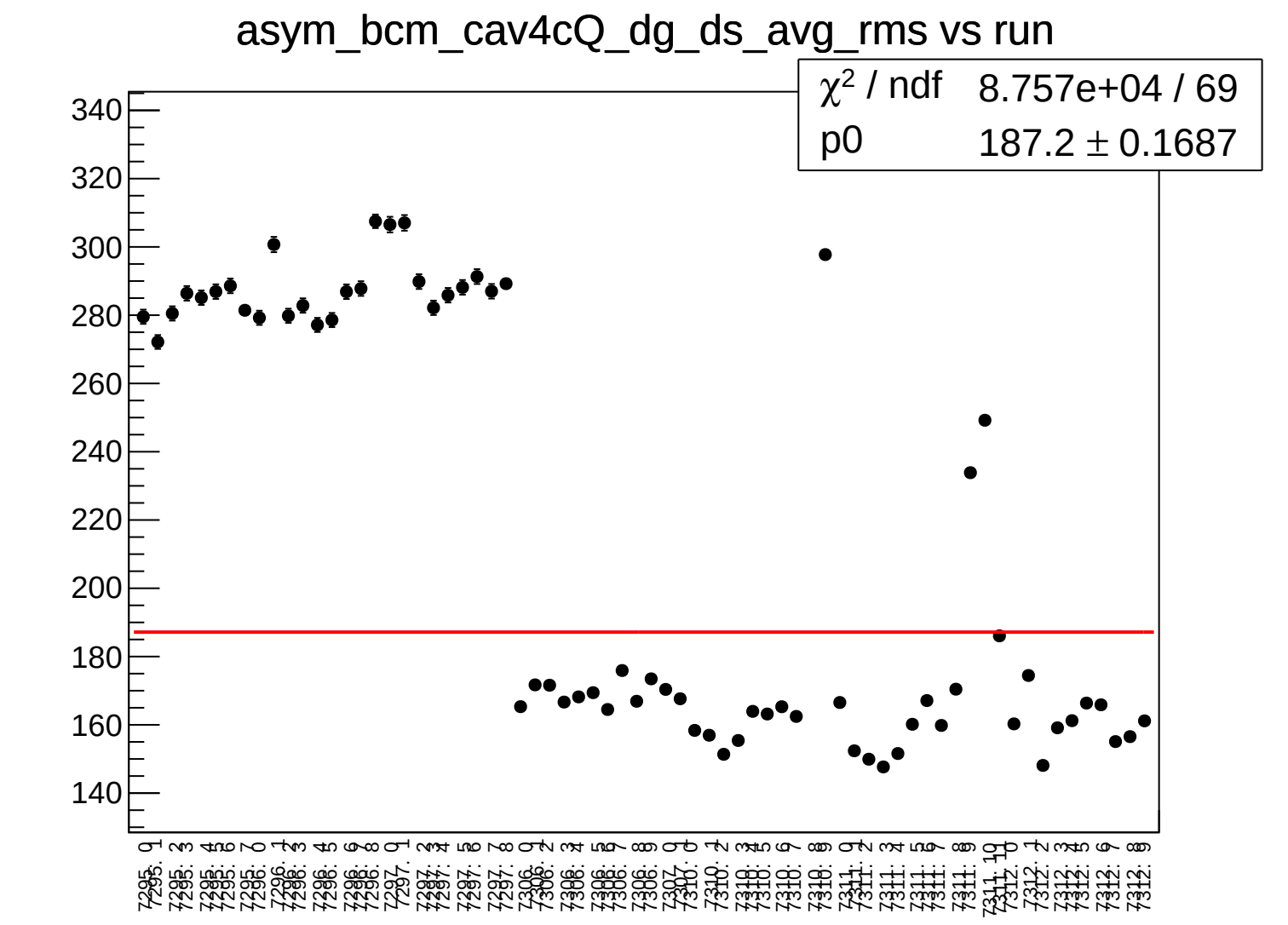

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 46.06 / 69
p0 −6.532 ± 33.97
pull
Entries 70
Mean −395.3
Std Dev 0

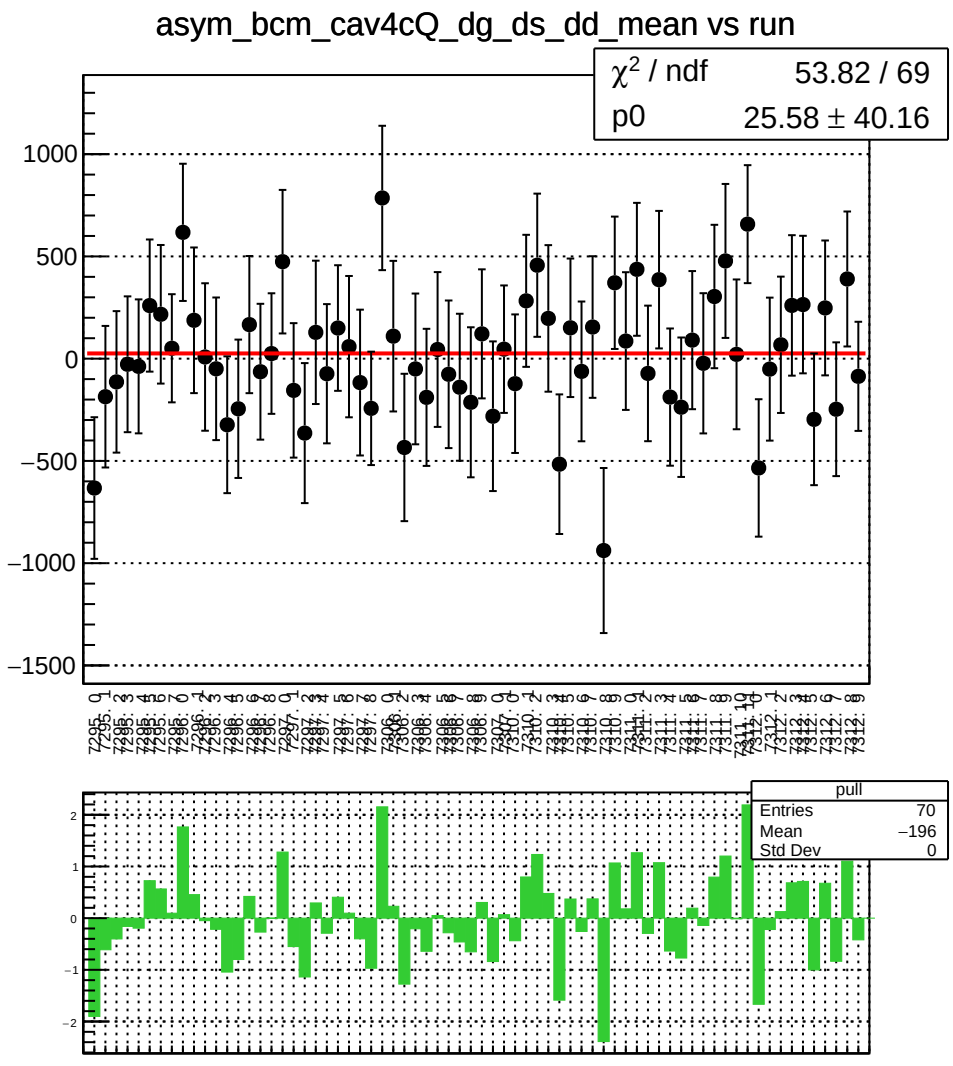

pull1D
Entries 70
Mean −0.009026
Std Dev 0.8111

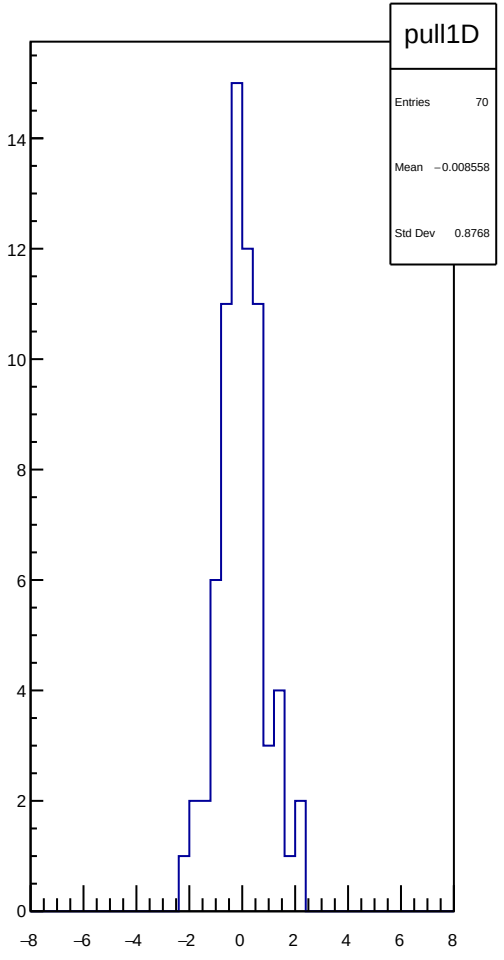

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 3878 / 69
p0 27.55 ± 0.02402
34
33
32
31
30
29
28
27
26
25

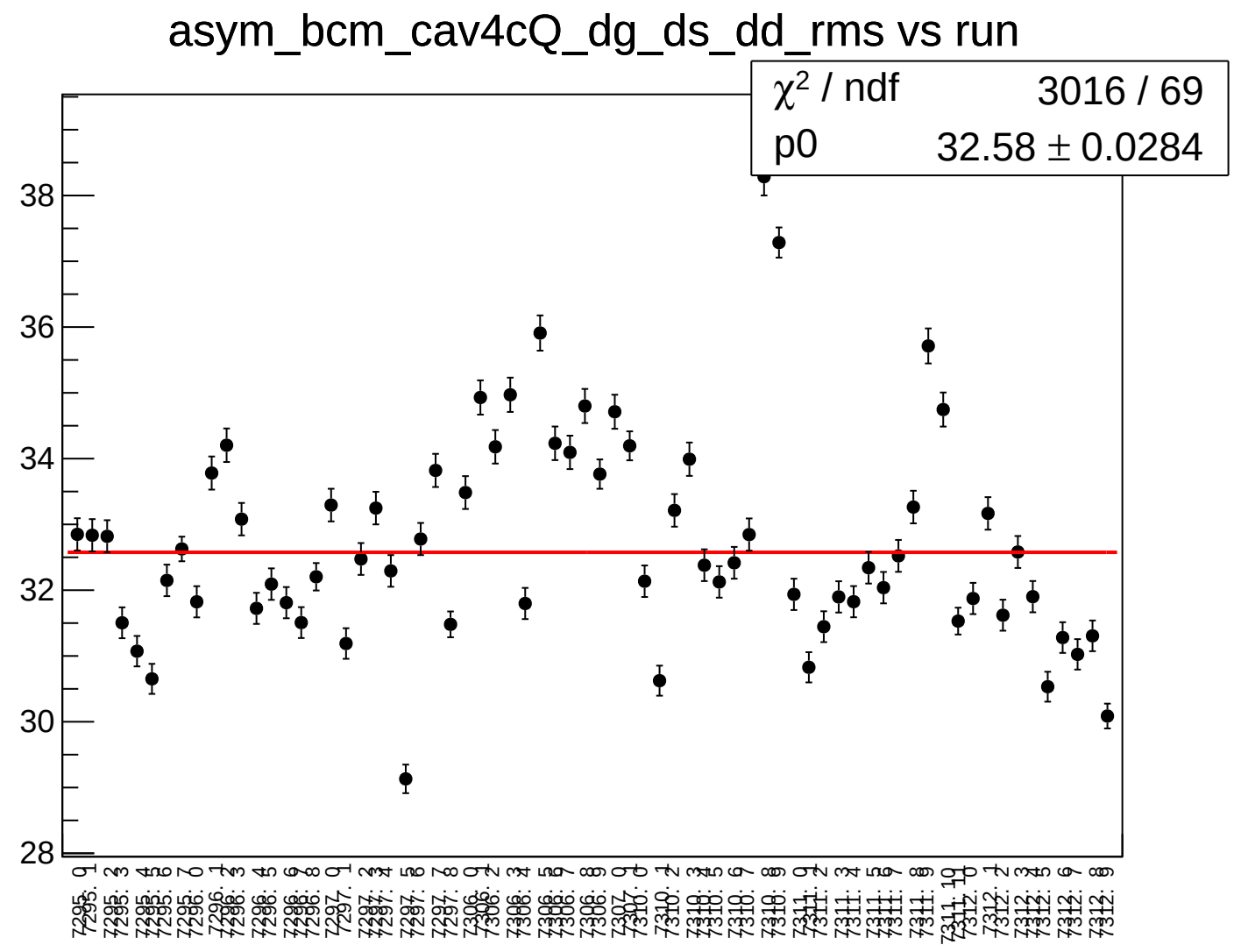

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 13.38 / 69
p0 −130.3 ± 238.5
pull
Entries 70
Mean 45.93
Std Dev 28.88

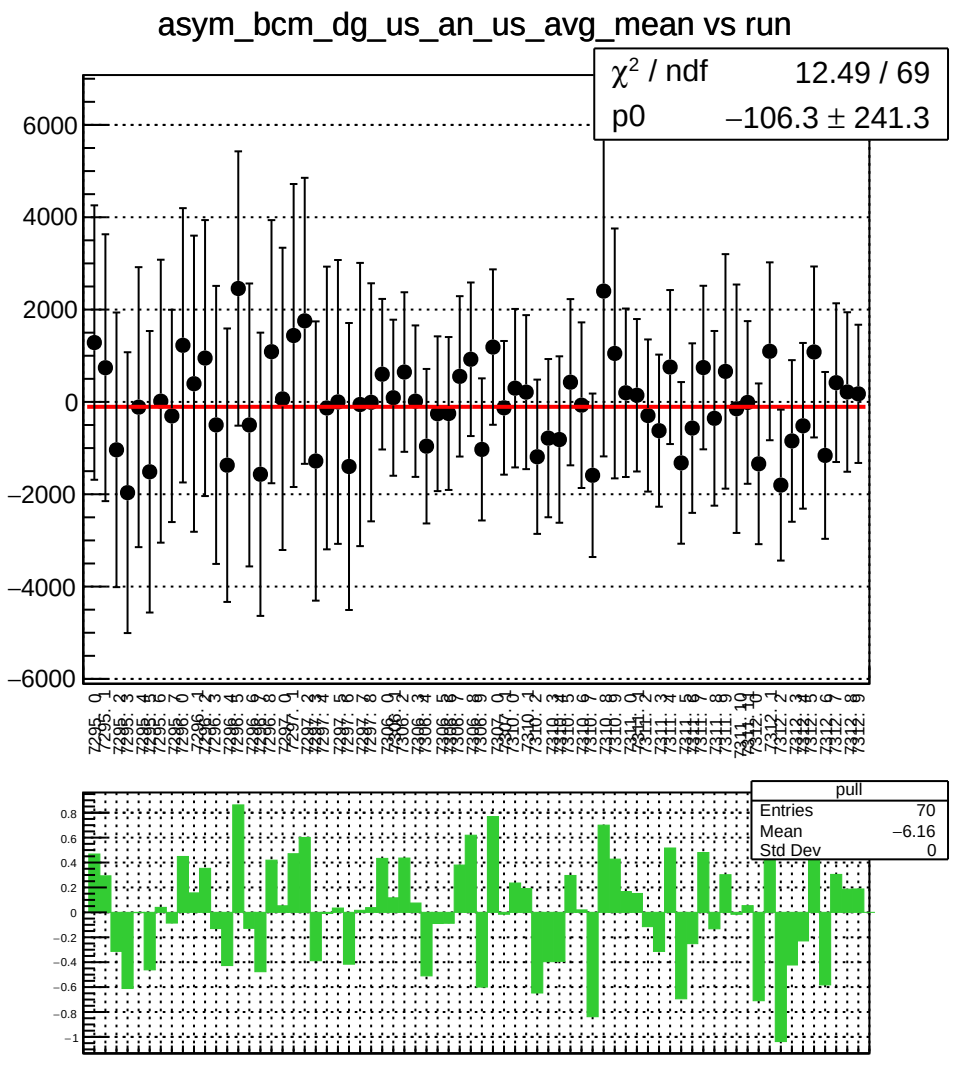

pull1D
Entries 70
Mean 0.01084
Std Dev 0.4371

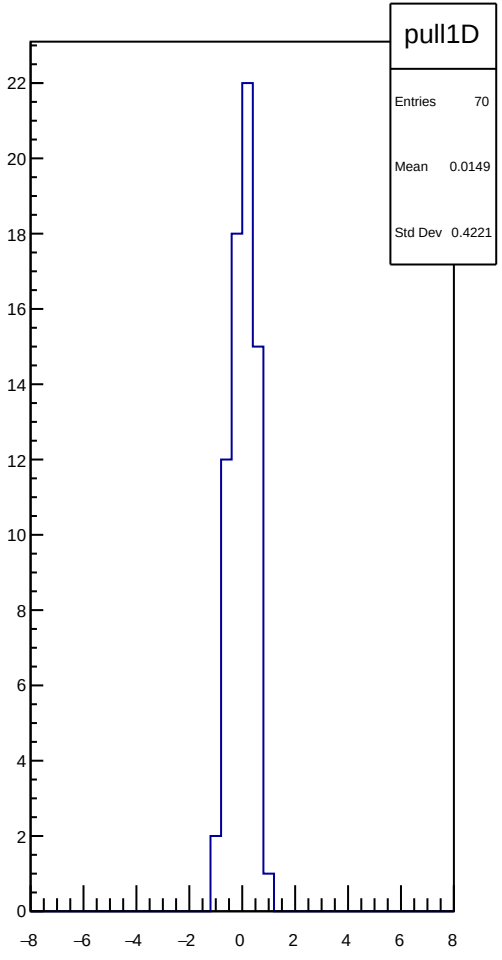

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 8.757e+04 / 69
p0 187.2 ± 0.1687
340
320
300
280
260
240
220
200
180
160
140

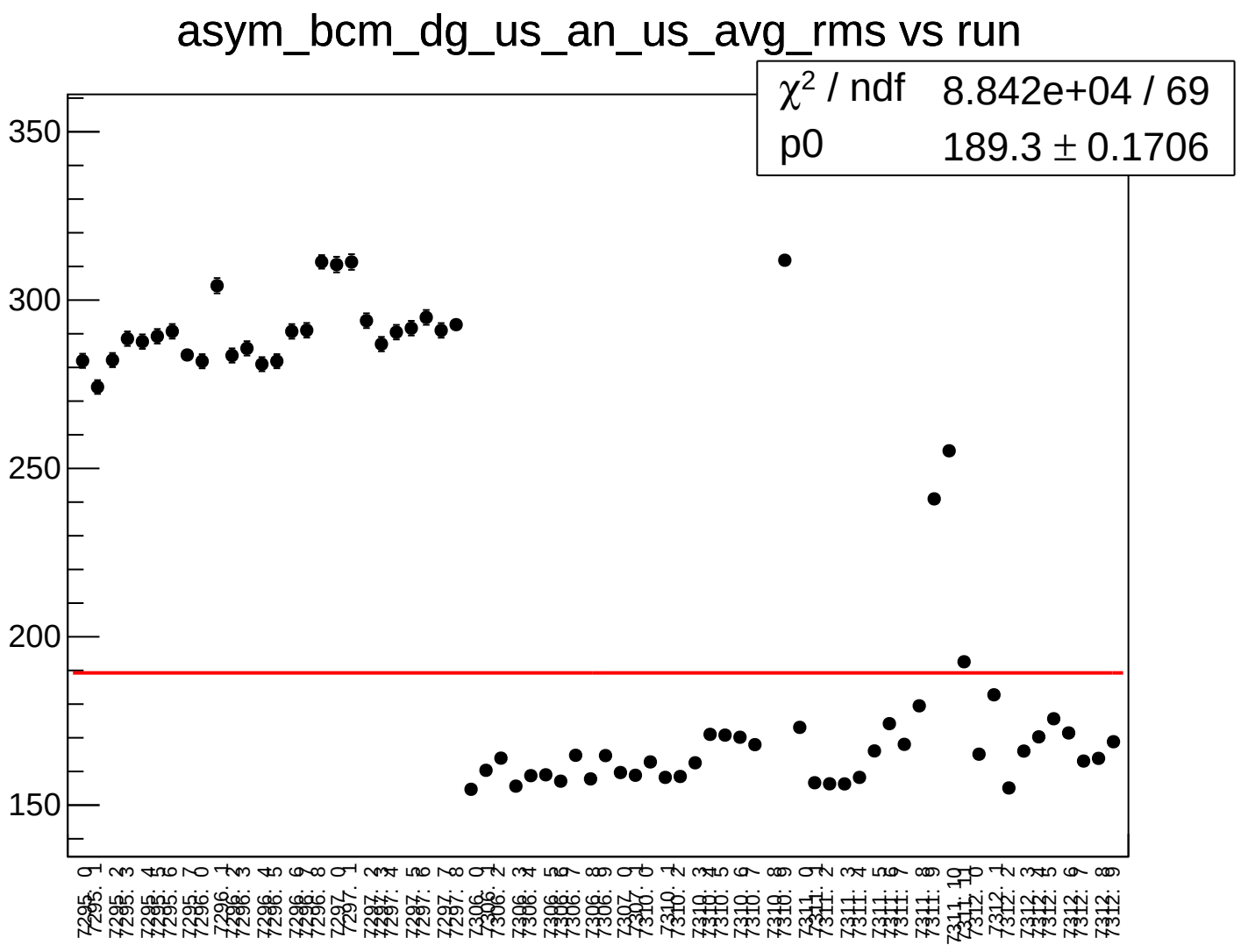

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 53.82 / 69
p0 25.58 ± 40.16
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean −196
Std Dev 0
2
1
0
−1
−2

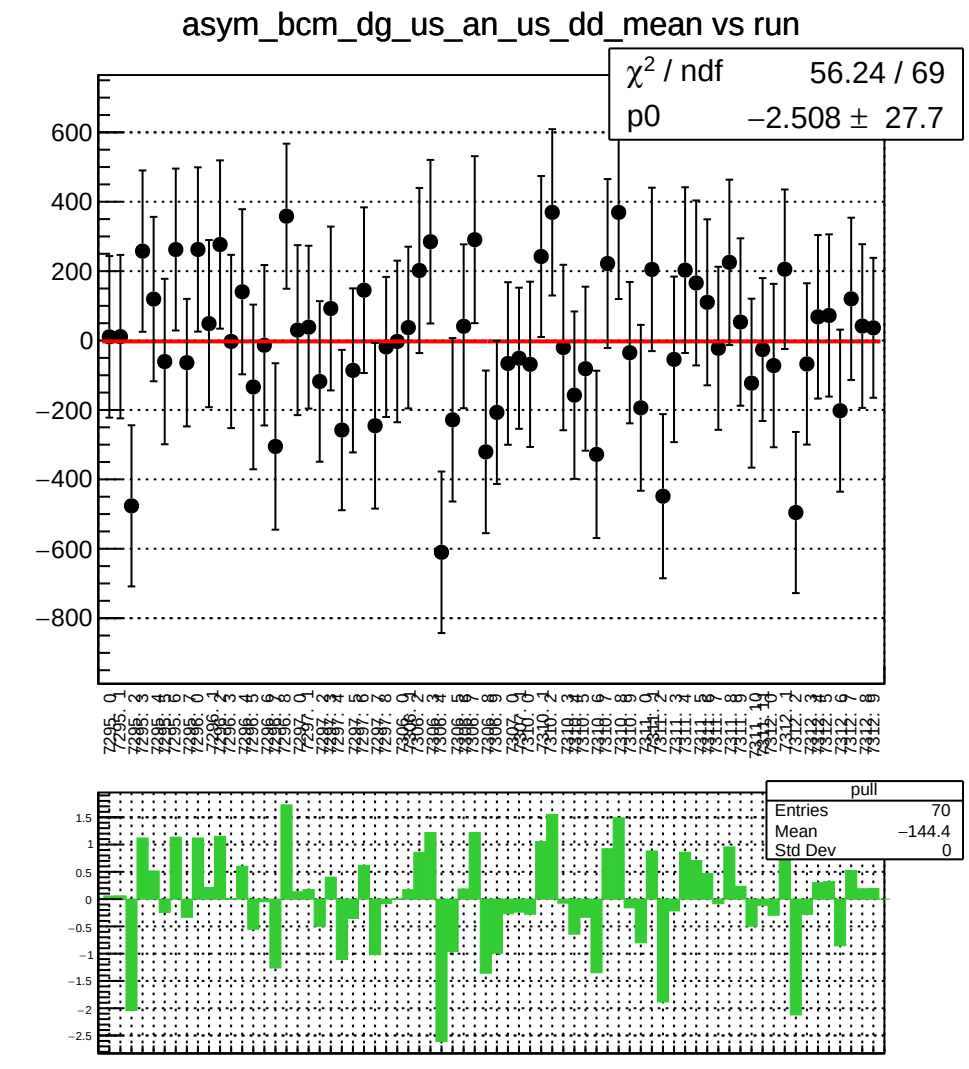

pull1D
Entries 70
Mean −0.008558
Std Dev 0.8768
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

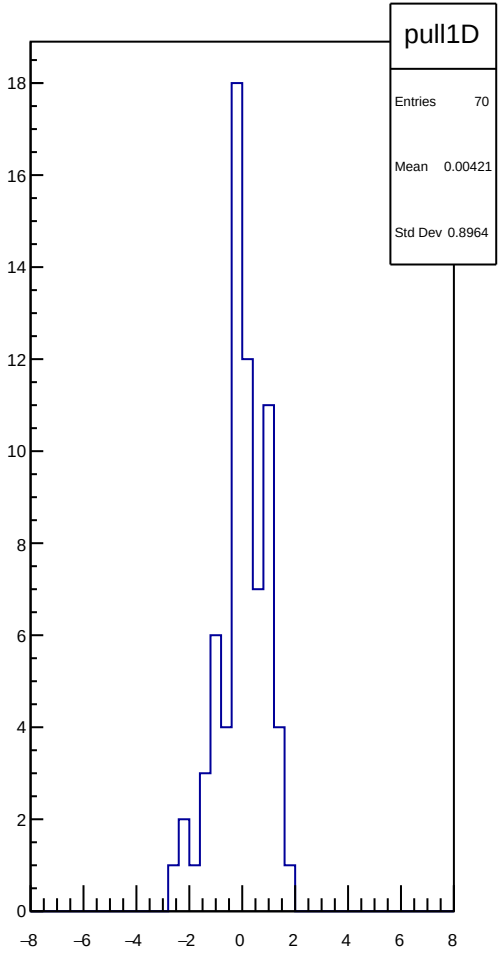

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 3016 / 69
p0 32.58 ± 0.0284
38
36
34
32
30
28

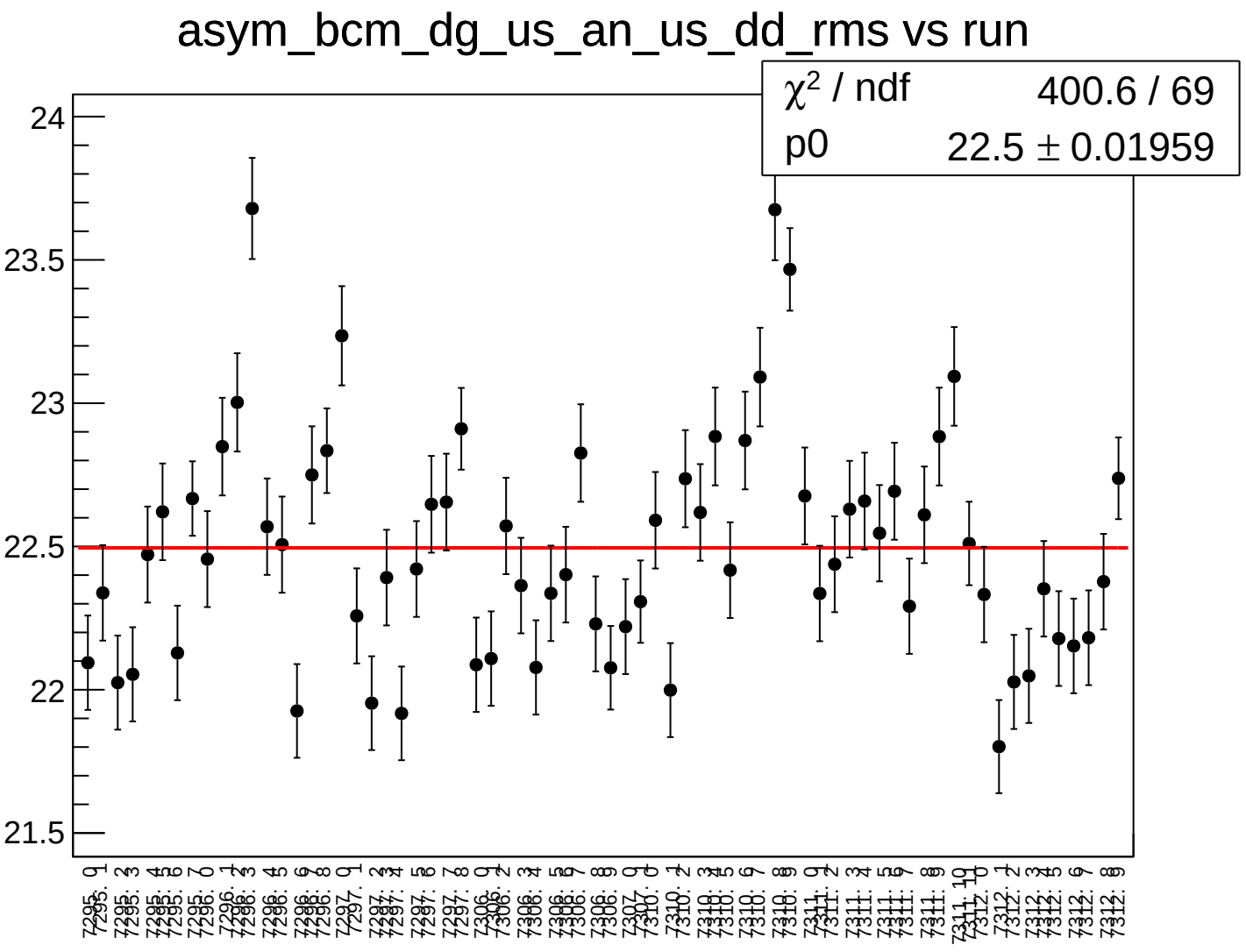

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 12.49 / 69
p0 −106.3 ± 241.3
pull
Entries 70
Mean −6.16
Std Dev 0

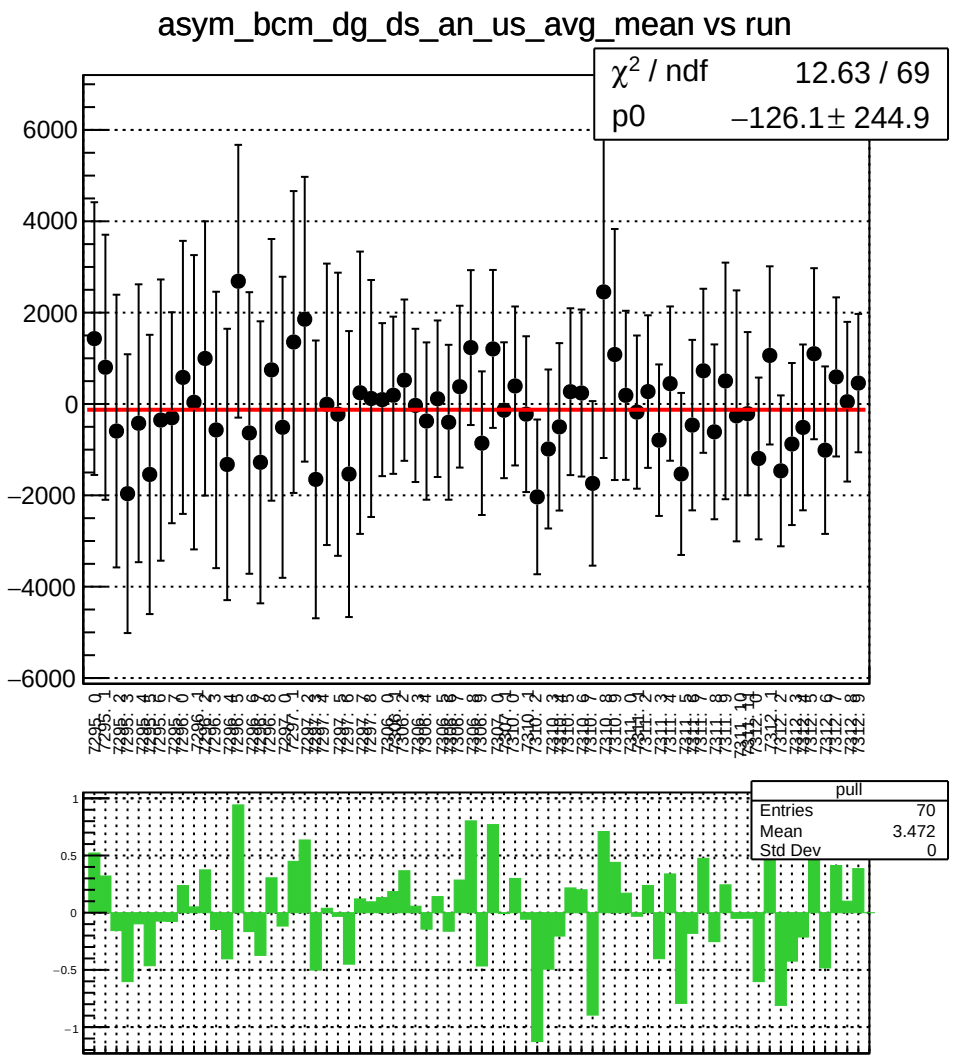

pull1D
Entries 70
Mean 0.0149
Std Dev 0.4221

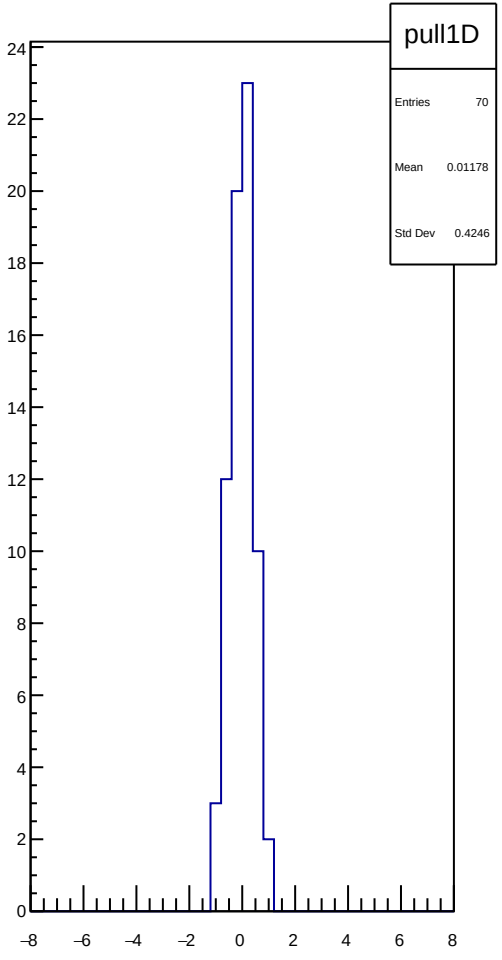

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 8.842e+04 / 69
p0 189.3 ± 0.1706
350
300
250
200
150

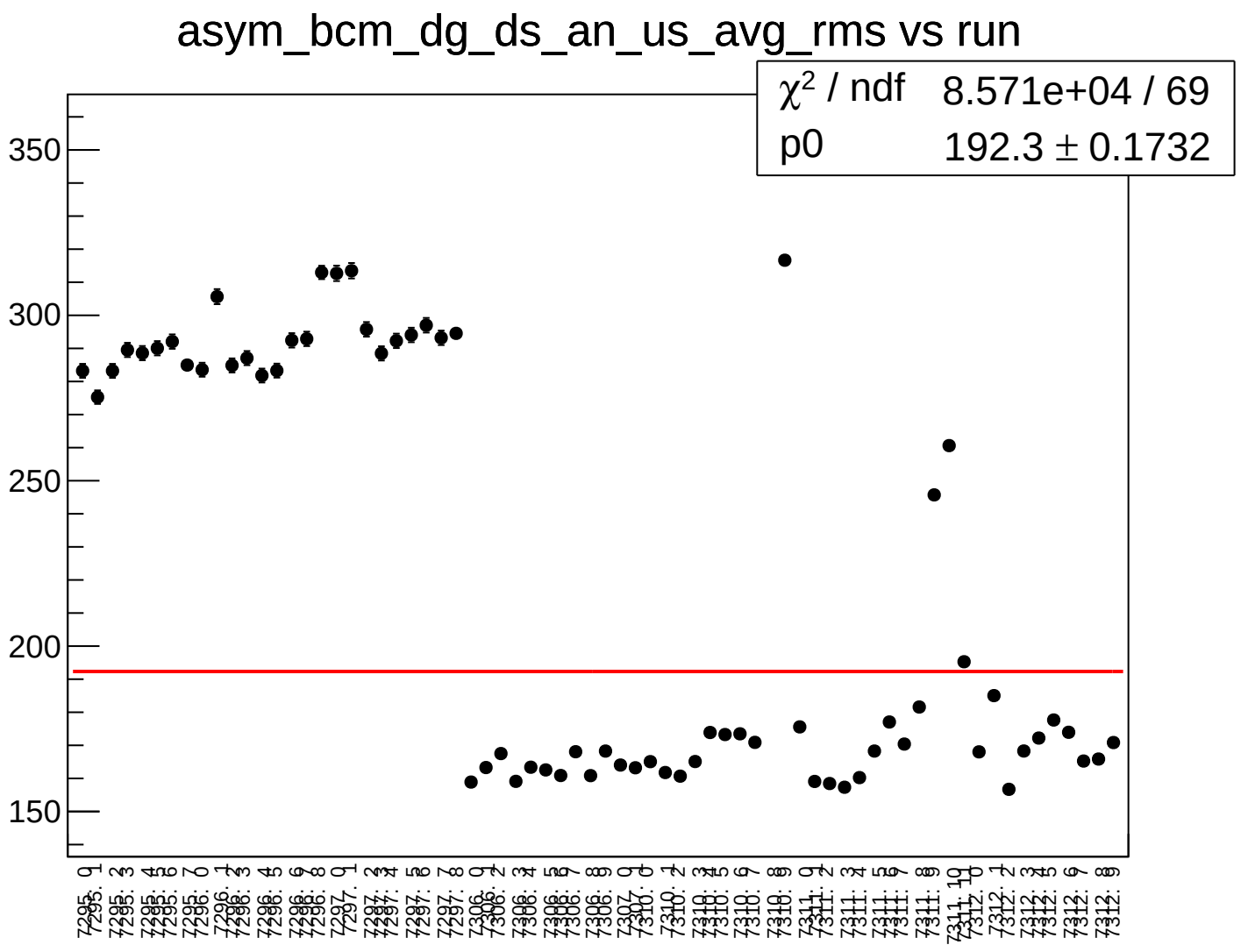

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 56.24 / 69
p0 −2.508 ± 27.7
pull
Entries 70
Mean −144.4
Std Dev 0

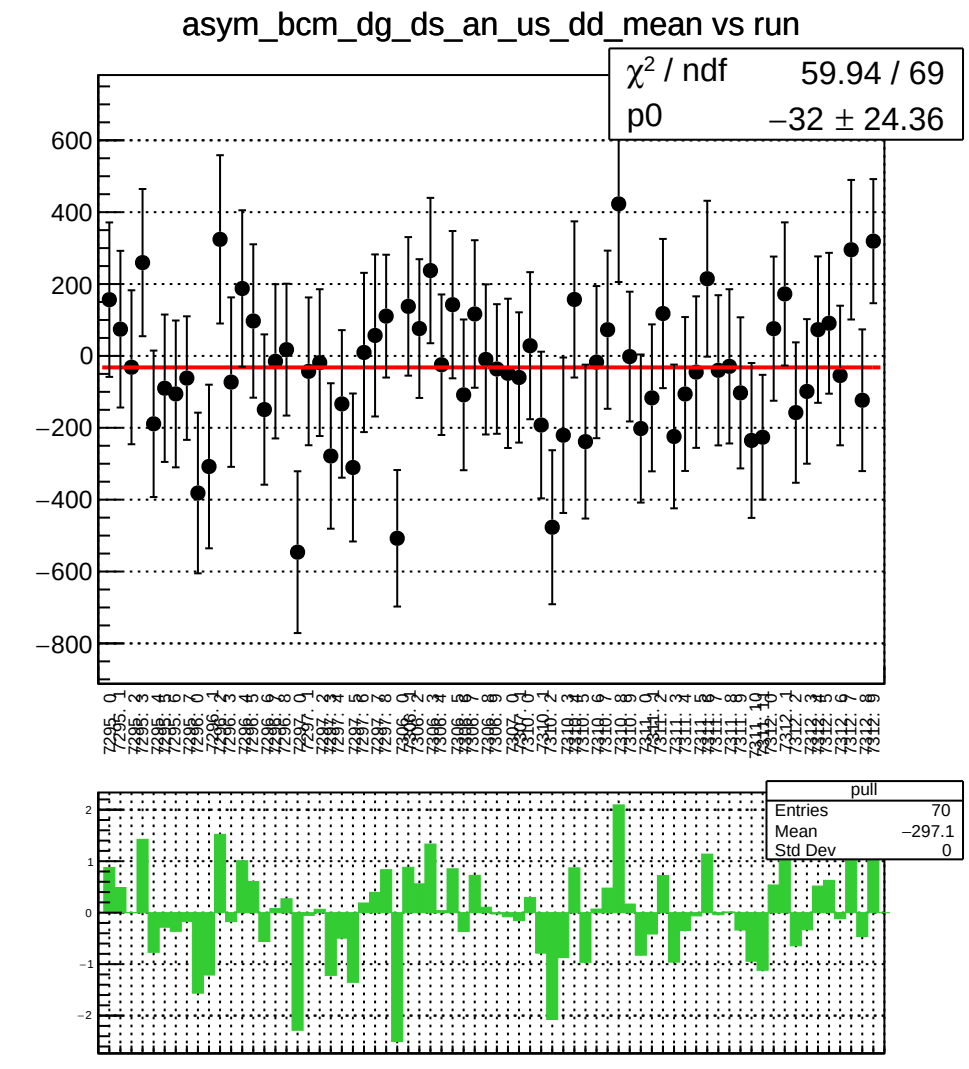

pull1D
Entries 70
Mean 0.00421
Std Dev 0.8964

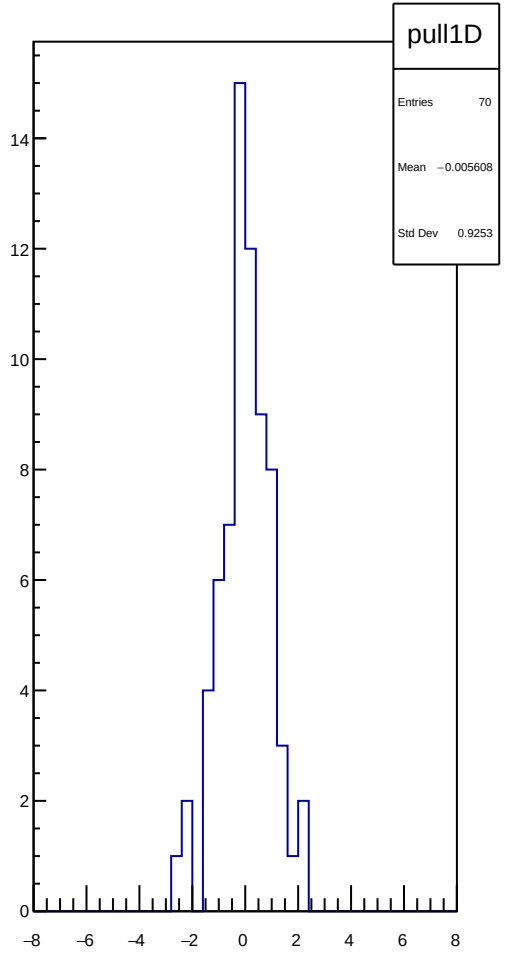

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 400.6 / 69
p0 22.5 ± 0.01959
24
23.5
23
22.5
22
21.5

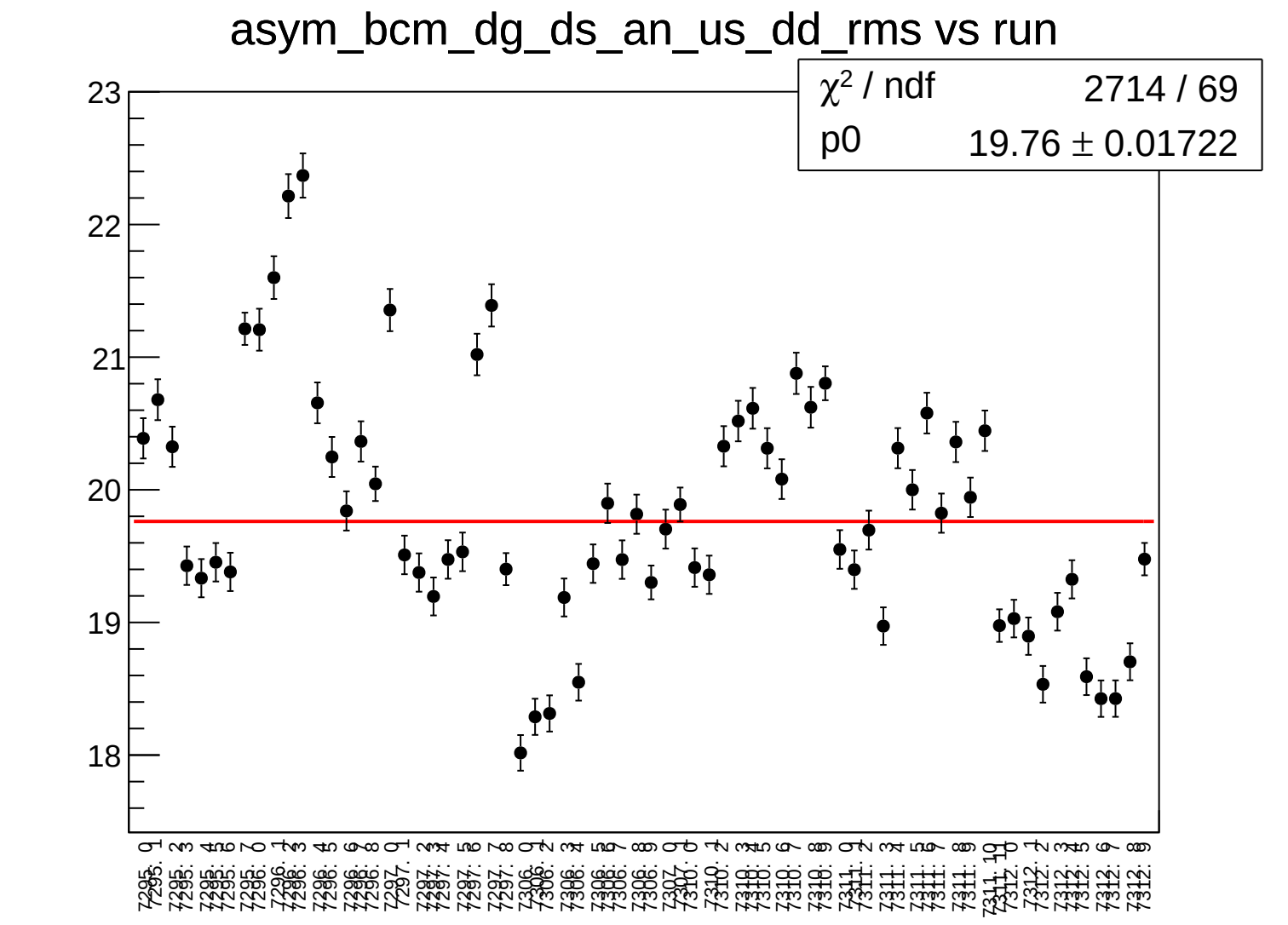

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 12.63 / 69
p0 −126.1± 244.9
pull
Entries 70
Mean 3.472
Std Dev 0

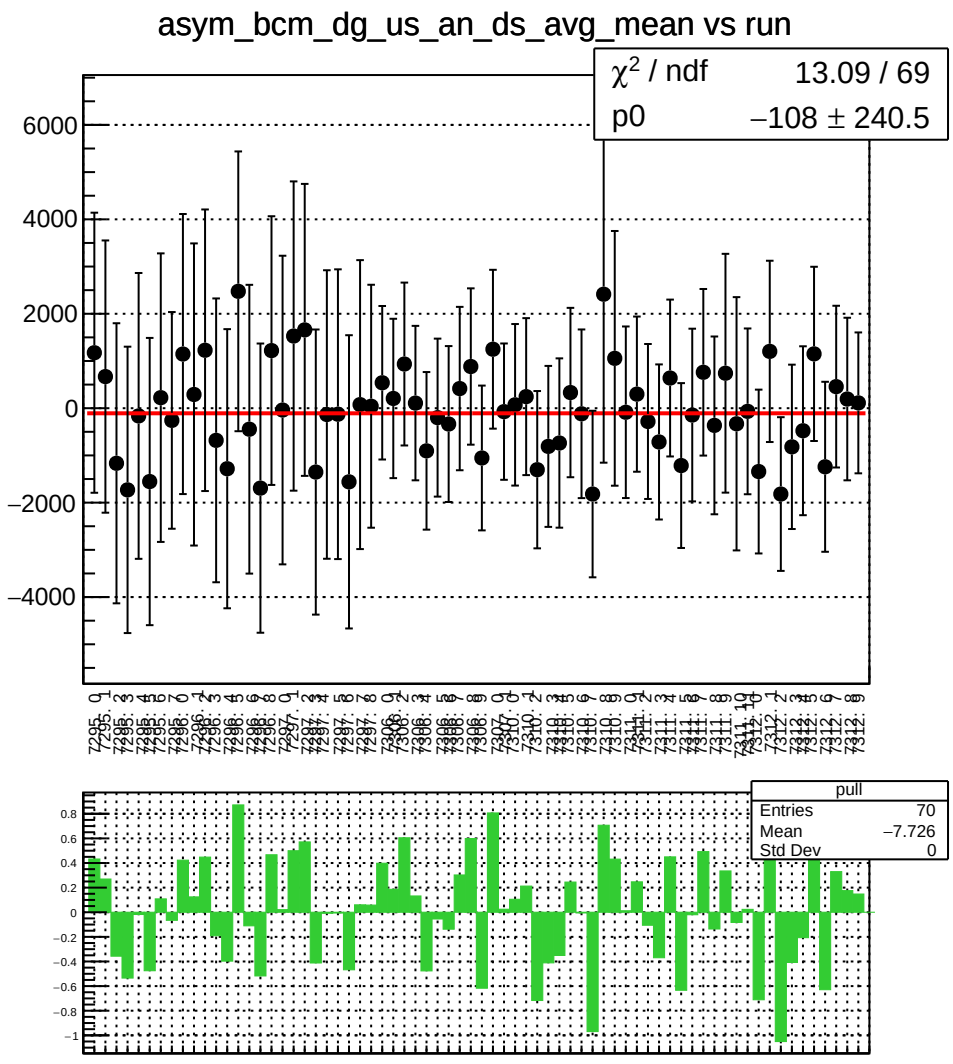

pull1D
Entries 70
Mean 0.01178
Std Dev 0.4246

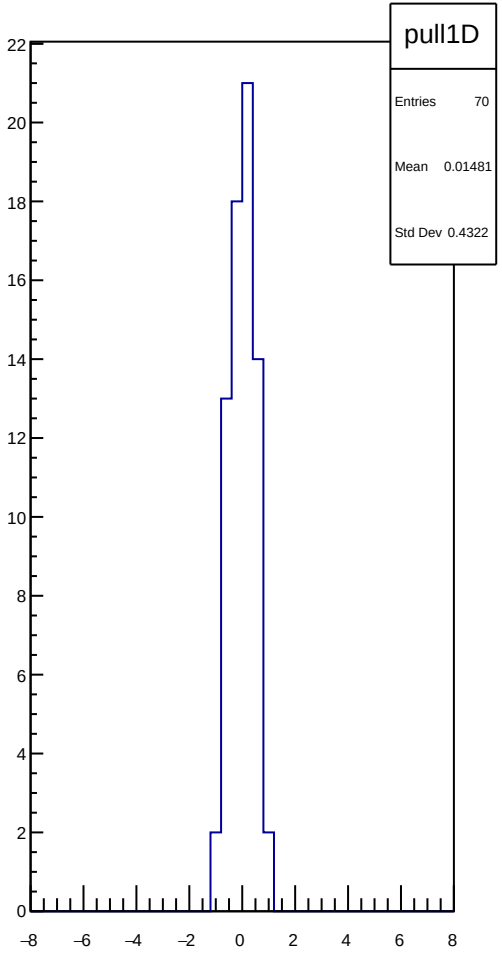

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 8.571e+04 / 69
p0 192.3 ± 0.1732
350
300
250
200
150

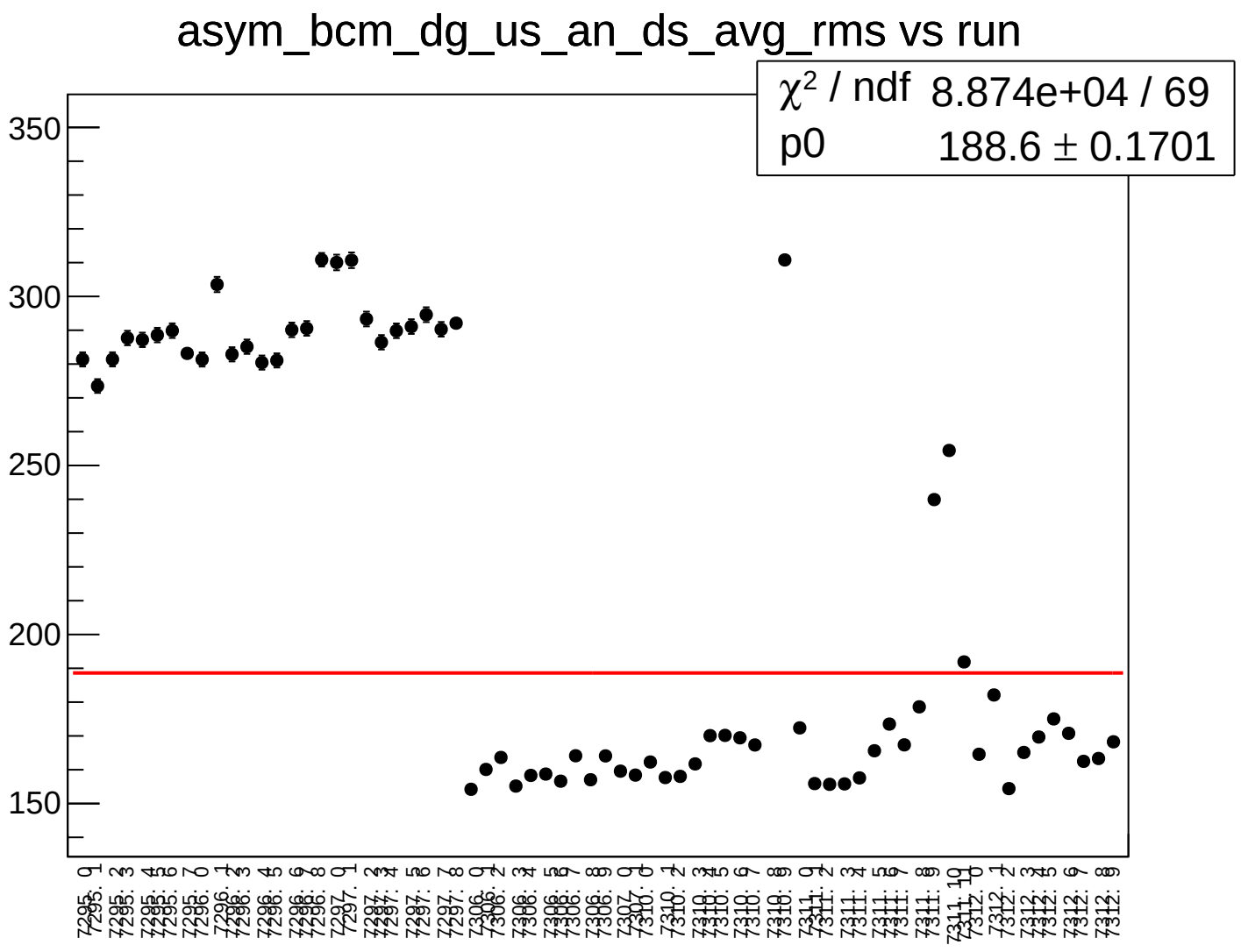

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 59.94 / 69
p0 −32 ± 24.36
pull
Entries 70
Mean −297.1
Std Dev 0

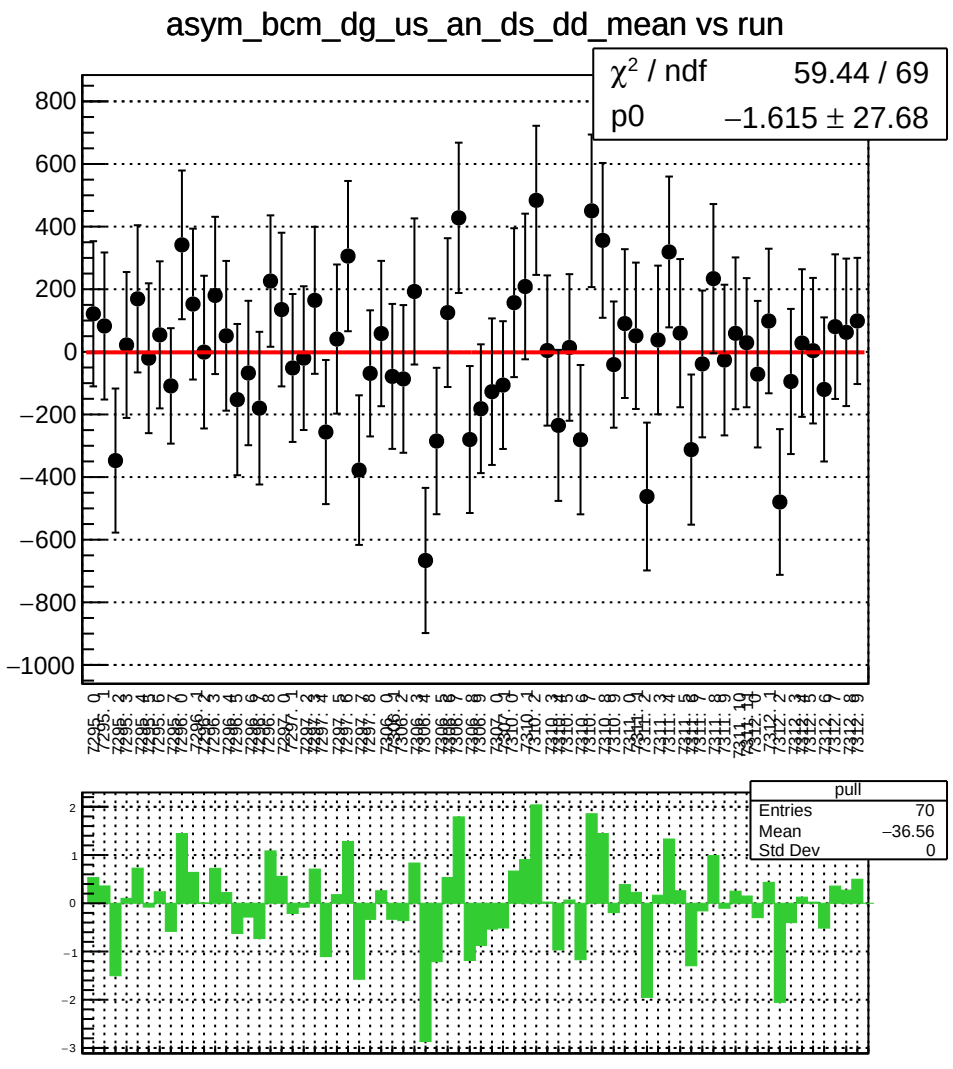

pull1D
Entries 70
Mean −0.005608
Std Dev 0.9253

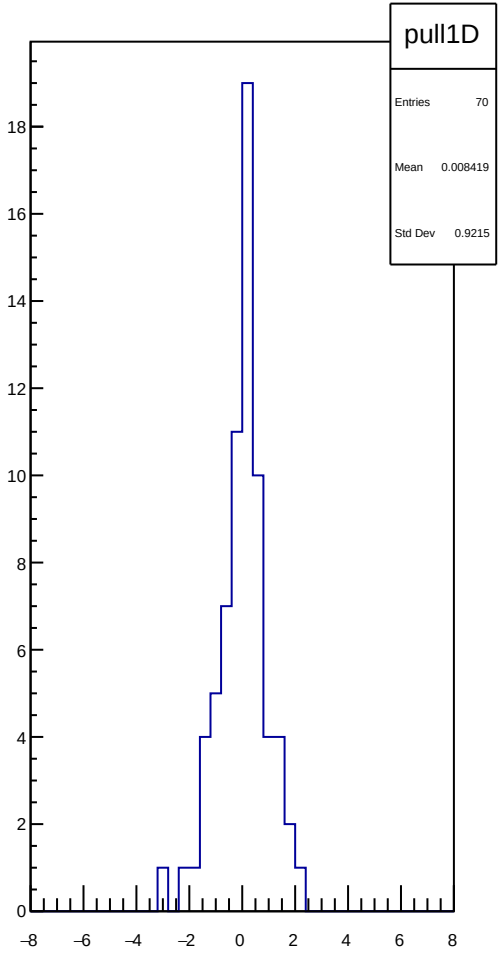

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 2714 / 69
p0 19.76 ± 0.01722
23
22
21
20
19
18

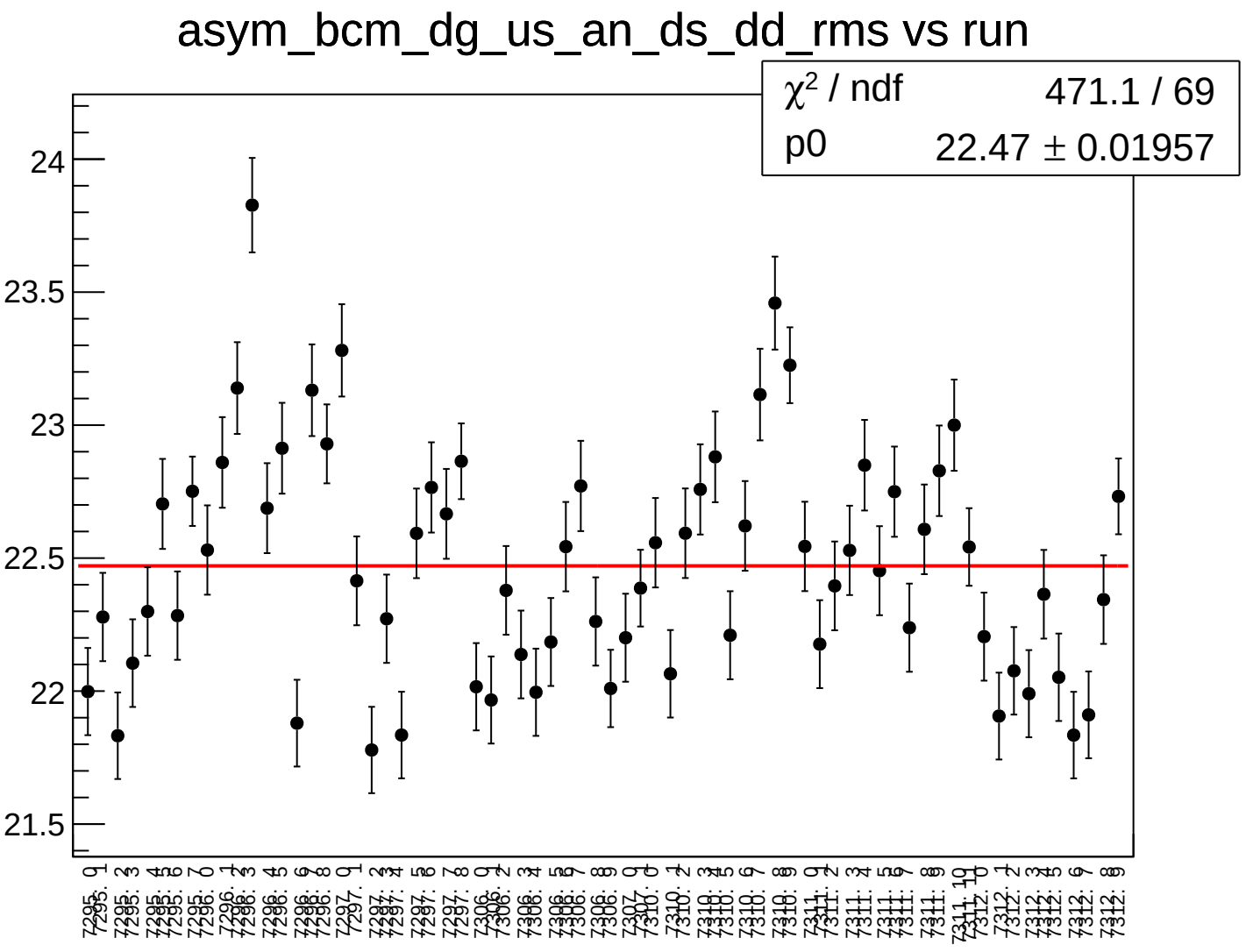

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 13.09 / 69
p0 −108 ± 240.5
pull
Entries 70
Mean −7.726
Std Dev 0

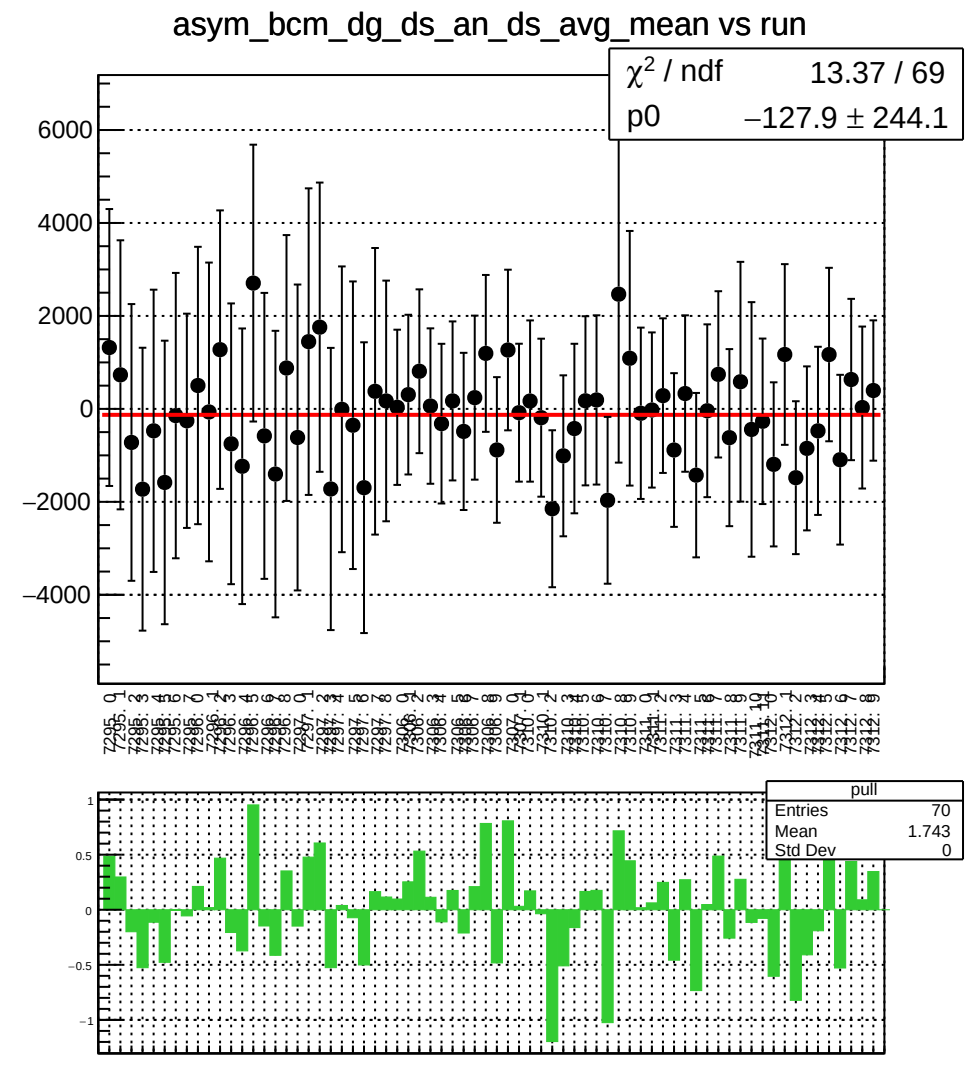

pull1D
Entries 70
Mean 0.01481
Std Dev 0.4322

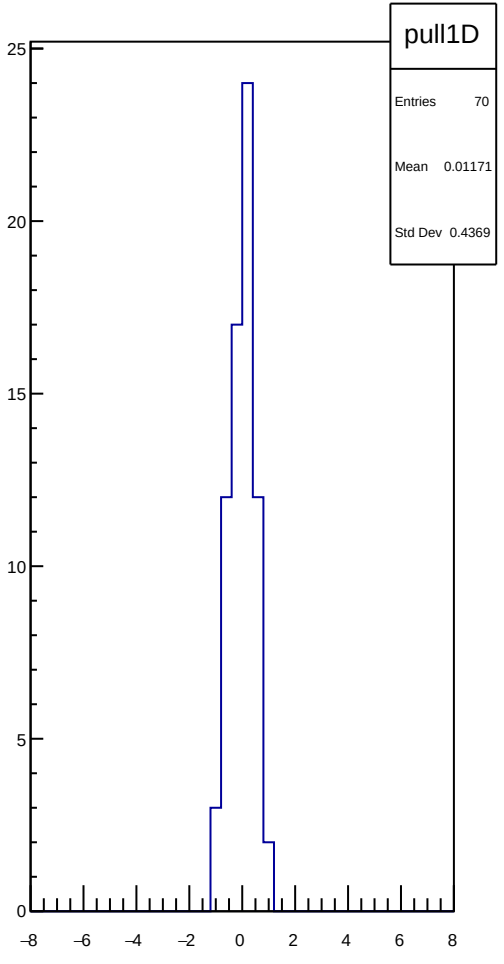

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 8.874e+04 / 69
p0 188.6 ± 0.1701
350
300
250
200
150

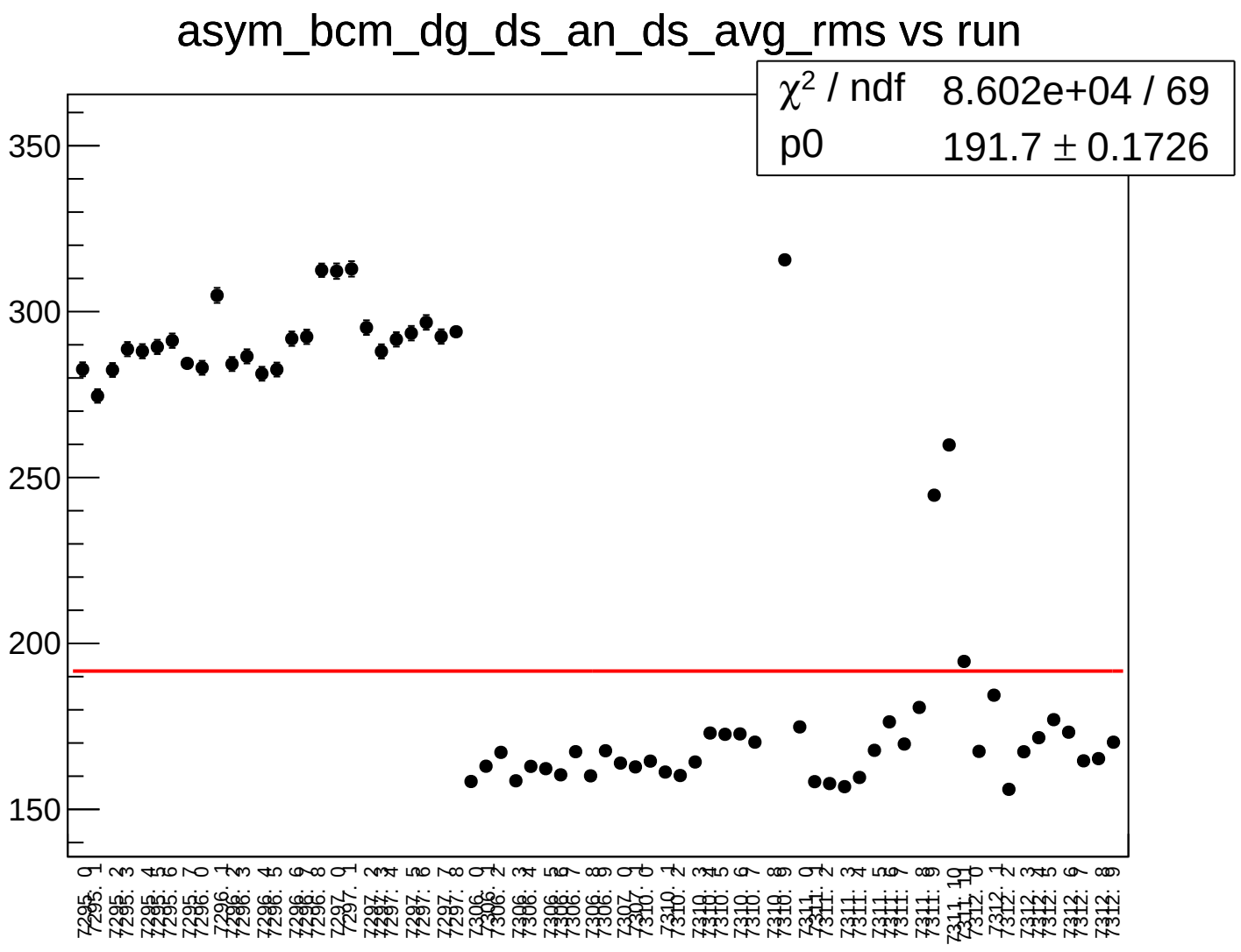

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 59.44 / 69
p0 −1.615 ± 27.68
pull
Entries 70
Mean −36.56
Std Dev 0

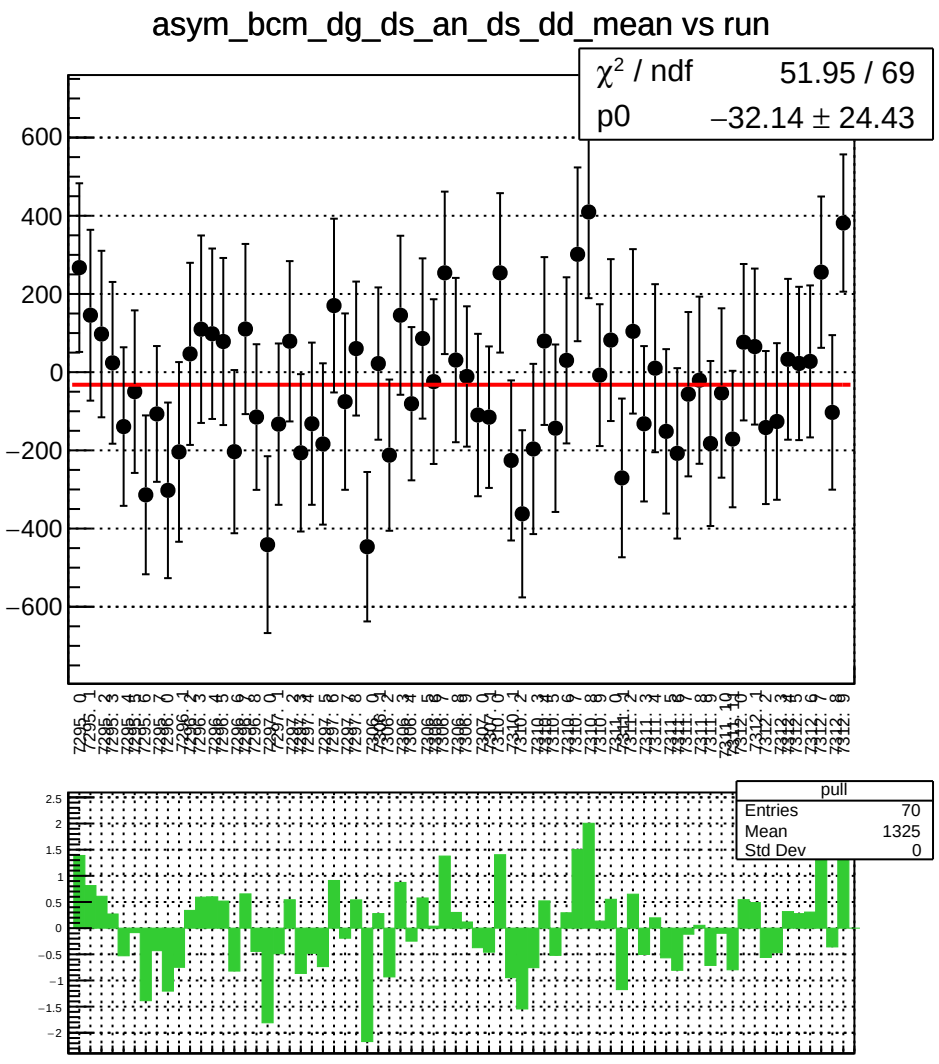

pull1D
Entries 70
Mean 0.008419
Std Dev 0.9215

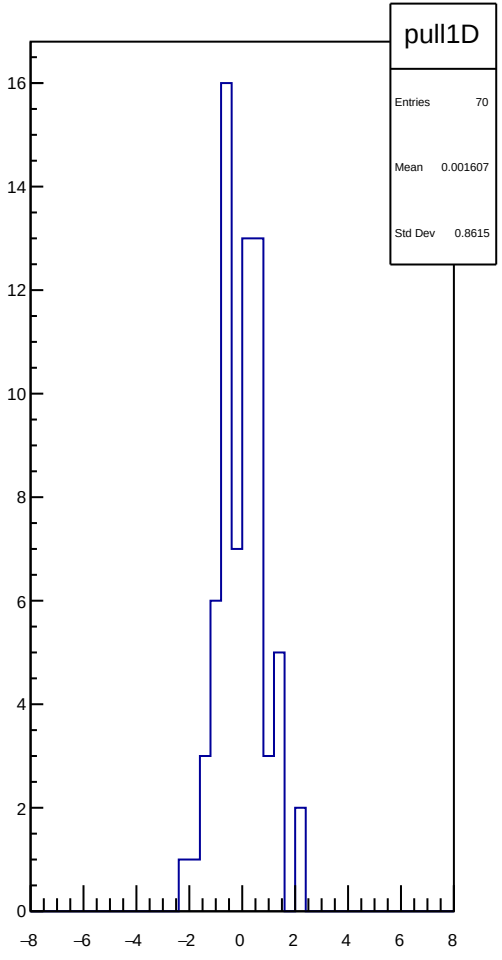

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 471.1 / 69
p0 22.47 ± 0.01957
24
23.5
23
22.5
22
21.5

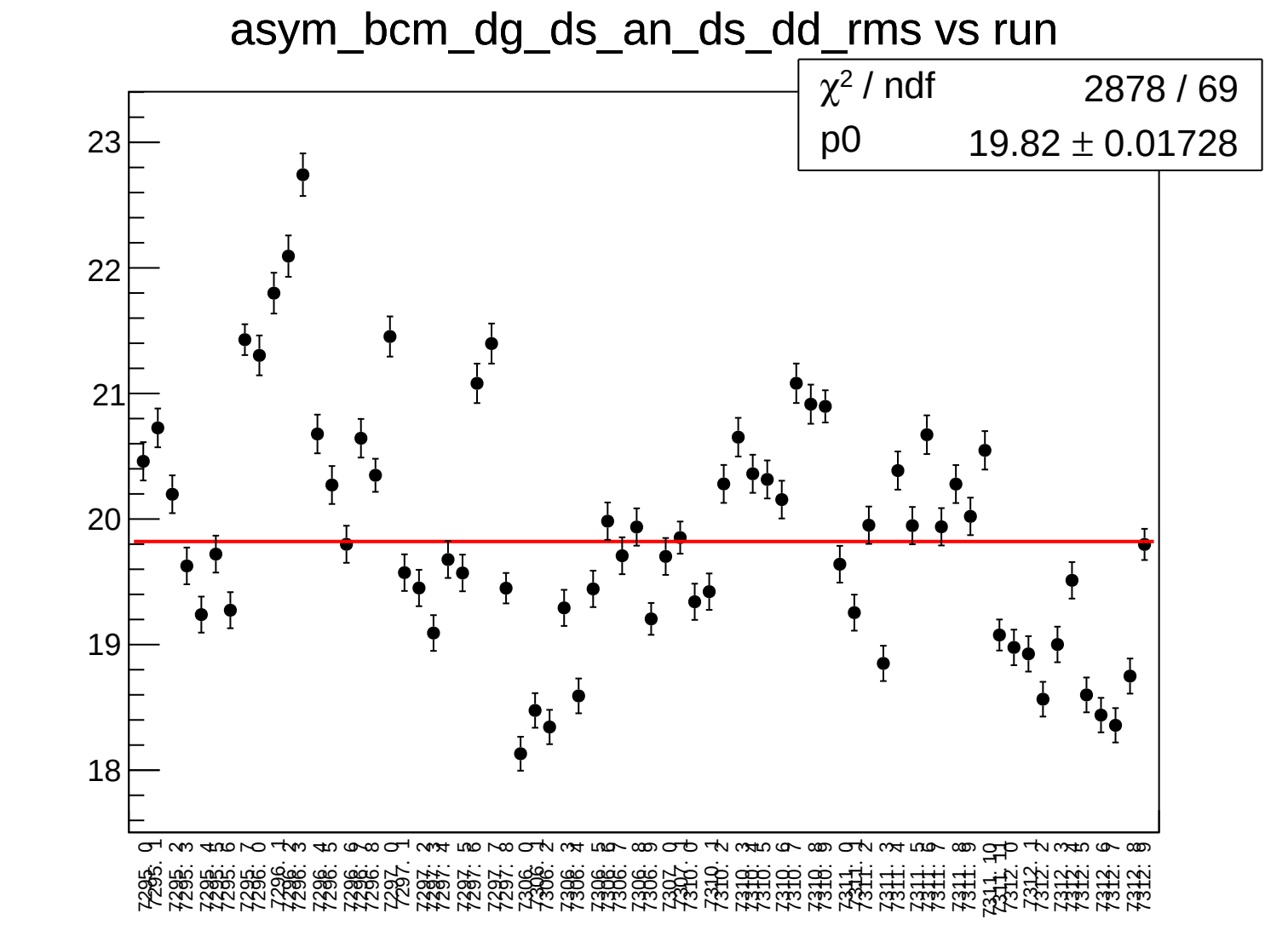

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 13.37 / 69
p0 −127.9 ± 244.1
6000
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 1.743
Std Dev 0

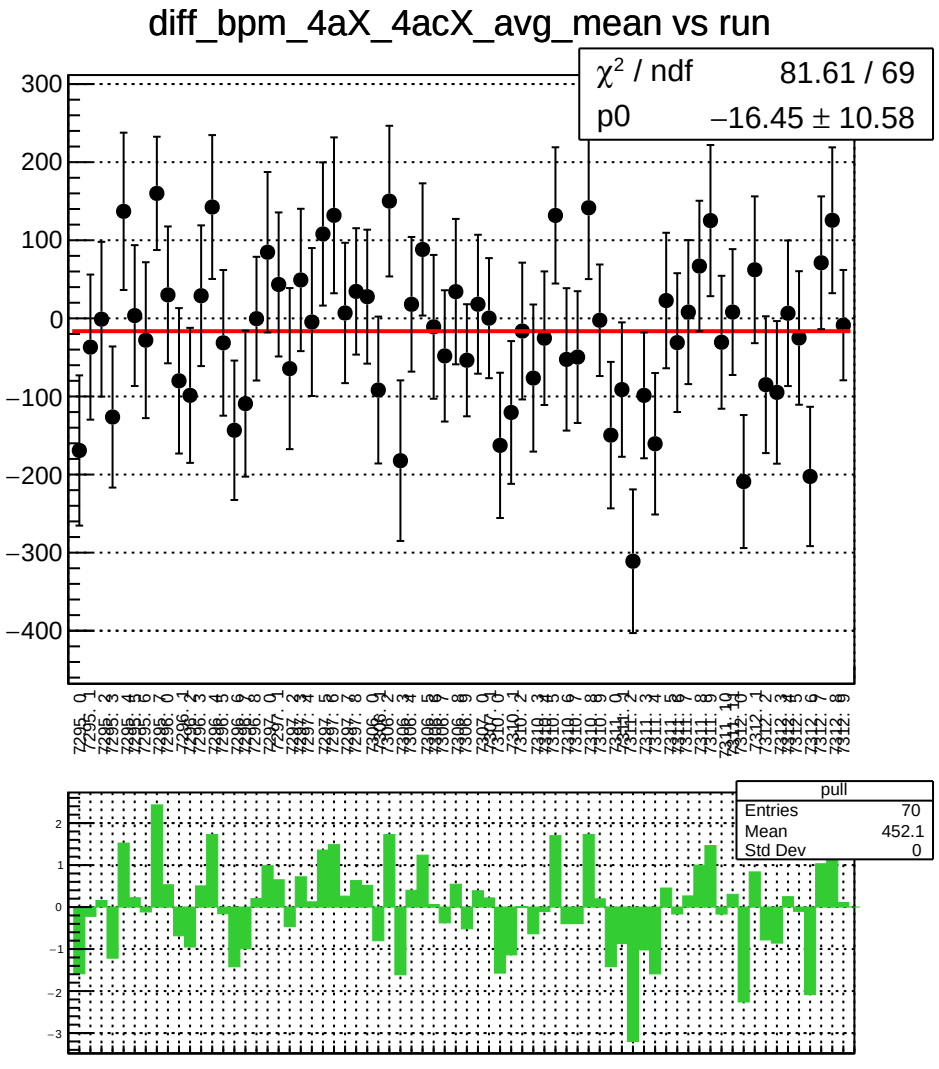

pull1D
Entries 70
Mean 0.01171
Std Dev 0.4369
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

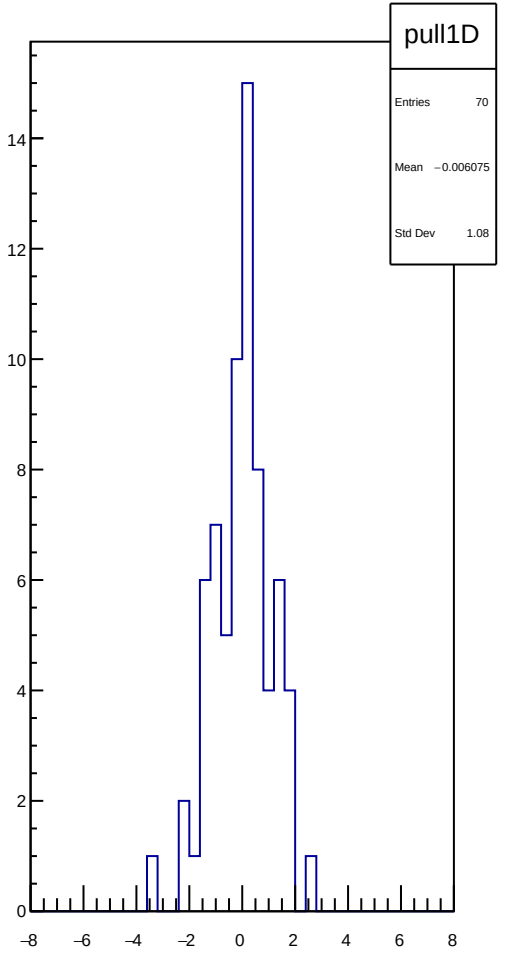

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 8.602e+04 / 69
p0 191.7 ± 0.1726
350
300
250
200
150

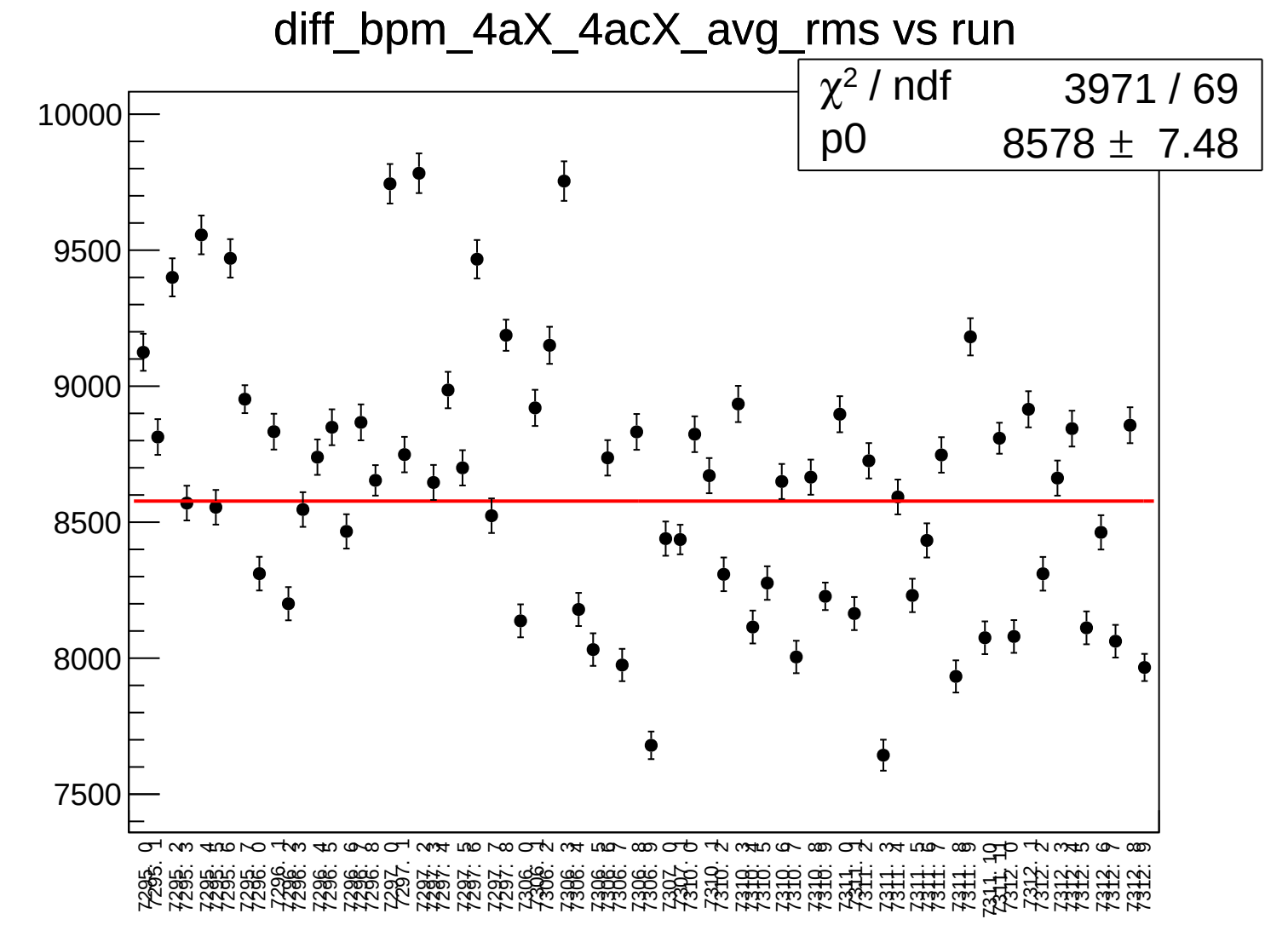

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 51.95 / 69
p0 −32.14 ± 24.43
pull
Entries 70
Mean 1325
Std Dev 0

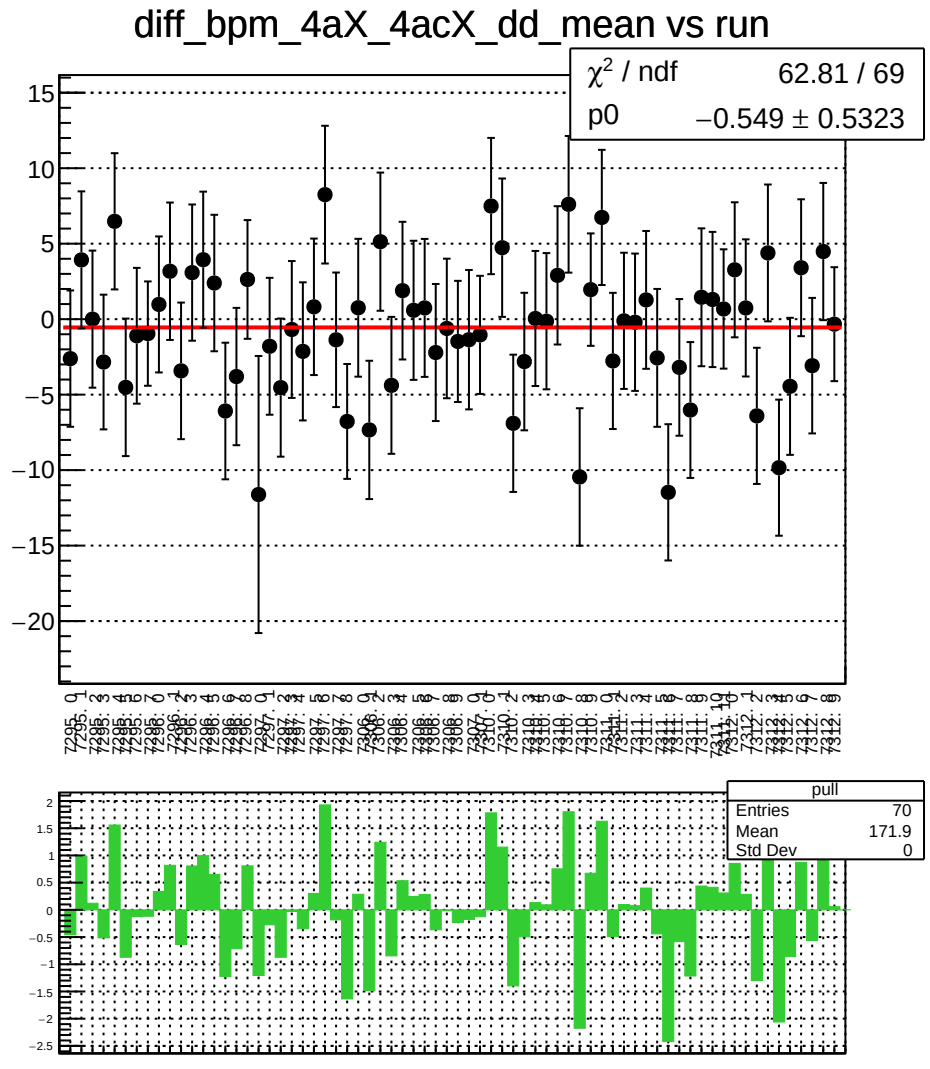

pull1D
Entries 70
Mean 0.001607
Std Dev 0.8615

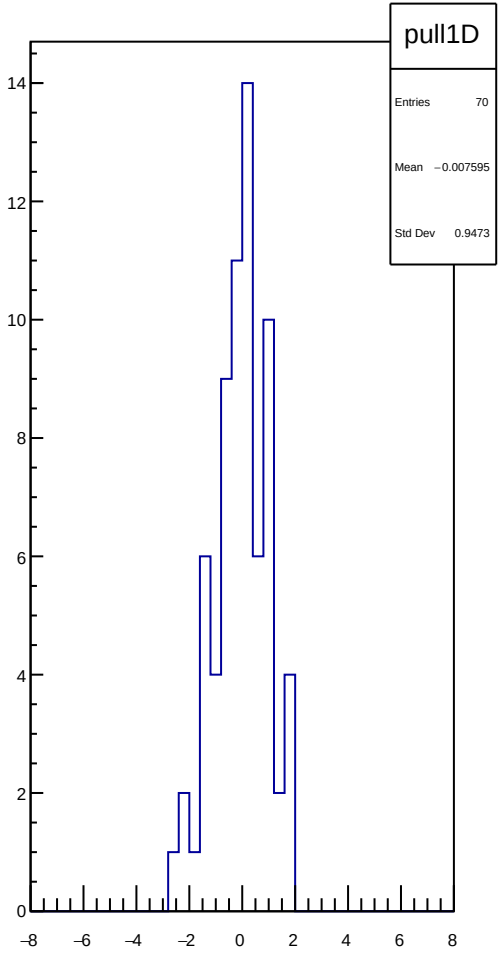

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 2878 / 69
p0 19.82 ± 0.01728
23
22
21
20
19
18

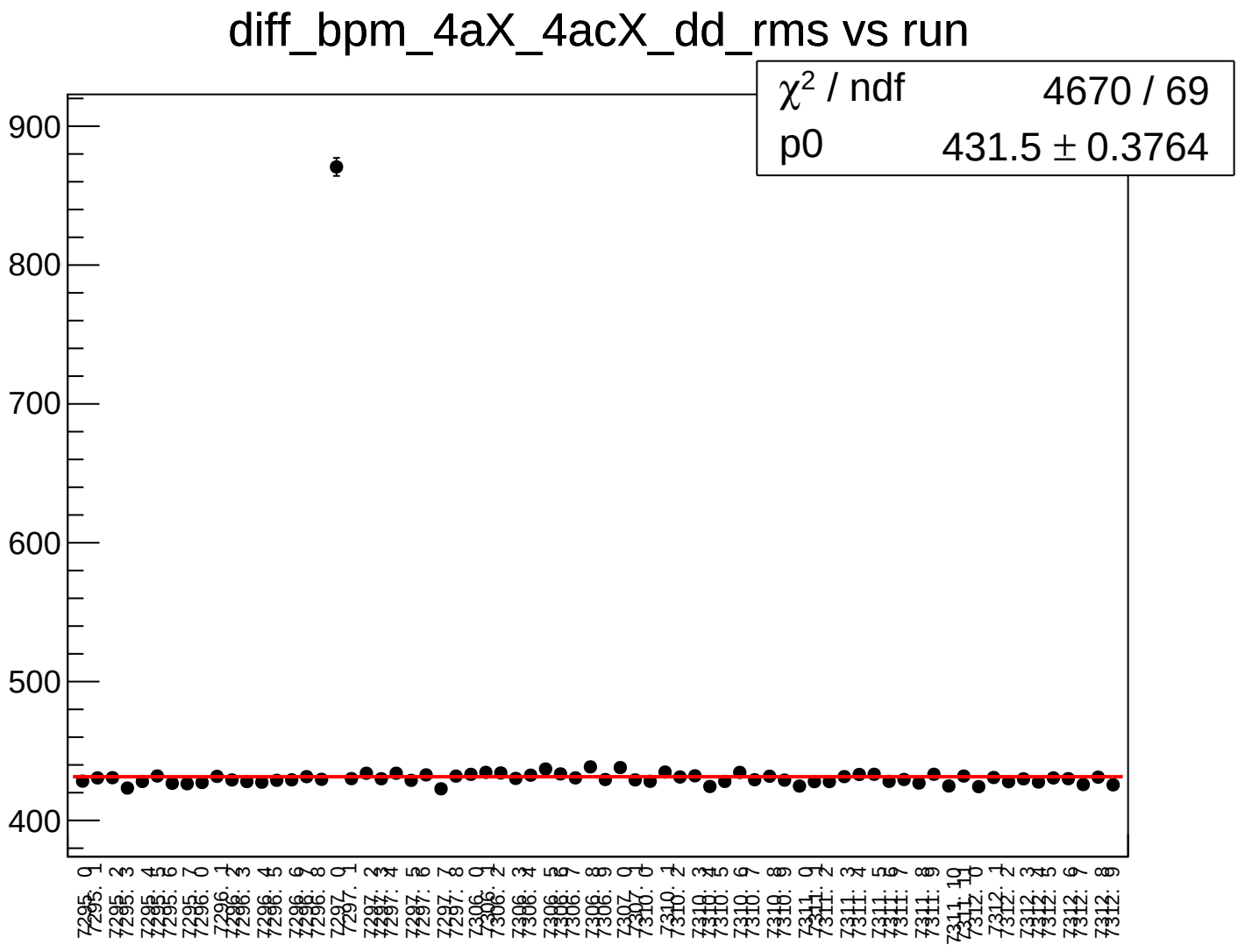

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 81.61 / 69
p0 −16.45 ± 10.58
pull
Entries 70
Mean 452.1
Std Dev 0

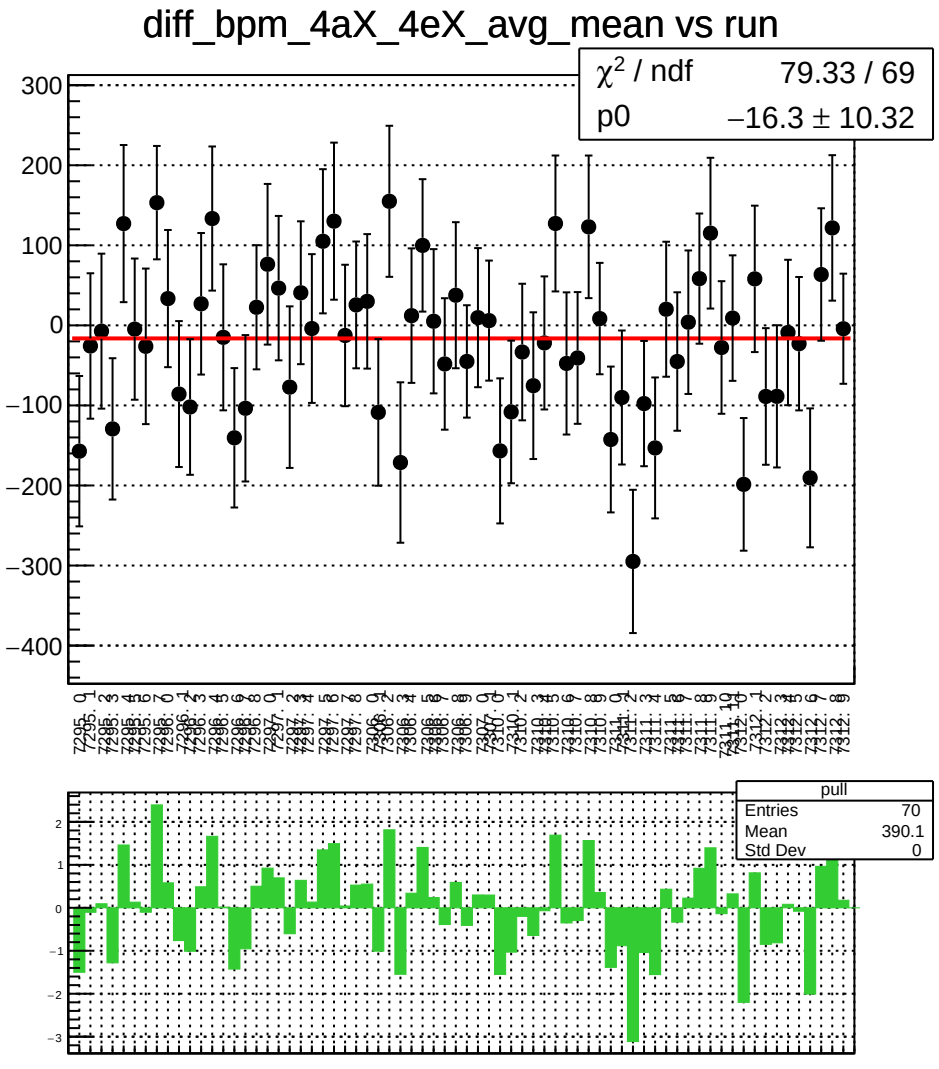

pull1D
Entries 70
Mean −0.006075
Std Dev 1.08

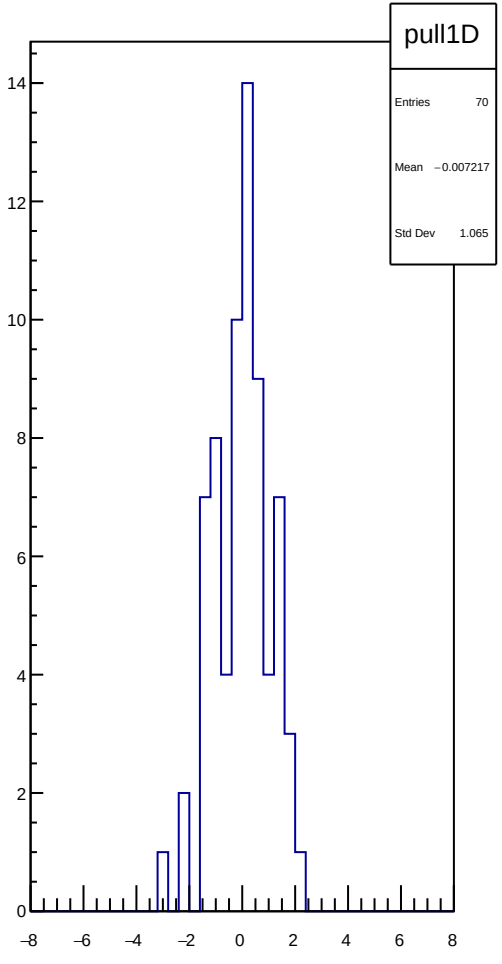

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 3971 / 69
p0 8578 ± 7.48
10000
9500
9000
8500
8000
7500

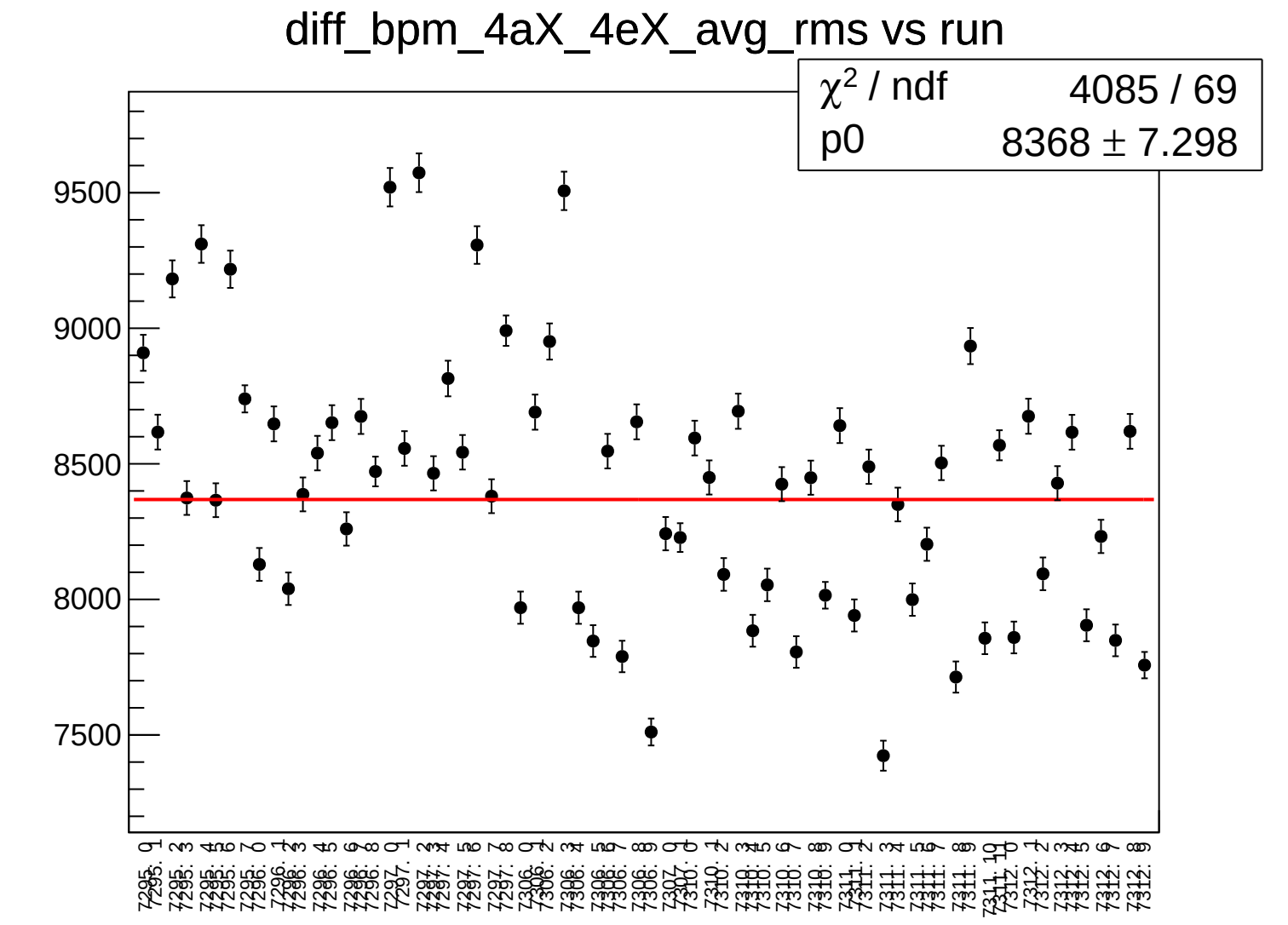

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 62.81 / 69
p0 −0.549 ± 0.5323
pull
Entries 70
Mean 171.9
Std Dev 0

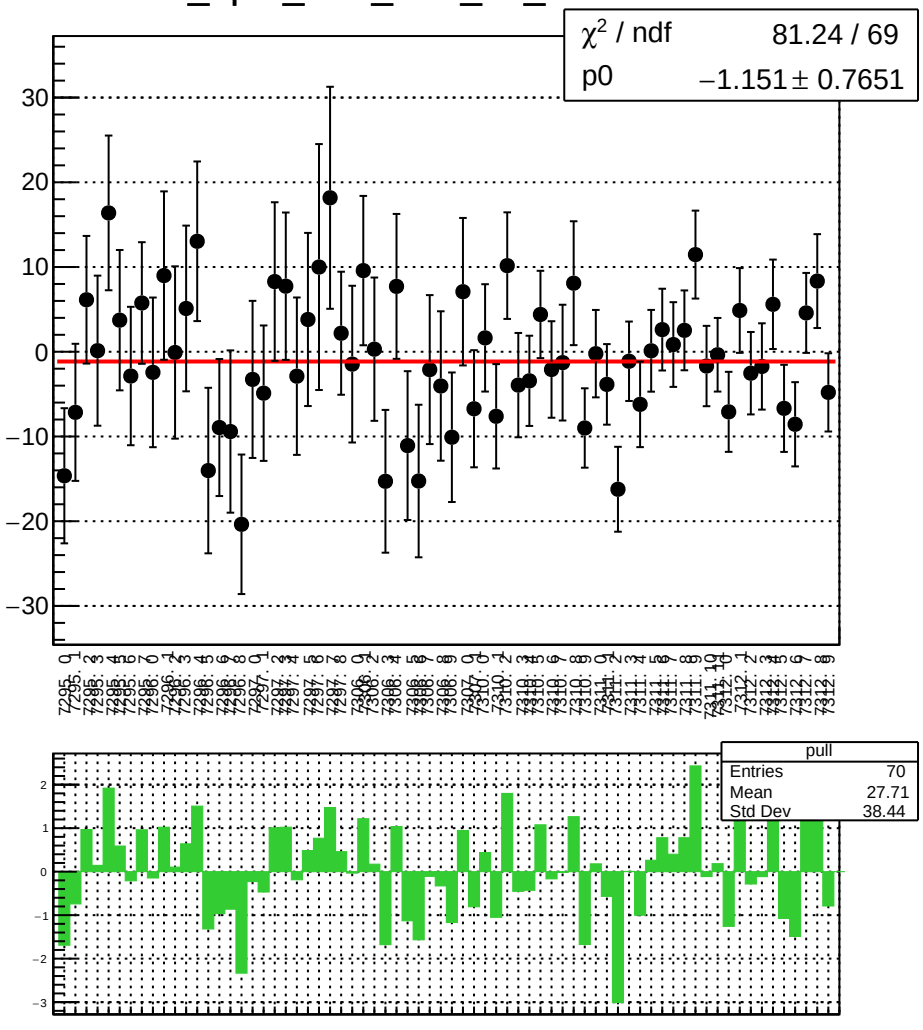

pull1D
Entries 70
Mean −0.007595
Std Dev 0.9473

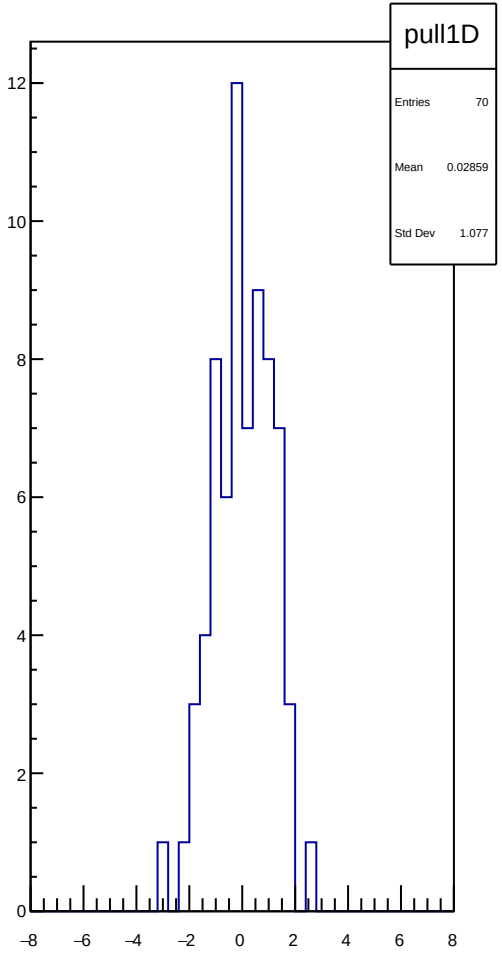

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 4670 / 69
p0 431.5 ± 0.3764
900
800
700
600
500
400

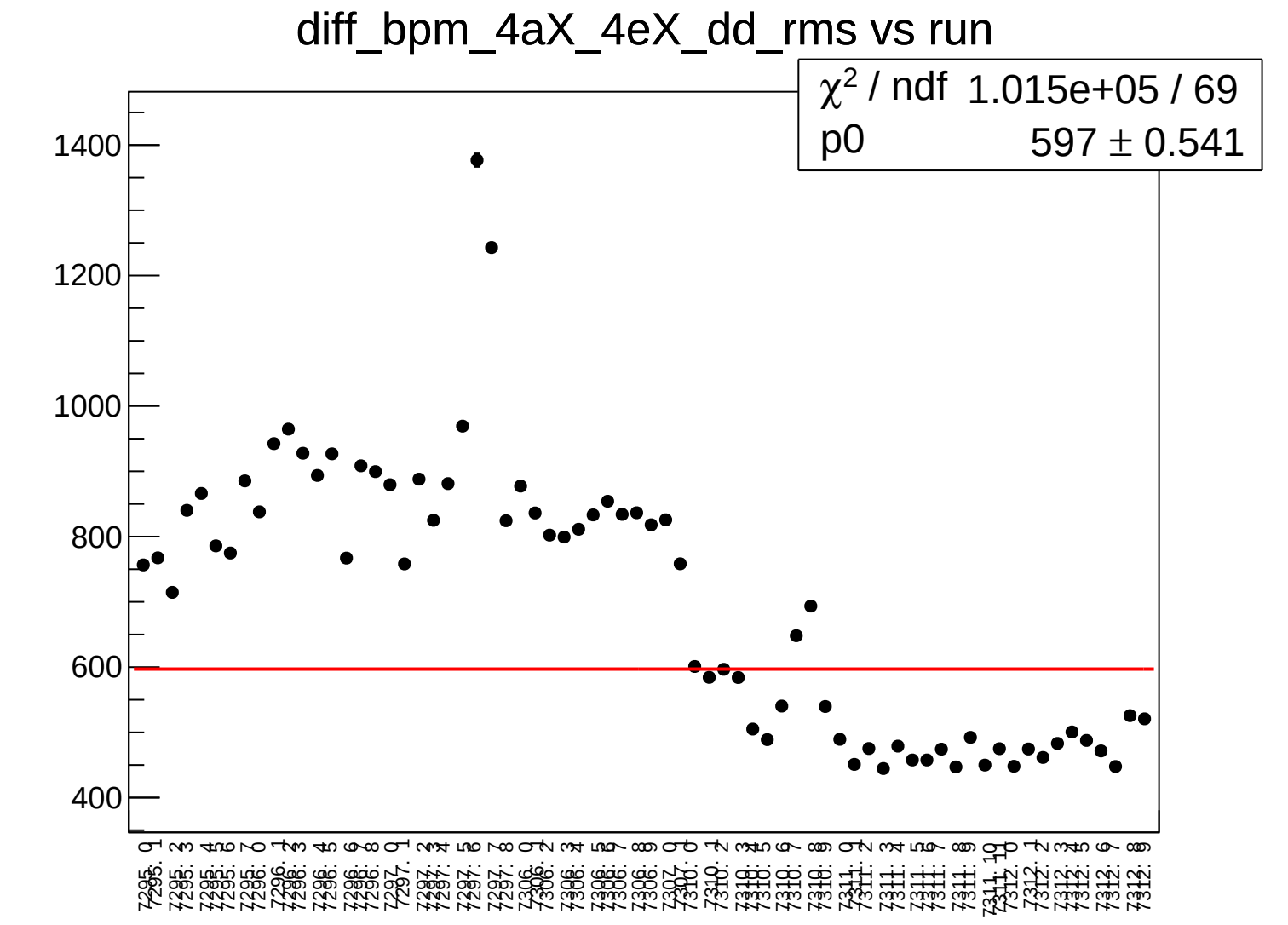

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 79.33 / 69
p0 −16.3 ± 10.32
pull
Entries 70
Mean 390.1
Std Dev 0

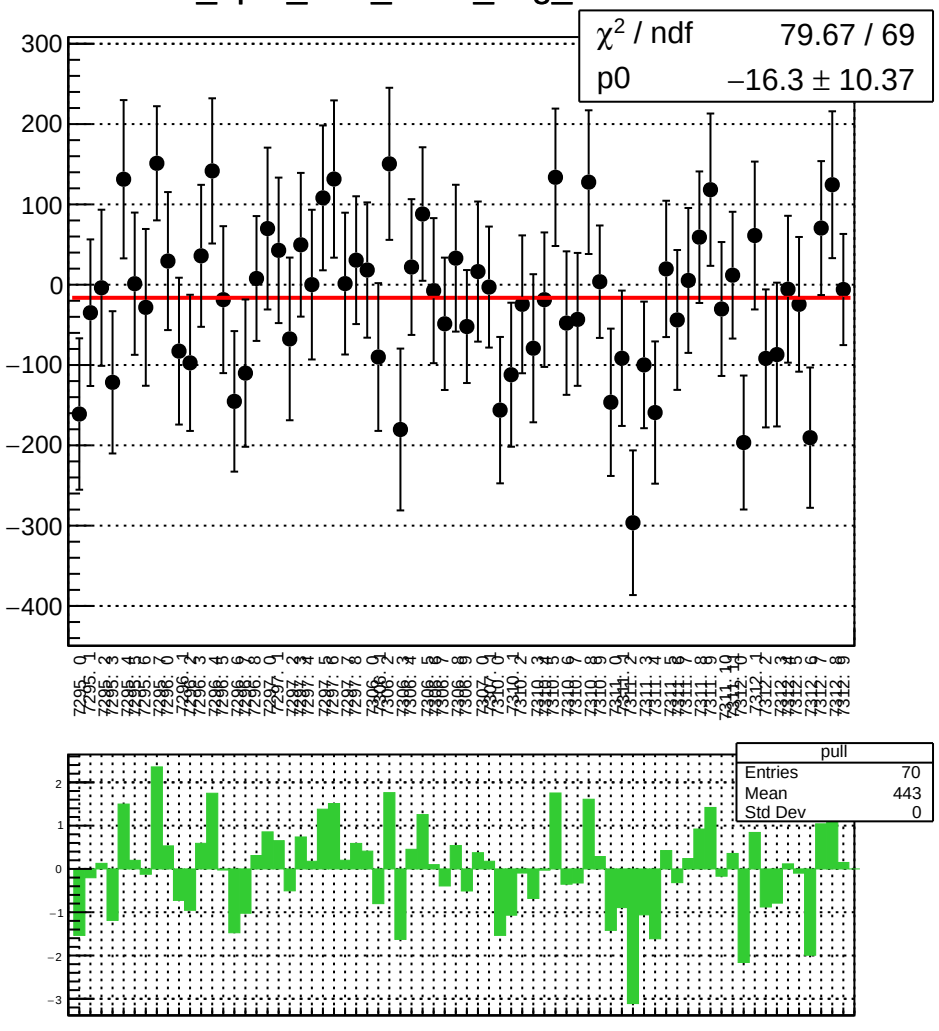

pull1D
Entries 70
Mean −0.007217
Std Dev 1.065

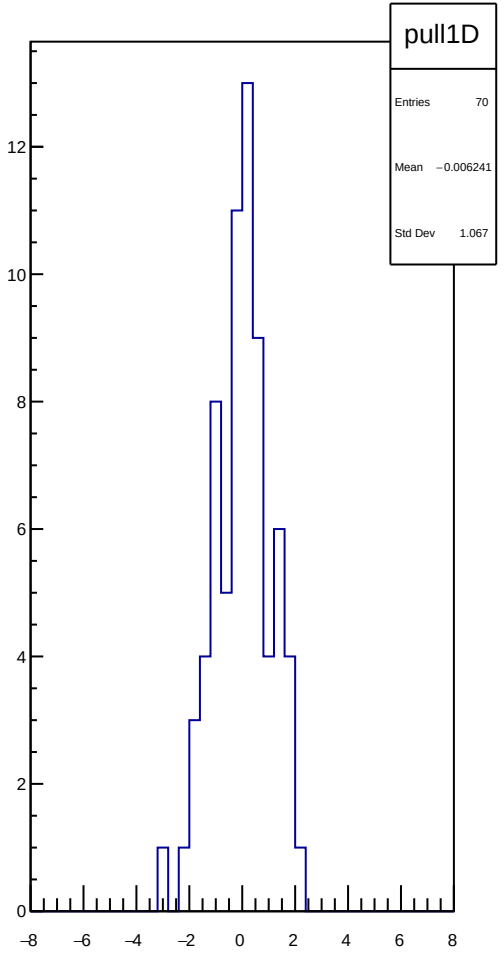

diff_bpm_4aX_4eX_avg_rms vs run
χ^2 / ndf 4085 / 69
p0 8368 ± 7.298
9500
9000
8500
8000
7500

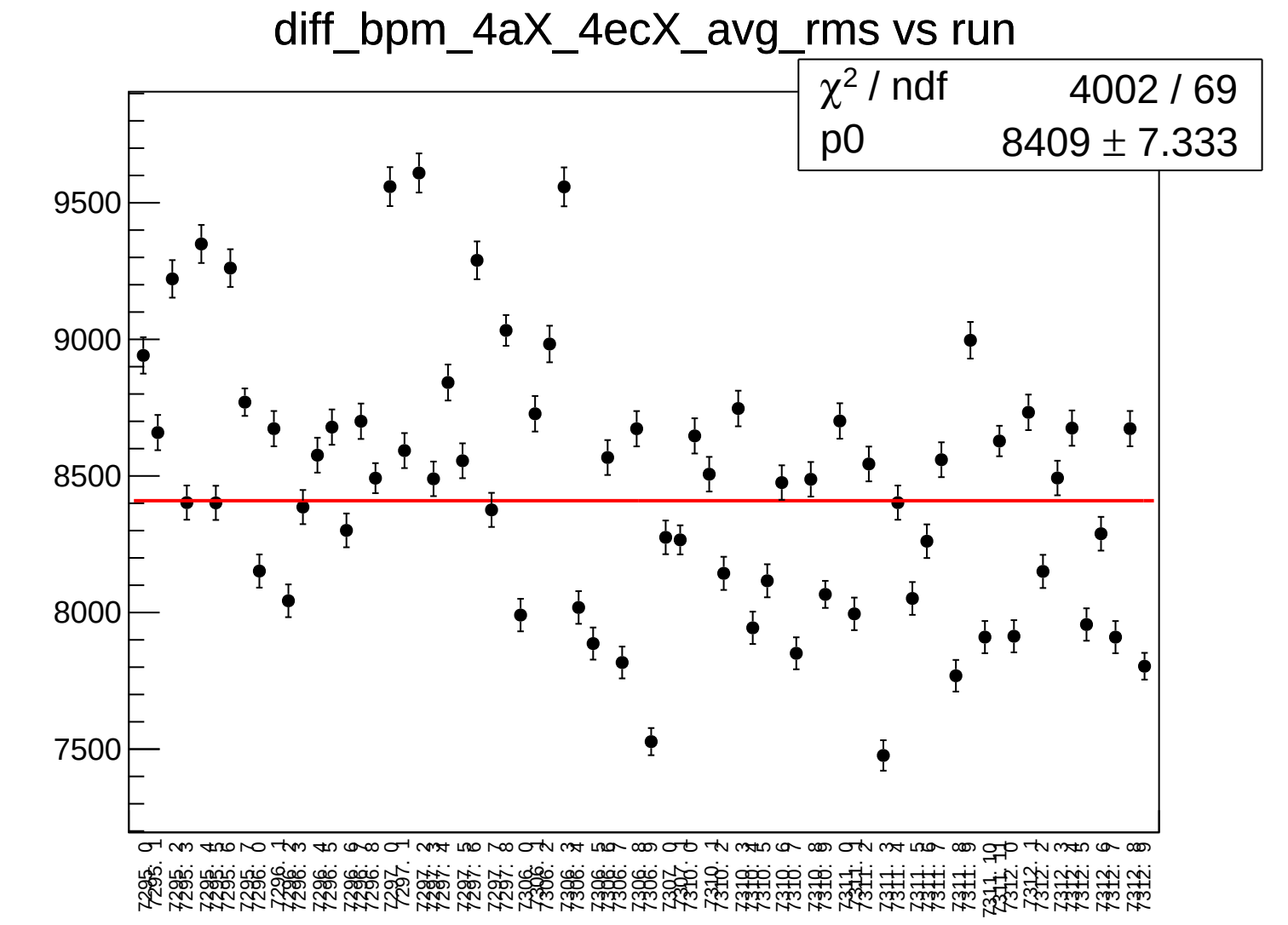

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 81.24 / 69
p0 −1.151 ± 0.7651
pull
Entries 70
Mean 27.71
Std Dev 38.44

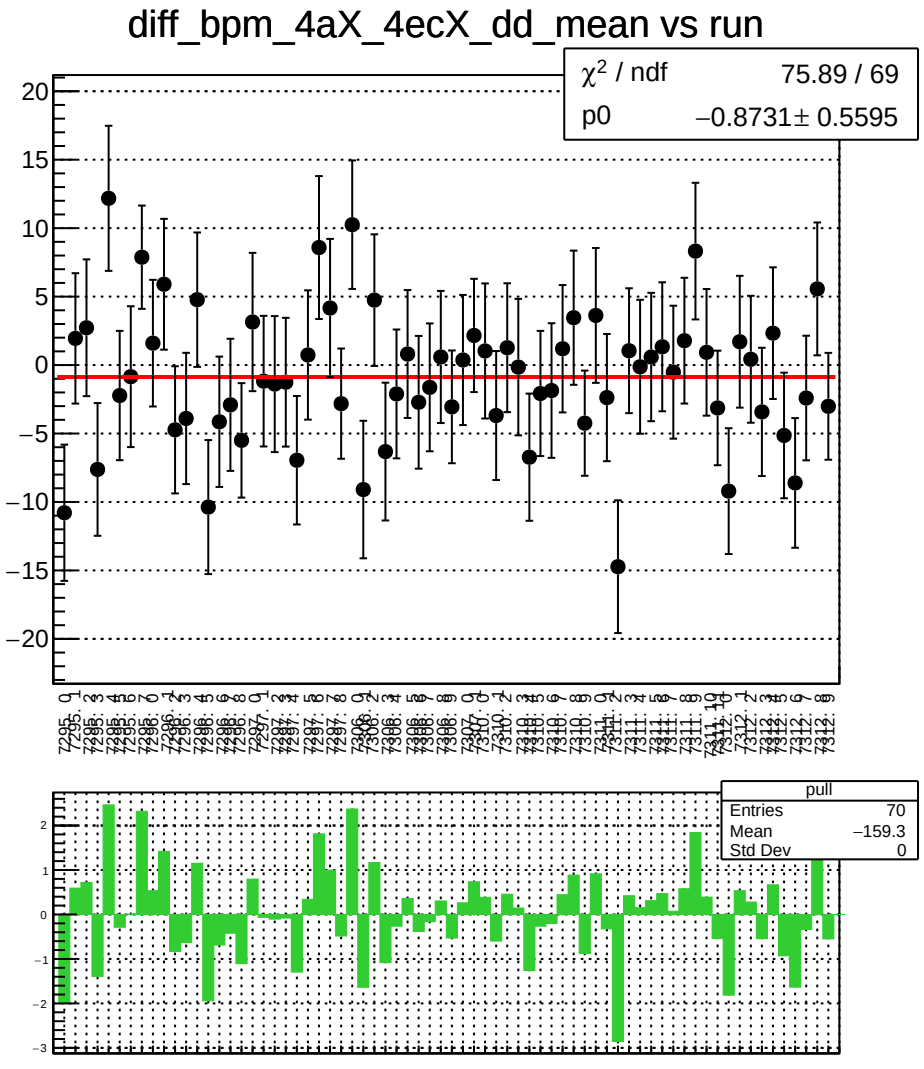

pull1D
Entries 70
Mean 0.02859
Std Dev 1.077

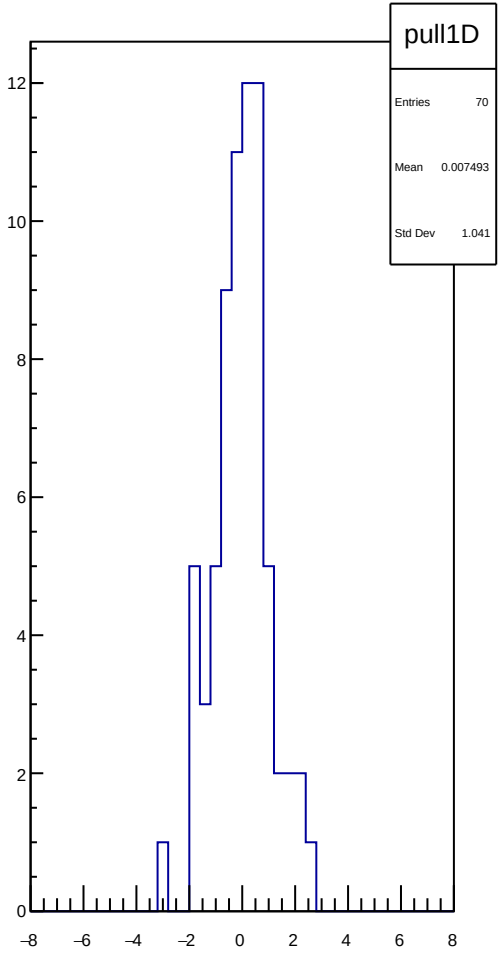

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 1.015e+05 / 69
p0 597 ± 0.541
1400
1200
1000
800
600
400

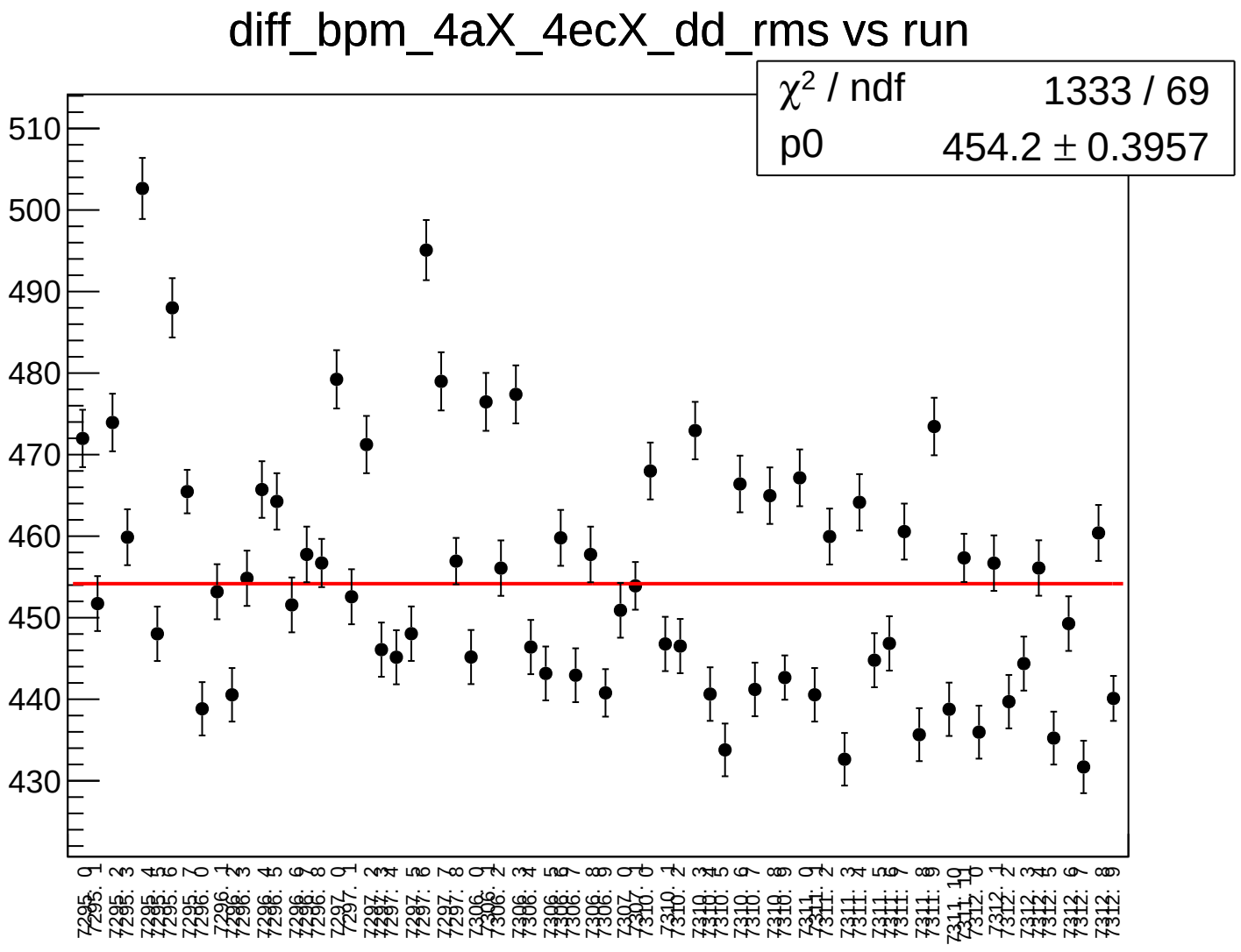

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 79.67 / 69
p0 −16.3 ± 10.37
pull
Entries 70
Mean 443
Std Dev 0

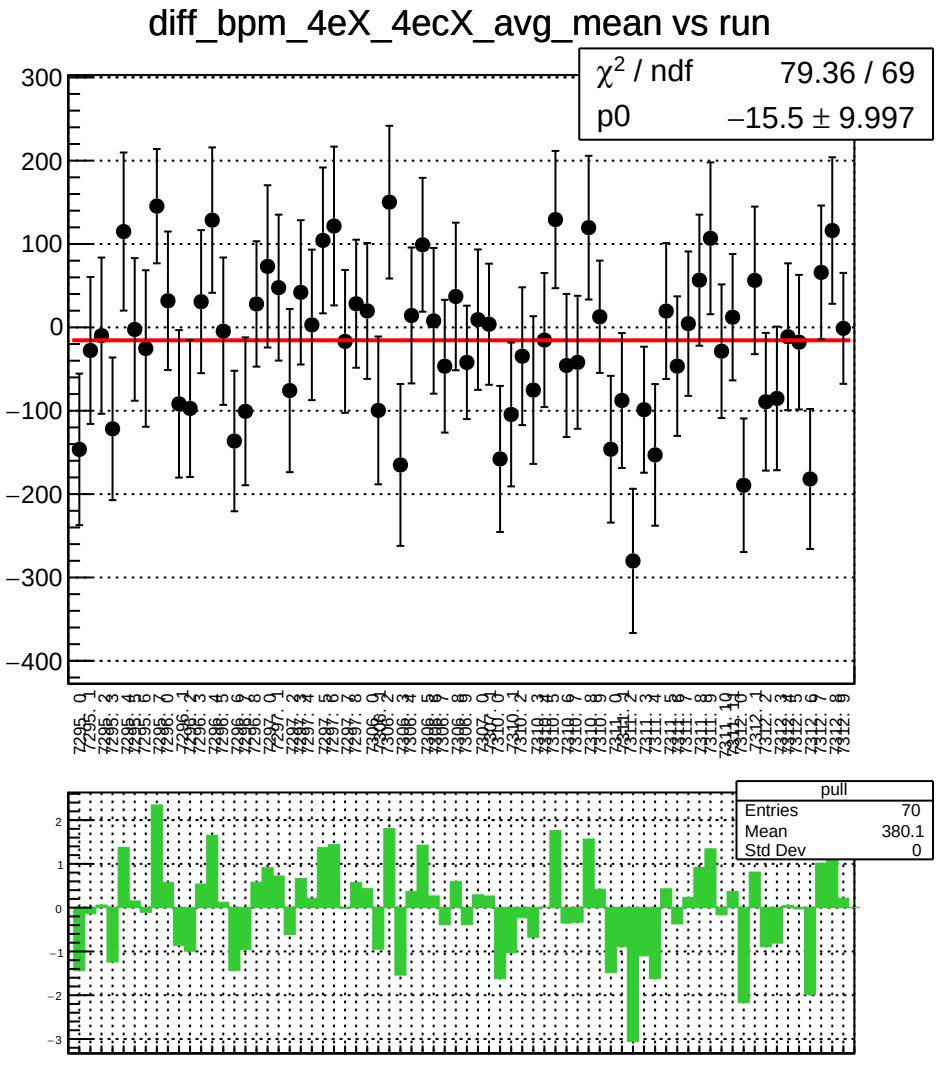

pull1D
Entries 70
Mean −0.006241
Std Dev 1.067

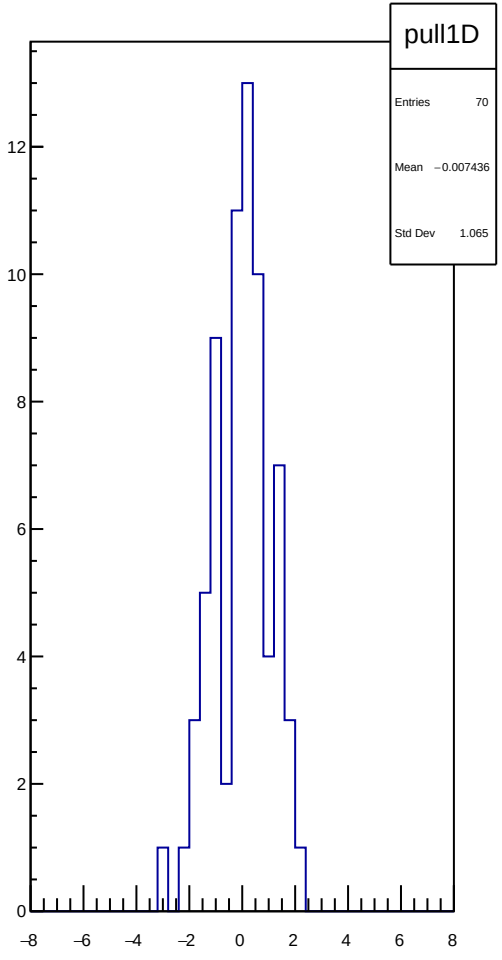

diff_bpm_4aX_4ecX_avg_rms vs run
χ^2 / ndf 4002 / 69
p0 8409 ± 7.333
9500
9000
8500
8000
7500

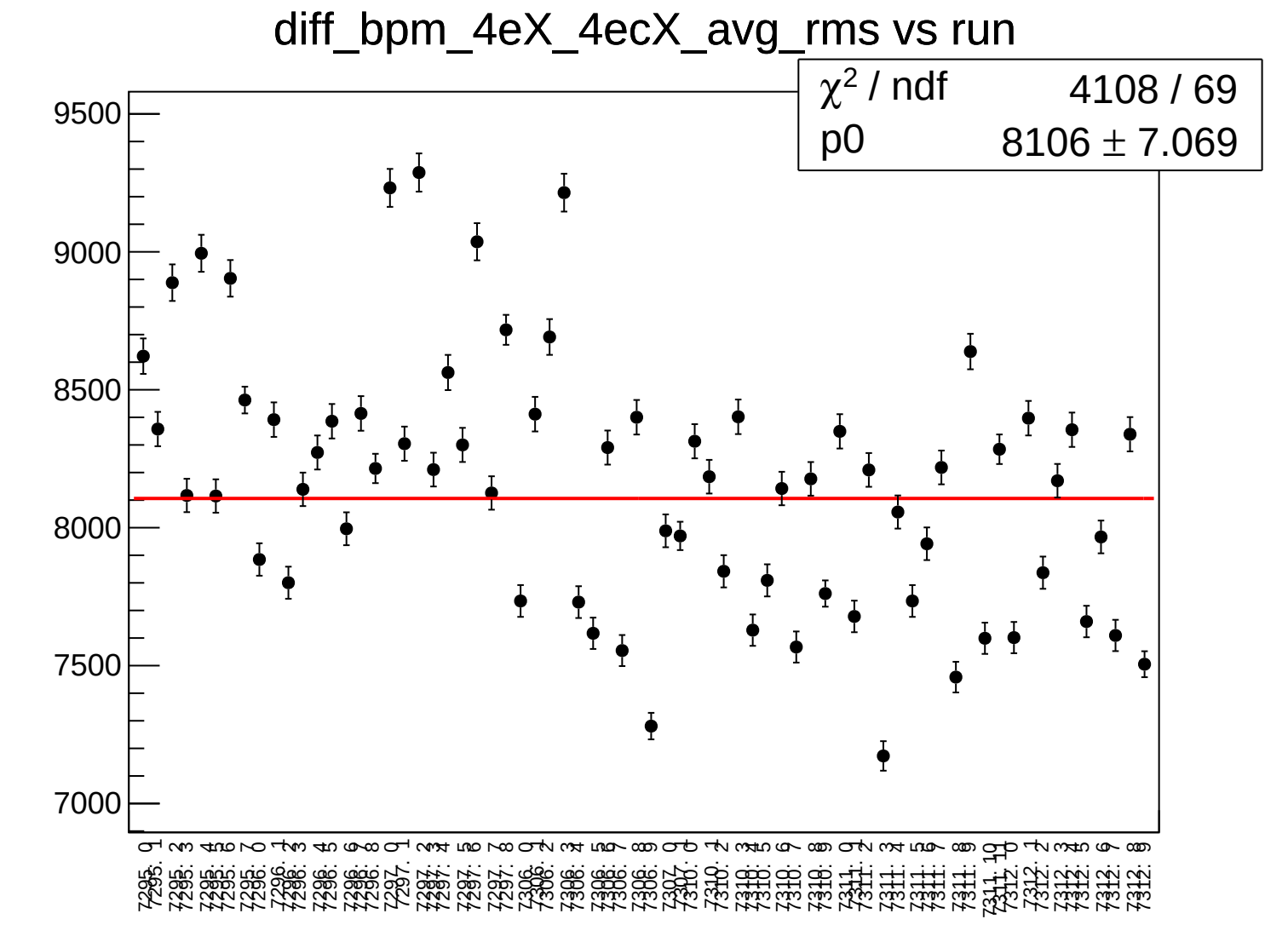

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 75.89 / 69
p0 −0.8731± 0.5595
pull
Entries 70
Mean −159.3
Std Dev 0

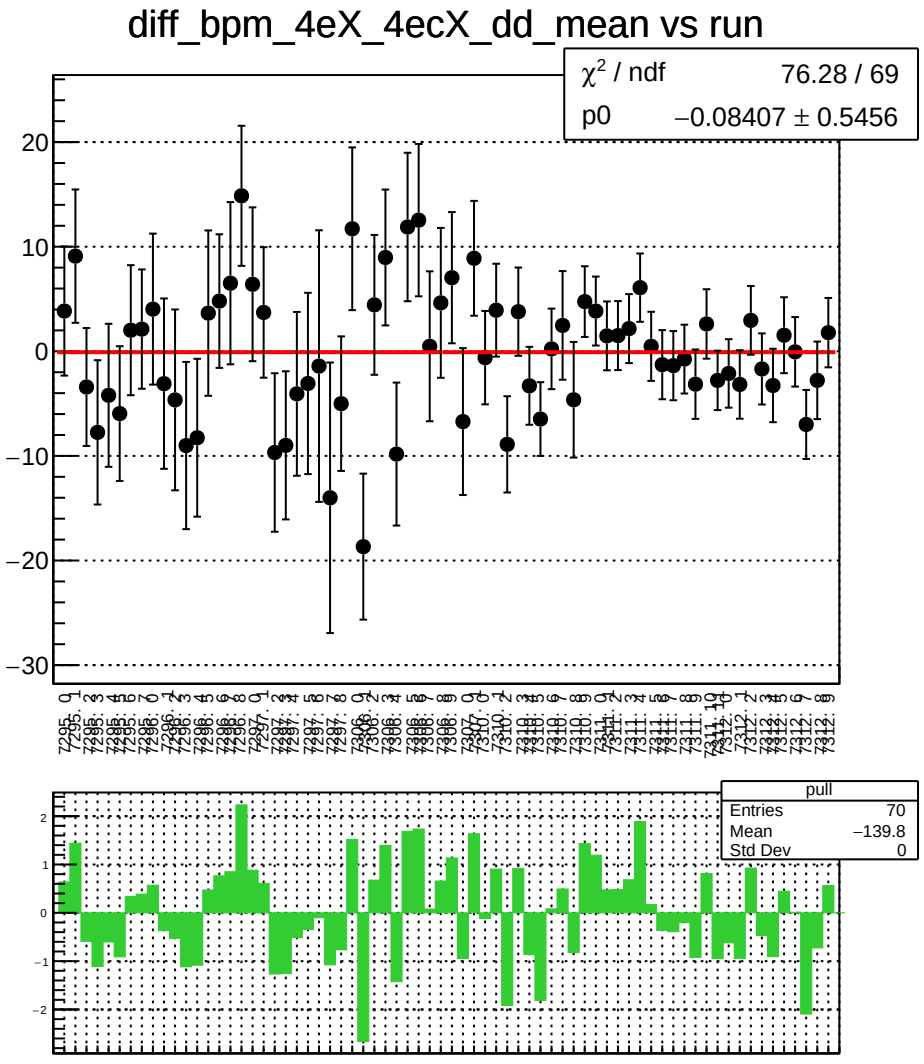

pull1D
Entries 70
Mean 0.007493
Std Dev 1.041

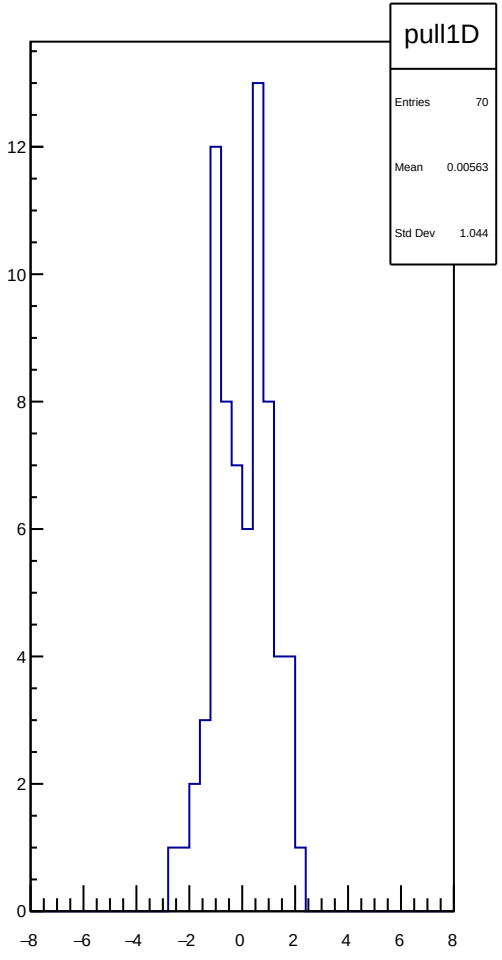

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 1333 / 69
p0 454.2 ± 0.3957
510
500
490
480
470
460
450
440
430

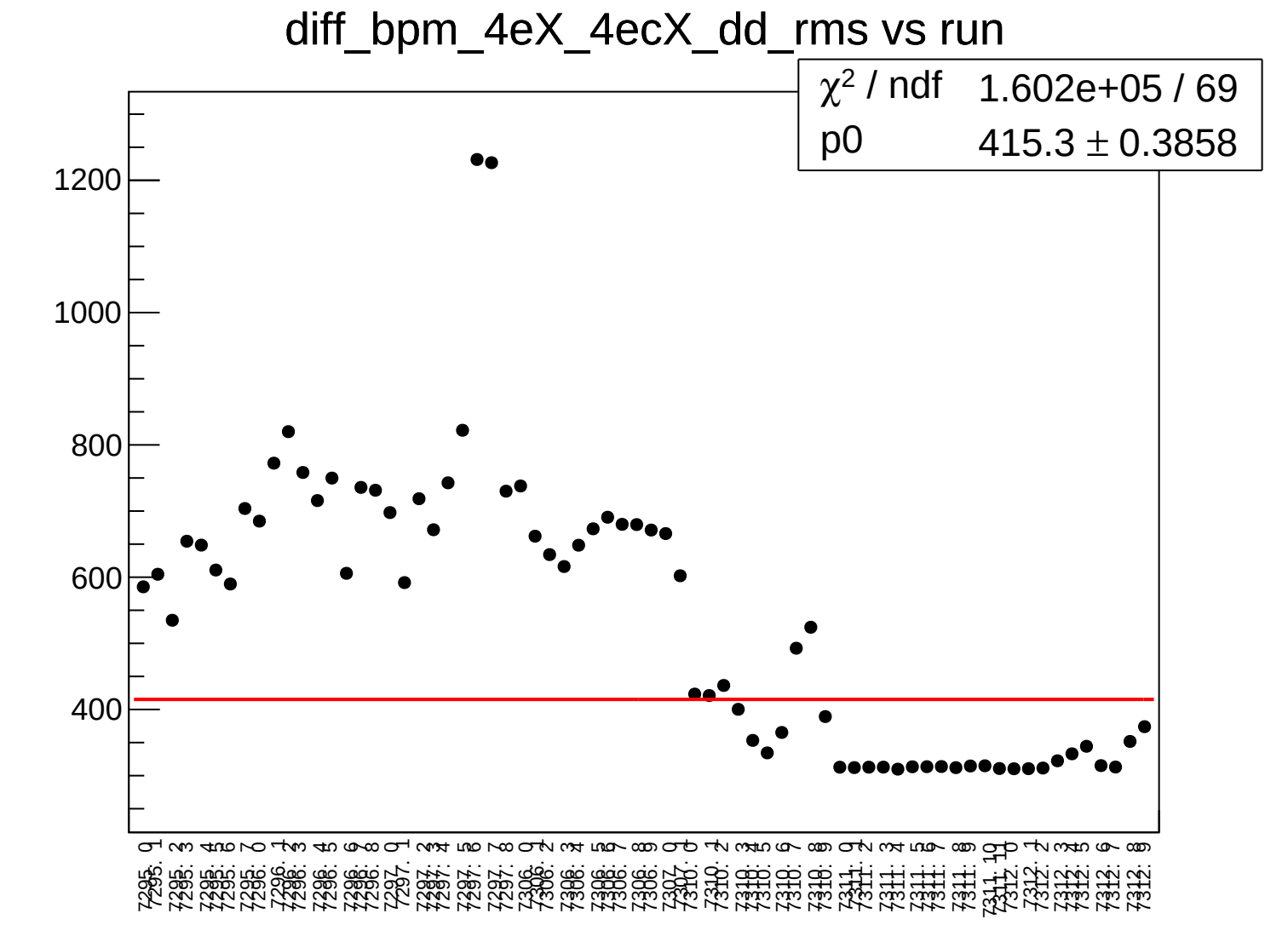

diff_bpm_4eX_4ecX_avg_mean vs run
χ^2 / ndf 79.36 / 69
p0 −15.5 ± 9.997
pull
Entries 70
Mean 380.1
Std Dev 0

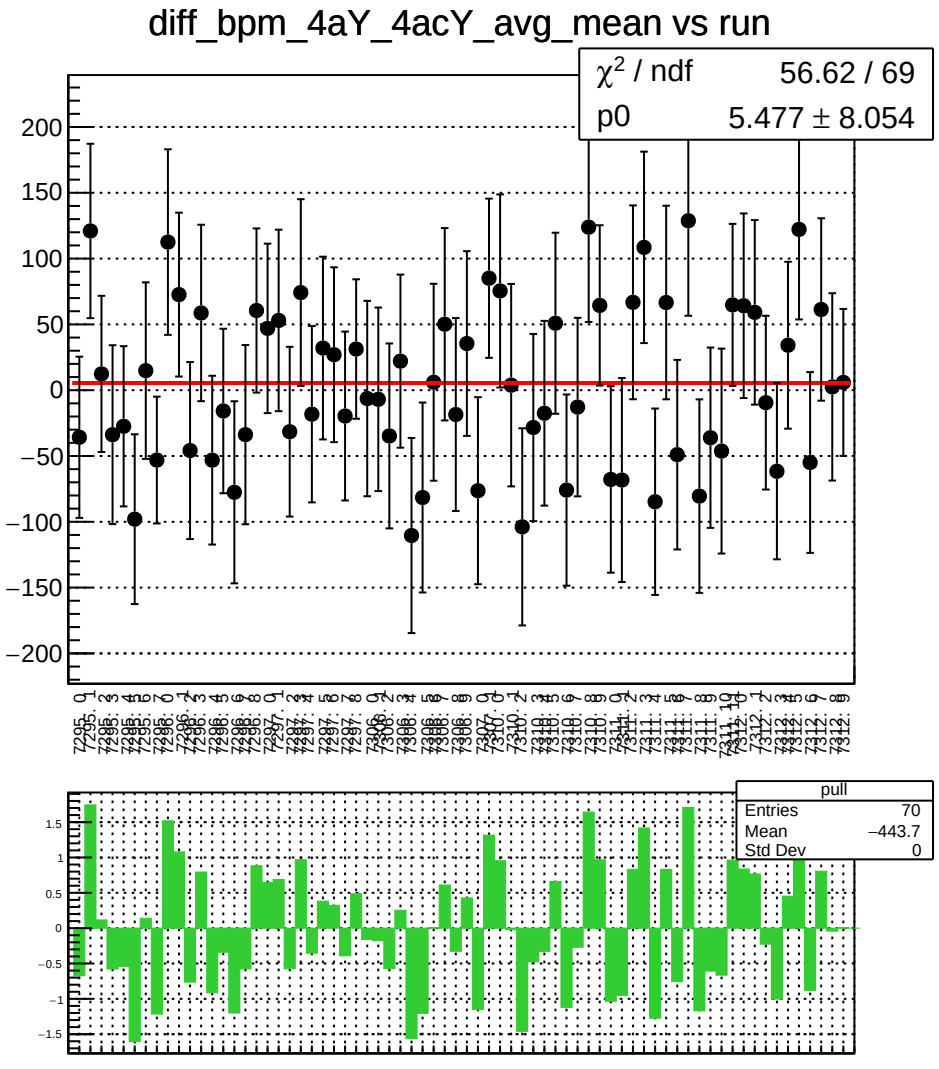

pull1D
Entries 70
Mean −0.007436
Std Dev 1.065

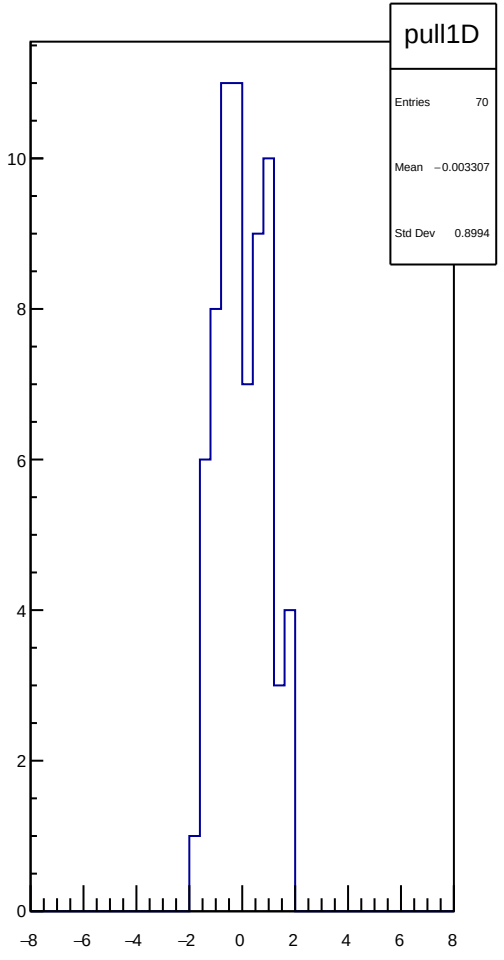

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4108 / 69
p0 8106 ± 7.069
9500
9000
8500
8000
7500
7000

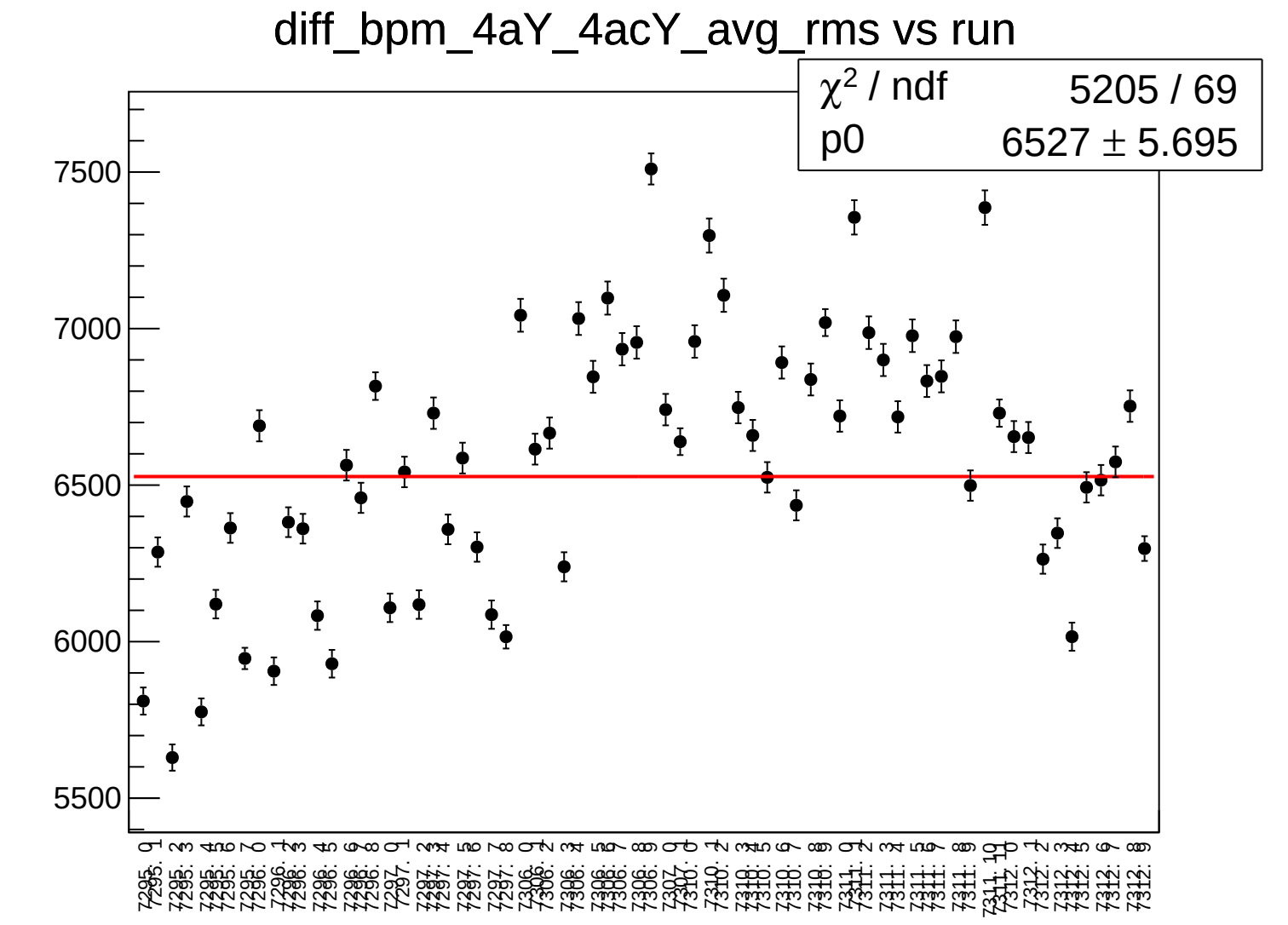

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 76.28 / 69
p0 −0.08407 ± 0.5456
pull
Entries 70
Mean −139.8
Std Dev 0

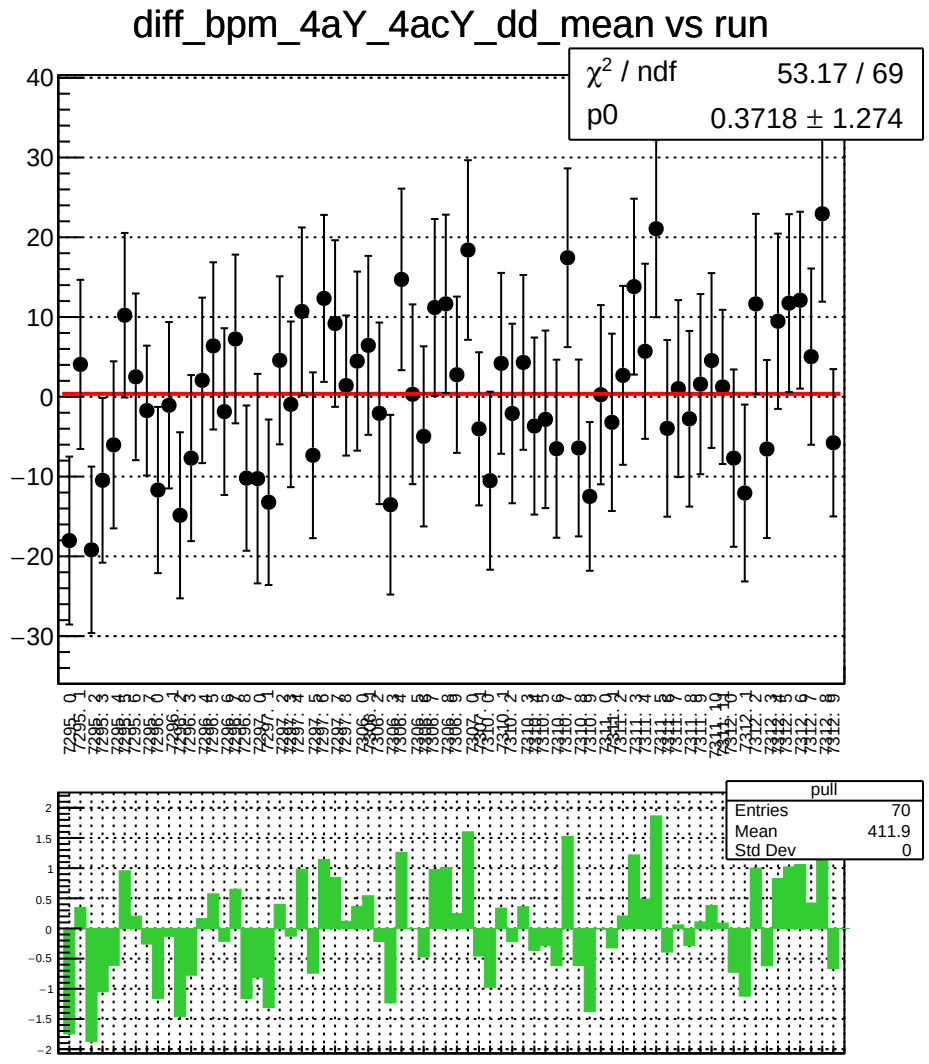

pull1D
Entries 70
Mean 0.00563
Std Dev 1.044

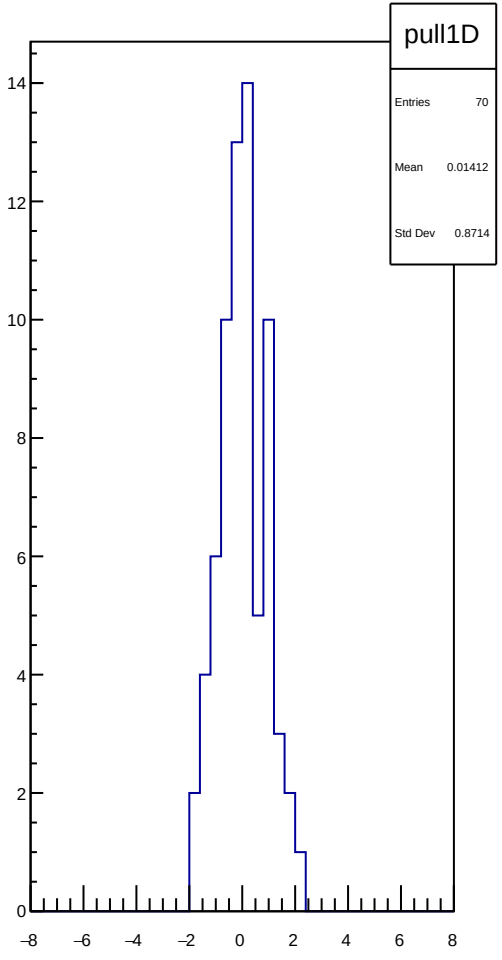

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 1.602e+05 / 69
p0 415.3 ± 0.3858
1200
1000
800
600
400

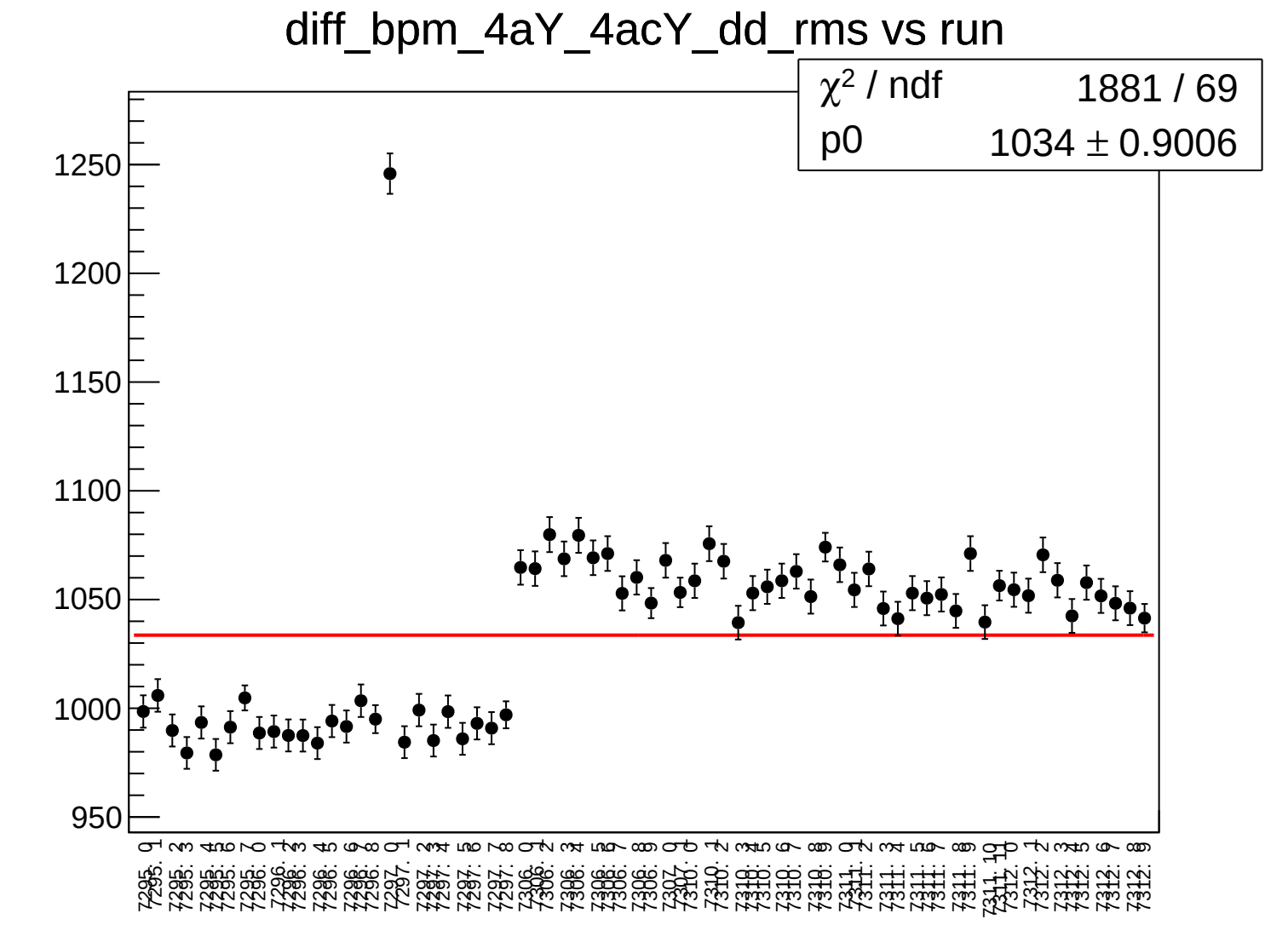

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 56.62 / 69
p0 5.477 ± 8.054
pull
Entries 70
Mean −443.7
Std Dev 0

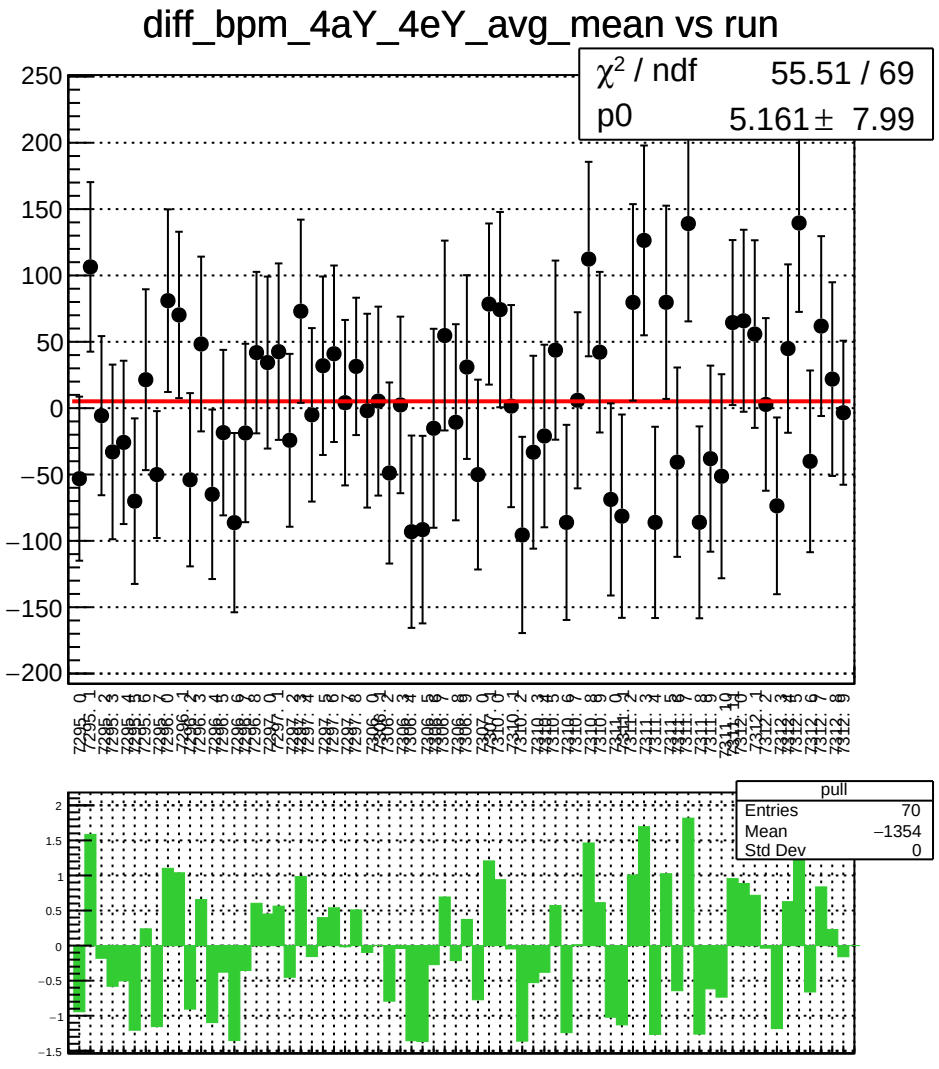

pull1D
Entries 70
Mean −0.003307
Std Dev 0.8994

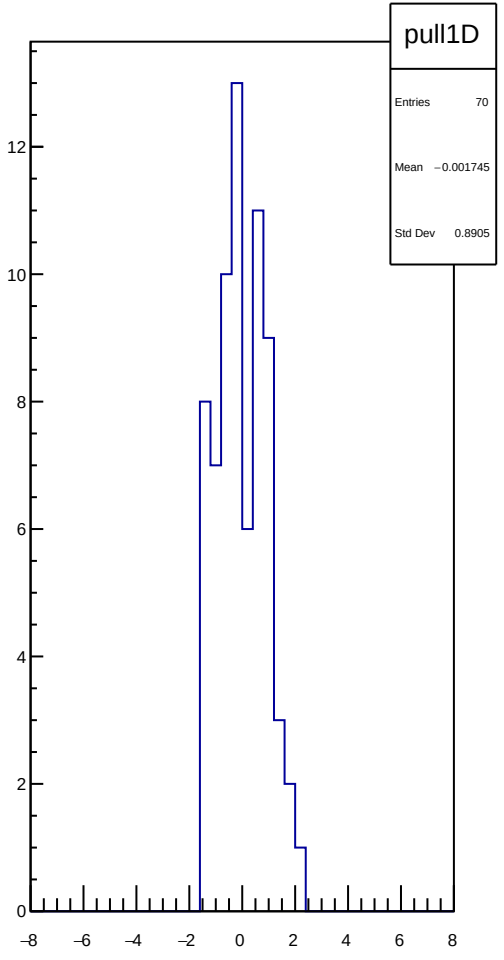

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 5205 / 69
p0 6527 ± 5.695
7500
7000
6500
6000
5500

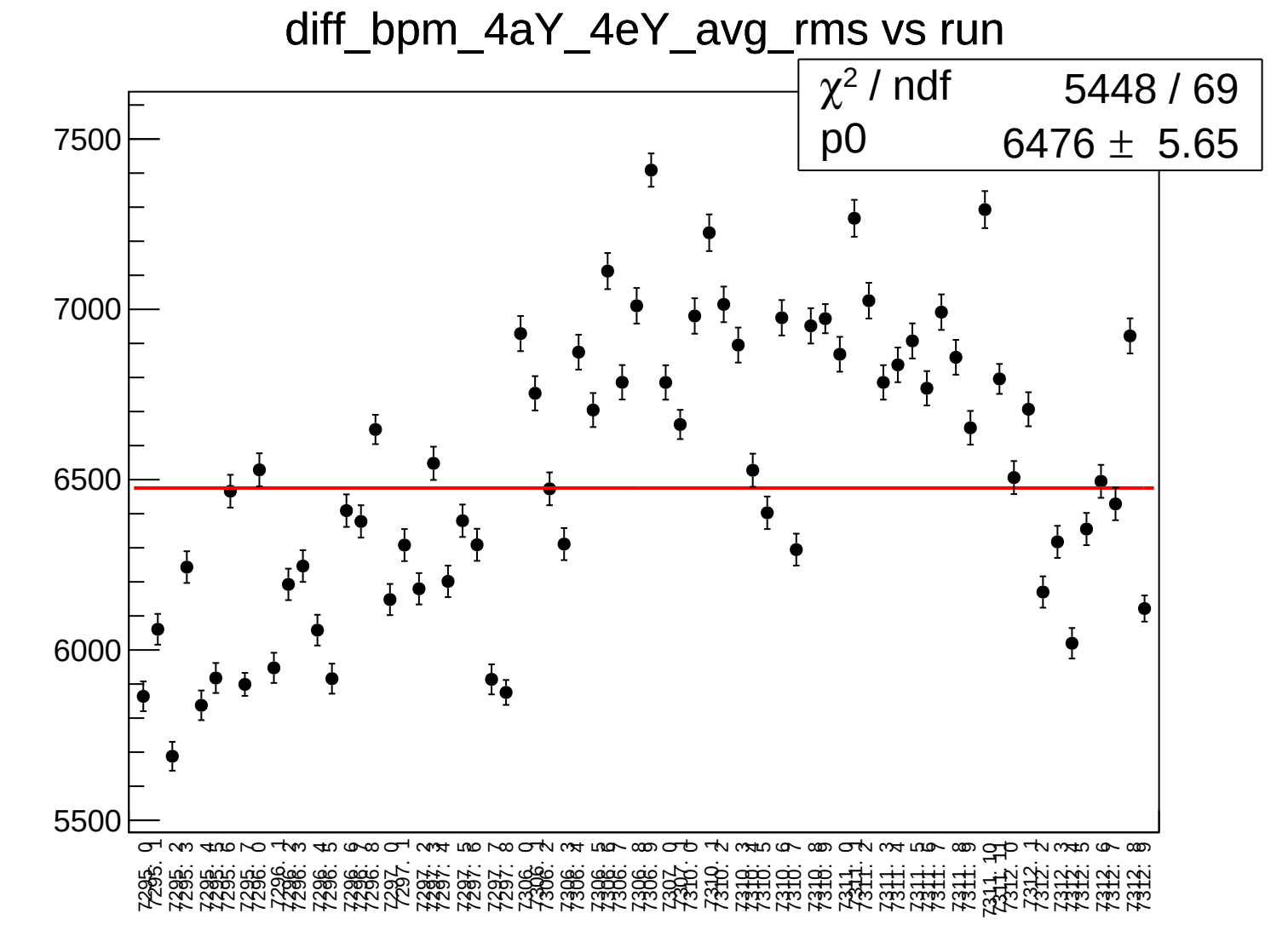

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 53.17 / 69
p0 0.3718 ± 1.274
pull
Entries 70
Mean 411.9
Std Dev 0

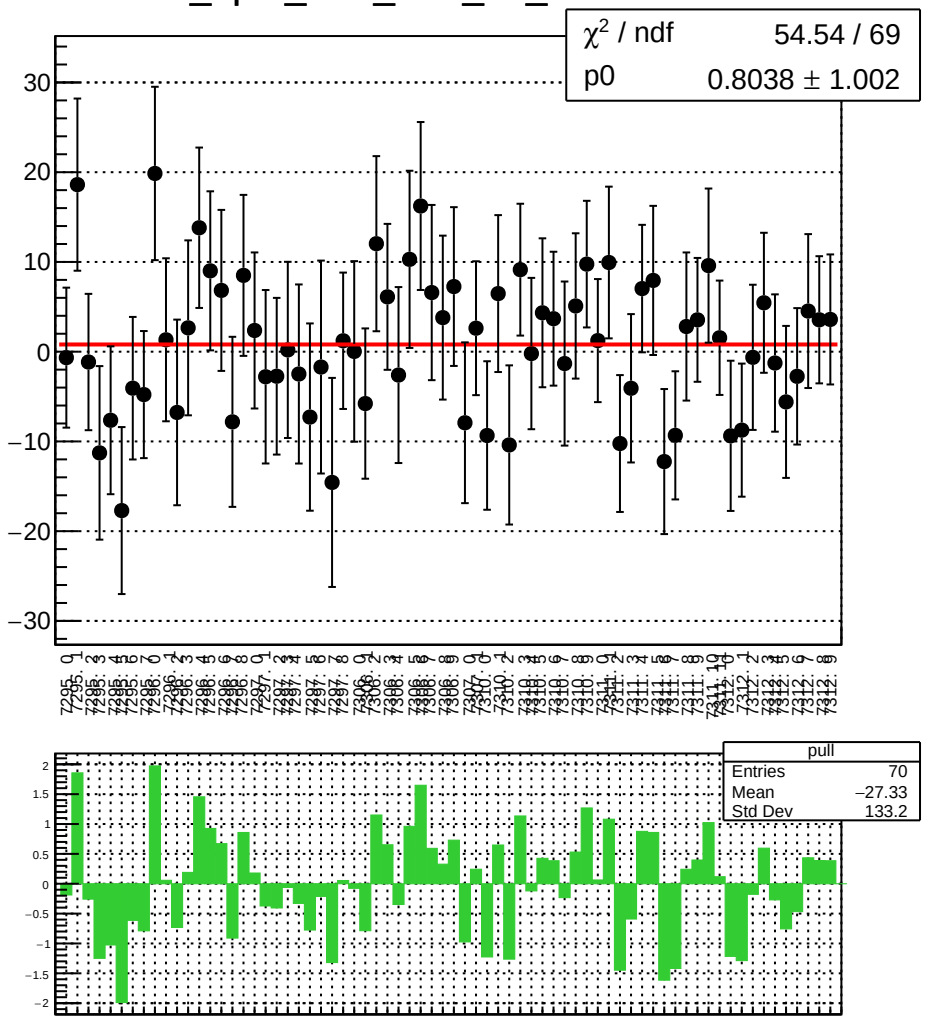

pull1D
Entries 70
Mean 0.01412
Std Dev 0.8714

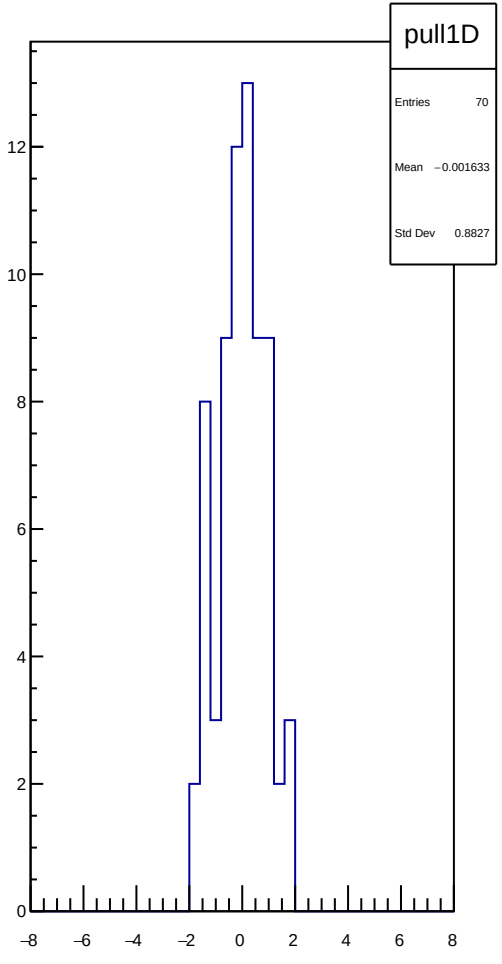

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 1881 / 69
p0 1034 ± 0.9006
1250
1200
1150
1100
1050
1000
950

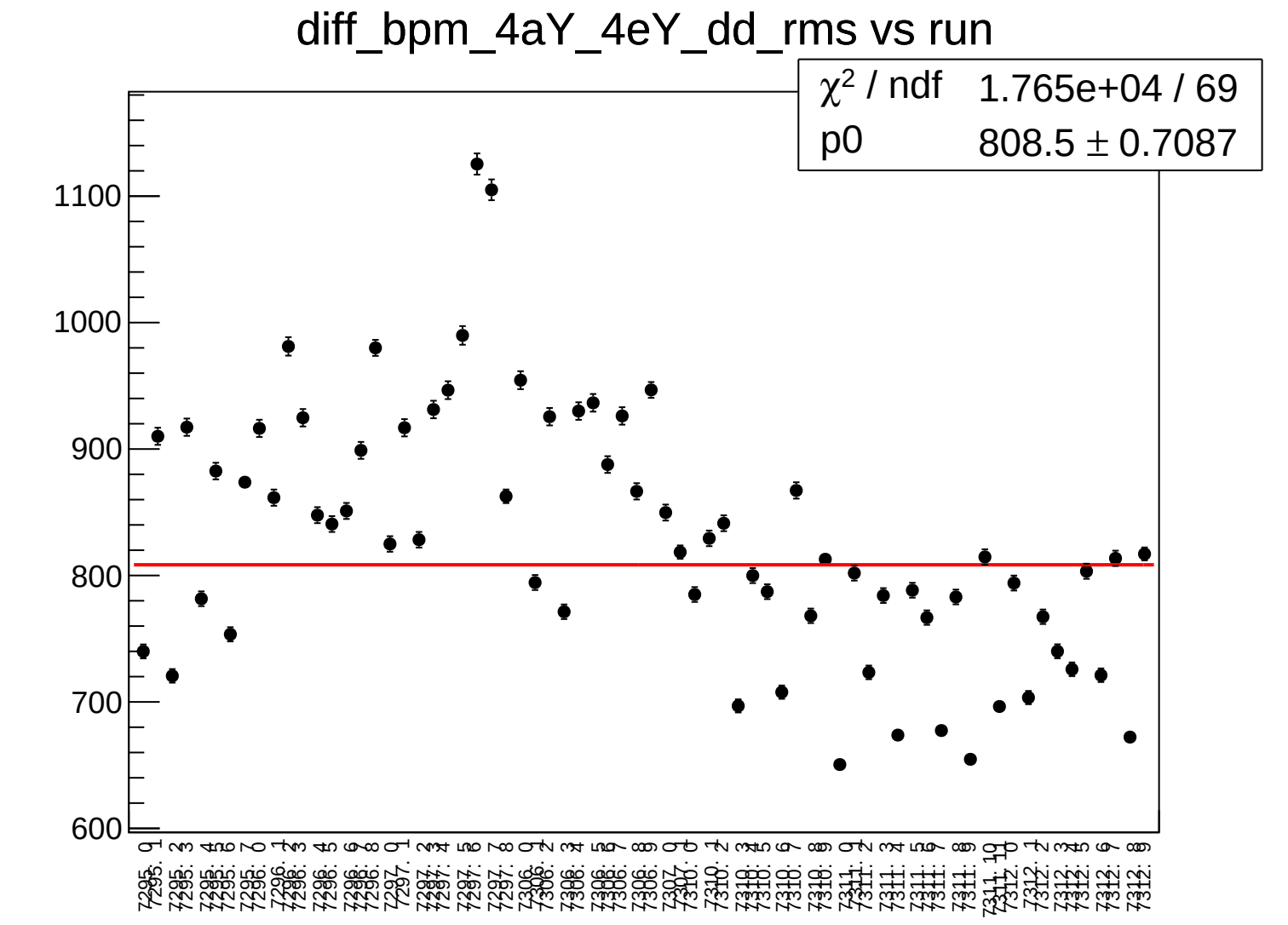

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 55.51 / 69
p0 5.161 ± 7.99
pull
Entries 70
Mean −1354
Std Dev 0

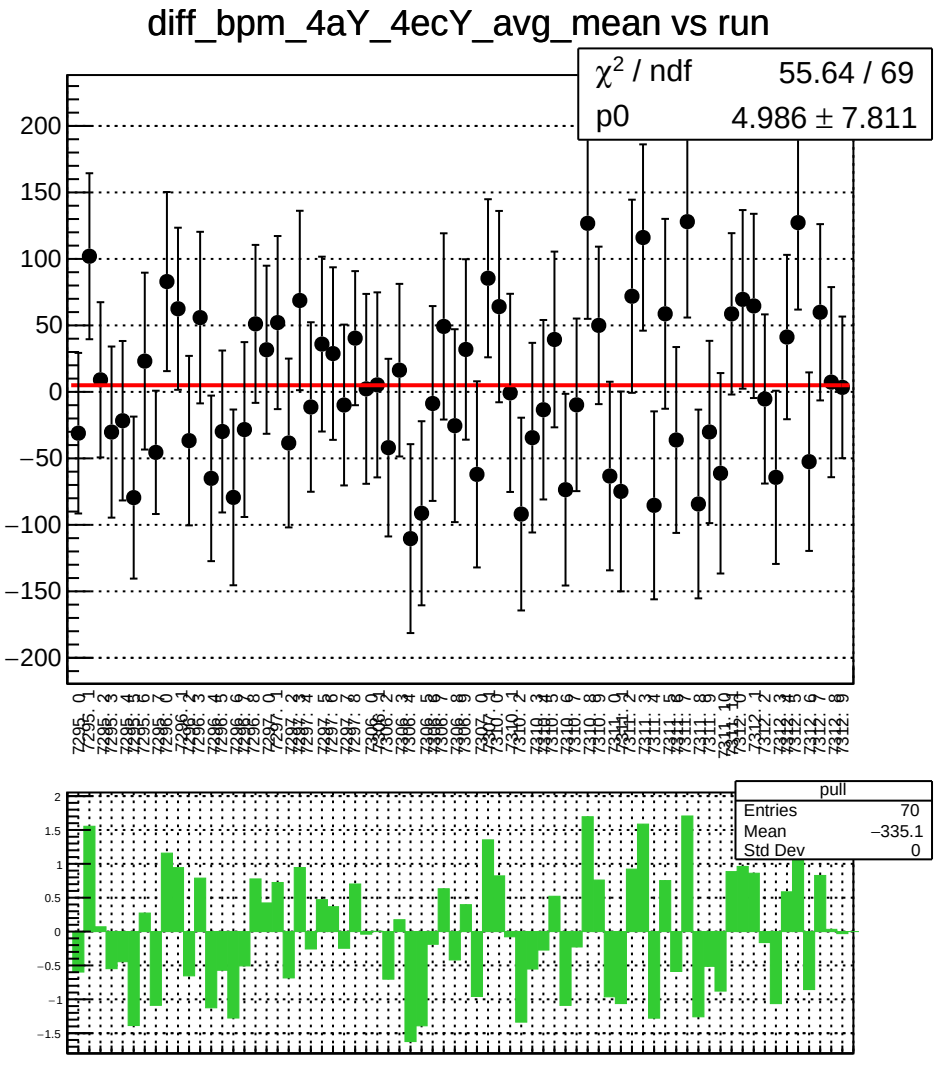

pull1D
Entries 70
Mean −0.001745
Std Dev 0.8905

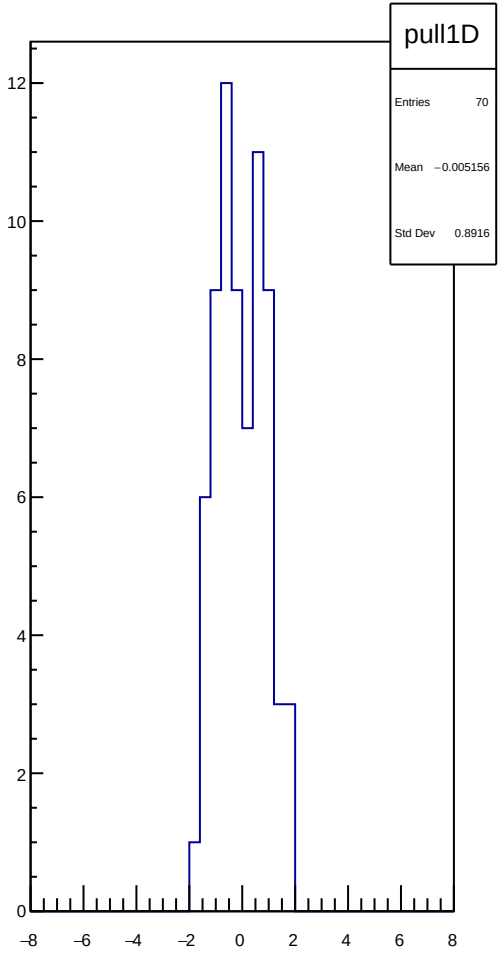

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5448 / 69
p0 6476 ± 5.65
7500
7000
6500
6000
5500

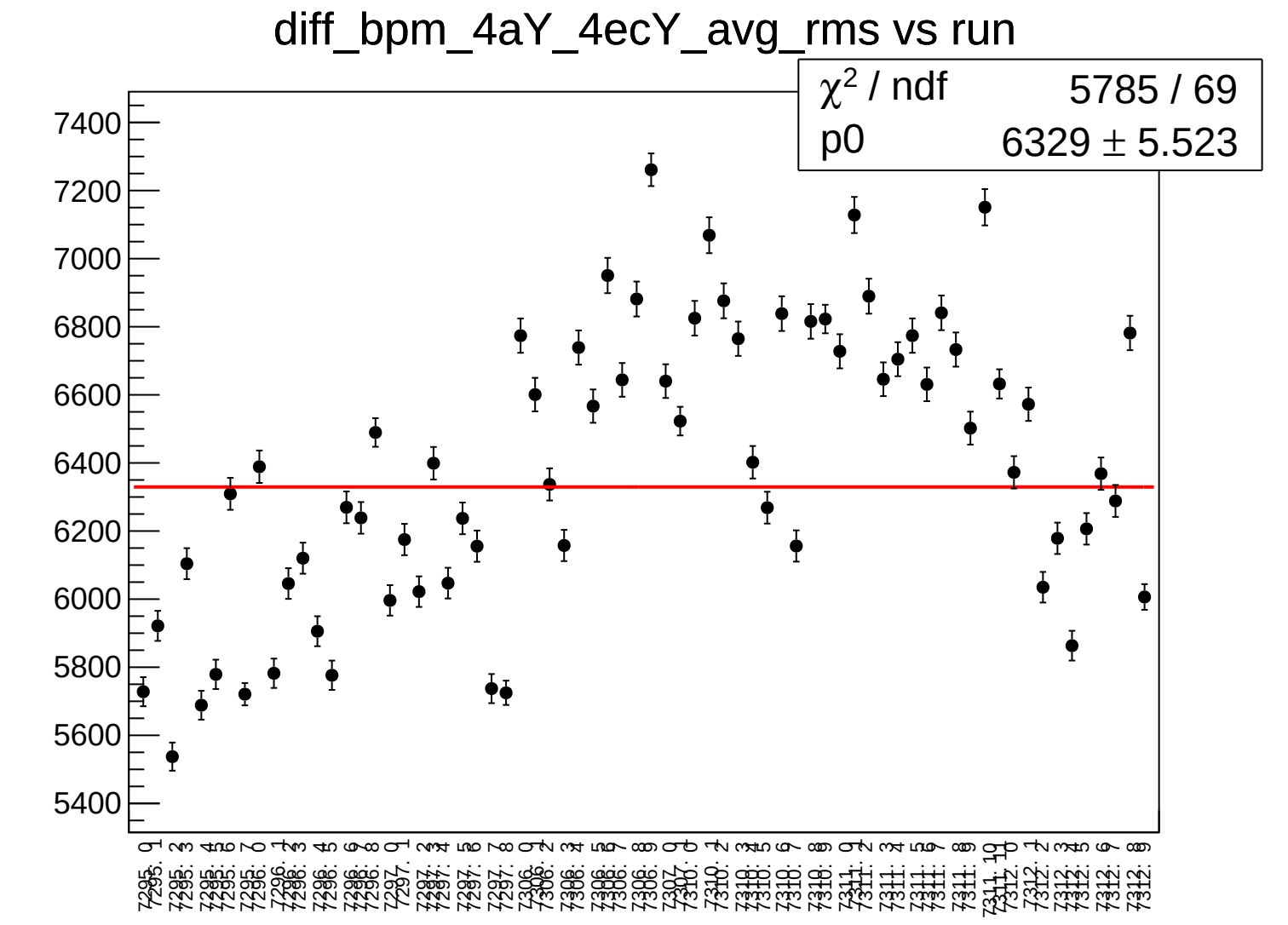

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 54.54 / 69
p0 0.8038 ± 1.002
pull
Entries 70
Mean −27.33
Std Dev 133.2

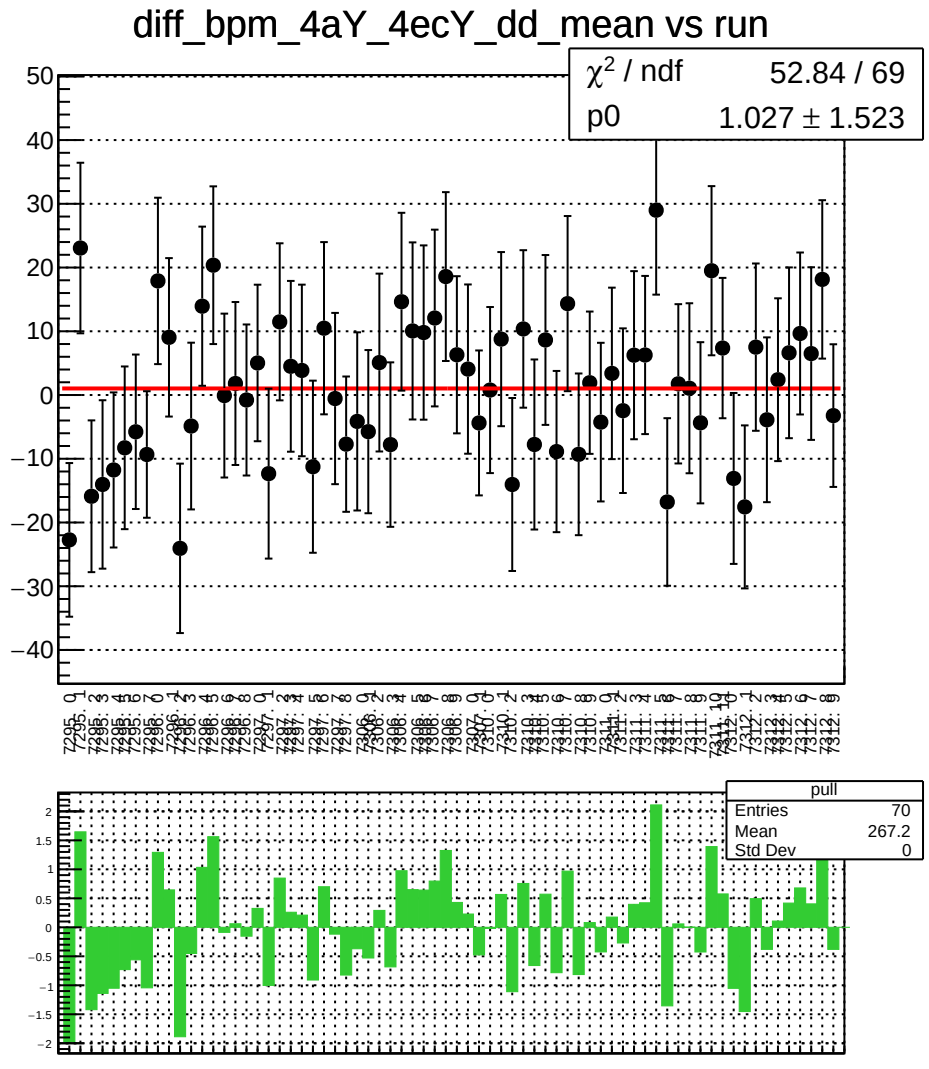

pull1D
Entries 70
Mean −0.001633
Std Dev 0.8827

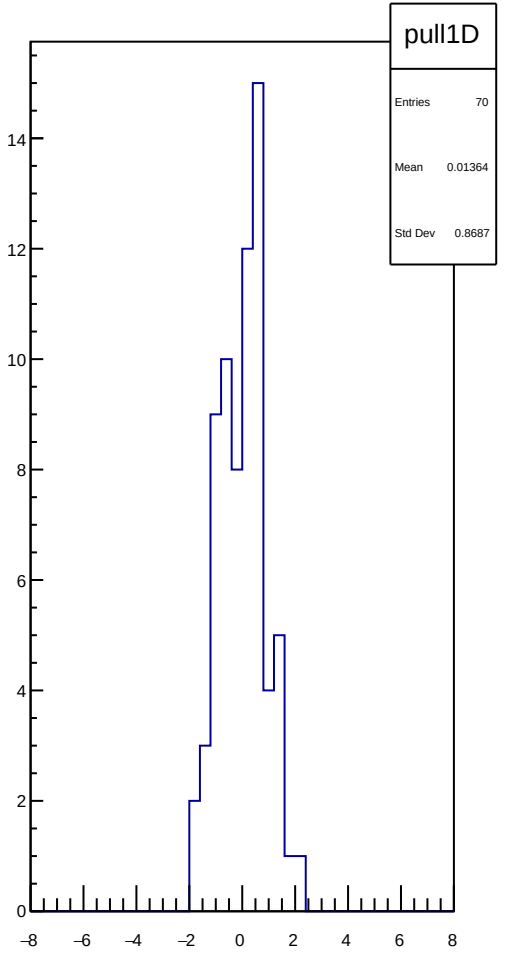

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 1.765e+04 / 69
p0 808.5 ± 0.7087
1100
1000
900
800
700
600

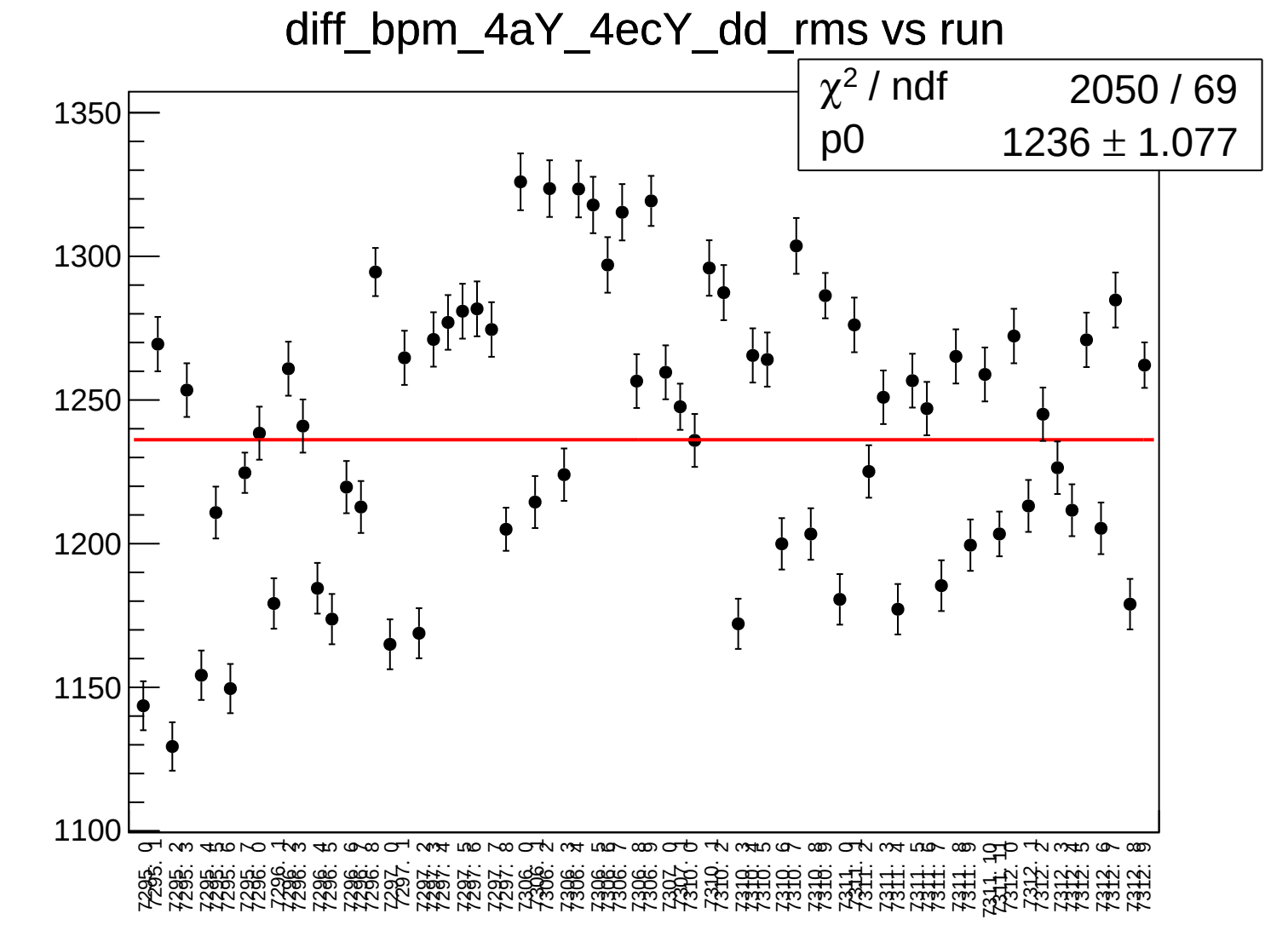

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 55.64 / 69
p0 4.986 ± 7.811
pull
Entries 70
Mean −335.1
Std Dev 0

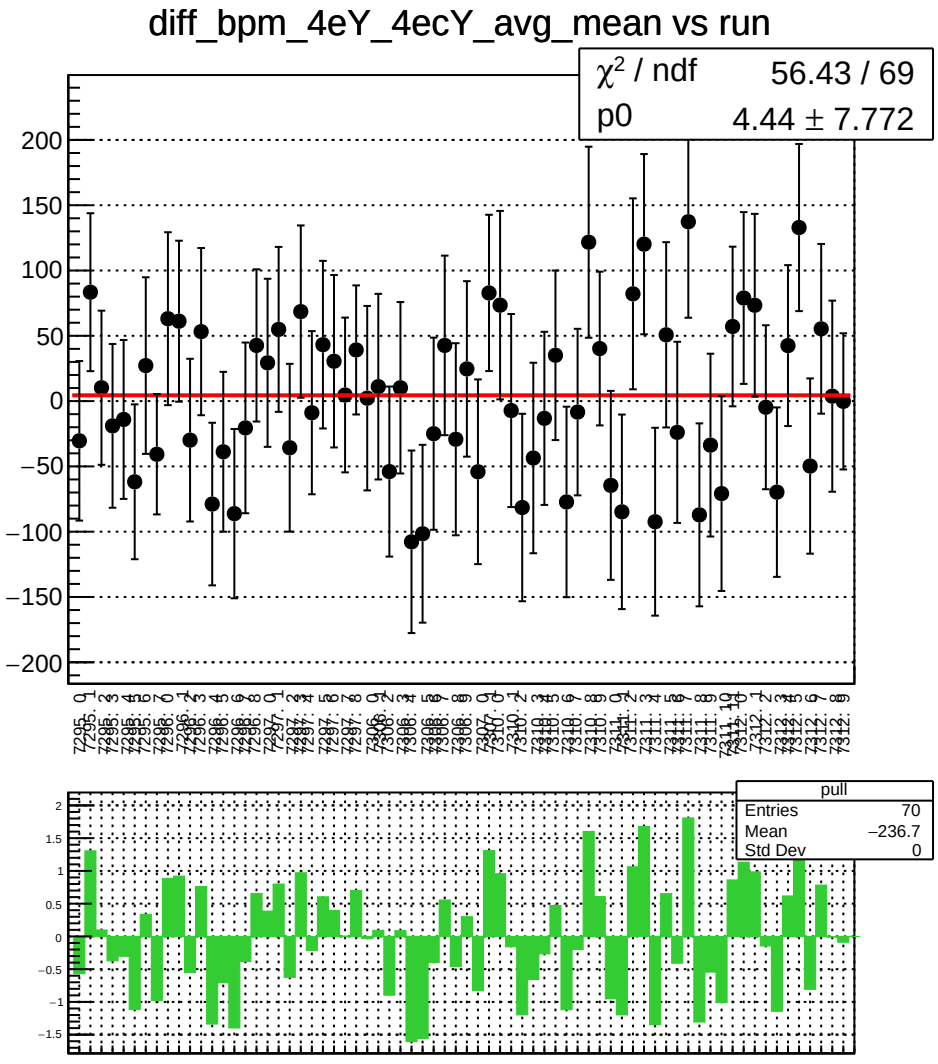

pull1D
Entries 70
Mean −0.005156
Std Dev 0.8916

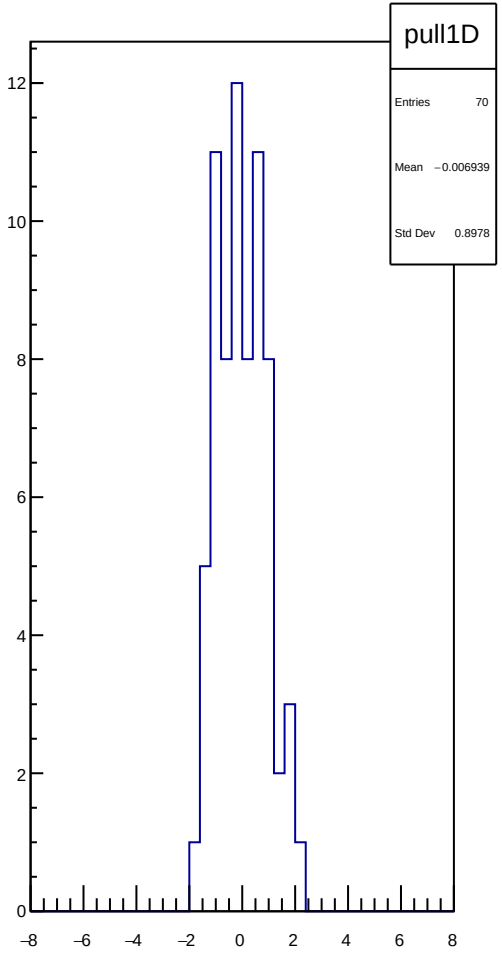

diff_bpm_4aY_4ecY_avg_rms vs run
χ^2 / ndf 5785 / 69
p0 6329 ± 5.523
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

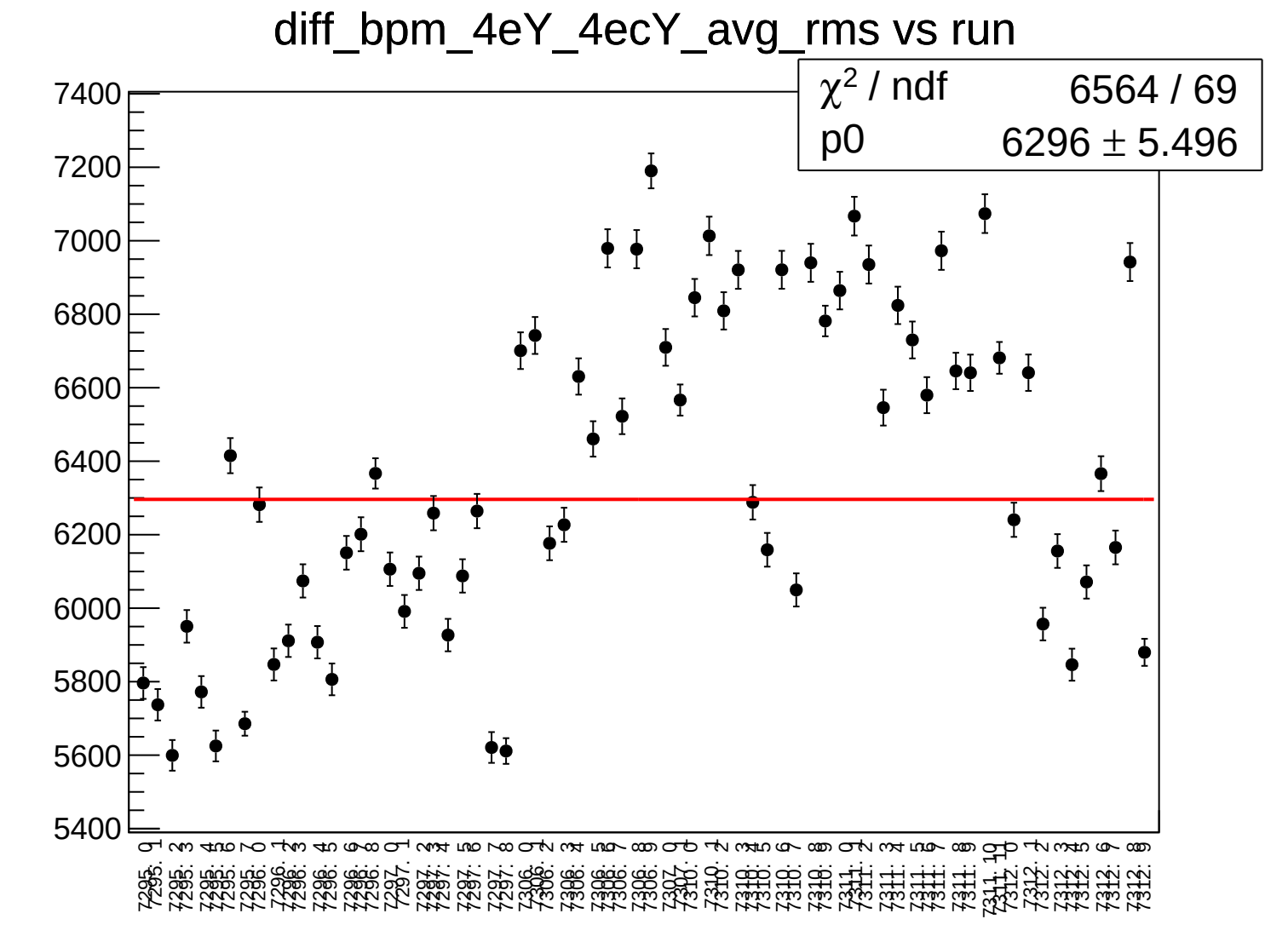

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 52.84 / 69
p0 1.027 ± 1.523
pull
Entries 70
Mean 267.2
Std Dev 0

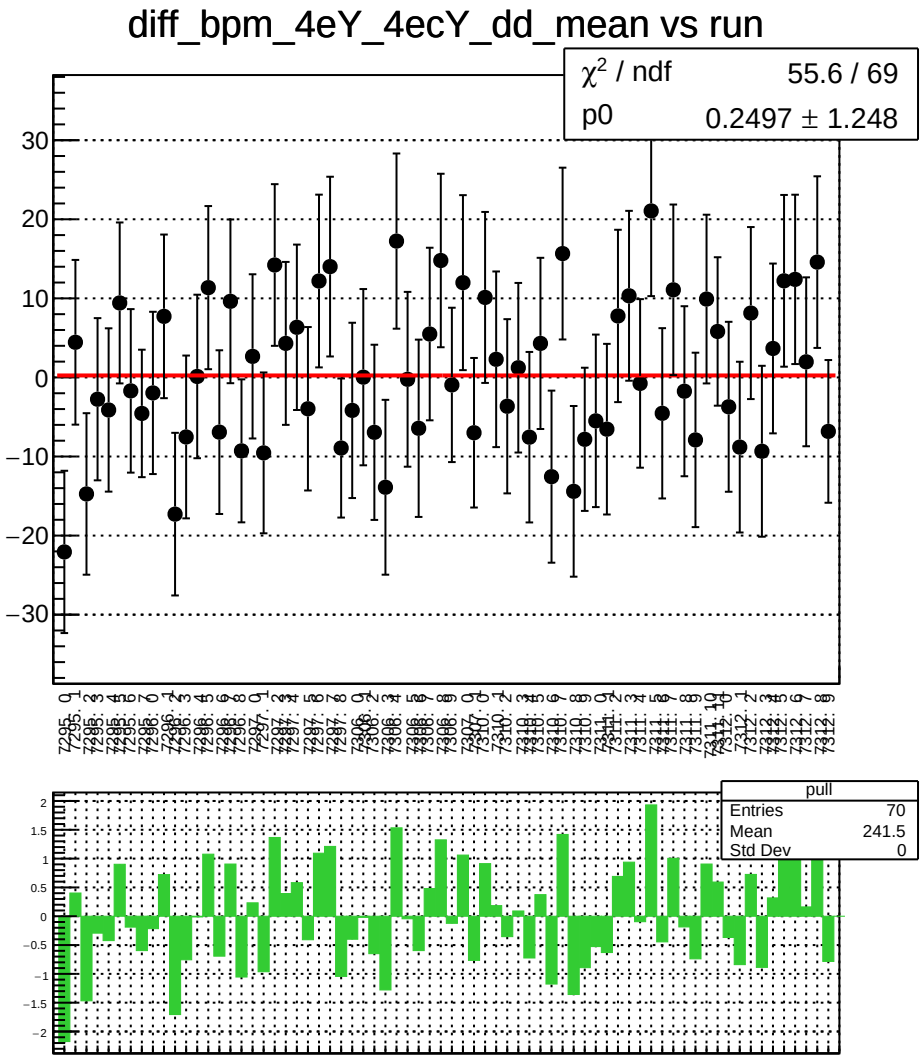

pull1D
Entries 70
Mean 0.01364
Std Dev 0.8687

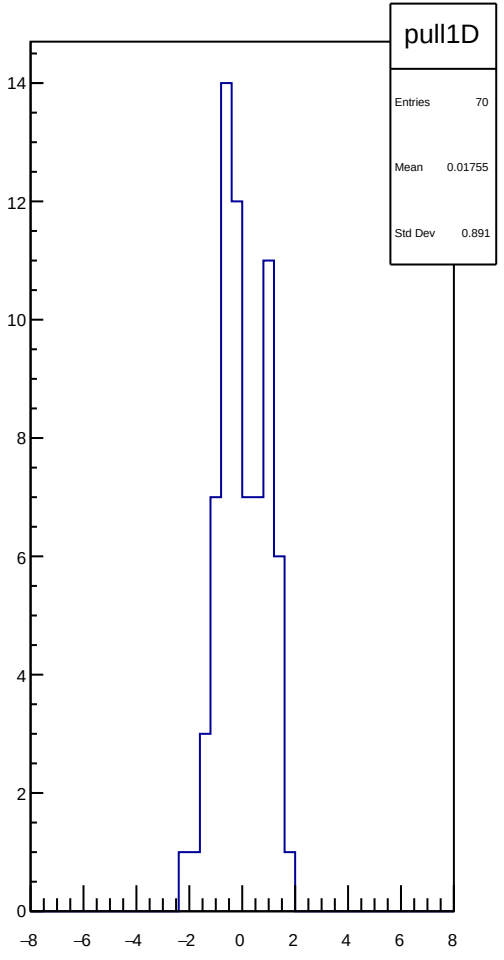

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 2050 / 69
p0 1236 ± 1.077
1350
1300
1250
1200
1150
1100

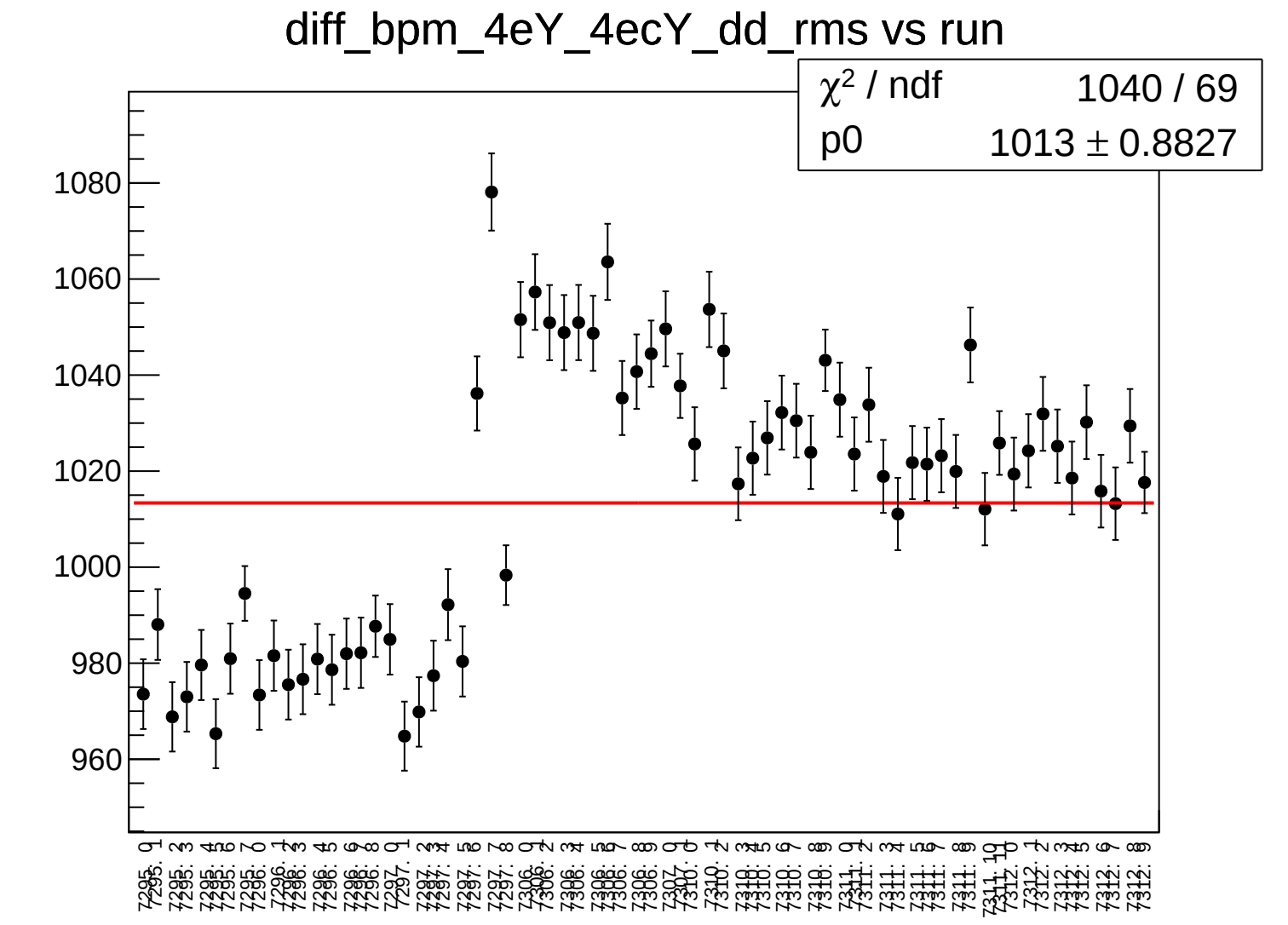

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 56.43 / 69
p0 4.44 ± 7.772
pull
Entries 70
Mean −236.7
Std Dev 0

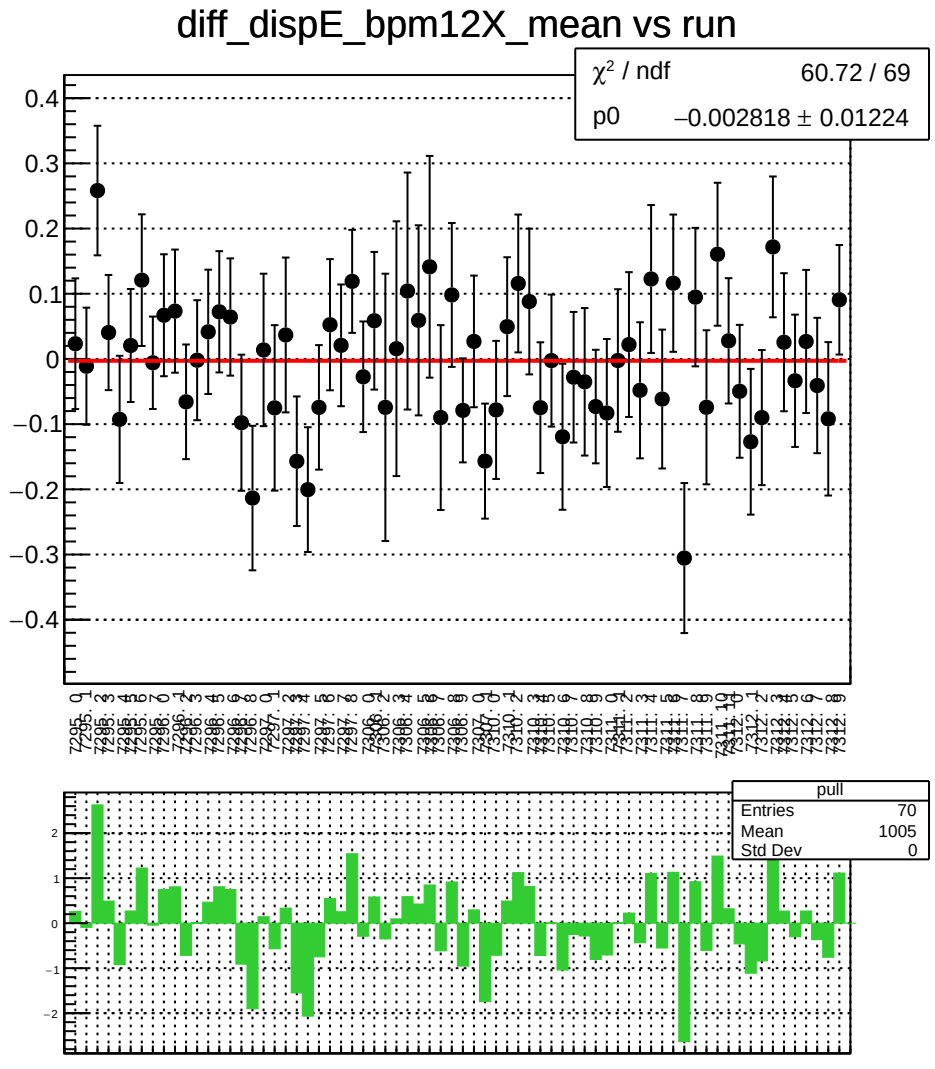

pull1D
Entries 70
Mean −0.006939
Std Dev 0.8978

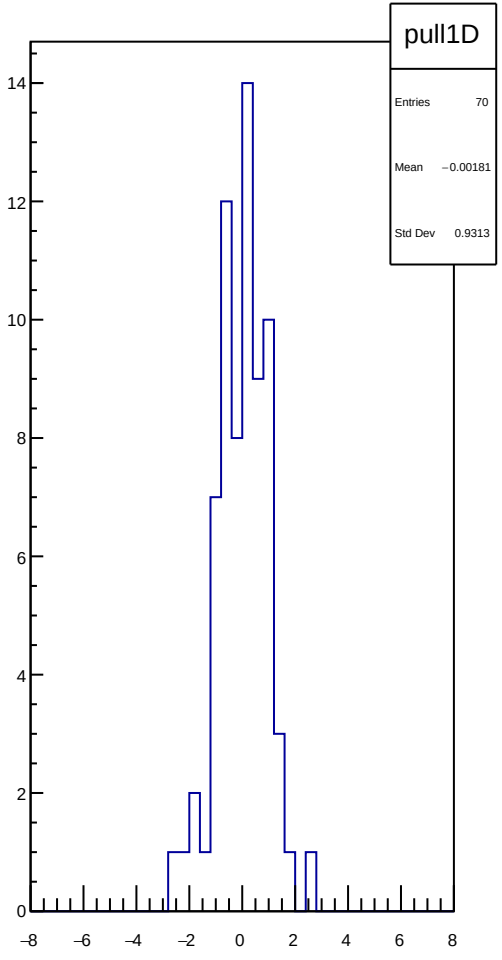

diff_bpm_4eY_4ecY_avg_rms vs run
χ^2 / ndf 6564 / 69
p0 6296 ± 5.496
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

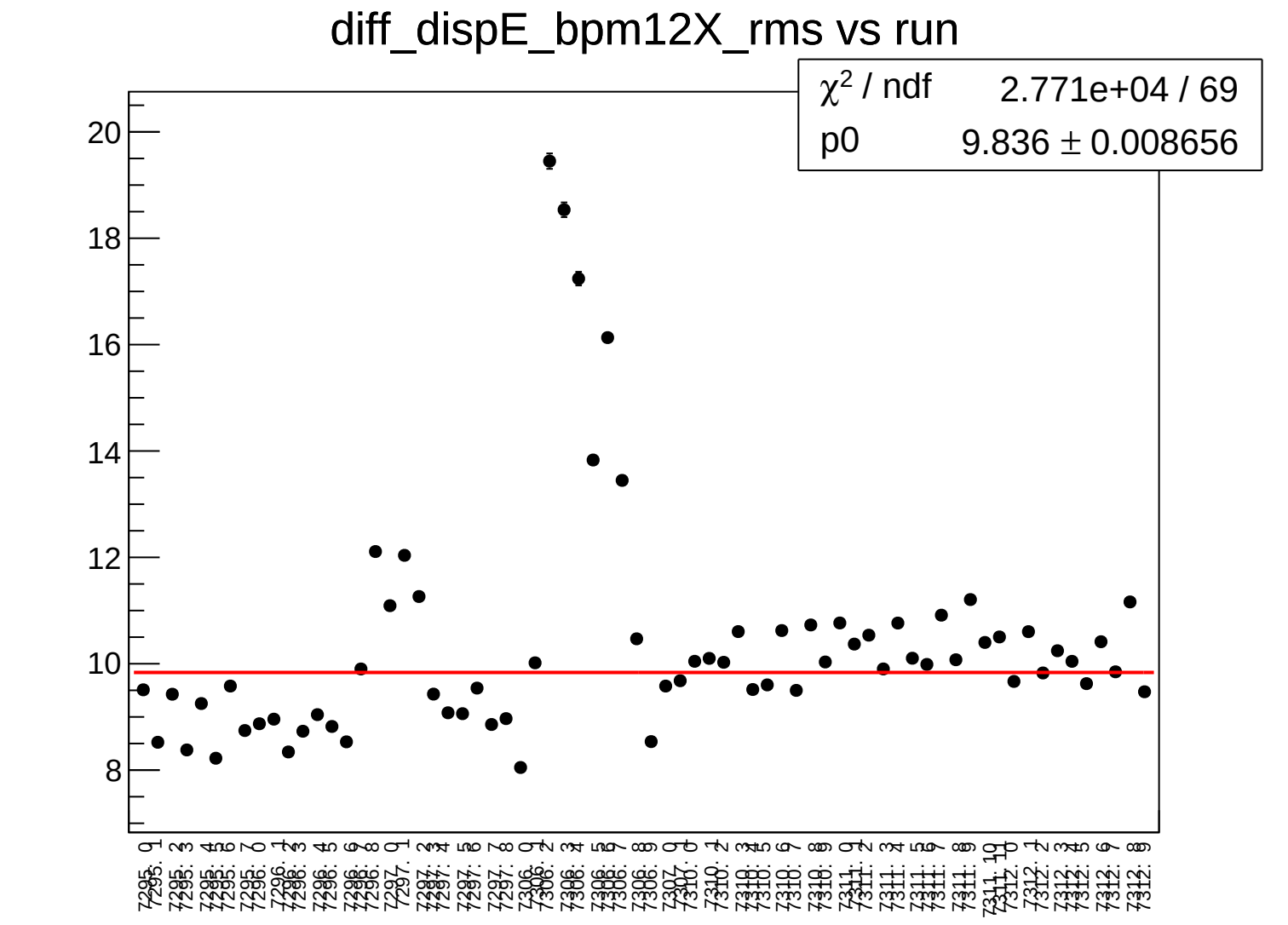

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 55.6 / 69
p0 0.2497 ± 1.248
pull
Entries 70
Mean 241.5
Std Dev 0

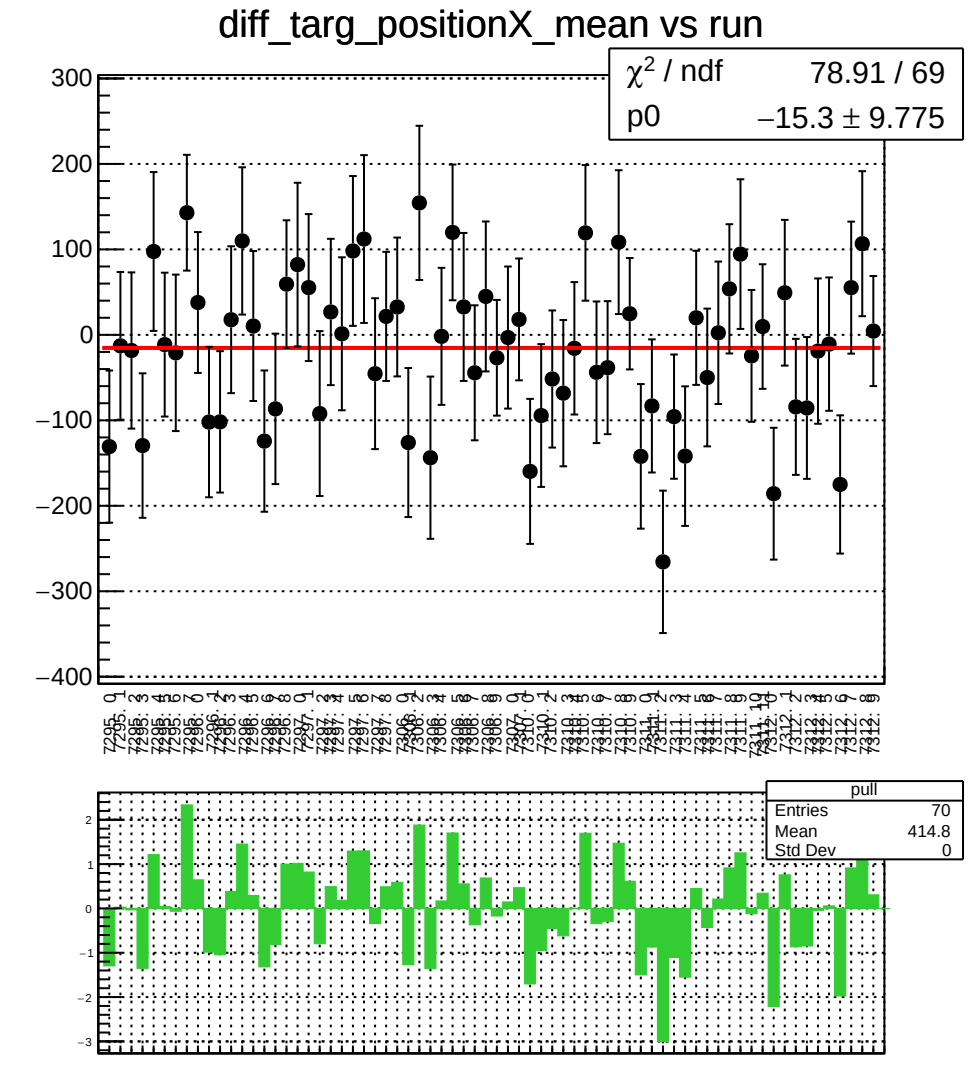

pull1D
Entries 70
Mean 0.01755
Std Dev 0.891

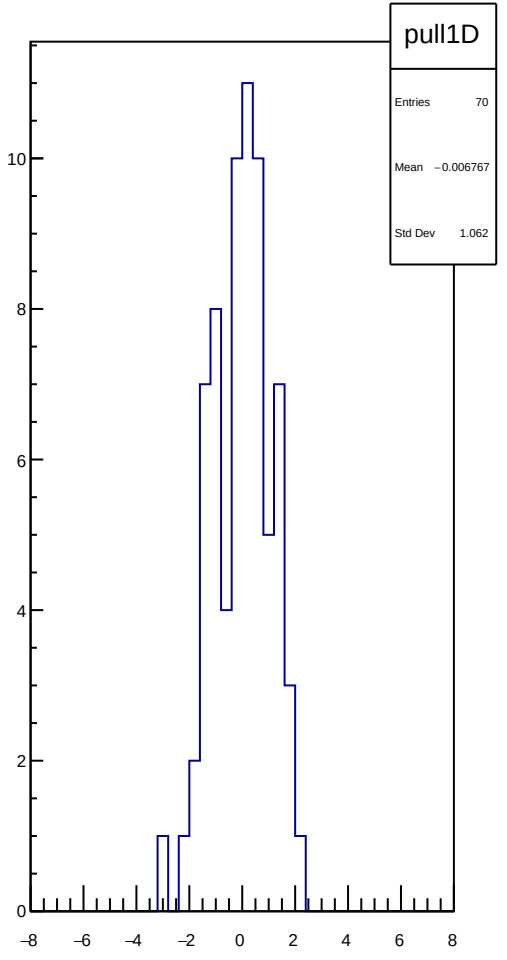

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 1040 / 69
p0 1013 ± 0.8827
1080
1060
1040
1020
1000
980
960

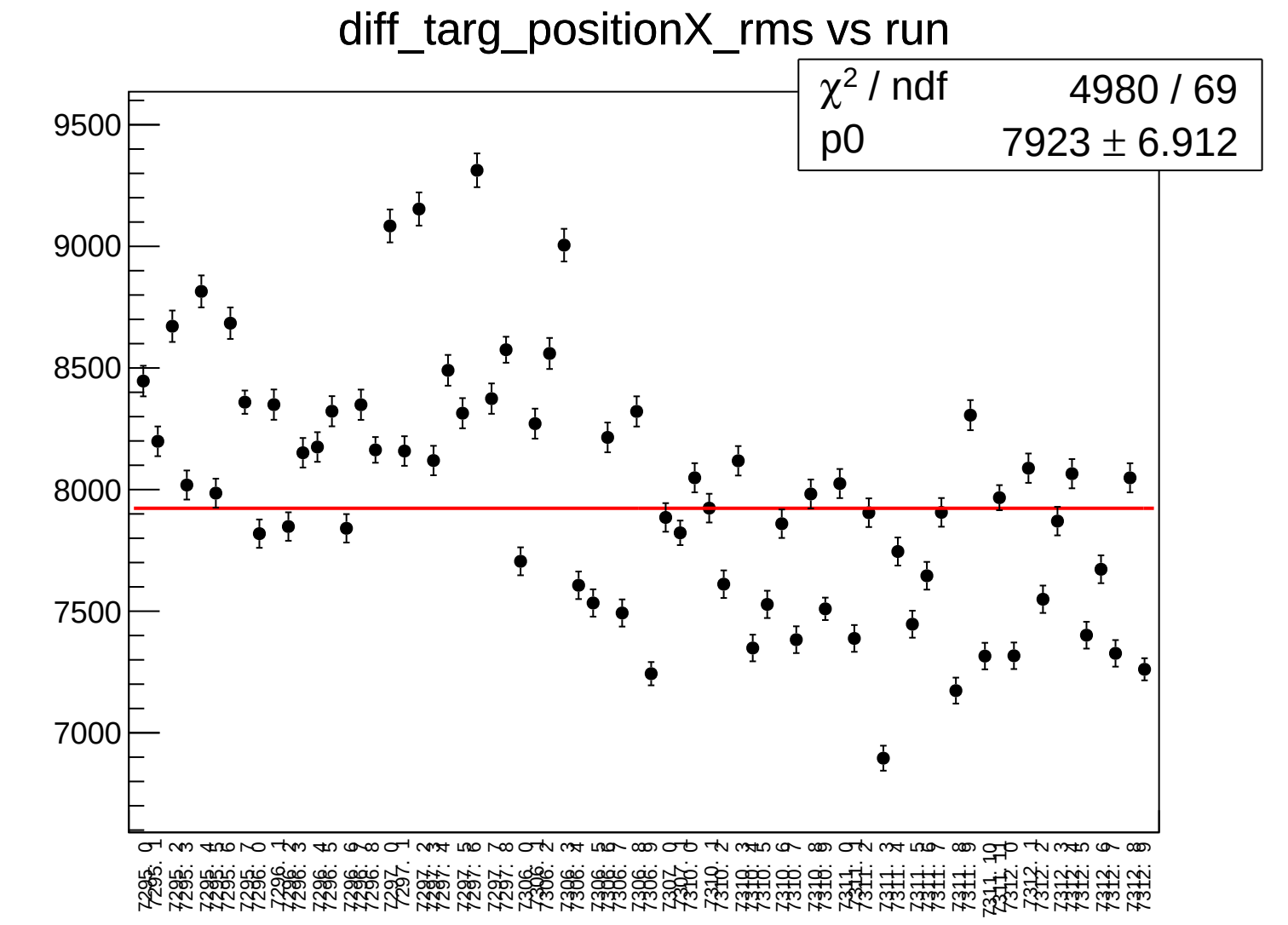

diff_dispE_bpm12X_mean vs run
χ² / ndf 60.72 / 69
p0 −0.002818 ± 0.01224
pull
Entries 70
Mean 1005
Std Dev 0

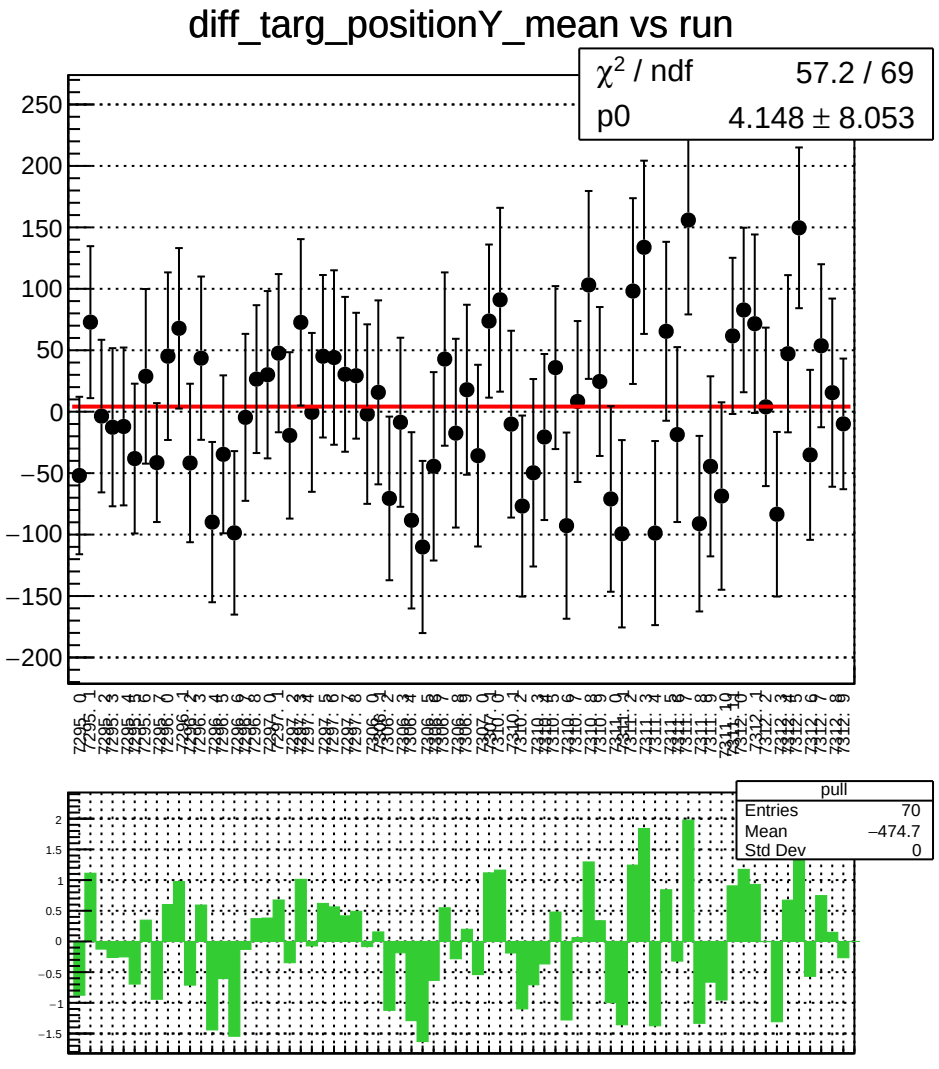

pull1D
Entries 70
Mean −0.00181
Std Dev 0.9313

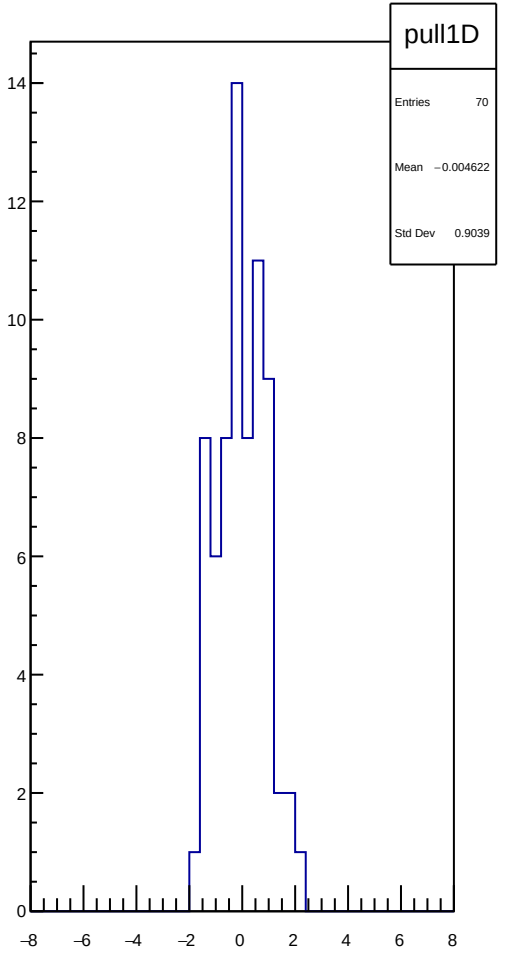

diff_dispE_bpm12X_rms vs run
χ² / ndf 2.771e+04 / 69
p0 9.836 ± 0.008656
20
18
16
14
12
10
8

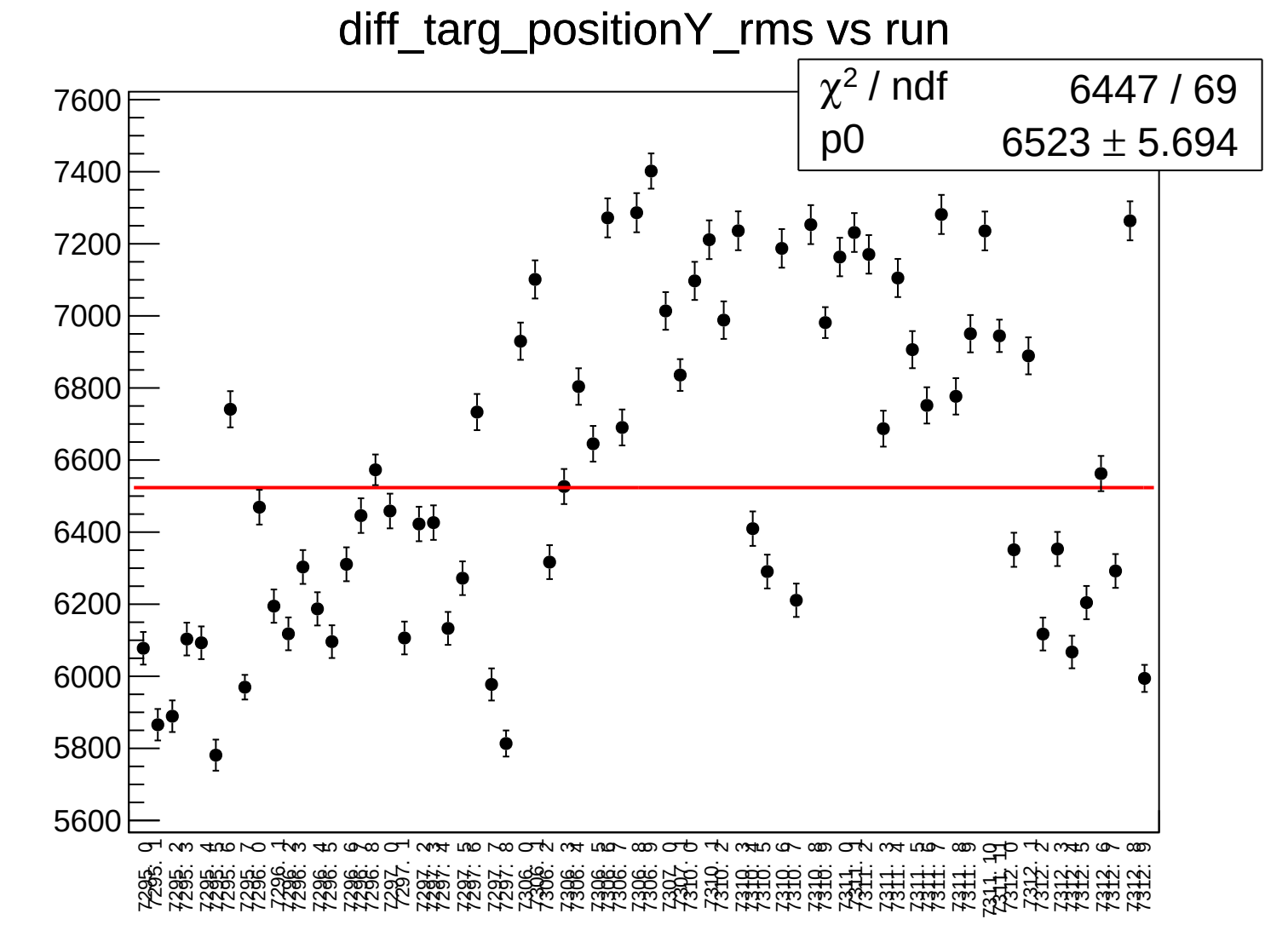

diff_targ_positionX_mean vs run
χ² / ndf 78.91 / 69
p0 −15.3 ± 9.775
pull
Entries 70
Mean 414.8
Std Dev 0

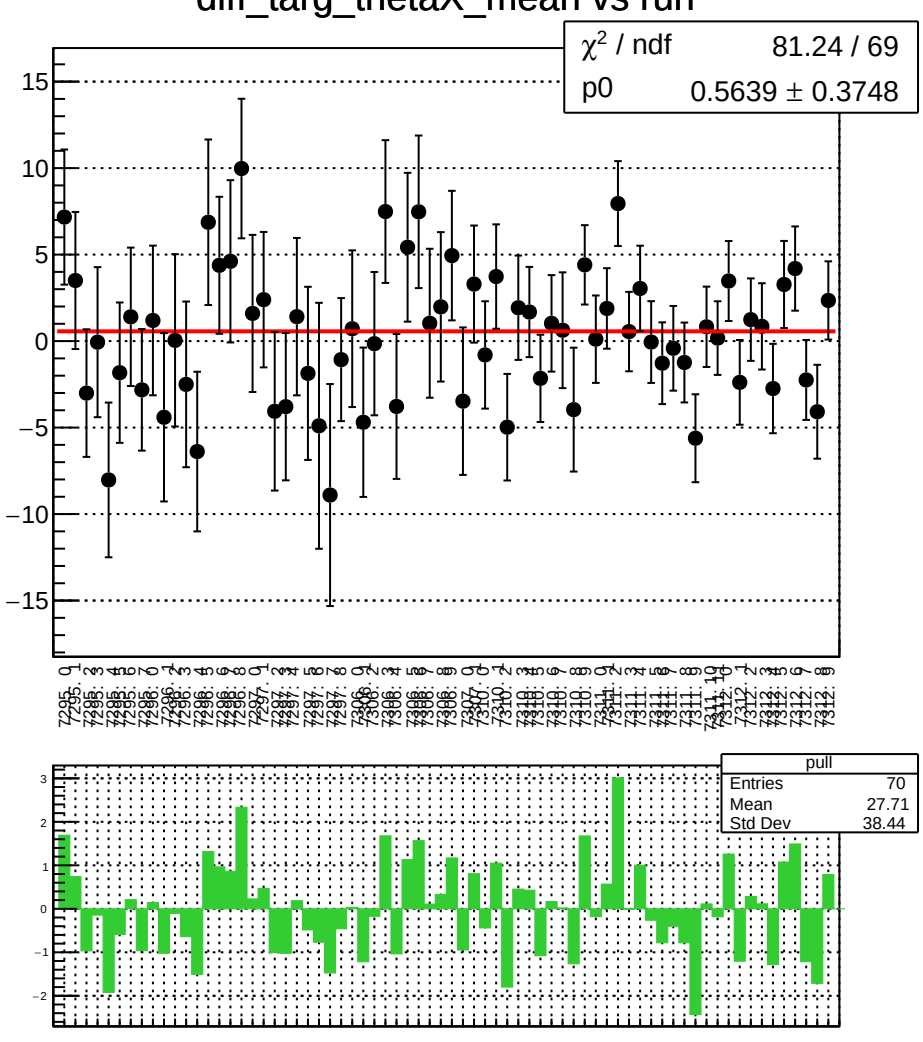

pull1D
Entries 70
Mean −0.006767
Std Dev 1.062

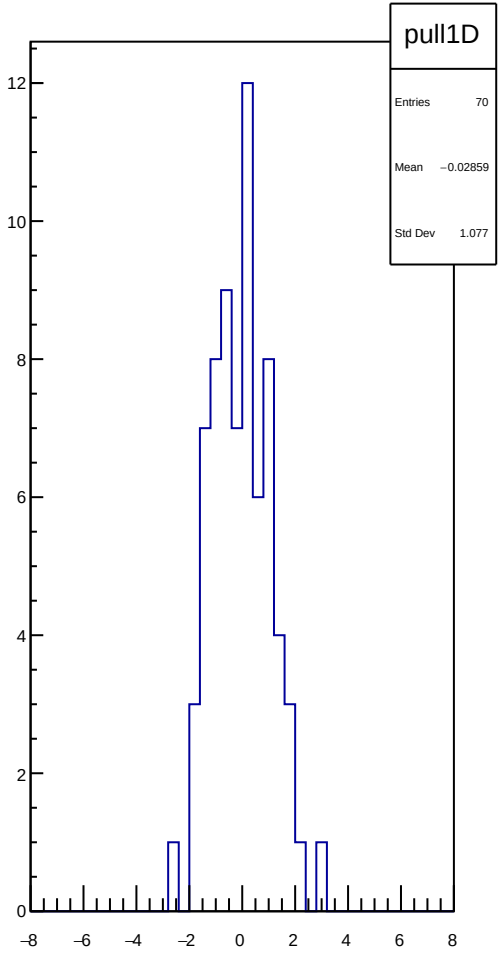

diff_targ_positionX_rms vs run
χ^2 / ndf 4980 / 69
p0 7923 ± 6.912
9500
9000
8500
8000
7500
7000

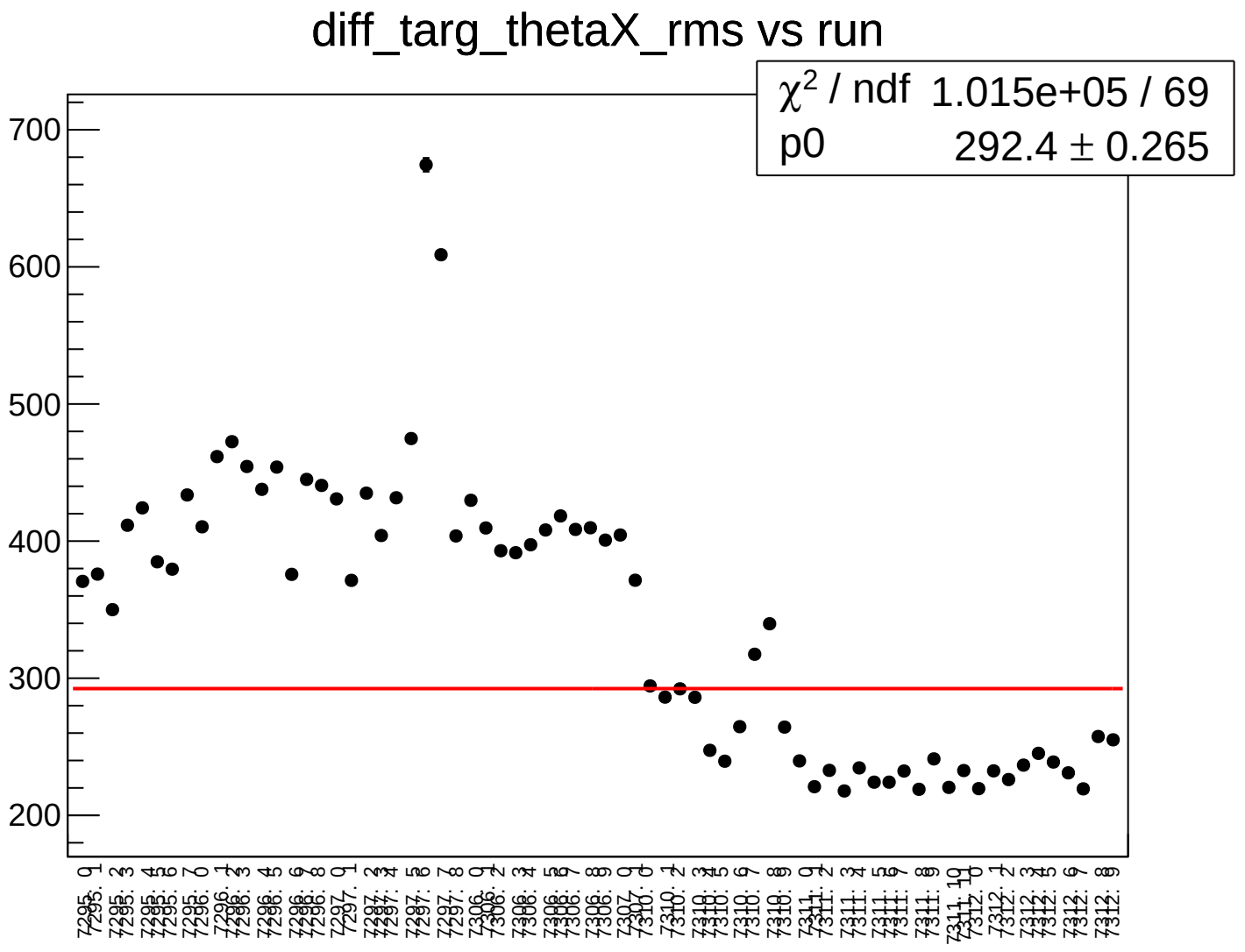

diff_targ_positionY_mean vs run
χ² / ndf 57.2 / 69
p0 4.148 ± 8.053
pull
Entries 70
Mean −474.7
Std Dev 0

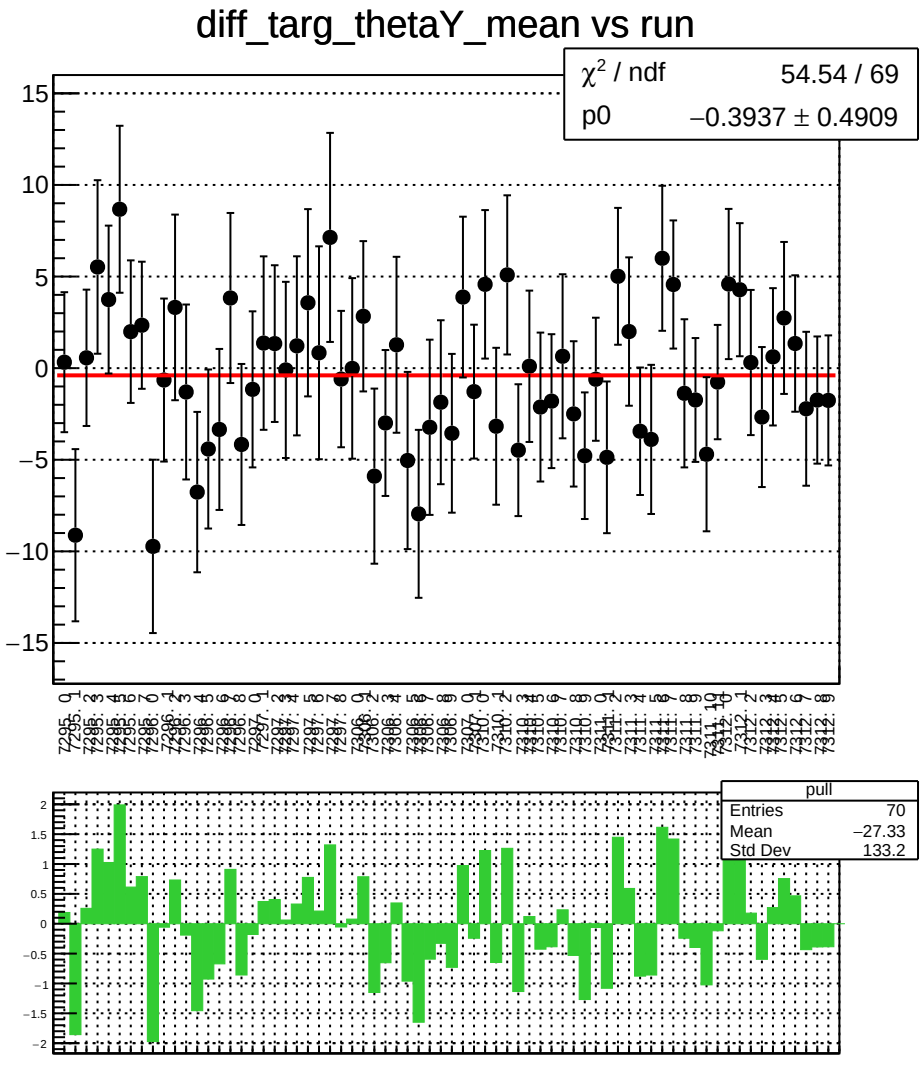

pull1D
Entries 70
Mean −0.004622
Std Dev 0.9039

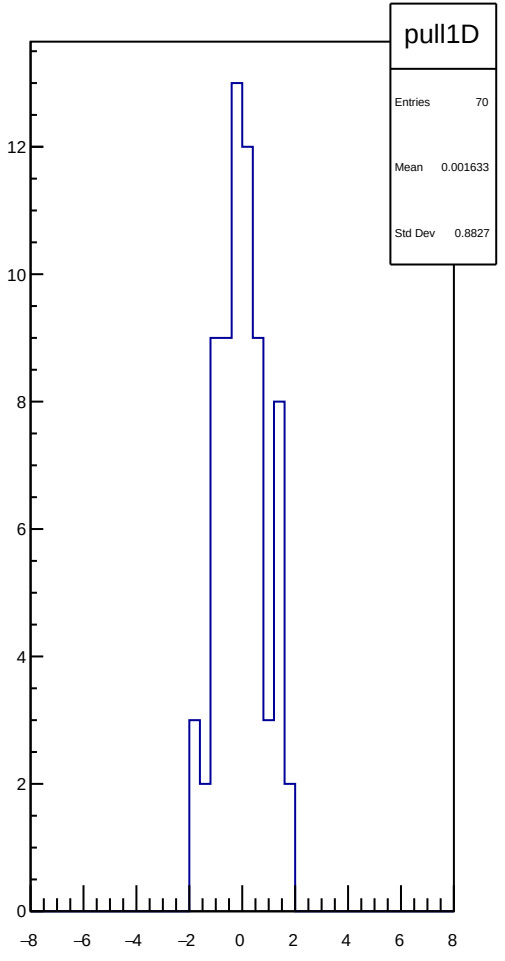

diff_targ_positionY_rms vs run
χ^2 / ndf 6447 / 69
p0 6523 ± 5.694
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

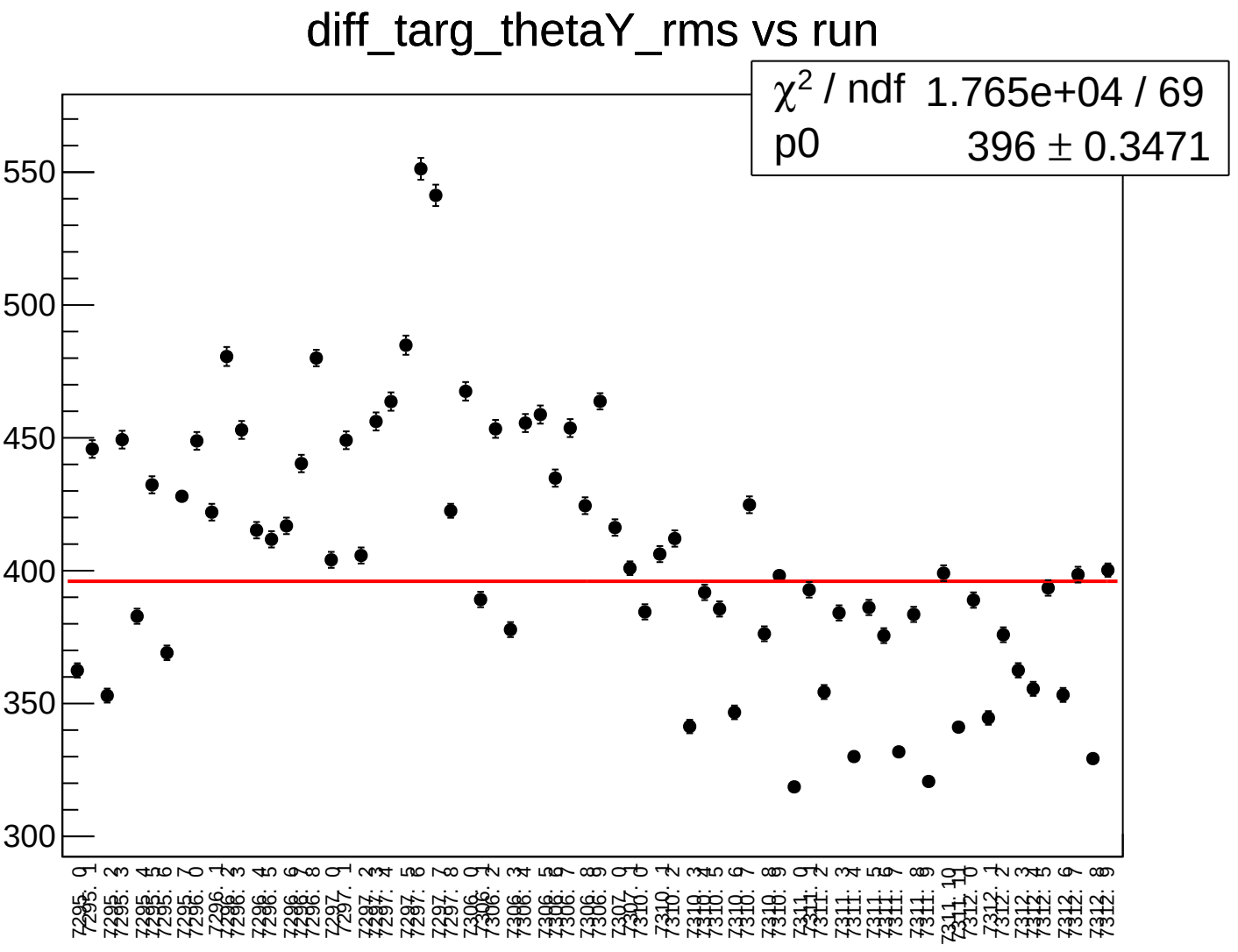

diff_targ_thetaX_mean vs run
χ² / ndf 81.24 / 69
p0 0.5639 ± 0.3748
pull
Entries 70
Mean 27.71
Std Dev 38.44

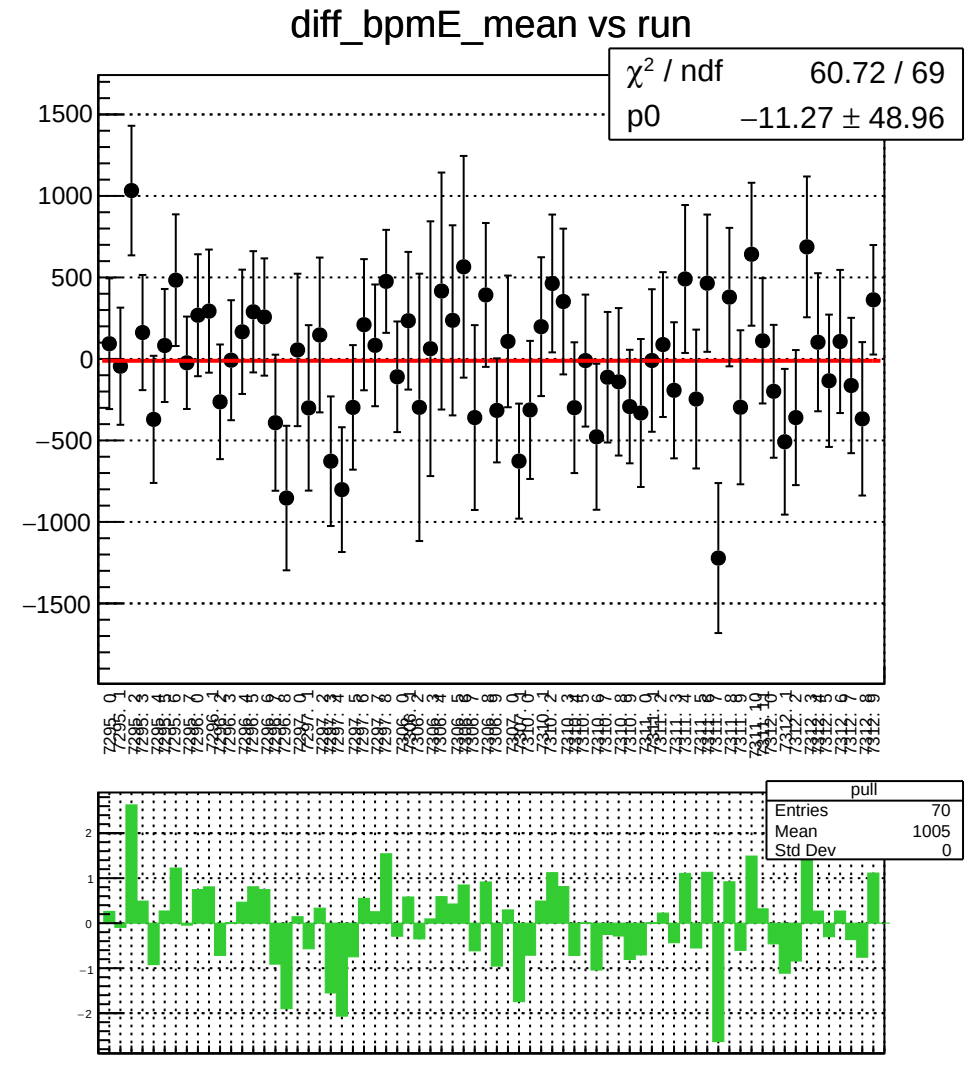

pull1D
Entries 70
Mean −0.02859
Std Dev 1.077

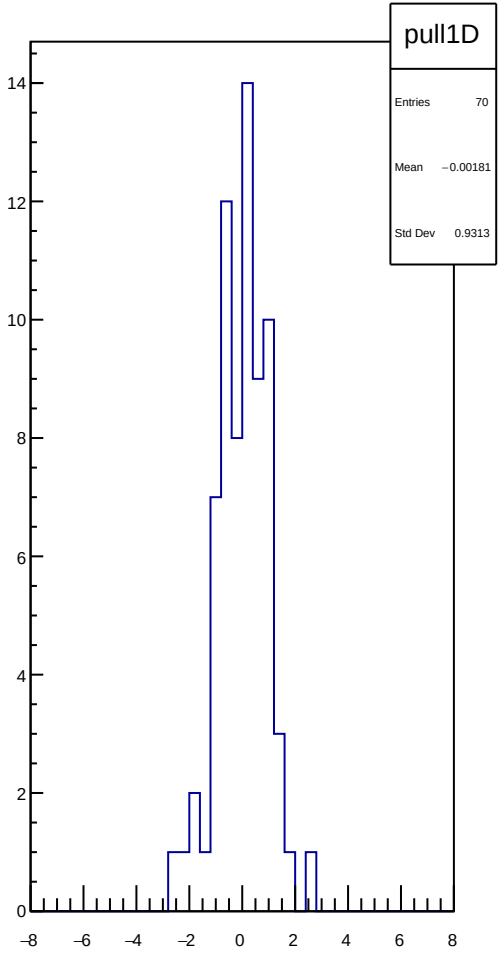

diff_targ_thetaX_rms vs run
χ^2 / ndf 1.015e+05 / 69
p0 292.4 ± 0.265
700
600
500
400
300
200

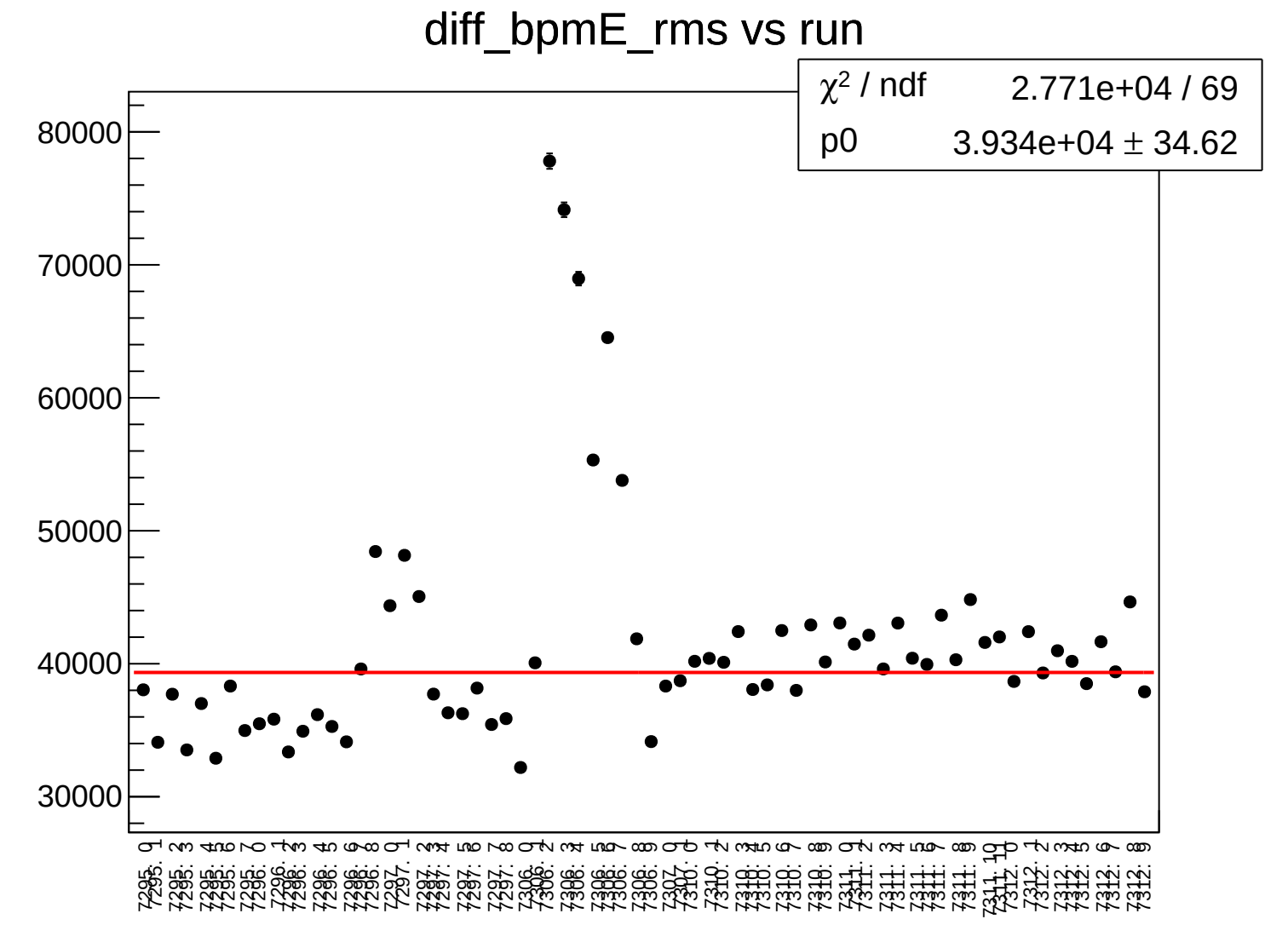

diff_targ_thetaY_mean vs run
χ² / ndf 54.54 / 69
p0 −0.3937 ± 0.4909
pull
Entries 70
Mean −27.33
Std Dev 133.2

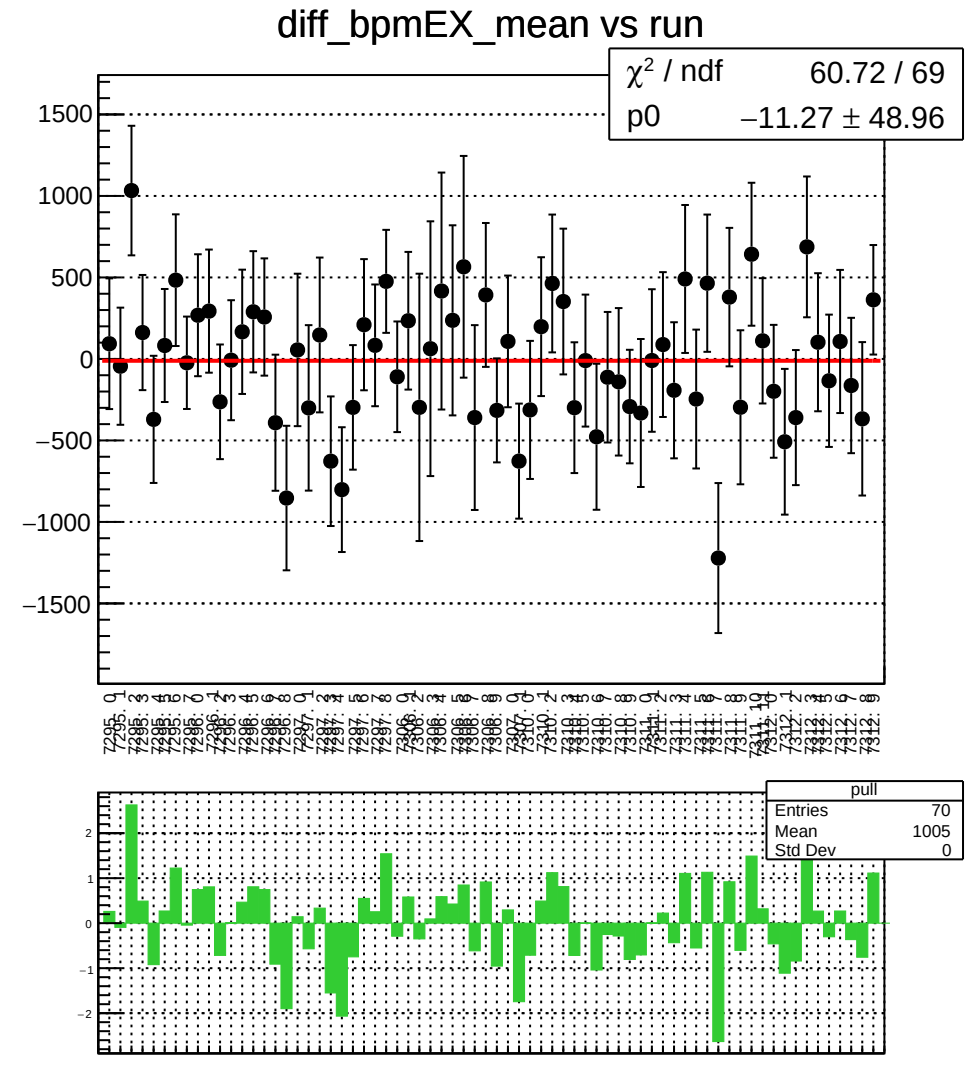

pull1D
Entries 70
Mean 0.001633
Std Dev 0.8827

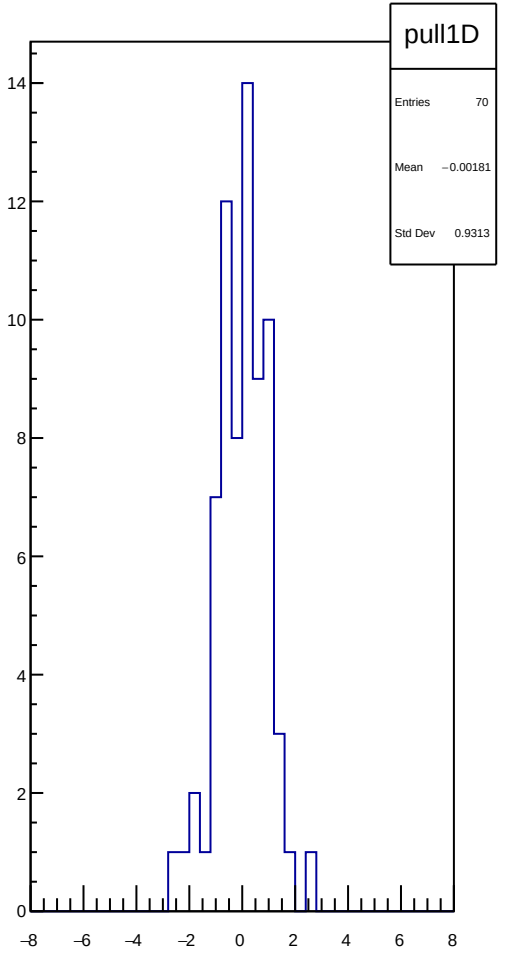

diff_targ_thetaY_rms vs run
χ² / ndf 1.765e+04 / 69
p0 396 ± 0.3471
550
500
450
400
350
300

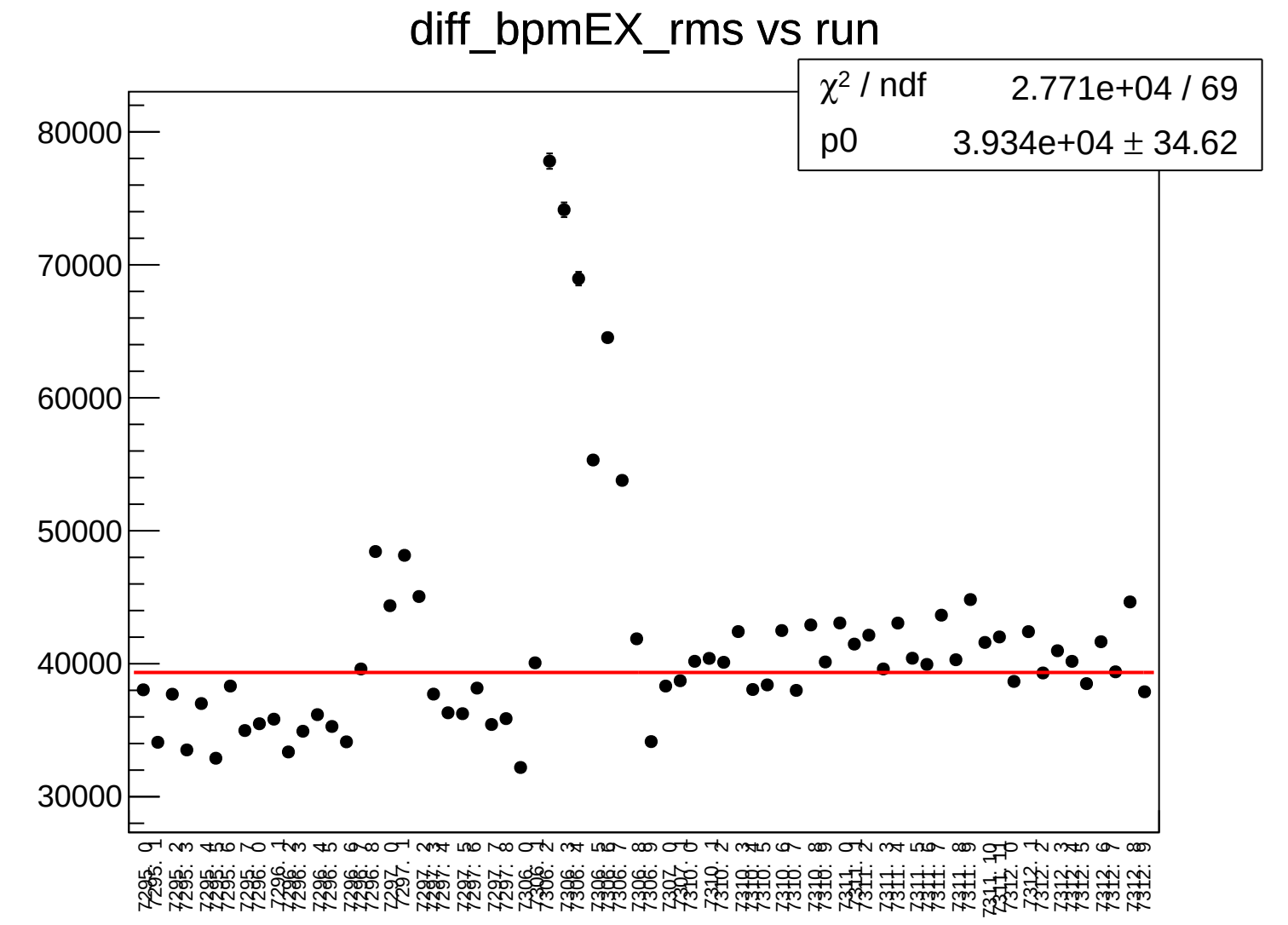

diff_bpmE_mean vs run
χ² / ndf 60.72 / 69
p0 −11.27 ± 48.96
1500
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 1005
Std Dev 0
2
1
0
−1
−2

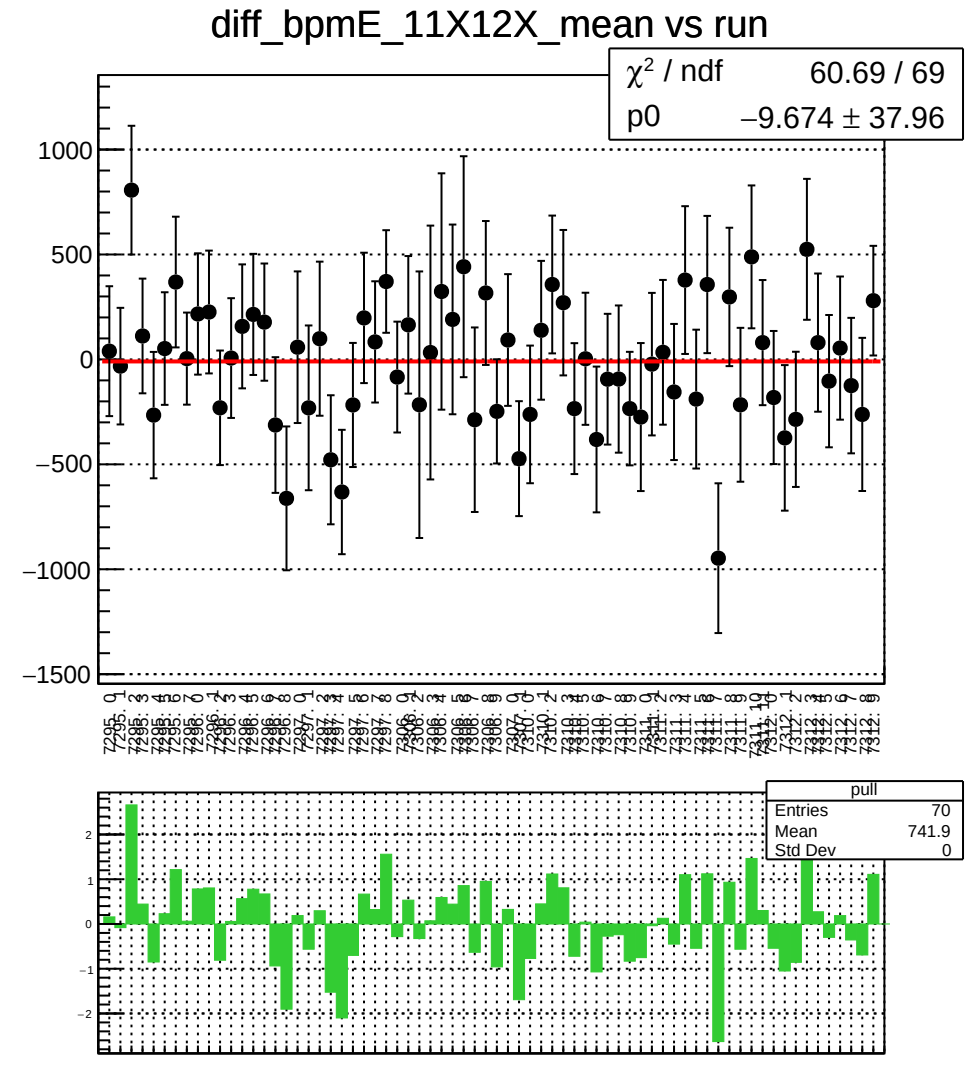

pull1D
Entries 70
Mean −0.00181
Std Dev 0.9313
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

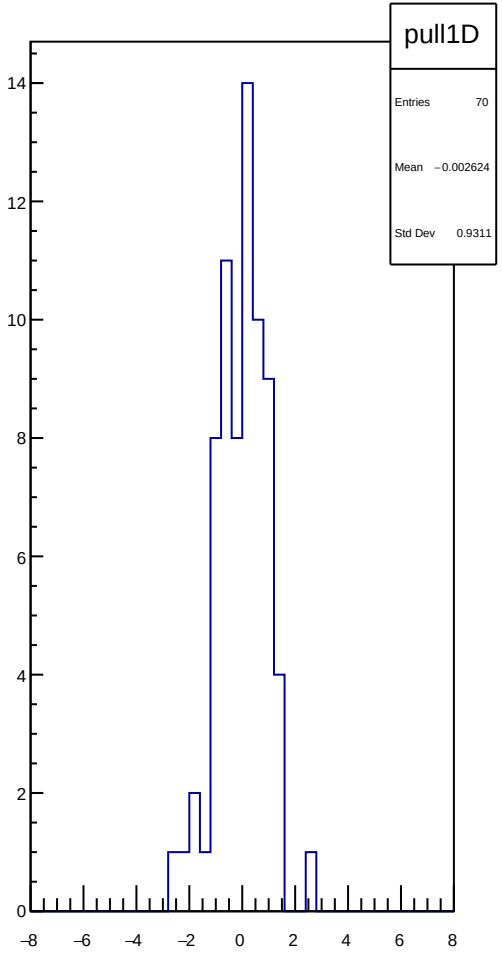

diff_bpmE_rms vs run
χ² / ndf 2.771e+04 / 69
p0 3.934e+04 ± 34.62
80000
70000
60000
50000
40000
30000

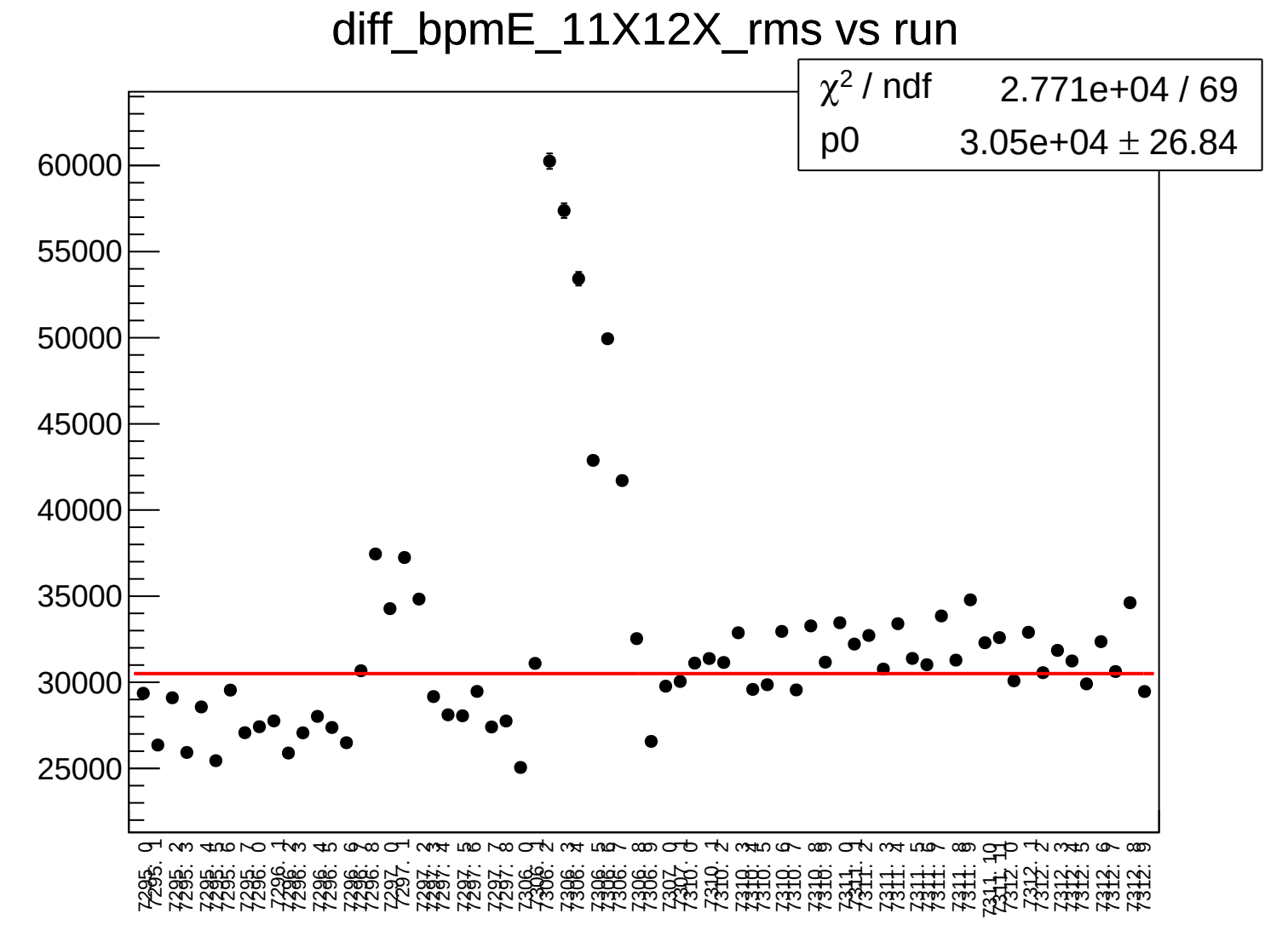

diff_bpmEX_mean vs run
χ² / ndf 60.72 / 69
p0 −11.27 ± 48.96
1500
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 1005
Std Dev 0
2
1
0
−1
−2

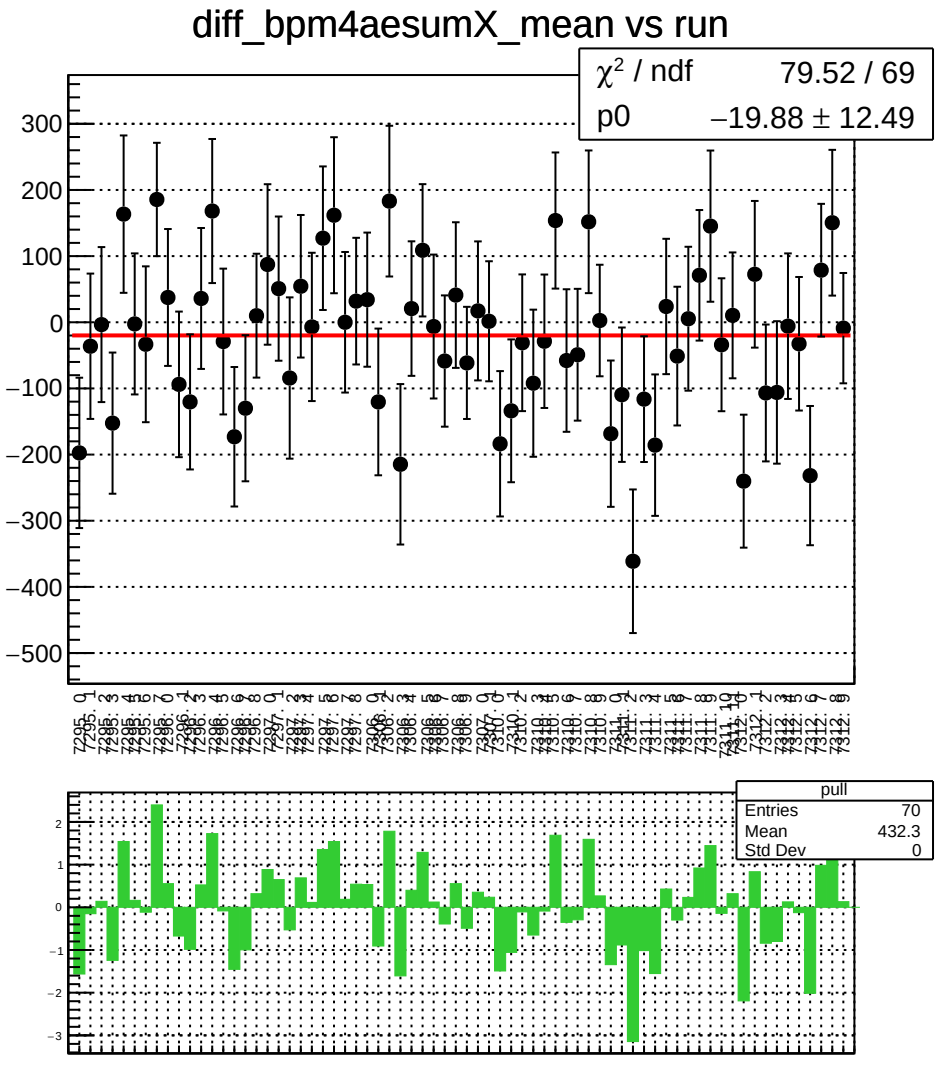

pull1D
Entries 70
Mean −0.00181
Std Dev 0.9313
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

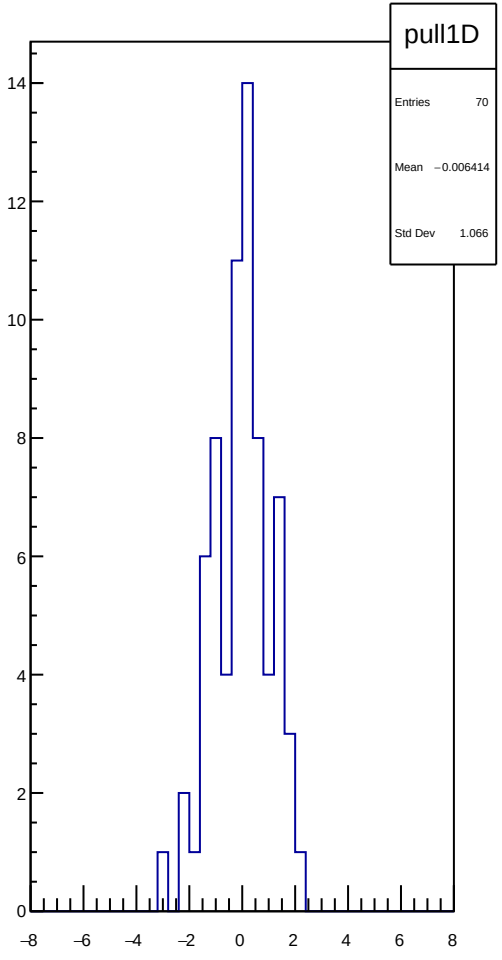

diff_bpmEX_rms vs run
χ² / ndf 2.771e+04 / 69
p0 3.934e+04 ± 34.62
80000
70000
60000
50000
40000
30000

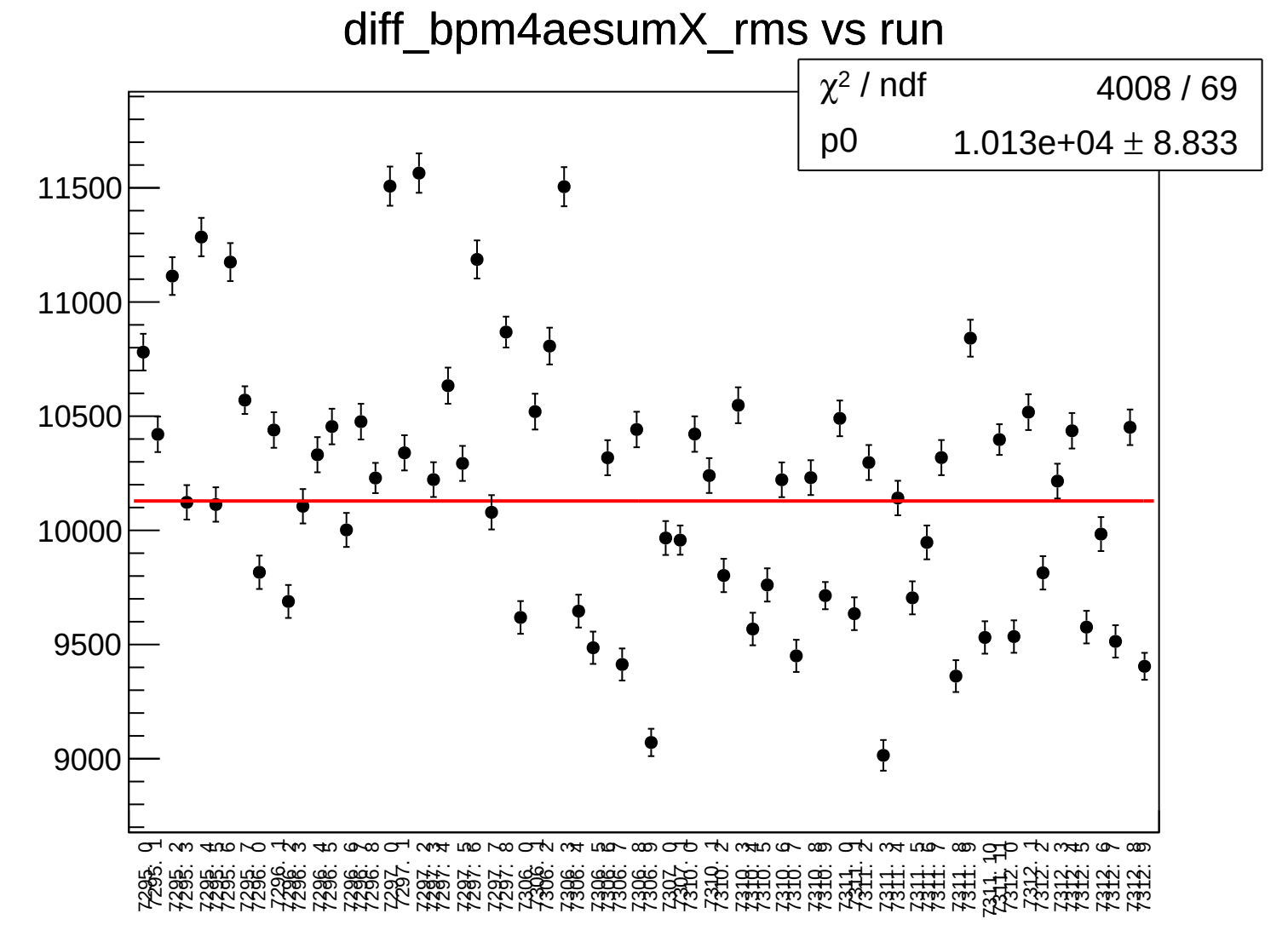

diff_bpmE_11X12X_mean vs run
χ² / ndf 60.69 / 69
p0 −9.674 ± 37.96
pull
Entries 70
Mean 741.9
Std Dev 0

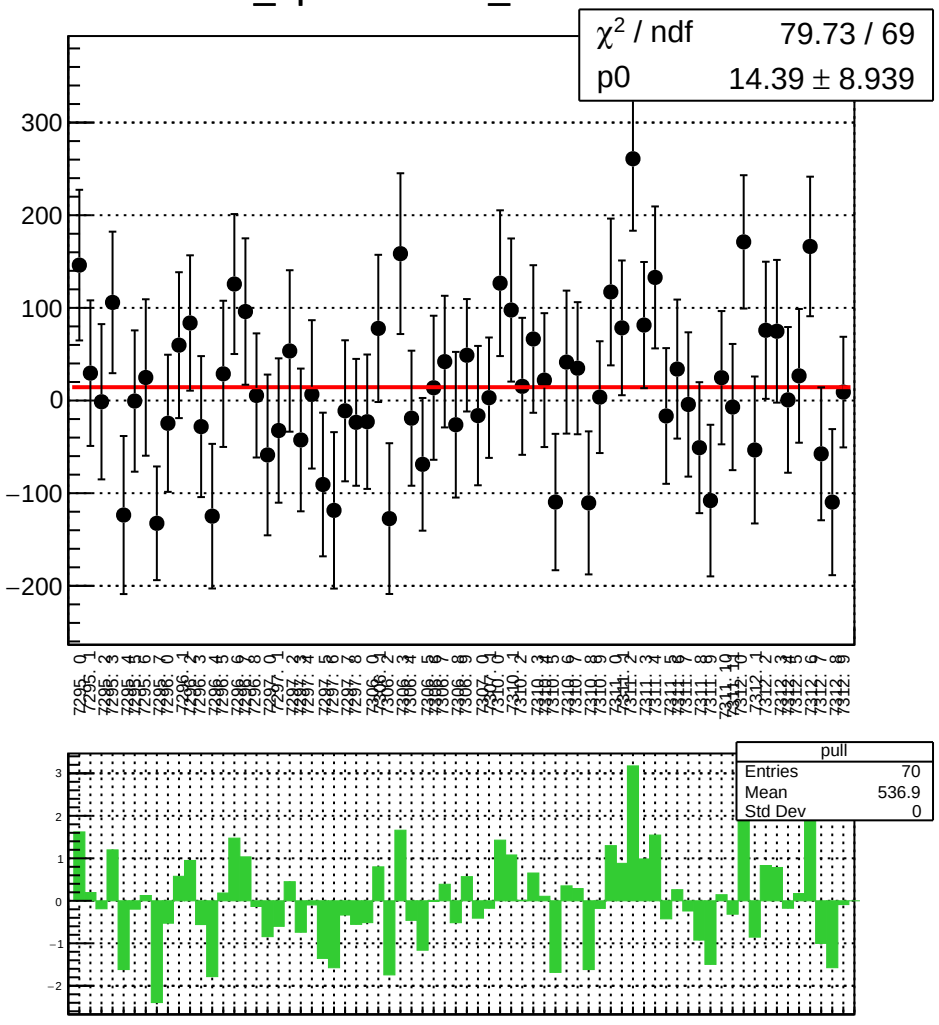

pull1D
Entries 70
Mean −0.002624
Std Dev 0.9311

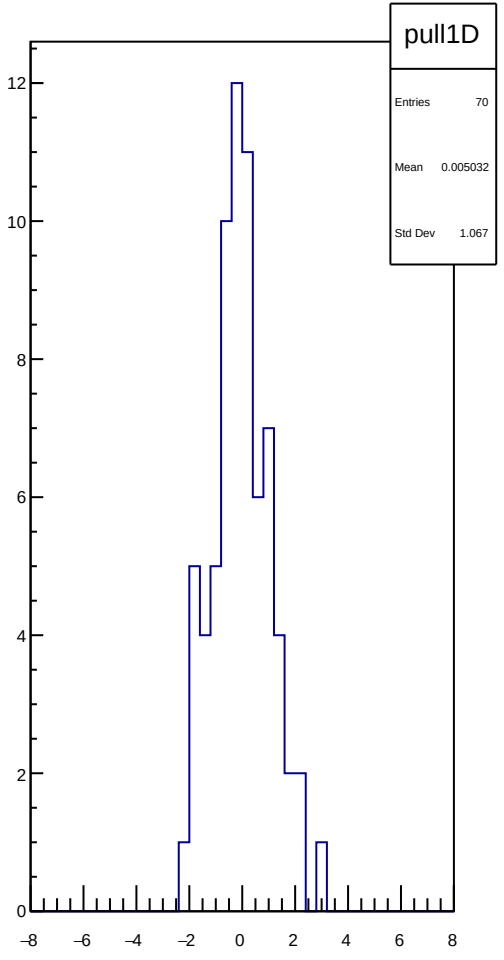

diff_bpmE_11X12X_rms vs run
χ^2 / ndf 2.771e+04 / 69
p0 3.05e+04 ± 26.84
60000
55000
50000
45000
40000
35000
30000
25000

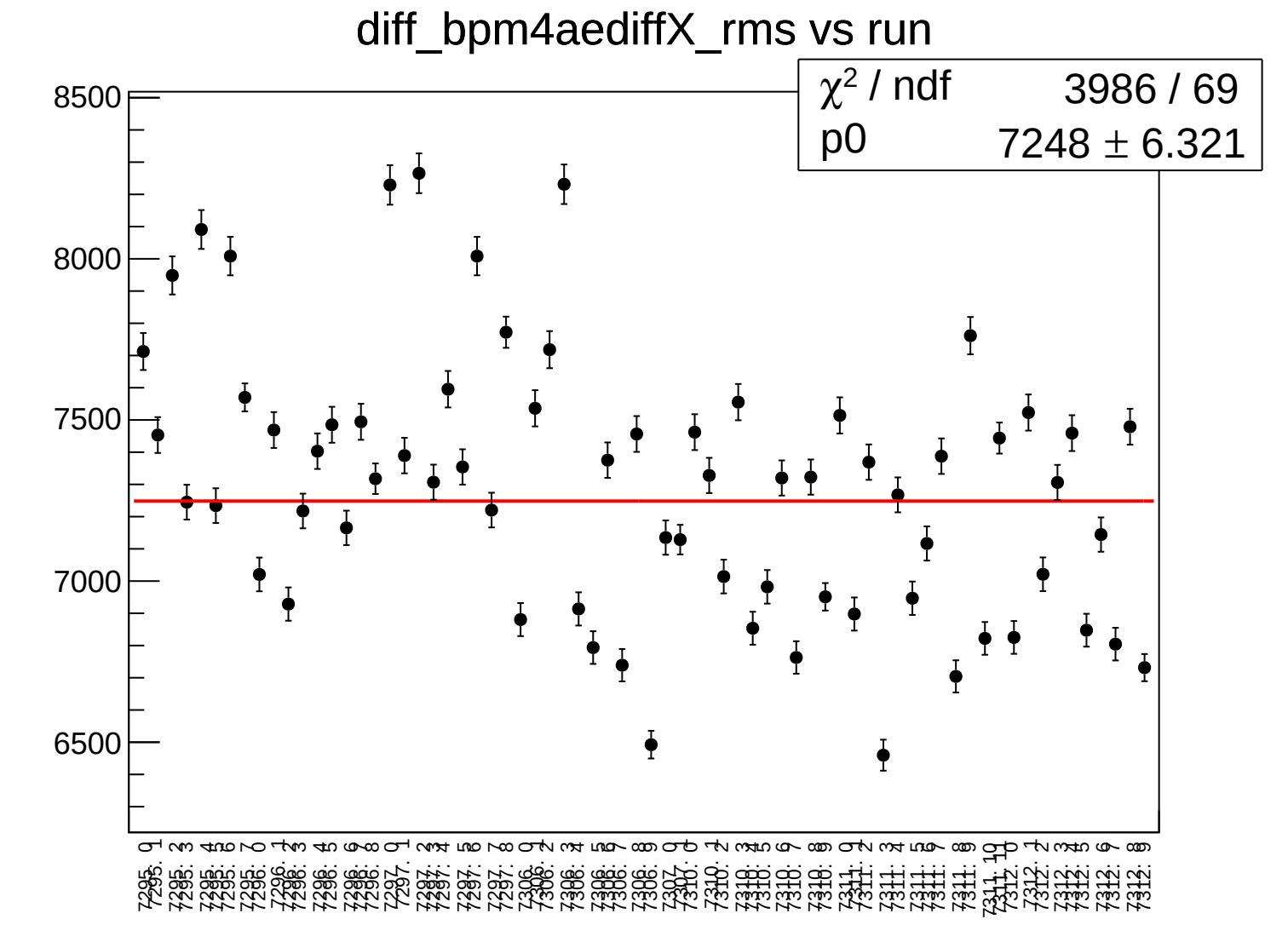

diff_bpm4aesumX_mean vs run
χ² / ndf 79.52 / 69
p0 −19.88 ± 12.49
pull
Entries 70
Mean 432.3
Std Dev 0

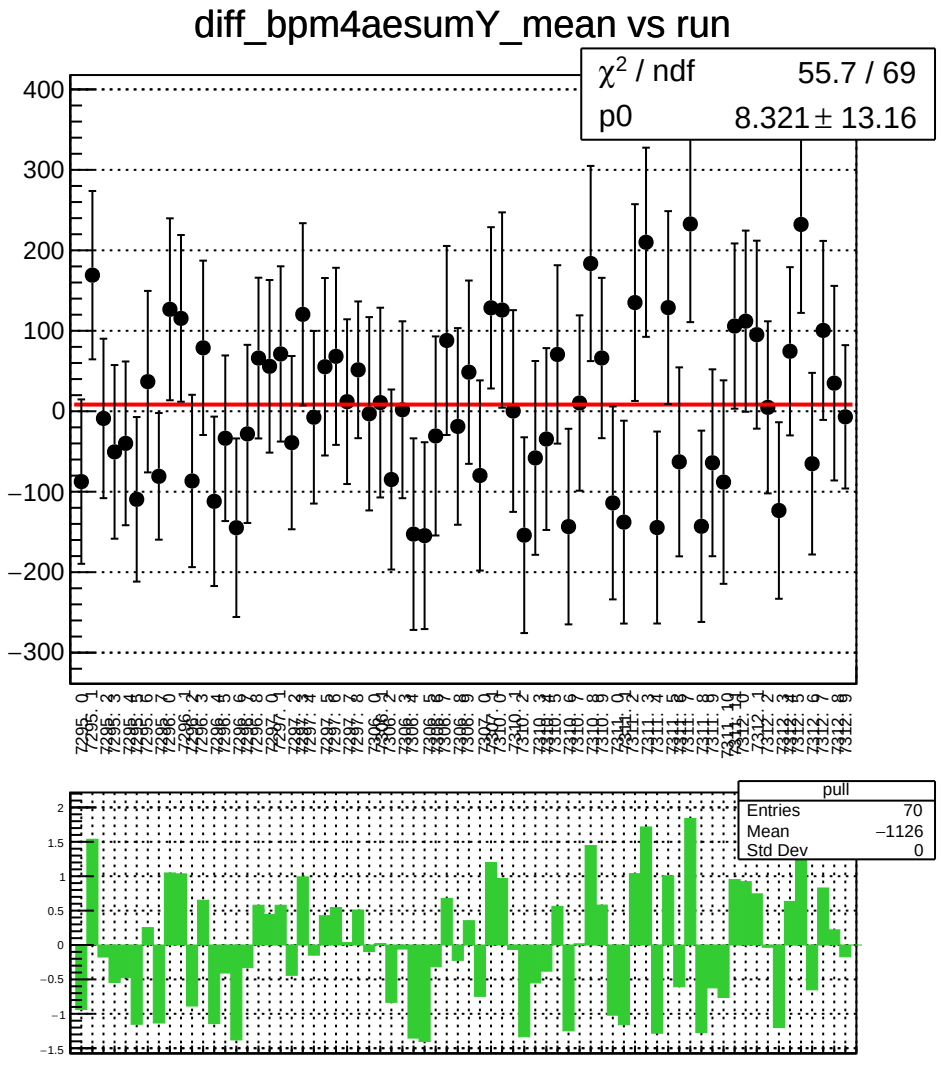

pull1D
Entries 70
Mean −0.006414
Std Dev 1.066

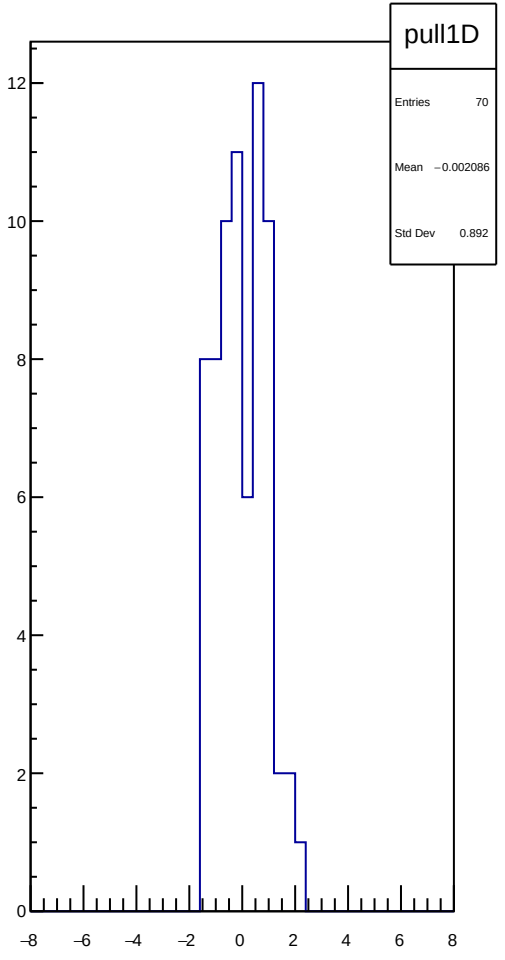

diff_bpm4aesumX_rms vs run
χ² / ndf 4008 / 69
p0 1.013e+04 ± 8.833
11500
11000
10500
10000
9500
9000

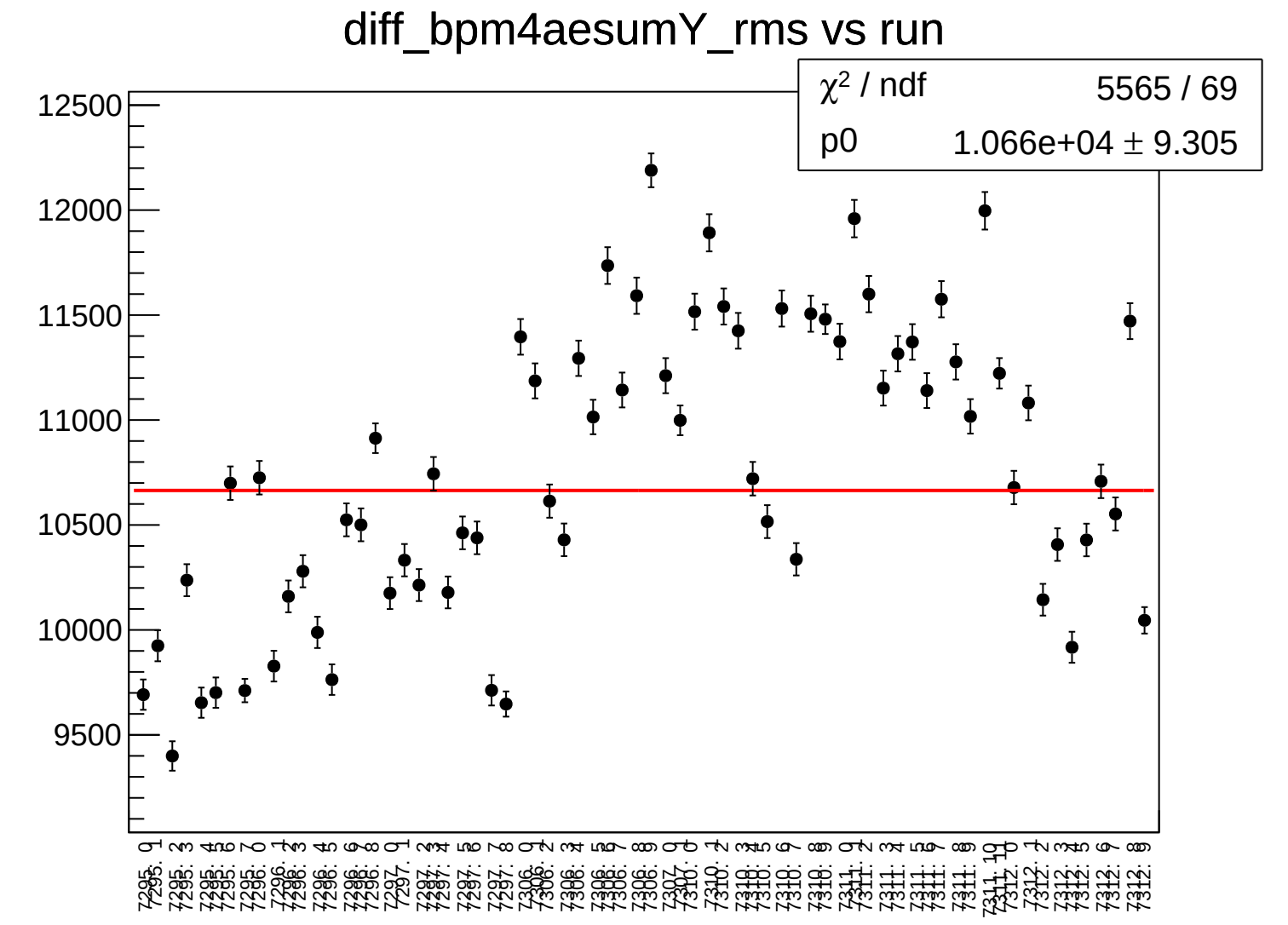

diff_bpm4aediffX_mean vs run
χ^2 / ndf 79.73 / 69
p0 14.39 ± 8.939
pull
Entries 70
Mean 536.9
Std Dev 0

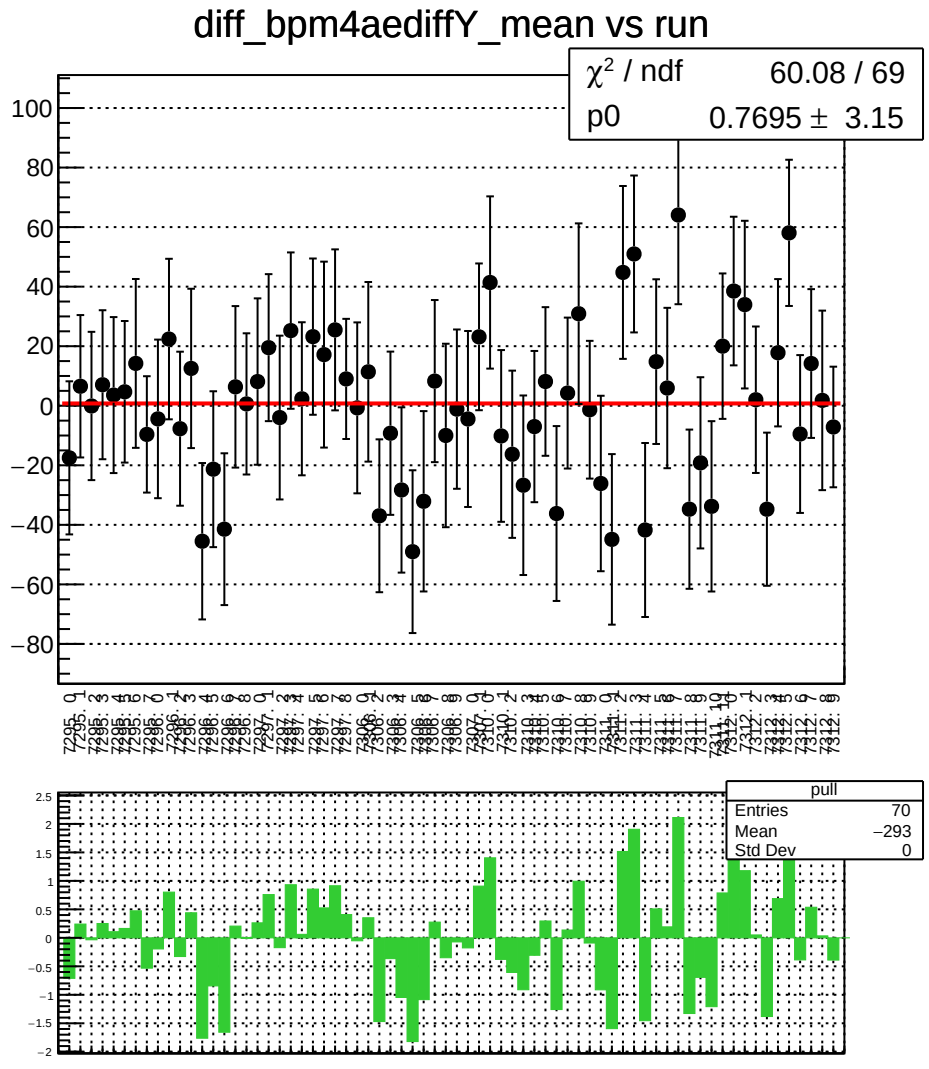

pull1D
Entries 70
Mean 0.005032
Std Dev 1.067

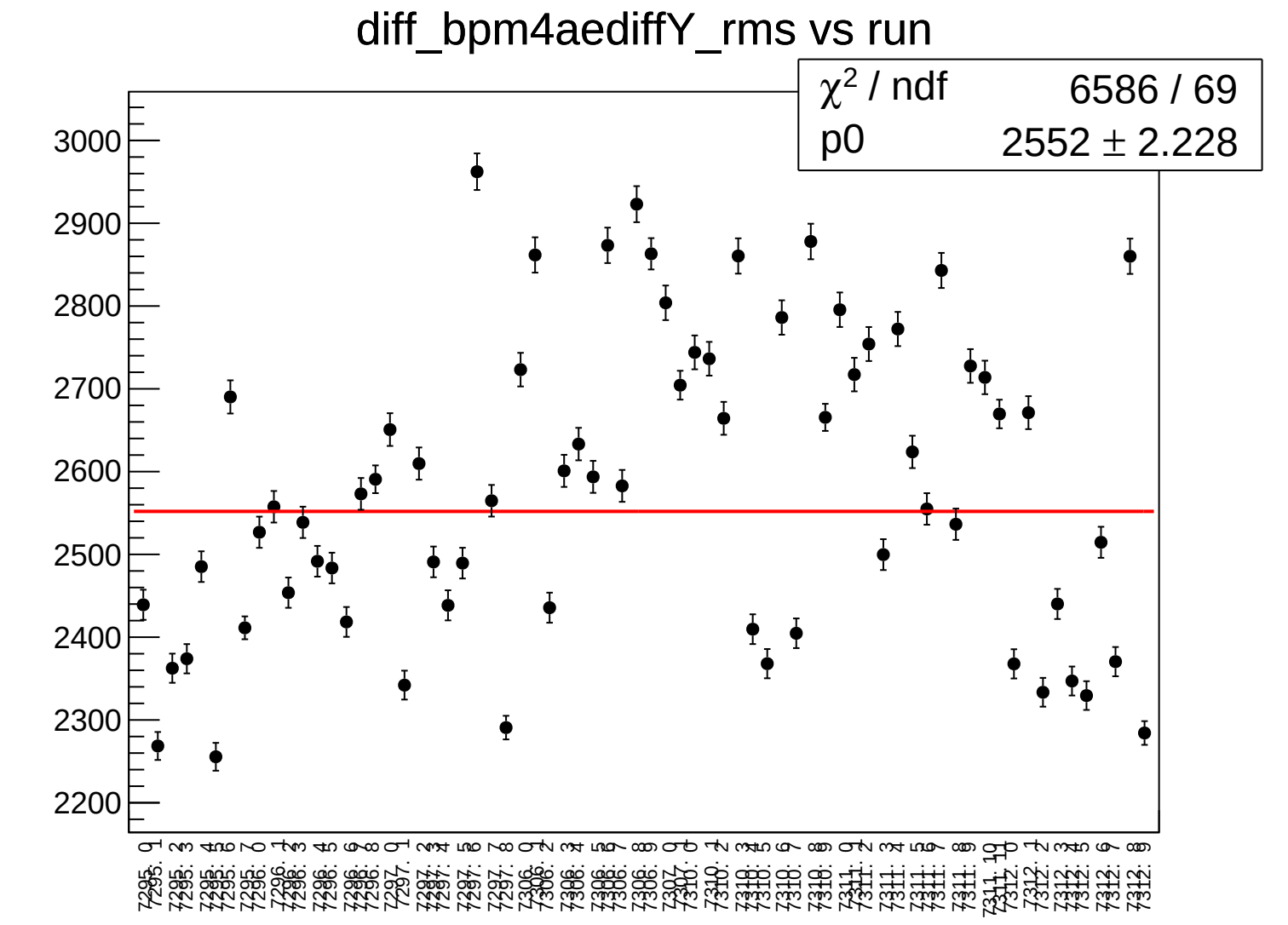

diff_bpm4aediffX_rms vs run
χ² / ndf 3986 / 69
p0 7248 ± 6.321
8500
8000
7500
7000
6500

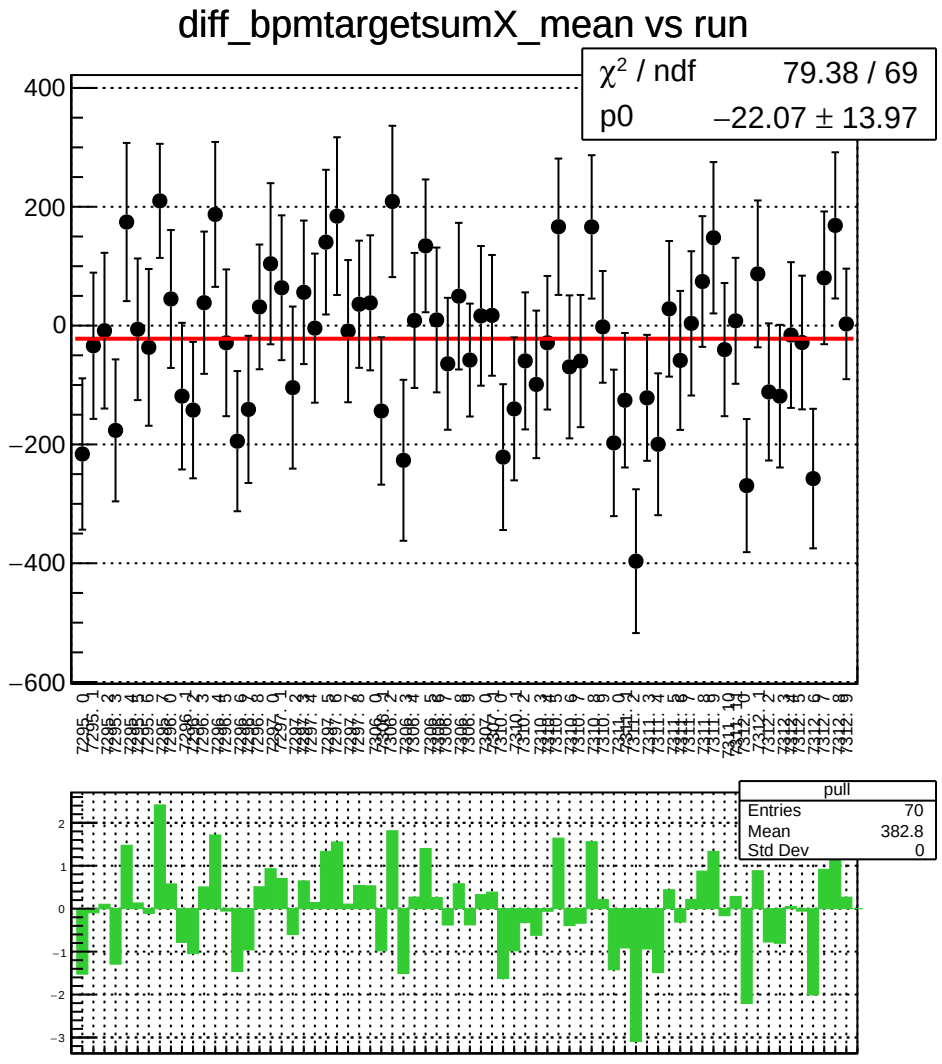

diff_bpm4aesumY_mean vs run
χ^2 / ndf 55.7 / 69
p0 8.321 ± 13.16
pull
Entries 70
Mean −1126
Std Dev 0

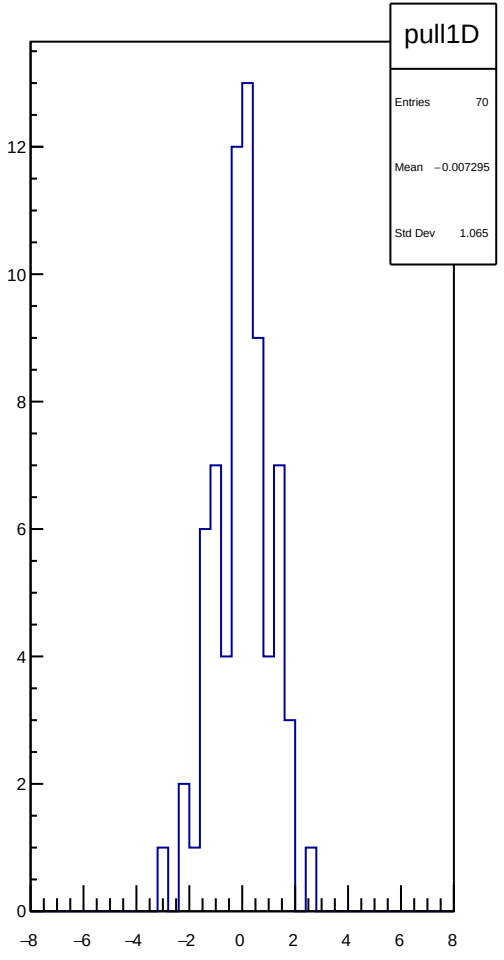

pull1D
Entries 70
Mean −0.002086
Std Dev 0.892

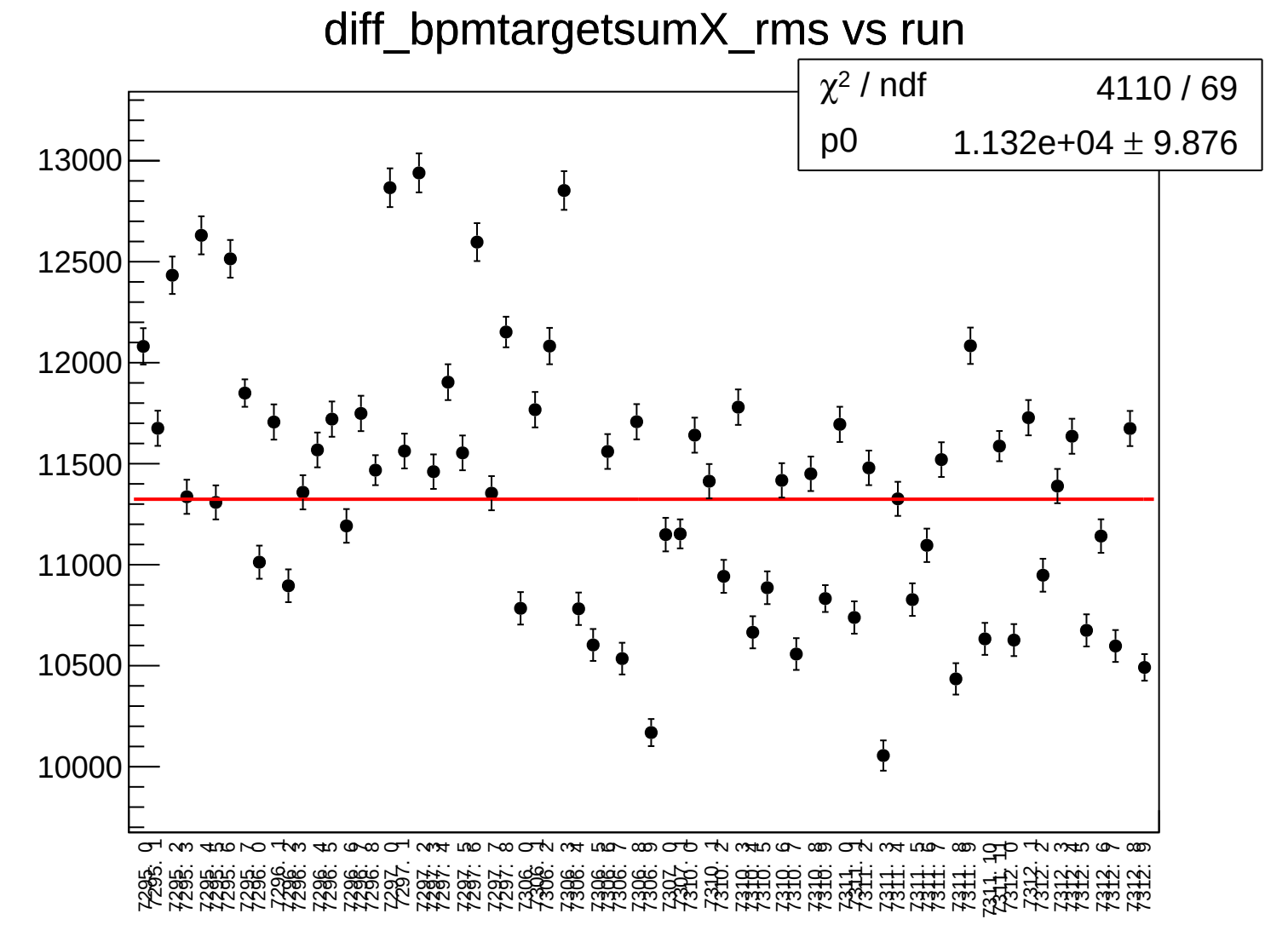

diff_bpm4aesumY_rms vs run
χ² / ndf 5565 / 69
p0 1.066e+04 ± 9.305
12500
12000
11500
11000
10500
10000
9500

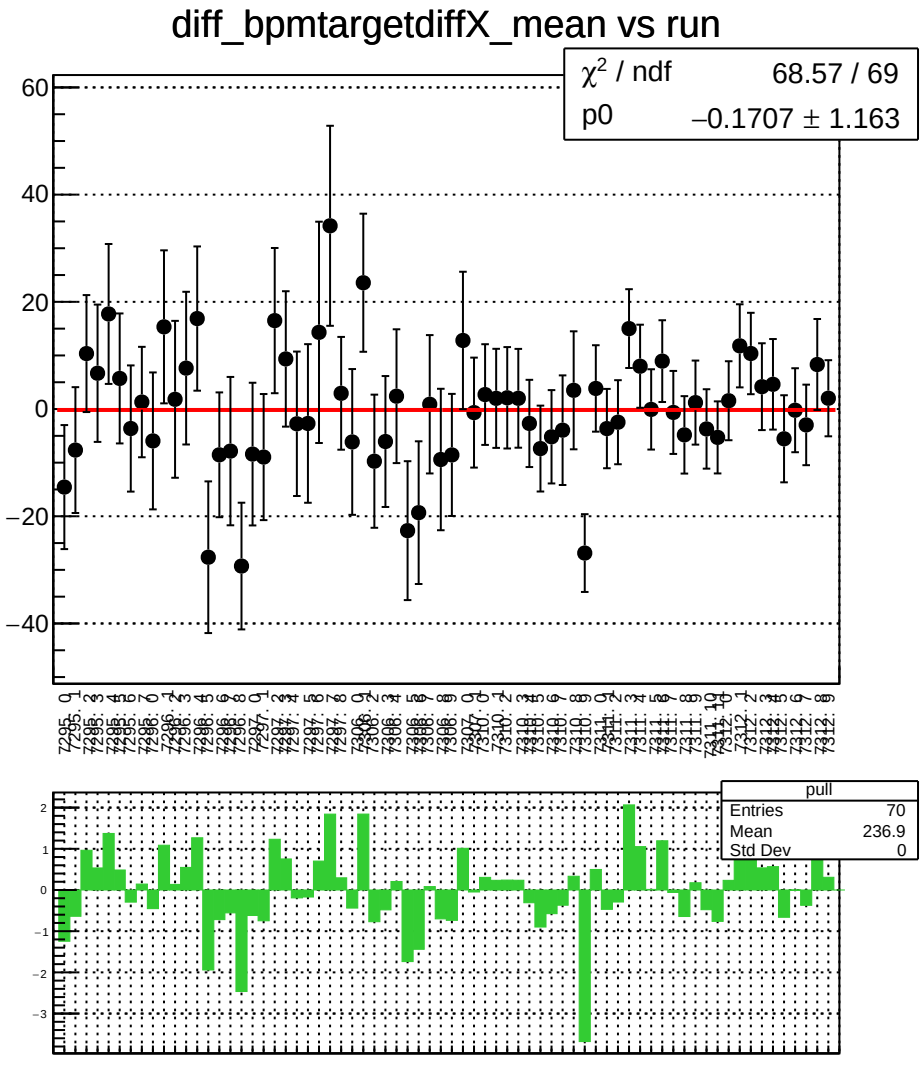

diff_bpm4aediffY_mean vs run
χ² / ndf 60.08 / 69
p0 0.7695 ± 3.15
pull
Entries 70
Mean −293
Std Dev 0
pull1D
Entries 70
Mean −0.006366
Std Dev 0.9264

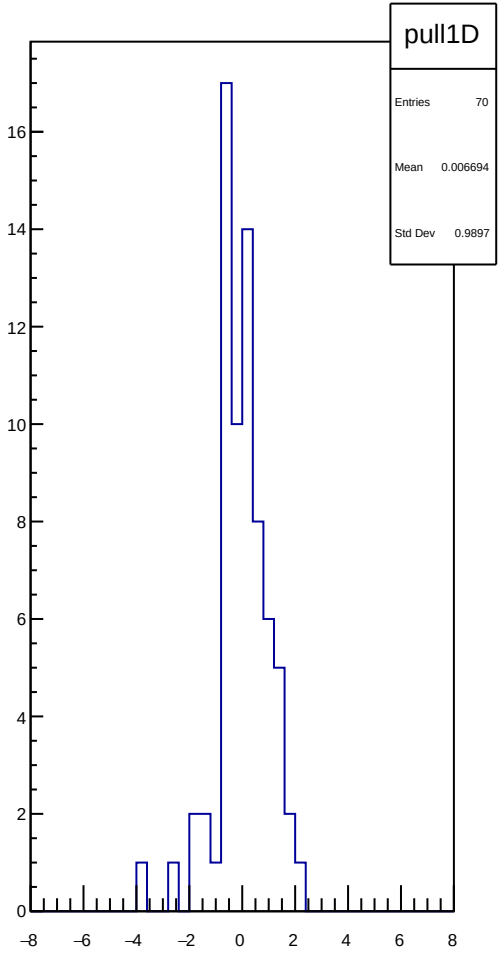

diff_bpm4aediffY_rms vs run
χ^2 / ndf 6586 / 69
p0 2552 ± 2.228
3000
2900
2800
2700
2600
2500
2400
2300
2200

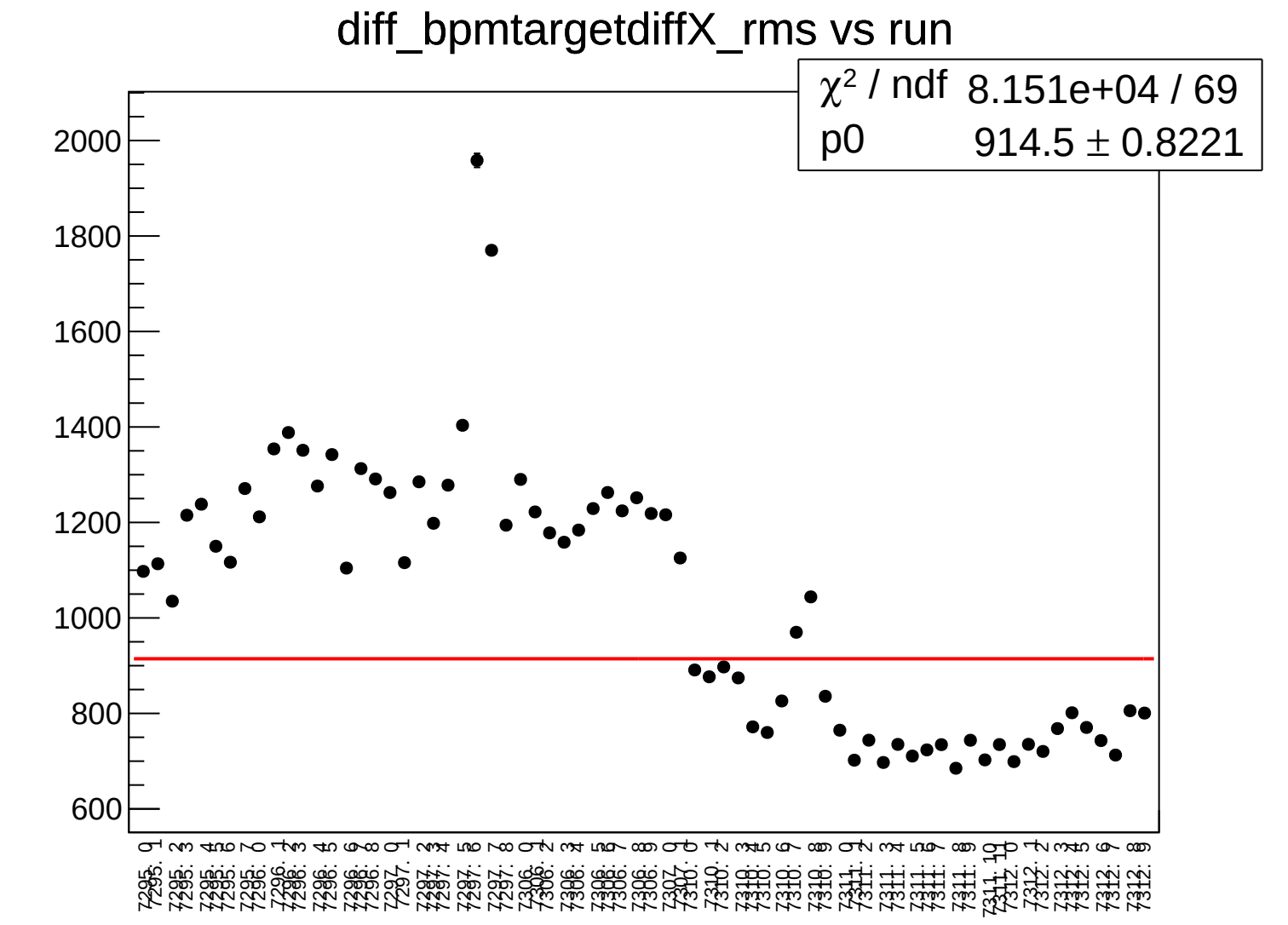

diff_bpmtargetsumX_mean vs run
χ² / ndf 79.38 / 69
p0 −22.07 ± 13.97
pull
Entries 70
Mean 382.8
Std Dev 0

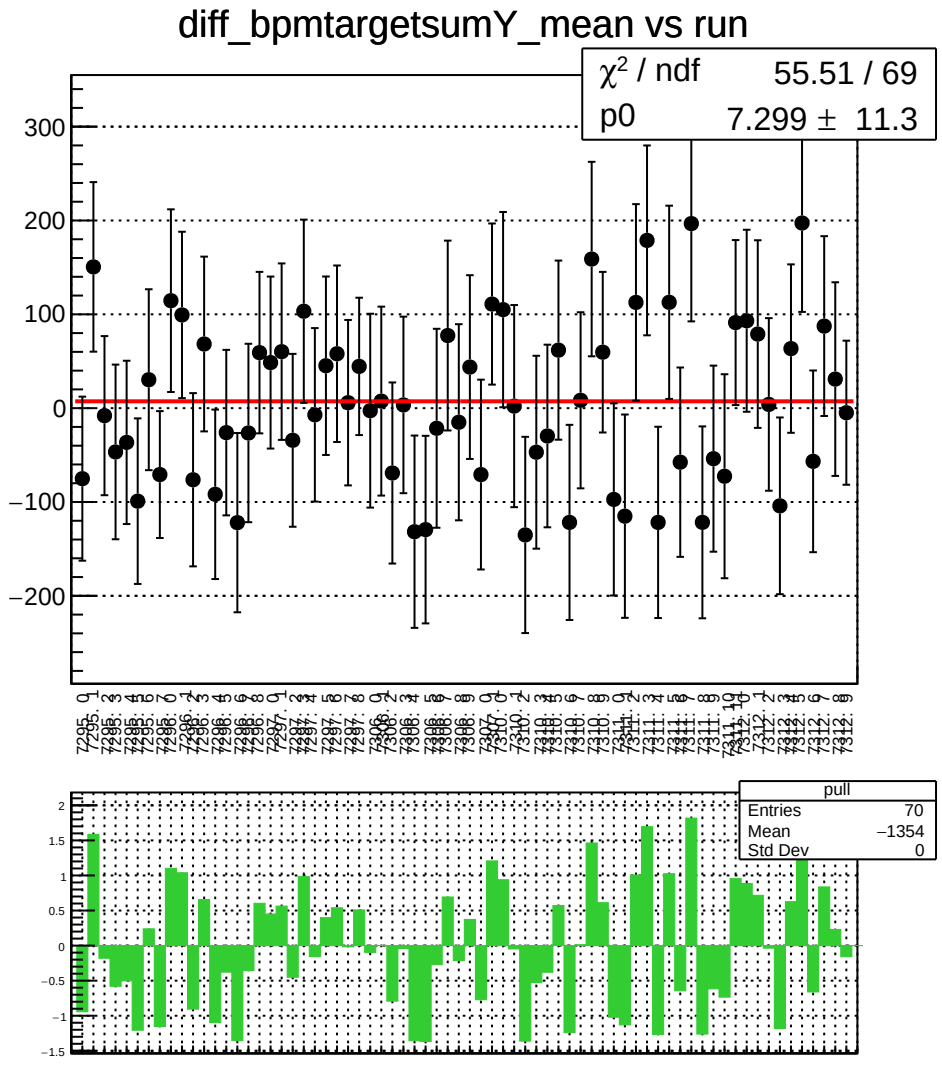

pull1D
Entries 70
Mean −0.007295
Std Dev 1.065

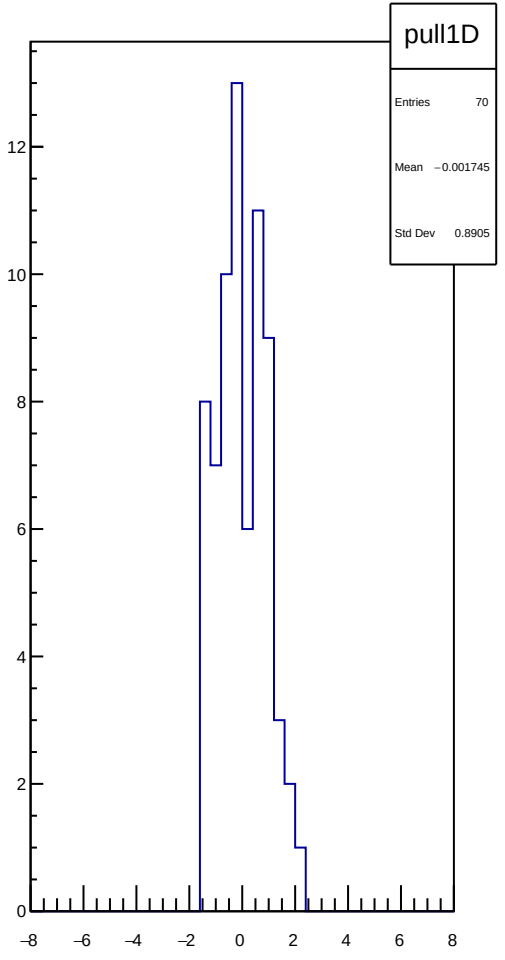

diff_bpmtargetsumX_rms vs run
χ² / ndf 4110 / 69
p0 1.132e+04 ± 9.876
13000
12500
12000
11500
11000
10500
10000

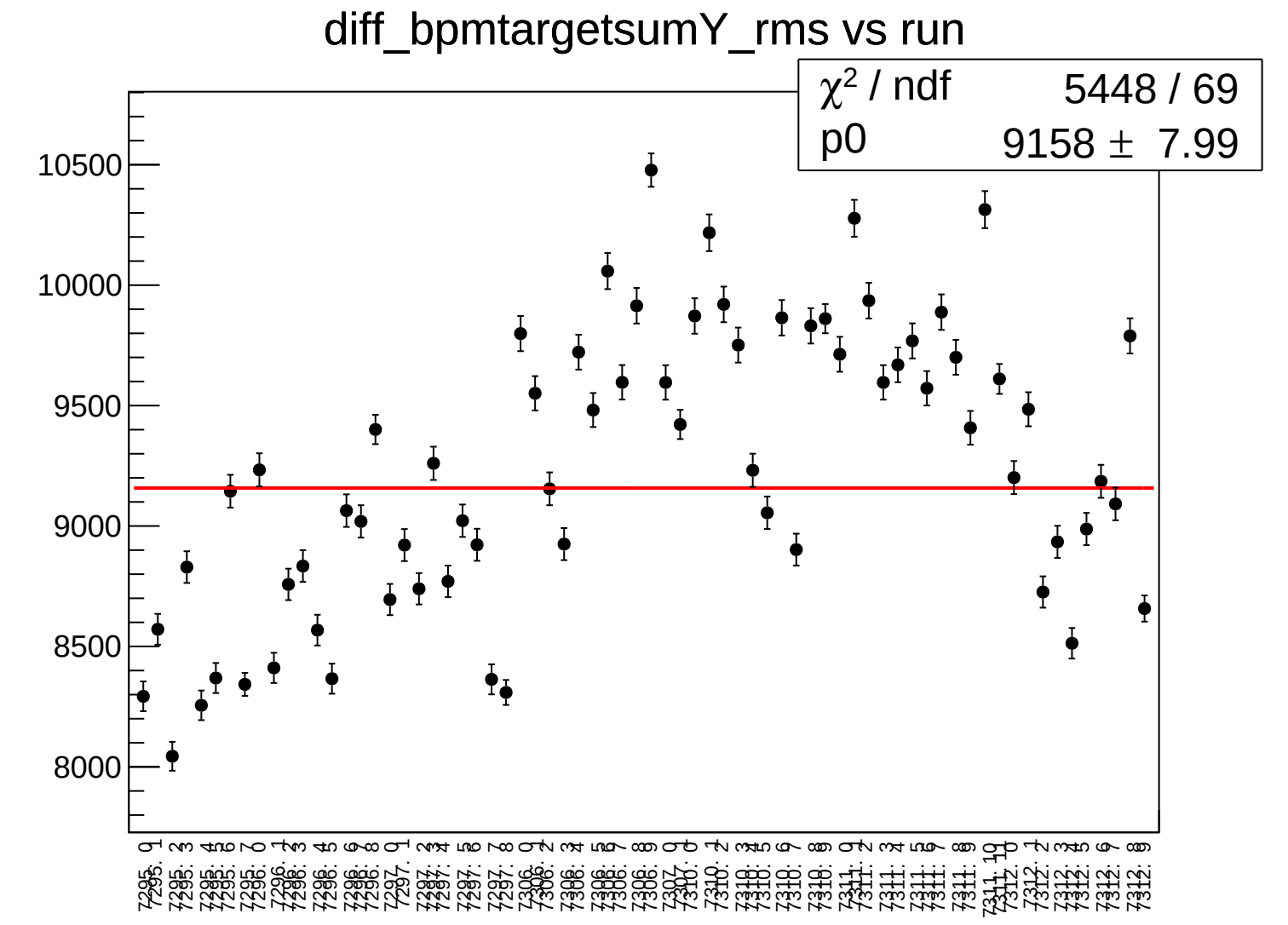

diff_bpmtargetdiffX_mean vs run
χ² / ndf 68.57 / 69
p0 −0.1707 ± 1.163
pull
Entries 70
Mean 236.9
Std Dev 0

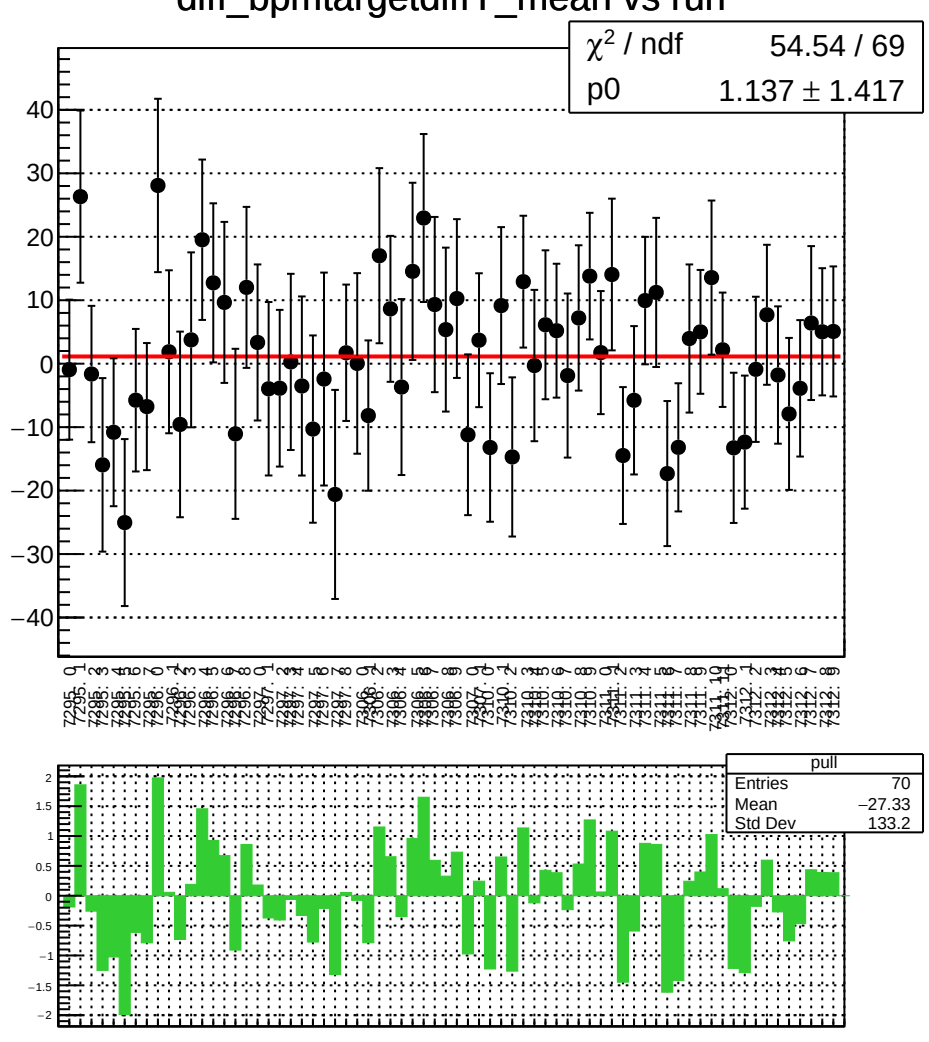

pull1D
Entries 70
Mean 0.006694
Std Dev 0.9897

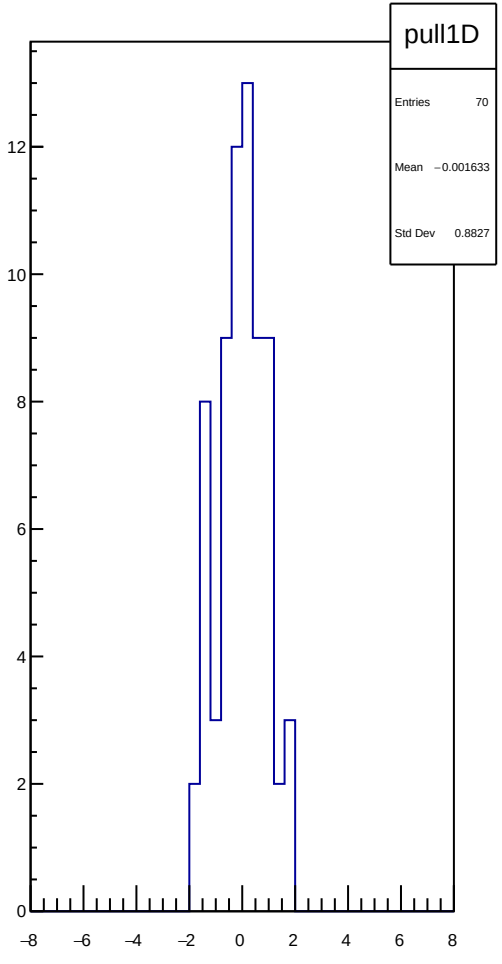

diff_bpmtargetdiffX_rms vs run
χ² / ndf 8.151e+04 / 69
p0 914.5 ± 0.8221
2000
1800
1600
1400
1200
1000
800
600

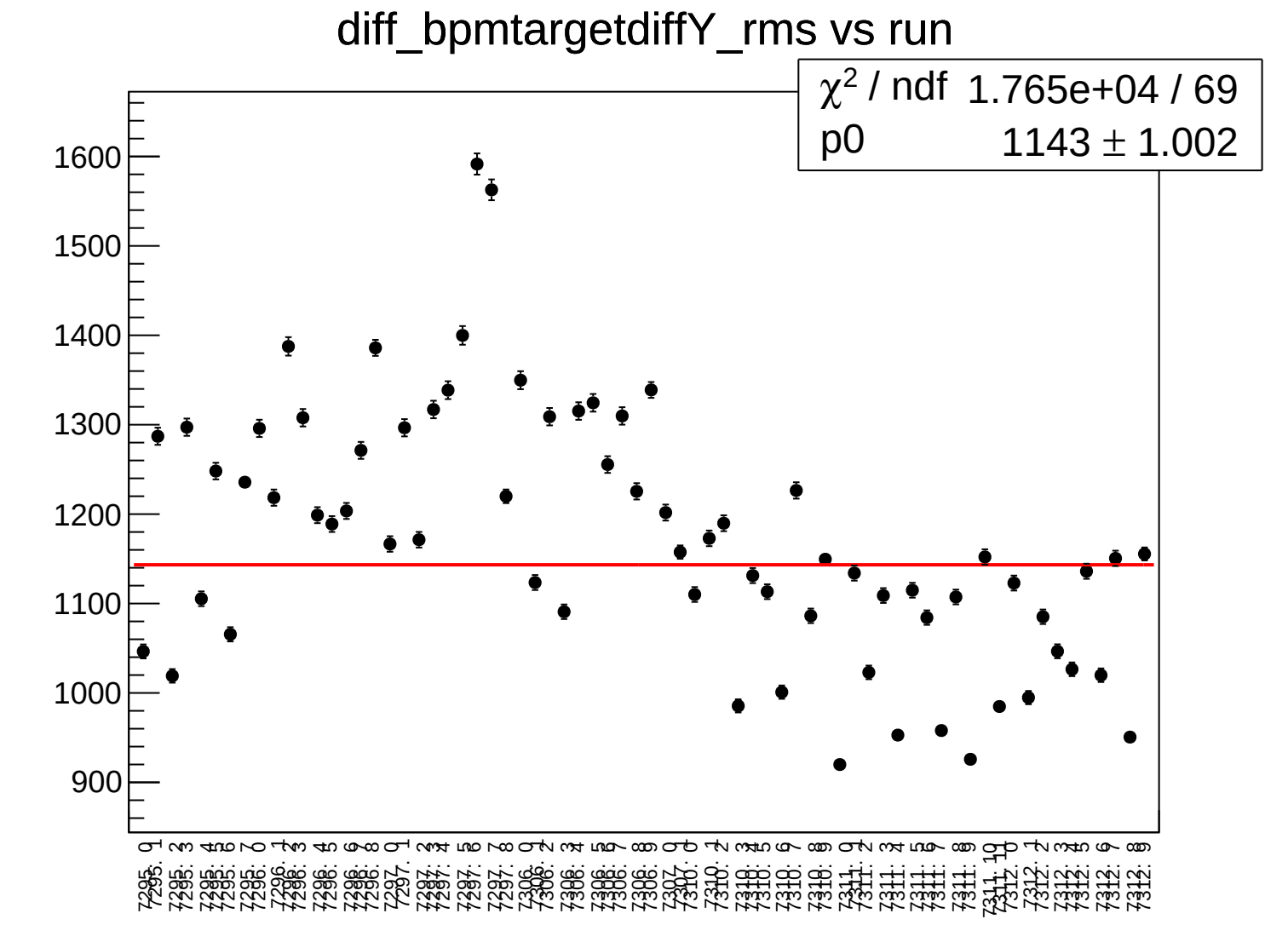

diff_bpmtargetsumY_mean vs run
χ^2 / ndf 55.51 / 69
p0 7.299 ± 11.3
pull
Entries 70
Mean −1354
Std Dev 0

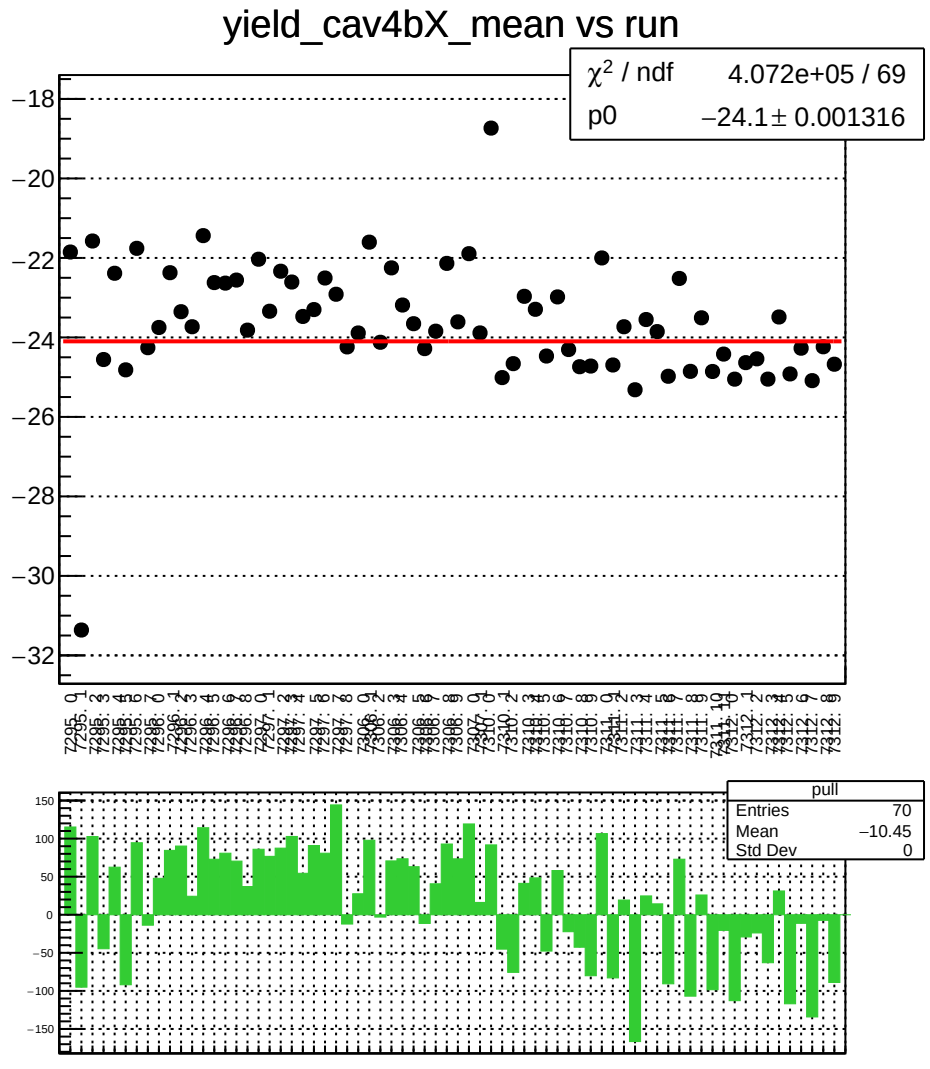

pull1D
Entries 70
Mean −0.001745
Std Dev 0.8905

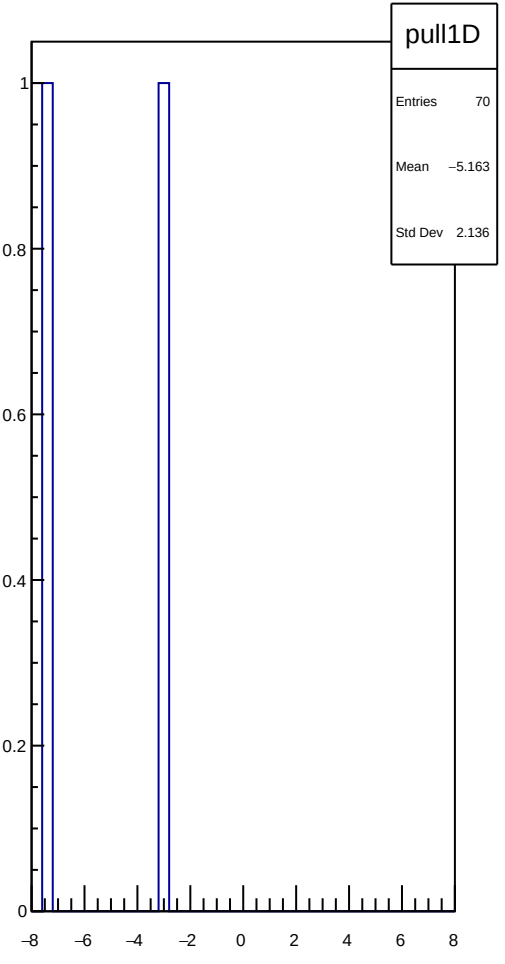

diff_bpmtargetsumY_rms vs run
χ² / ndf 5448 / 69
p0 9158 ± 7.99
10500
10000
9500
9000
8500
8000

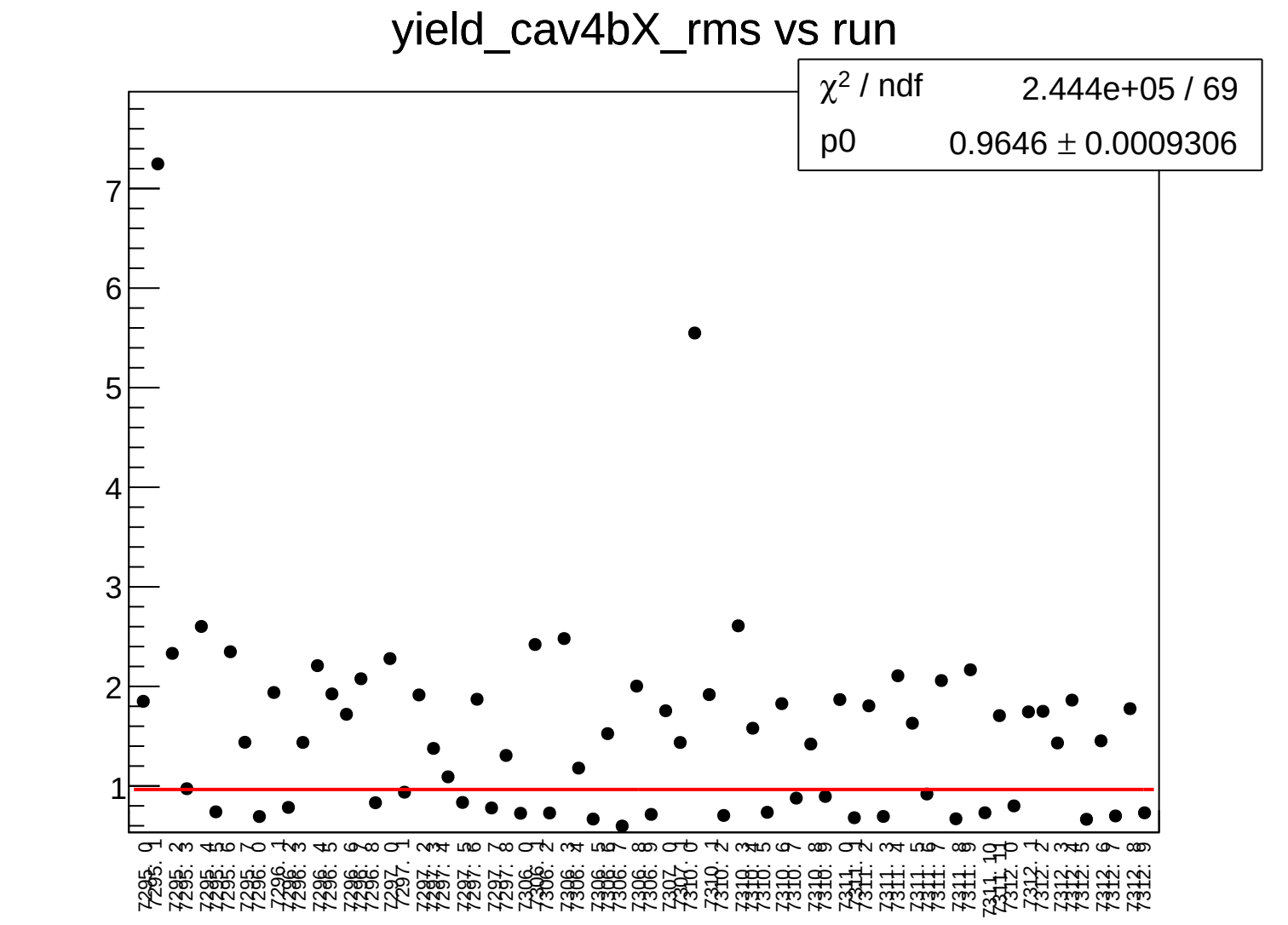

diff_bpmtargetdiffY_mean vs run
χ² / ndf 54.54 / 69
p0 1.137 ± 1.417
pull
Entries 70
Mean −27.33
Std Dev 133.2

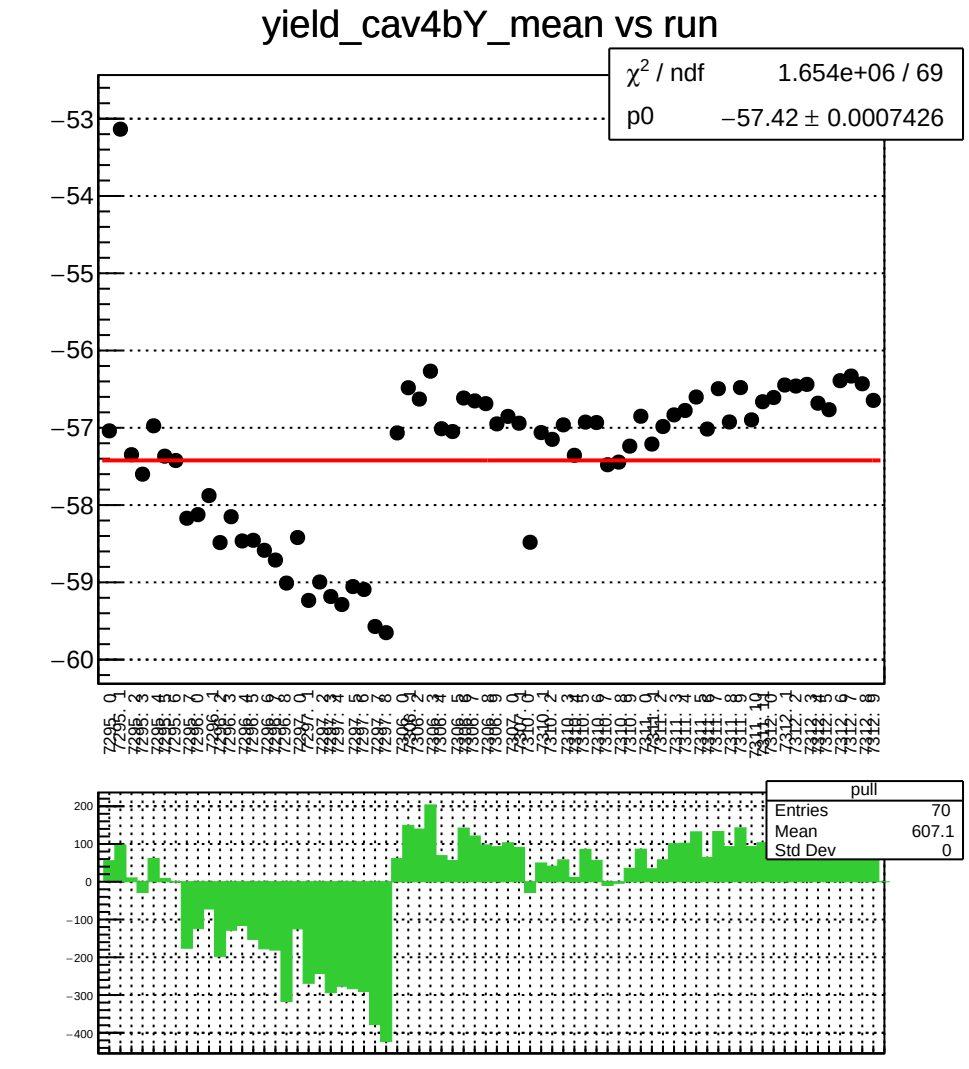

pull1D
Entries 70
Mean −0.001633
Std Dev 0.8827

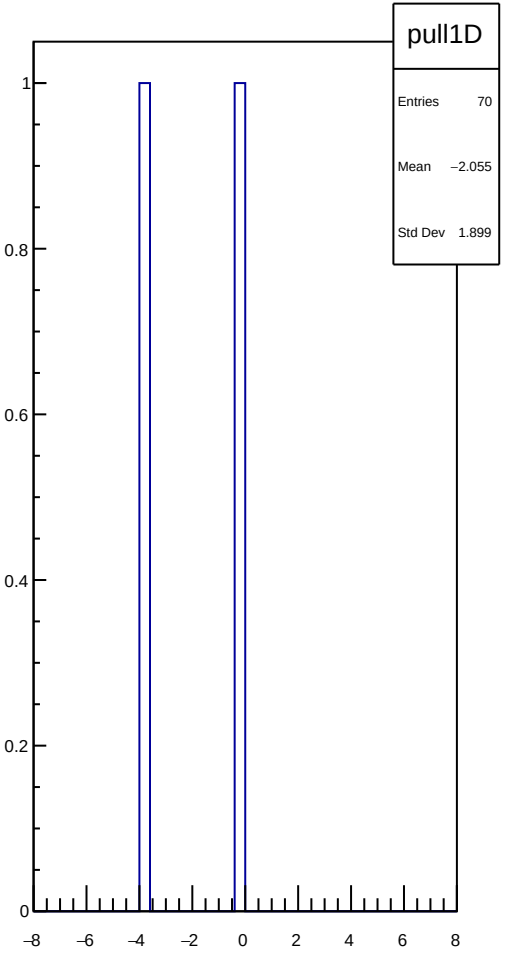

diff_bpmtargetdiffY_rms vs run
χ^2 / ndf 1.765e+04 / 69
p0 1143 ± 1.002
1600
1500
1400
1300
1200
1100
1000
900

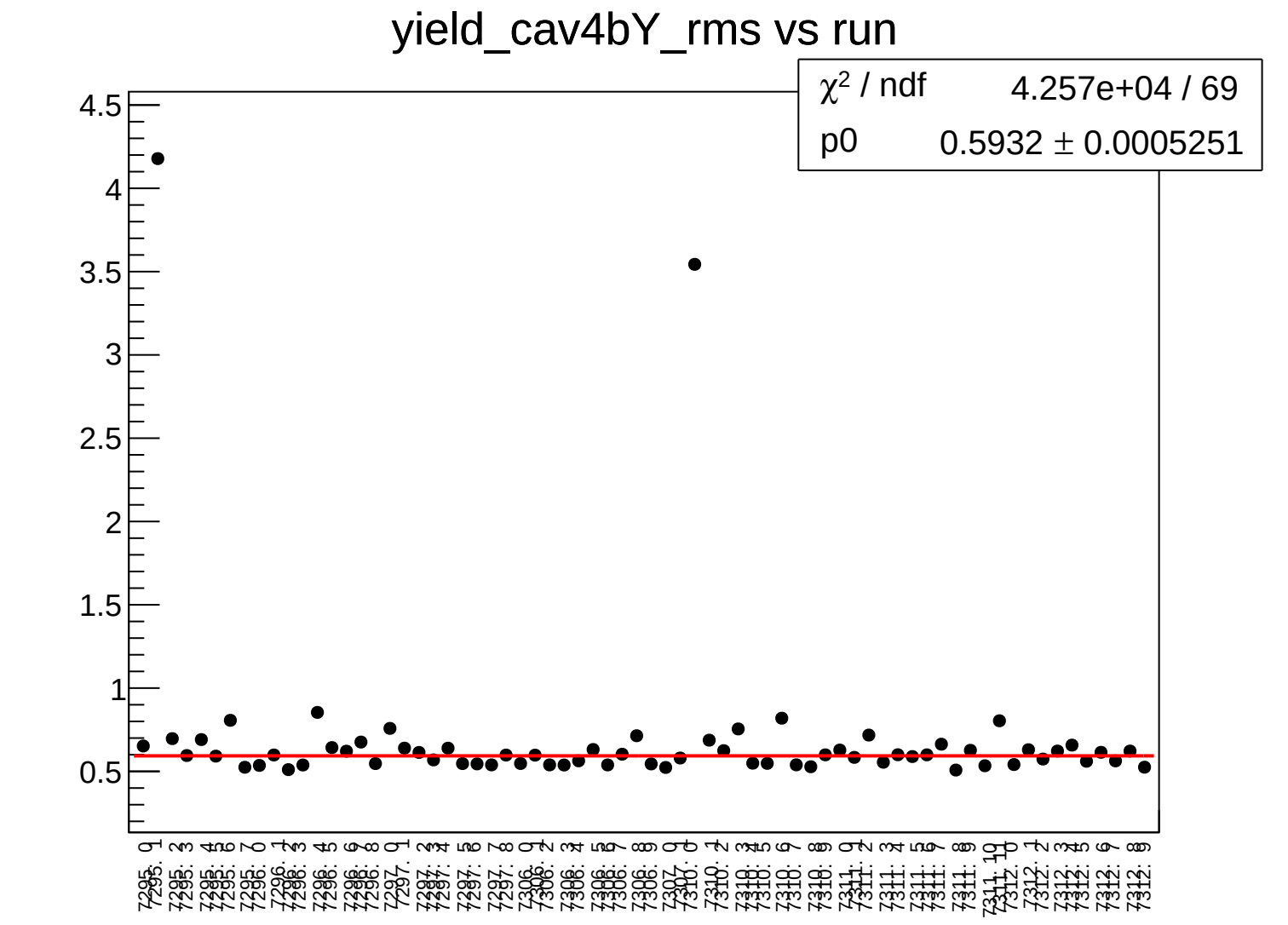

yield_cav4bX_mean vs run
χ² / ndf 4.072e+05 / 69
p0 −24.1 ± 0.001316
pull
Entries 70
Mean −10.45
Std Dev 0

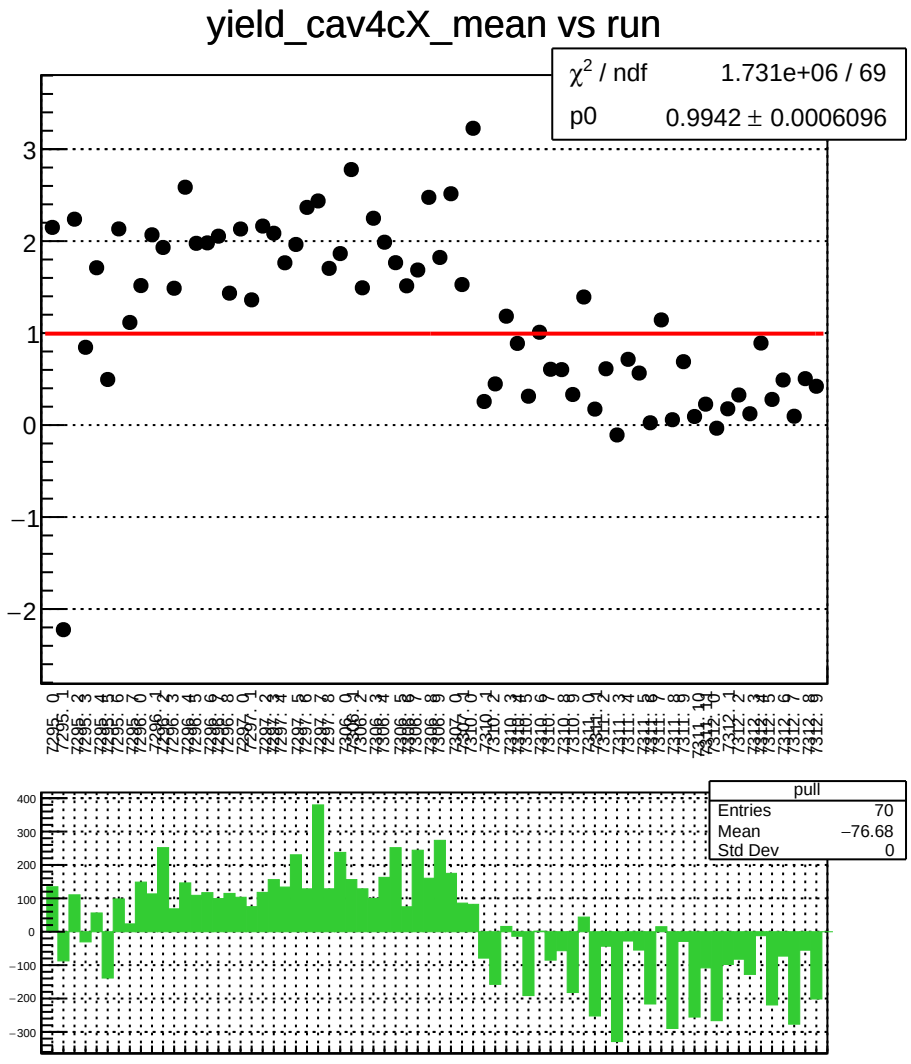

pull1D
Entries 70
Mean −5.163
Std Dev 2.136

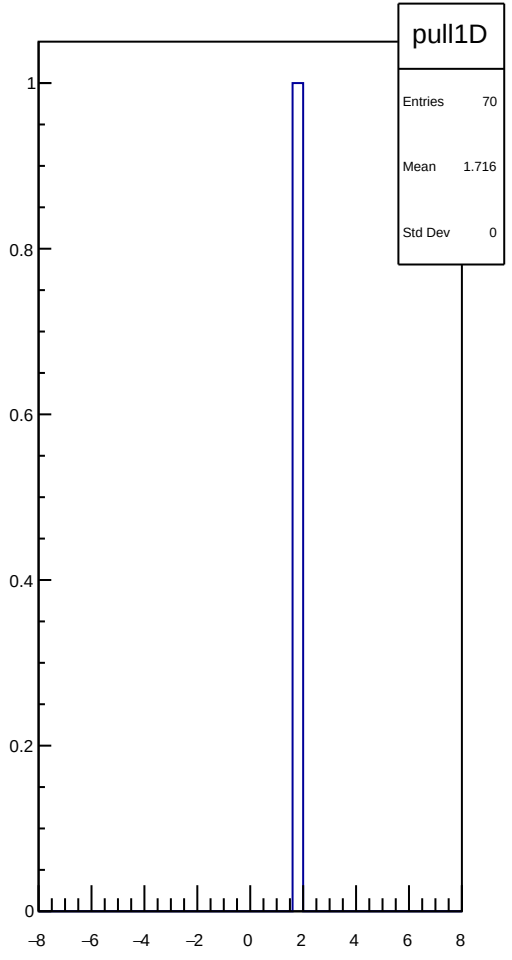

yield_cav4bX_rms vs run
χ² / ndf 2.444e+05 / 69
p0 0.9646 ± 0.0009306
7
6
5
4
3
2
1

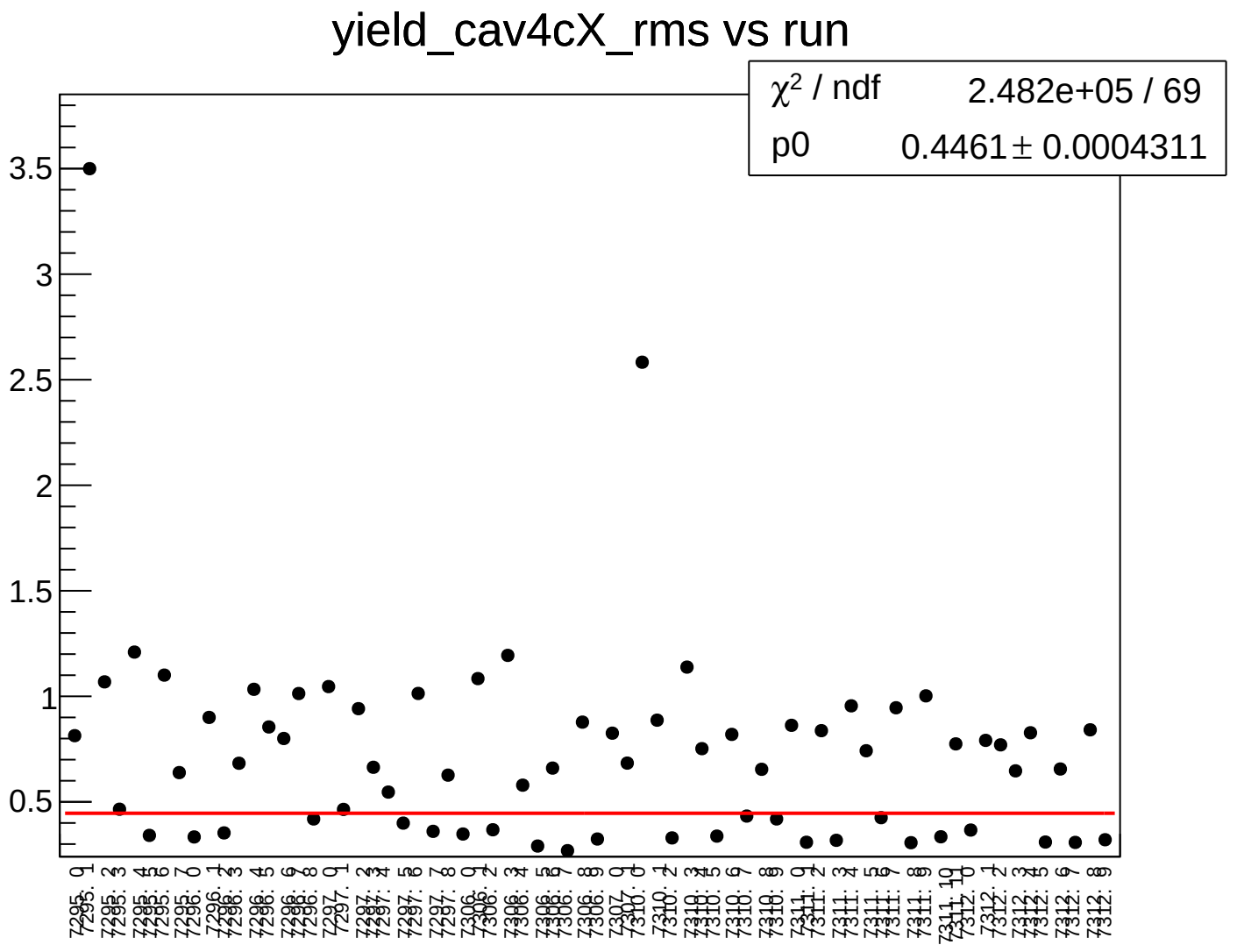

yield_cav4bY_mean vs run
χ² / ndf 1.654e+06 / 69
p0 −57.42 ± 0.0007426
pull
Entries 70
Mean 607.1
Std Dev 0

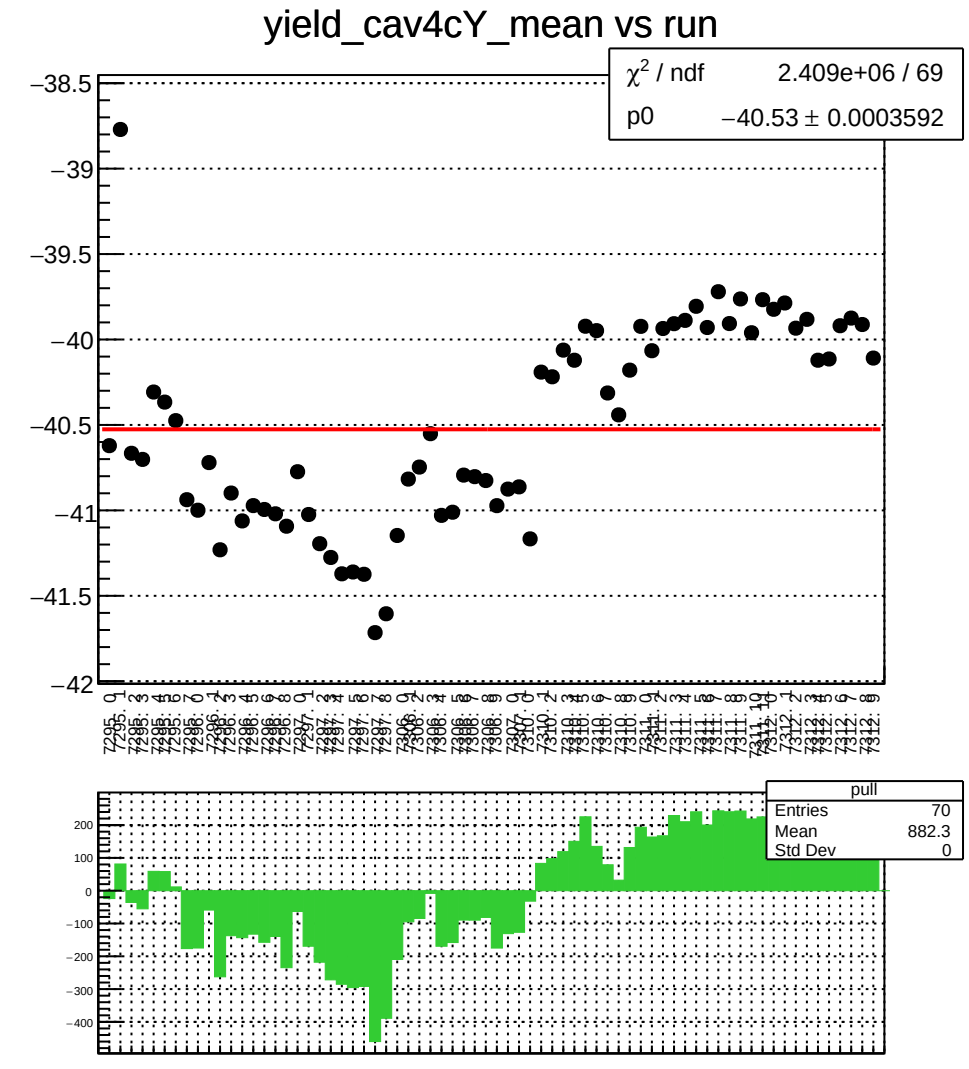

pull1D
Entries 70
Mean −2.055
Std Dev 1.899

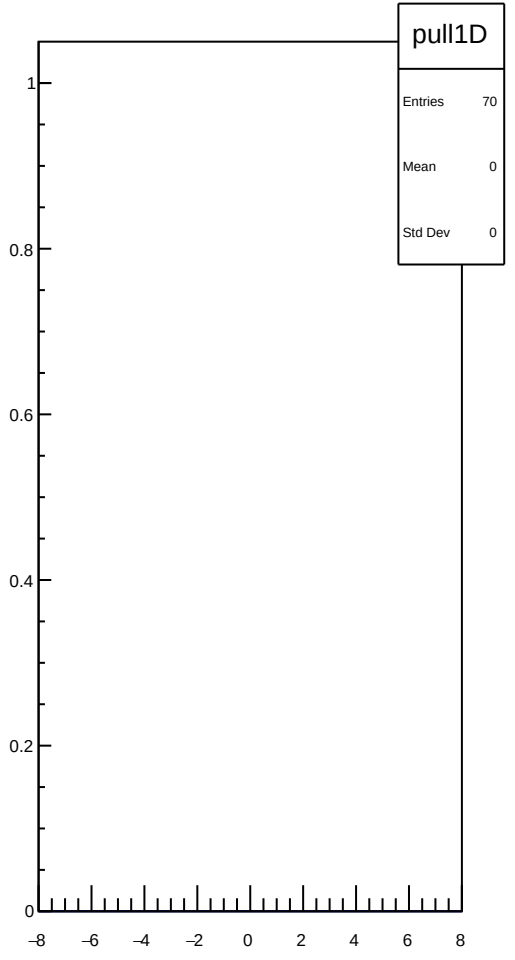

yield_cav4bY_rms vs run
χ² / ndf 4.257e+04 / 69
p0 0.5932 ± 0.0005251
4.5
4
3.5
3
2.5
2
1.5
1
0.5

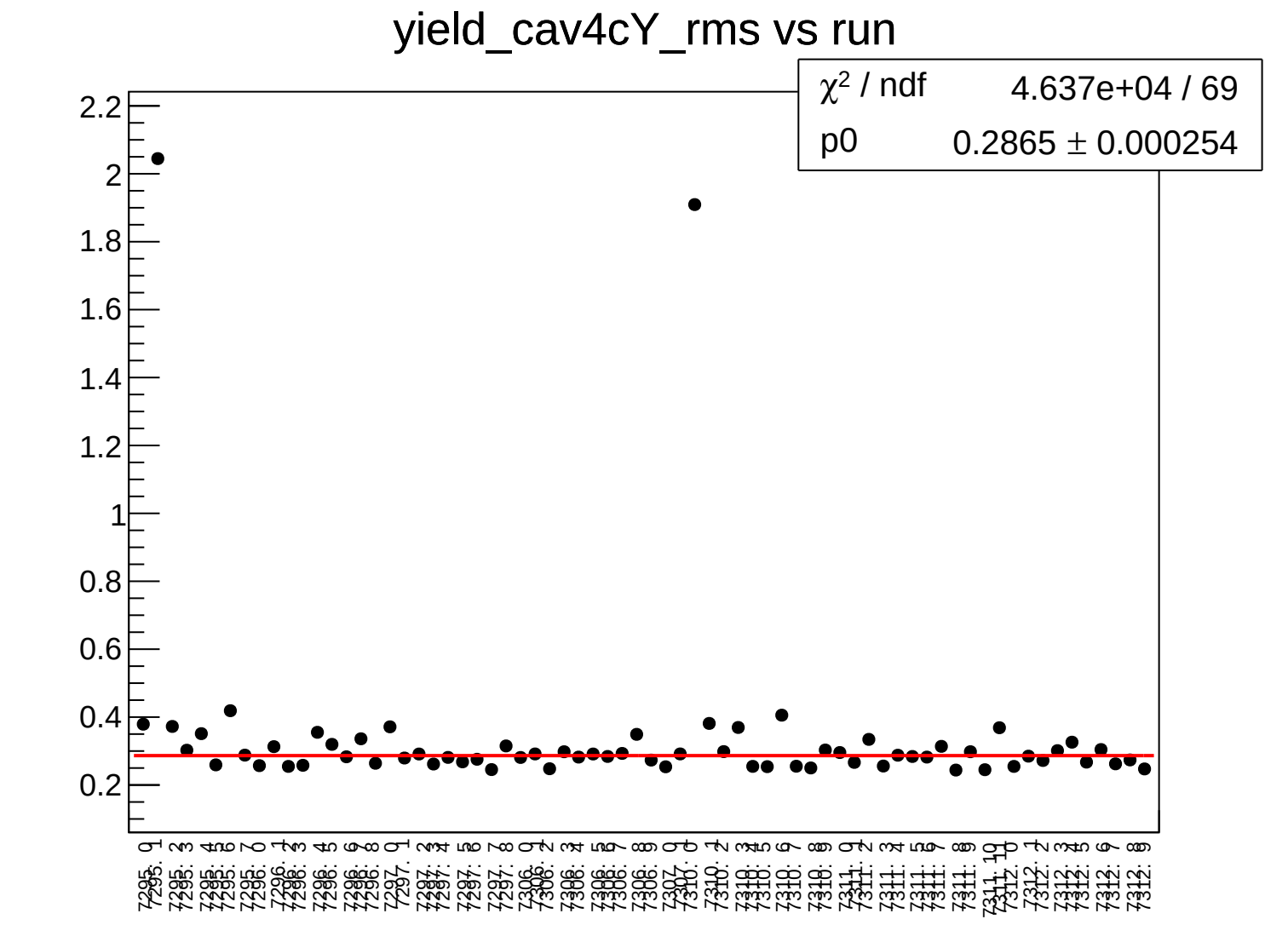

yield_cav4cX_mean vs run
χ² / ndf 1.731e+06 / 69
p0 0.9942 ± 0.0006096
pull
Entries 70
Mean −76.68
Std Dev 0

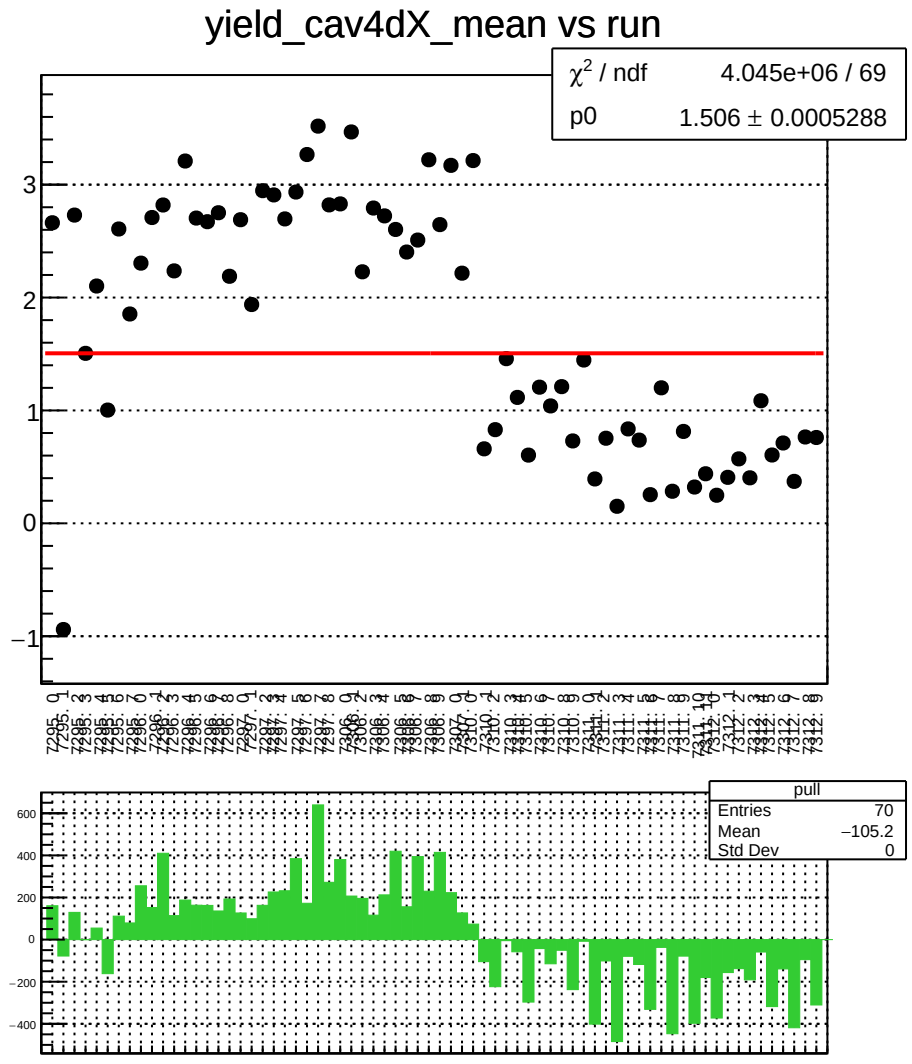

pull1D
Entries 70
Mean 1.716
Std Dev 0

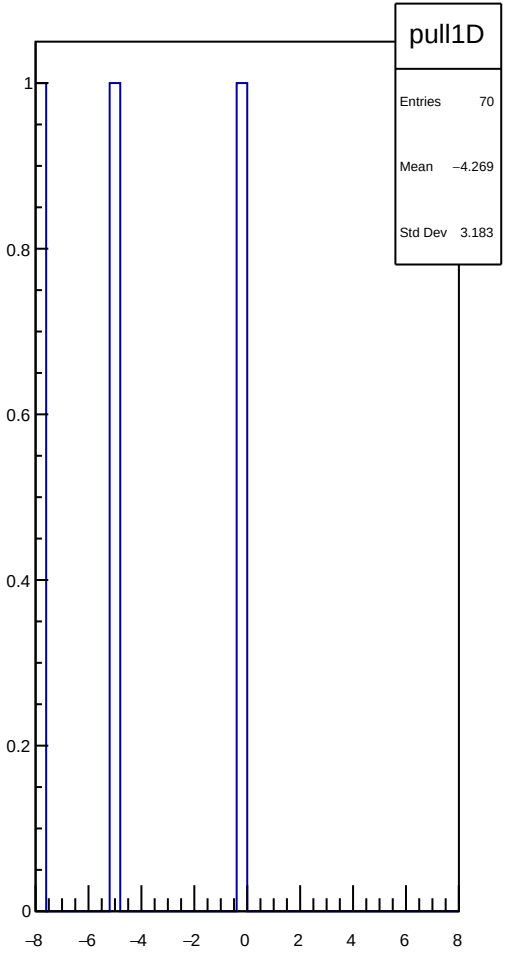

yield_cav4cX_rms vs run
χ² / ndf 2.482e+05 / 69
p0 0.4461 ± 0.0004311
3.5
3
2.5
2
1.5
1
0.5

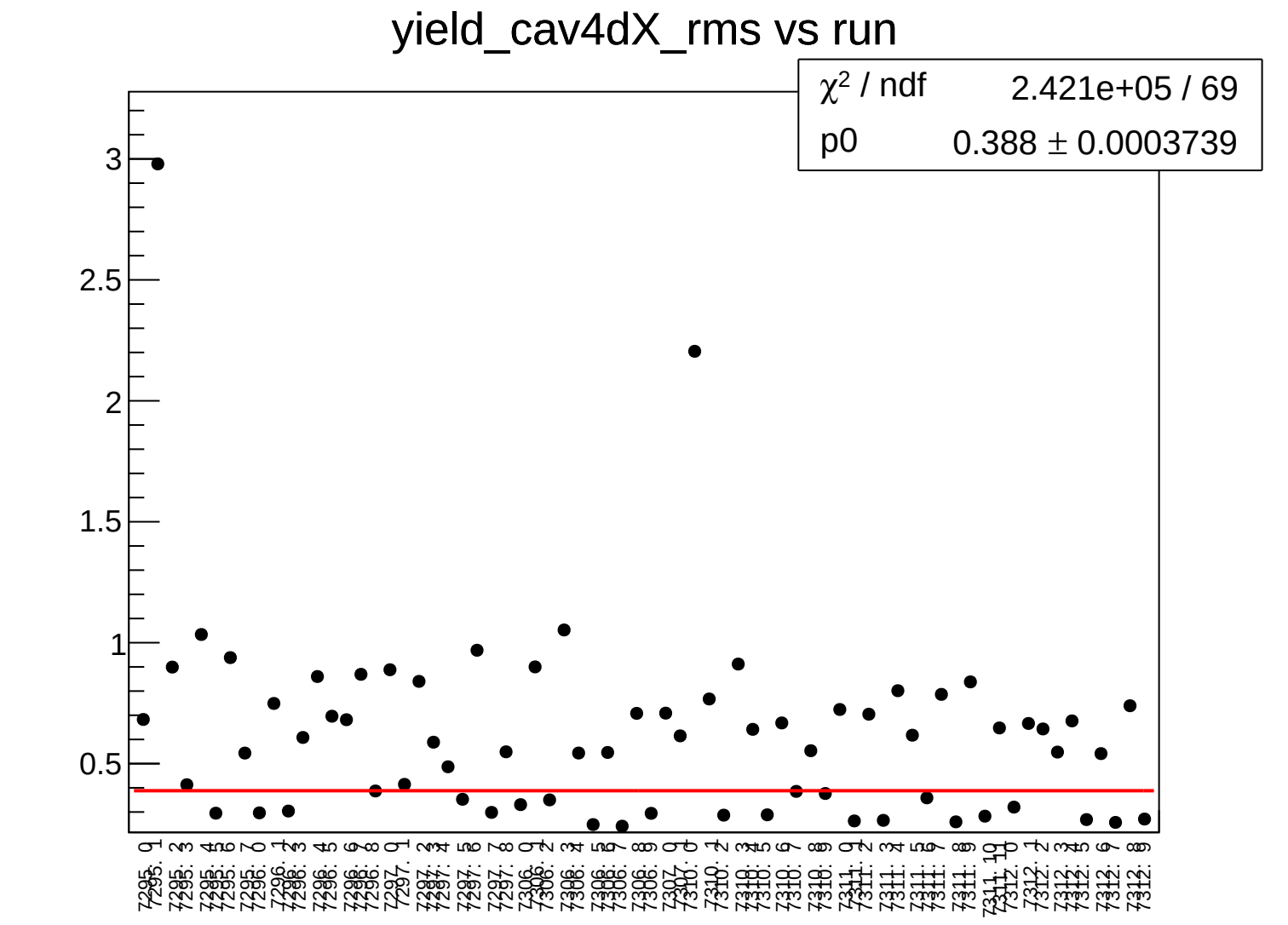

yield_cav4cY_mean vs run
χ² / ndf 2.409e+06 / 69
p0 −40.53 ± 0.0003592
−38.5
−39
−39.5
−40
−40.5
−41
−41.5
−42
pull
Entries 70
Mean 882.3
Std Dev 0
200
100
0
−100
−200
−300
−400

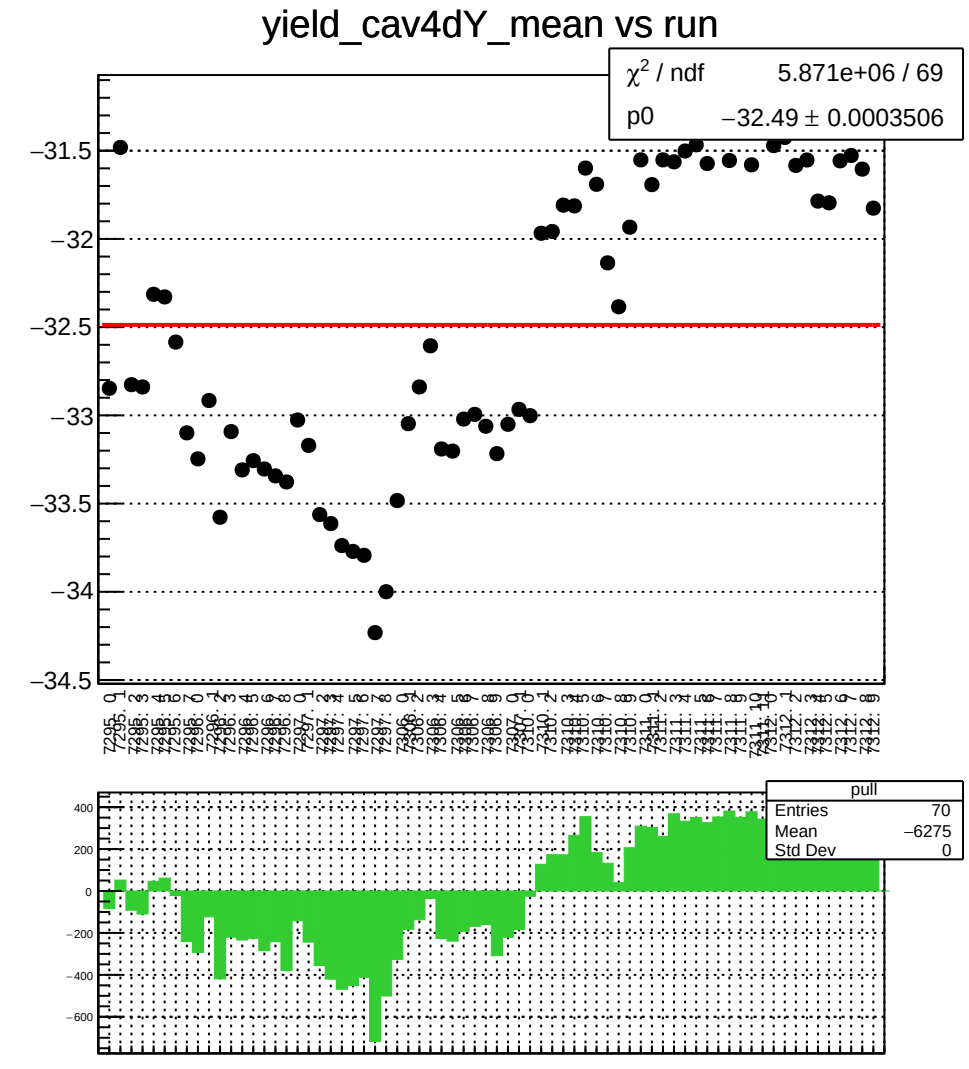

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

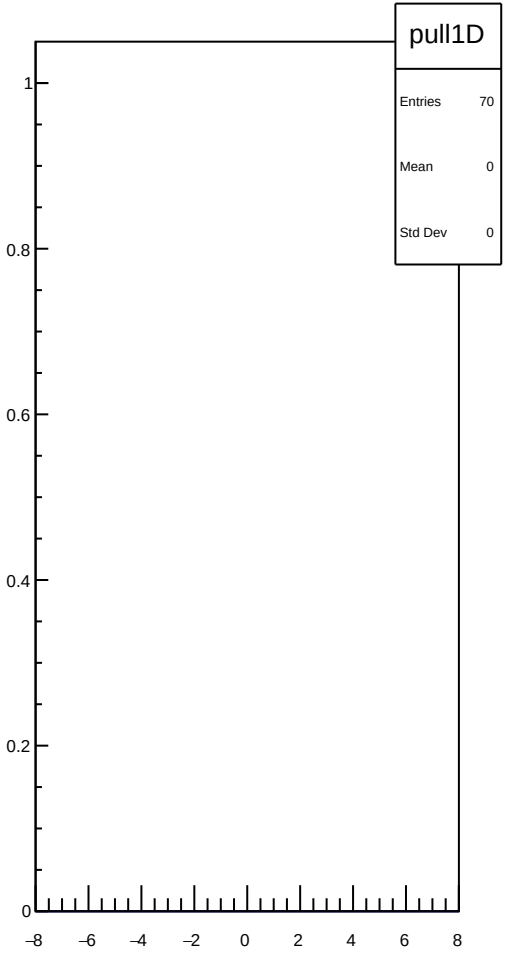

yield_cav4cY_rms vs run
χ² / ndf 4.637e+04 / 69
p0 0.2865 ± 0.000254
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

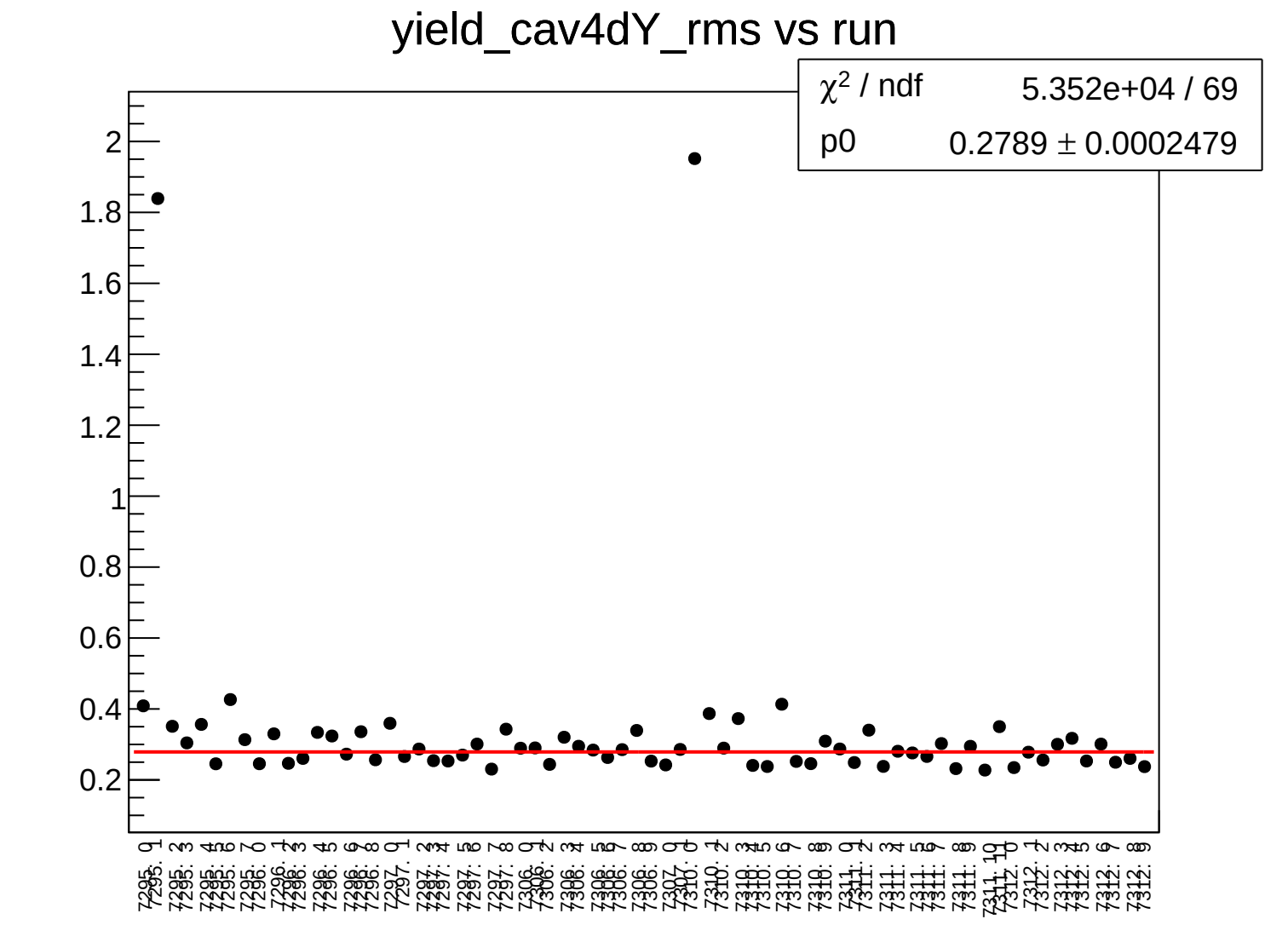

yield_cav4dX_mean vs run
χ² / ndf 4.045e+06 / 69
p0 1.506 ± 0.0005288
pull
Entries 70
Mean −105.2
Std Dev 0

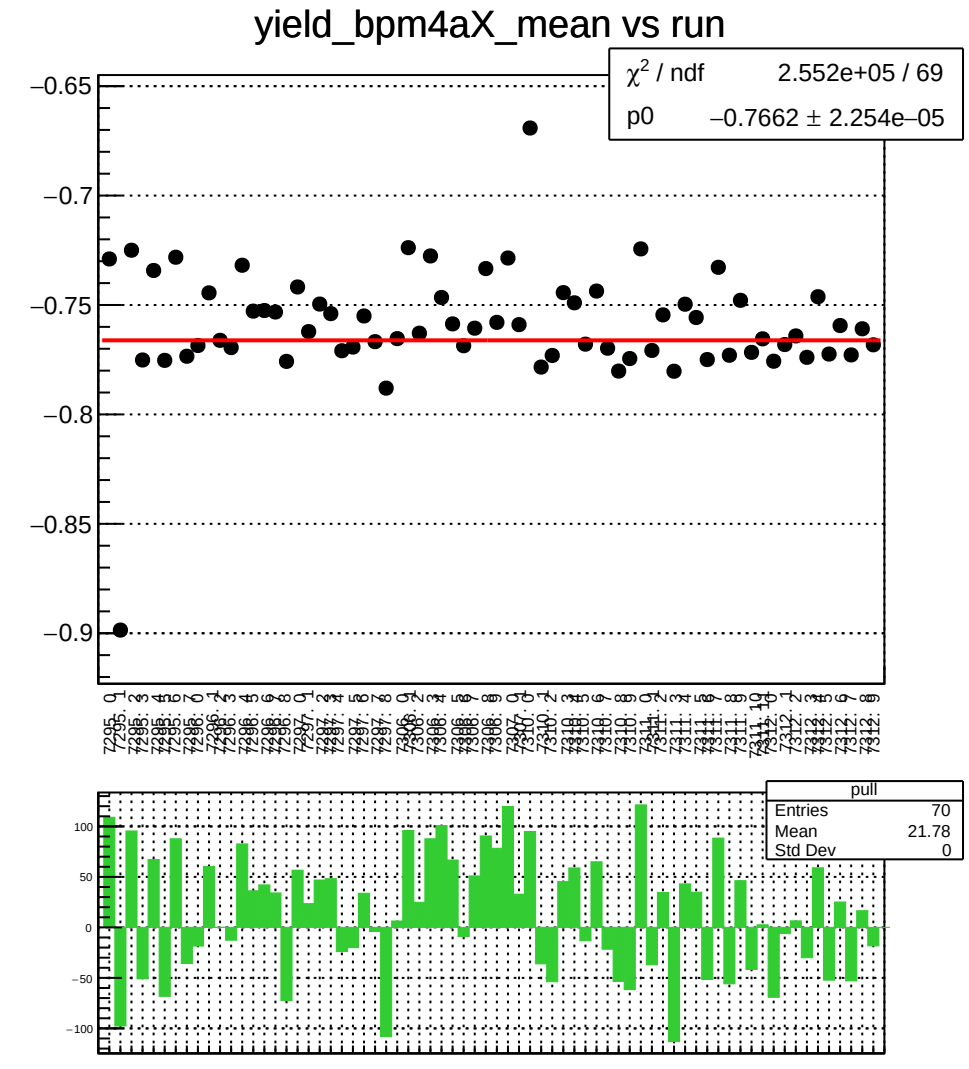

pull1D
Entries 70
Mean −4.269
Std Dev 3.183

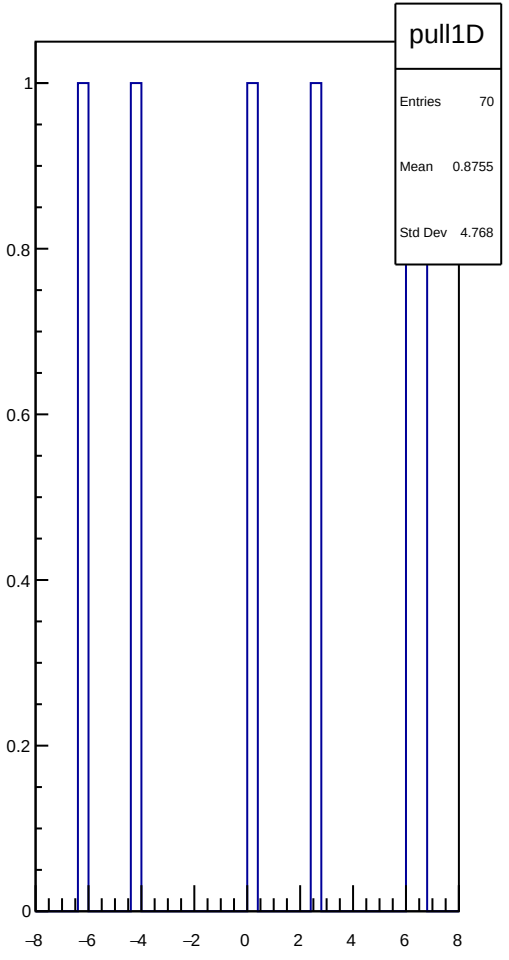

yield_cav4dX_rms vs run
χ² / ndf 2.421e+05 / 69
p0 0.388 ± 0.0003739
3
2.5
2
1.5
1
0.5

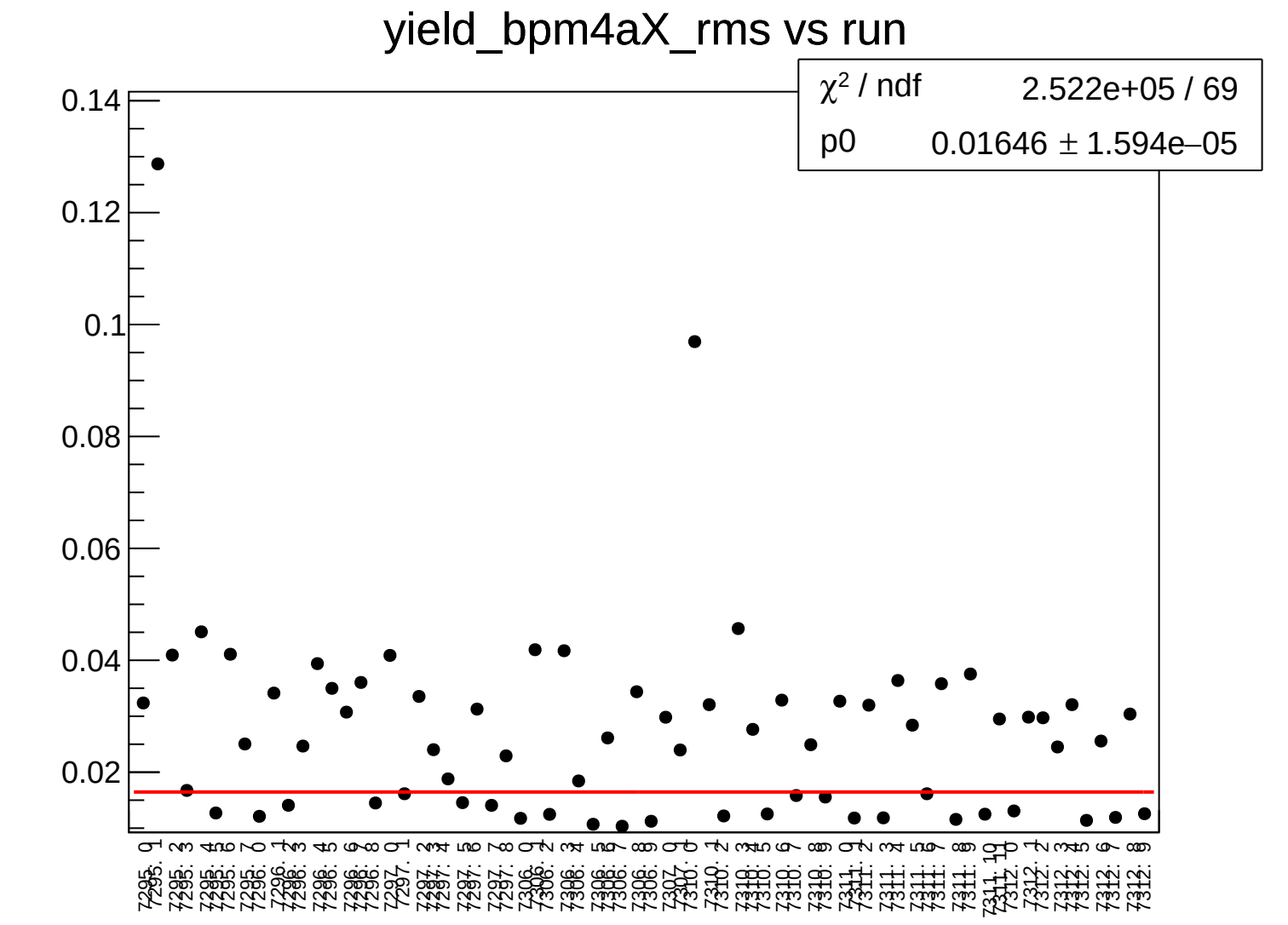

yield_cav4dY_mean vs run
χ² / ndf 5.871e+06 / 69
p0 −32.49 ± 0.0003506
−31.5
−32
−32.5
−33
−33.5
−34
−34.5
pull
Entries 70
Mean −6275
Std Dev 0
400
200
0
−200
−400
−600

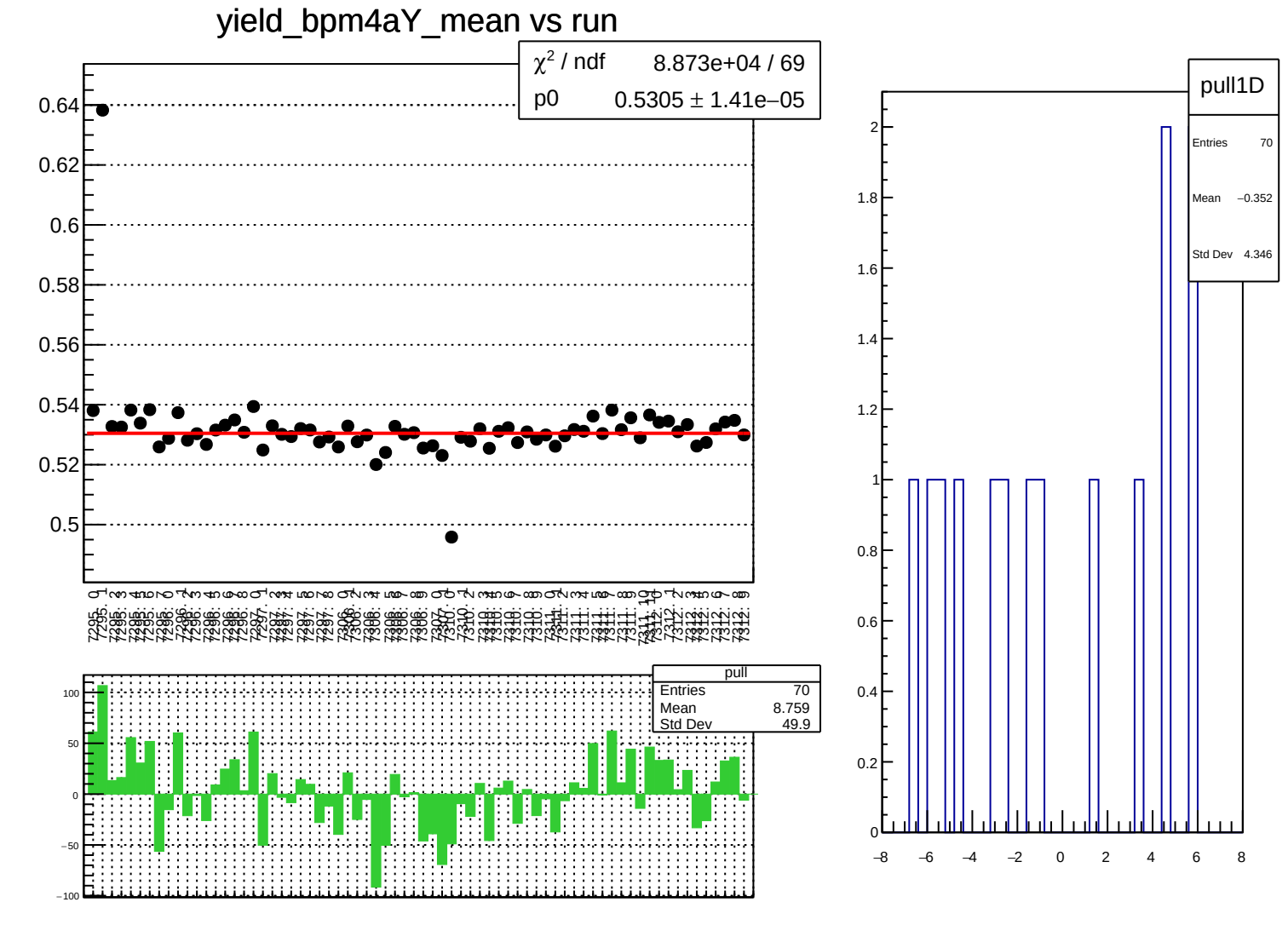

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

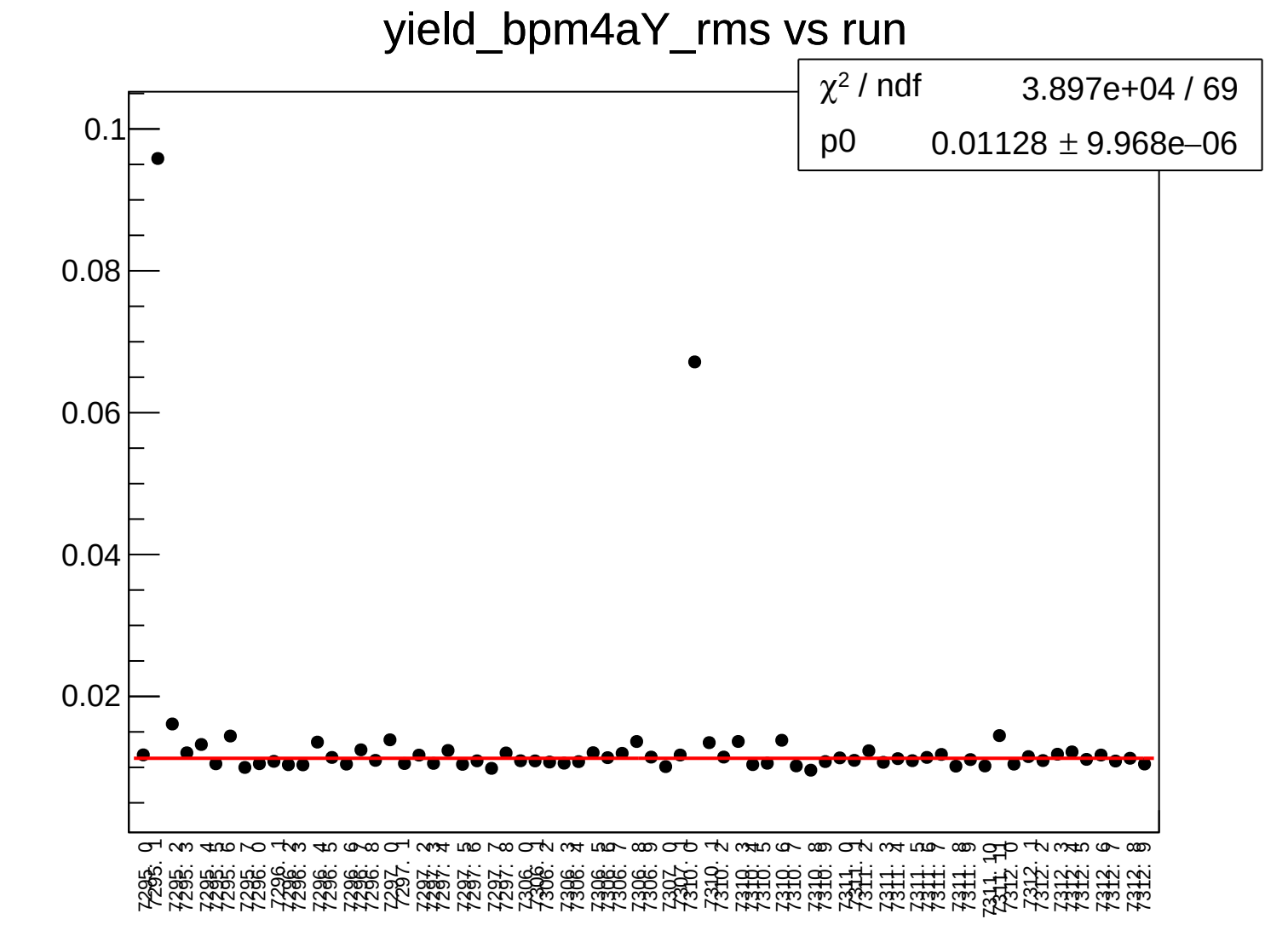

yield_cav4dY_rms vs run
χ² / ndf 5.352e+04 / 69
p0 0.2789 ± 0.0002479
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

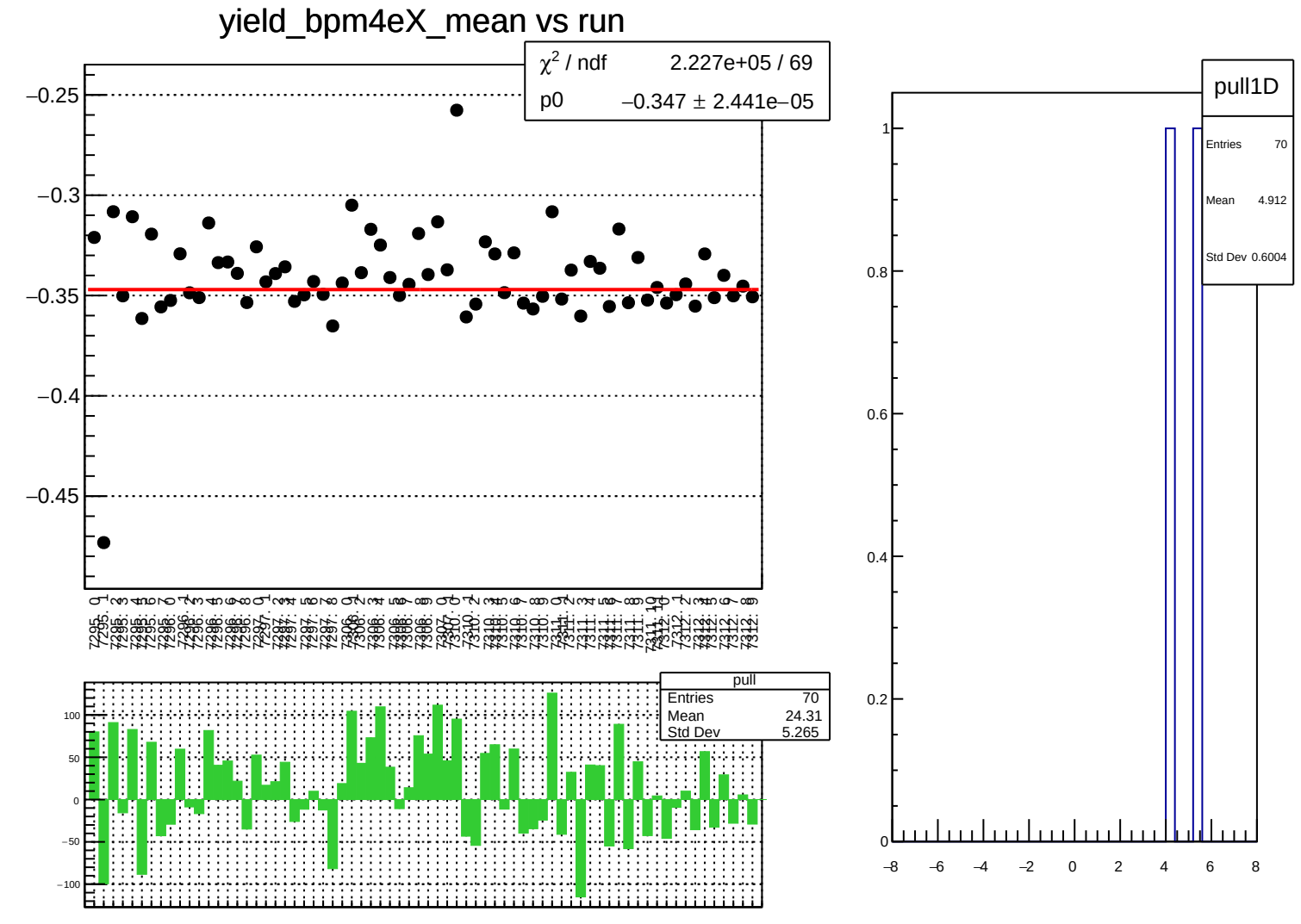

yield_bpm4aX_mean vs run
χ² / ndf 2.552e+05 / 69
p0 −0.7662 ± 2.254e−05
−0.65
−0.7
−0.75
−0.8
−0.85
−0.9
pull
Entries 70
Mean 21.78
Std Dev 0
100
50
0
−50
−100

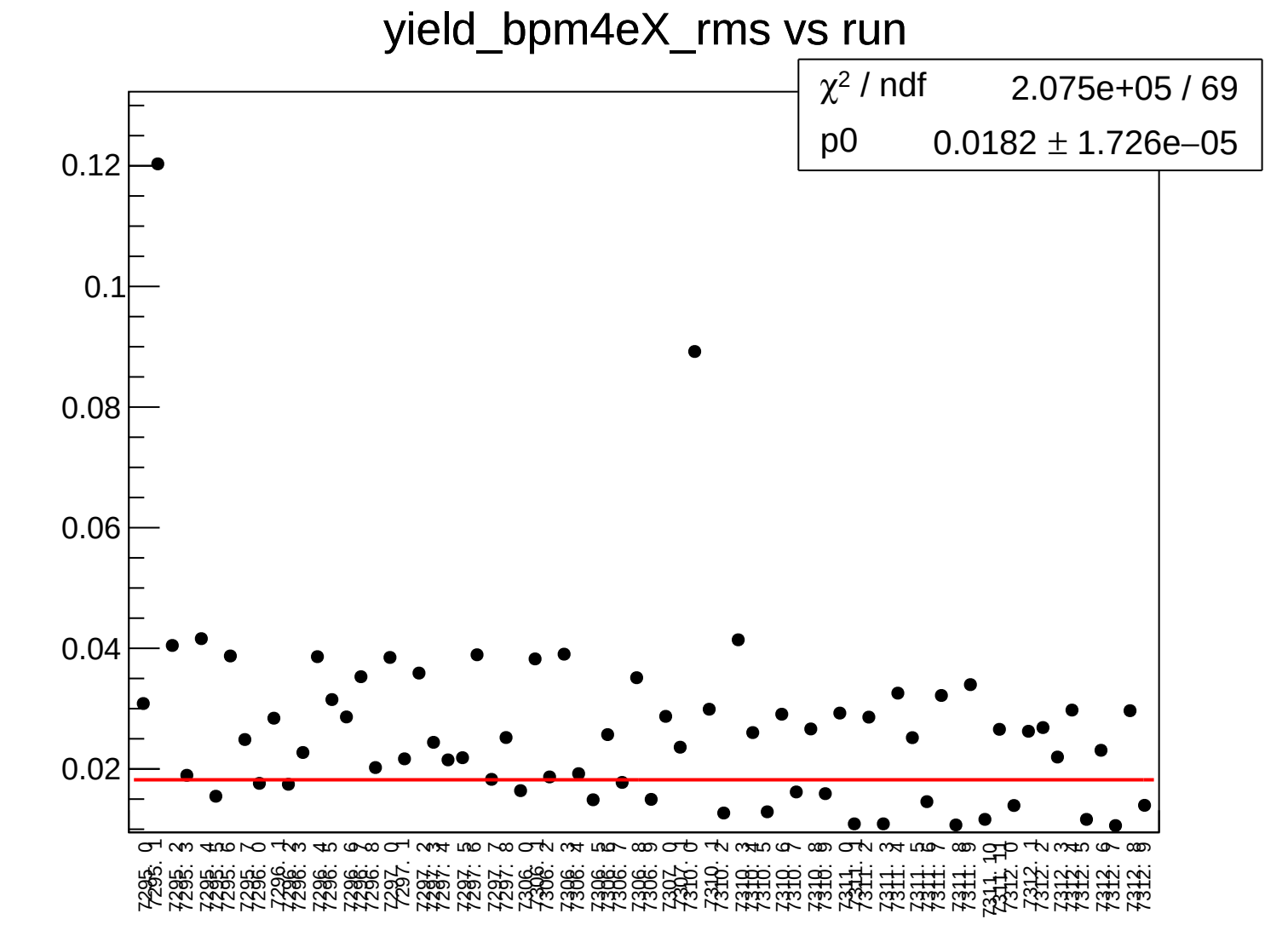

pull1D
Entries 70
Mean 0.8755
Std Dev 4.768
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

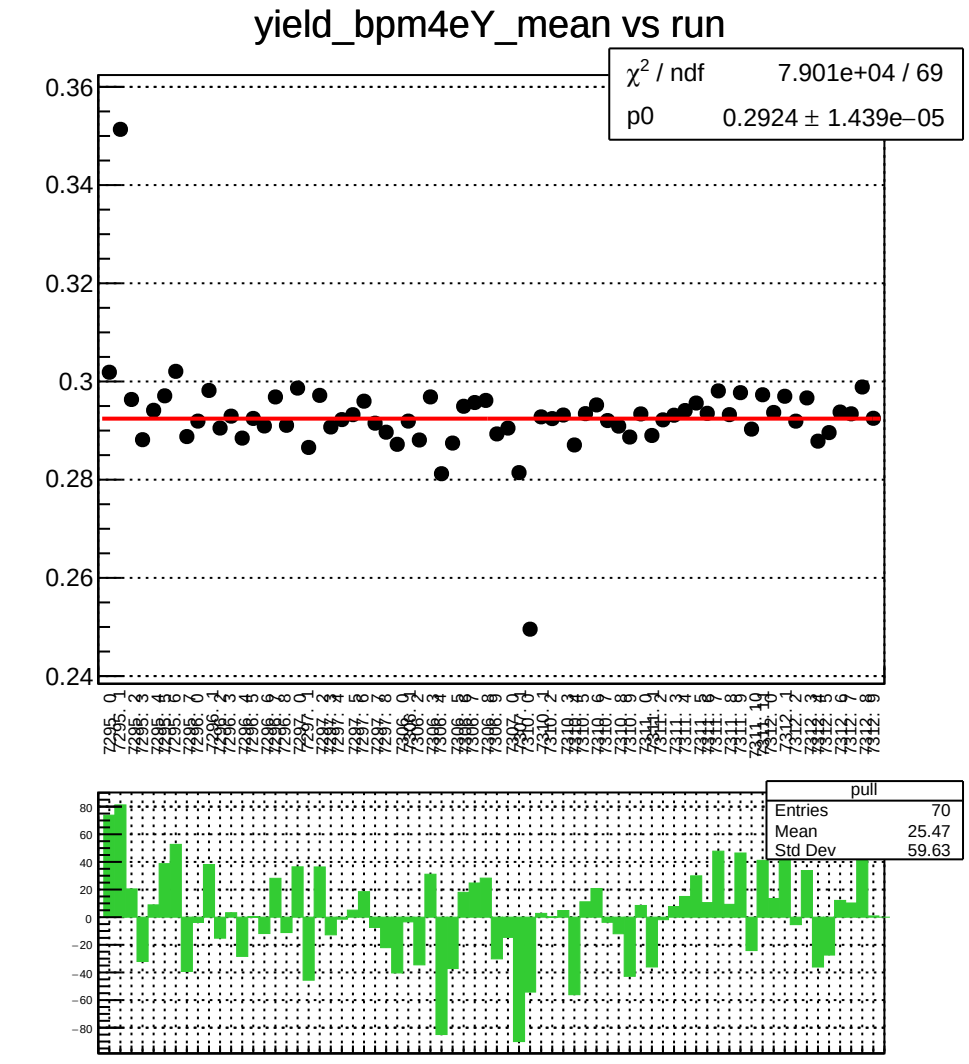

yield_bpm4aX_rms vs run
χ² / ndf 2.522e+05 / 69
p0 0.01646 ± 1.594e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

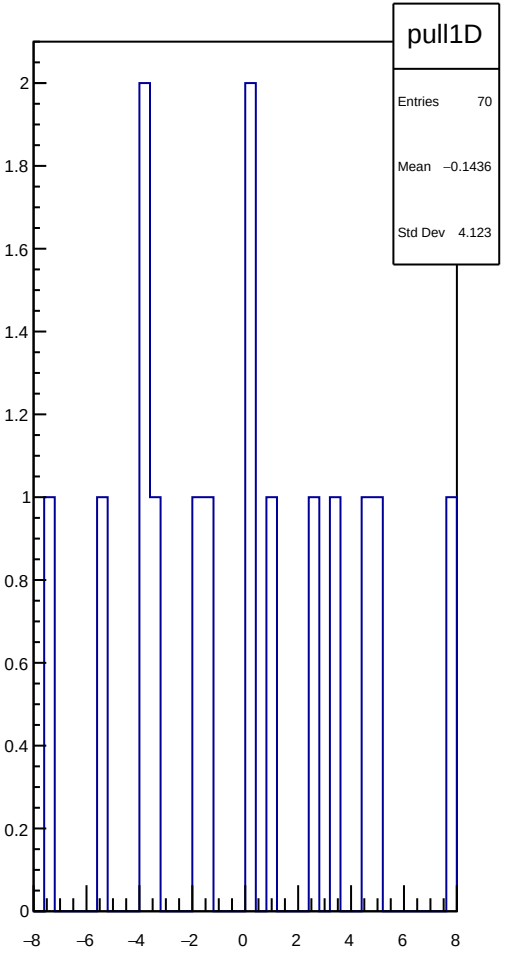

yield_bpm4aY_mean vs run
χ² / ndf 8.873e+04 / 69
p0 0.5305 ± 1.41e−05
pull
Entries 70
Mean 8.759
Std Dev 49.9
pull1D
Entries 70
Mean −0.352
Std Dev 4.346

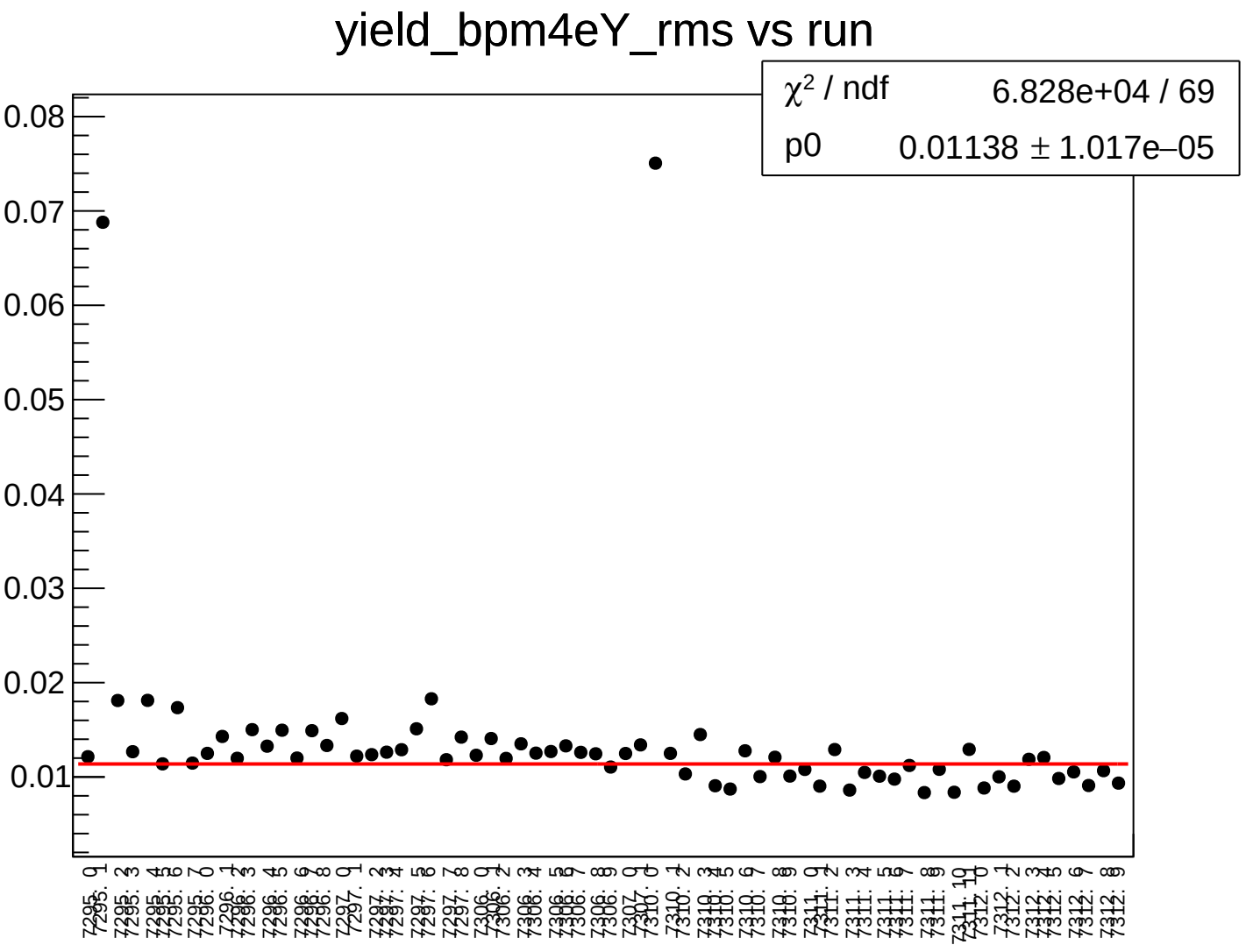

yield_bpm4aY_rms vs run
χ² / ndf 3.897e+04 / 69
p0 0.01128 ± 9.968e–06
0.1
0.08
0.06
0.04
0.02

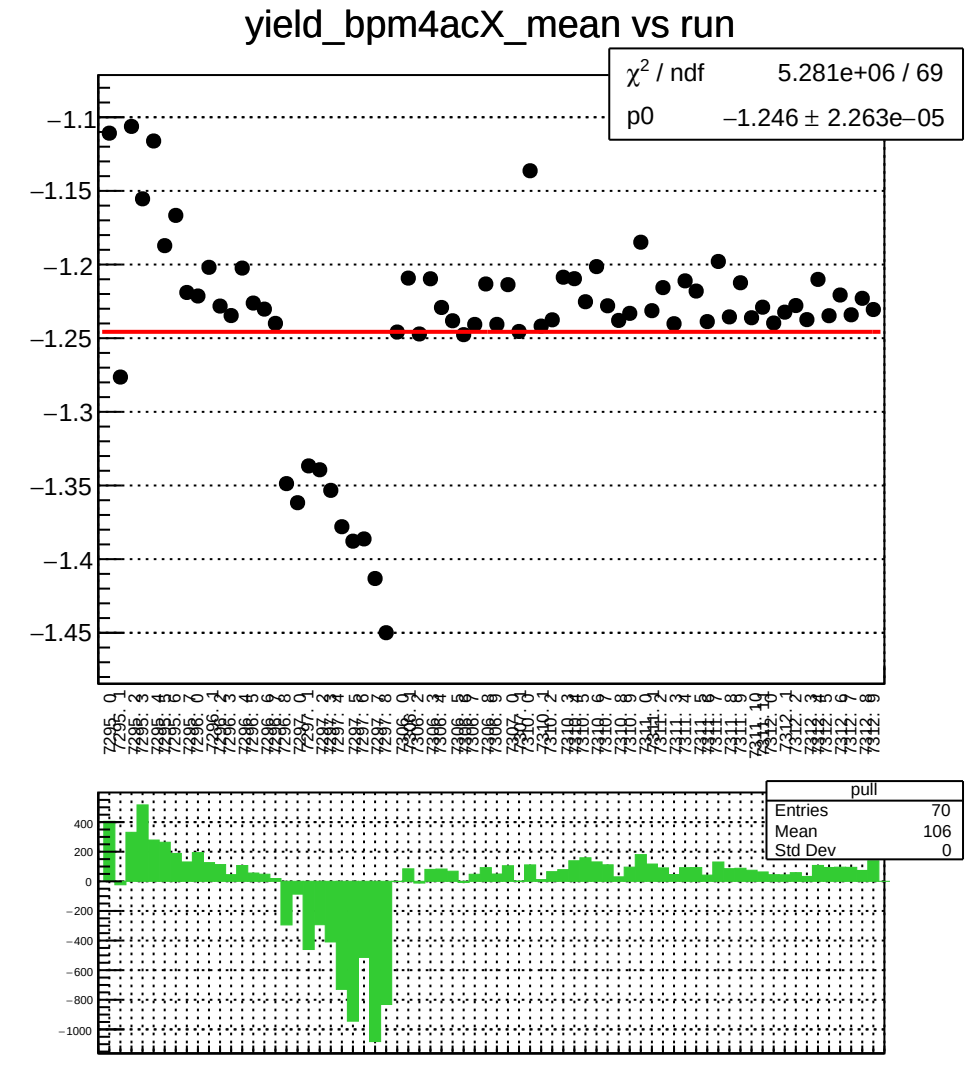

yield_bpm4eX_mean vs run
χ² / ndf 2.227e+05 / 69
p0 −0.347 ± 2.441e−05
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 70
Mean 24.31
Std Dev 5.265
100
50
0
−50
−100
pull1D
Entries 70
Mean 4.912
Std Dev 0.6004
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

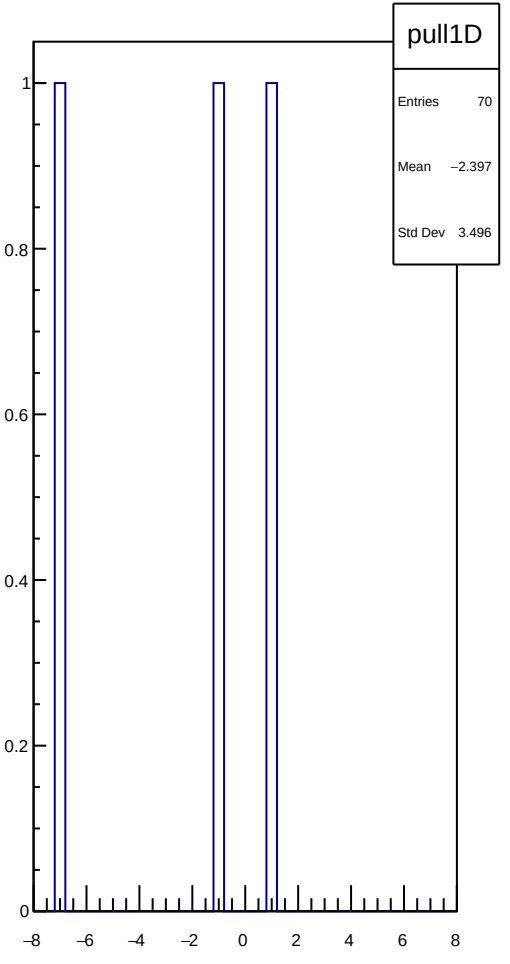

yield_bpm4eX_rms vs run
χ² / ndf 2.075e+05 / 69
p0 0.0182 ± 1.726e−05
0.12
0.1
0.08
0.06
0.04
0.02

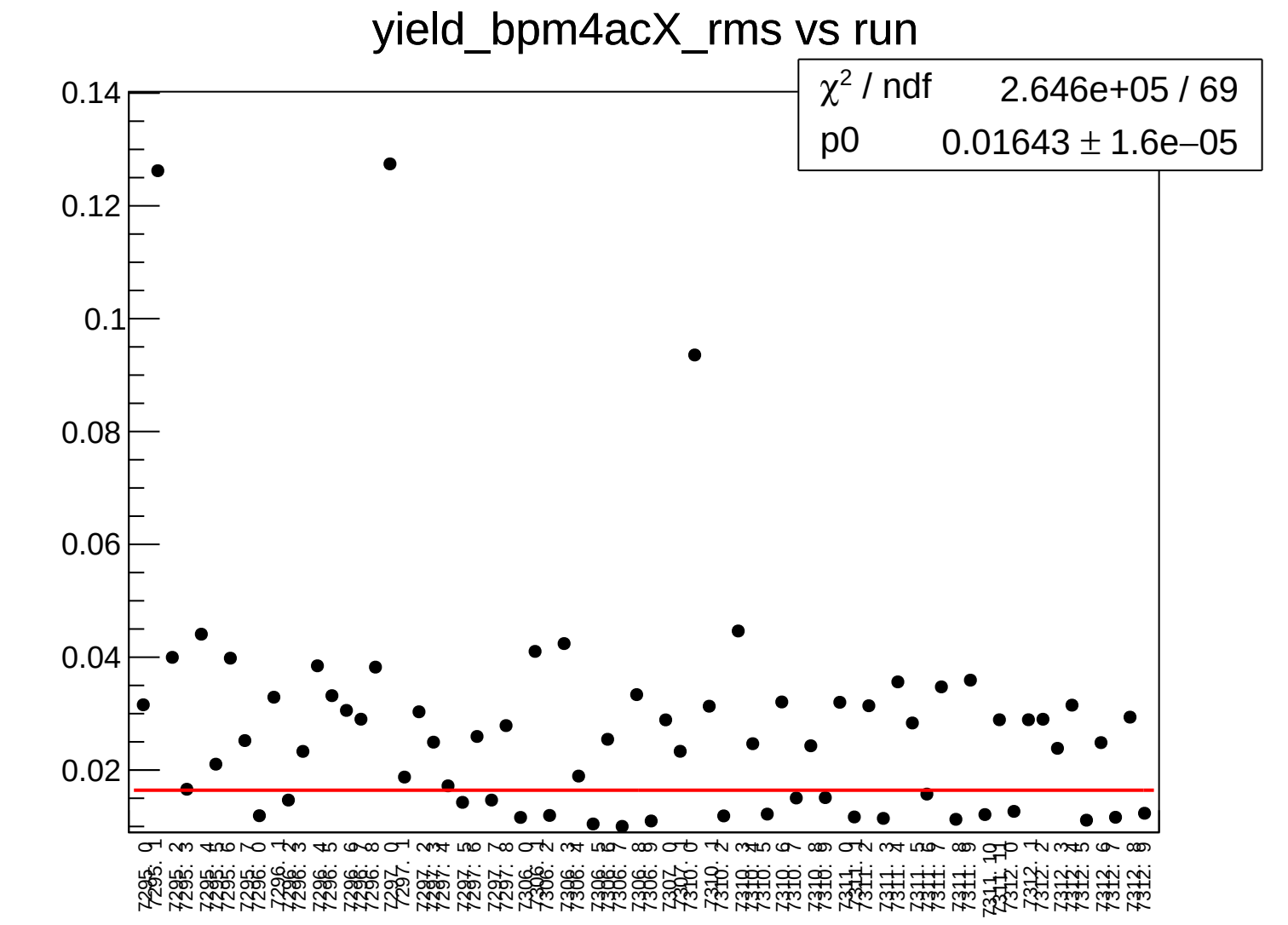

yield_bpm4eY_mean vs run
χ² / ndf 7.901e+04 / 69
p0 0.2924 ± 1.439e−05
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 70
Mean 25.47
Std Dev 59.63
80
60
40
20
0
−20
−40
−60
−80

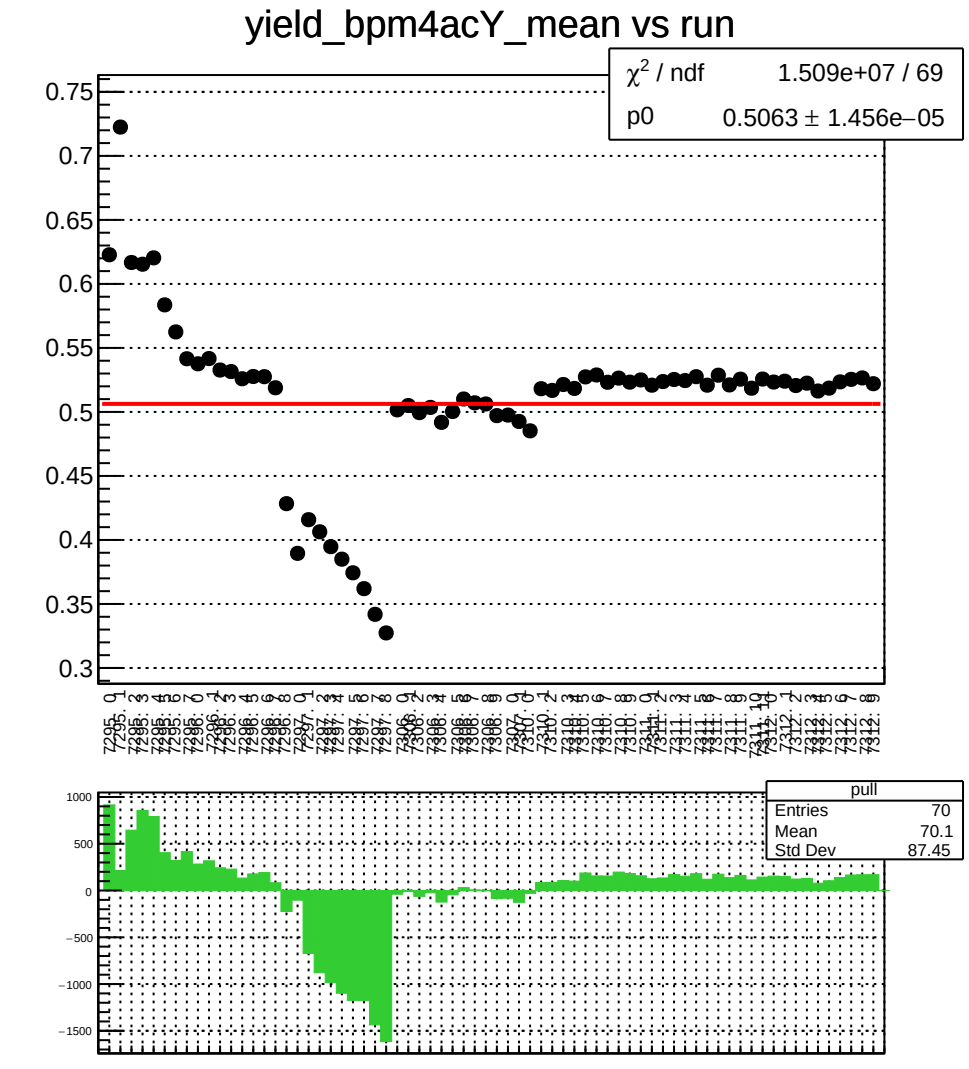

pull1D
Entries 70
Mean −0.1436
Std Dev 4.123
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

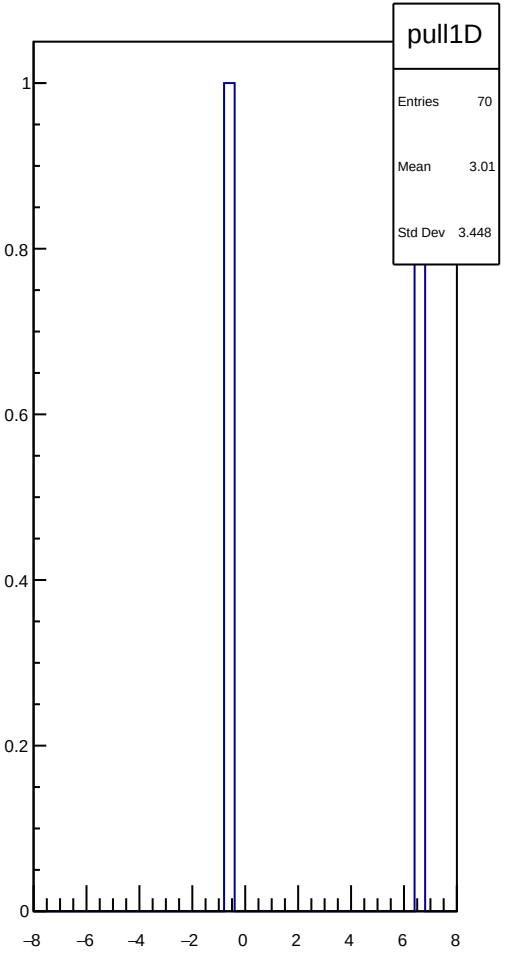

yield_bpm4eY_rms vs run
χ² / ndf 6.828e+04 / 69
p0 0.01138 ± 1.017e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

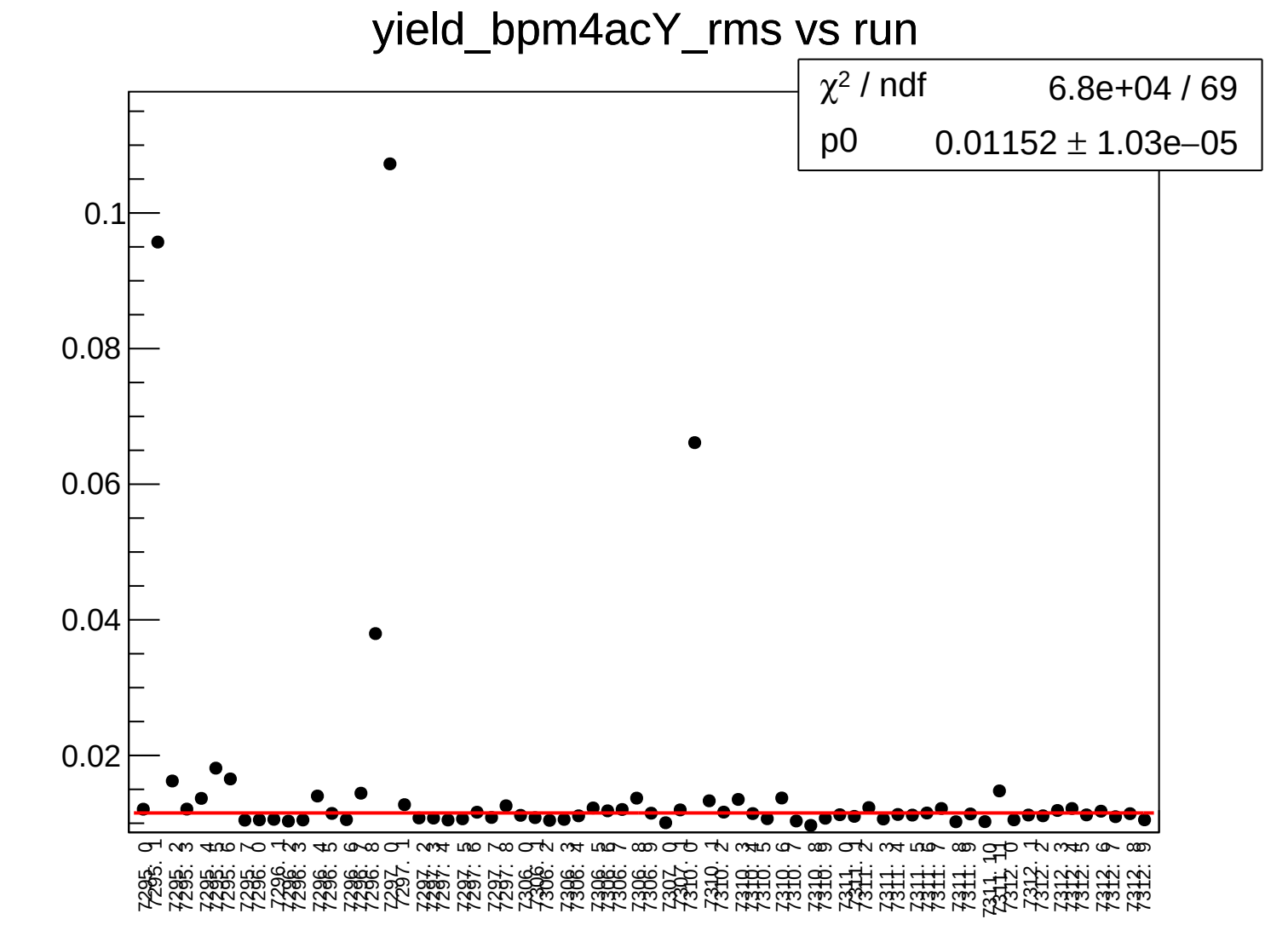

yield_bpm4acX_mean vs run
χ² / ndf 5.281e+06 / 69
p0 −1.246 ± 2.263e−05
−1.1
−1.15
−1.2
−1.25
−1.3
−1.35
−1.4
−1.45
pull
Entries 70
Mean 106
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

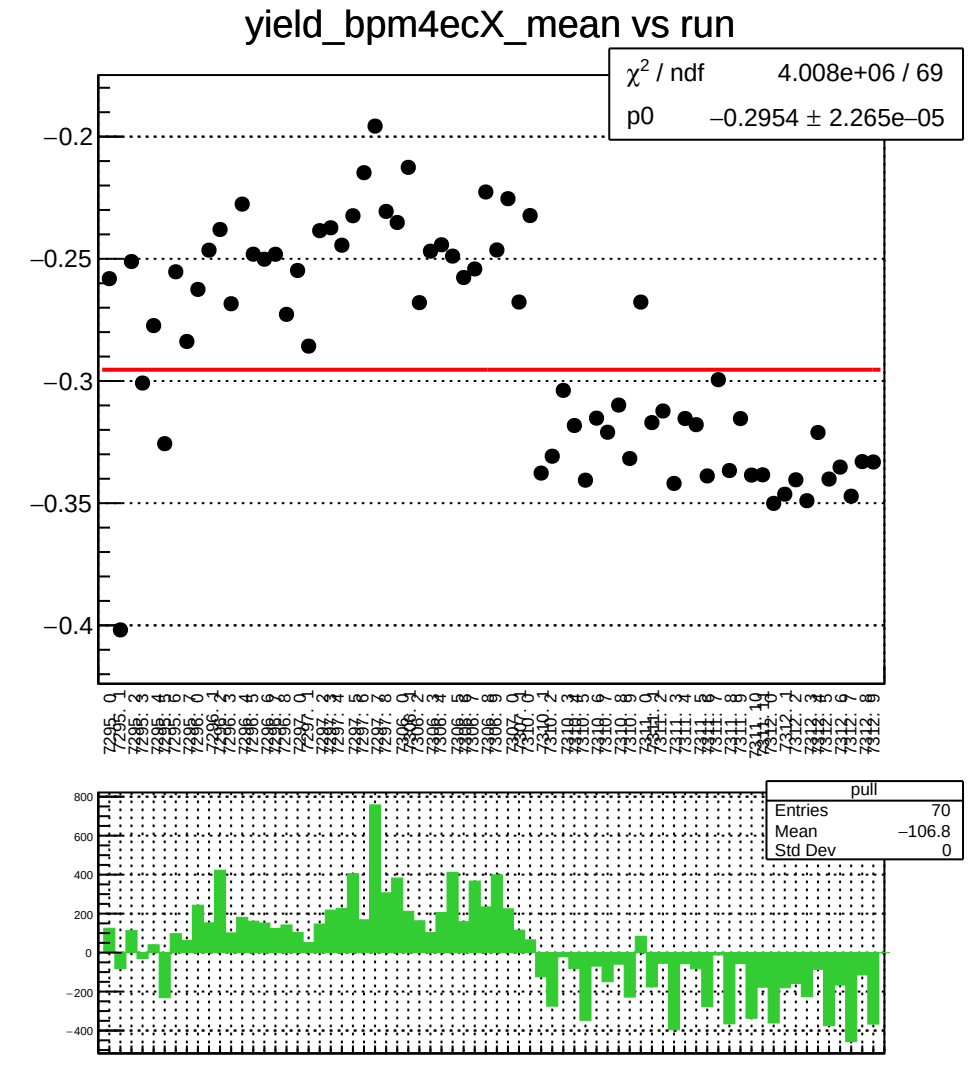

pull1D
Entries 70
Mean −2.397
Std Dev 3.496
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

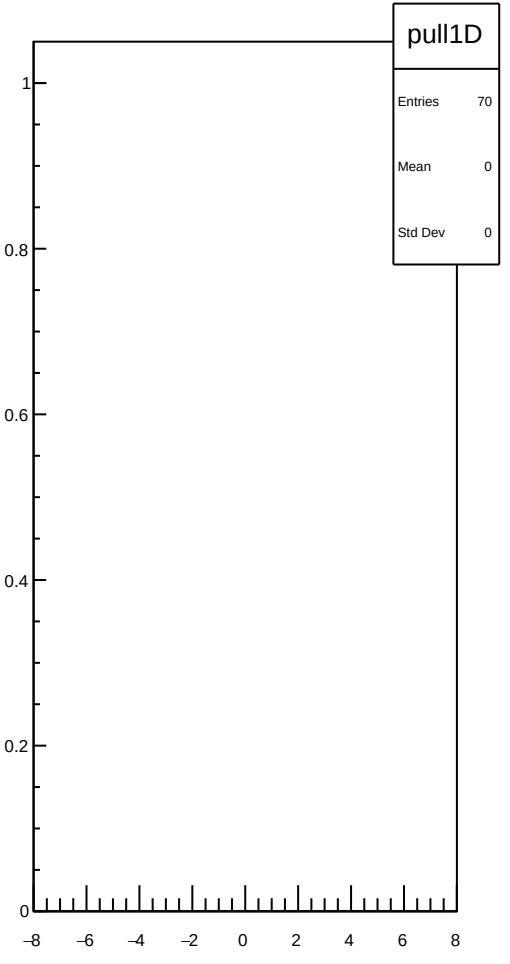

yield_bpm4acX_rms vs run
χ² / ndf 2.646e+05 / 69
p0 0.01643 ± 1.6e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

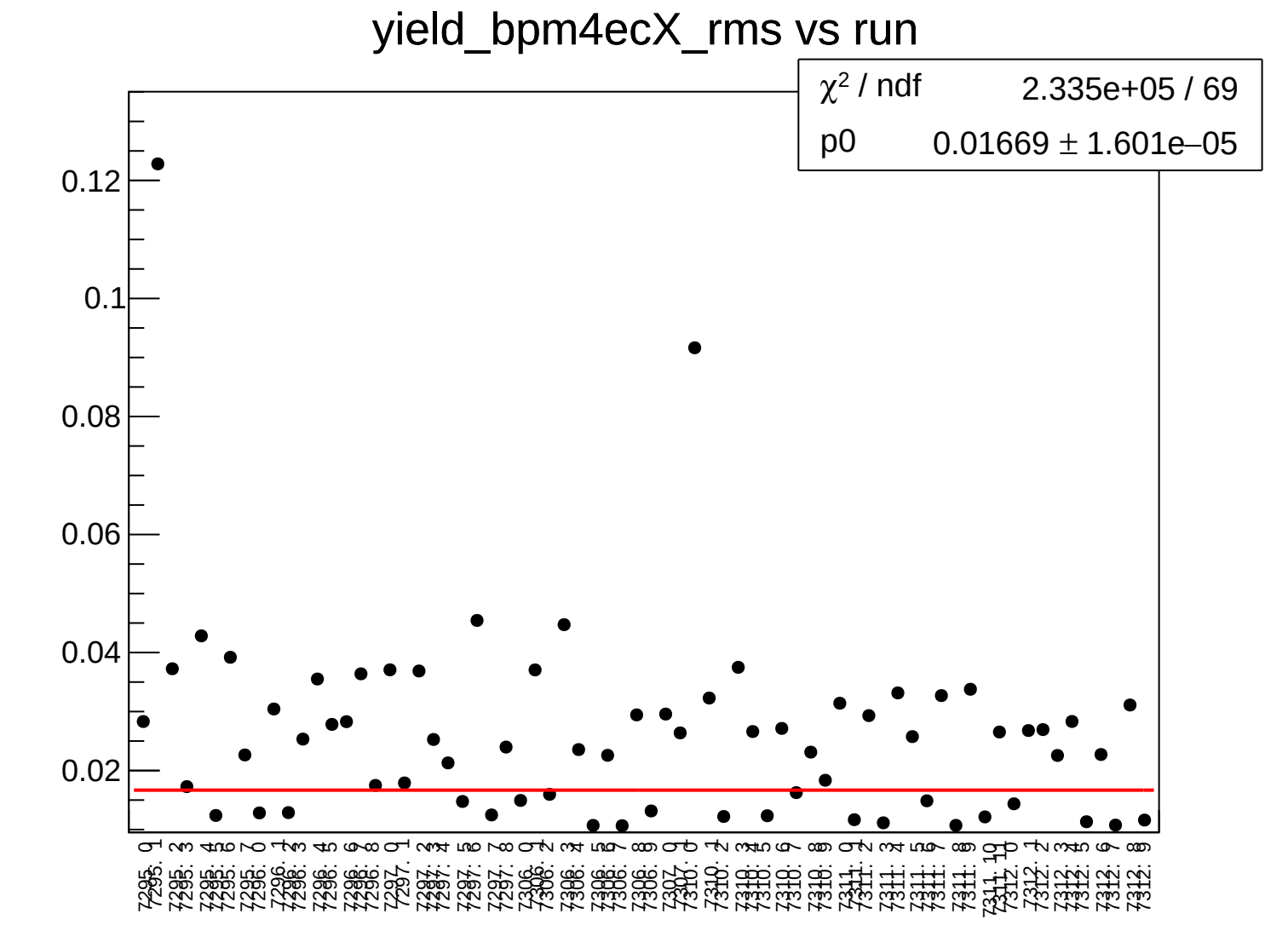

yield_bpm4acY_mean vs run
χ² / ndf 1.509e+07 / 69
p0 0.5063 ± 1.456e−05
pull
Entries 70
Mean 70.1
Std Dev 87.45

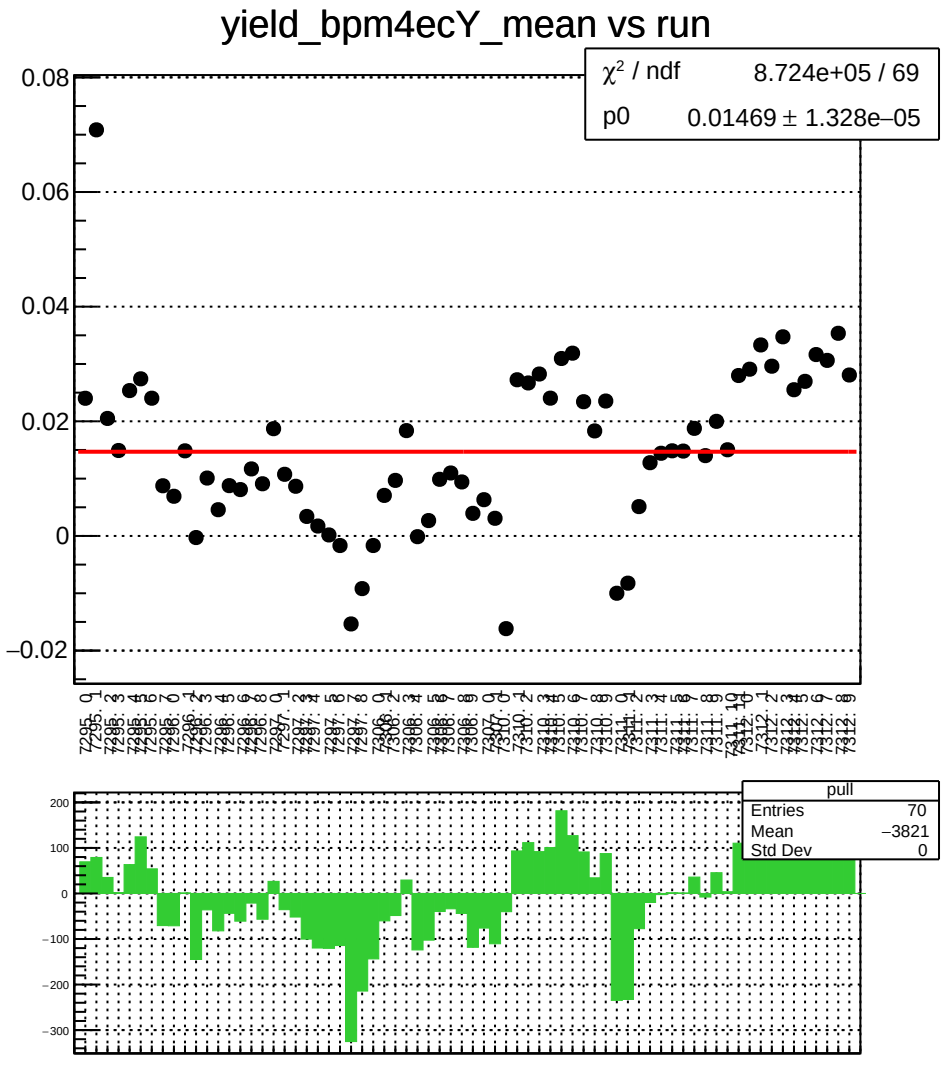

pull1D
Entries 70
Mean 3.01
Std Dev 3.448

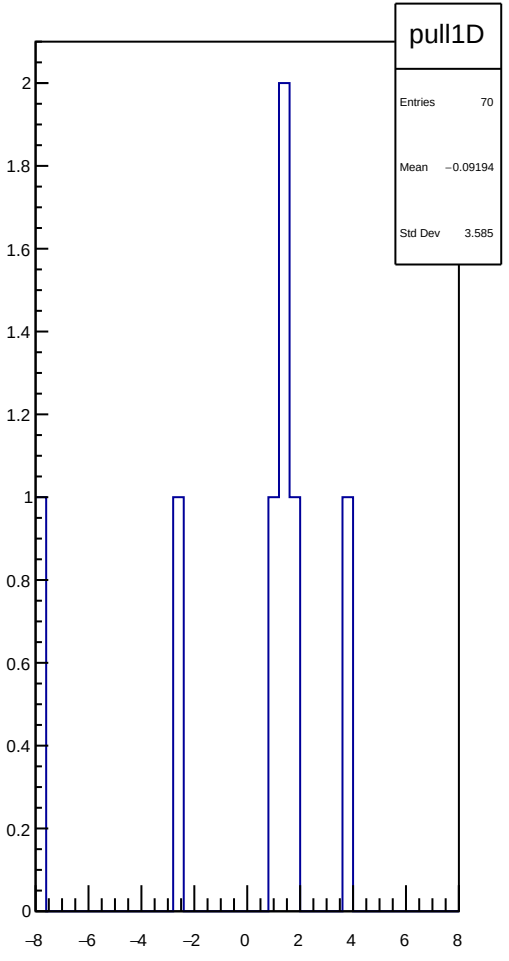

yield_bpm4acY_rms vs run
χ² / ndf 6.8e+04 / 69
p0 0.01152 ± 1.03e−05
0.1
0.08
0.06
0.04
0.02

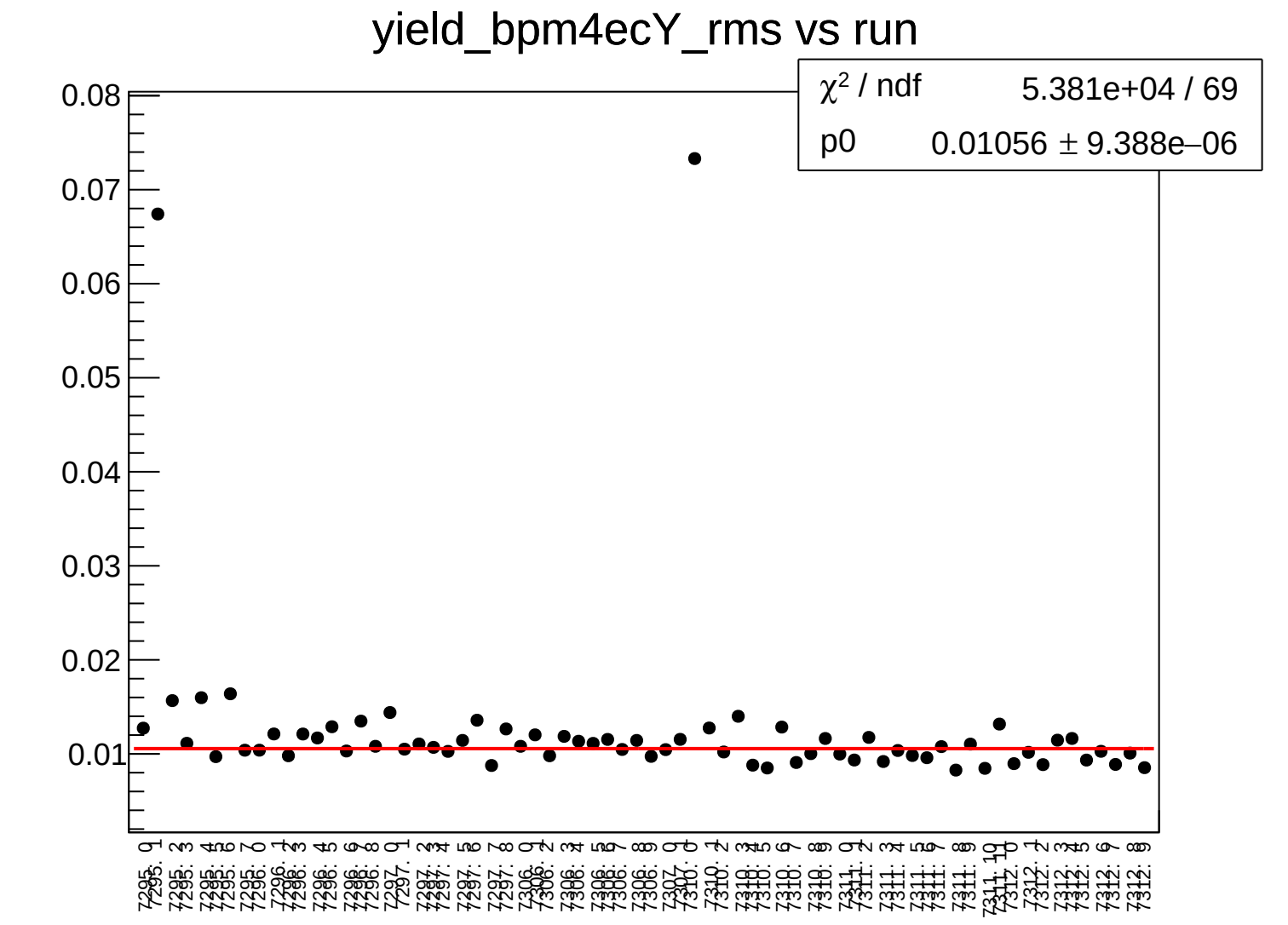

yield_bpm4ecX_mean vs run
χ² / ndf 4.008e+06 / 69
p0 −0.2954 ± 2.265e−05
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 70
Mean −106.8
Std Dev 0
800
600
400
200
0
−200
−400

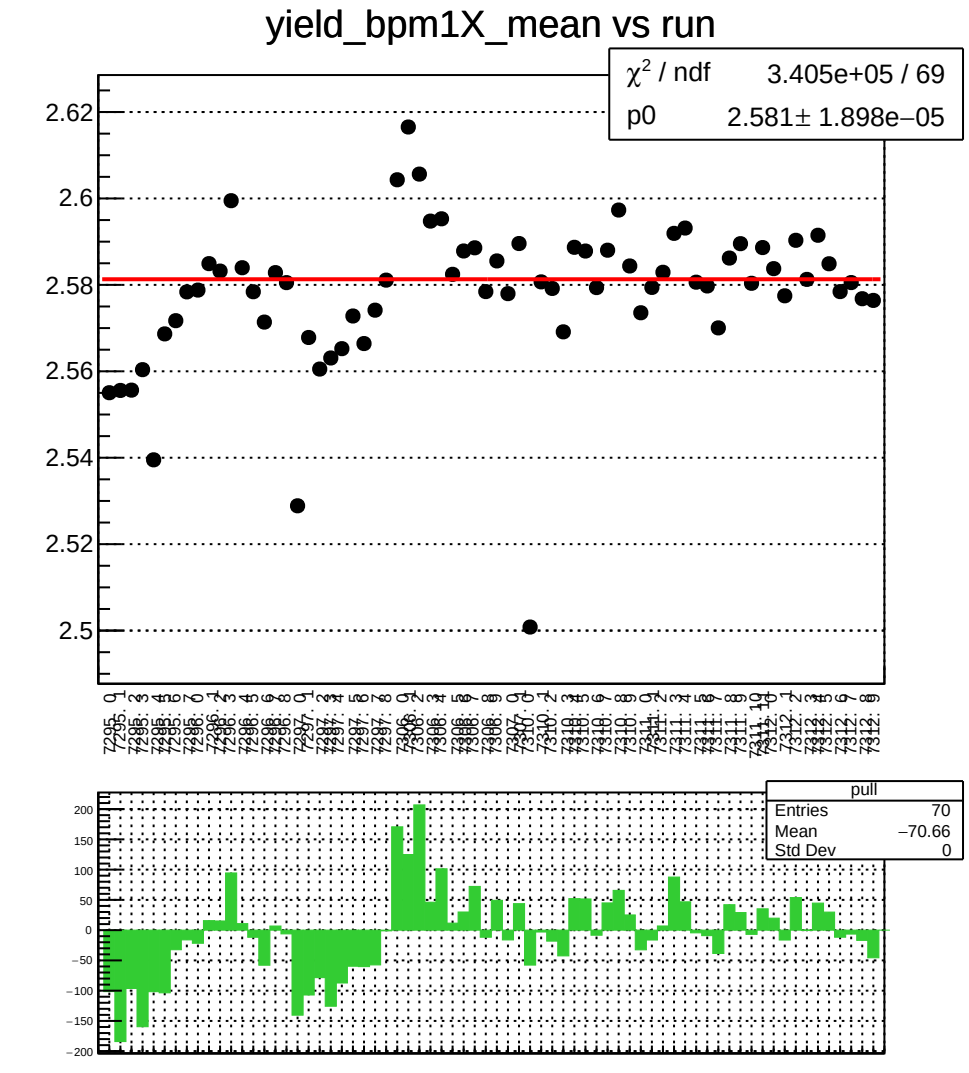

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

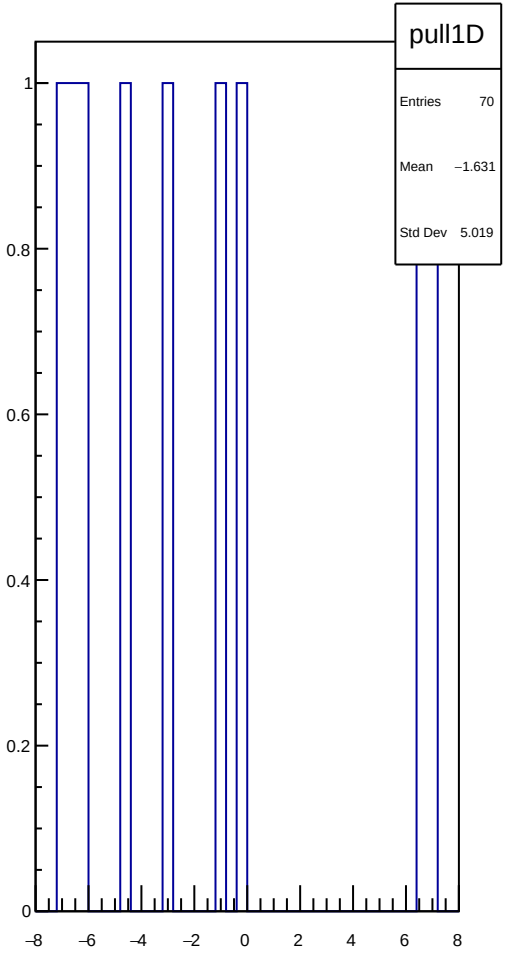

yield_bpm4ecX_rms vs run
χ² / ndf 2.335e+05 / 69
p0 0.01669 ± 1.601e−05
0.12
0.1
0.08
0.06
0.04
0.02

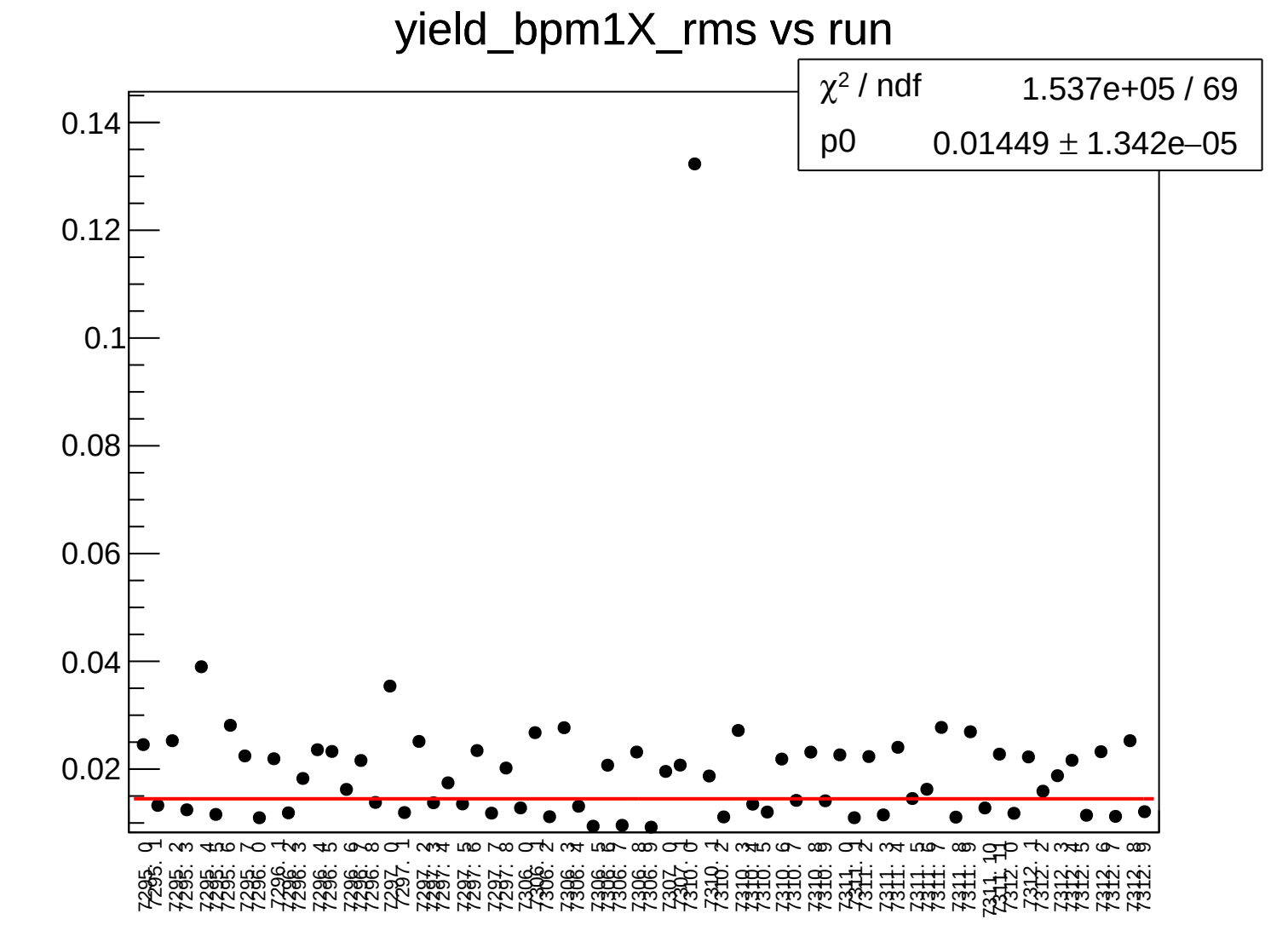

yield_bpm4ecY_mean vs run
χ² / ndf 8.724e+05 / 69
p0 0.01469 ± 1.328e−05
0.08
0.06
0.04
0.02
0
−0.02
pull
Entries 70
Mean −3821
Std Dev 0
200
100
0
−100
−200
−300

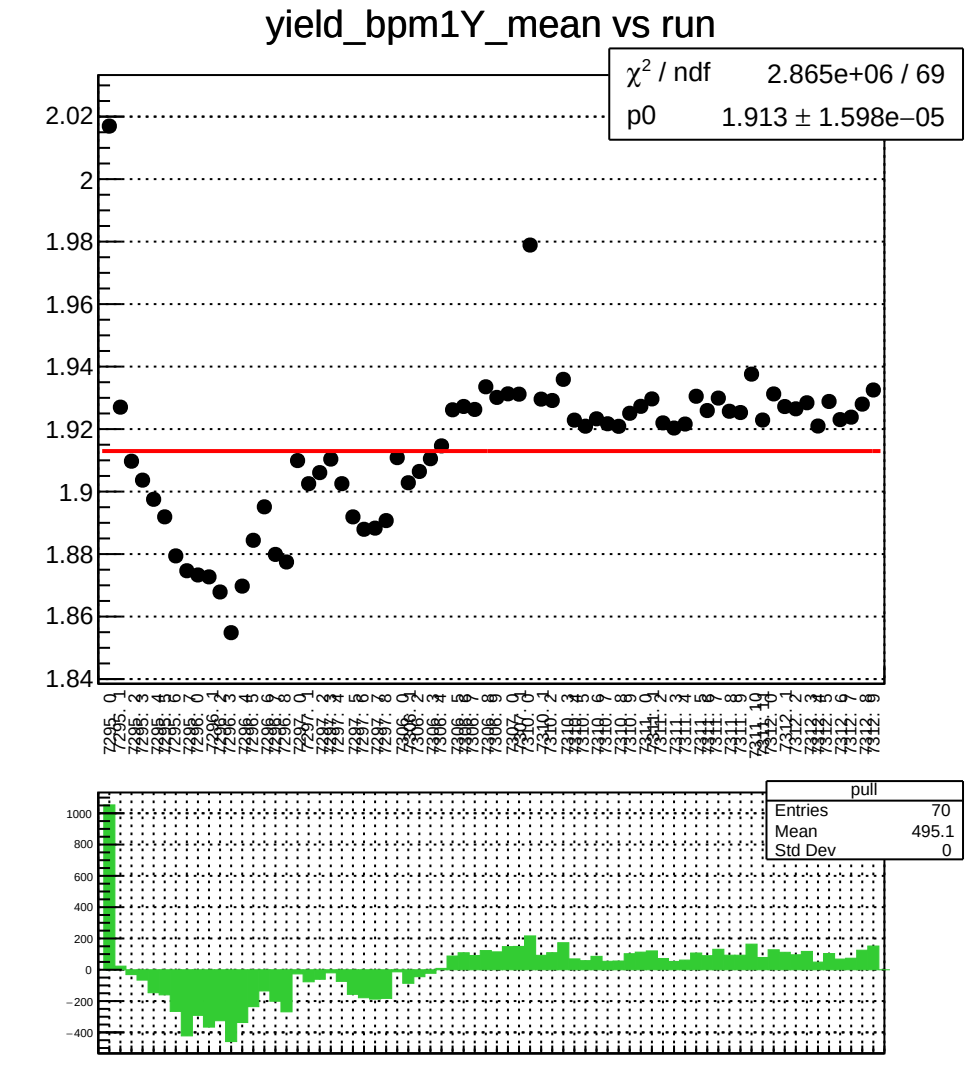

pull1D
Entries 70
Mean −0.09194
Std Dev 3.585
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

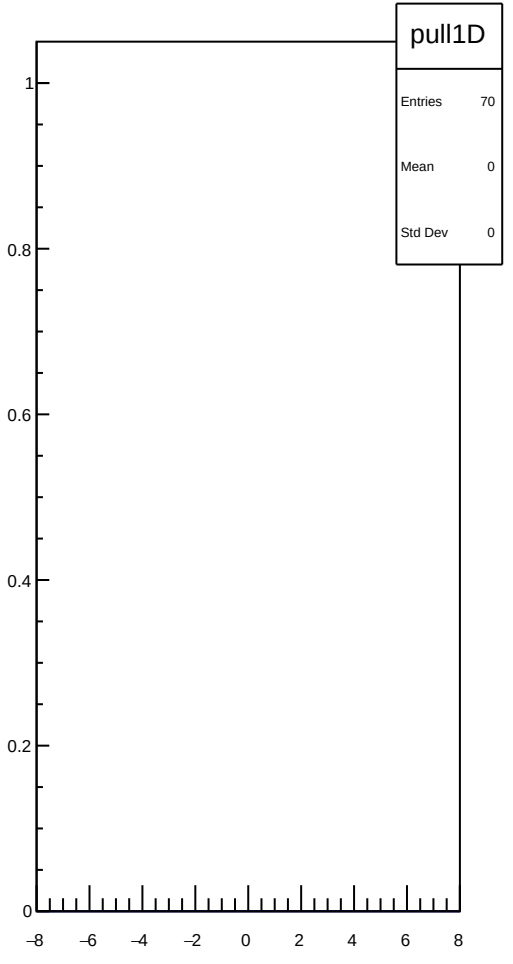

yield_bpm4ecY_rms vs run
χ² / ndf 5.381e+04 / 69
p0 0.01056 ± 9.388e–06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

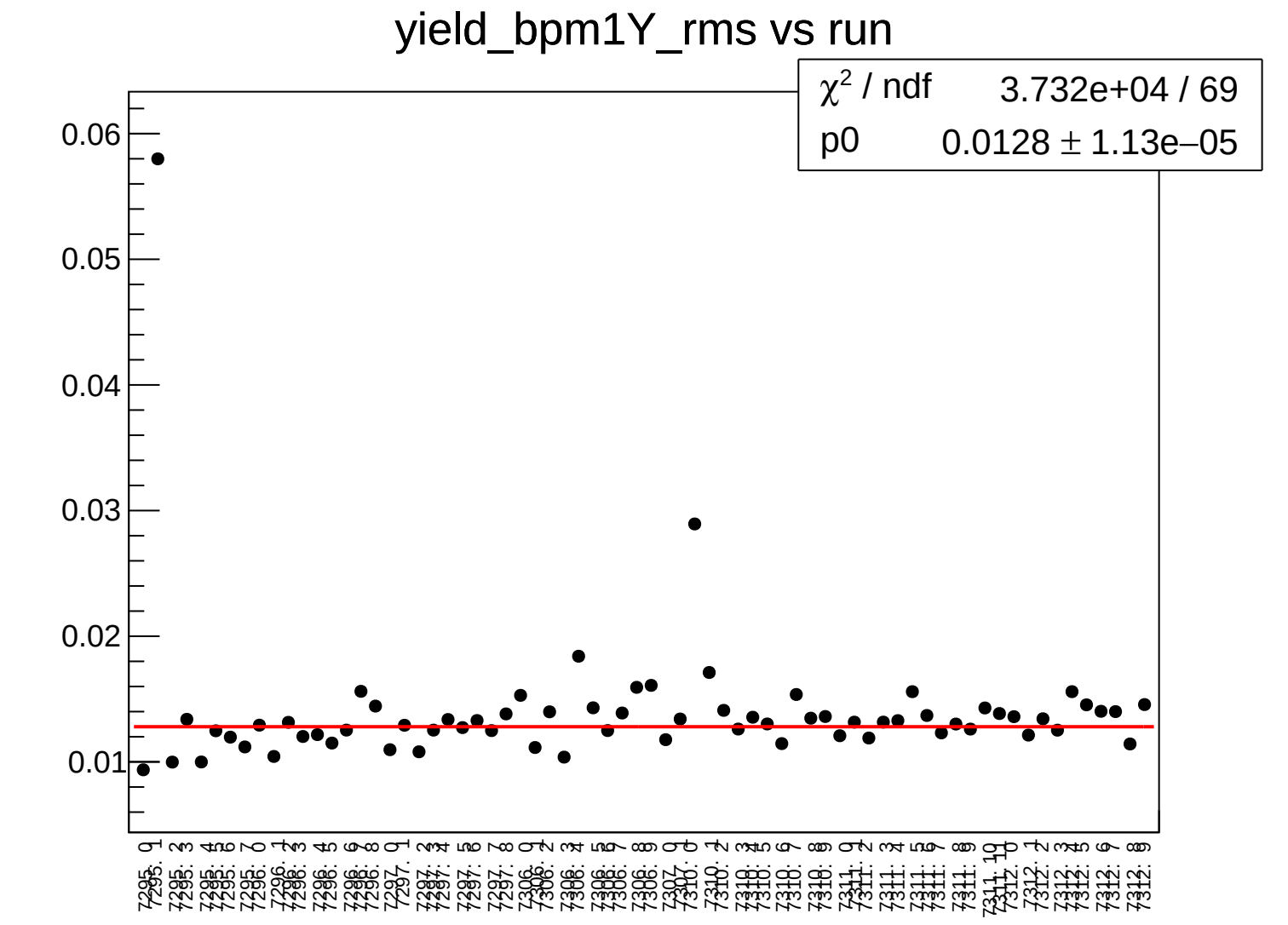

yield_bpm1X_mean vs run
χ² / ndf 3.405e+05 / 69
p0 2.581± 1.898e−05
2.62
2.6
2.58
2.56
2.54
2.52
2.5
pull
Entries 70
Mean −70.66
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

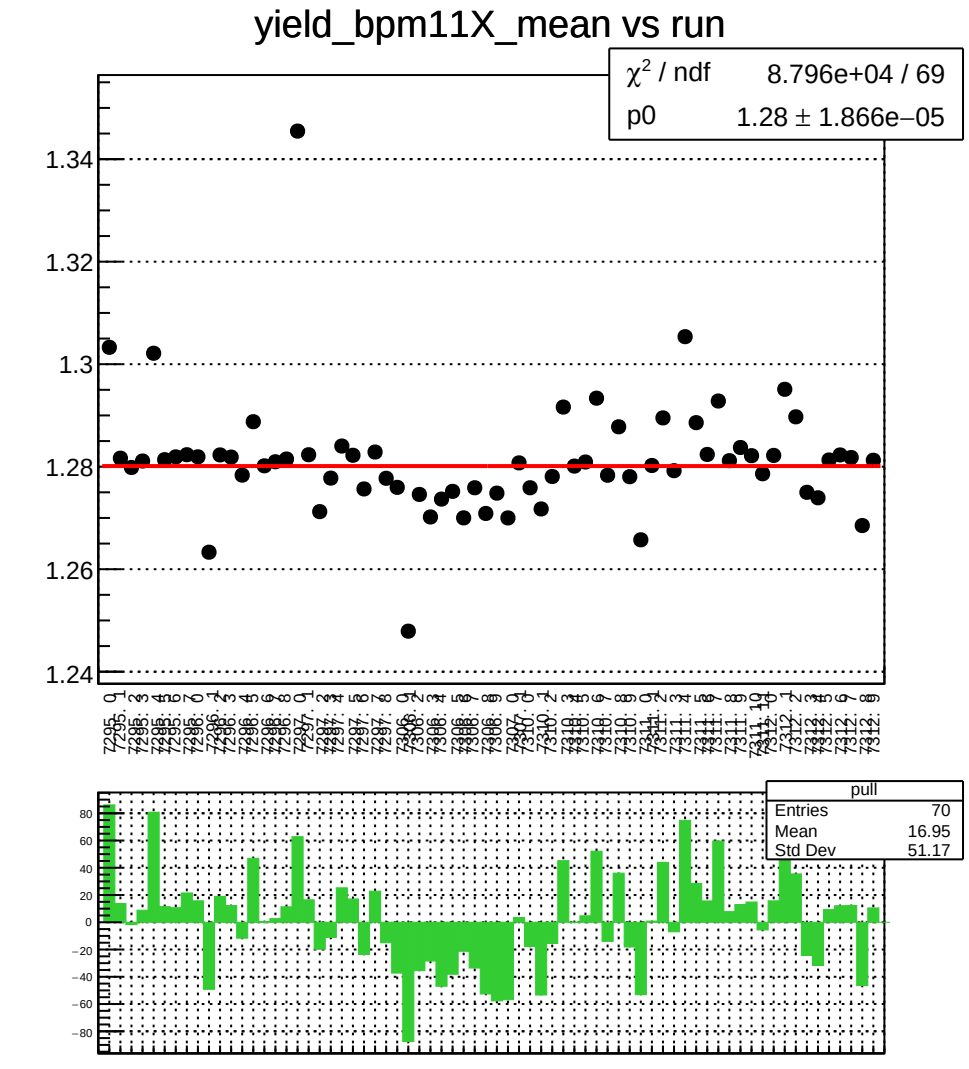

pull1D
Entries 70
Mean −1.631
Std Dev 5.019
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

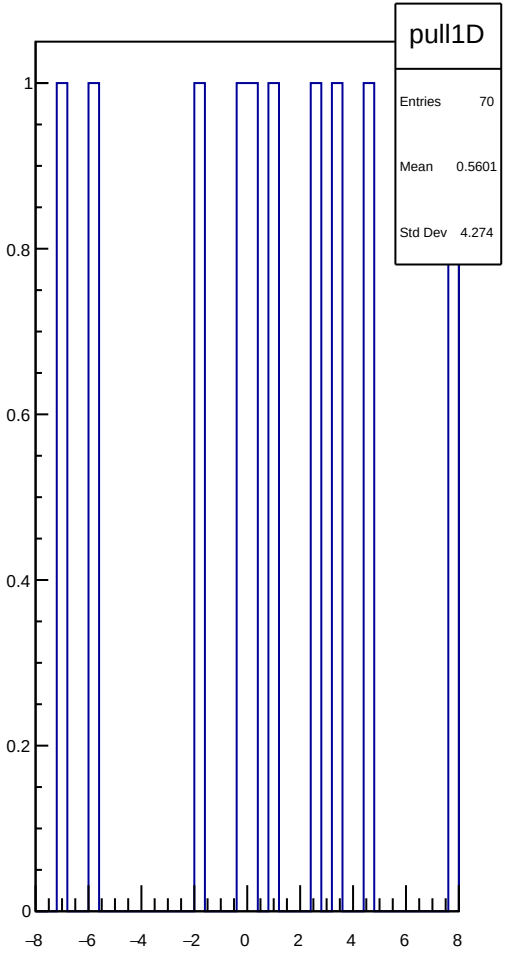

yield_bpm1X_rms vs run
χ² / ndf 1.537e+05 / 69
p0 0.01449 ± 1.342e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

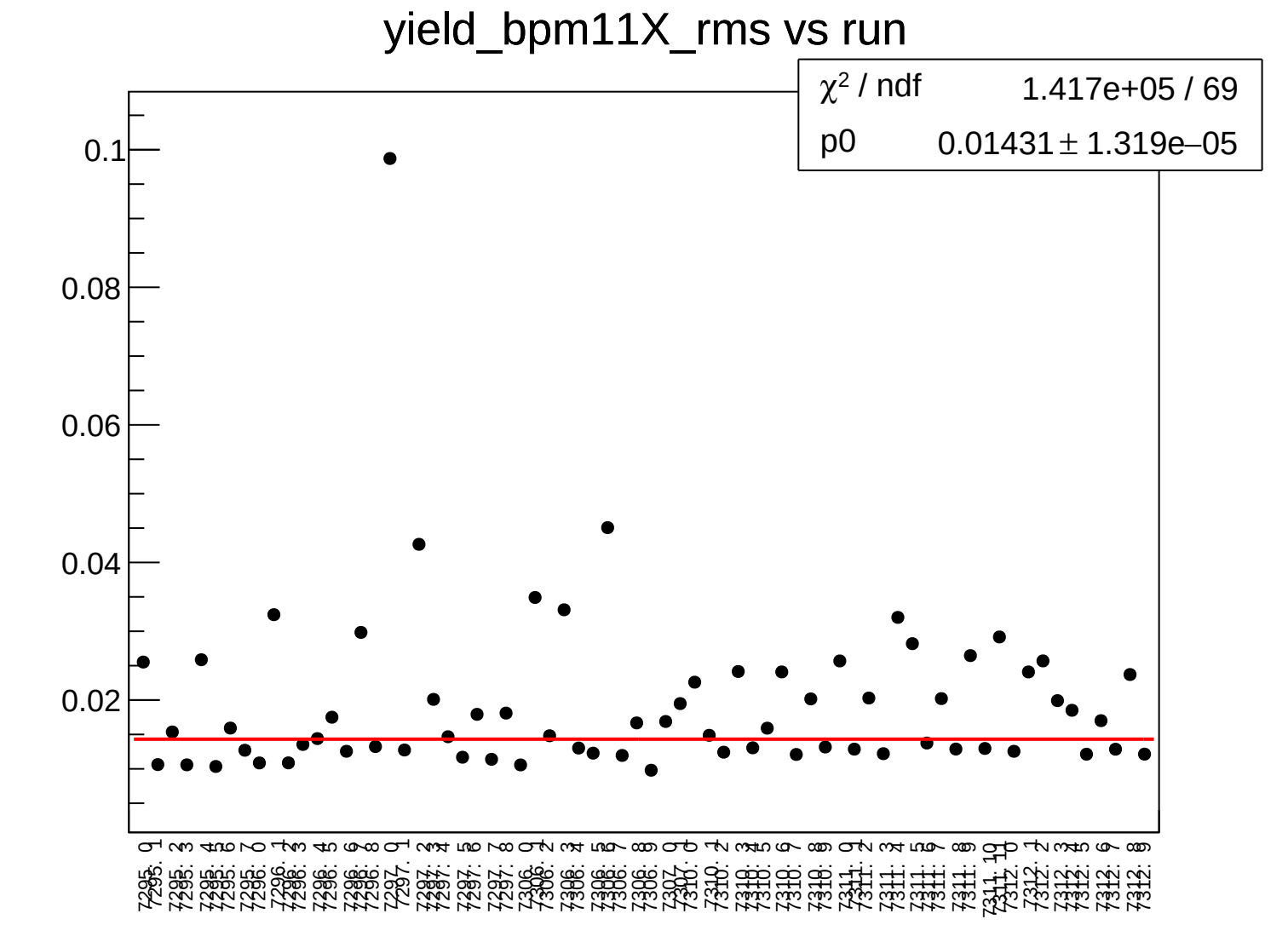

yield_bpm1Y_mean vs run
χ² / ndf 2.865e+06 / 69
p0 1.913 ± 1.598e−05
pull
Entries 70
Mean 495.1
Std Dev 0

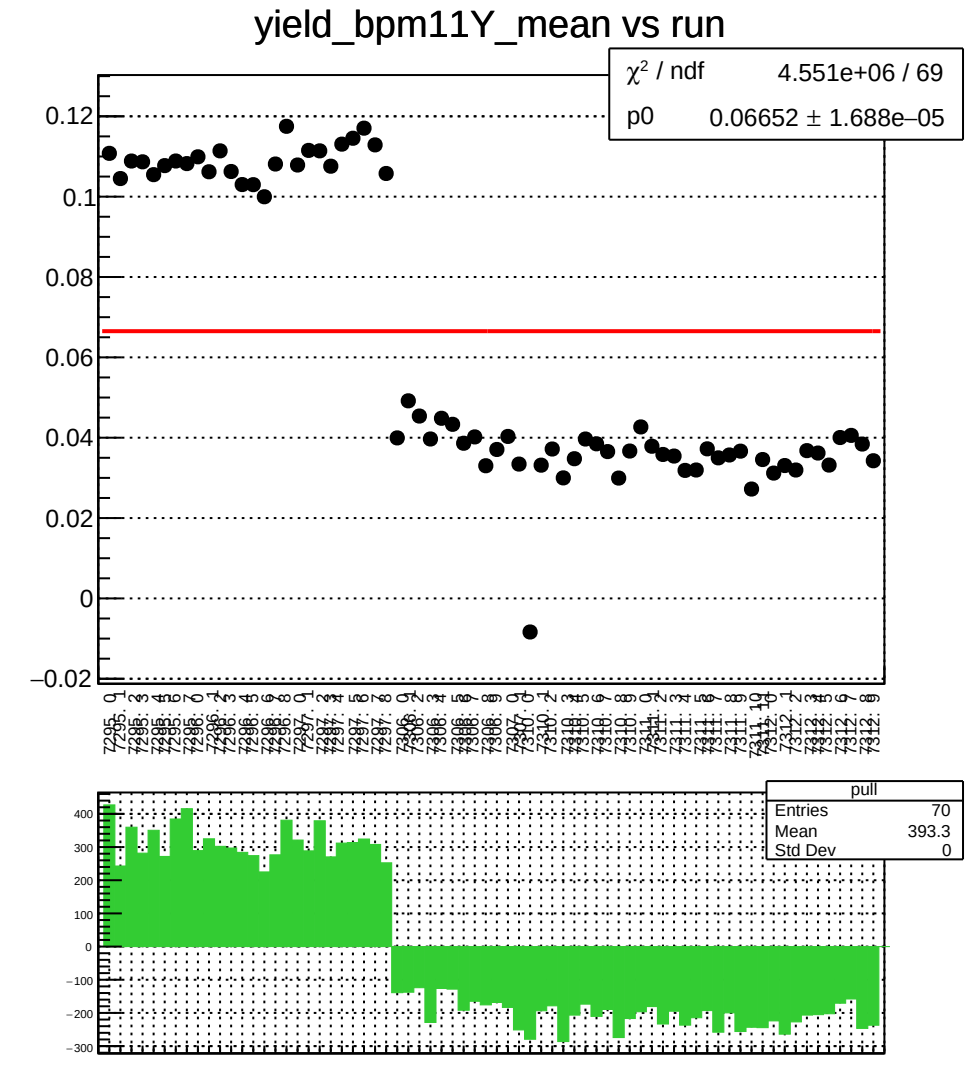

pull1D
Entries 70
Mean 0
Std Dev 0

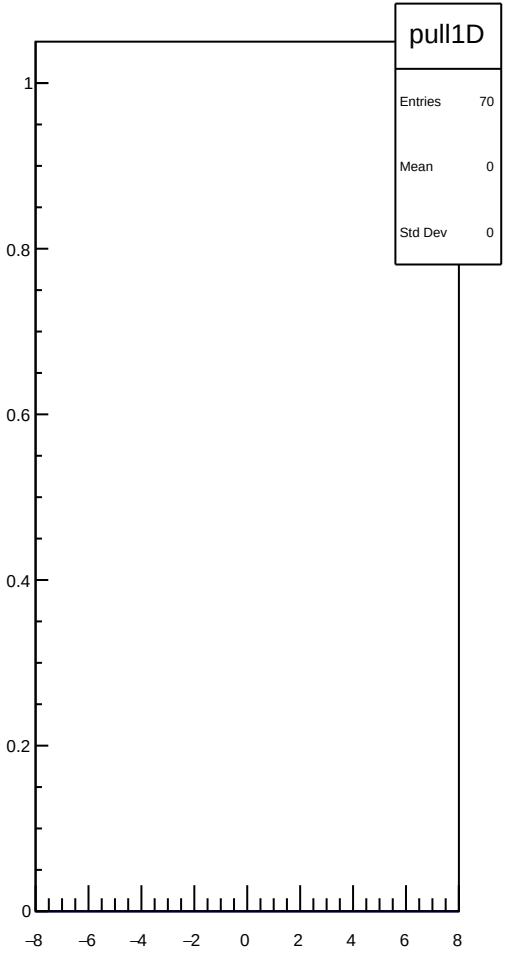

yield_bpm1Y_rms vs run
χ² / ndf 3.732e+04 / 69
p0 0.0128 ± 1.13e−05
0.06
0.05
0.04
0.03
0.02
0.01

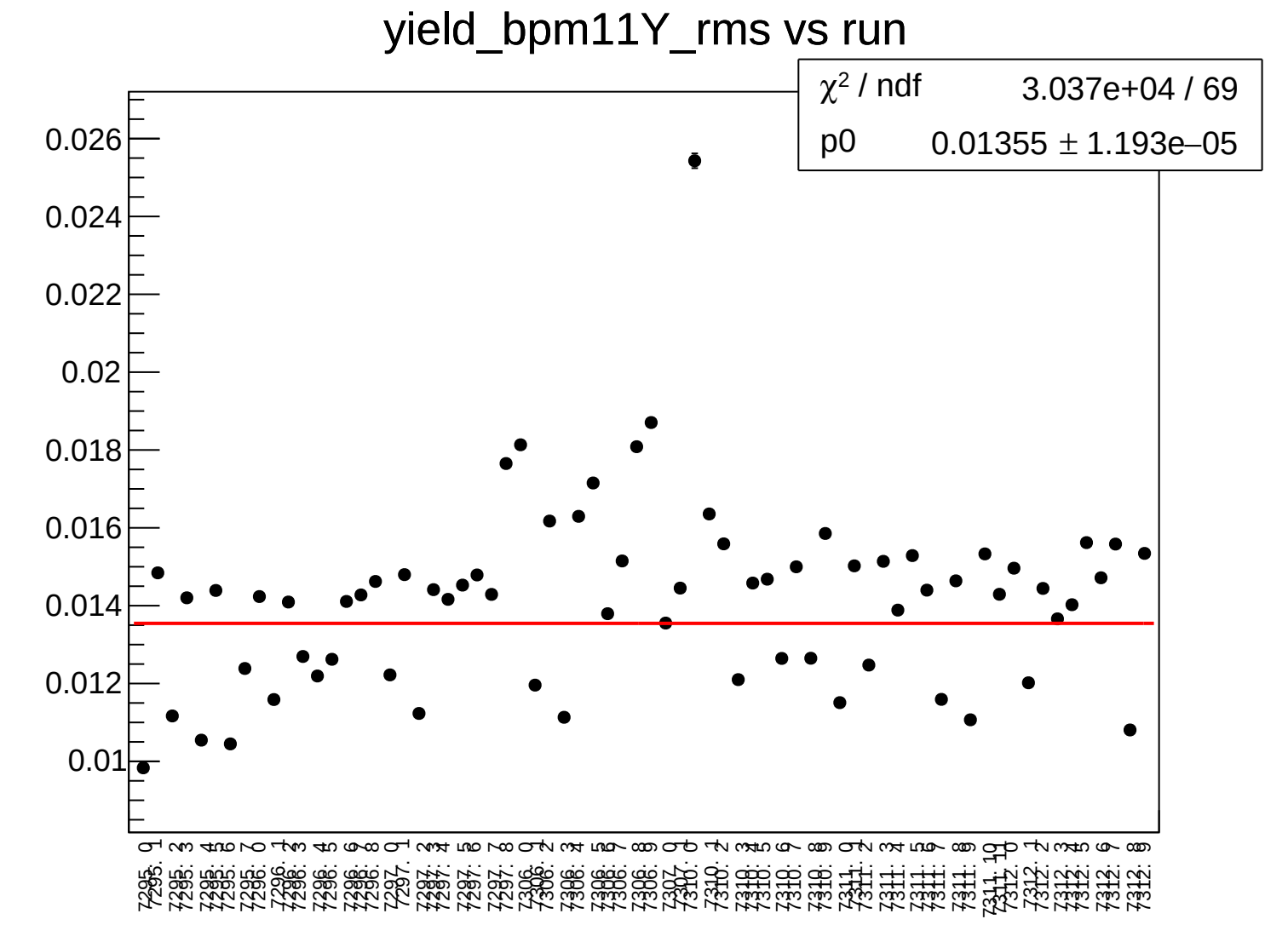

yield_bpm11X_mean vs run
χ² / ndf 8.796e+04 / 69
p0 1.28 ± 1.866e−05
1.34
1.32
1.3
1.28
1.26
1.24
pull
Entries 70
Mean 16.95
Std Dev 51.17
80
60
40
20
0
−20
−40
−60
−80

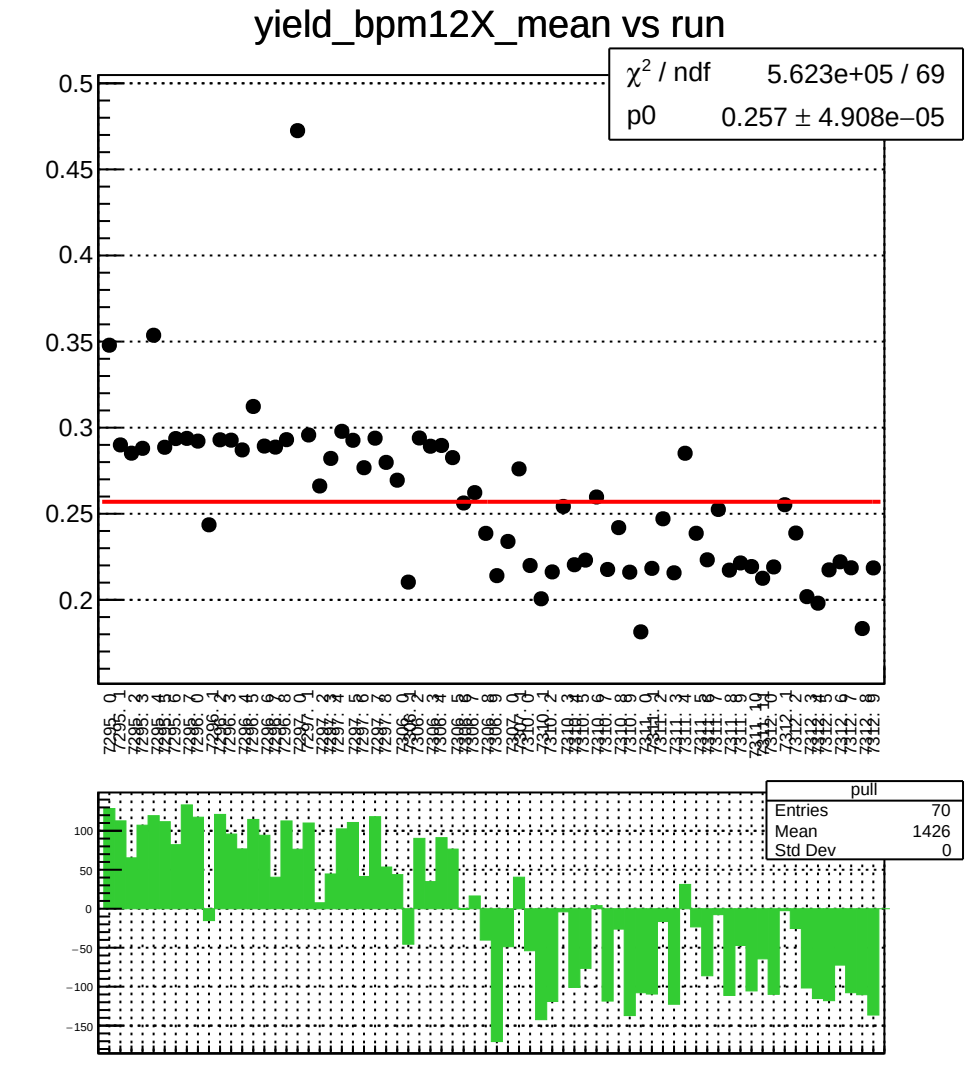

pull1D
Entries 70
Mean 0.5601
Std Dev 4.274
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

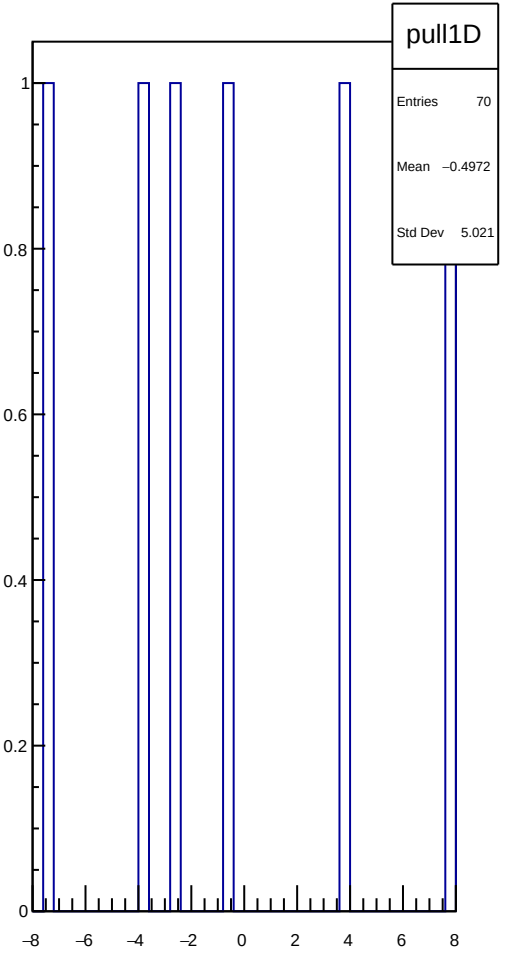

yield_bpm11X_rms vs run
χ² / ndf 1.417e+05 / 69
p0 0.01431 ± 1.319e–05
0.1
0.08
0.06
0.04
0.02

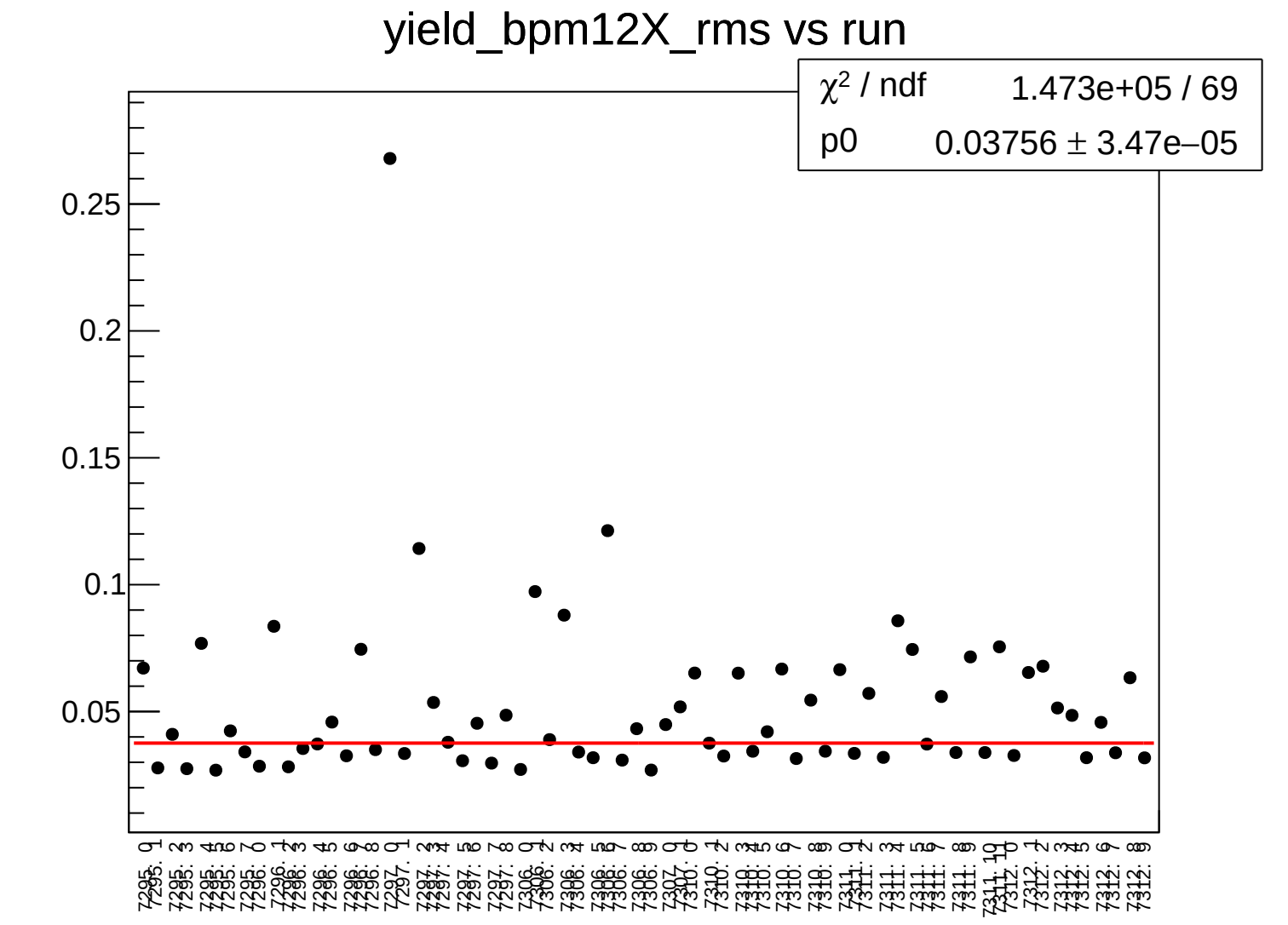

yield_bpm11Y_mean vs run
χ² / ndf 4.551e+06 / 69
p0 0.06652 ± 1.688e−05
pull
Entries 70
Mean 393.3
Std Dev 0

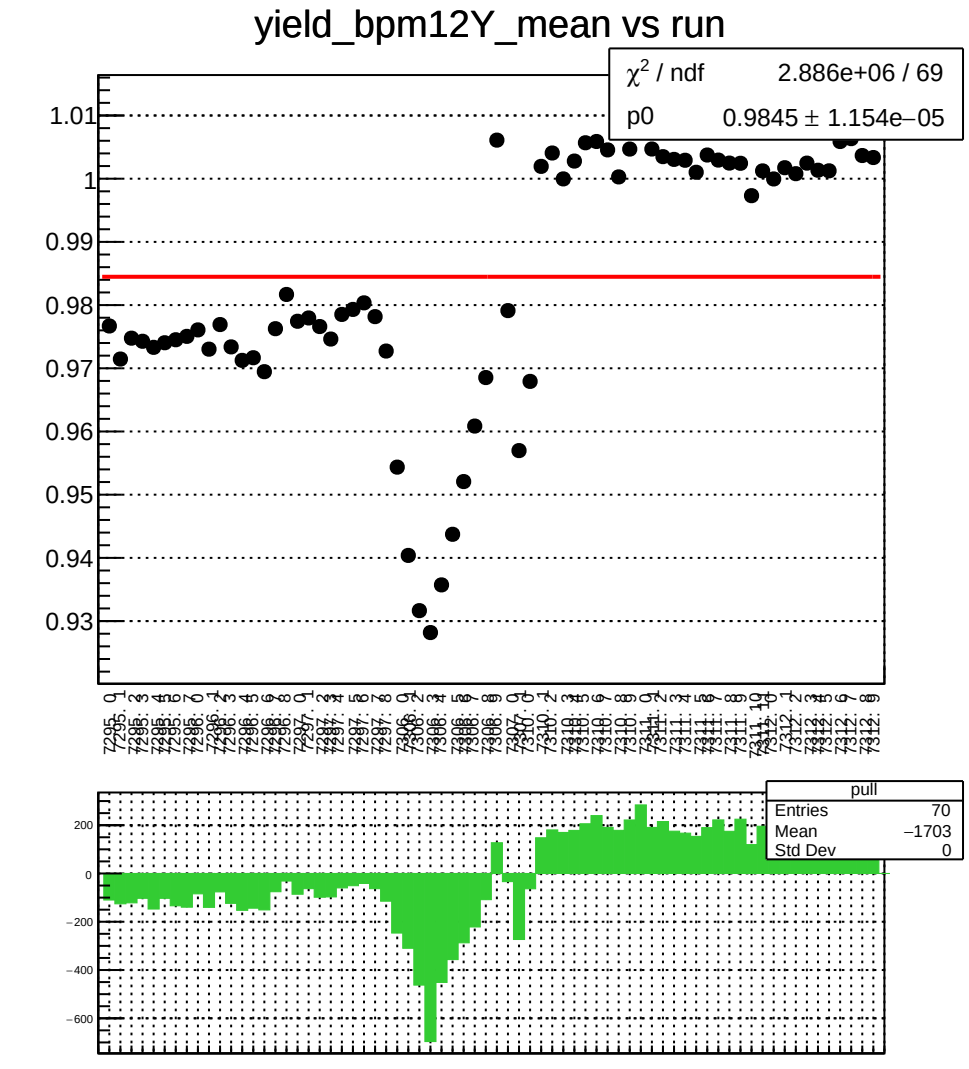

pull1D
Entries 70
Mean 0
Std Dev 0

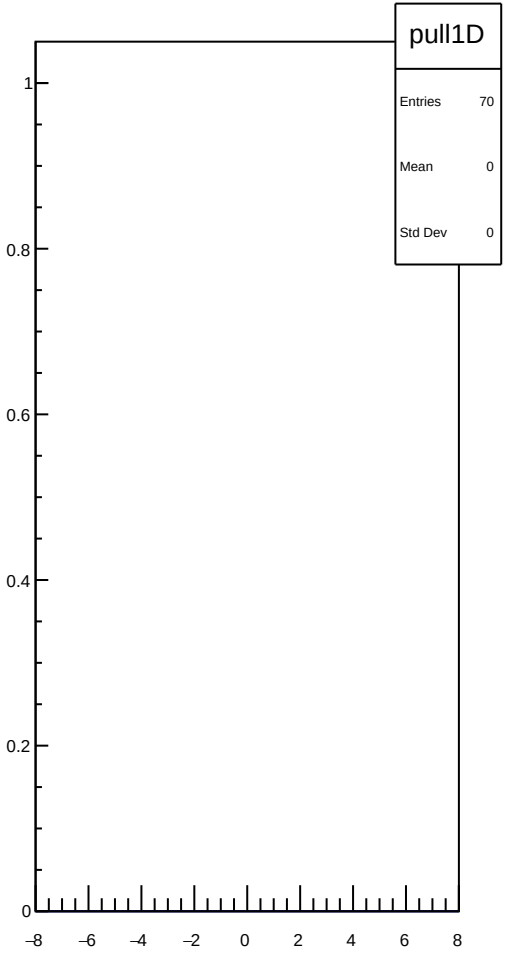

yield_bpm11Y_rms vs run
χ² / ndf 3.037e+04 / 69
p0 0.01355 ± 1.193e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

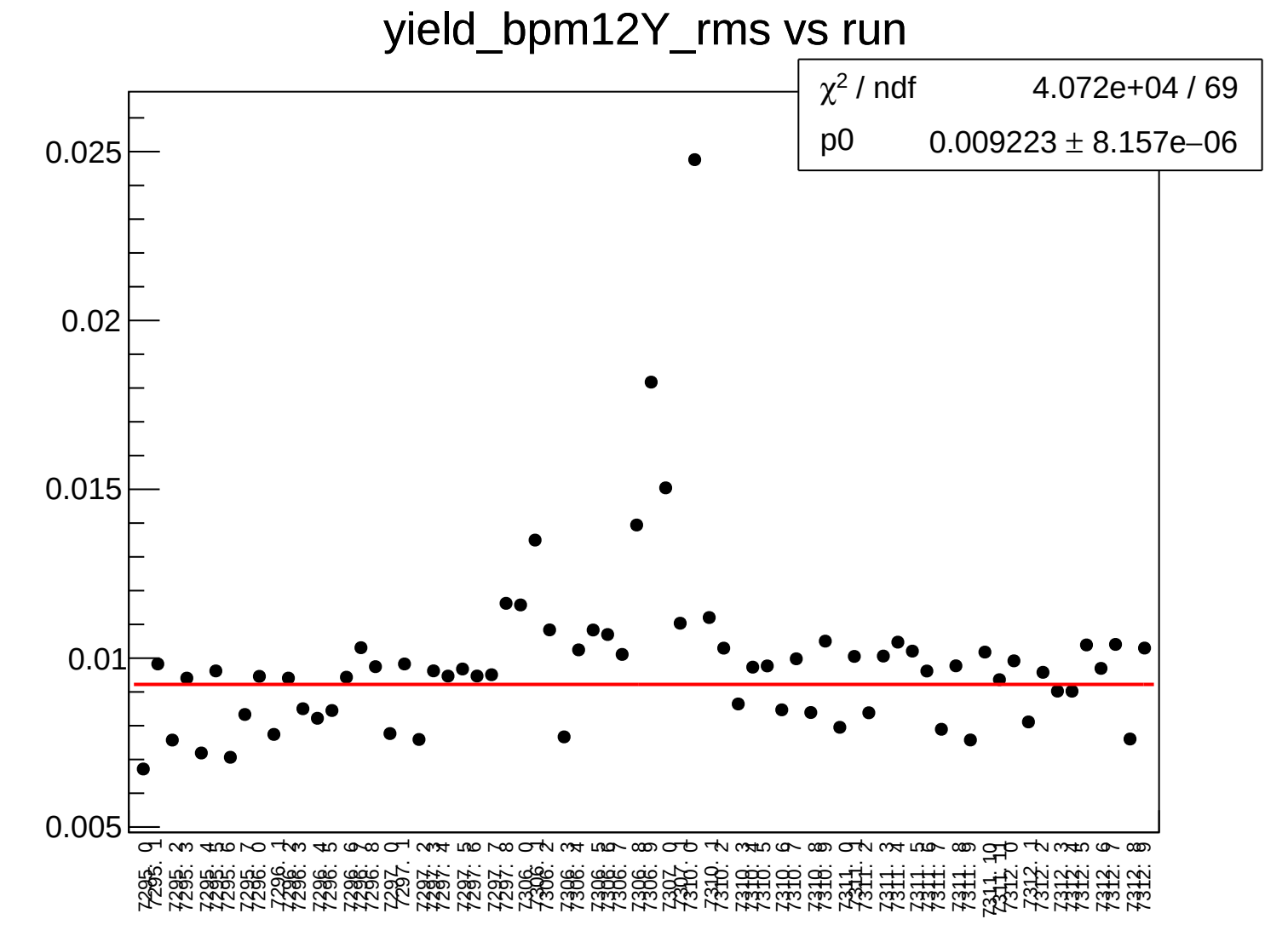

yield_bpm12X_mean vs run
χ² / ndf 5.623e+05 / 69
p0 0.257 ± 4.908e−05
pull
Entries 70
Mean 1426
Std Dev 0

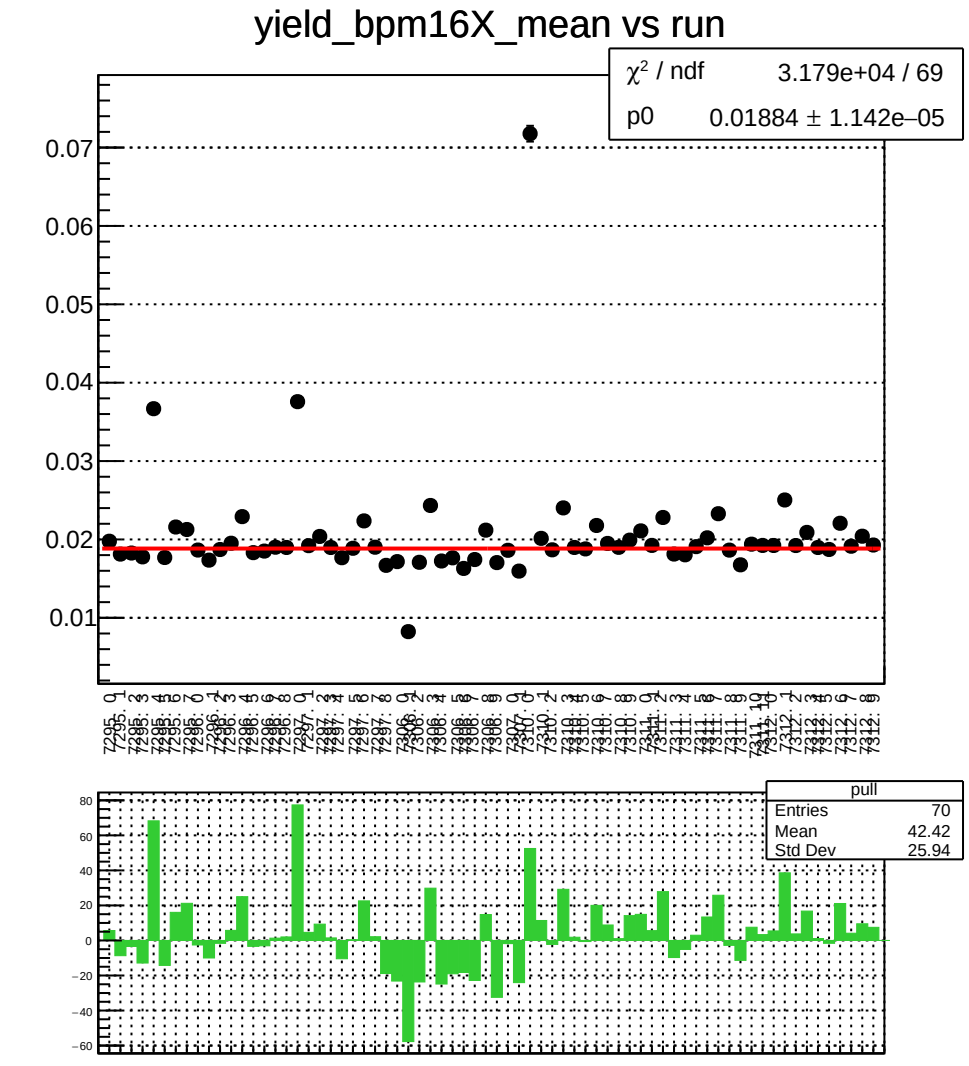

pull1D
Entries 70
Mean −0.4972
Std Dev 5.021

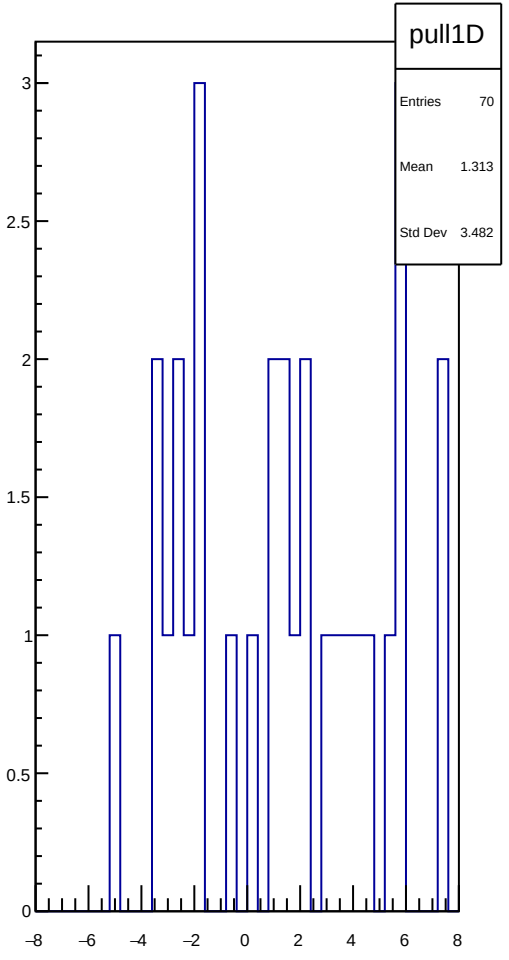

yield_bpm12X_rms vs run
χ² / ndf 1.473e+05 / 69
p0 0.03756 ± 3.47e−05
0.25
0.2
0.15
0.1
0.05

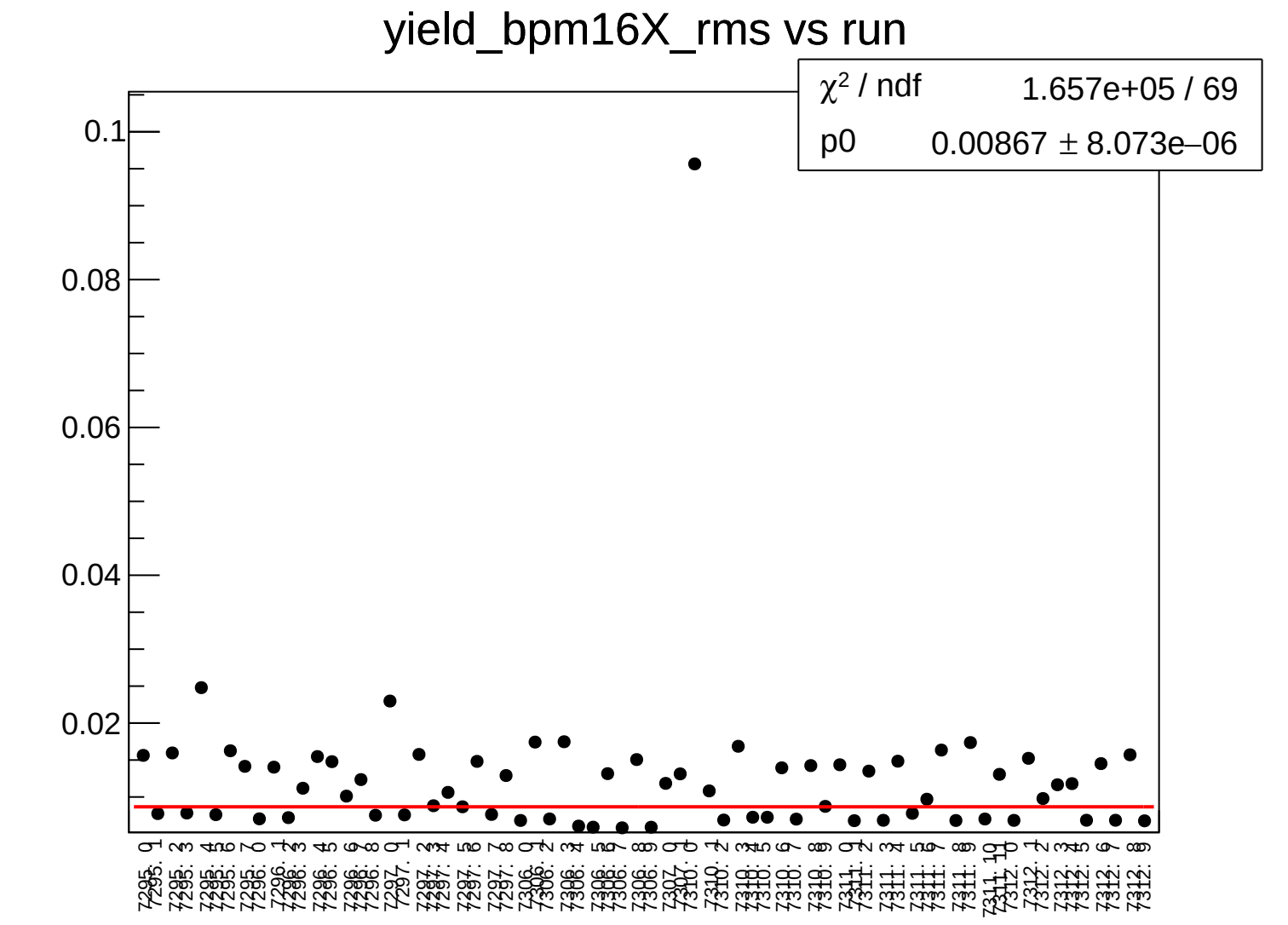

yield_bpm12Y_mean vs run
χ² / ndf 2.886e+06 / 69
p0 0.9845 ± 1.154e−05
1.01
1
0.99
0.98
0.97
0.96
0.95
0.94
0.93
pull
Entries 70
Mean −1703
Std Dev 0
200
0
−200
−400
−600

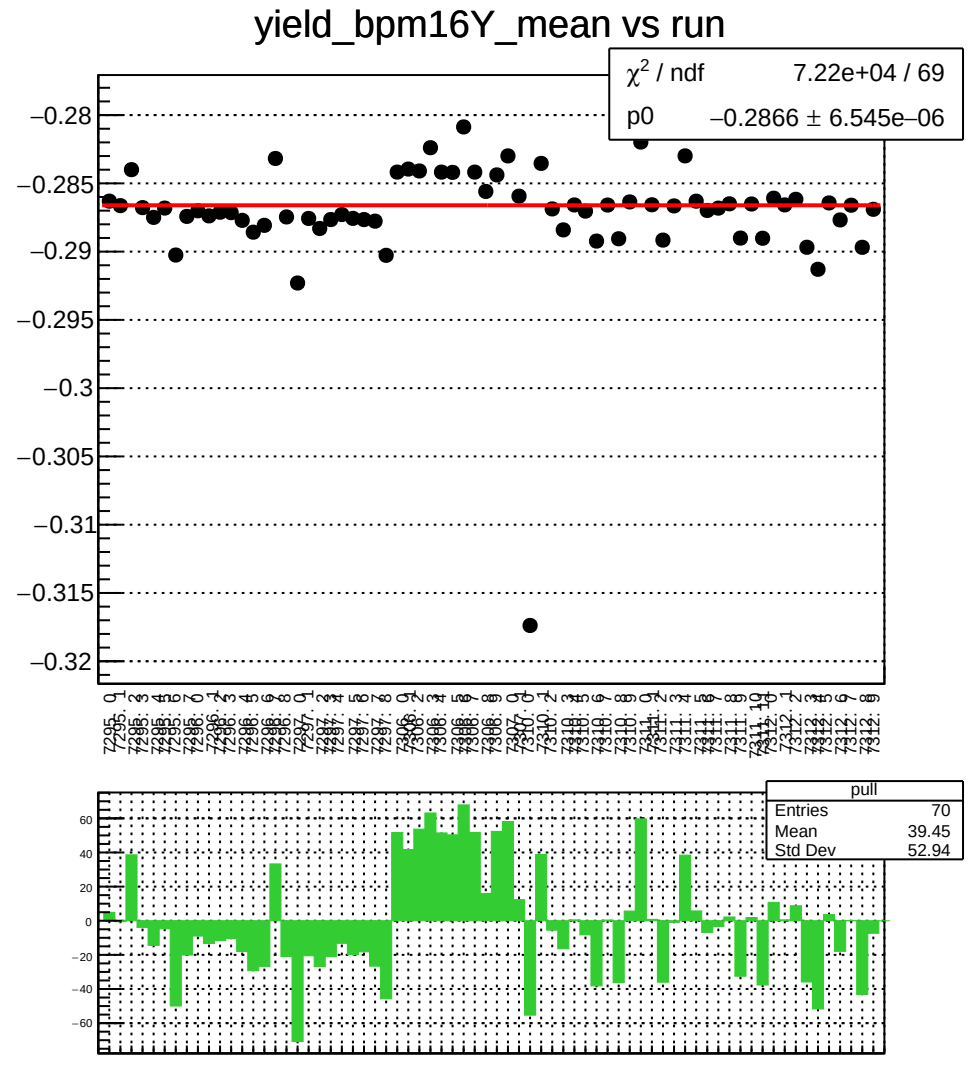

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

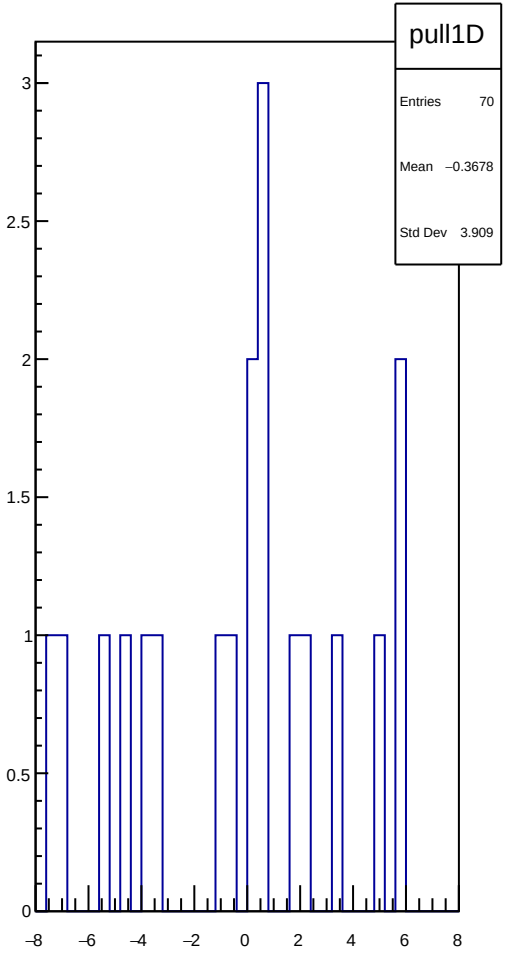

yield_bpm12Y_rms vs run
χ^2 / ndf 4.072e+04 / 69
p0 0.009223 ± 8.157e−06
0.025
0.02
0.015
0.01
0.005

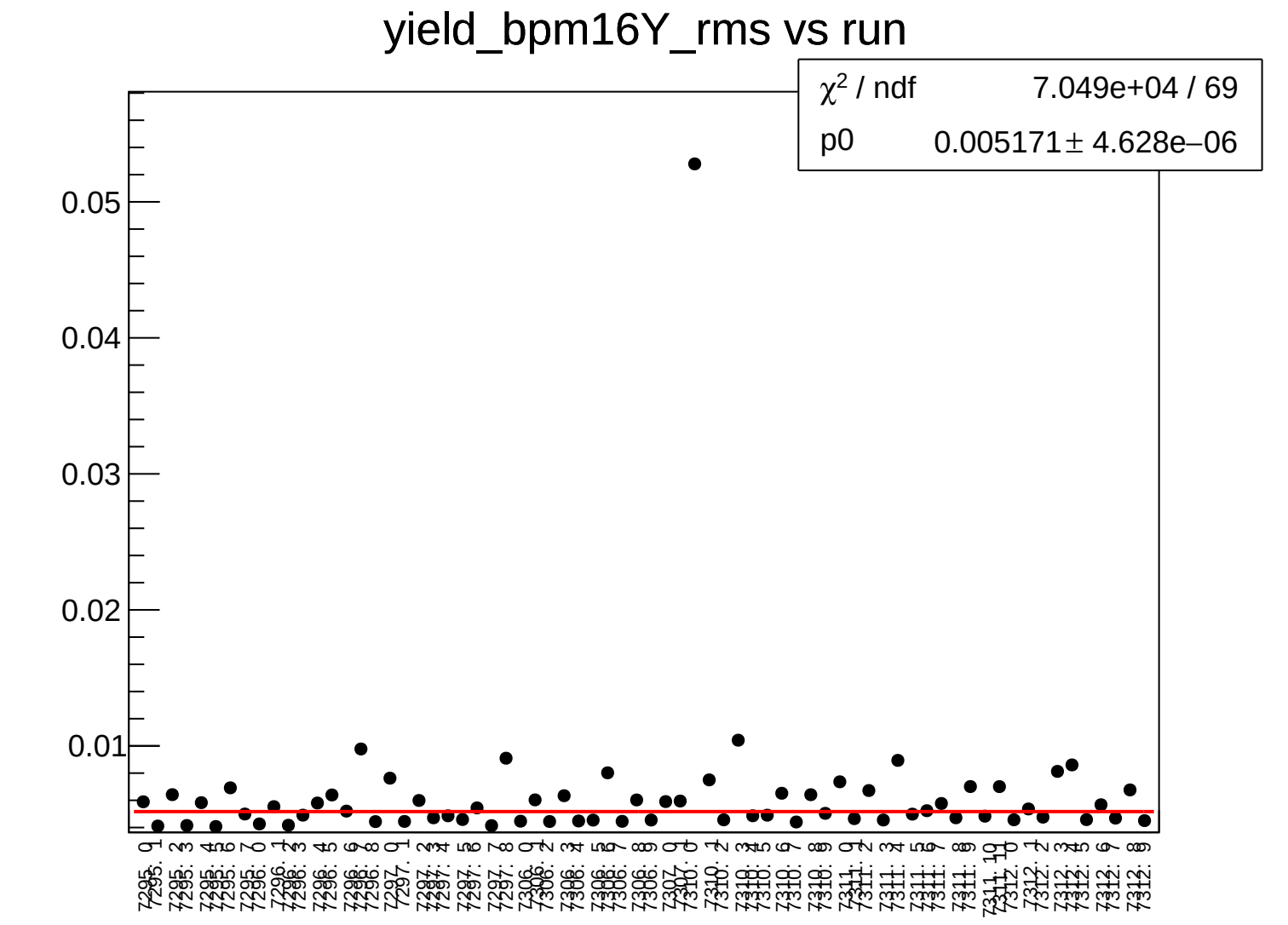

yield_bpm16X_mean vs run
χ² / ndf 3.179e+04 / 69
p0 0.01884 ± 1.142e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
pull
Entries 70
Mean 42.42
Std Dev 25.94
80
60
40
20
0
−20
−40
−60

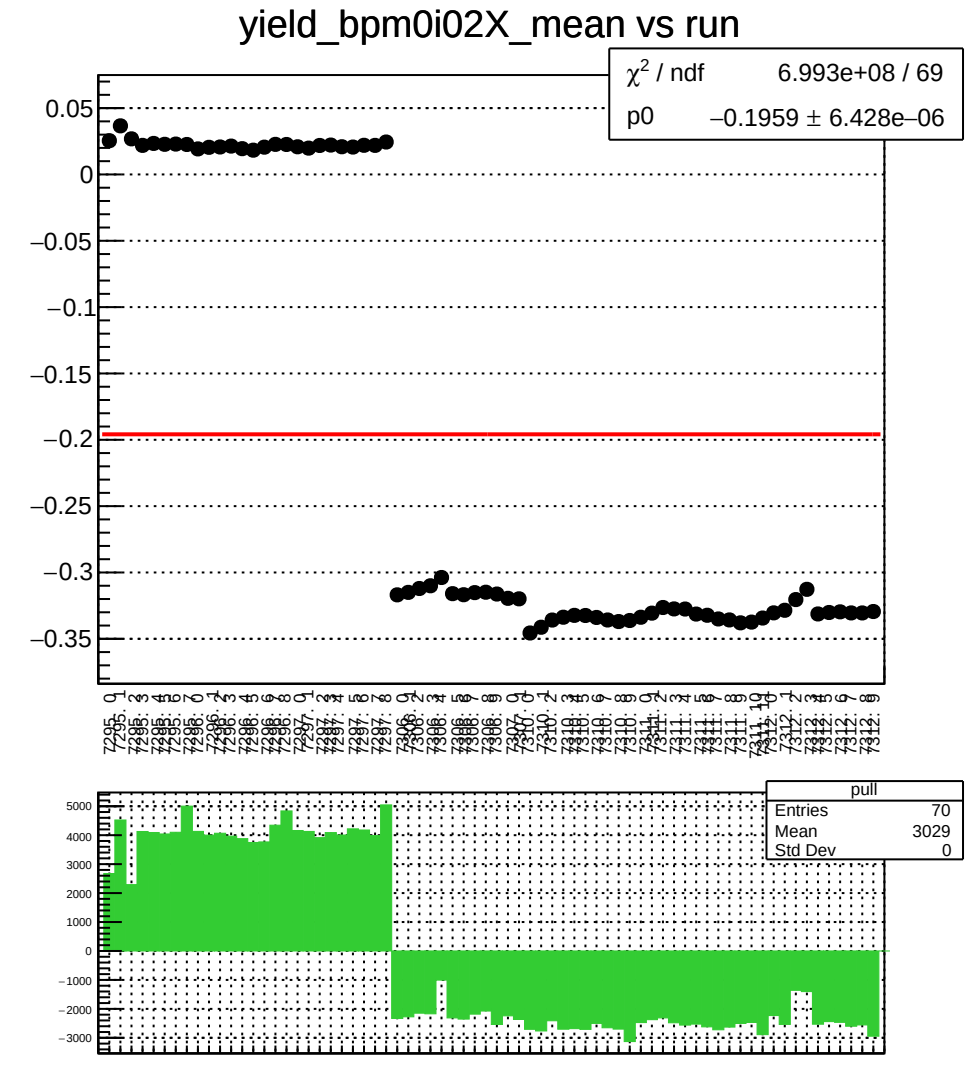

pull1D
Entries 70
Mean 1.313
Std Dev 3.482
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

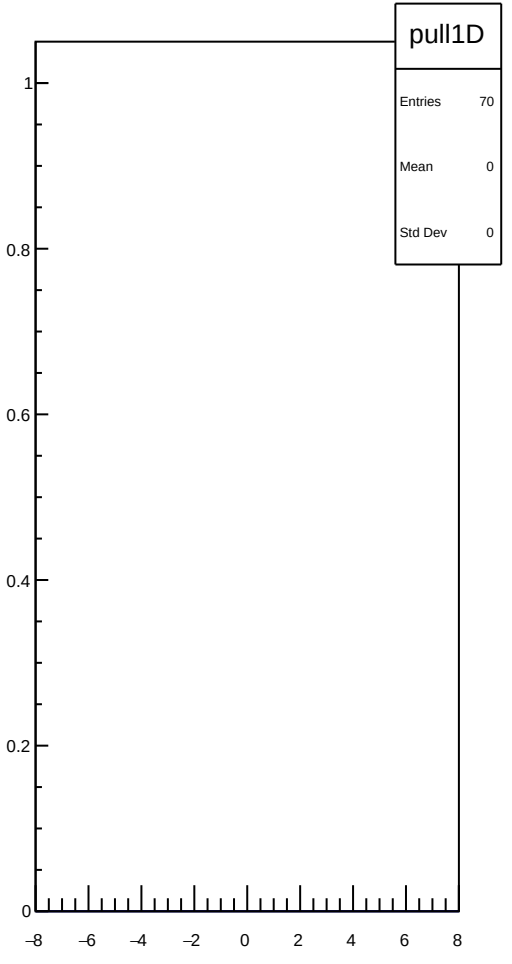

yield_bpm16X_rms vs run
χ² / ndf 1.657e+05 / 69
p0 0.00867 ± 8.073e–06
0.1
0.08
0.06
0.04
0.02

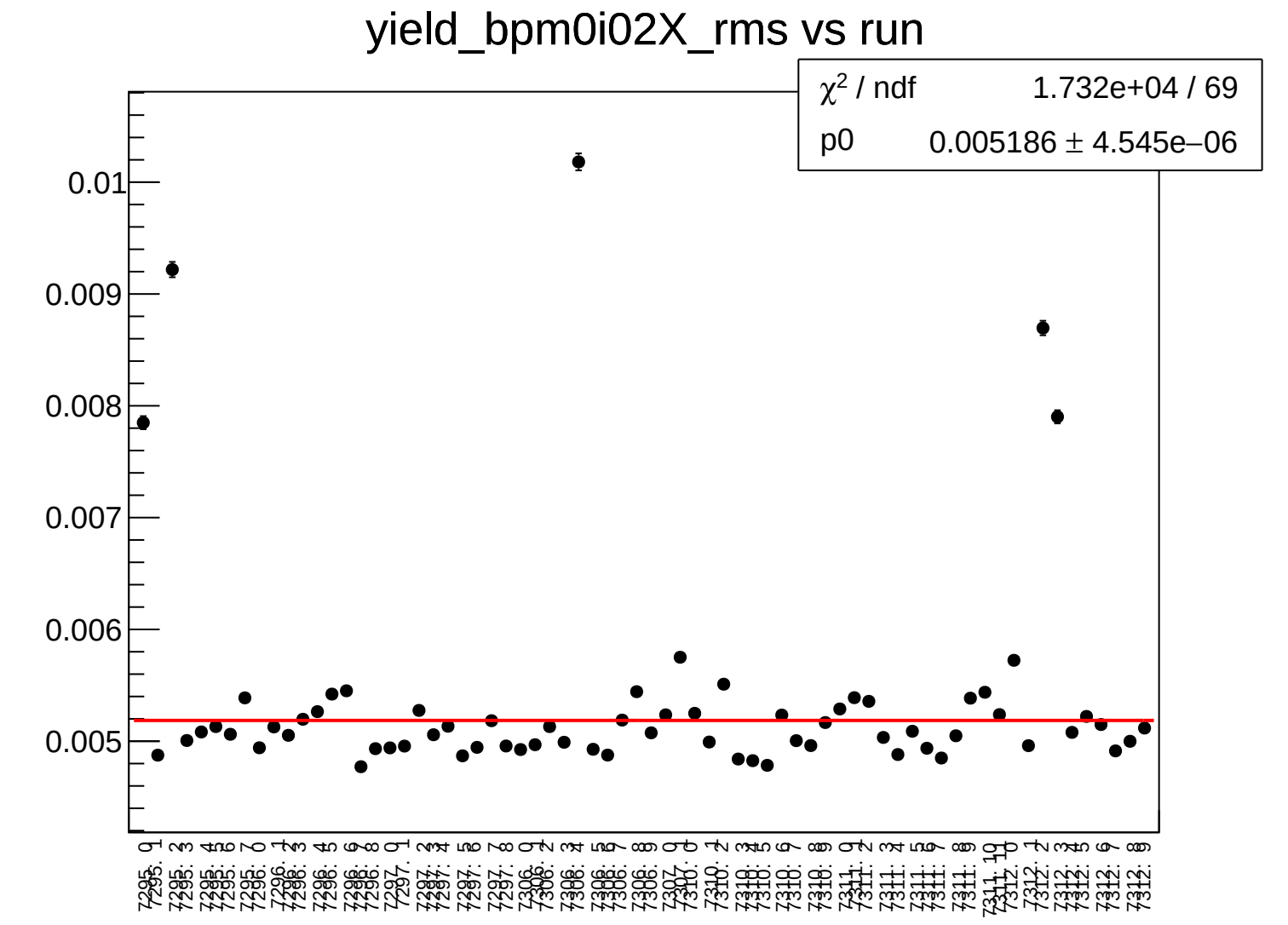

yield_bpm16Y_mean vs run
χ² / ndf 7.22e+04 / 69
p0 −0.2866 ± 6.545e−06
−0.28
−0.285
−0.29
−0.295
−0.3
−0.305
−0.31
−0.315
−0.32
pull
Entries 70
Mean 39.45
Std Dev 52.94
60
40
20
0
−20
−40
−60

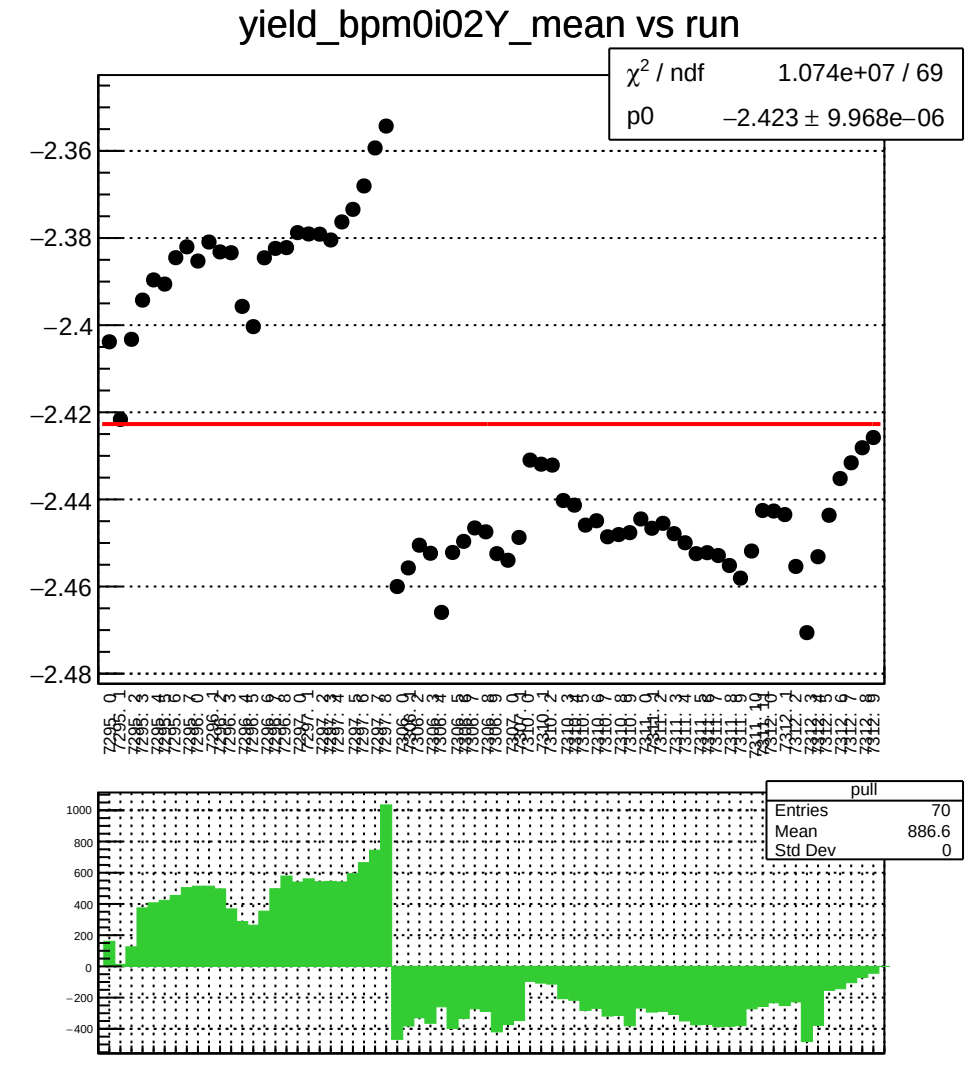

pull1D
Entries 70
Mean −0.3678
Std Dev 3.909
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

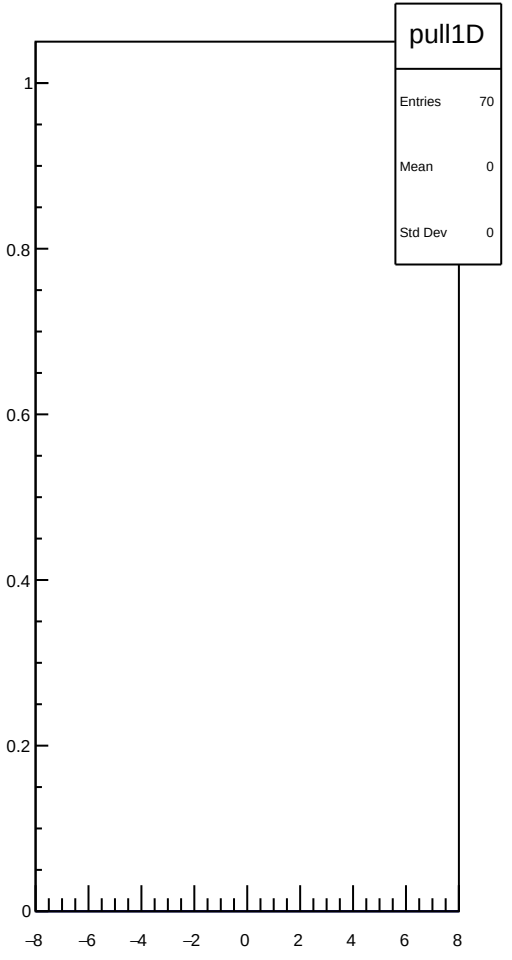

yield_bpm16Y_rms vs run
χ^2 / ndf 7.049e+04 / 69
p0 0.005171 ± 4.628e−06
0.05
0.04
0.03
0.02
0.01

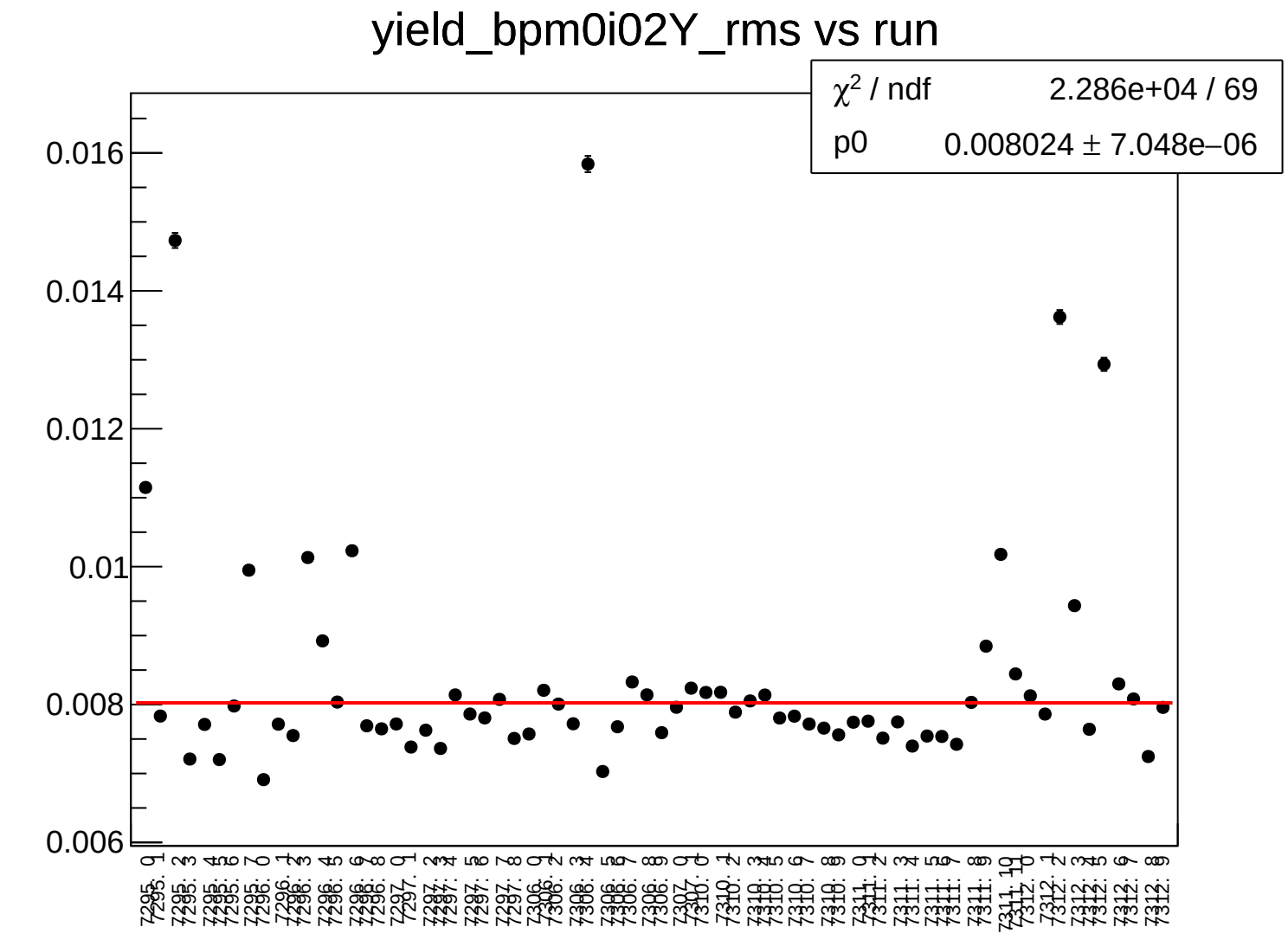

yield_bpm0i02X_mean vs run
χ² / ndf 6.993e+08 / 69
p0 −0.1959 ± 6.428e−06
pull
Entries 70
Mean 3029
Std Dev 0

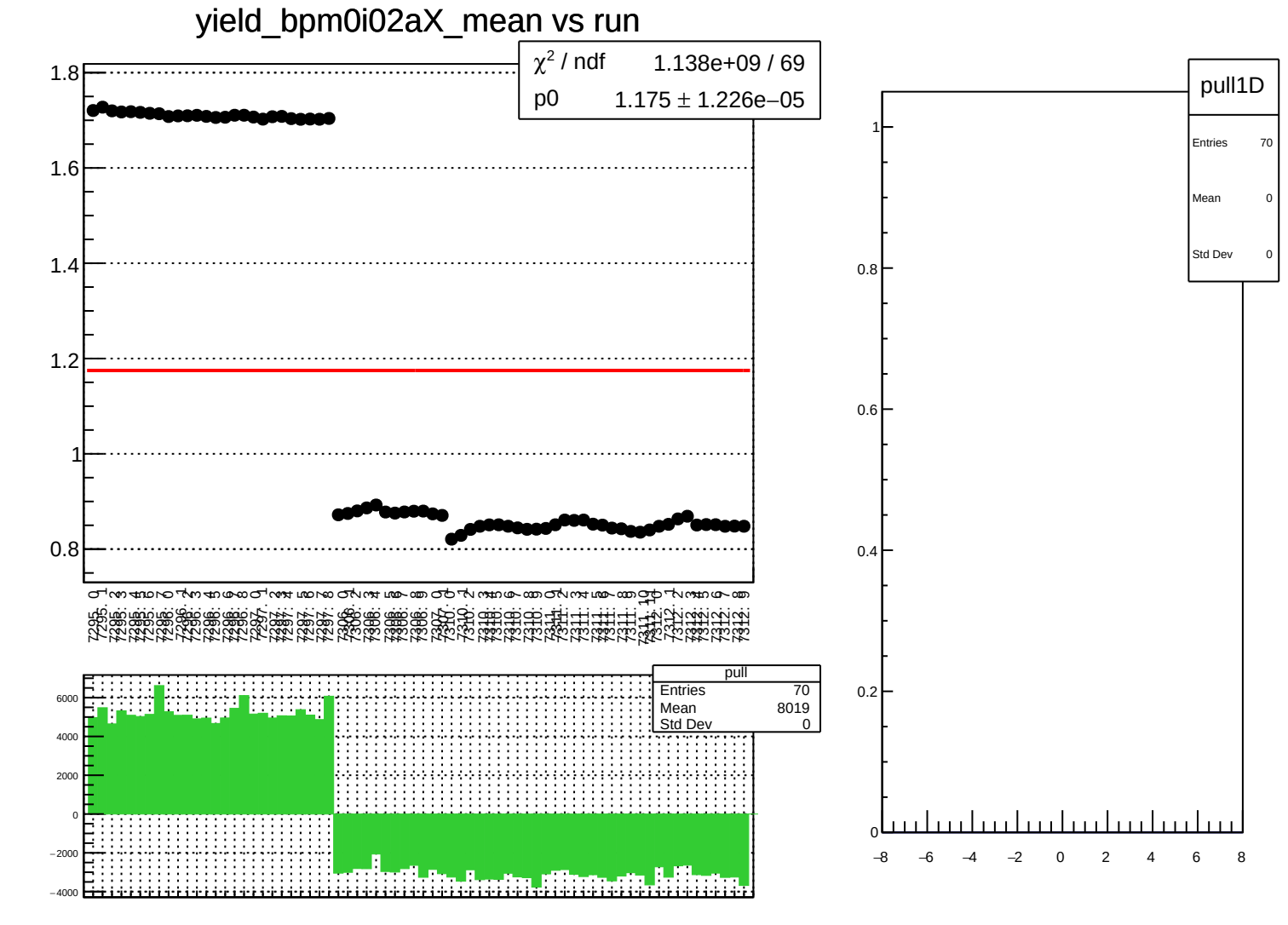

pull1D
Entries 70
Mean 0
Std Dev 0

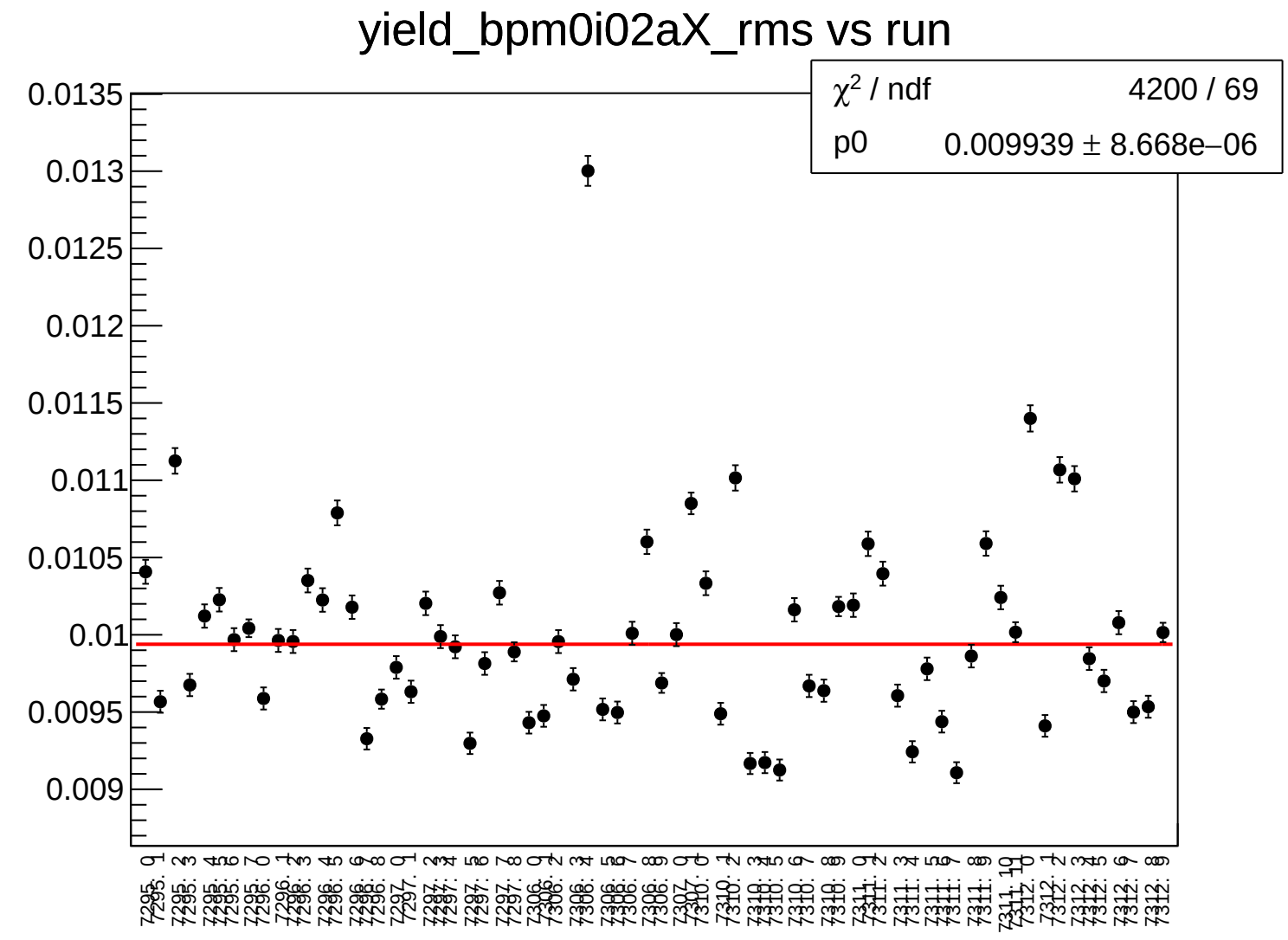

yield_bpm0i02X_rms vs run
χ² / ndf 1.732e+04 / 69
p0 0.005186 ± 4.545e−06
0.01
0.009
0.008
0.007
0.006
0.005

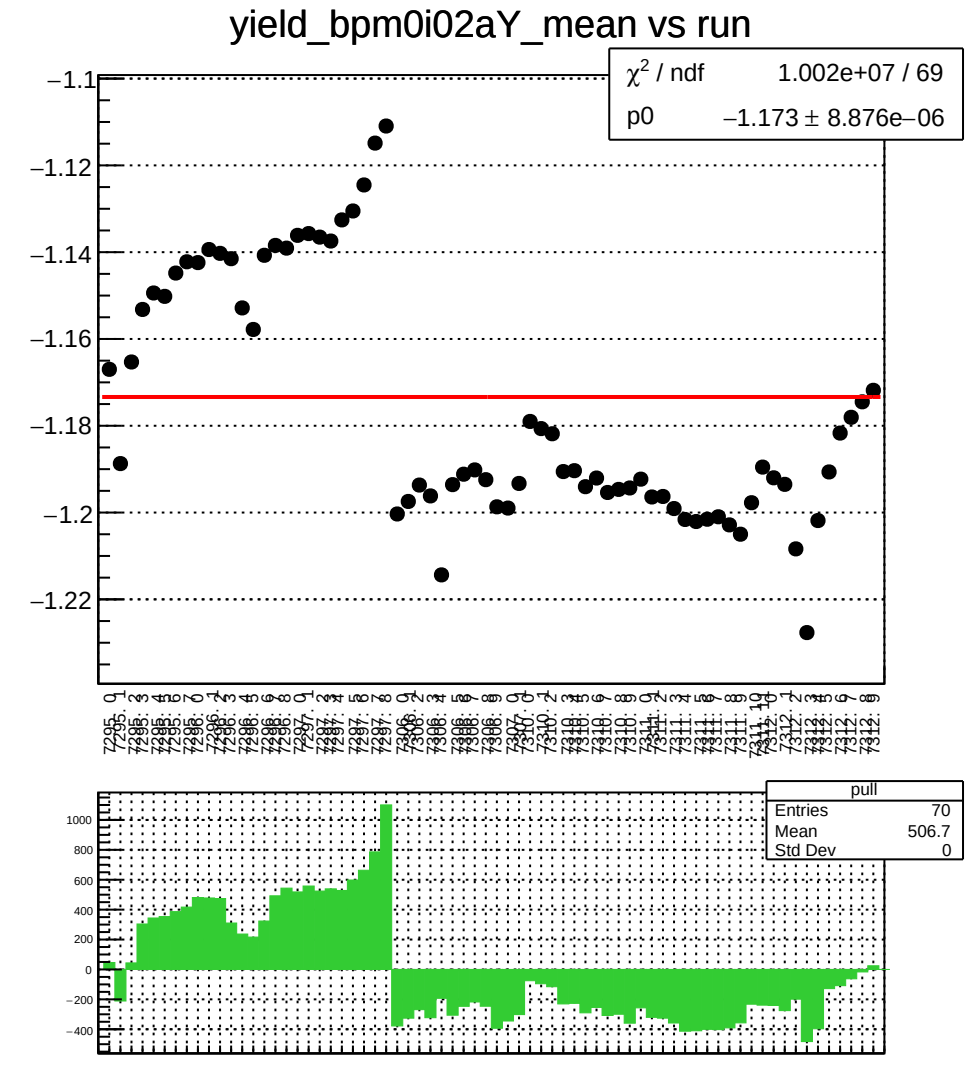

yield_bpm0i02Y_mean vs run
χ² / ndf 1.074e+07 / 69
p0 −2.423 ± 9.968e−06
−2.36
−2.38
−2.4
−2.42
−2.44
−2.46
−2.48
pull
Entries 70
Mean 886.6
Std Dev 0
1000
800
600
400
200
0
−200
−400

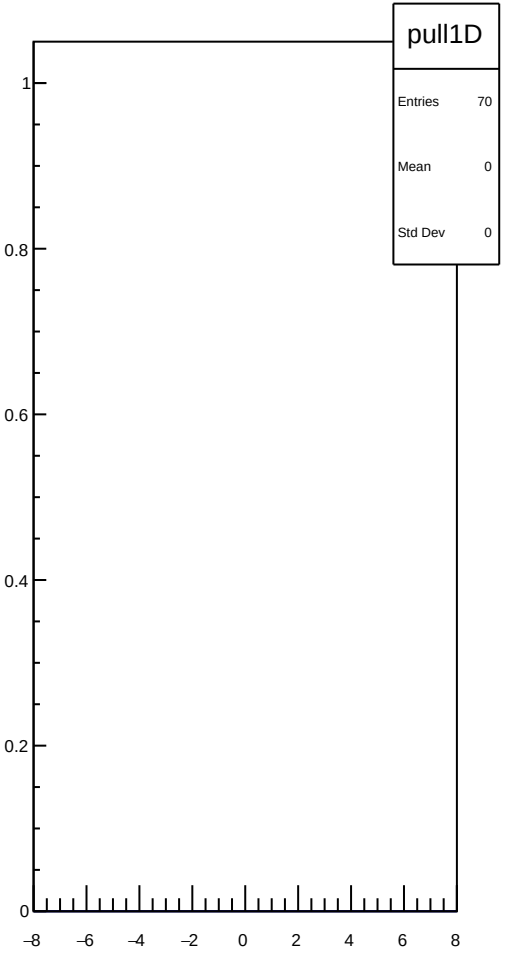

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

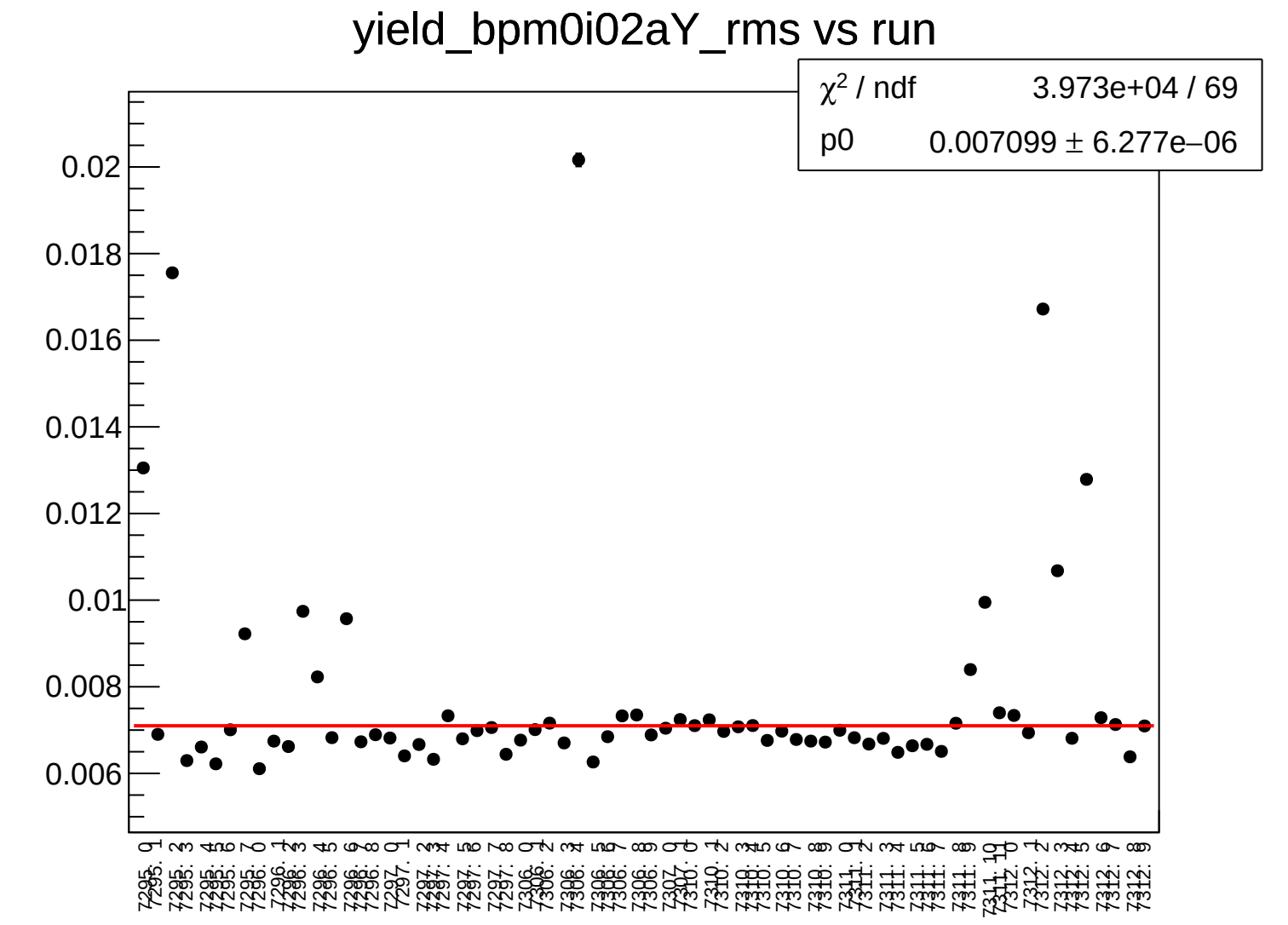

yield_bpm0i02Y_rms vs run
χ² / ndf 2.286e+04 / 69
p0 0.008024 ± 7.048e−06
0.016
0.014
0.012
0.01
0.008
0.006

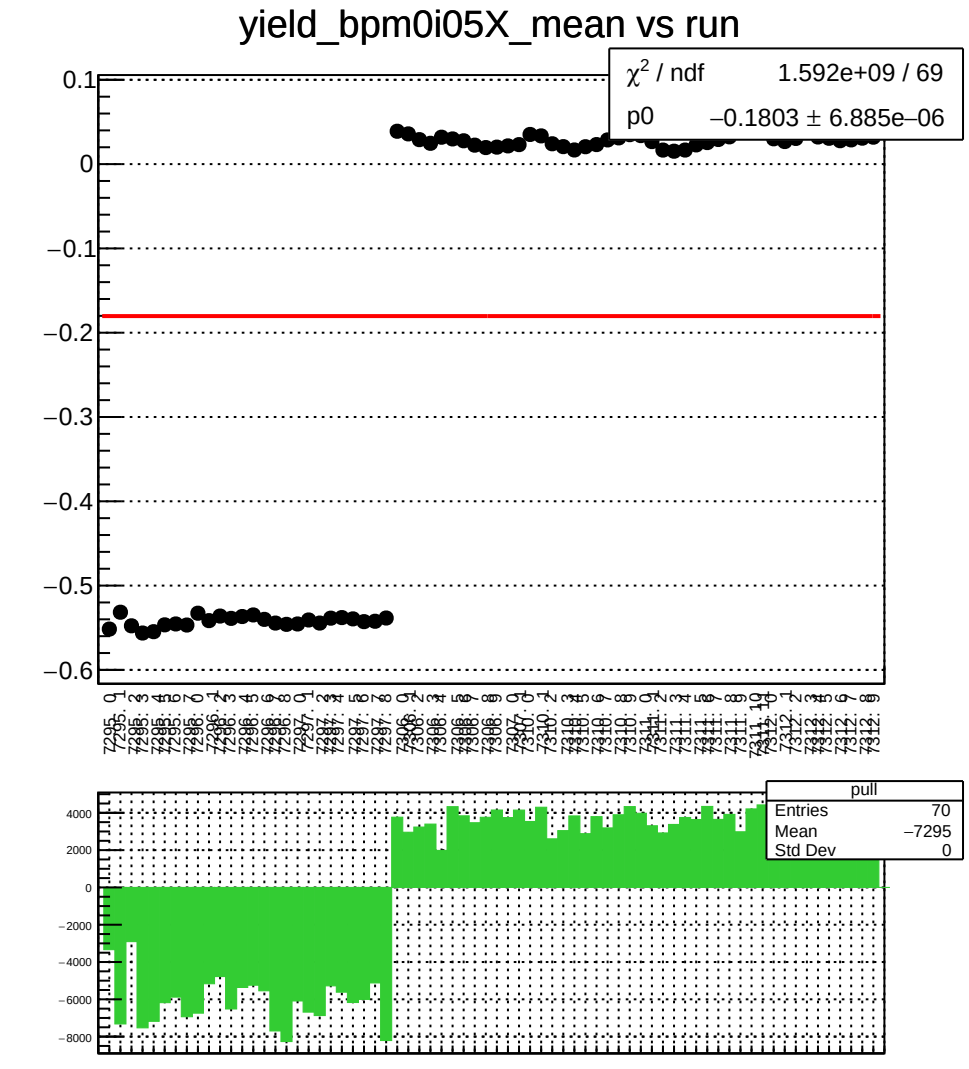

yield_bpm0i02aX_mean vs run
χ² / ndf 1.138e+09 / 69
p0 1.175 ± 1.226e−05
pull
Entries 70
Mean 8019
Std Dev 0
pull1D
Entries 70
Mean 0
Std Dev 0

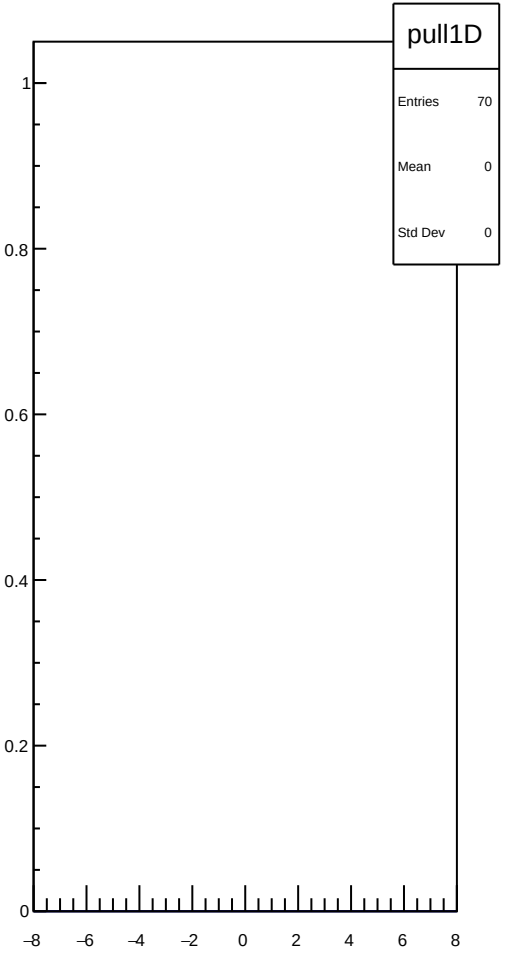

yield_bpm0i02aX_rms vs run
χ² / ndf 4200 / 69
p0 0.009939 ± 8.668e−06
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

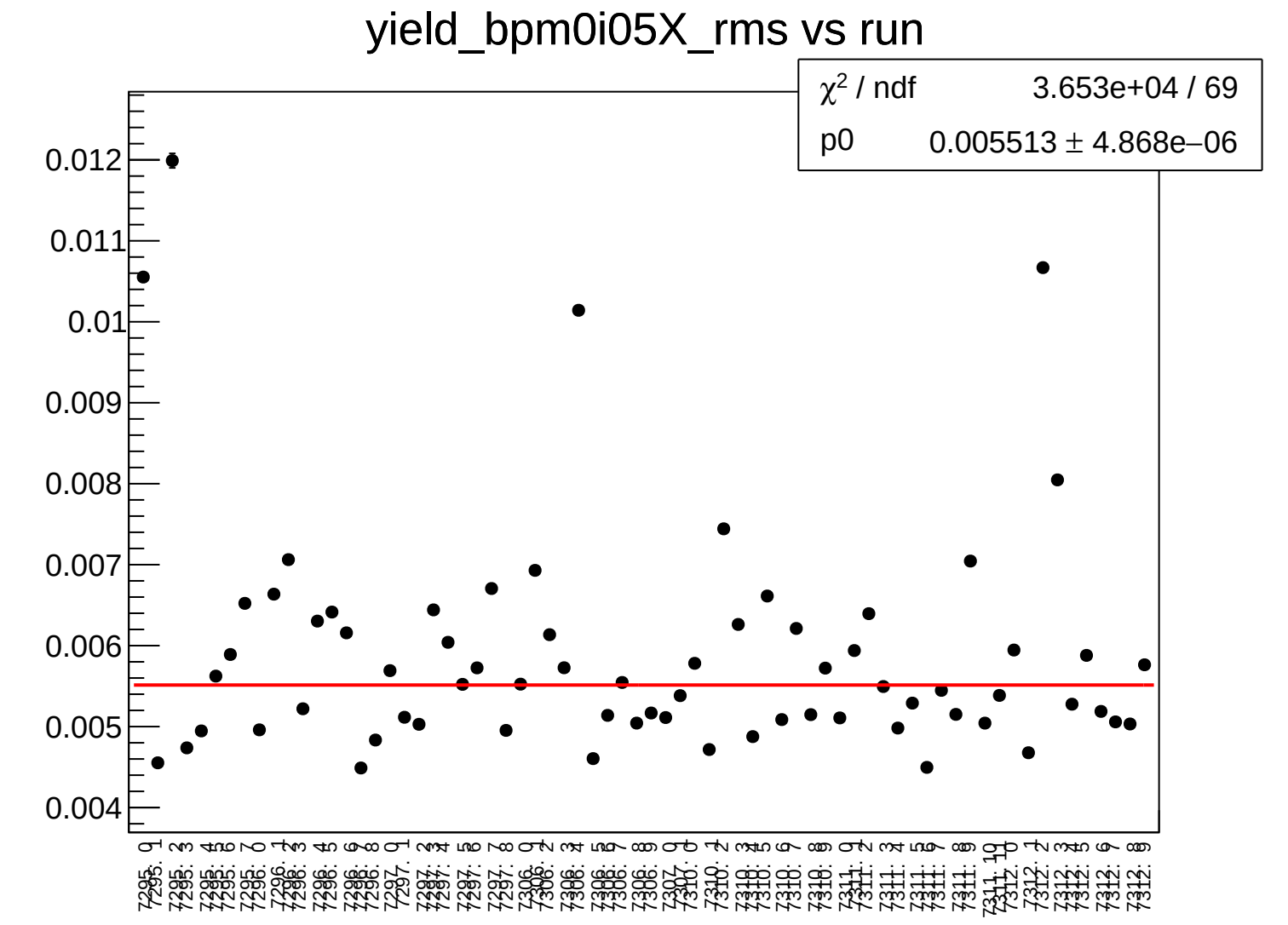

yield_bpm0i02aY_mean vs run
χ² / ndf 1.002e+07 / 69
p0 −1.173 ± 8.876e−06
−1.1
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
pull
Entries 70
Mean 506.7
Std Dev 0
1000
800
600
400
200
0
−200
−400

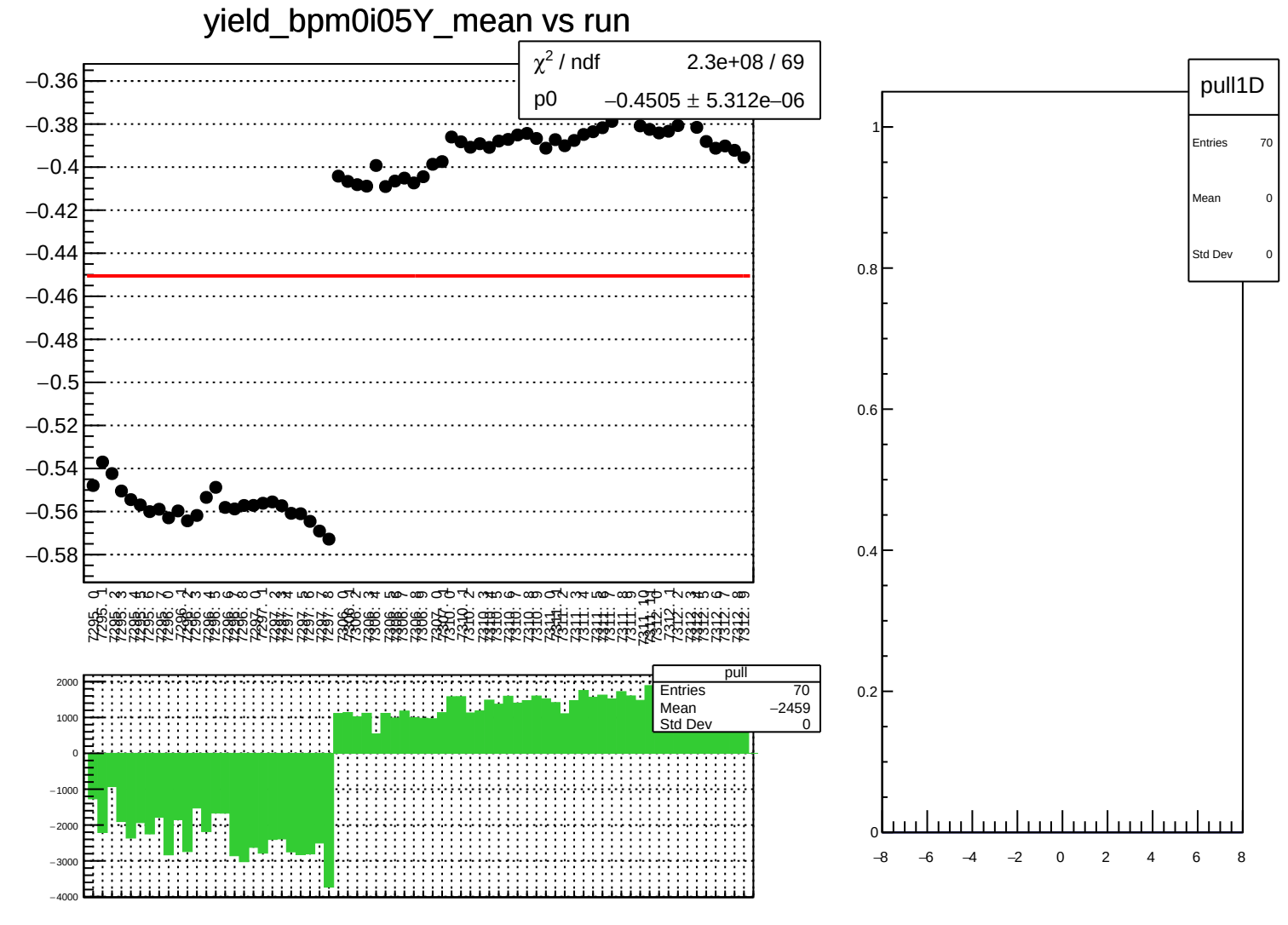

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

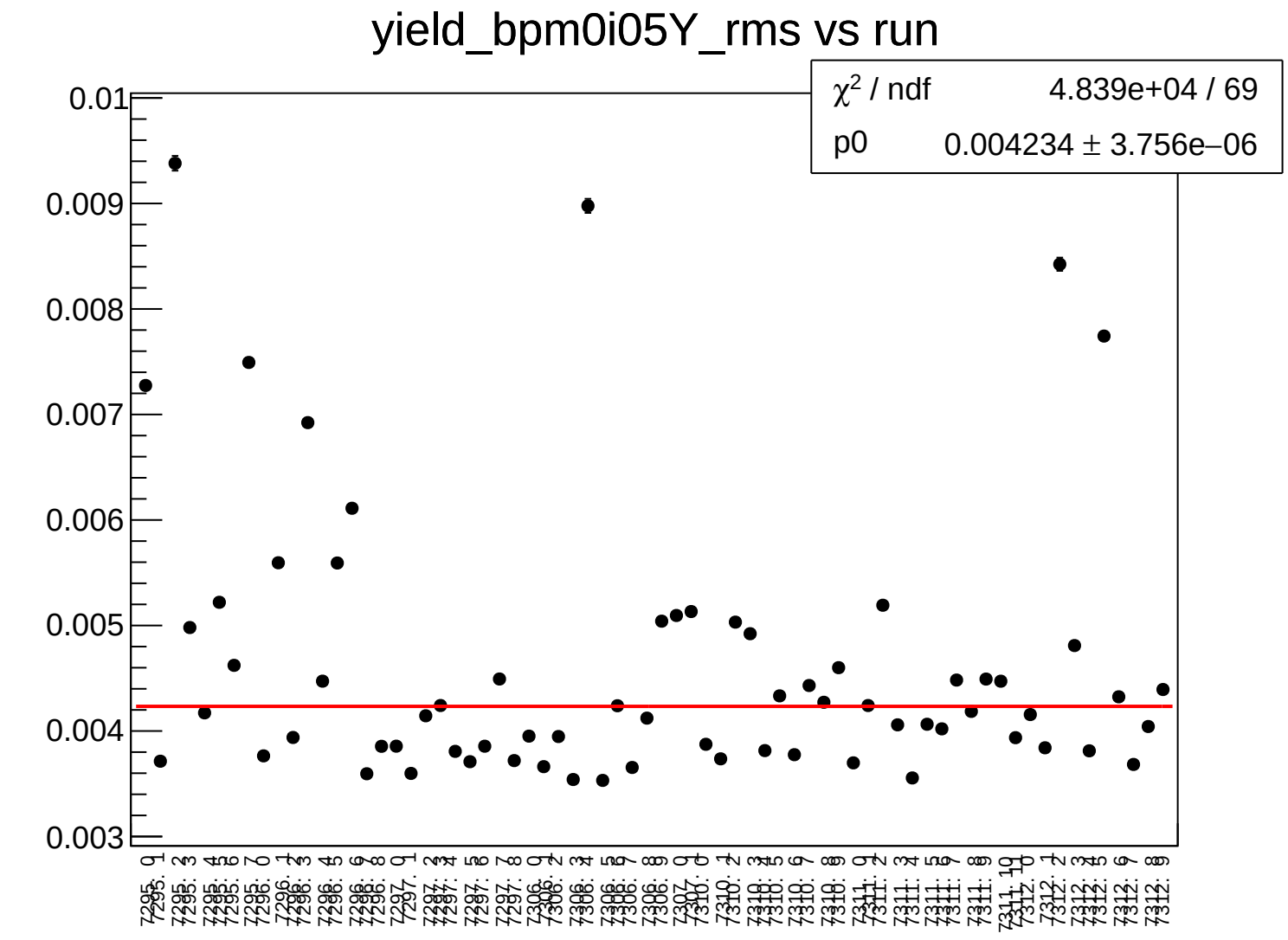

yield_bpm0i02aY_rms vs run
χ² / ndf 3.973e+04 / 69
p0 0.007099 ± 6.277e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

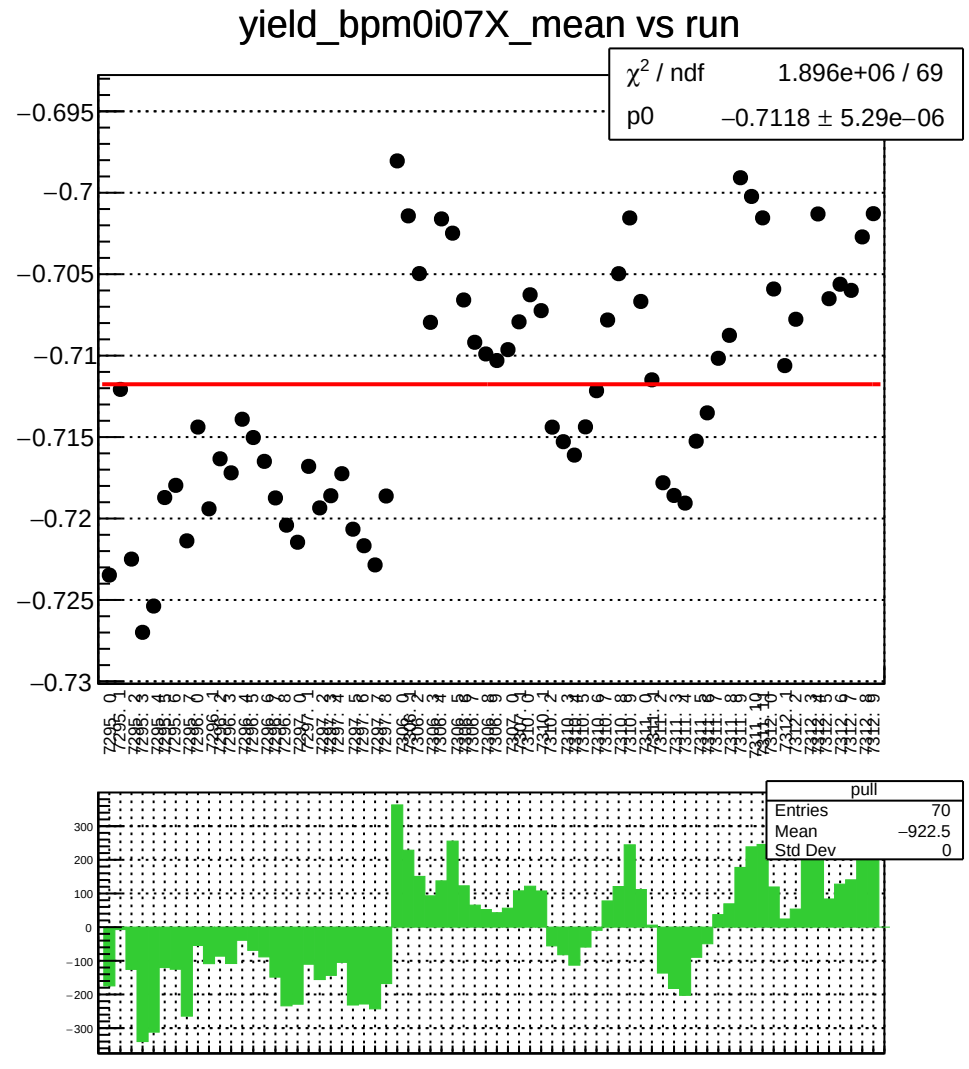

yield_bpm0i05X_mean vs run
χ² / ndf 1.592e+09 / 69
p0 −0.1803 ± 6.885e−06
pull
Entries 70
Mean −7295
Std Dev 0

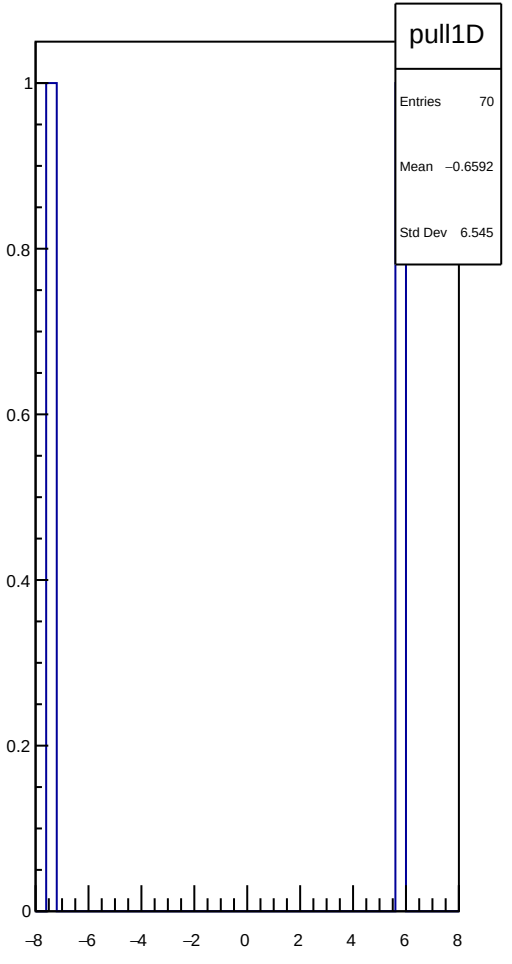

pull1D
Entries 70
Mean 0
Std Dev 0


yield_bpm0i05X_rms vs run
χ^2 / ndf 3.653e+04 / 69
p0 0.005513 ± 4.868e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004


yield_bpm0i05Y_mean vs run
χ² / ndf 2.3e+08 / 69
p0 −0.4505 ± 5.312e−06
pull
Entries 70
Mean −2459
Std Dev 0
pull1D
Entries 70
Mean 0
Std Dev 0


yield_bpm0i05Y_rms vs run
χ² / ndf 4.839e+04 / 69
p0 0.004234 ± 3.756e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003


yield_bpm0i07X_mean vs run
χ² / ndf 1.896e+06 / 69
p0 −0.7118 ± 5.29e−06
−0.695
−0.7
−0.705
−0.71
−0.715
−0.72
−0.725
−0.73
pull
Entries 70
Mean −922.5
Std Dev 0
300
200
100
0
−100
−200
−300


pull1D
Entries 70
Mean −0.6592
Std Dev 6.545
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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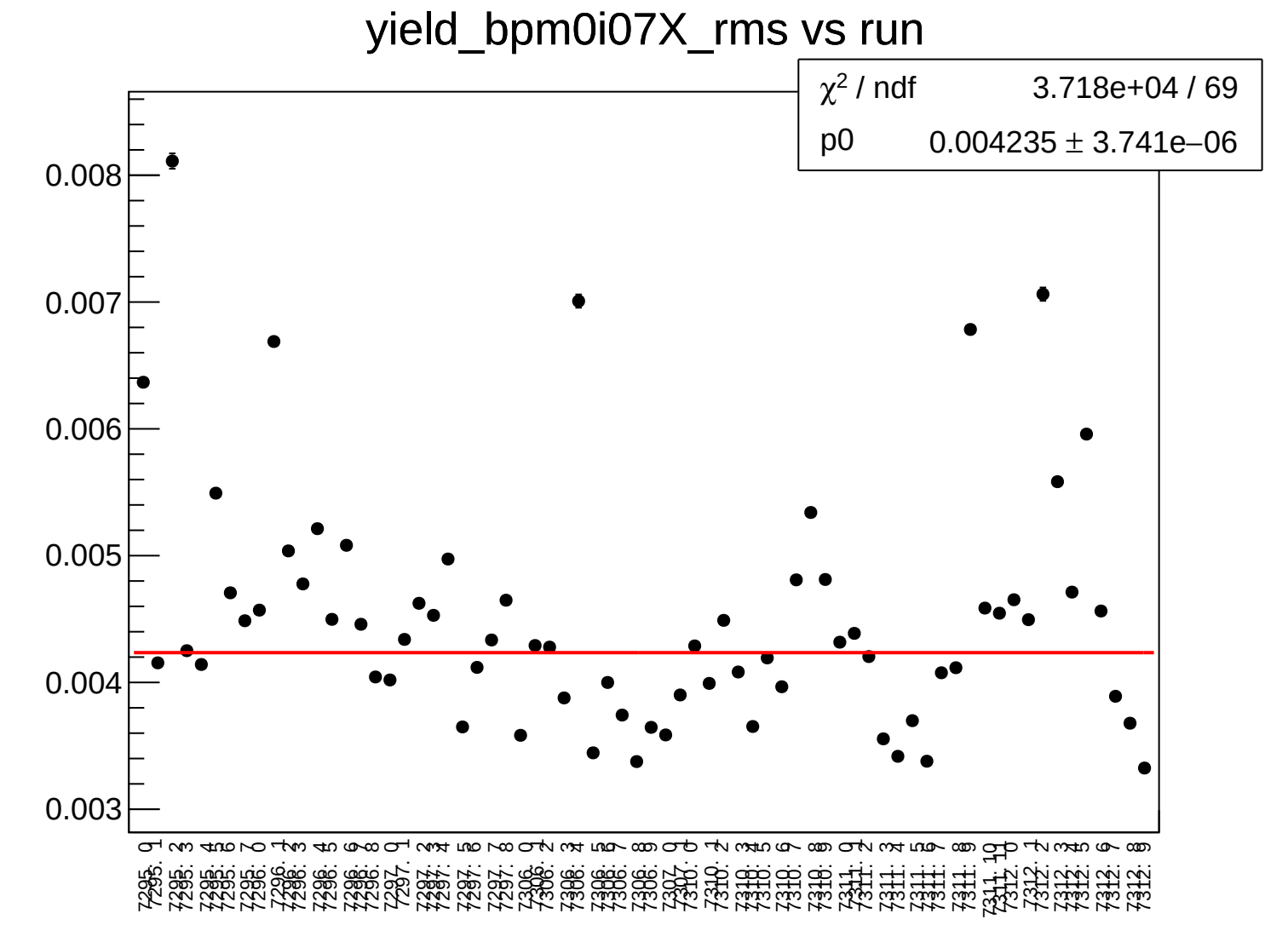
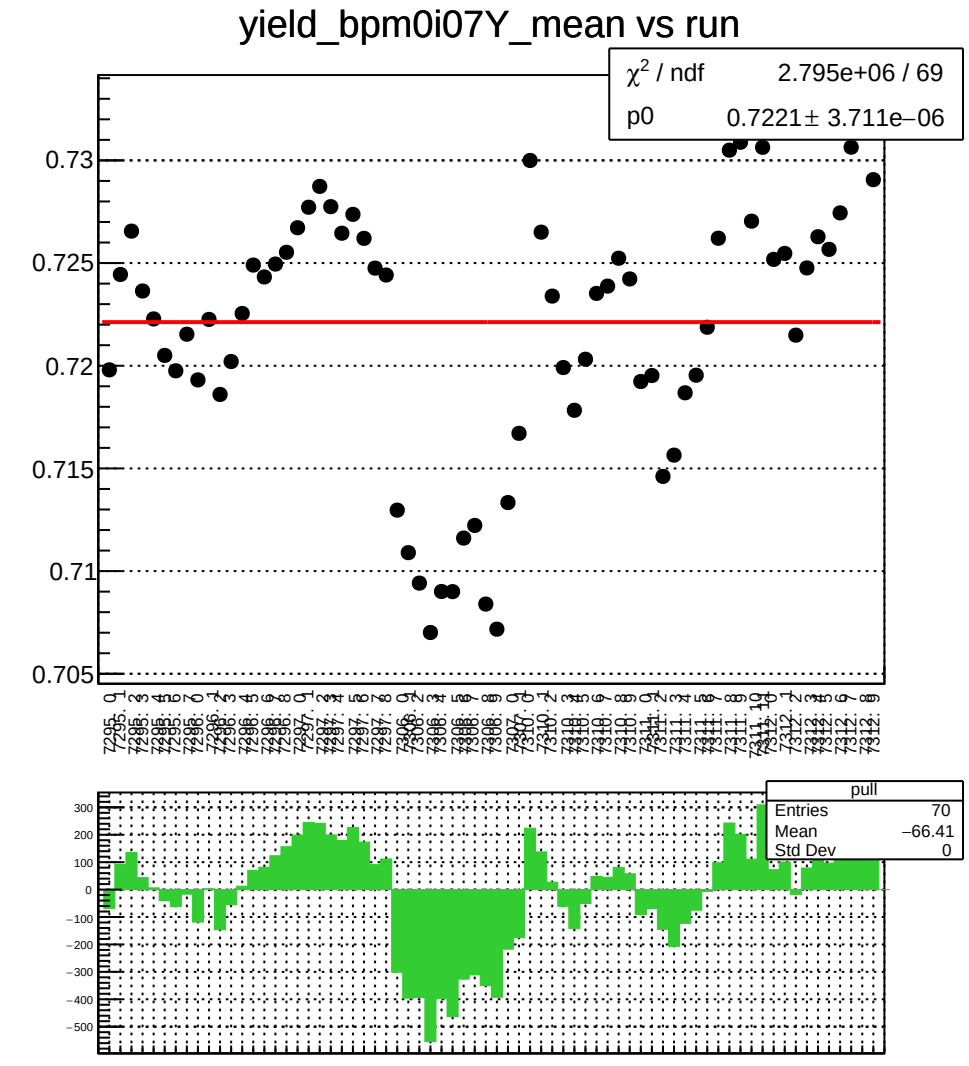
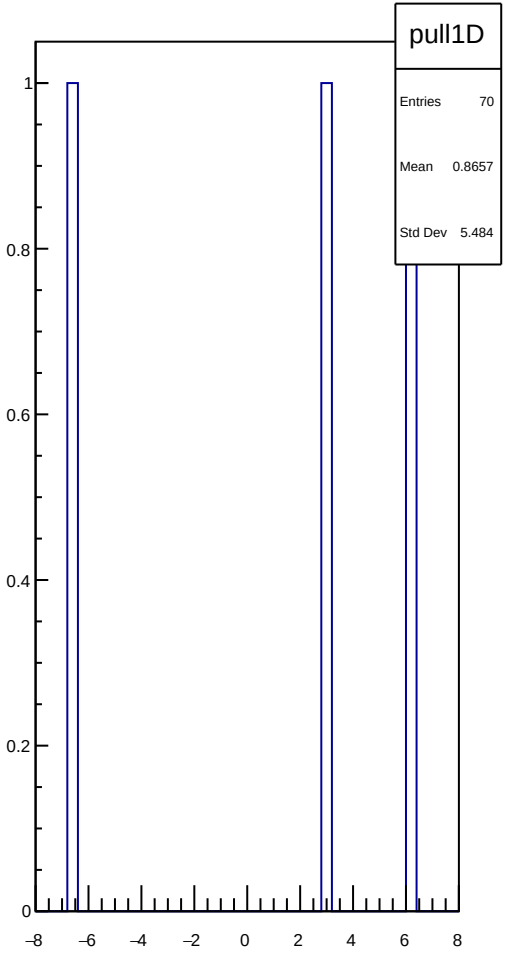
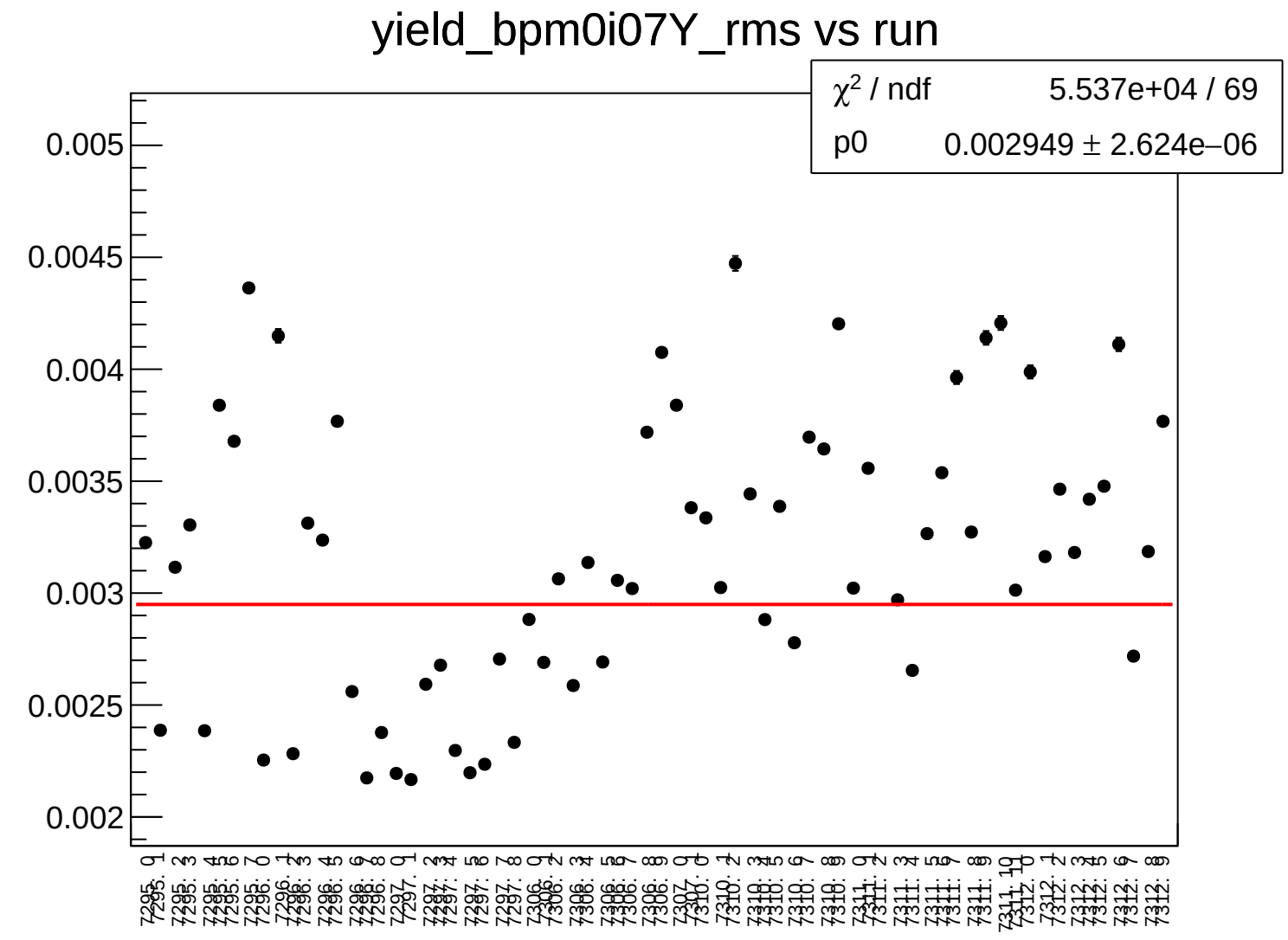
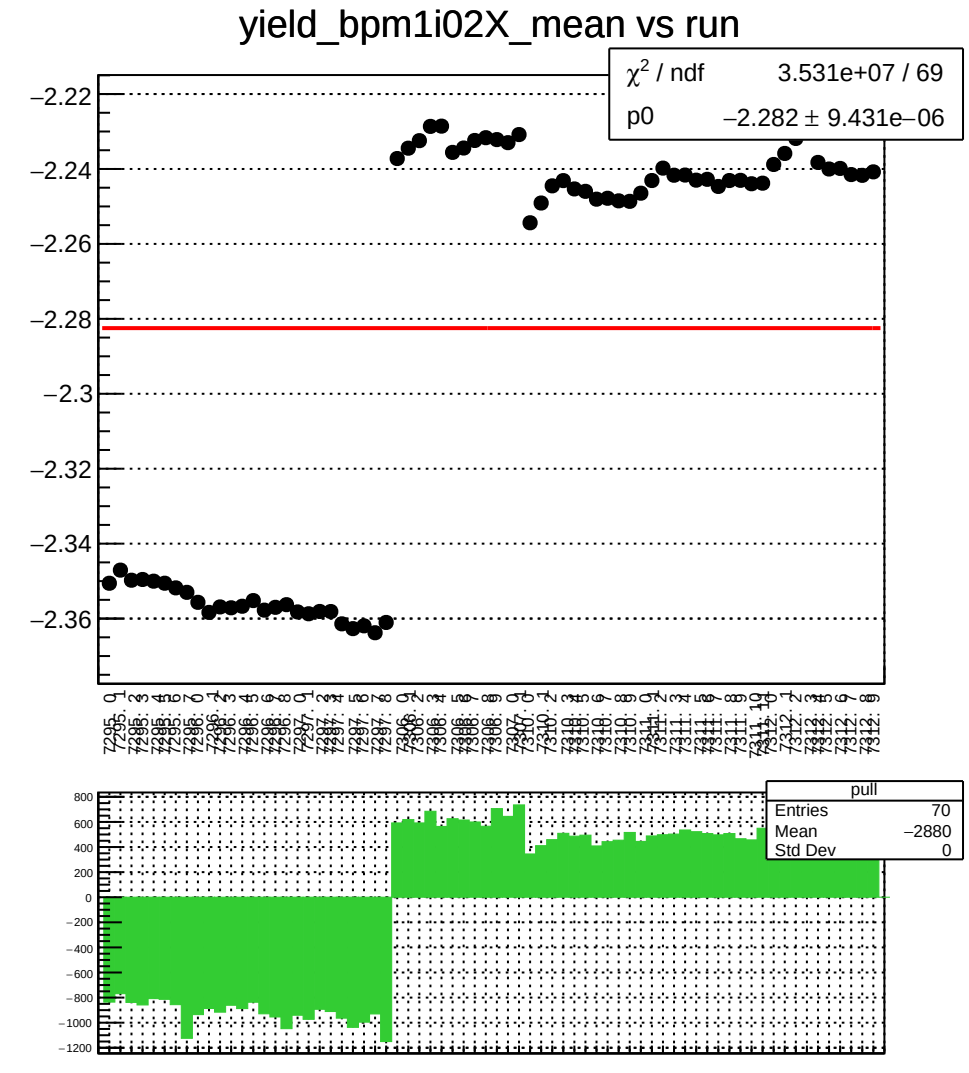
0
2
4
6
8

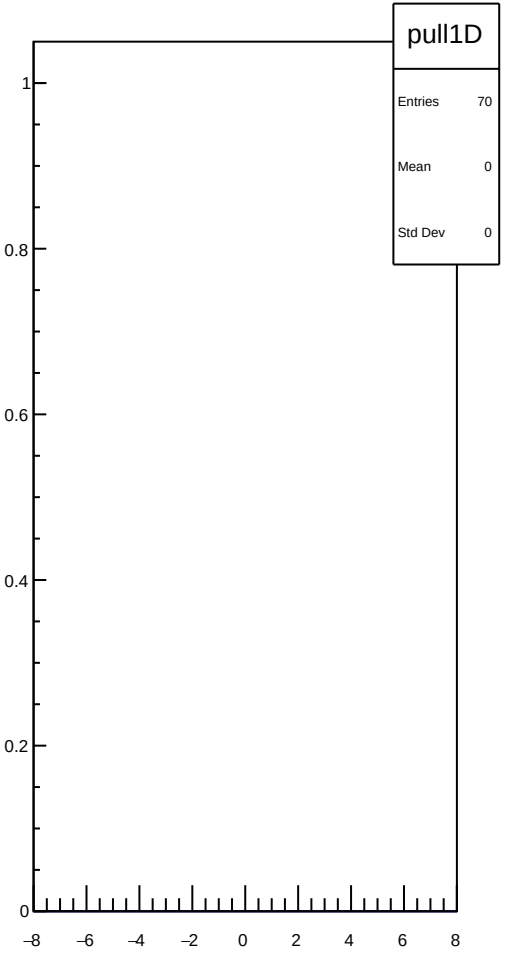

yield_bpm0i07X_rms vs run
χ² / ndf 3.718e+04 / 69
p0 0.004235 ± 3.741e−06
0.008
0.007
0.006
0.005
0.004
0.003

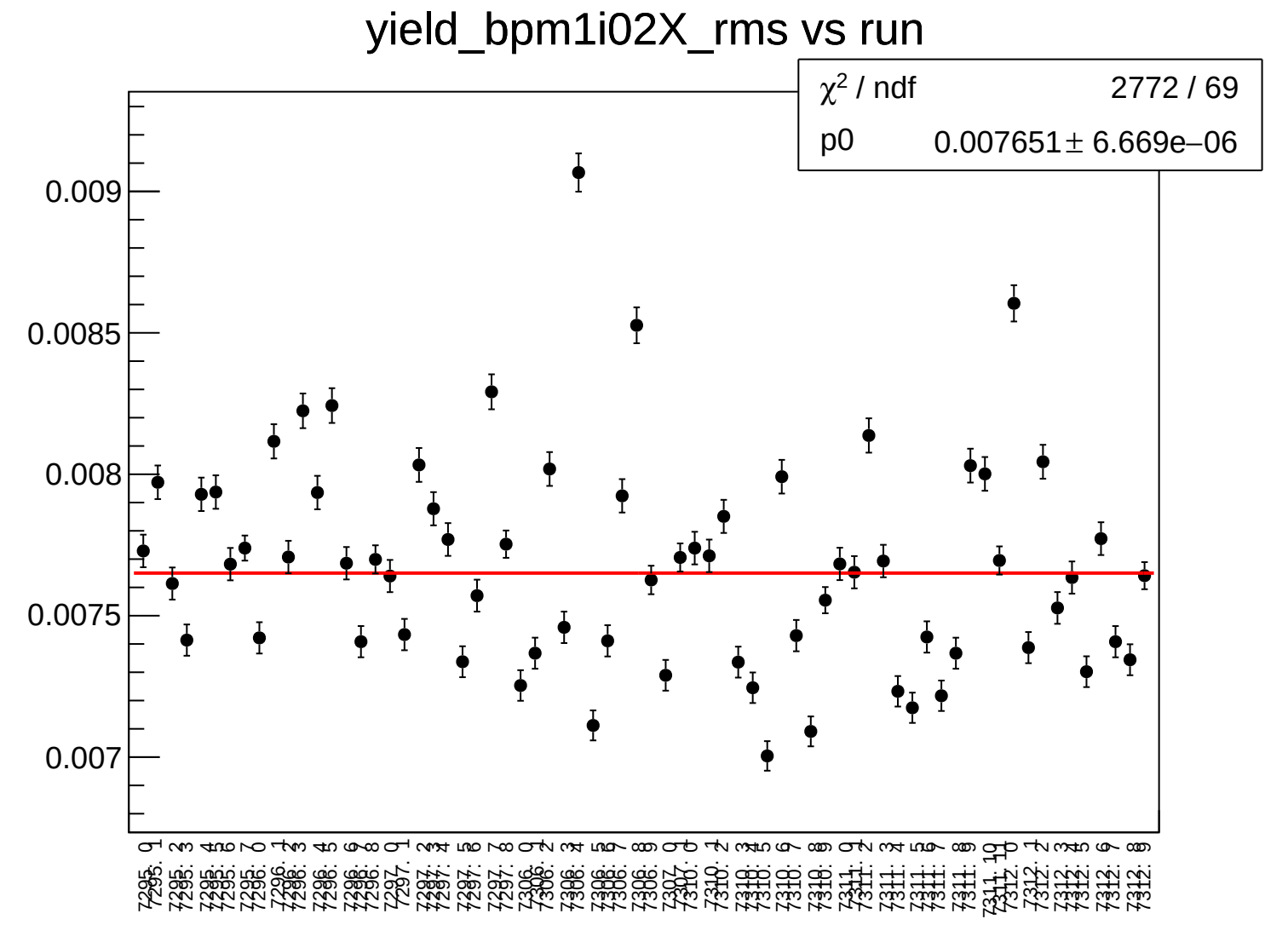

yield_bpm0i07Y_mean vs run
χ² / ndf 2.795e+06 / 69
p0 0.7221 ± 3.711e−06
0.73
0.725
0.72
0.715
0.71
0.705
pull
Entries 70
Mean −66.41
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

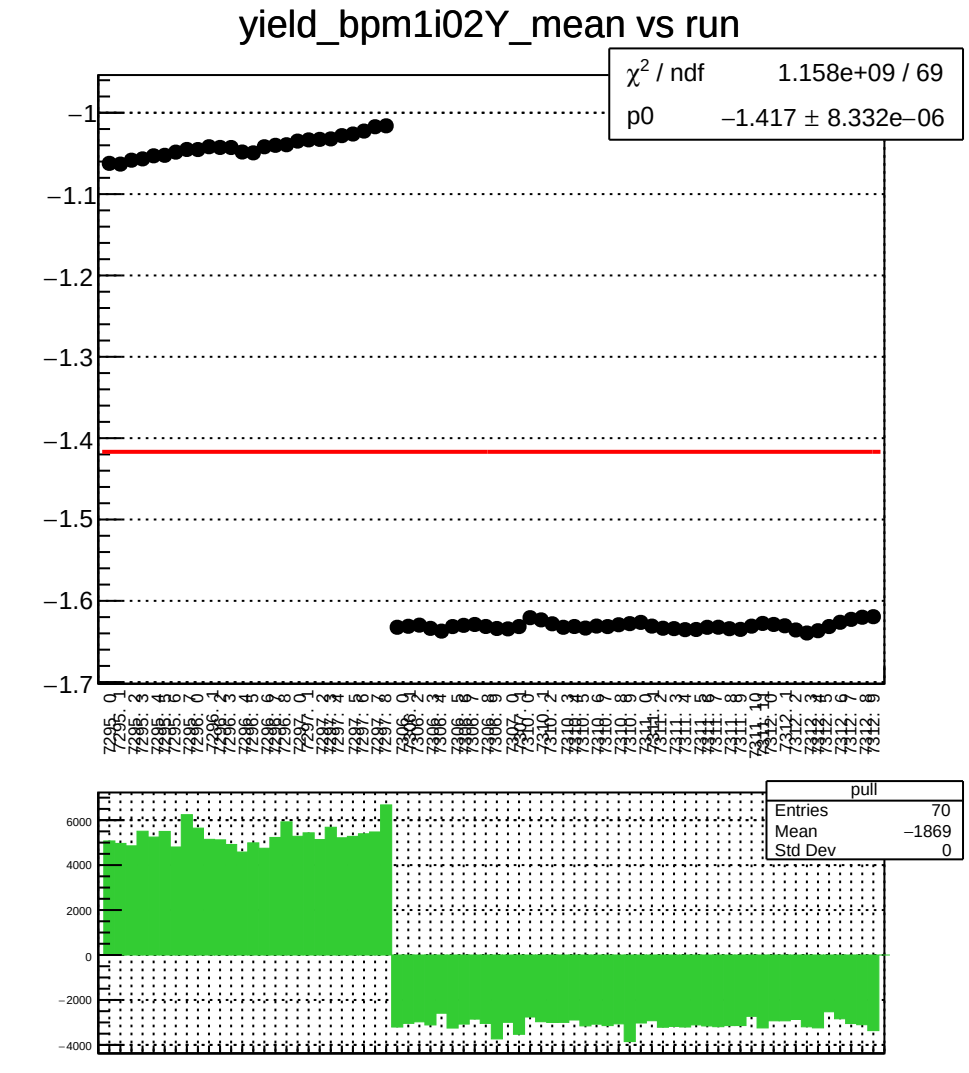

pull1D
Entries 70
Mean 0.8657
Std Dev 5.484
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

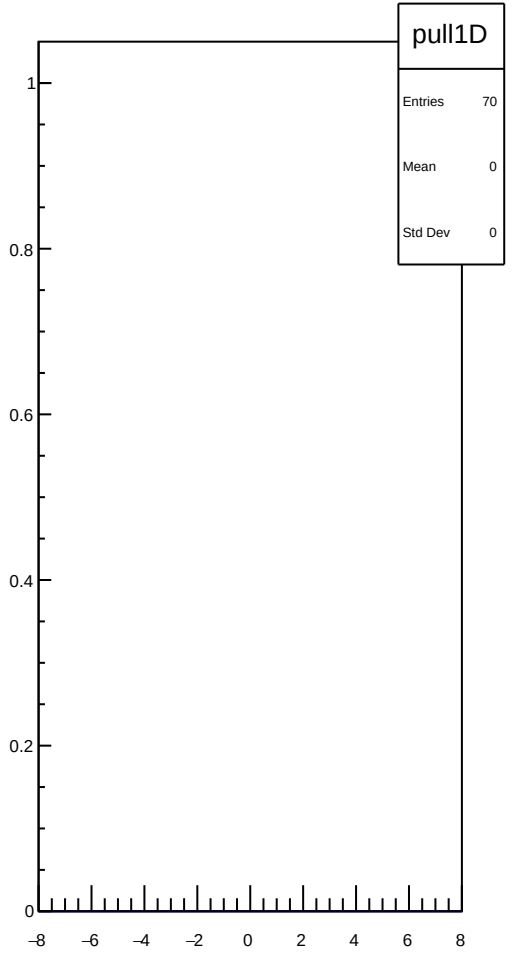

yield_bpm0i07Y_rms vs run
χ² / ndf 5.537e+04 / 69
p0 0.002949 ± 2.624e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

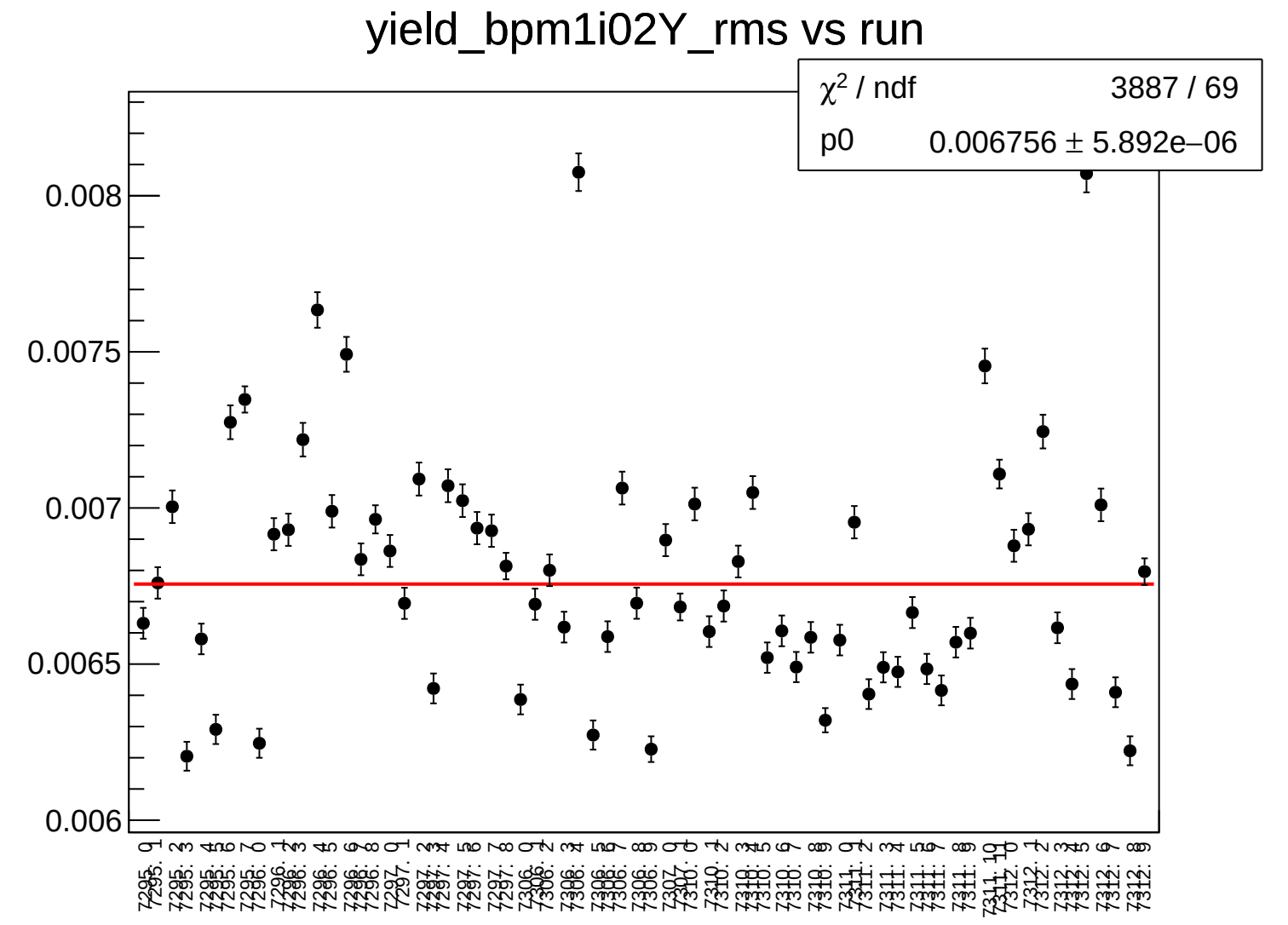

yield_bpm1i02X_mean vs run
χ² / ndf 3.531e+07 / 69
p0 −2.282 ± 9.431e−06
−2.22
−2.24
−2.26
−2.28
−2.3
−2.32
−2.34
−2.36
pull
Entries 70
Mean −2880
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

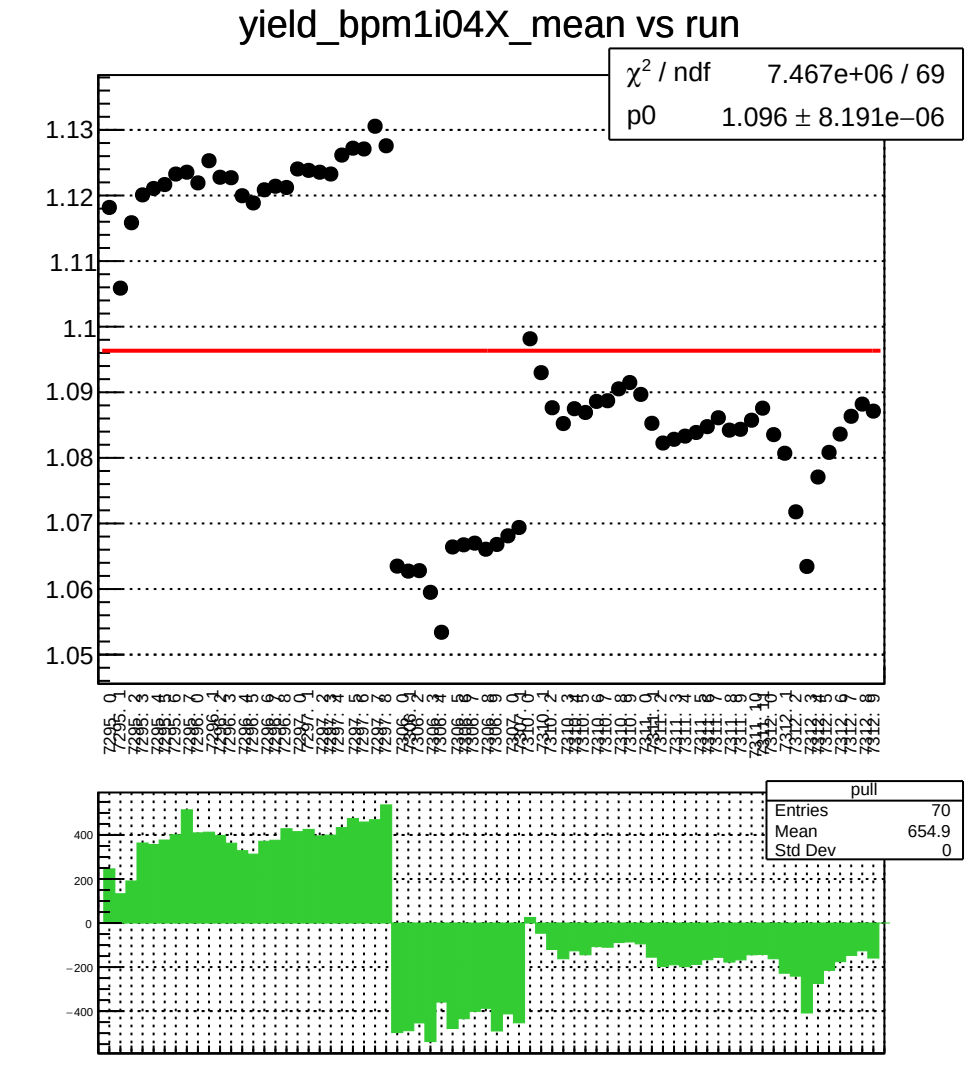

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

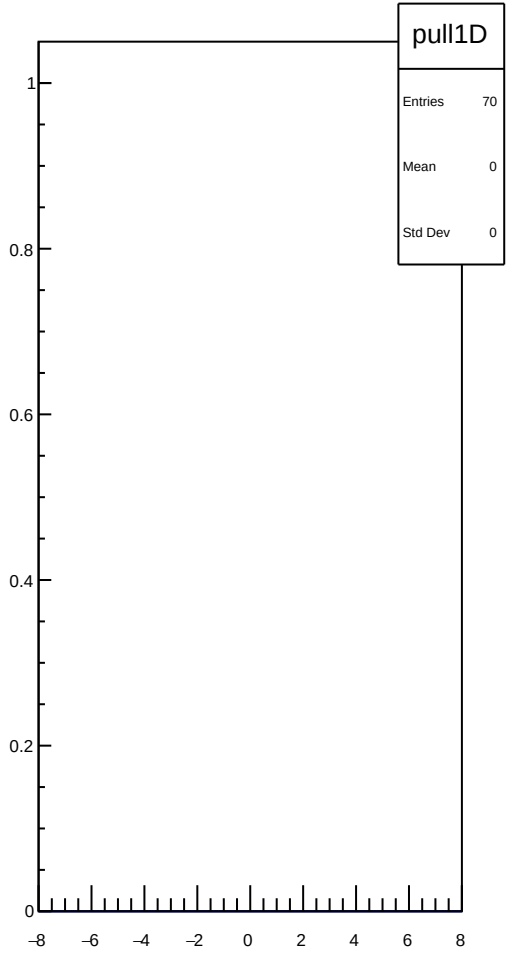

yield_bpm1i02X_rms vs run
χ² / ndf 2772 / 69
p0 0.007651 ± 6.669e−06
0.009
0.0085
0.008
0.0075
0.007

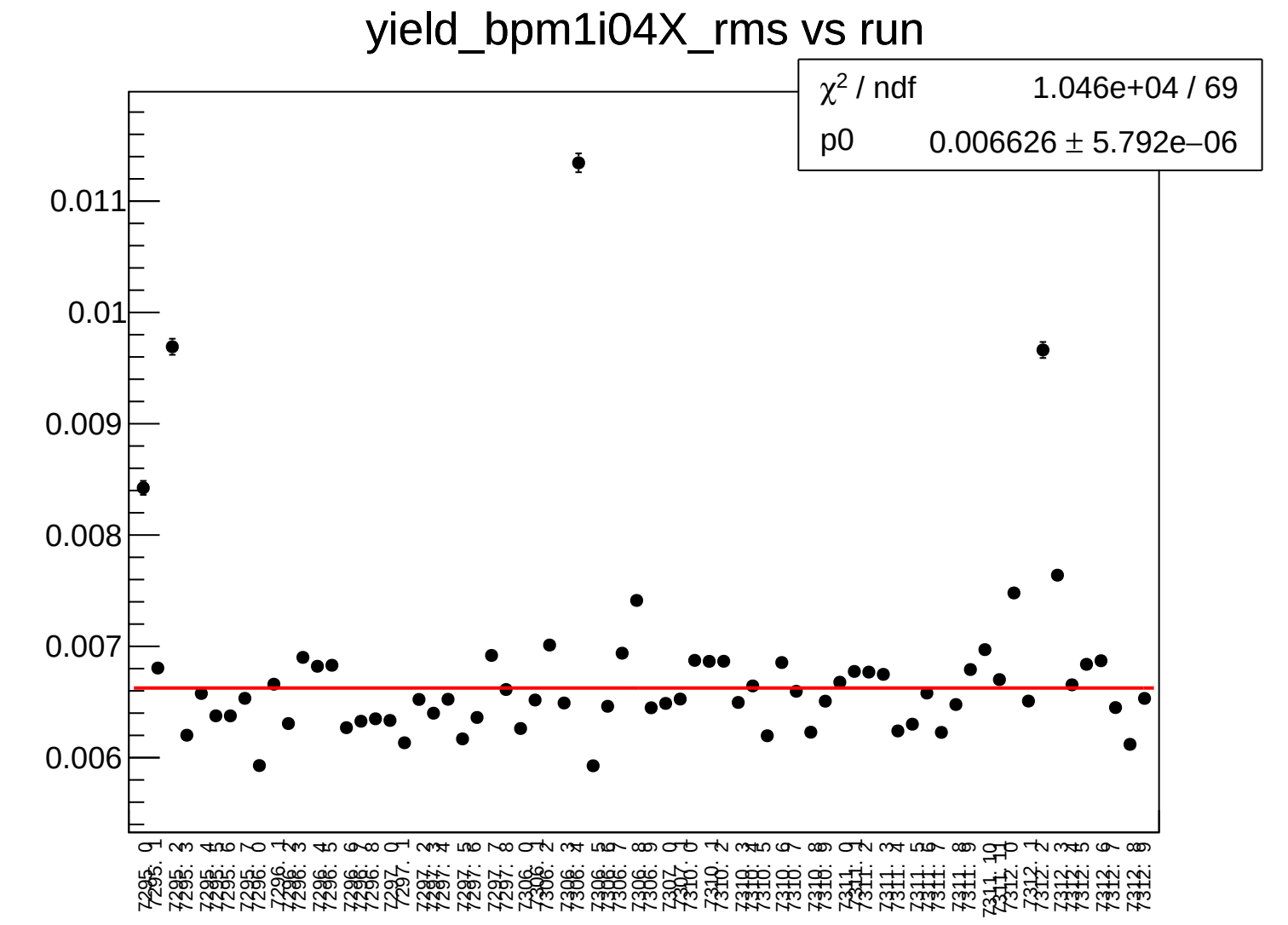

yield_bpm1i02Y_mean vs run
χ² / ndf 1.158e+09 / 69
p0 −1.417 ± 8.332e−06
pull
Entries 70
Mean −1869
Std Dev 0

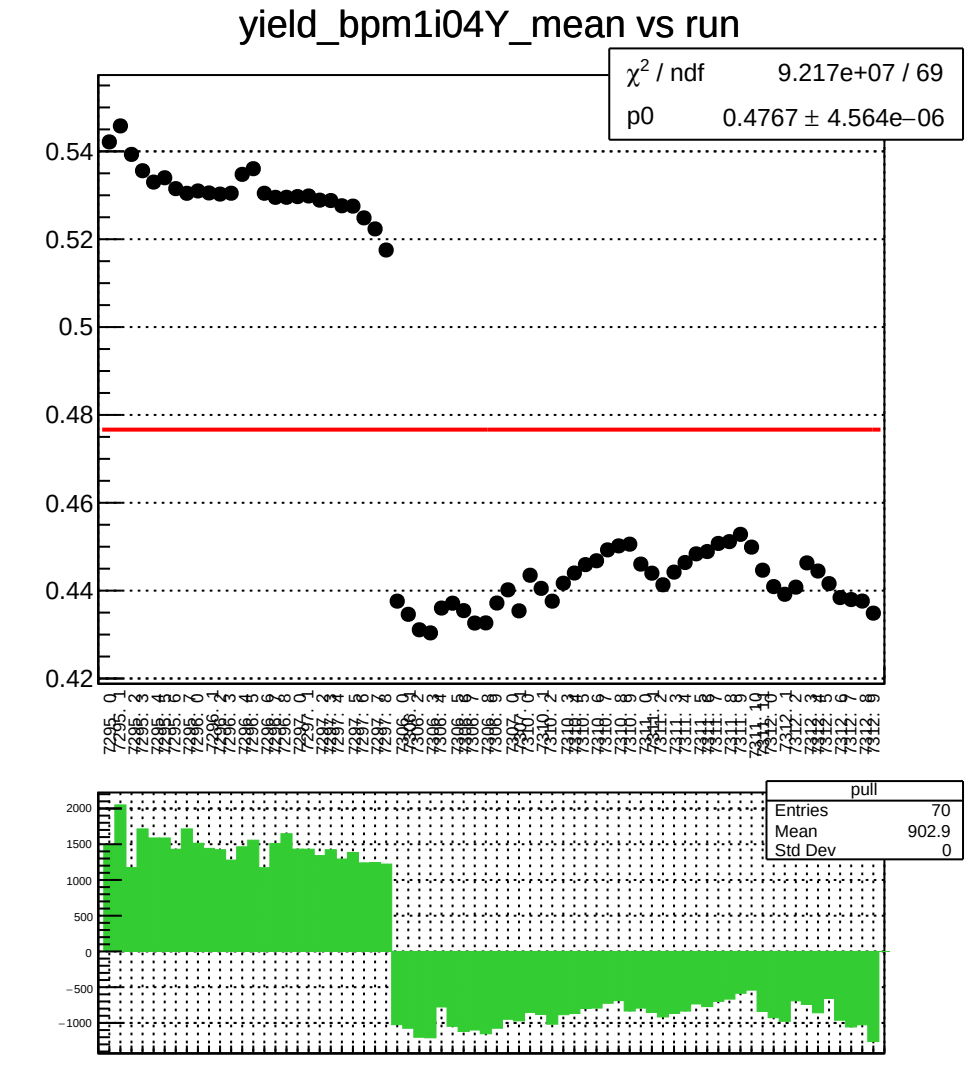

pull1D
Entries 70
Mean 0
Std Dev 0

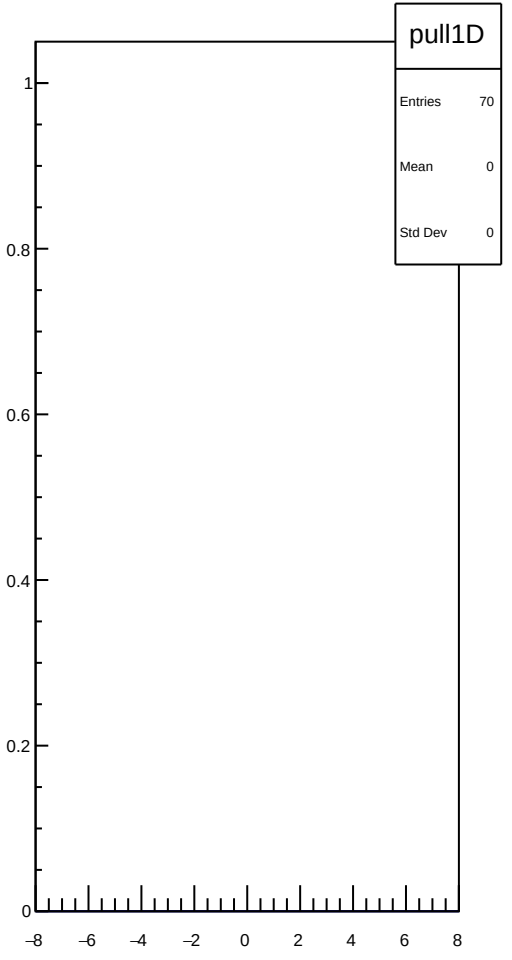

yield_bpm1i02Y_rms vs run
χ² / ndf 3887 / 69
p0 0.006756 ± 5.892e−06
0.008
0.0075
0.007
0.0065
0.006

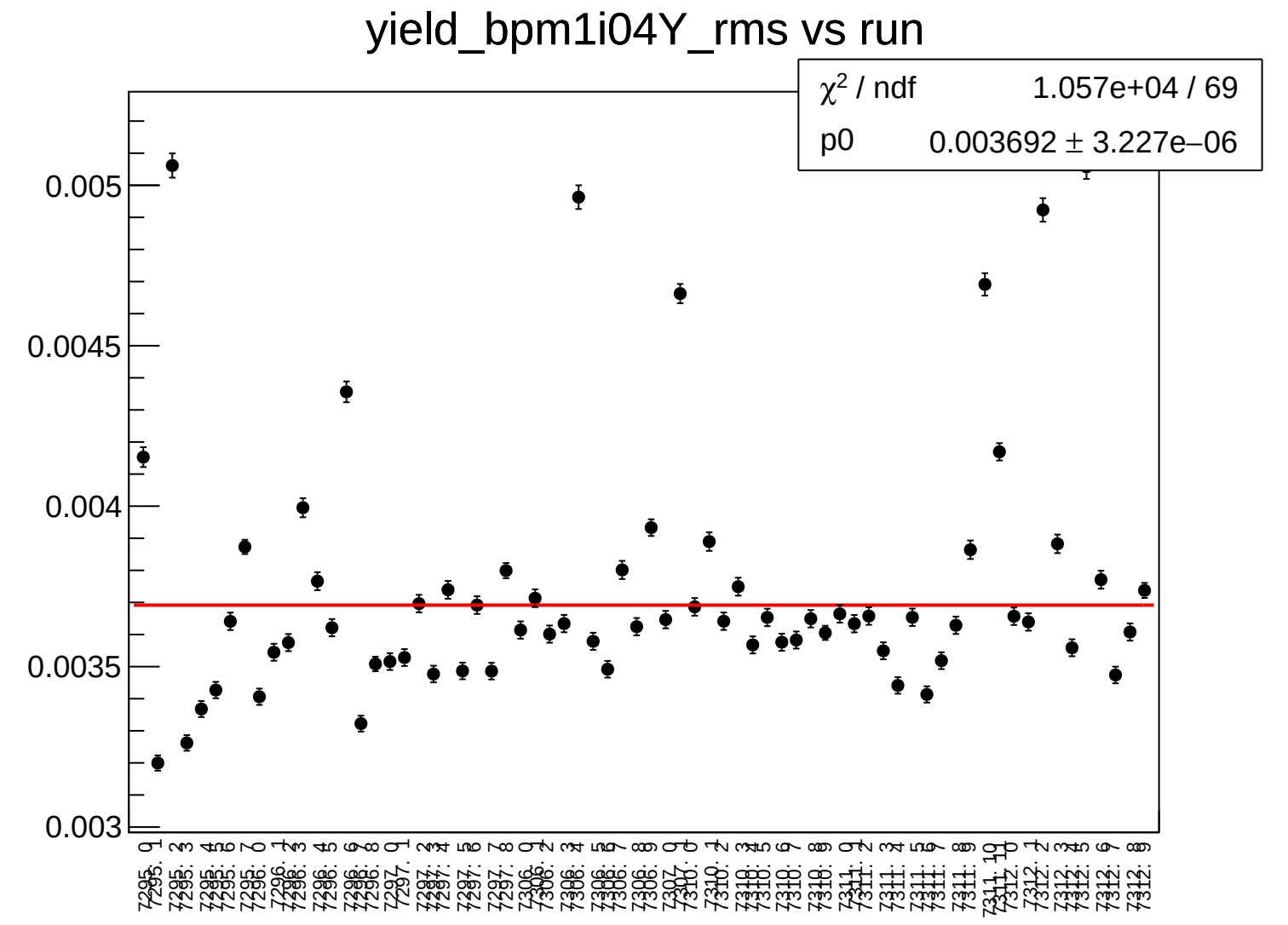

yield_bpm1i04X_mean vs run
χ² / ndf 7.467e+06 / 69
p0 1.096 ± 8.191e−06
1.13
1.12
1.11
1.1
1.09
1.08
1.07
1.06
1.05
pull
Entries 70
Mean 654.9
Std Dev 0
400
200
0
−200
−400

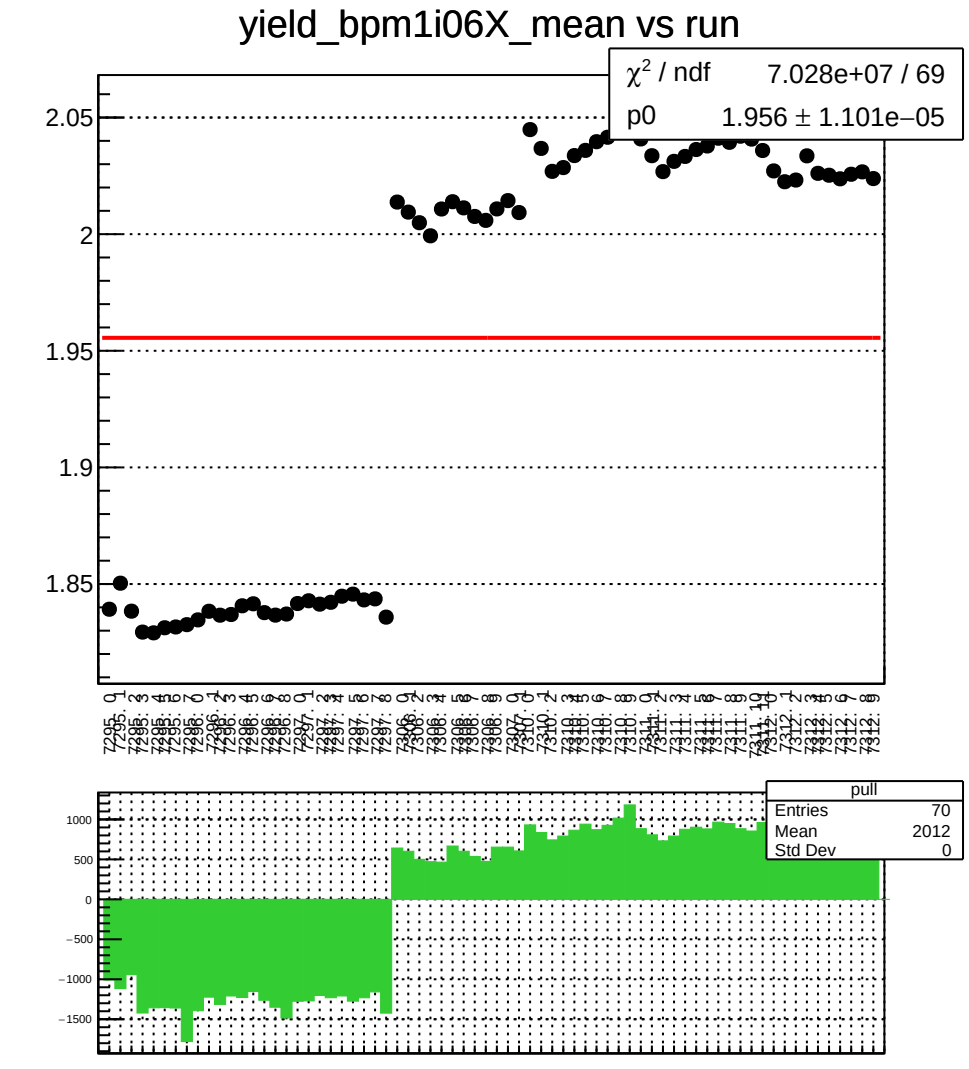

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

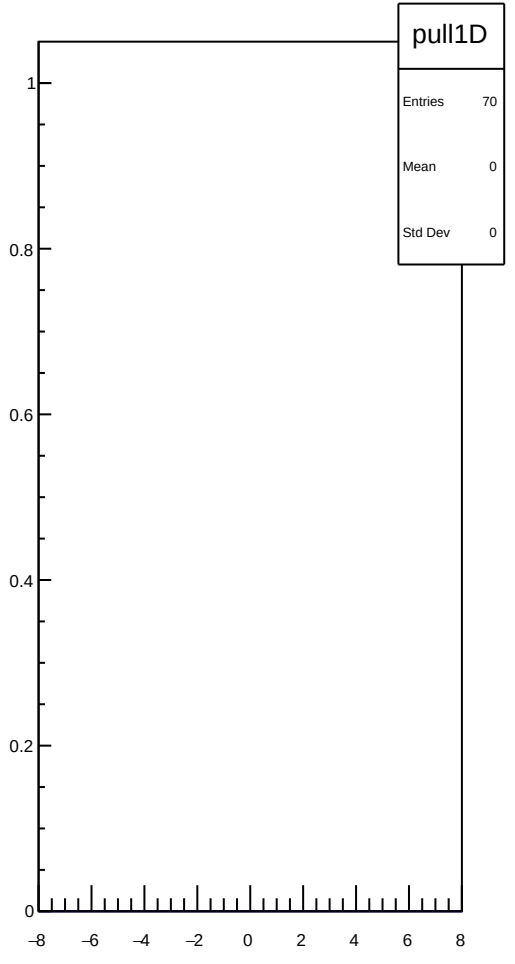

yield_bpm1i04X_rms vs run
χ² / ndf 1.046e+04 / 69
p0 0.006626 ± 5.792e−06
0.011
0.01
0.009
0.008
0.007
0.006


yield_bpm1i04Y_mean vs run
χ² / ndf 9.217e+07 / 69
p0 0.4767 ± 4.564e−06
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 70
Mean 902.9
Std Dev 0
2000
1500
1000
500
0
−500
−1000

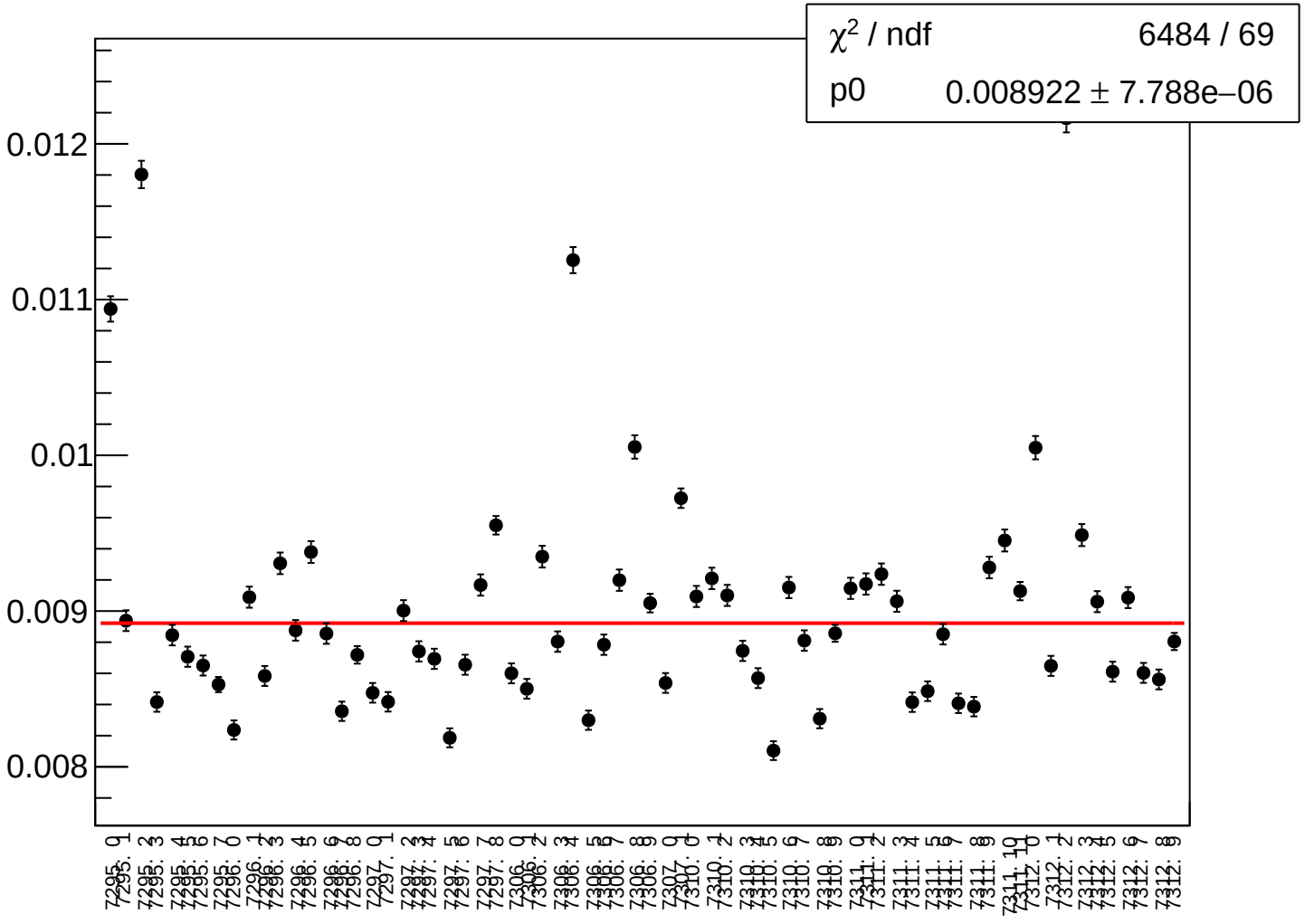

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

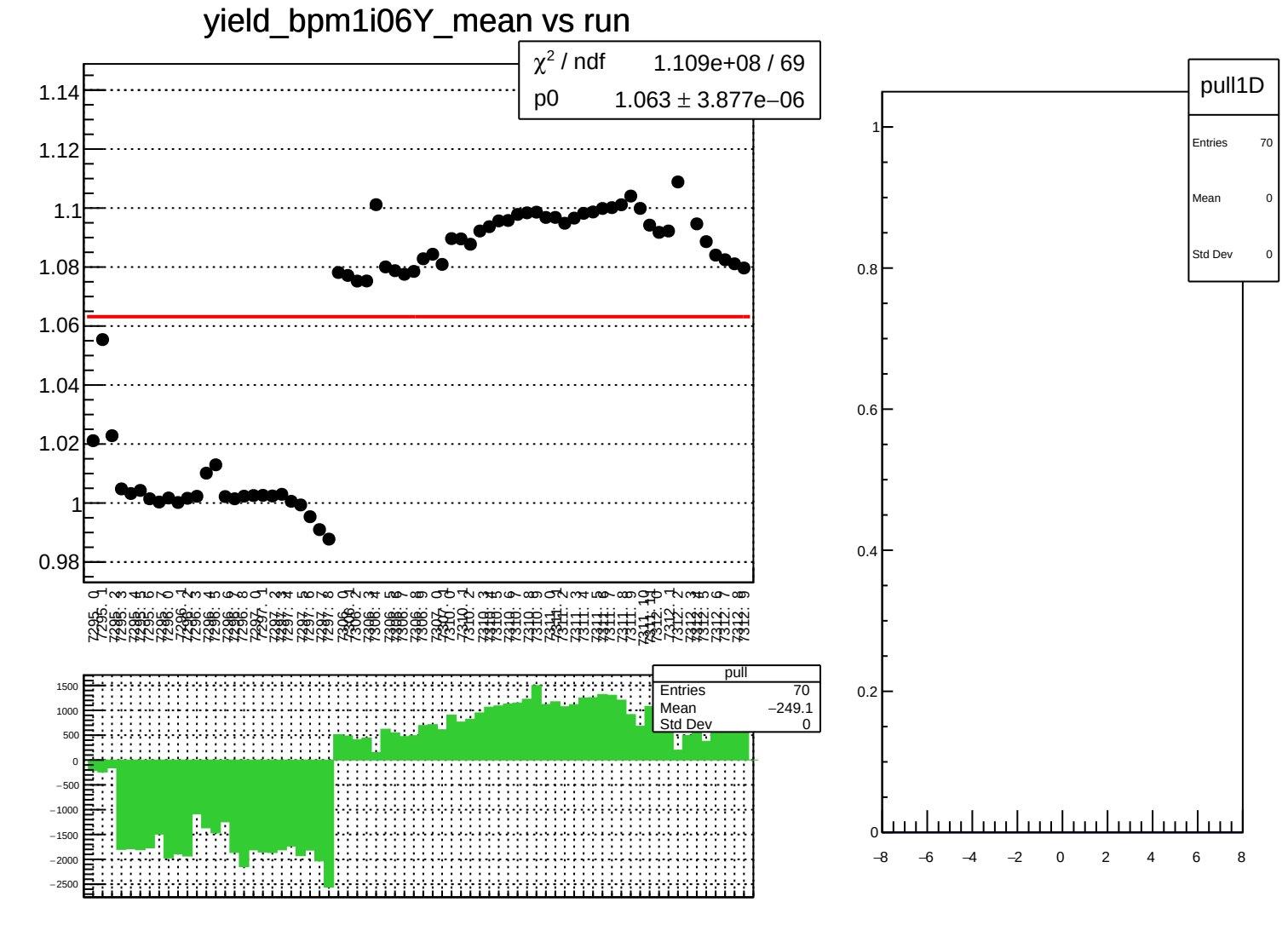

yield_bpm1i04Y_rms vs run
χ^2 / ndf 1.057e+04 / 69
p0 0.003692 ± 3.227e−06
0.005
0.0045
0.004
0.0035
0.003

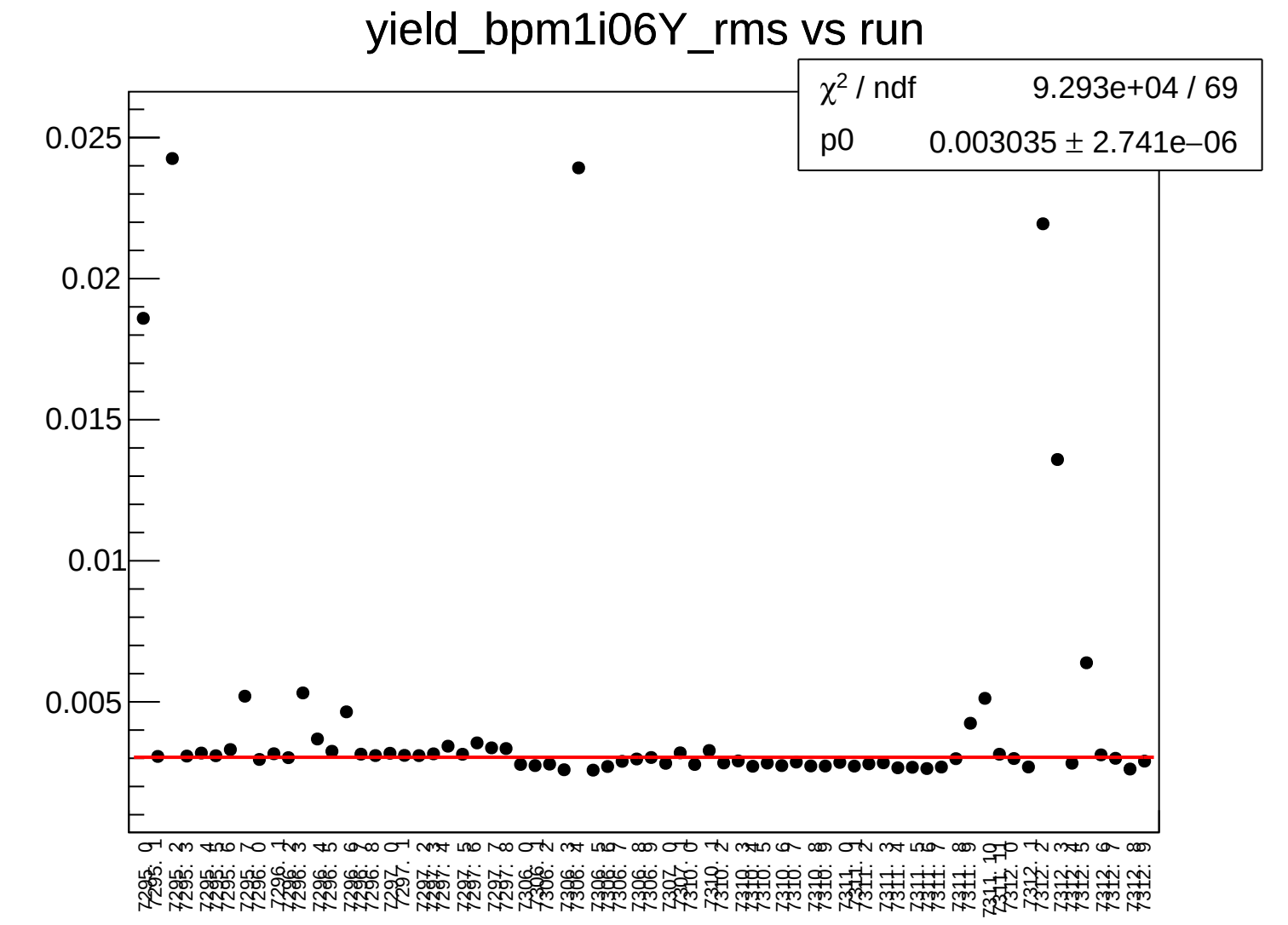

yield_bpm1i06X_mean vs run
χ² / ndf 7.028e+07 / 69
p0 1.956 ± 1.101e−05
2.05
2
1.95
1.9
1.85
pull
Entries 70
Mean 2012
Std Dev 0
1000
500
0
−500
−1000
−1500

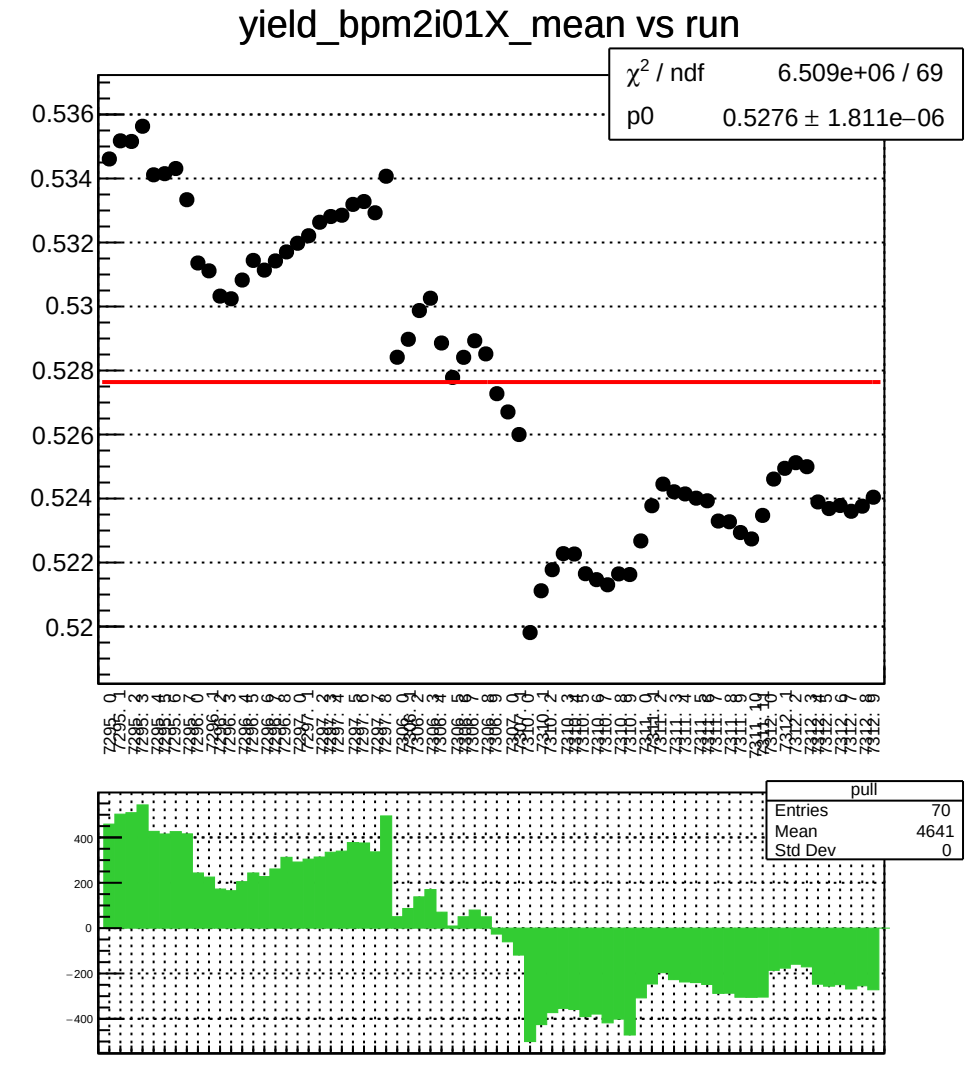

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

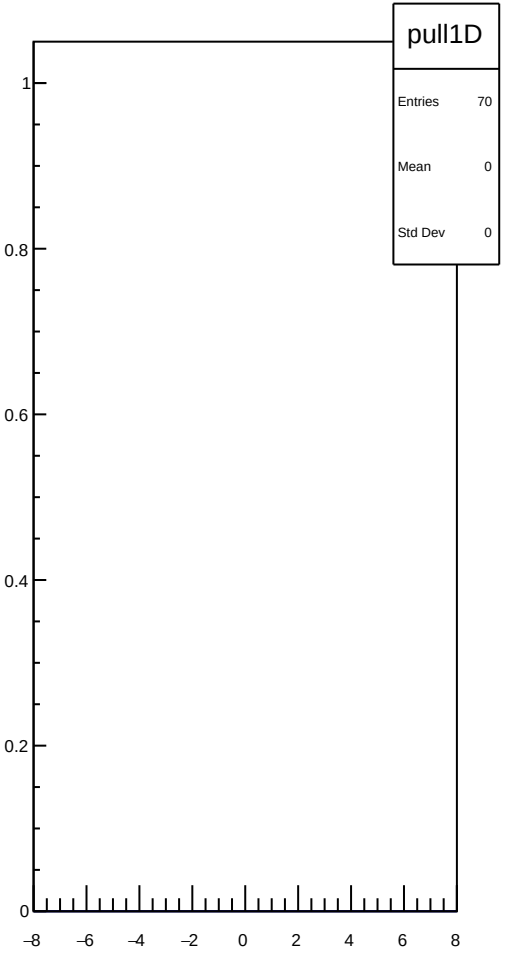
yield_bpm1i06X_rms vs run

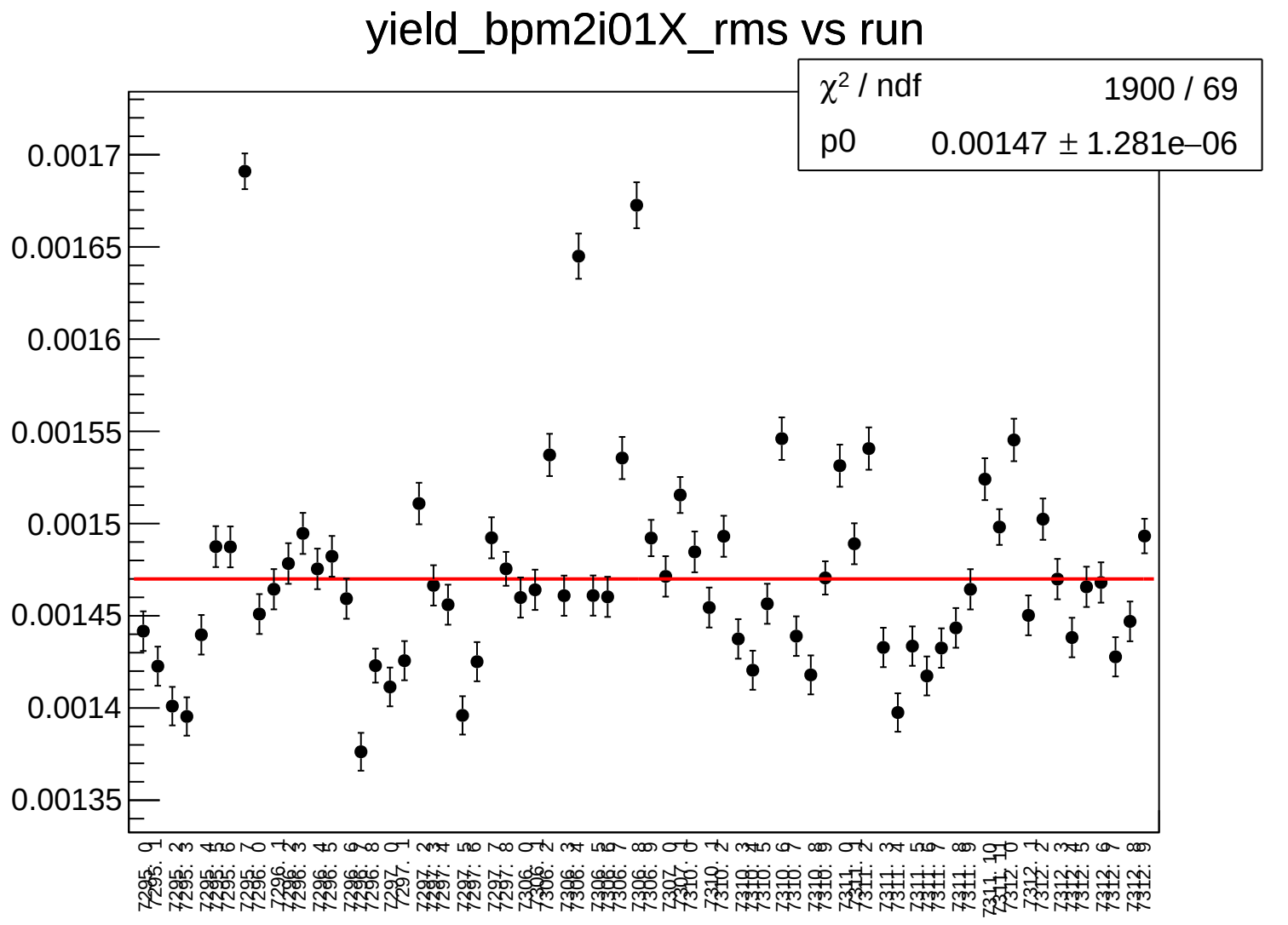


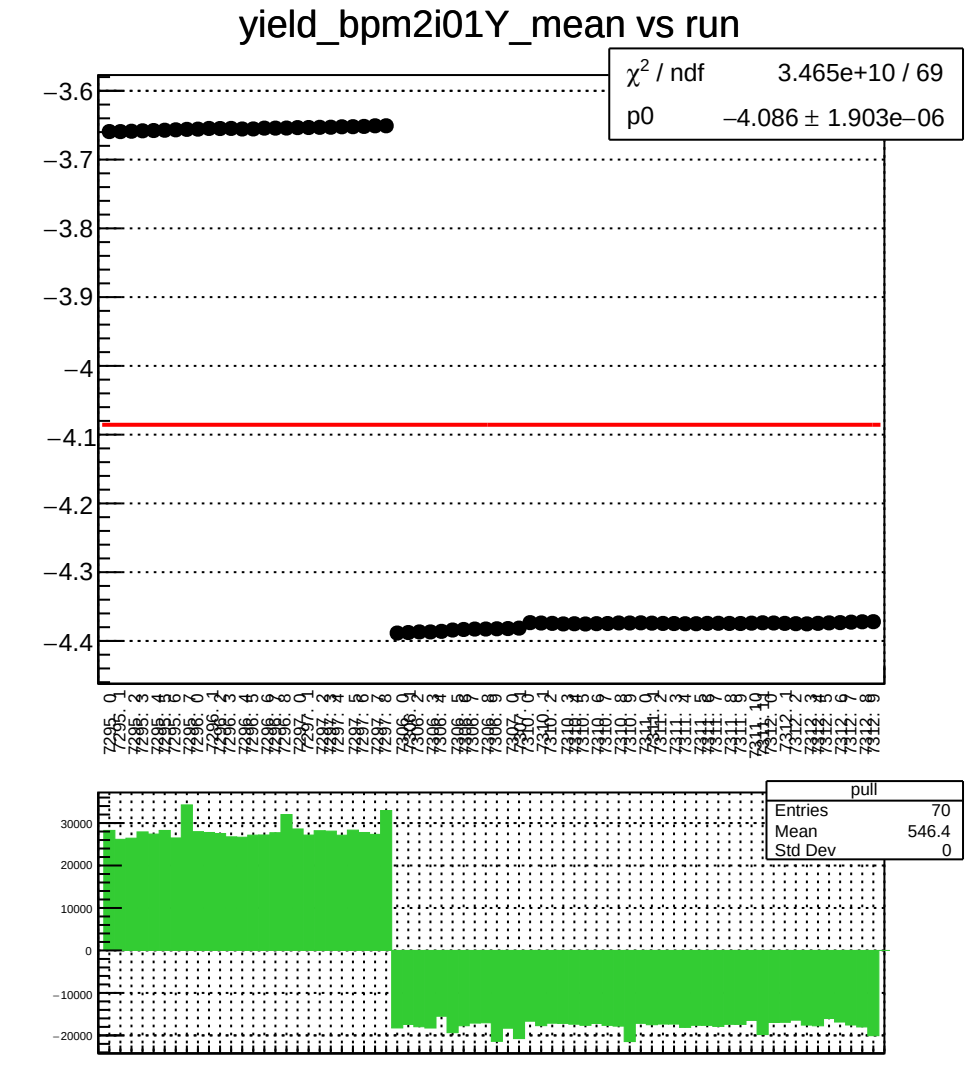

yield_bpm1i06Y_mean vs run
χ² / ndf 1.109e+08 / 69
p0 1.063 ± 3.877e−06
pull
Entries 70
Mean −249.1
Std Dev 0
pull1D
Entries 70
Mean 0
Std Dev 0

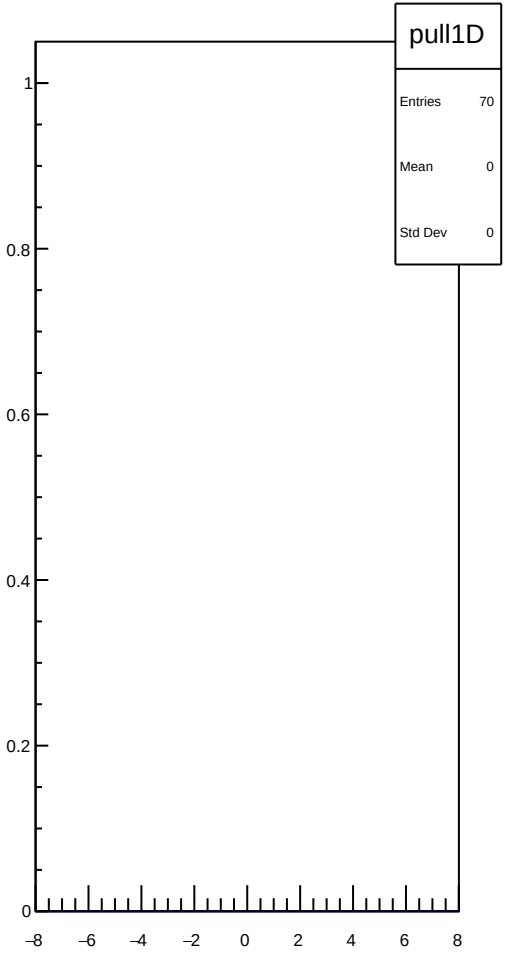

yield_bpm1i06Y_rms vs run
χ^2 / ndf 9.293e+04 / 69
p0 0.003035 ± 2.741e−06
0.025
0.02
0.015
0.01
0.005

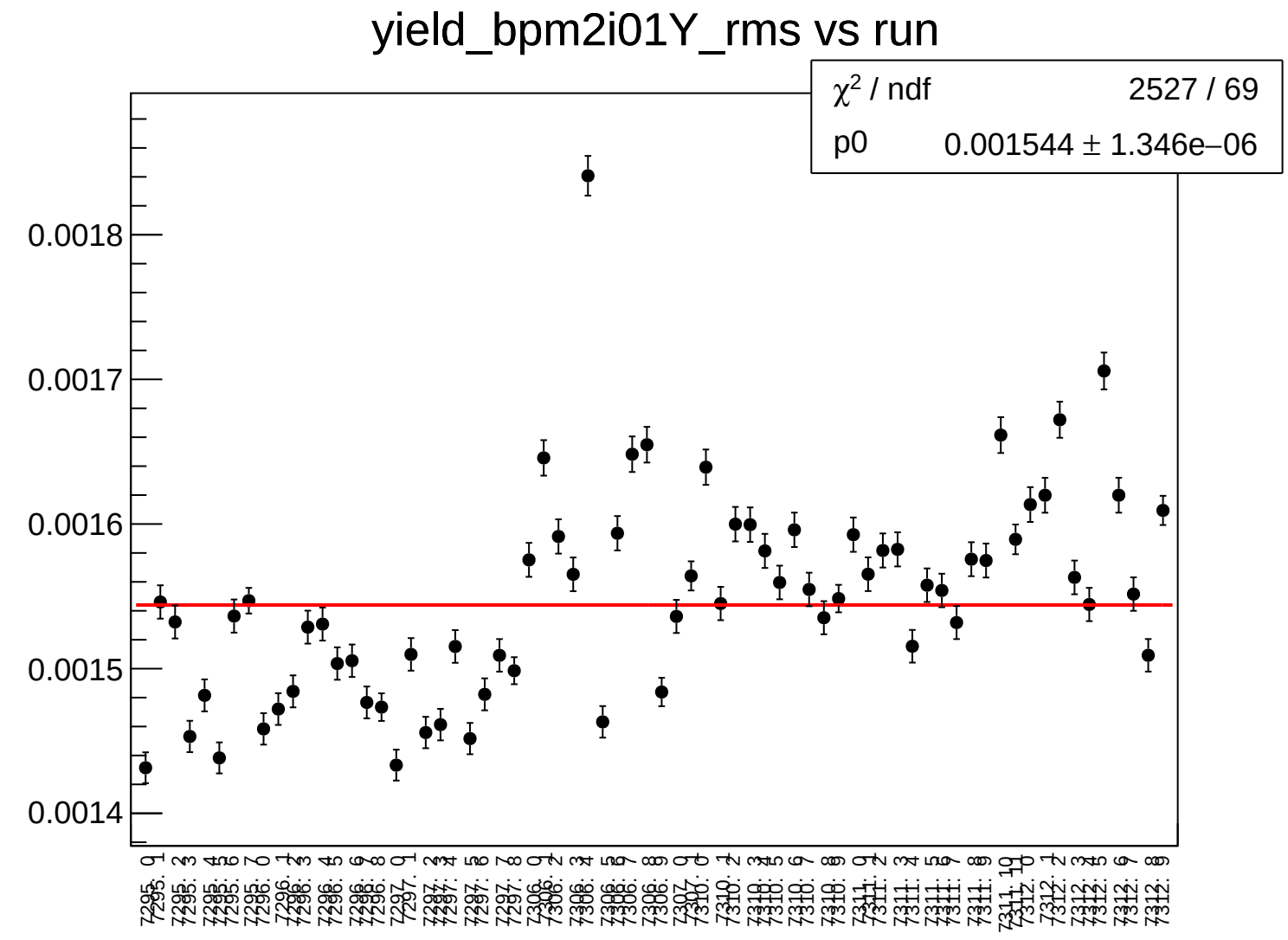

yield_bpm2i01X_mean vs run
χ² / ndf 6.509e+06 / 69
p0 0.5276 ± 1.811e−06
0.536
0.534
0.532
0.53
0.528
0.526
0.524
0.522
0.52
pull
Entries 70
Mean 4641
Std Dev 0
400
200
0
−200
−400

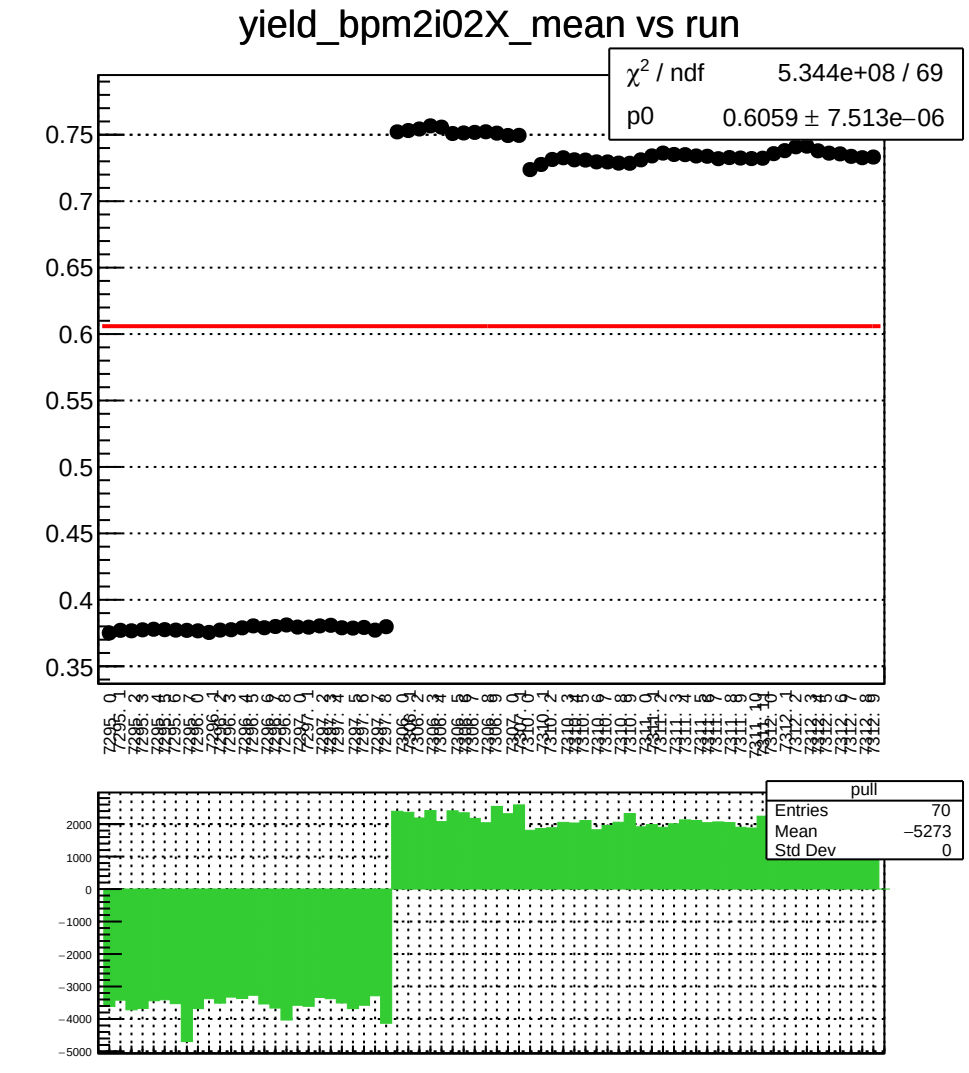

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

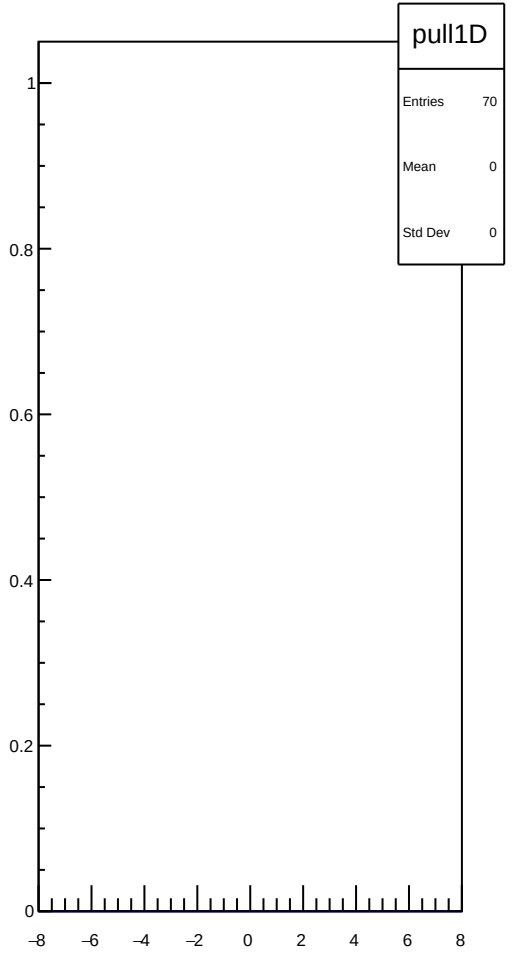

yield_bpm2i01X_rms vs run
χ² / ndf 1900 / 69
p0 0.00147 ± 1.281e–06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135

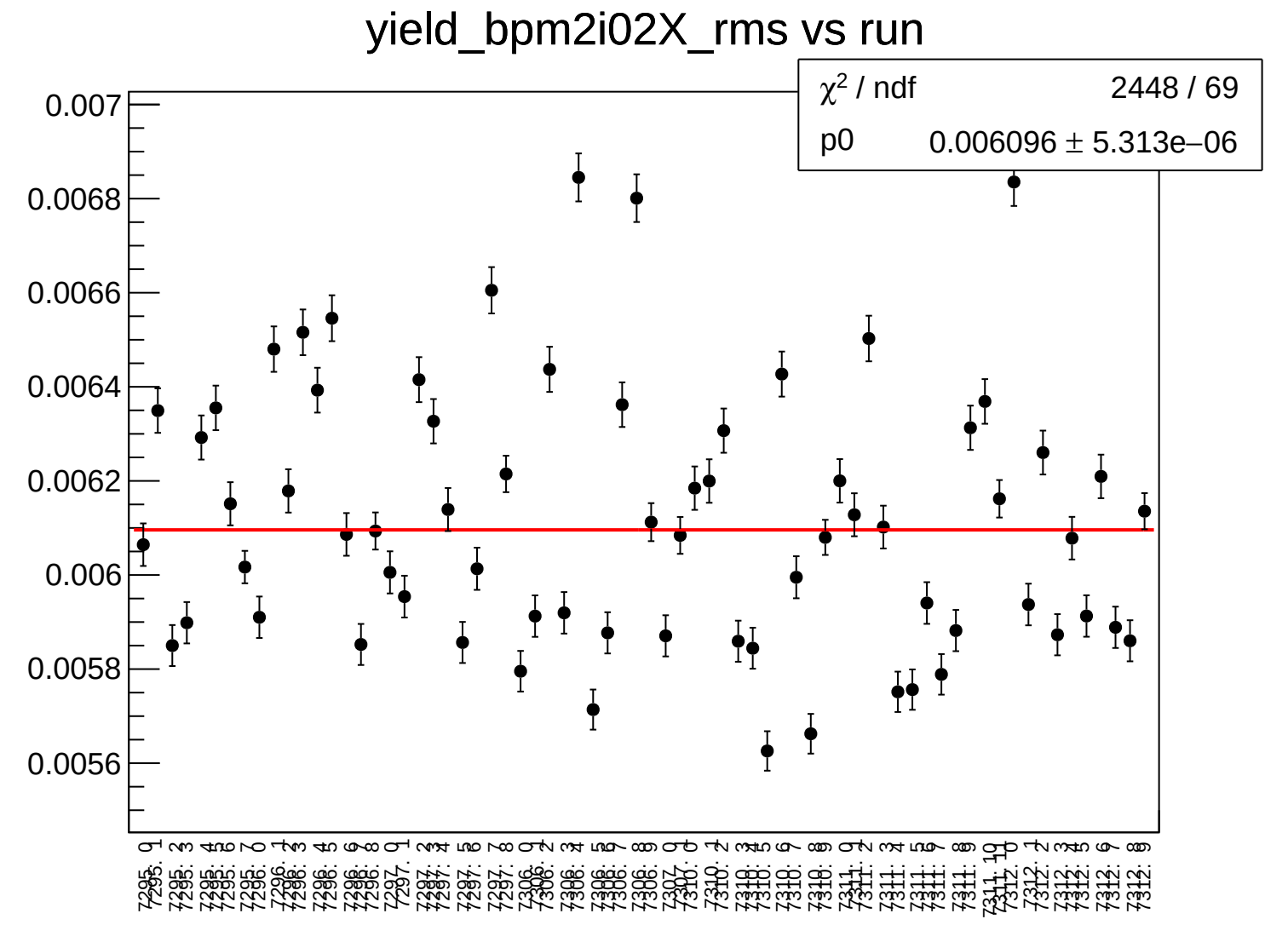

yield_bpm2i01Y_mean vs run
χ² / ndf 3.465e+10 / 69
p0 −4.086 ± 1.903e−06
−3.6
−3.7
−3.8
−3.9
−4
−4.1
−4.2
−4.3
−4.4
pull
Entries 70
Mean 546.4
Std Dev 0
30000
20000
10000
0
−10000
−20000

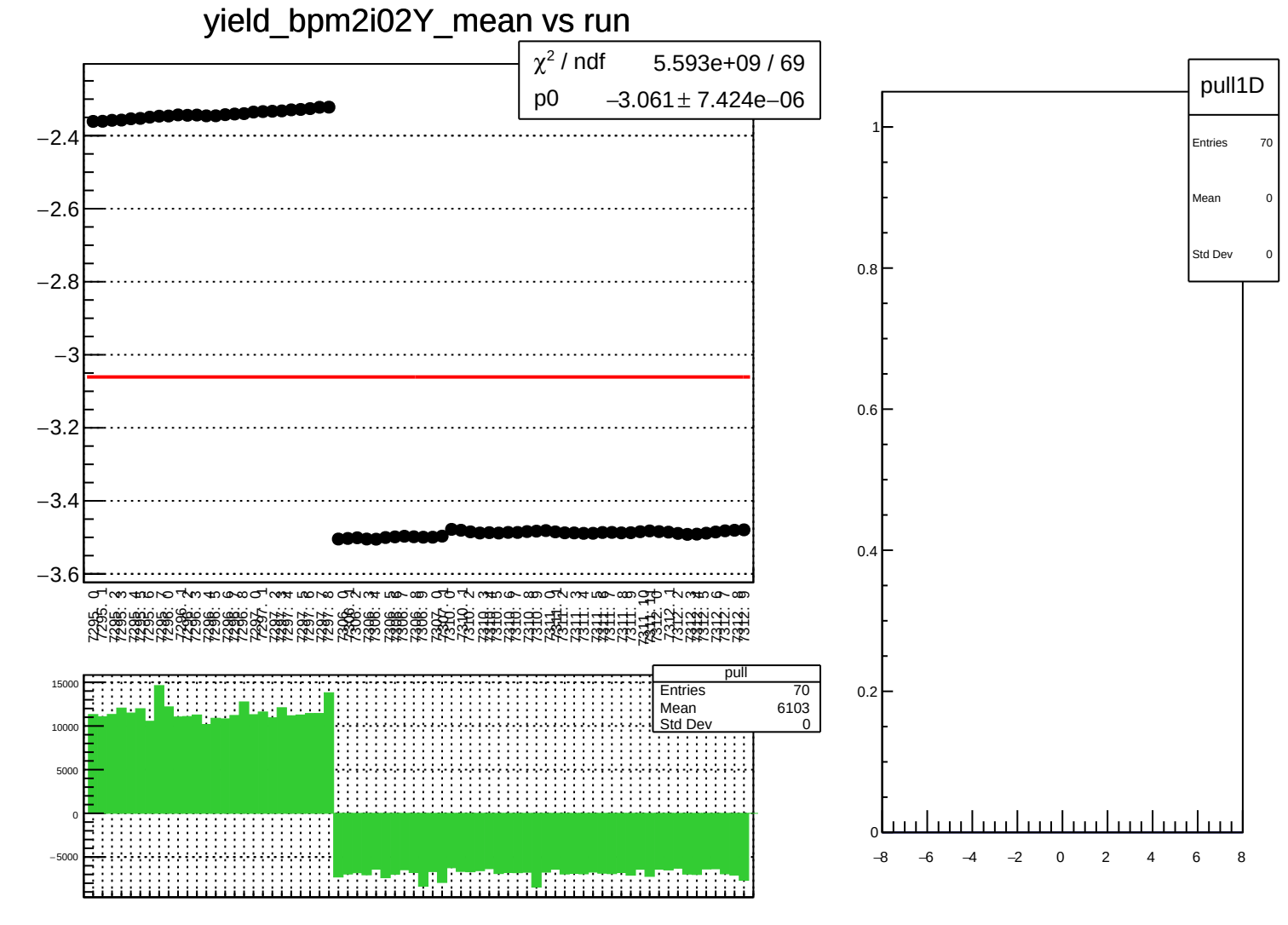

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

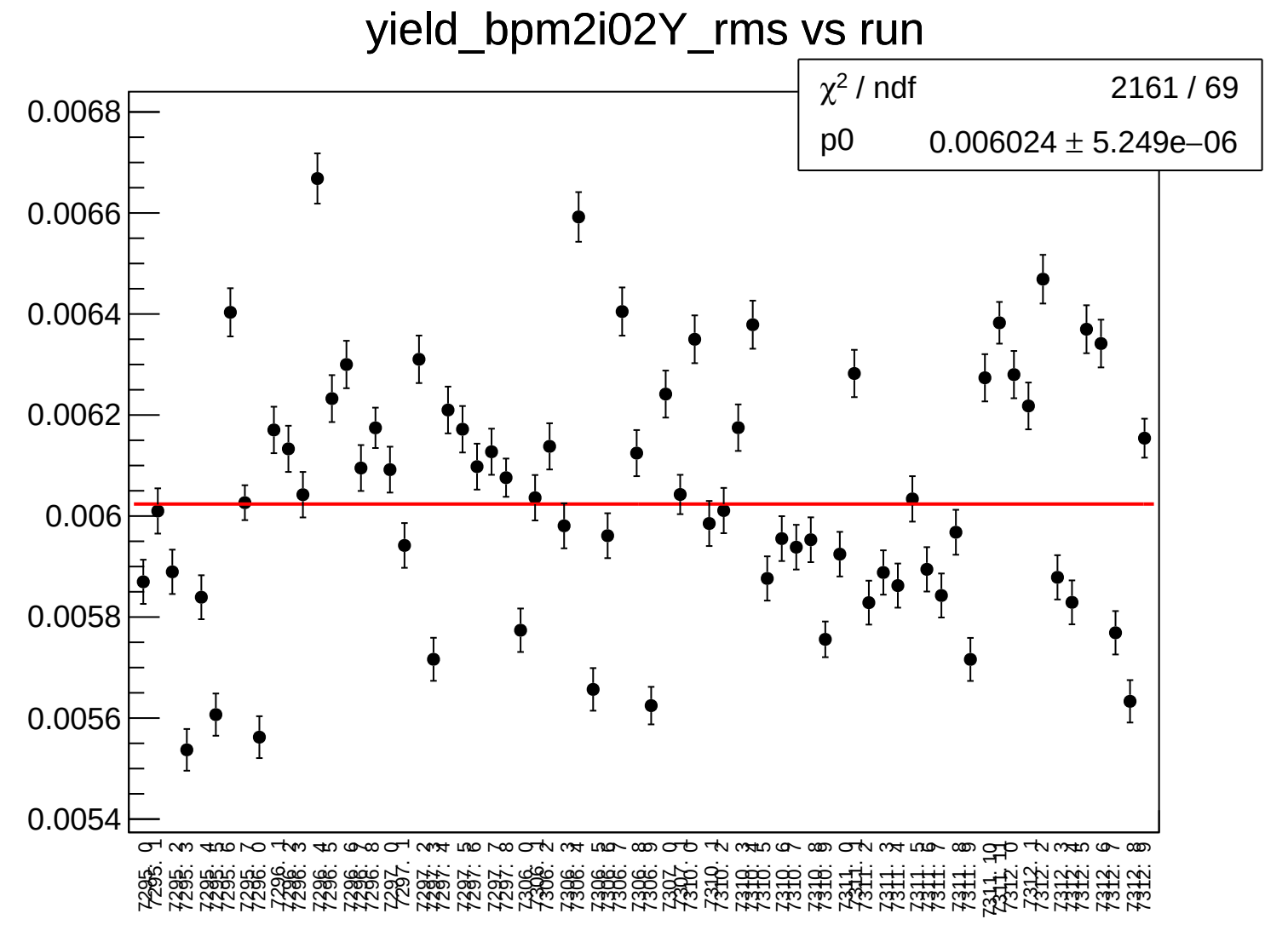

yield_bpm2i01Y_rms vs run
χ² / ndf 2527 / 69
p0 0.001544 ± 1.346e−06
0.0018
0.0017
0.0016
0.0015
0.0014

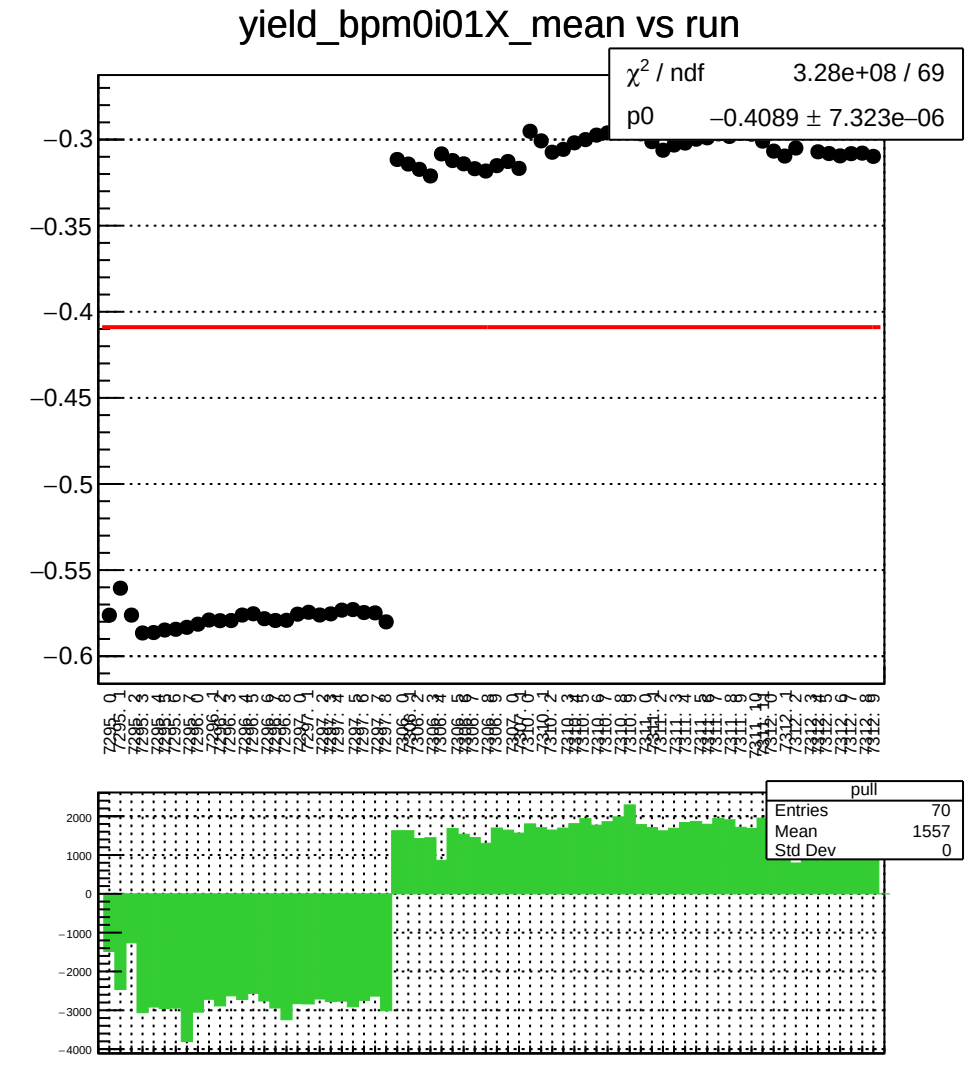

yield_bpm2i02X_mean vs run
χ² / ndf 5.344e+08 / 69
p0 0.6059 ± 7.513e−06
pull
Entries 70
Mean −5273
Std Dev 0

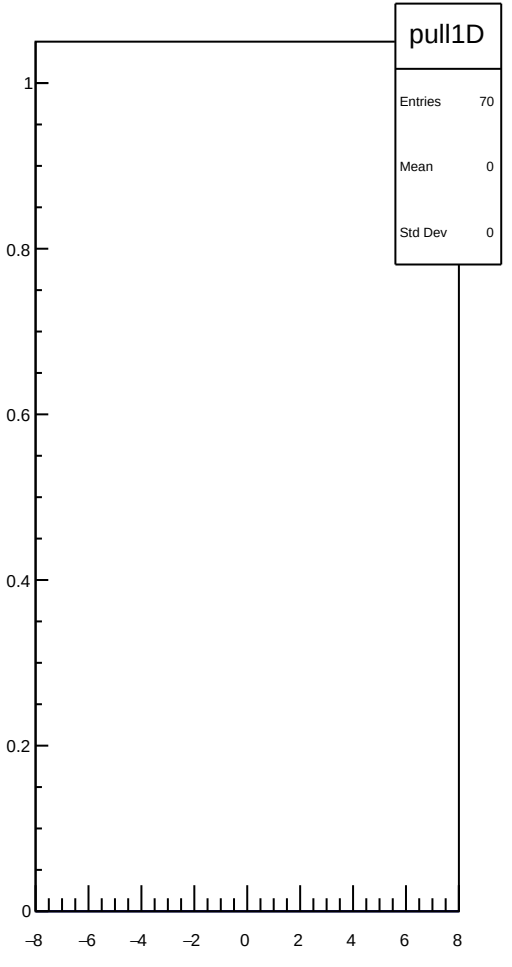

pull1D
Entries 70
Mean 0
Std Dev 0

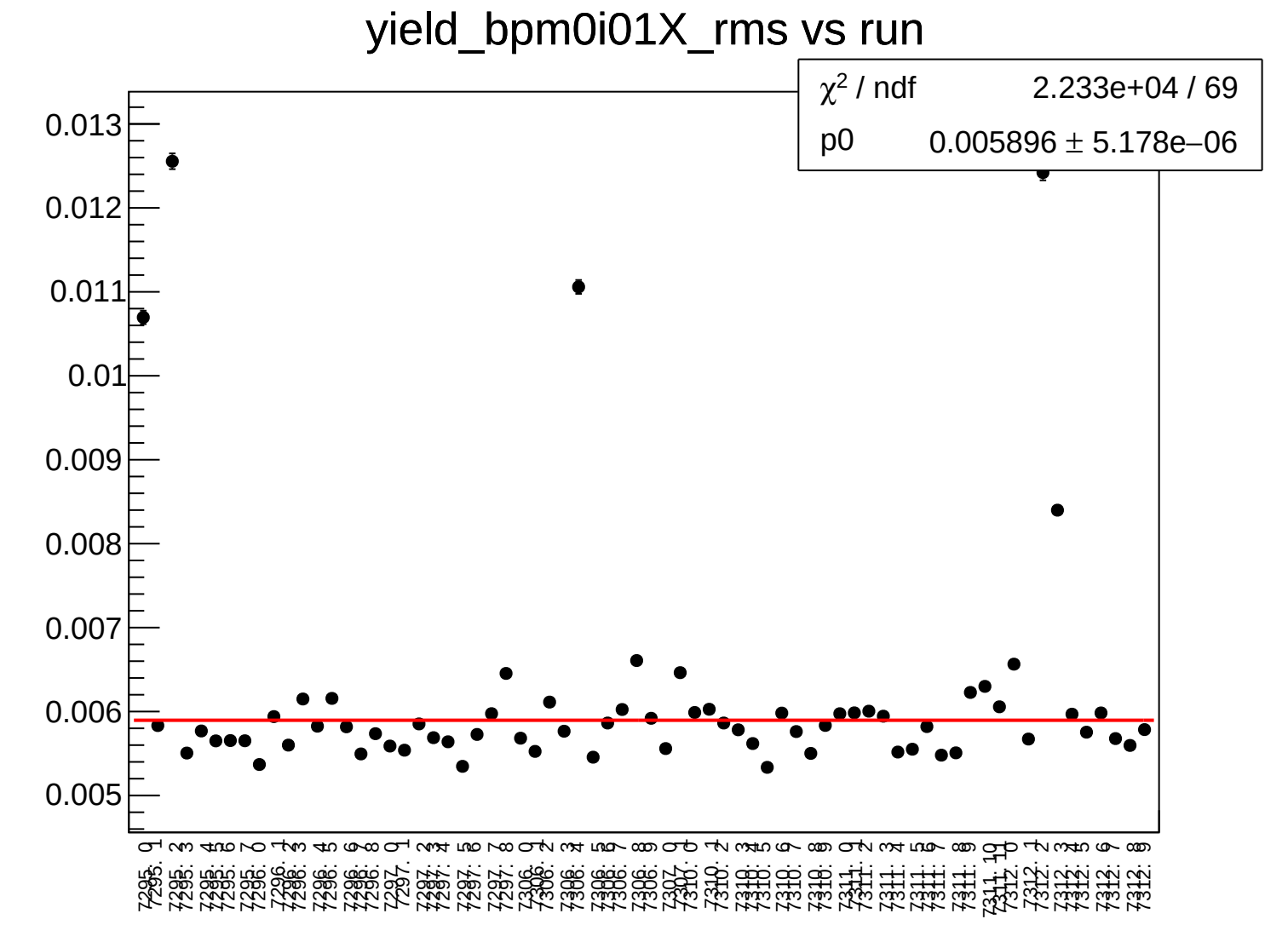

yield_bpm2i02X_rms vs run
χ² / ndf 2448 / 69
p0 0.006096 ± 5.313e−06
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056

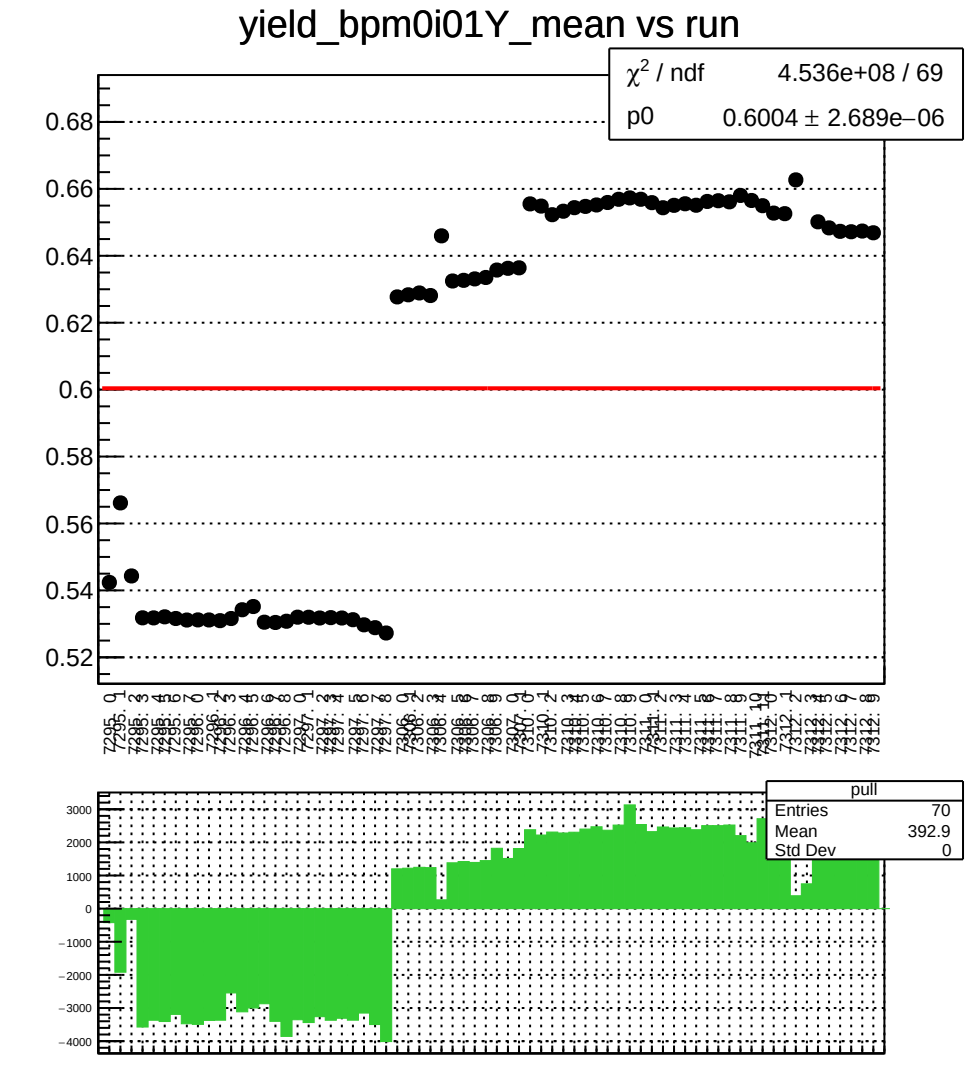

yield_bpm2i02Y_mean vs run
χ² / ndf 5.593e+09 / 69
p0 −3.061 ± 7.424e−06
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
pull
Entries 70
Mean 6103
Std Dev 0
15000
10000
5000
0
−5000
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

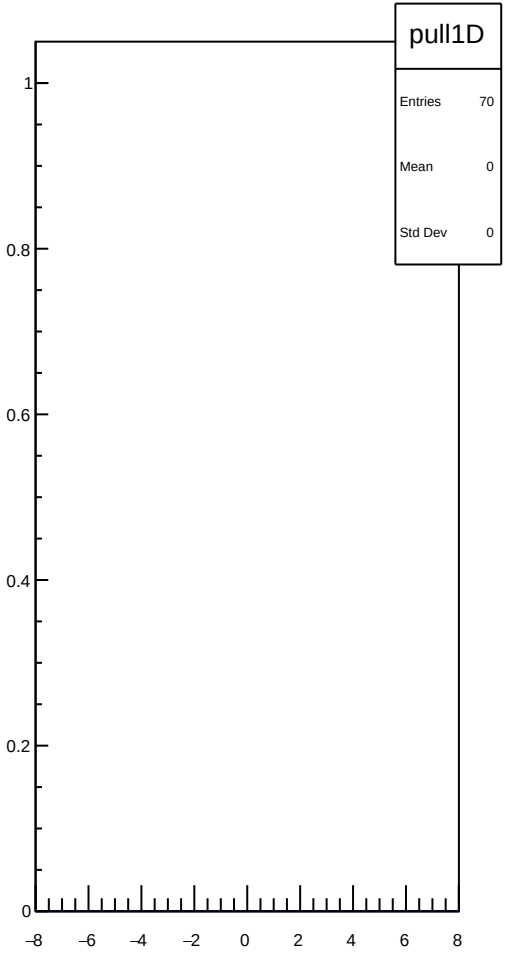

yield_bpm2i02Y_rms vs run
χ² / ndf 2161 / 69
p0 0.006024 ± 5.249e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054

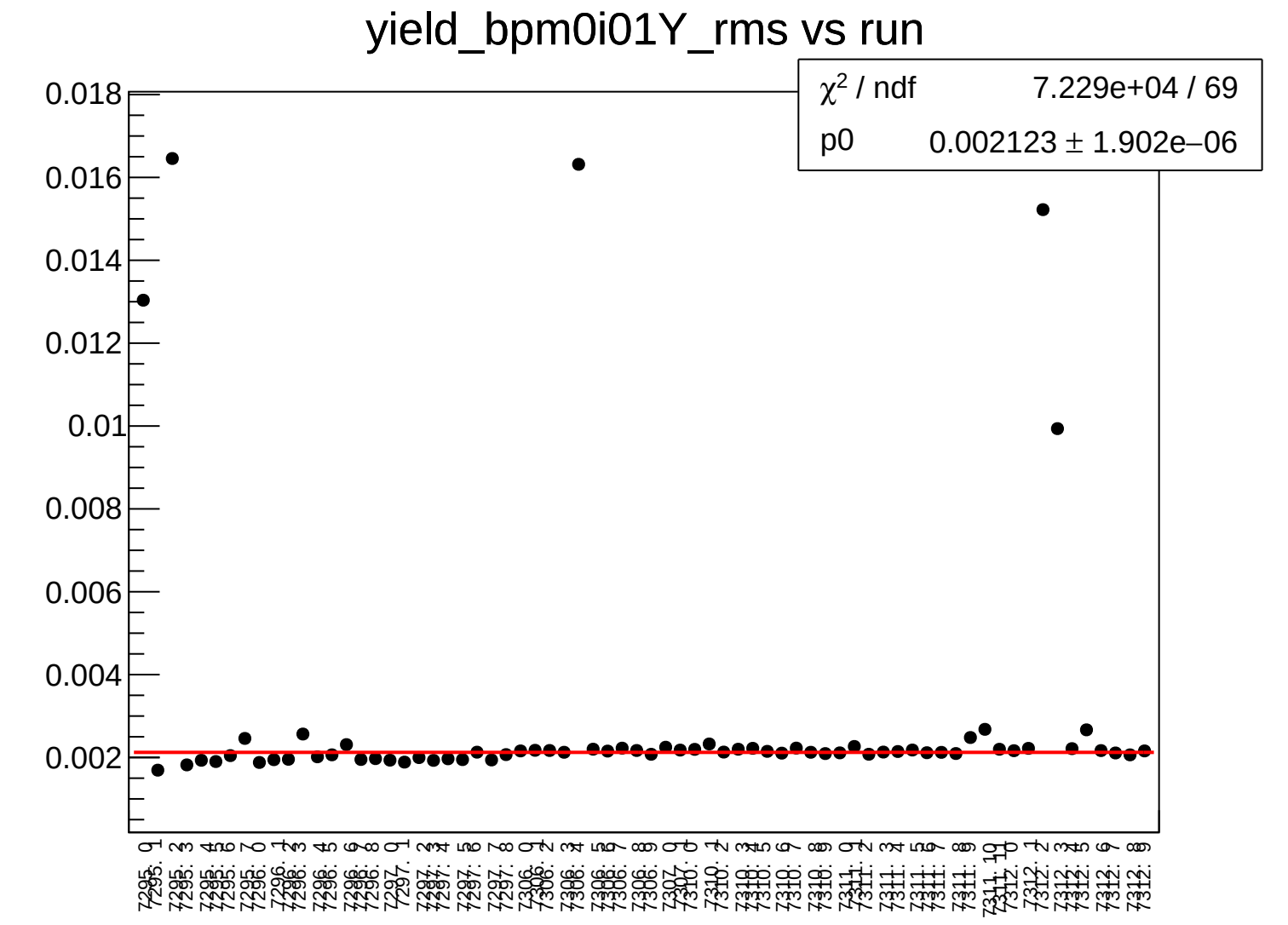

yield_bpm0i01X_mean vs run
χ² / ndf 3.28e+08 / 69
p0 −0.4089 ± 7.323e−06
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
pull
Entries 70
Mean 1557
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000

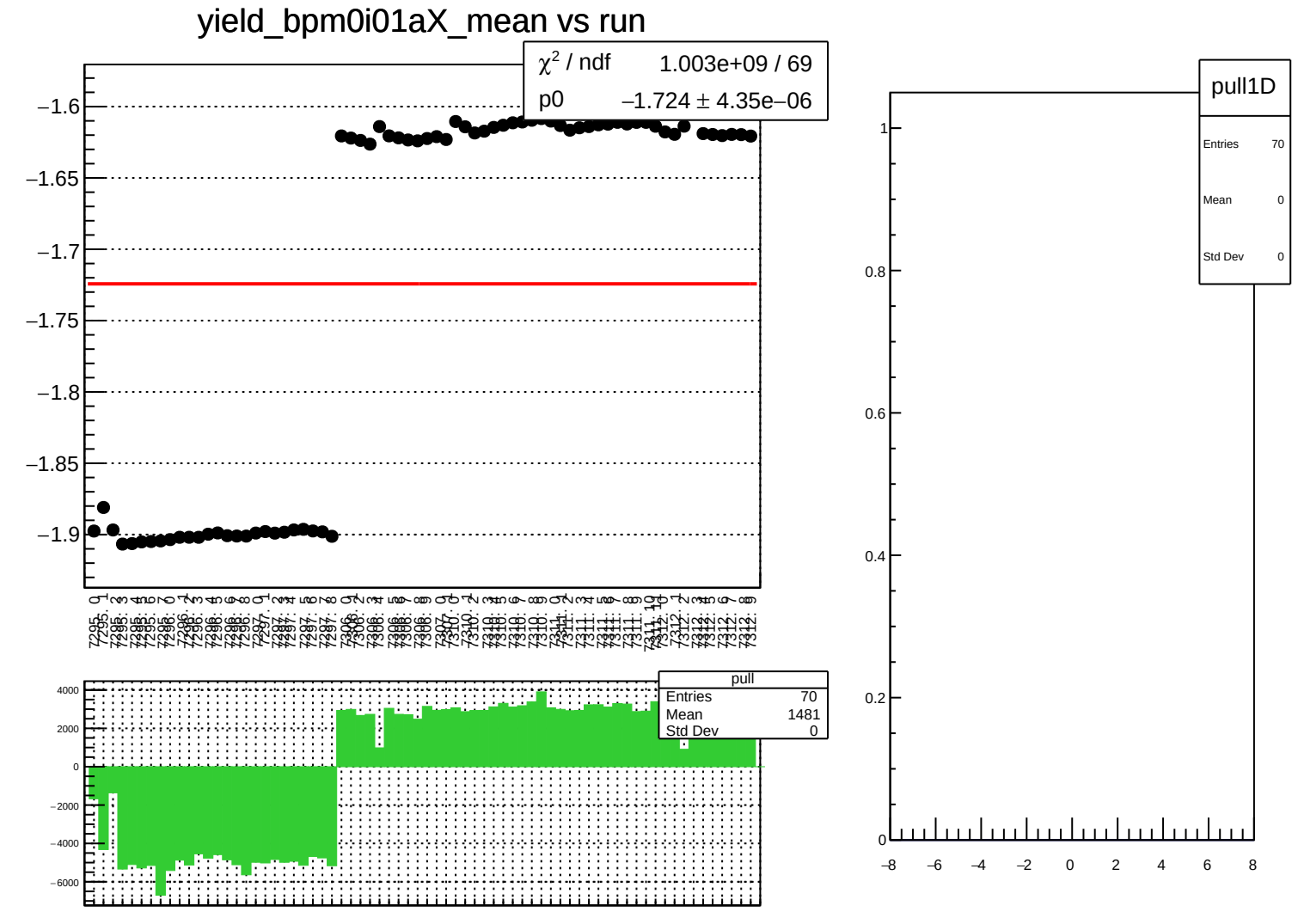

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

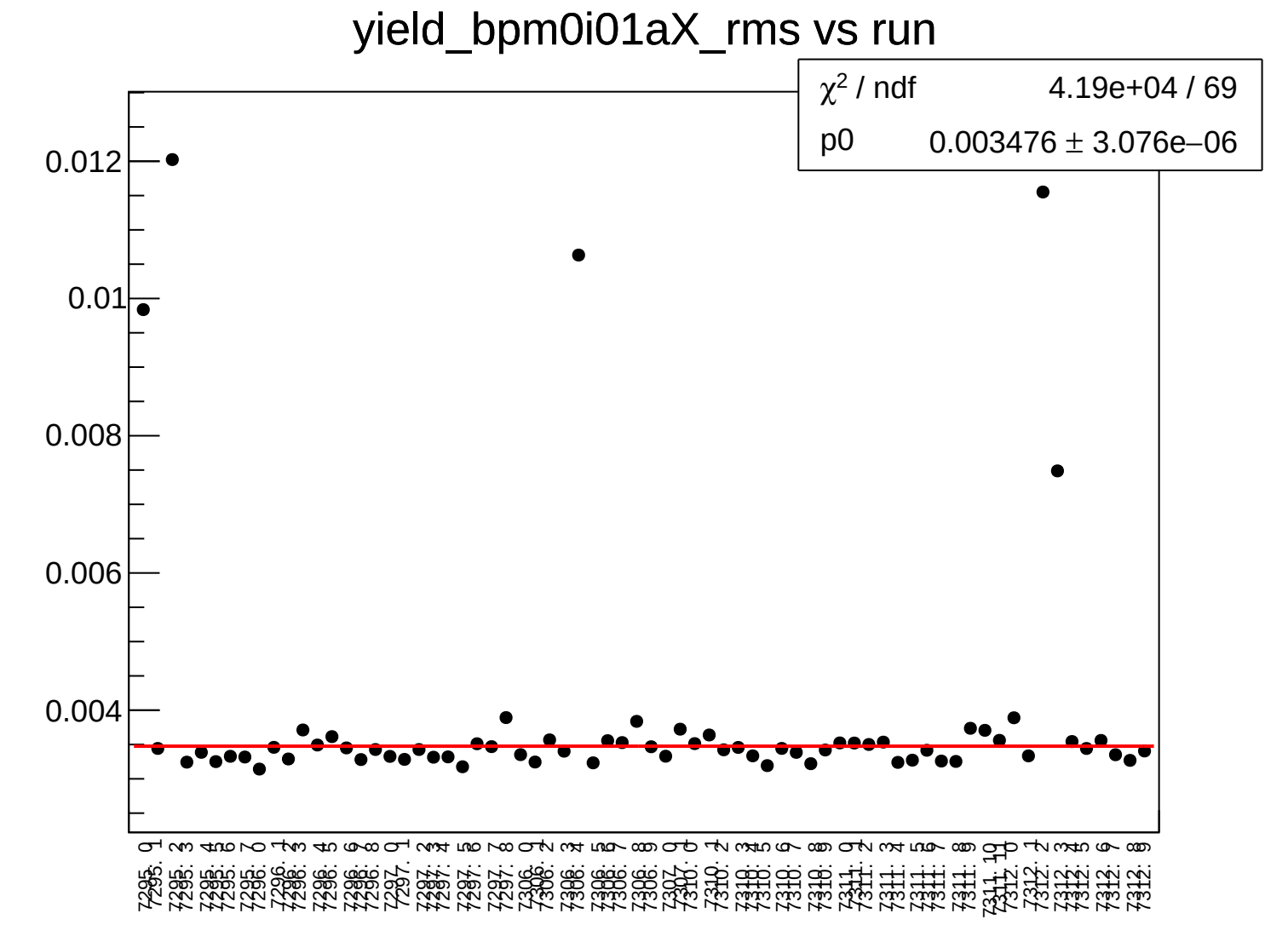

yield_bpm0i01X_rms vs run
χ² / ndf 2.233e+04 / 69
p0 0.005896 ± 5.178e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

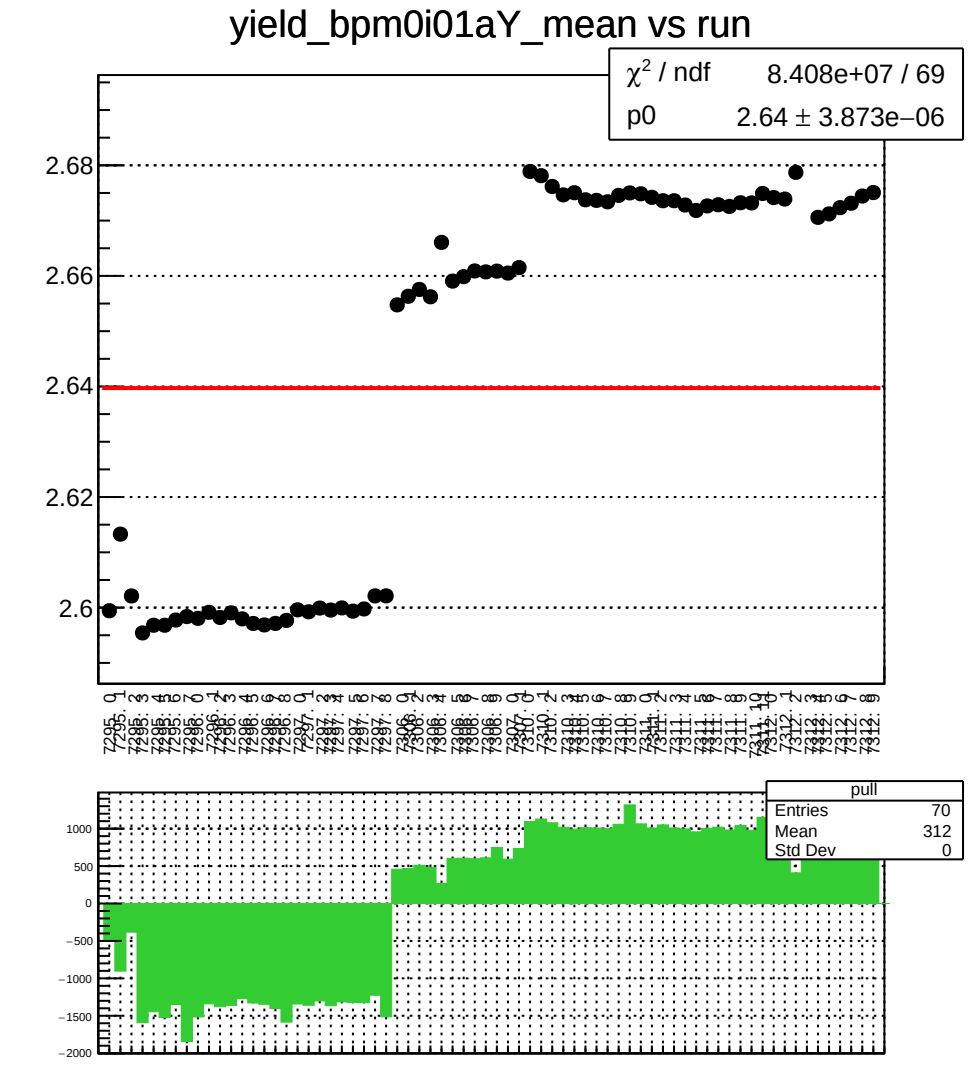

yield_bpm0i01Y_mean vs run
χ² / ndf 4.536e+08 / 69
p0 0.6004 ± 2.689e−06
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 70
Mean 392.9
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
−4000

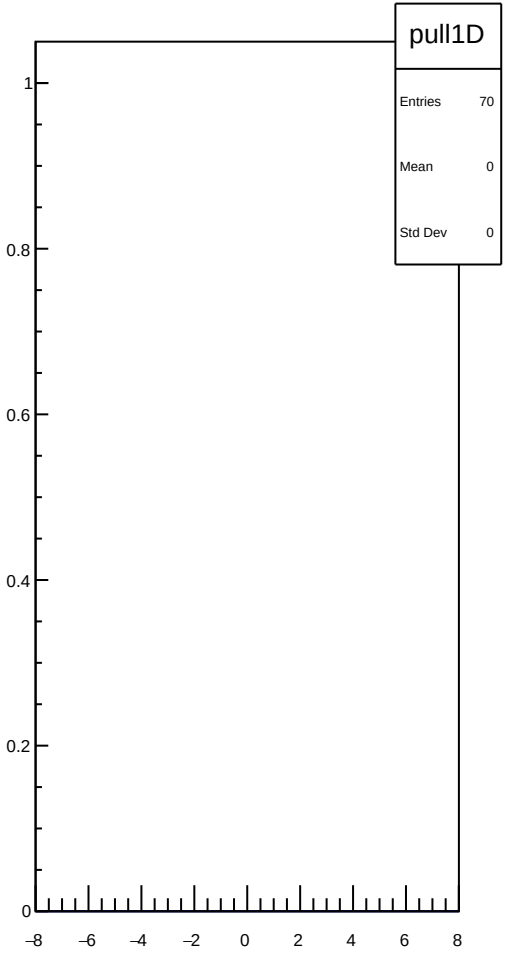

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

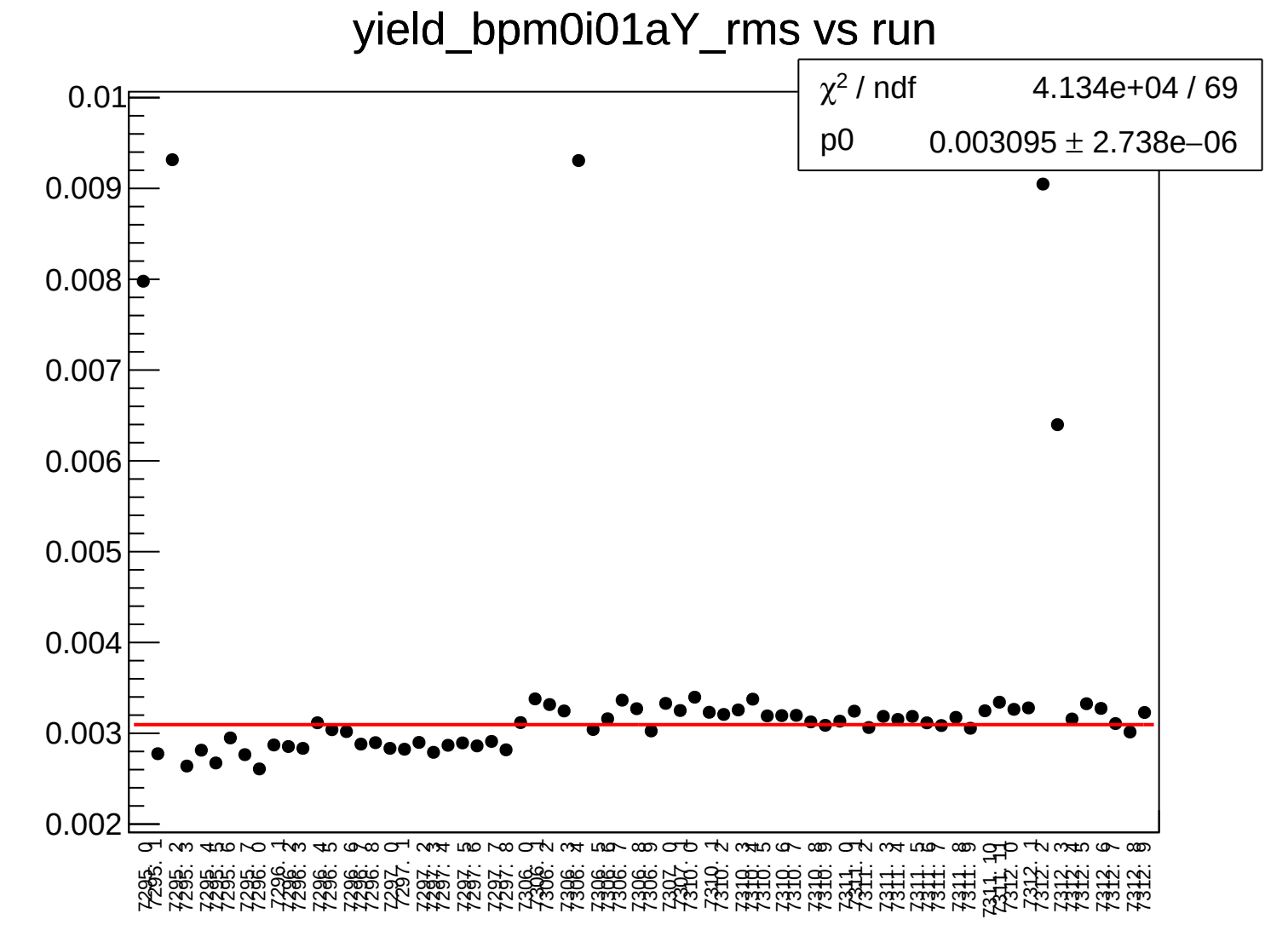

yield_bpm0i01Y_rms vs run
χ² / ndf 7.229e+04 / 69
p0 0.002123 ± 1.902e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

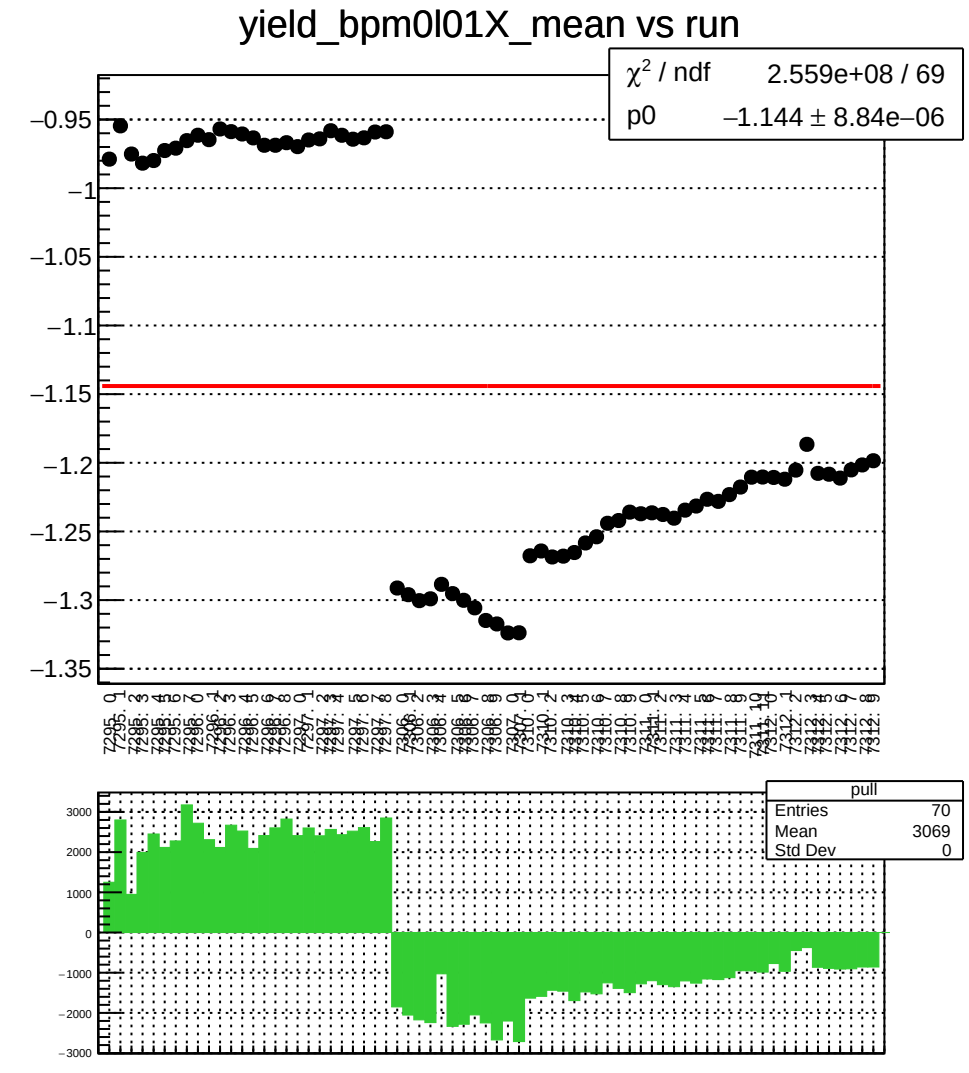

yield_bpm0i01aX_mean vs run
χ² / ndf 1.003e+09 / 69
p0 −1.724 ± 4.35e−06
−1.6
−1.65
−1.7
−1.75
−1.8
−1.85
−1.9
pull
Entries 70
Mean 1481
Std Dev 0
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

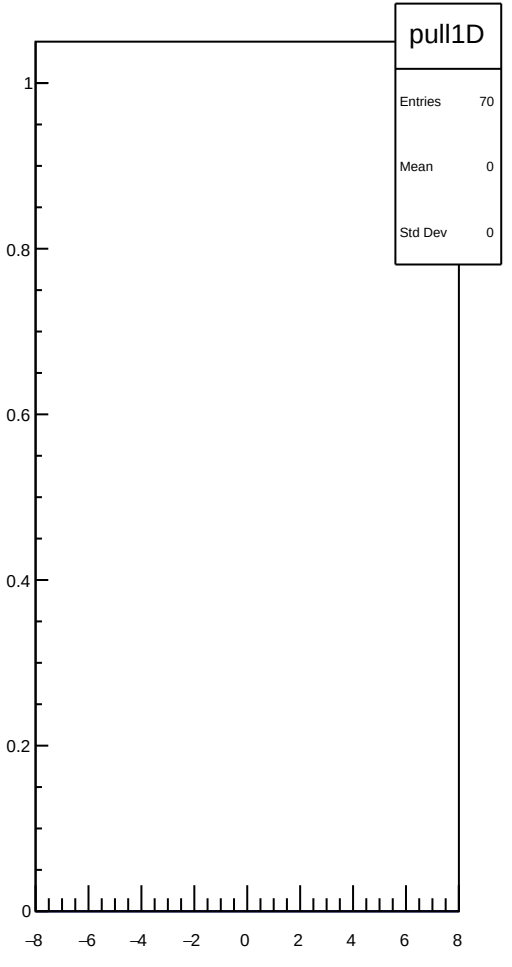

yield_bpm0i01aX_rms vs run
χ² / ndf 4.19e+04 / 69
p0 0.003476 ± 3.076e−06
0.012
0.01
0.008
0.006
0.004

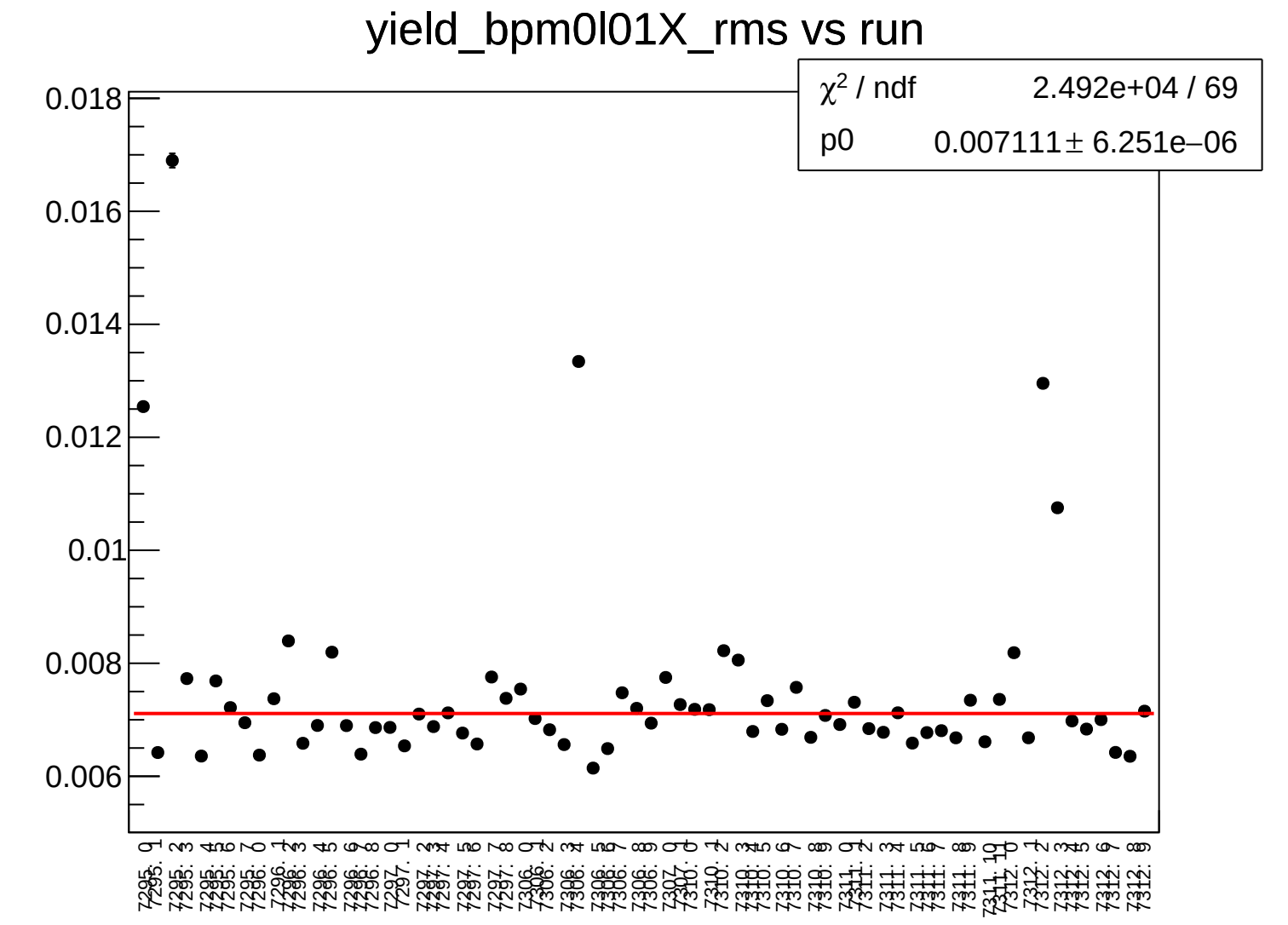

yield_bpm0i01aY_mean vs run
χ² / ndf 8.408e+07 / 69
p0 2.64 ± 3.873e−06
2.68
2.66
2.64
2.62
2.6
pull
Entries 70
Mean 312
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

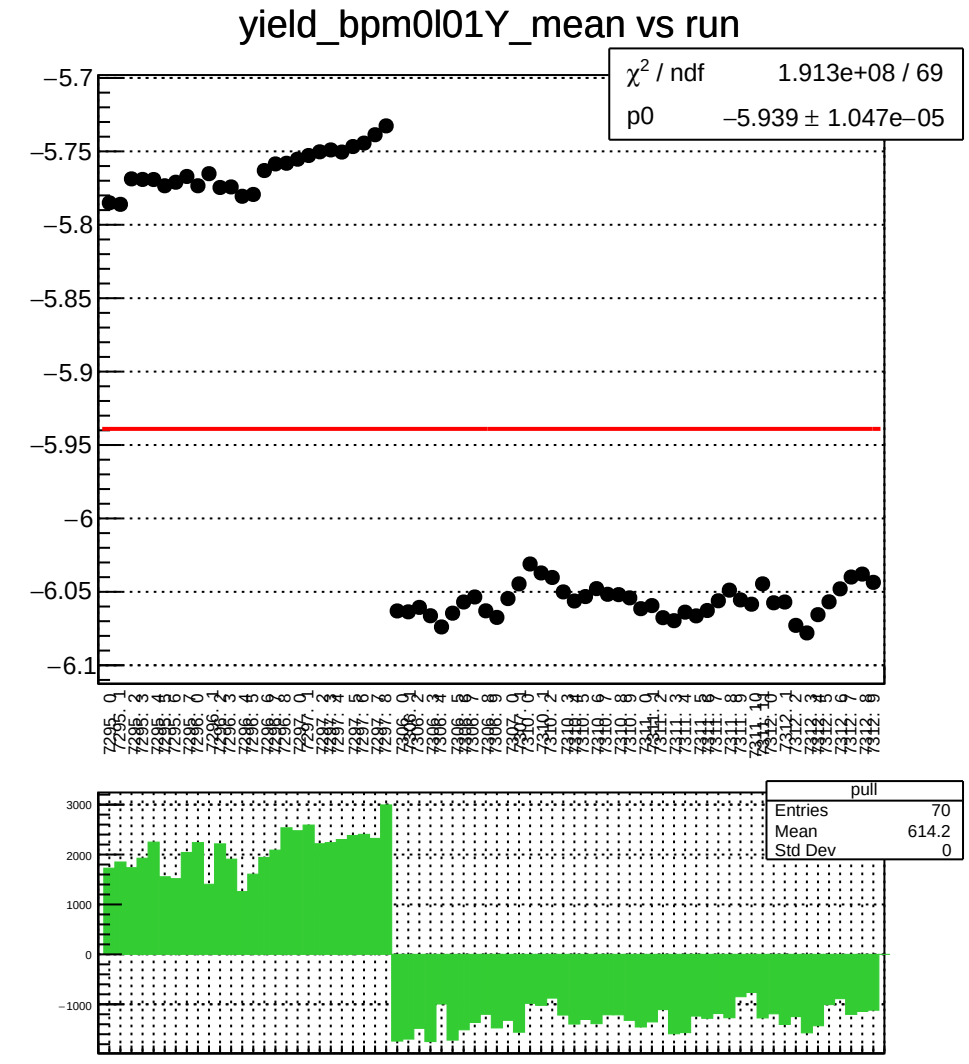

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

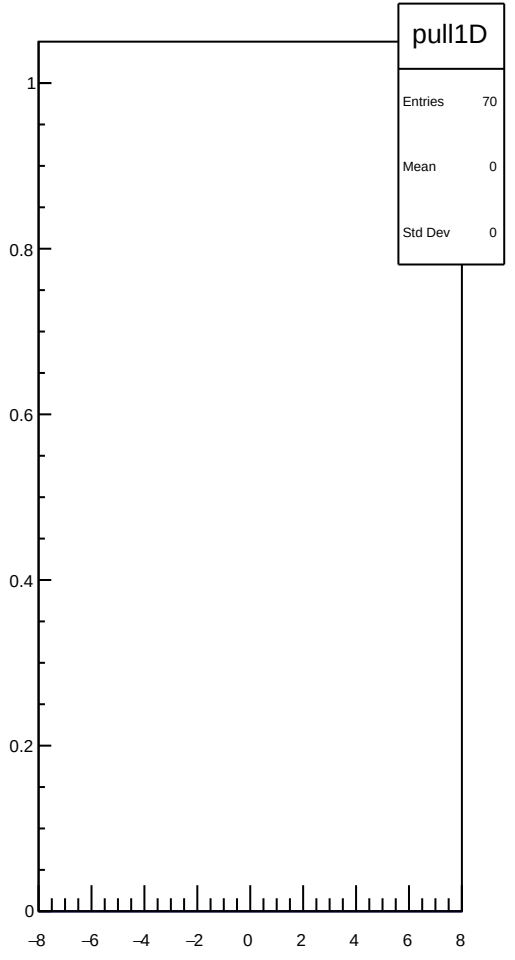

yield_bpm0i01aY_rms vs run
χ² / ndf 4.134e+04 / 69
p0 0.003095 ± 2.738e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

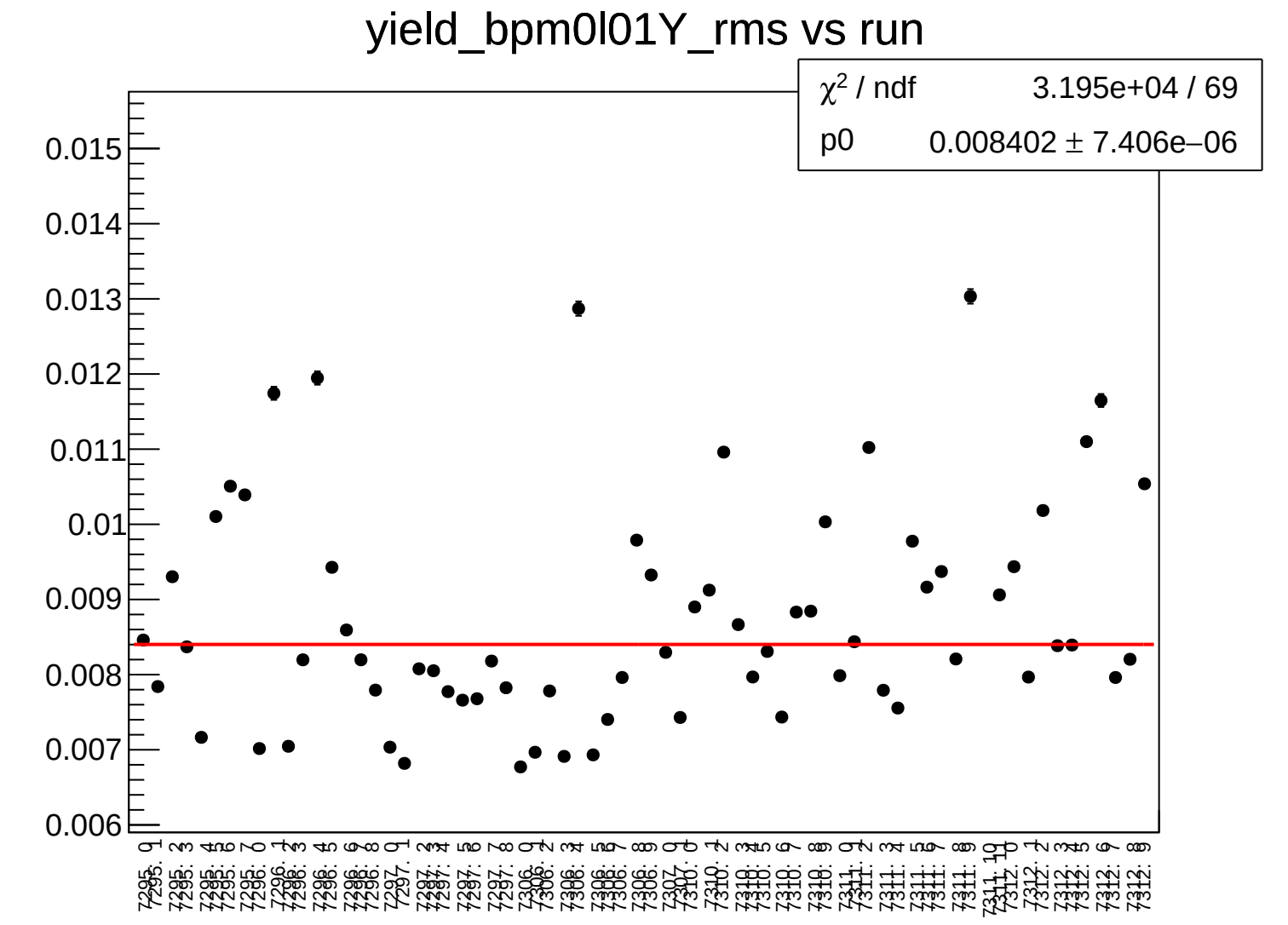

yield_bpm0l01X_mean vs run
χ² / ndf 2.559e+08 / 69
p0 −1.144 ± 8.84e−06
−0.95
−1
−1.05
−1.1
−1.15
−1.2
−1.25
−1.3
−1.35
pull
Entries 70
Mean 3069
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000

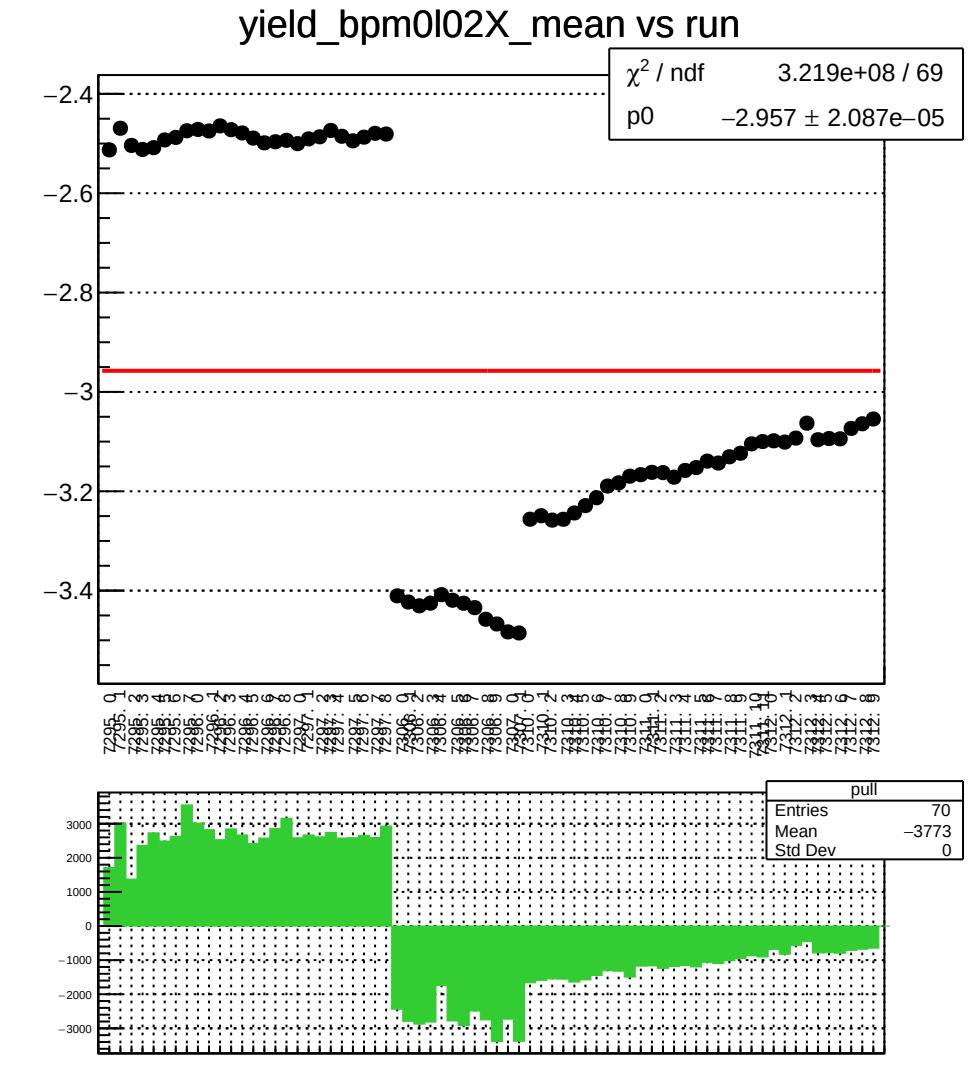

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

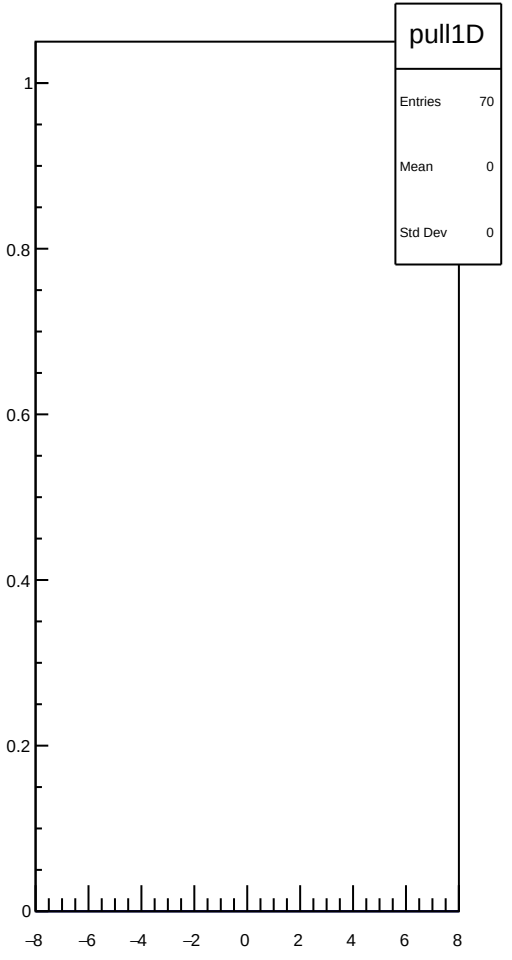

yield_bpm0l01X_rms vs run
χ² / ndf 2.492e+04 / 69
p0 0.007111 ± 6.251e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

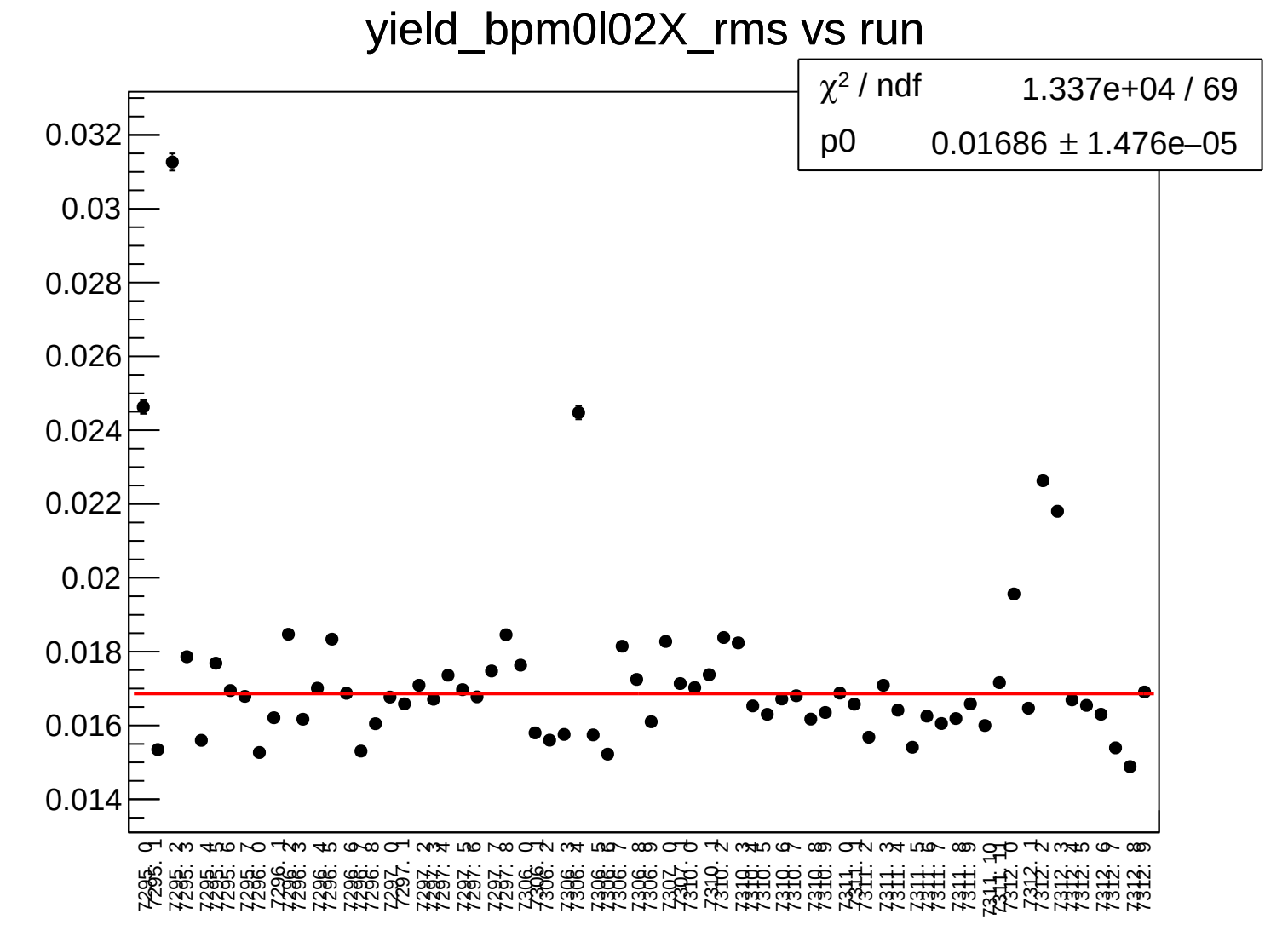

yield_bpm0l01Y_mean vs run
χ² / ndf 1.913e+08 / 69
p0 −5.939 ± 1.047e−05
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
−6
−6.05
−6.1
pull
Entries 70
Mean 614.2
Std Dev 0
3000
2000
1000
0
−1000

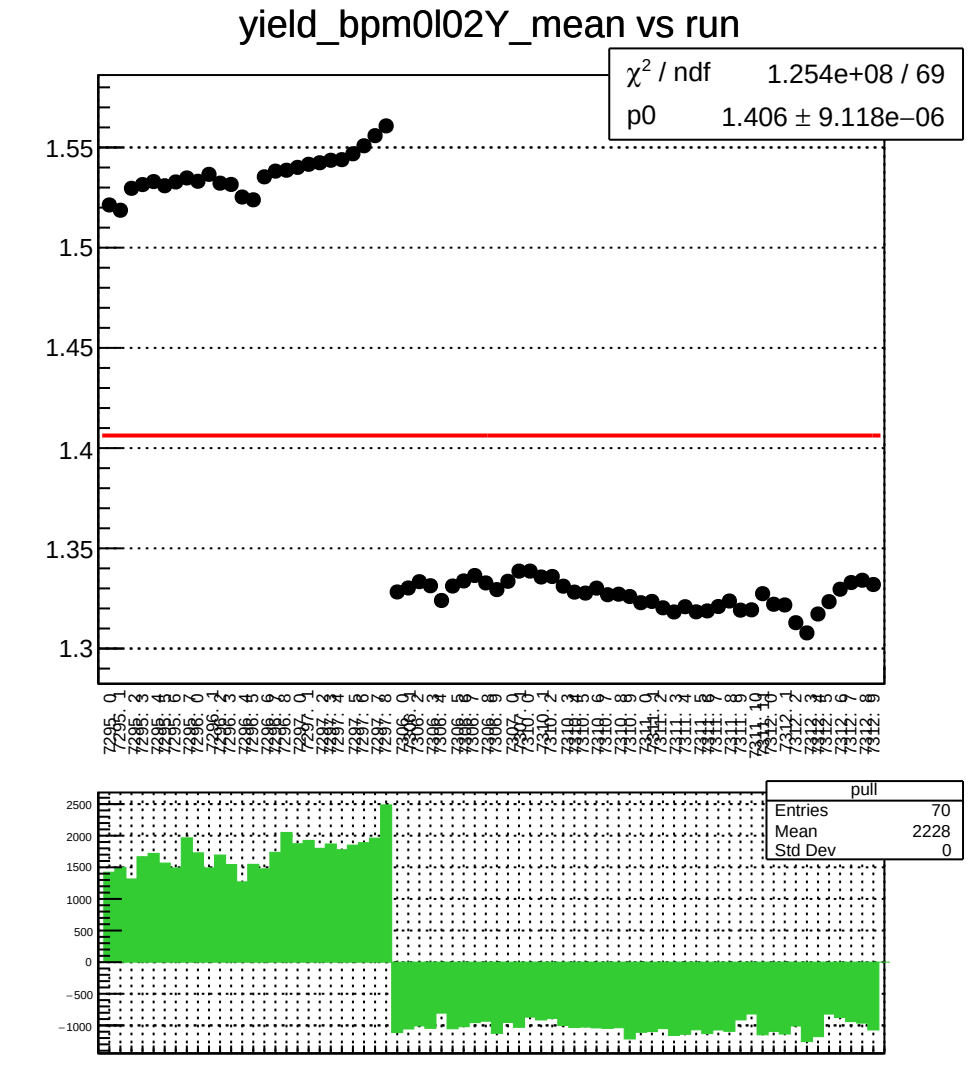

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

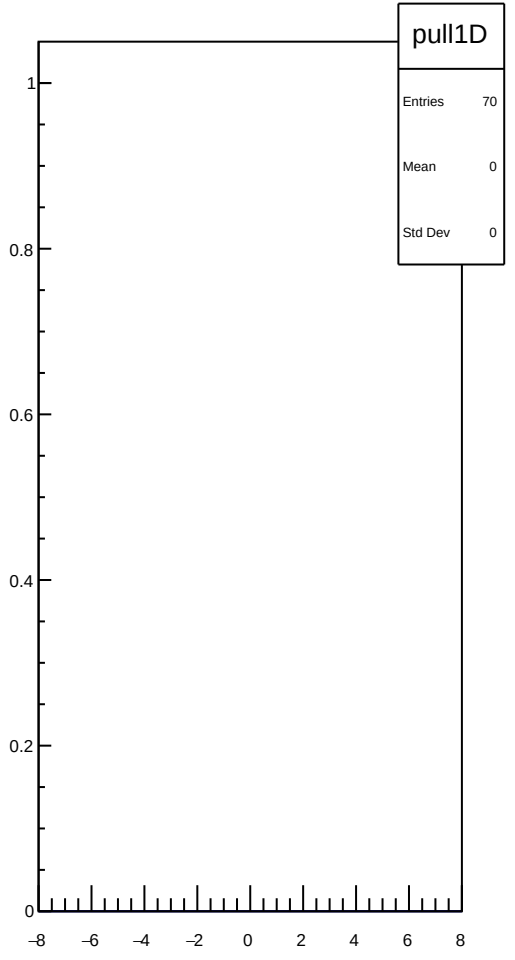

yield_bpm0l01Y_rms vs run
χ^2 / ndf 3.195e+04 / 69
p0 0.008402 ± 7.406e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

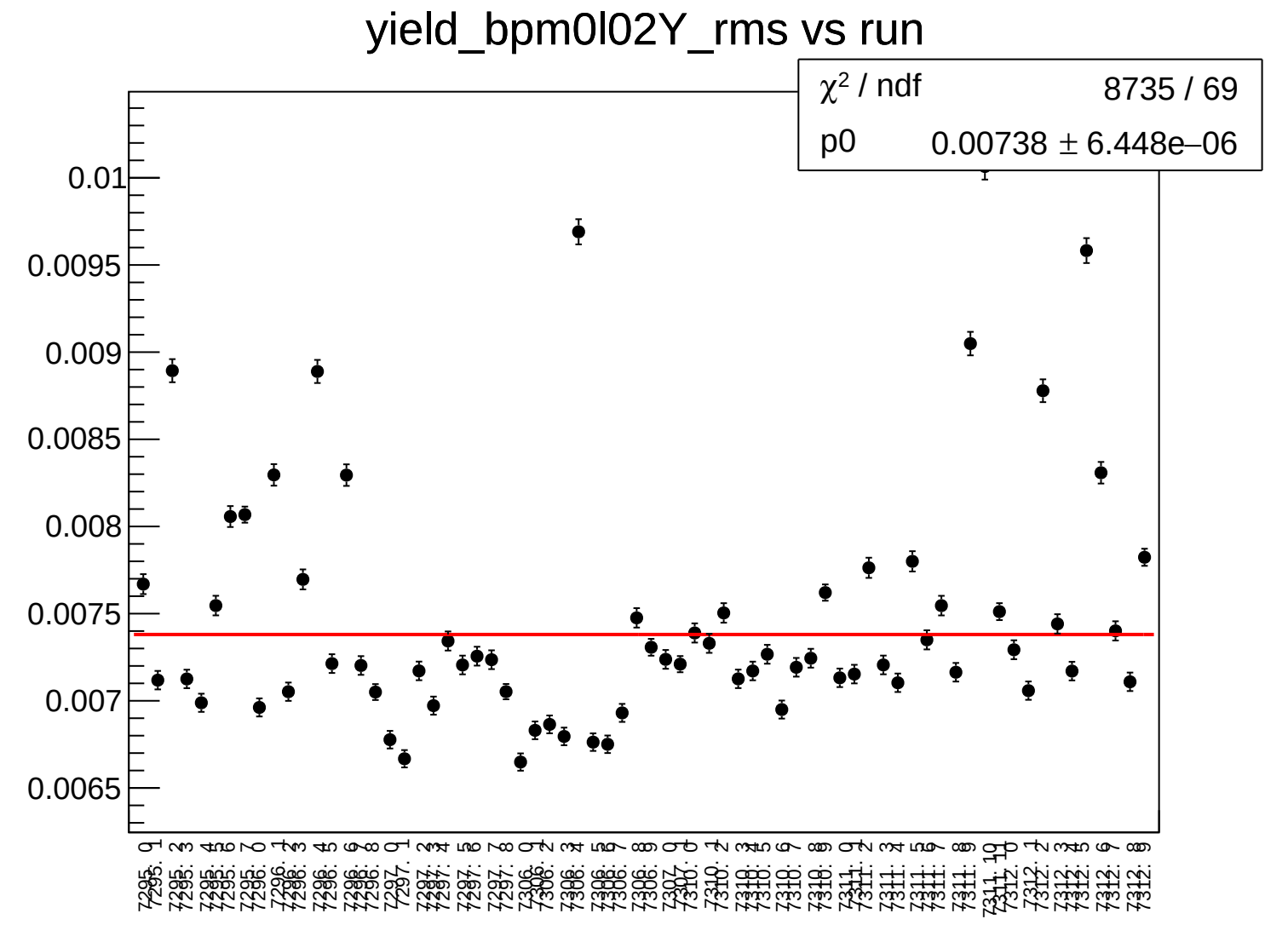

yield_bpm0l02X_mean vs run
χ² / ndf 3.219e+08 / 69
p0 −2.957 ± 2.087e−05
−2.4
−2.6
−2.8
−3
−3.2
−3.4
pull
Entries 70
Mean −3773
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000

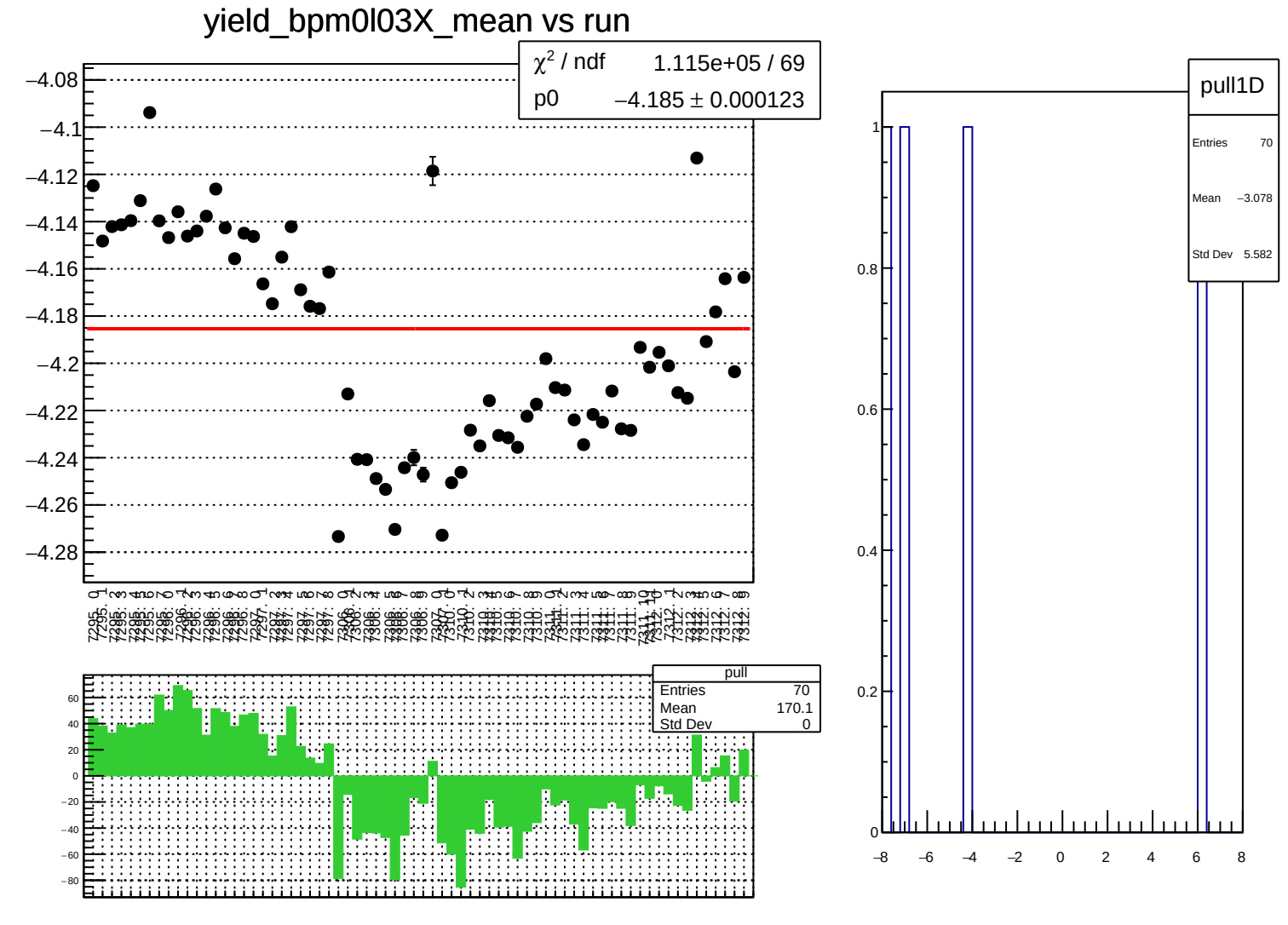

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

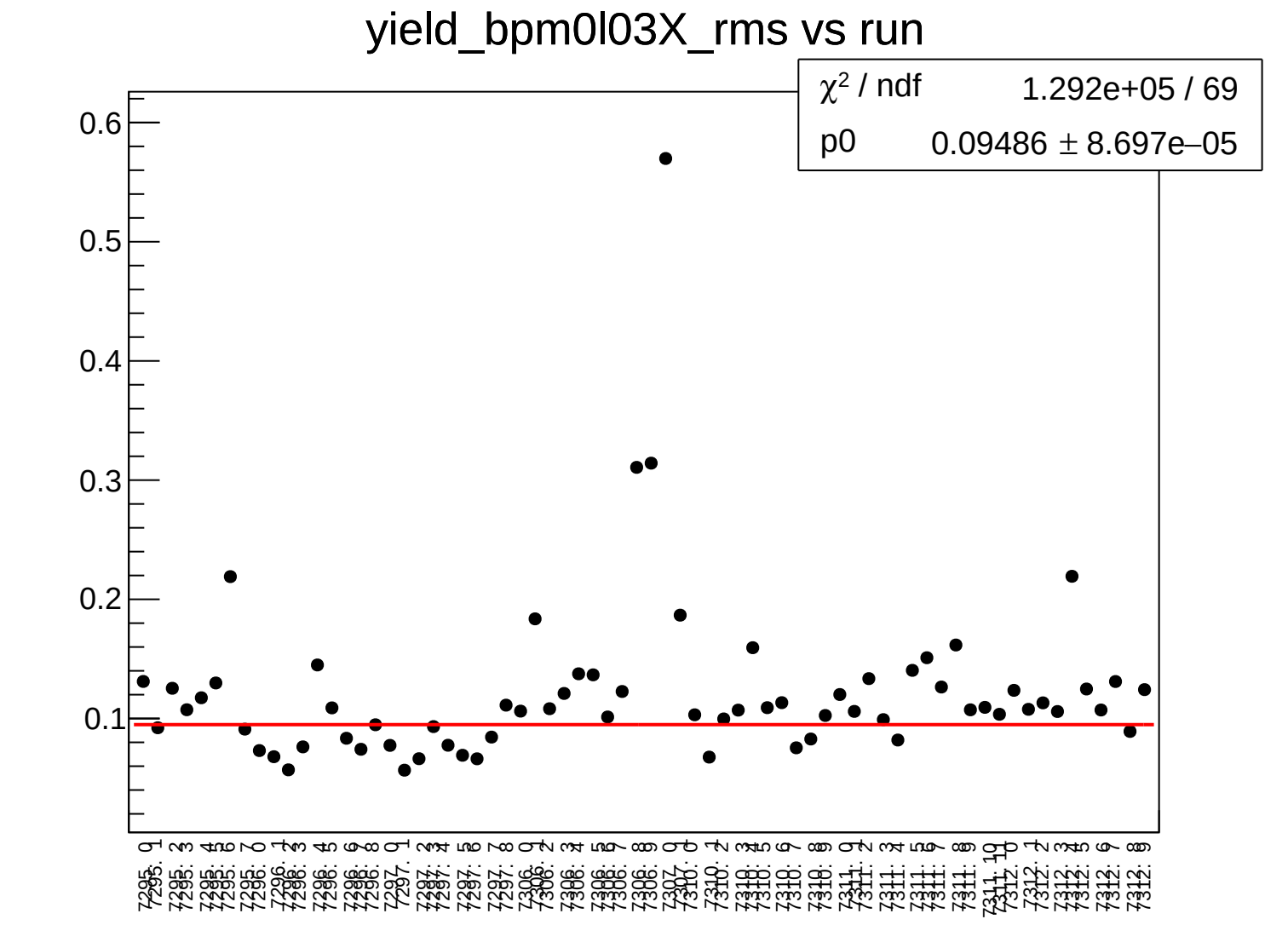

yield_bpm0l02X_rms vs run
χ² / ndf 1.337e+04 / 69
p0 0.01686 ± 1.476e–05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

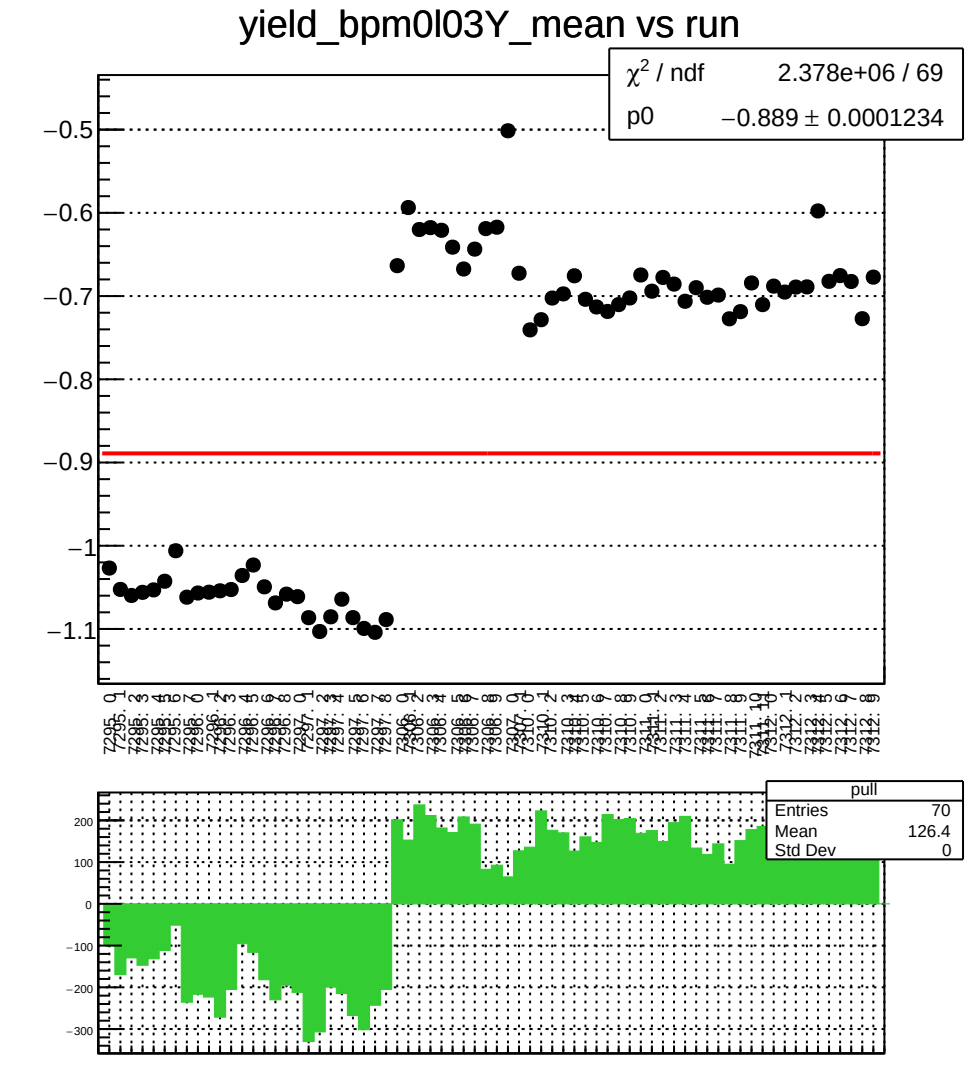

yield_bpm0l02Y_mean vs run
χ² / ndf 1.254e+08 / 69
p0 1.406 ± 9.118e−06
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 70
Mean 2228
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000

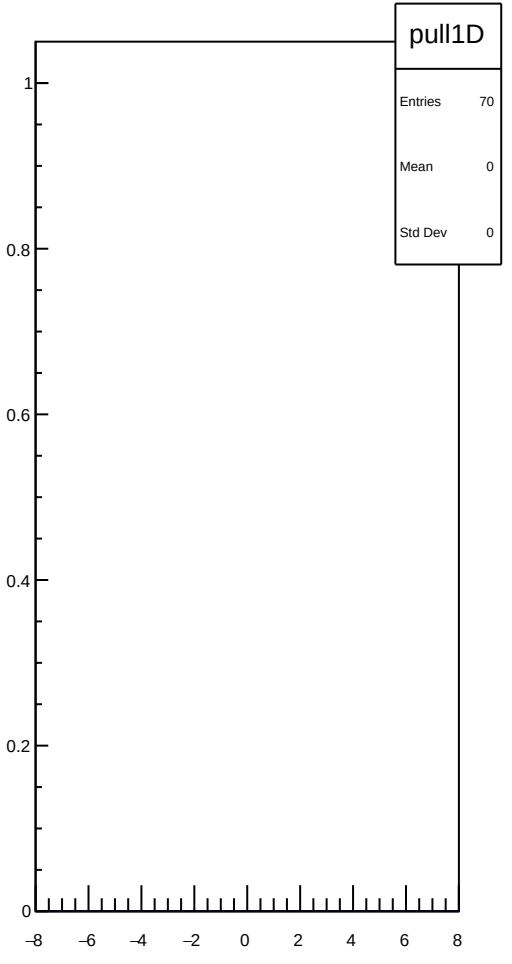

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

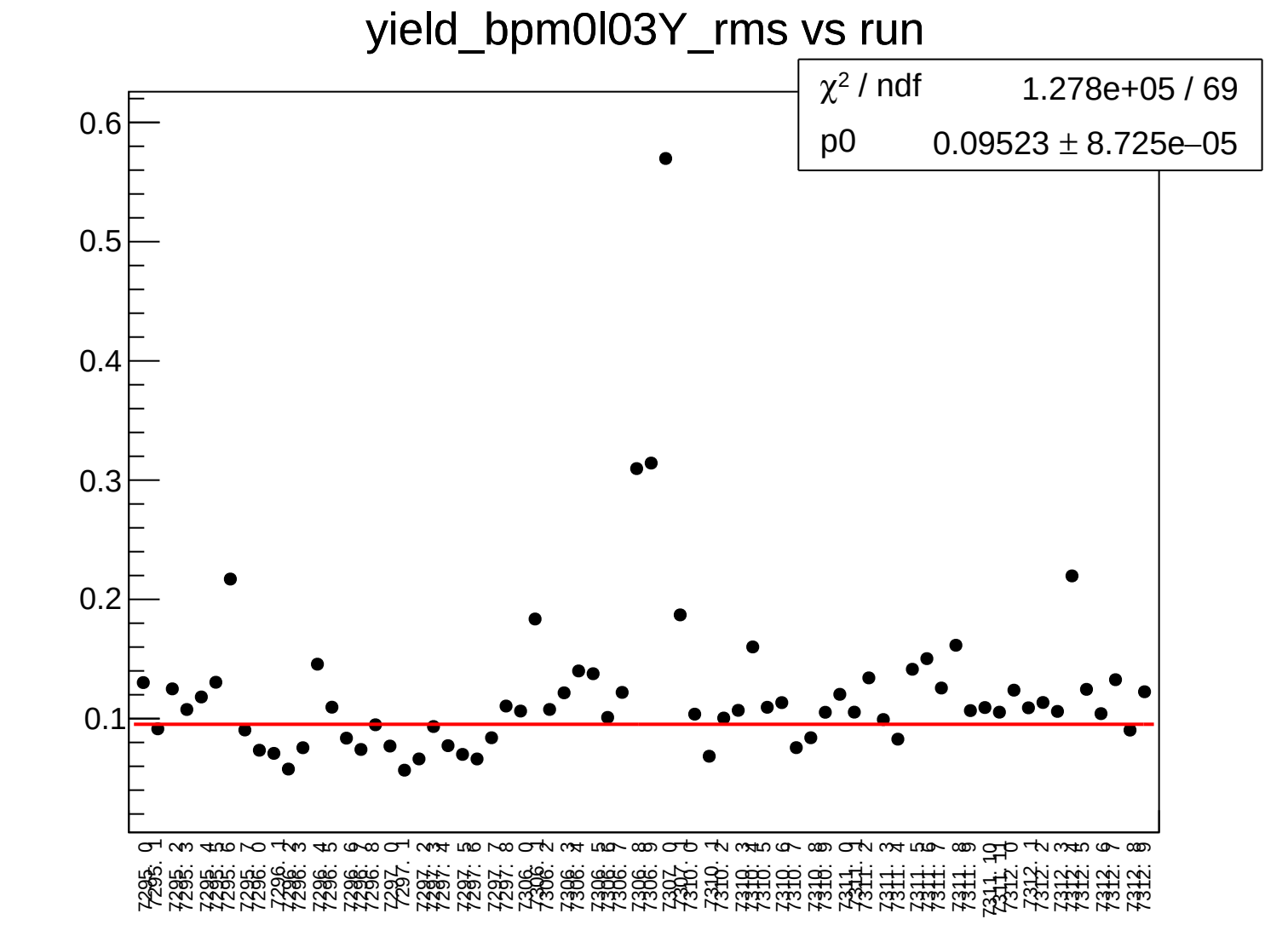

yield_bpm0l02Y_rms vs run
χ² / ndf 8735 / 69
p0 0.00738 ± 6.448e–06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065

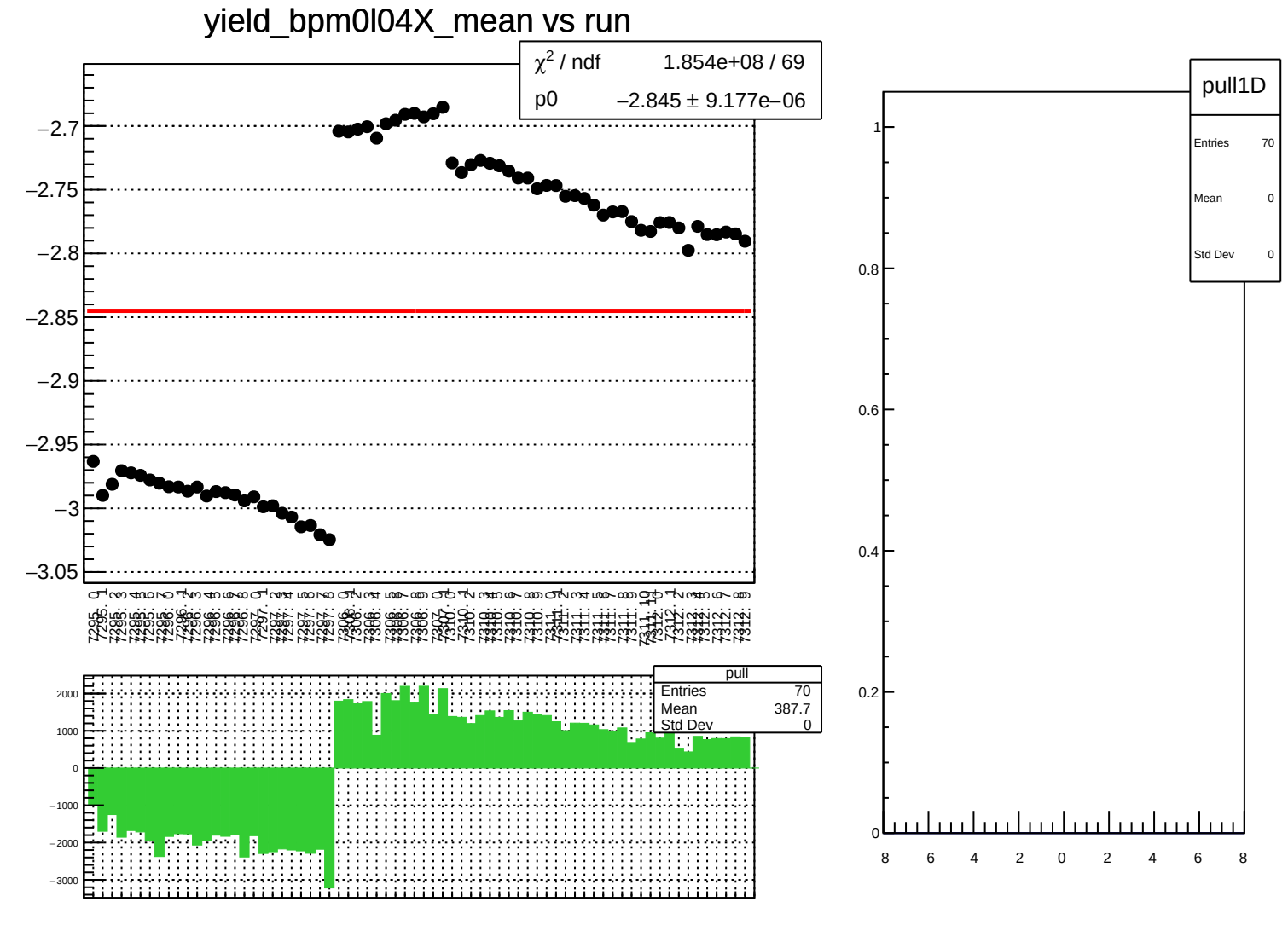

yield_bpm0l03X_mean vs run
χ² / ndf 1.115e+05 / 69
p0 −4.185 ± 0.000123
−4.08
−4.1
−4.12
−4.14
−4.16
−4.18
−4.2
−4.22
−4.24
−4.26
−4.28
pull
Entries 70
Mean 170.1
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 70
Mean −3.078
Std Dev 5.582
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

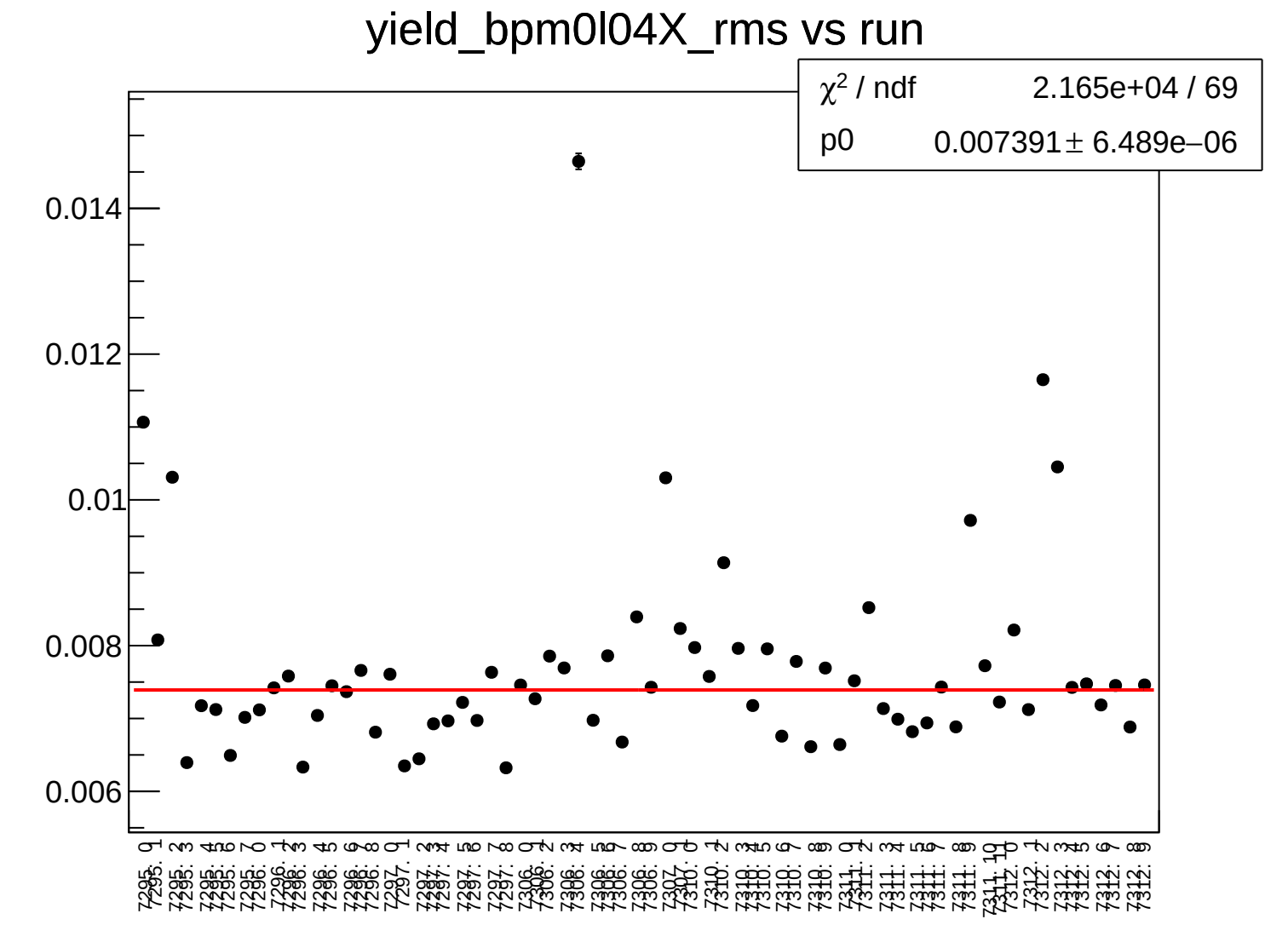

yield_bpm0l03X_rms vs run
χ² / ndf 1.292e+05 / 69
p0 0.09486 ± 8.697e–05
0.6
0.5
0.4
0.3
0.2
0.1

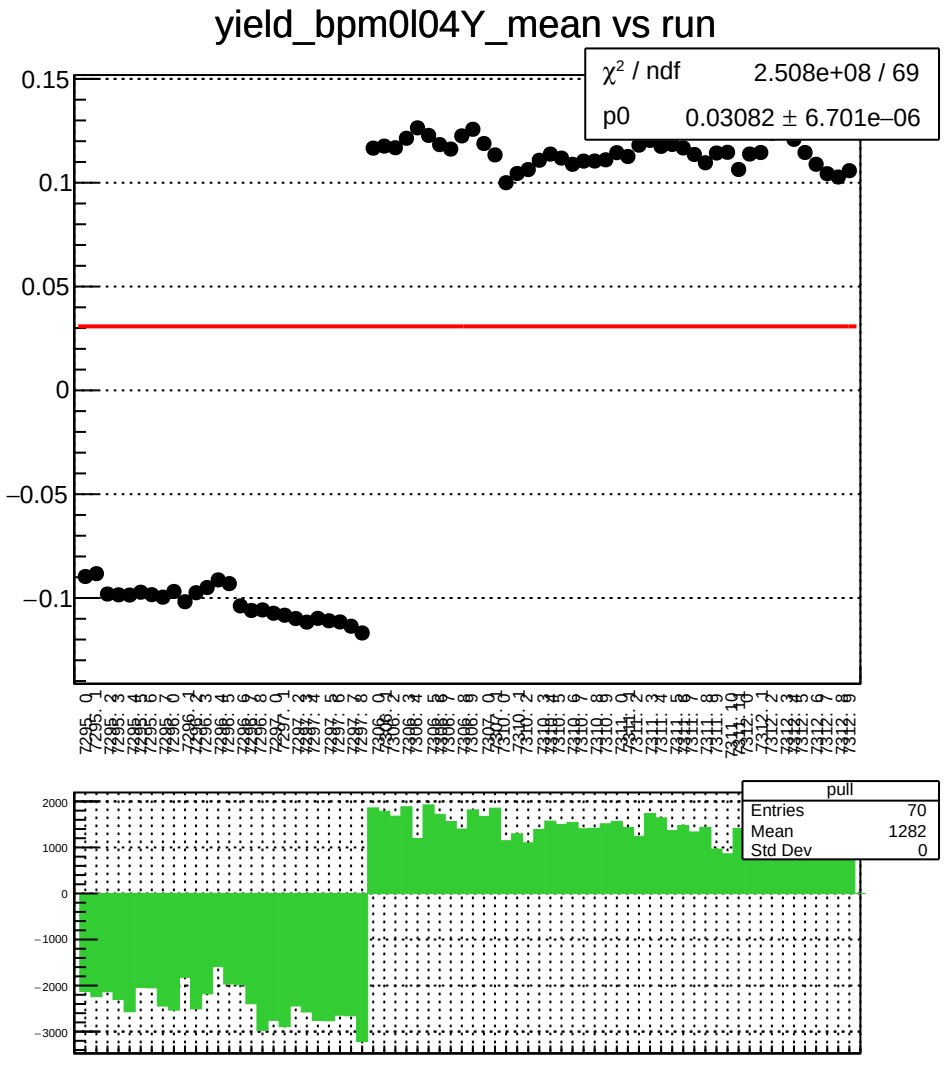

yield_bpm0l03Y_mean vs run
χ² / ndf 2.378e+06 / 69
p0 −0.889 ± 0.0001234
−0.5
−0.6
−0.7
−0.8
−0.9
−1
−1.1
pull
Entries 70
Mean 126.4
Std Dev 0
200
100
0
−100
−200
−300

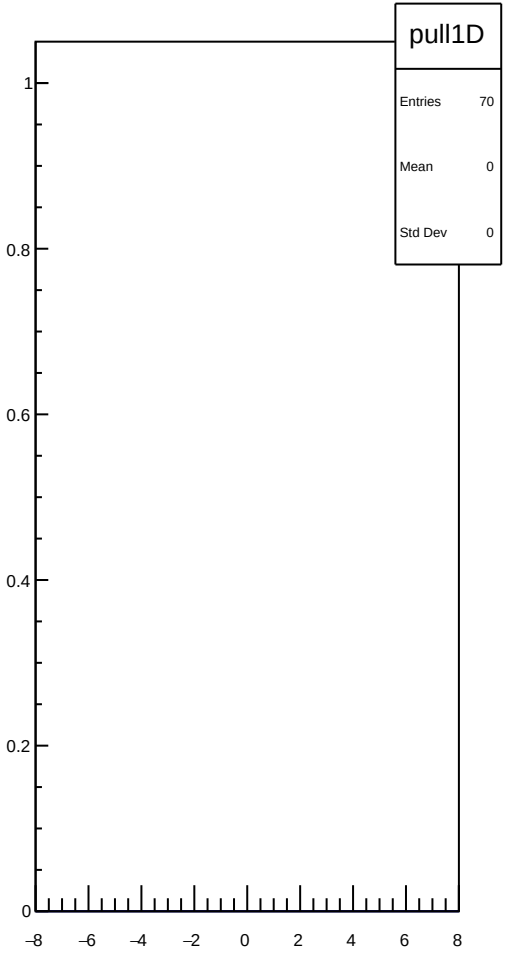

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

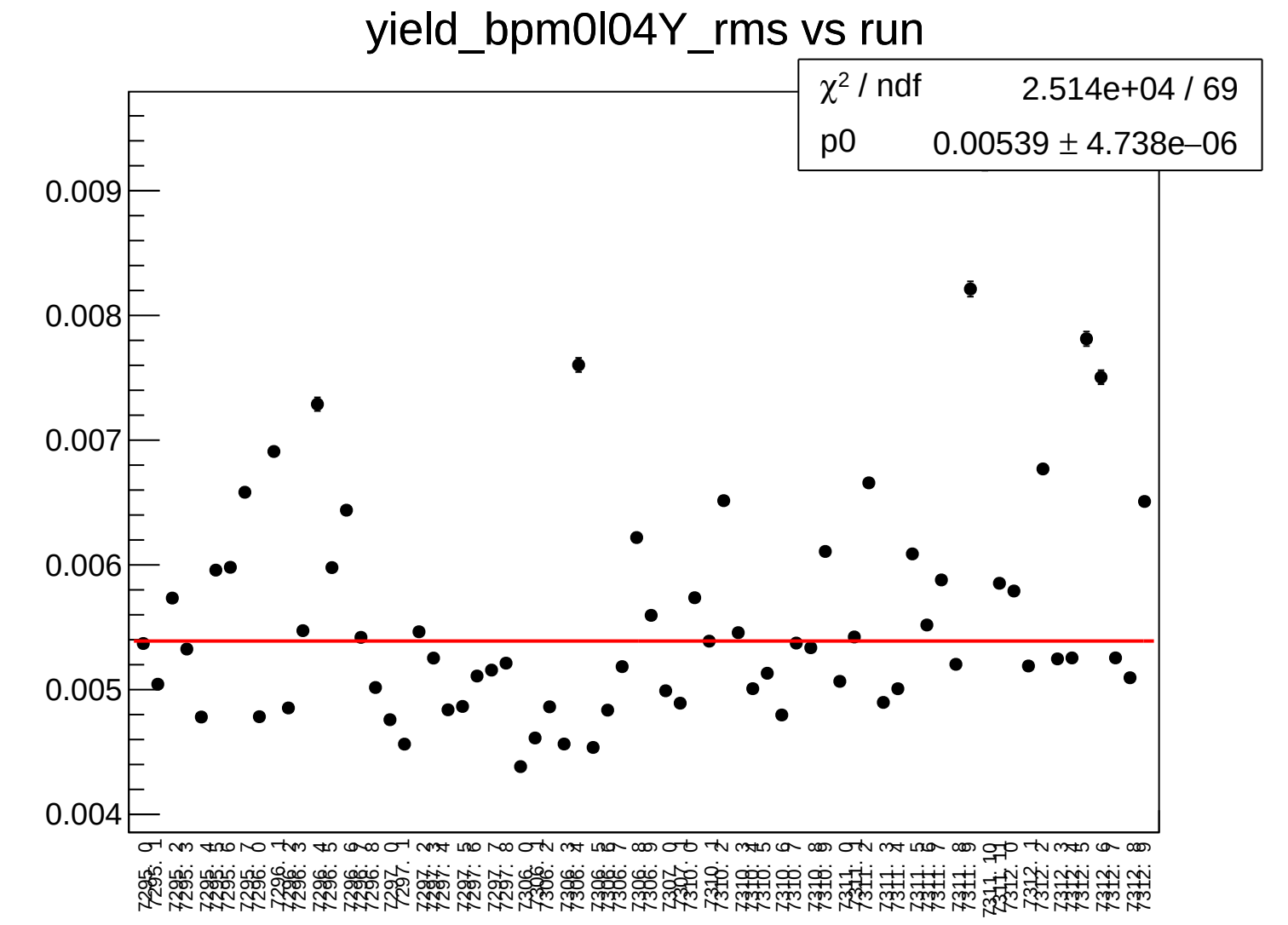

yield_bpm0l03Y_rms vs run
χ² / ndf 1.278e+05 / 69
p0 0.09523 ± 8.725e−05
0.6
0.5
0.4
0.3
0.2
0.1

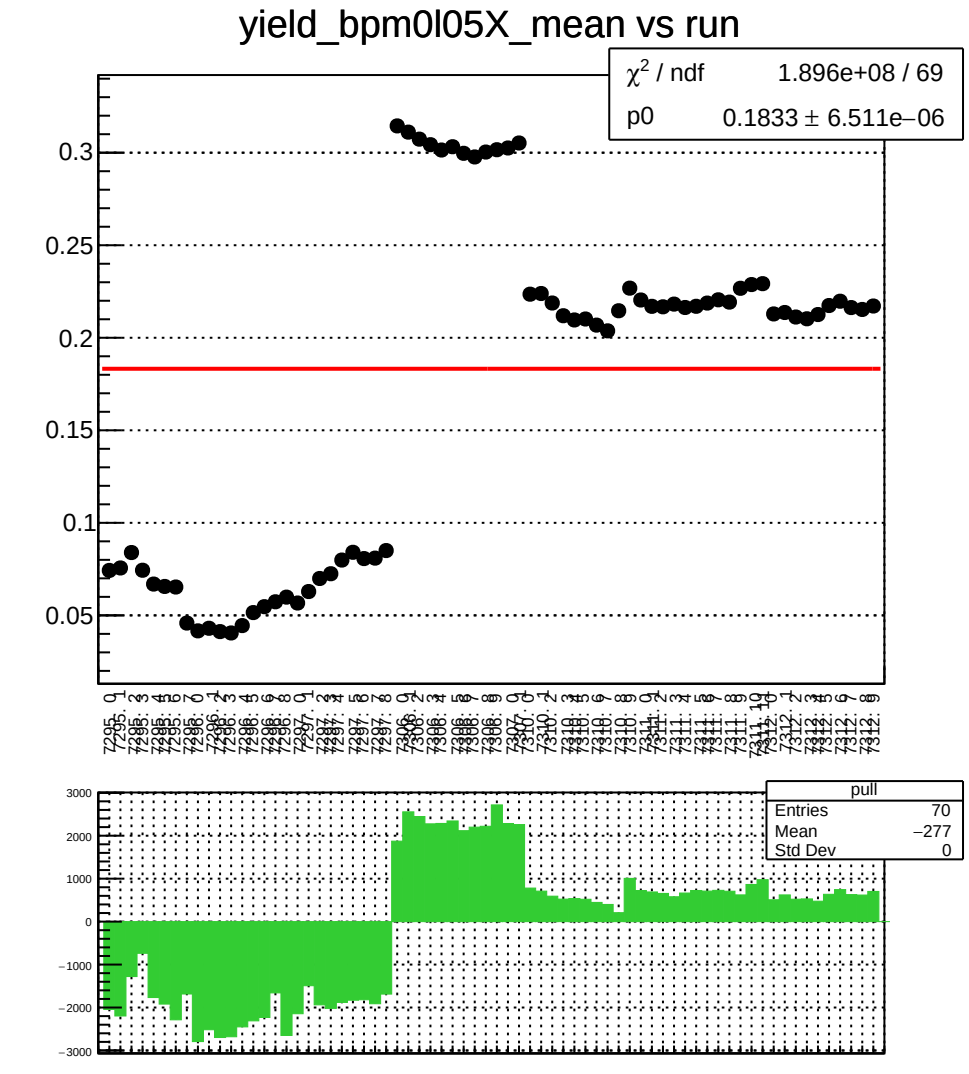

yield_bpm0l04X_mean vs run
χ² / ndf 1.854e+08 / 69
p0 −2.845 ± 9.177e−06
−2.7
−2.75
−2.8
−2.85
−2.9
−2.95
−3
−3.05
pull
Entries 70
Mean 387.7
Std Dev 0
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

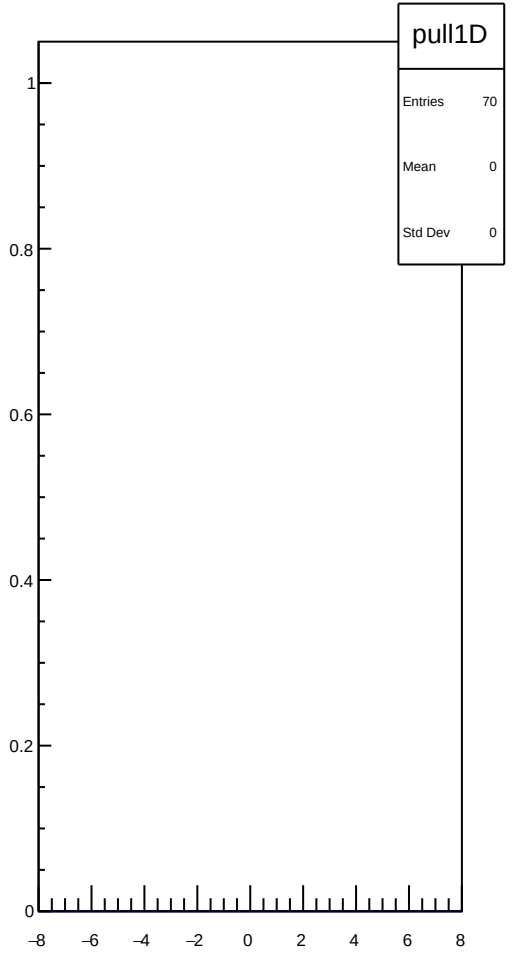

yield_bpm0l04X_rms vs run
χ² / ndf 2.165e+04 / 69
p0 0.007391 ± 6.489e−06
0.014
0.012
0.01
0.008
0.006

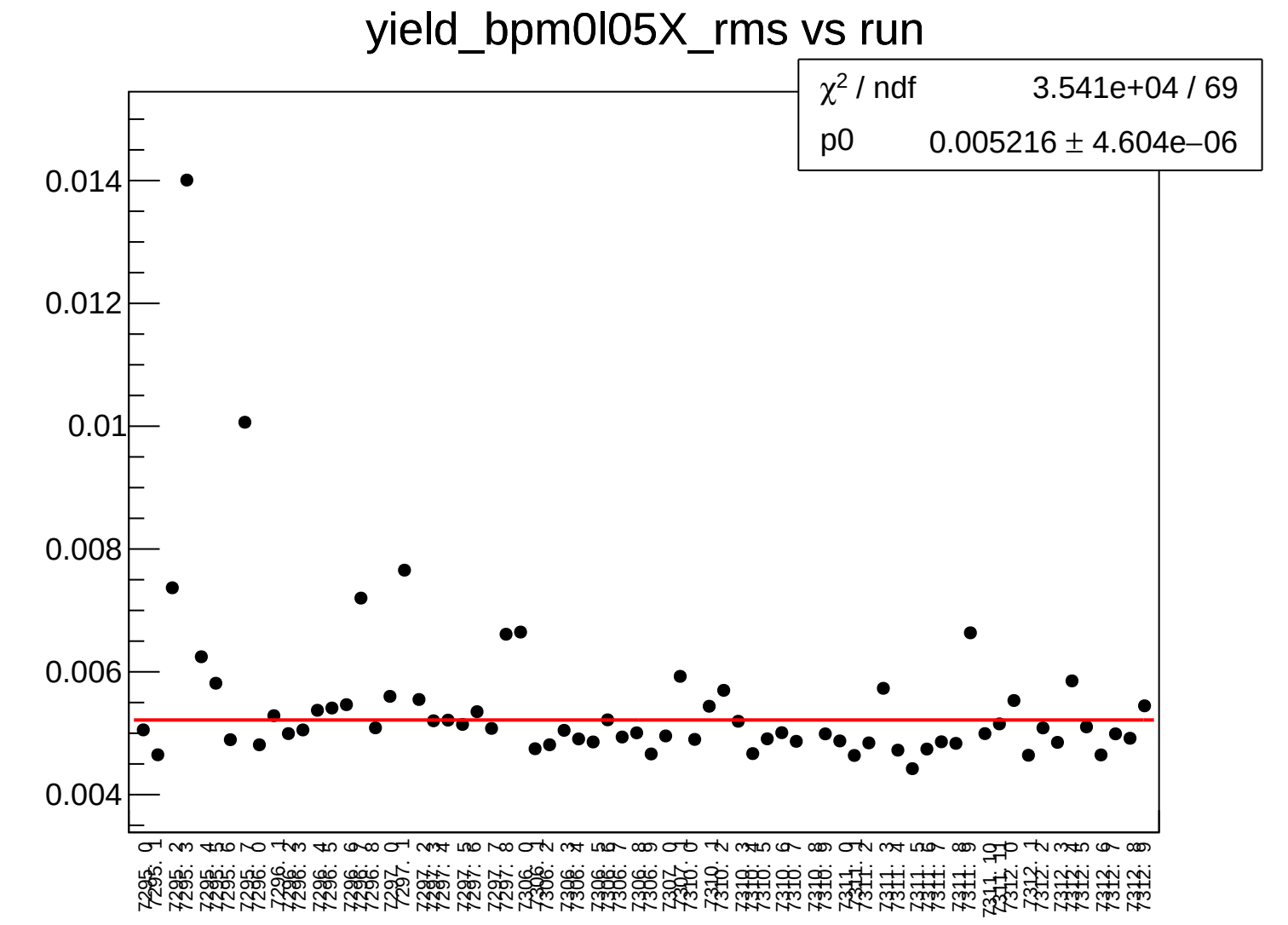

yield_bpm0l04Y_mean vs run
χ² / ndf 2.508e+08 / 69
p0 0.03082 ± 6.701e−06
pull
Entries 70
Mean 1282
Std Dev 0

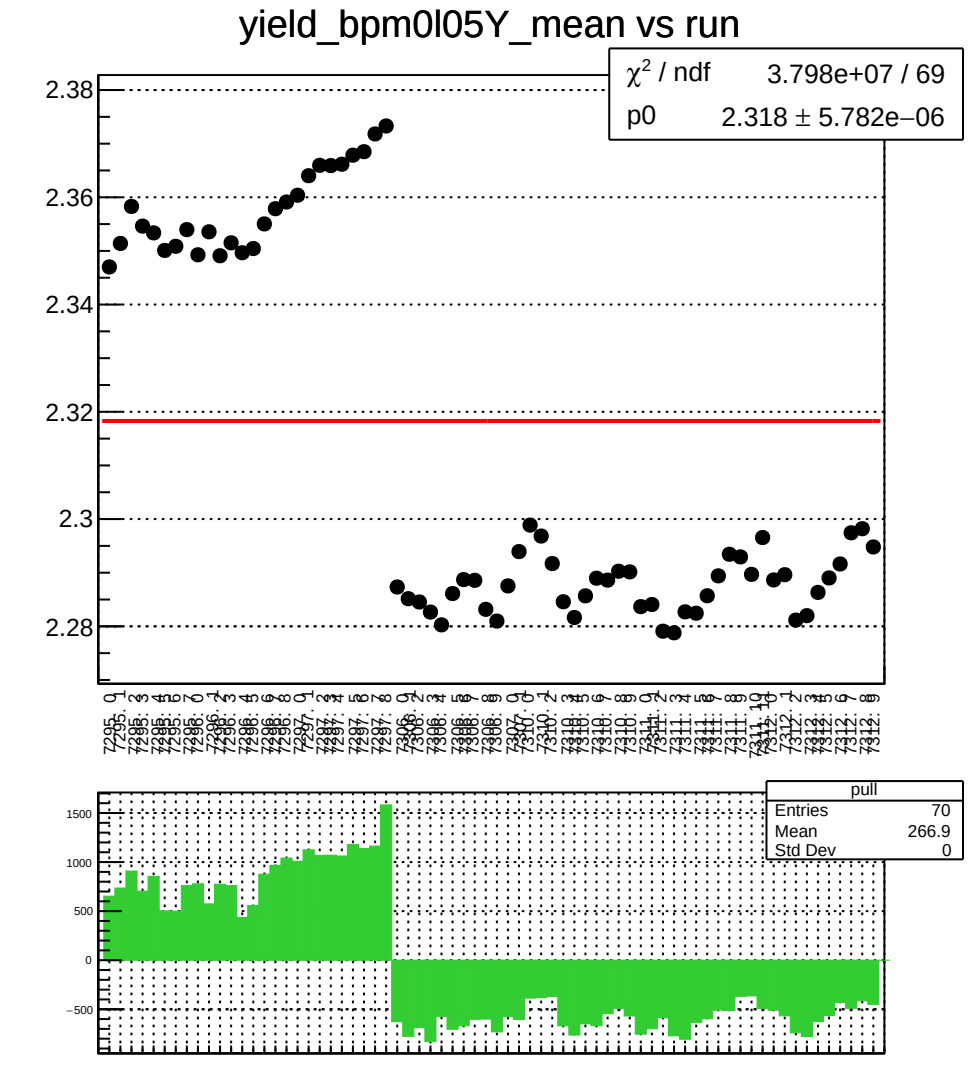

pull1D
Entries 70
Mean 0
Std Dev 0

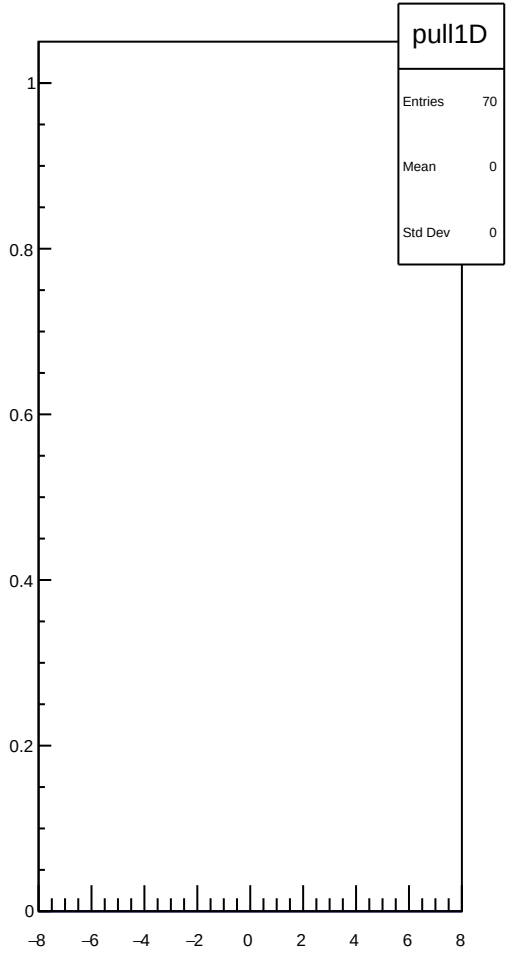

yield_bpm0l04Y_rms vs run
χ² / ndf 2.514e+04 / 69
p0 0.00539 ± 4.738e–06
0.009
0.008
0.007
0.006
0.005
0.004

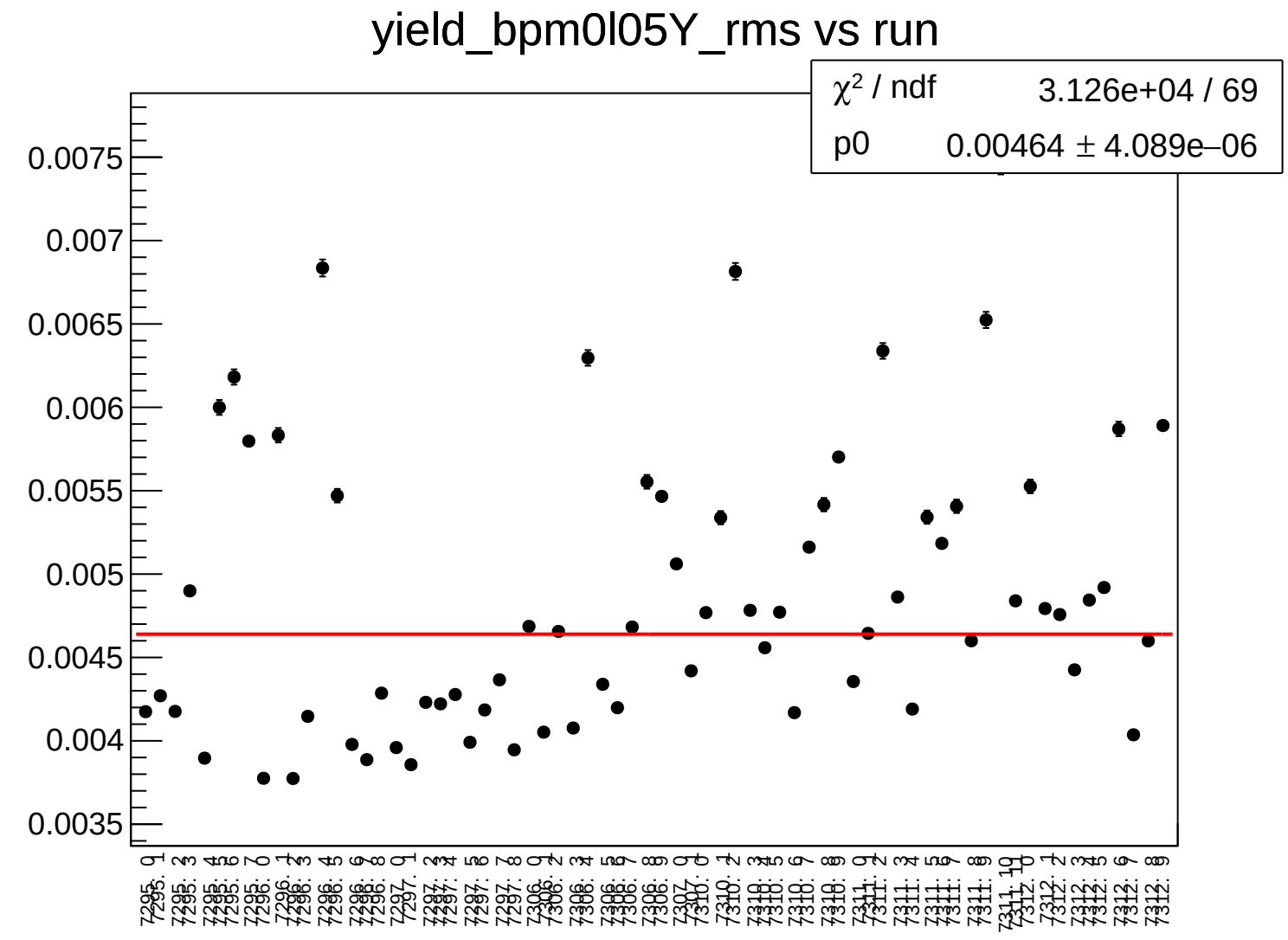

yield_bpm0l05X_mean vs run
χ² / ndf 1.896e+08 / 69
p0 0.1833 ± 6.511e−06
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 70
Mean −277
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000

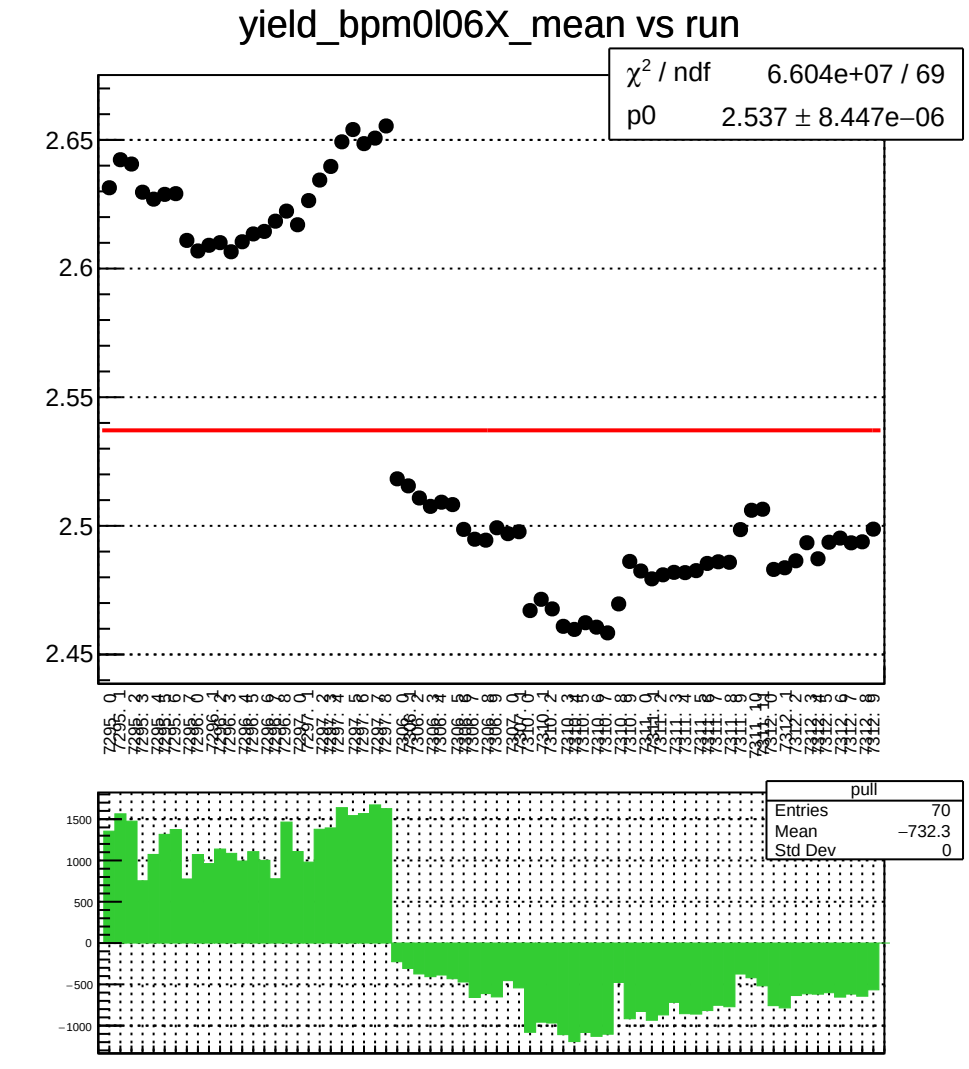

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

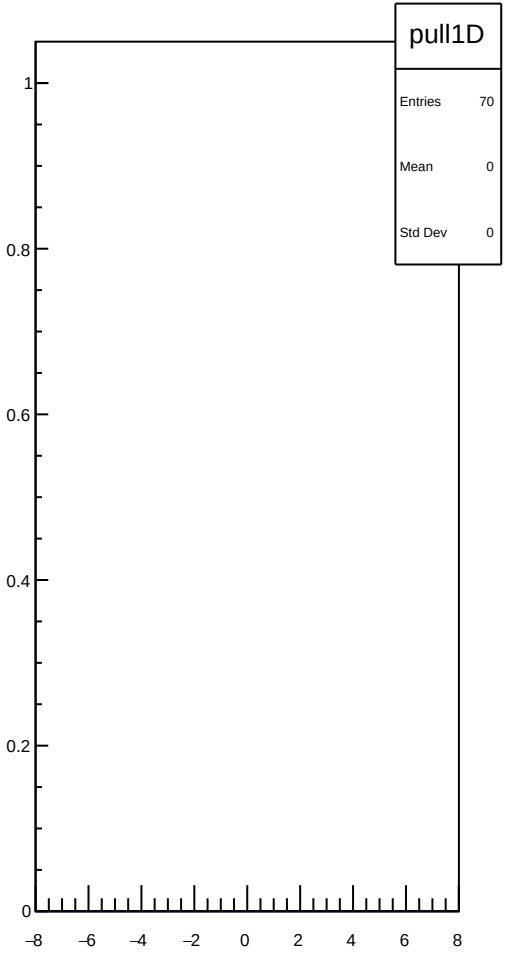

yield_bpm0l05X_rms vs run
χ² / ndf 3.541e+04 / 69
p0 0.005216 ± 4.604e−06
0.014
0.012
0.01
0.008
0.006
0.004

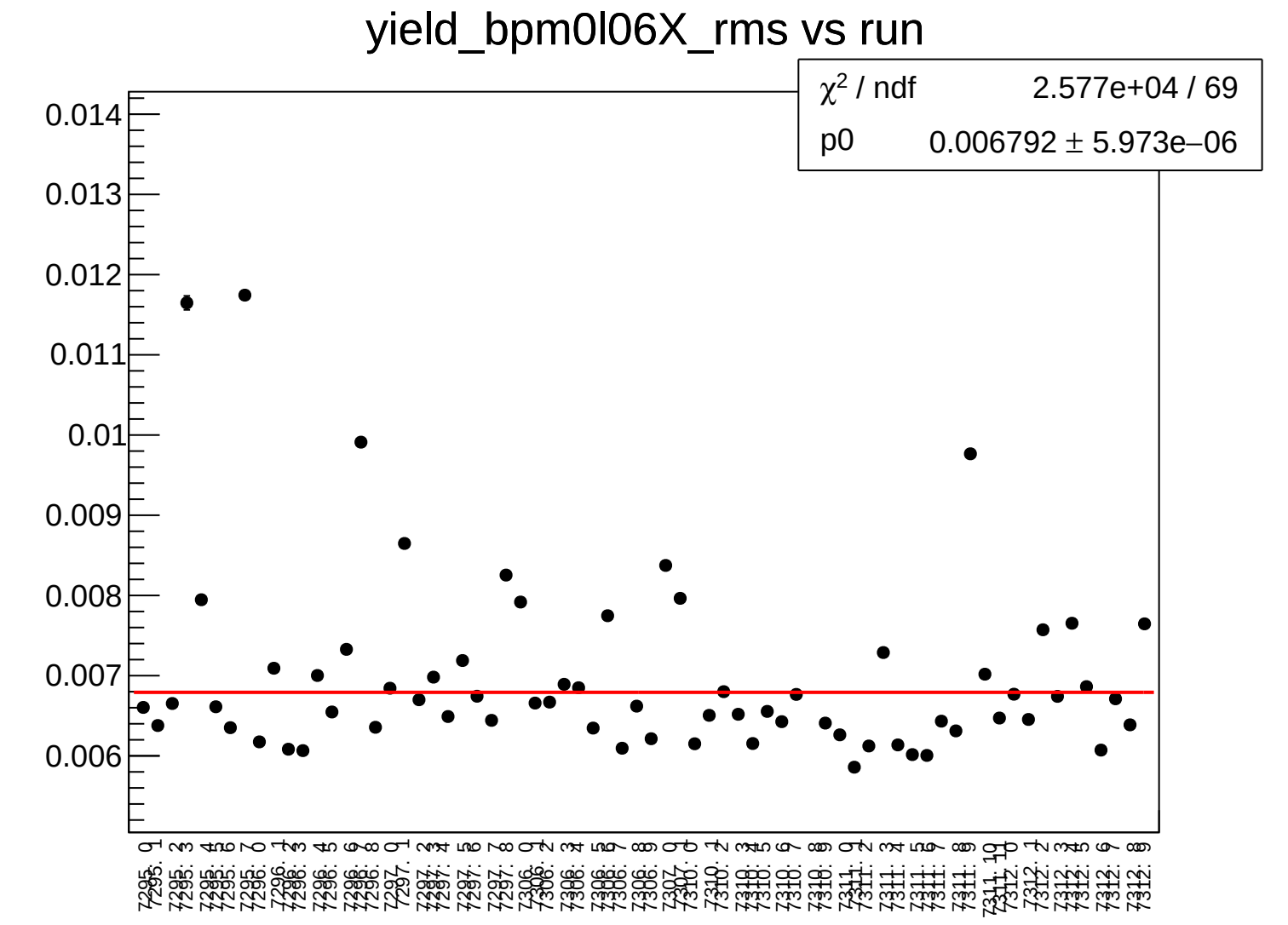

yield_bpm0l05Y_mean vs run
χ² / ndf 3.798e+07 / 69
p0 2.318 ± 5.782e−06
2.38
2.36
2.34
2.32
2.3
2.28
pull
Entries 70
Mean 266.9
Std Dev 0
1500
1000
500
0
−500

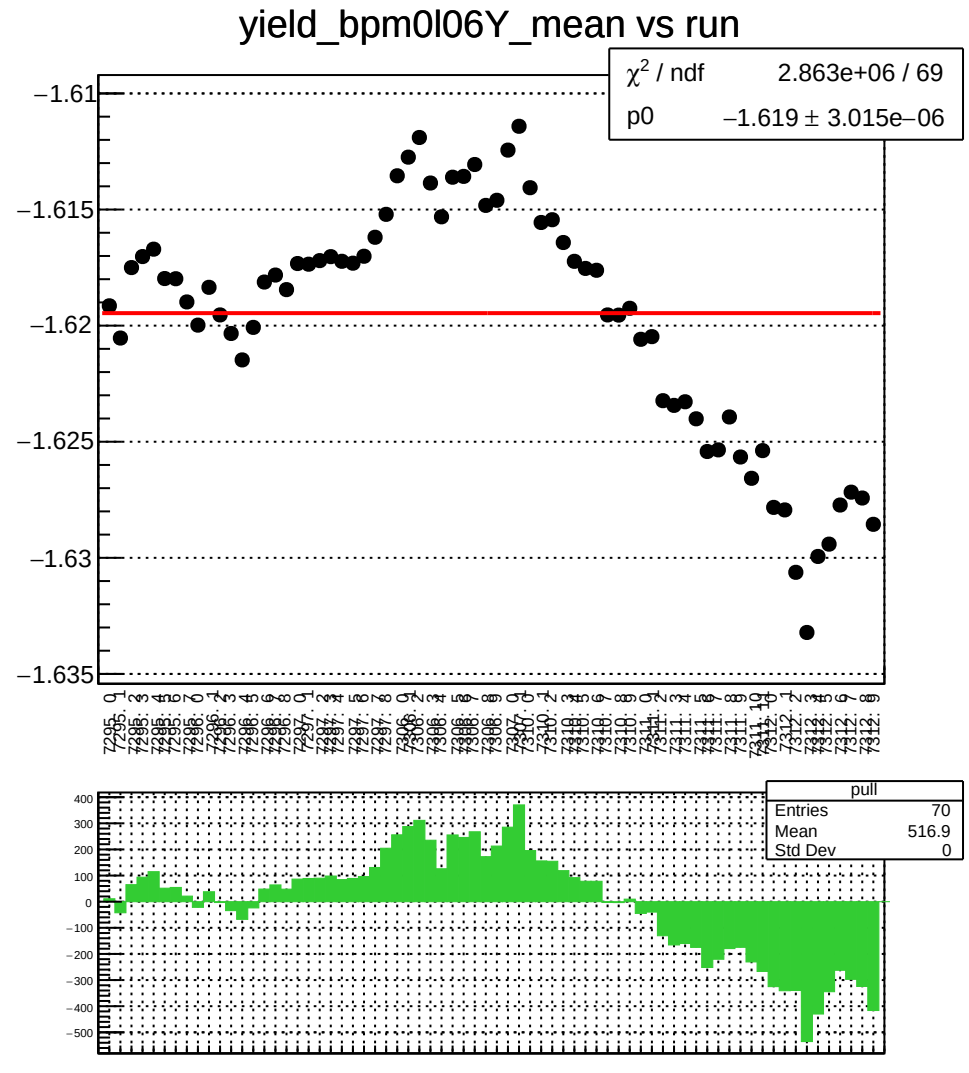

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

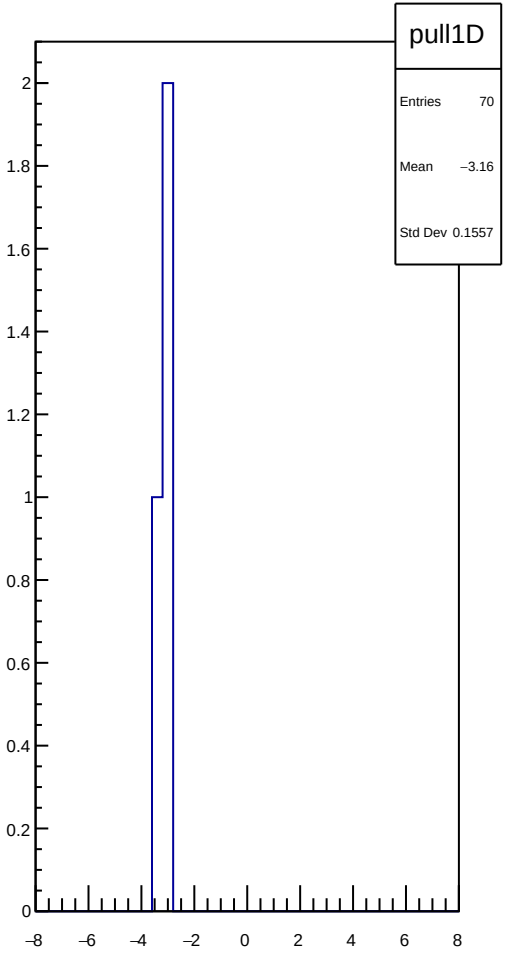

yield_bpm0l05Y_rms vs run
χ² / ndf 3.126e+04 / 69
p0 0.00464 ± 4.089e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035

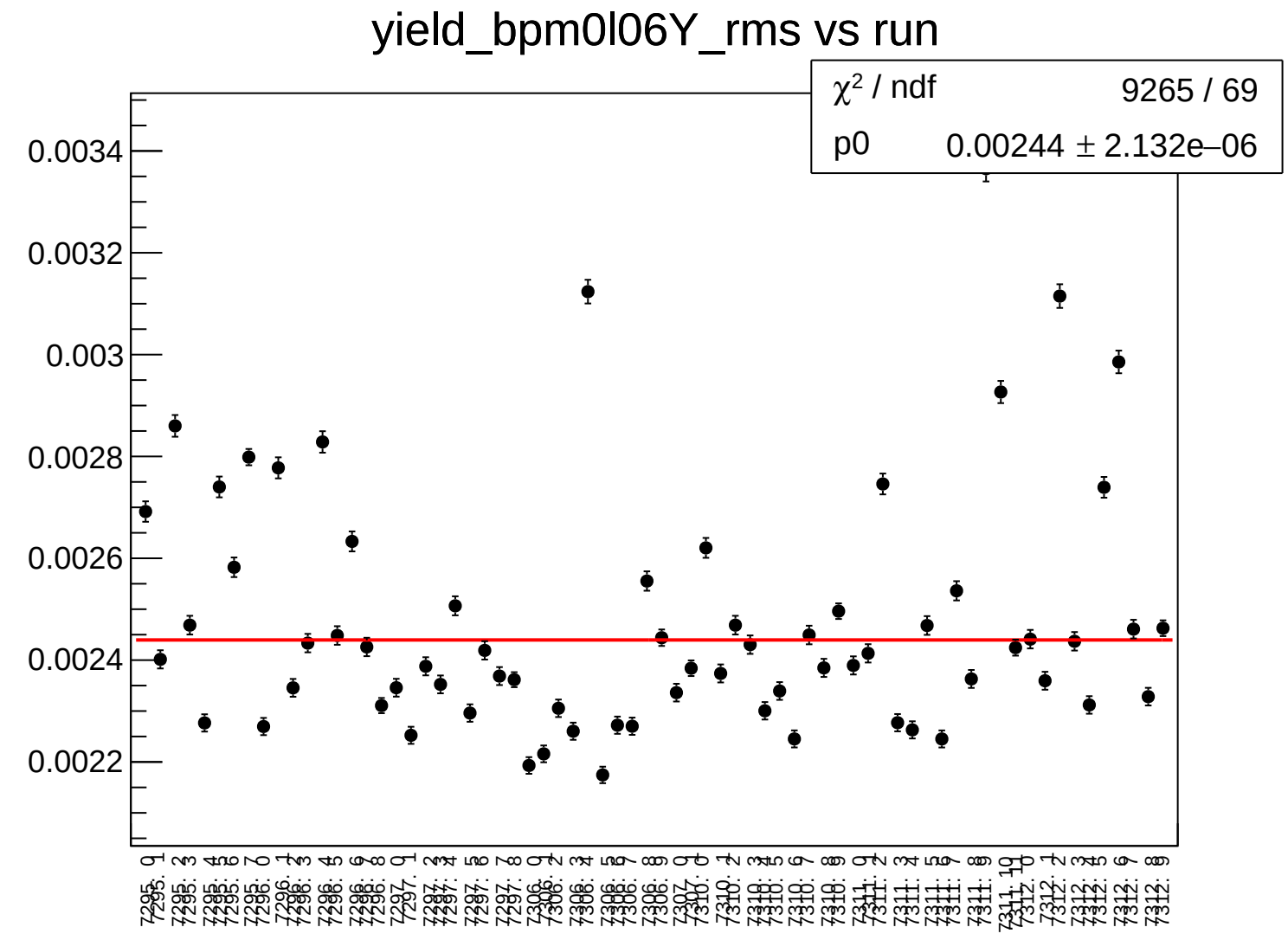

yield_bpm0l06X_mean vs run
χ² / ndf 6.604e+07 / 69
p0 2.537 ± 8.447e−06
2.65
2.6
2.55
2.5
2.45
pull
Entries 70
Mean −732.3
Std Dev 0
1500
1000
500
0
−500
−1000

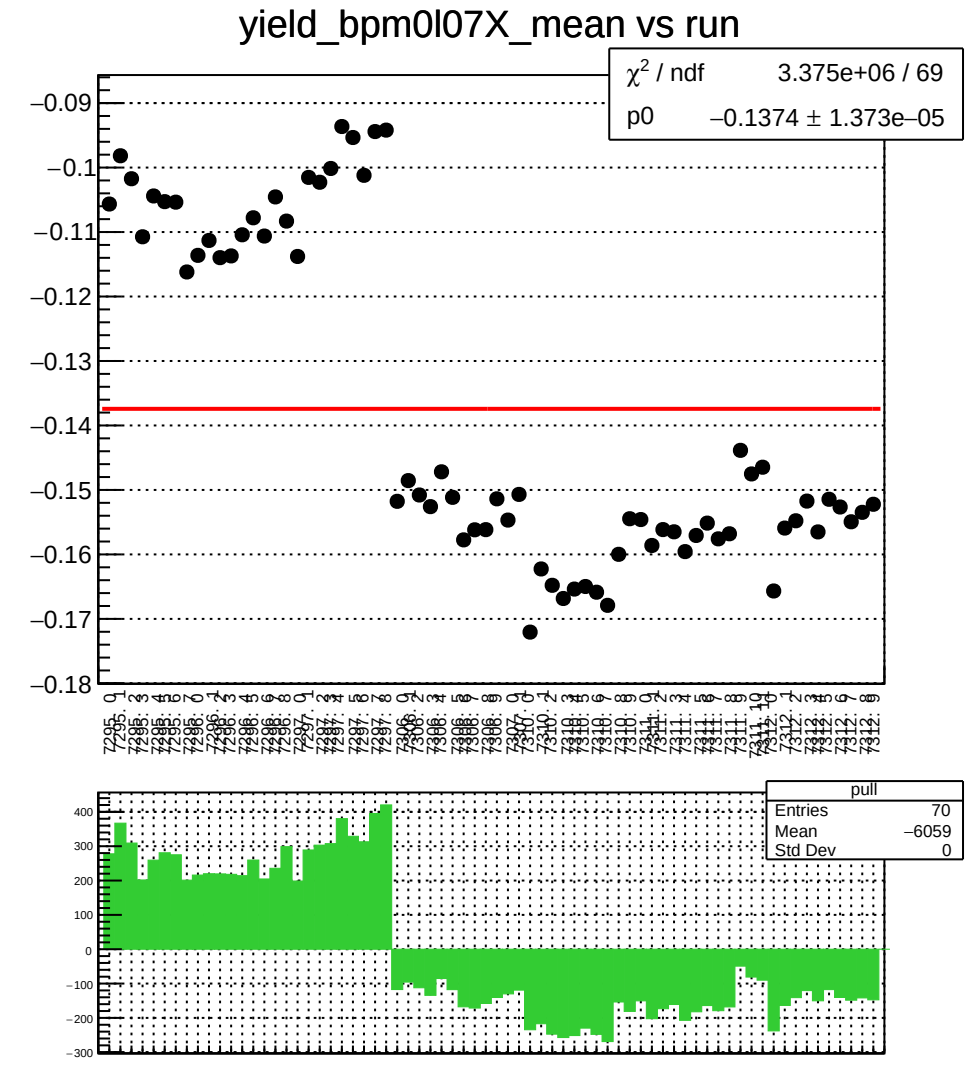

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

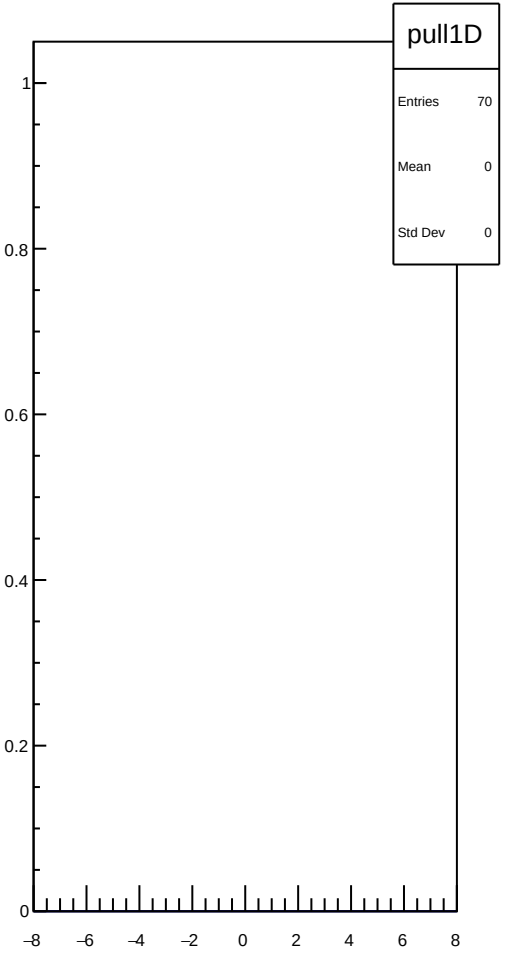

yield_bpm0l06X_rms vs run
χ² / ndf 2.577e+04 / 69
p0 0.006792 ± 5.973e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

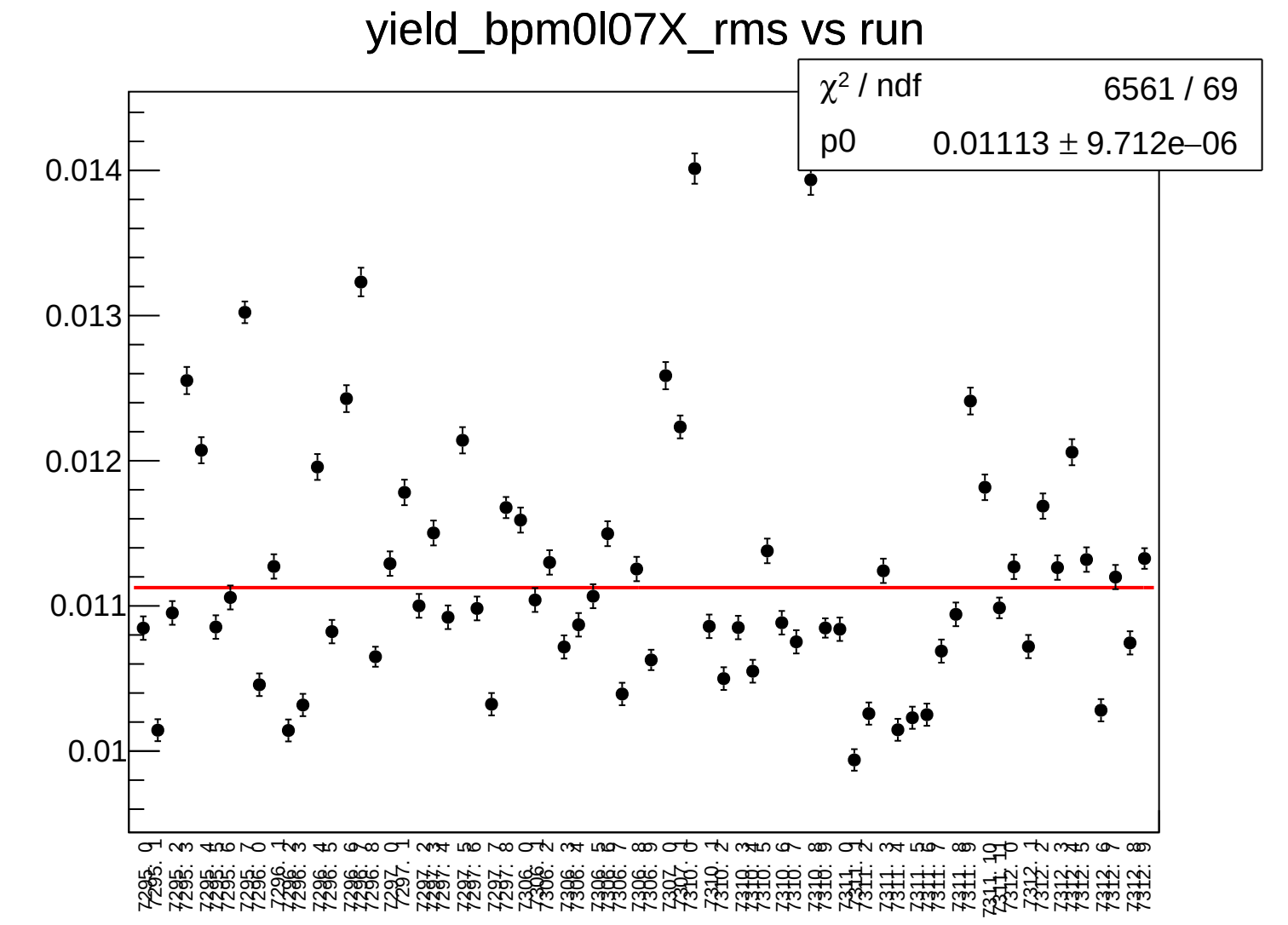

yield_bpm0l06Y_mean vs run
χ² / ndf 2.863e+06 / 69
p0 −1.619 ± 3.015e−06
−1.61
−1.615
−1.62
−1.625
−1.63
−1.635
pull
Entries 70
Mean 516.9
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

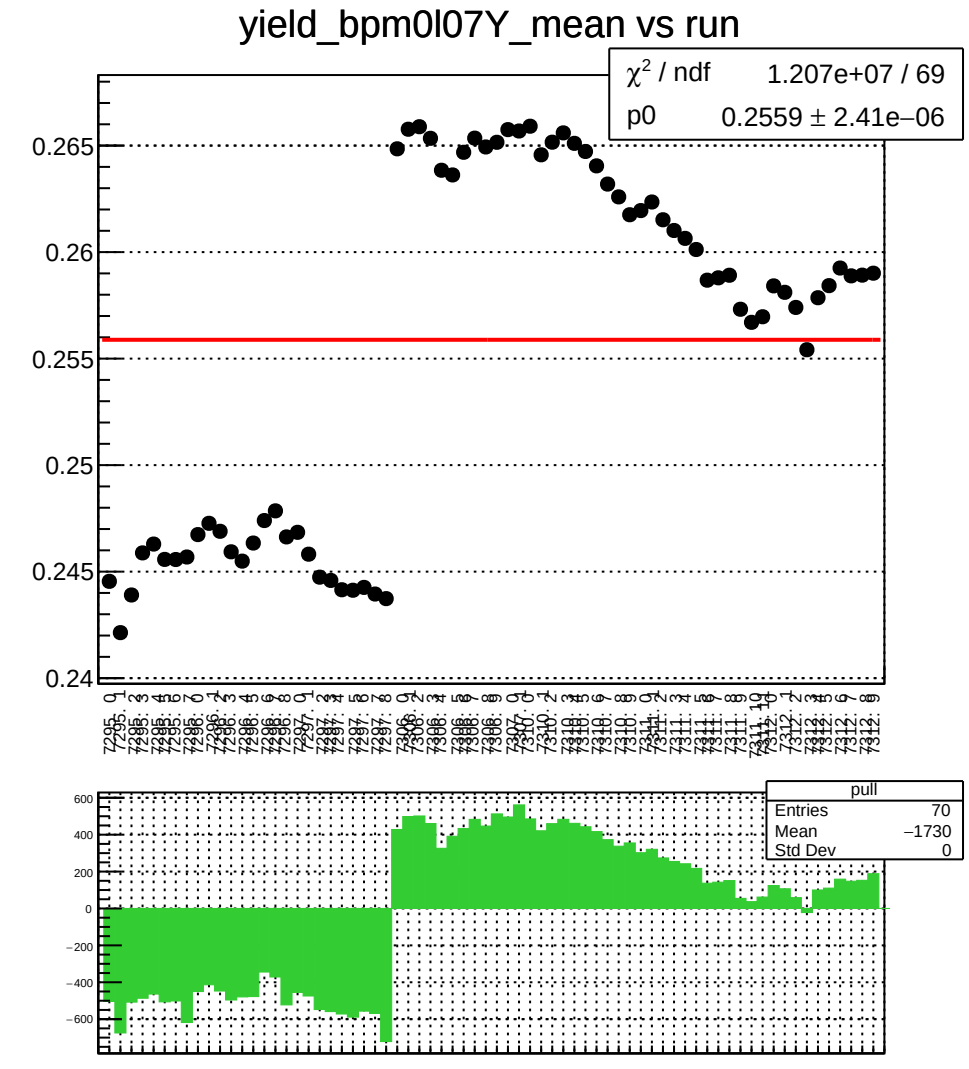

pull1D
Entries 70
Mean −3.16
Std Dev 0.1557
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

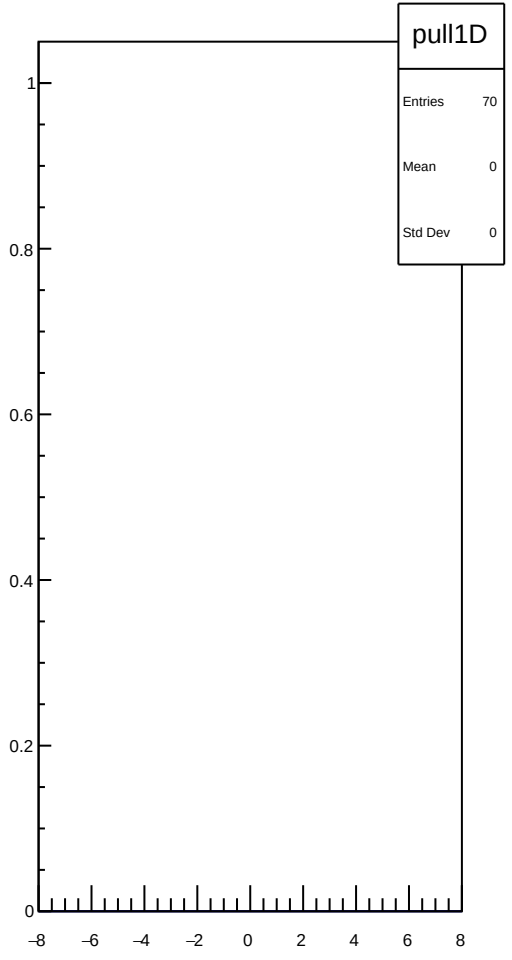

yield_bpm0l06Y_rms vs run
χ² / ndf 9265 / 69
p0 0.00244 ± 2.132e–06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

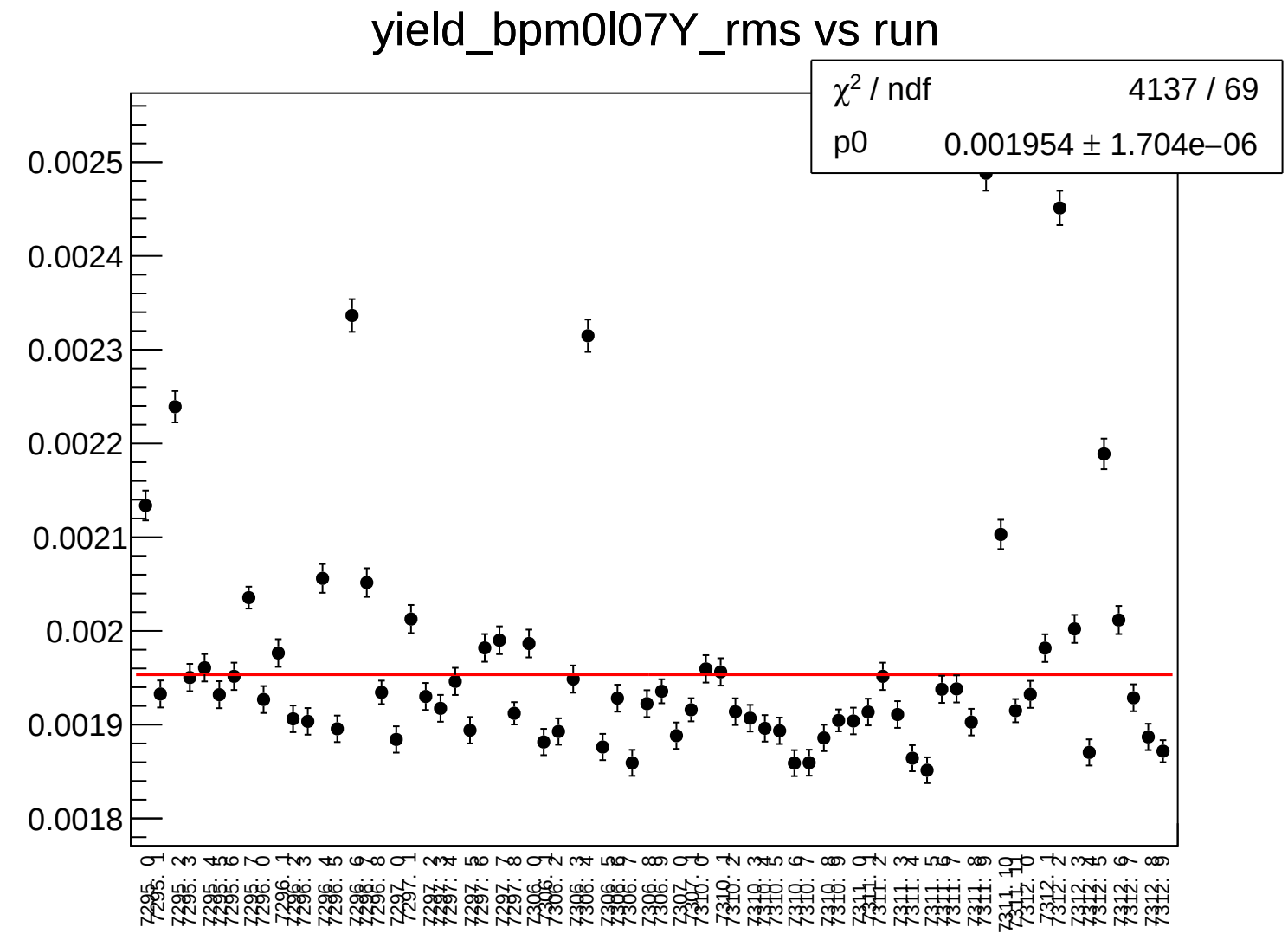

yield_bpm0l07X_mean vs run
χ² / ndf 3.375e+06 / 69
p0 −0.1374 ± 1.373e−05
pull
Entries 70
Mean −6059
Std Dev 0

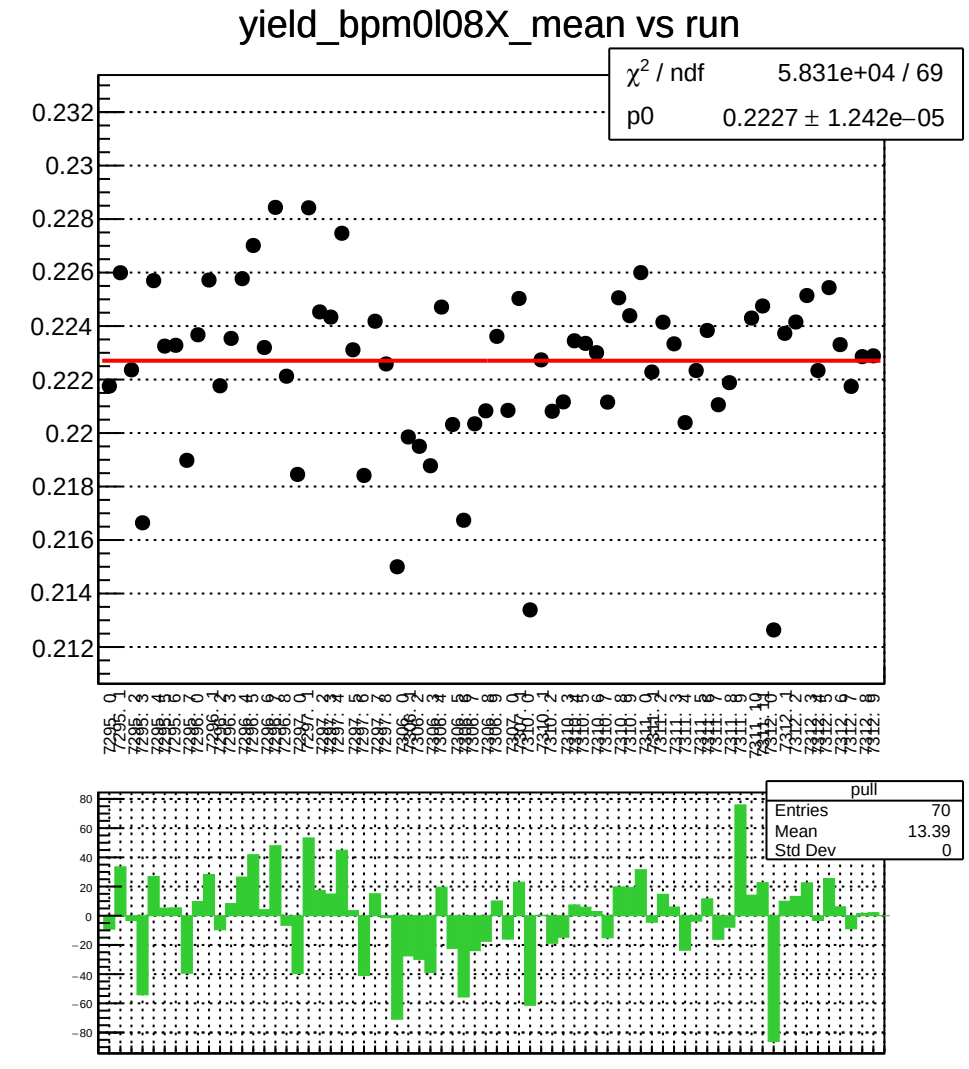

pull1D
Entries 70
Mean 0
Std Dev 0

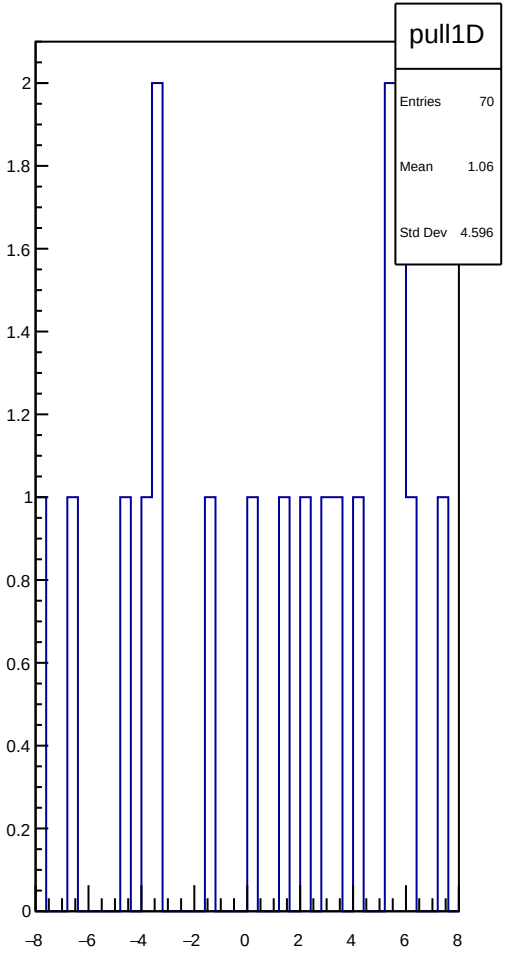

yield_bpm0l07X_rms vs run
χ² / ndf 6561 / 69
p0 0.01113 ± 9.712e–06
0.014
0.013
0.012
0.011
0.01

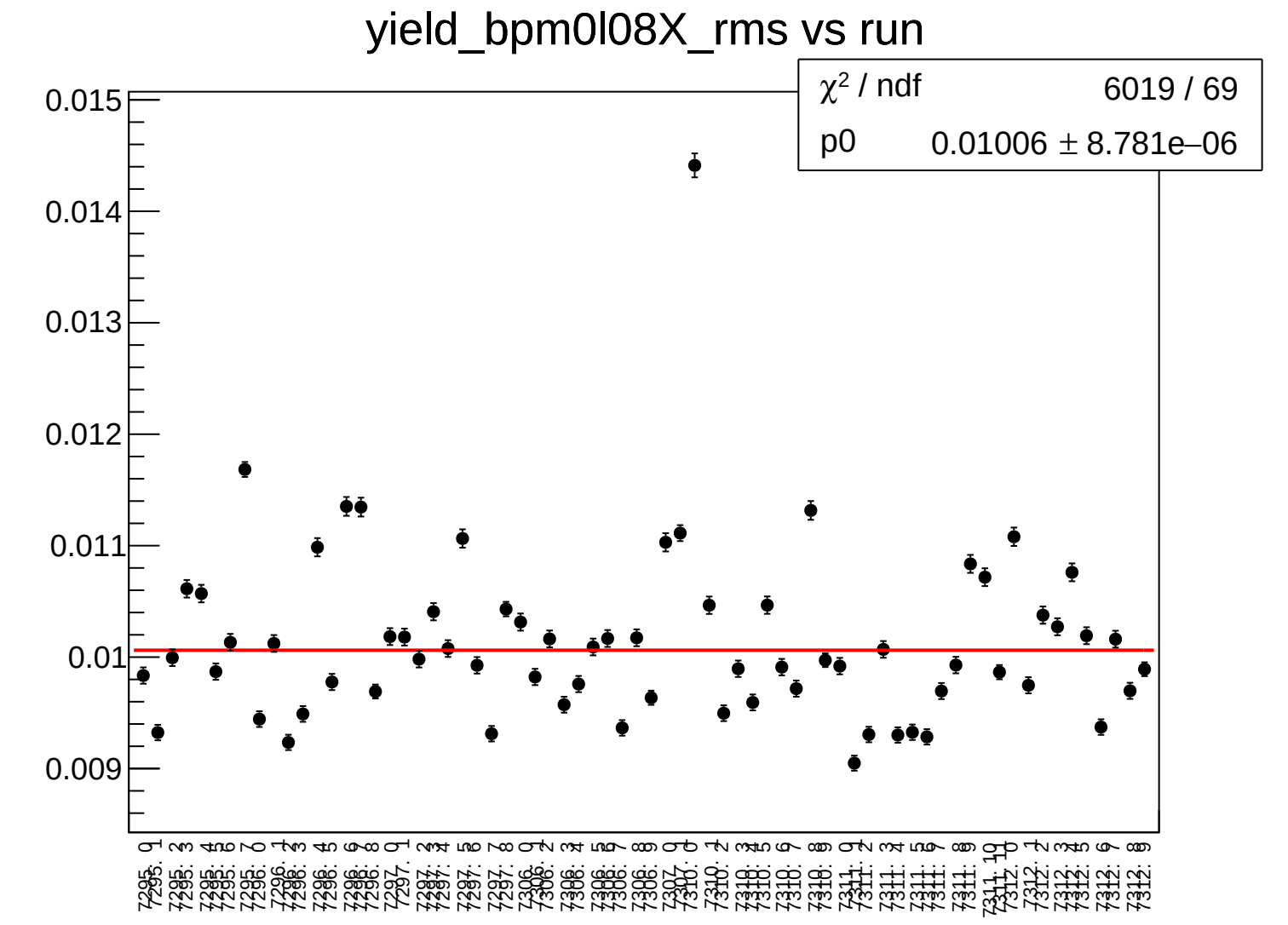

yield_bpm0l07Y_mean vs run
χ² / ndf 1.207e+07 / 69
p0 0.2559 ± 2.41e−06
0.265
0.26
0.255
0.25
0.245
0.24
pull
Entries 70
Mean −1730
Std Dev 0
600
400
200
0
−200
−400
−600

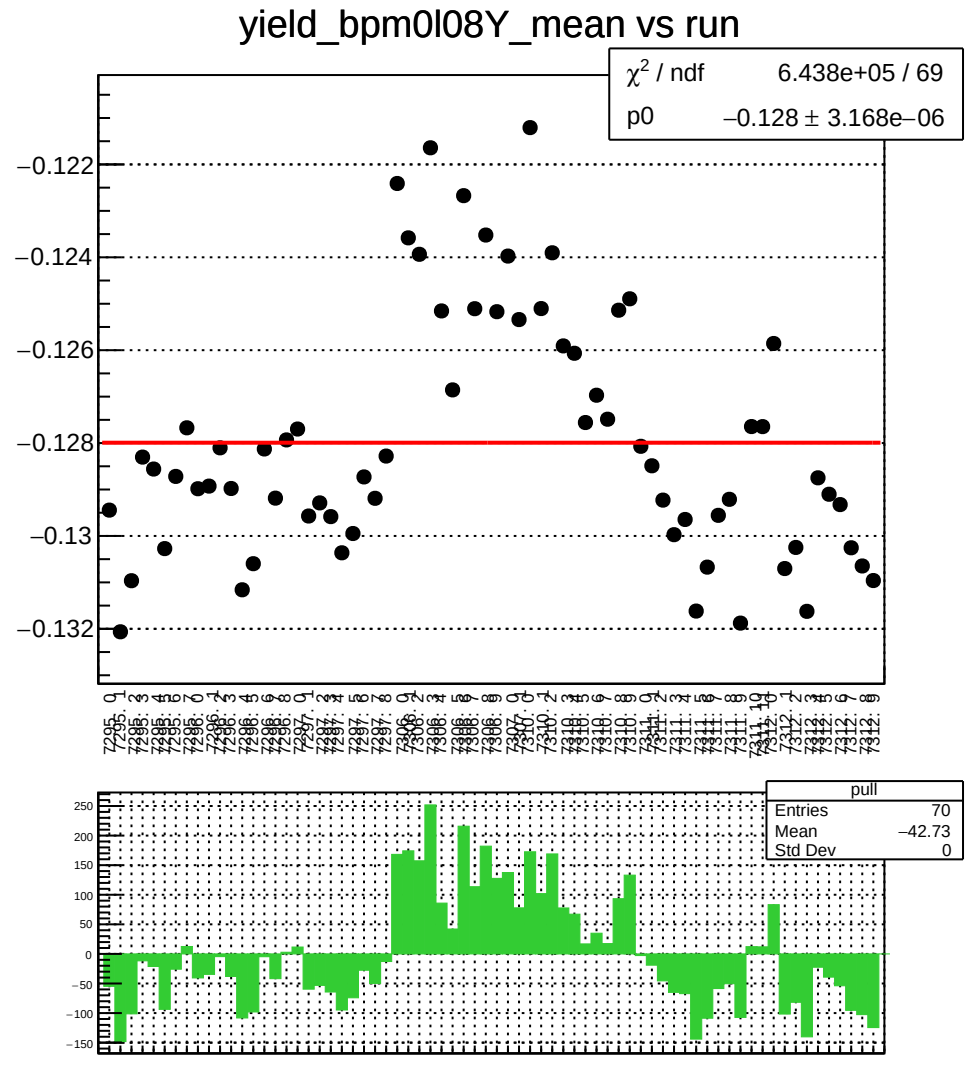

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

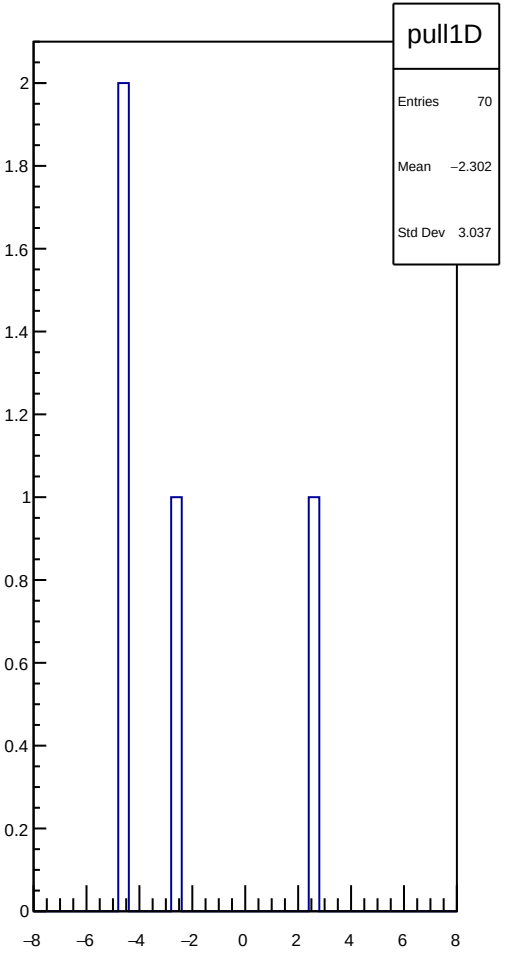

yield_bpm0l07Y_rms vs run
χ² / ndf 4137 / 69
p0 0.001954 ± 1.704e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018

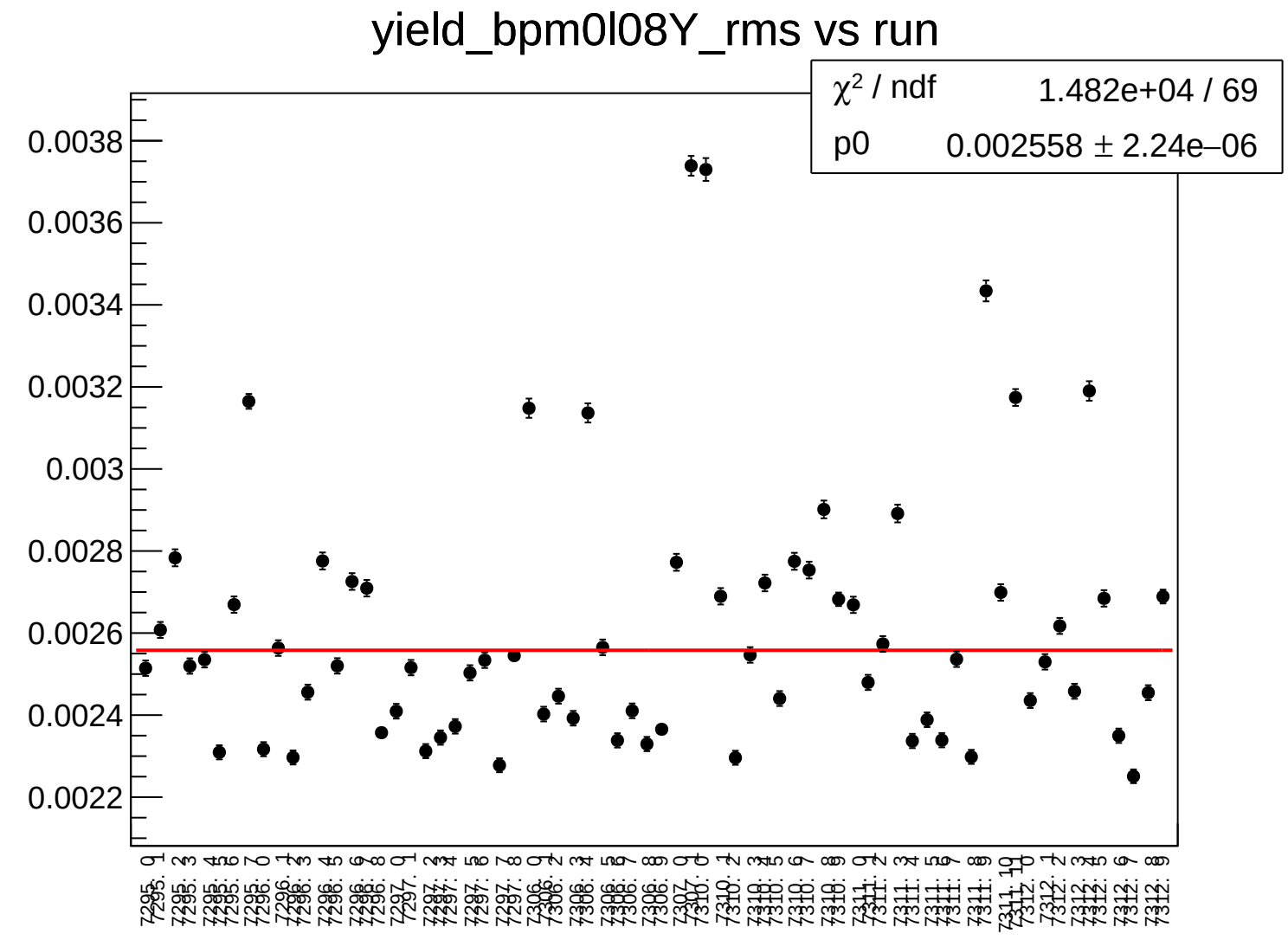

yield_bpm0l08X_mean vs run
χ² / ndf 5.831e+04 / 69
p0 0.2227 ± 1.242e−05
0.232
0.23
0.228
0.226
0.224
0.222
0.22
0.218
0.216
0.214
0.212
pull
Entries 70
Mean 13.39
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

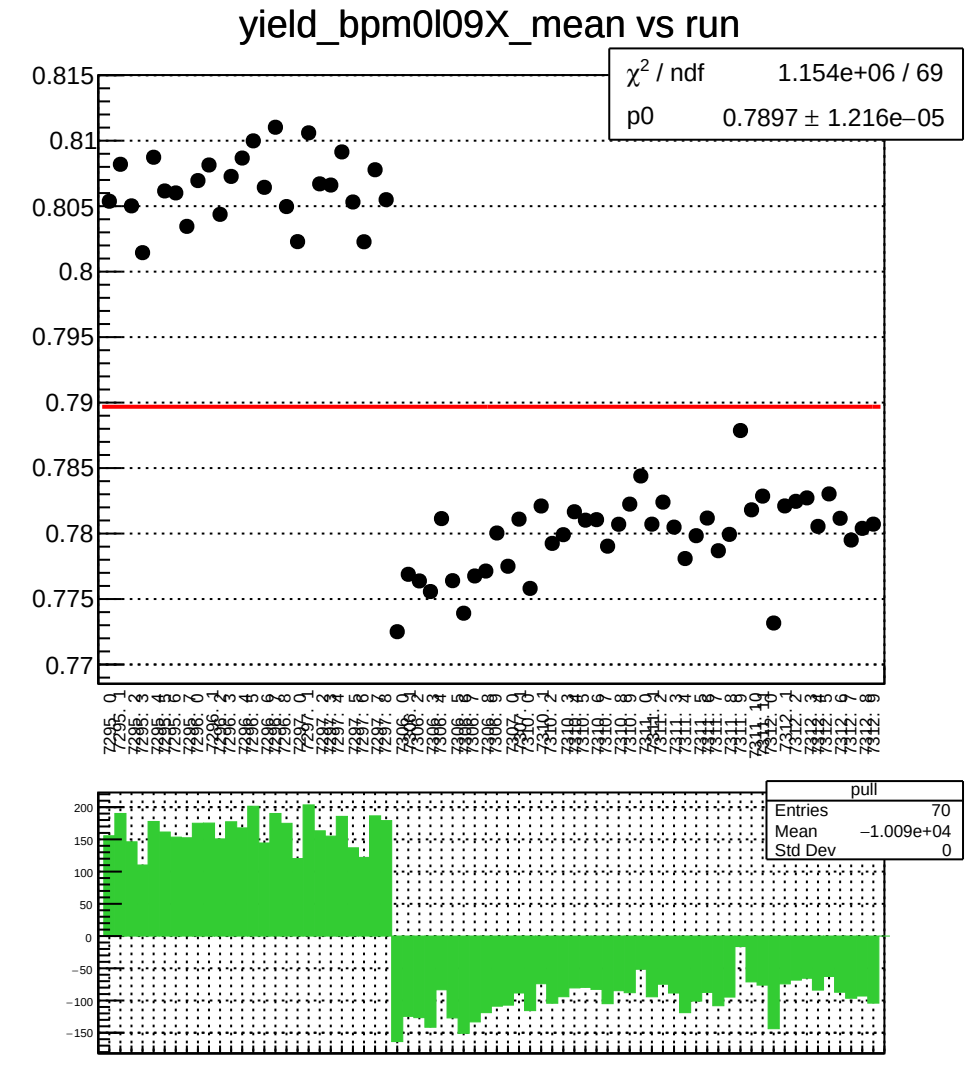

pull1D
Entries 70
Mean 1.06
Std Dev 4.596
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

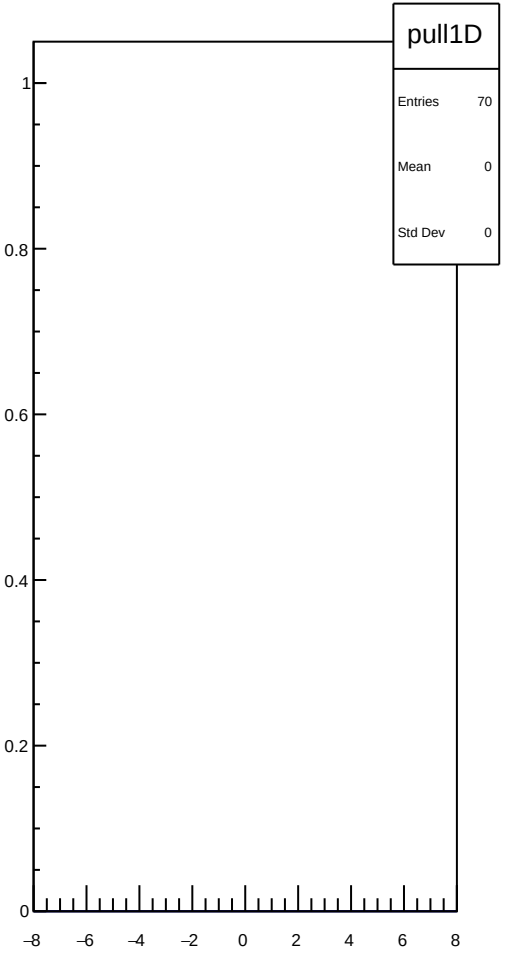

yield_bpm0l08X_rms vs run
χ² / ndf 6019 / 69
p0 0.01006 ± 8.781e–06
0.015
0.014
0.013
0.012
0.011
0.01
0.009

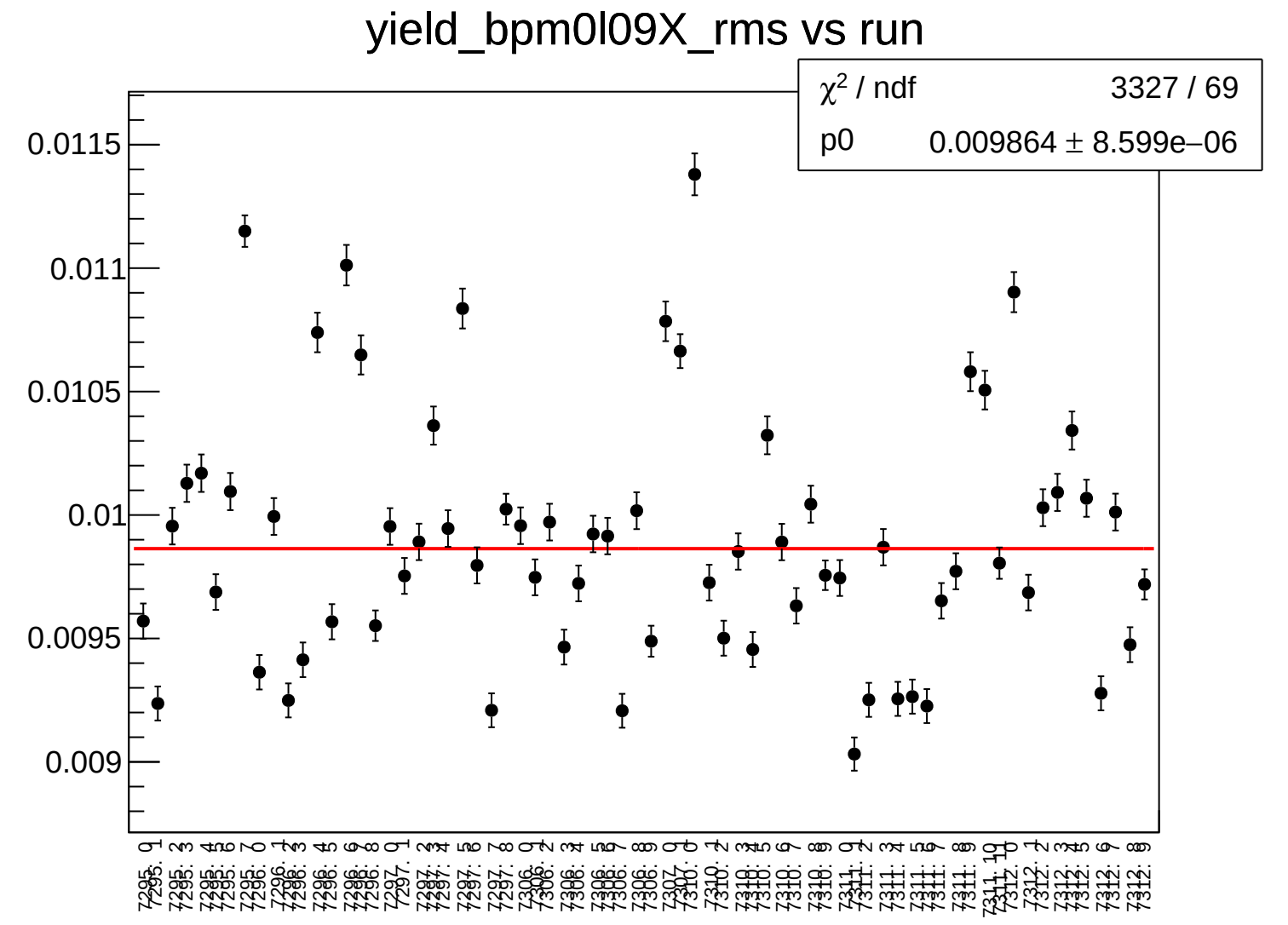

yield_bpm0l08Y_mean vs run
χ² / ndf 6.438e+05 / 69
p0 −0.128 ± 3.168e−06
−0.122
−0.124
−0.126
−0.128
−0.13
−0.132
pull
Entries 70
Mean −42.73
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

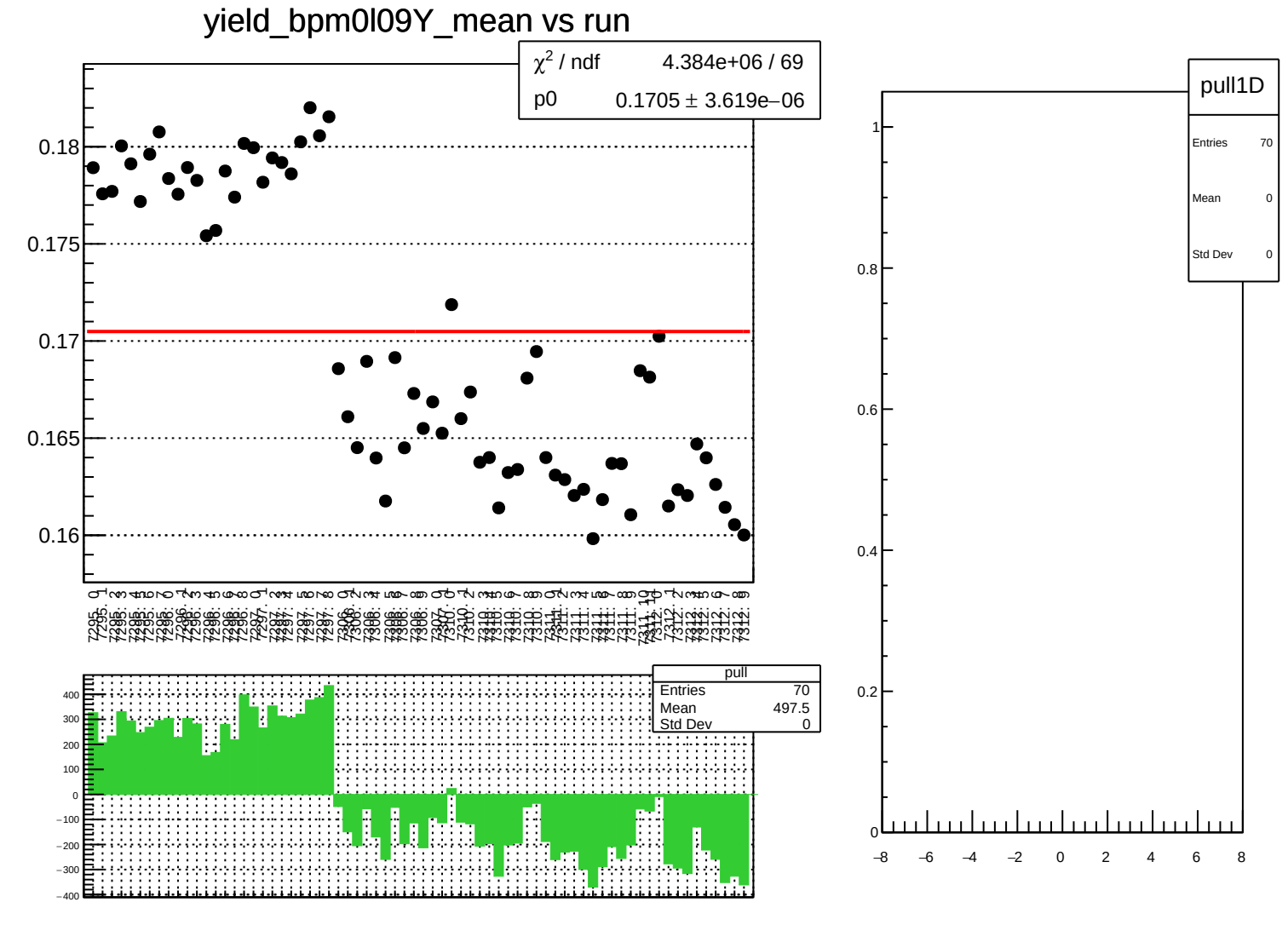

pull1D
Entries 70
Mean −2.302
Std Dev 3.037
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

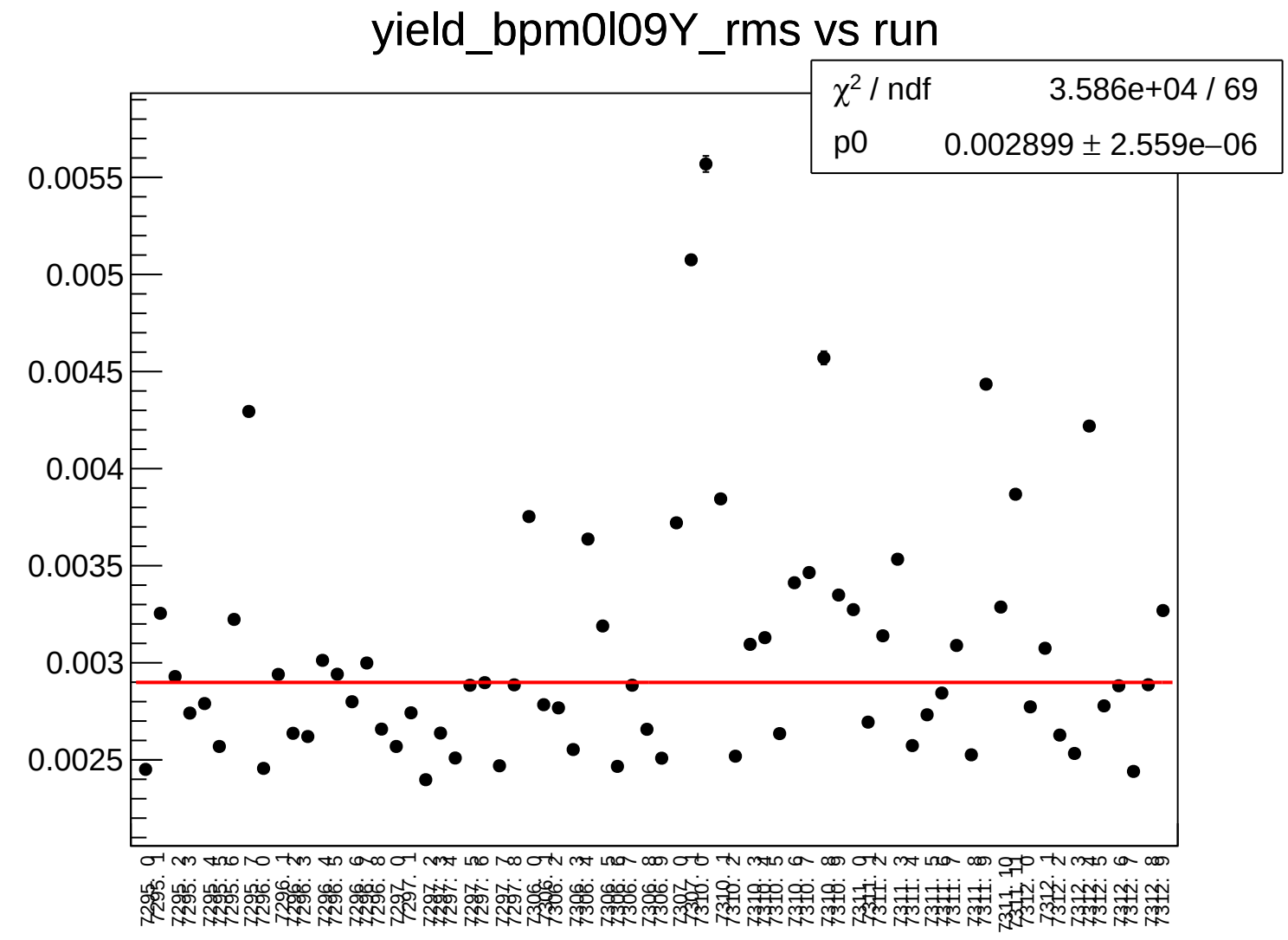

yield_bpm0l08Y_rms vs run
χ² / ndf 1.482e+04 / 69
p0 0.002558 ± 2.24e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

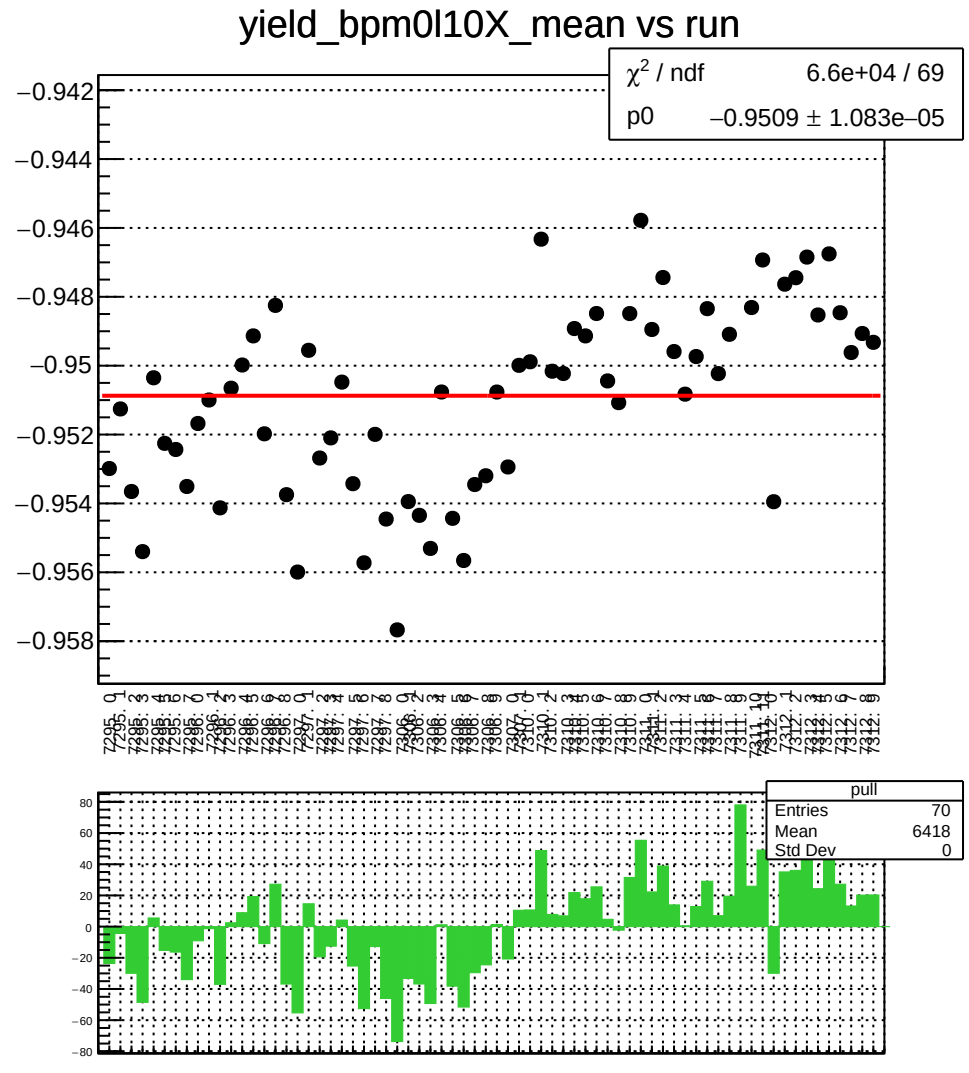

yield_bpm0l09X_mean vs run
χ² / ndf 1.154e+06 / 69
p0 0.7897 ± 1.216e−05
pull
Entries 70
Mean −1.009e+04
Std Dev 0

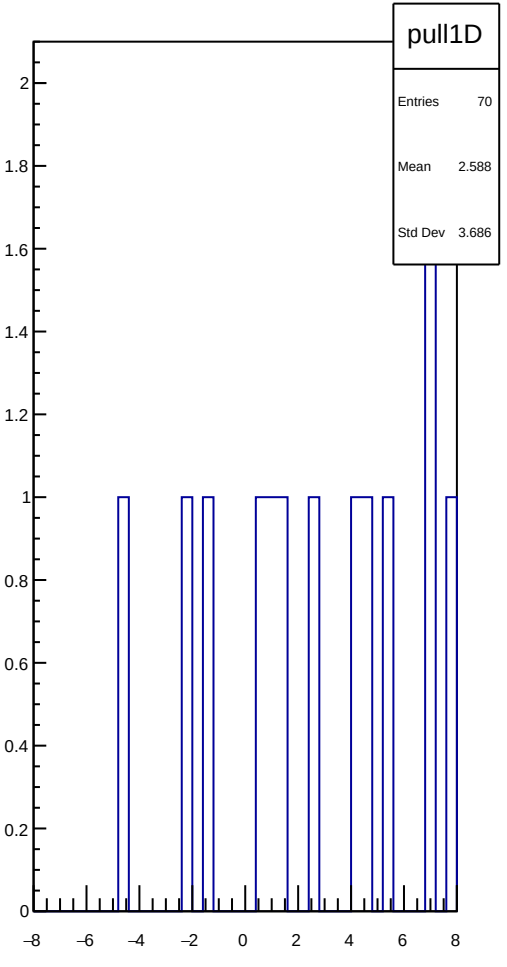

pull1D
Entries 70
Mean 0
Std Dev 0

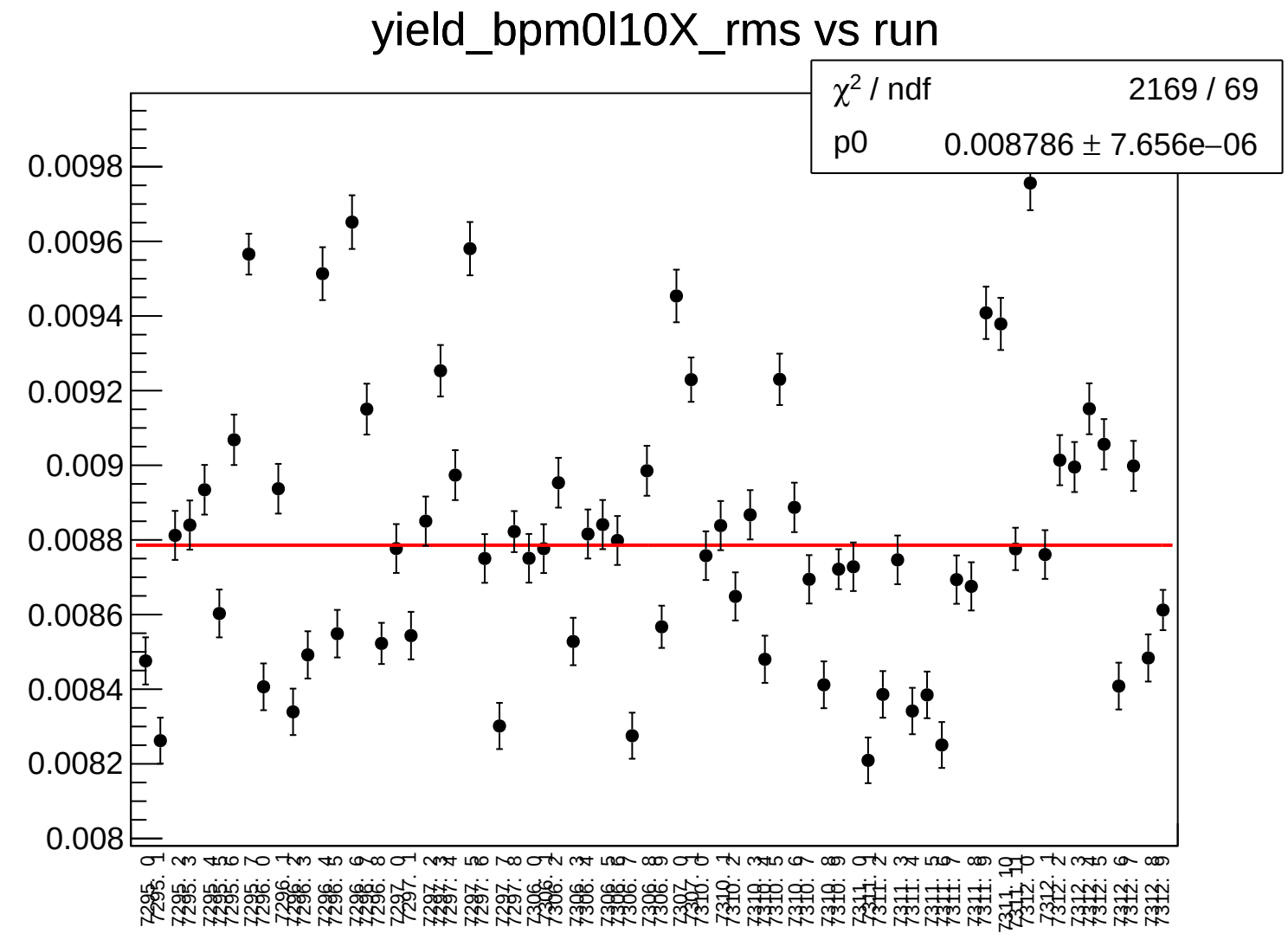

yield_bpm0l09X_rms vs run
χ² / ndf 3327 / 69
p0 0.009864 ± 8.599e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009

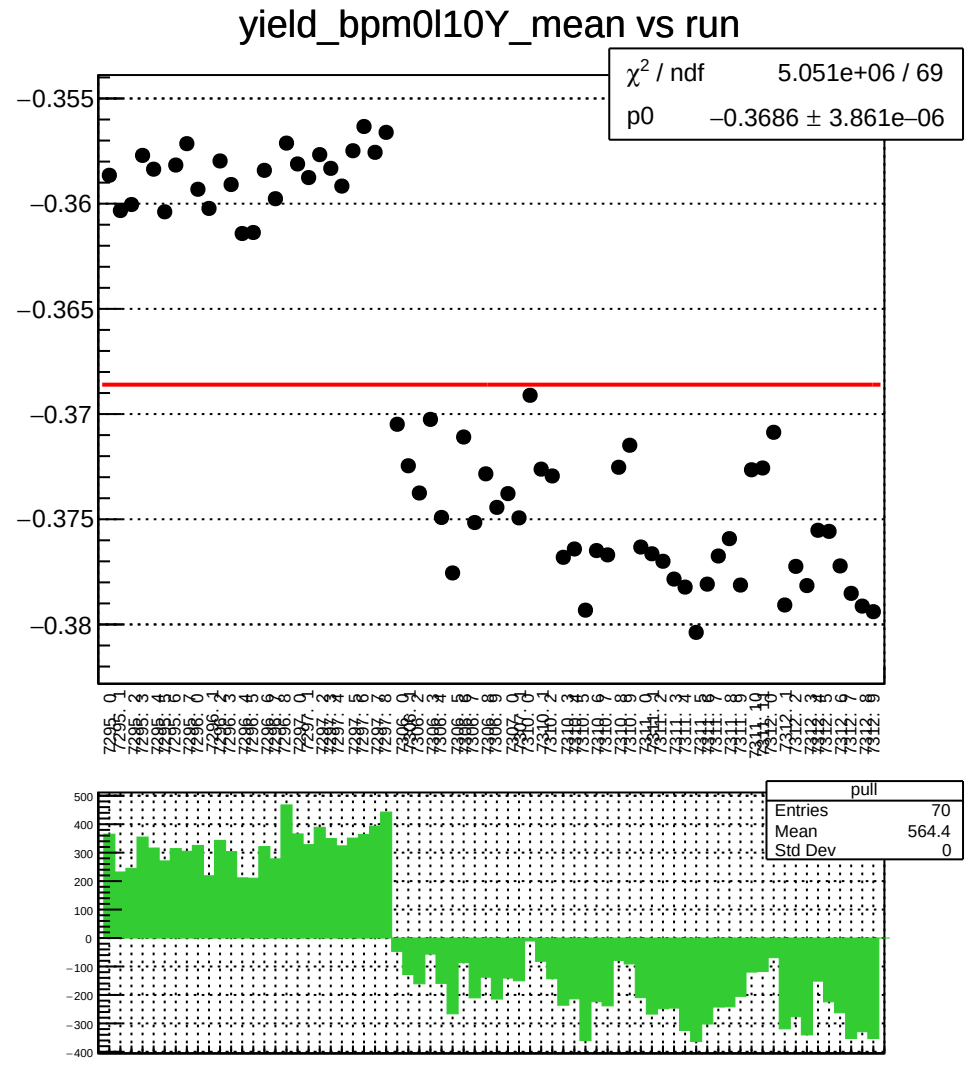

yield_bpm0l09Y_mean vs run
χ² / ndf 4.384e+06 / 69
p0 0.1705 ± 3.619e−06
0.18
0.175
0.17
0.165
0.16
pull
Entries 70
Mean 497.5
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

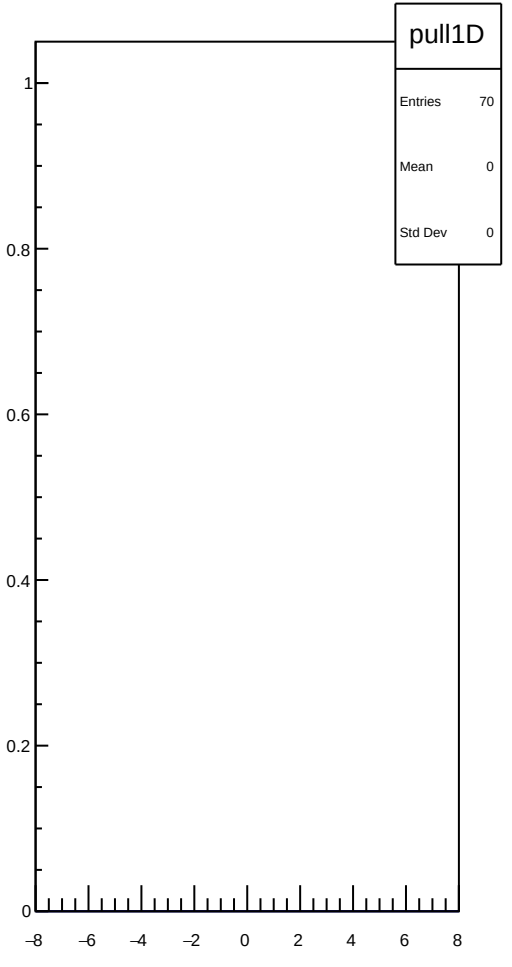

yield_bpm0l09Y_rms vs run
χ² / ndf 3.586e+04 / 69
p0 0.002899 ± 2.559e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

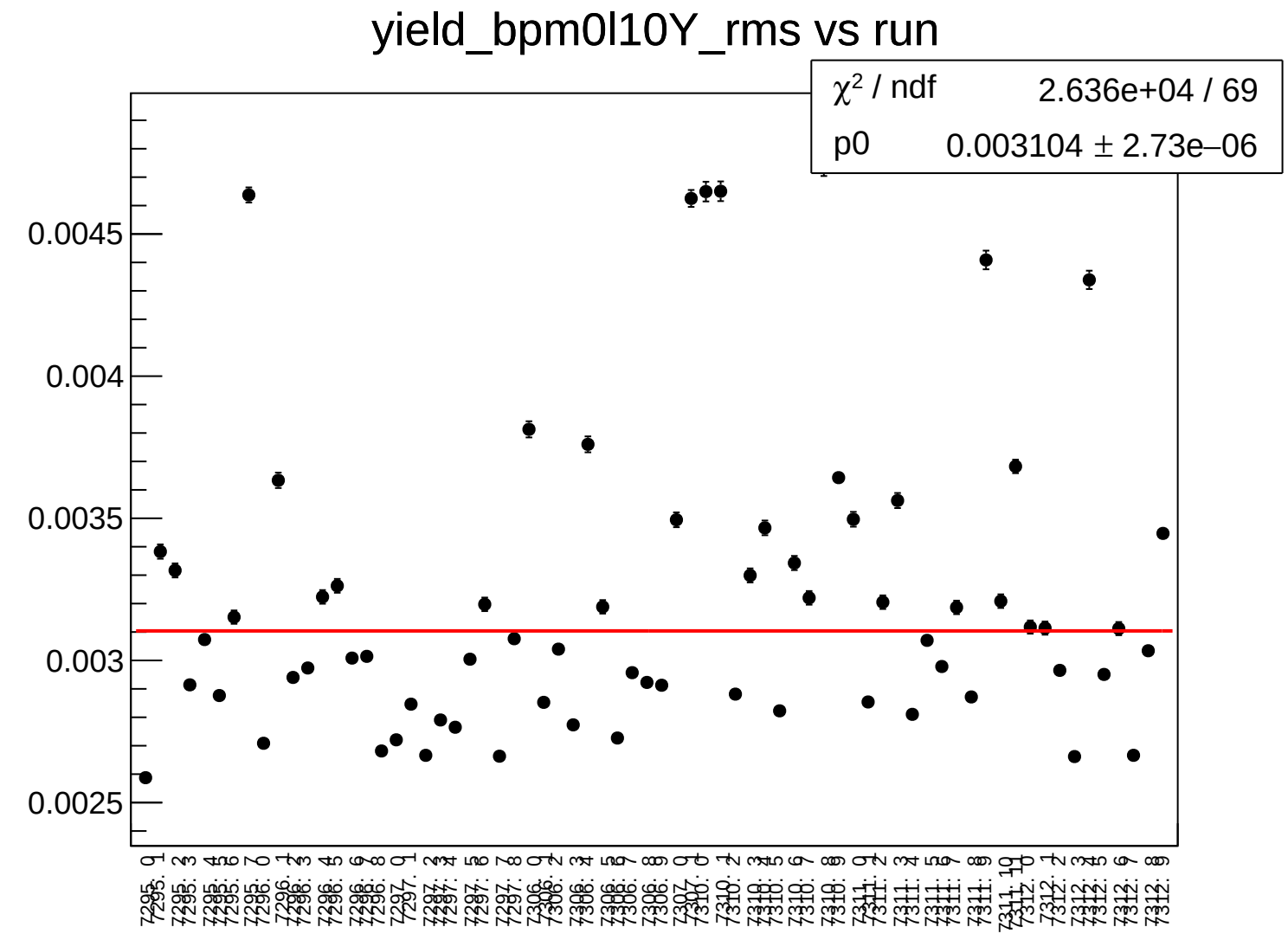

yield_bpm0l10X_mean vs run
χ² / ndf 6.6e+04 / 69
p0 −0.9509 ± 1.083e−05
−0.942
−0.944
−0.946
−0.948
−0.95
−0.952
−0.954
−0.956
−0.958
pull
Entries 70
Mean 6418
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

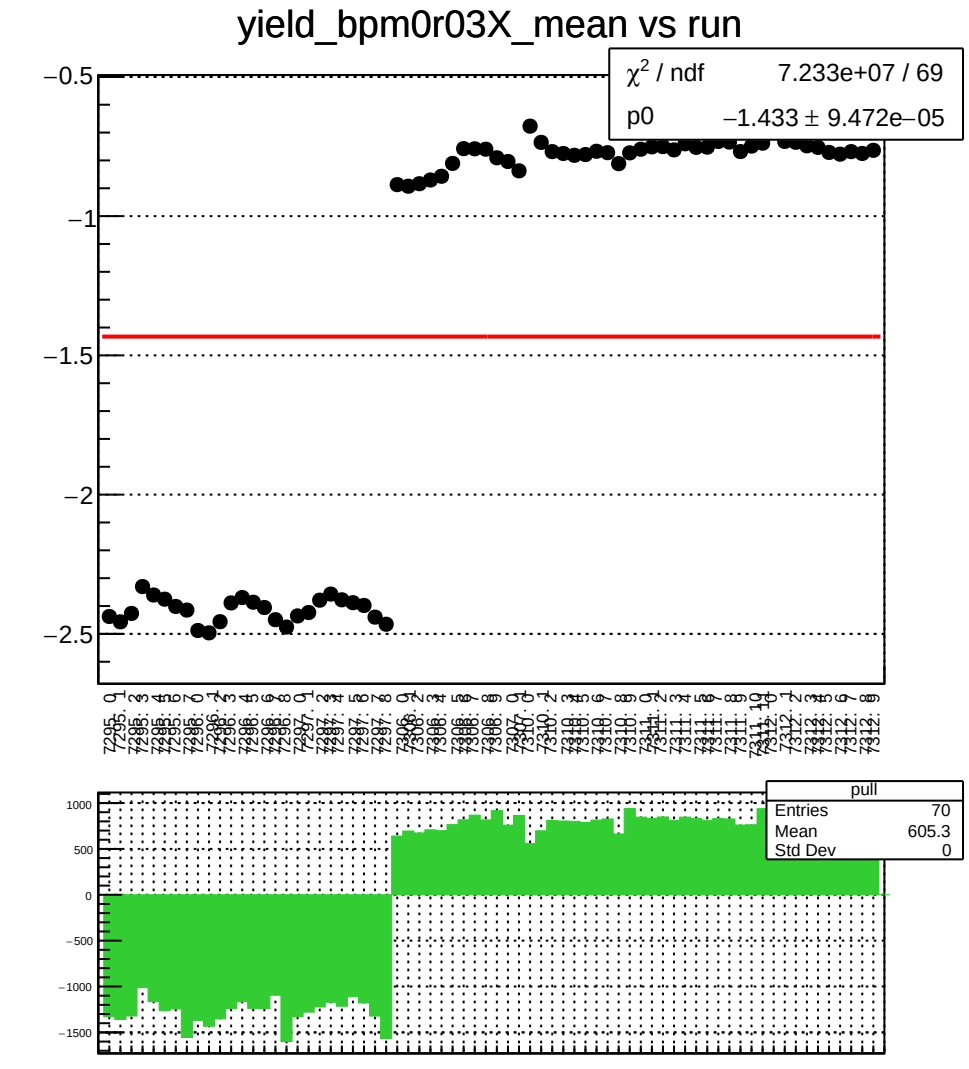

pull1D
Entries 70
Mean 2.588
Std Dev 3.686
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

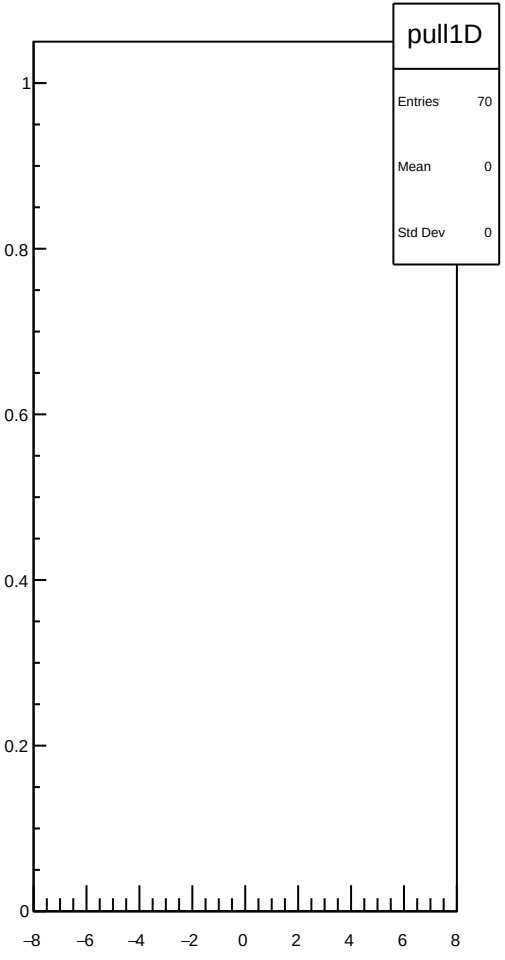

yield_bpm0l10X_rms vs run
χ² / ndf 2169 / 69
p0 0.008786 ± 7.656e−06
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008

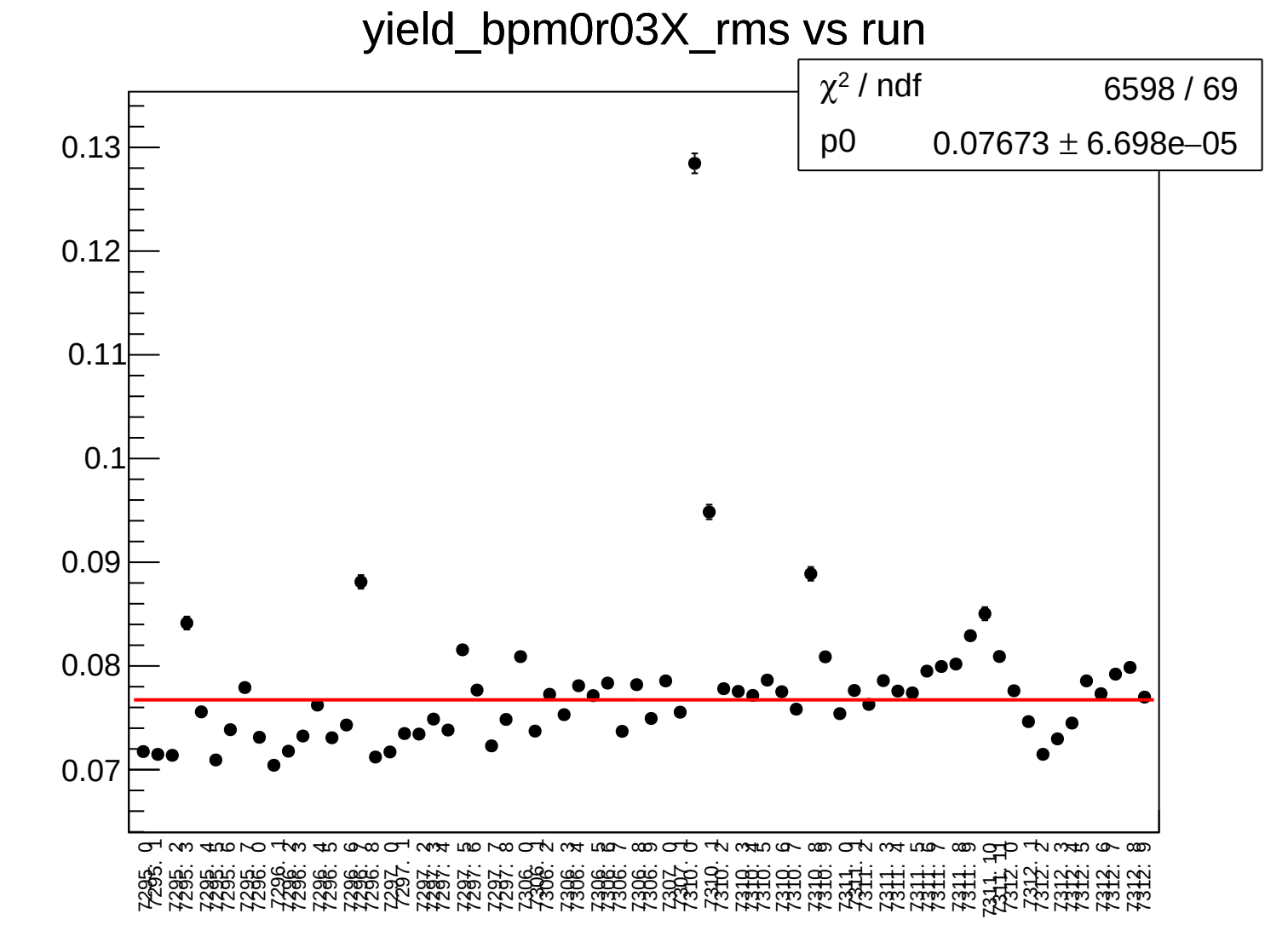

yield_bpm0l10Y_mean vs run
χ² / ndf 5.051e+06 / 69
p0 −0.3686 ± 3.861e−06
−0.355
−0.36
−0.365
−0.37
−0.375
−0.38
pull
Entries 70
Mean 564.4
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

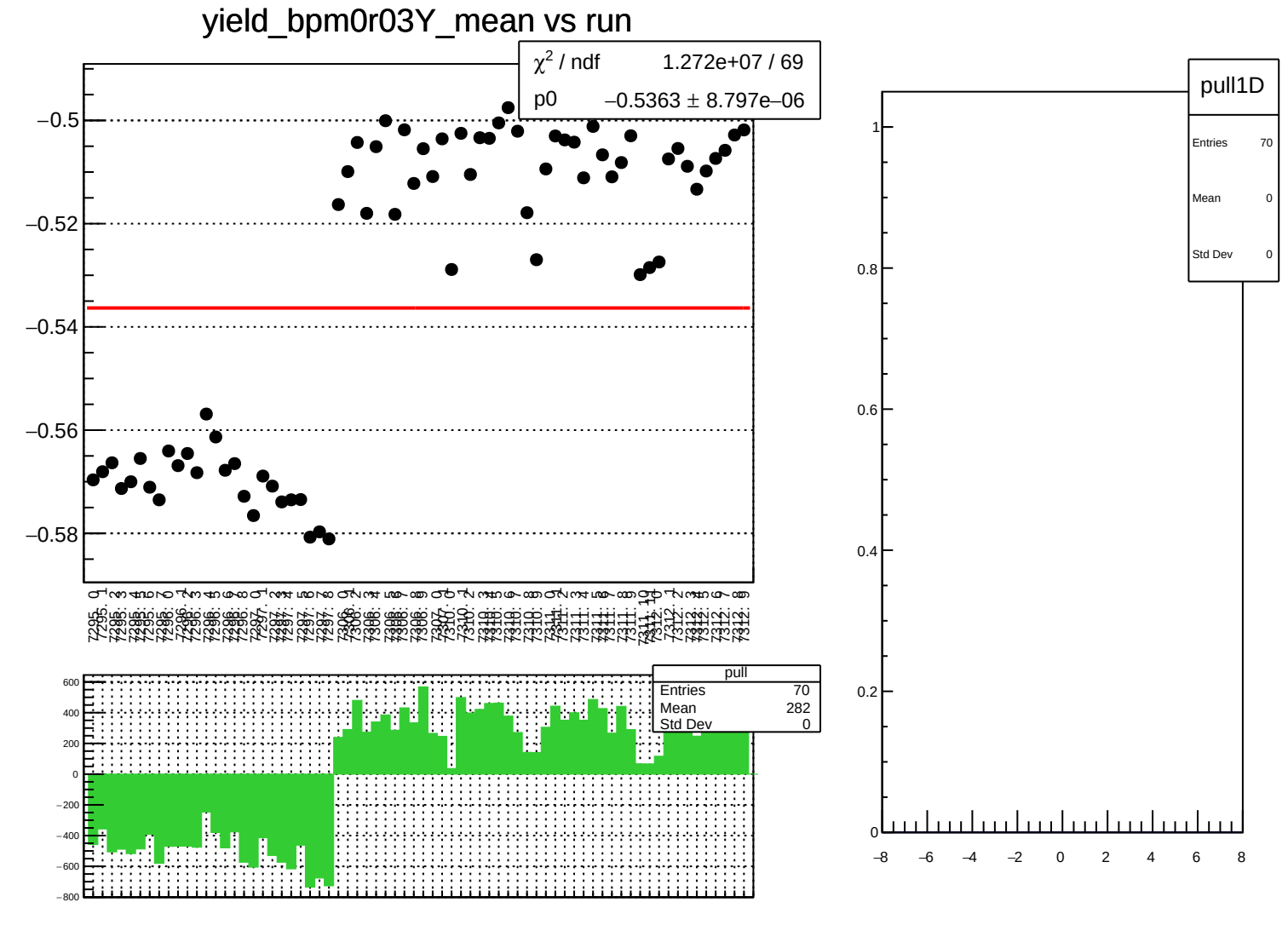

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

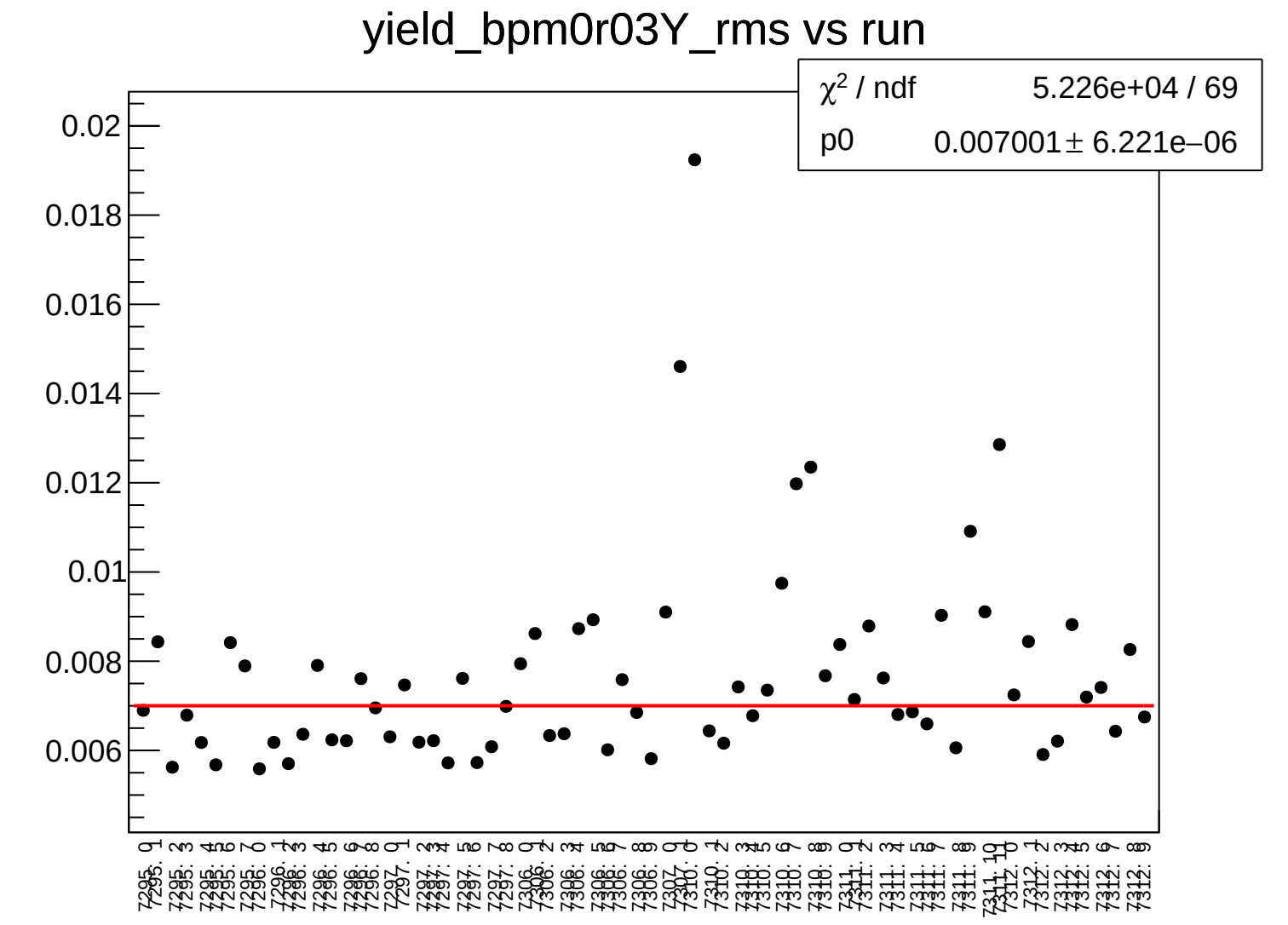

yield_bpm0l10Y_rms vs run
χ² / ndf 2.636e+04 / 69
p0 0.003104 ± 2.73e−06
0.0045
0.004
0.0035
0.003
0.0025

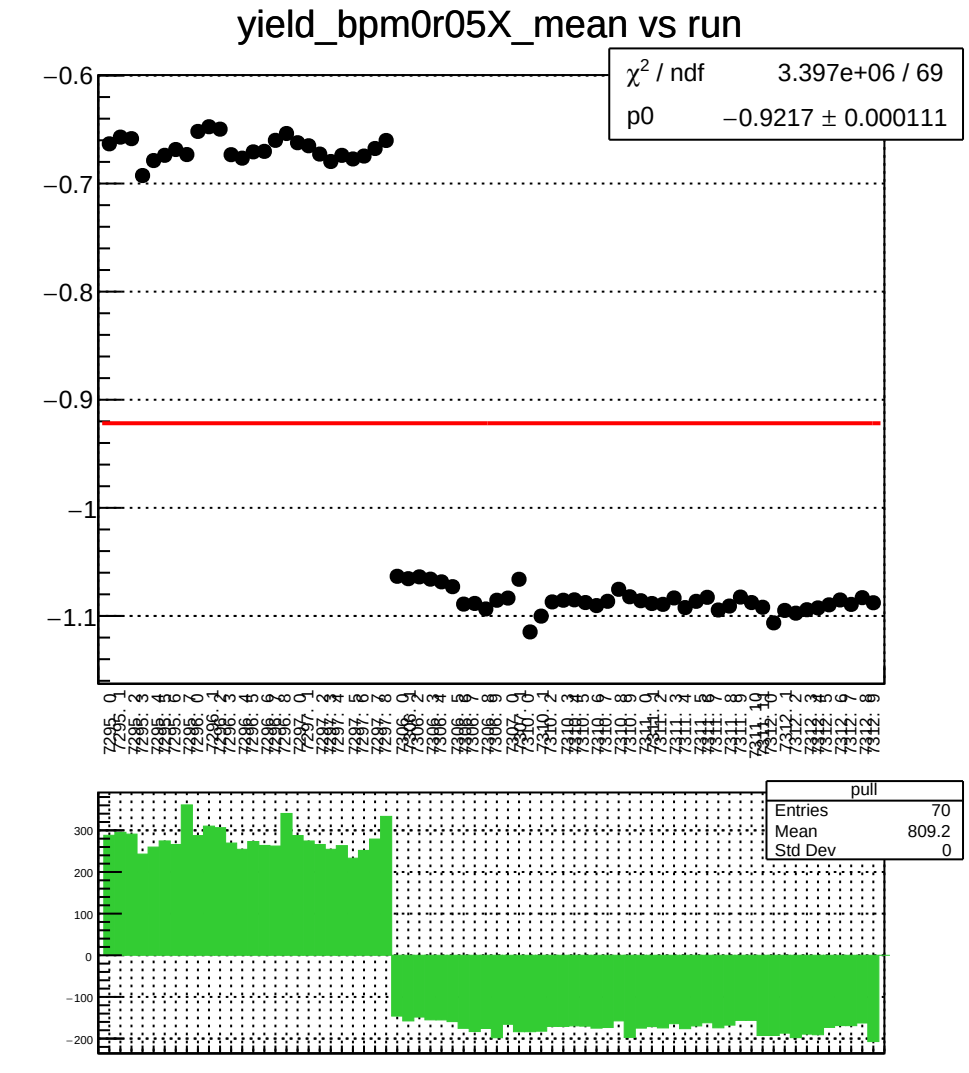

yield_bpm0r03X_mean vs run
χ² / ndf 7.233e+07 / 69
p0 −1.433 ± 9.472e−05
−0.5
−1
−1.5
−2
−2.5
pull
Entries 70
Mean 605.3
Std Dev 0
1000
500
0
−500
−1000
−1500

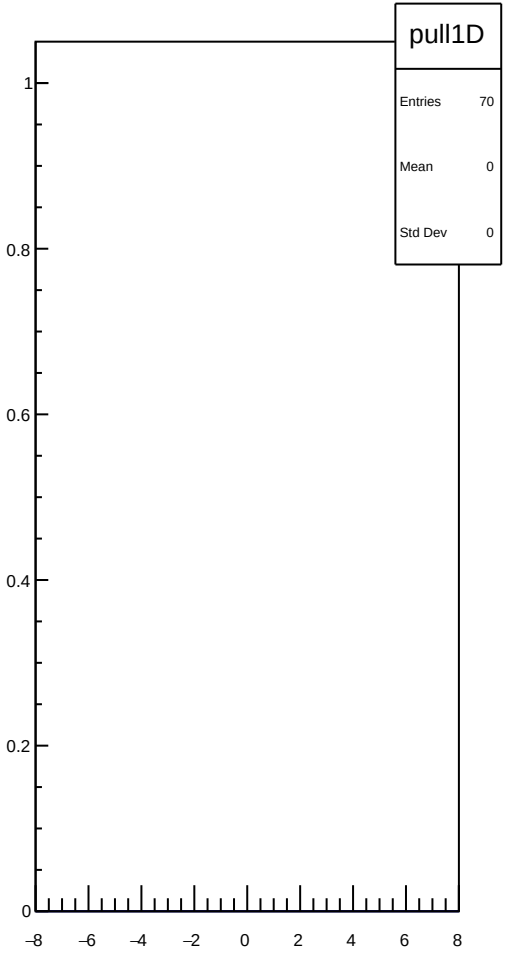

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

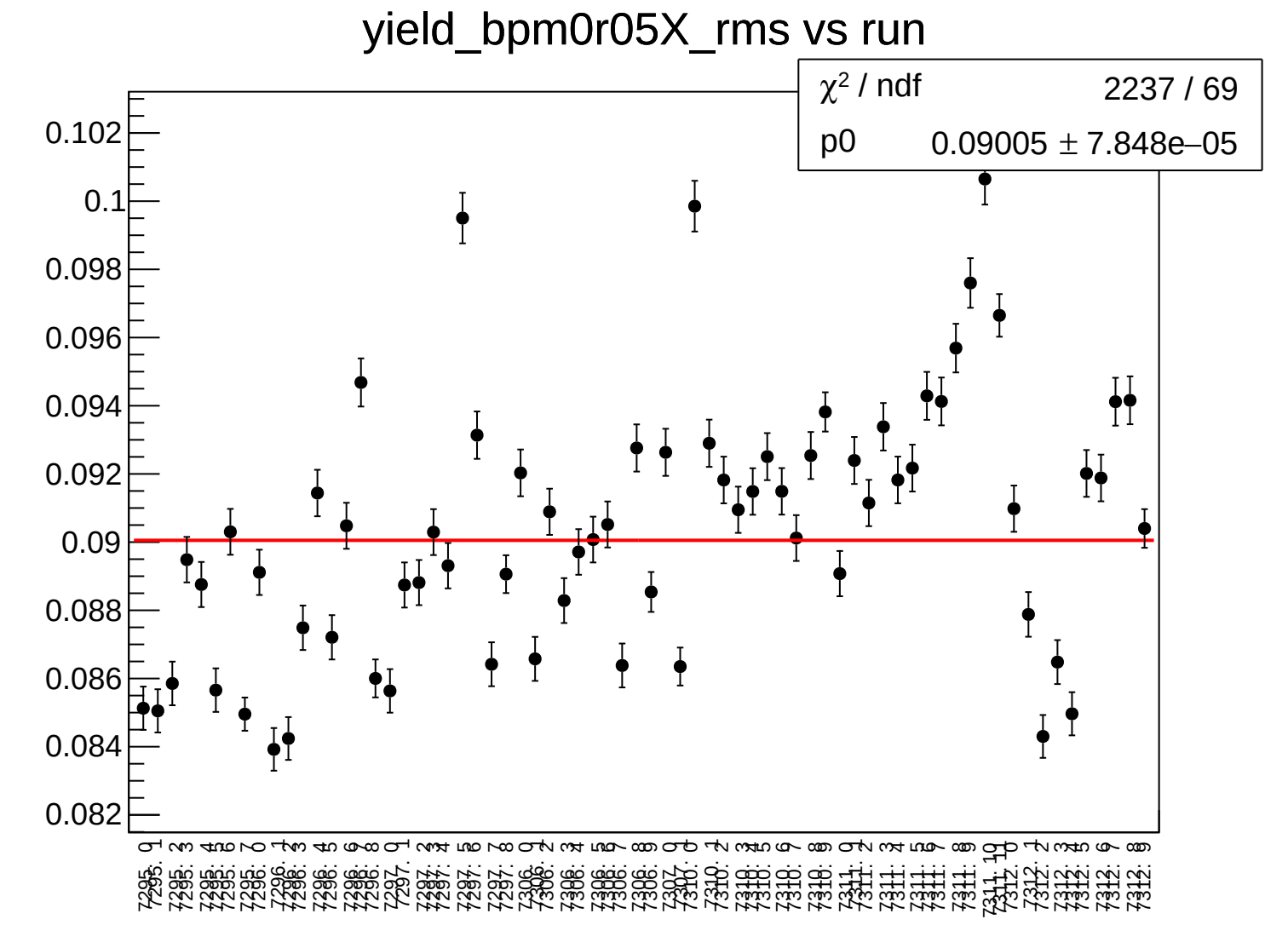

yield_bpm0r03X_rms vs run
χ² / ndf 6598 / 69
p0 0.07673 ± 6.698e–05
0.13
0.12
0.11
0.1
0.09
0.08
0.07

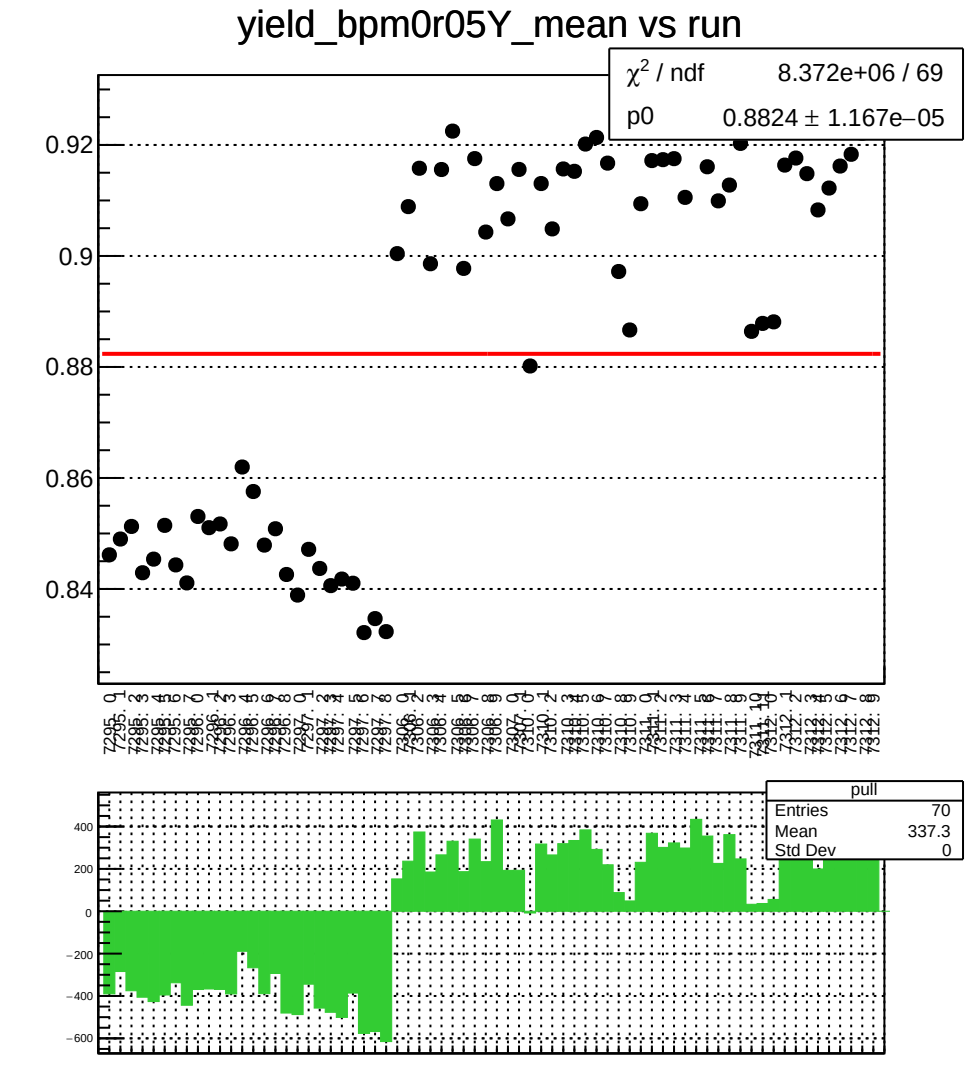

yield_bpm0r03Y_mean vs run
χ² / ndf 1.272e+07 / 69
p0 −0.5363 ± 8.797e−06
−0.5
−0.52
−0.54
−0.56
−0.58
pull
Entries 70
Mean 282
Std Dev 0
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

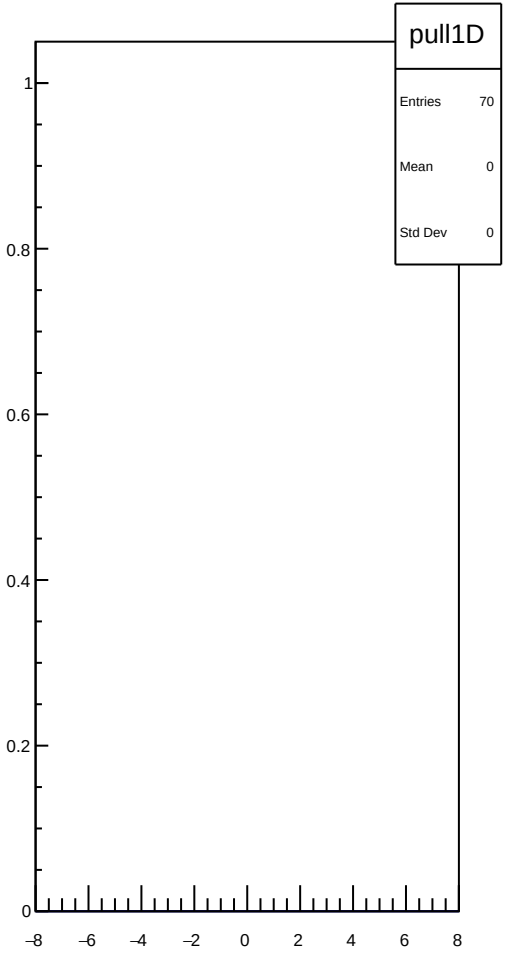

yield_bpm0r03Y_rms vs run
χ² / ndf 5.226e+04 / 69
p0 0.007001 ± 6.221e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

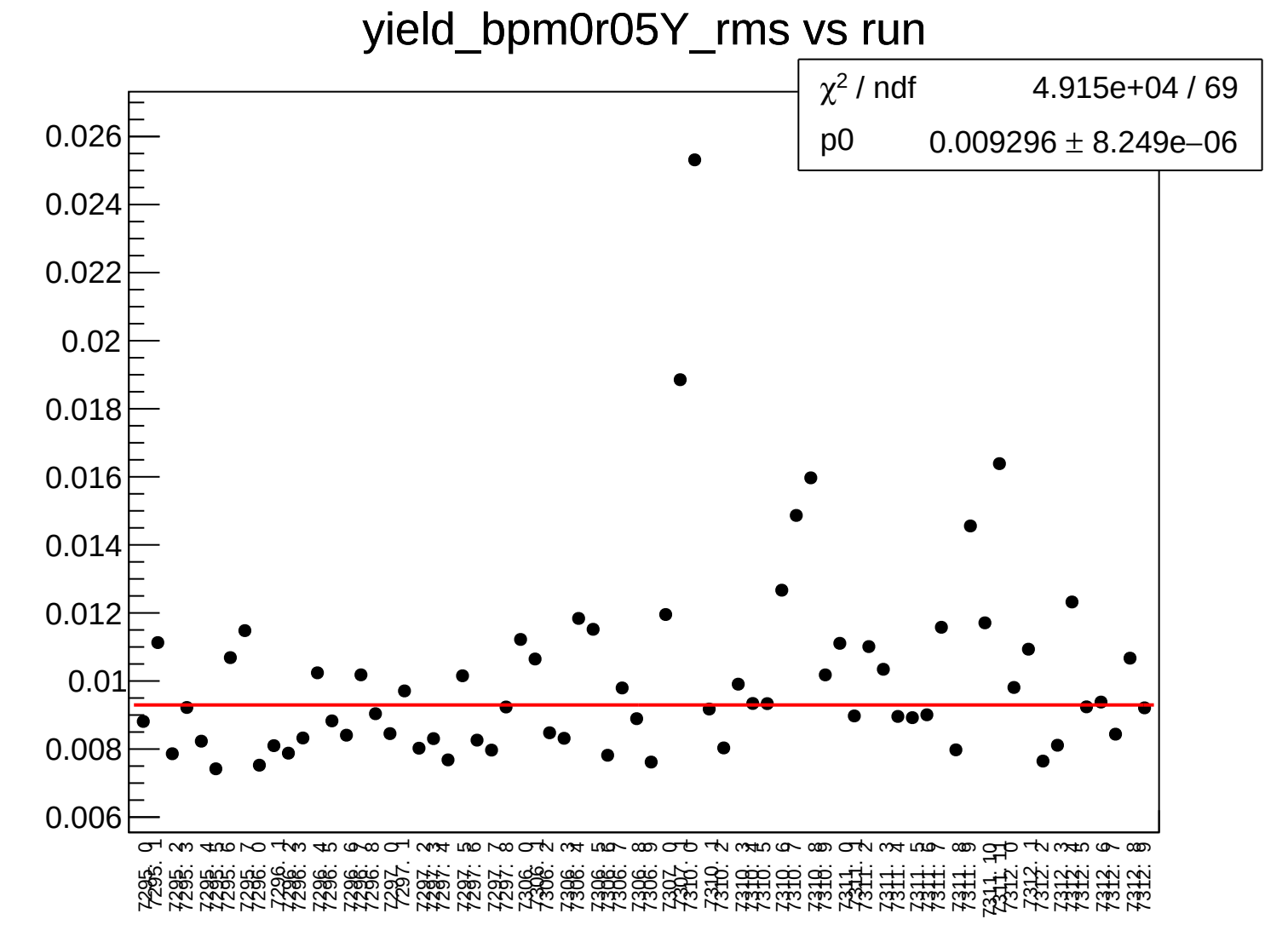

yield_bpm0r05X_mean vs run
χ² / ndf 3.397e+06 / 69
p0 −0.9217 ± 0.000111
−0.6
−0.7
−0.8
−0.9
−1
−1.1
pull
Entries 70
Mean 809.2
Std Dev 0
300
200
100
0
−100
−200

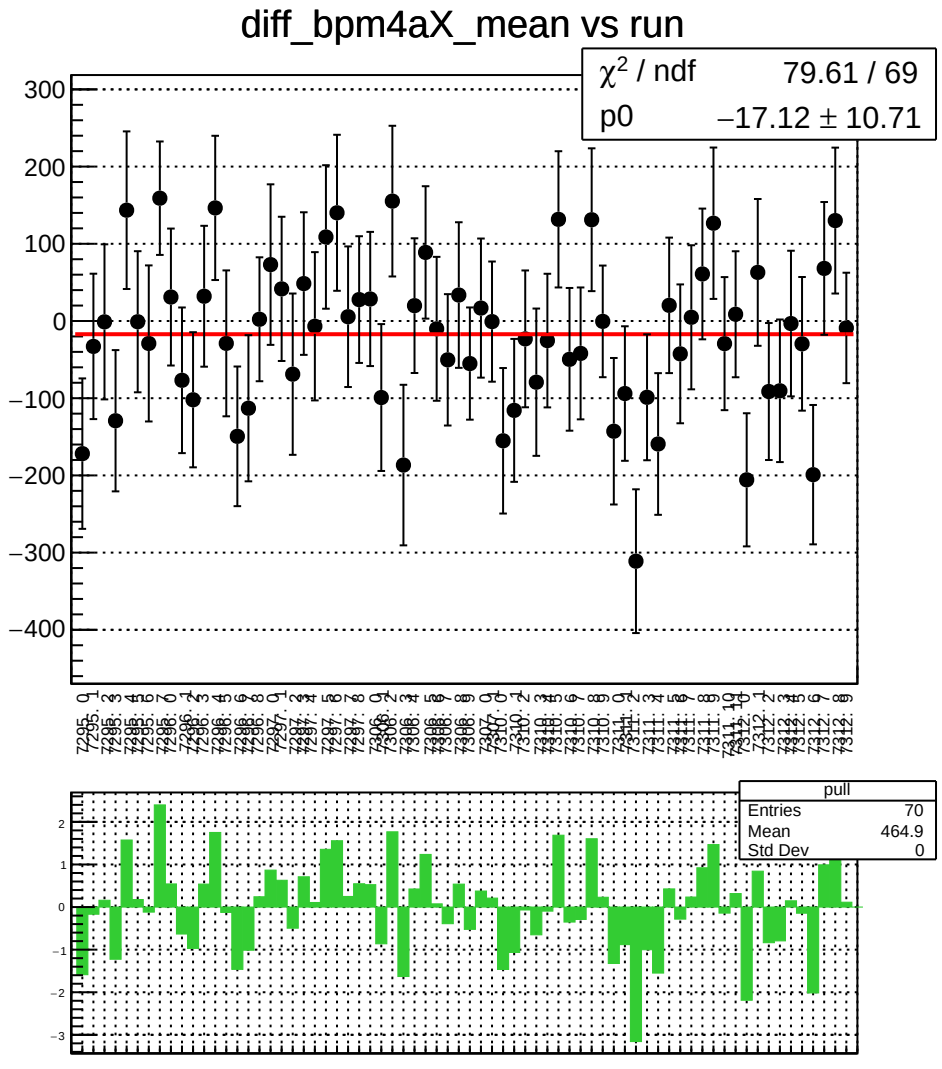

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

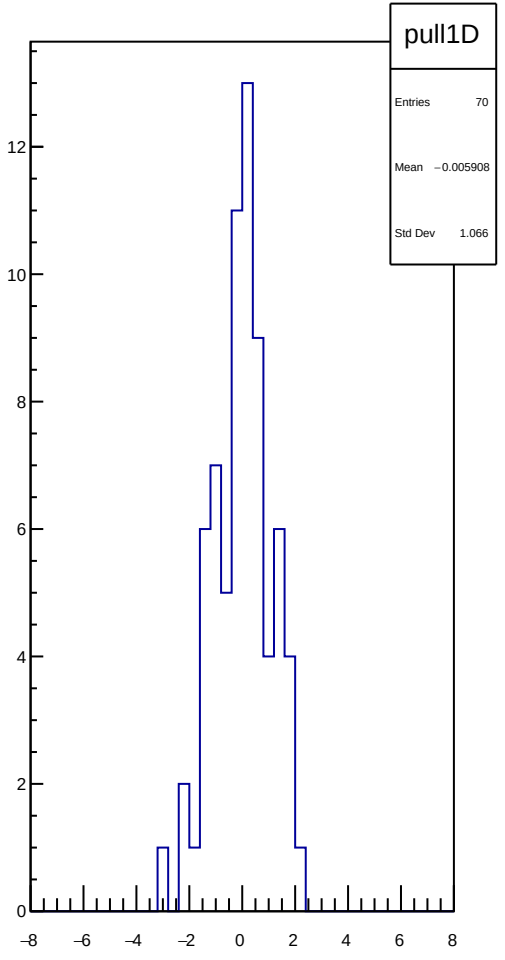

yield_bpm0r05X_rms vs run
χ² / ndf 2237 / 69
p0 0.09005 ± 7.848e–05
0.102
0.1
0.098
0.096
0.094
0.092
0.09
0.088
0.086
0.084
0.082

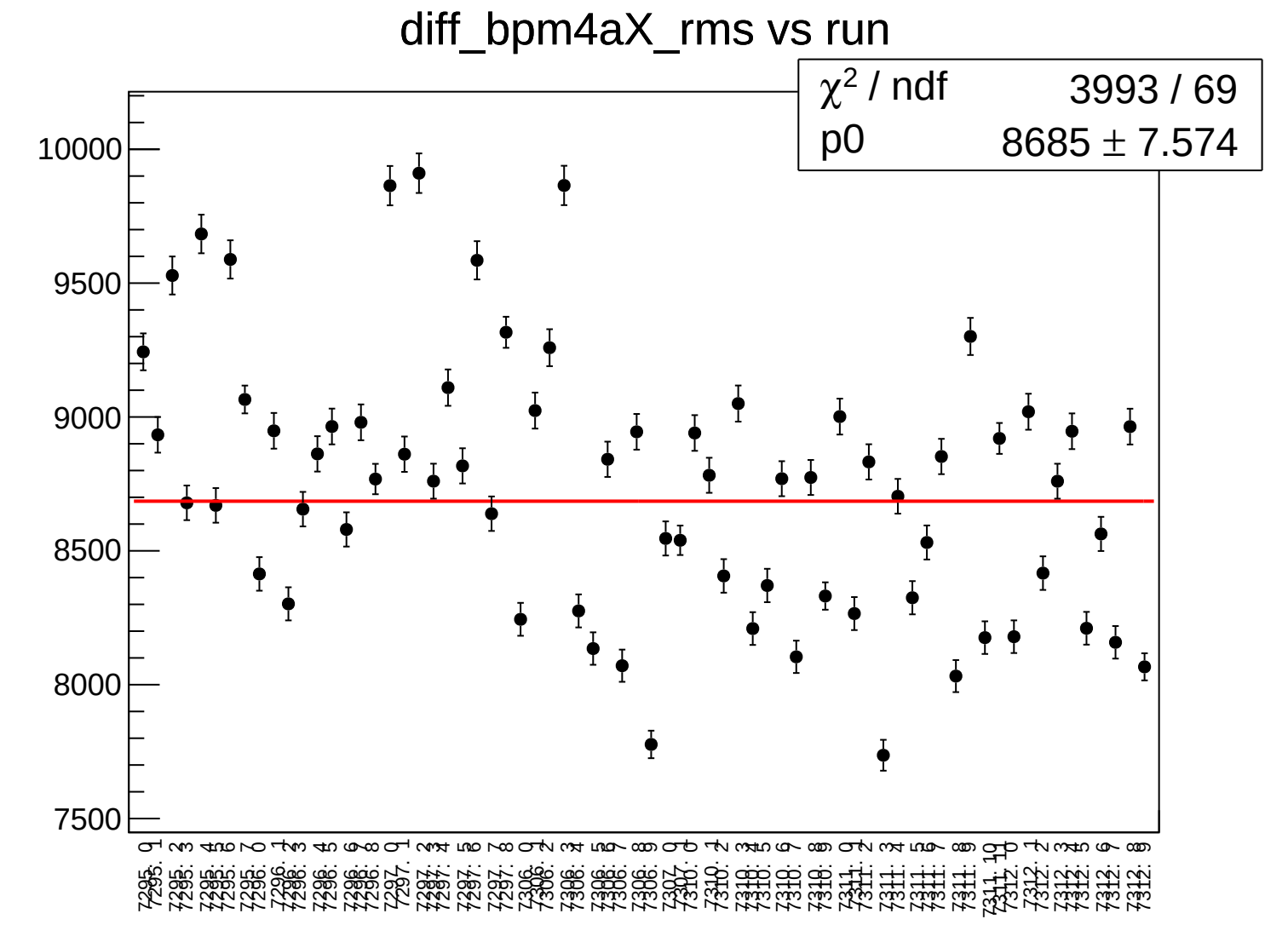

yield_bpm0r05Y_mean vs run
χ² / ndf 8.372e+06 / 69
p0 0.8824 ± 1.167e−05
0.92
0.9
0.88
0.86
0.84
pull
Entries 70
Mean 337.3
Std Dev 0
400
200
0
−200
−400
−600

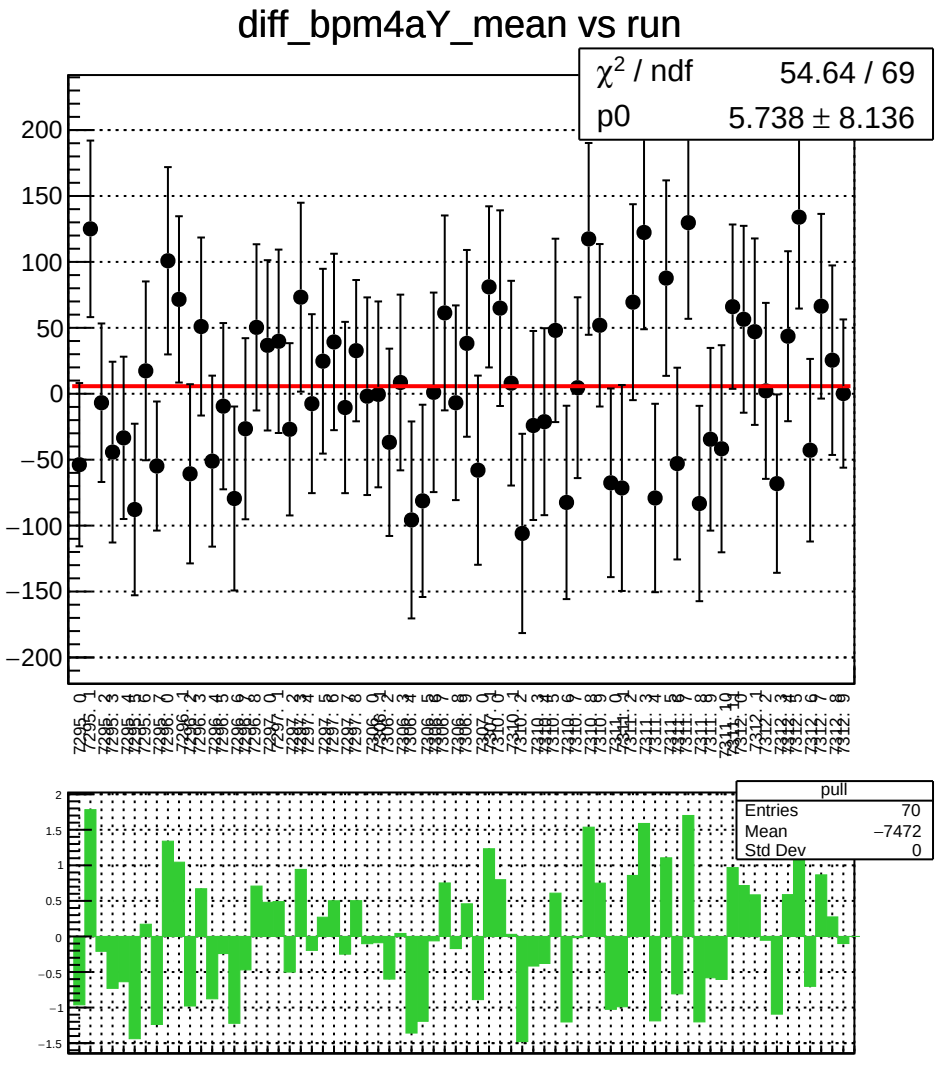

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

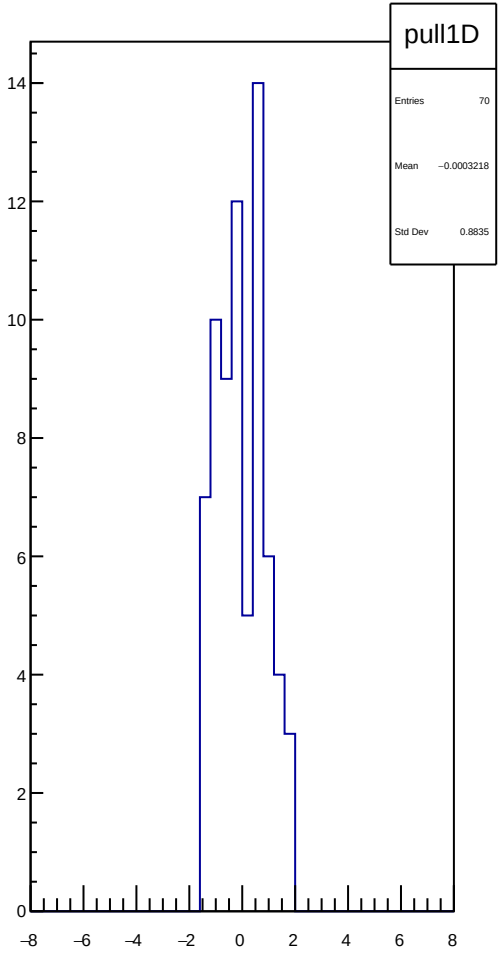

yield_bpm0r05Y_rms vs run
χ² / ndf 4.915e+04 / 69
p0 0.009296 ± 8.249e−06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

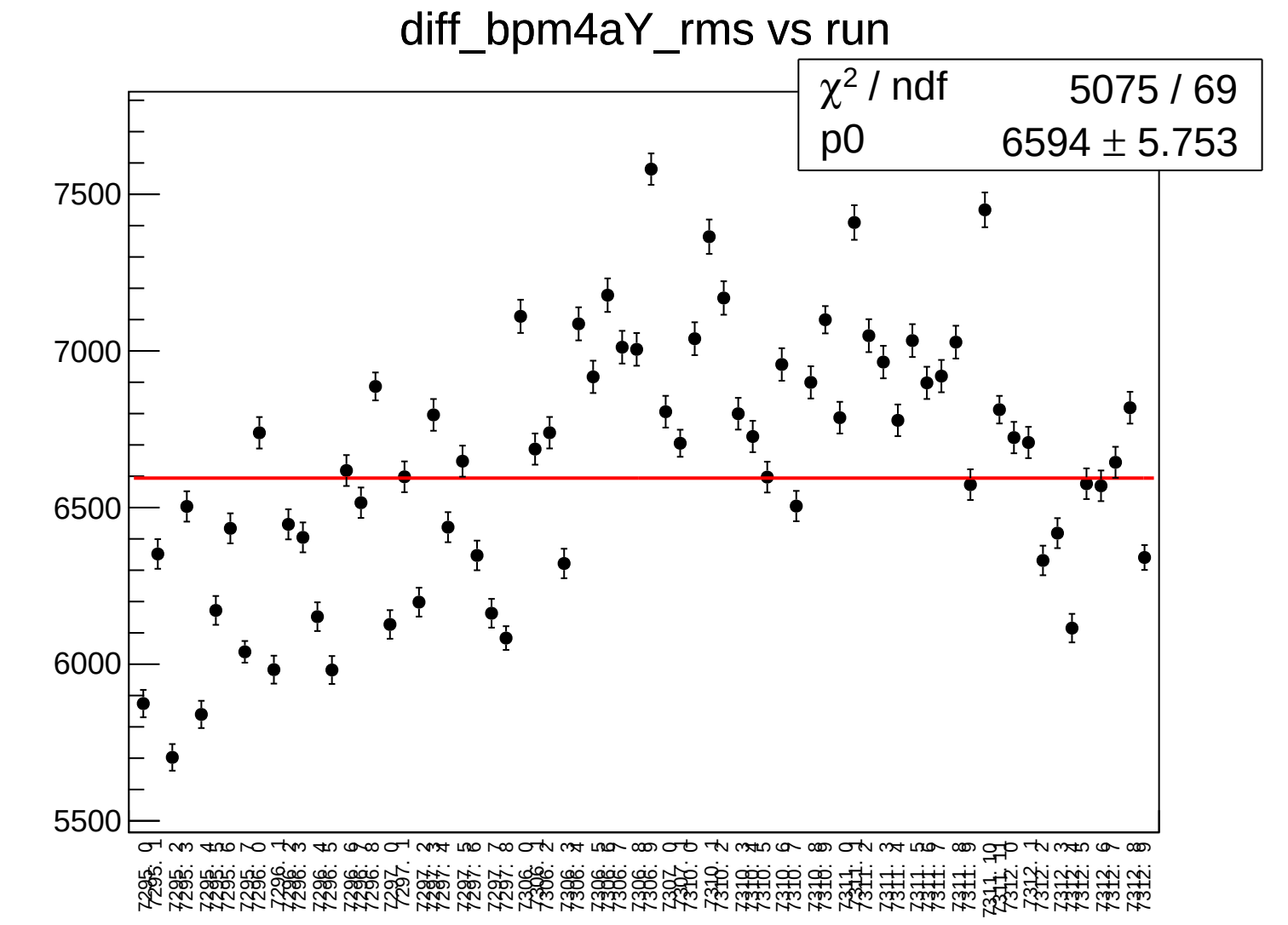

diff_bpm4aX_mean vs run
χ^2 / ndf 79.61 / 69
p0 −17.12 ± 10.71
pull
Entries 70
Mean 464.9
Std Dev 0

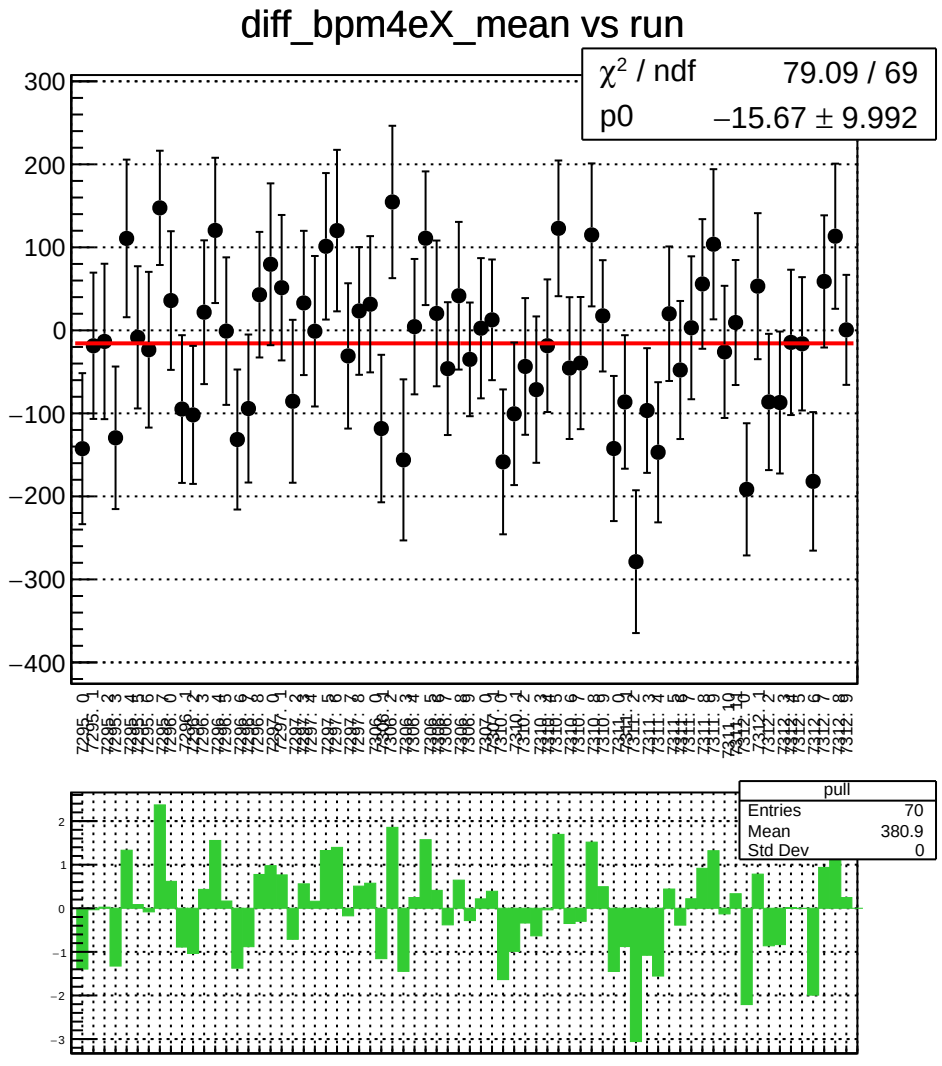

pull1D
Entries 70
Mean −0.005908
Std Dev 1.066

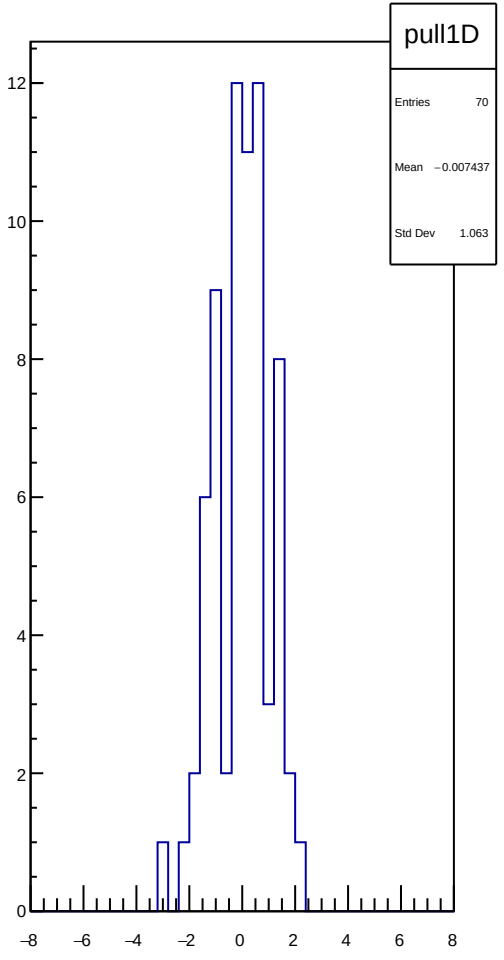

diff_bpm4aX_rms vs run
χ^2 / ndf 3993 / 69
p0 8685 ± 7.574
10000
9500
9000
8500
8000
7500

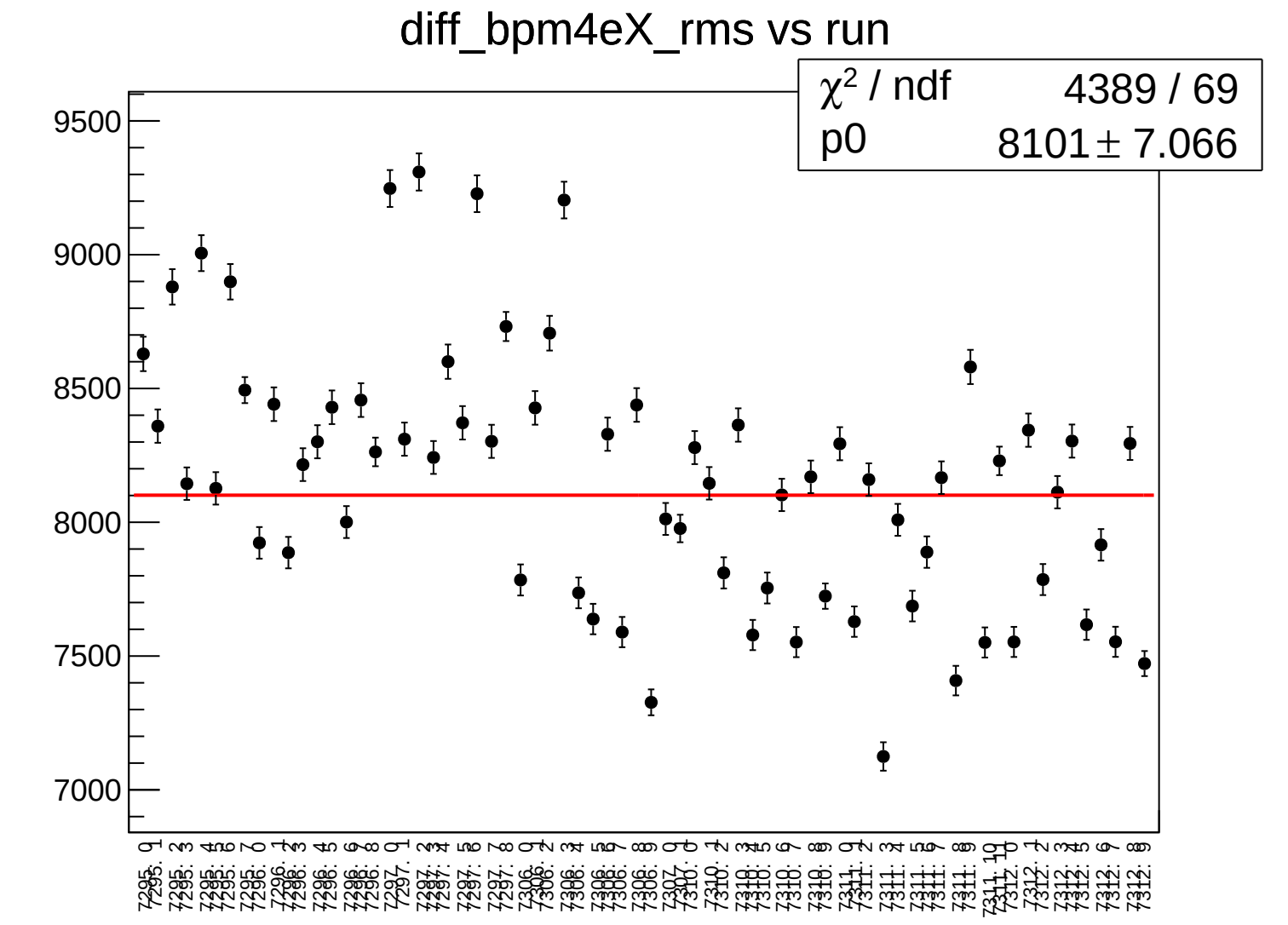

diff_bpm4aY_mean vs run
χ^2 / ndf 54.64 / 69
p0 5.738 ± 8.136
pull
Entries 70
Mean −7472
Std Dev 0

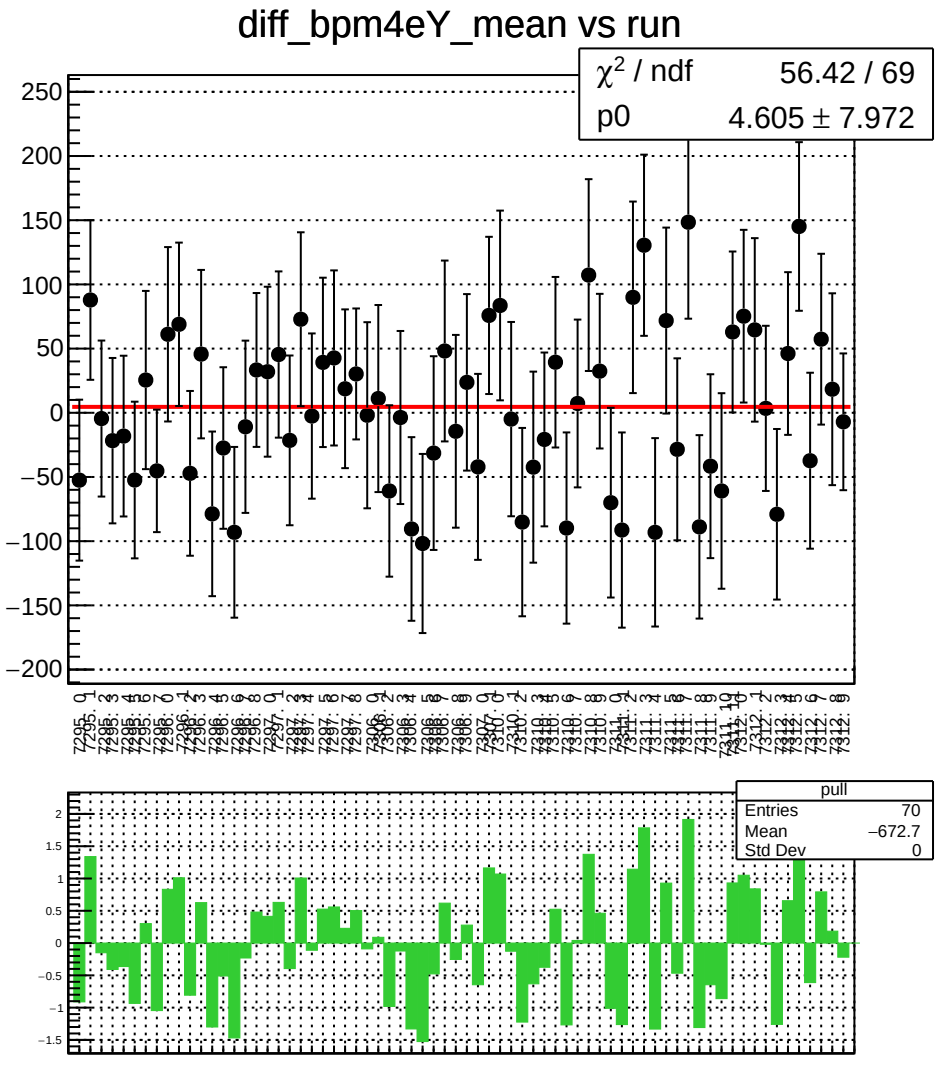

pull1D
Entries 70
Mean −0.0003218
Std Dev 0.8835

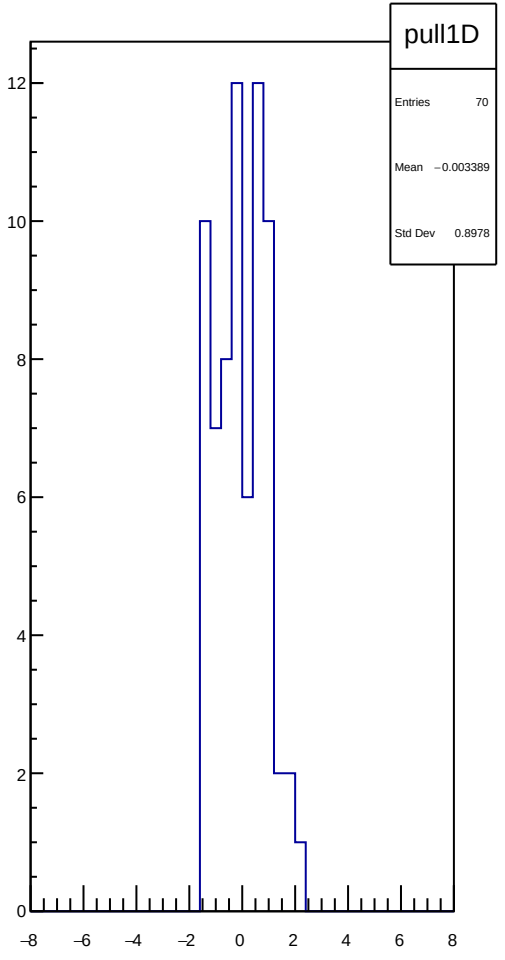

diff_bpm4aY_rms vs run
χ^2 / ndf 5075 / 69
p0 6594 ± 5.753
7500
7000
6500
6000
5500

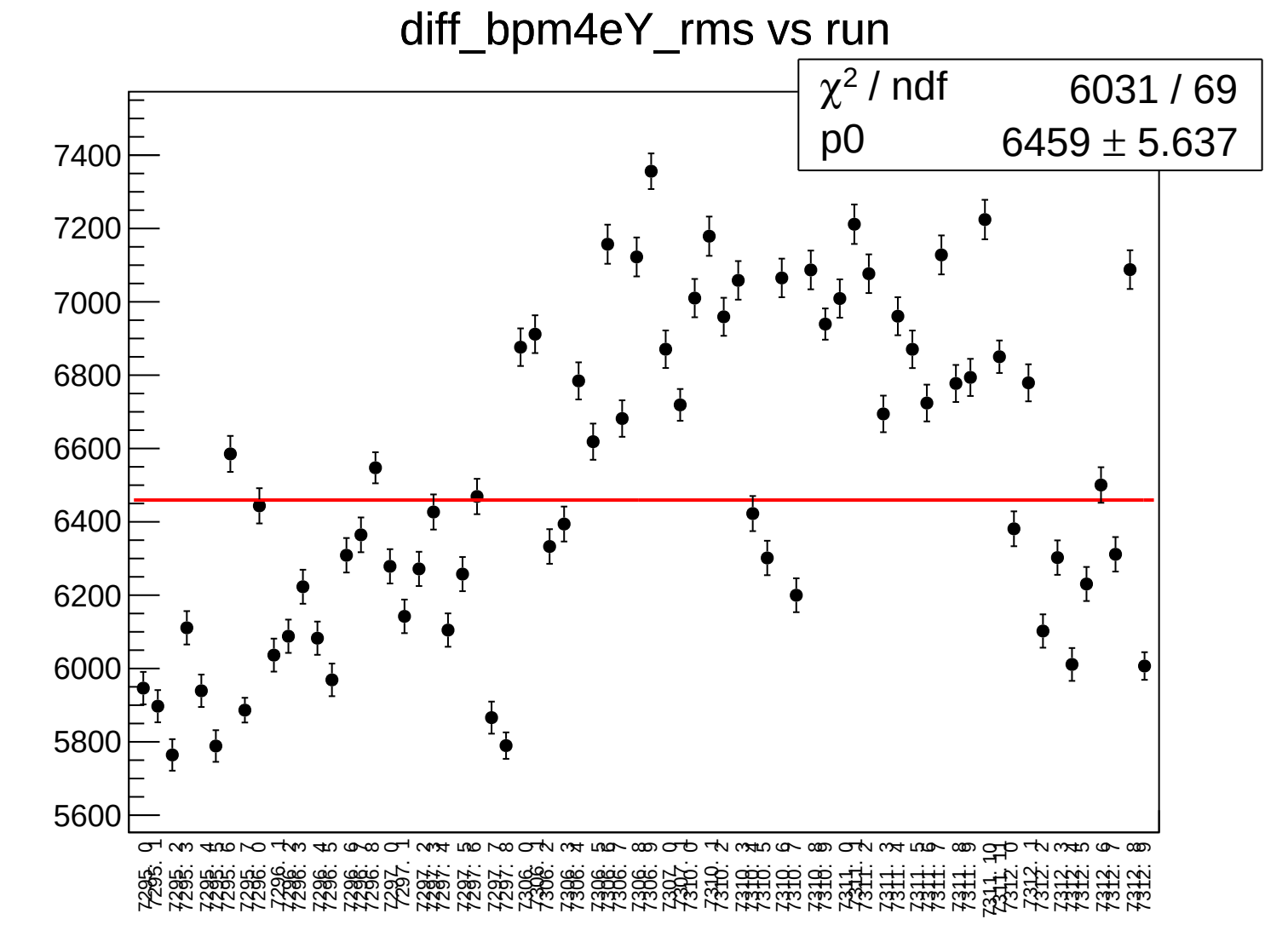

diff_bpm4eX_mean vs run
χ² / ndf 79.09 / 69
p0 −15.67 ± 9.992
pull
Entries 70
Mean 380.9
Std Dev 0

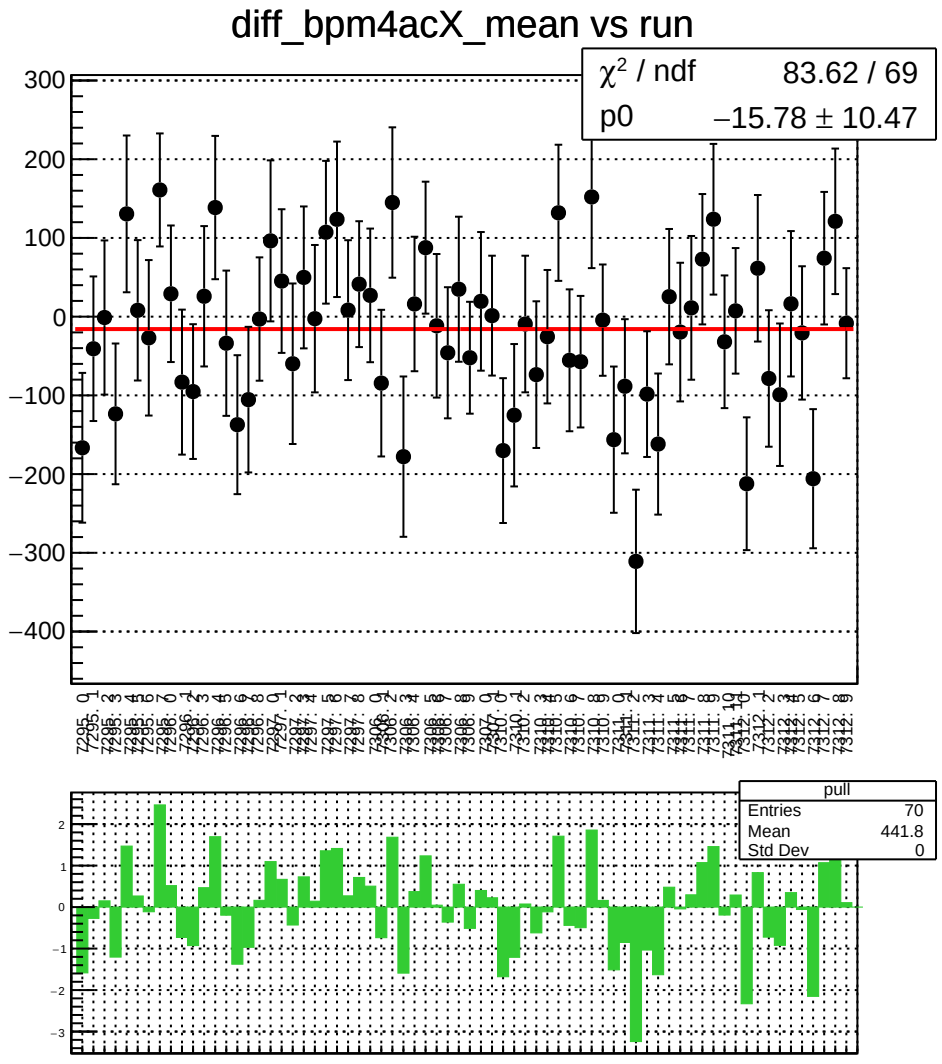

pull1D
Entries 70
Mean −0.007437
Std Dev 1.063

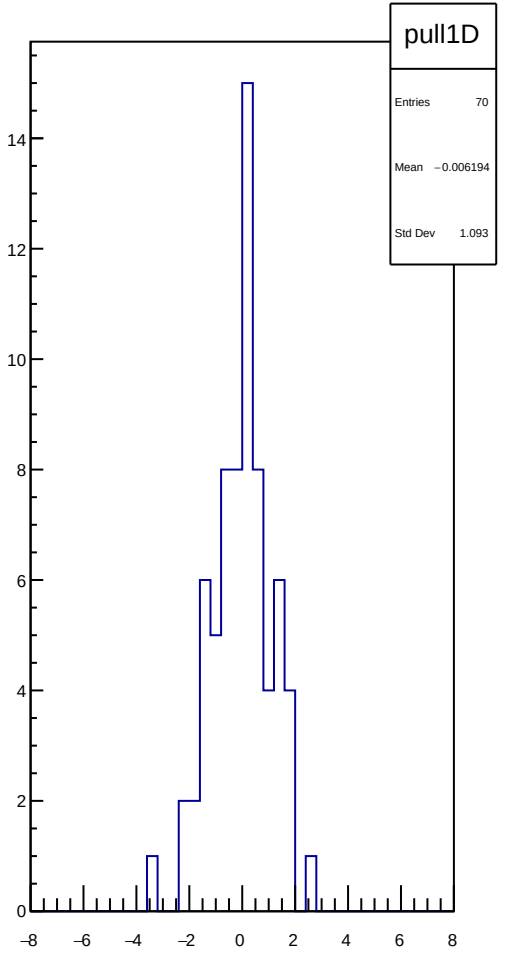

diff_bpm4eX_rms vs run
χ^2 / ndf 4389 / 69
p0 8101 ± 7.066
9500
9000
8500
8000
7500
7000

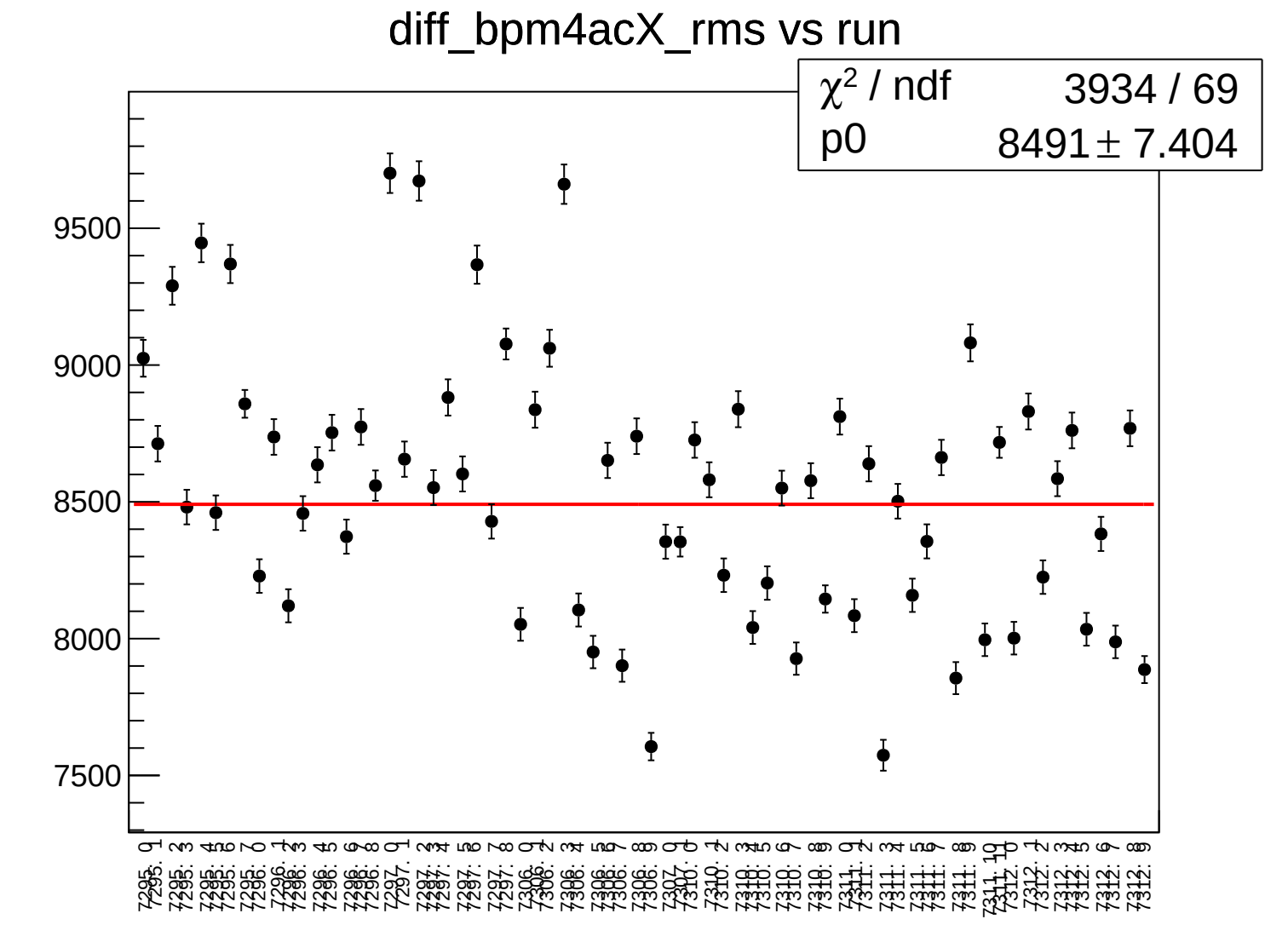

diff_bpm4eY_mean vs run
χ² / ndf 56.42 / 69
p0 4.605 ± 7.972
pull
Entries 70
Mean −672.7
Std Dev 0

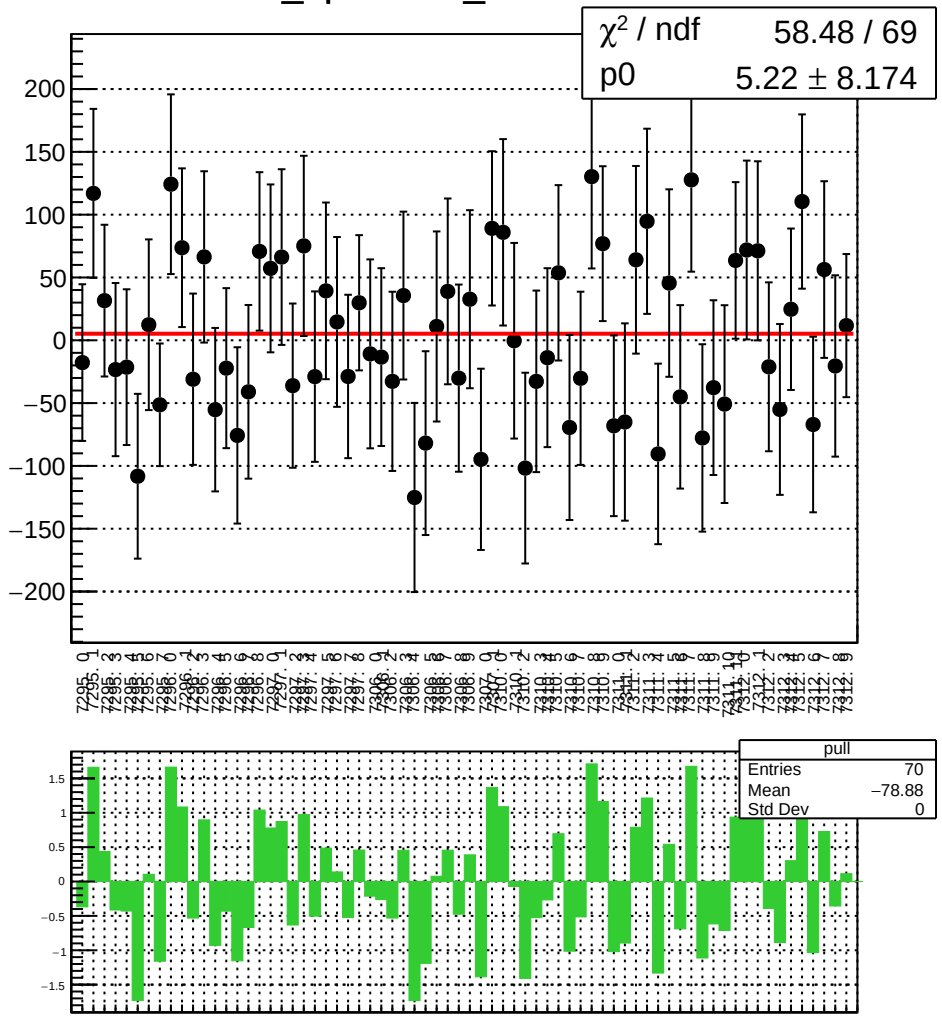

pull1D
Entries 70
Mean −0.003389
Std Dev 0.8978

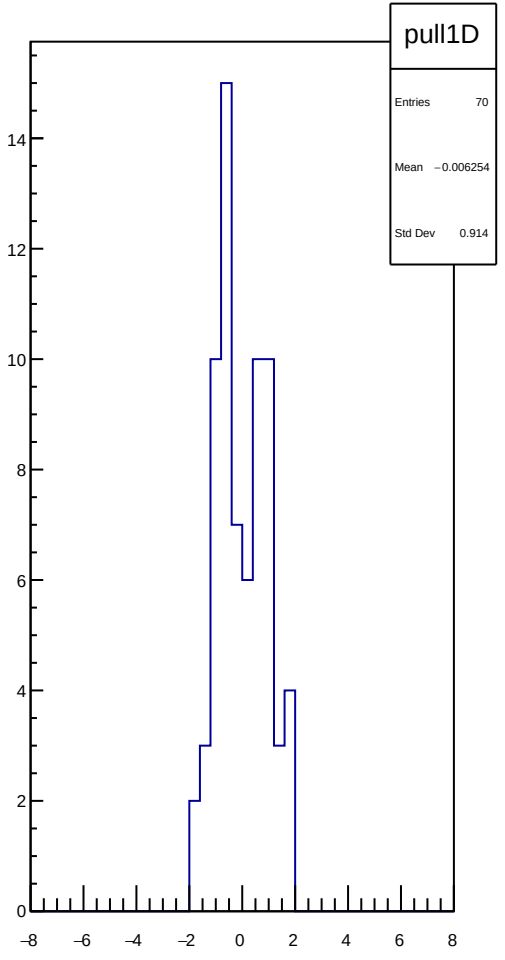

diff_bpm4eY_rms vs run
χ^2 / ndf 6031 / 69
p0 6459 ± 5.637
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

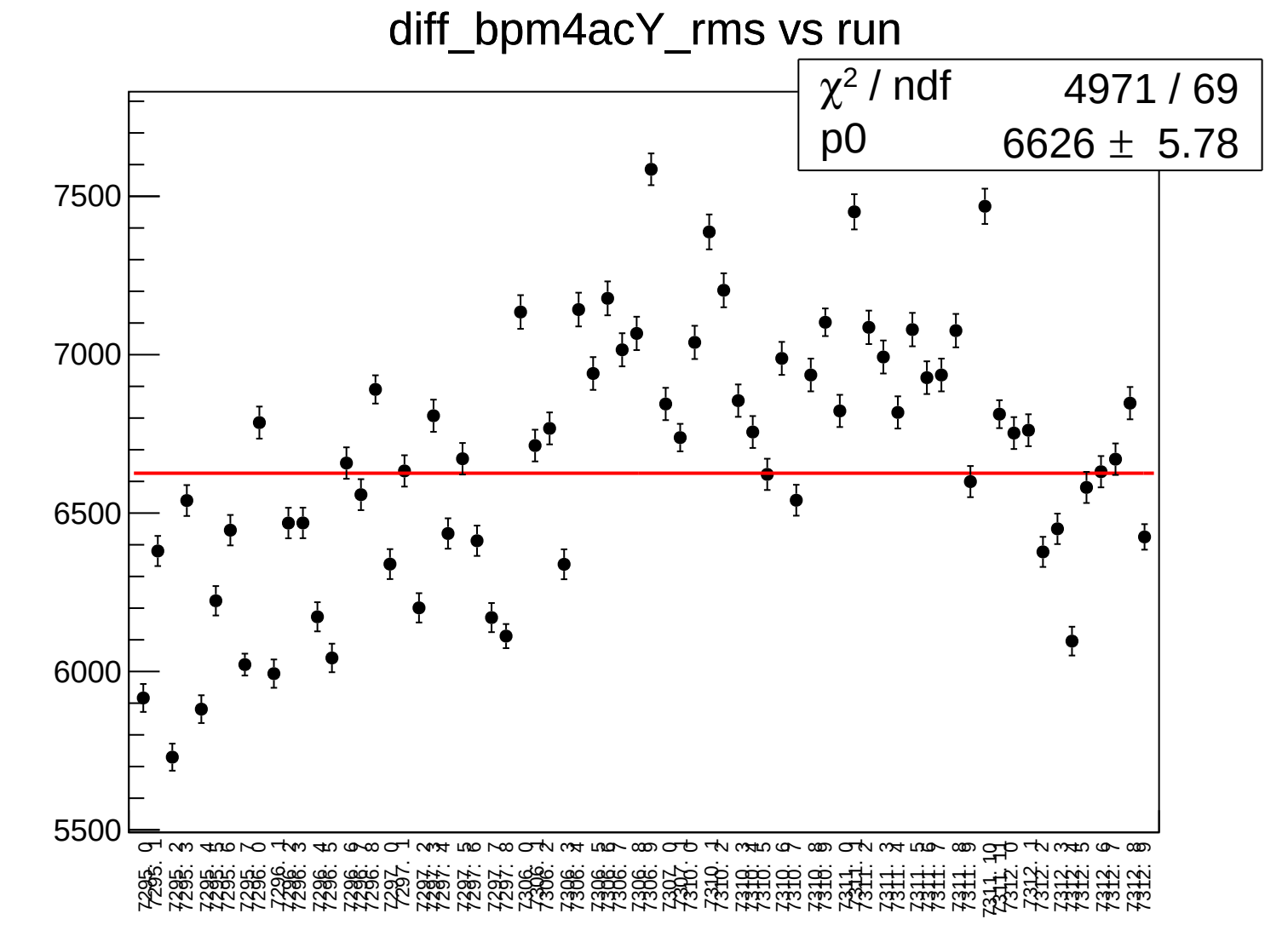

diff_bpm4acX_mean vs run
χ² / ndf 83.62 / 69
p0 −15.78 ± 10.47
pull
Entries 70
Mean 441.8
Std Dev 0

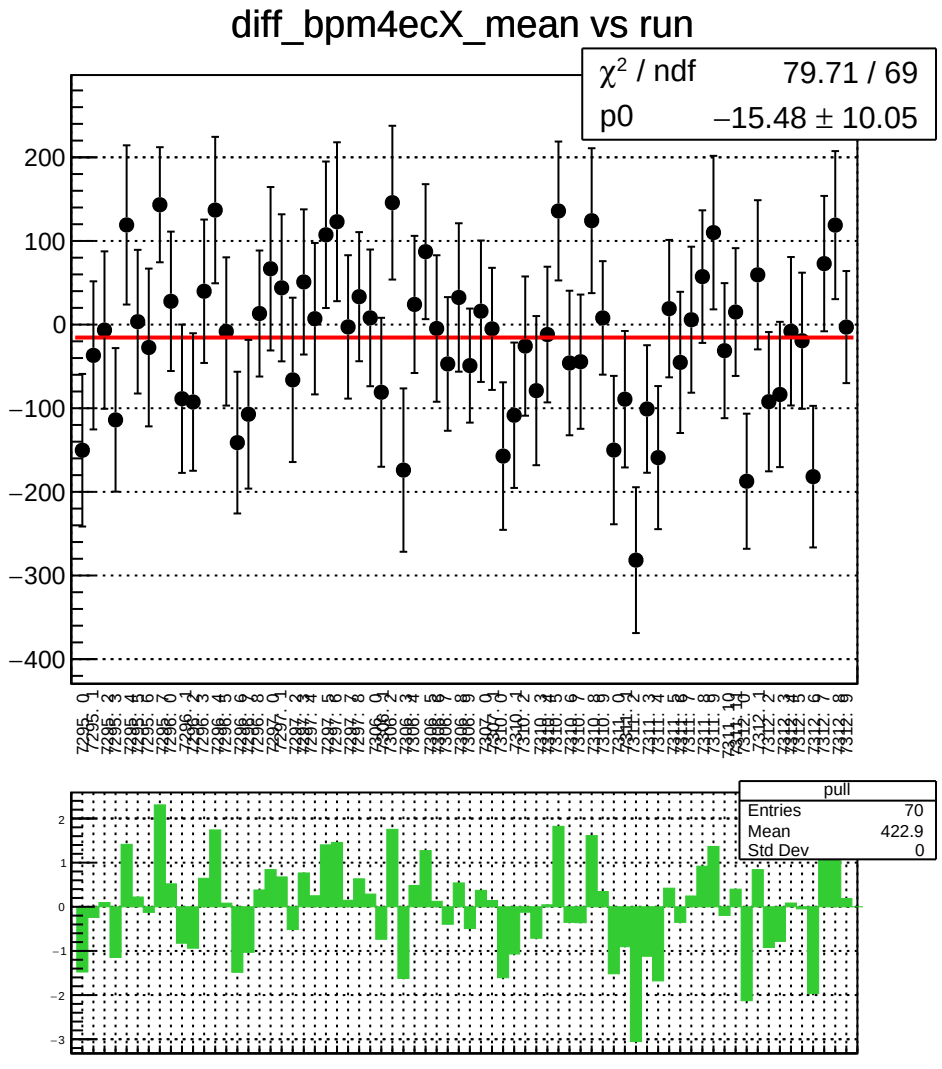

pull1D
Entries 70
Mean −0.006194
Std Dev 1.093

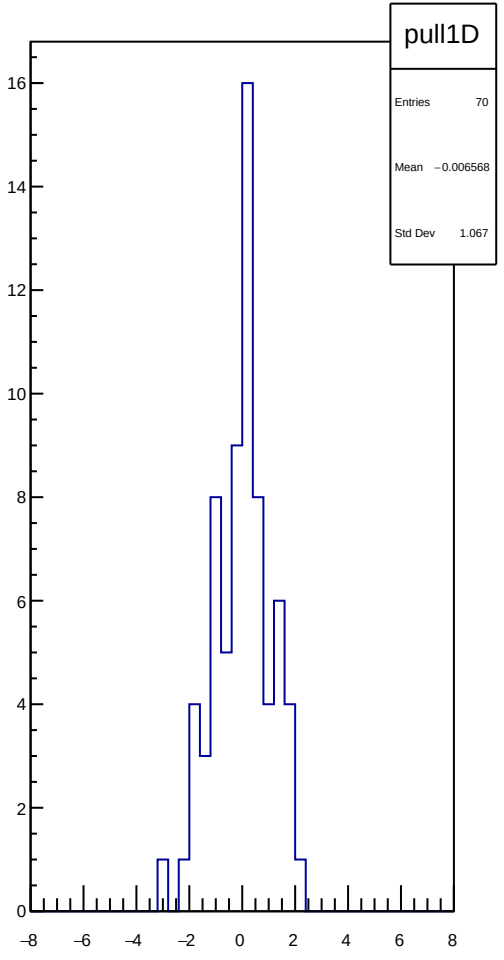

diff_bpm4acX_rms vs run
χ^2 / ndf 3934 / 69
p0 8491 ± 7.404
9500
9000
8500
8000
7500

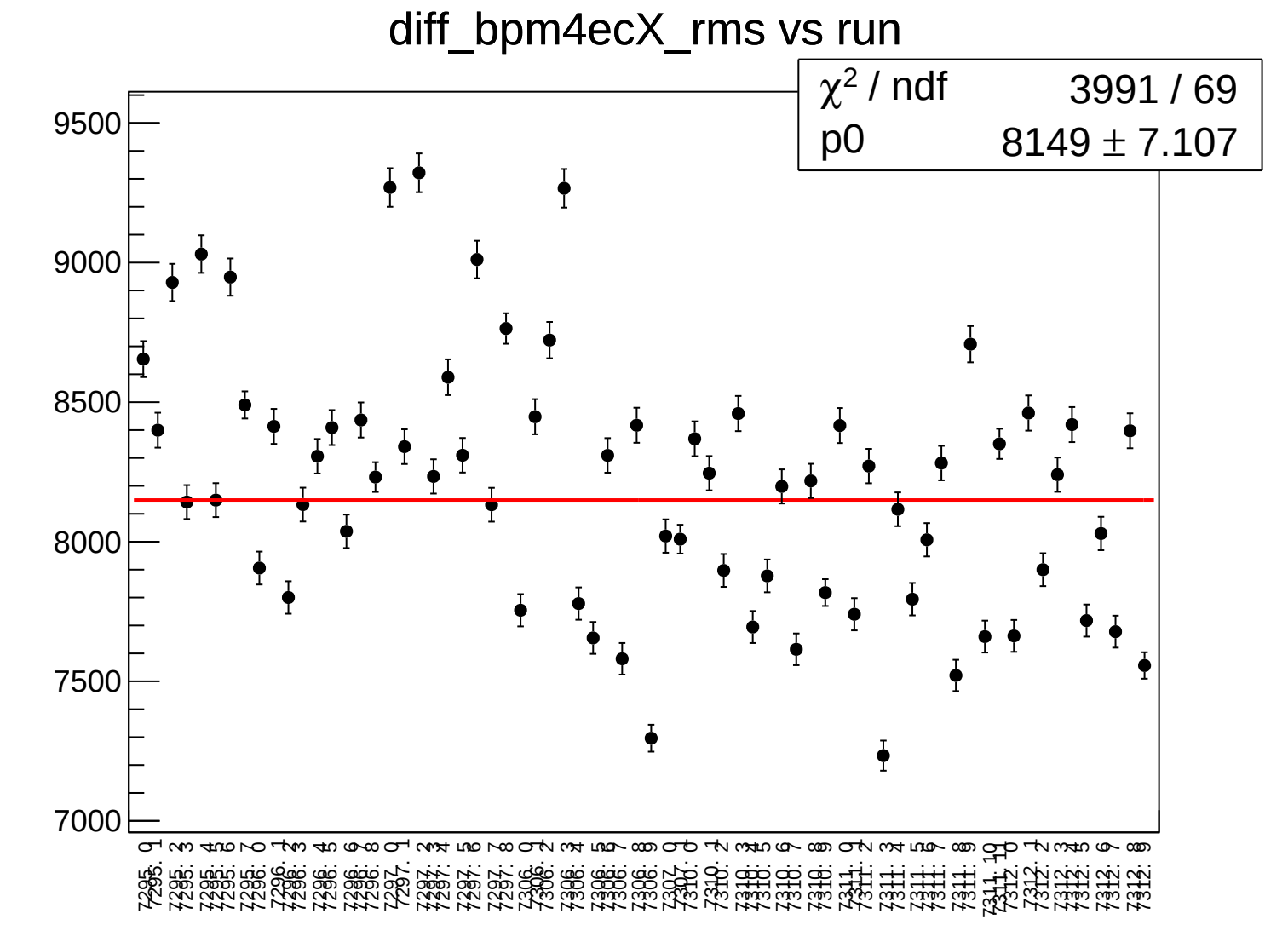

diff_bpm4acY_mean vs run
χ² / ndf 58.48 / 69
p0 5.22 ± 8.174
pull
Entries 70
Mean −78.88
Std Dev 0

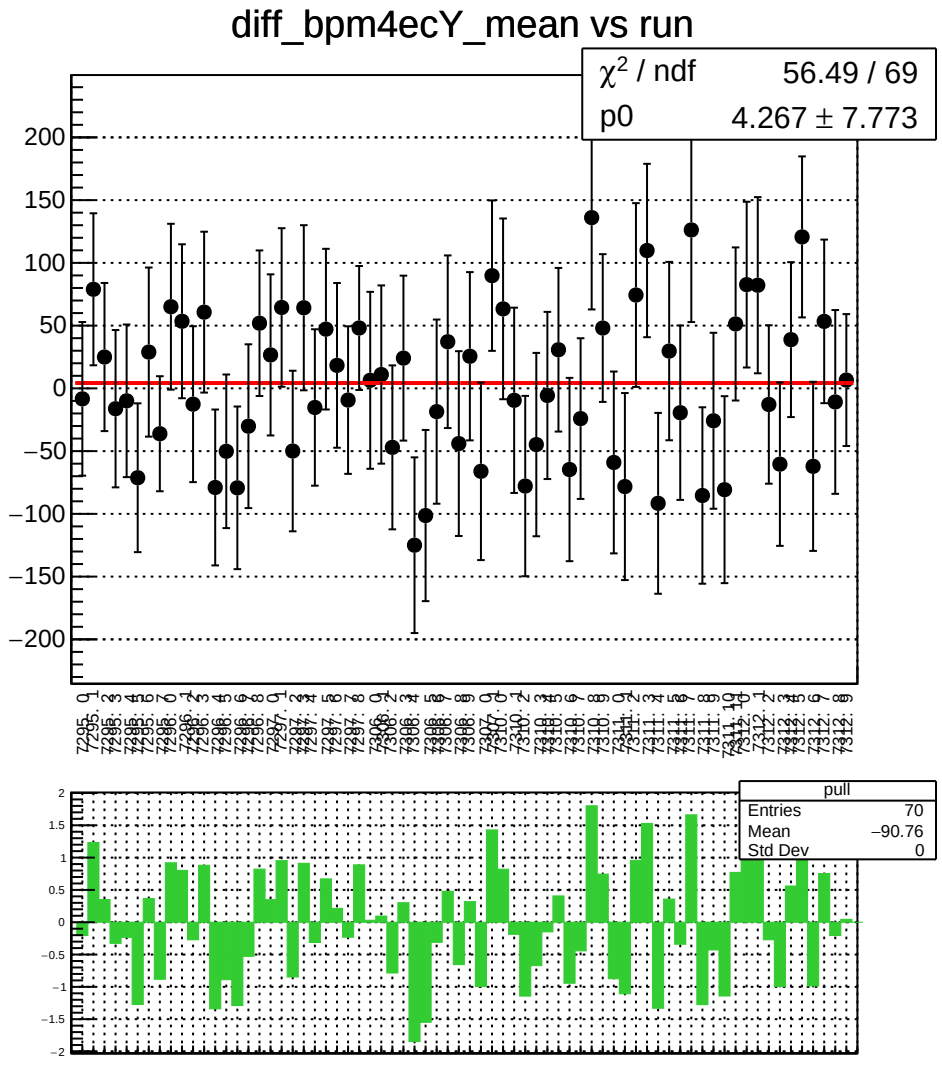

pull1D
Entries 70
Mean −0.006254
Std Dev 0.914

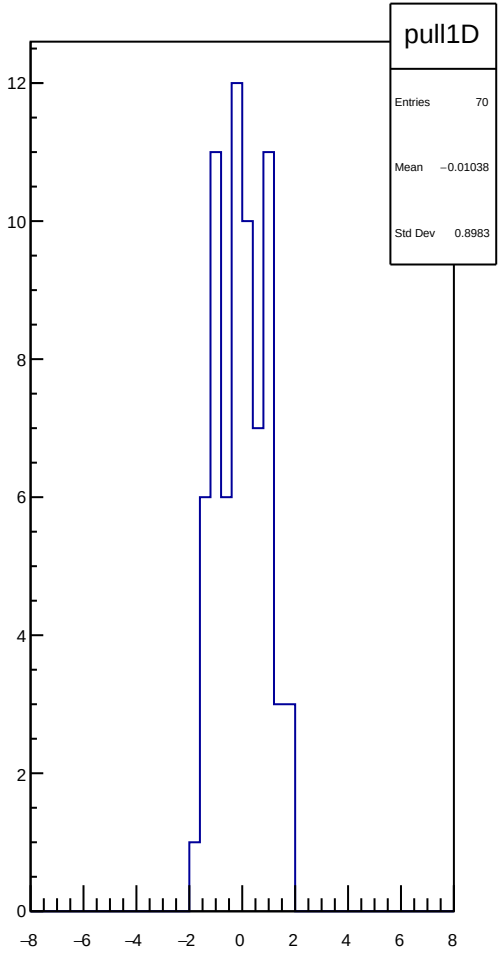

diff_bpm4acY_rms vs run
χ² / ndf 4971 / 69
p0 6626 ± 5.78
7500
7000
6500
6000
5500

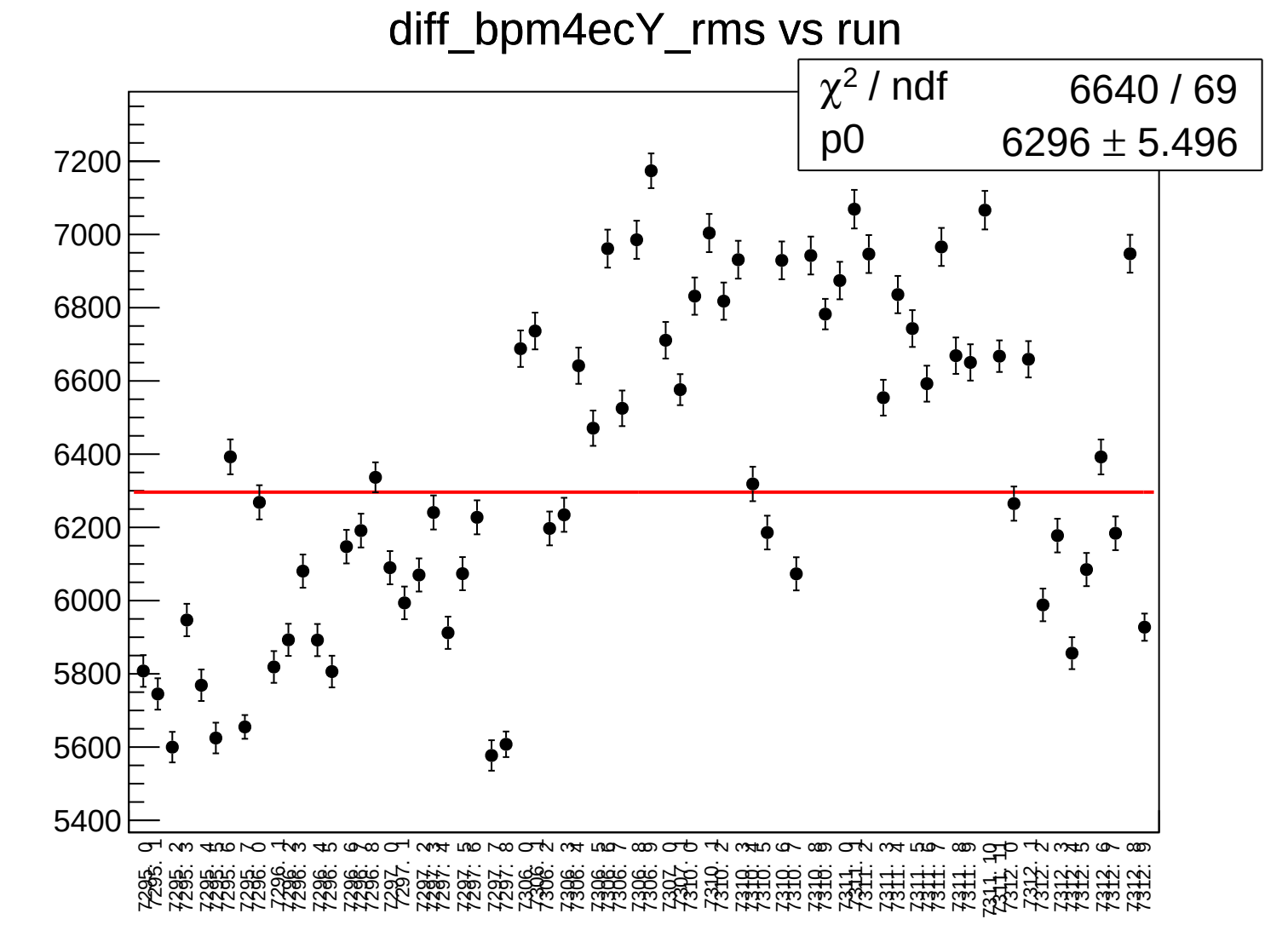

diff_bpm4ecX_mean vs run
χ² / ndf 79.71 / 69
p0 −15.48 ± 10.05
pull
Entries 70
Mean 422.9
Std Dev 0

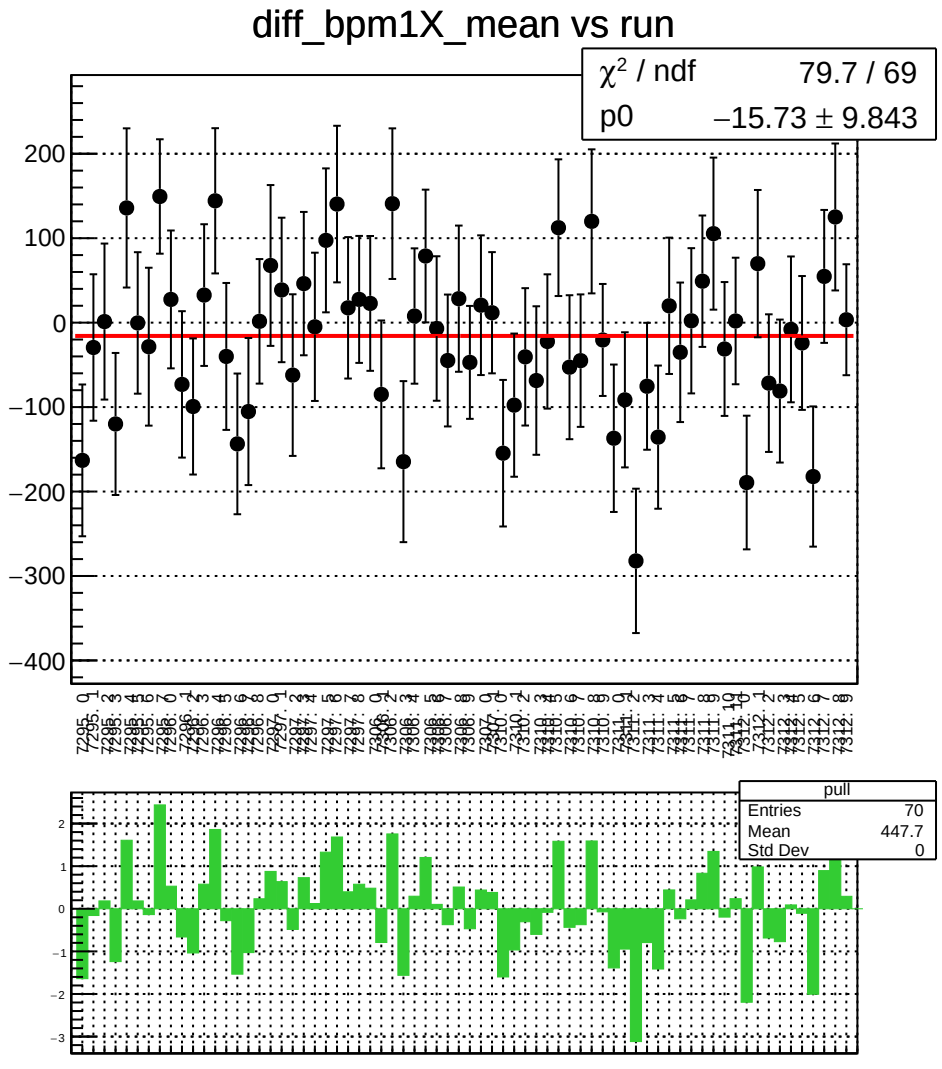

pull1D
Entries 70
Mean −0.006568
Std Dev 1.067

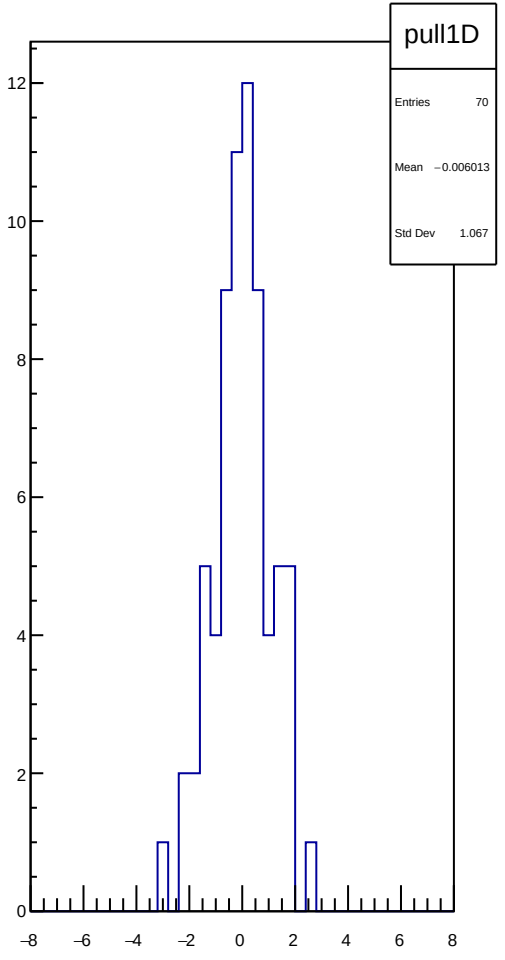

diff_bpm4ecX_rms vs run
χ² / ndf 3991 / 69
p0 8149 ± 7.107
9500
9000
8500
8000
7500
7000

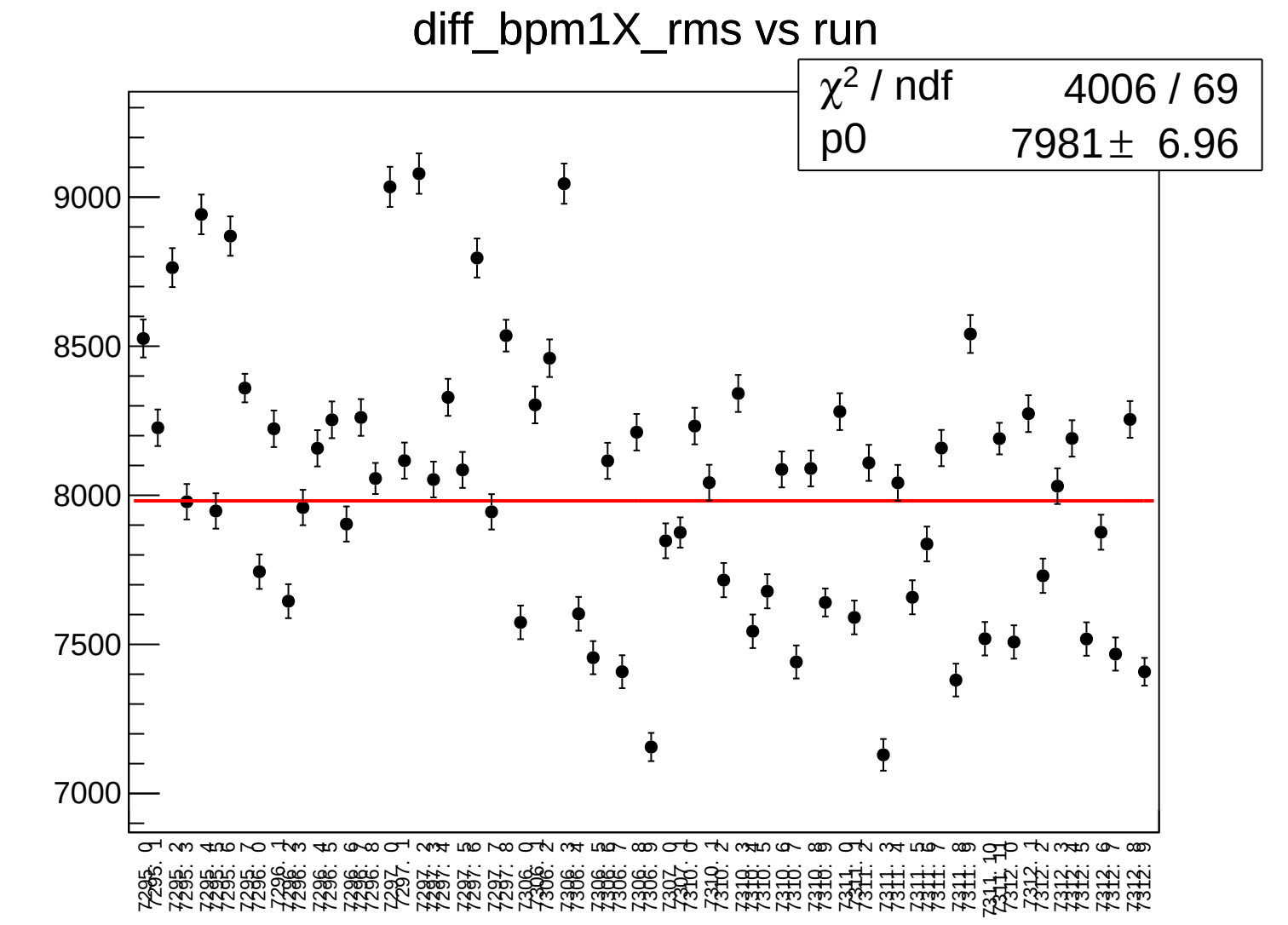

diff_bpm4ecY_mean vs run
χ² / ndf 56.49 / 69
p0 4.267 ± 7.773
pull
Entries 70
Mean −90.76
Std Dev 0

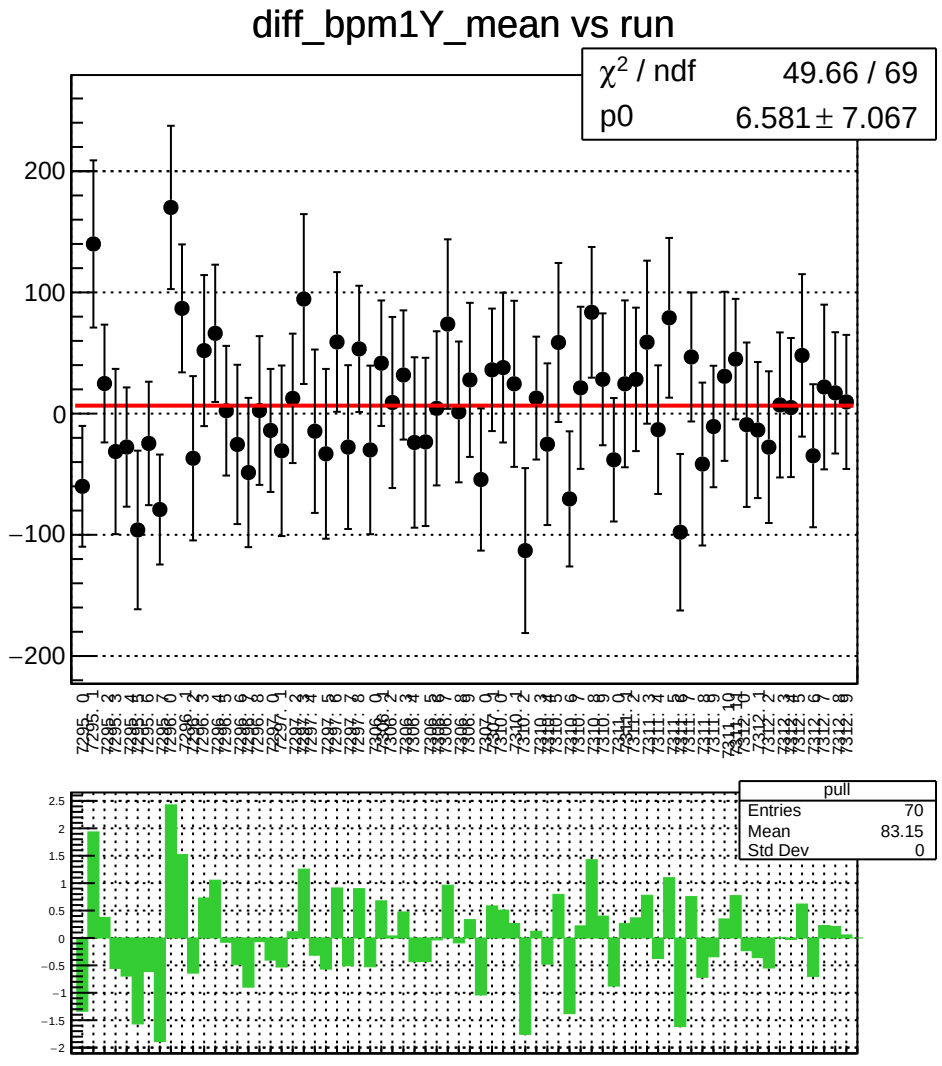

pull1D
Entries 70
Mean −0.01038
Std Dev 0.8983

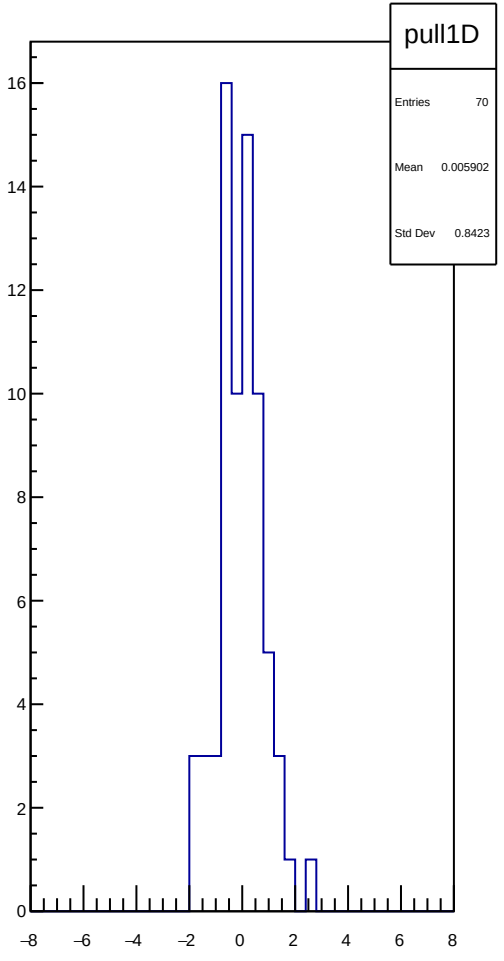

diff_bpm4ecY_rms vs run
χ² / ndf 6640 / 69
p0 6296 ± 5.496
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

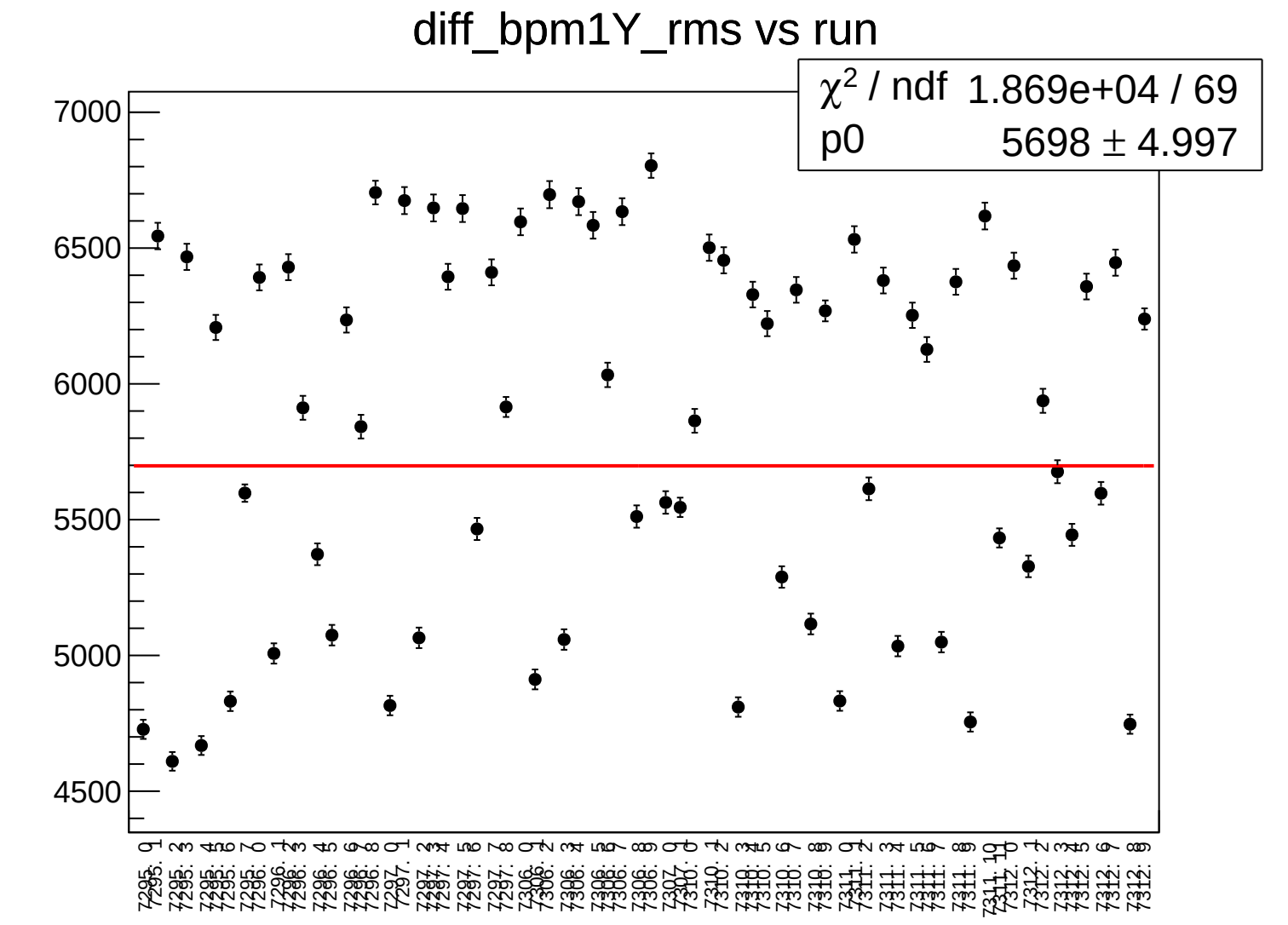

diff_bpm1X_mean vs run
χ² / ndf 79.7 / 69
p0 −15.73 ± 9.843
pull
Entries 70
Mean 447.7
Std Dev 0

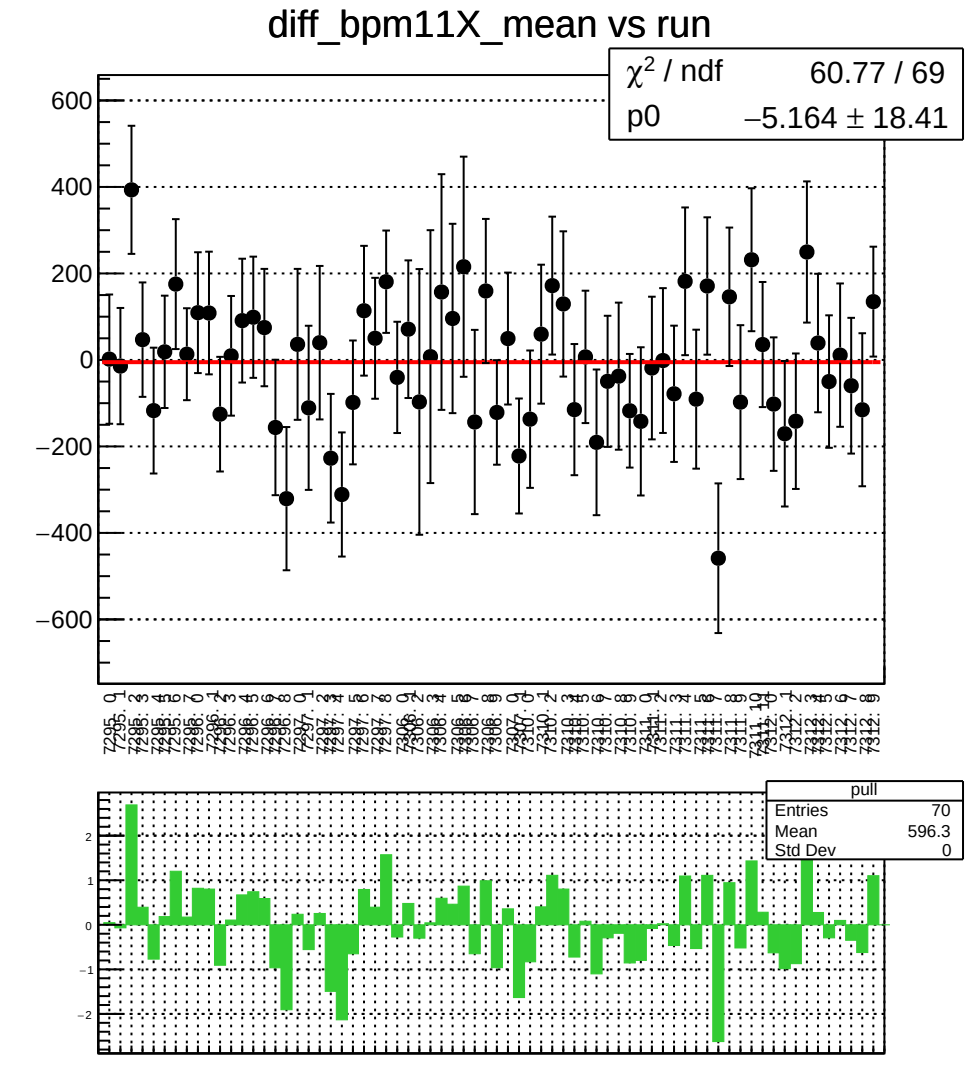

pull1D
Entries 70
Mean −0.006013
Std Dev 1.067

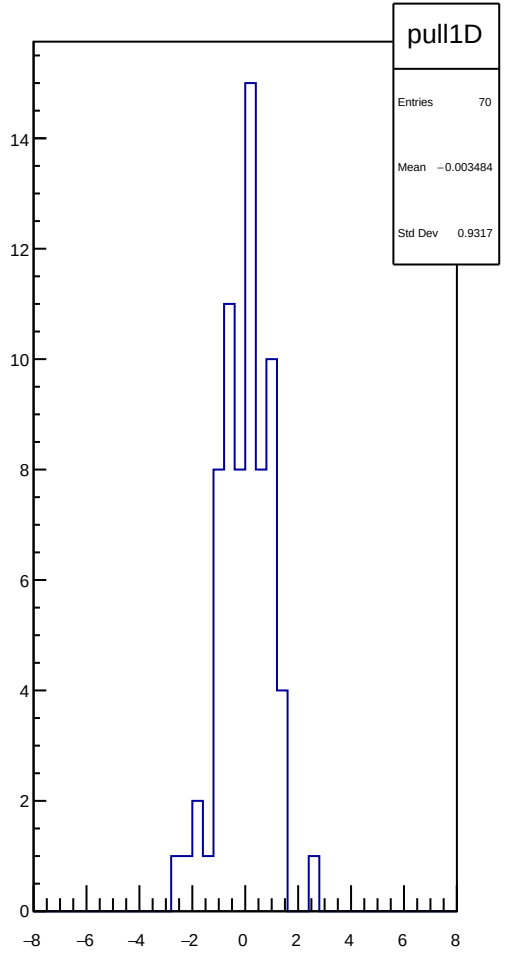

diff_bpm1X_rms vs run
χ^2 / ndf 4006 / 69
p0 7981 ± 6.96
9000
8500
8000
7500
7000

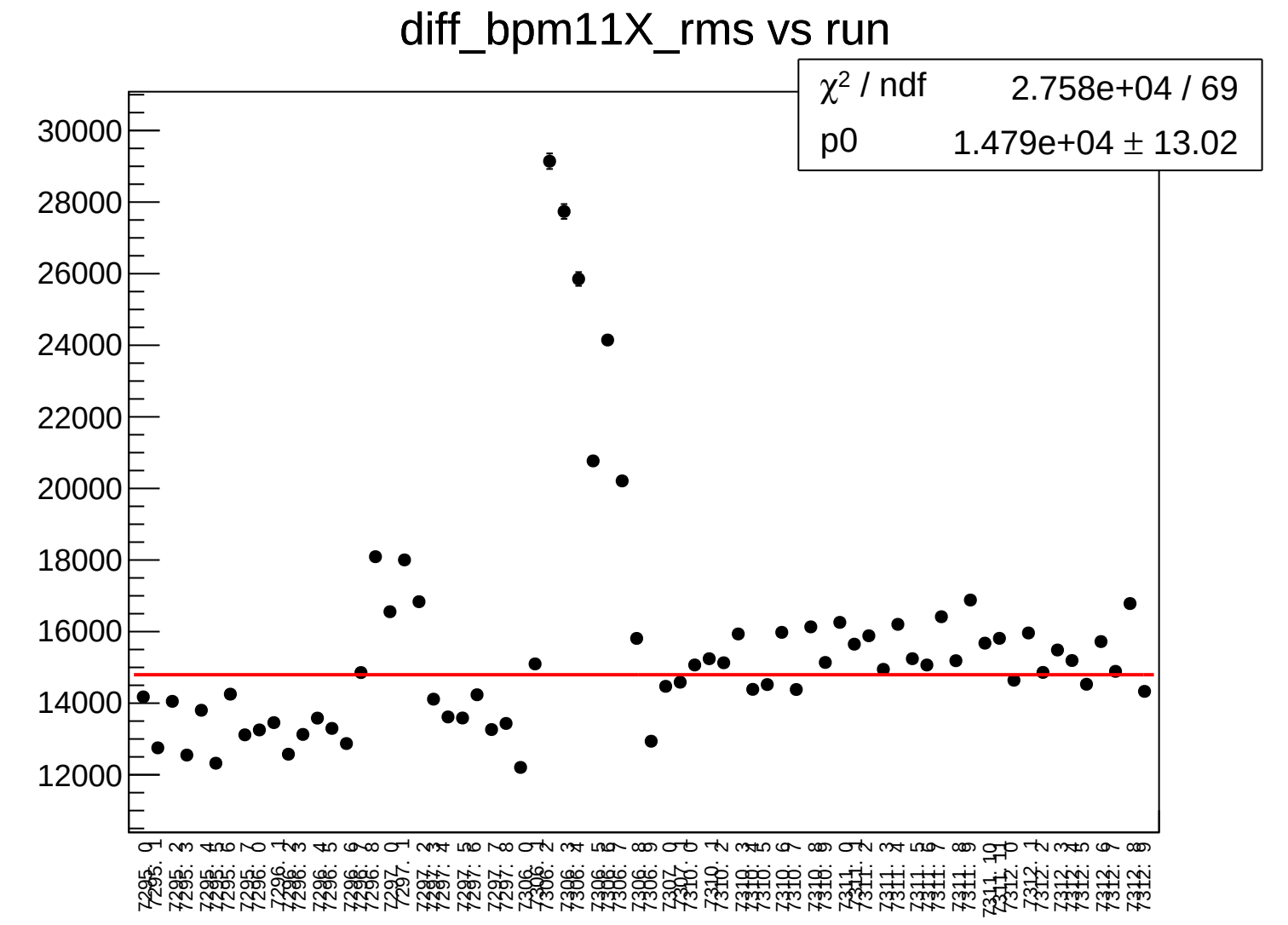

diff_bpm1Y_mean vs run
χ² / ndf 49.66 / 69
p0 6.581 ± 7.067
pull
Entries 70
Mean 83.15
Std Dev 0

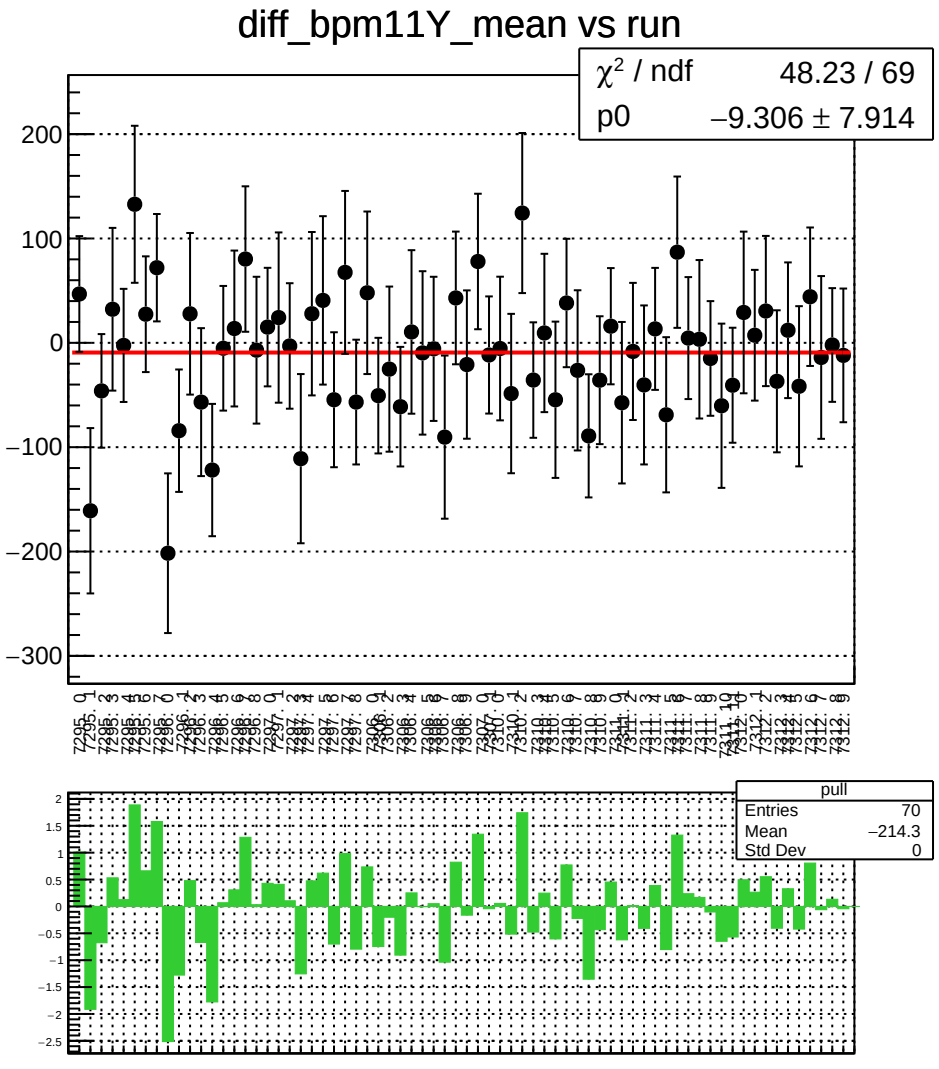

pull1D
Entries 70
Mean 0.005902
Std Dev 0.8423

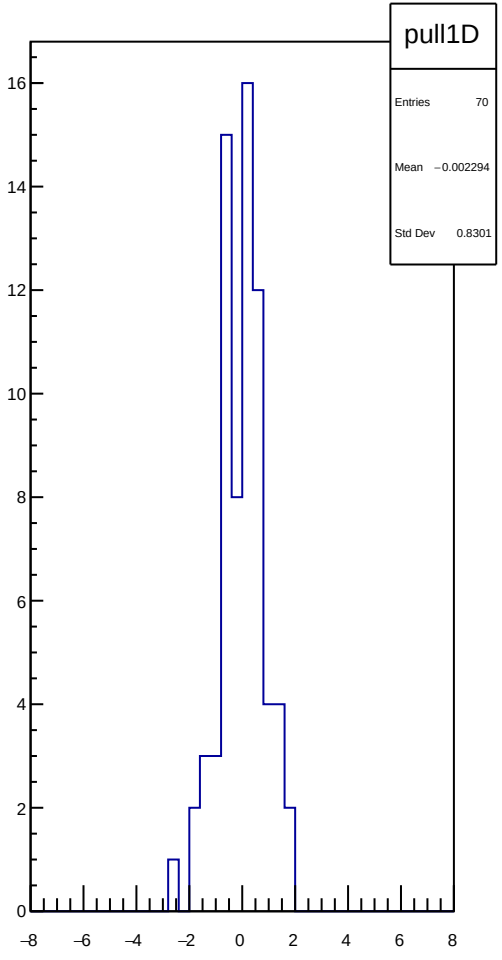

diff_bpm1Y_rms vs run
χ^2 / ndf 1.869e+04 / 69
p0 5698 ± 4.997
7000
6500
6000
5500
5000
4500

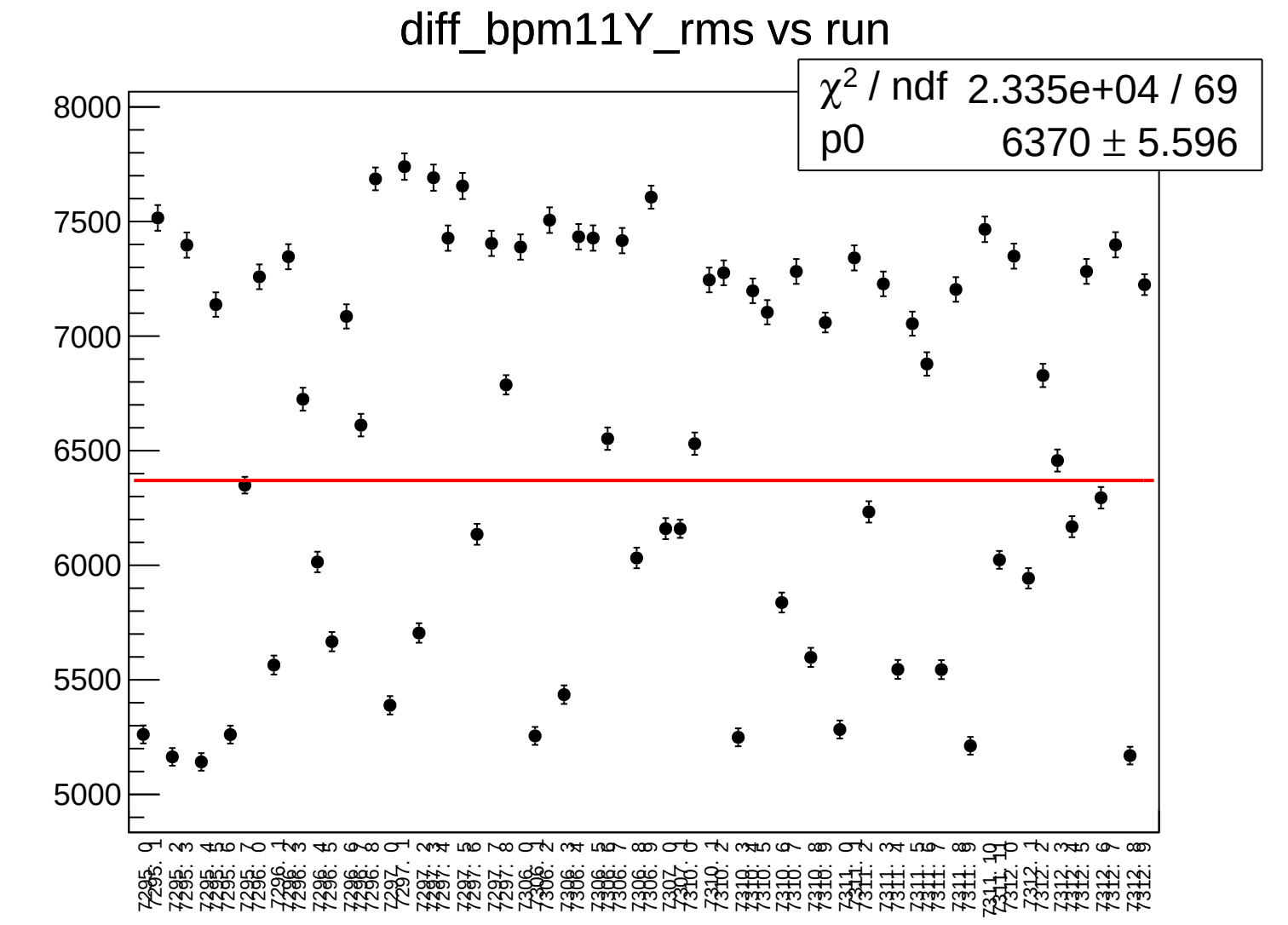

diff_bpm11X_mean vs run
χ² / ndf 60.77 / 69
p0 −5.164 ± 18.41
pull
Entries 70
Mean 596.3
Std Dev 0

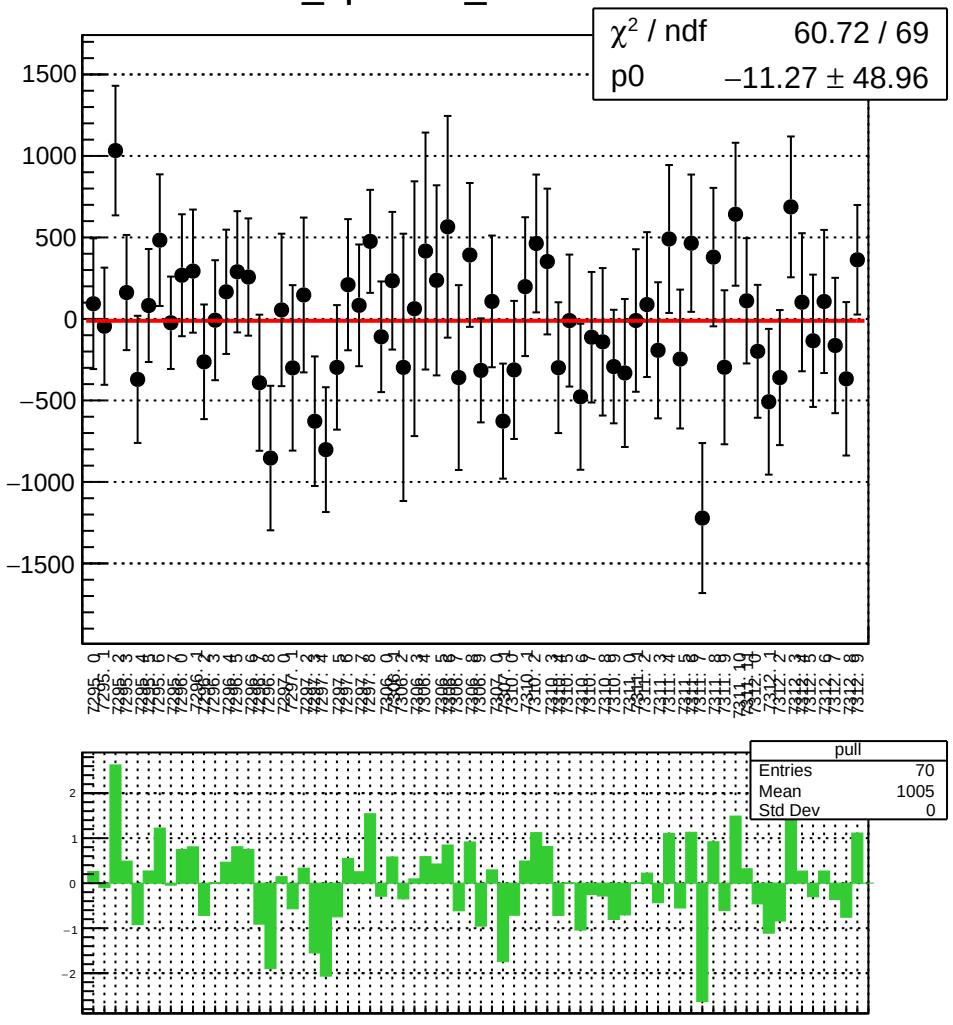

pull1D
Entries 70
Mean −0.003484
Std Dev 0.9317

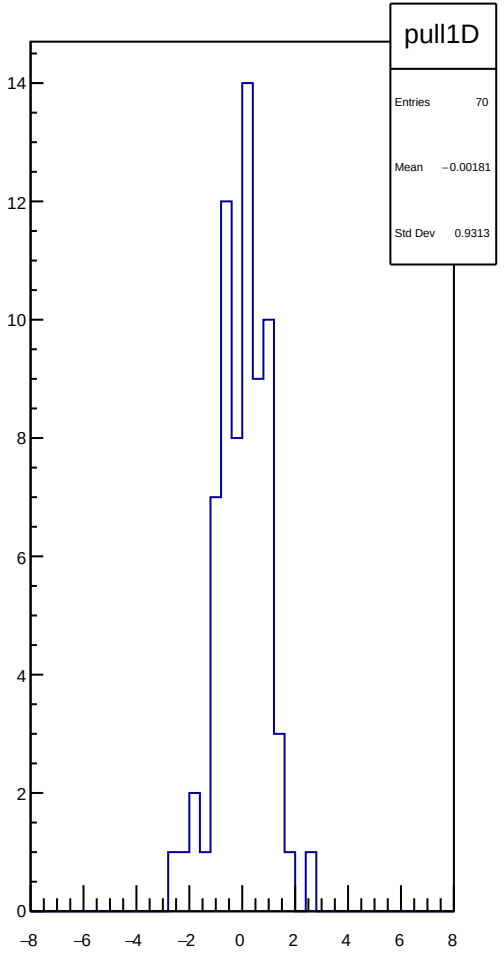

diff_bpm11X_rms vs run
χ^2 / ndf 2.758e+04 / 69
p0 1.479e+04 ± 13.02
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000

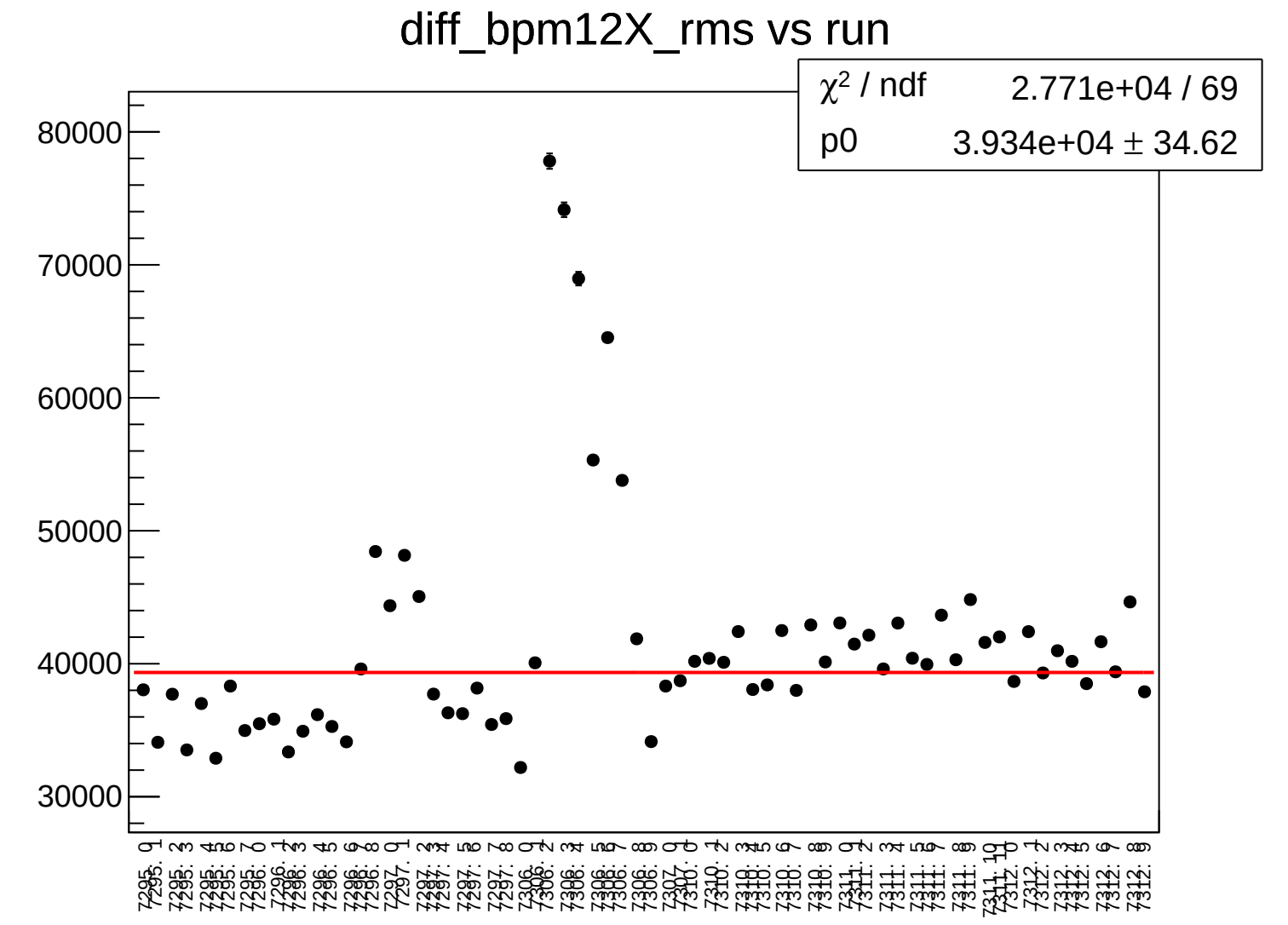

diff_bpm11Y_mean vs run
χ^2 / ndf 48.23 / 69
p0 −9.306 ± 7.914
pull
Entries 70
Mean −214.3
Std Dev 0

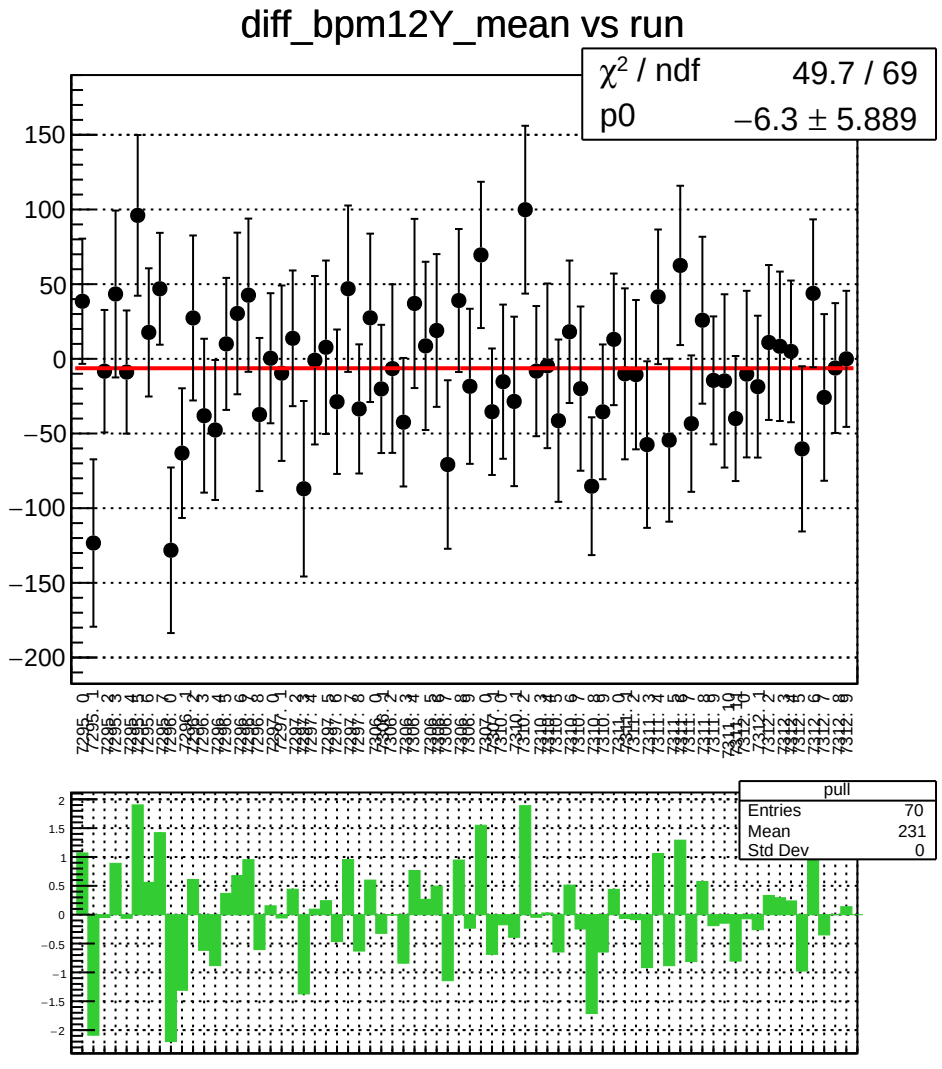

pull1D
Entries 70
Mean −0.002294
Std Dev 0.8301

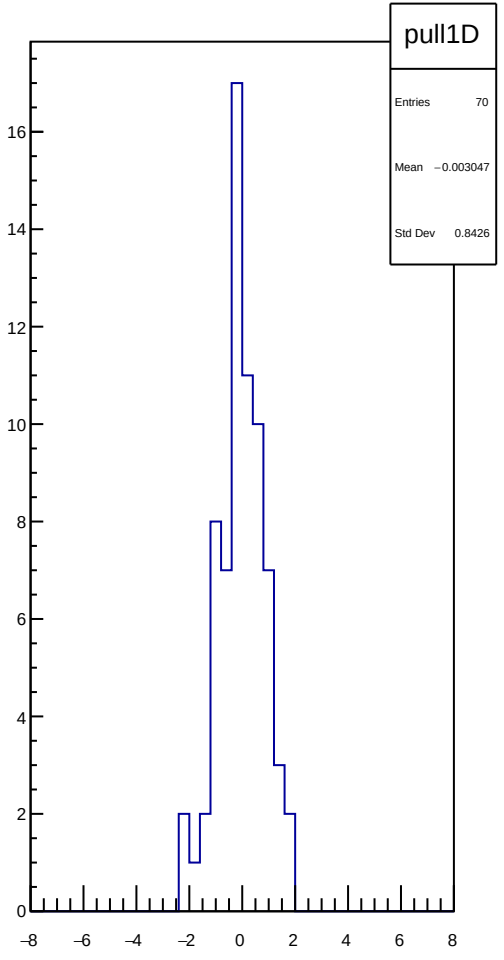

diff_bpm11Y_rms vs run
χ^2 / ndf 2.335e+04 / 69
p0 6370 ± 5.596
8000
7500
7000
6500
6000
5500
5000

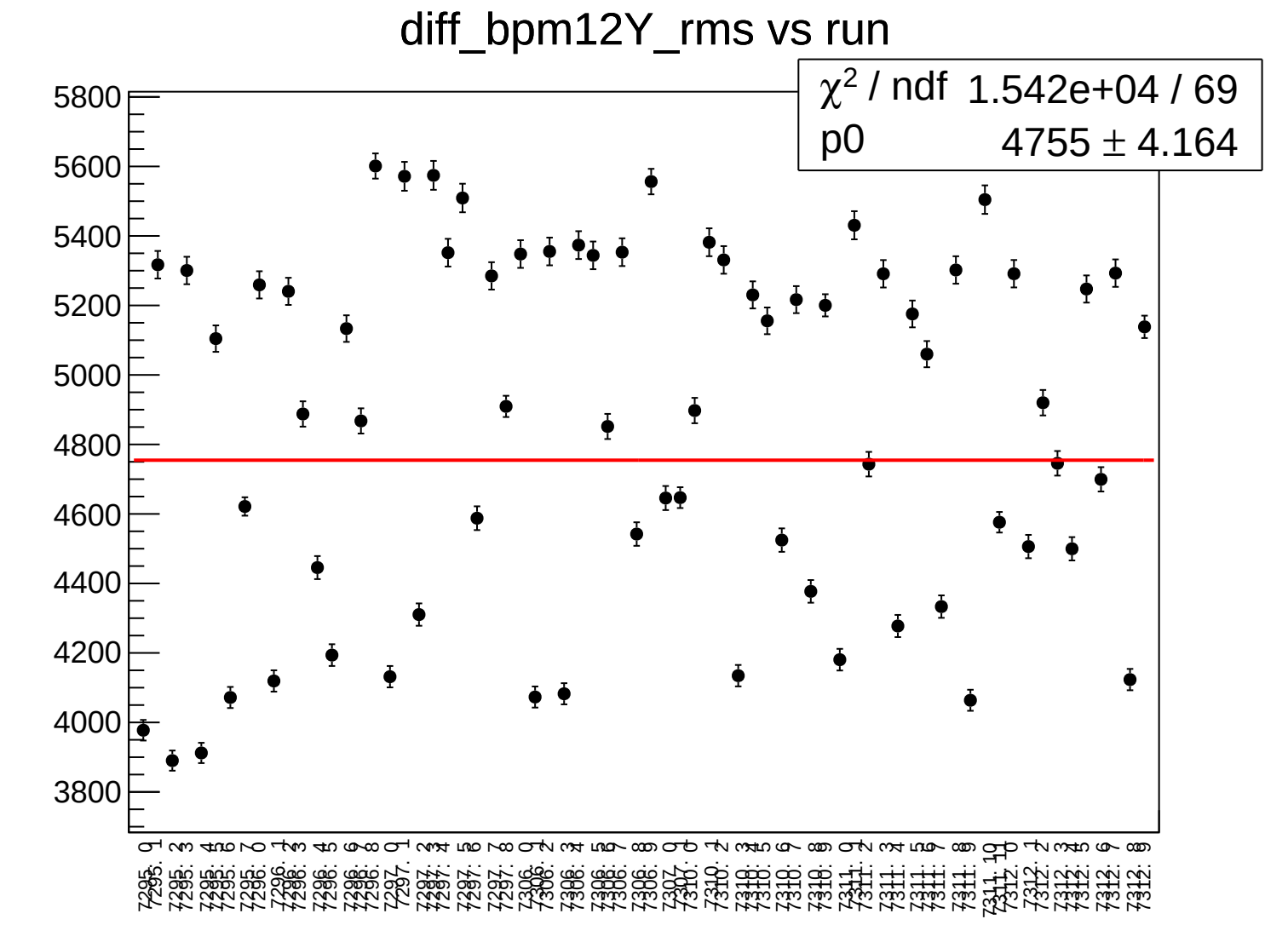

diff_bpm12X_mean vs run
χ² / ndf 60.72 / 69
p0 −11.27 ± 48.96
pull
Entries 70
Mean 1005
Std Dev 0

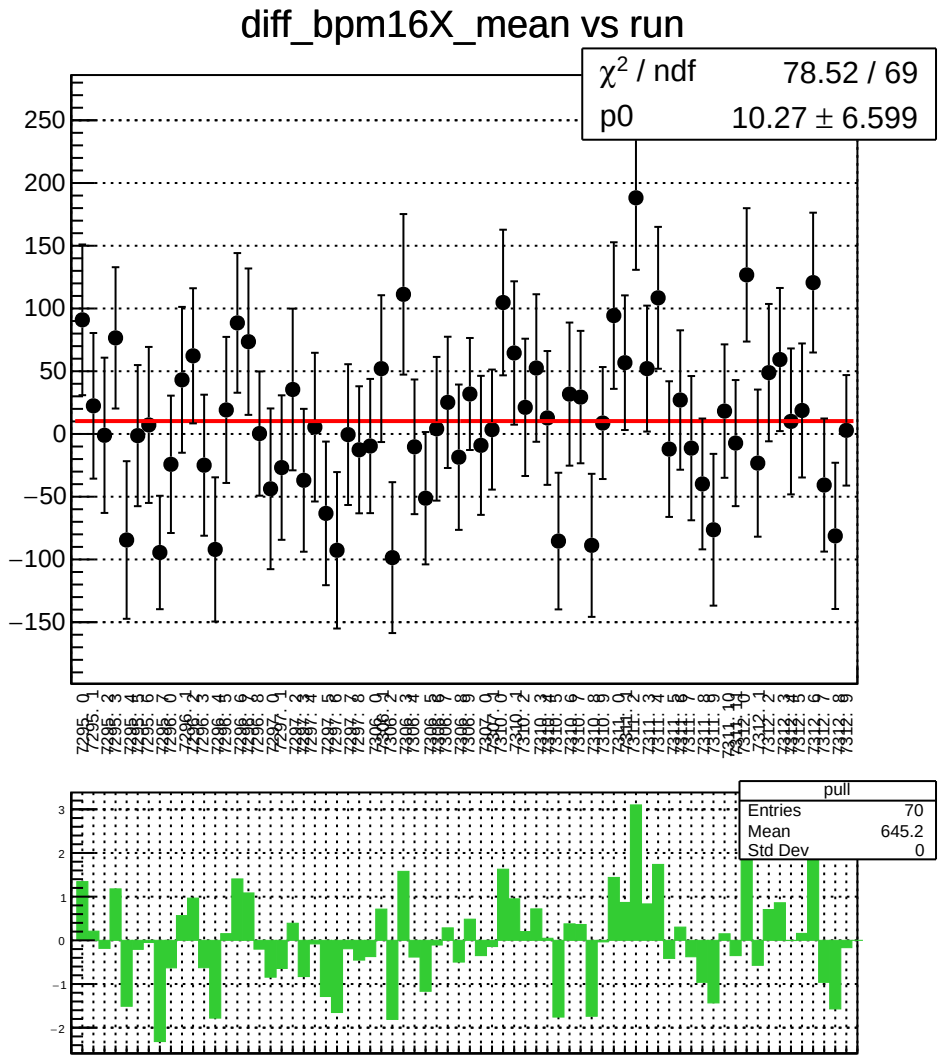

pull1D
Entries 70
Mean −0.00181
Std Dev 0.9313

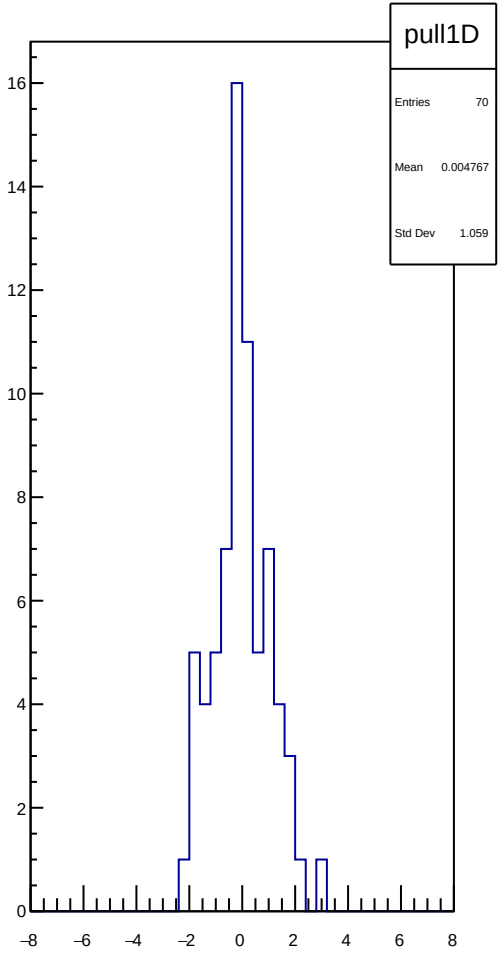

diff_bpm12X_rms vs run
χ² / ndf 2.771e+04 / 69
p0 3.934e+04 ± 34.62
80000
70000
60000
50000
40000
30000

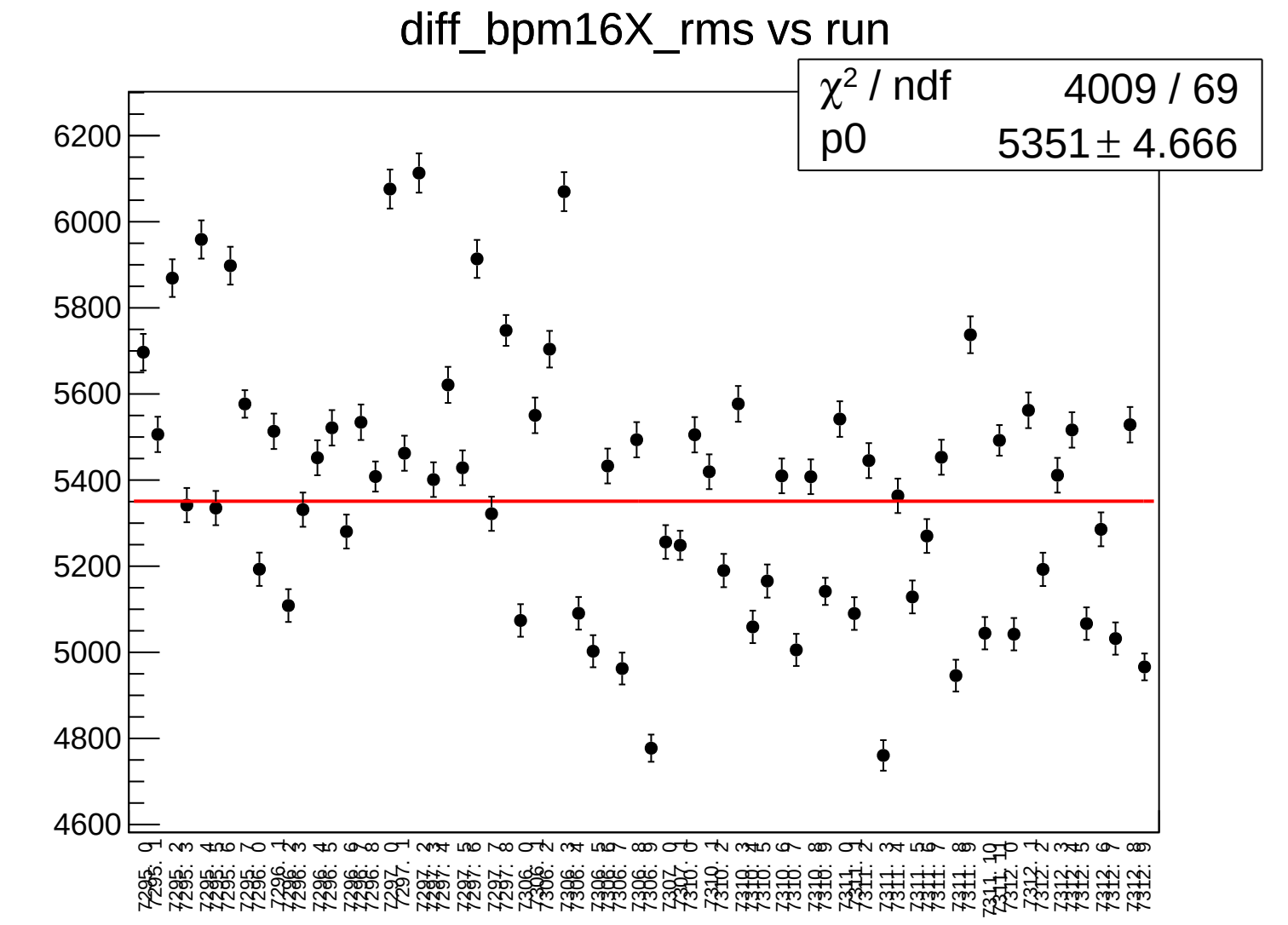

diff_bpm12Y_mean vs run
χ² / ndf 49.7 / 69
p0 −6.3 ± 5.889
pull
Entries 70
Mean 231
Std Dev 0

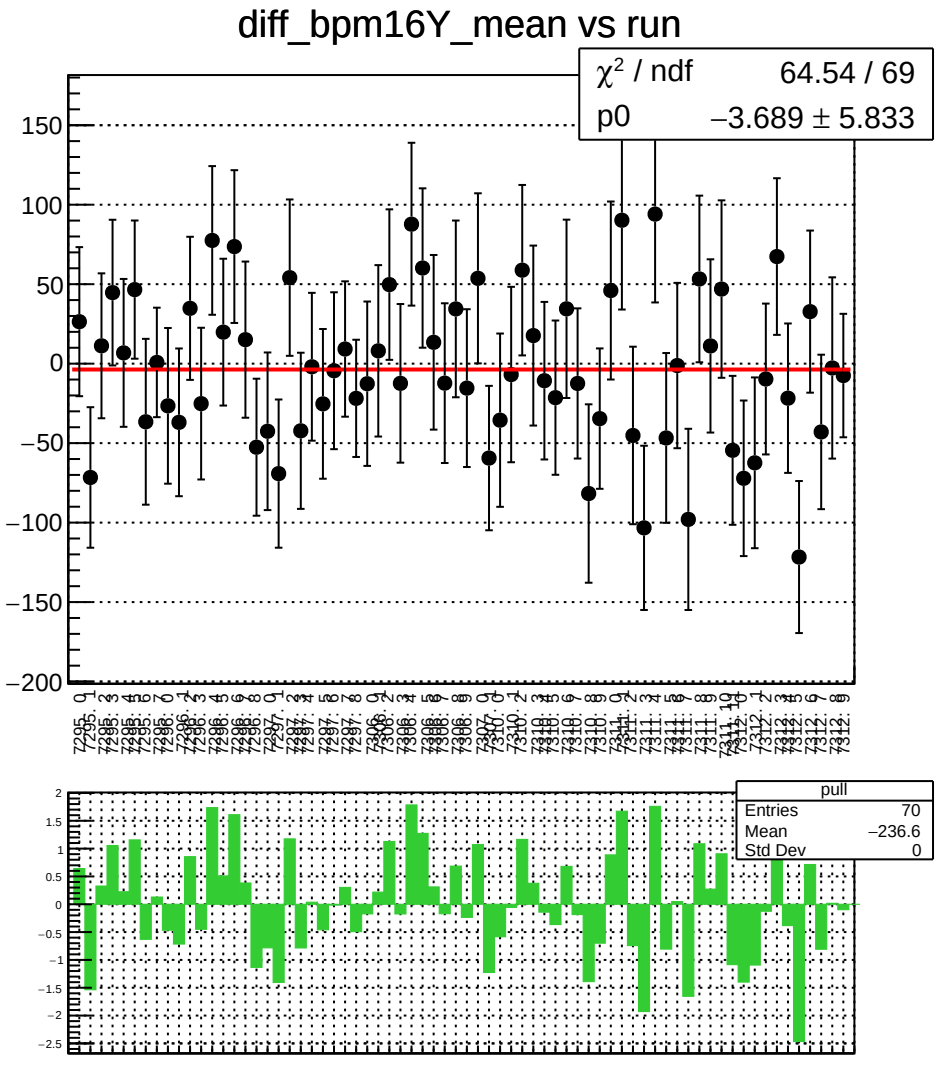

pull1D
Entries 70
Mean −0.003047
Std Dev 0.8426

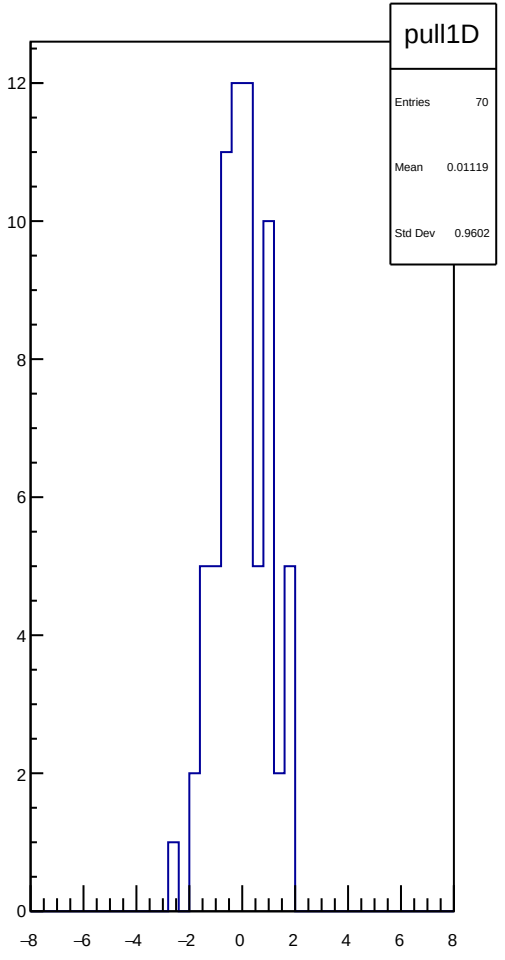

diff_bpm12Y_rms vs run
χ² / ndf 1.542e+04 / 69
p0 4755 ± 4.164
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

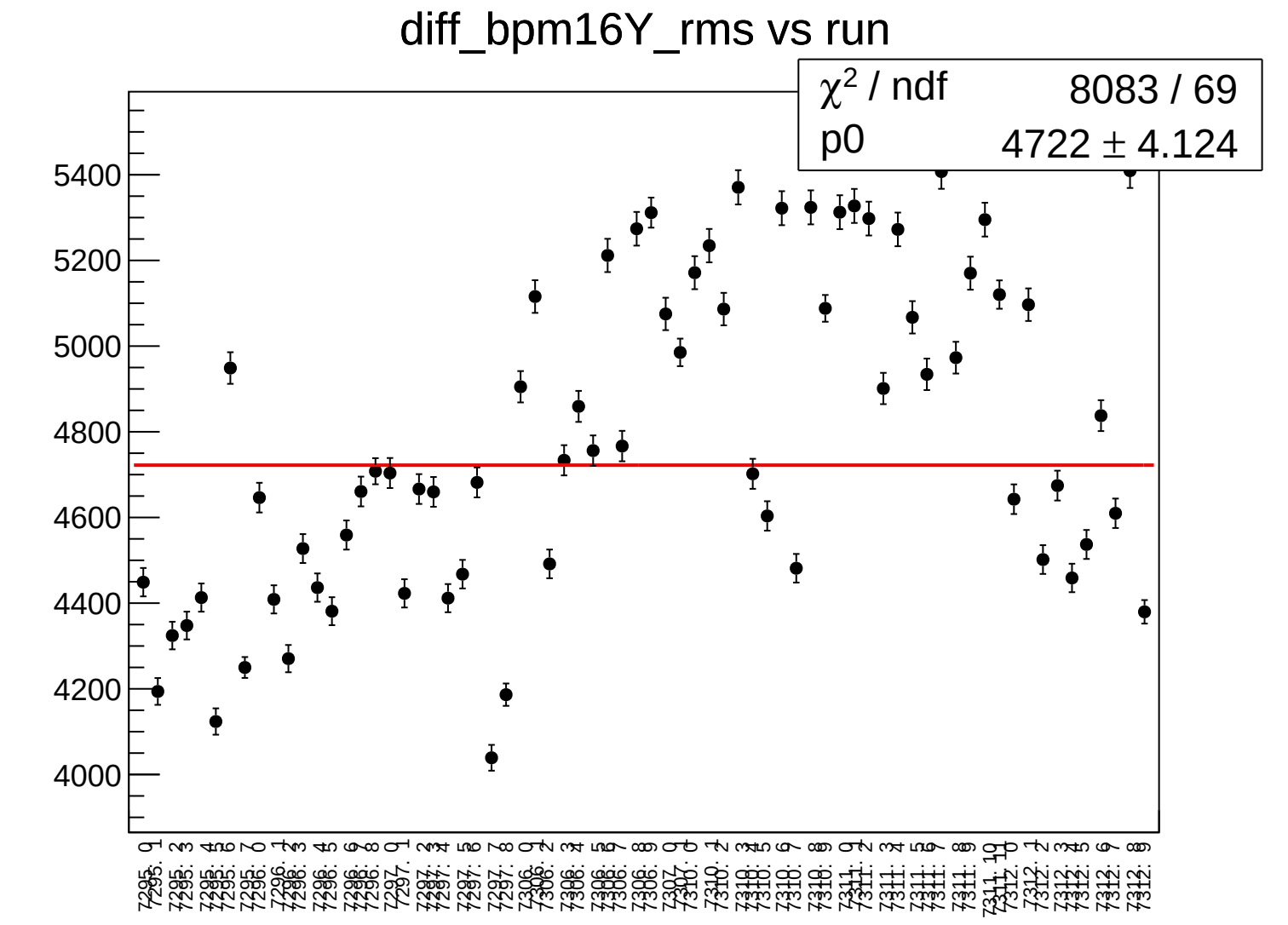

diff_bpm16X_mean vs run
χ^2 / ndf 78.52 / 69
p0 10.27 ± 6.599
pull
Entries 70
Mean 645.2
Std Dev 0

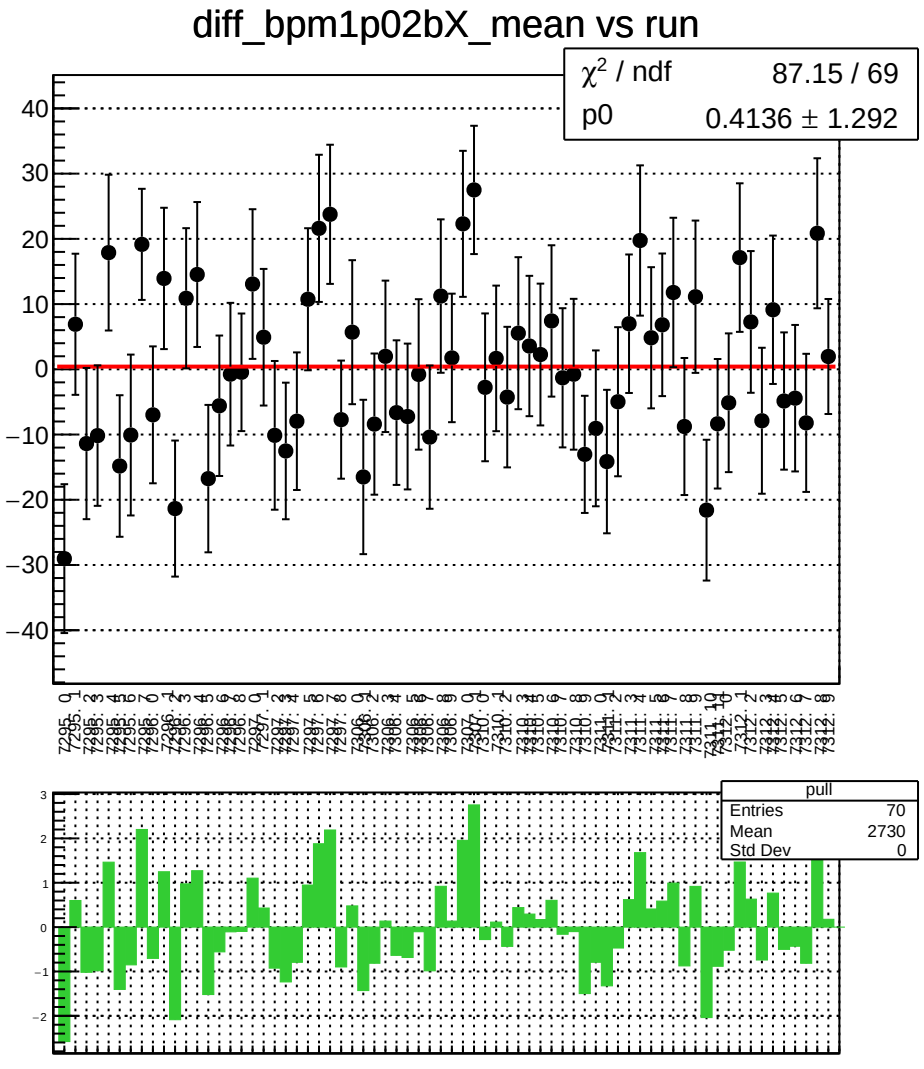

pull1D
Entries 70
Mean 0.004767
Std Dev 1.059

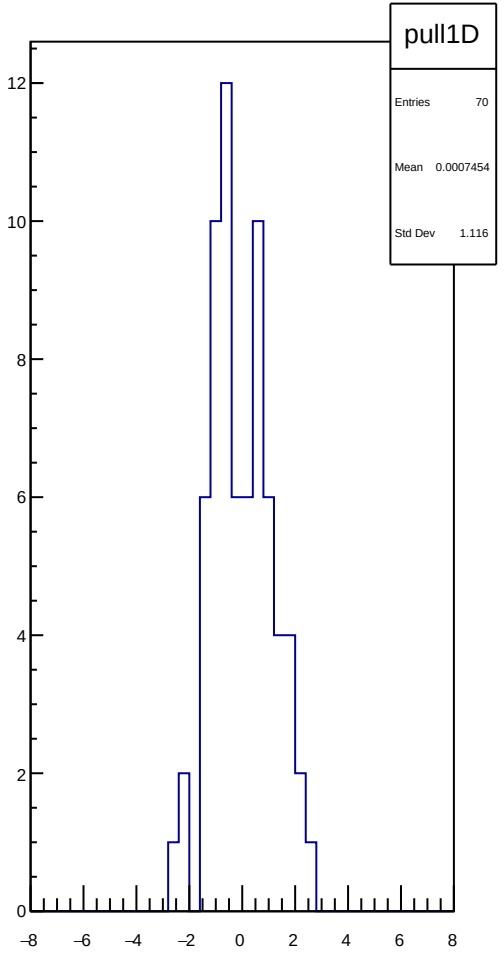

diff_bpm16X_rms vs run
χ² / ndf 4009 / 69
p0 5351 ± 4.666
6200
6000
5800
5600
5400
5200
5000
4800
4600

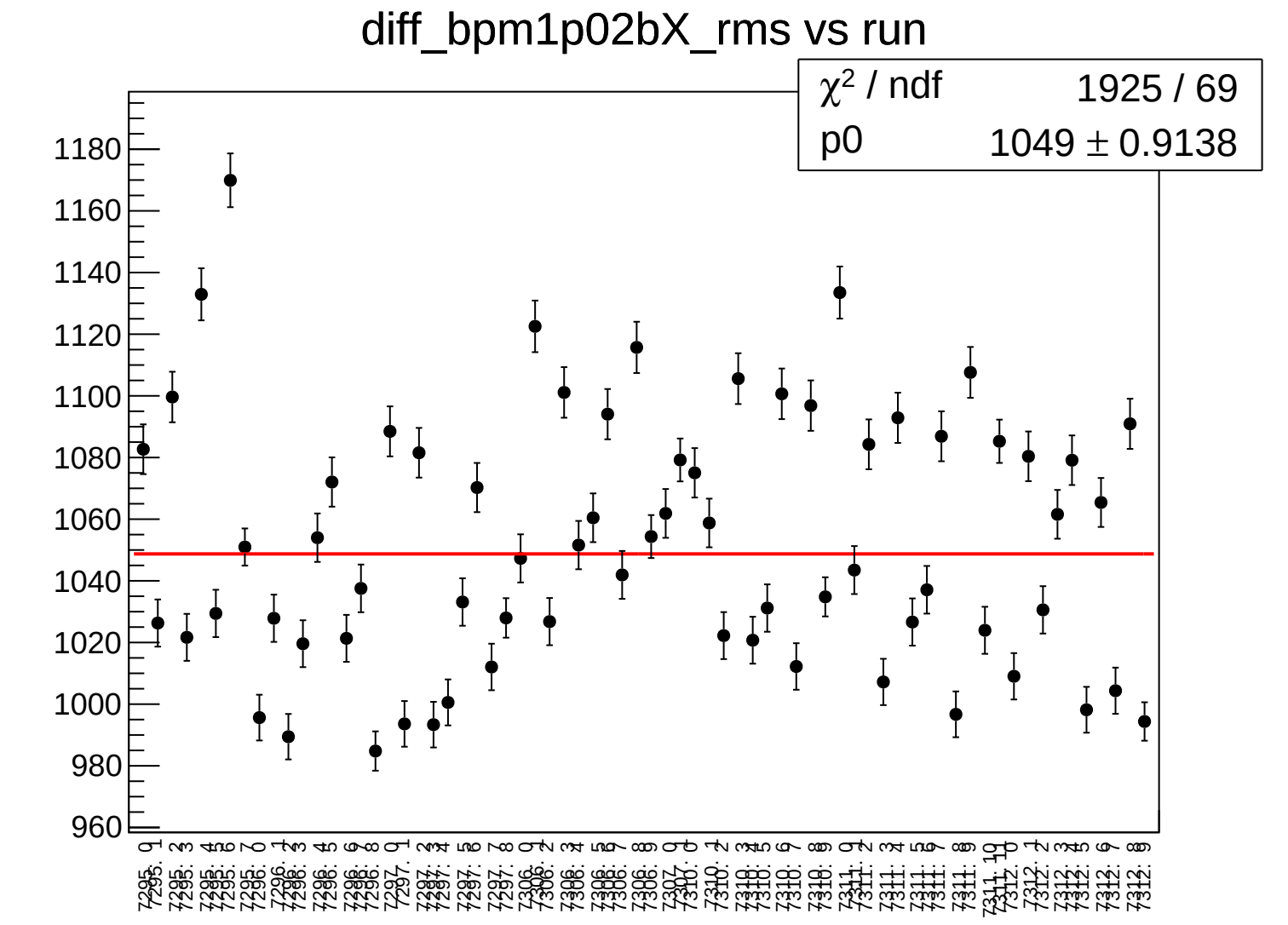

diff_bpm16Y_mean vs run
χ² / ndf 64.54 / 69
p0 −3.689 ± 5.833
pull
Entries 70
Mean −236.6
Std Dev 0

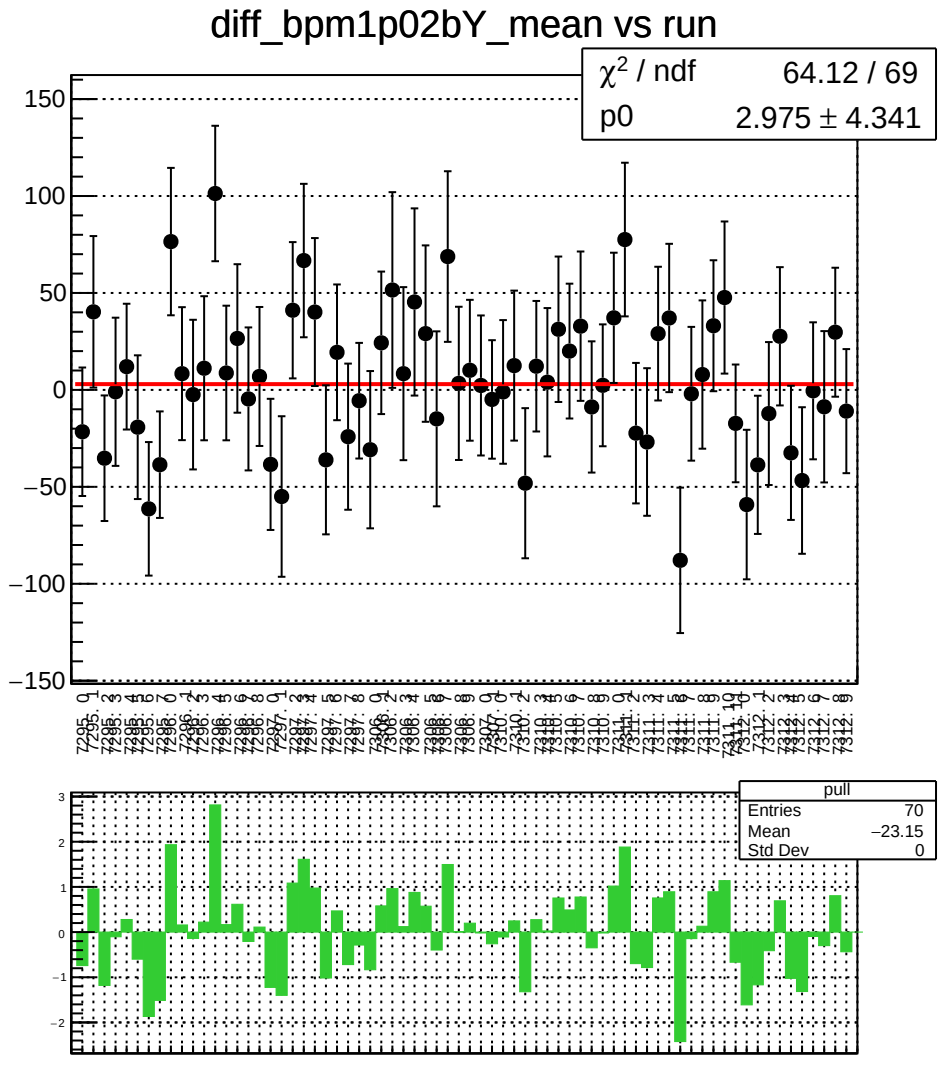

pull1D
Entries 70
Mean 0.01119
Std Dev 0.9602

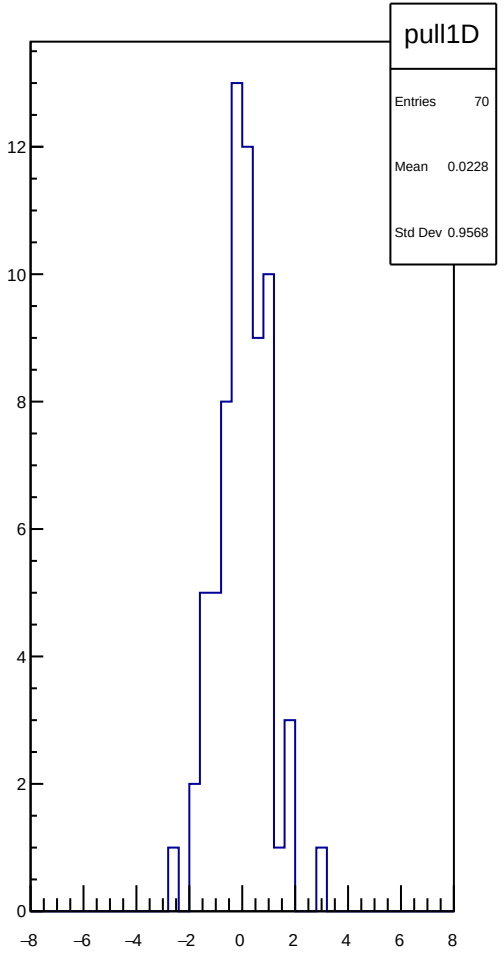

diff_bpm16Y_rms vs run
χ² / ndf 8083 / 69
p0 4722 ± 4.124
5400
5200
5000
4800
4600
4400
4200
4000

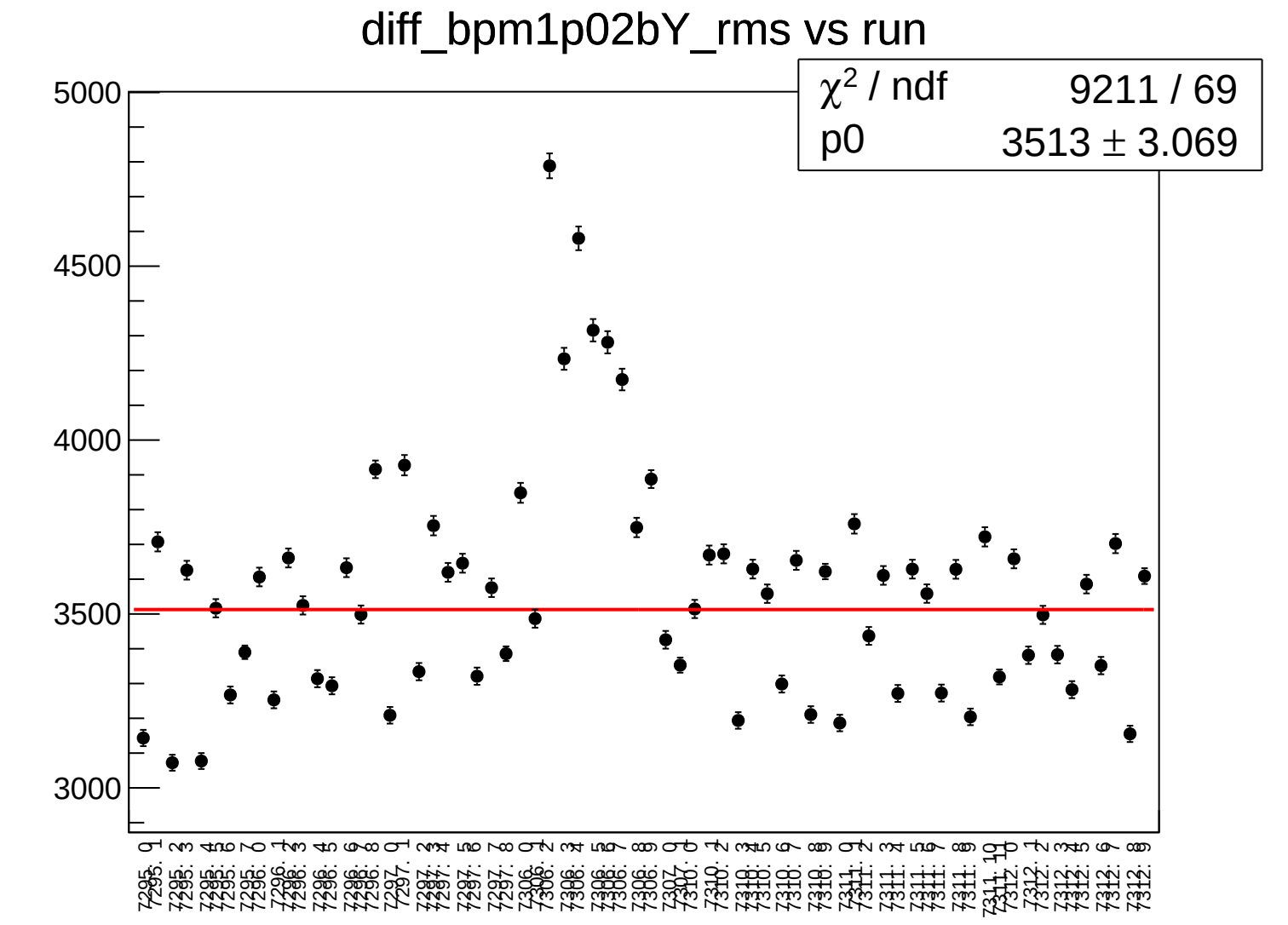

diff_bpm1p02bX_mean vs run
χ² / ndf 87.15 / 69
p0 0.4136 ± 1.292
pull
Entries 70
Mean 2730
Std Dev 0

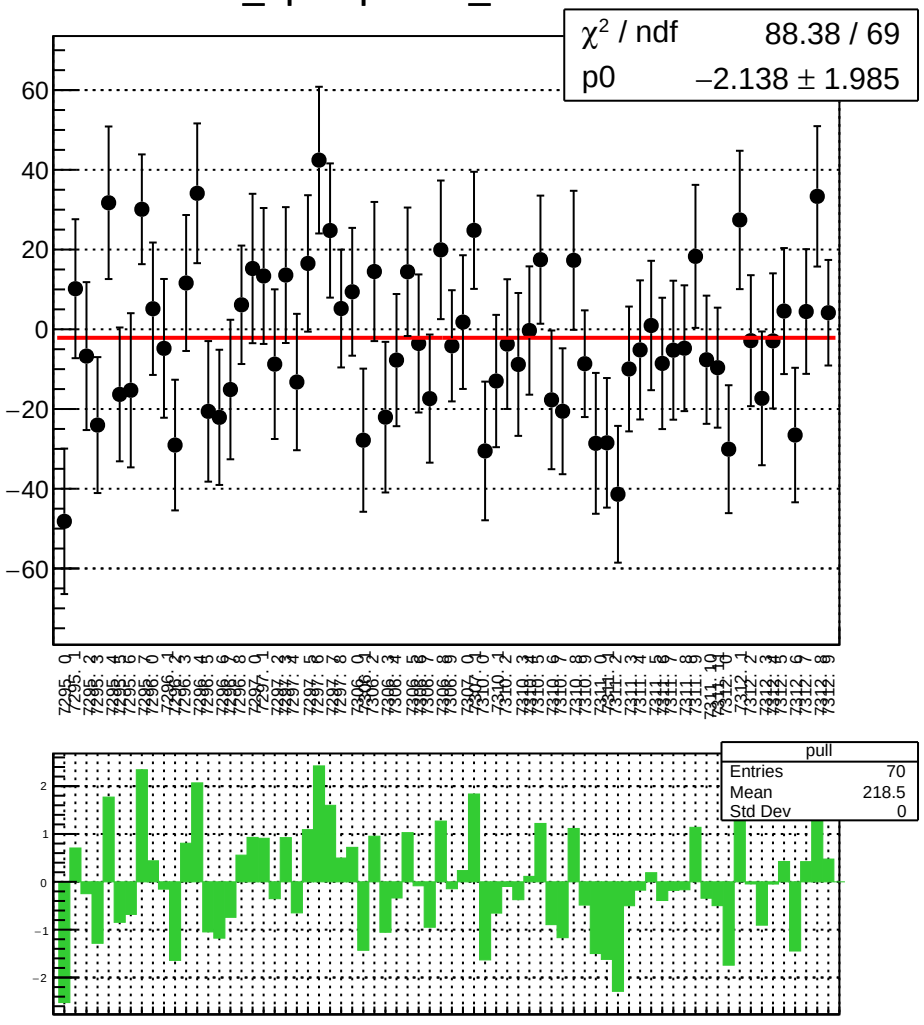

pull1D
Entries 70
Mean 0.0007454
Std Dev 1.116

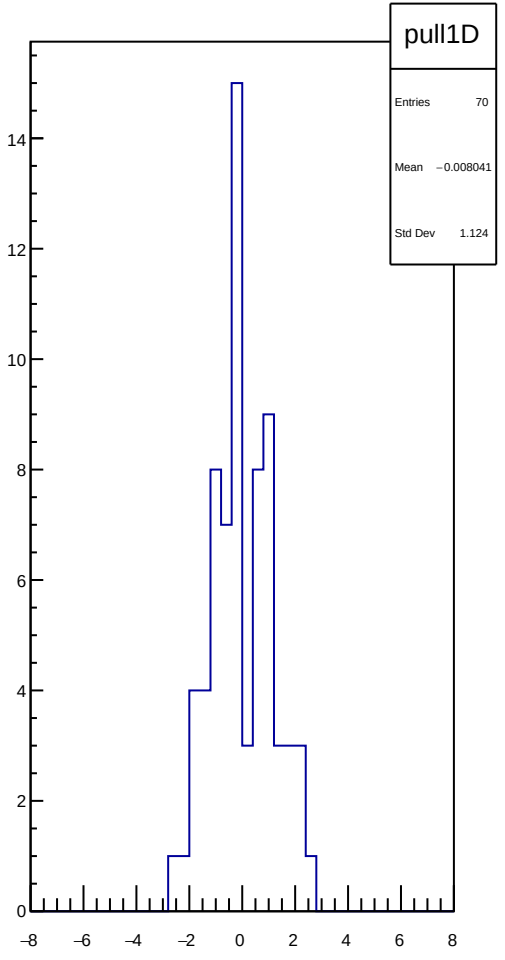

diff_bpm1p02bX_rms vs run
χ² / ndf 1925 / 69
p0 1049 ± 0.9138
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960

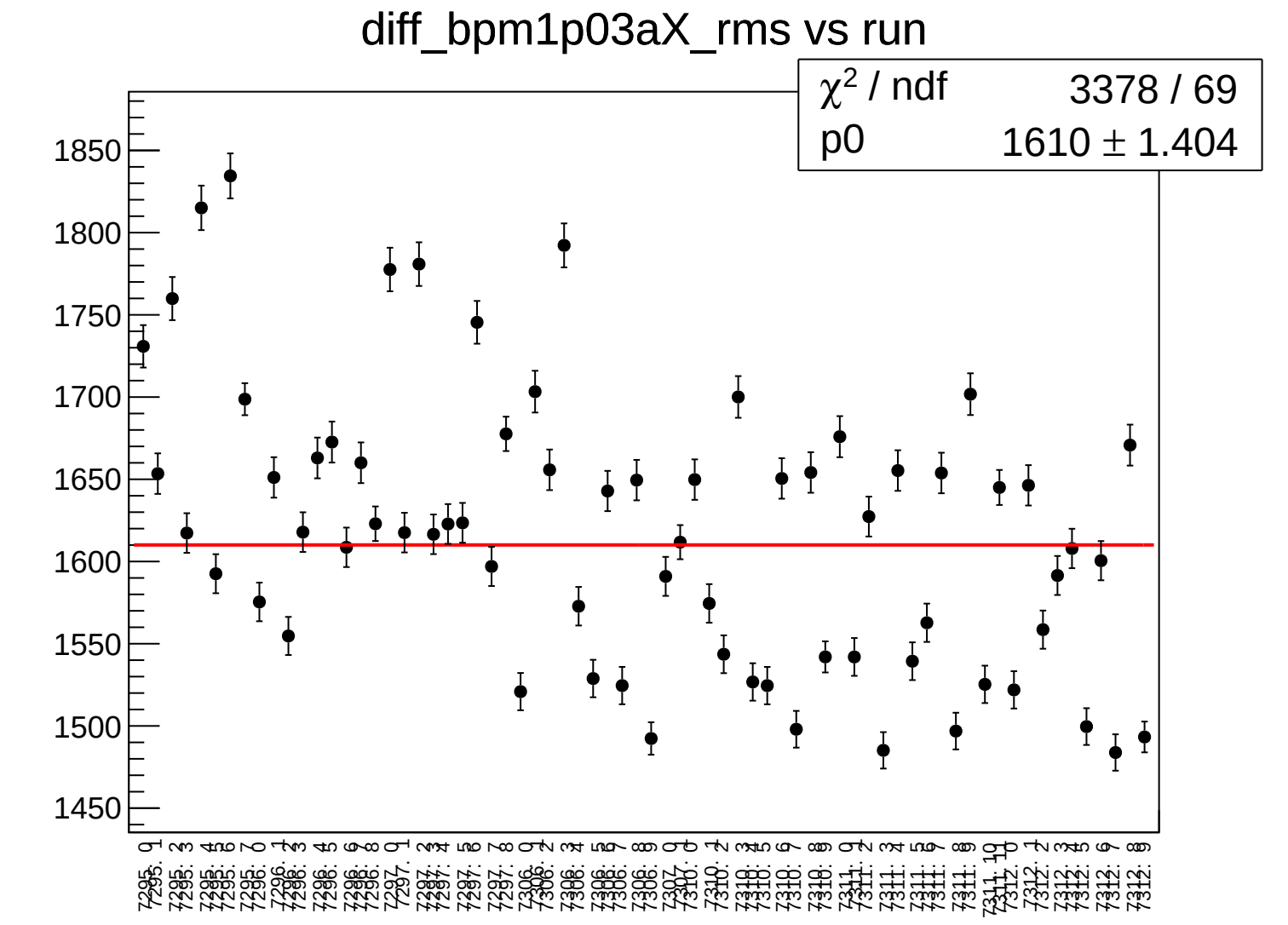

diff_bpm1p02bY_mean vs run
χ² / ndf 64.12 / 69
p0 2.975 ± 4.341
pull
Entries 70
Mean −23.15
Std Dev 0

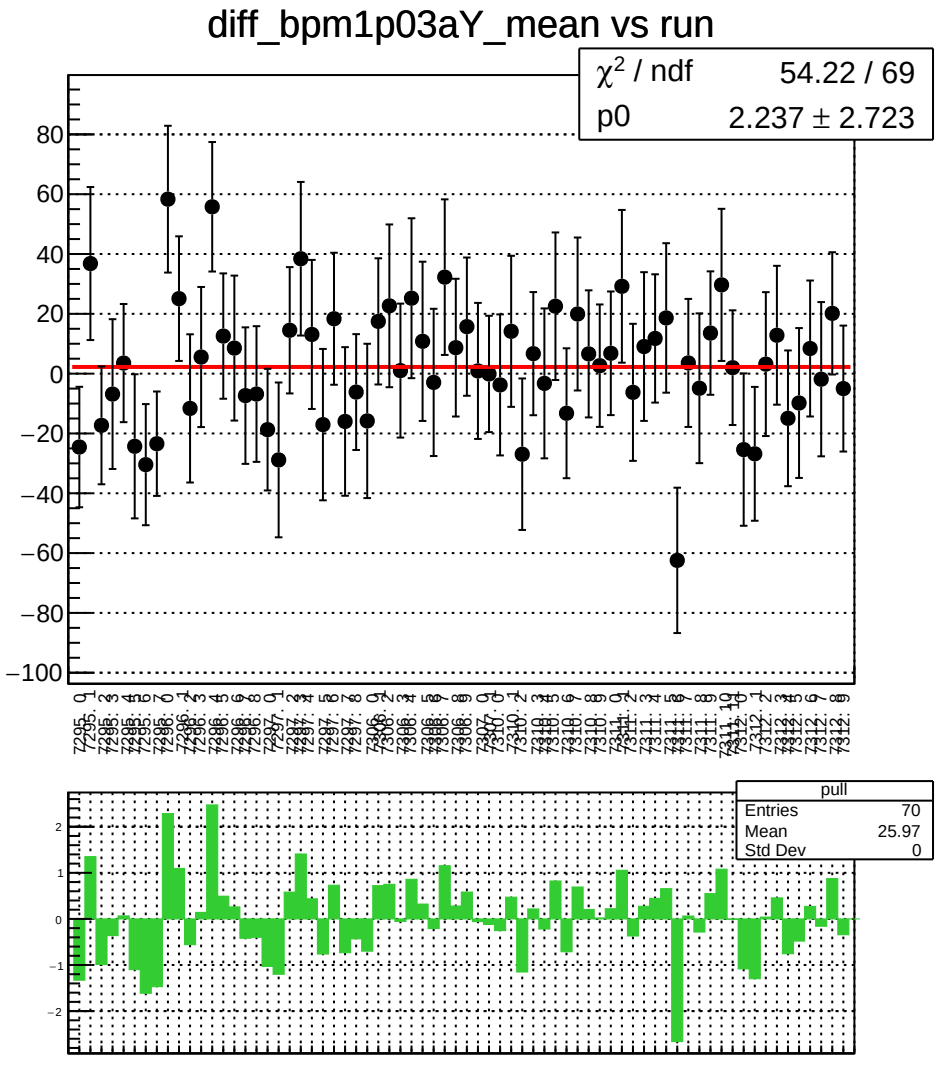

pull1D
Entries 70
Mean 0.0228
Std Dev 0.9568

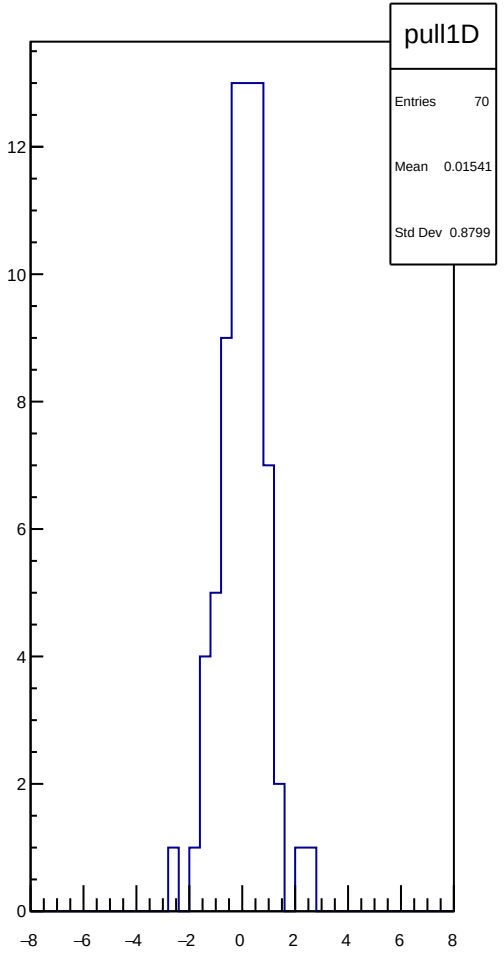

diff_bpm1p02bY_rms vs run
χ^2 / ndf 9211 / 69
p0 3513 ± 3.069
5000
4500
4000
3500
3000

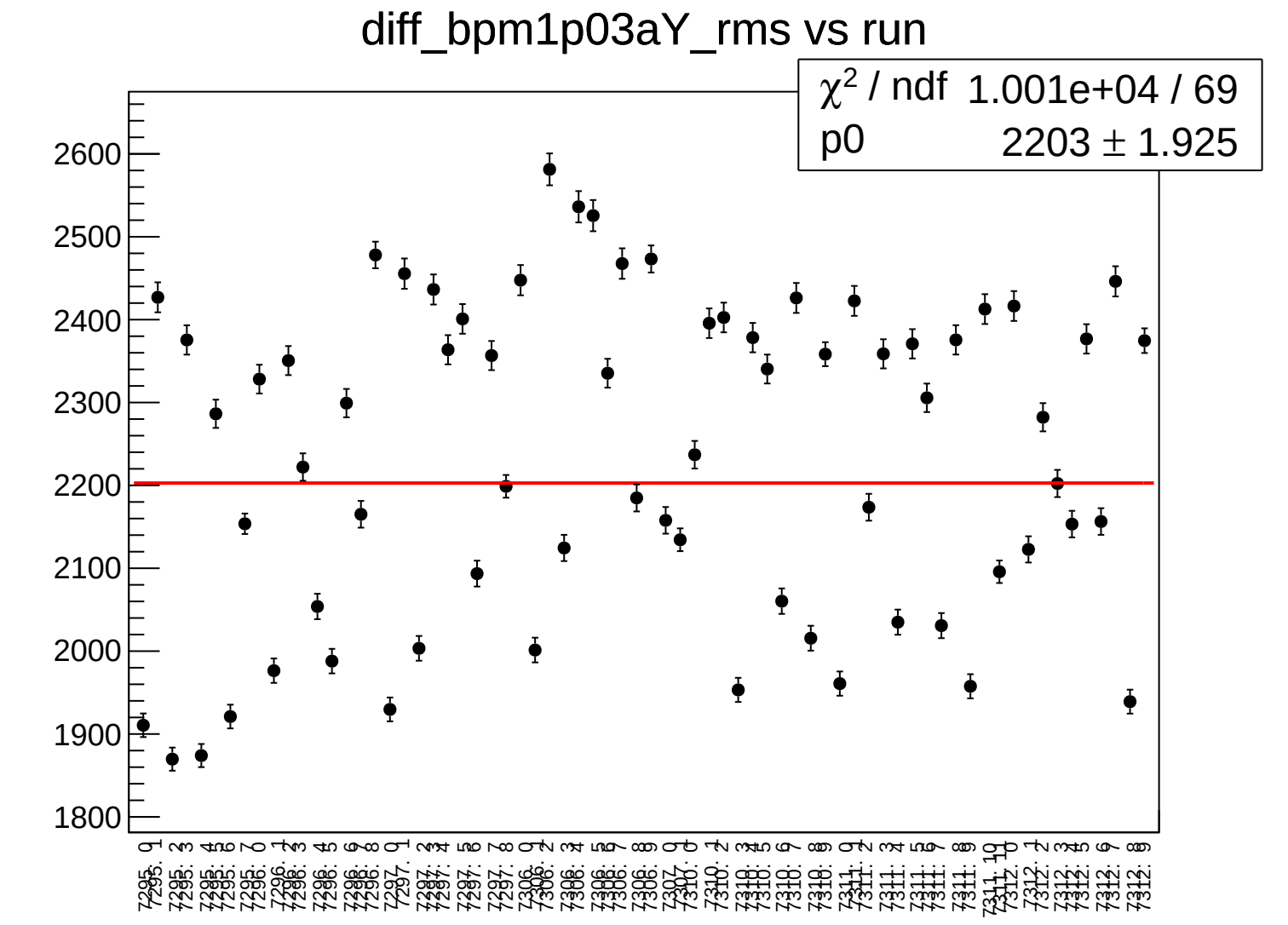

diff_bpm1p03aX_mean vs run
χ² / ndf 88.38 / 69
p0 −2.138 ± 1.985
pull
Entries 70
Mean 218.5
Std Dev 0

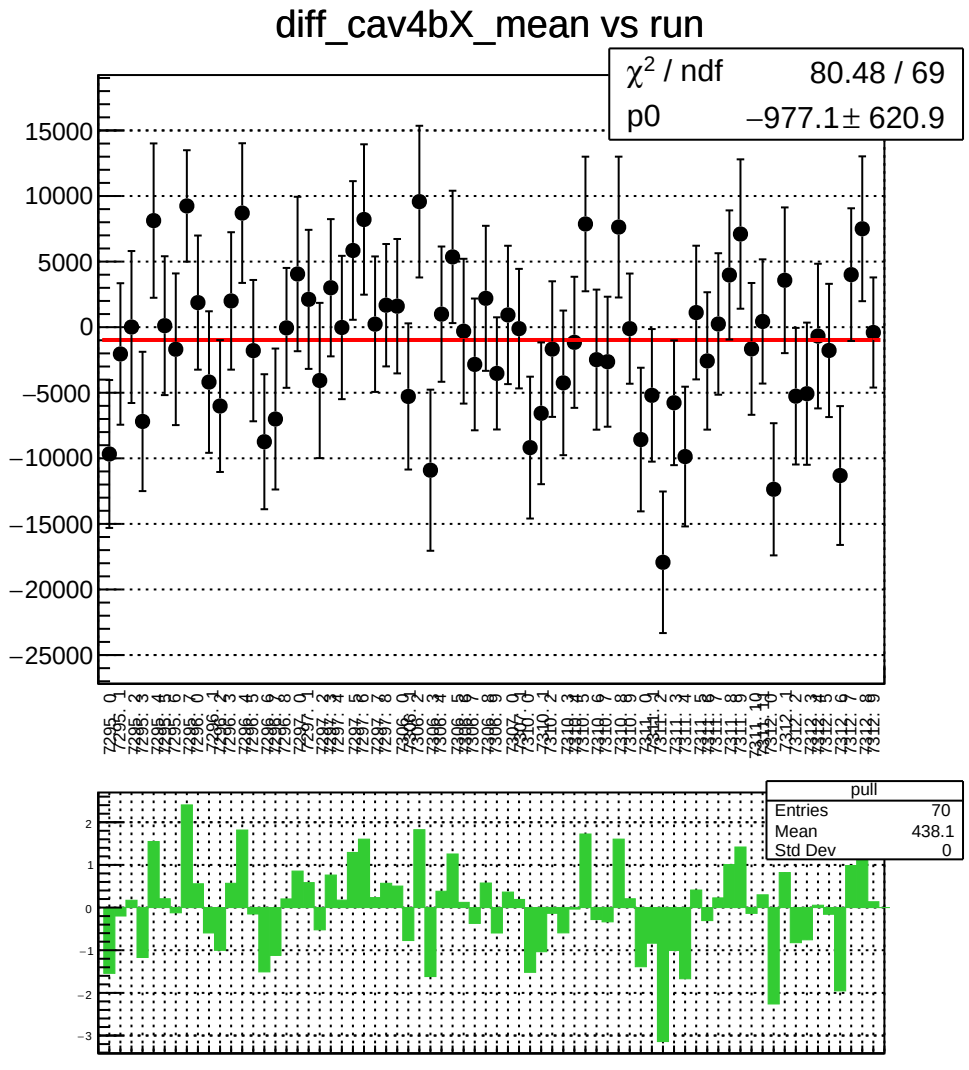

pull1D
Entries 70
Mean −0.008041
Std Dev 1.124

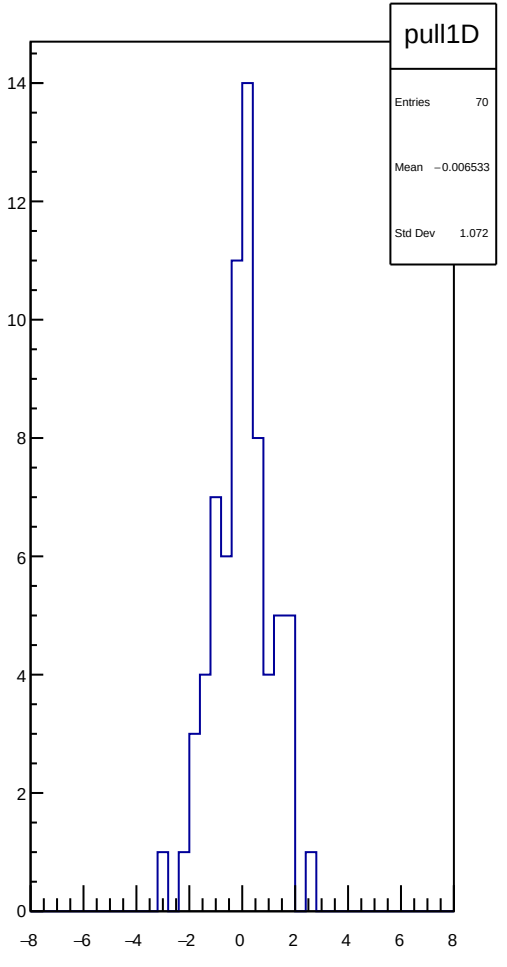

diff_bpm1p03aX_rms vs run
χ² / ndf 3378 / 69
p0 1610 ± 1.404
1850
1800
1750
1700
1650
1600
1550
1500
1450

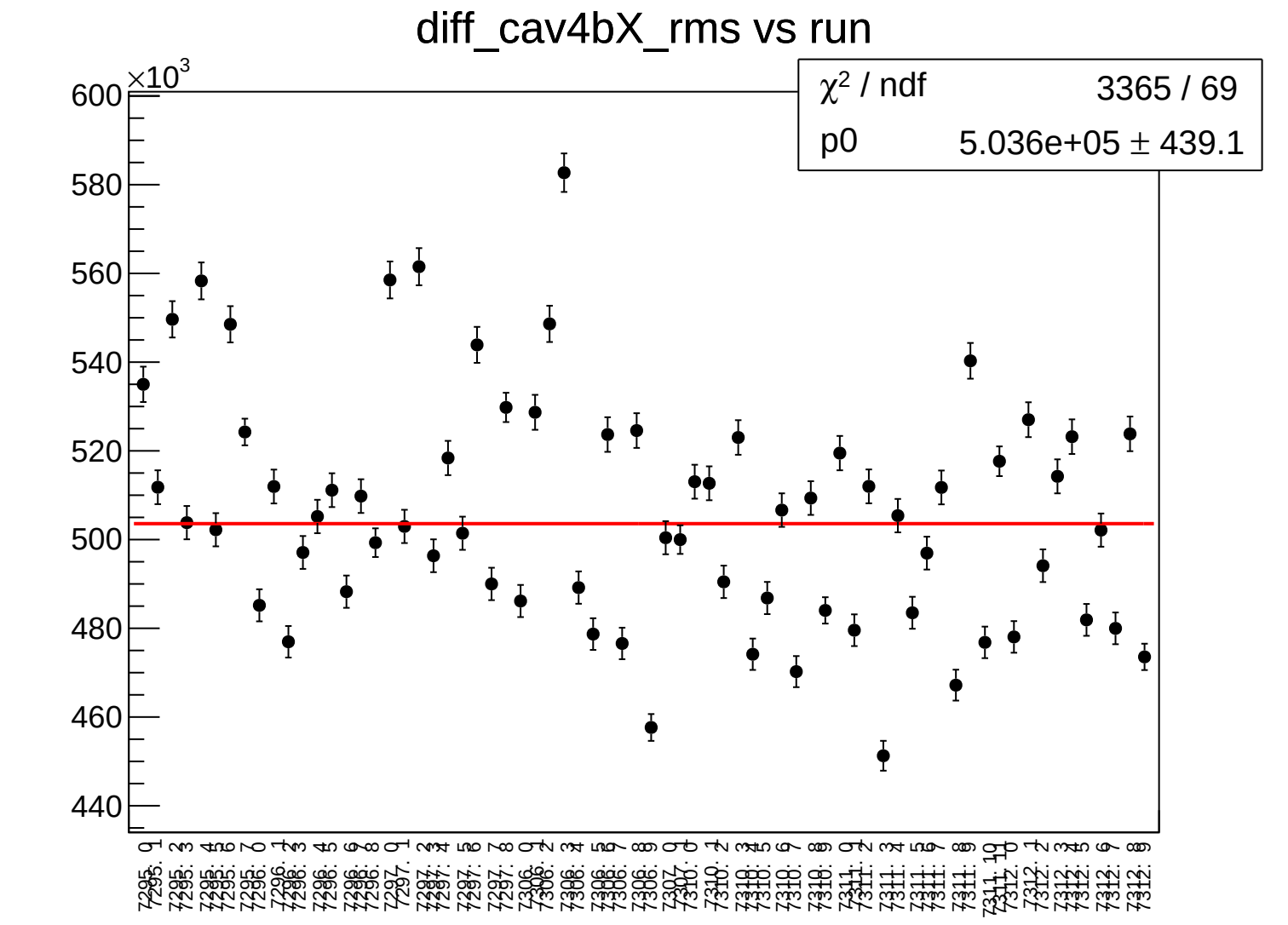

diff_bpm1p03aY_mean vs run
χ^2 / ndf 54.22 / 69
p0 2.237 ± 2.723
pull
Entries 70
Mean 25.97
Std Dev 0

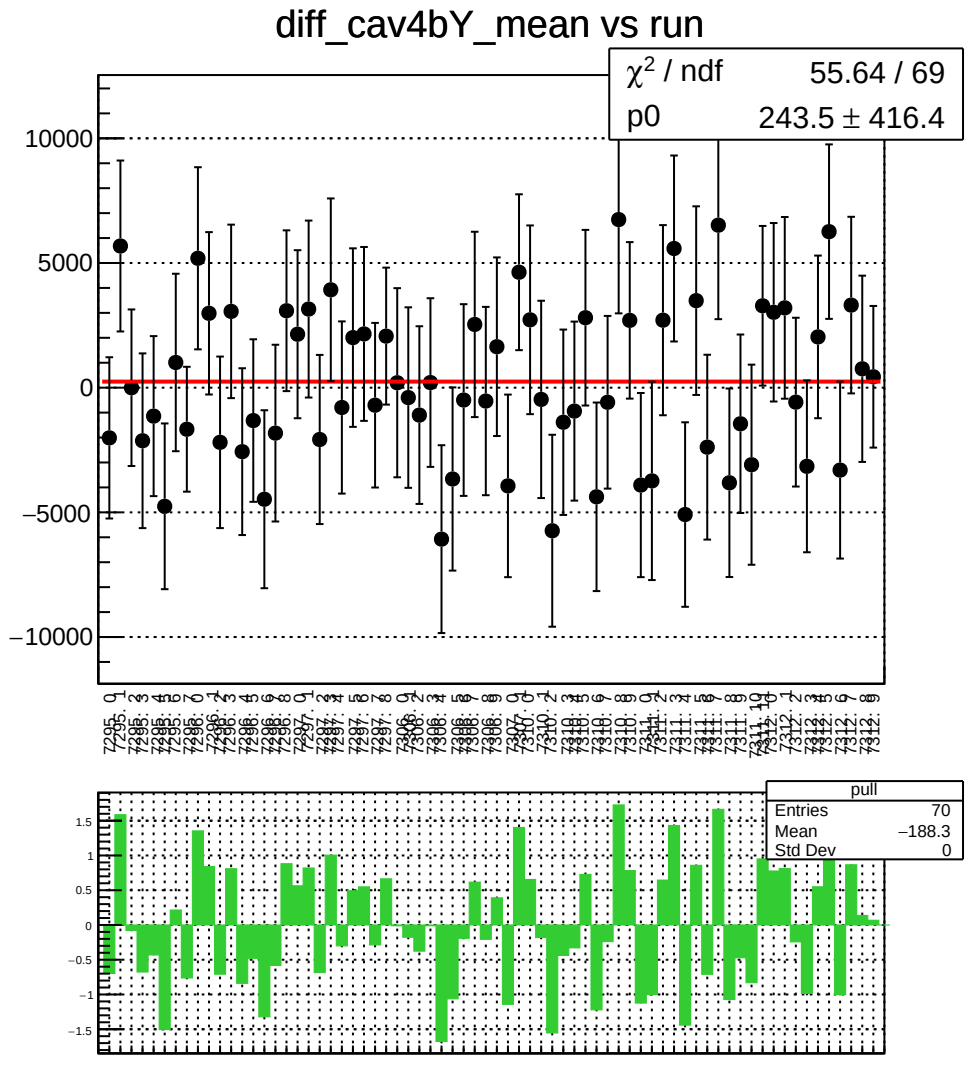

pull1D
Entries 70
Mean 0.01541
Std Dev 0.8799

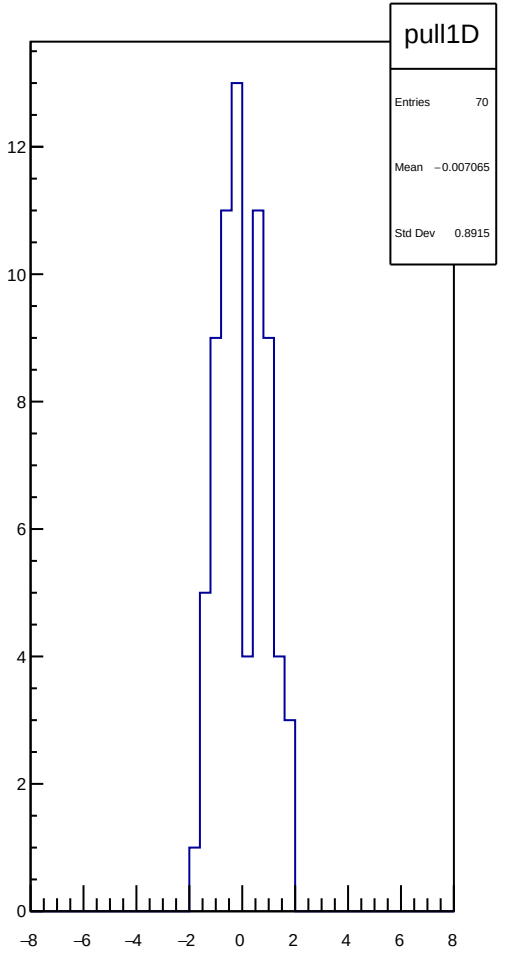

diff_bpm1p03aY_rms vs run
χ² / ndf 1.001e+04 / 69
p0 2203 ± 1.925
2600
2500
2400
2300
2200
2100
2000
1900
1800

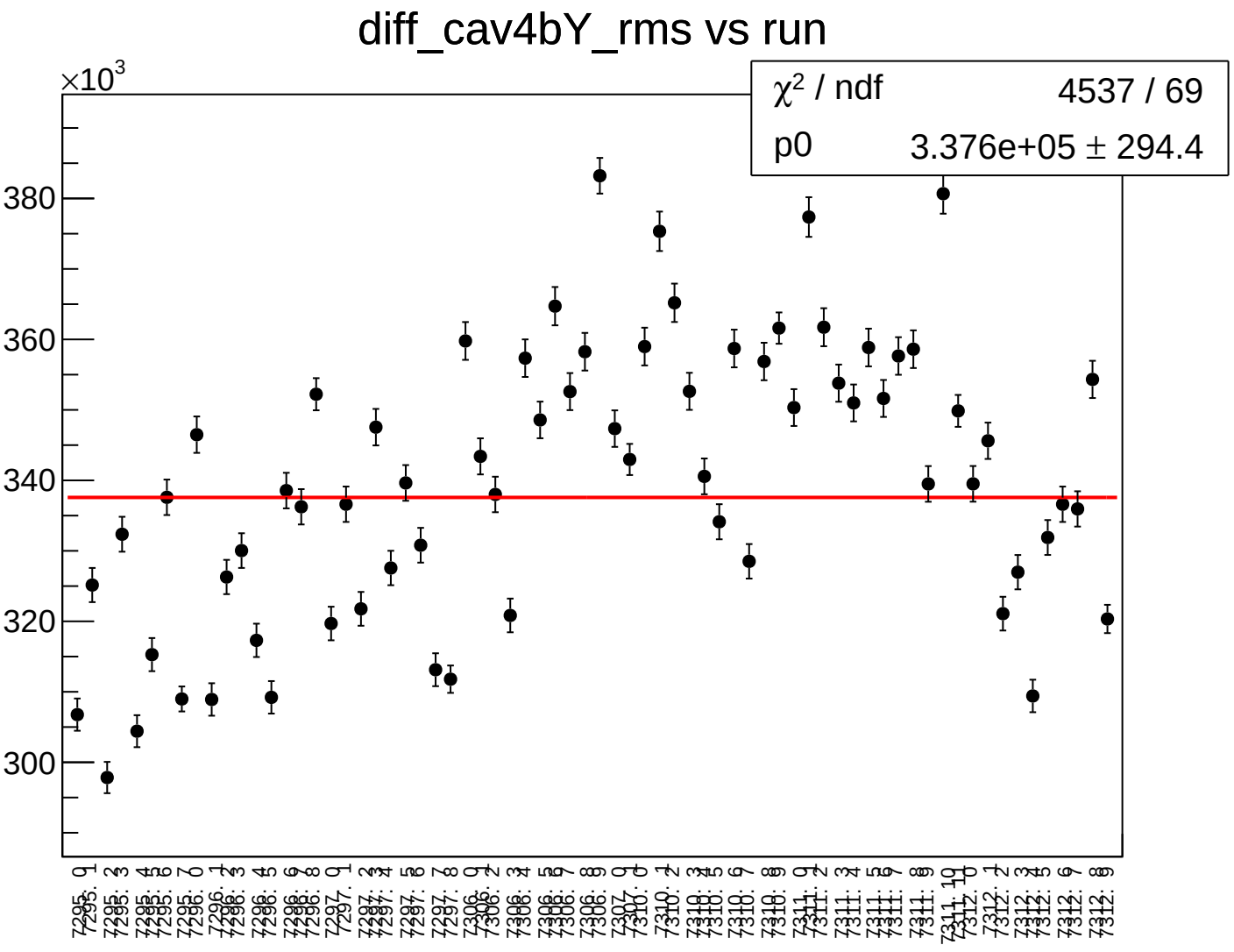

diff_cav4bX_mean vs run
χ^2 / ndf 80.48 / 69
p0 −977.1± 620.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 70
Mean 438.1
Std Dev 0
2
1
0
−1
−2
−3

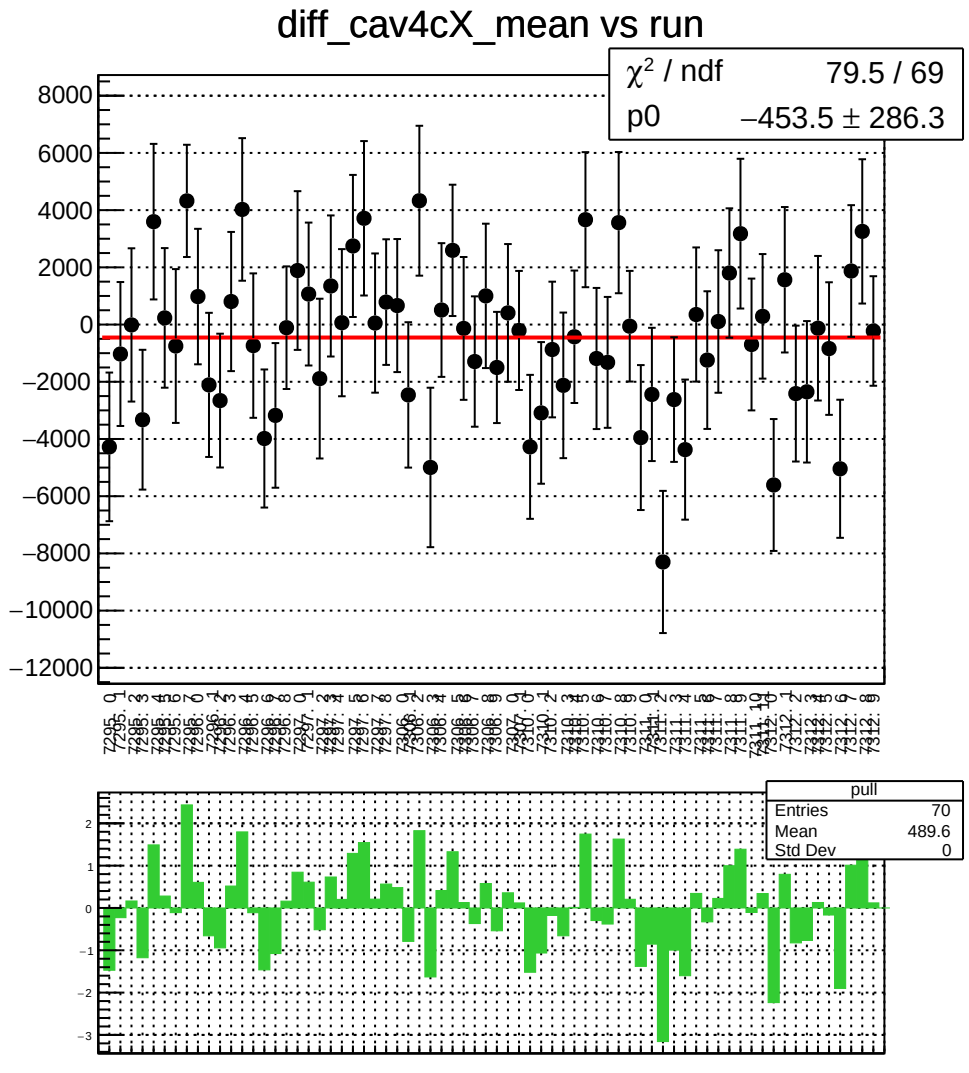

pull1D
Entries 70
Mean −0.006533
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

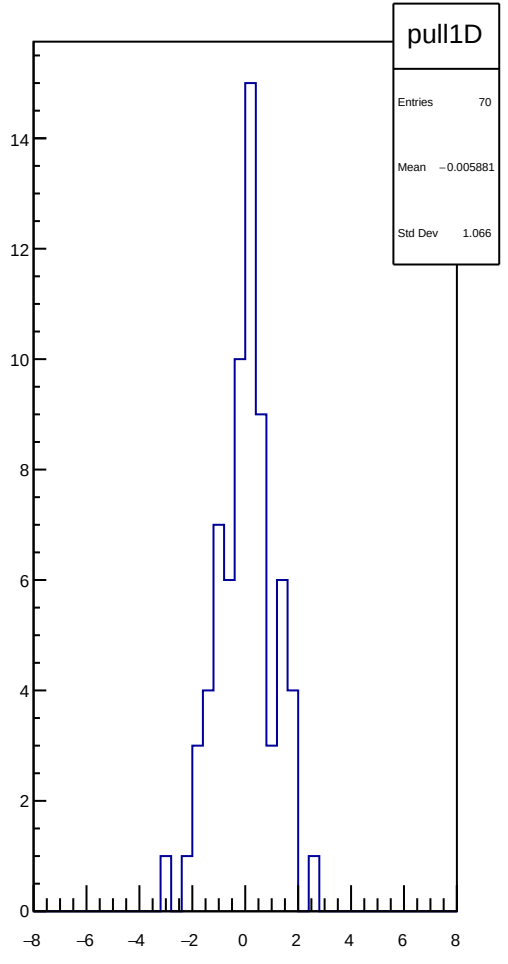

diff_cav4bX_rms vs run
χ² / ndf 3365 / 69
p0 5.036e+05 ± 439.1
×10³
600
580
560
540
520
500
480
460
440

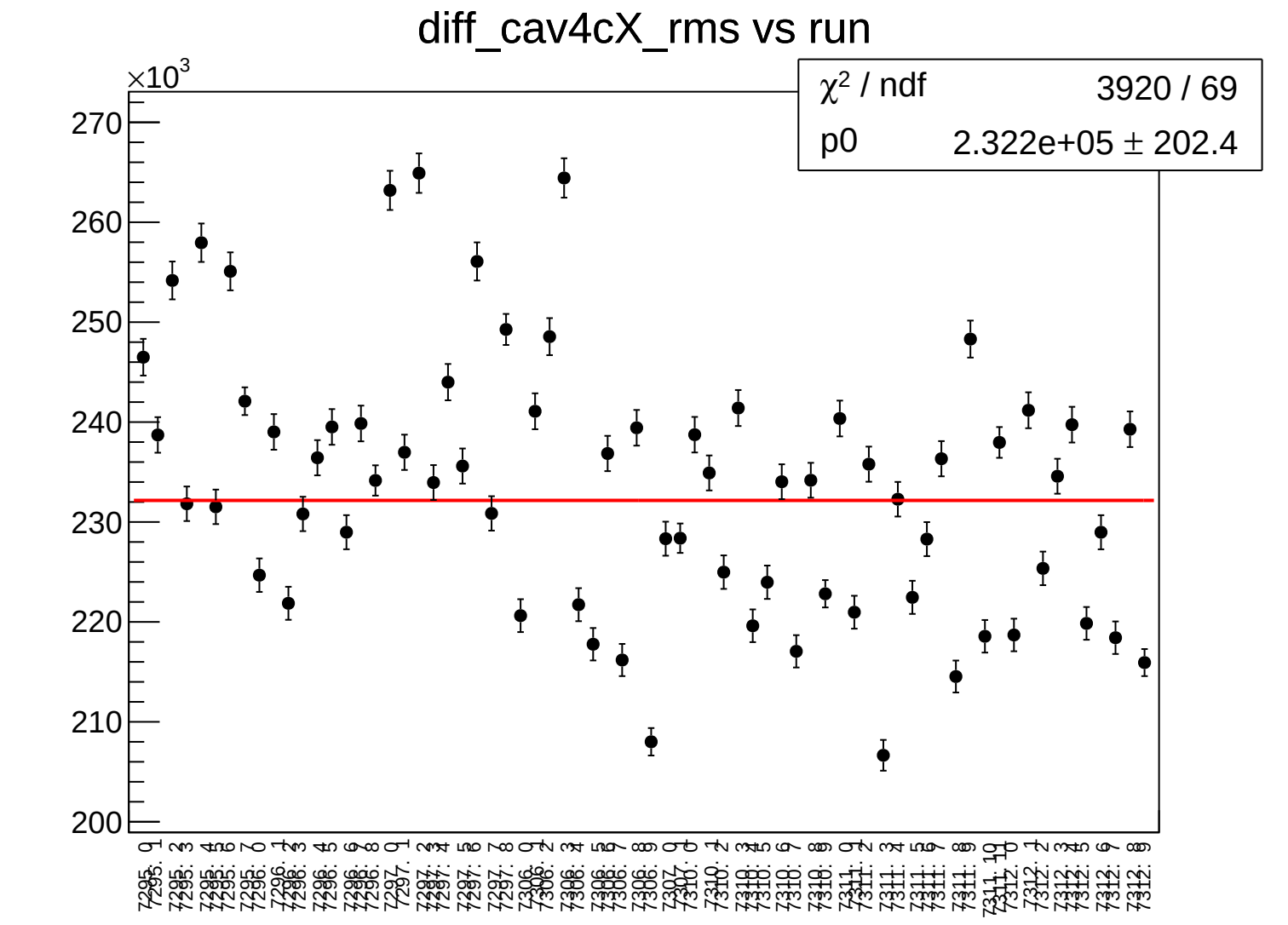

diff_cav4bY_mean vs run
χ² / ndf 55.64 / 69
p0 243.5 ± 416.4
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −188.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

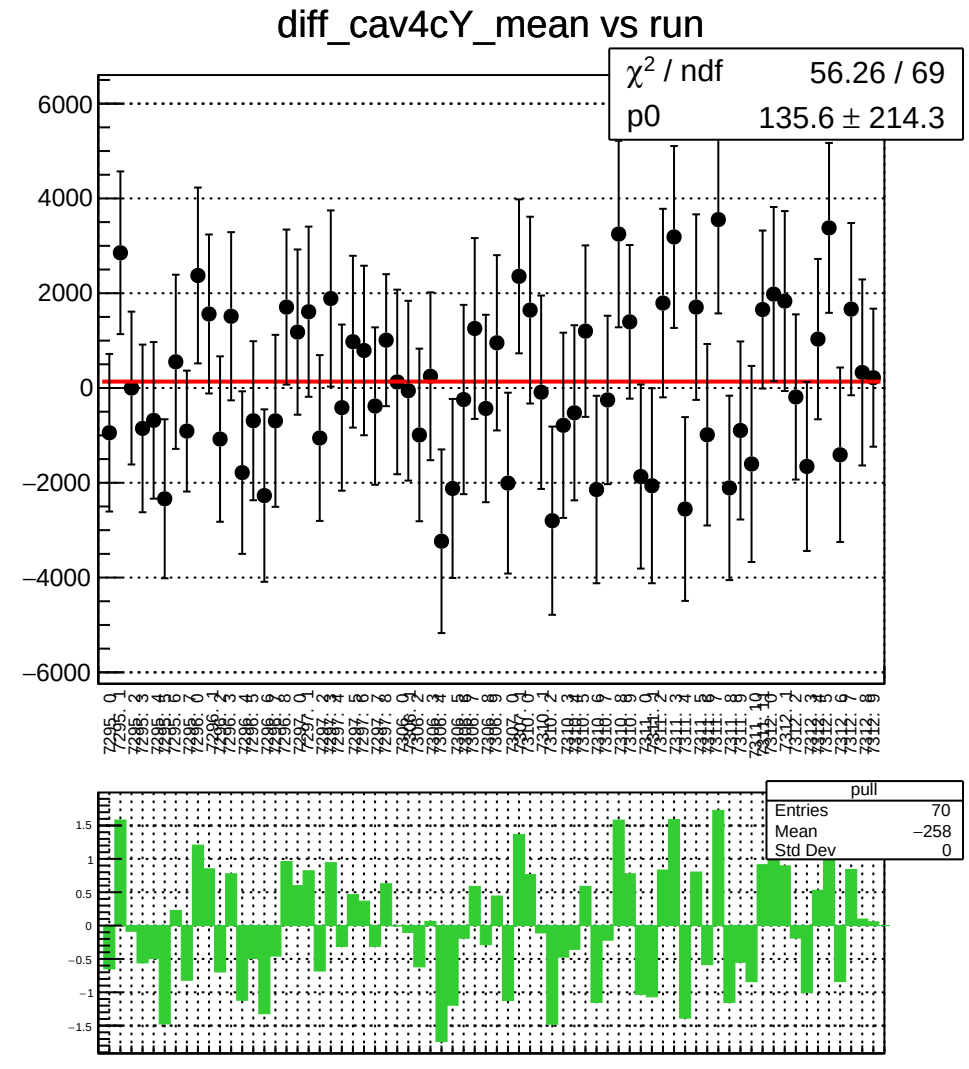

pull1D
Entries 70
Mean −0.007065
Std Dev 0.8915
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

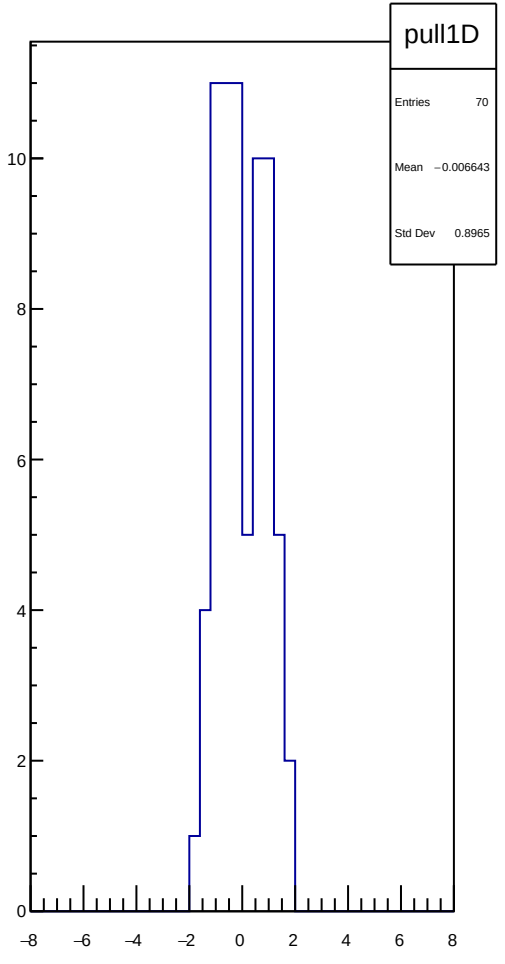

diff_cav4bY_rms vs run
×10^3
χ² / ndf 4537 / 69
p0 3.376e+05 ± 294.4
380
360
340
320
300

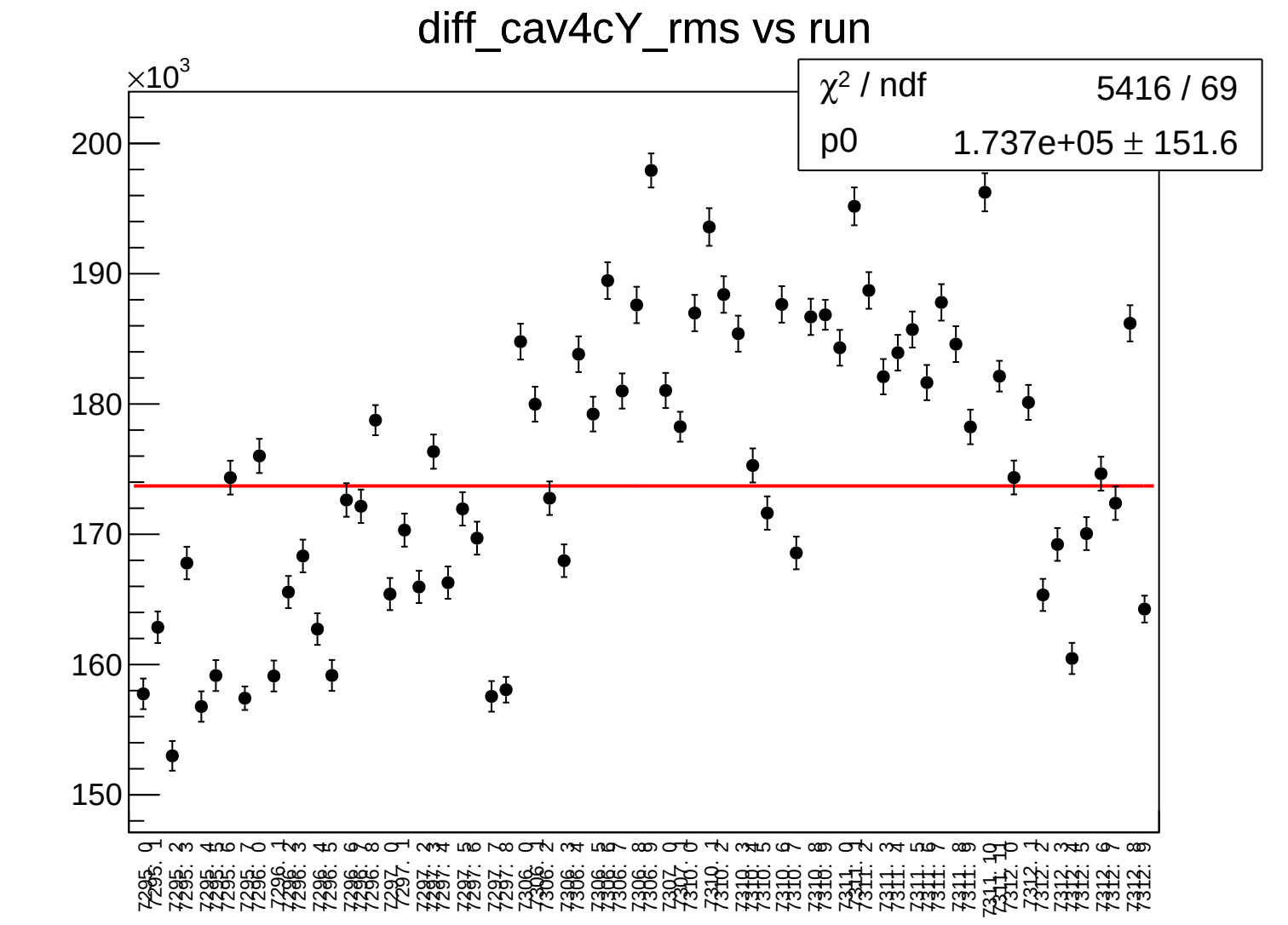

diff_cav4cX_mean vs run
χ² / ndf 79.5 / 69
p0 −453.5 ± 286.3
pull
Entries 70
Mean 489.6
Std Dev 0

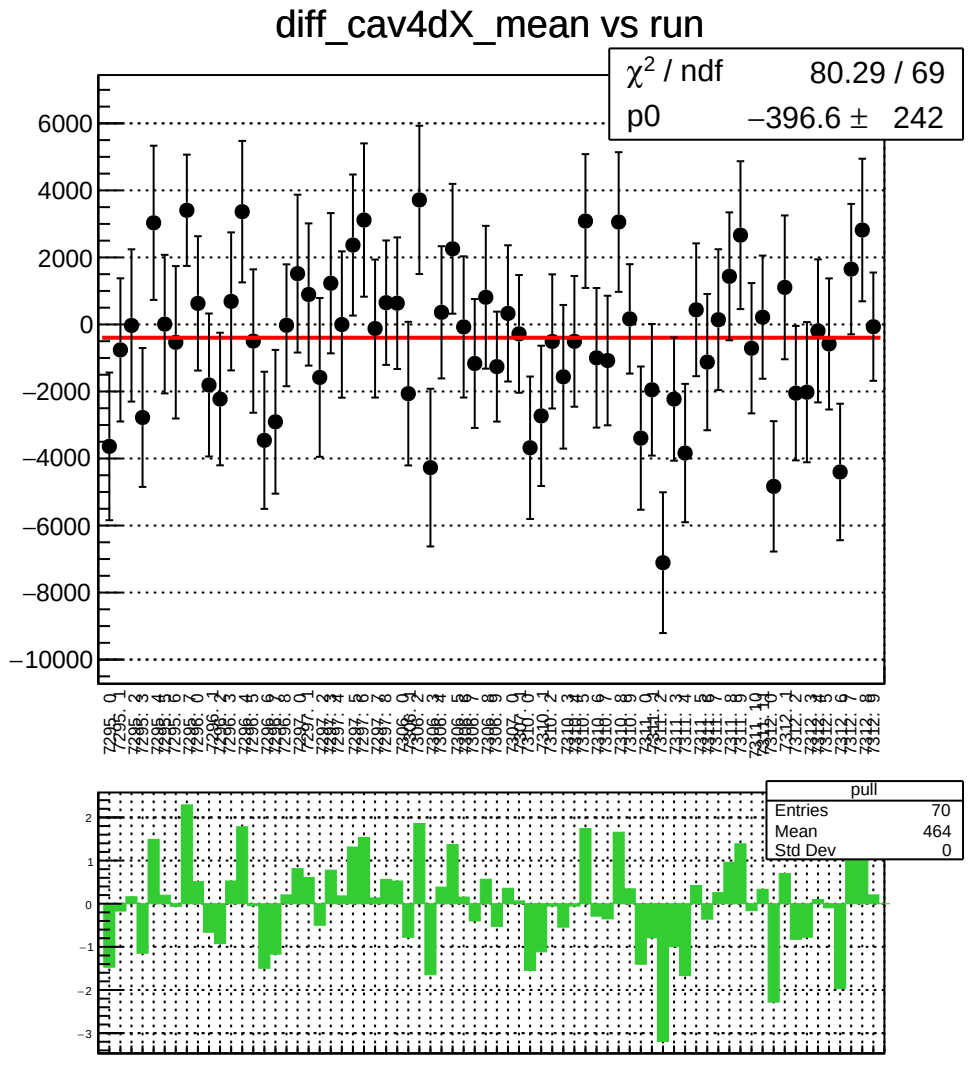

pull1D
Entries 70
Mean −0.005881
Std Dev 1.066

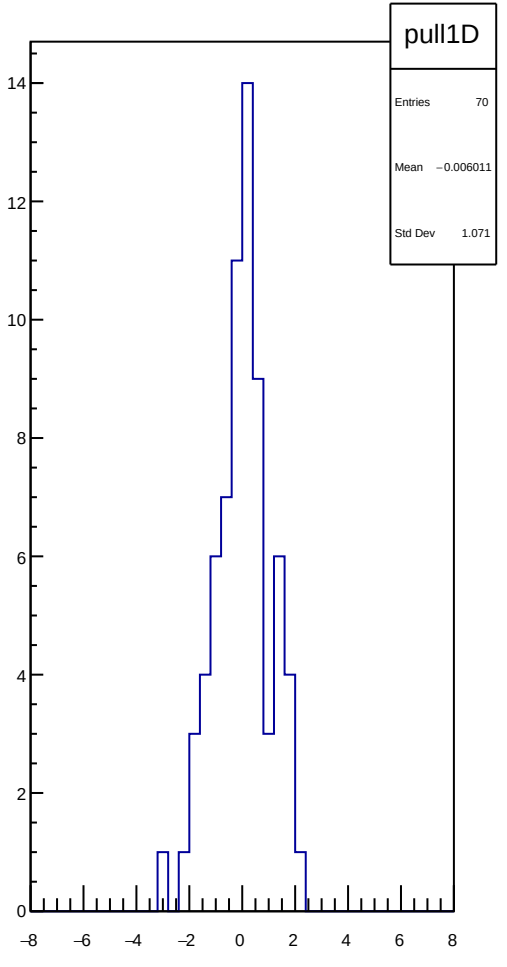

diff_cav4cX_rms vs run
×10^3
270
260
250
240
230
220
210
200
χ² / ndf 3920 / 69
p0 2.322e+05 ± 202.4

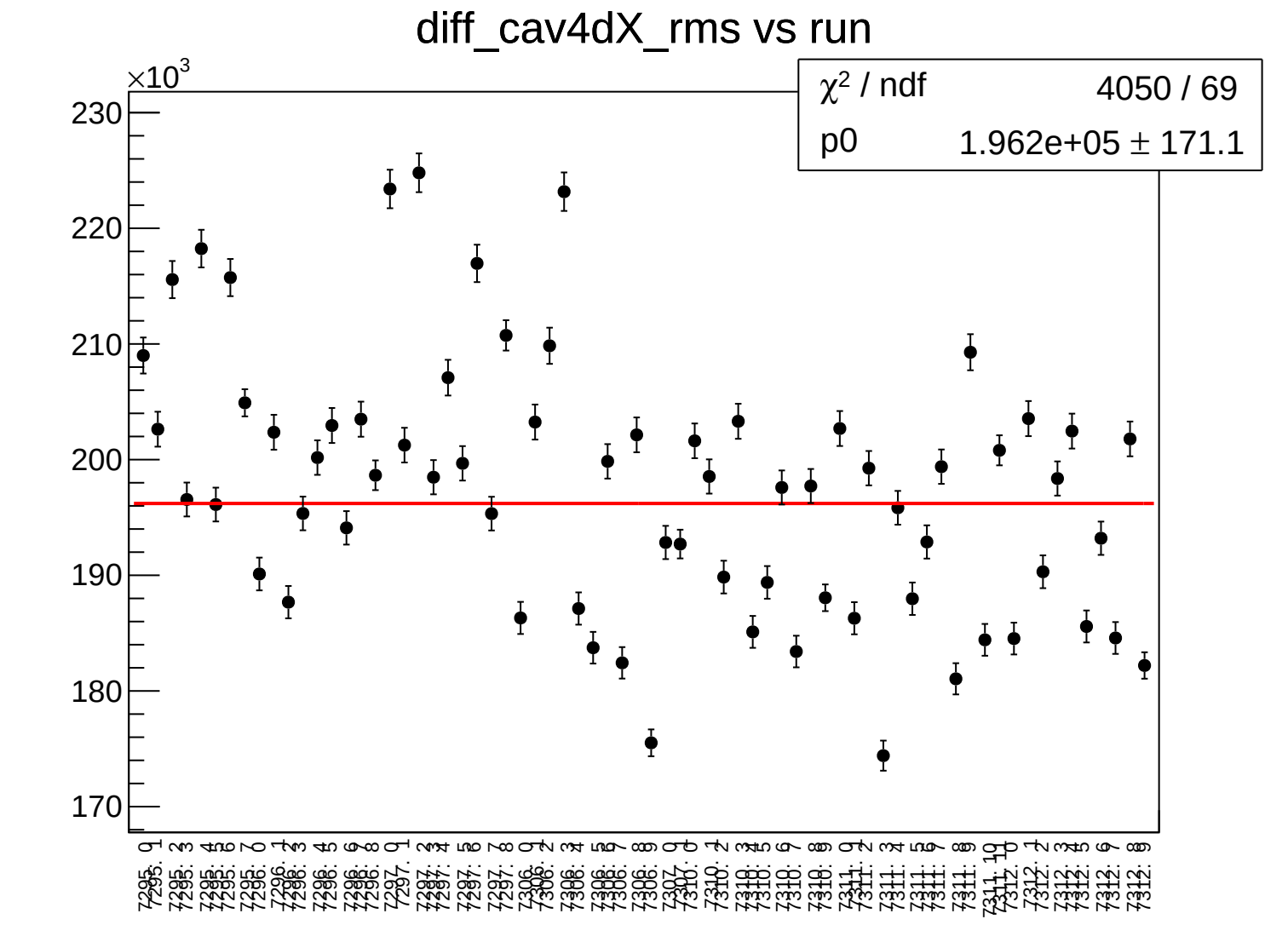

diff_cav4cY_mean vs run
χ^2 / ndf 56.26 / 69
p0 135.6 ± 214.3
pull
Entries 70
Mean −258
Std Dev 0

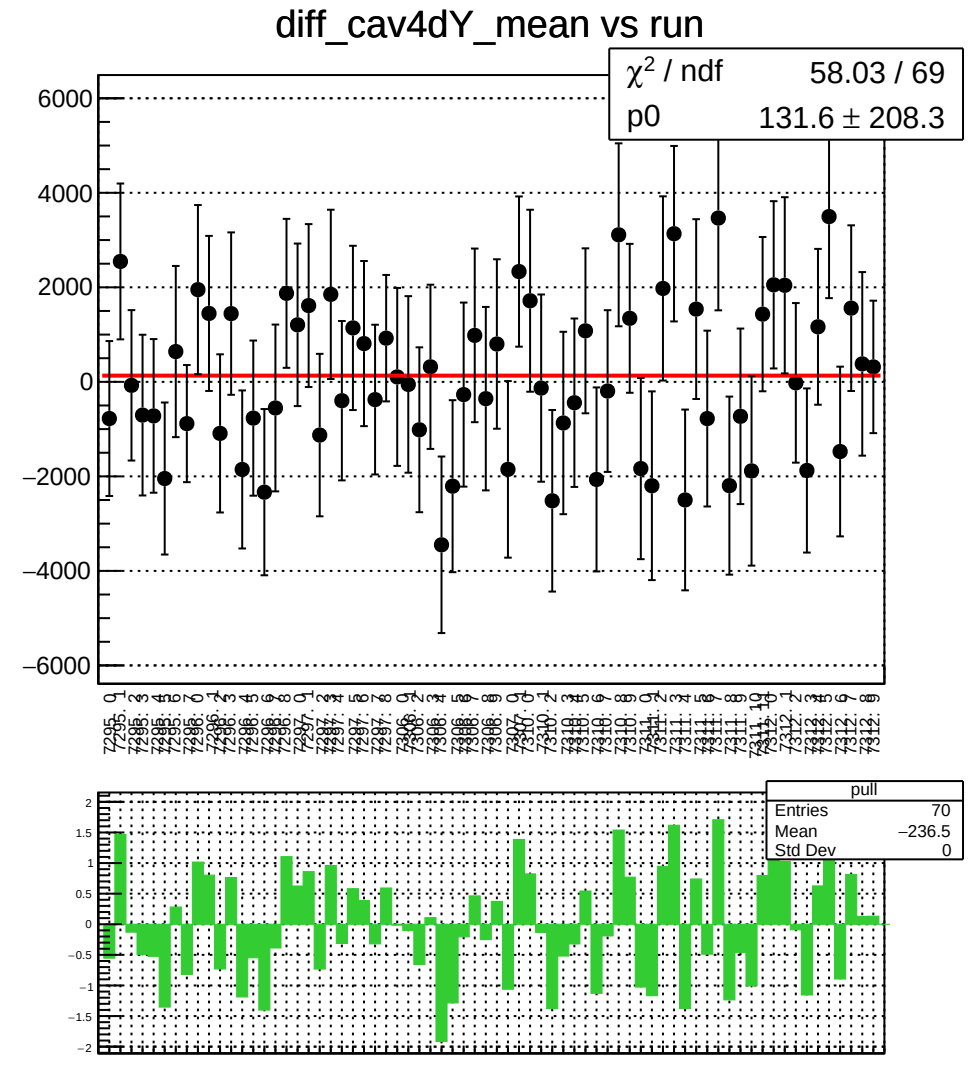

pull1D
Entries 70
Mean −0.006643
Std Dev 0.8965

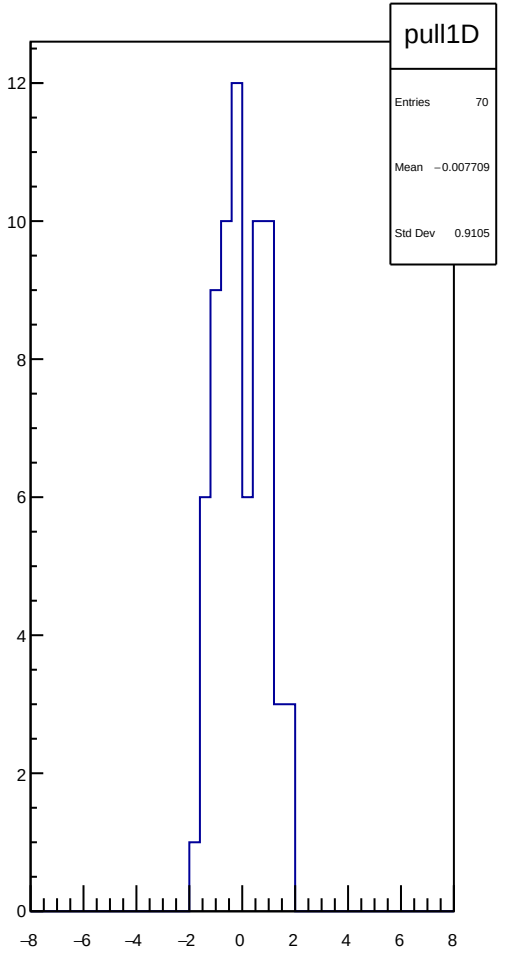

diff_cav4cY_rms vs run
×10^3
200
190
180
170
160
150
χ² / ndf 5416 / 69
p0 1.737e+05 ± 151.6

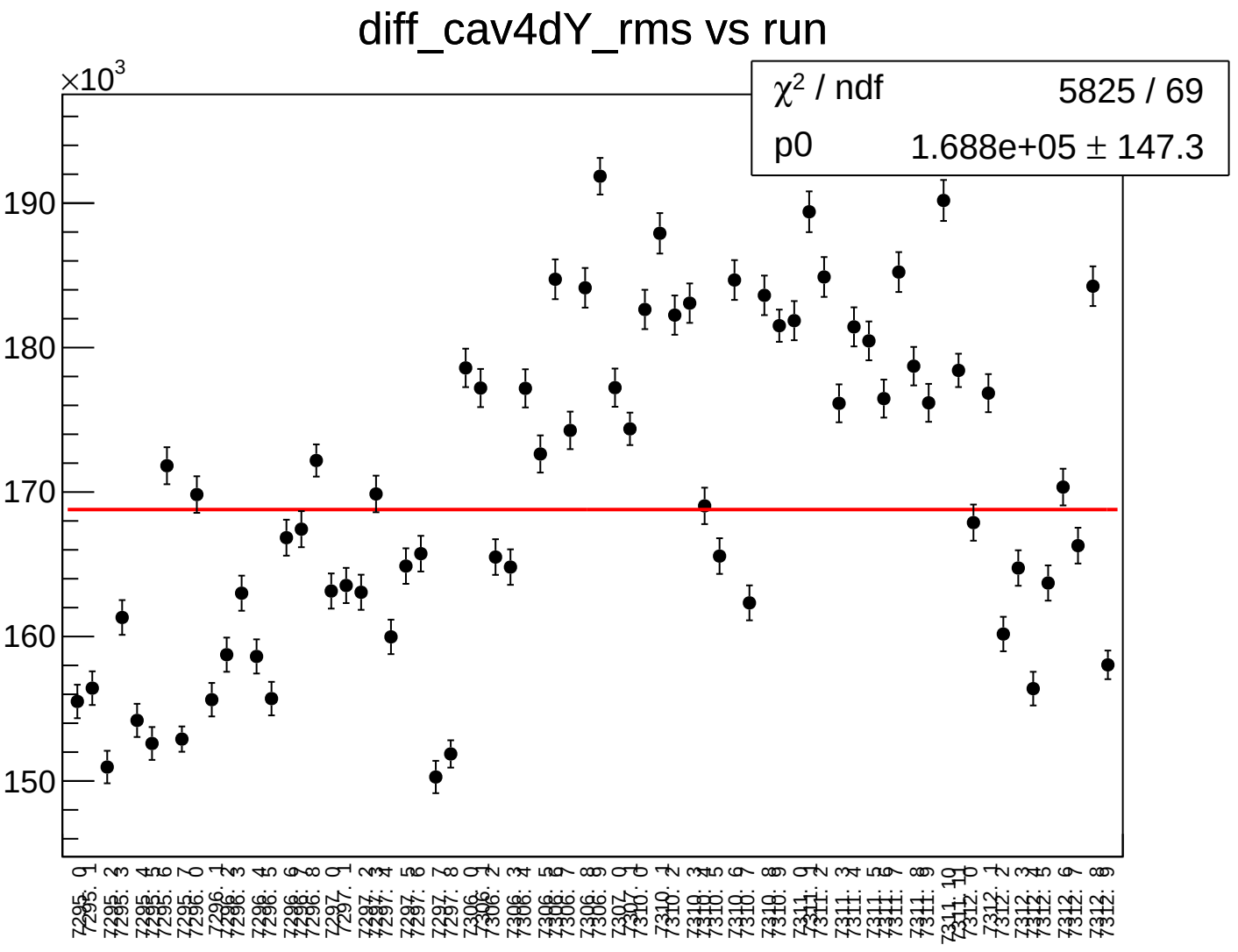

diff_cav4dX_mean vs run
χ² / ndf 80.29 / 69
p0 −396.6 ± 242
pull
Entries 70
Mean 464
Std Dev 0

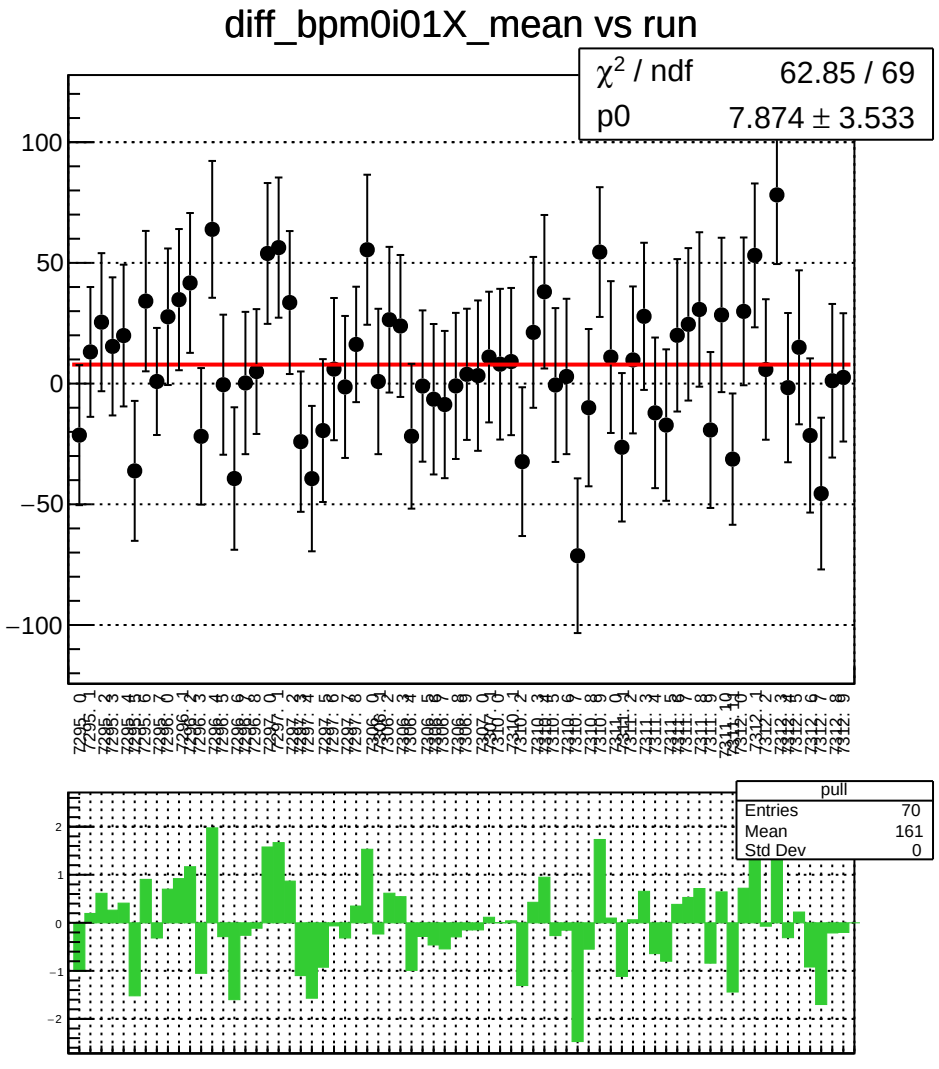

pull1D
Entries 70
Mean −0.006011
Std Dev 1.071

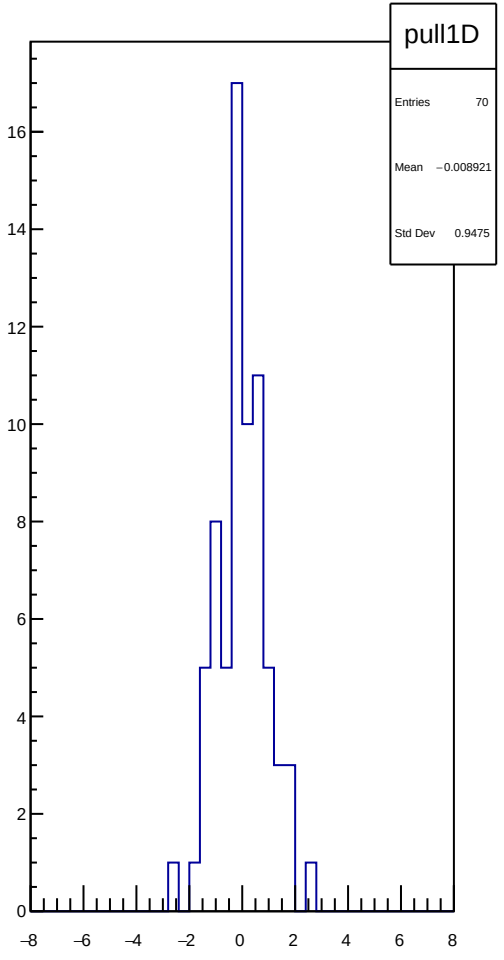

diff_cav4dX_rms vs run
×10^3
230
220
210
200
190
180
170
χ² / ndf 4050 / 69
p0 1.962e+05 ± 171.1

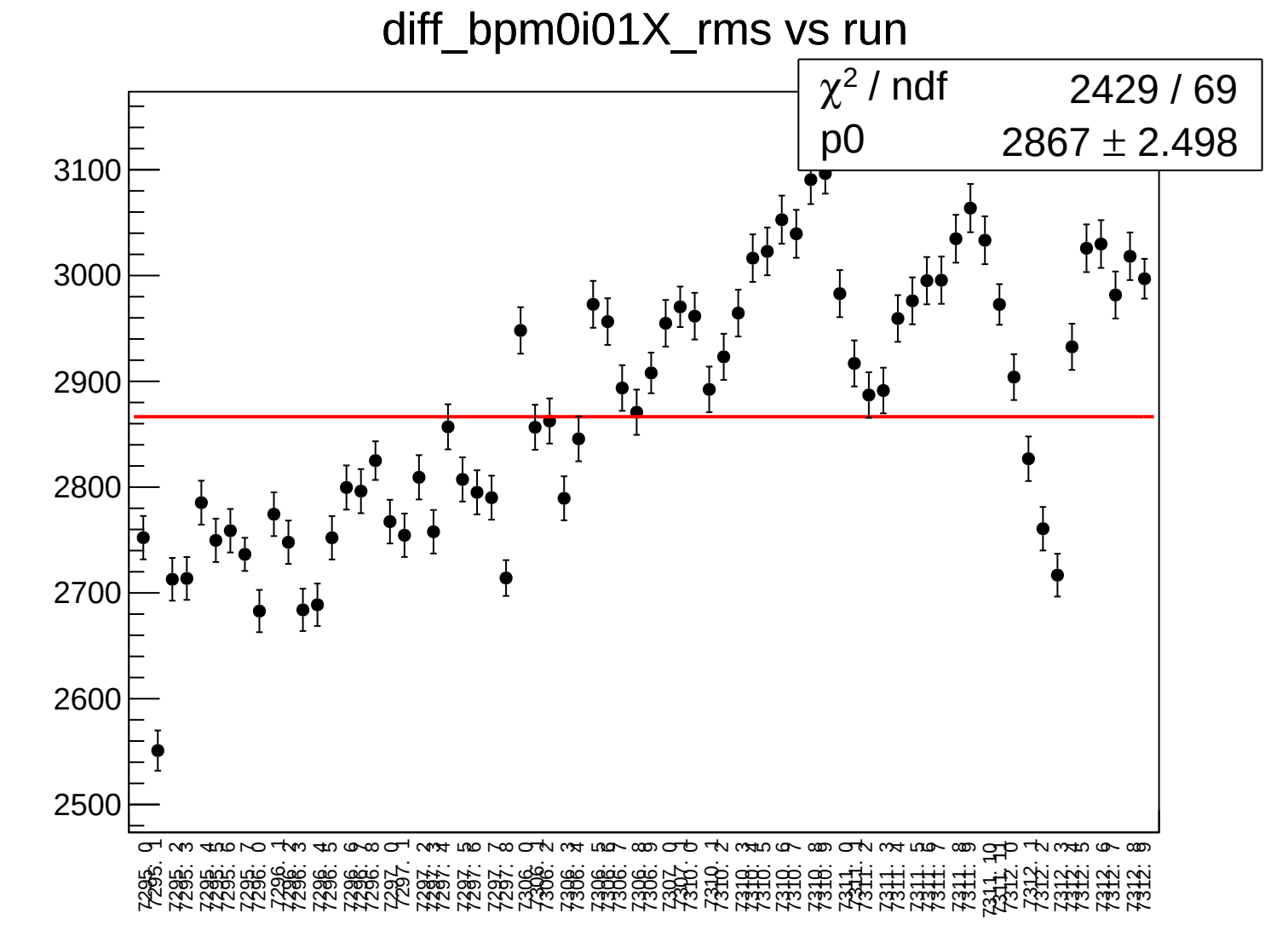

diff_cav4dY_mean vs run
χ² / ndf 58.03 / 69
p0 131.6 ± 208.3
pull
Entries 70
Mean −236.5
Std Dev 0

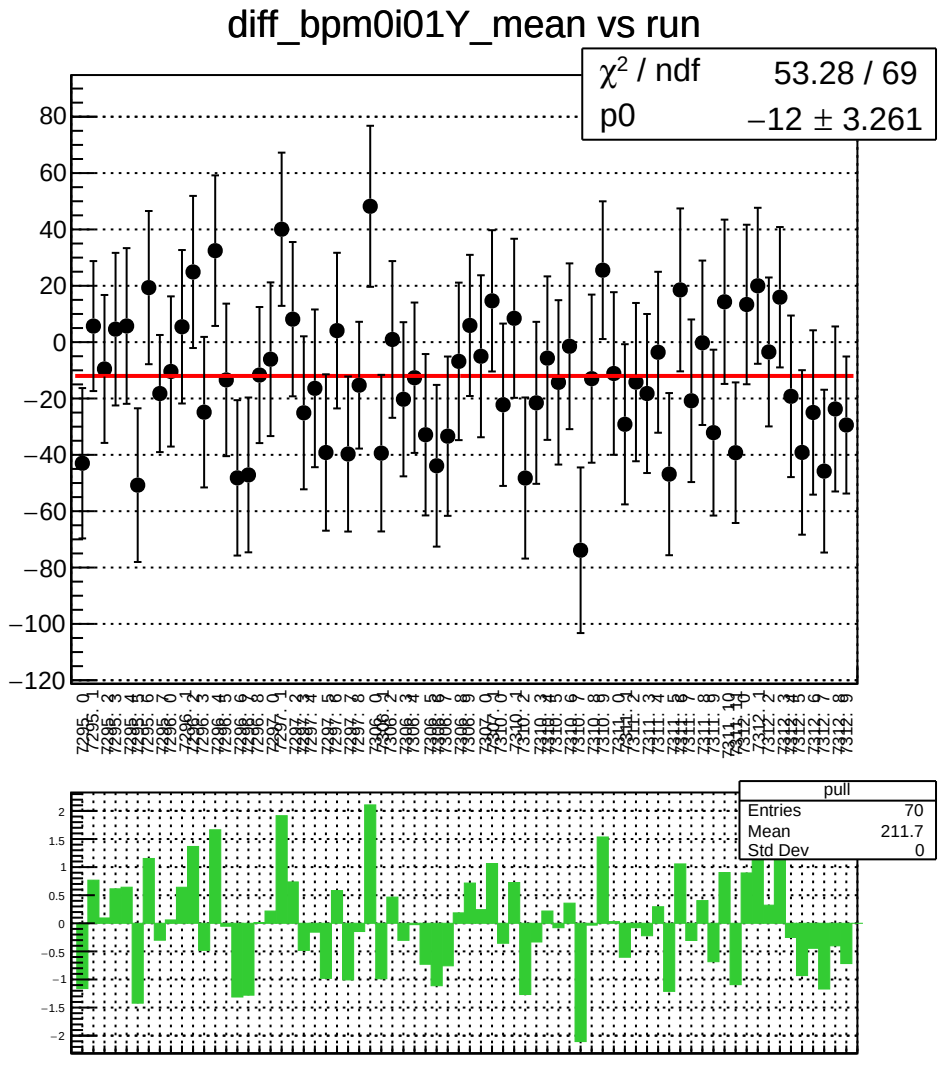

pull1D
Entries 70
Mean −0.007709
Std Dev 0.9105

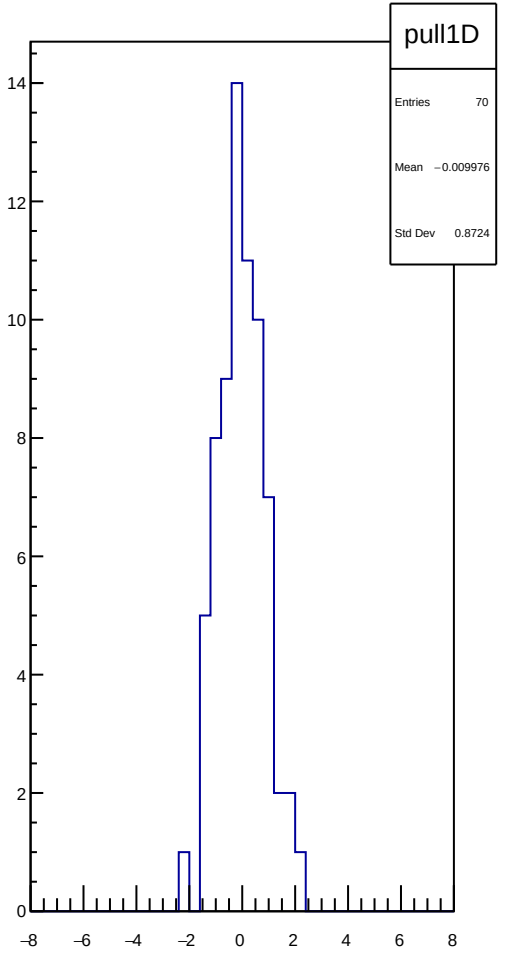

diff_cav4dY_rms vs run
×10^3
χ² / ndf 5825 / 69
p0 1.688e+05 ± 147.3
190
180
170
160
150

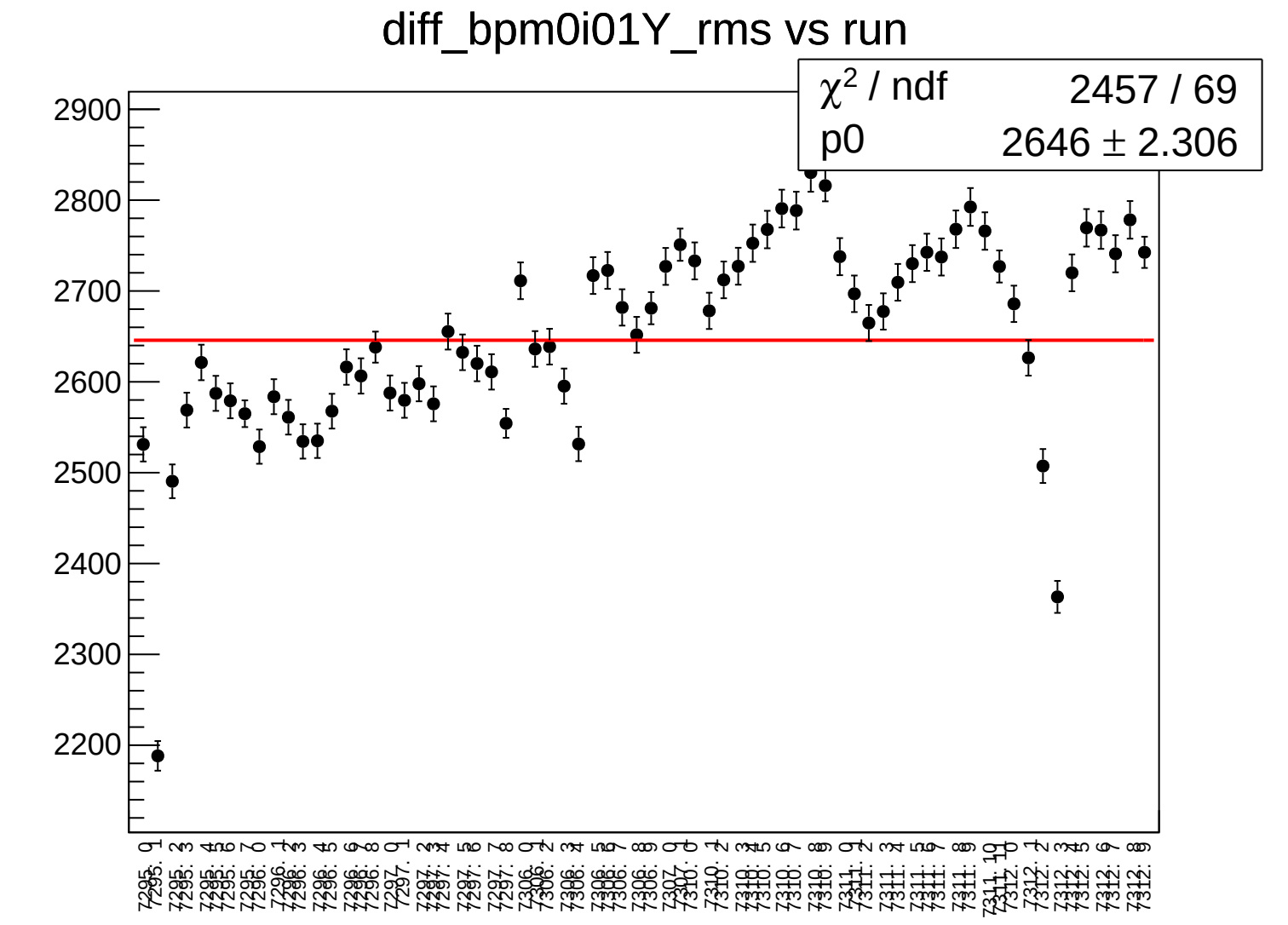

diff_bpm0i01X_mean vs run
χ² / ndf 62.85 / 69
p0 7.874 ± 3.533
100
50
0
−50
−100
pull
Entries 70
Mean 161
Std Dev 0
2
1
0
−1
−2

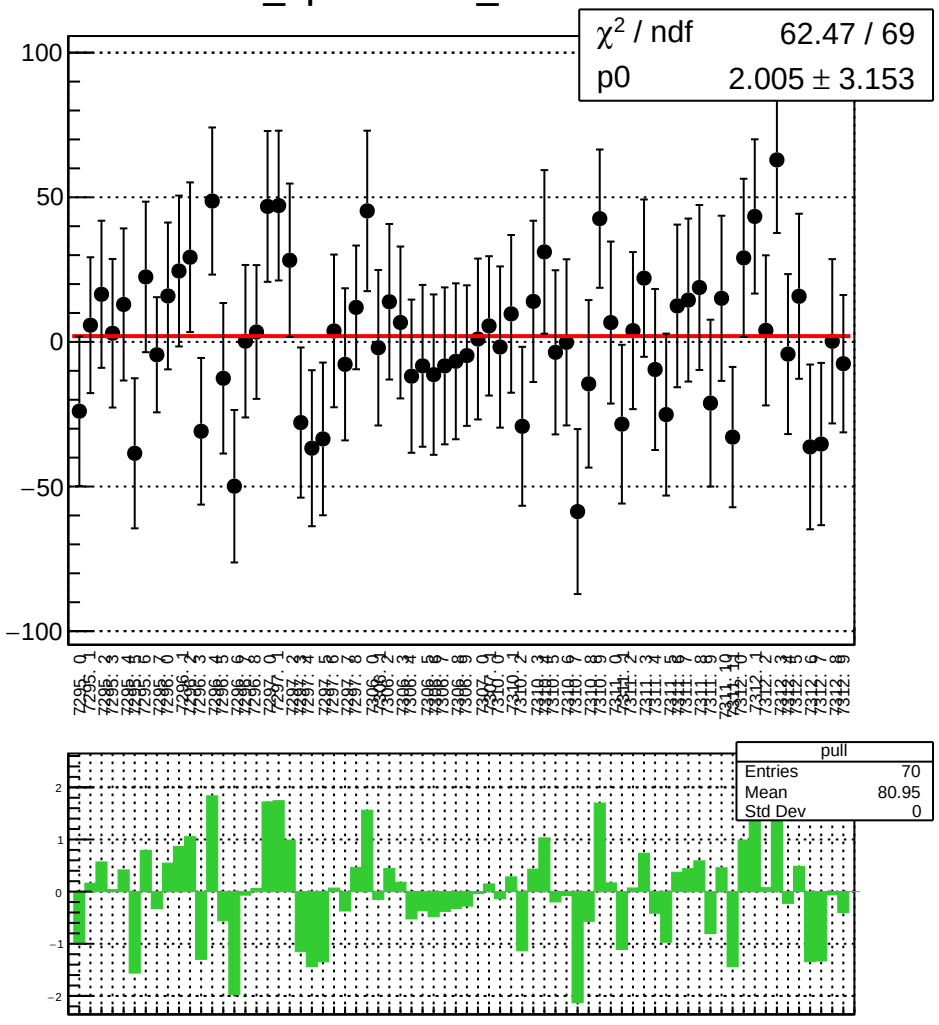

pull1D
Entries 70
Mean −0.008921
Std Dev 0.9475
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

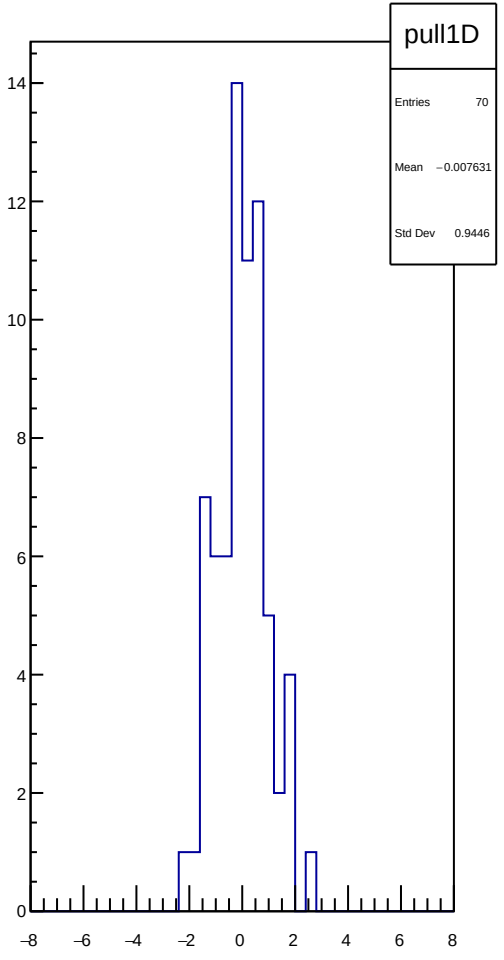

diff_bpm0i01X_rms vs run
χ² / ndf 2429 / 69
p0 2867 ± 2.498
3100
3000
2900
2800
2700
2600
2500

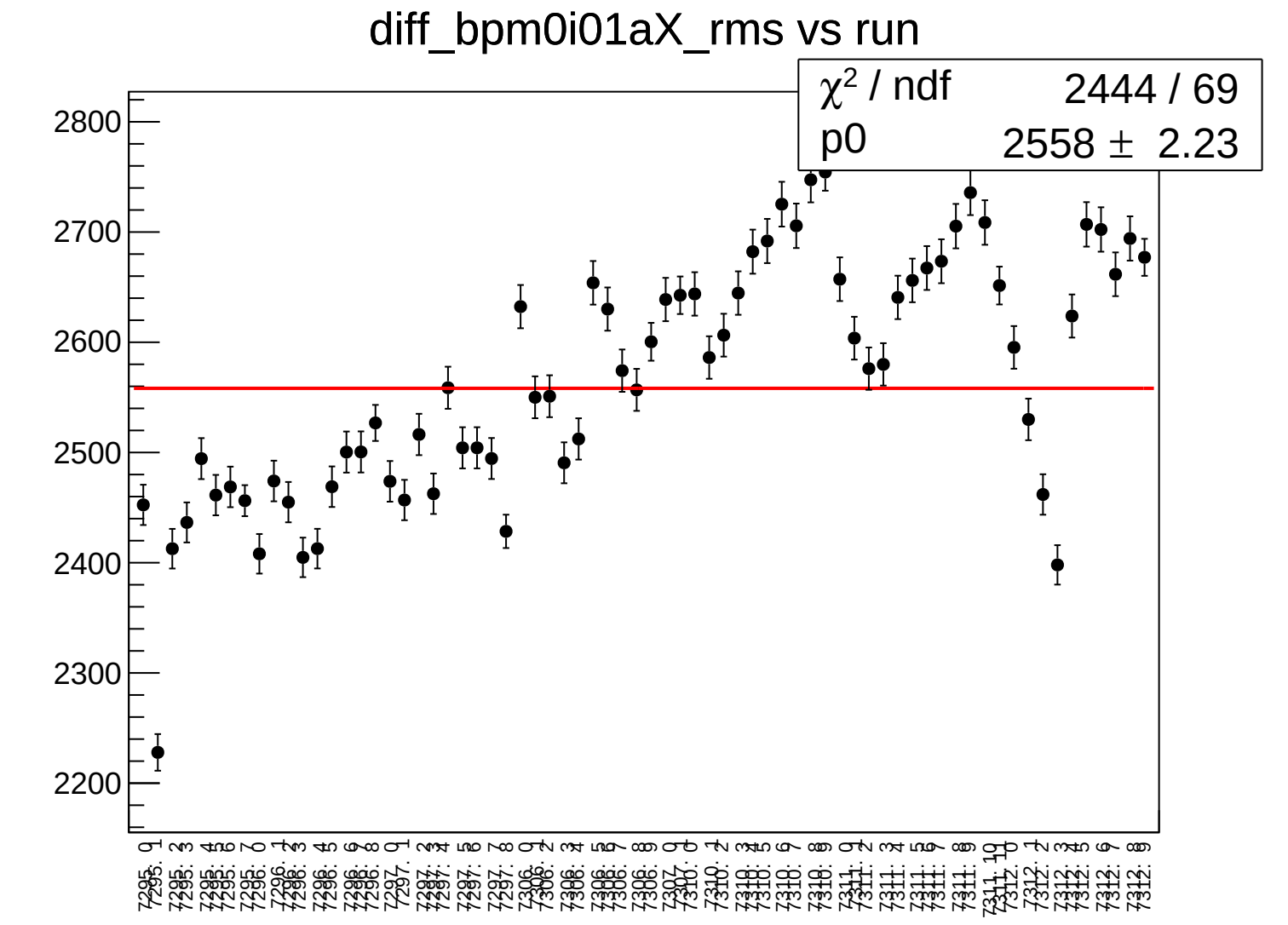

diff_bpm0i01Y_mean vs run
χ² / ndf 53.28 / 69
p0 −12 ± 3.261
pull
Entries 70
Mean 211.7
Std Dev 0

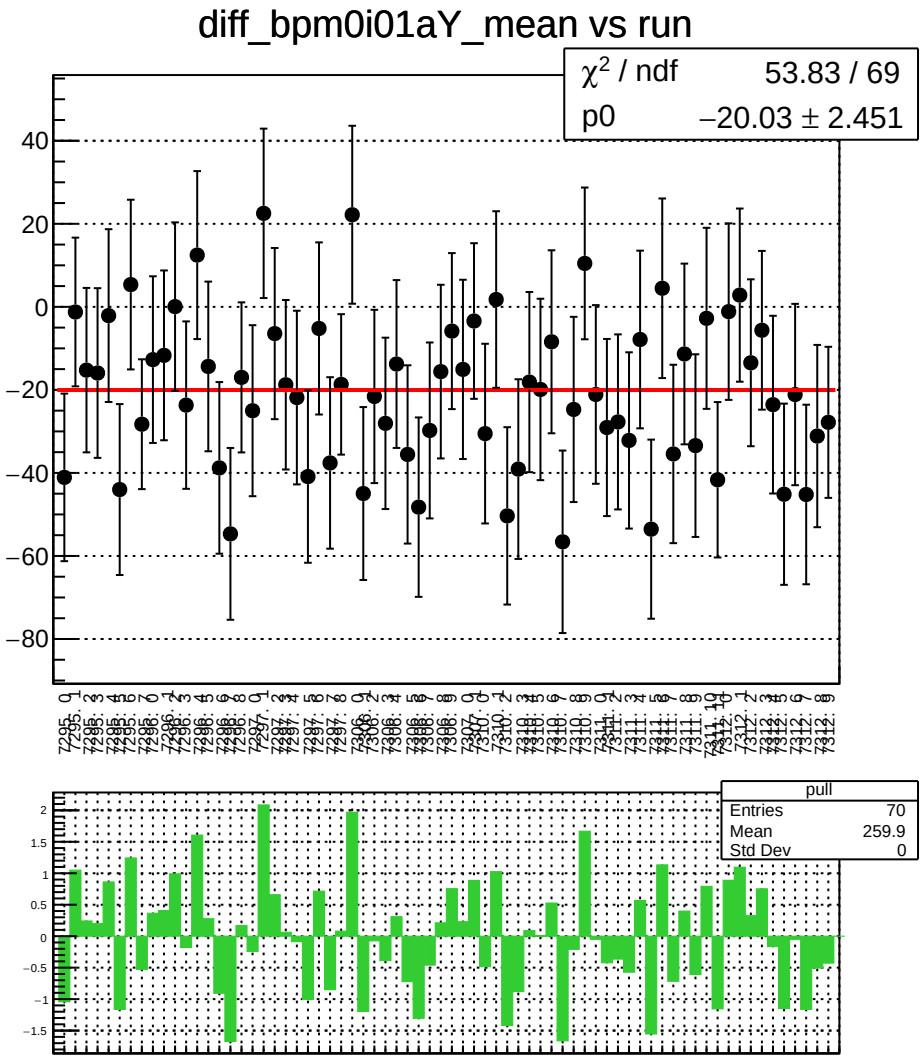

pull1D
Entries 70
Mean −0.009976
Std Dev 0.8724

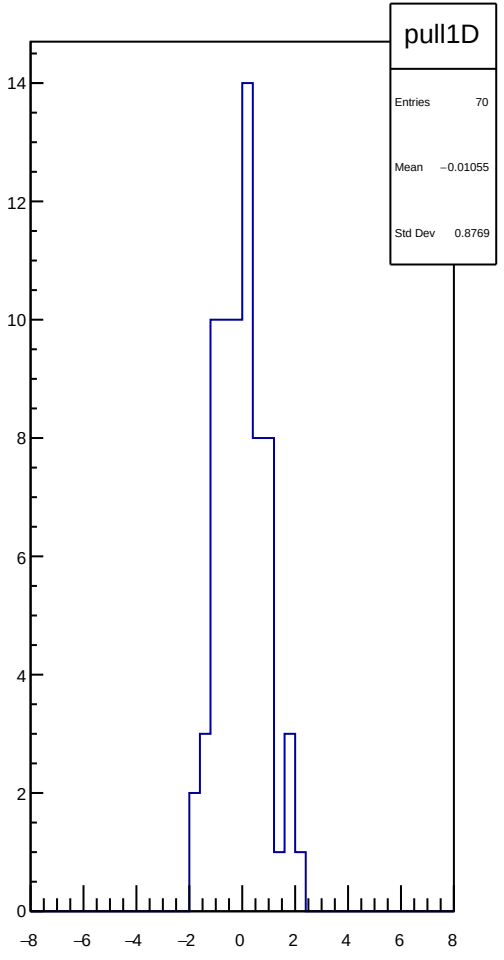

diff_bpm0i01Y_rms vs run
χ² / ndf 2457 / 69
p0 2646 ± 2.306
2900
2800
2700
2600
2500
2400
2300
2200

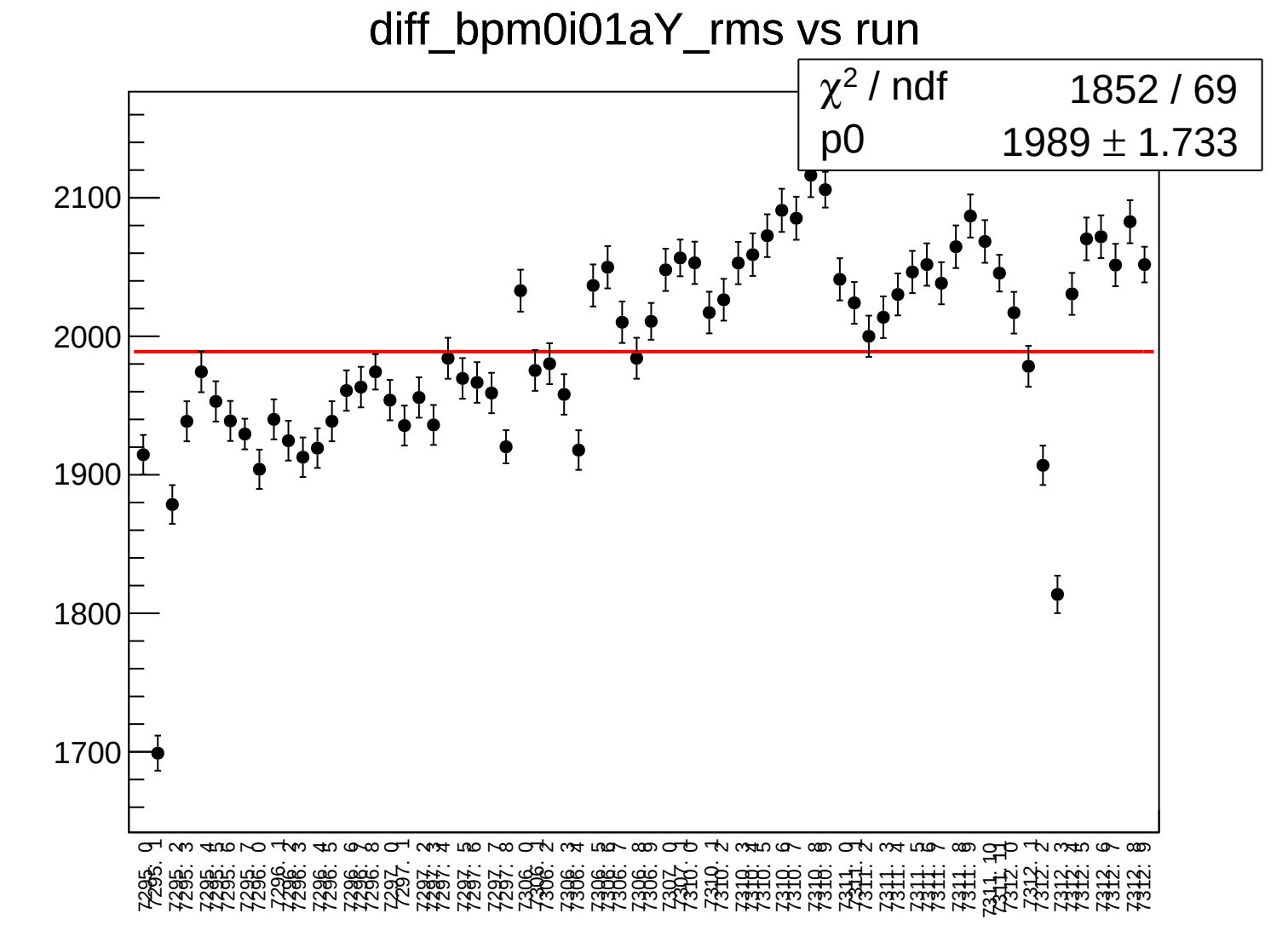

diff_bpm0i01aX_mean vs run
χ^2 / ndf 62.47 / 69
p0 2.005 ± 3.153
pull
Entries 70
Mean 80.95
Std Dev 0

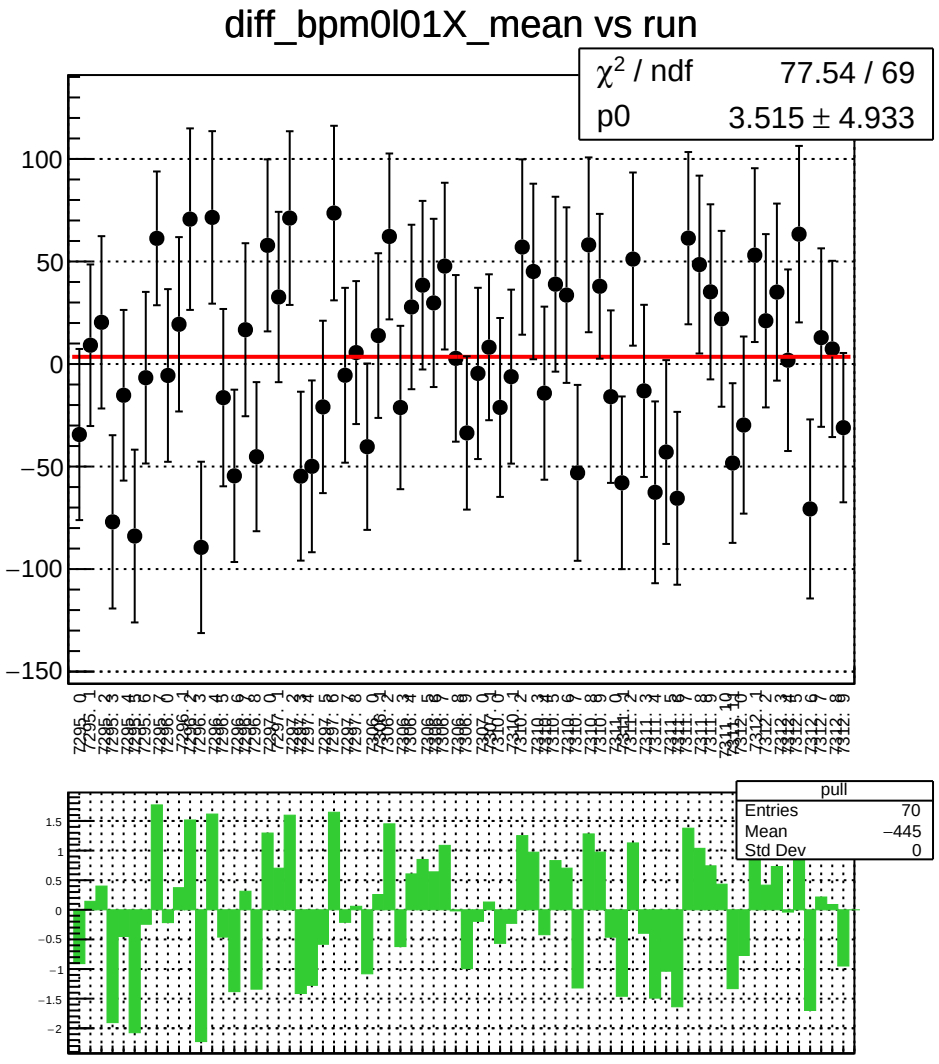

pull1D
Entries 70
Mean −0.007631
Std Dev 0.9446

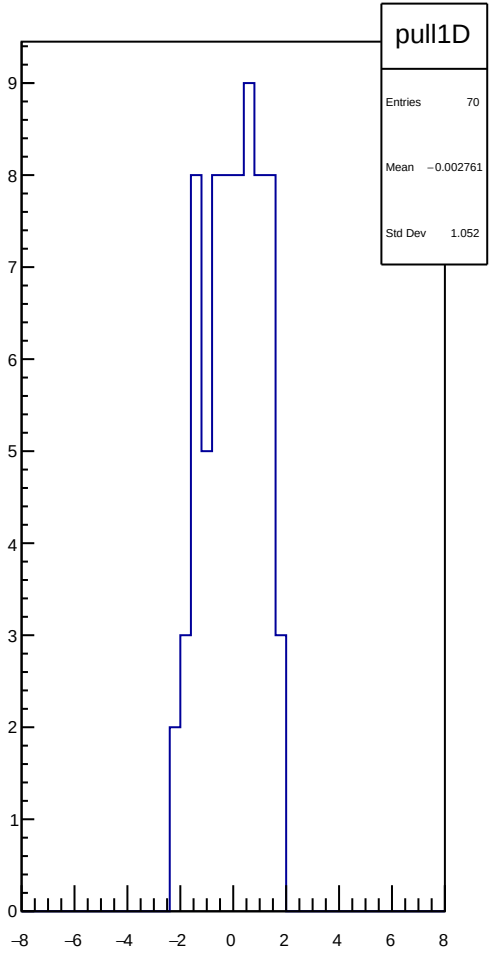

diff_bpm0i01aX_rms vs run
χ² / ndf 2444 / 69
p0 2558 ± 2.23
2800
2700
2600
2500
2400
2300
2200

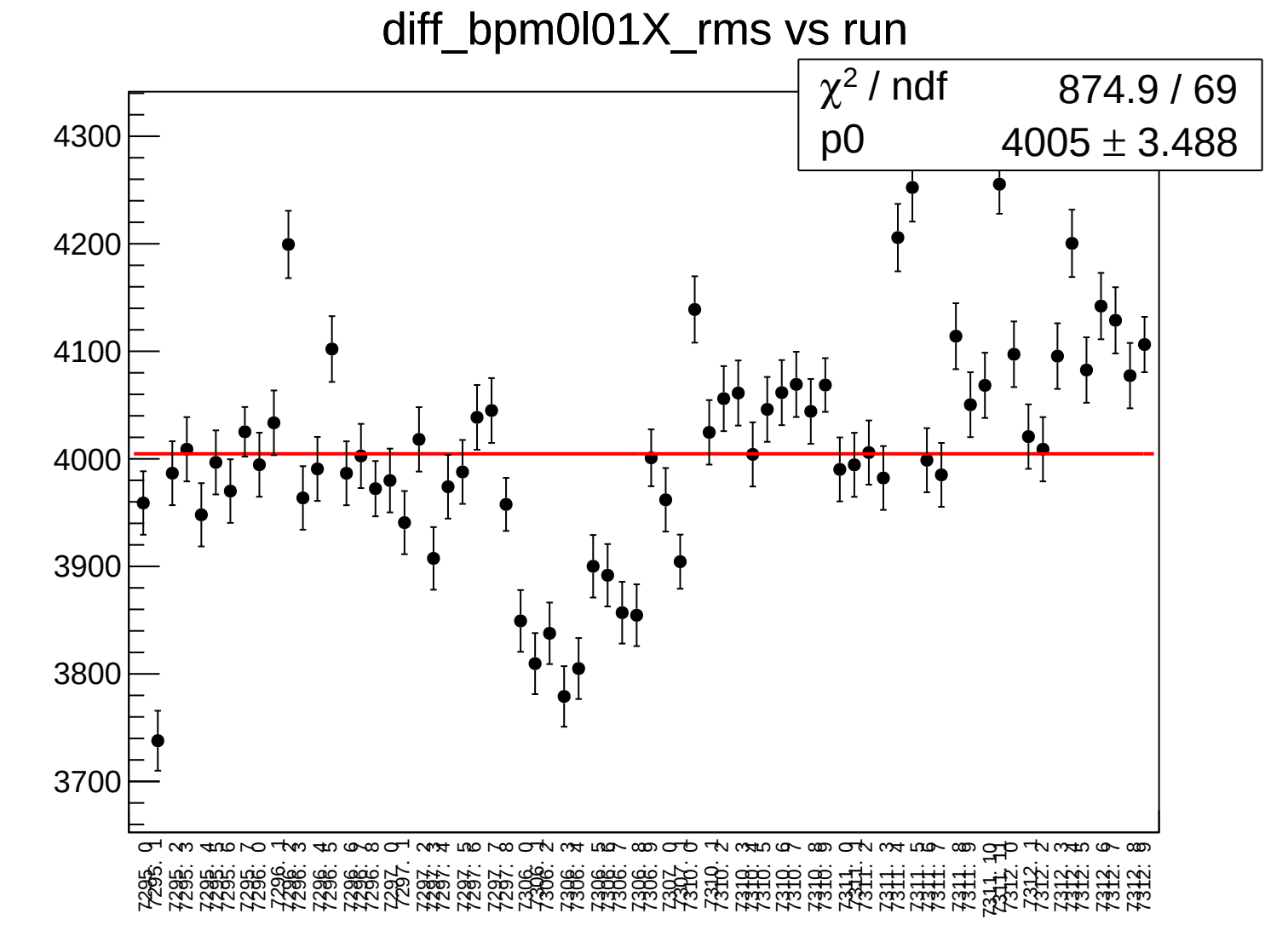

diff_bpm0i01aY_mean vs run
χ^2 / ndf 53.83 / 69
p0 −20.03 ± 2.451
pull
Entries 70
Mean 259.9
Std Dev 0

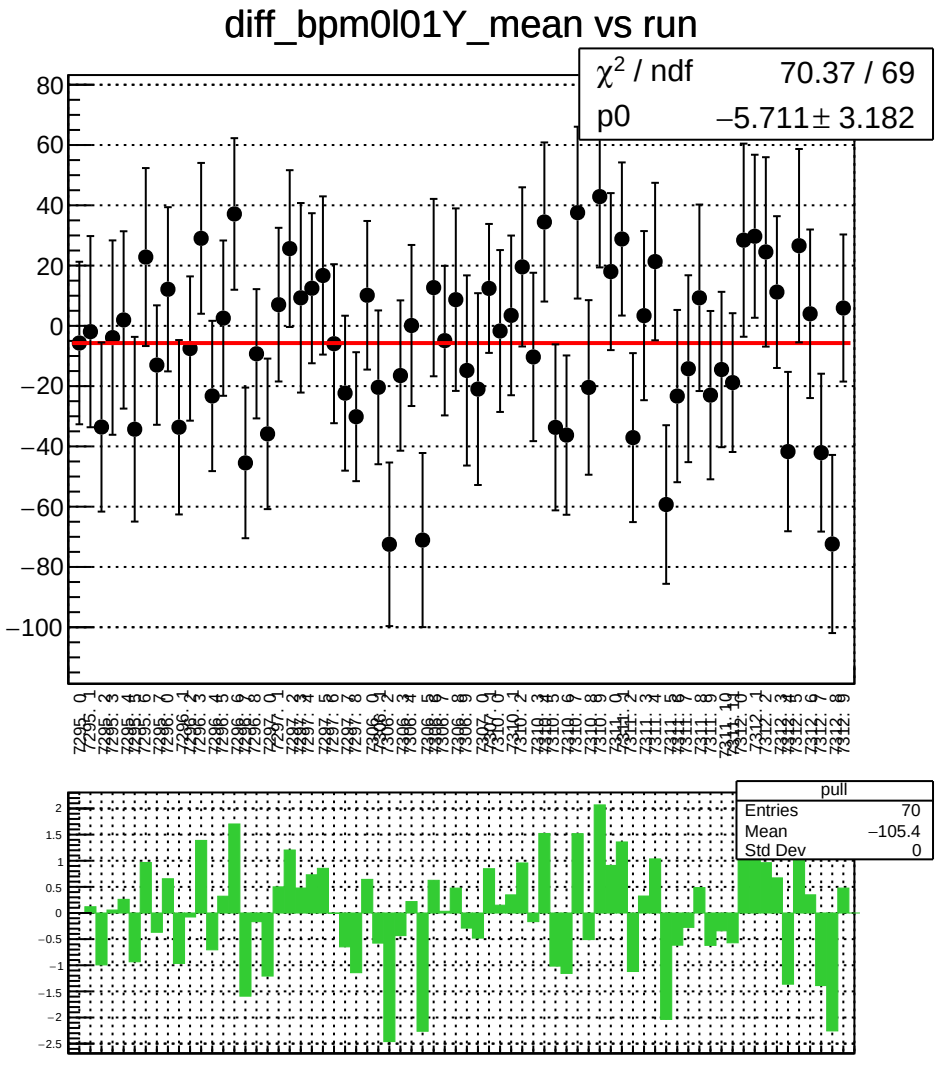

pull1D
Entries 70
Mean −0.01055
Std Dev 0.8769

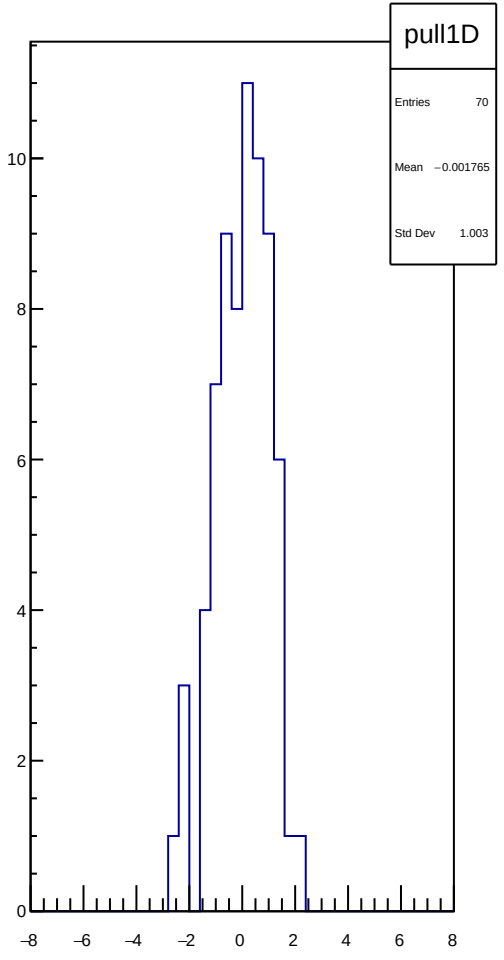

diff_bpm0i01aY_rms vs run
χ^2 / ndf 1852 / 69
p0 1989 ± 1.733
2100
2000
1900
1800
1700

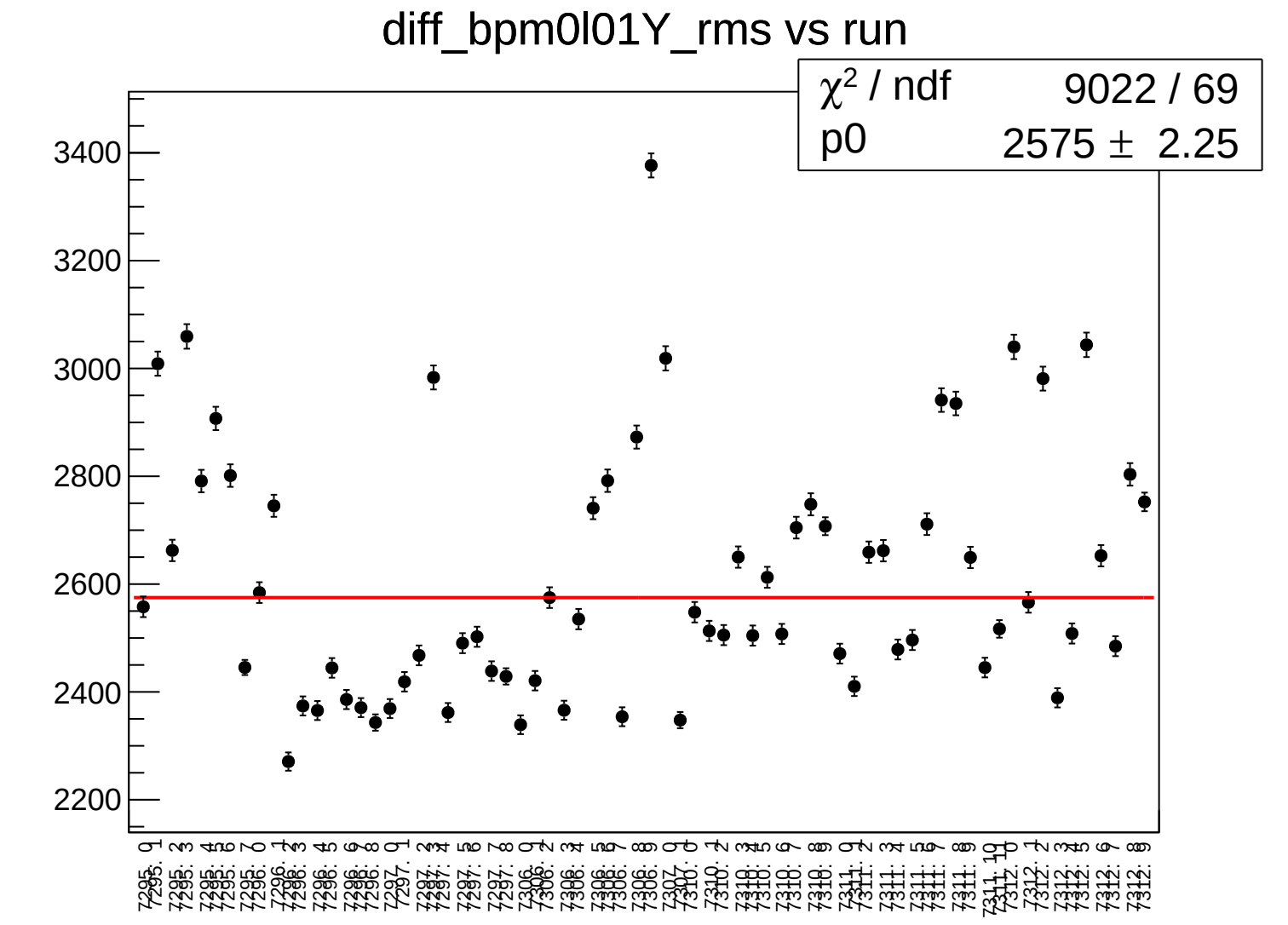

diff_bpm0l01X_mean vs run
χ^2 / ndf 77.54 / 69
p0 3.515 ± 4.933
pull
Entries 70
Mean −445
Std Dev 0

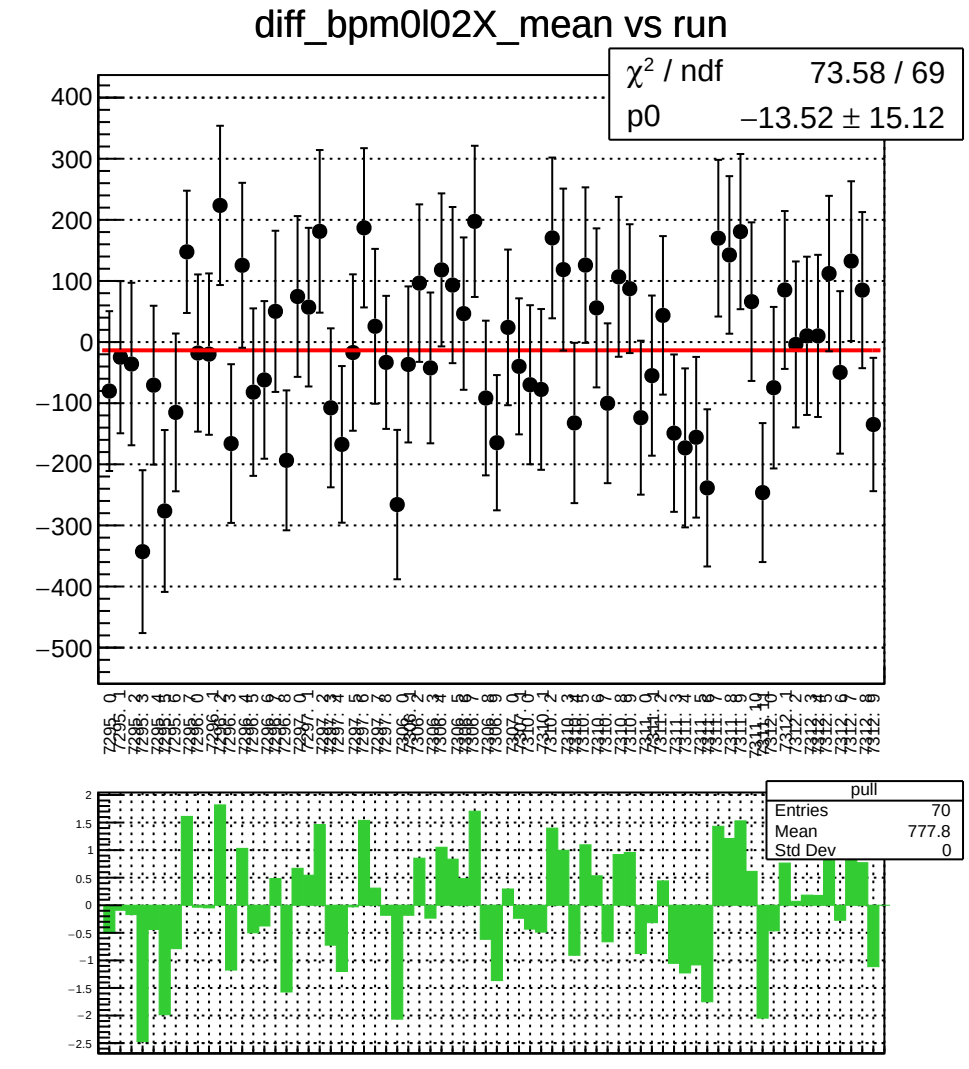

pull1D
Entries 70
Mean −0.002761
Std Dev 1.052

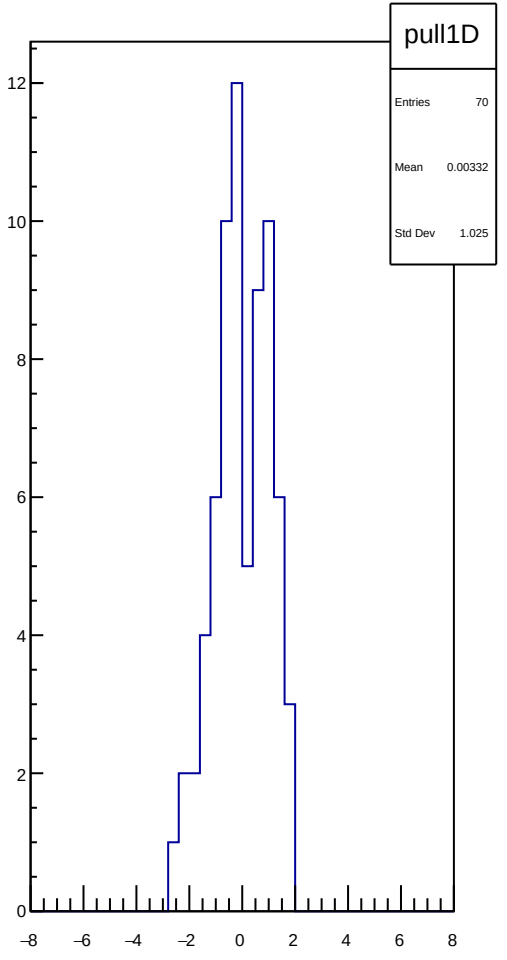

diff_bpm0l01X_rms vs run
χ² / ndf 874.9 / 69
p0 4005 ± 3.488
4300
4200
4100
4000
3900
3800
3700

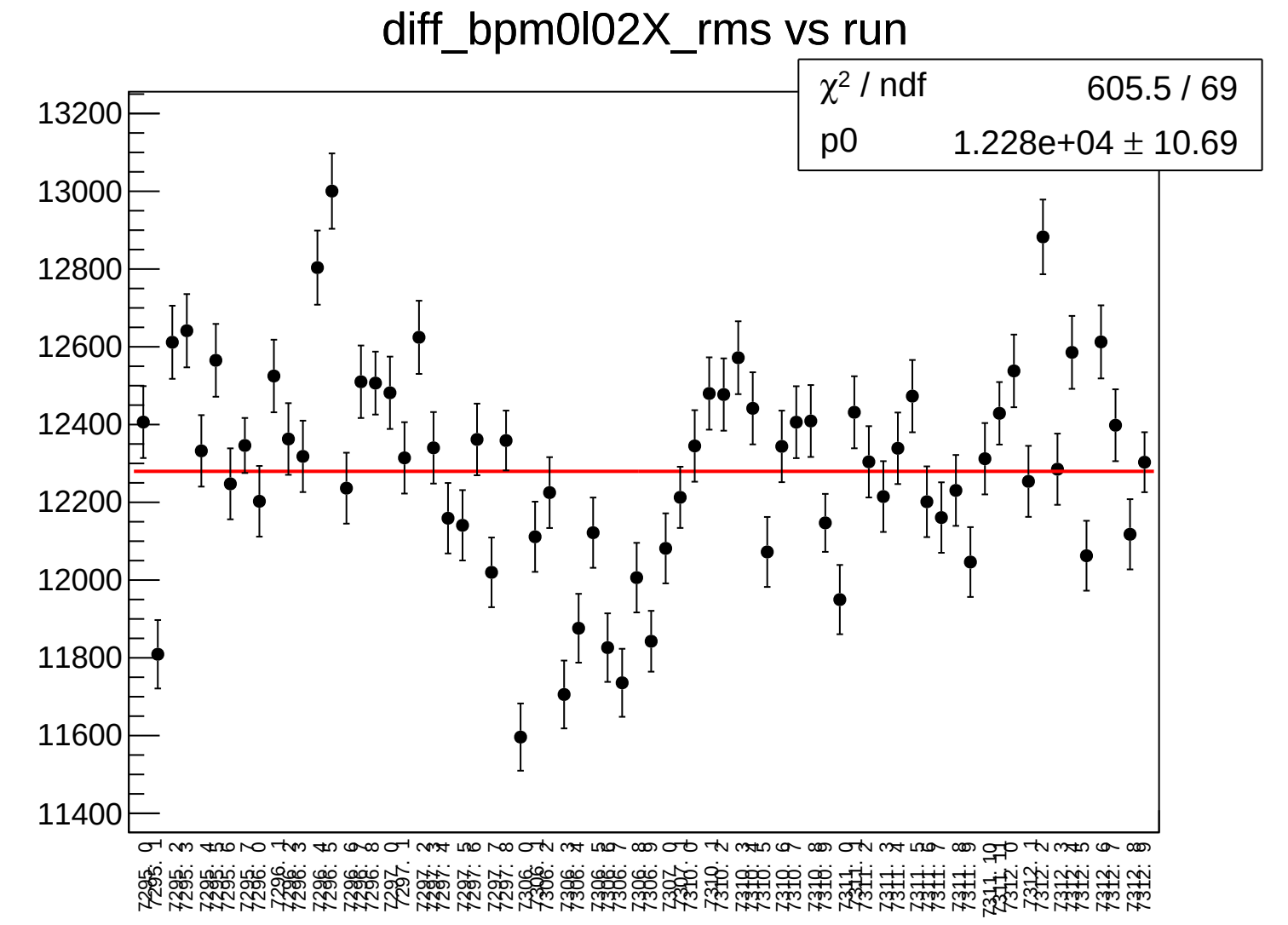

diff_bpm0l01Y_mean vs run
χ^2 / ndf 70.37 / 69
p0 −5.711 ± 3.182
pull
Entries 70
Mean −105.4
Std Dev 0

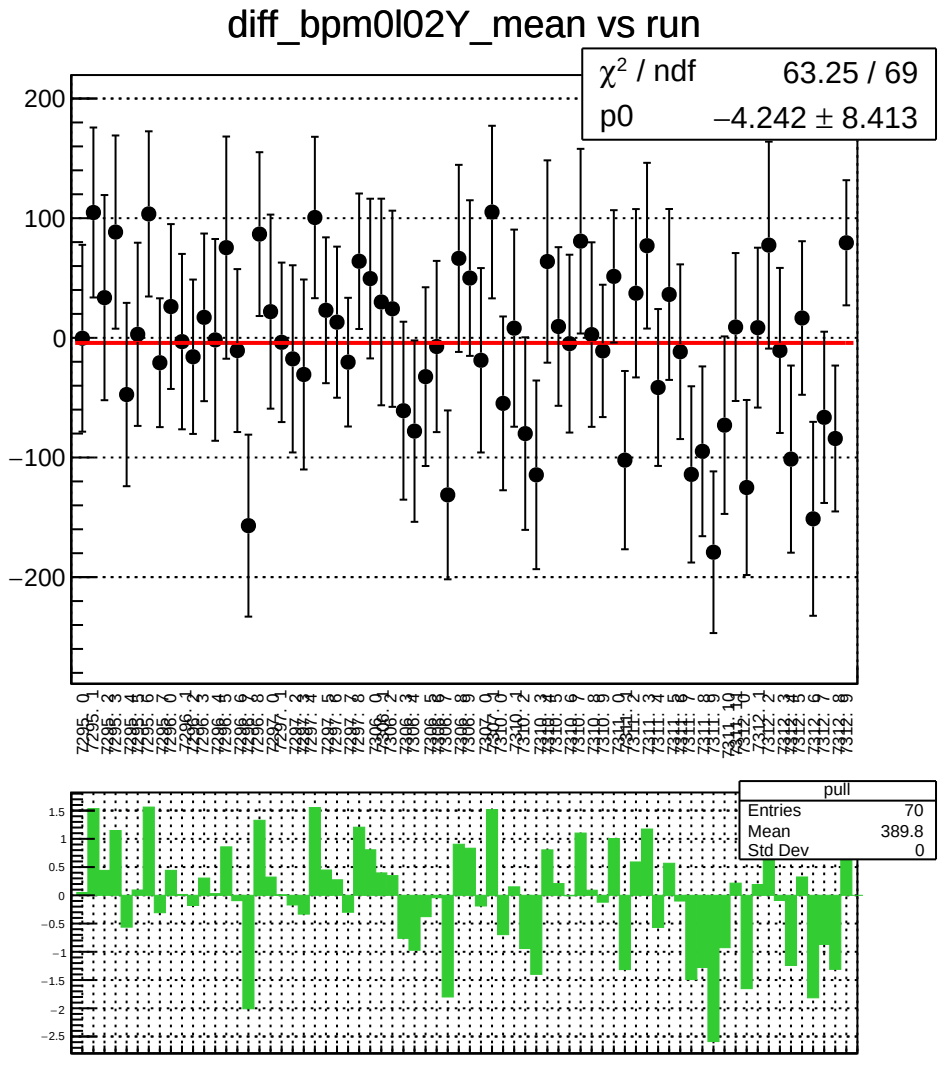

pull1D
Entries 70
Mean −0.001765
Std Dev 1.003

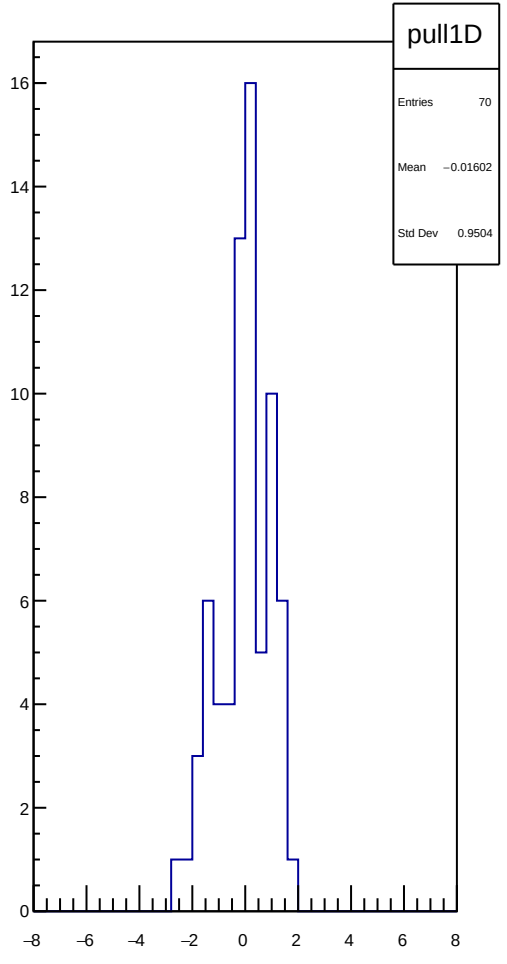

diff_bpm0l01Y_rms vs run
χ² / ndf 9022 / 69
p0 2575 ± 2.25
3400
3200
3000
2800
2600
2400
2200

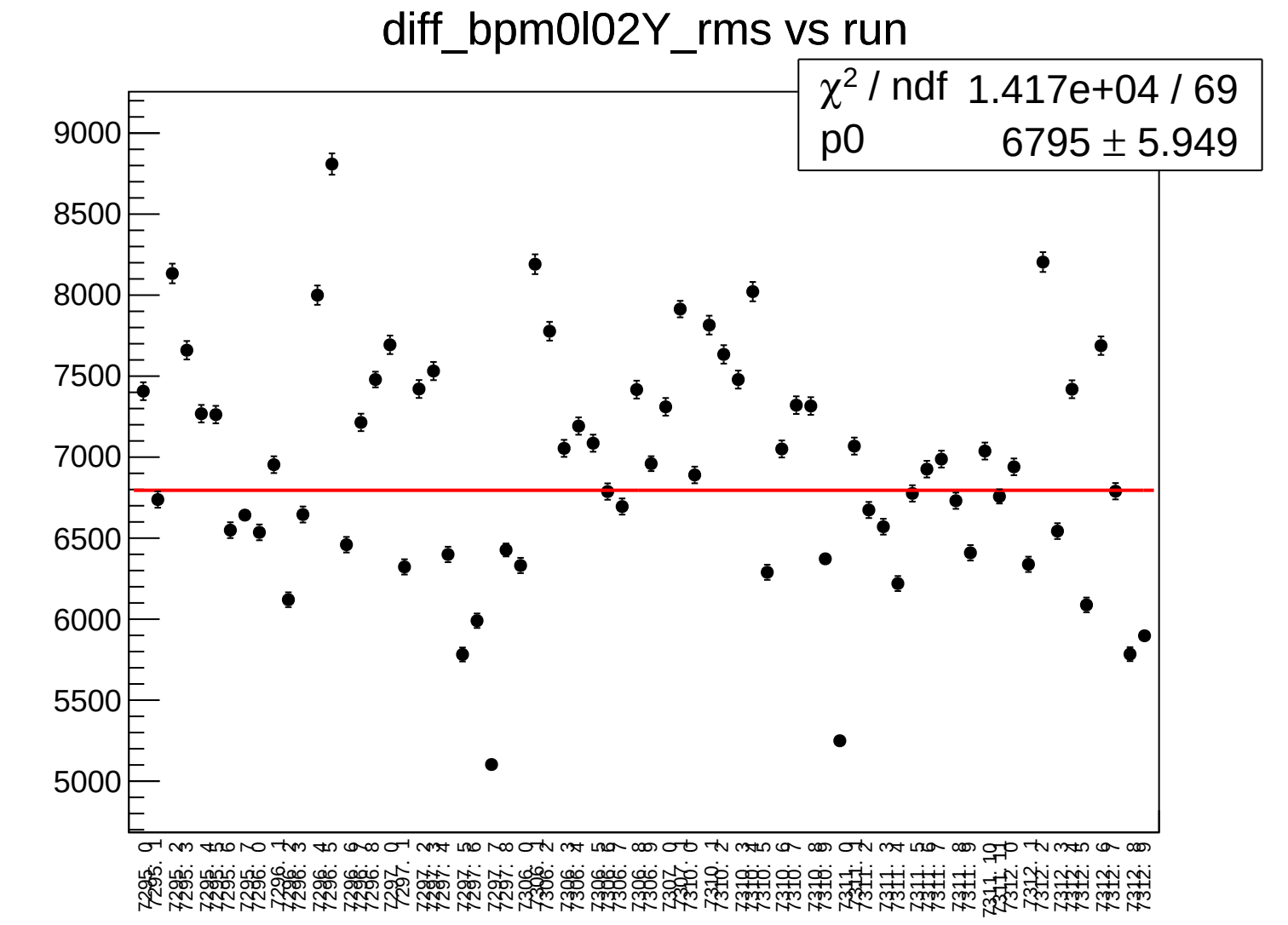

diff_bpm0l02X_mean vs run
χ² / ndf 73.58 / 69
p0 −13.52 ± 15.12
pull
Entries 70
Mean 777.8
Std Dev 0

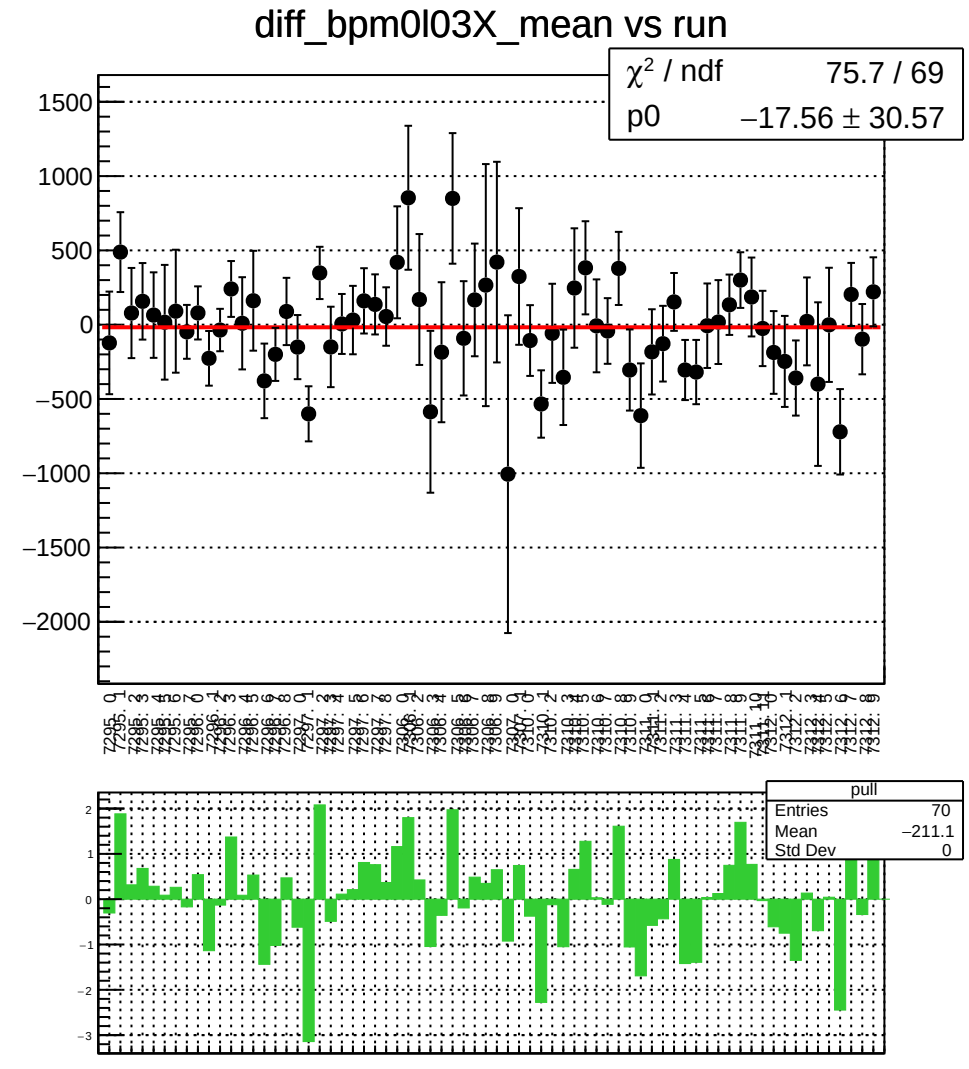

pull1D
Entries 70
Mean 0.00332
Std Dev 1.025

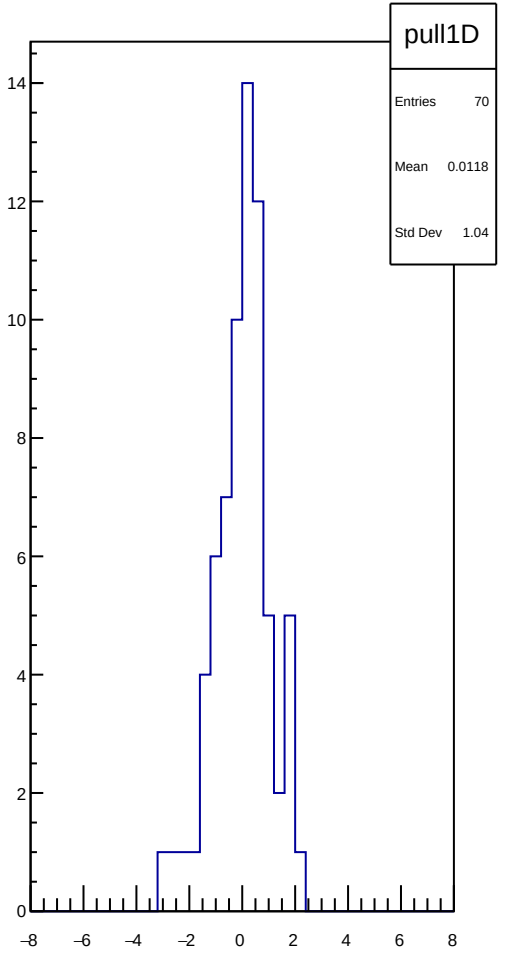

diff_bpm0l02X_rms vs run
χ² / ndf 605.5 / 69
p0 1.228e+04 ± 10.69
13200
13000
12800
12600
12400
12200
12000
11800
11600
11400

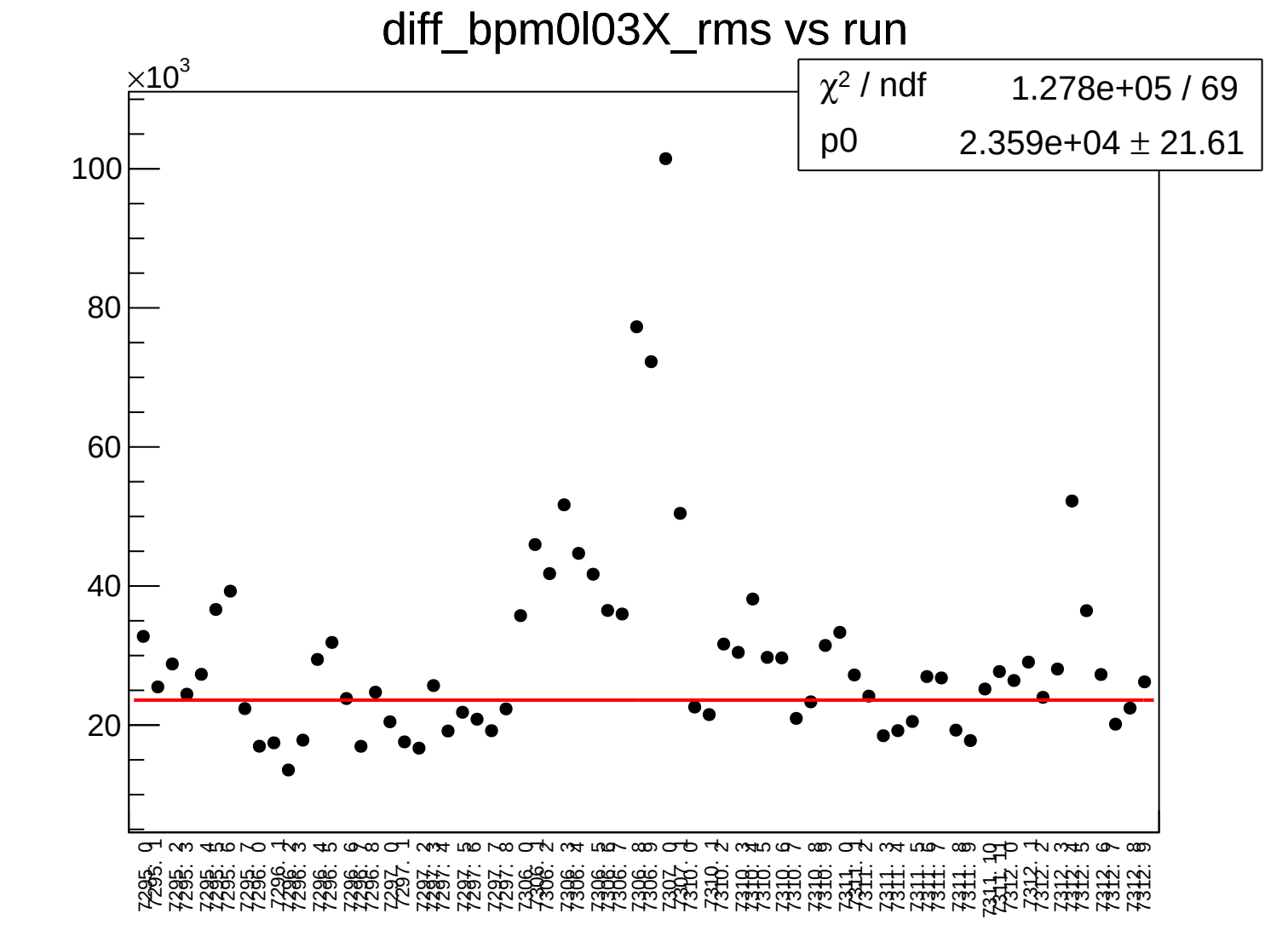

diff_bpm0l02Y_mean vs run
χ² / ndf 63.25 / 69
p0 −4.242 ± 8.413
200
100
0
−100
−200
pull
Entries 70
Mean 389.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

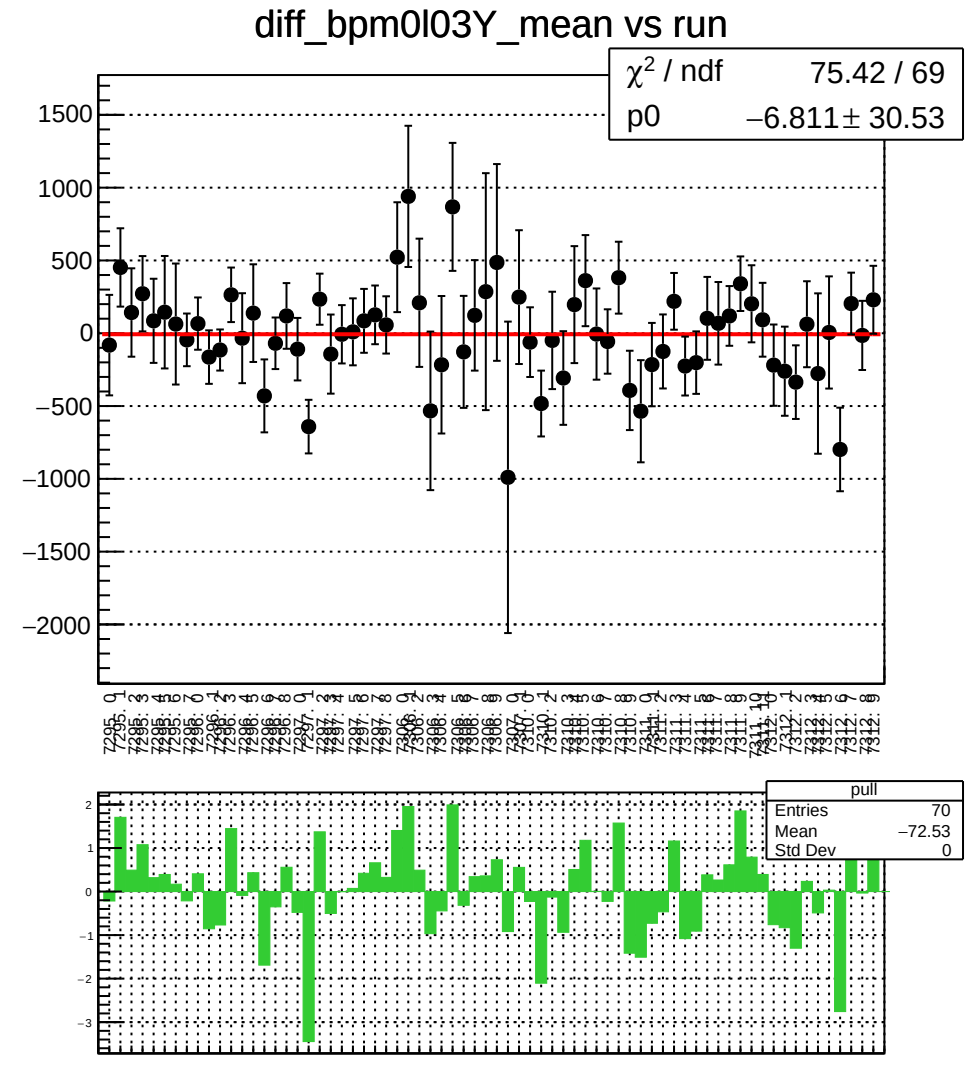

pull1D
Entries 70
Mean −0.01602
Std Dev 0.9504
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

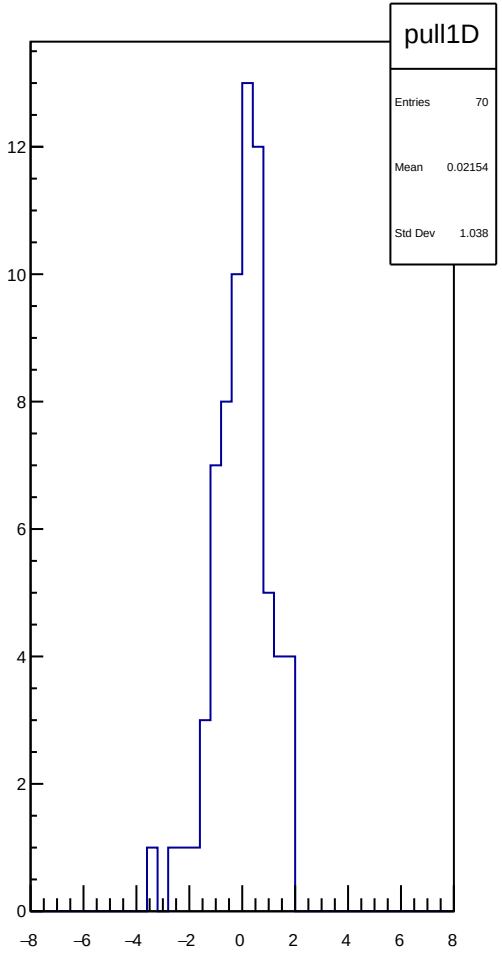

diff_bpm0l02Y_rms vs run
χ^2 / ndf 1.417e+04 / 69
p0 6795 ± 5.949
9000
8500
8000
7500
7000
6500
6000
5500
5000

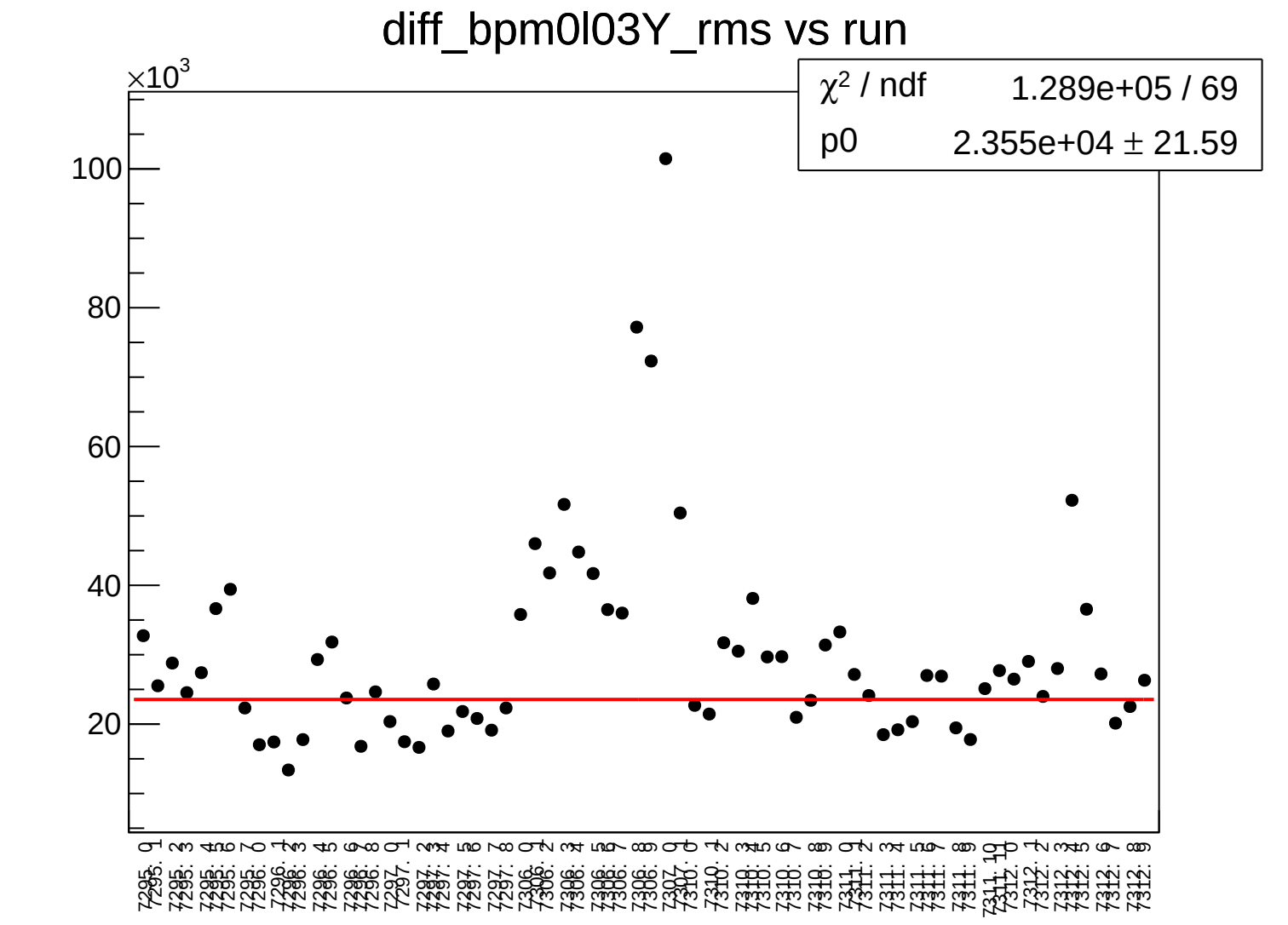

diff_bpm0l03X_mean vs run
χ² / ndf 75.7 / 69
p0 −17.56 ± 30.57
pull
Entries 70
Mean −211.1
Std Dev 0

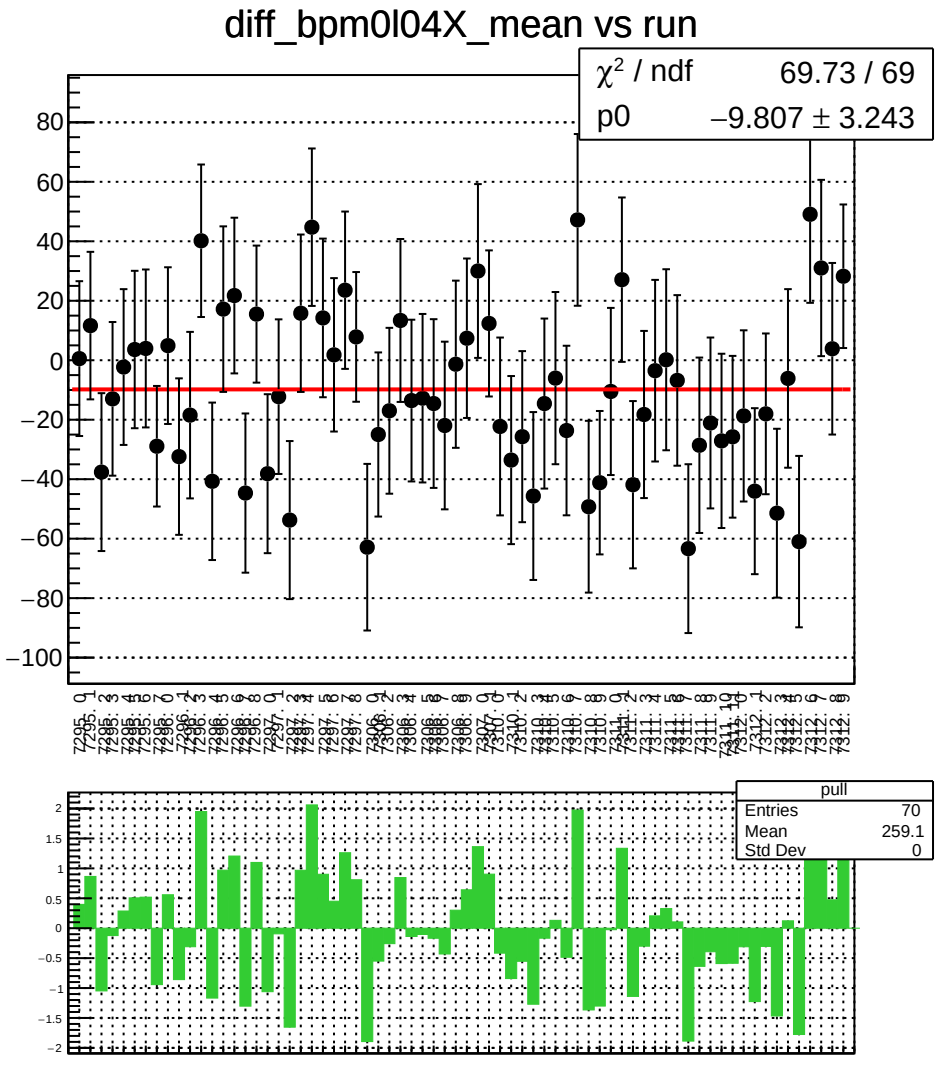

pull1D
Entries 70
Mean 0.0118
Std Dev 1.04

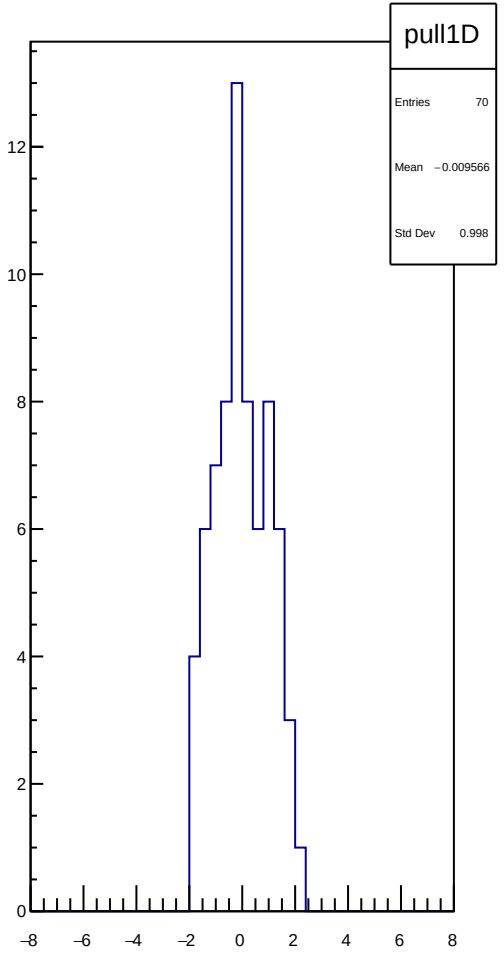

diff_bpm0l03X_rms vs run
×10^3
χ² / ndf 1.278e+05 / 69
p0 2.359e+04 ± 21.61
100
80
60
40
20

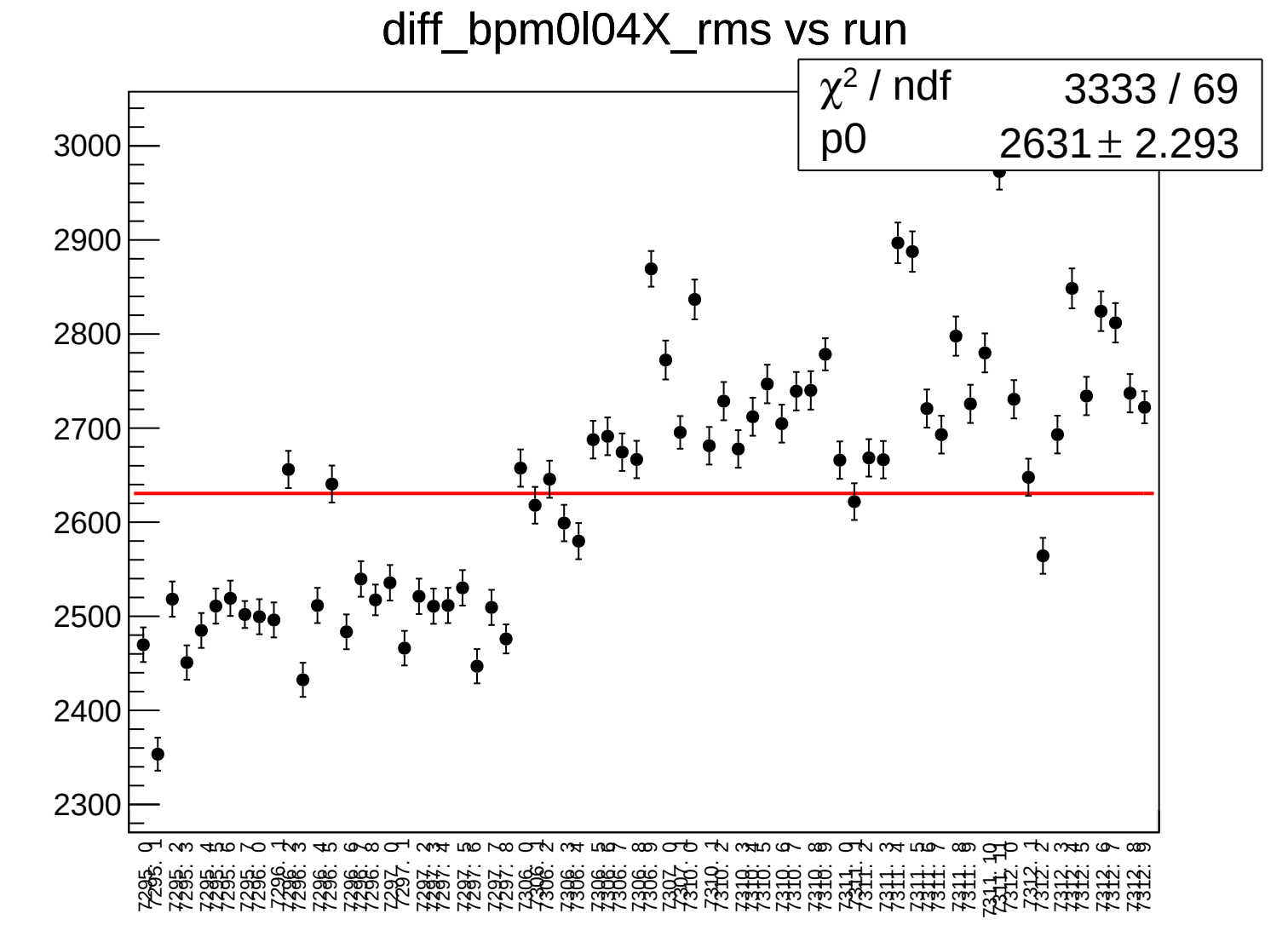

diff_bpm0l03Y_mean vs run
χ² / ndf 75.42 / 69
p0 −6.811 ± 30.53
pull
Entries 70
Mean −72.53
Std Dev 0

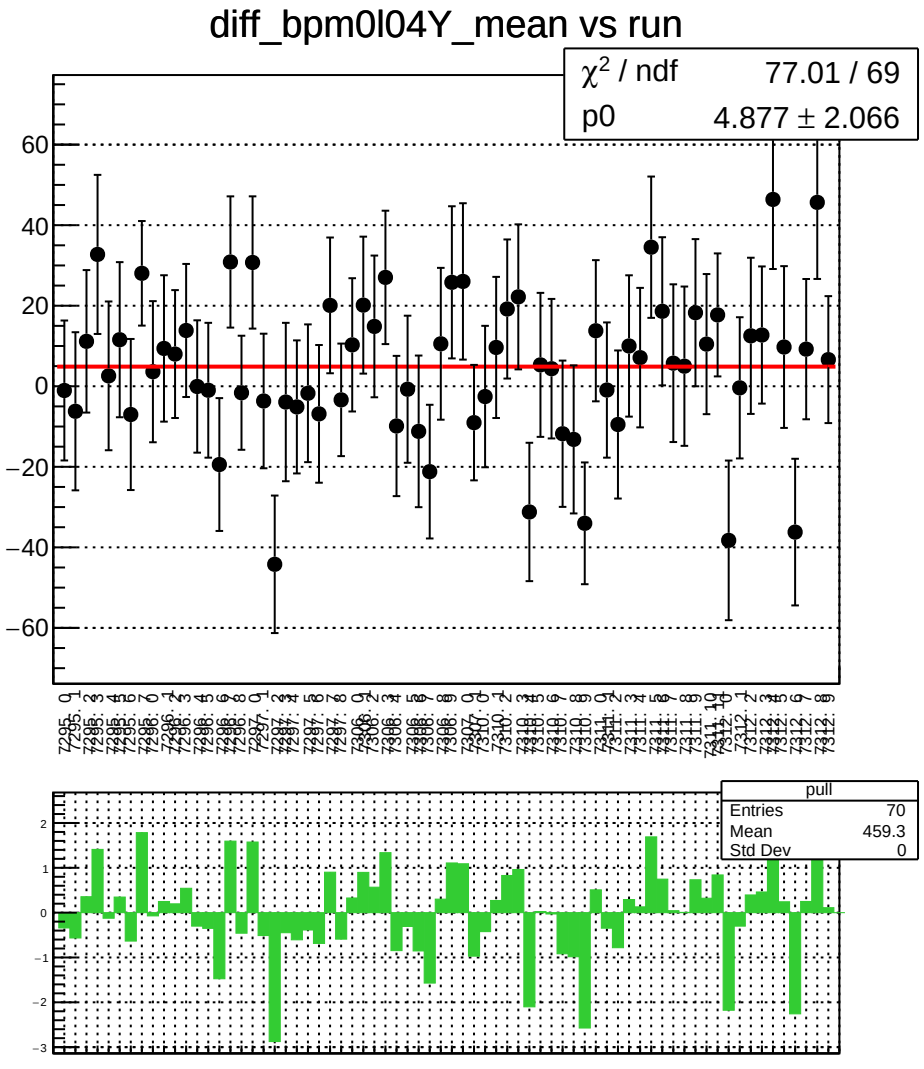

pull1D
Entries 70
Mean 0.02154
Std Dev 1.038

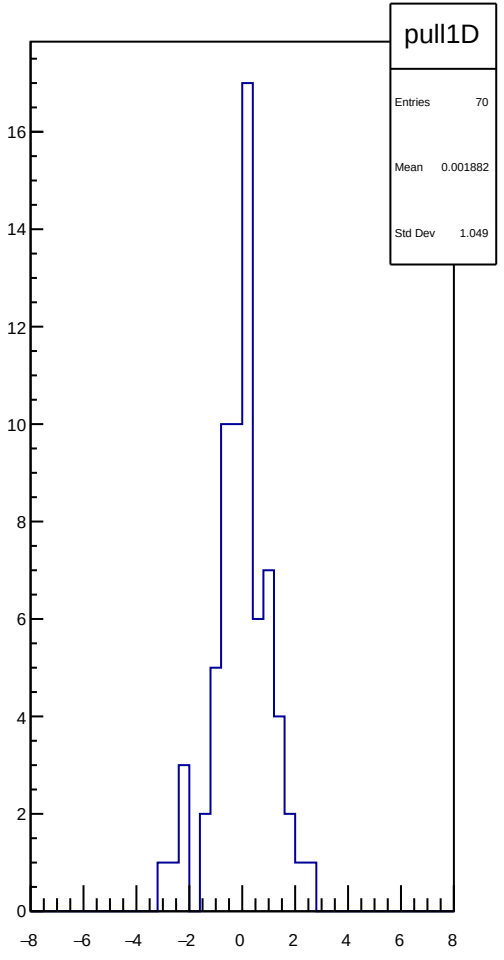

diff_bpm0l03Y_rms vs run
×10^3
χ² / ndf 1.289e+05 / 69
p0 2.355e+04 ± 21.59
100
80
60
40
20

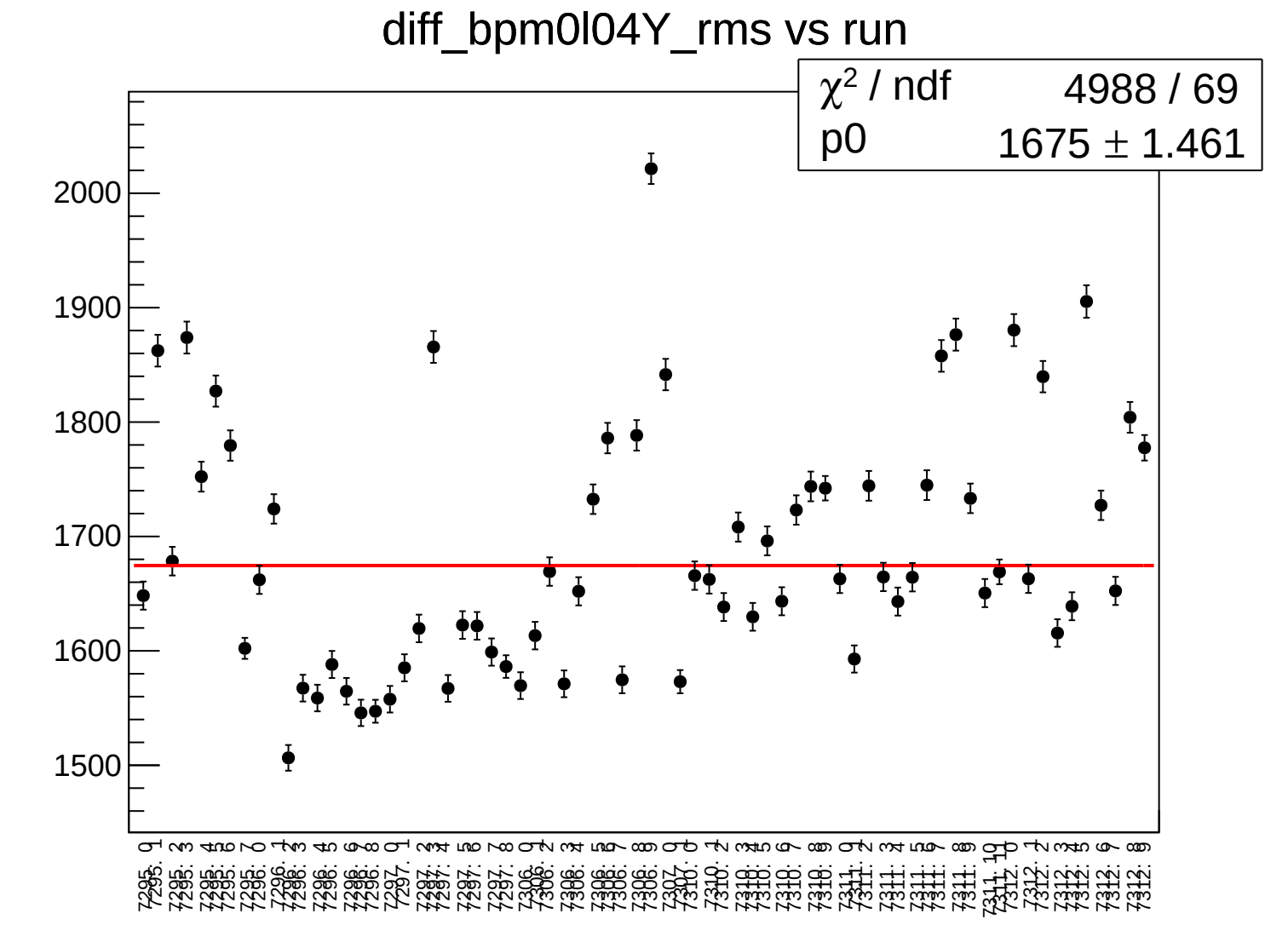

diff_bpm0l04X_mean vs run
χ² / ndf 69.73 / 69
p0 −9.807 ± 3.243
pull
Entries 70
Mean 259.1
Std Dev 0

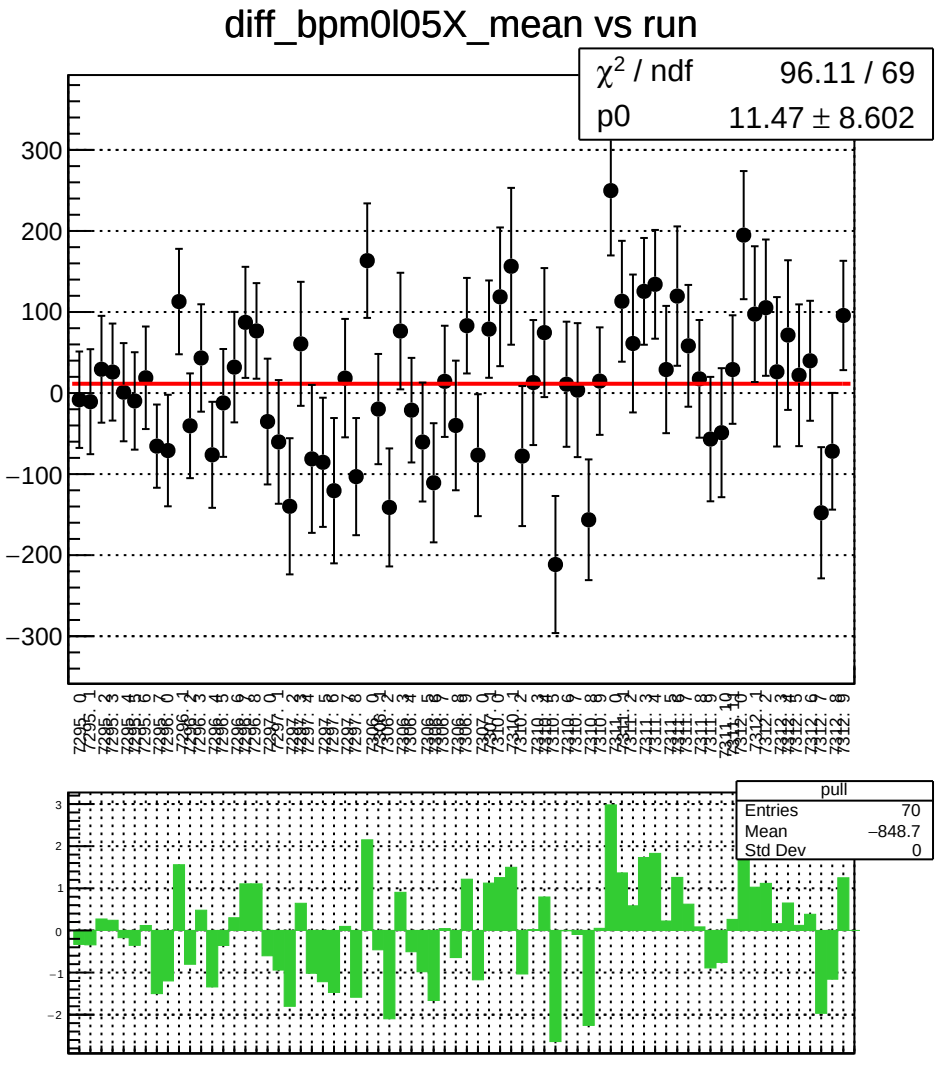

pull1D
Entries 70
Mean −0.009566
Std Dev 0.998

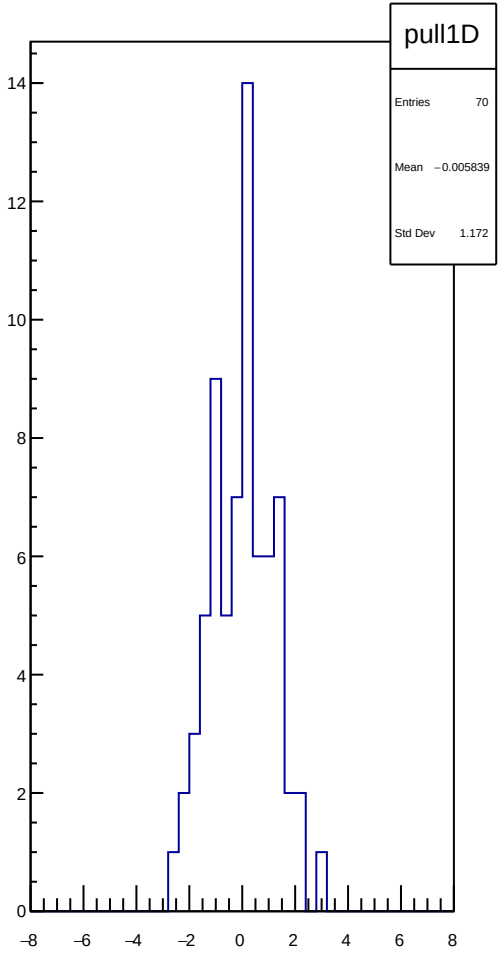

diff_bpm0l04X_rms vs run
χ² / ndf 3333 / 69
p0 2631 ± 2.293
3000
2900
2800
2700
2600
2500
2400
2300

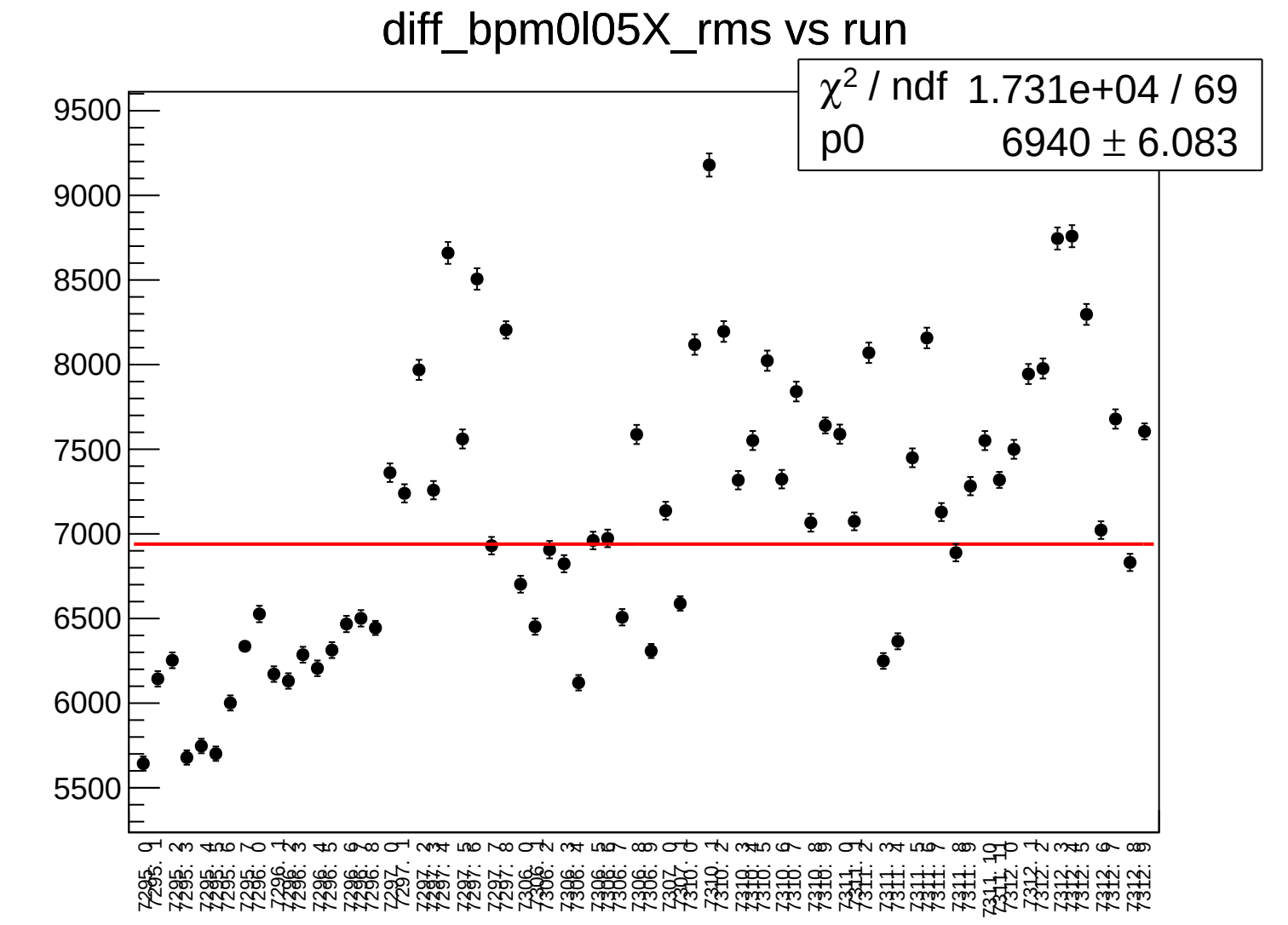

diff_bpm0l04Y_mean vs run
χ² / ndf 77.01 / 69
p0 4.877 ± 2.066
pull
Entries 70
Mean 459.3
Std Dev 0

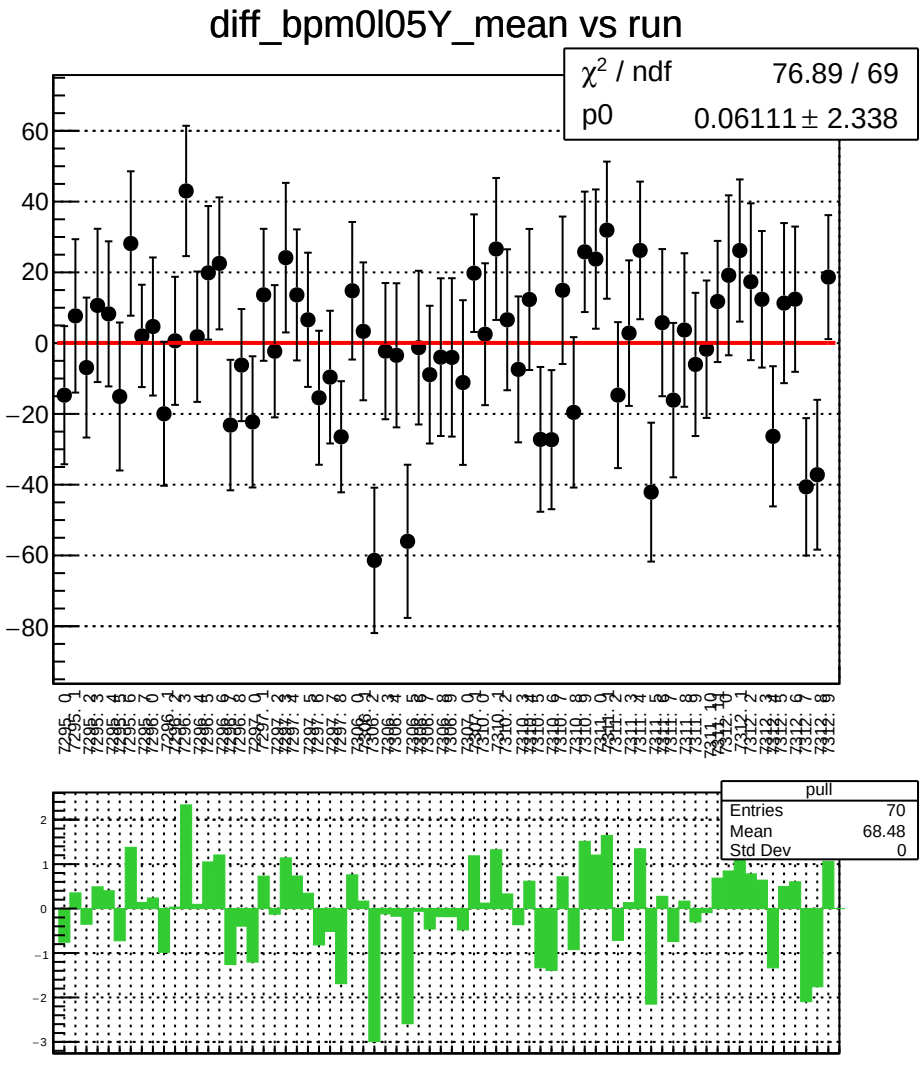

pull1D
Entries 70
Mean 0.001882
Std Dev 1.049

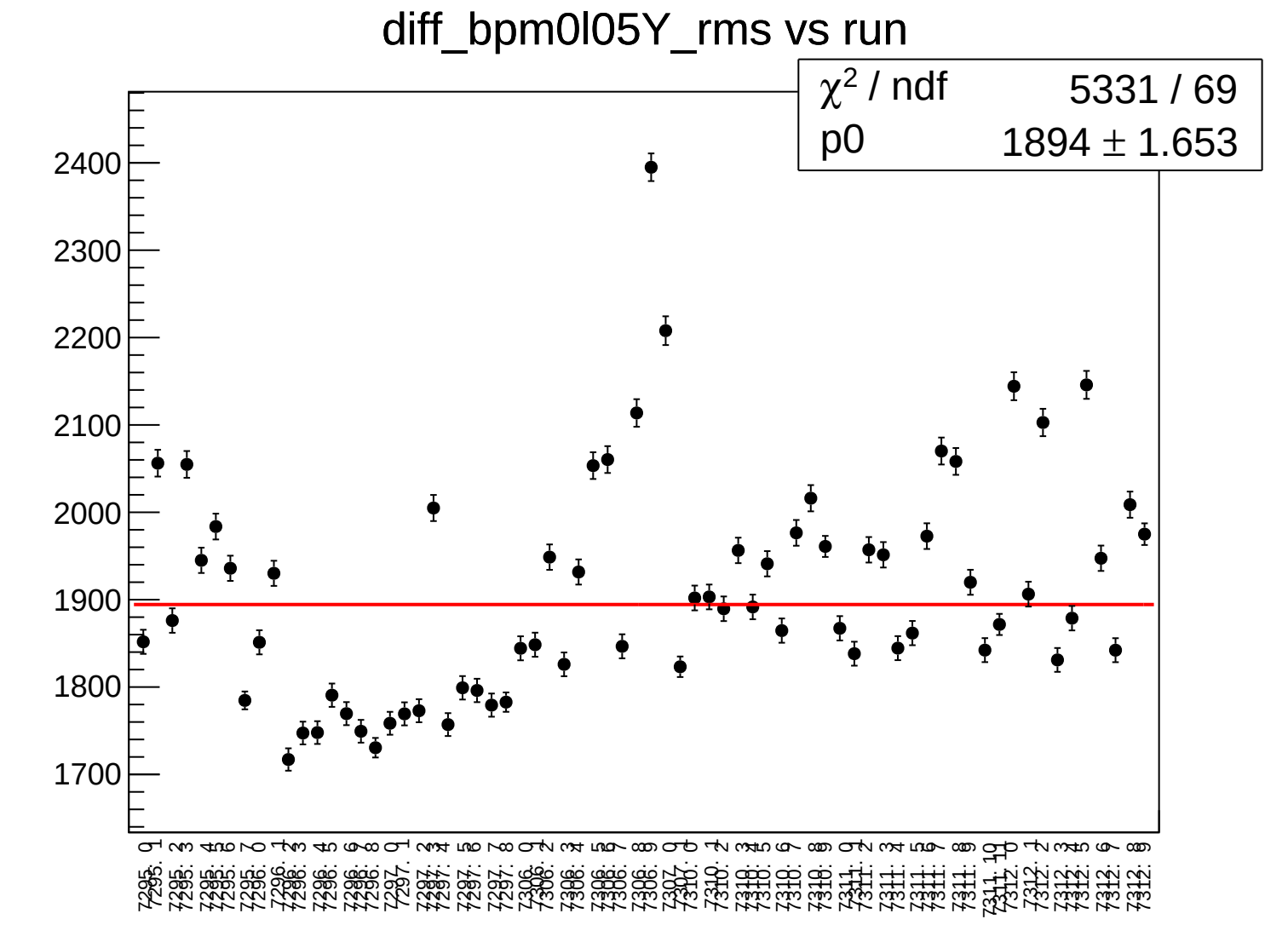

diff_bpm0l04Y_rms vs run
χ² / ndf 4988 / 69
p0 1675 ± 1.461
2000
1900
1800
1700
1600
1500

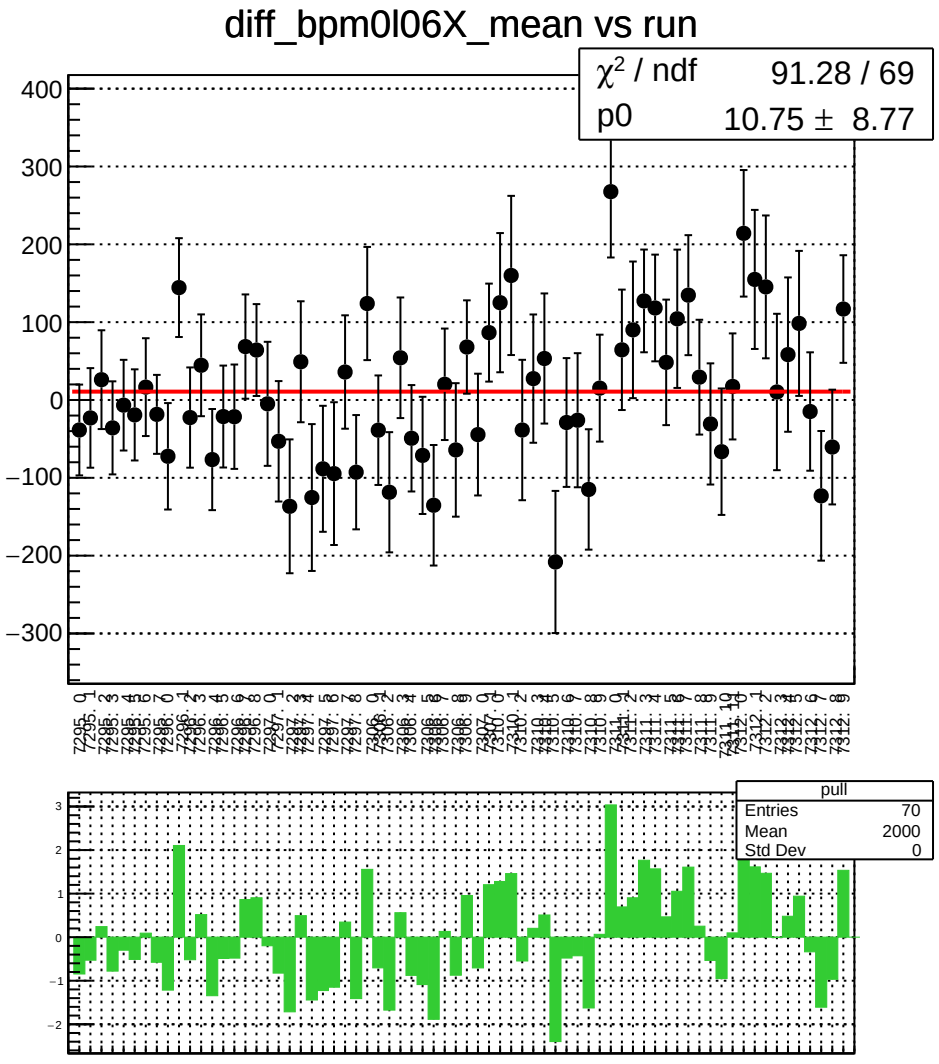

diff_bpm0l05X_mean vs run
χ² / ndf 96.11 / 69
p0 11.47 ± 8.602
pull
Entries 70
Mean −848.7
Std Dev 0

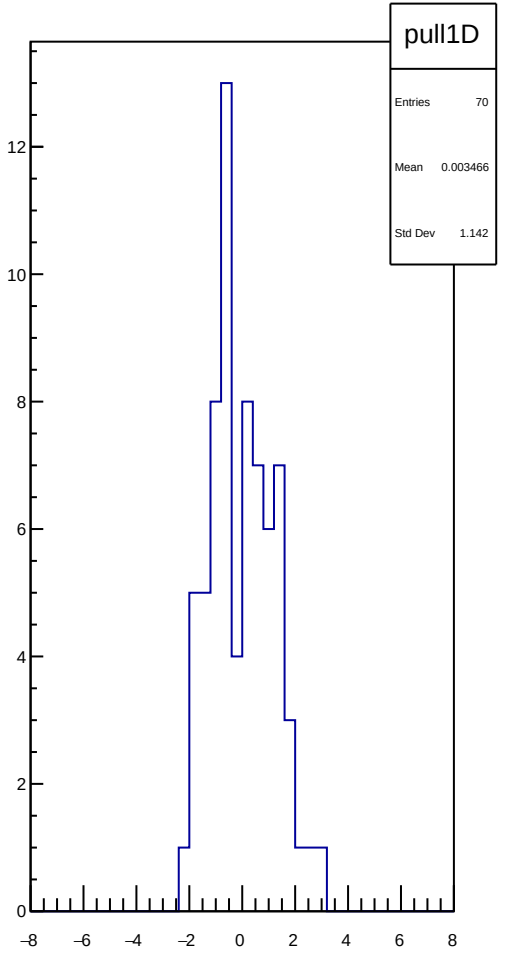

pull1D
Entries 70
Mean −0.005839
Std Dev 1.172

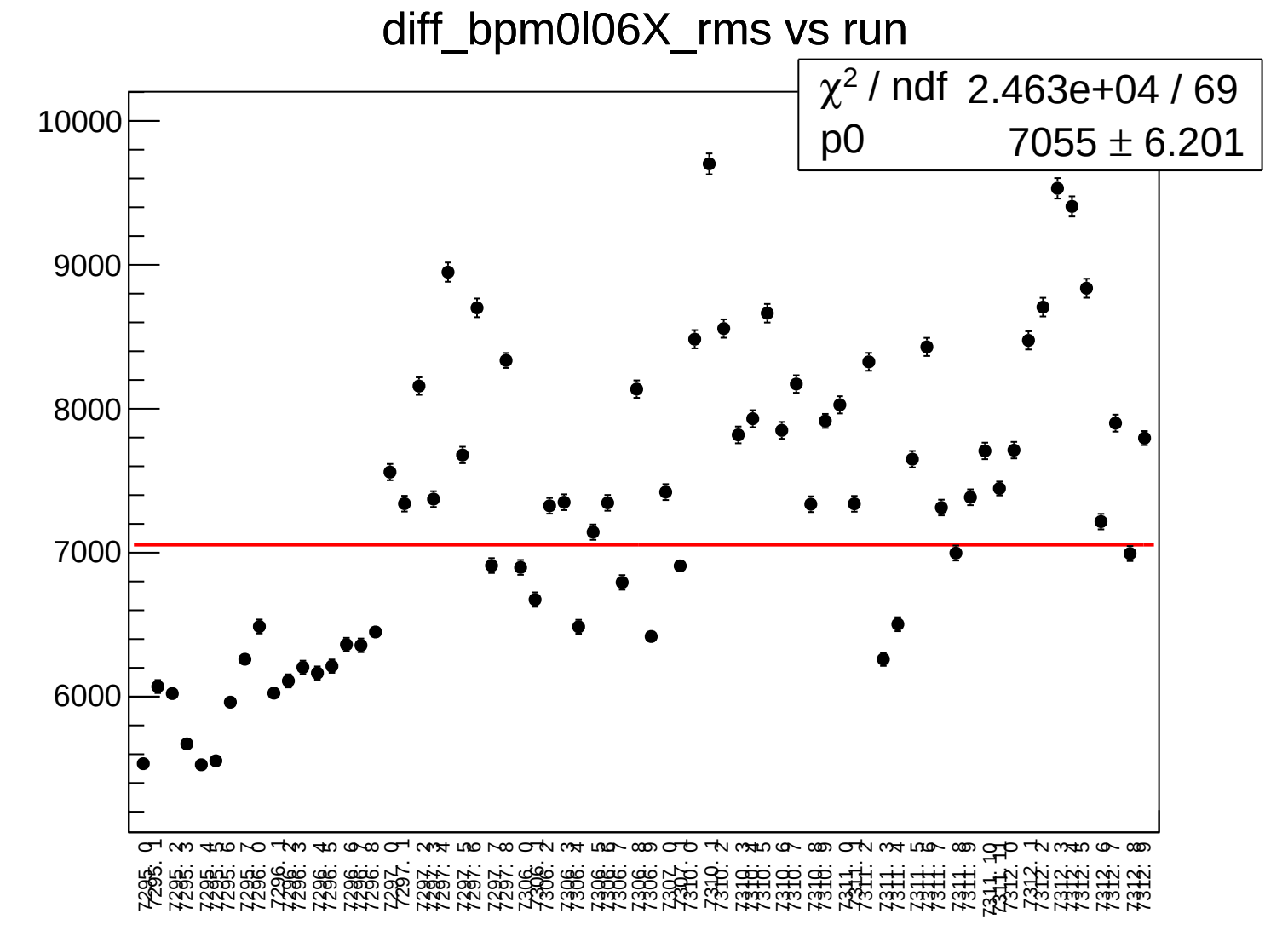

diff_bpm0l05X_rms vs run
χ^2 / ndf 1.731e+04 / 69
p0 6940 ± 6.083
9500
9000
8500
8000
7500
7000
6500
6000
5500

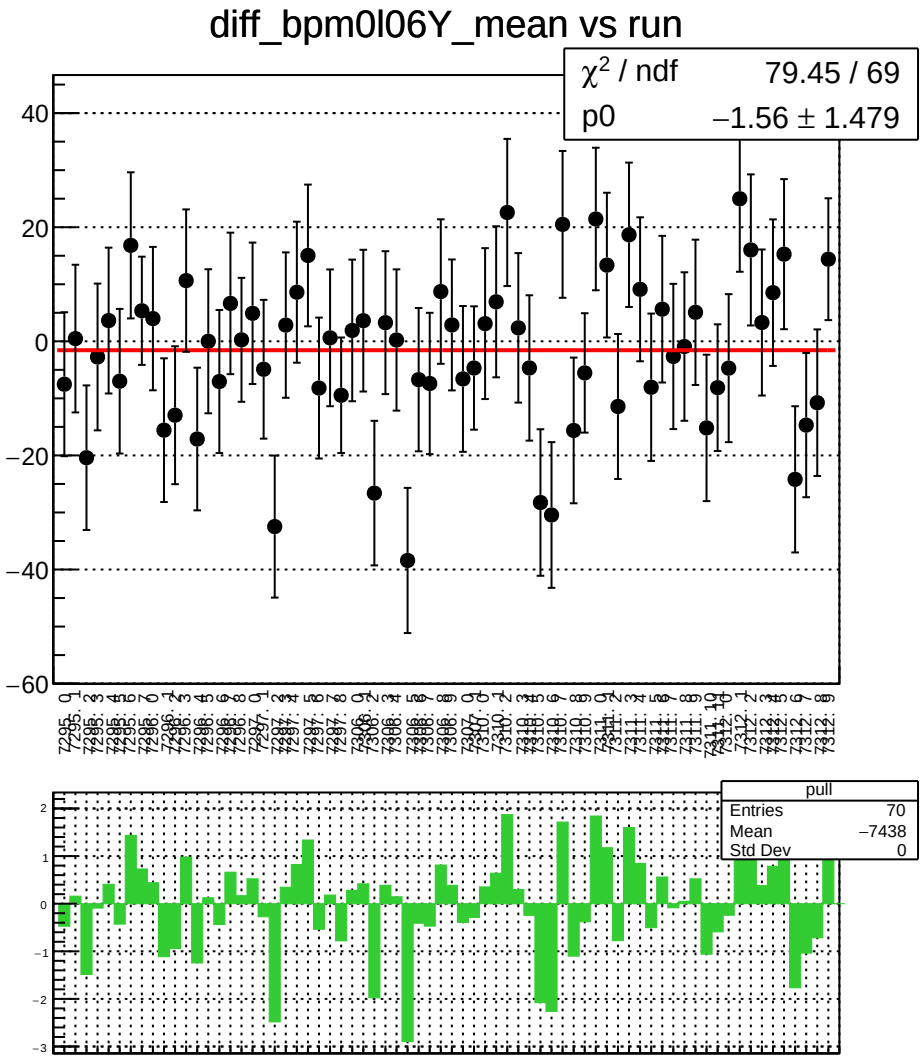

diff_bpm0l05Y_mean vs run
χ² / ndf 76.89 / 69
p0 0.06111 ± 2.338
pull
Entries 70
Mean 68.48
Std Dev 0
pull1D
Entries 70
Mean −0.009803
Std Dev 1.048

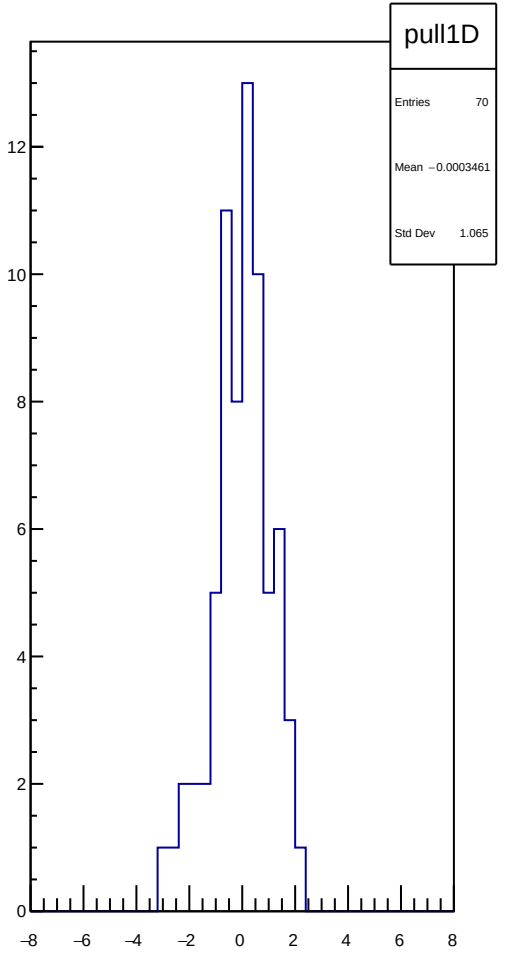

diff_bpm0l05Y_rms vs run
χ^2 / ndf 5331 / 69
p0 1894 ± 1.653
2400
2300
2200
2100
2000
1900
1800
1700

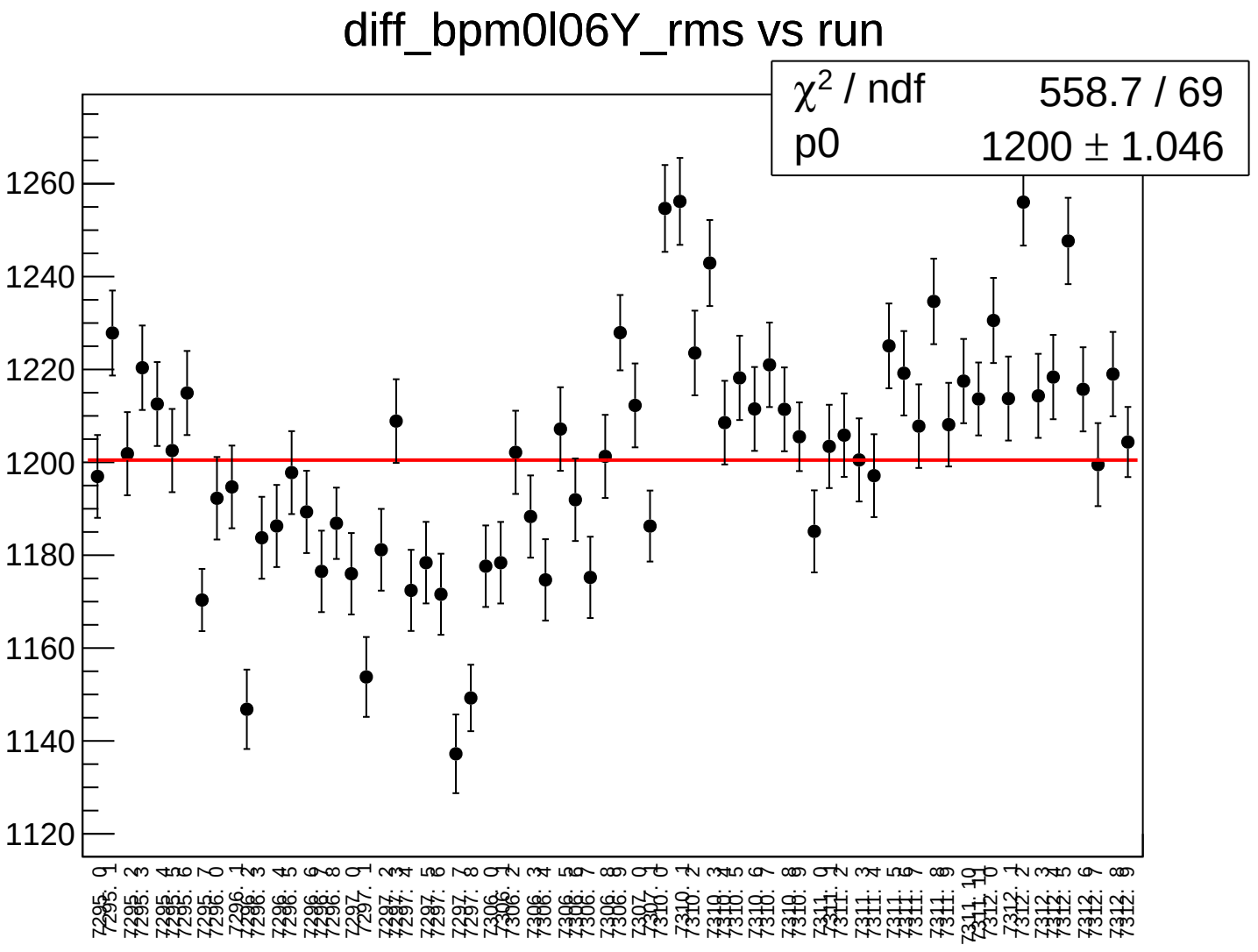

diff_bpm0l06X_mean vs run
χ² / ndf 91.28 / 69
p0 10.75 ± 8.77
pull
Entries 70
Mean 2000
Std Dev 0

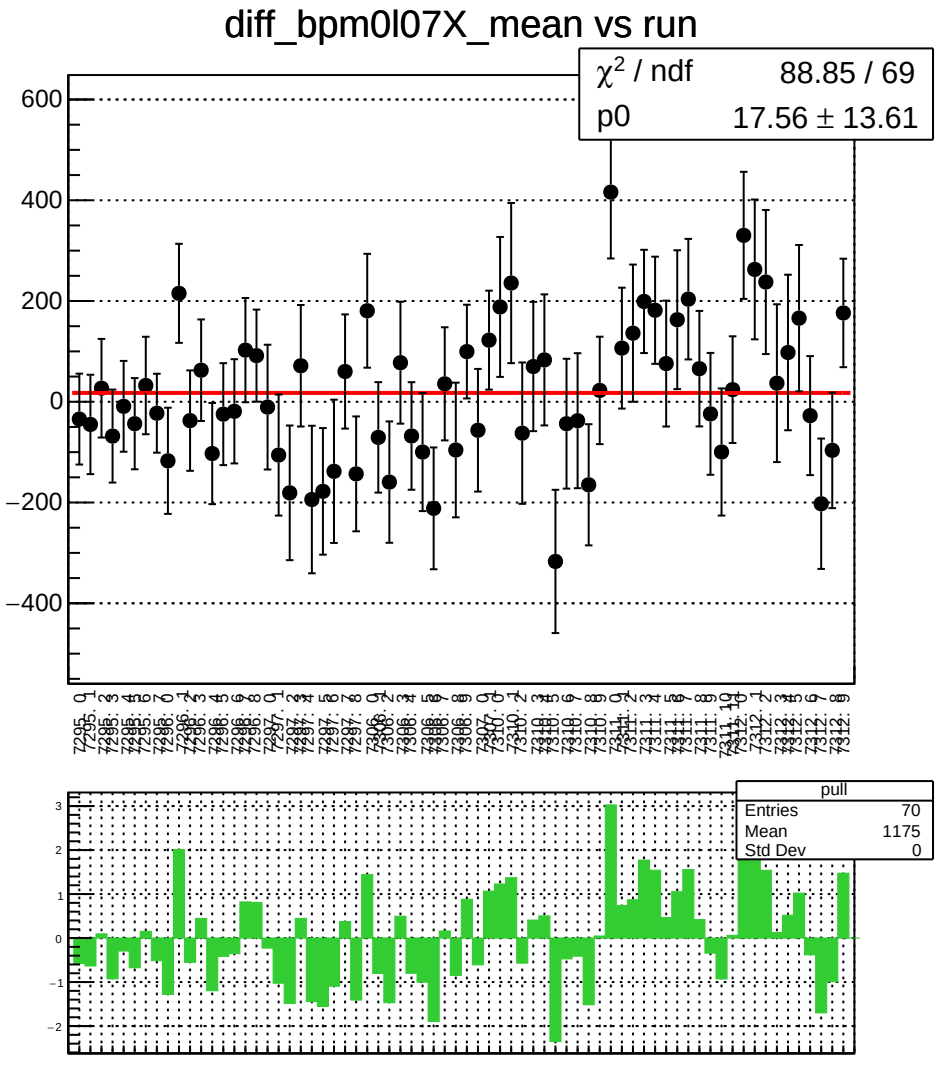

pull1D
Entries 70
Mean 0.003466
Std Dev 1.142

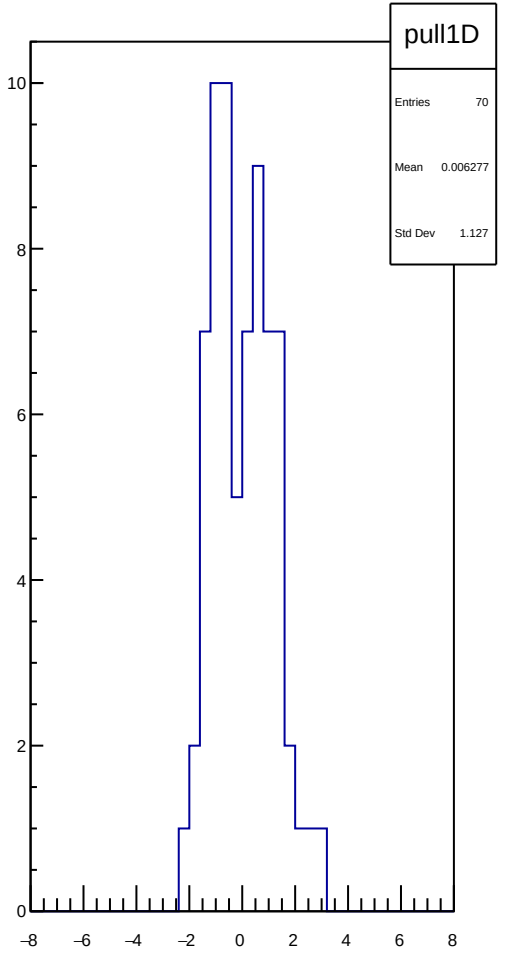

diff_bpm0l06X_rms vs run
χ² / ndf 2.463e+04 / 69
p0 7055 ± 6.201
10000
9000
8000
7000
6000

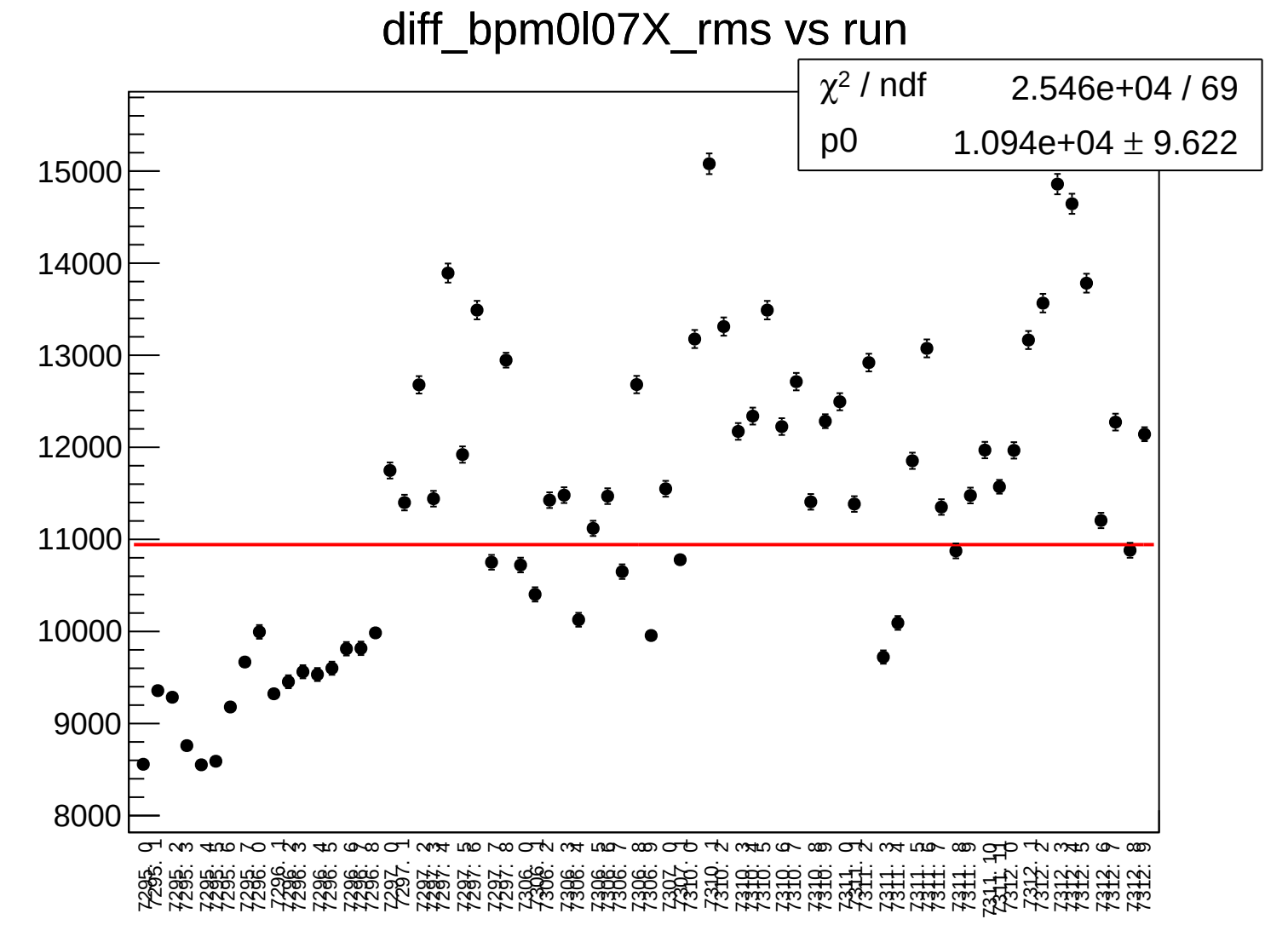

diff_bpm0l06Y_mean vs run
χ² / ndf 79.45 / 69
p0 −1.56 ± 1.479
pull
Entries 70
Mean −7438
Std Dev 0

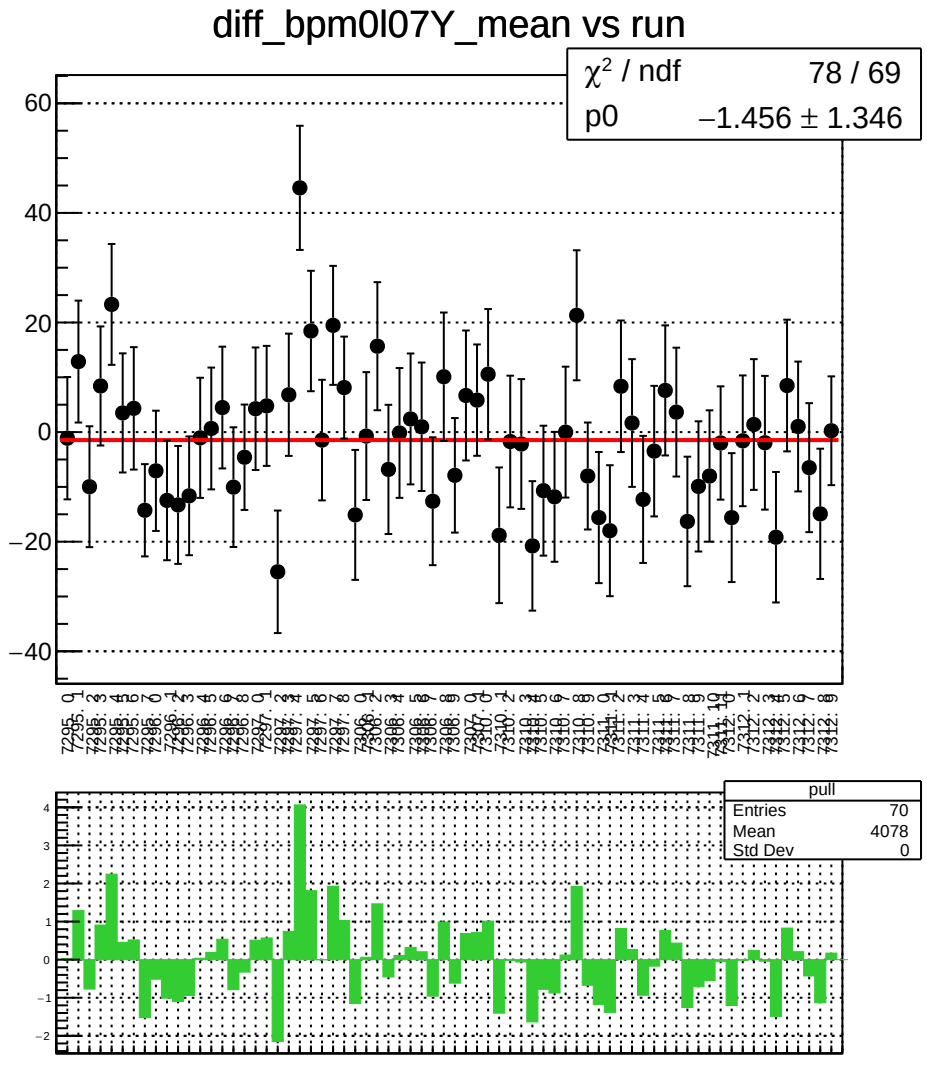

pull1D
Entries 70
Mean −0.0003461
Std Dev 1.065

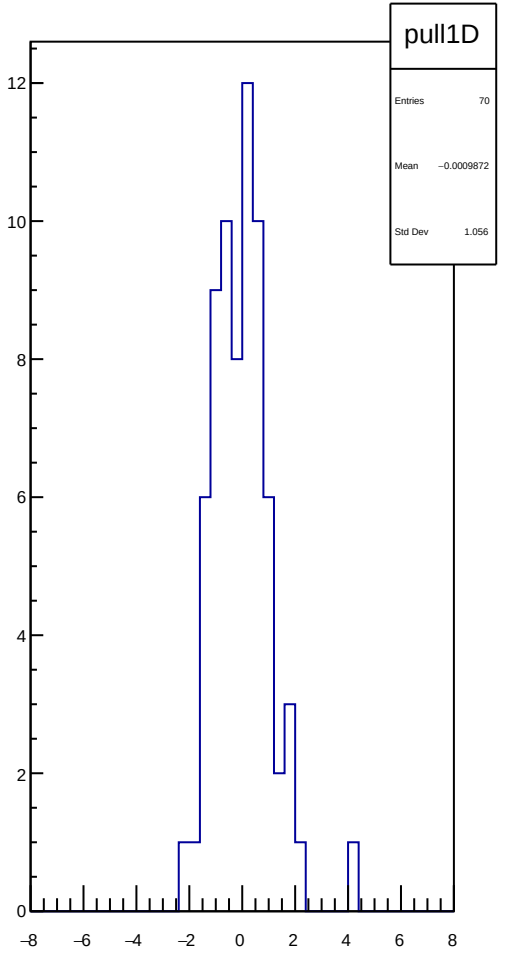

diff_bpm0l06Y_rms vs run
χ² / ndf 558.7 / 69
p0 1200 ± 1.046
1260
1240
1220
1200
1180
1160
1140
1120

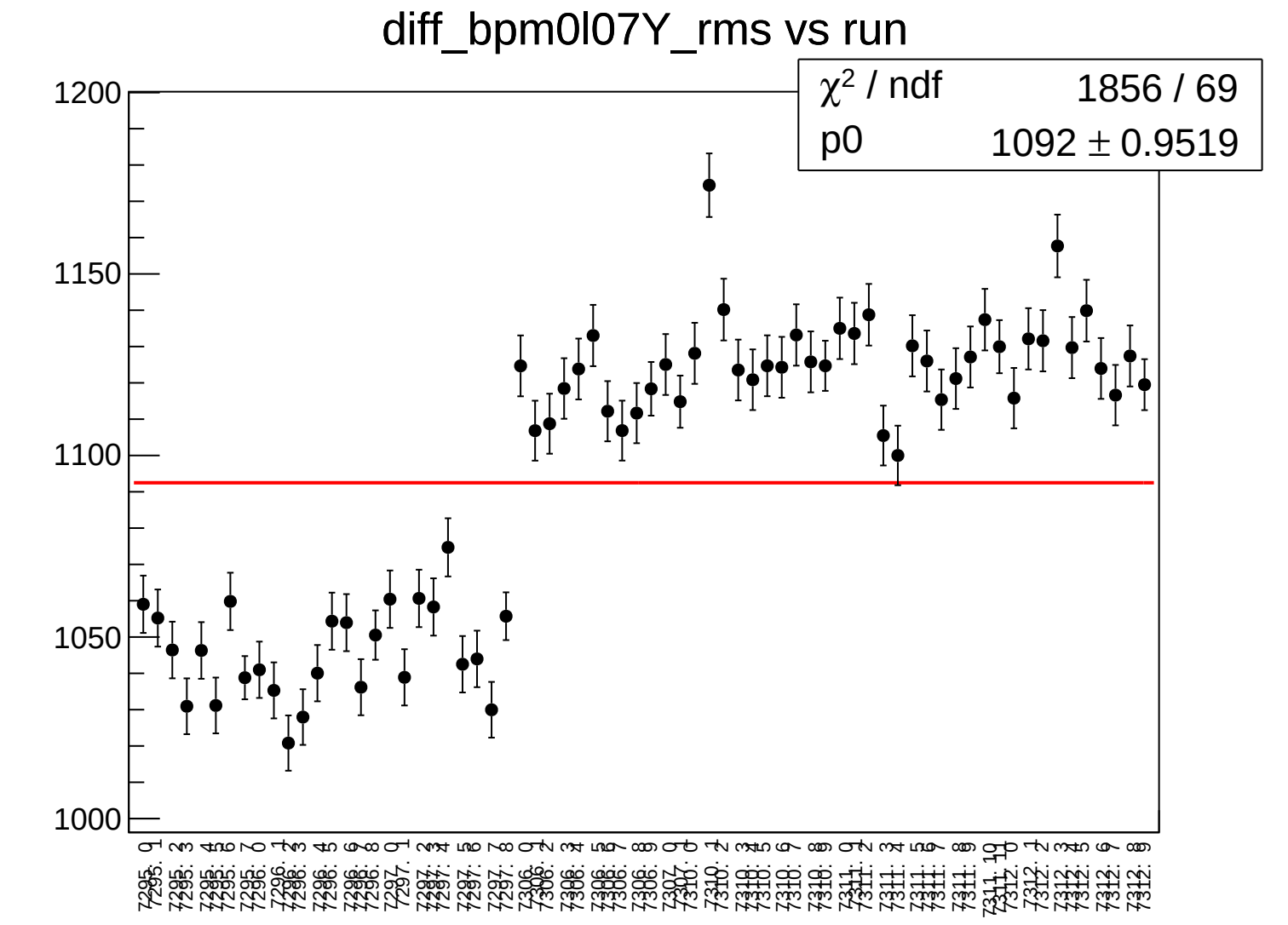

diff_bpm0l07X_mean vs run
χ^2 / ndf 88.85 / 69
p0 17.56 ± 13.61
pull
Entries 70
Mean 1175
Std Dev 0

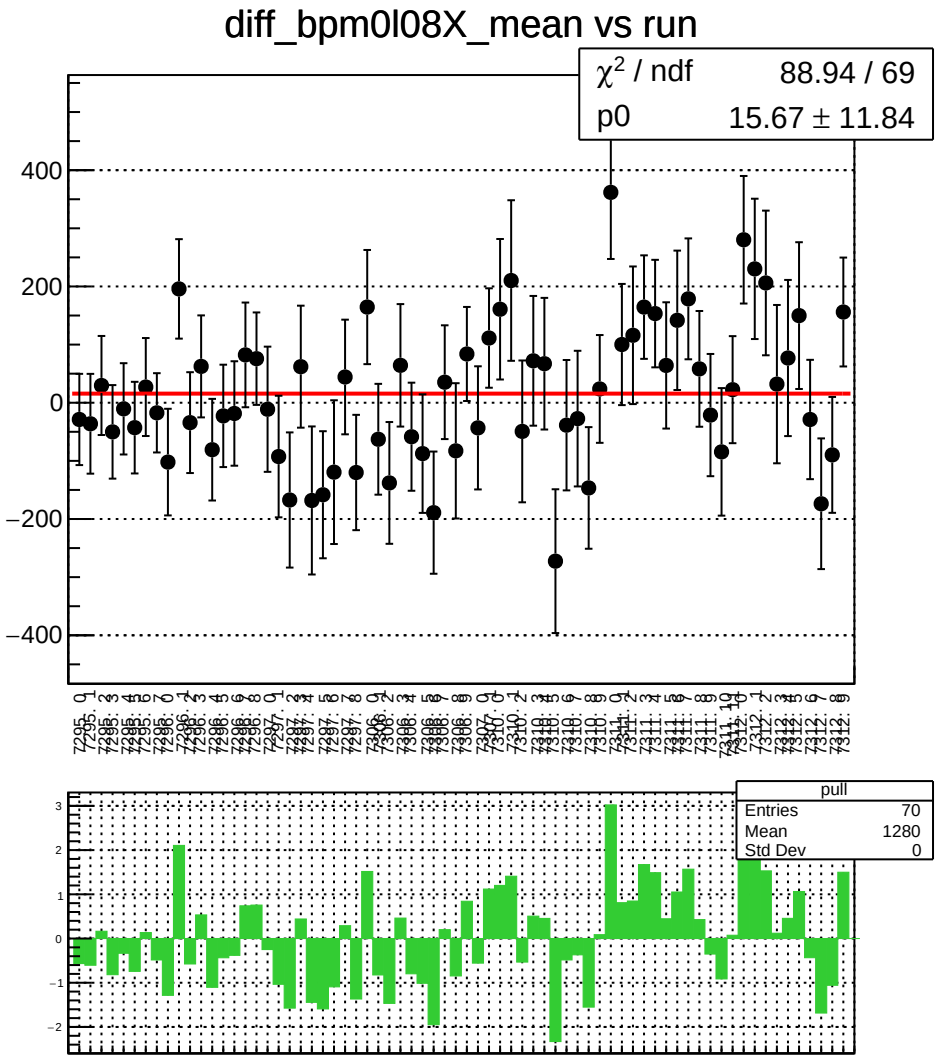

pull1D
Entries 70
Mean 0.006277
Std Dev 1.127

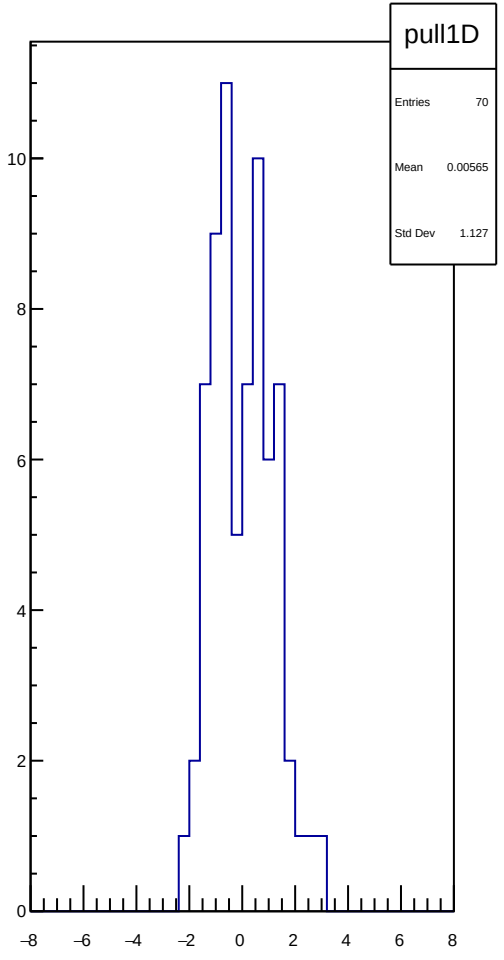

diff_bpm0l07X_rms vs run
χ² / ndf 2.546e+04 / 69
p0 1.094e+04 ± 9.622
15000
14000
13000
12000
11000
10000
9000
8000

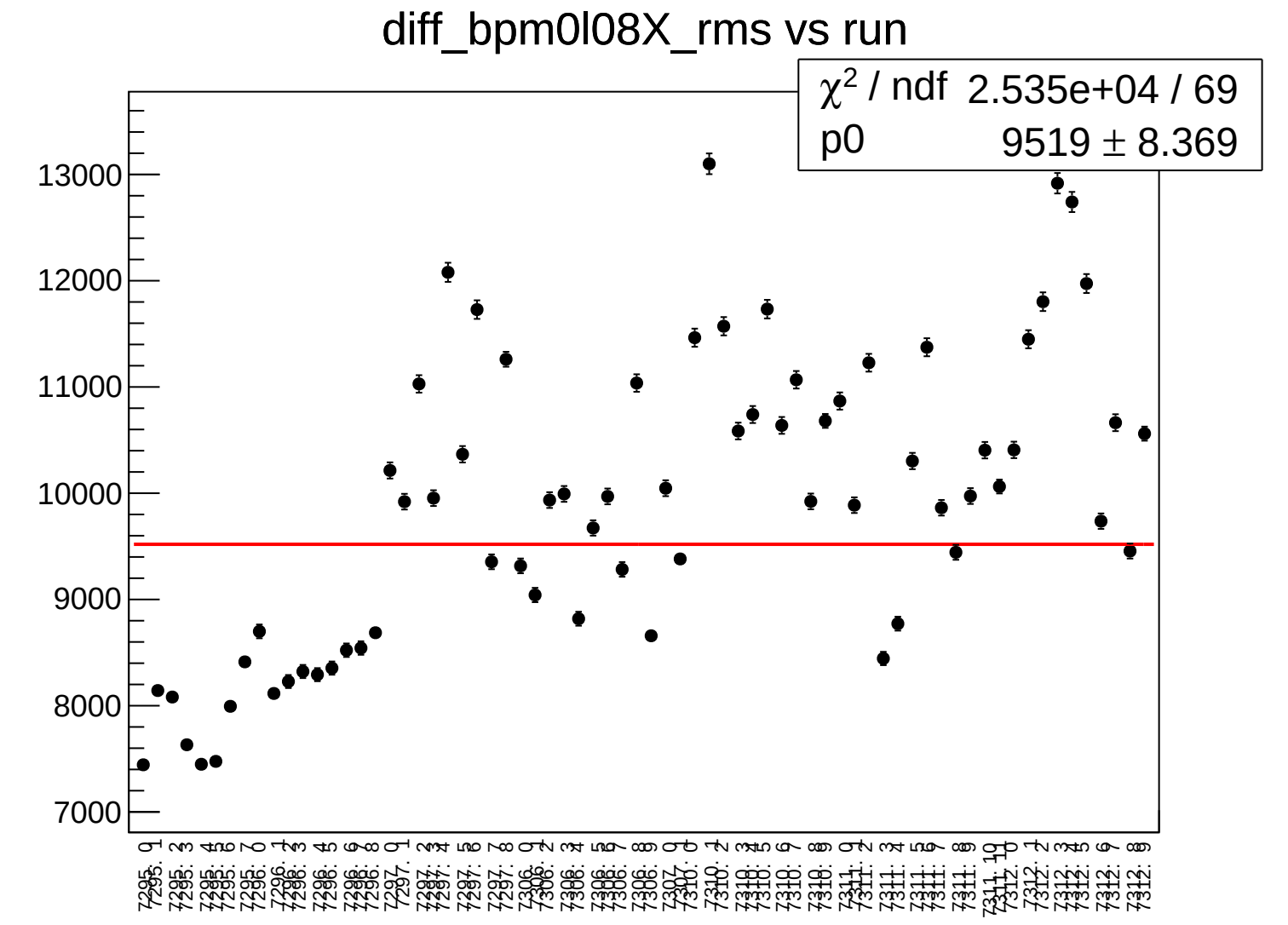

diff_bpm0l07Y_mean vs run
χ² / ndf 78 / 69
p0 −1.456 ± 1.346
pull
Entries 70
Mean 4078
Std Dev 0

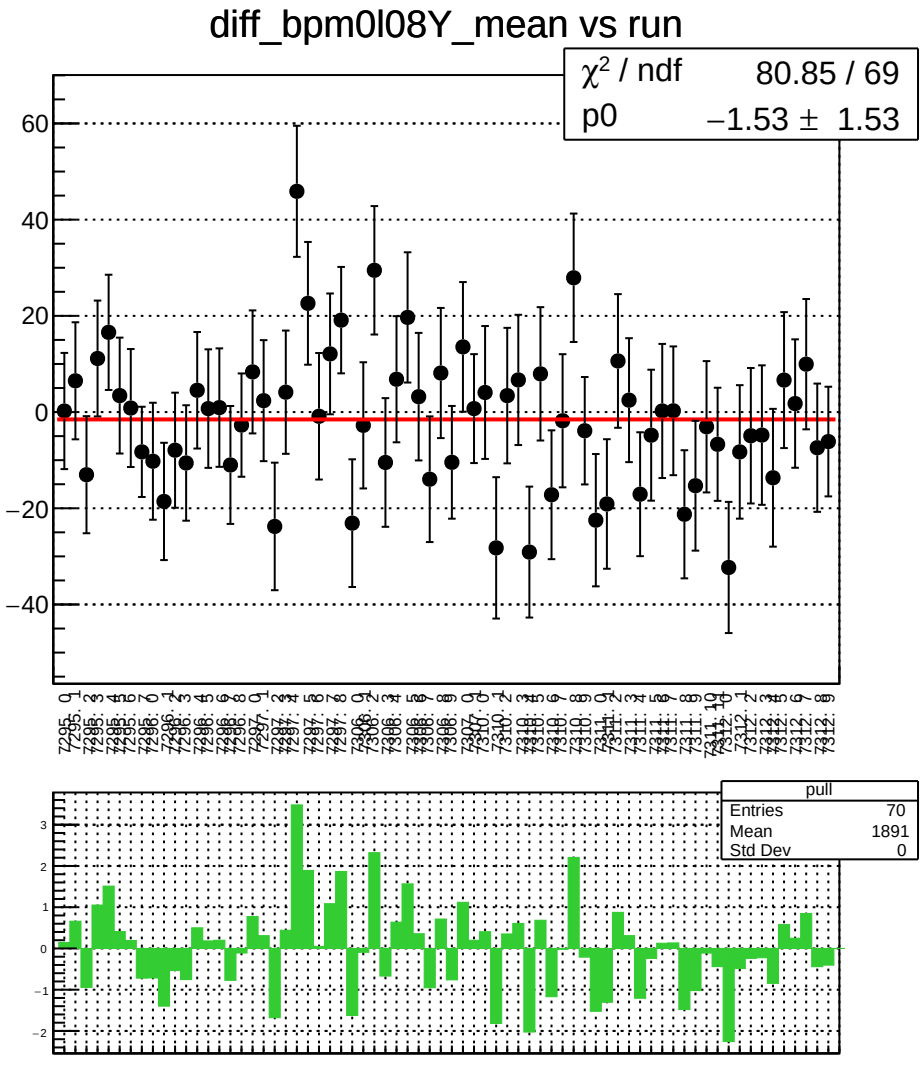

pull1D
Entries 70
Mean −0.0009872
Std Dev 1.056

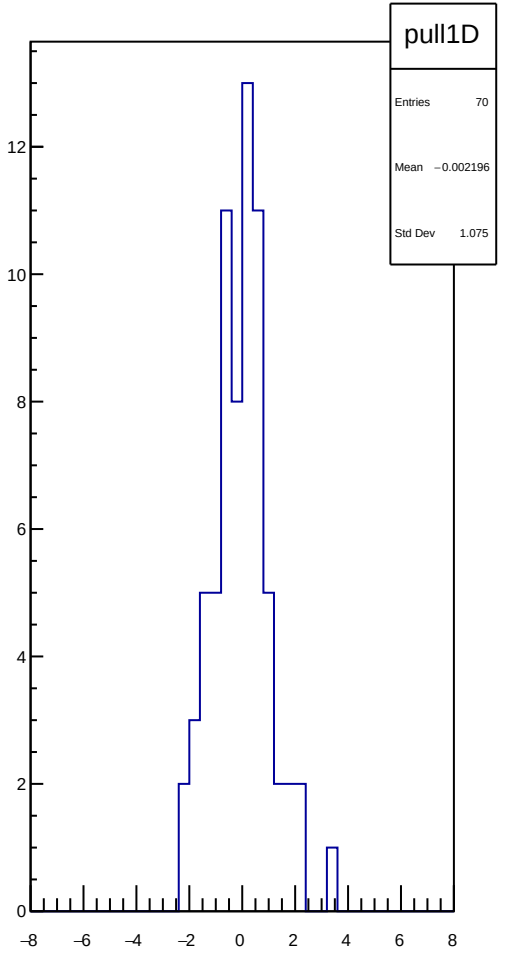

diff_bpm0l07Y_rms vs run
χ² / ndf 1856 / 69
p0 1092 ± 0.9519
1200
1150
1100
1050
1000

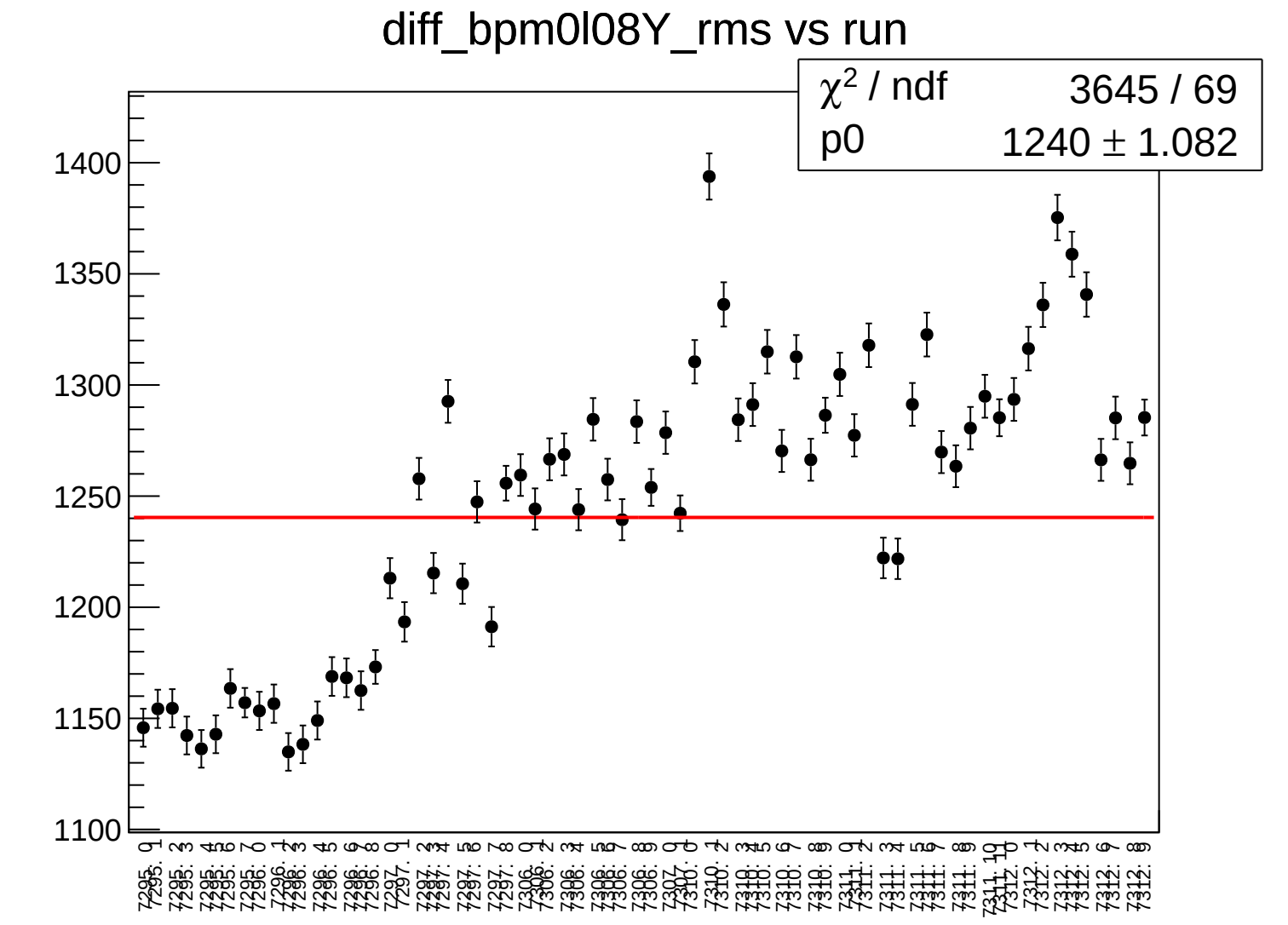

diff_bpm0l08X_mean vs run
χ² / ndf 88.94 / 69
p0 15.67 ± 11.84
400
200
0
−200
−400
pull
Entries 70
Mean 1280
Std Dev 0
3
2
1
0
−1
−2

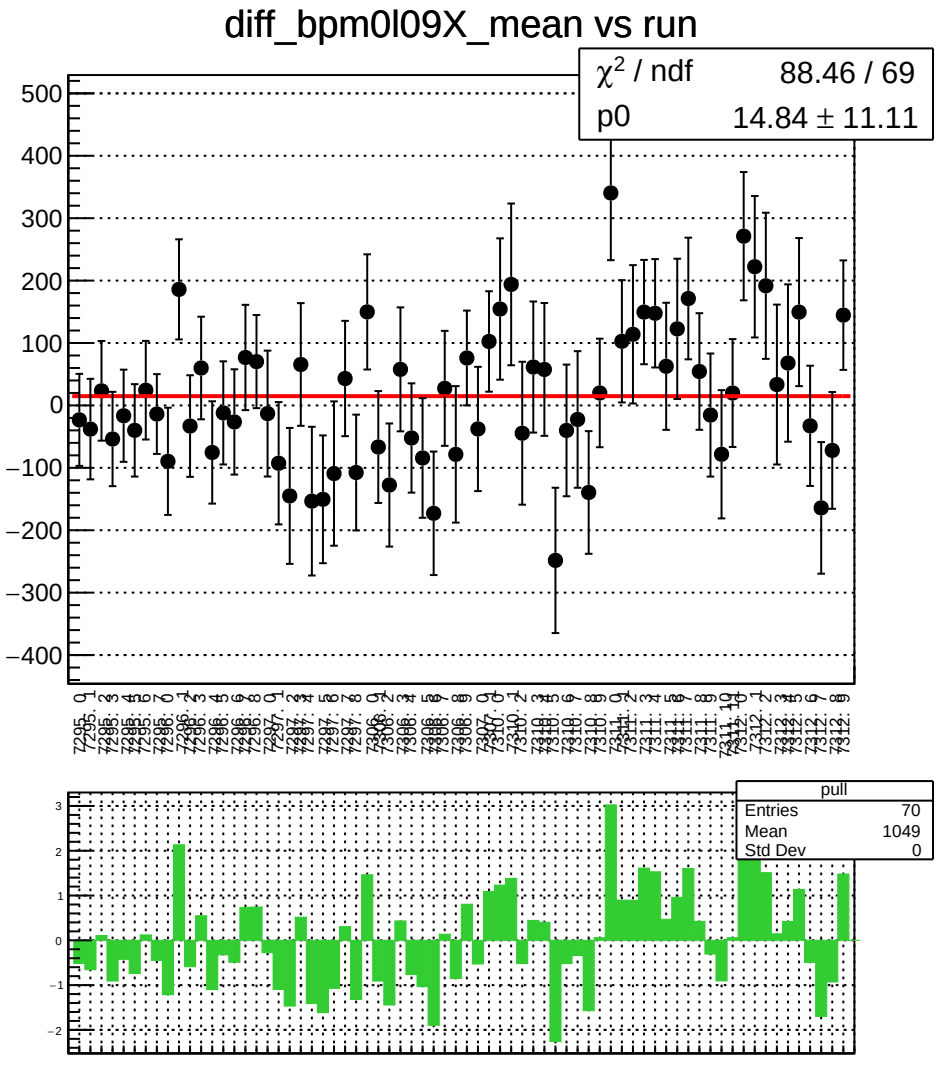

pull1D
Entries 70
Mean 0.00565
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

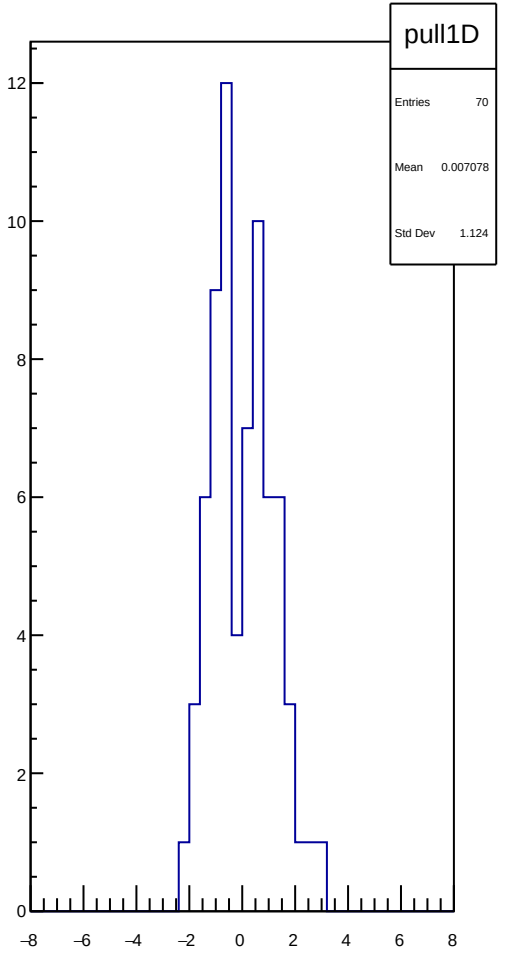

diff_bpm0l08X_rms vs run
χ² / ndf 2.535e+04 / 69
p0 9519 ± 8.369
13000
12000
11000
10000
9000
8000
7000

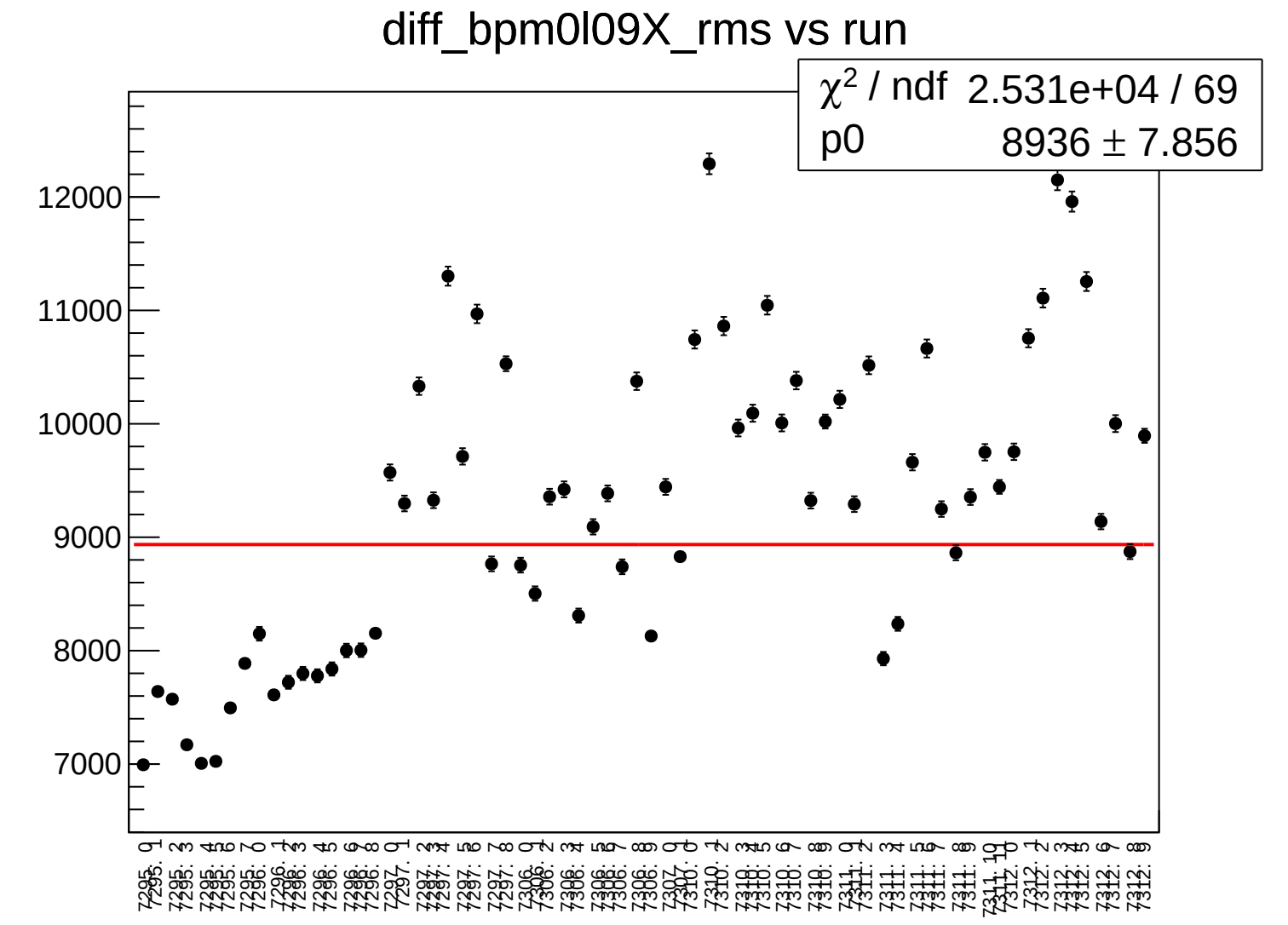

diff_bpm0l08Y_mean vs run
χ² / ndf 80.85 / 69
p0 −1.53 ± 1.53
pull
Entries 70
Mean 1891
Std Dev 0

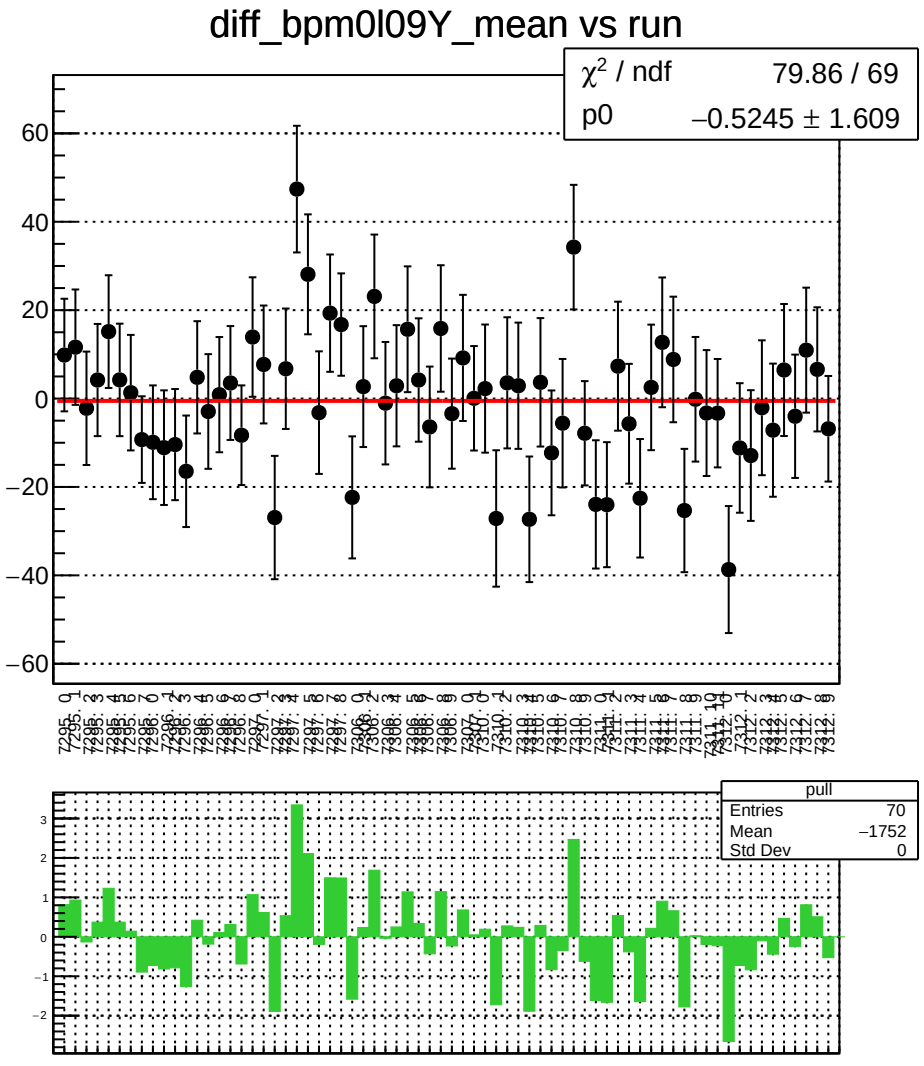

pull1D
Entries 70
Mean −0.002196
Std Dev 1.075

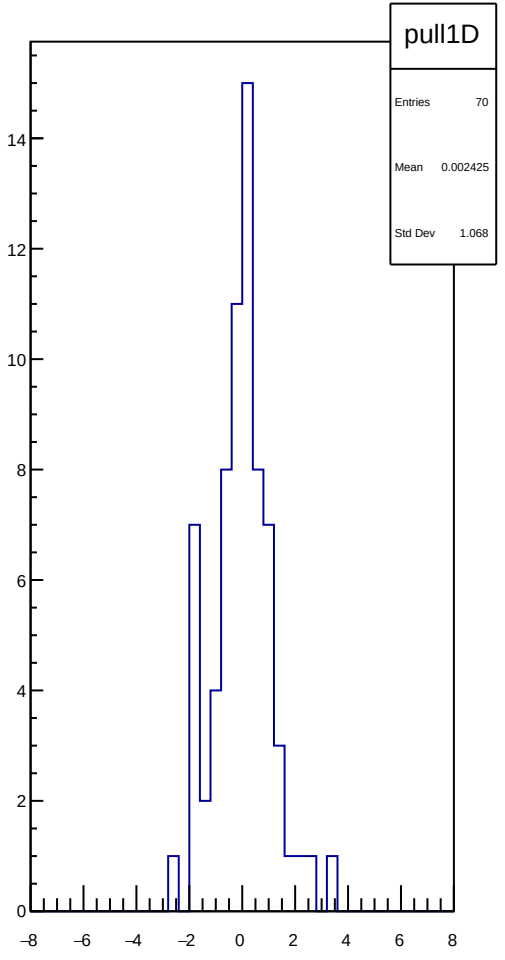

diff_bpm0l08Y_rms vs run
χ^2 / ndf 3645 / 69
p0 1240 ± 1.082
1400
1350
1300
1250
1200
1150
1100

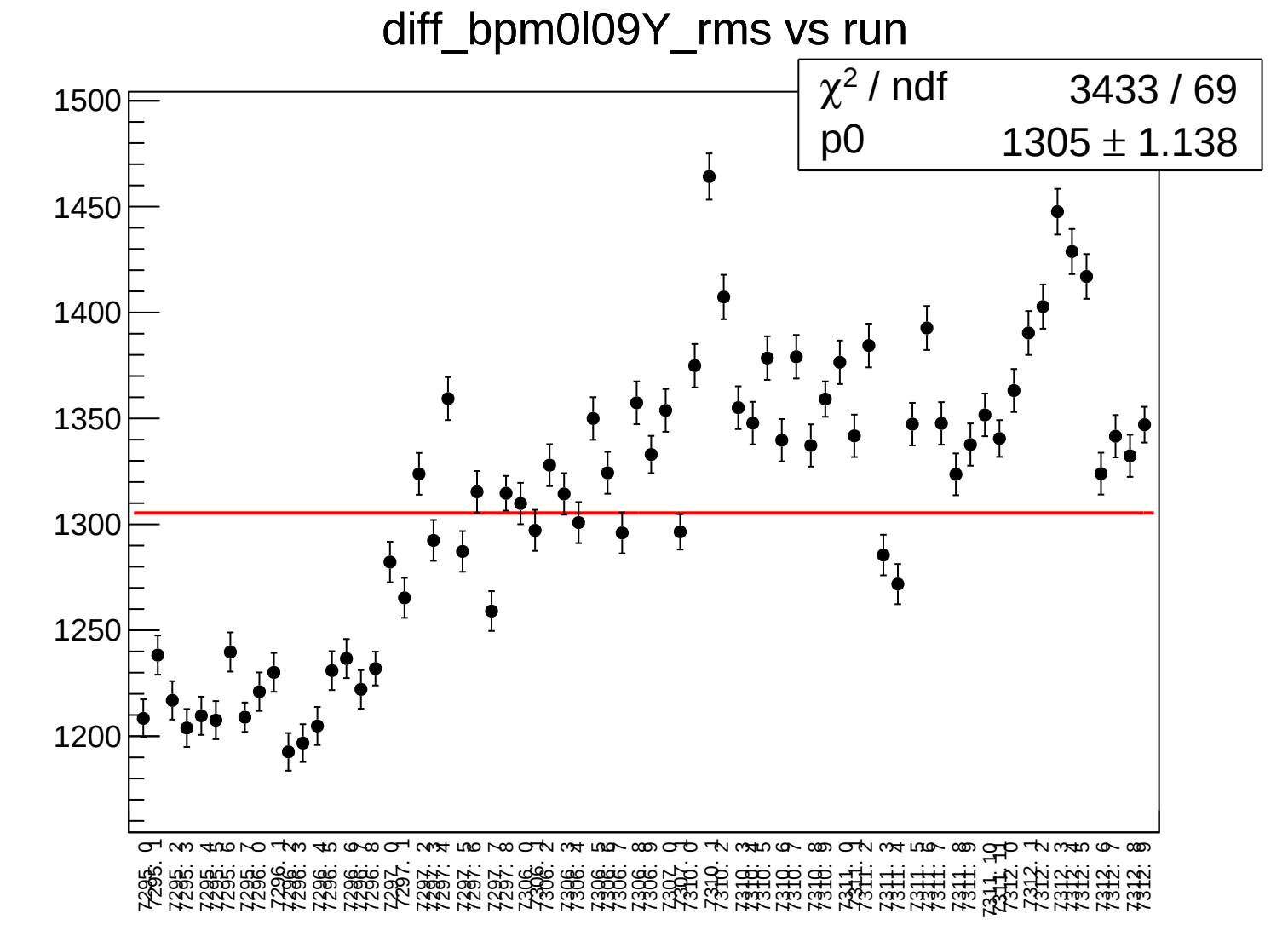

diff_bpm0l09X_mean vs run
χ² / ndf 88.46 / 69
p0 14.84 ± 11.11
pull
Entries 70
Mean 1049
Std Dev 0

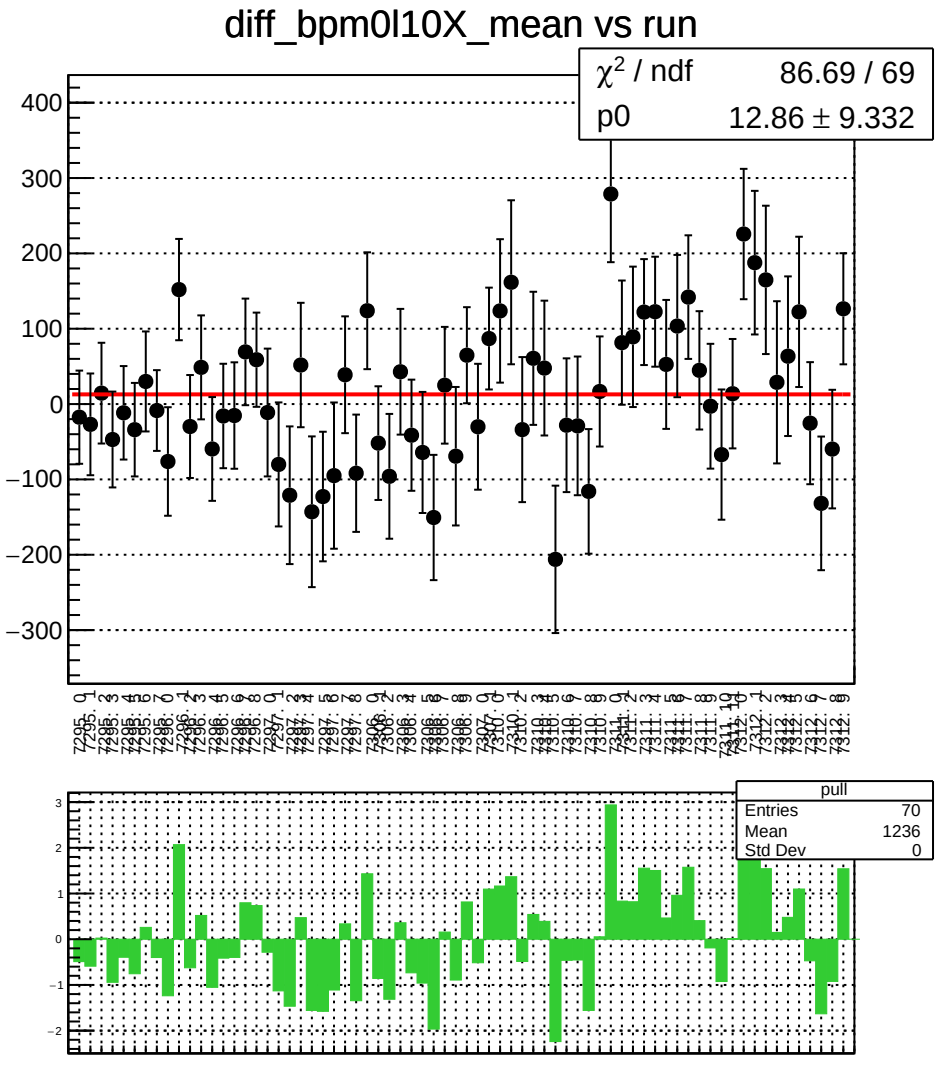

pull1D
Entries 70
Mean 0.007078
Std Dev 1.124

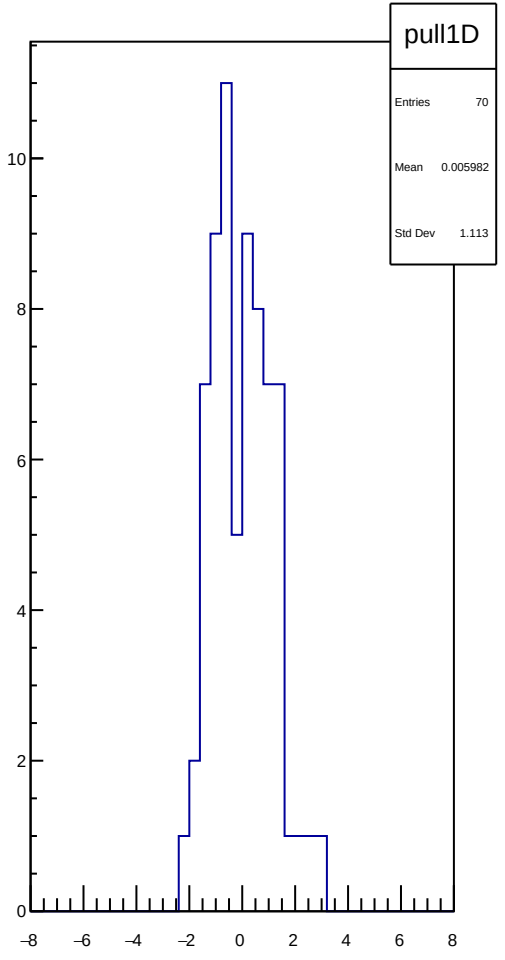

diff_bpm0l09X_rms vs run
χ² / ndf 2.531e+04 / 69
p0 8936 ± 7.856
12000
11000
10000
9000
8000
7000

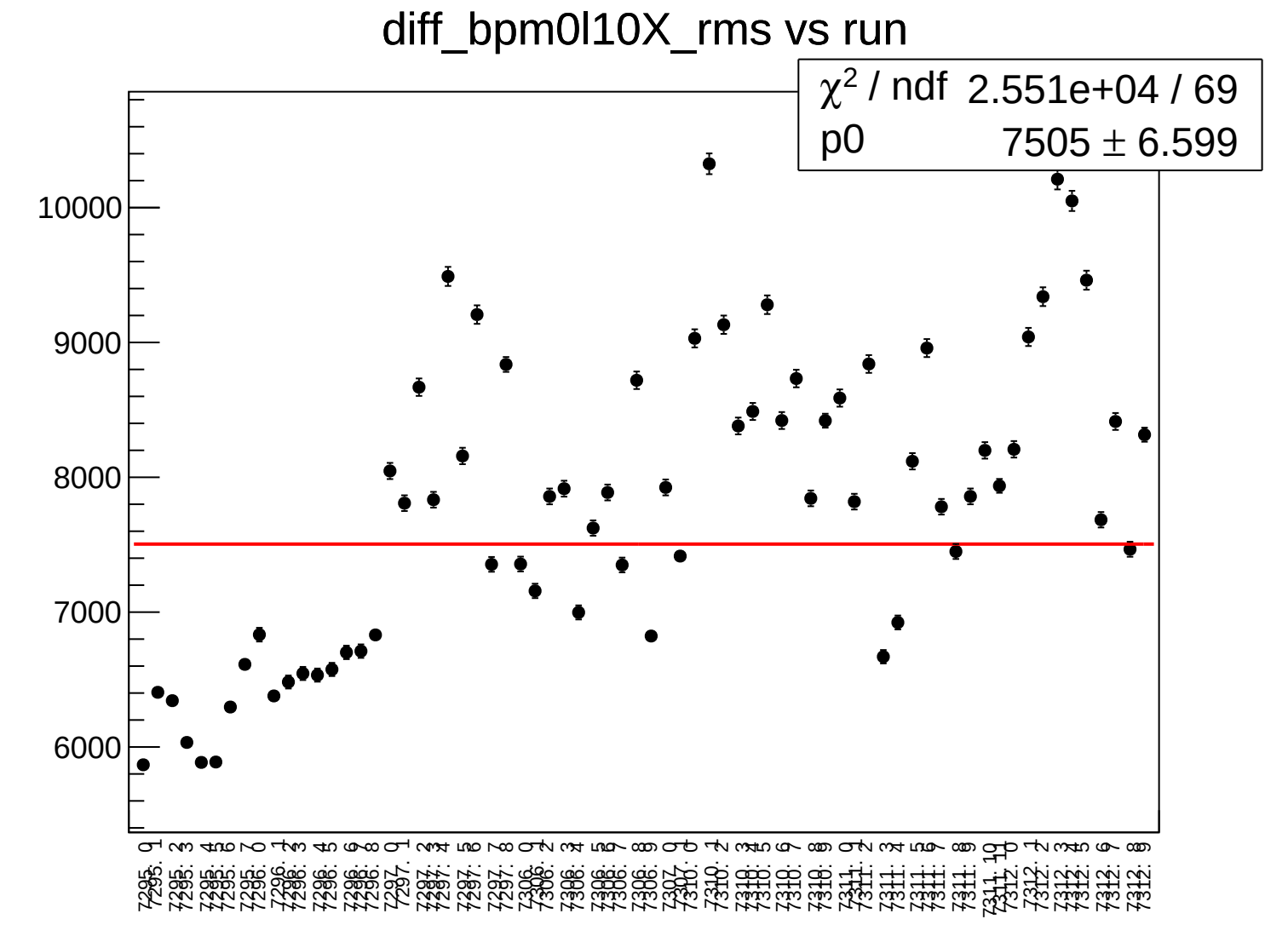

diff_bpm0l09Y_mean vs run
χ² / ndf 79.86 / 69
p0 −0.5245 ± 1.609
pull
Entries 70
Mean −1752
Std Dev 0

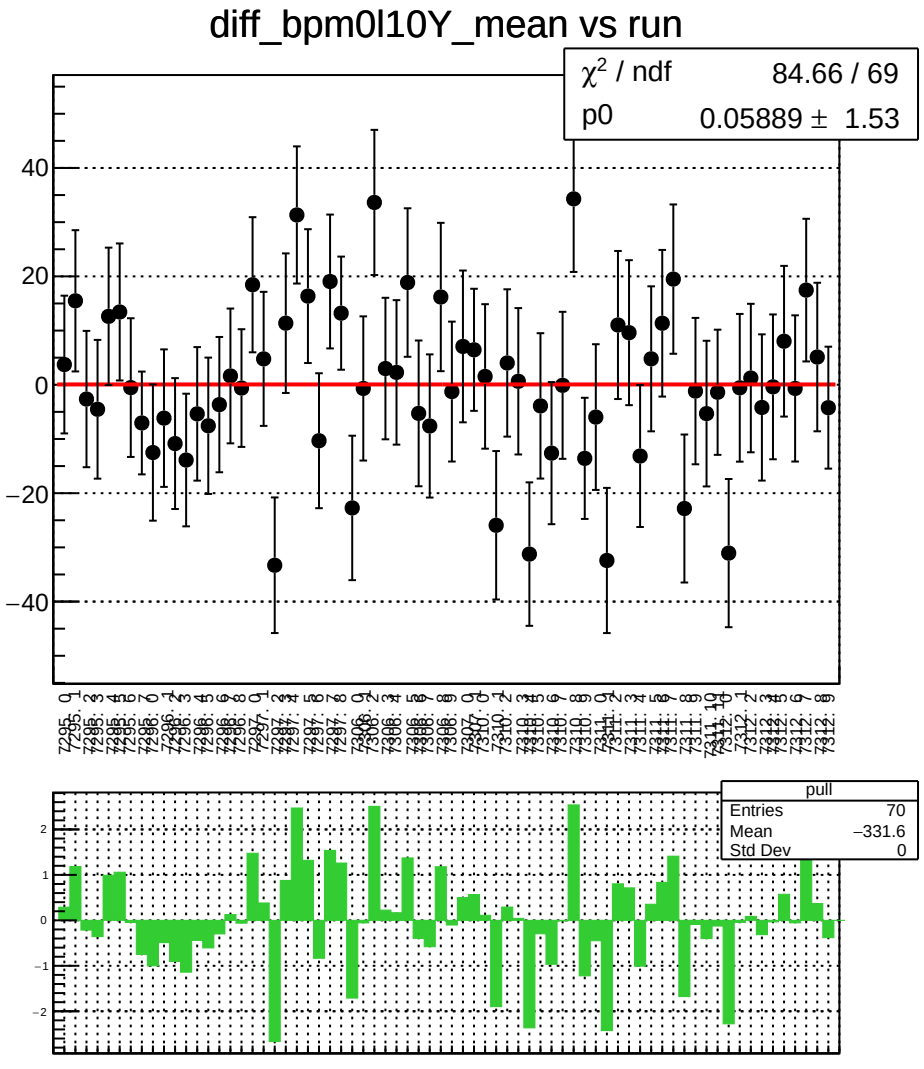

pull1D
Entries 70
Mean 0.002425
Std Dev 1.068

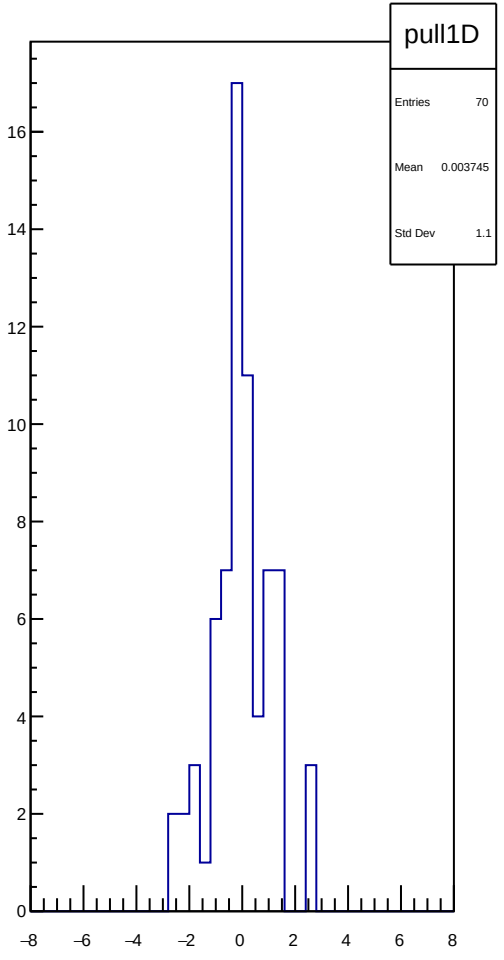

diff_bpm0l09Y_rms vs run
χ^2 / ndf 3433 / 69
p0 1305 ± 1.138
1500
1450
1400
1350
1300
1250
1200

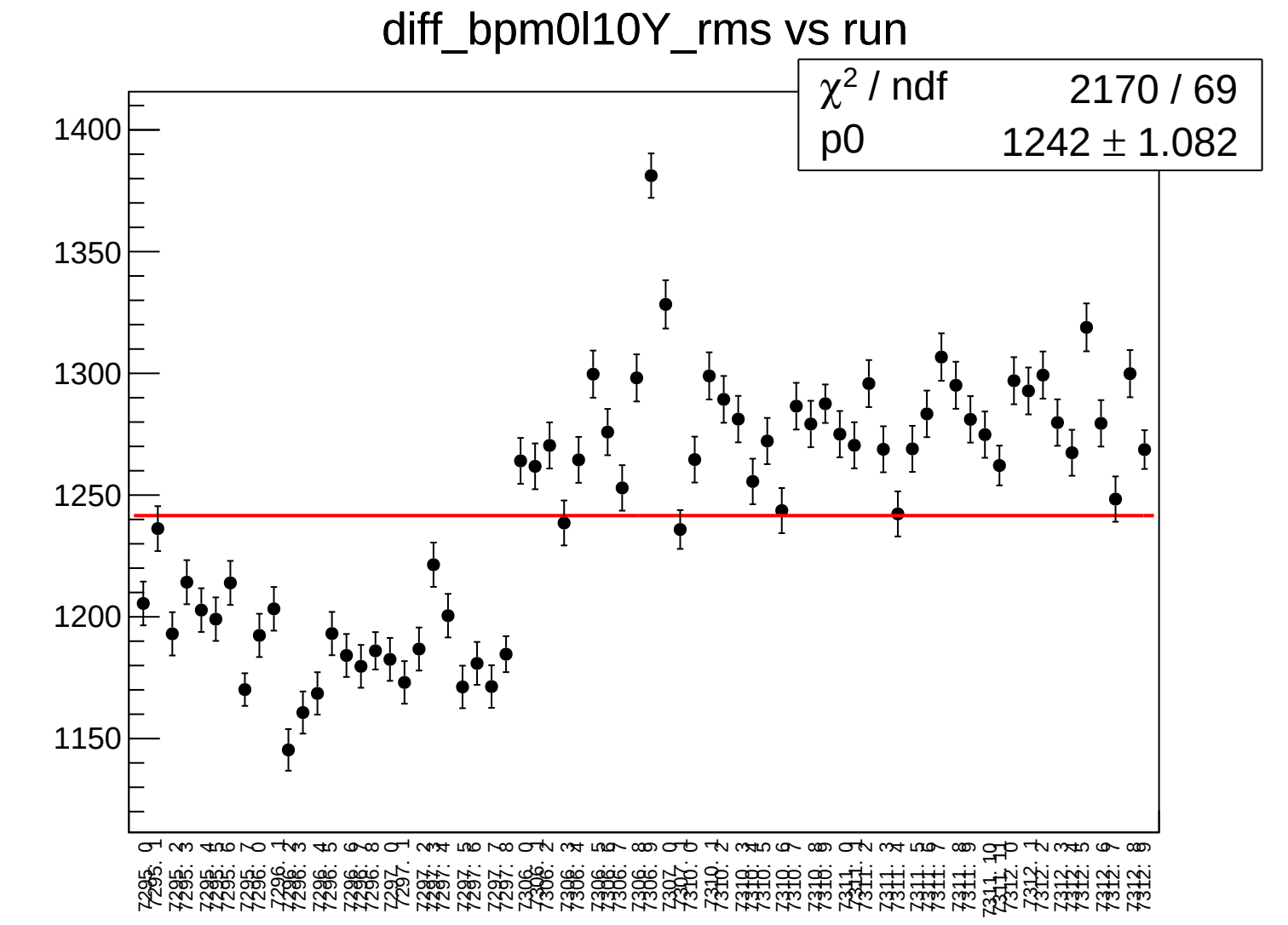

diff_bpm0l10X_mean vs run
χ² / ndf 86.69 / 69
p0 12.86 ± 9.332
pull
Entries 70
Mean 1236
Std Dev 0

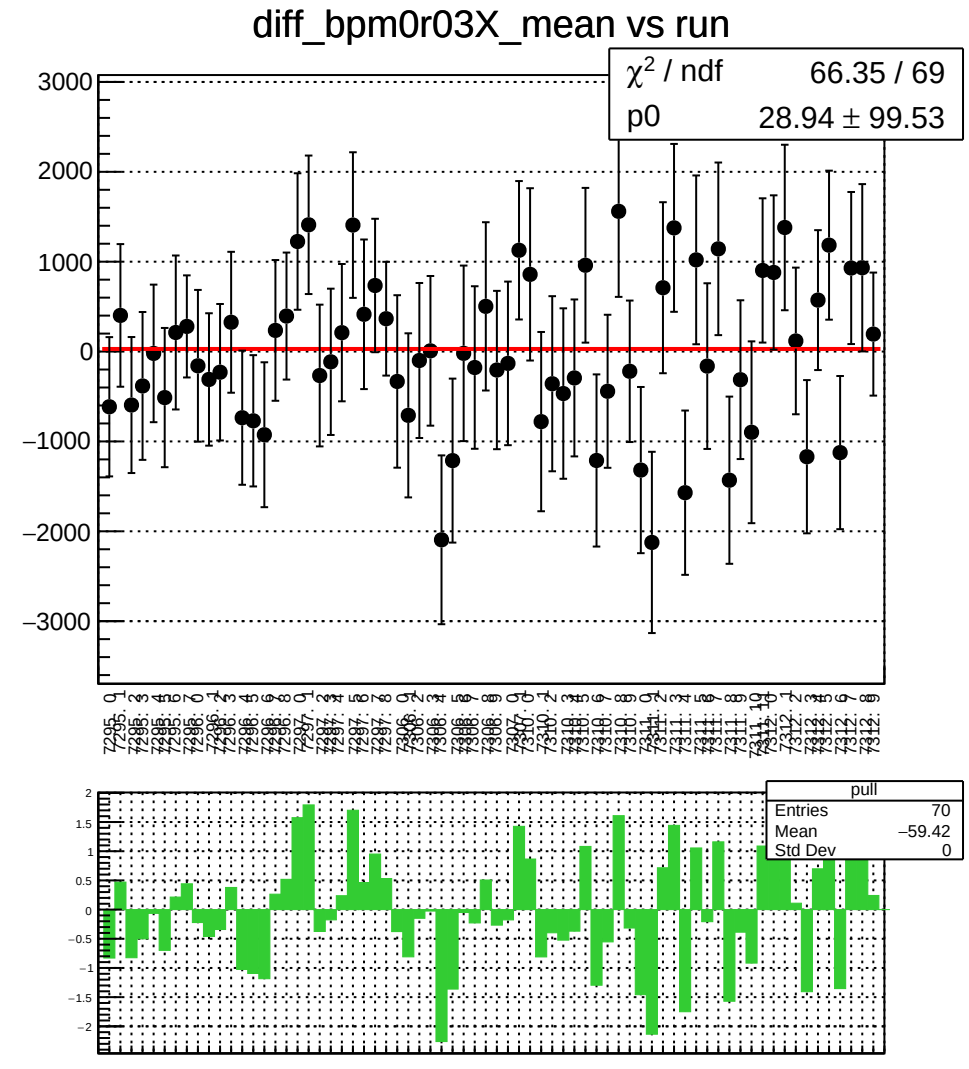

pull1D
Entries 70
Mean 0.005982
Std Dev 1.113

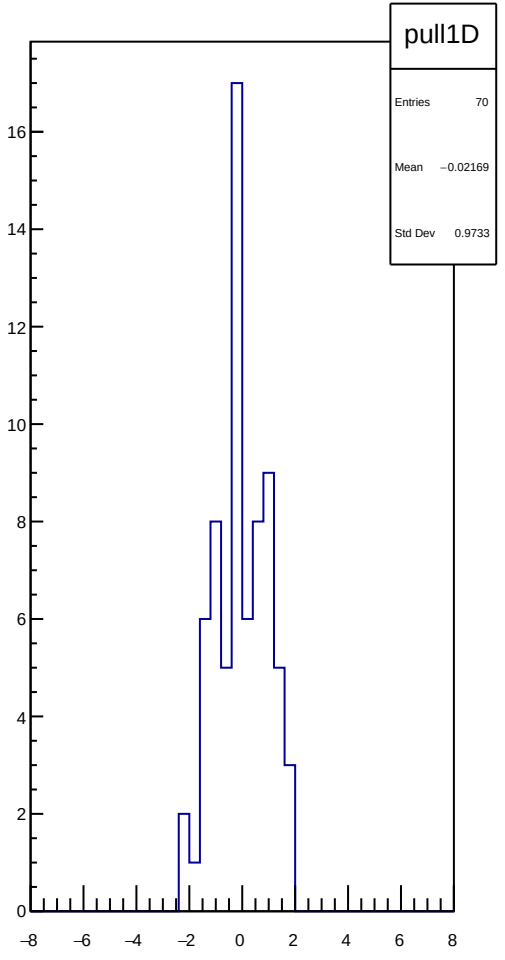

diff_bpm0l10X_rms vs run
χ^2 / ndf 2.551e+04 / 69
p0 7505 ± 6.599
10000
9000
8000
7000
6000

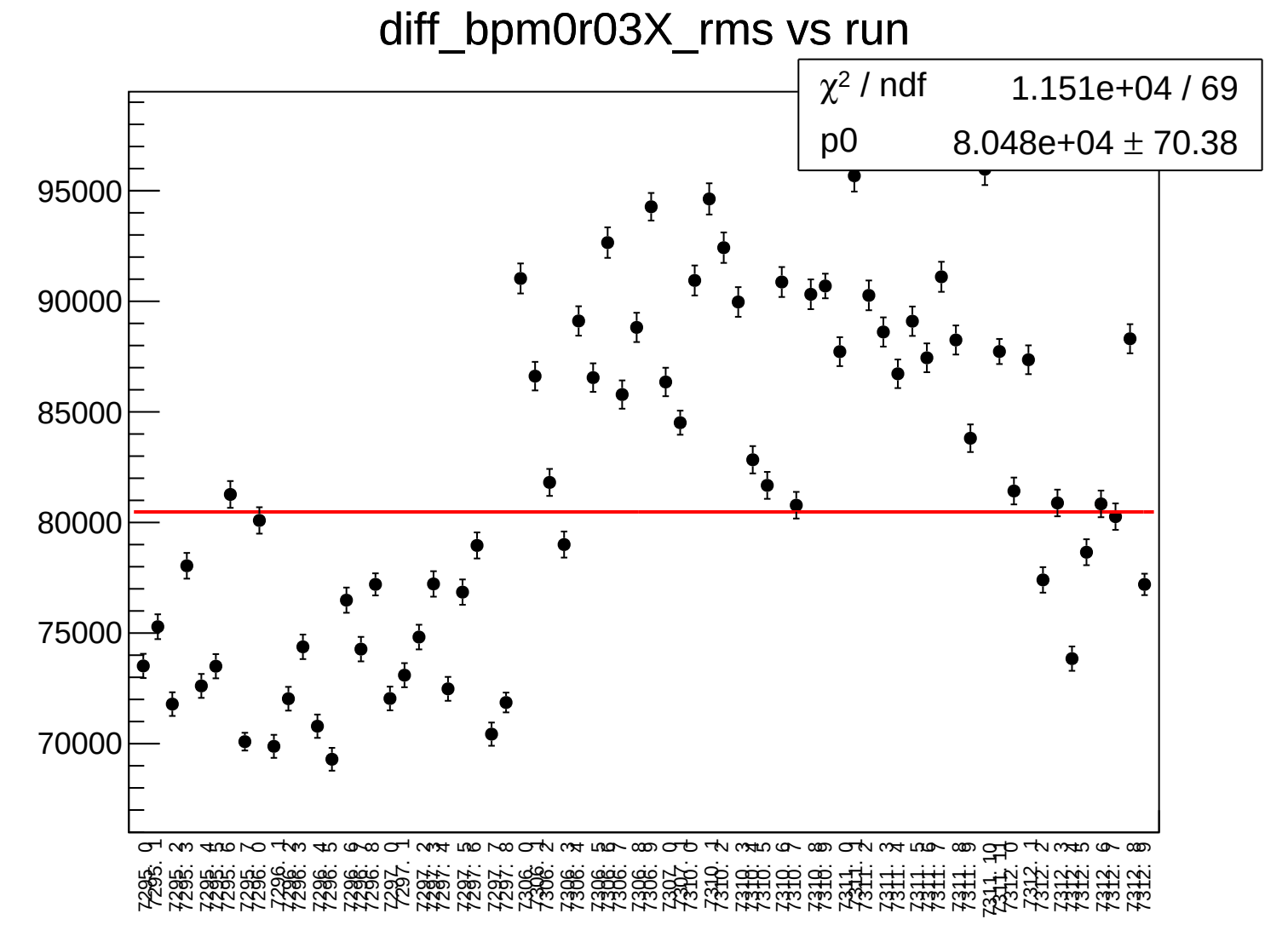

diff_bpm0l10Y_mean vs run
χ² / ndf 84.66 / 69
p0 0.05889 ± 1.53
pull
Entries 70
Mean −331.6
Std Dev 0

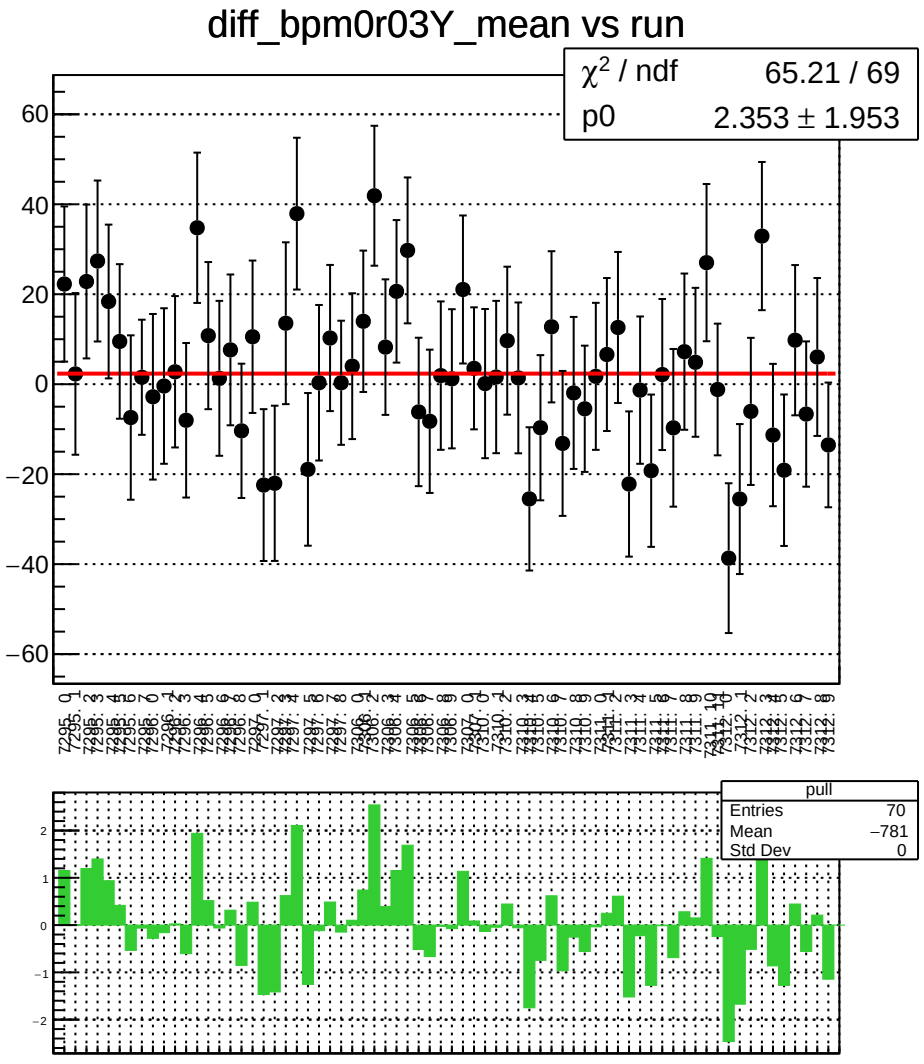

pull1D
Entries 70
Mean 0.003745
Std Dev 1.1

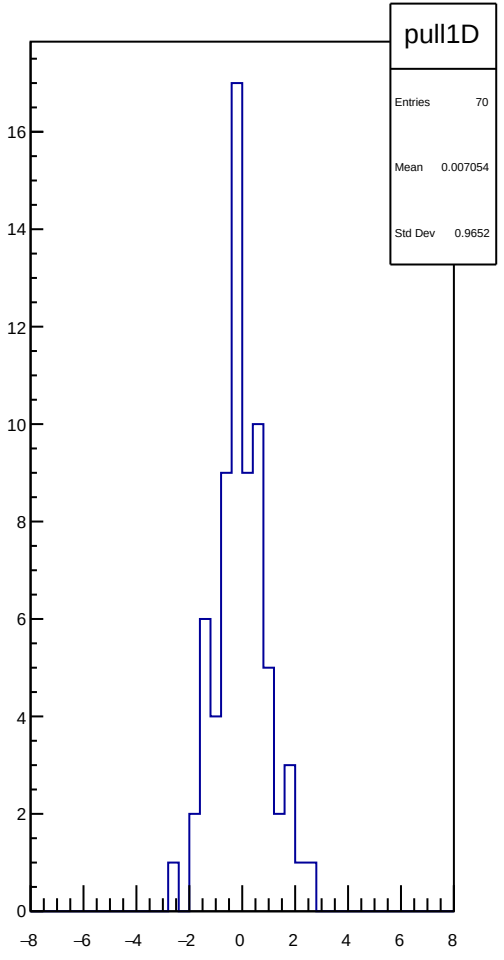

diff_bpm0l10Y_rms vs run
χ² / ndf 2170 / 69
p0 1242 ± 1.082
1400
1350
1300
1250
1200
1150

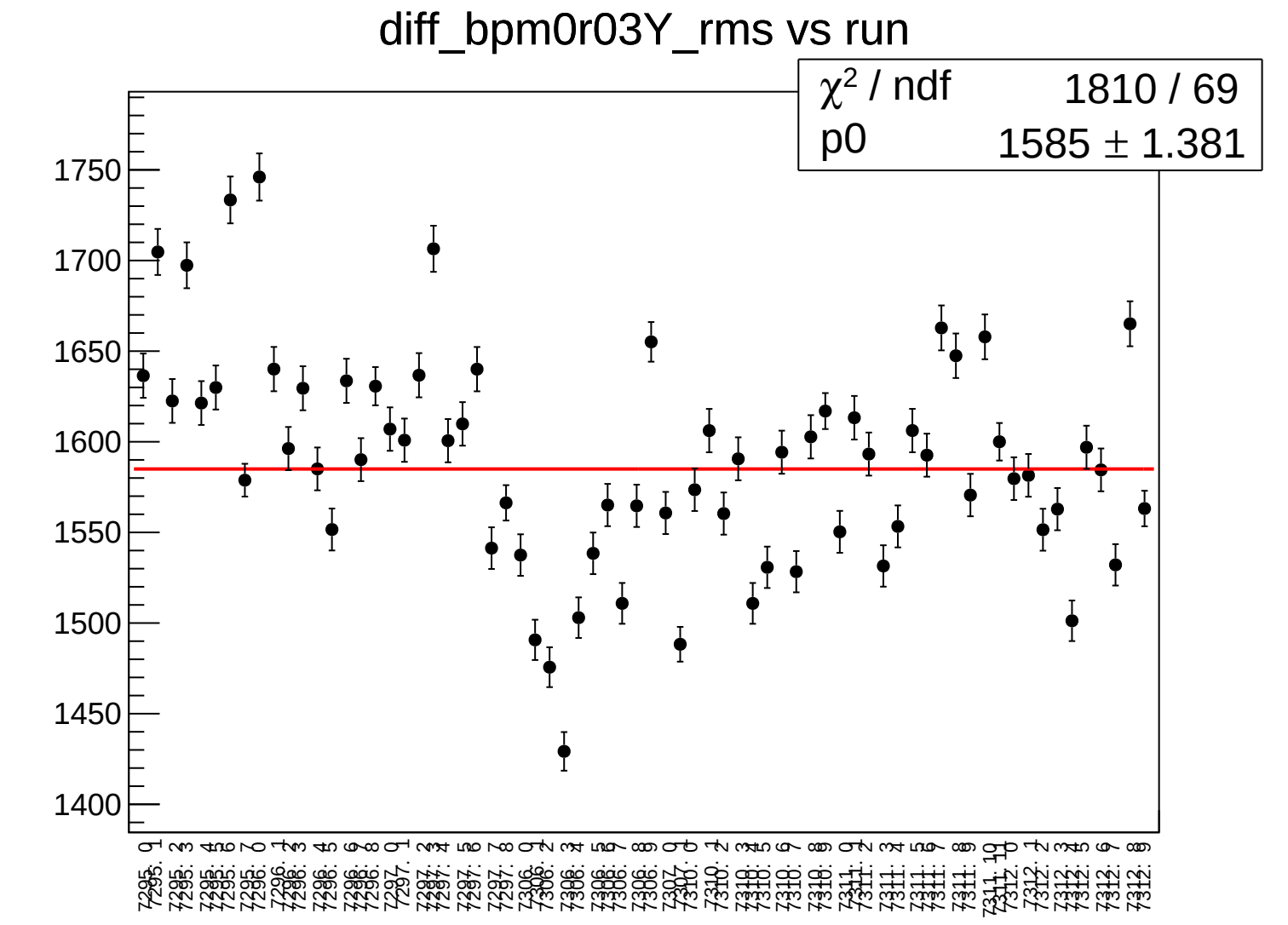

diff_bpm0r03X_mean vs run
χ^2 / ndf 66.35 / 69
p0 28.94 ± 99.53
pull
Entries 70
Mean −59.42
Std Dev 0

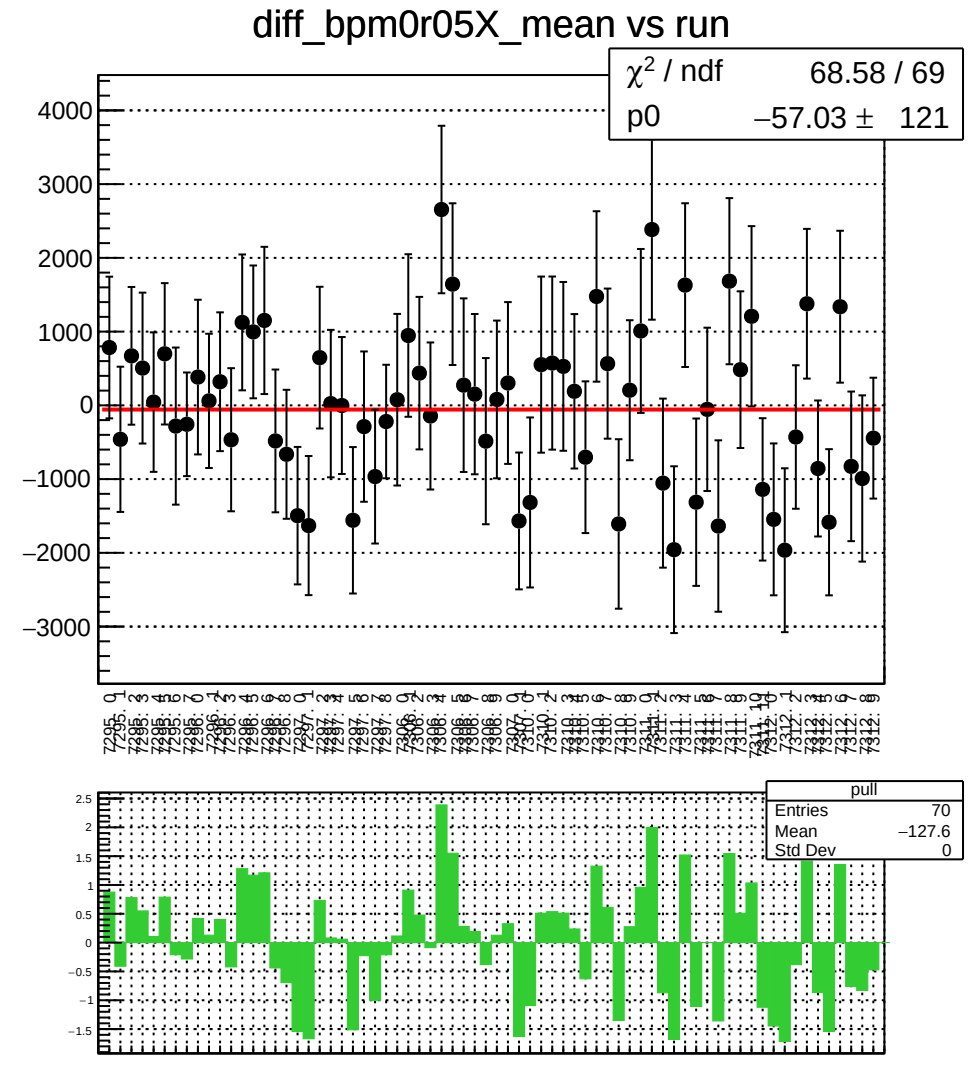

pull1D
Entries 70
Mean −0.02169
Std Dev 0.9733

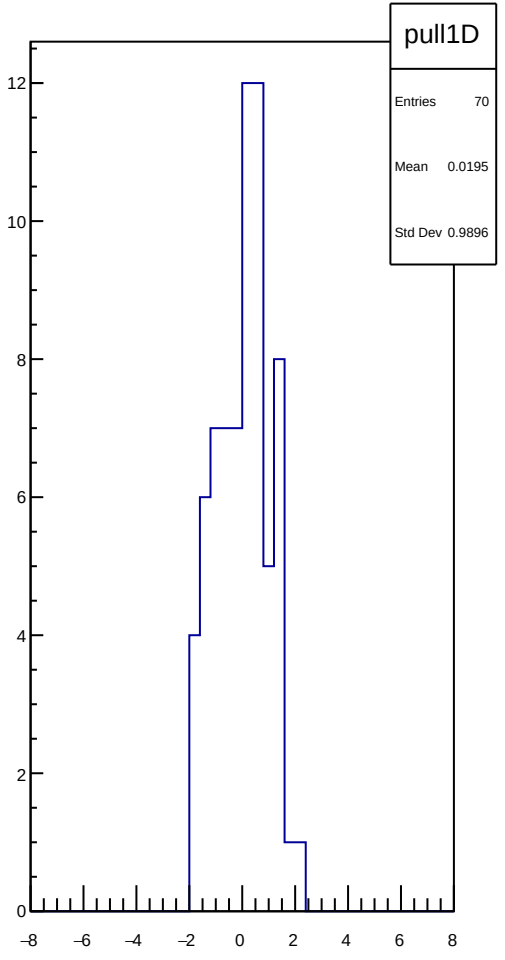

diff_bpm0r03X_rms vs run
χ² / ndf 1.151e+04 / 69
p0 8.048e+04 ± 70.38
95000
90000
85000
80000
75000
70000

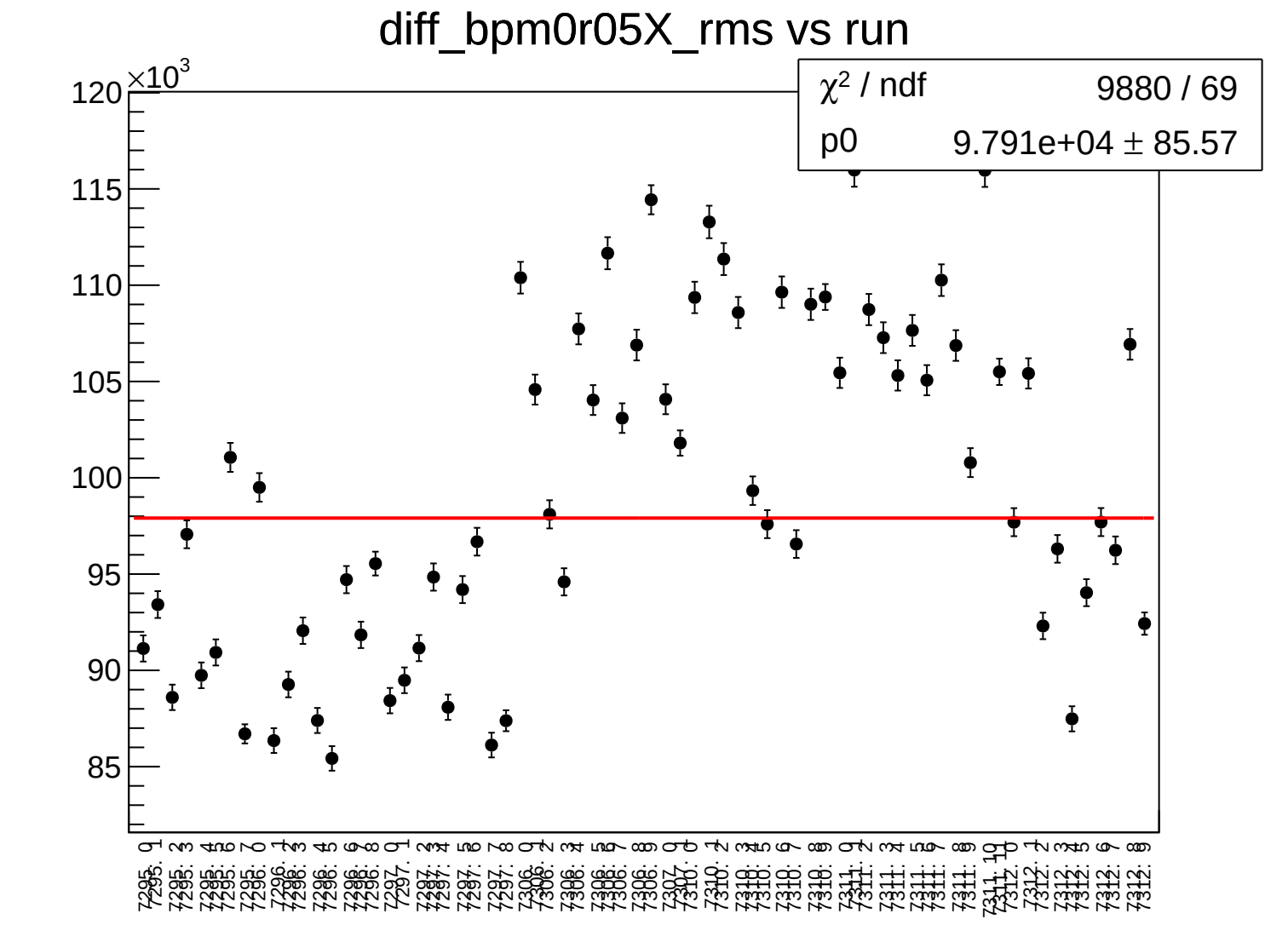

diff_bpm0r03Y_mean vs run
χ² / ndf 65.21 / 69
p0 2.353 ± 1.953
pull
Entries 70
Mean −781
Std Dev 0

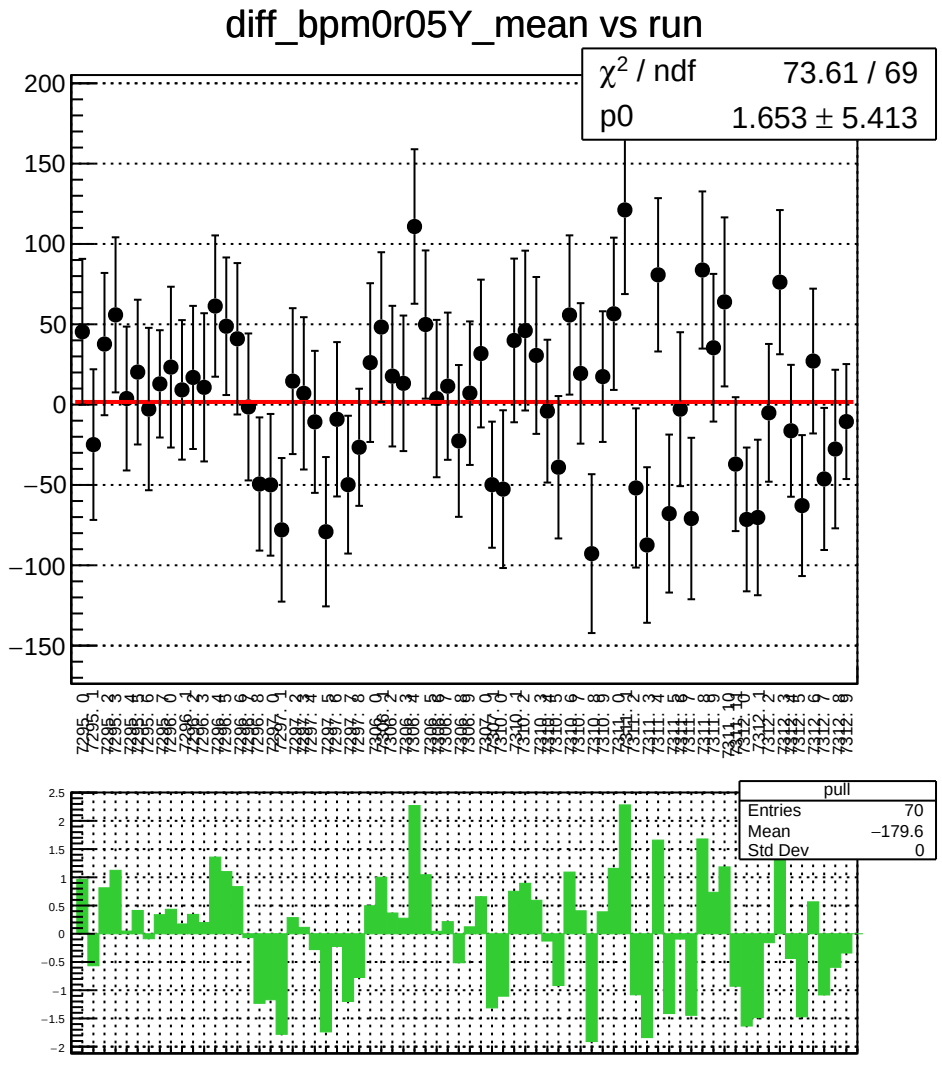

pull1D
Entries 70
Mean 0.007054
Std Dev 0.9652

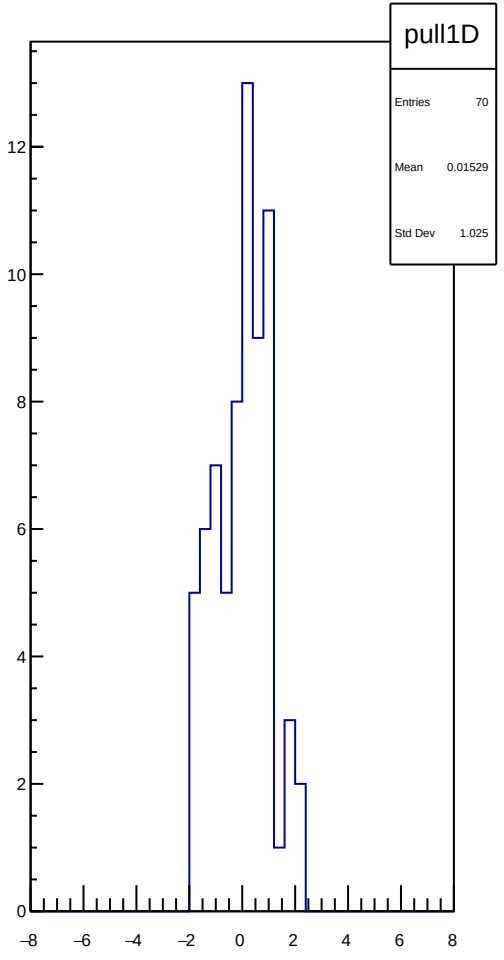

diff_bpm0r03Y_rms vs run
χ² / ndf 1810 / 69
p0 1585 ± 1.381
1750
1700
1650
1600
1550
1500
1450
1400

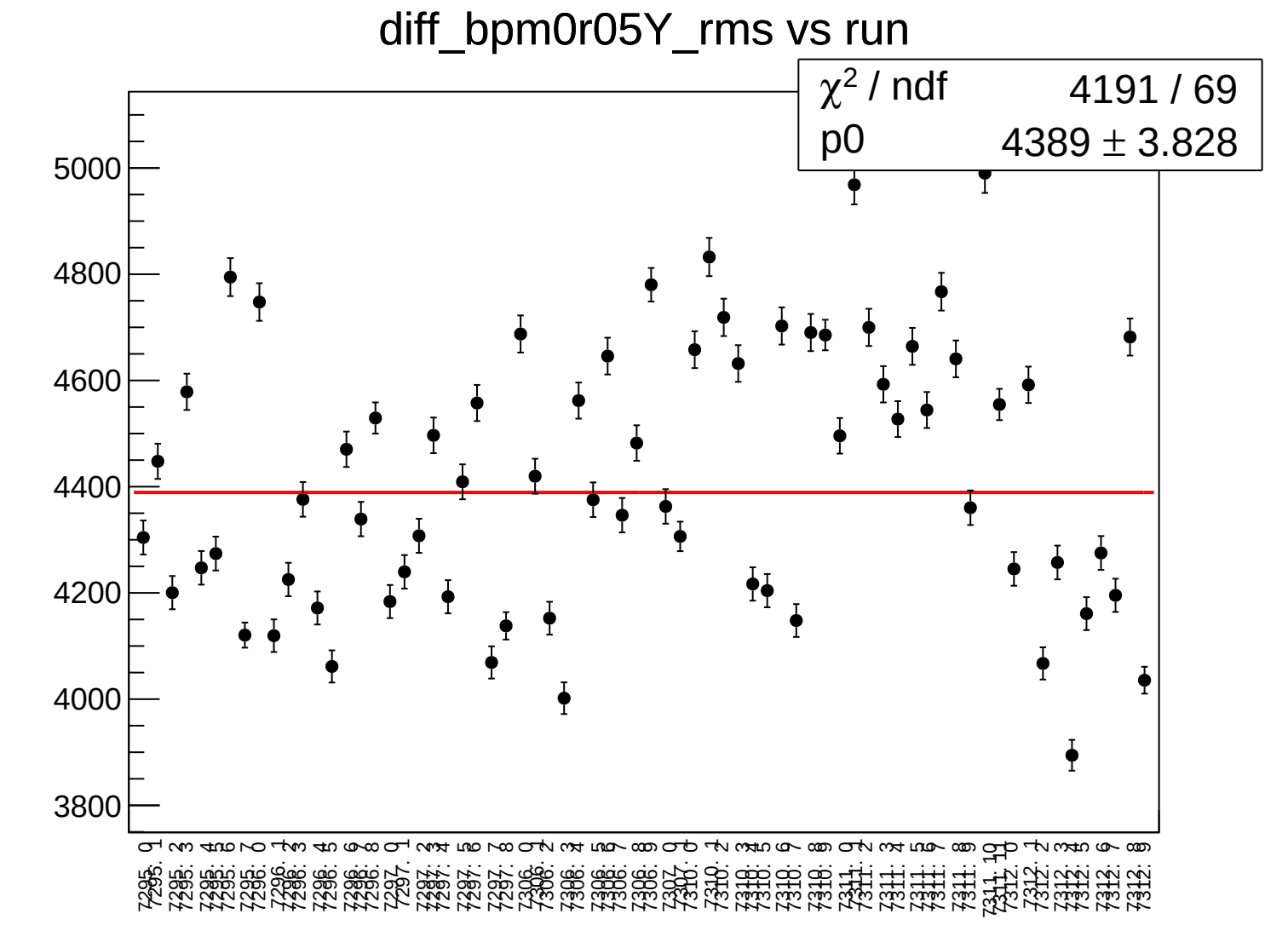

diff_bpm0r05X_mean vs run
χ² / ndf 68.58 / 69
p0 −57.03 ± 121
pull
Entries 70
Mean −127.6
Std Dev 0

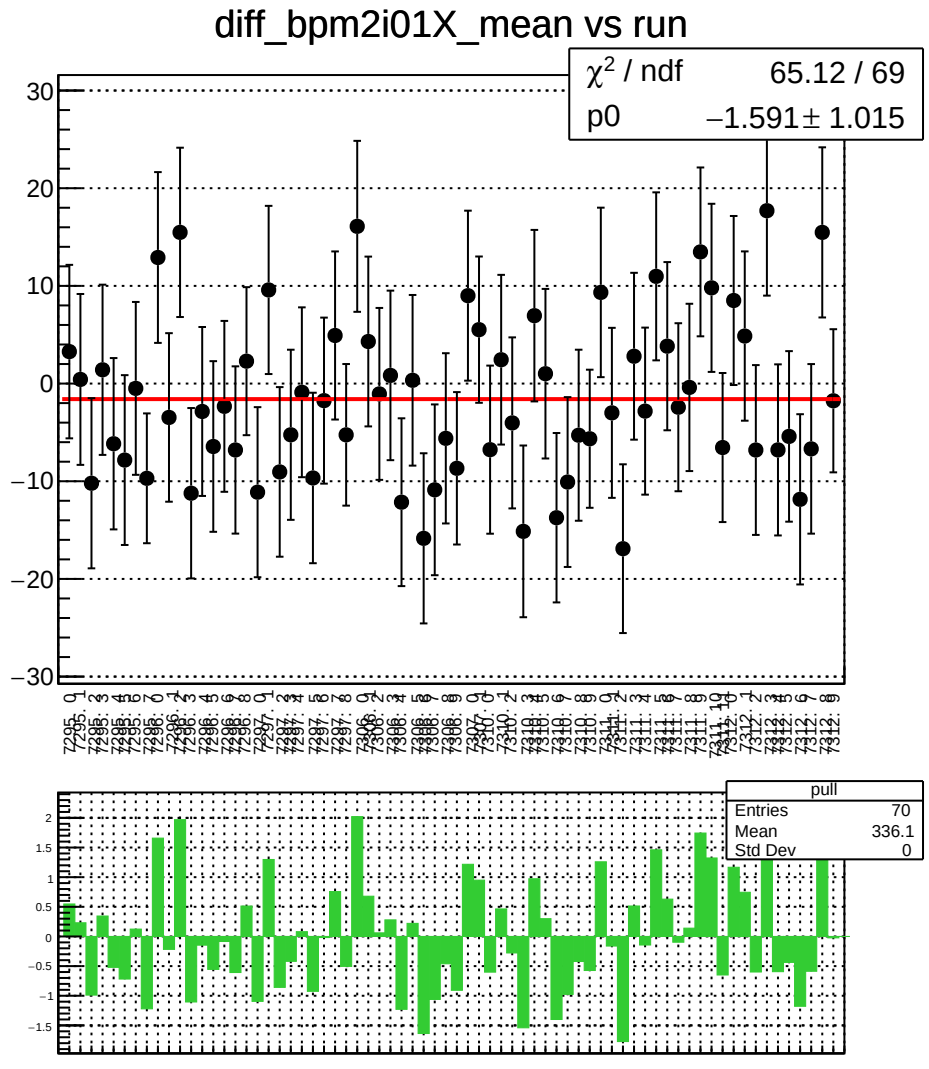

pull1D
Entries 70
Mean 0.0195
Std Dev 0.9896

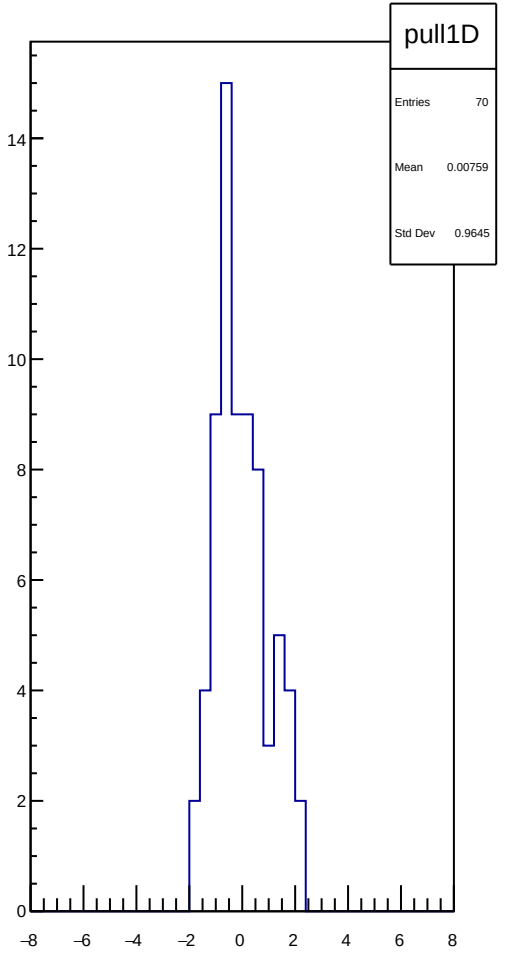

diff_bpm0r05X_rms vs run
χ^2 / ndf 9880 / 69
p0 9.791e+04 ± 85.57
×10^3
120
115
110
105
100
95
90
85

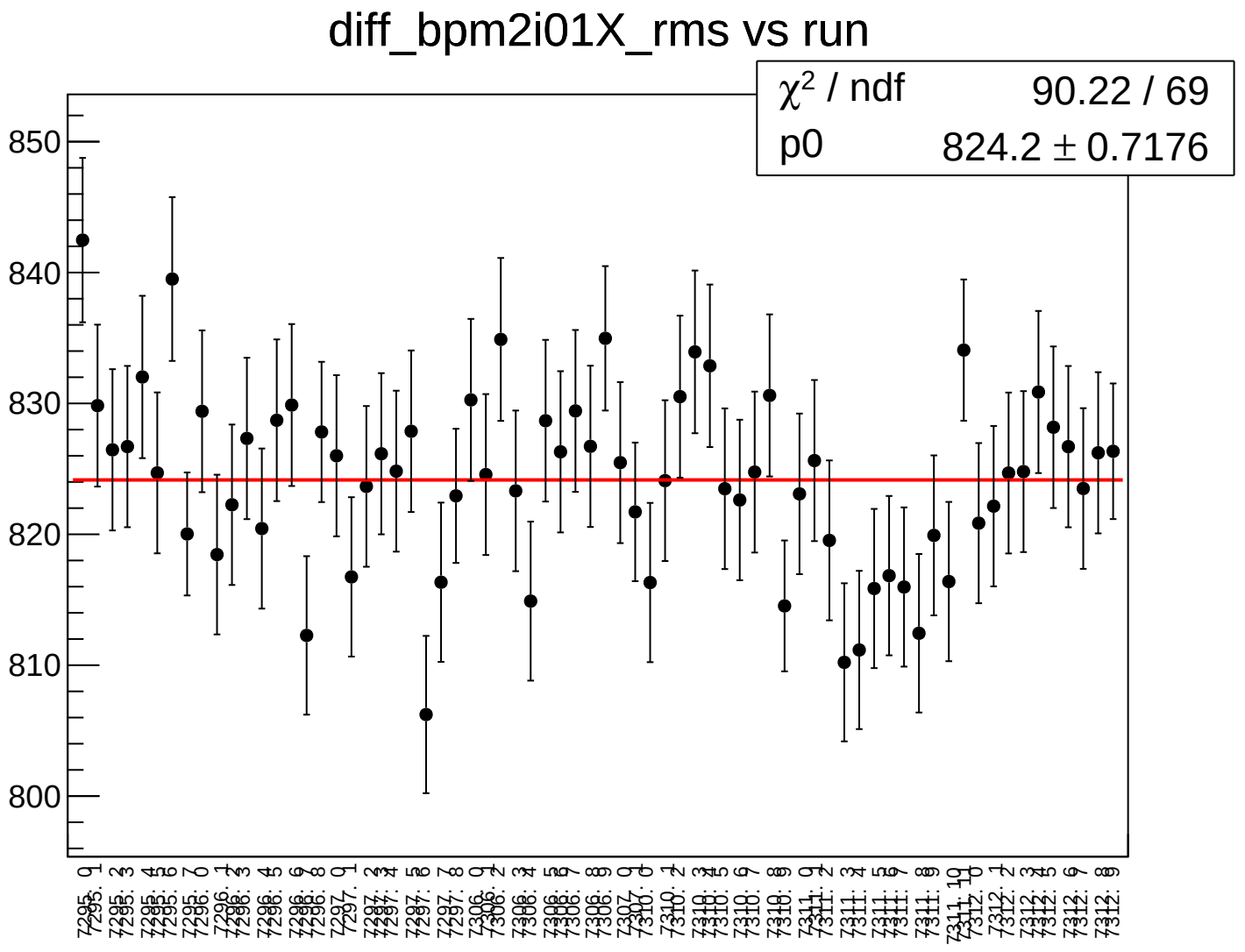

diff_bpm0r05Y_mean vs run
χ^2 / ndf 73.61 / 69
p0 1.653 ± 5.413
pull
Entries 70
Mean −179.6
Std Dev 0

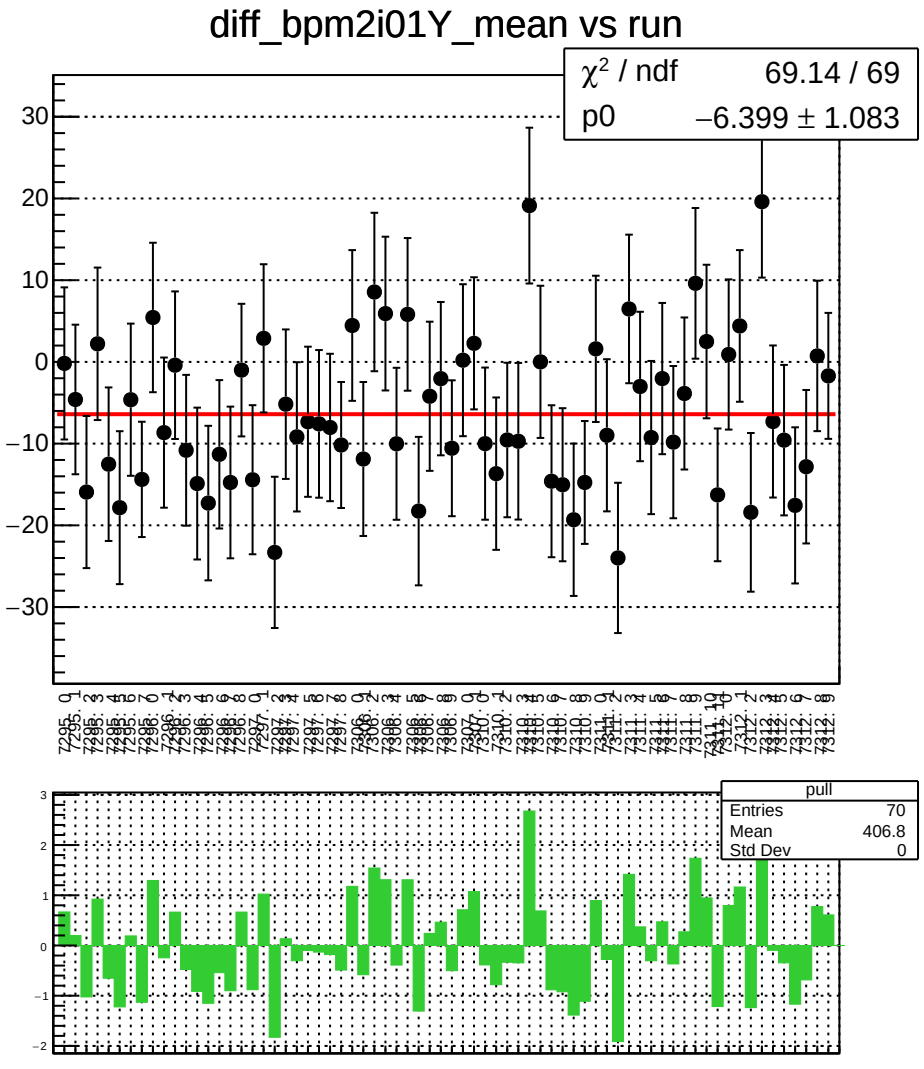

pull1D
Entries 70
Mean 0.01529
Std Dev 1.025

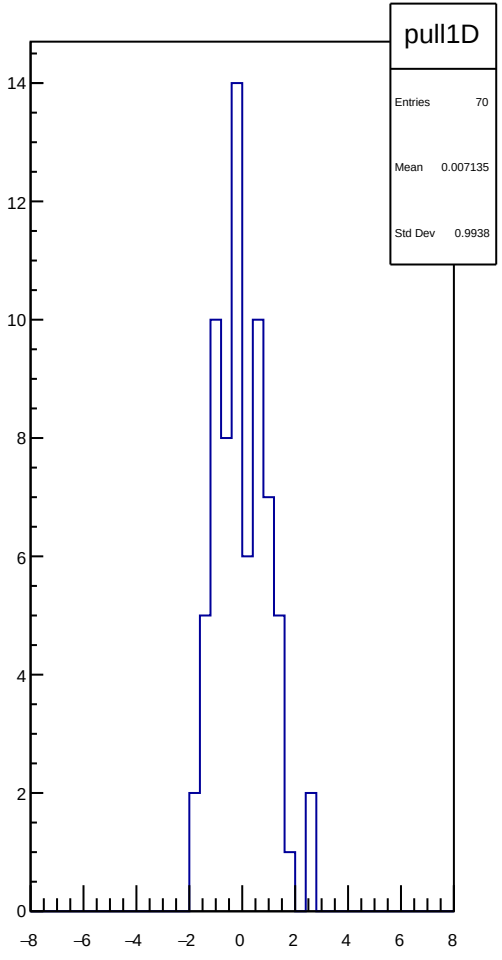

diff_bpm0r05Y_rms vs run
χ² / ndf 4191 / 69
p0 4389 ± 3.828
5000
4800
4600
4400
4200
4000
3800

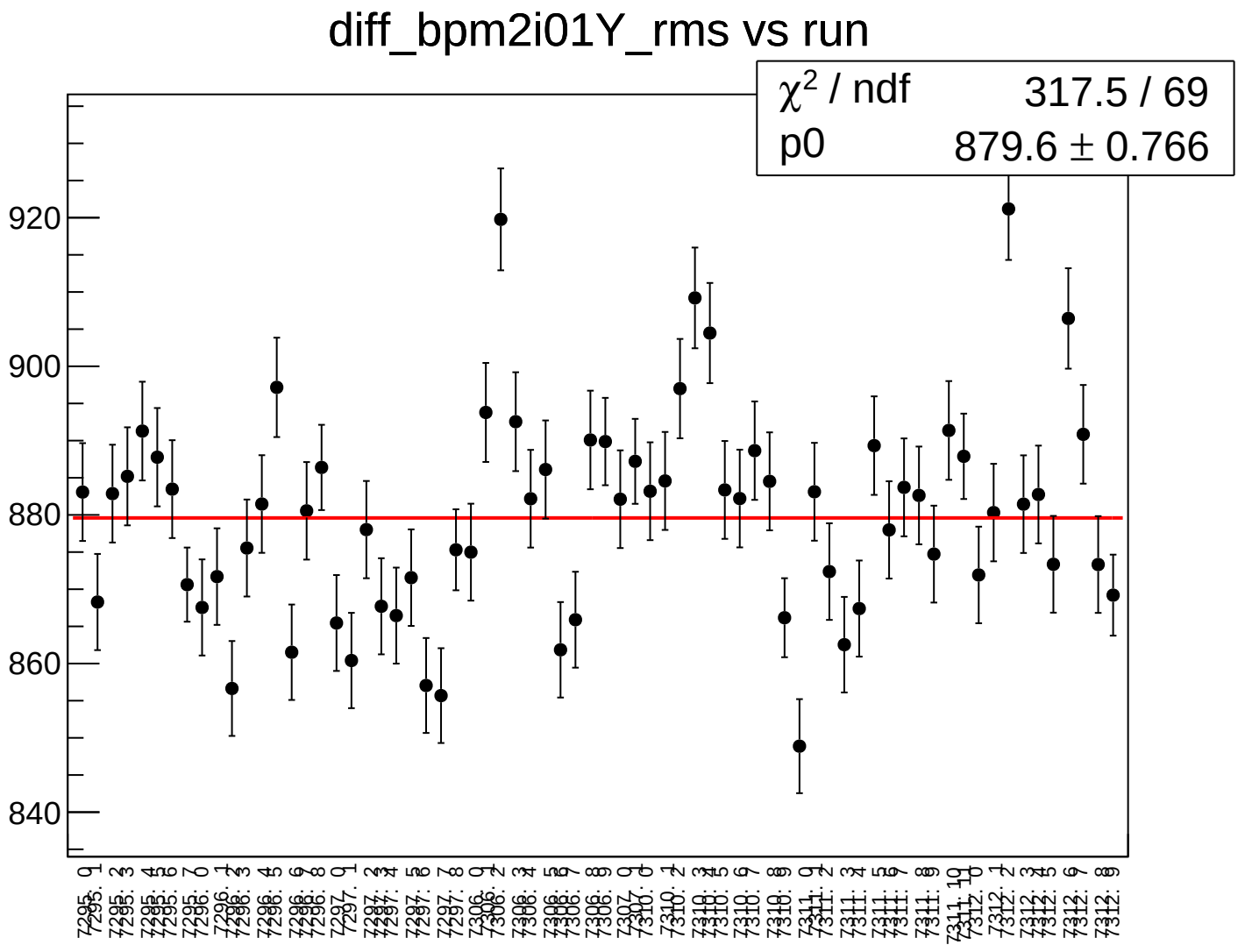

diff_bpm2i01X_mean vs run
χ^2 / ndf 65.12 / 69
p0 −1.591± 1.015
pull
Entries 70
Mean 336.1
Std Dev 0

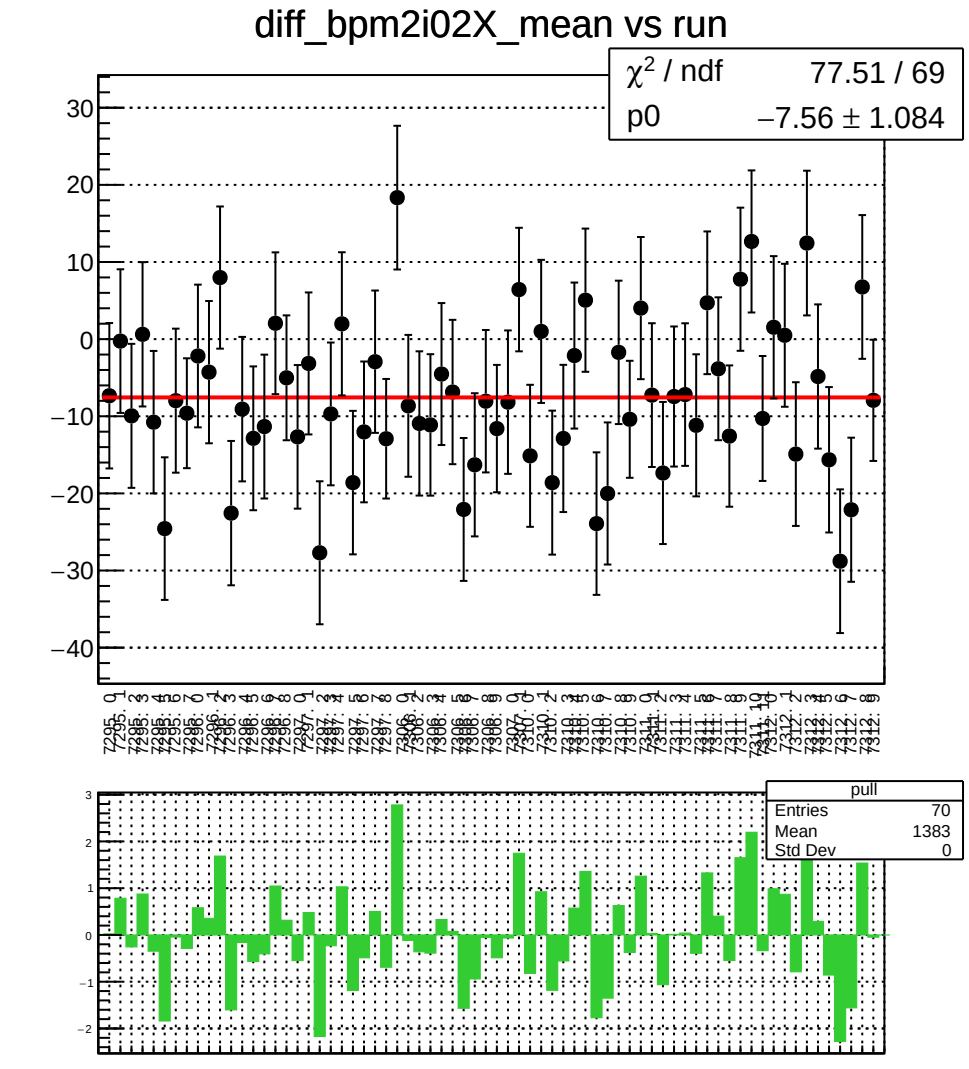

pull1D
Entries 70
Mean 0.00759
Std Dev 0.9645

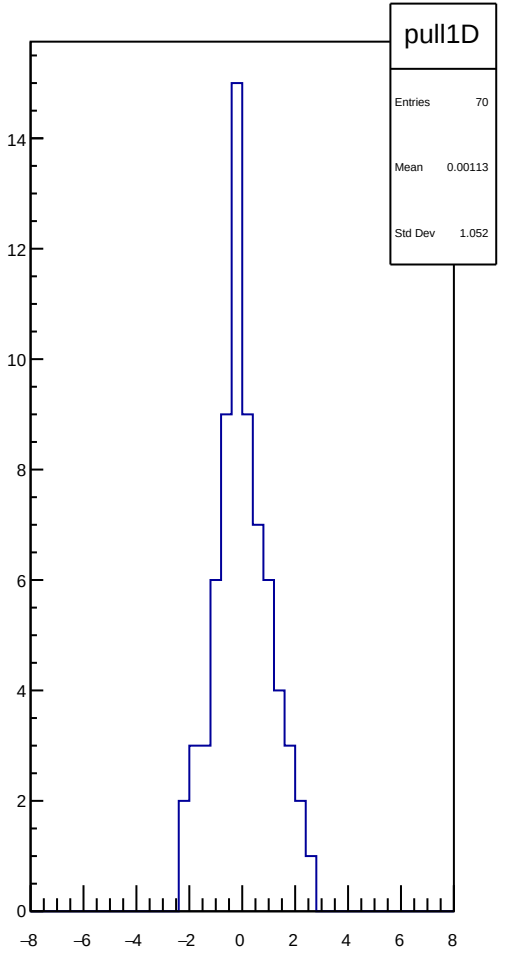

diff_bpm2i01X_rms vs run
χ² / ndf 90.22 / 69
p0 824.2 ± 0.7176
850
840
830
820
810
800

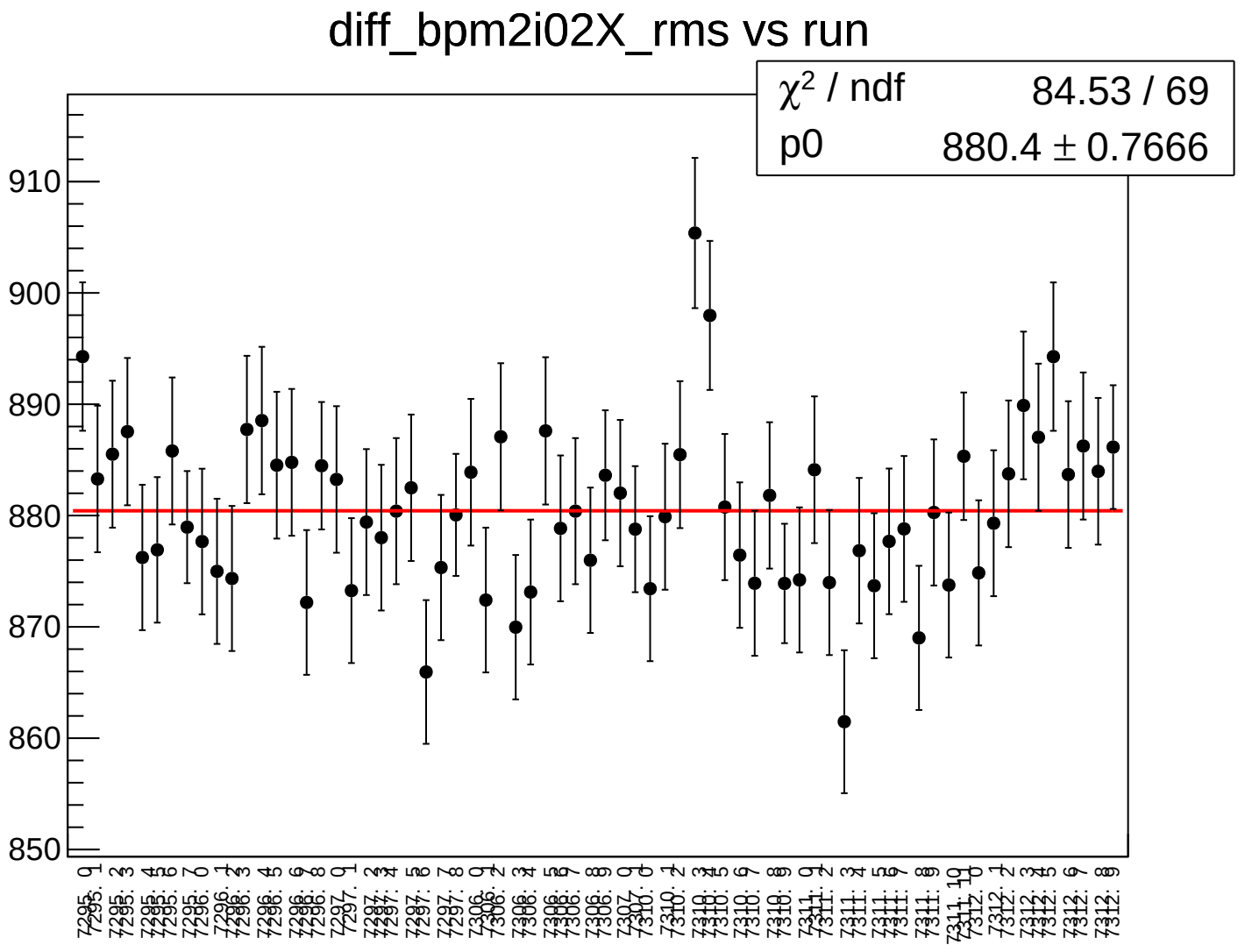

diff_bpm2i01Y_mean vs run
χ^2 / ndf 69.14 / 69
p0 −6.399 ± 1.083
pull
Entries 70
Mean 406.8
Std Dev 0

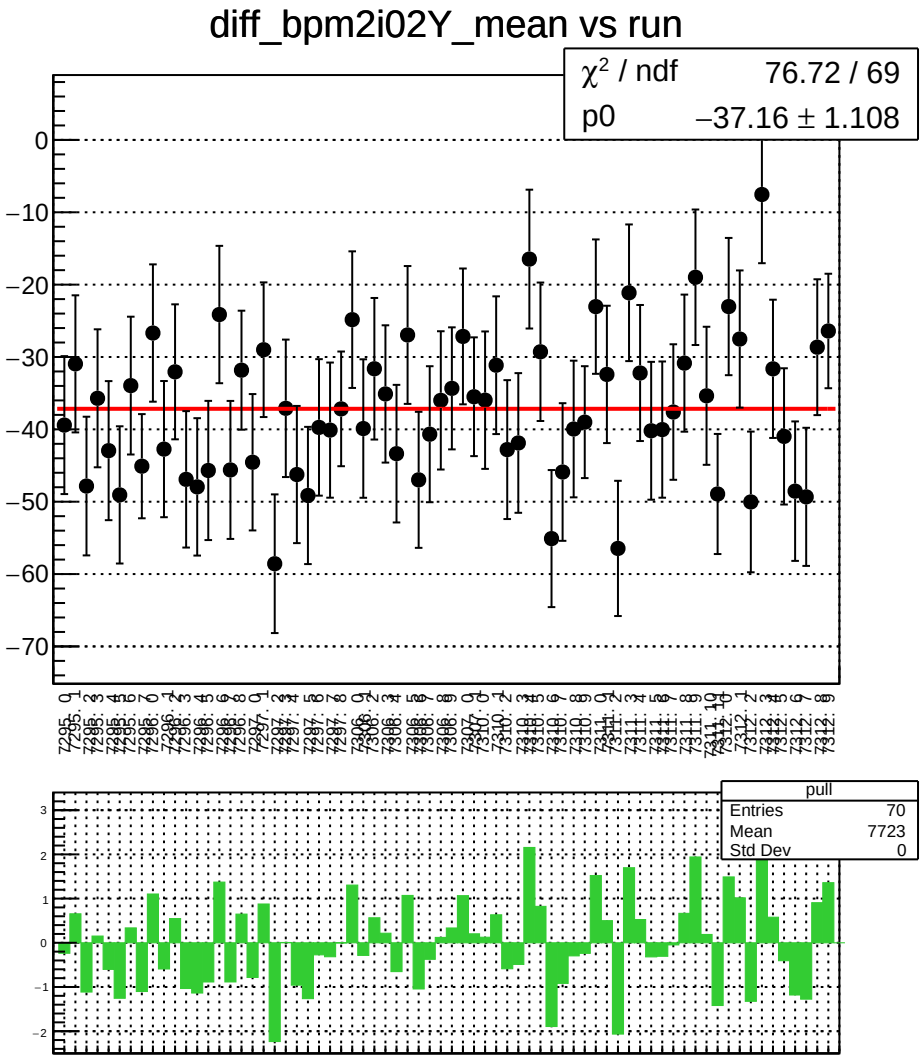

pull1D
Entries 70
Mean 0.007135
Std Dev 0.9938

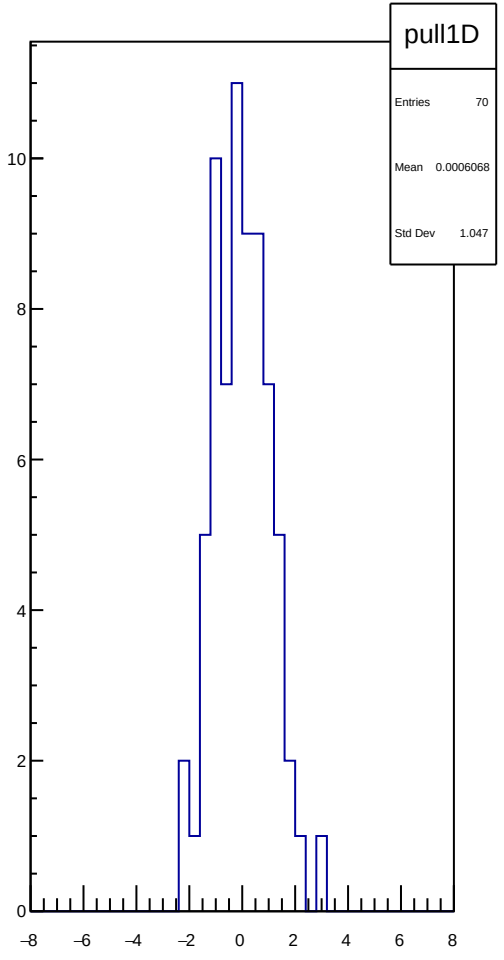

diff_bpm2i01Y_rms vs run
χ² / ndf 317.5 / 69
p0 879.6 ± 0.766
920
900
880
860
840

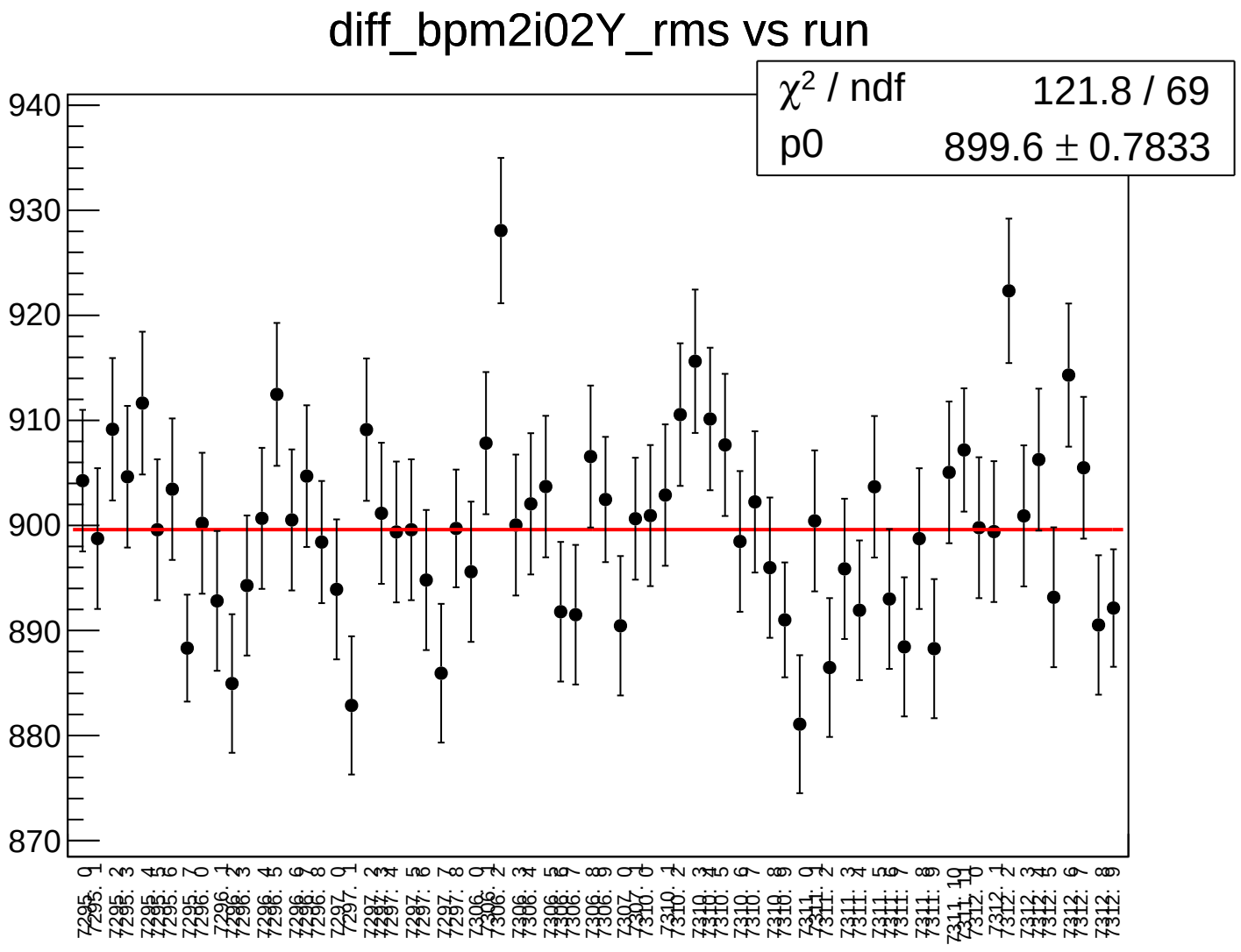

diff_bpm2i02X_mean vs run
χ² / ndf 77.51 / 69
p0 −7.56 ± 1.084
pull
Entries 70
Mean 1383
Std Dev 0

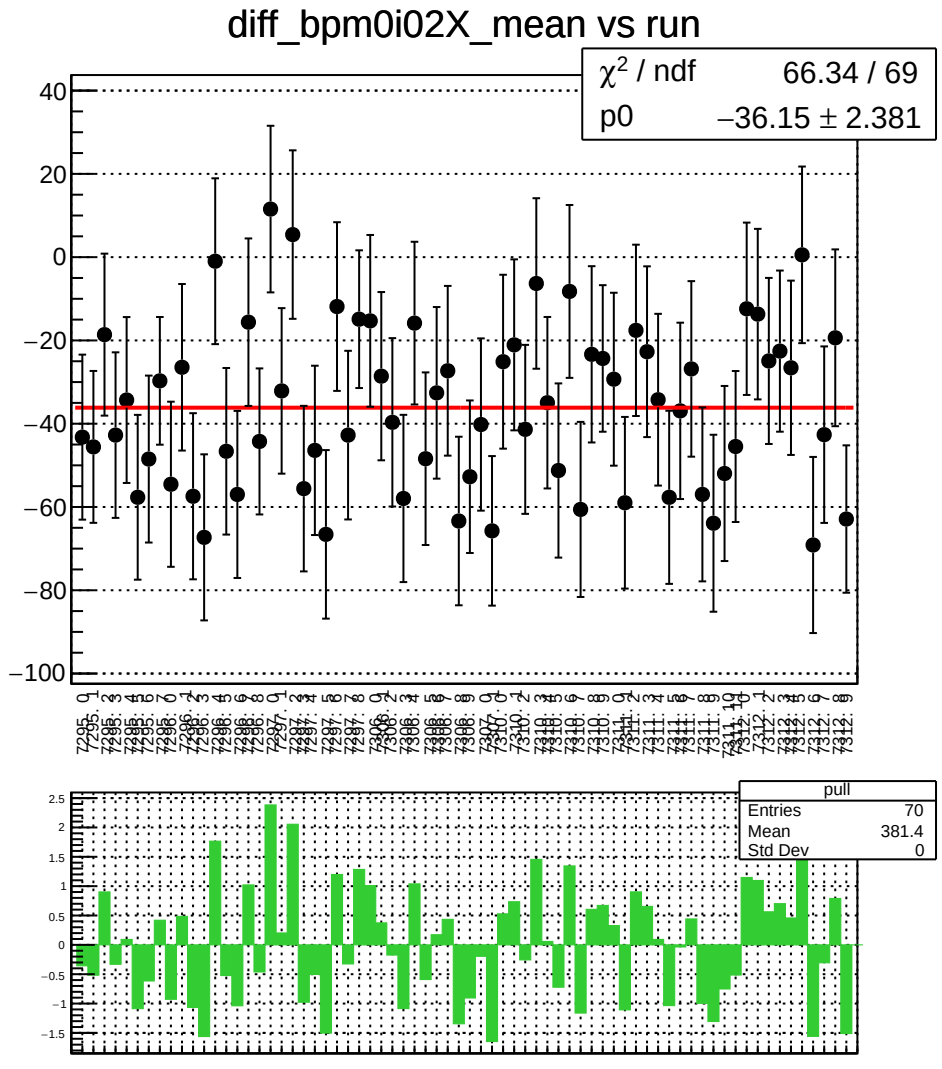

pull1D
Entries 70
Mean 0.00113
Std Dev 1.052

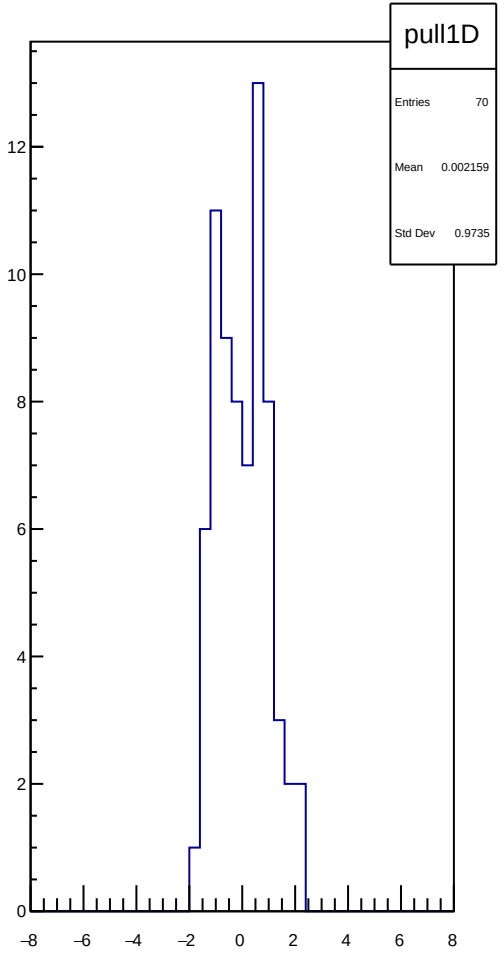

diff_bpm2i02X_rms vs run
χ² / ndf 84.53 / 69
p0 880.4 ± 0.7666
910
900
890
880
870
860
850

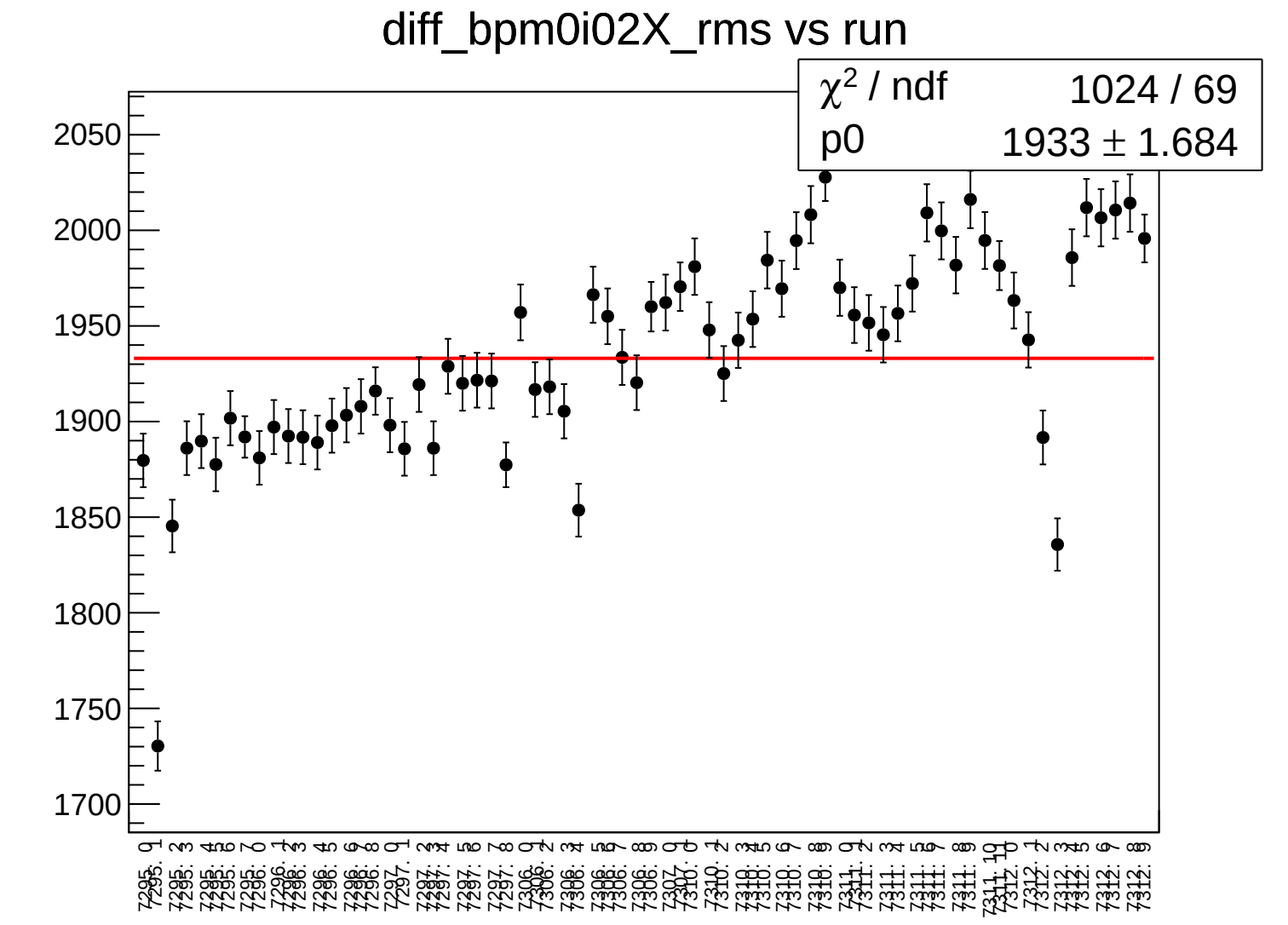

diff_bpm2i02Y_mean vs run
χ² / ndf 76.72 / 69
p0 −37.16 ± 1.108
pull
Entries 70
Mean 7723
Std Dev 0

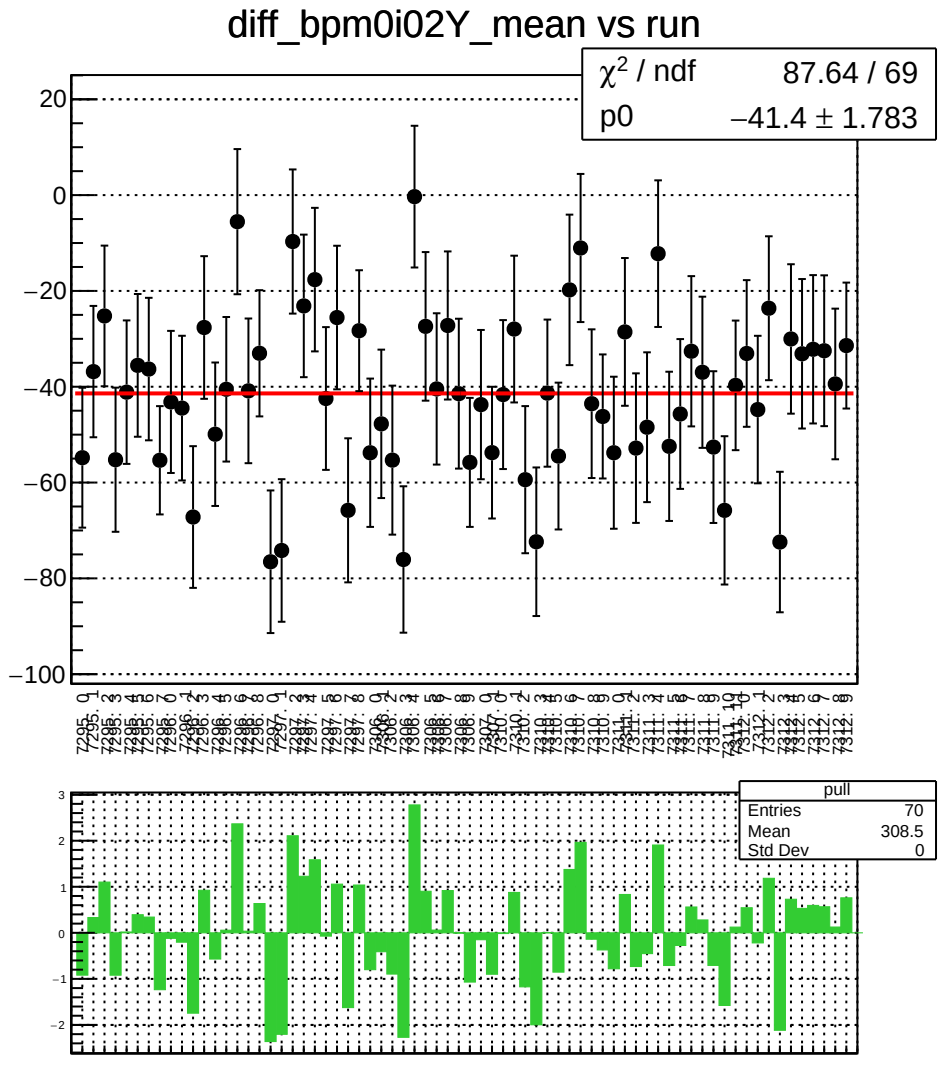

pull1D
Entries 70
Mean 0.0006068
Std Dev 1.047

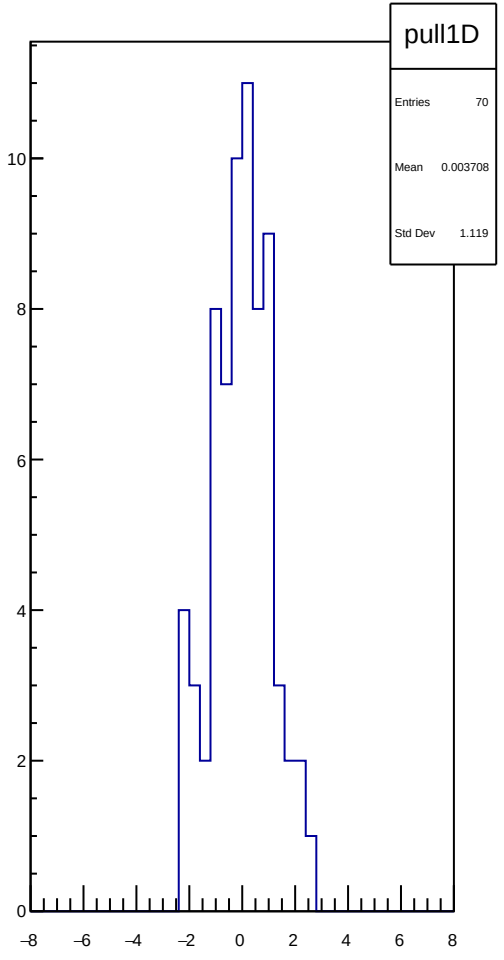

diff_bpm2i02Y_rms vs run
χ² / ndf 121.8 / 69
p0 899.6 ± 0.7833
940
930
920
910
900
890
880
870

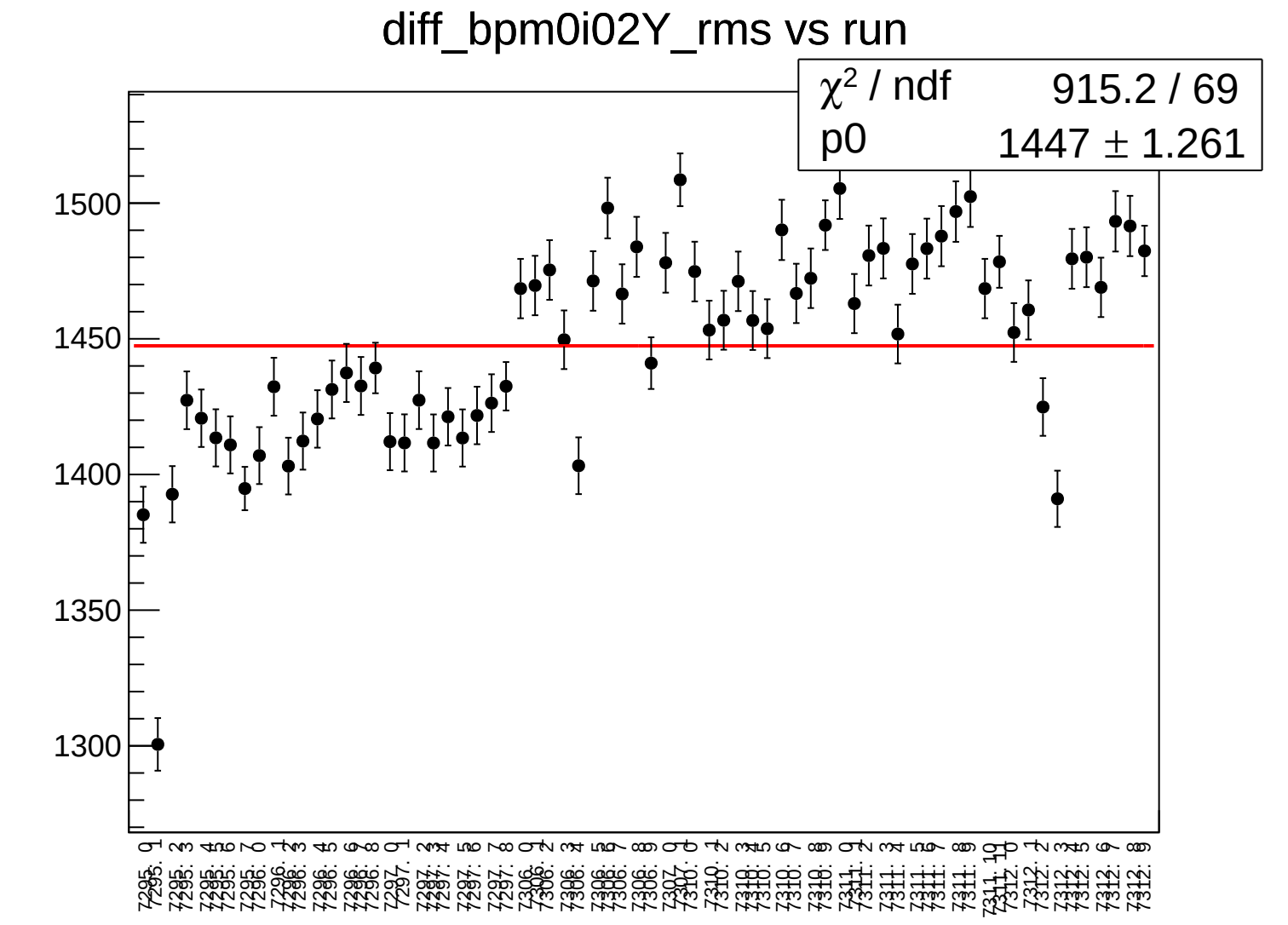

diff_bpm0i02X_mean vs run
χ^2 / ndf 66.34 / 69
p0 −36.15 ± 2.381
pull
Entries 70
Mean 381.4
Std Dev 0

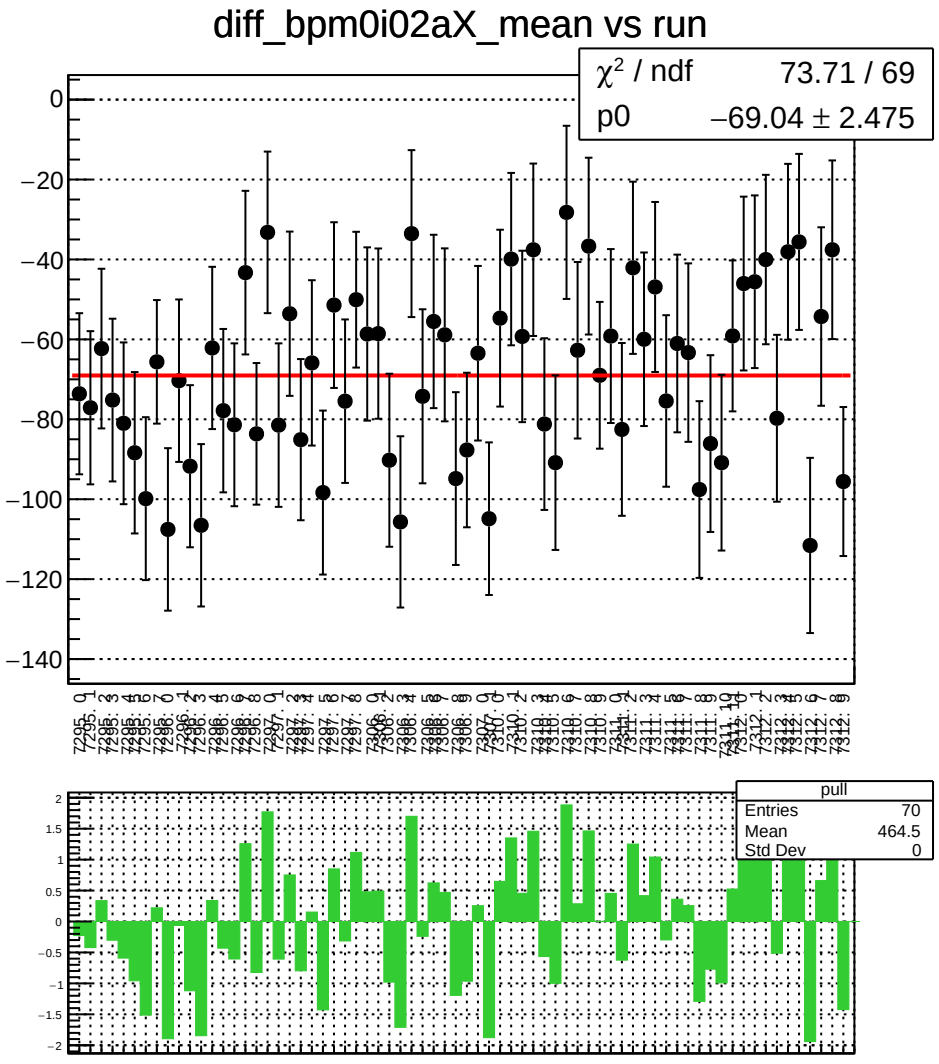

pull1D
Entries 70
Mean 0.002159
Std Dev 0.9735

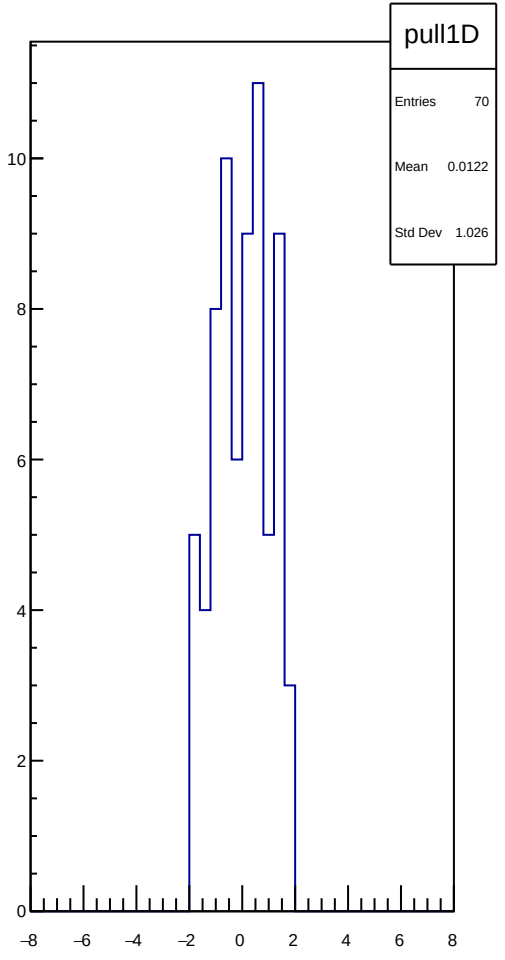

diff_bpm0i02X_rms vs run
χ^2 / ndf 1024 / 69
p0 1933 ± 1.684
2050
2000
1950
1900
1850
1800
1750
1700

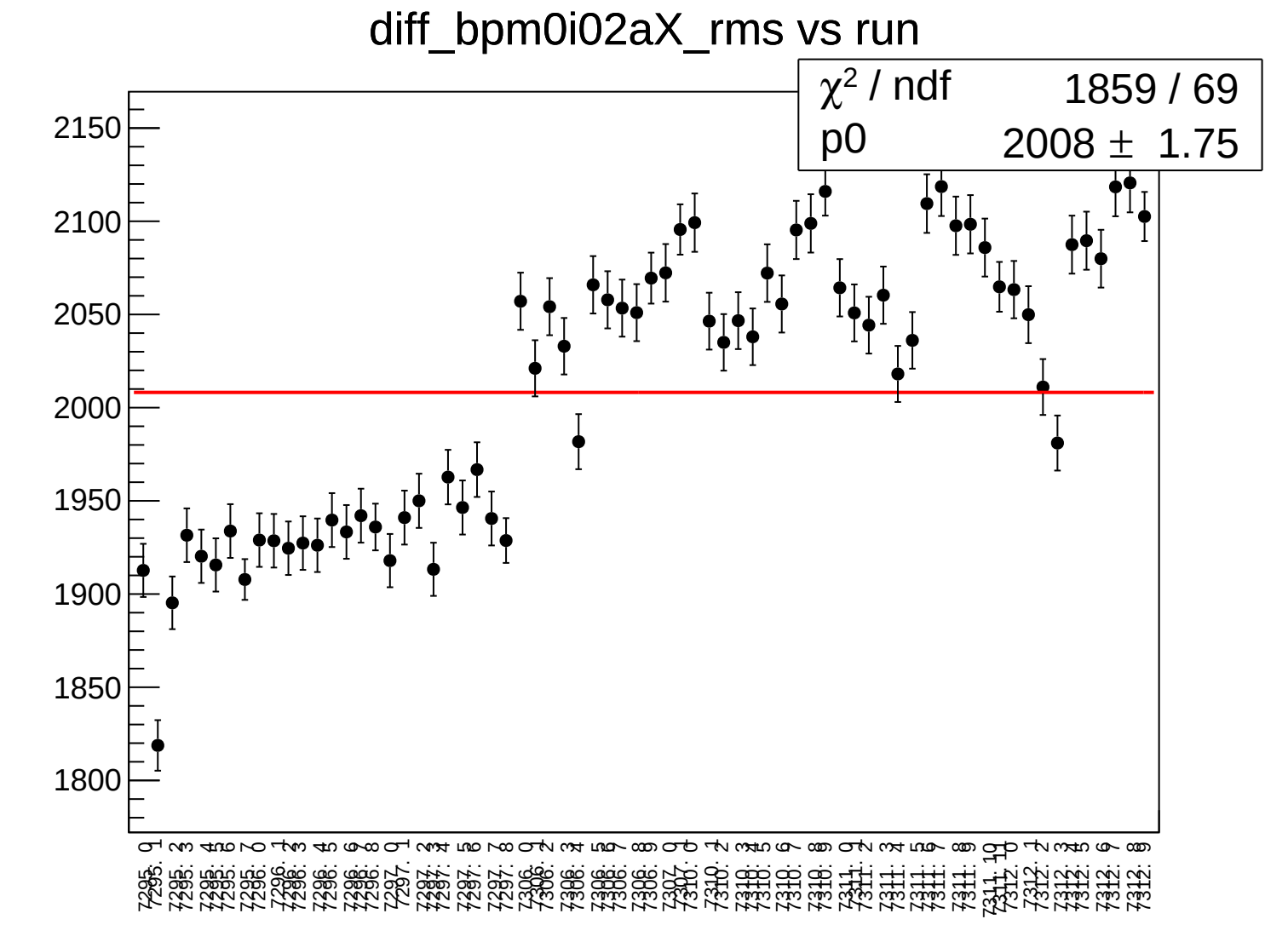

diff_bpm0i02Y_mean vs run
χ² / ndf 87.64 / 69
p0 −41.4 ± 1.783
pull
Entries 70
Mean 308.5
Std Dev 0

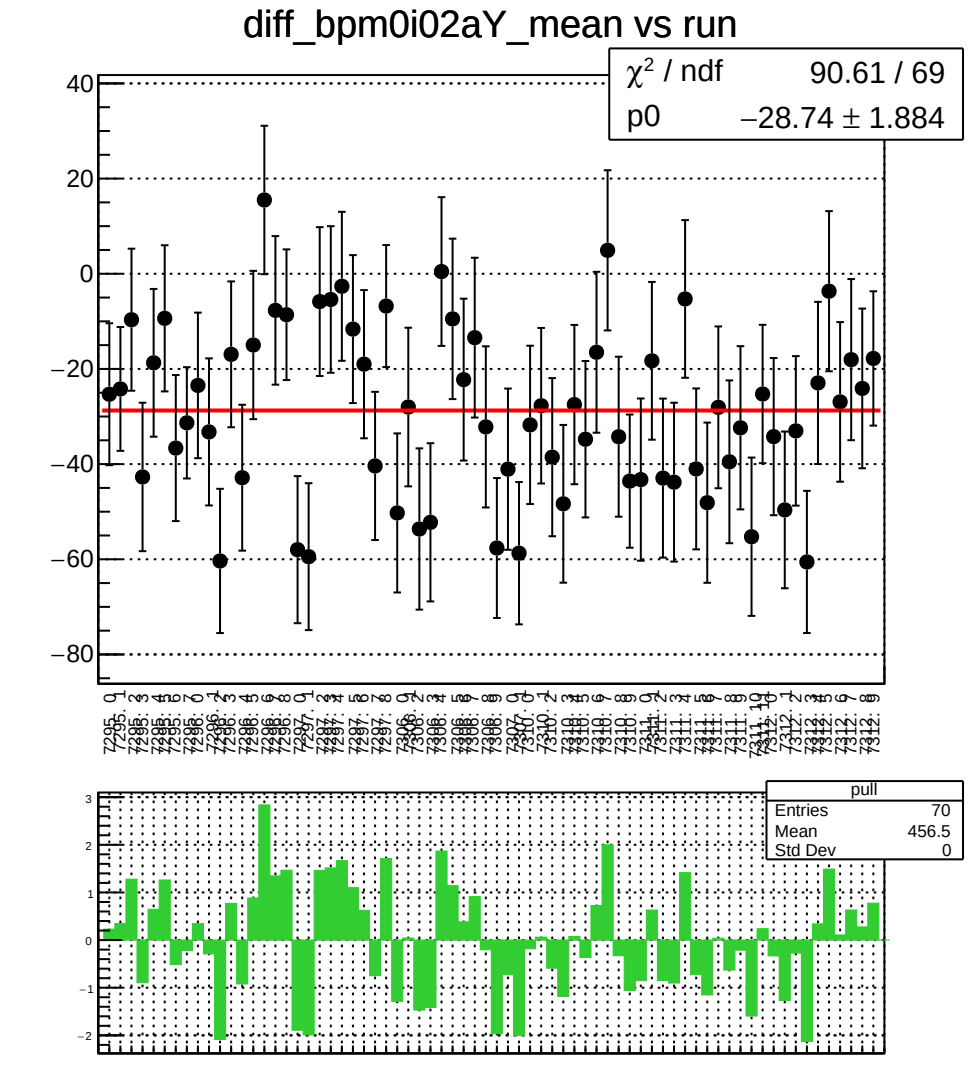

pull1D
Entries 70
Mean 0.003708
Std Dev 1.119

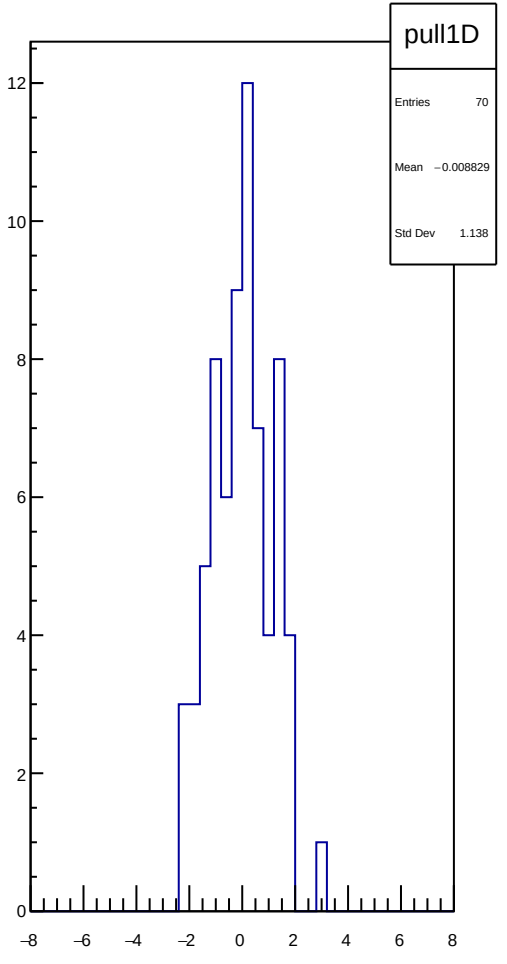

diff_bpm0i02Y_rms vs run
χ² / ndf 915.2 / 69
p0 1447 ± 1.261
1500
1450
1400
1350
1300

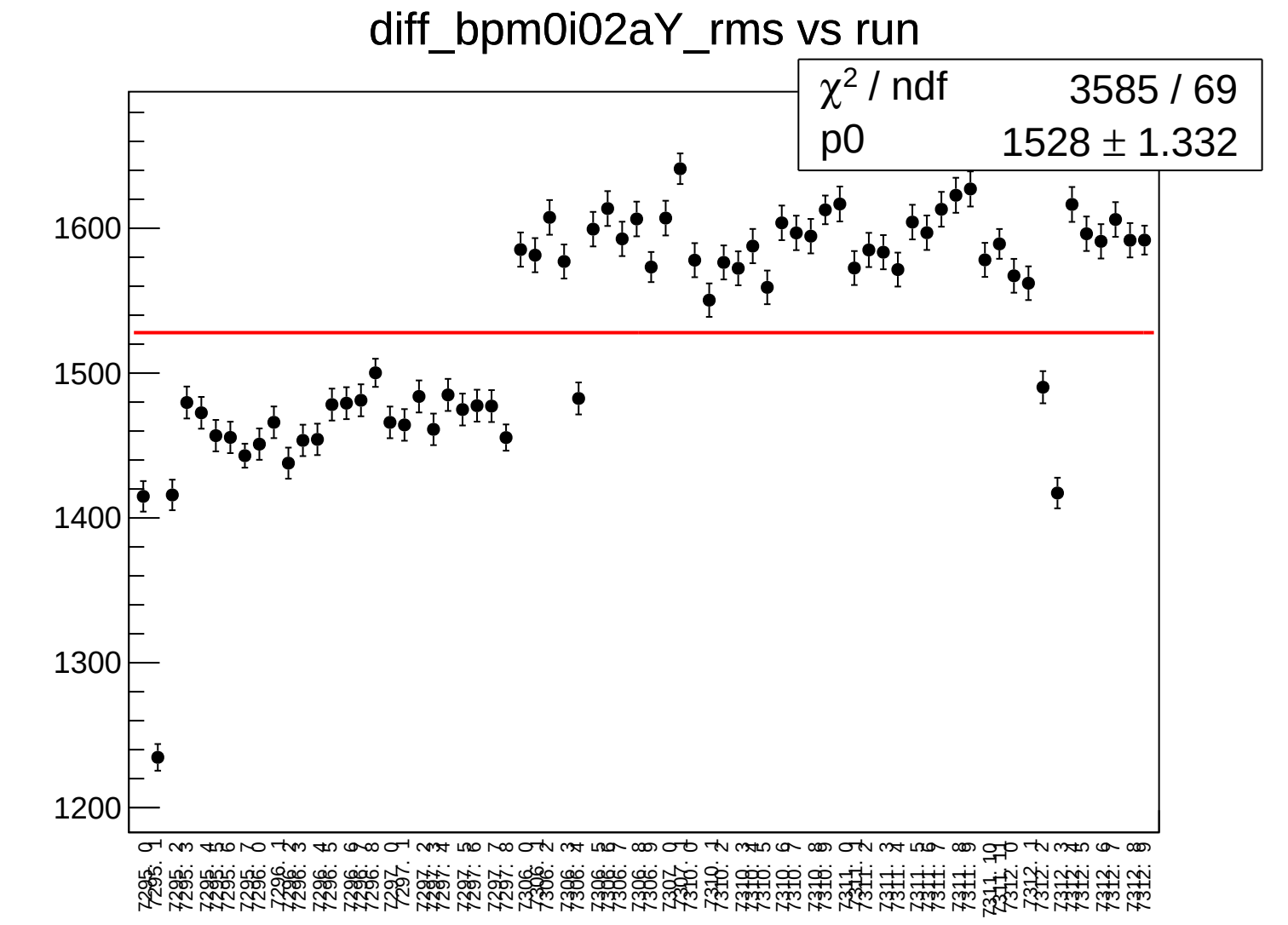

diff_bpm0i02aX_mean vs run
χ² / ndf 73.71 / 69
p0 −69.04 ± 2.475
pull
Entries 70
Mean 464.5
Std Dev 0

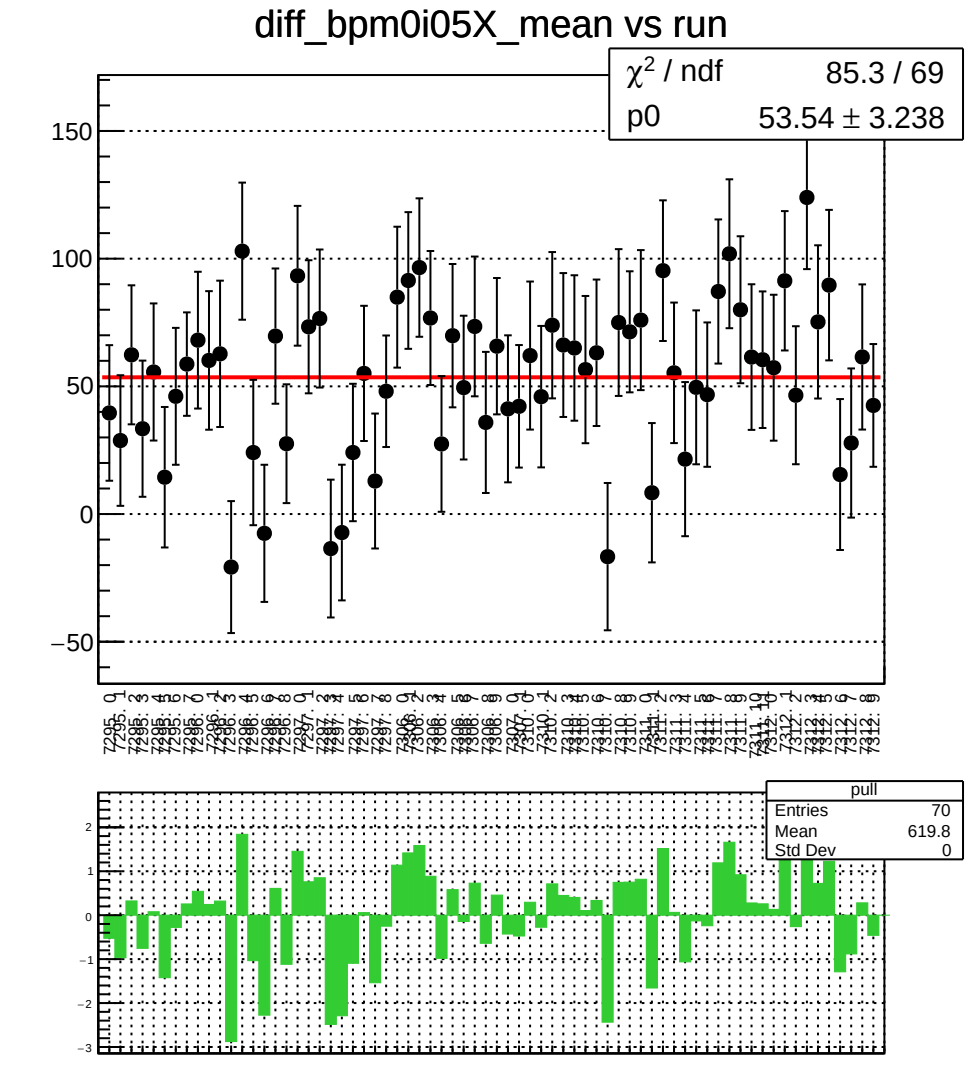

pull1D
Entries 70
Mean 0.0122
Std Dev 1.026

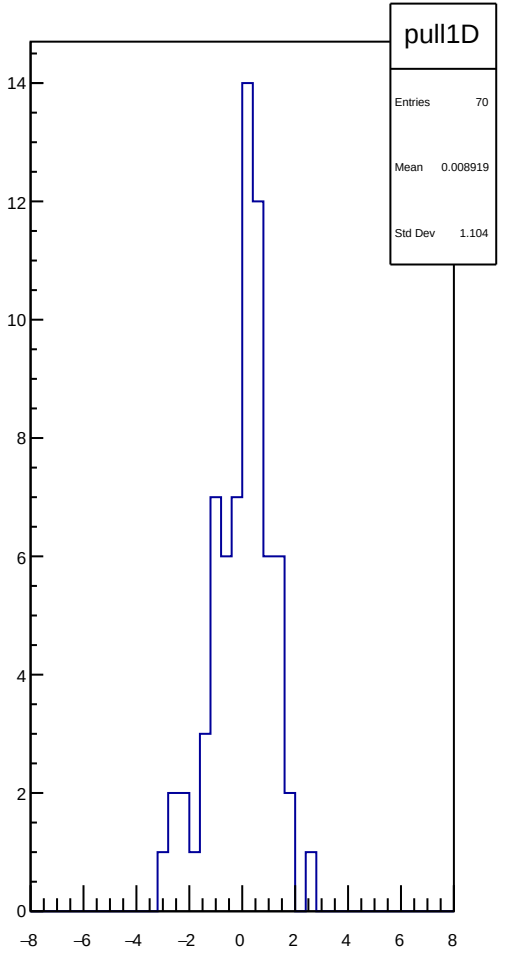

diff_bpm0i02aX_rms vs run
χ² / ndf 1859 / 69
p0 2008 ± 1.75
2150
2100
2050
2000
1950
1900
1850
1800

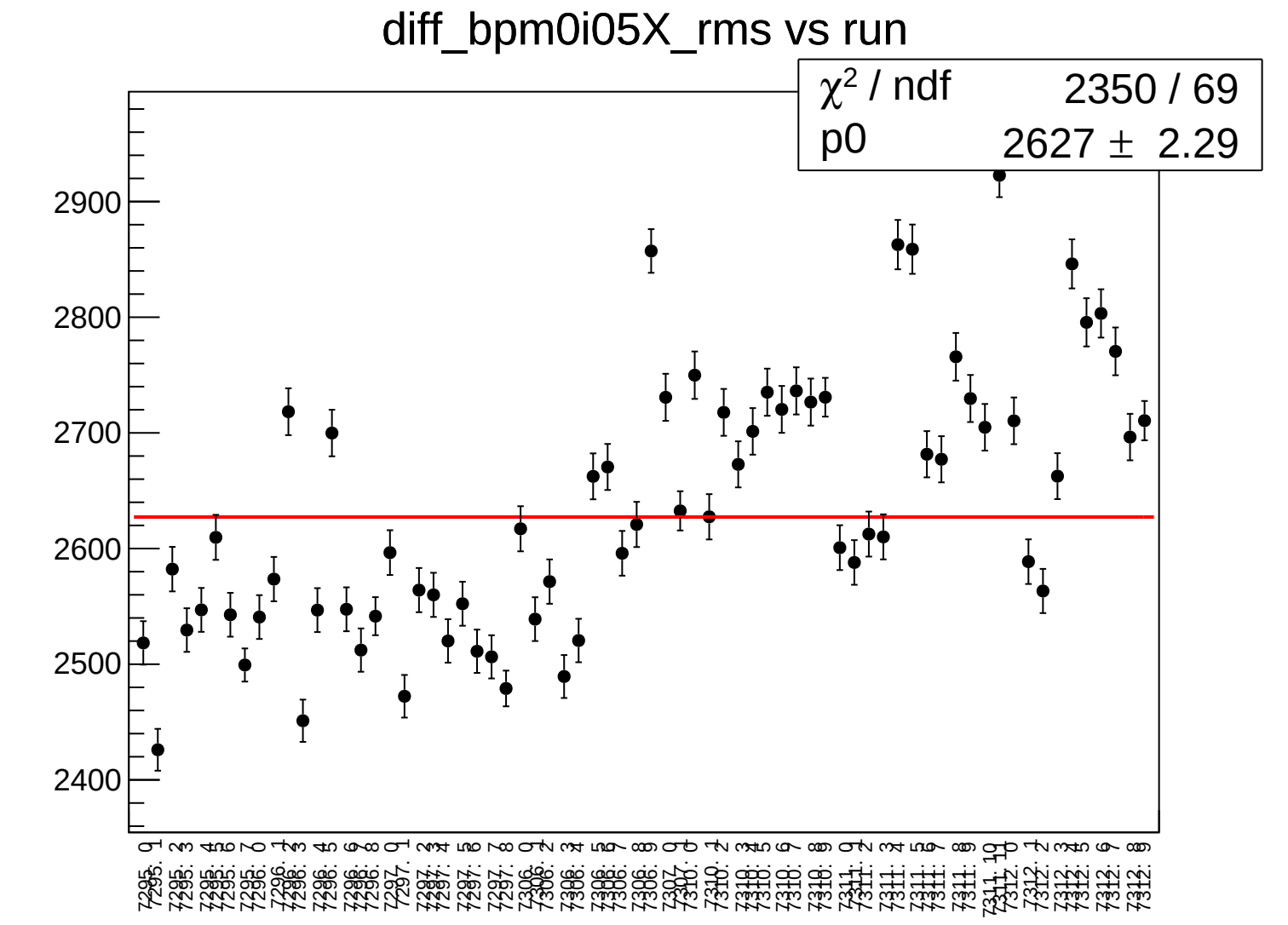

diff_bpm0i02aY_mean vs run
χ² / ndf 90.61 / 69
p0 −28.74 ± 1.884
pull
Entries 70
Mean 456.5
Std Dev 0

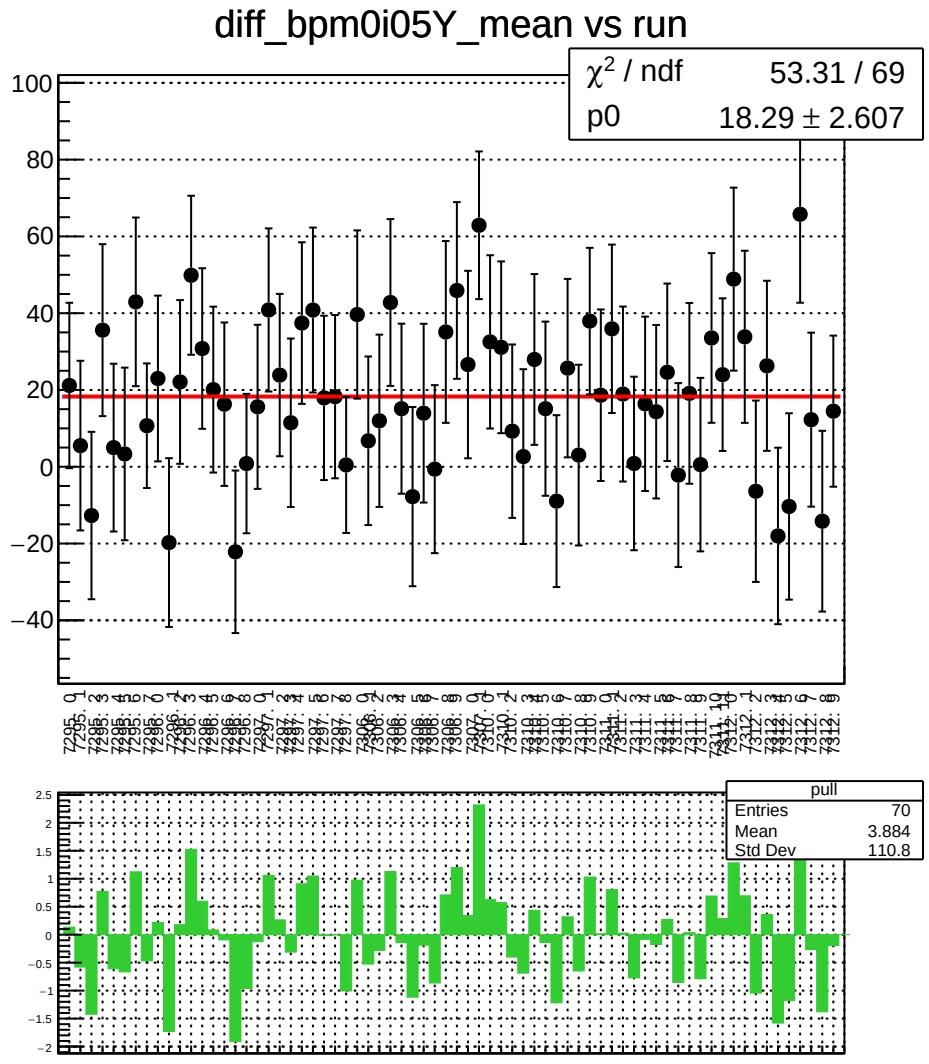

pull1D
Entries 70
Mean −0.008829
Std Dev 1.138

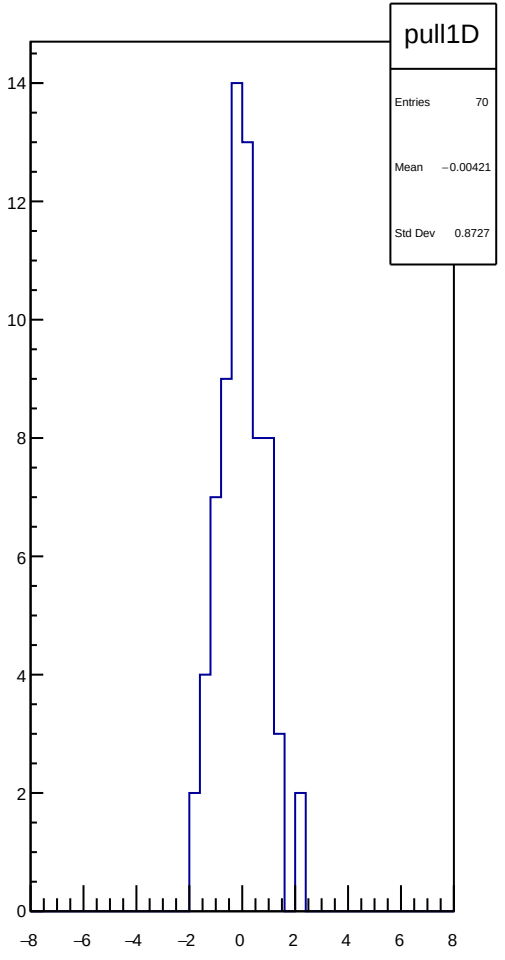

diff_bpm0i02aY_rms vs run
χ² / ndf 3585 / 69
p0 1528 ± 1.332
1600
1500
1400
1300
1200

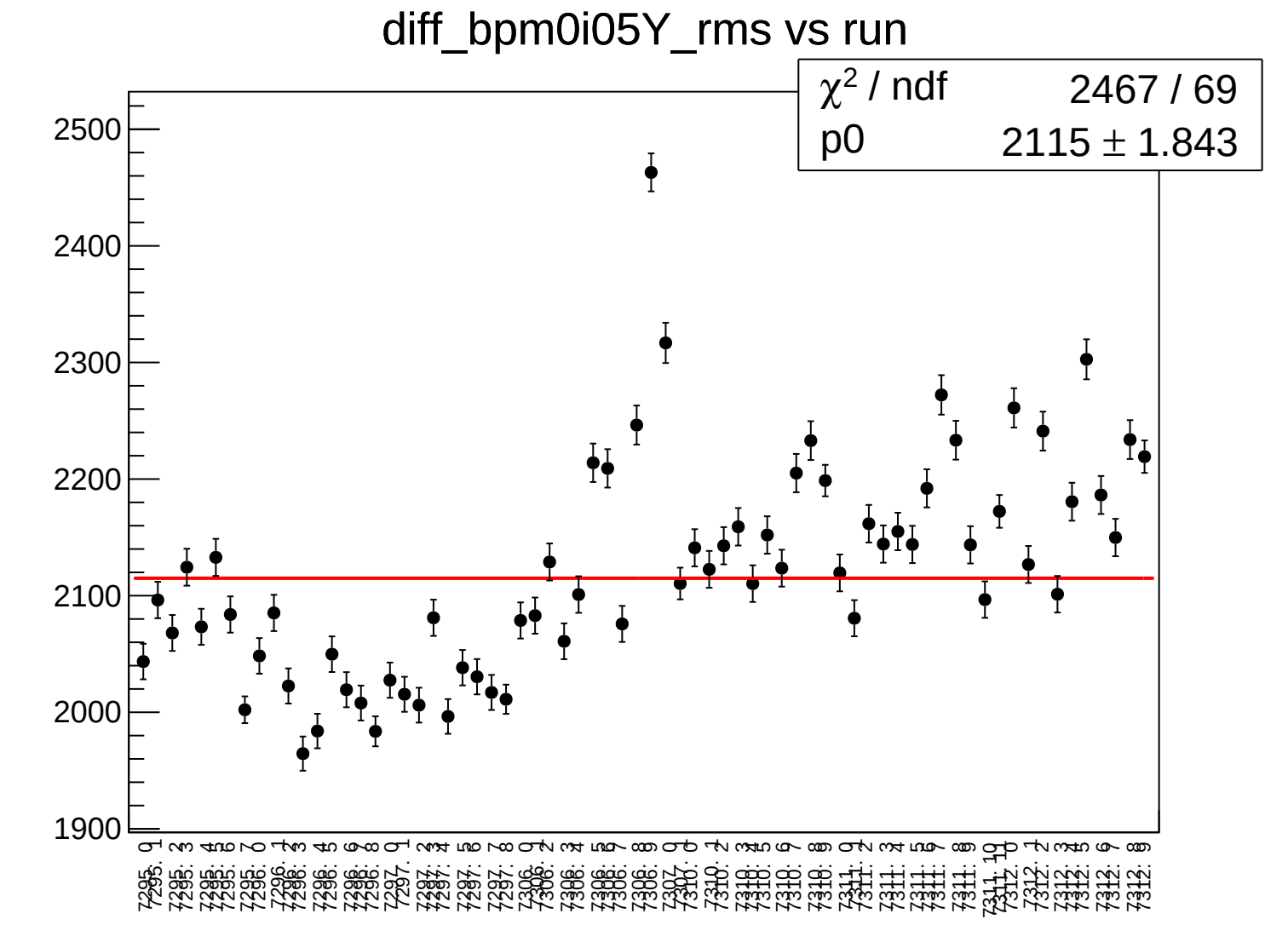

diff_bpm0i05X_mean vs run
χ² / ndf 85.3 / 69
p0 53.54 ± 3.238
150
100
50
0
−50
pull
Entries 70
Mean 619.8
Std Dev 0
2
1
0
−1
−2
−3

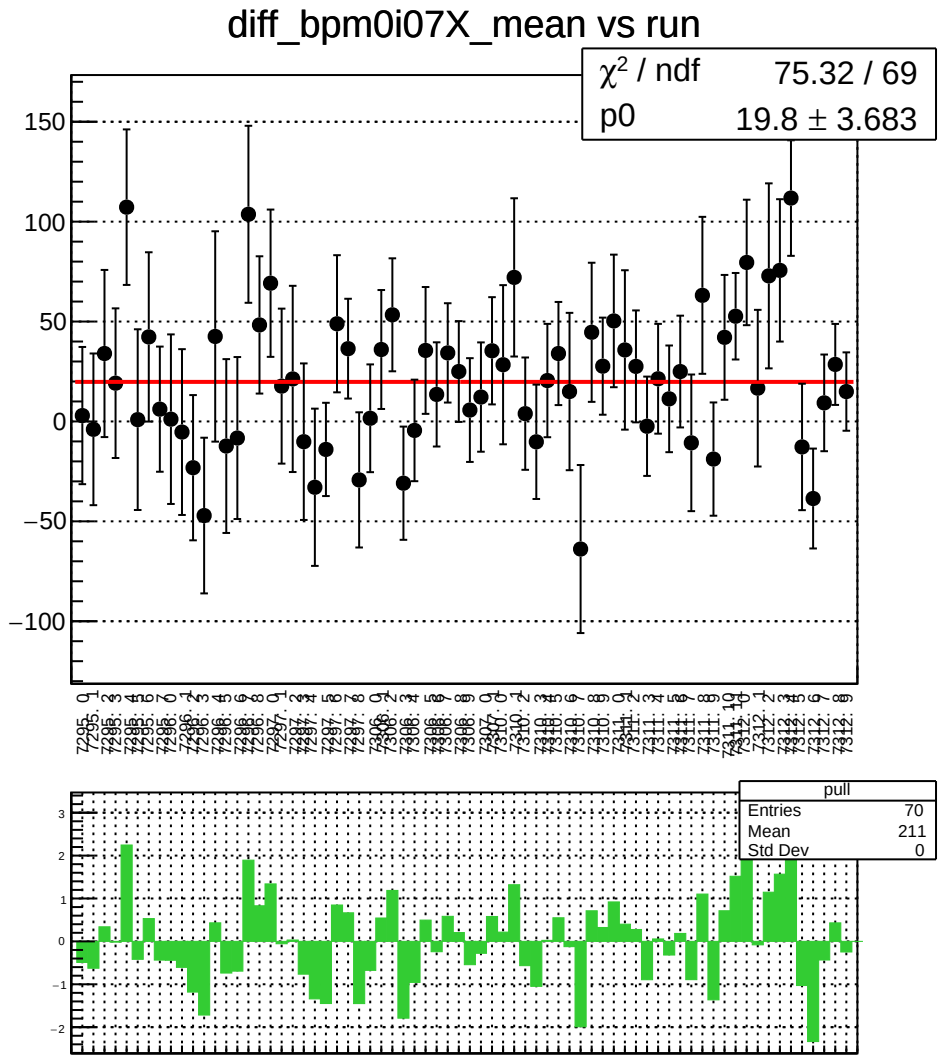

pull1D
Entries 70
Mean 0.008919
Std Dev 1.104
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

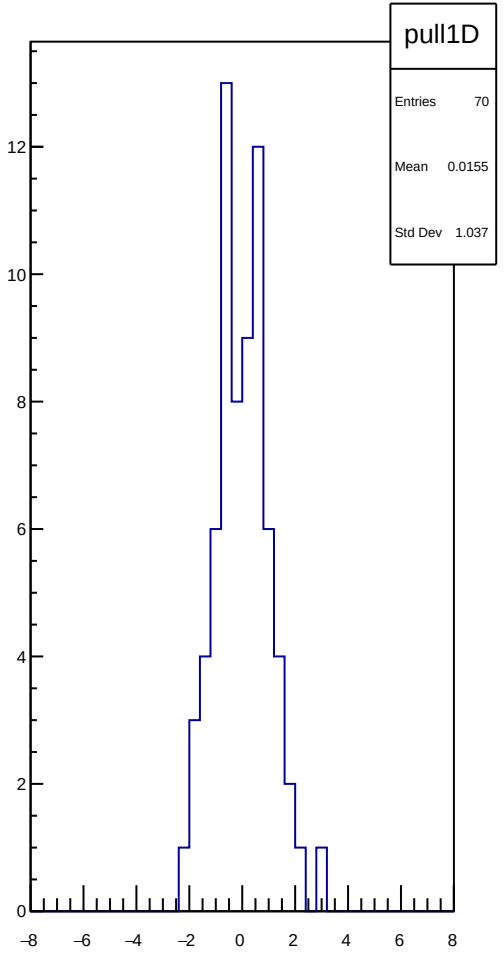

diff_bpm0i05X_rms vs run
χ² / ndf 2350 / 69
p0 2627 ± 2.29
2900
2800
2700
2600
2500
2400

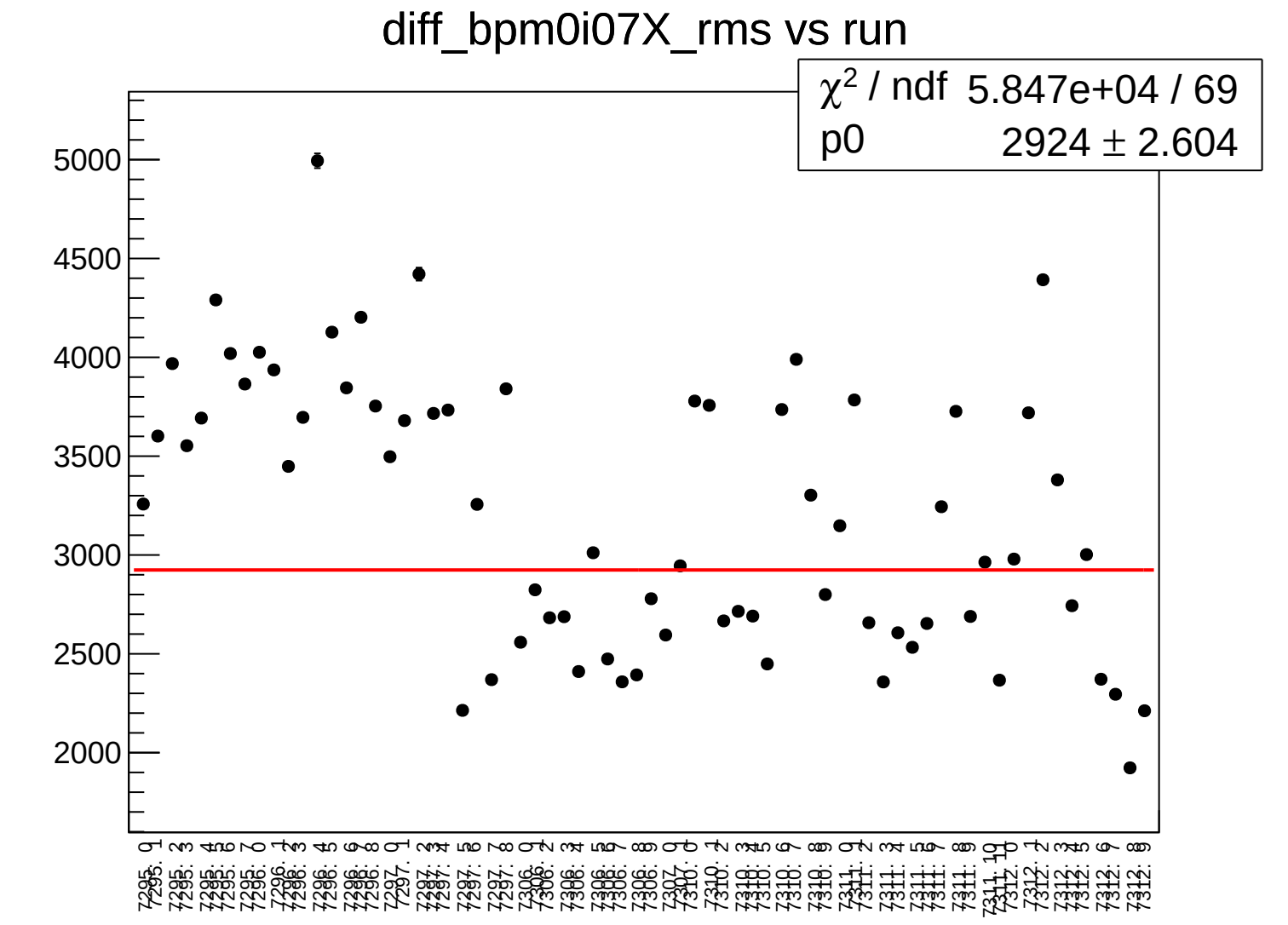

diff_bpm0i05Y_mean vs run
χ^2 / ndf 53.31 / 69
p0 18.29 ± 2.607
pull
Entries 70
Mean 3.884
Std Dev 110.8

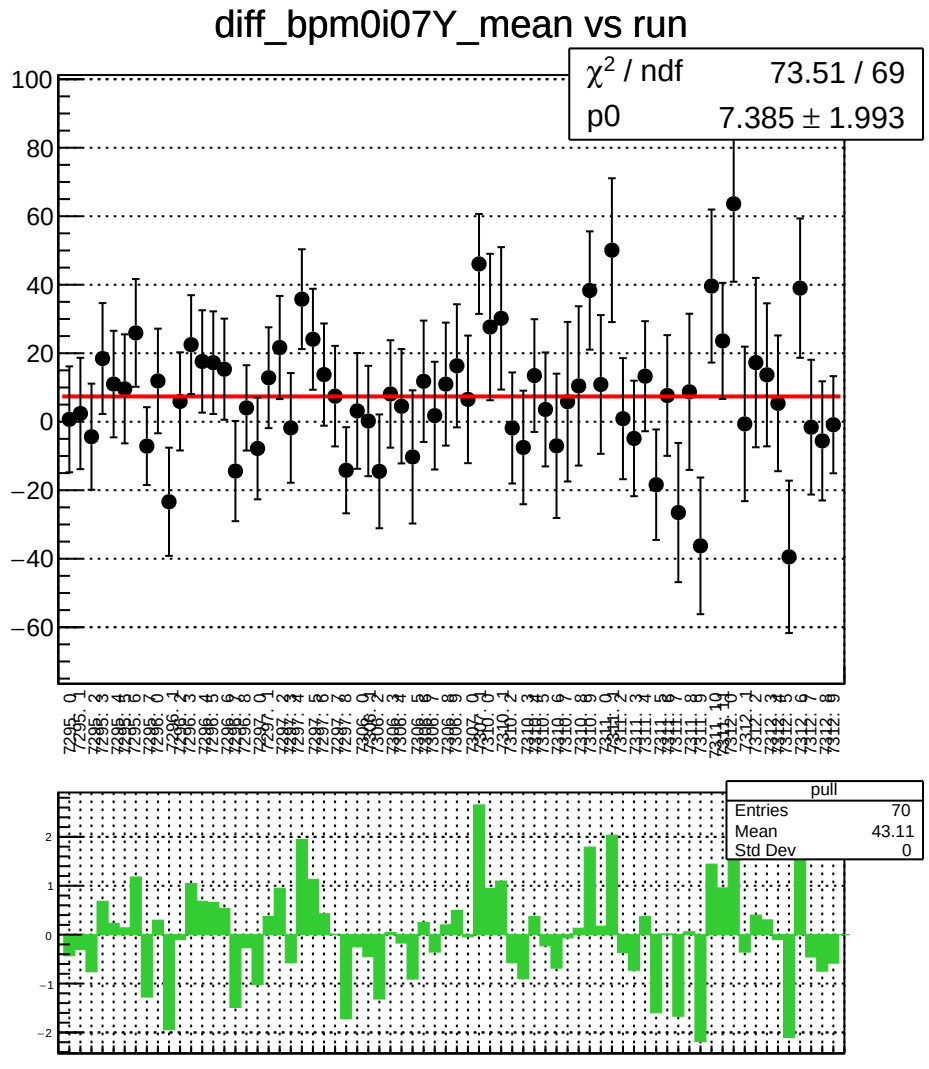

pull1D
Entries 70
Mean −0.00421
Std Dev 0.8727

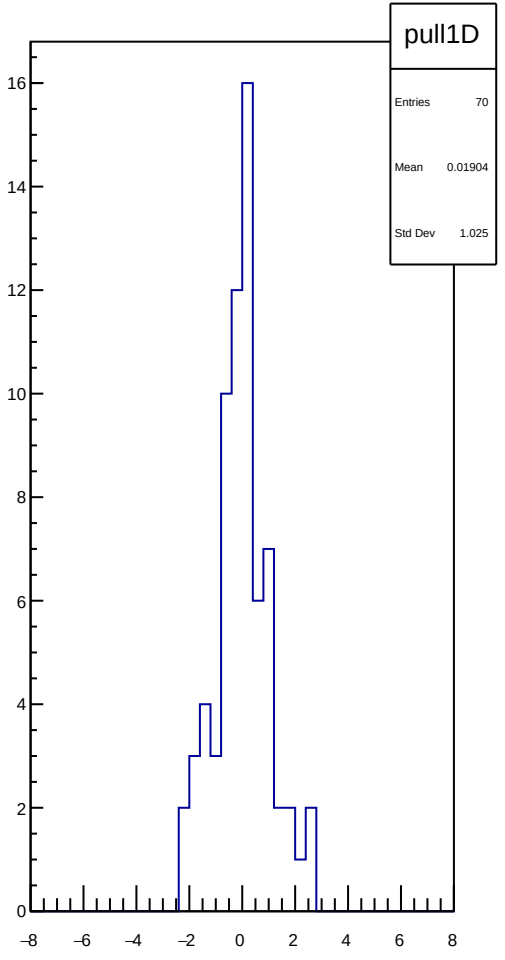

diff_bpm0i05Y_rms vs run
χ² / ndf 2467 / 69
p0 2115 ± 1.843
2500
2400
2300
2200
2100
2000
1900

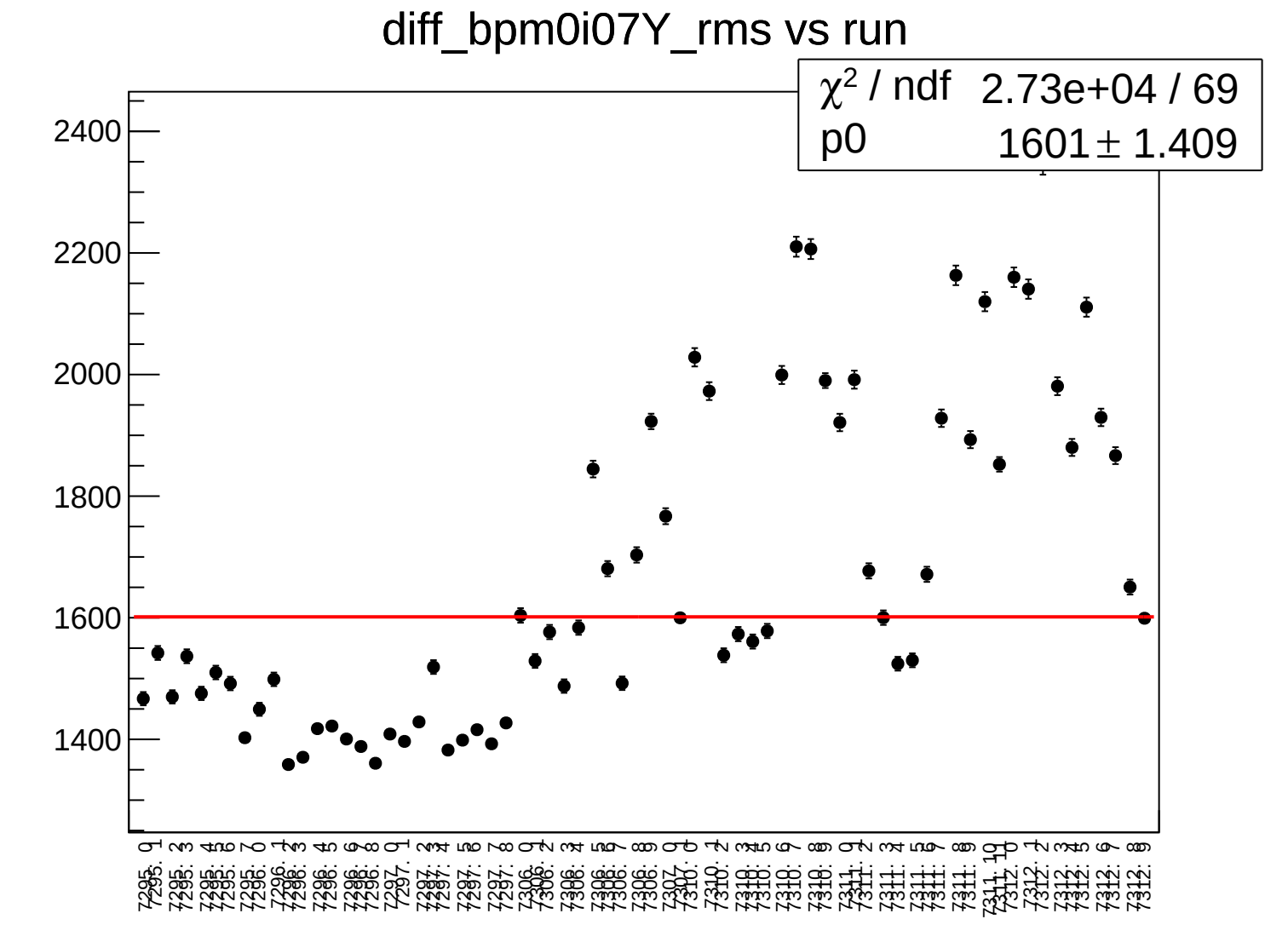

diff_bpm0i07X_mean vs run
χ² / ndf 75.32 / 69
p0 19.8 ± 3.683
pull
Entries 70
Mean 211
Std Dev 0

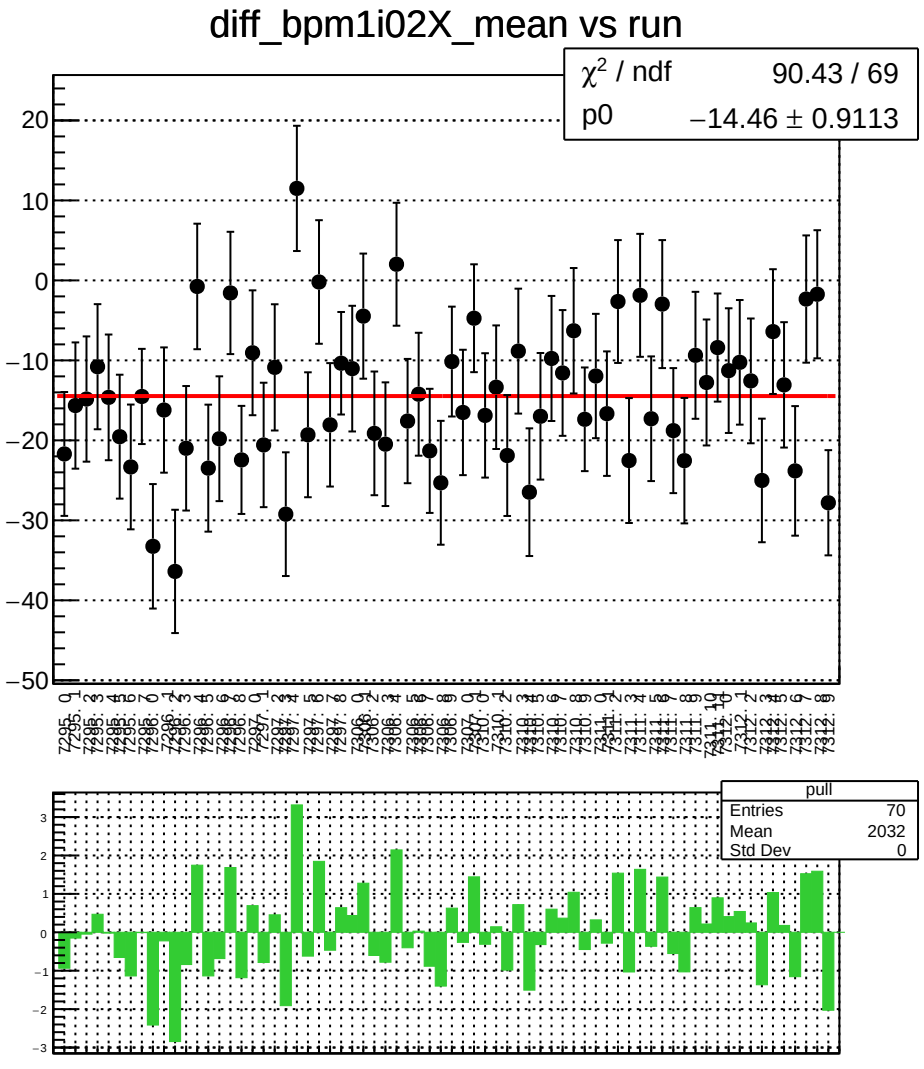

pull1D
Entries 70
Mean 0.0155
Std Dev 1.037

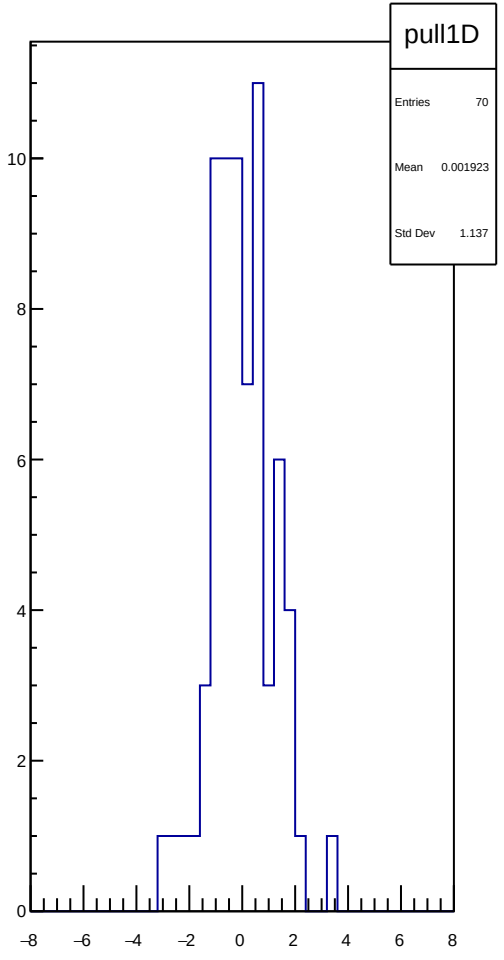

diff_bpm0i07X_rms vs run
χ^2 / ndf 5.847e+04 / 69
p0 2924 ± 2.604
5000
4500
4000
3500
3000
2500
2000

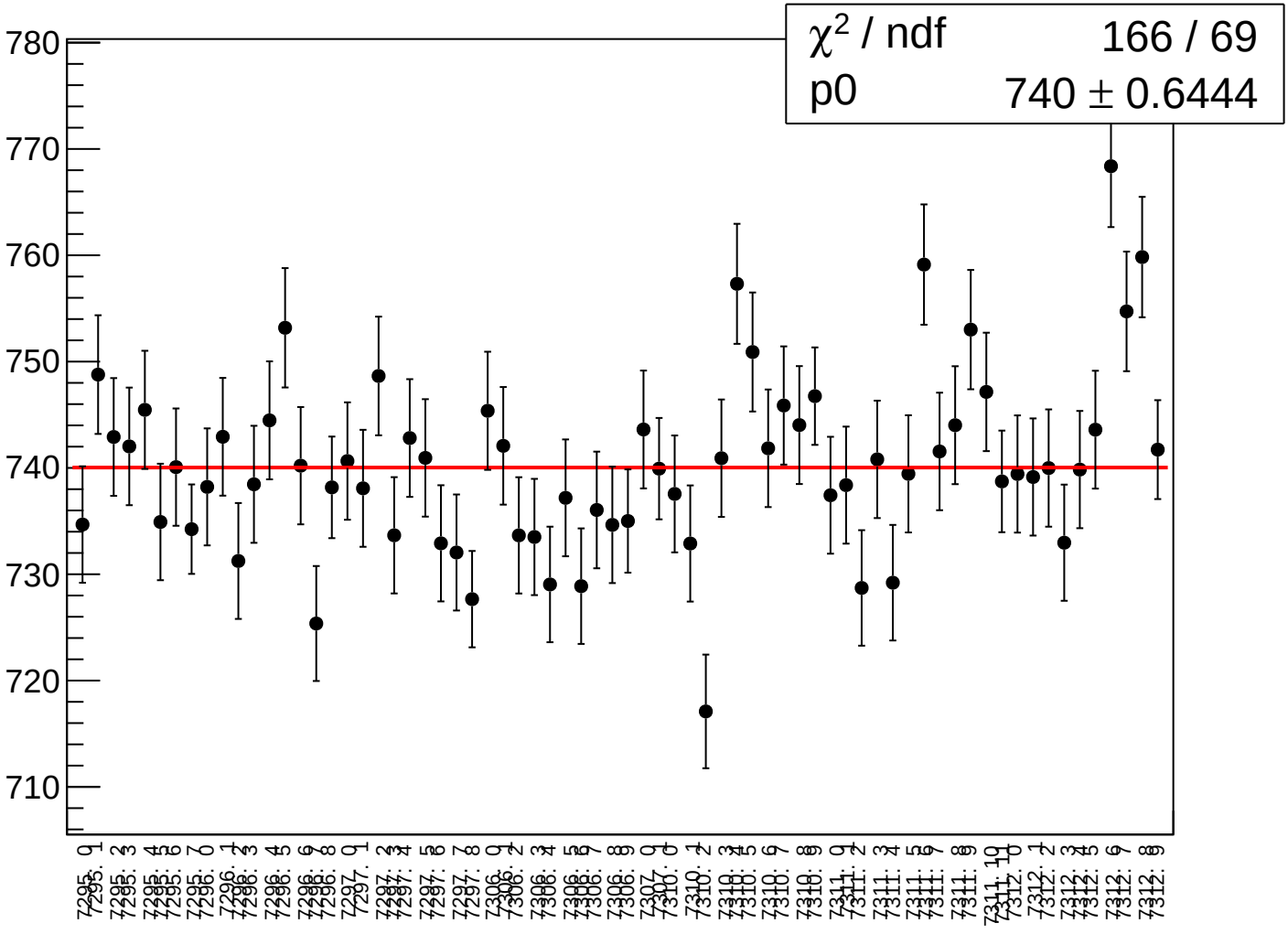

diff_bpm0i07Y_mean vs run
χ^2 / ndf 73.51 / 69
p0 7.385 ± 1.993
pull
Entries 70
Mean 43.11
Std Dev 0

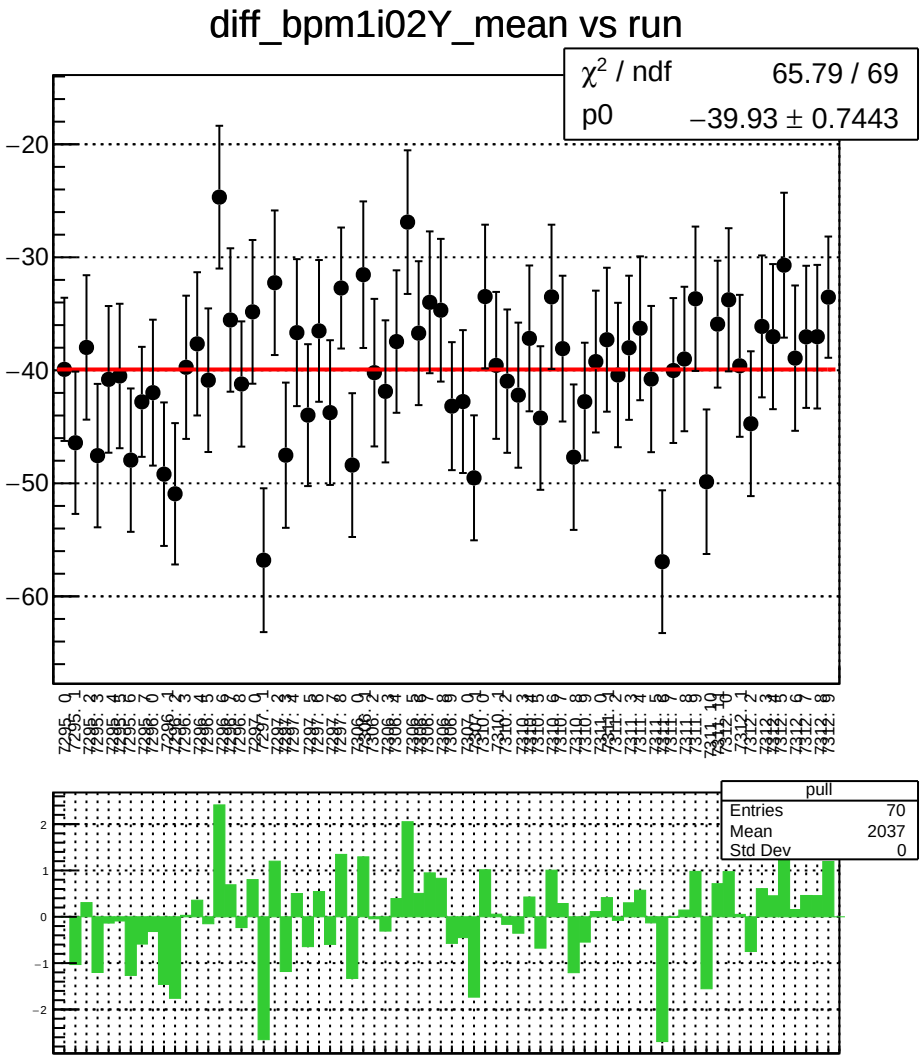

pull1D
Entries 70
Mean 0.01904
Std Dev 1.025

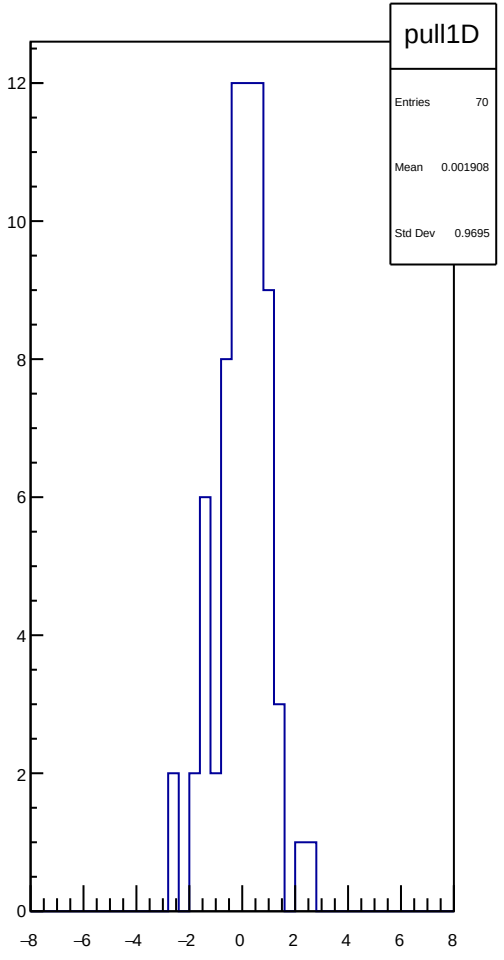

diff_bpm0i07Y_rms vs run
χ² / ndf 2.73e+04 / 69
p0 1601 ± 1.409
2400
2200
2000
1800
1600
1400

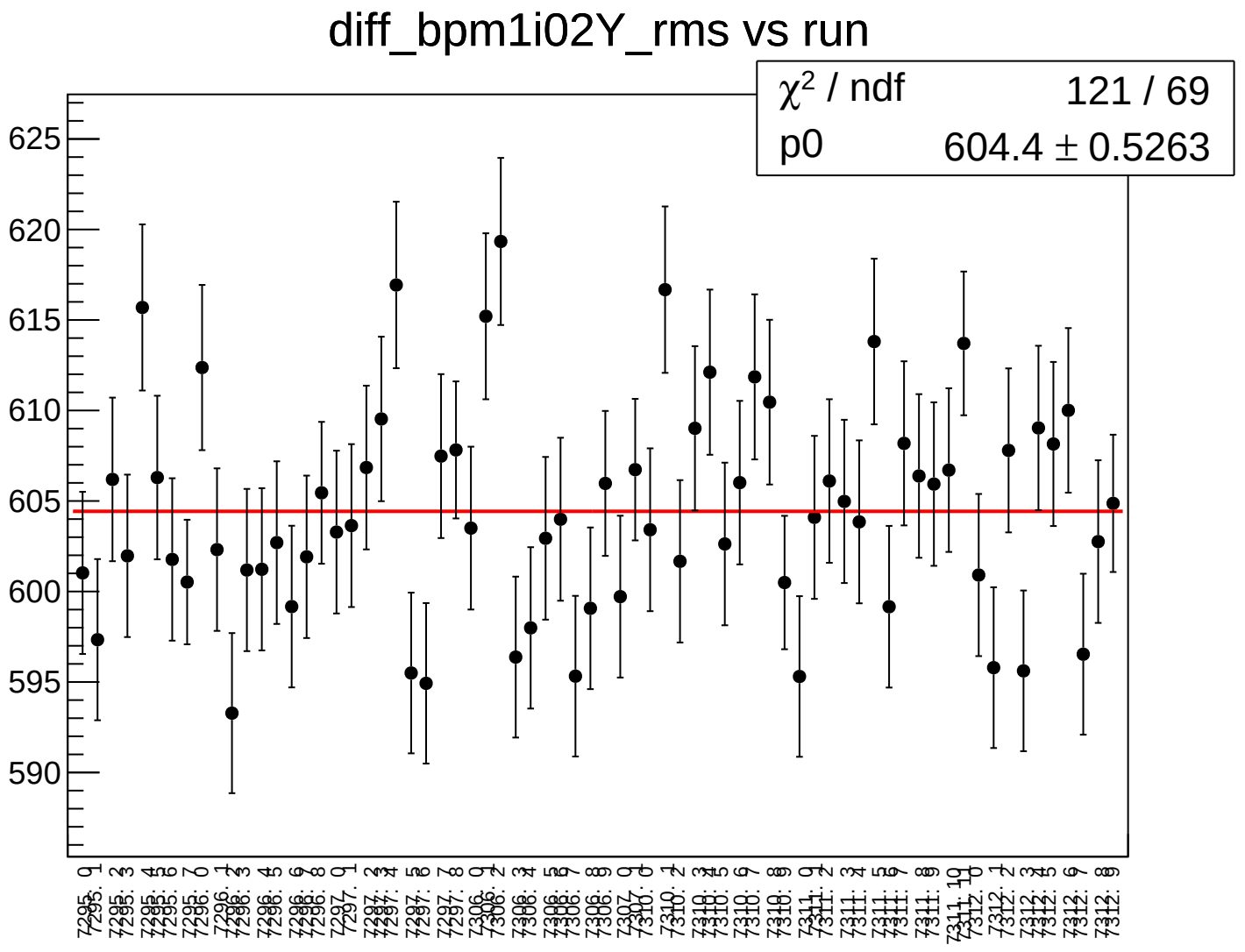

diff_bpm1i02X_mean vs run
χ² / ndf 90.43 / 69
p0 −14.46 ± 0.9113
pull
Entries 70
Mean 2032
Std Dev 0

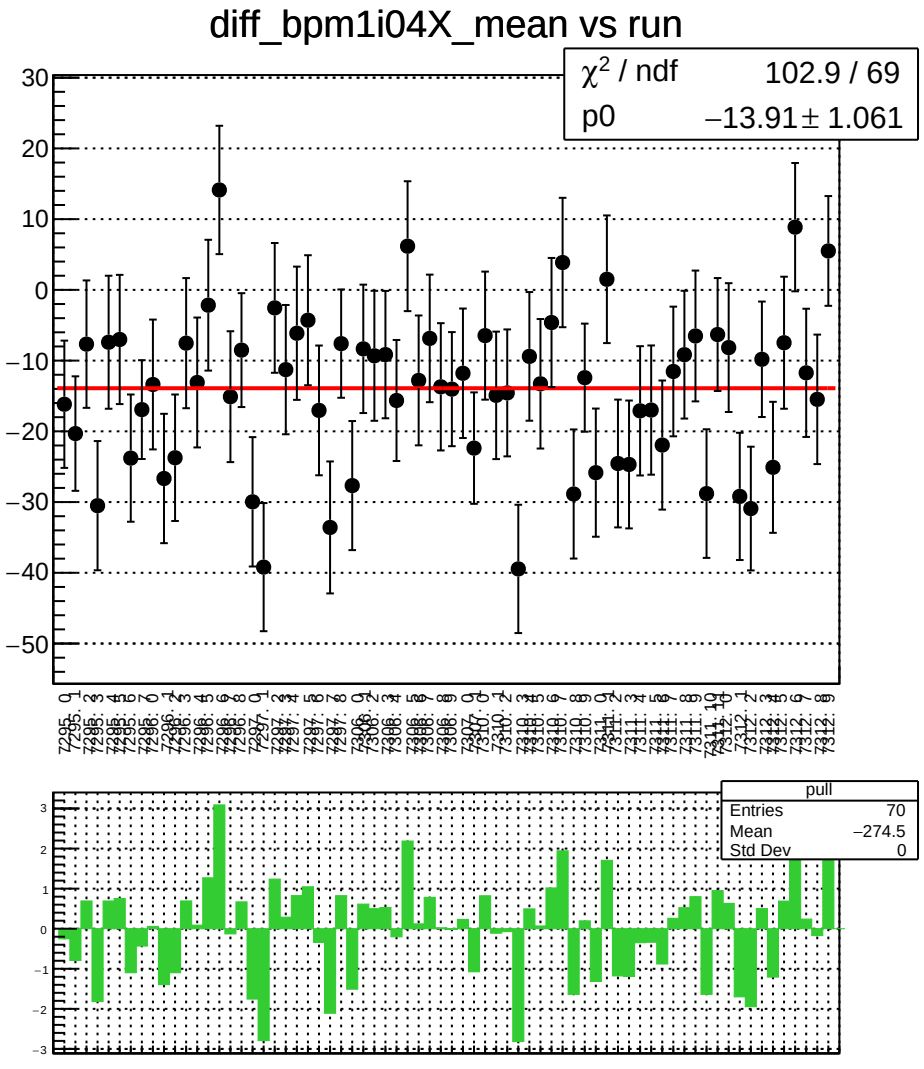

pull1D
Entries 70
Mean 0.001923
Std Dev 1.137

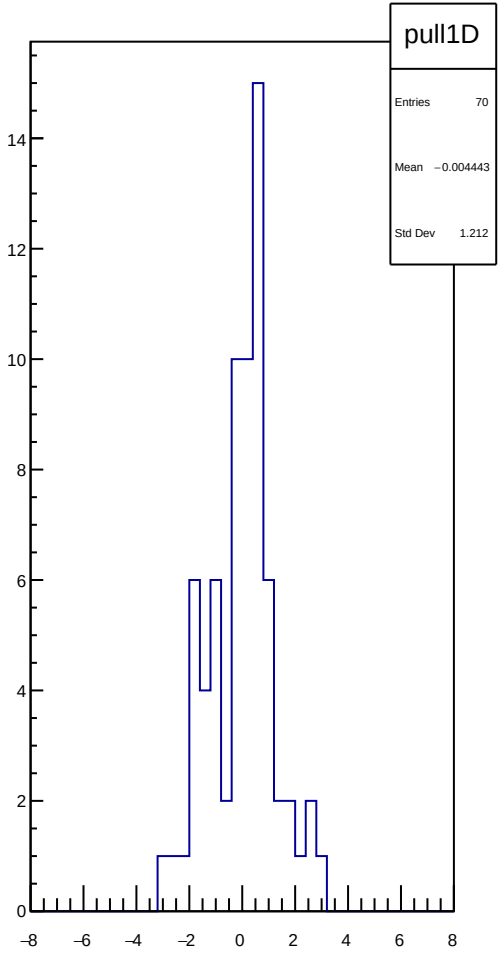

diff_bpm1i02X_rms vs run
χ² / ndf 166 / 69
p0 740 ± 0.6444
780
770
760
750
740
730
720
710

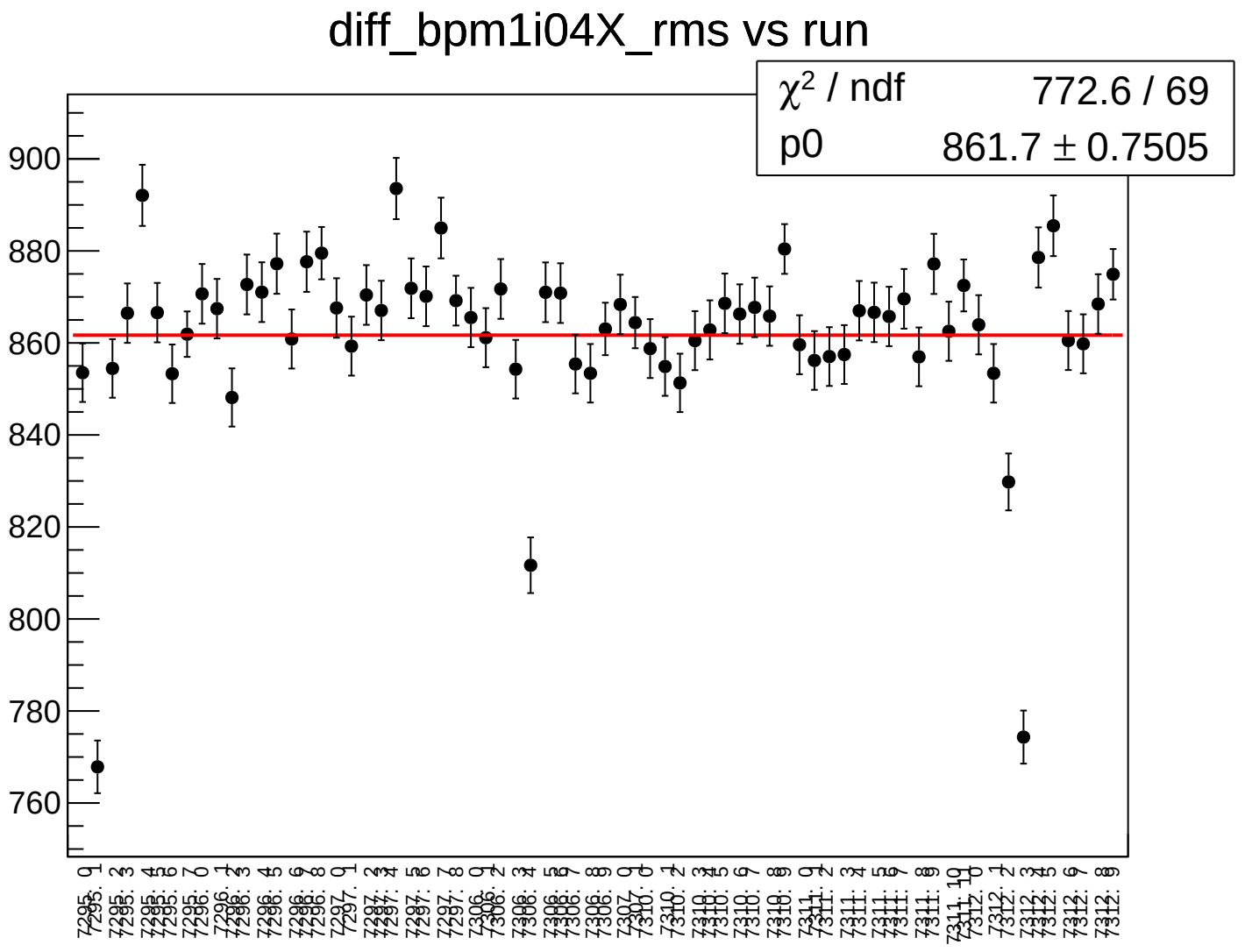

diff_bpm1i02Y_mean vs run
χ² / ndf 65.79 / 69
p0 −39.93 ± 0.7443
pull
Entries 70
Mean 2037
Std Dev 0

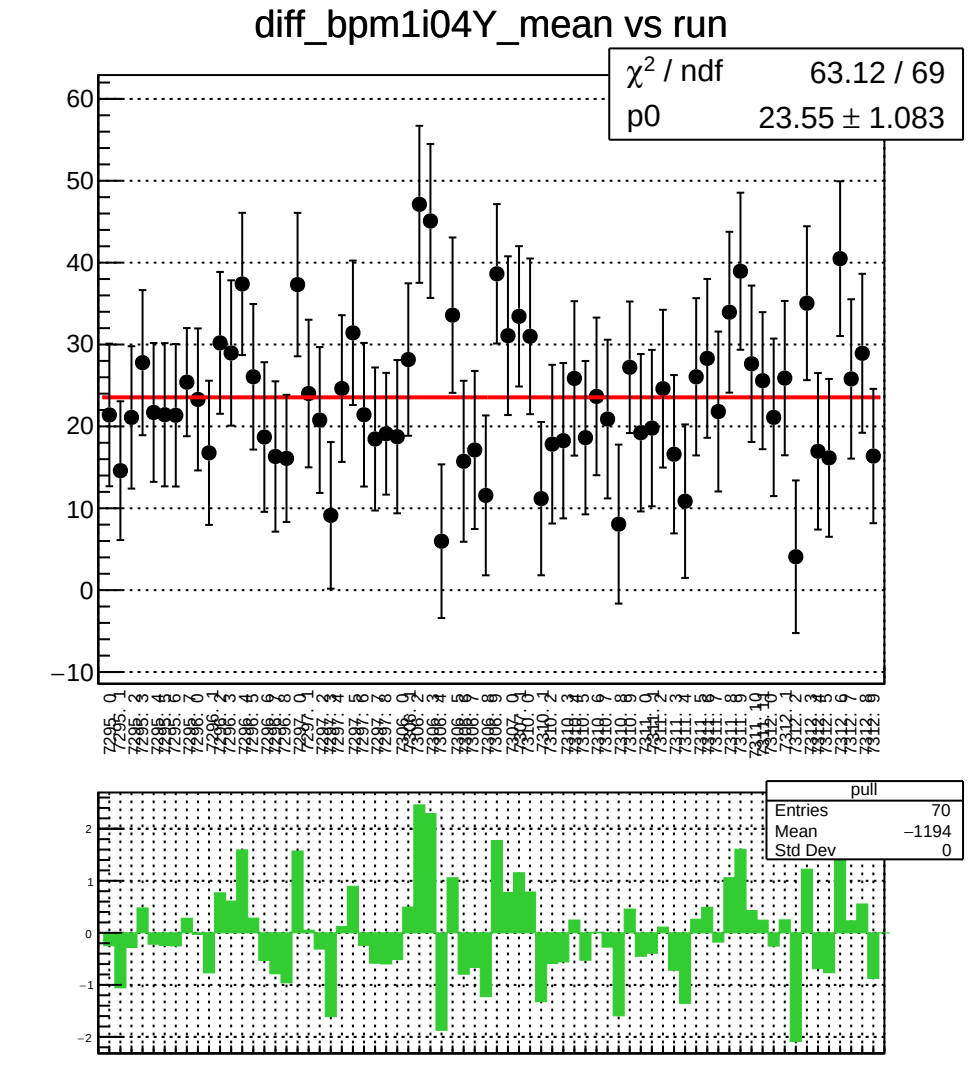

pull1D
Entries 70
Mean 0.001908
Std Dev 0.9695

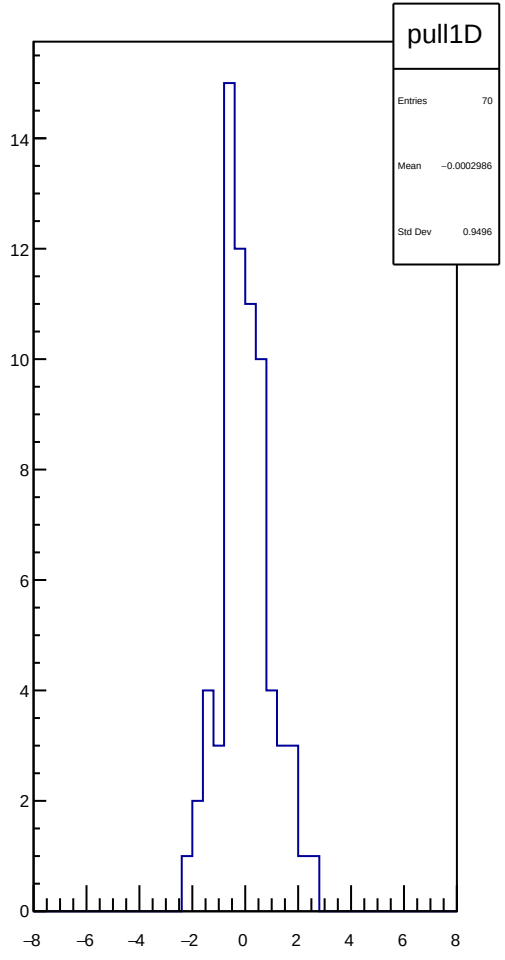

diff_bpm1i02Y_rms vs run
χ² / ndf 121 / 69
p0 604.4 ± 0.5263
625
620
615
610
605
600
595
590

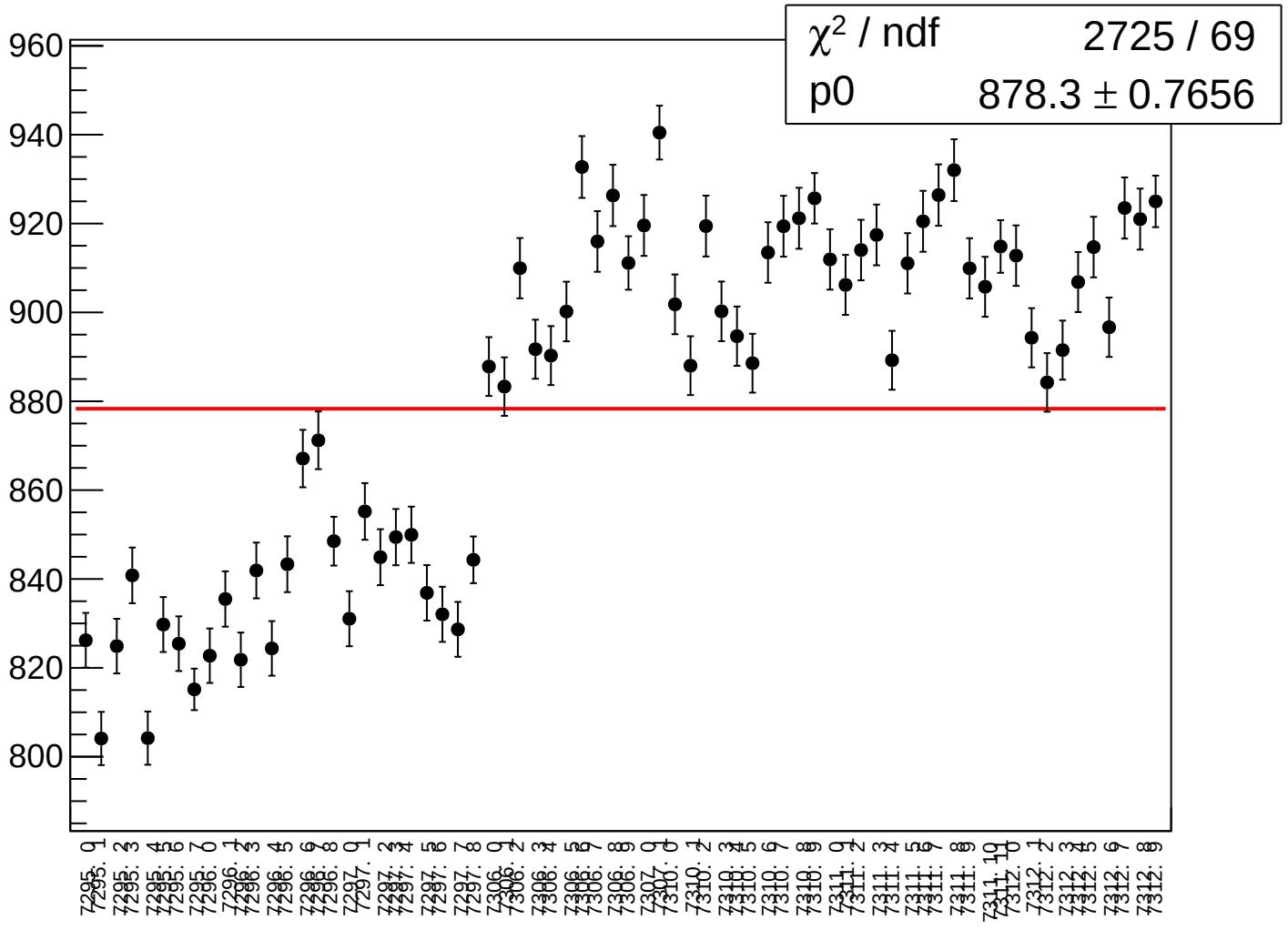

diff_bpm1i04X_mean vs run
χ^2 / ndf 102.9 / 69
p0 −13.91 ± 1.061
pull
Entries 70
Mean −274.5
Std Dev 0

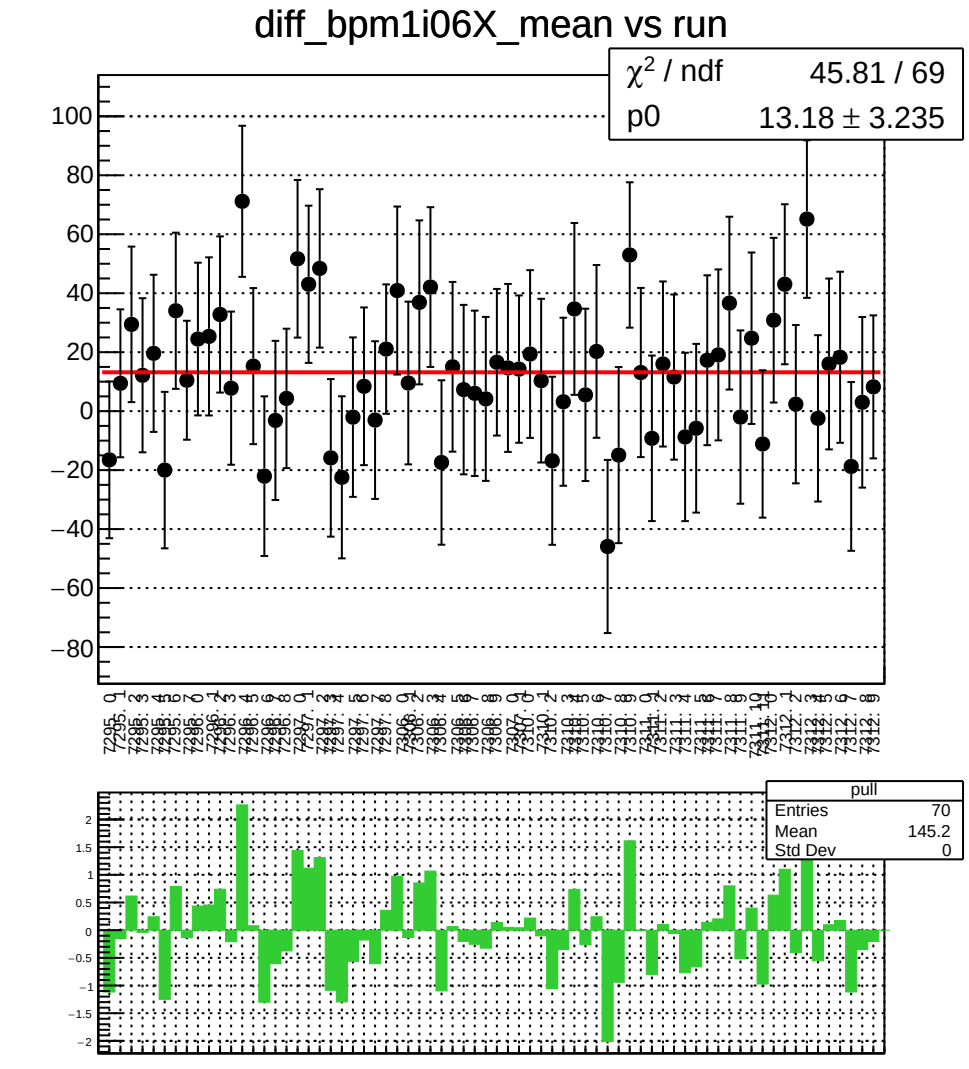

pull1D
Entries 70
Mean −0.004443
Std Dev 1.212

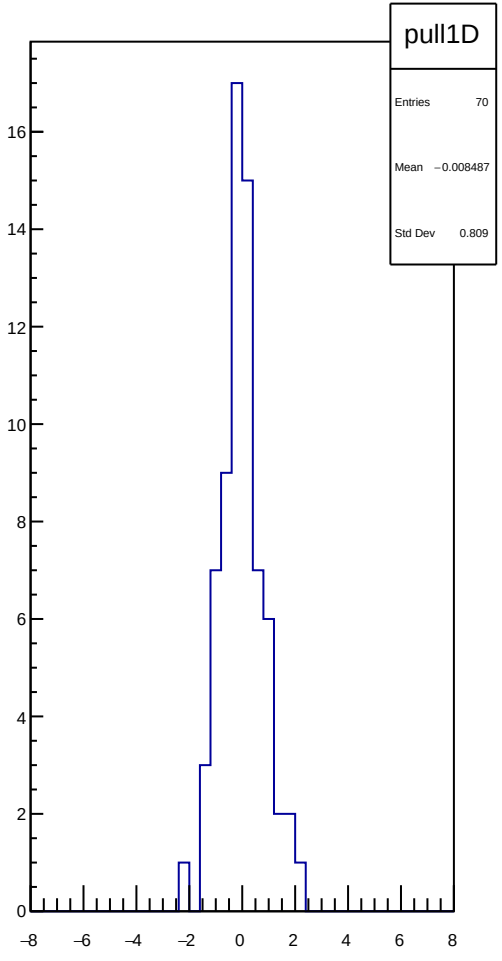

diff_bpm1i04X_rms vs run
χ² / ndf 772.6 / 69
p0 861.7 ± 0.7505
900
880
860
840
820
800
780
760

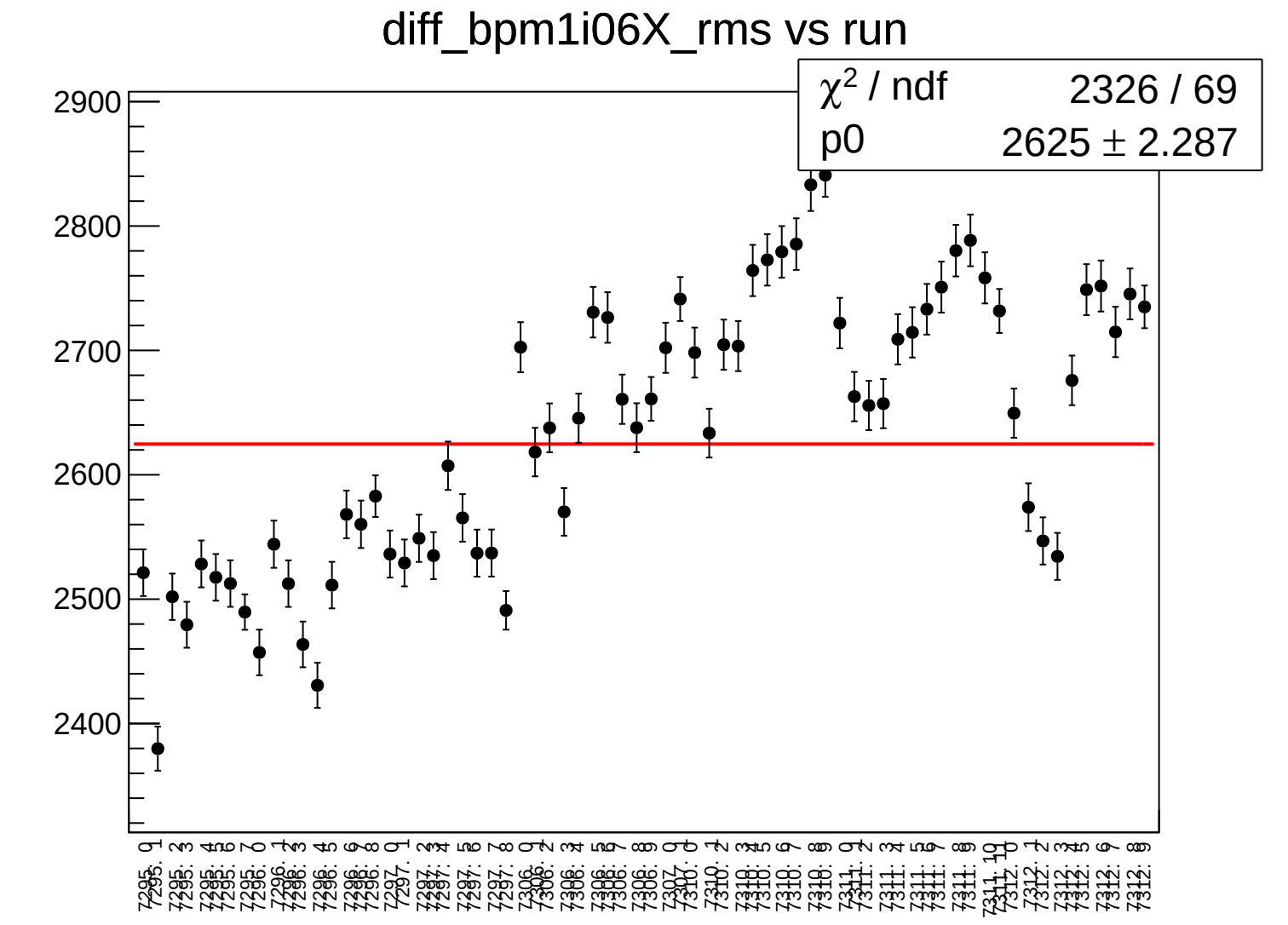

diff_bpm1i04Y_mean vs run
χ² / ndf 63.12 / 69
p0 23.55 ± 1.083
pull
Entries 70
Mean −1194
Std Dev 0

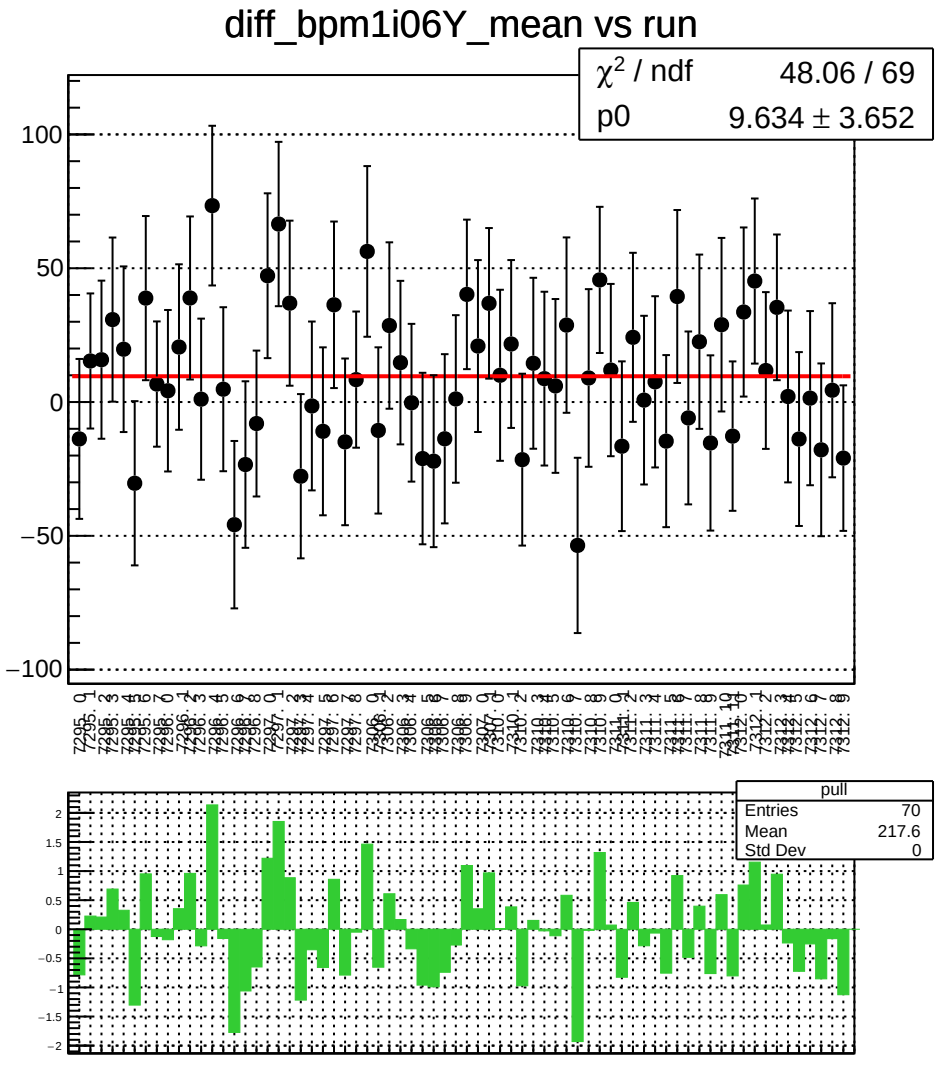

pull1D
Entries 70
Mean −0.0002986
Std Dev 0.9496

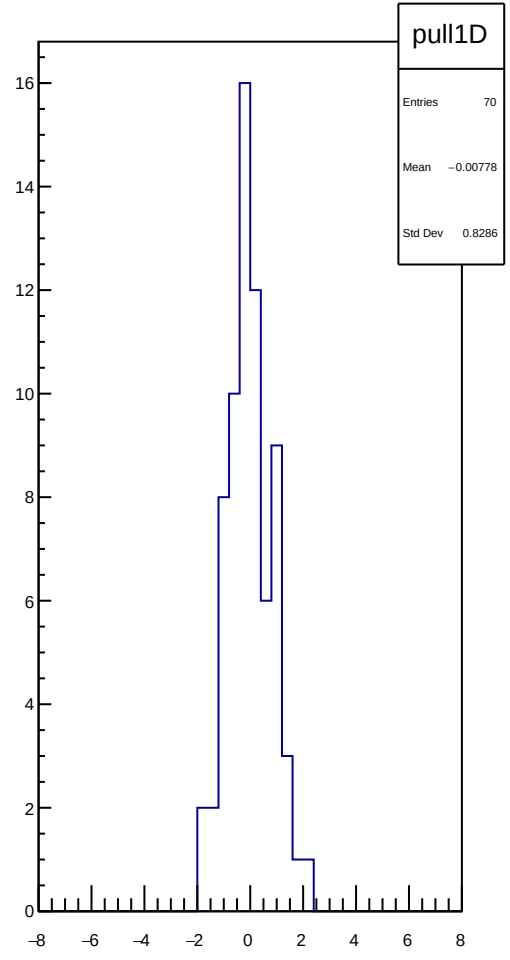

diff_bpm1i04Y_rms vs run
χ² / ndf 2725 / 69
p0 878.3 ± 0.7656
960
940
920
900
880
860
840
820
800

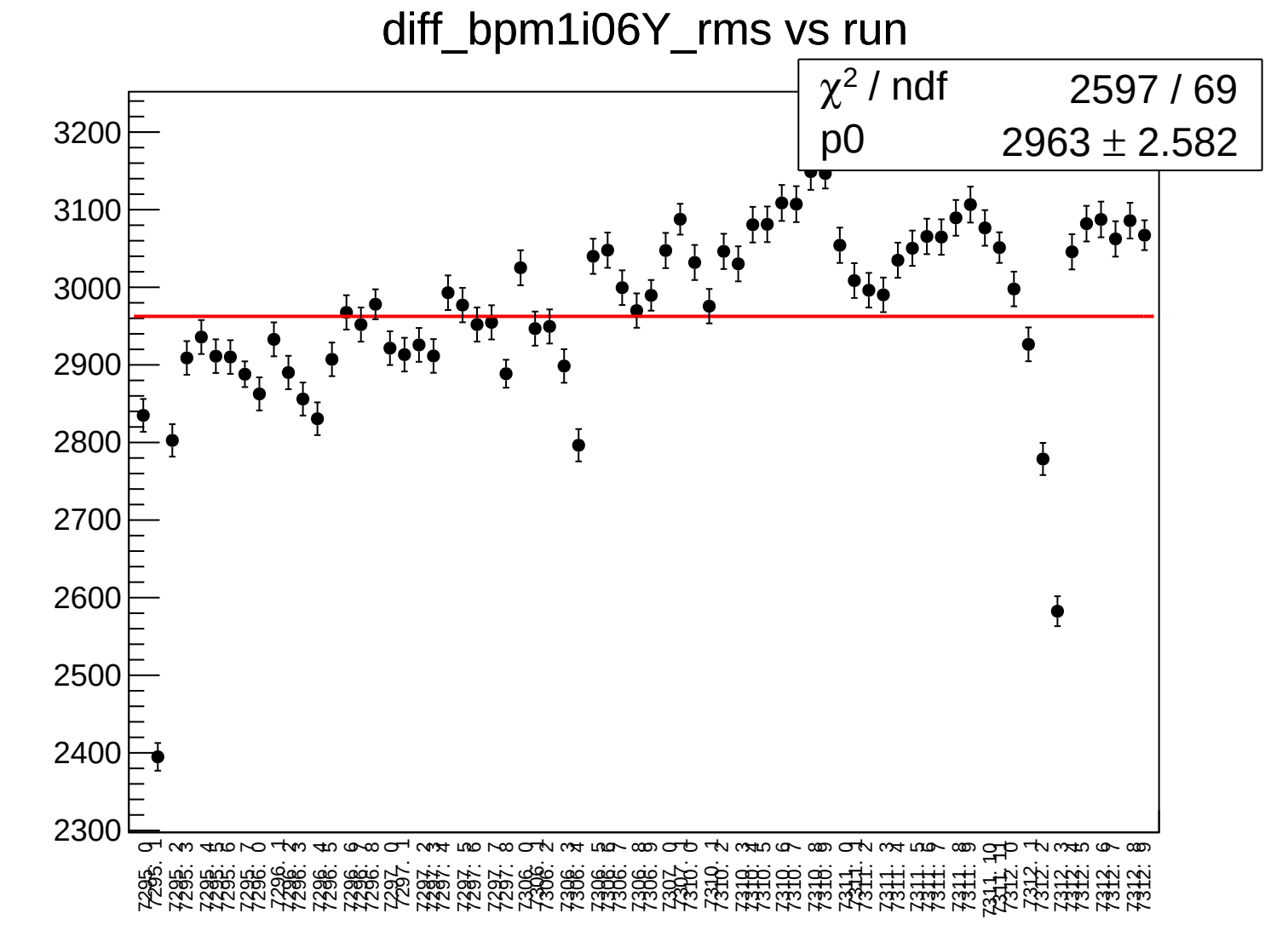

diff_bpm1i06X_mean vs run
χ^2 / ndf 45.81 / 69
p0 13.18 ± 3.235
pull
Entries 70
Mean 145.2
Std Dev 0

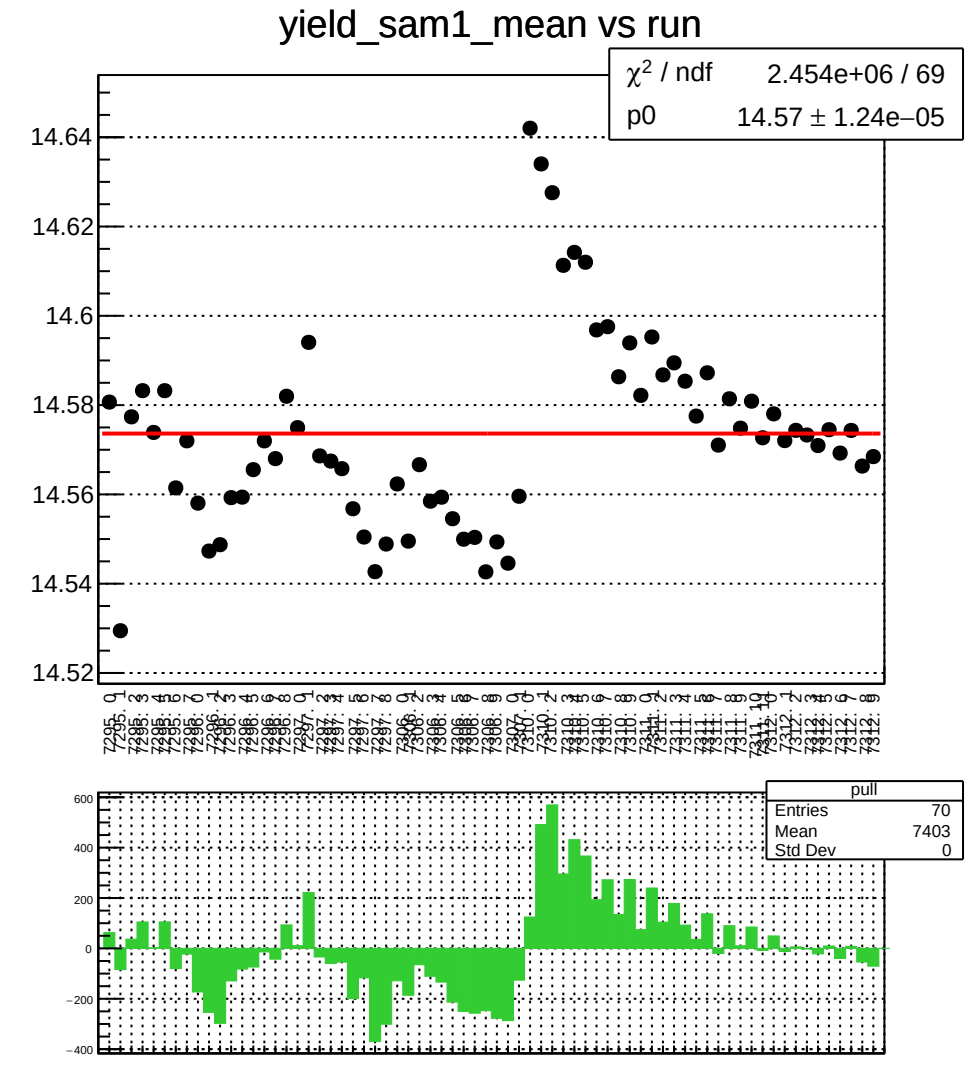

pull1D
Entries 70
Mean −0.008487
Std Dev 0.809

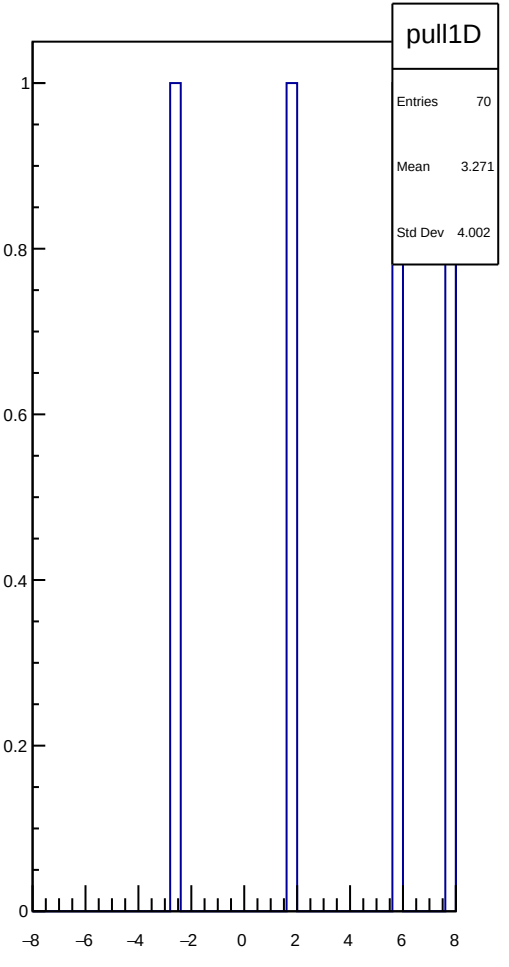

diff_bpm1i06X_rms vs run
χ² / ndf 2326 / 69
p0 2625 ± 2.287
2900
2800
2700
2600
2500
2400

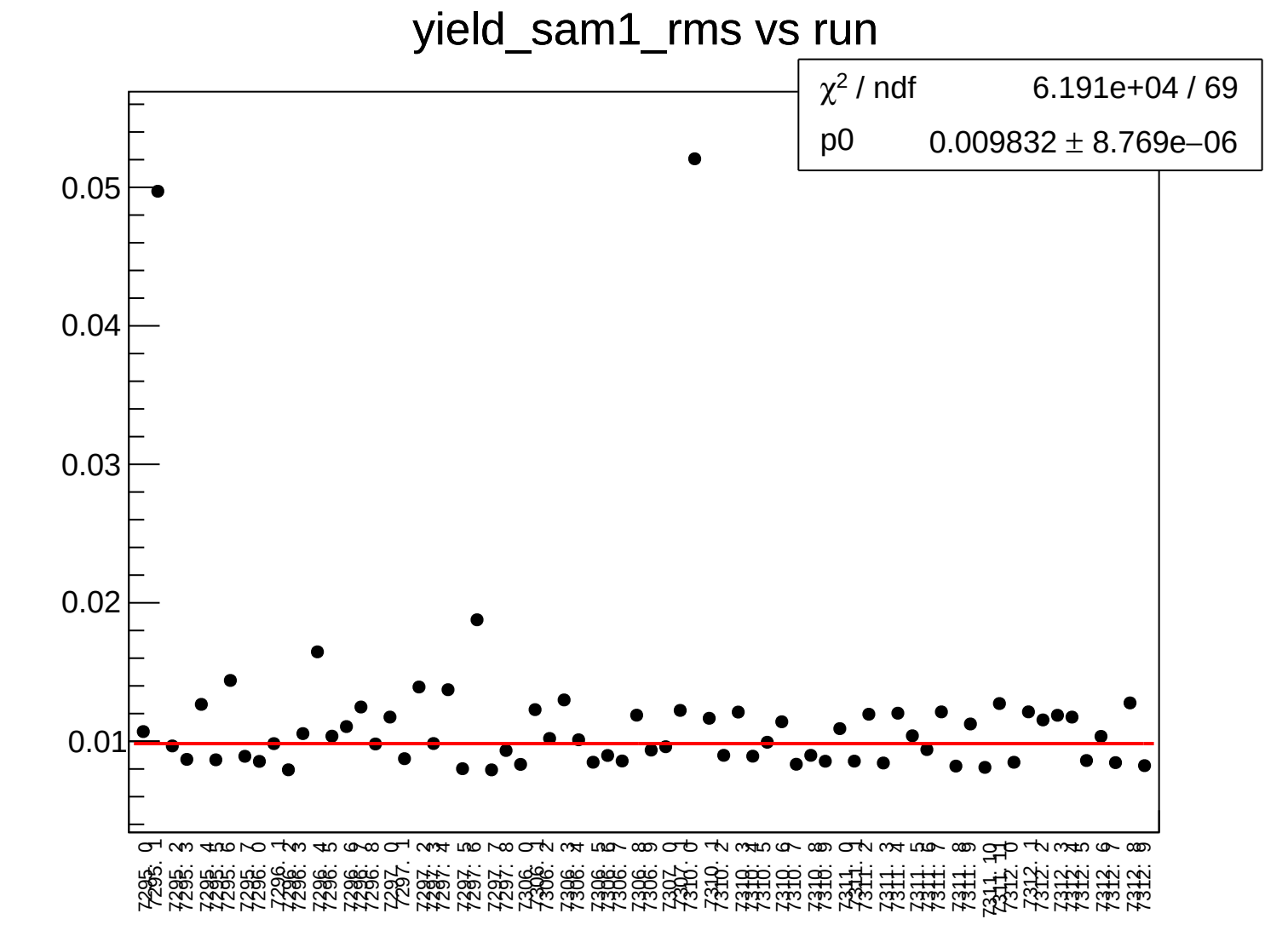

diff_bpm1i06Y_mean vs run
χ^2 / ndf 48.06 / 69
p0 9.634 ± 3.652
pull
Entries 70
Mean 217.6
Std Dev 0

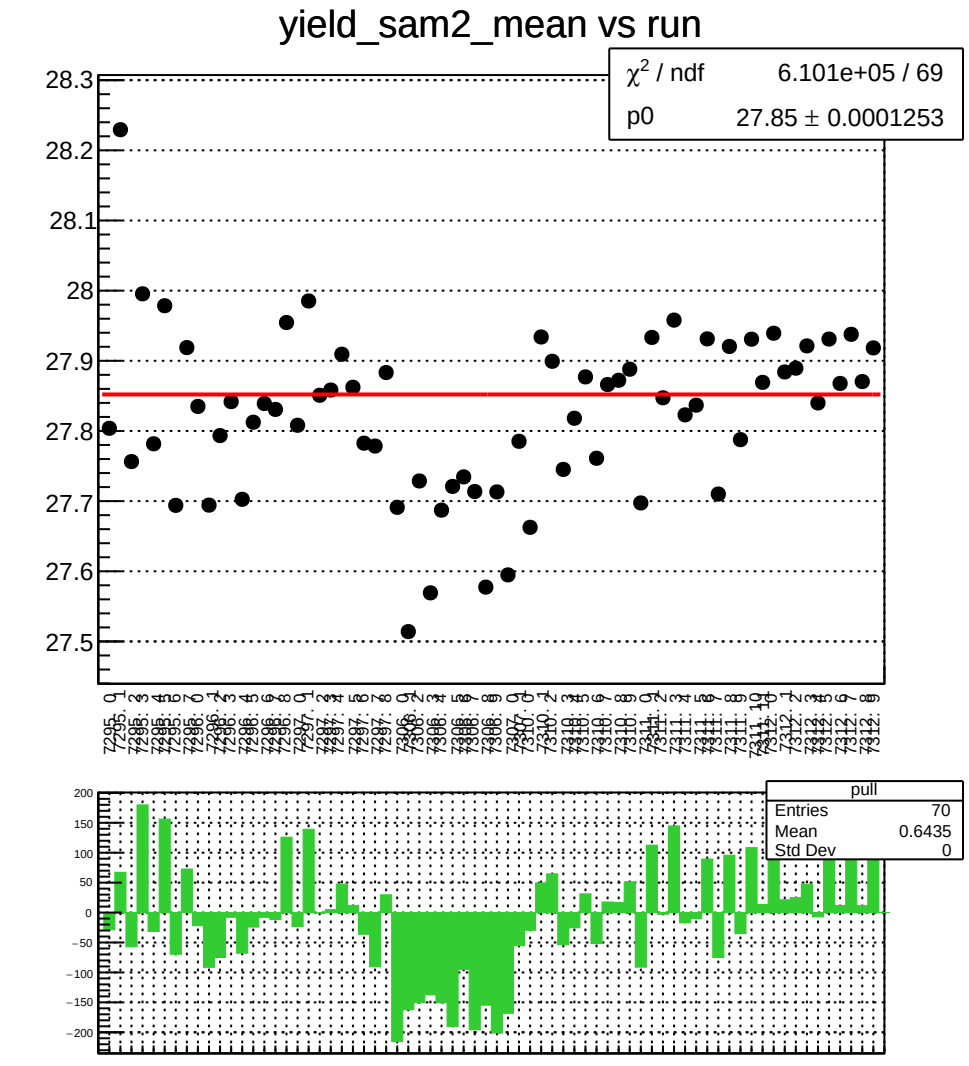

pull1D
Entries 70
Mean −0.00778
Std Dev 0.8286

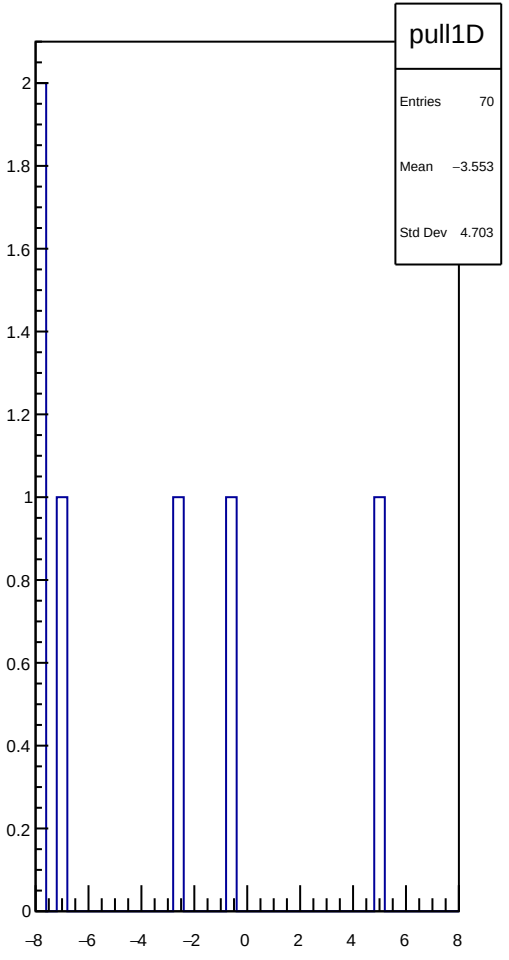

diff_bpm1i06Y_rms vs run
χ² / ndf 2597 / 69
p0 2963 ± 2.582
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

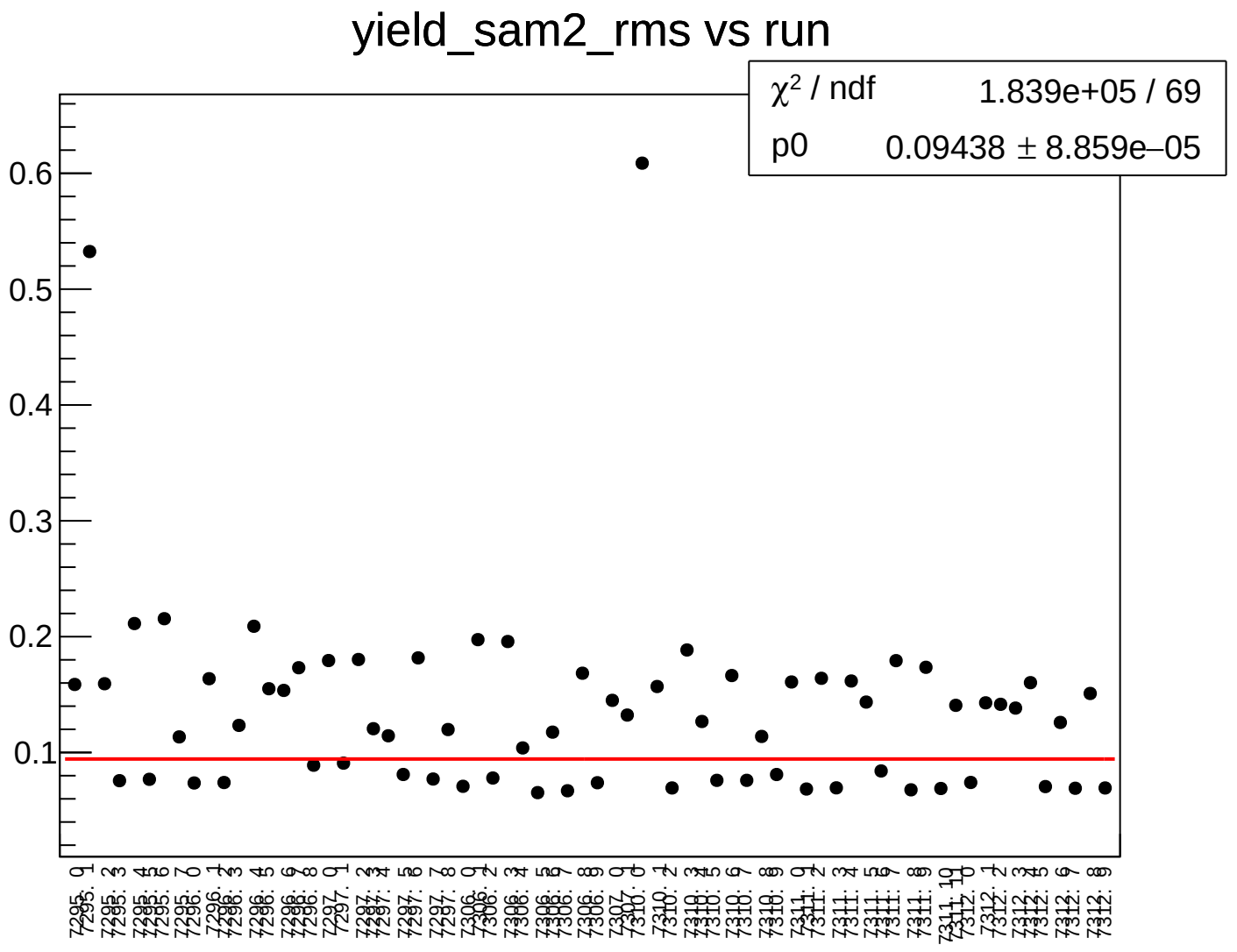

yield_sam1_mean vs run
χ² / ndf 2.454e+06 / 69
p0 14.57 ± 1.24e−05
14.64
14.62
14.6
14.58
14.56
14.54
14.52
pull
Entries 70
Mean 7403
Std Dev 0
600
400
200
0
−200
−400

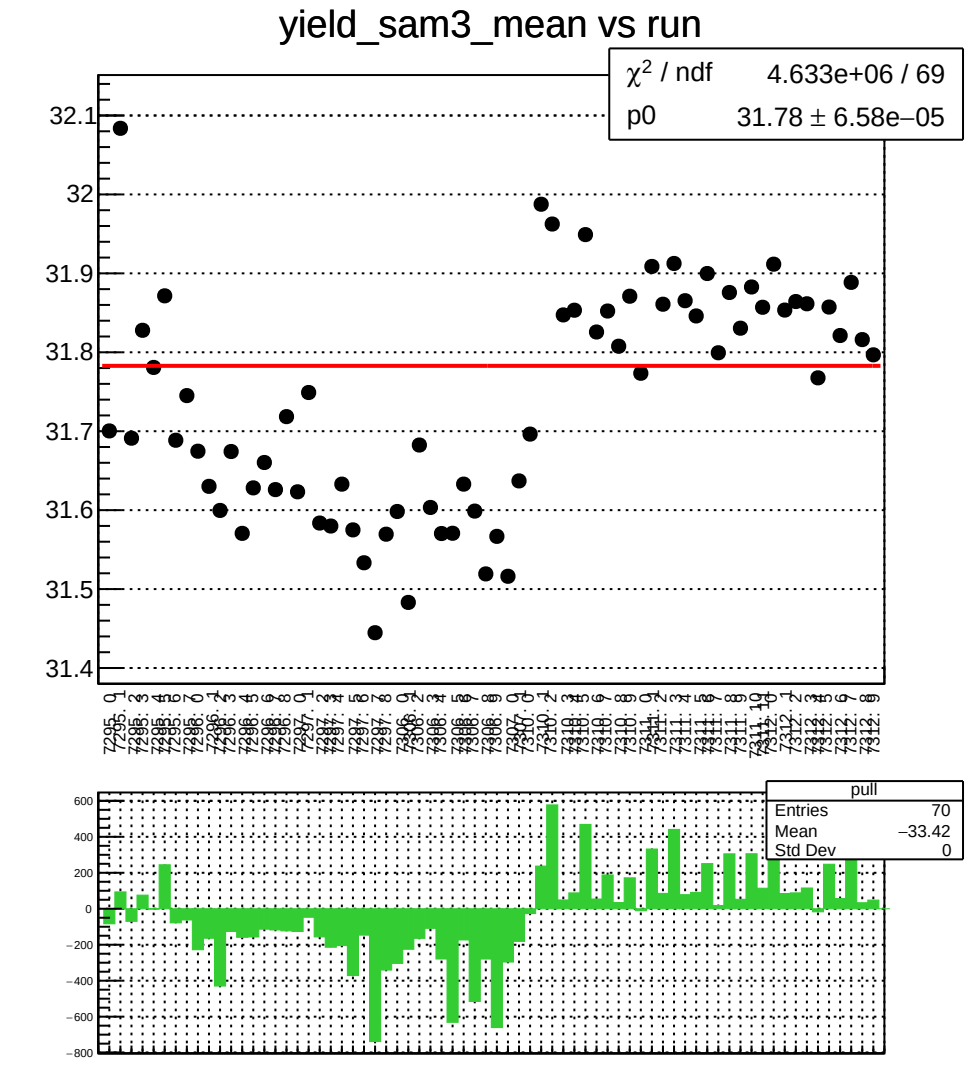

pull1D
Entries 70
Mean 3.271
Std Dev 4.002
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

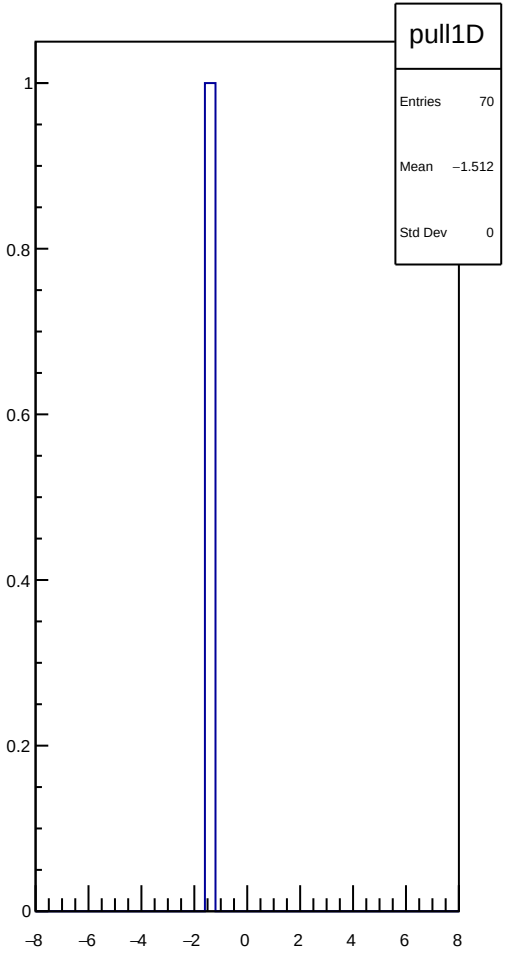

yield_sam1_rms vs run
χ² / ndf 6.191e+04 / 69
p0 0.009832 ± 8.769e−06
0.05
0.04
0.03
0.02
0.01

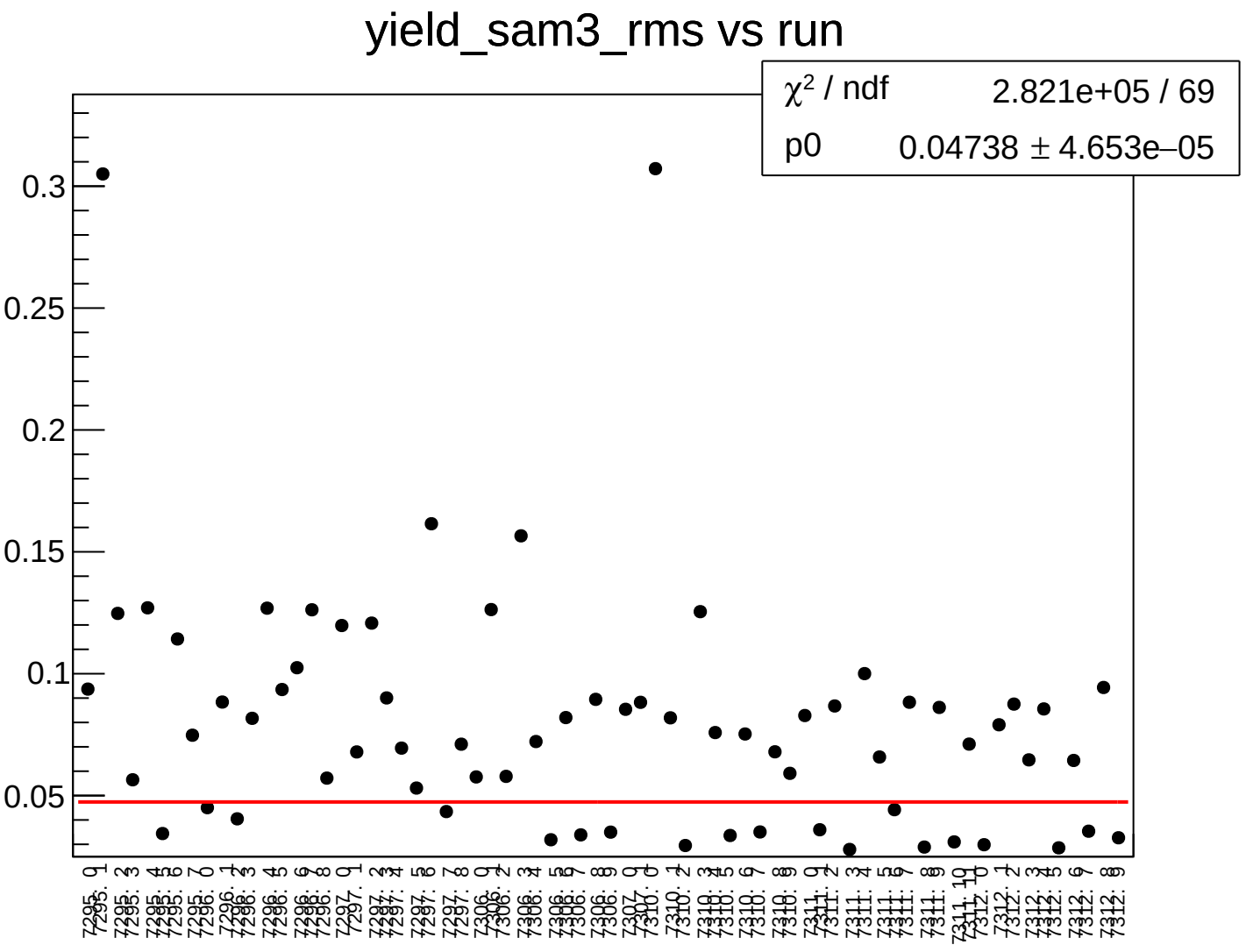

yield_sam2_mean vs run
χ^2 / ndf 6.101e+05 / 69
p0 27.85 ± 0.0001253
28.3
28.2
28.1
28
27.9
27.8
27.7
27.6
27.5
pull
Entries 70
Mean 0.6435
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

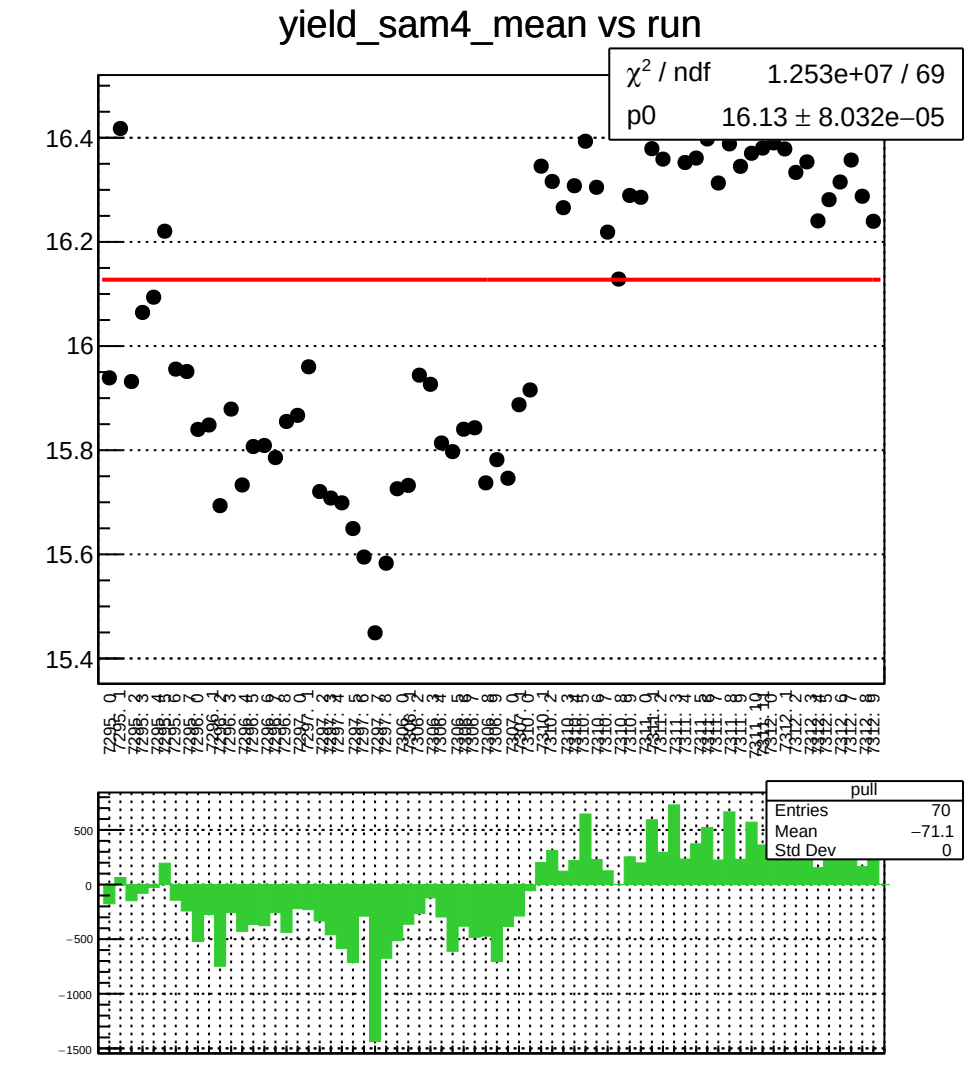

pull1D
Entries 70
Mean −3.553
Std Dev 4.703
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

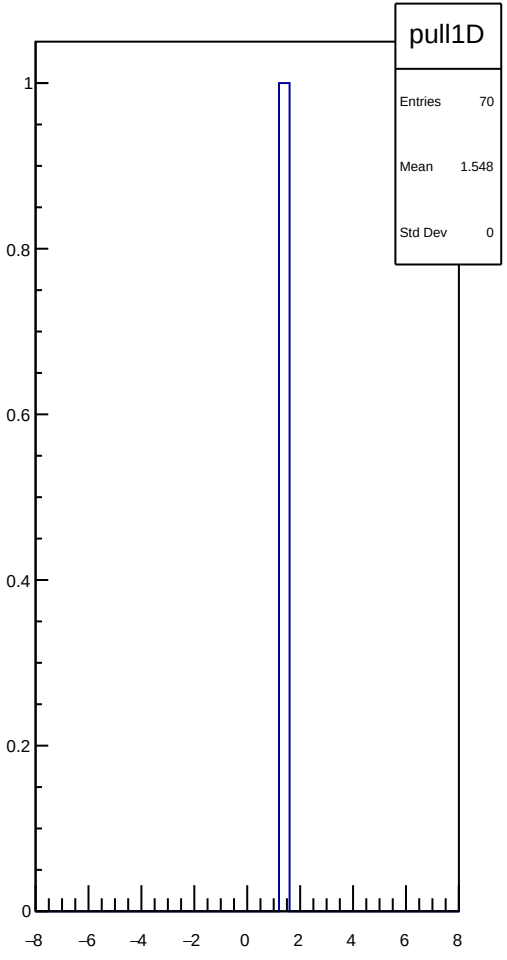

yield_sam2_rms vs run
χ² / ndf 1.839e+05 / 69
p0 0.09438 ± 8.859e−05
0.6
0.5
0.4
0.3
0.2
0.1

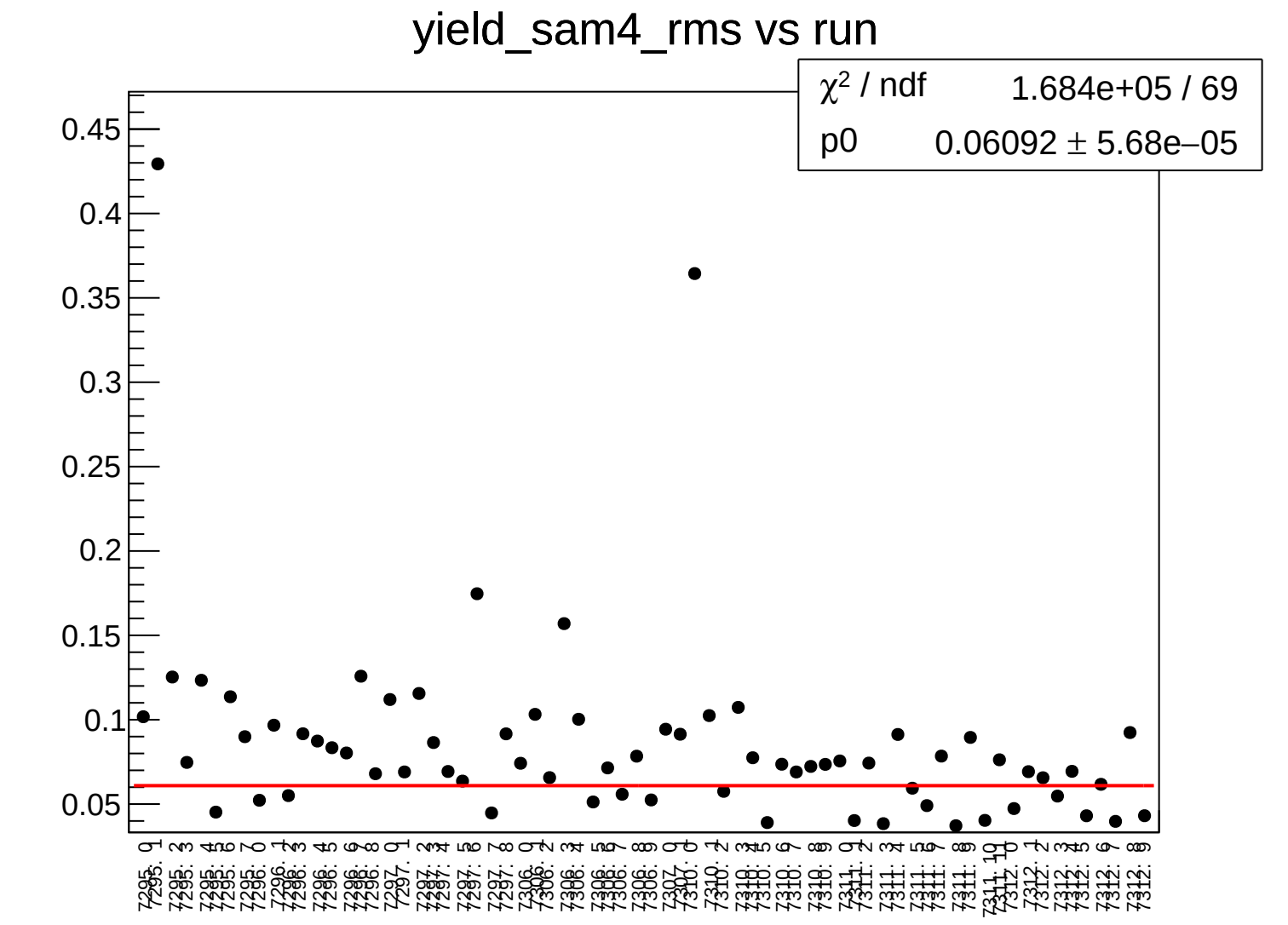

yield_sam3_mean vs run
χ² / ndf 4.633e+06 / 69
p0 31.78 ± 6.58e−05
32.1
32
31.9
31.8
31.7
31.6
31.5
31.4
pull
Entries 70
Mean −33.42
Std Dev 0
600
400
200
0
−200
−400
−600
−800

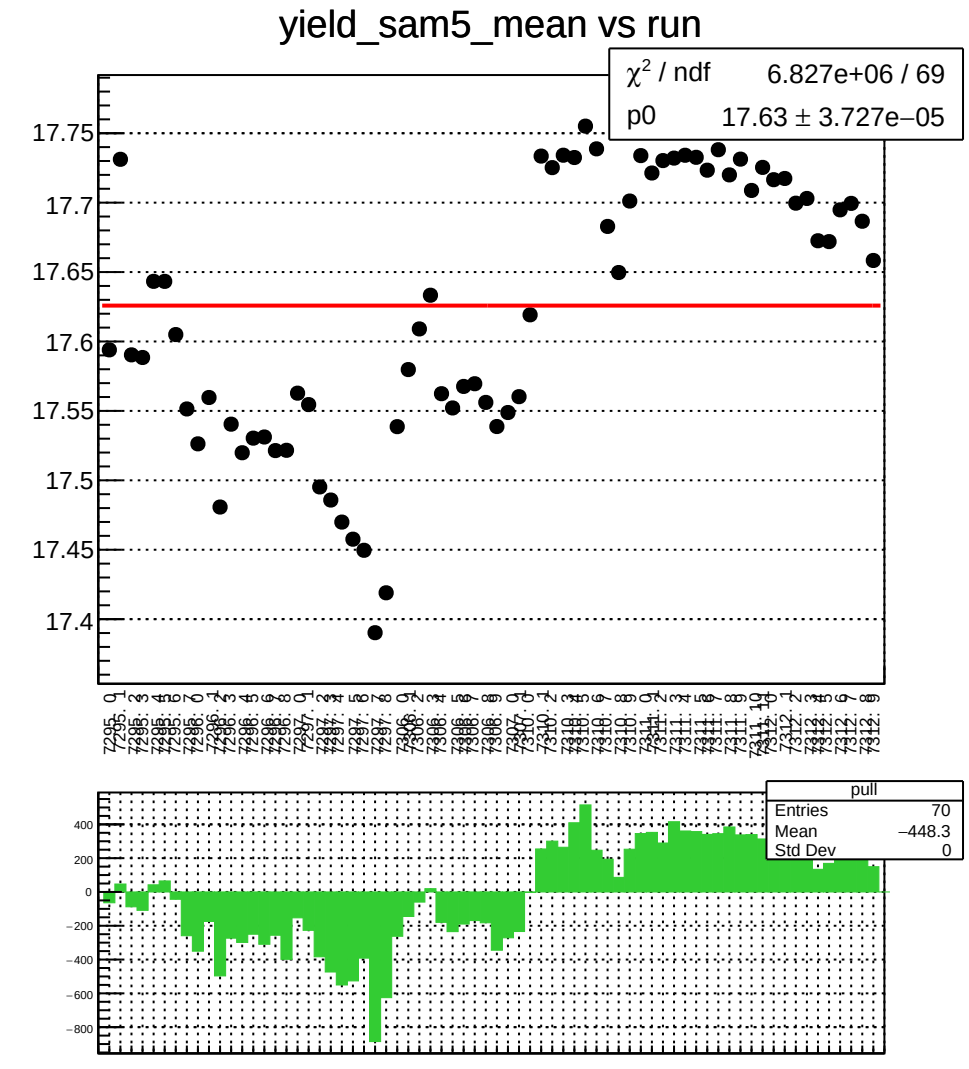

pull1D
Entries 70
Mean −1.512
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

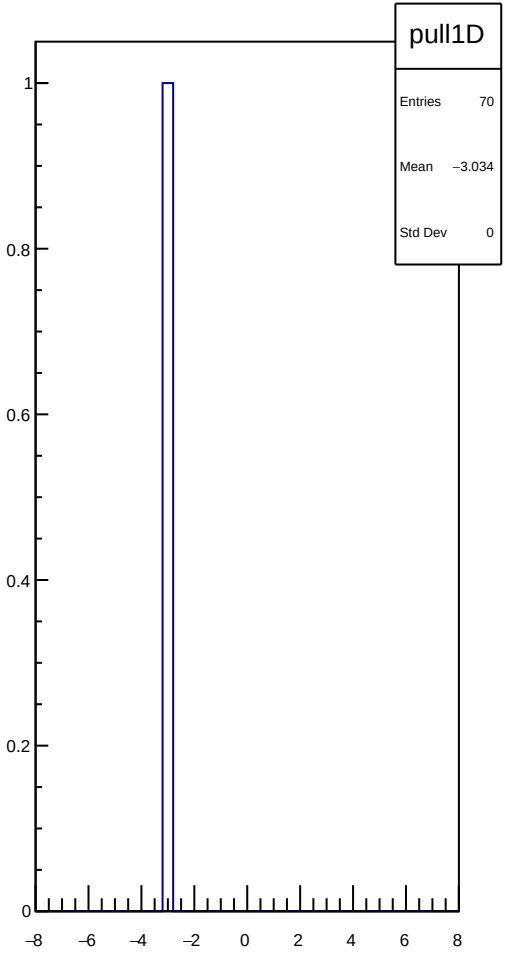

yield_sam3_rms vs run
χ² / ndf 2.821e+05 / 69
p0 0.04738 ± 4.653e−05
0.3
0.25
0.2
0.15
0.1
0.05

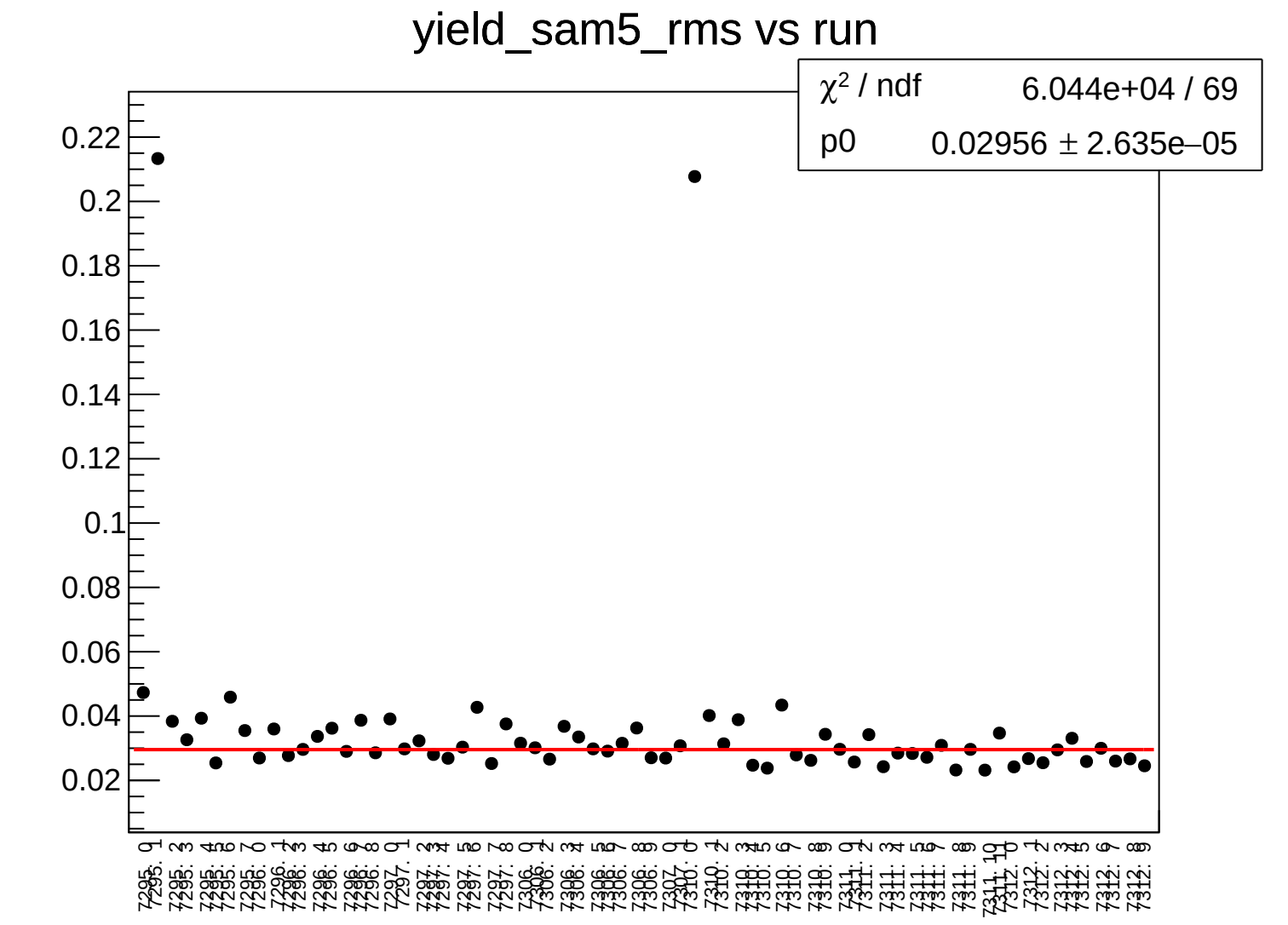

yield_sam4_mean vs run
χ² / ndf 1.253e+07 / 69
p0 16.13 ± 8.032e−05
16.4
16.2
16
15.8
15.6
15.4
pull
Entries 70
Mean −71.1
Std Dev 0
500
0
−500
−1000
−1500

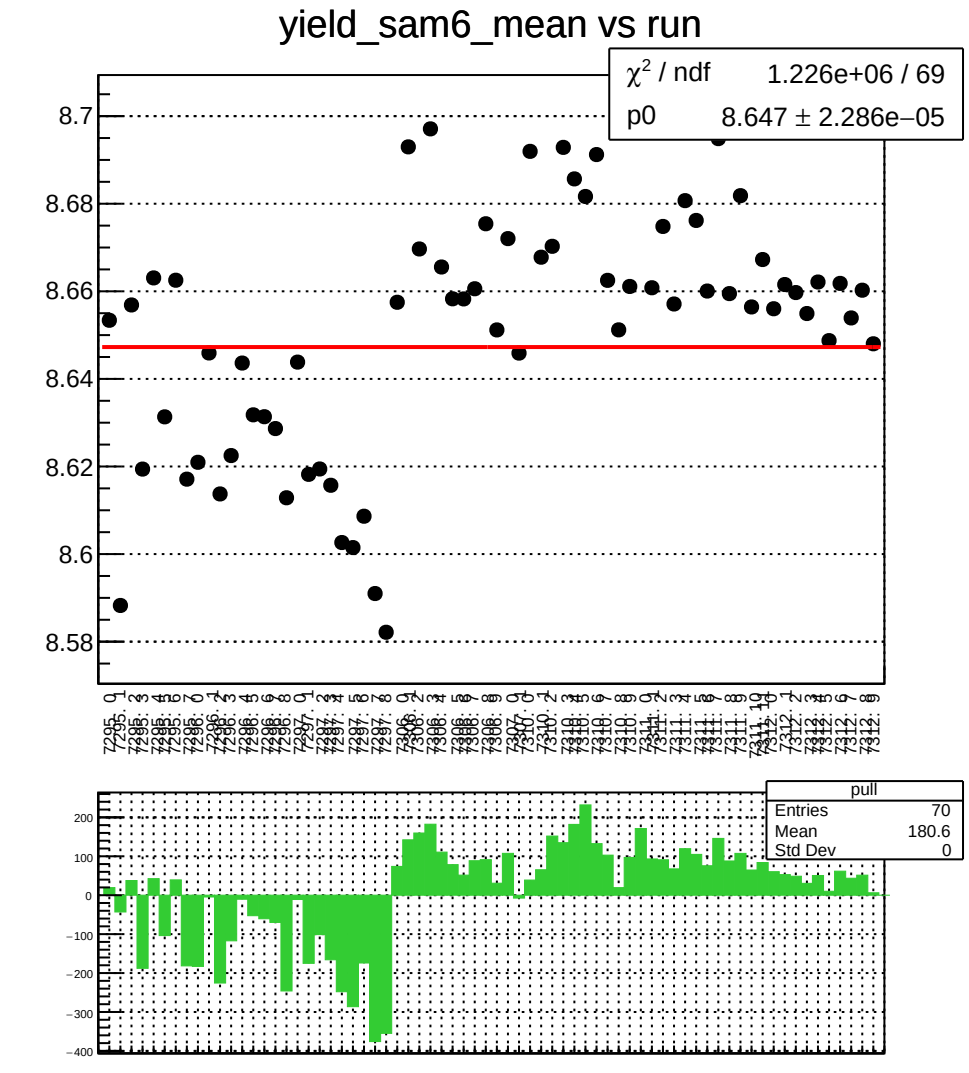

pull1D
Entries 70
Mean 1.548
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

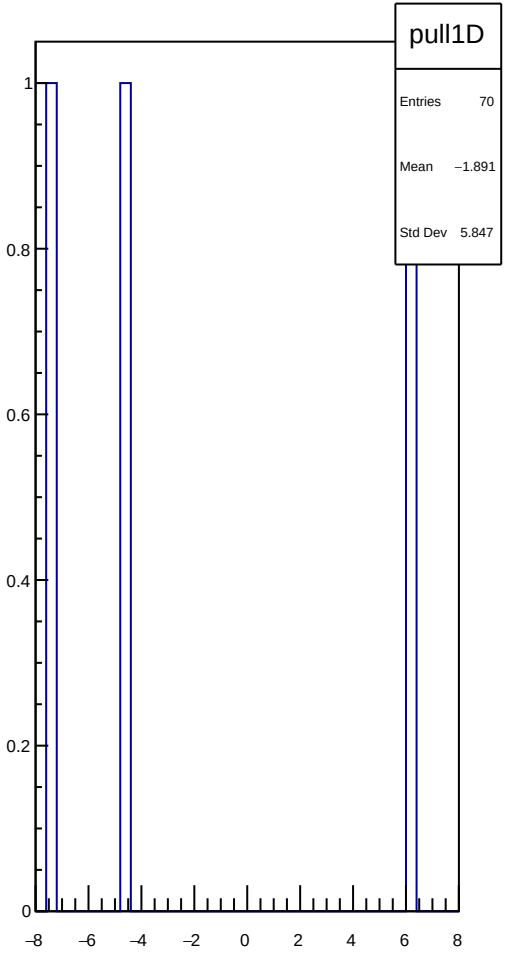

yield_sam4_rms vs run
χ² / ndf 1.684e+05 / 69
p0 0.06092 ± 5.68e−05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

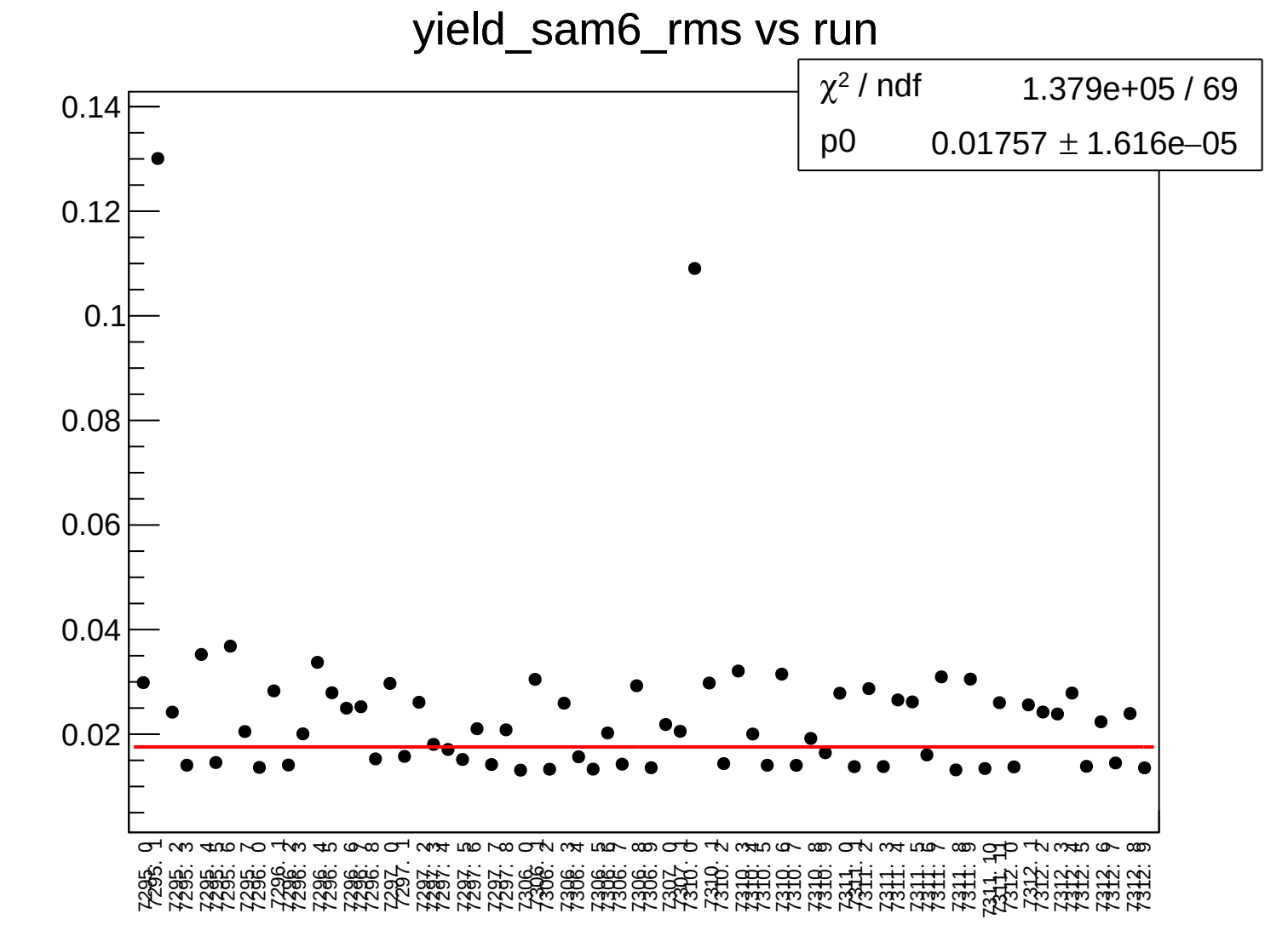

yield_sam5_mean vs run
χ² / ndf 6.827e+06 / 69
p0 17.63 ± 3.727e−05
17.75
17.7
17.65
17.6
17.55
17.5
17.45
17.4
pull
Entries 70
Mean −448.3
Std Dev 0
400
200
0
−200
−400
−600
−800

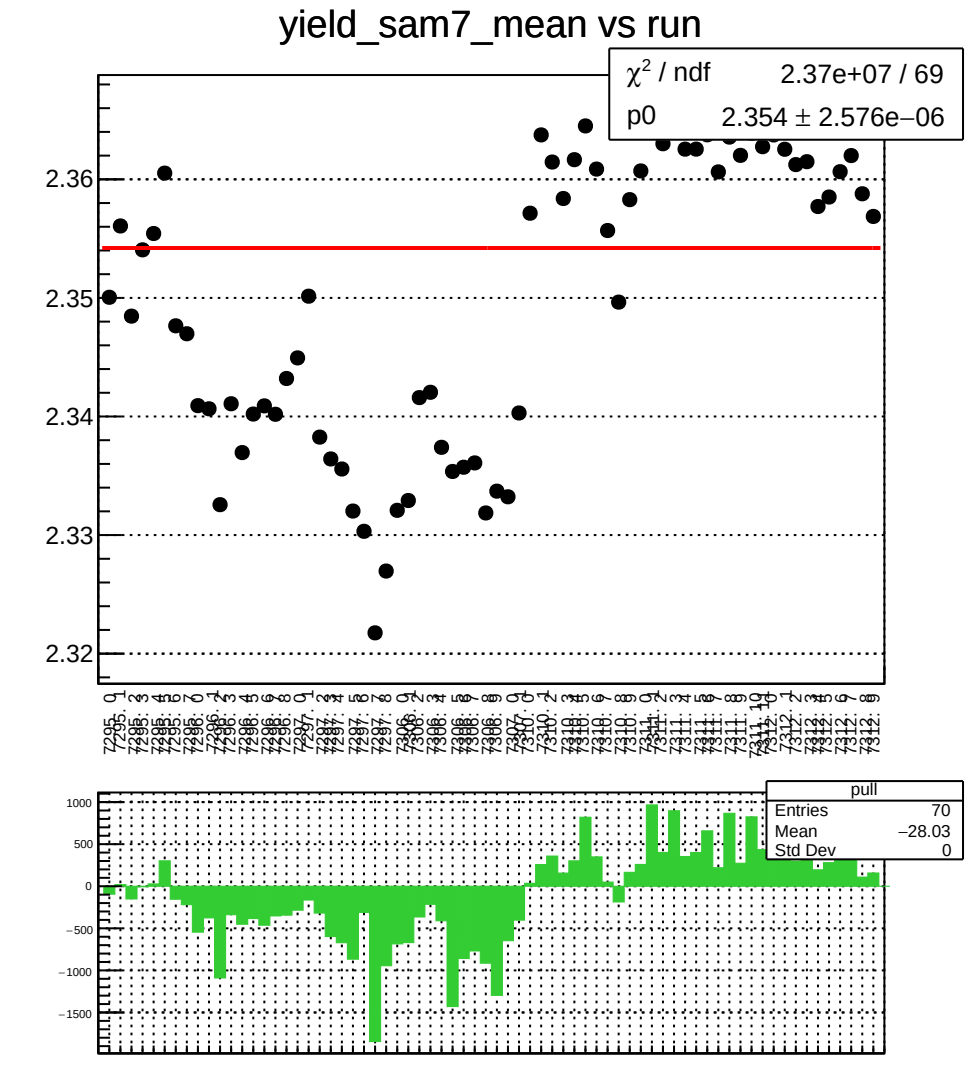

pull1D
Entries 70
Mean −3.034
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

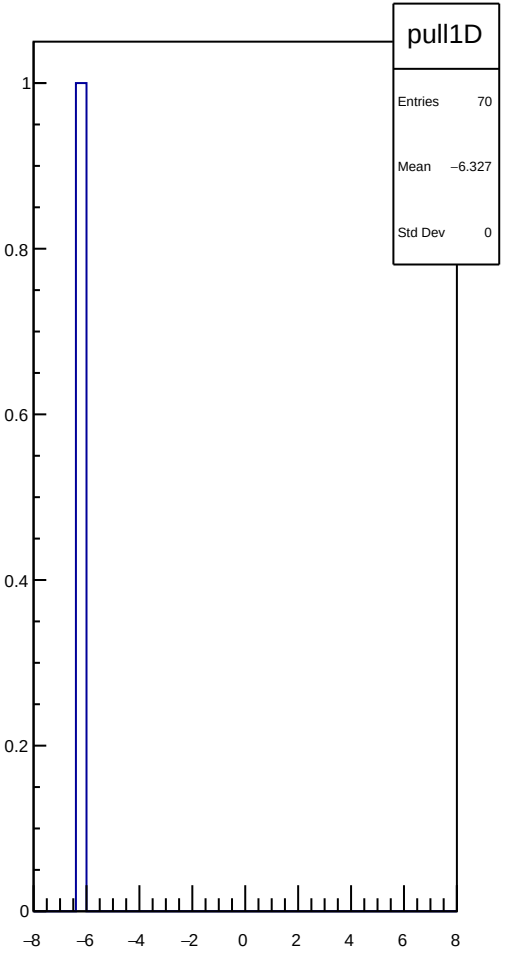

yield_sam5_rms vs run
χ² / ndf 6.044e+04 / 69
p0 0.02956 ± 2.635e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

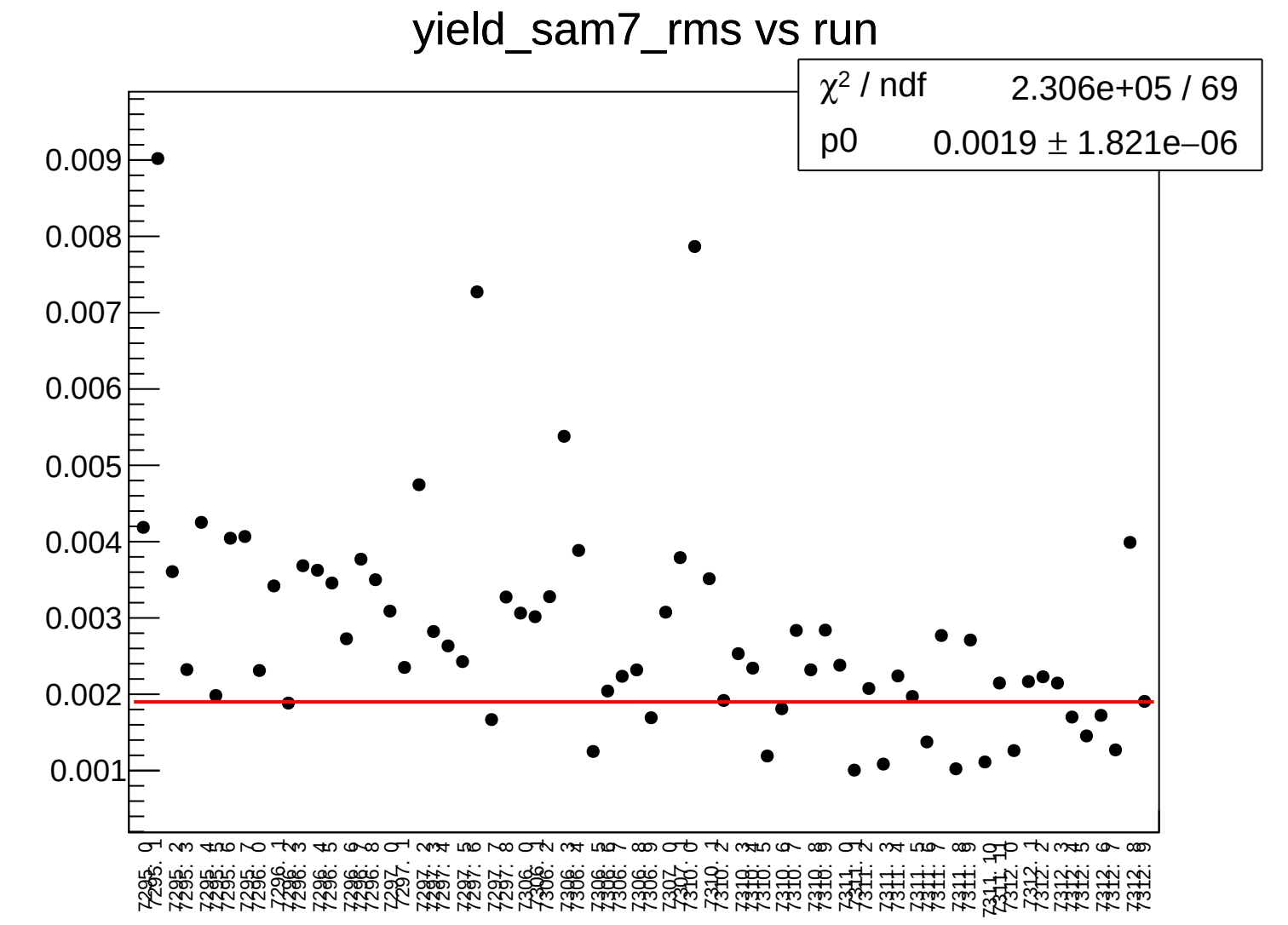

yield_sam6_mean vs run
χ² / ndf 1.226e+06 / 69
p0 8.647 ± 2.286e−05
8.7
8.68
8.66
8.64
8.62
8.6
8.58
pull
Entries 70
Mean 180.6
Std Dev 0
200
100
0
−100
−200
−300
−400

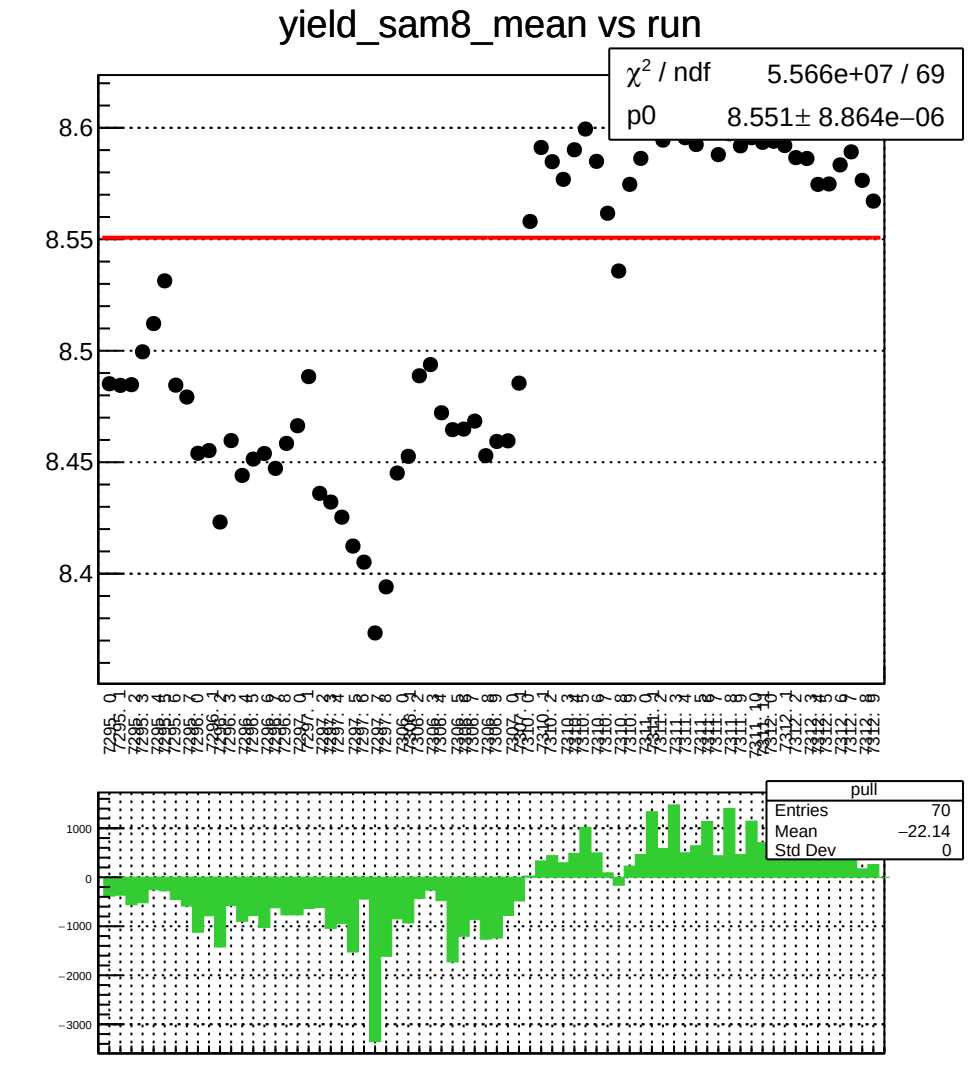

pull1D
Entries 70
Mean −1.891
Std Dev 5.847
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

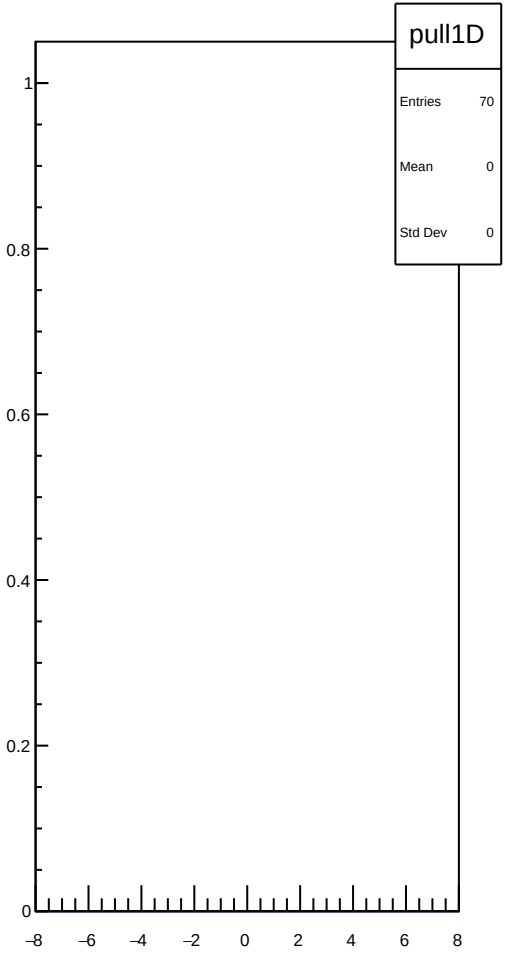

yield_sam6_rms vs run
χ² / ndf 1.379e+05 / 69
p0 0.01757 ± 1.616e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

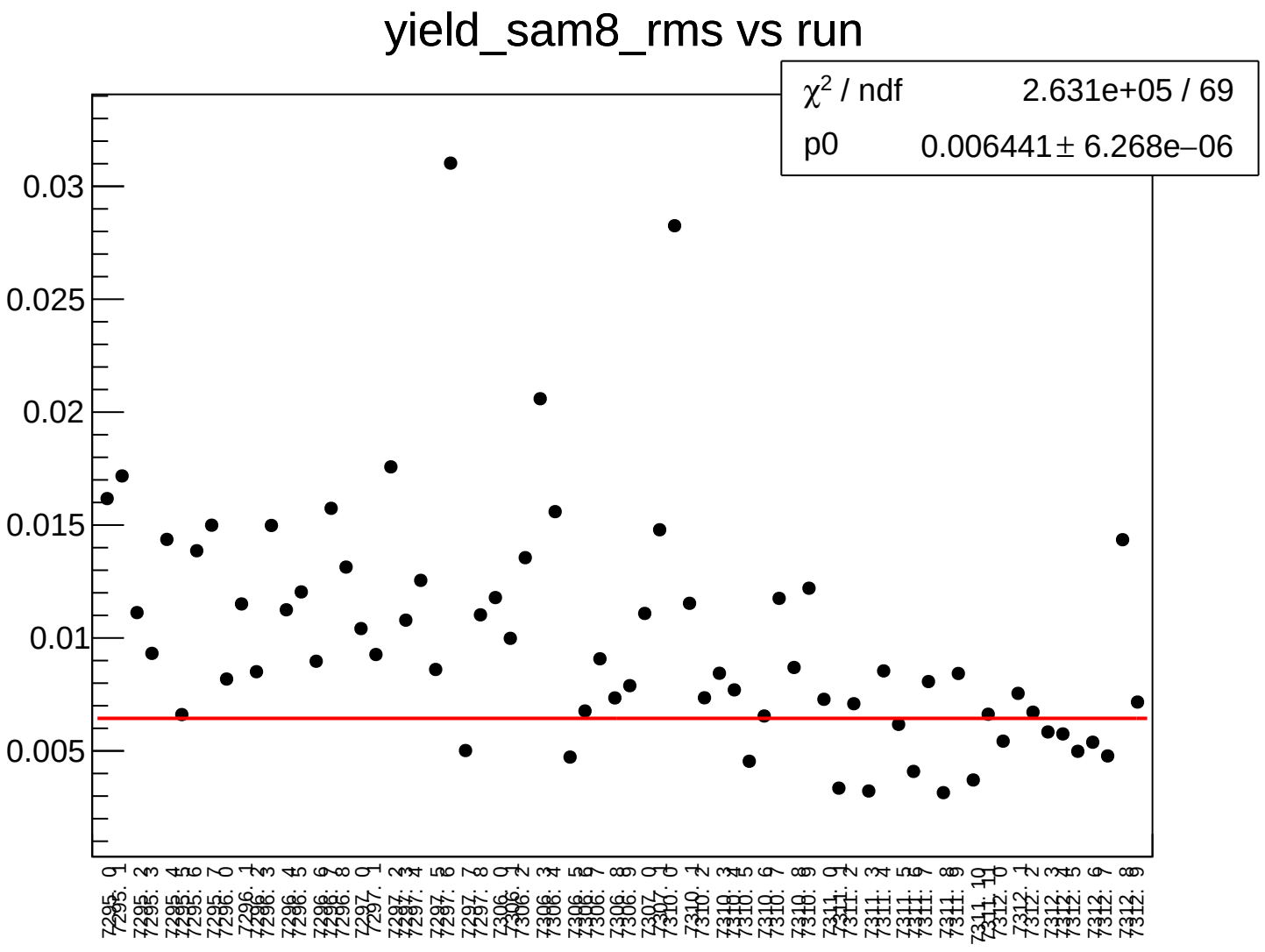

yield_sam7_mean vs run
χ² / ndf 2.37e+07 / 69
p0 2.354 ± 2.576e−06
2.36
2.35
2.34
2.33
2.32
pull
Entries 70
Mean −28.03
Std Dev 0
1000
500
0
−500
−1000
−1500

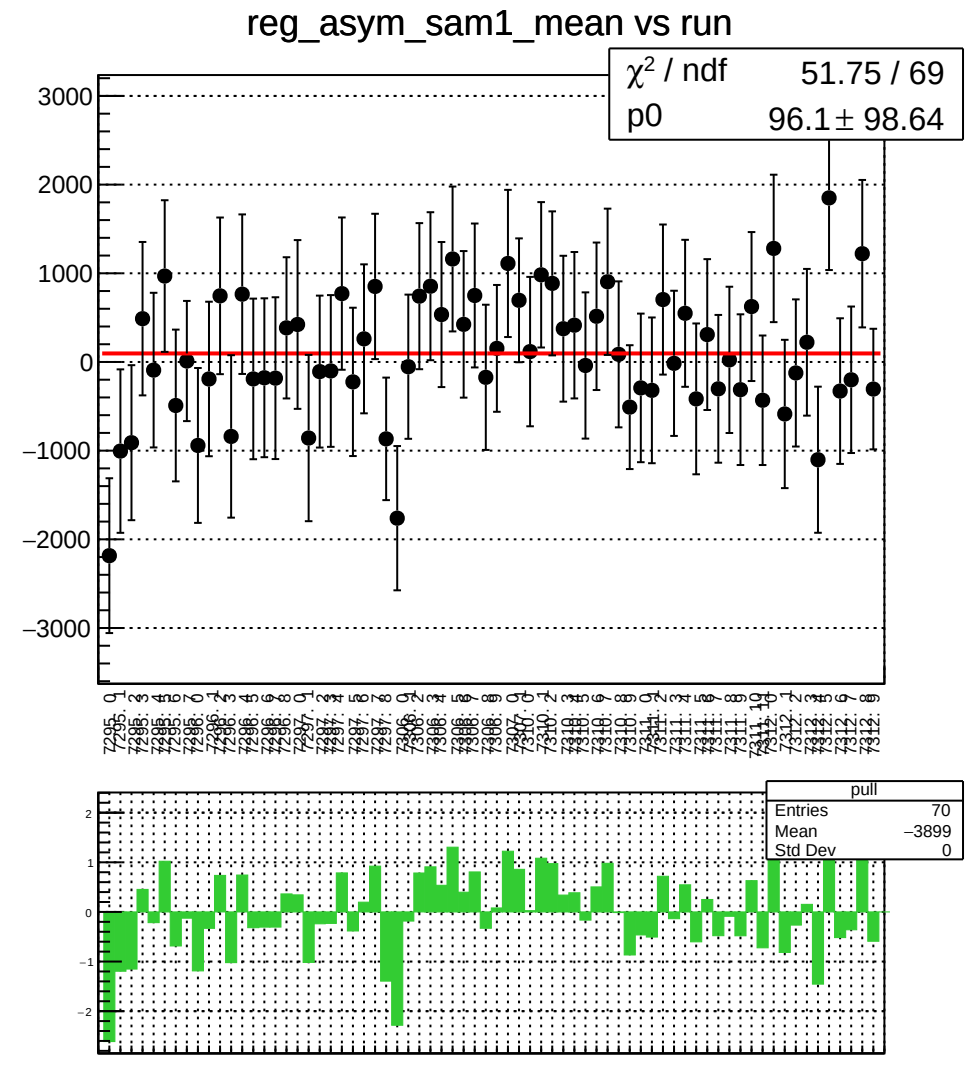

pull1D
Entries 70
Mean −6.327
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

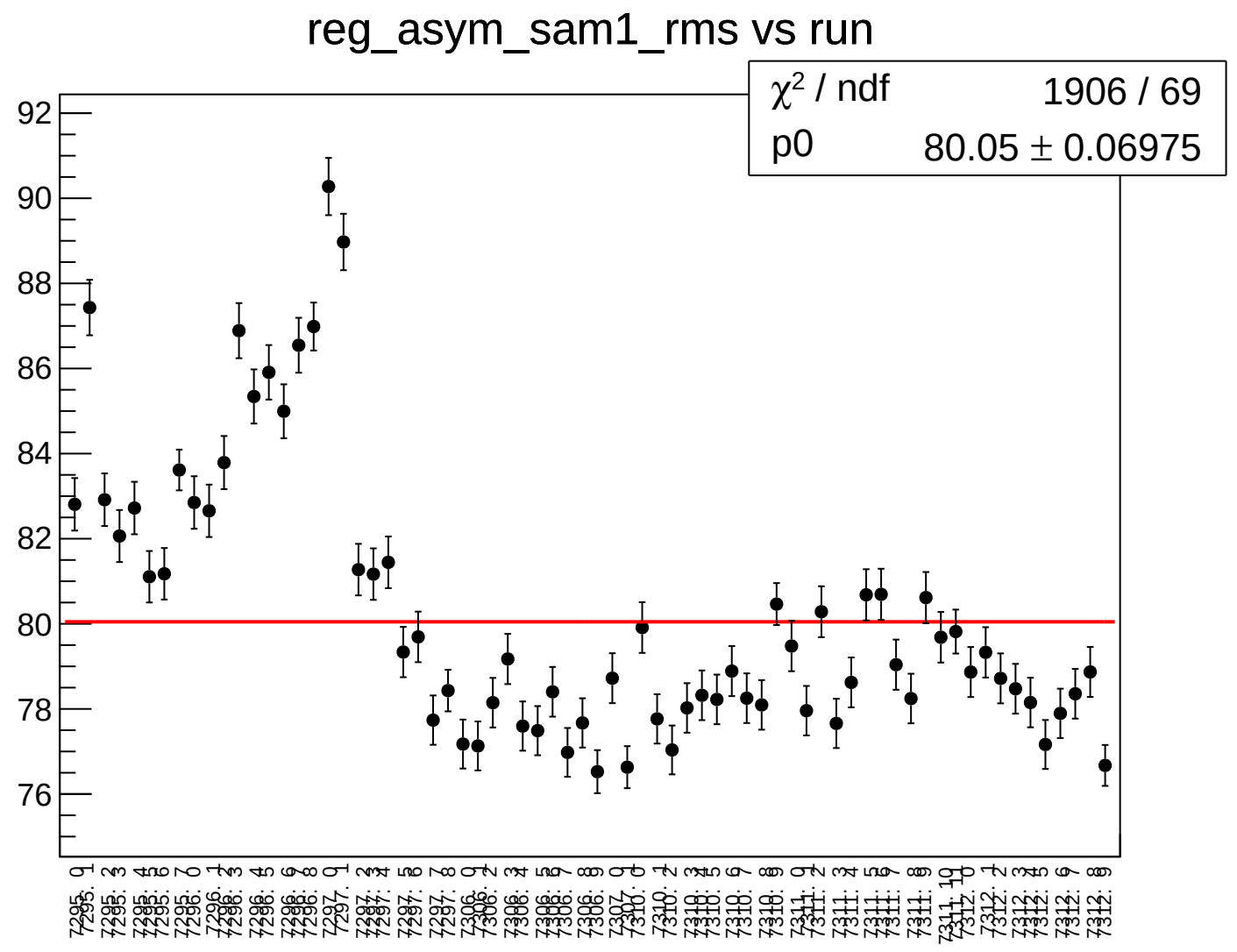

yield_sam7_rms vs run
χ² / ndf 2.306e+05 / 69
p0 0.0019 ± 1.821e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

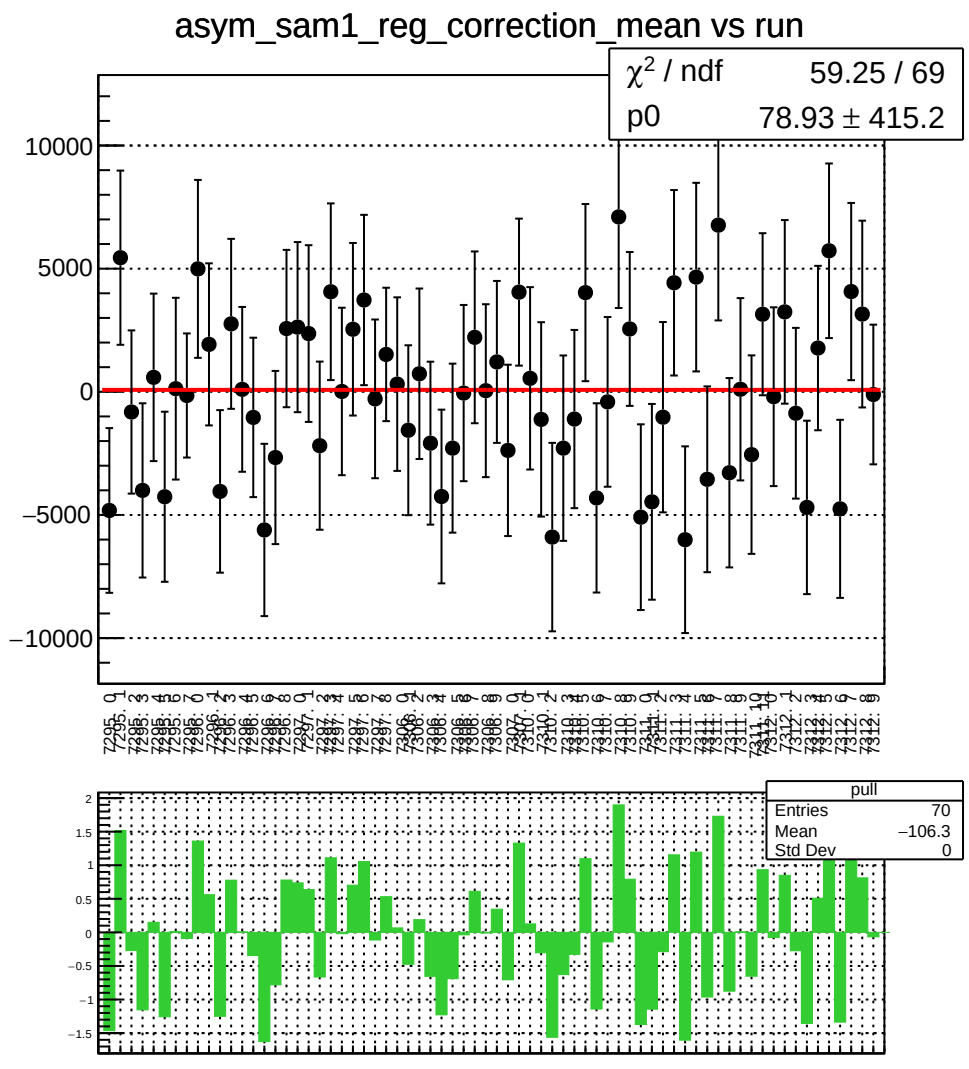

yield_sam8_mean vs run
χ² / ndf 5.566e+07 / 69
p0 8.551± 8.864e−06
8.6
8.55
8.5
8.45
8.4
pull
Entries 70
Mean −22.14
Std Dev 0
1000
0
−1000
−2000
−3000

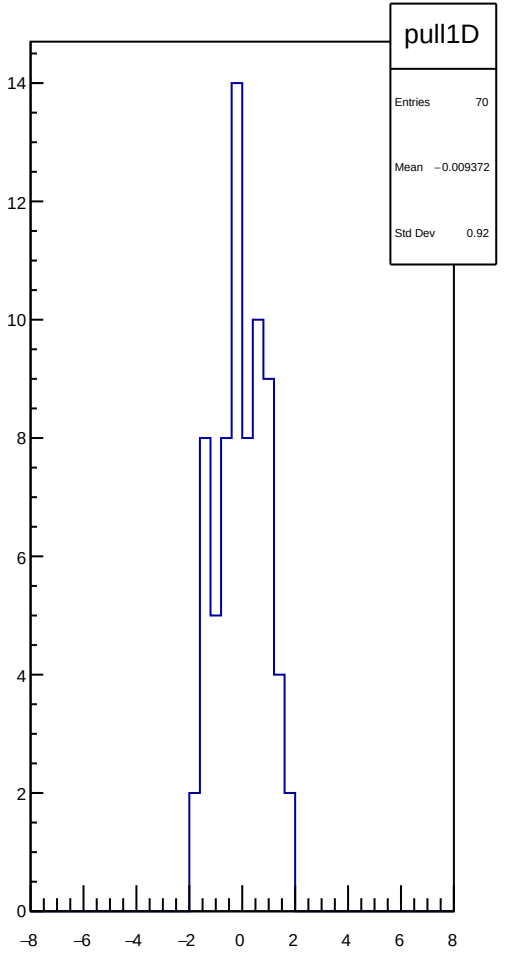

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

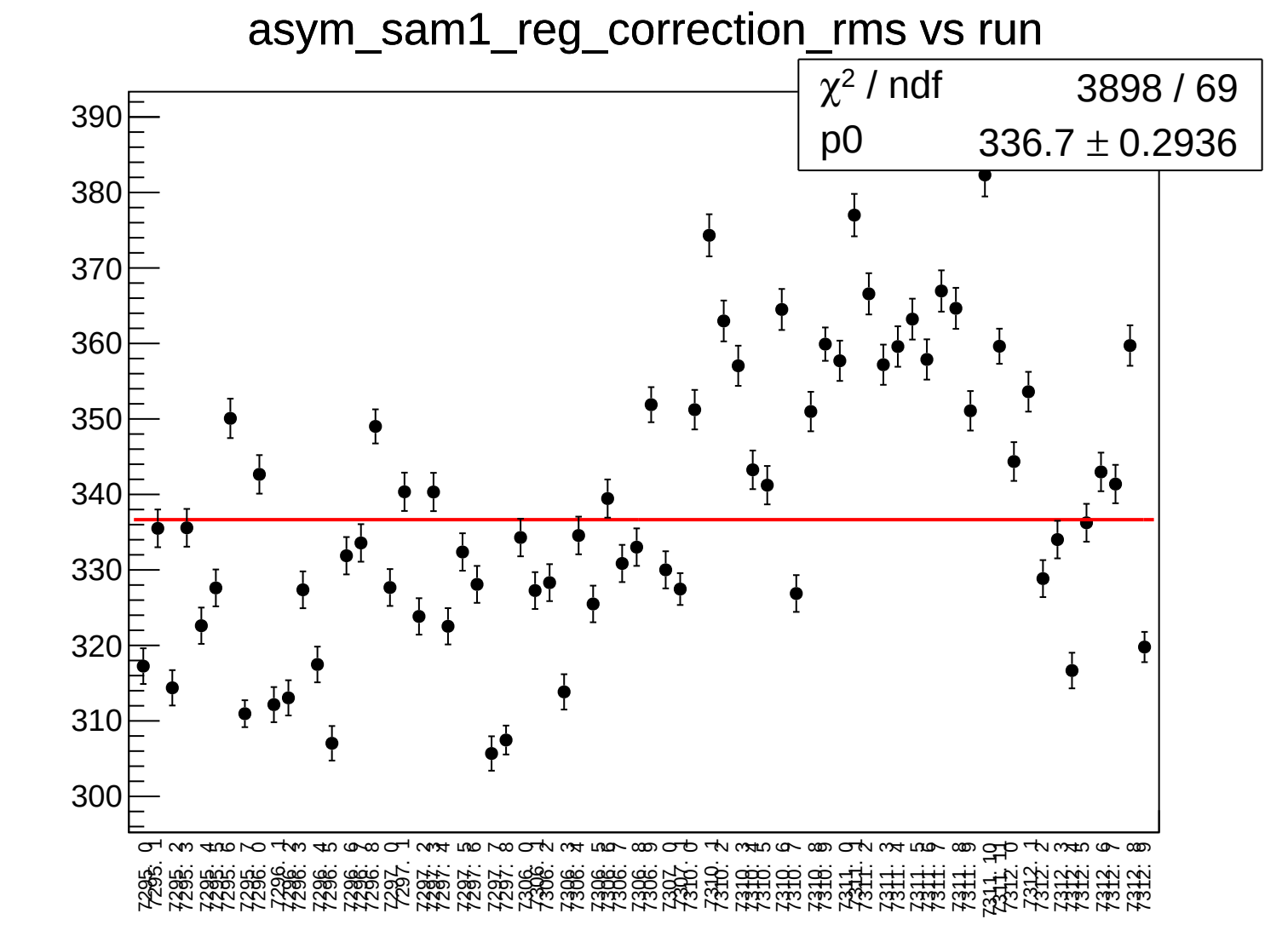

yield_sam8_rms vs run
χ² / ndf 2.631e+05 / 69
p0 0.006441 ± 6.268e−06
0.03
0.025
0.02
0.015
0.01
0.005

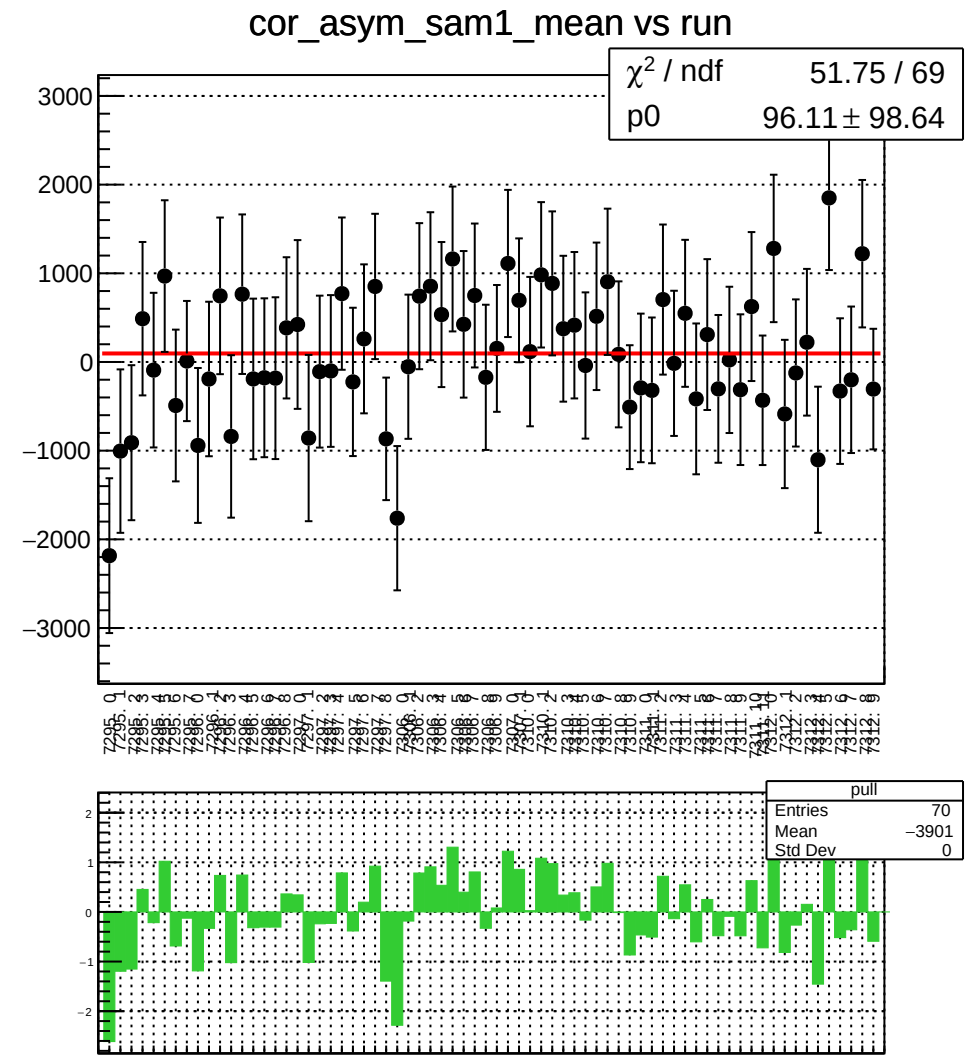

reg_asym_sam1_mean vs run
χ² / ndf 51.75 / 69
p0 96.1 ± 98.64
pull
Entries 70
Mean −3899
Std Dev 0
pull1D
Entries 70
Mean −0.0008575
Std Dev 0.8598

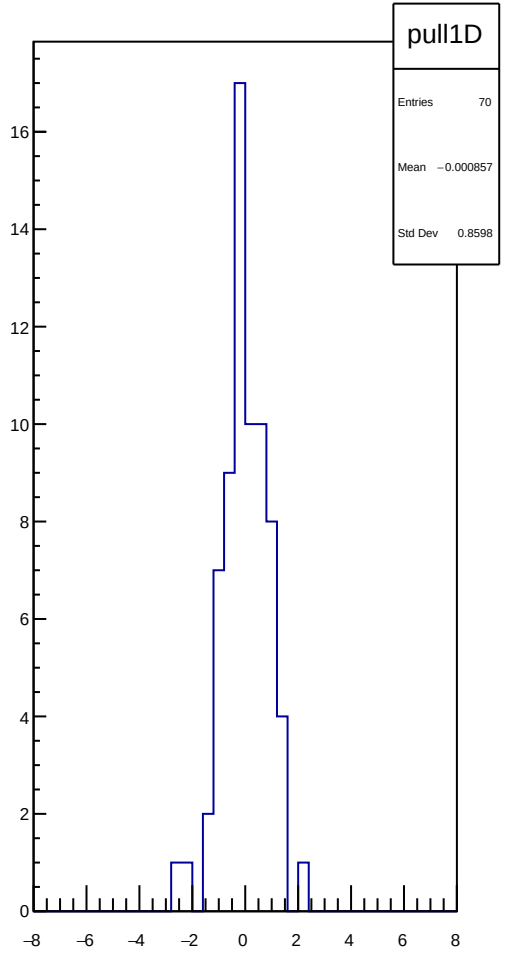

reg_asym_sam1_rms vs run
χ² / ndf 1906 / 69
p0 80.05 ± 0.06975
92
90
88
86
84
82
80
78
76

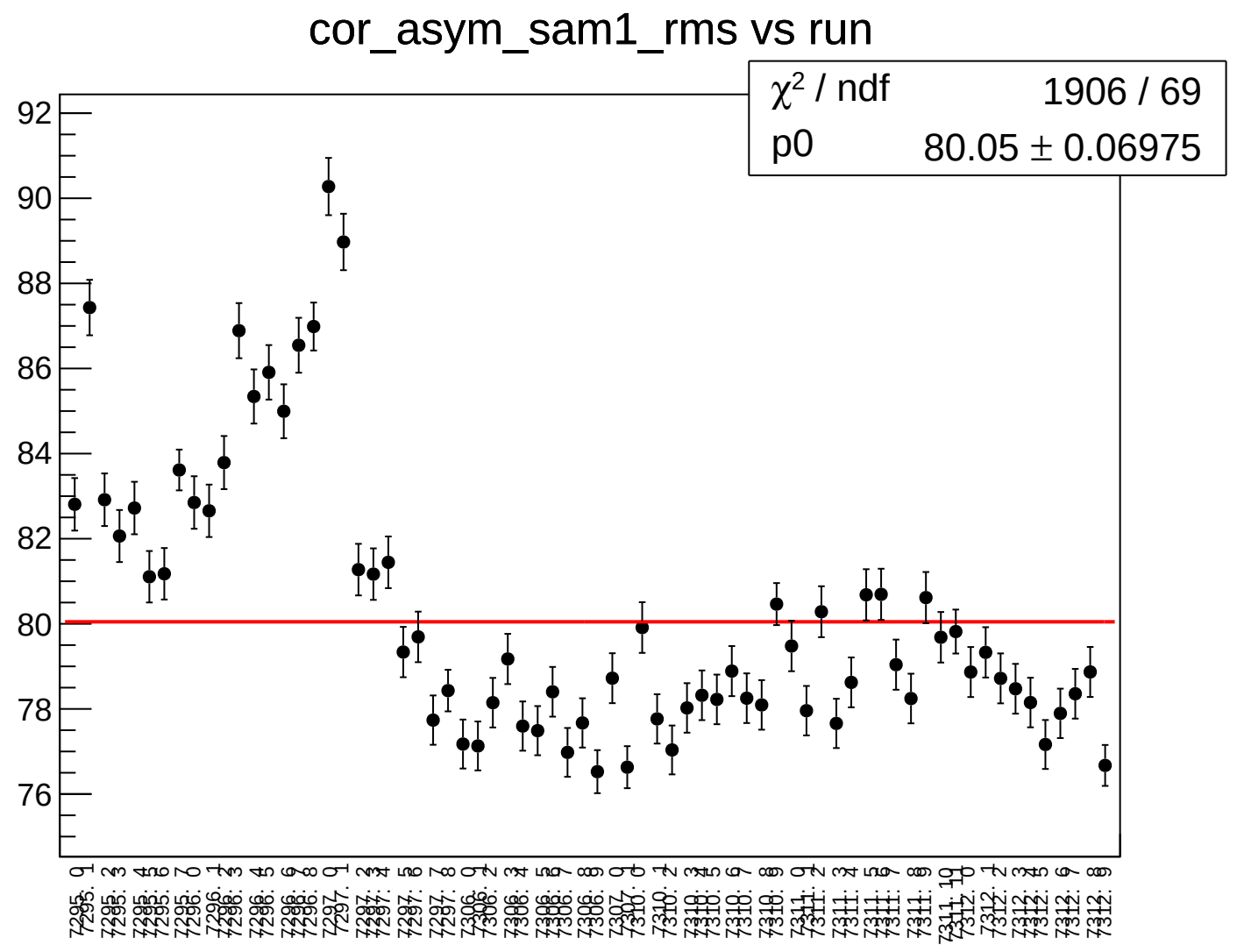

asym_sam1_reg_correction_mean vs run
χ² / ndf 59.25 / 69
p0 78.93 ± 415.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −106.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

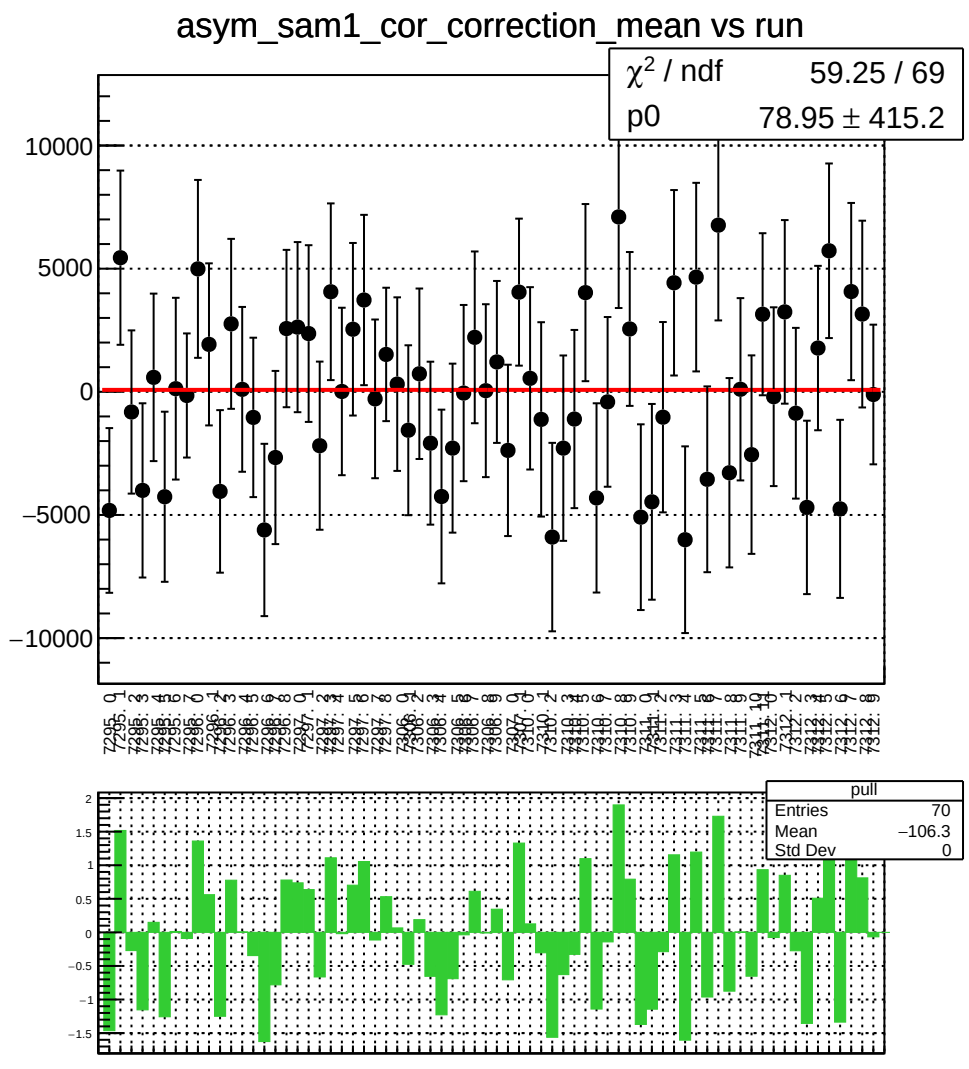

pull1D
Entries 70
Mean −0.009372
Std Dev 0.92
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

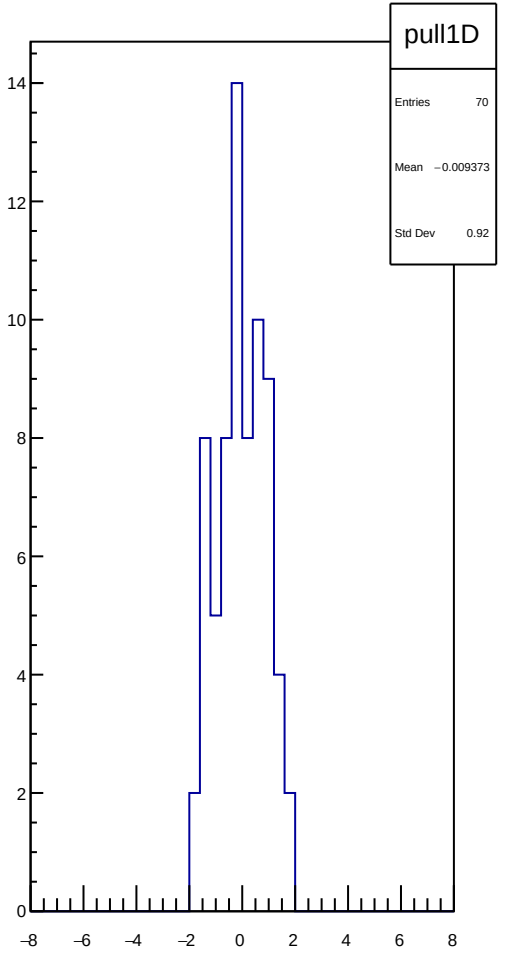

asym_sam1_reg_correction_rms vs run
χ² / ndf 3898 / 69
p0 336.7 ± 0.2936
390
380
370
360
350
340
330
320
310
300

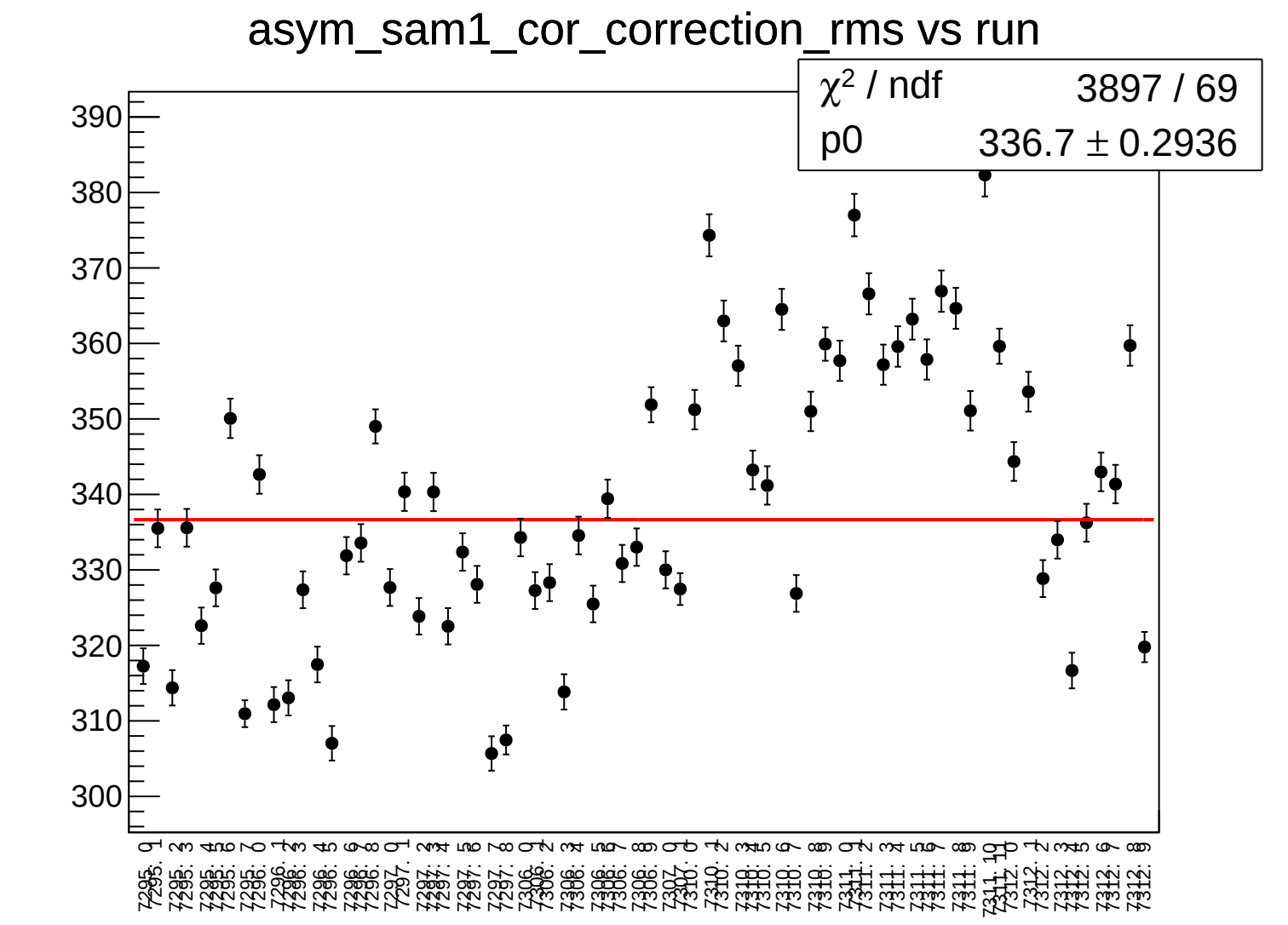

cor_asym_sam1_mean vs run
χ² / ndf 51.75 / 69
p0 96.11 ± 98.64
pull
Entries 70
Mean −3901
Std Dev 0

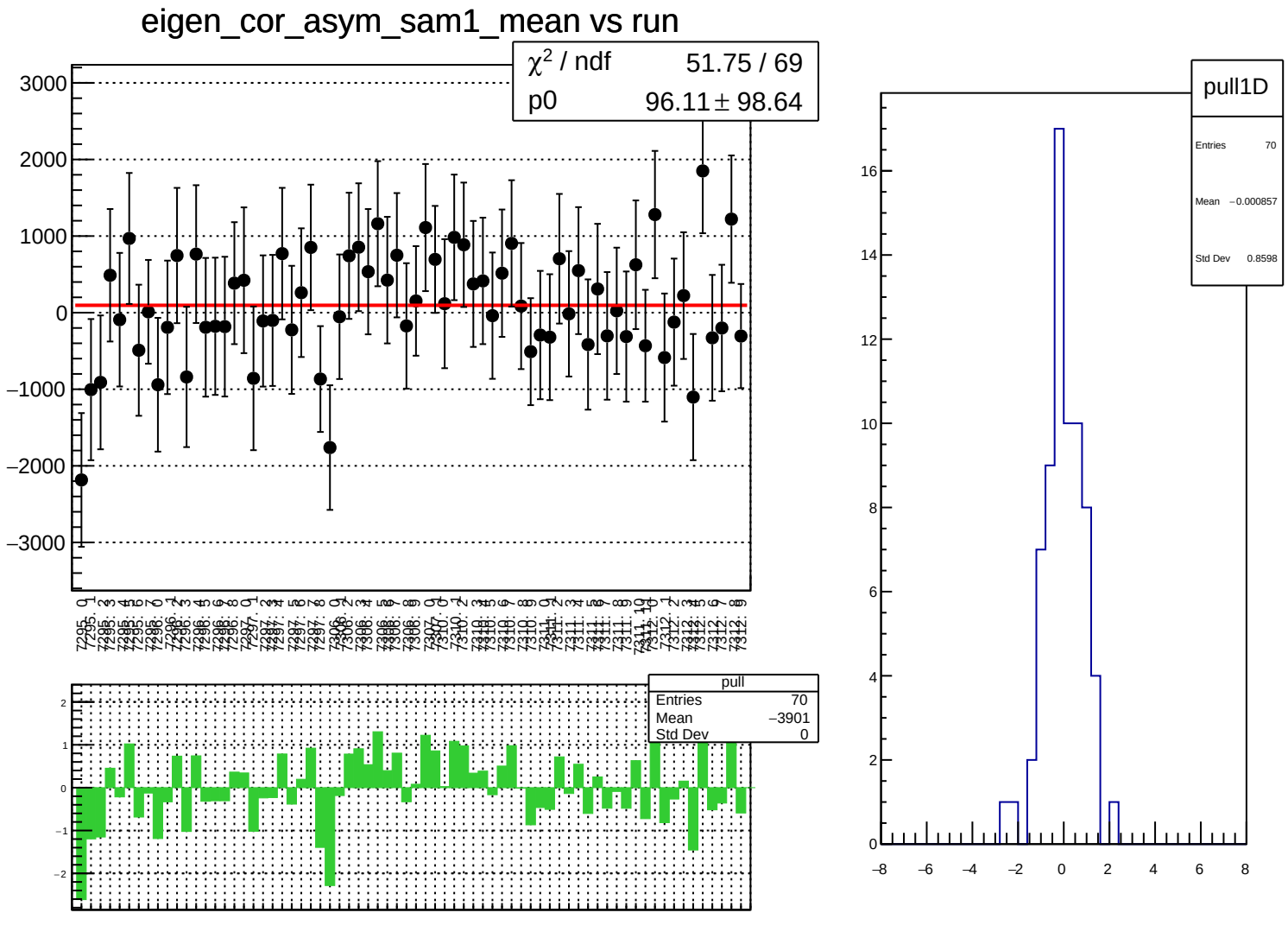

pull1D
Entries 70
Mean −0.000857
Std Dev 0.8598

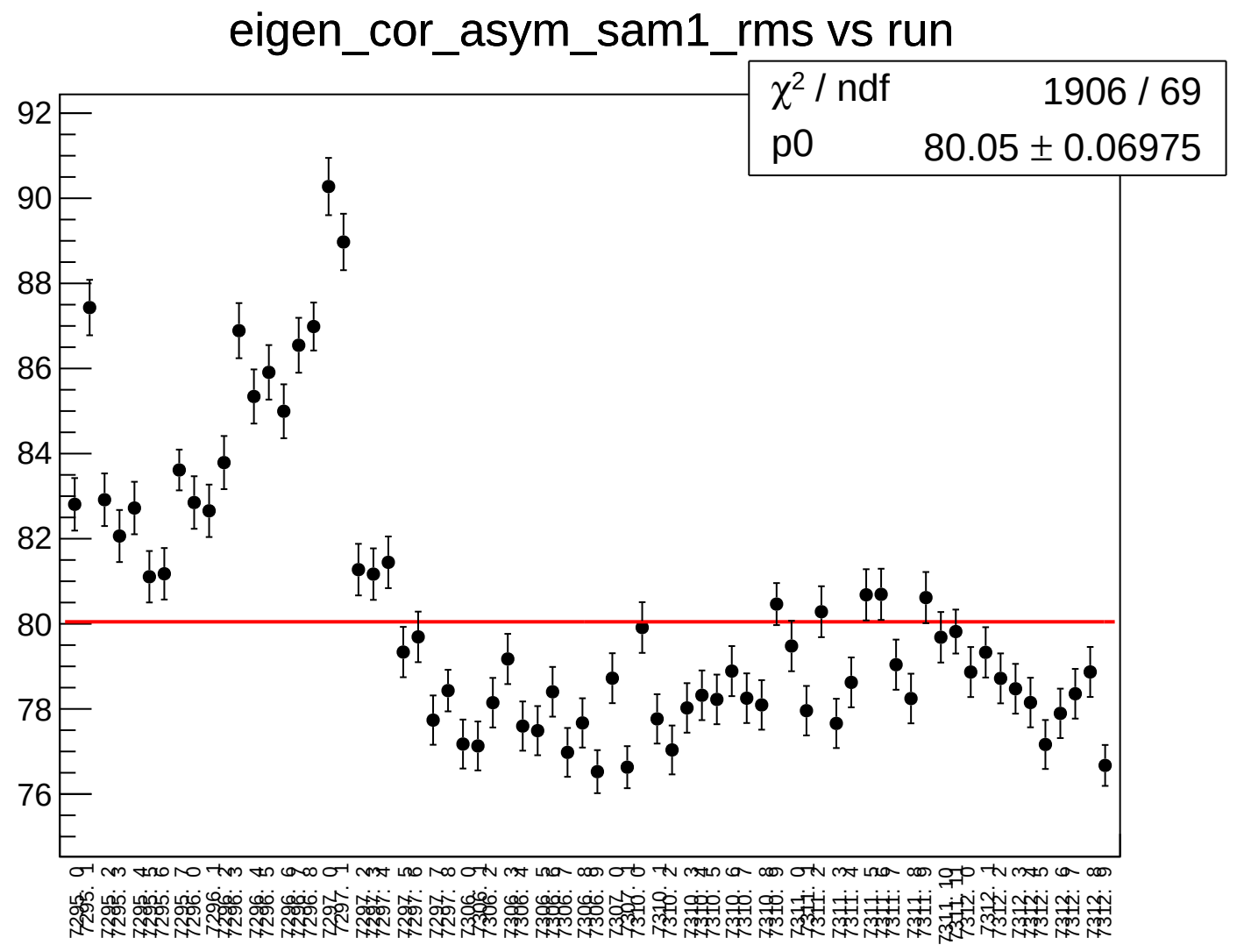

cor_asym_sam1_rms vs run
χ² / ndf 1906 / 69
p0 80.05 ± 0.06975
92
90
88
86
84
82
80
78
76

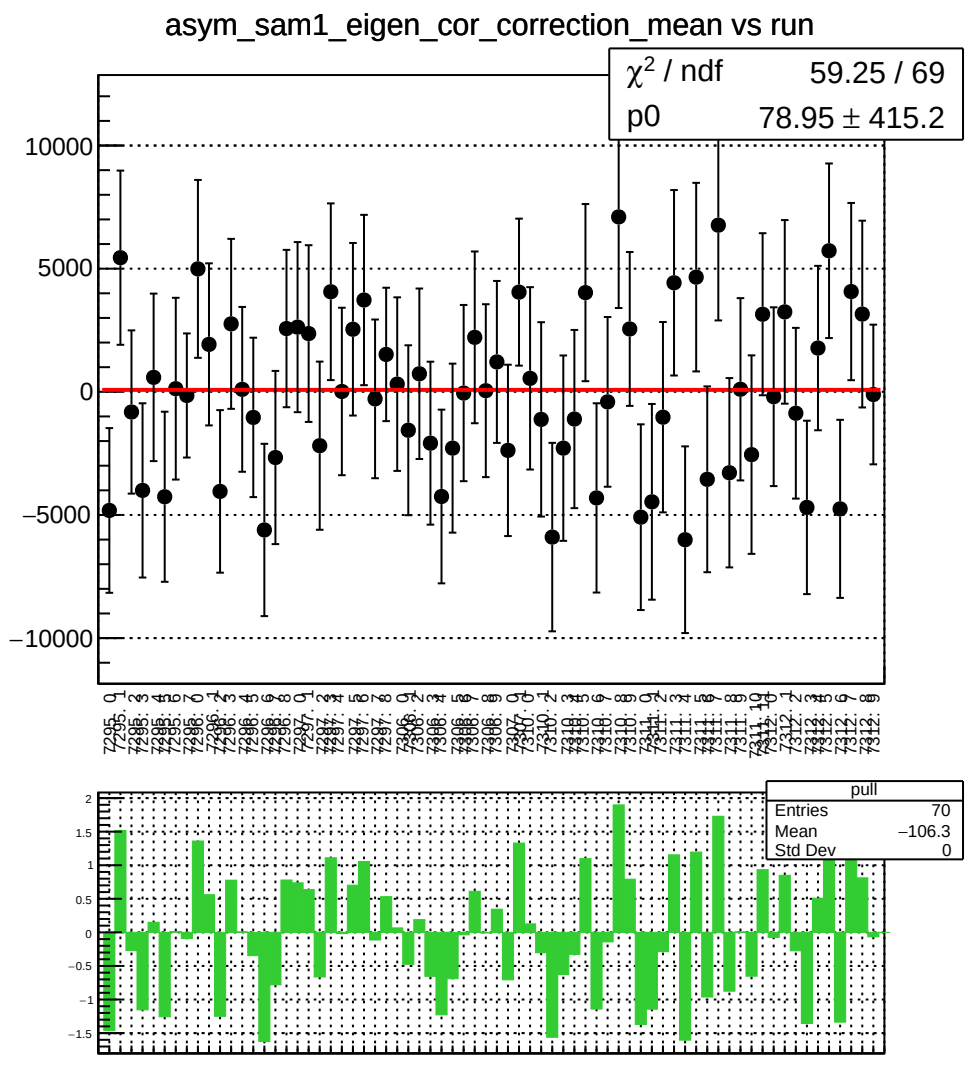

asym_sam1_cor_correction_mean vs run
χ² / ndf 59.25 / 69
p0 78.95 ± 415.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −106.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

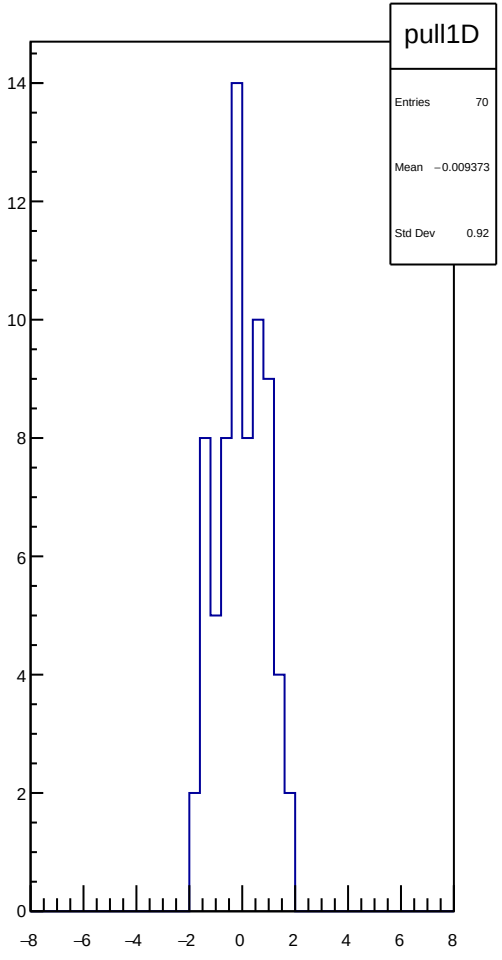

pull1D
Entries 70
Mean −0.009373
Std Dev 0.92
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

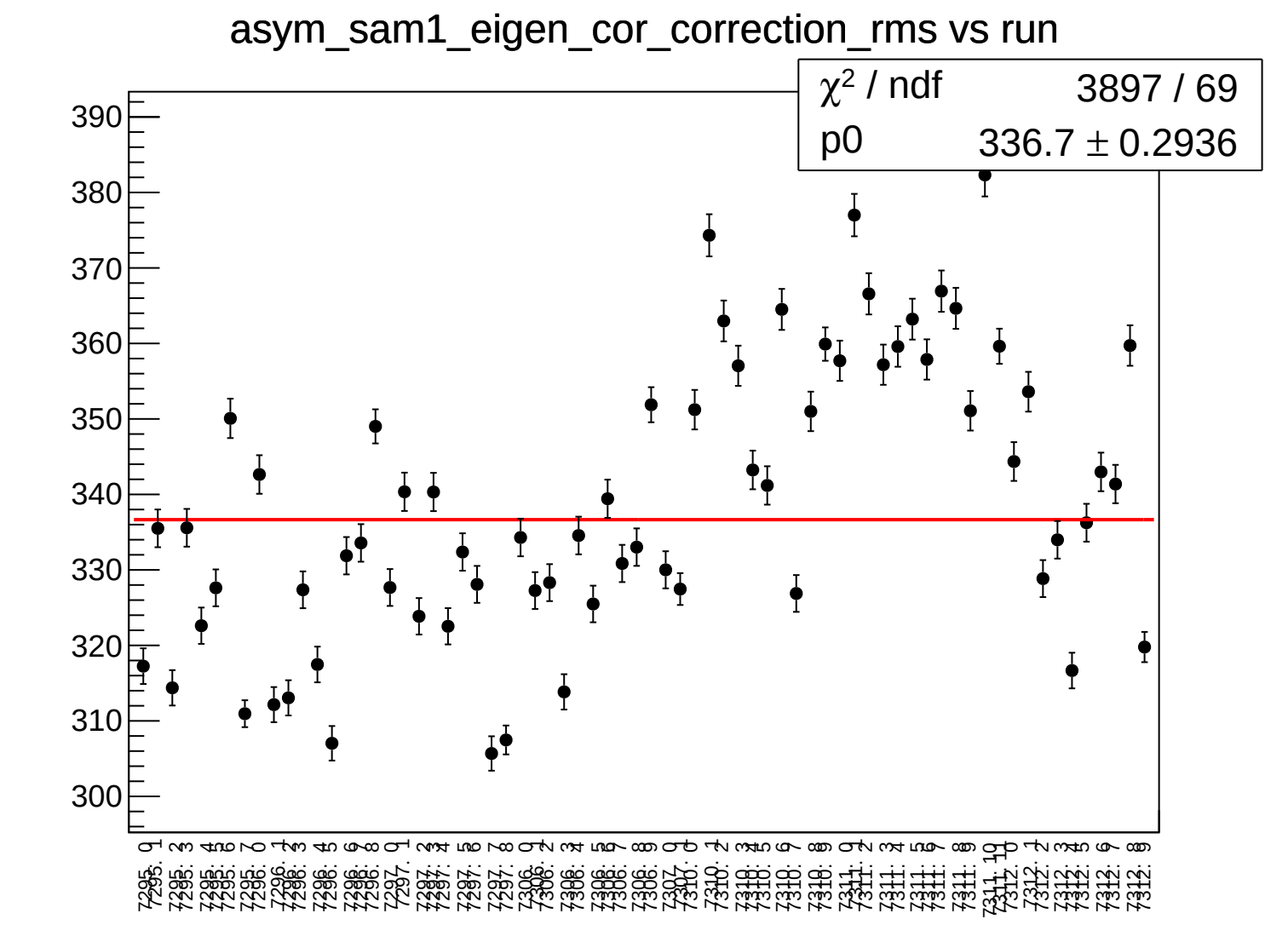

asym_sam1_cor_correction_rms vs run
χ² / ndf 3897 / 69
p0 336.7 ± 0.2936
390
380
370
360
350
340
330
320
310
300

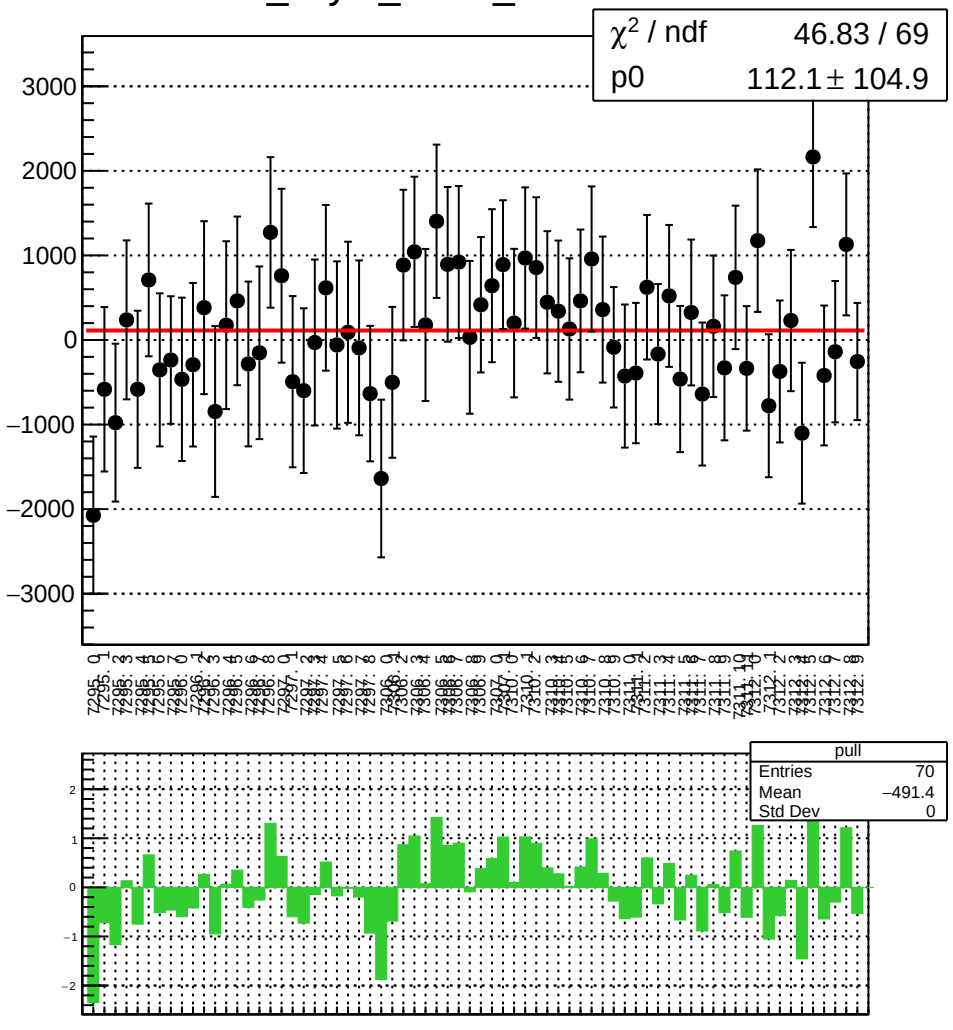

eigen_cor_asym_sam1_mean vs run
χ² / ndf 51.75 / 69
p0 96.11 ± 98.64
pull
Entries 70
Mean −3901
Std Dev 0
pull1D
Entries 70
Mean −0.000857
Std Dev 0.8598

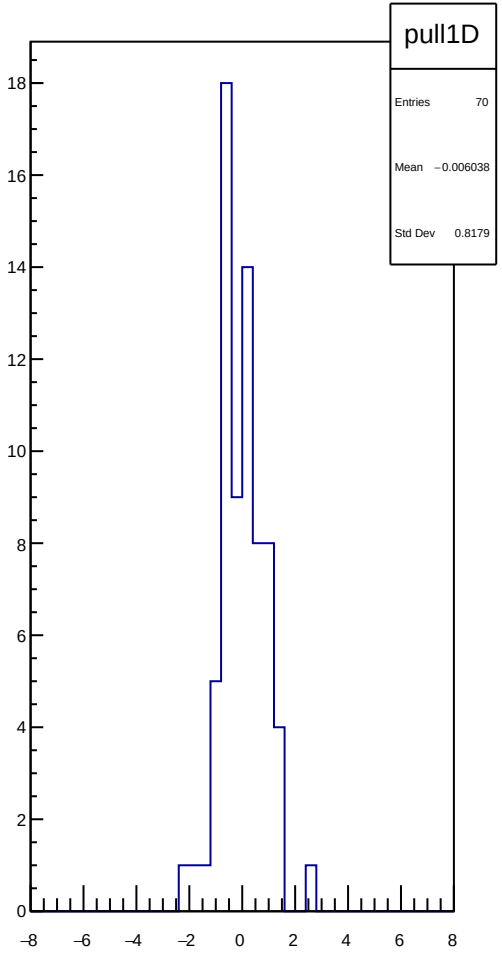

eigen_cor_asym_sam1_rms vs run
χ² / ndf 1906 / 69
p0 80.05 ± 0.06975
92
90
88
86
84
82
80
78
76

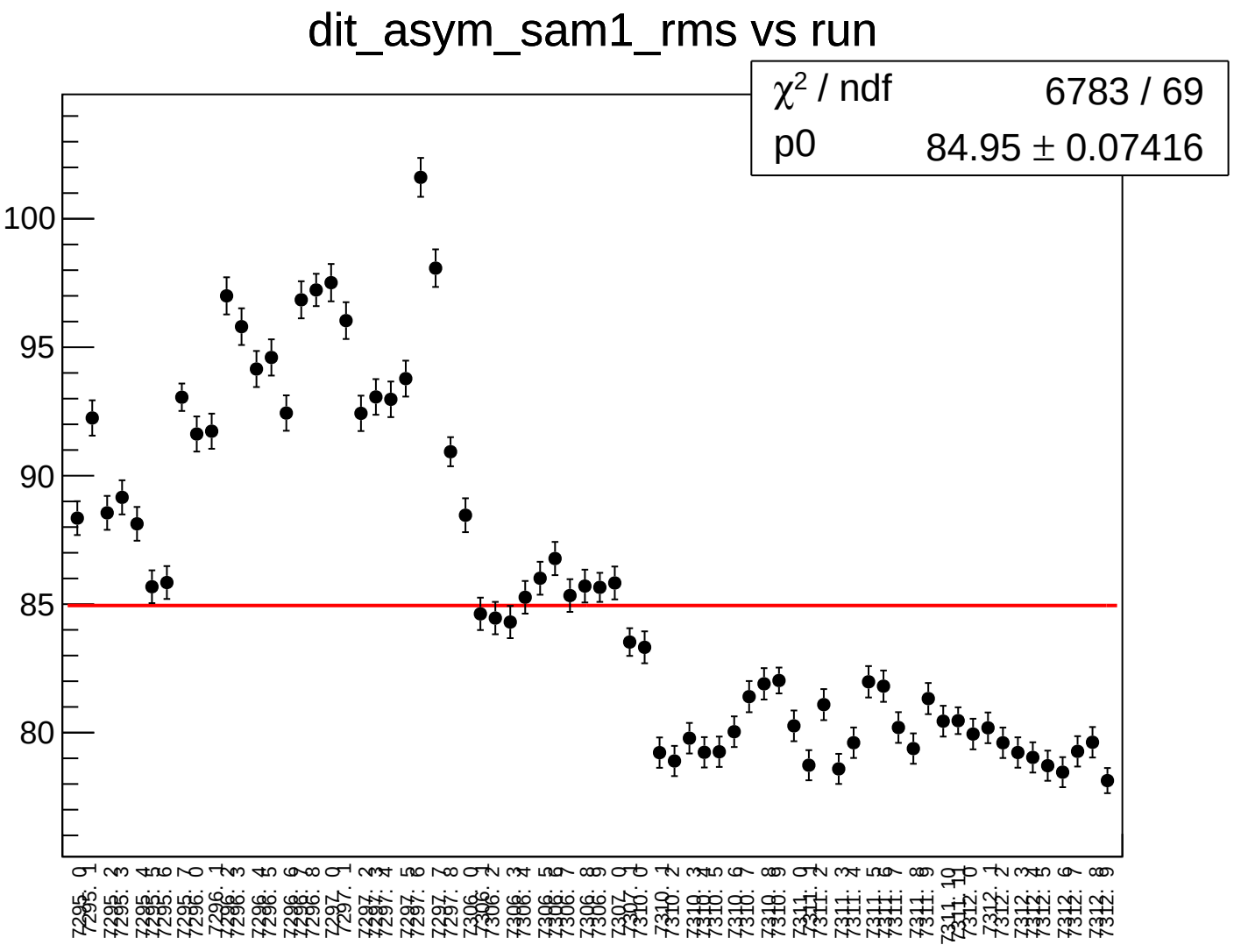

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 59.25 / 69
p0 78.95 ± 415.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −106.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

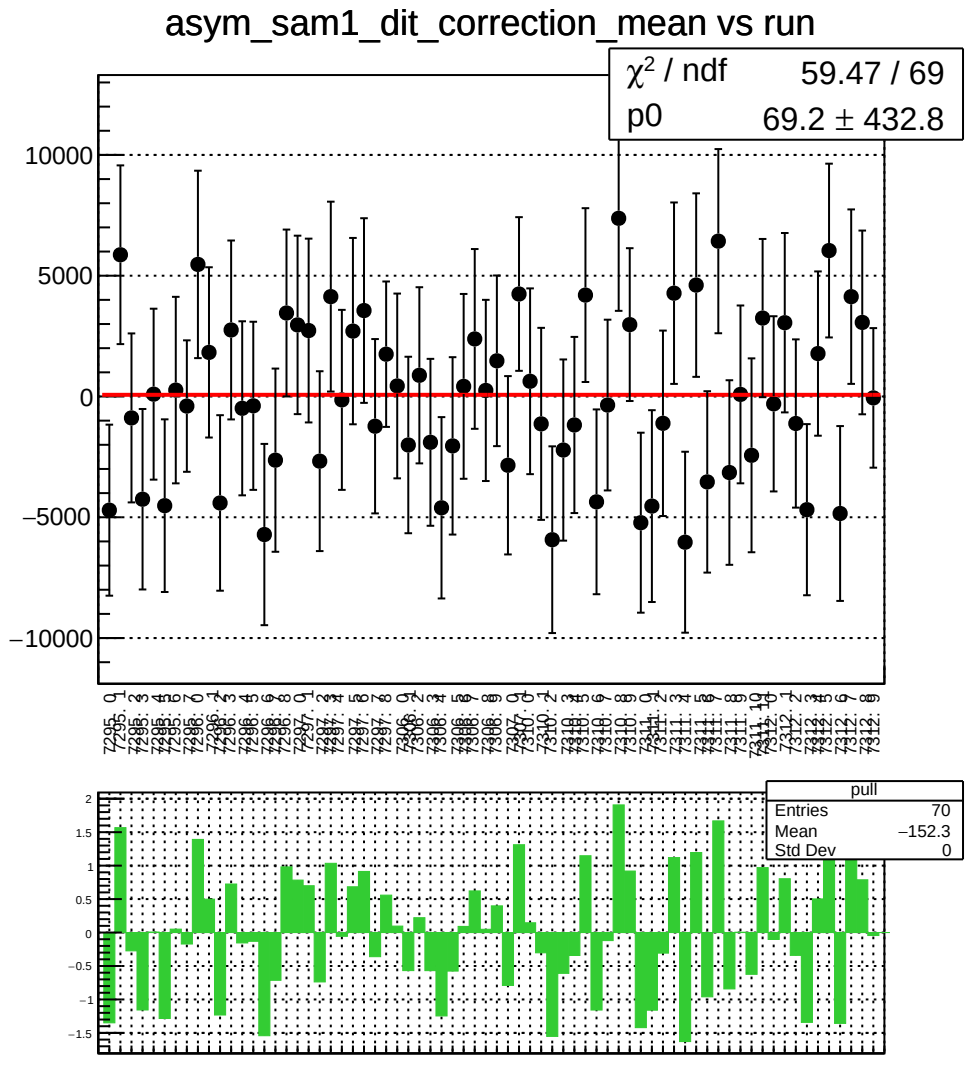

pull1D
Entries 70
Mean −0.009373
Std Dev 0.92
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

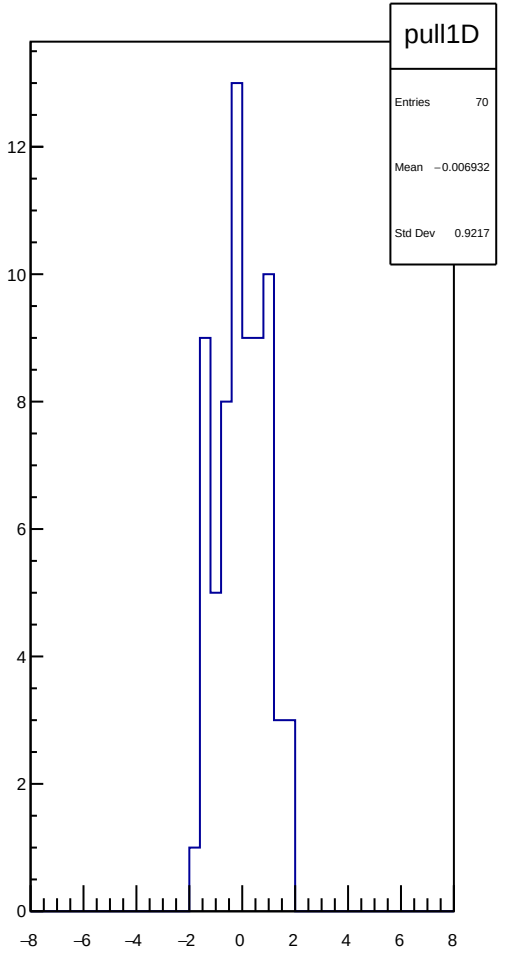

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 3897 / 69
p0 336.7 ± 0.2936
390
380
370
360
350
340
330
320
310
300

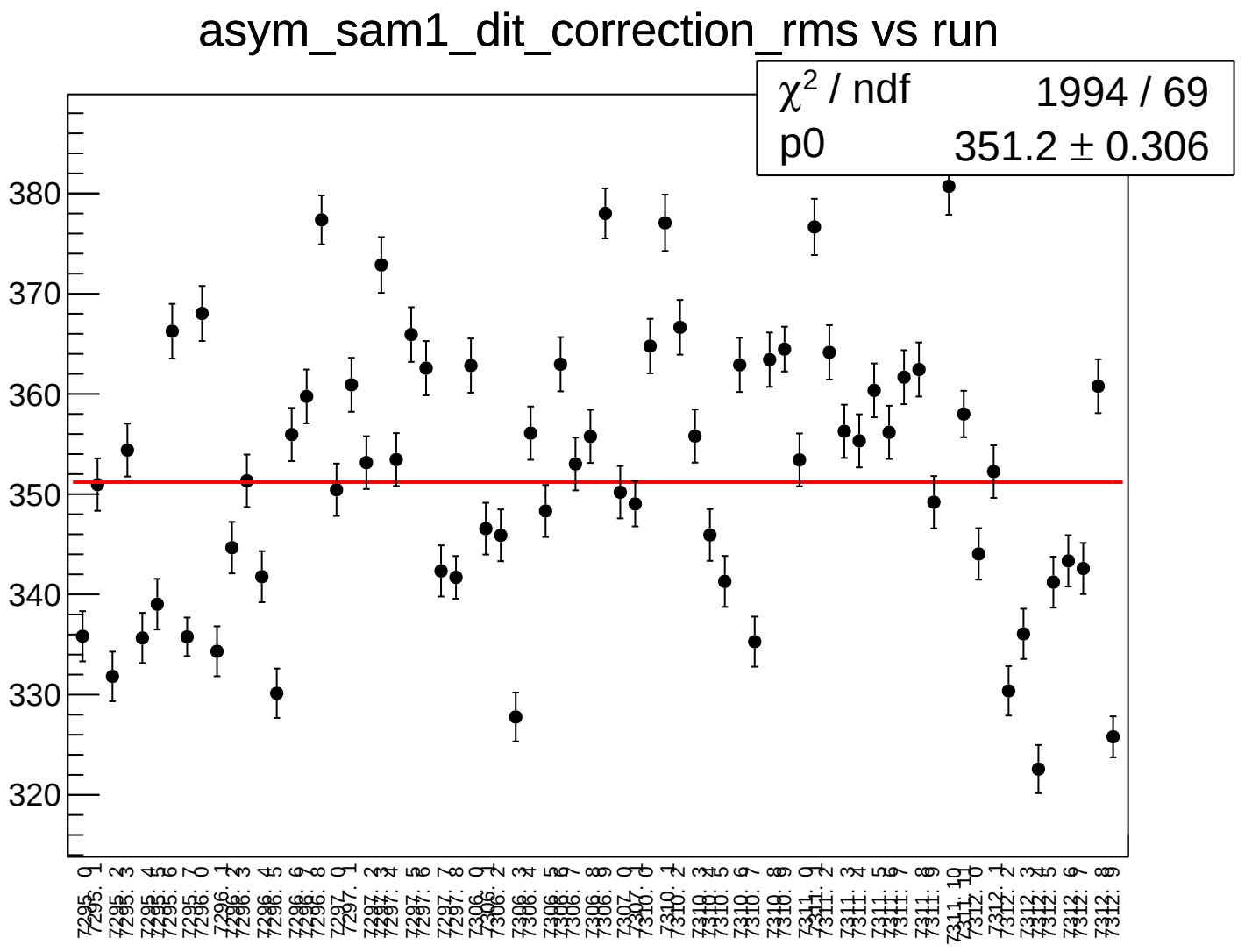

dit_asym_sam1_mean vs run
χ^2 / ndf 46.83 / 69
p0 112.1 ± 104.9
pull
Entries 70
Mean −491.4
Std Dev 0

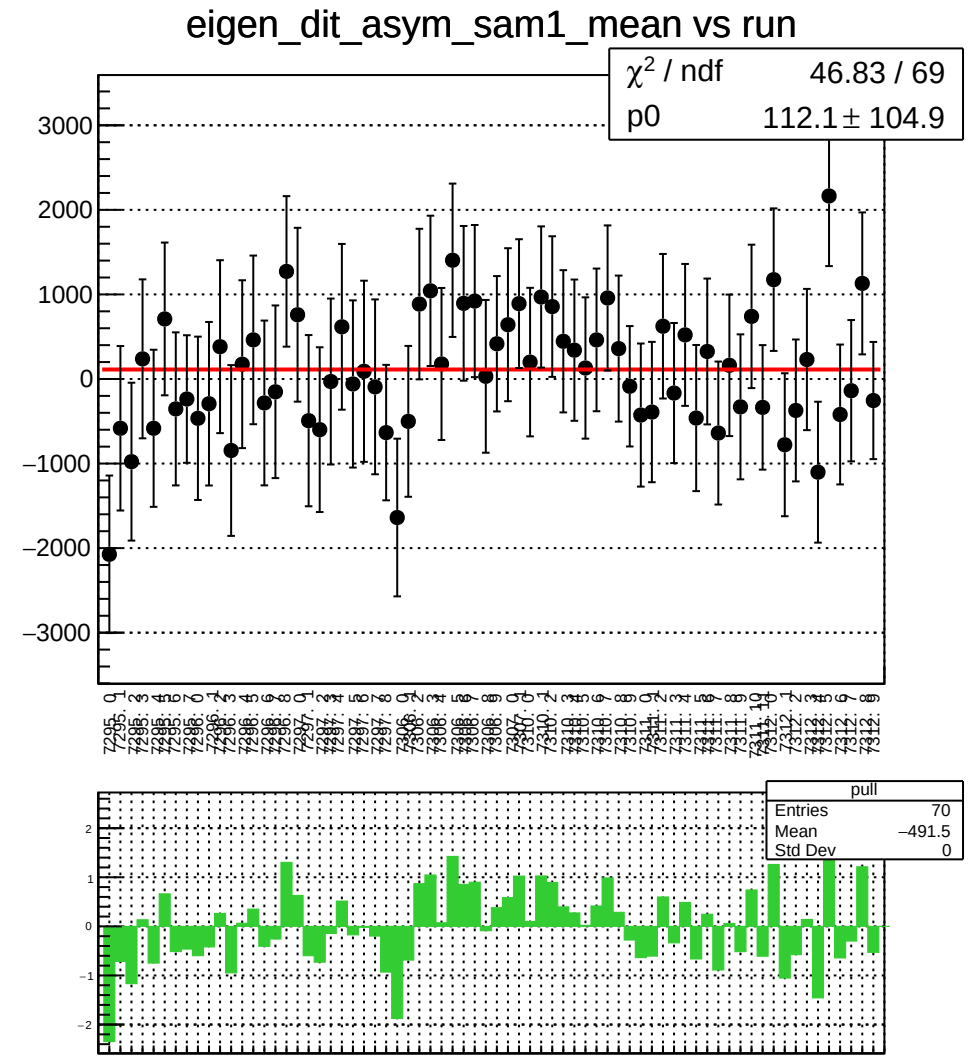

pull1D
Entries 70
Mean −0.006038
Std Dev 0.8179

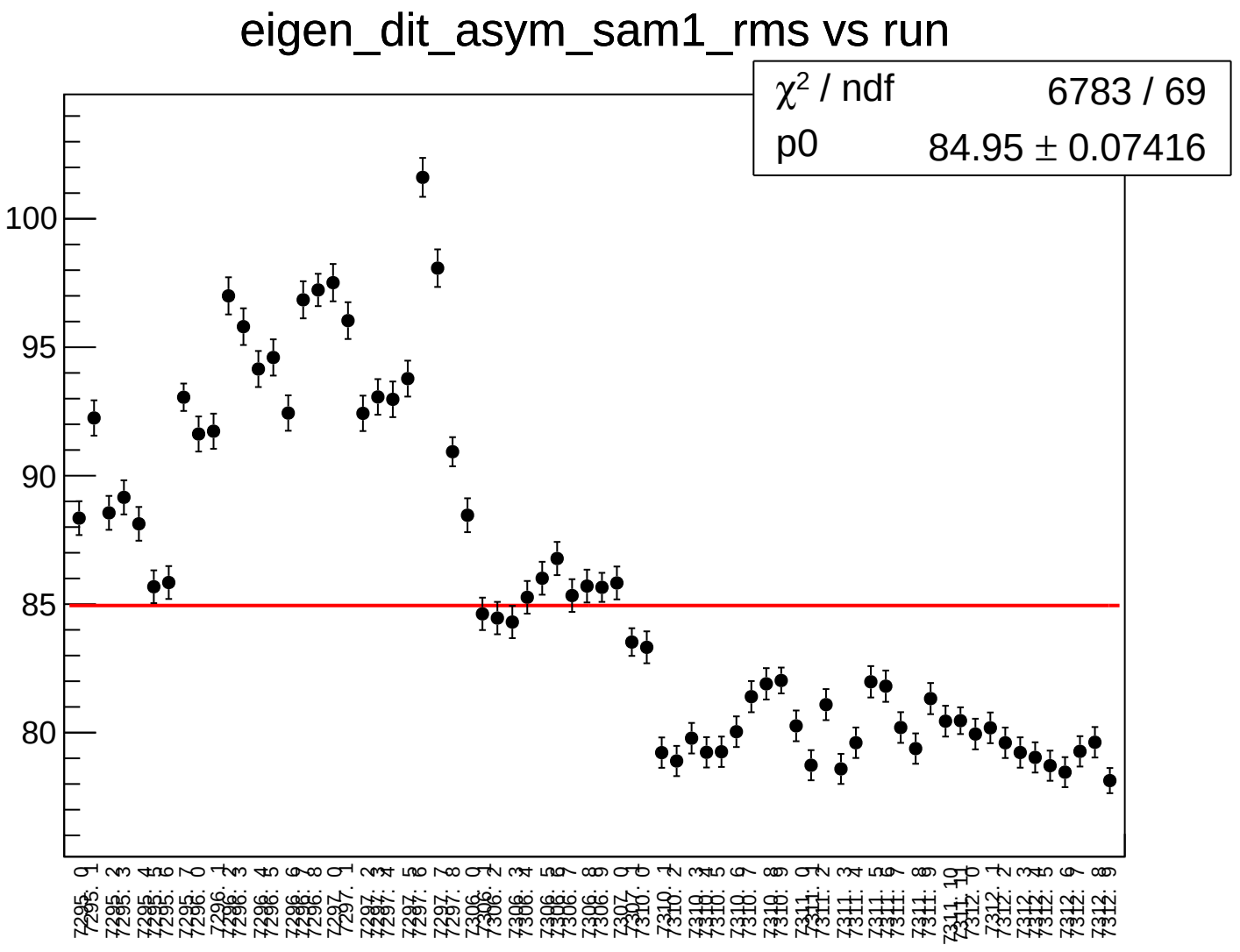

dit_asym_sam1_rms vs run
χ^2 / ndf 6783 / 69
p0 84.95 ± 0.07416
100
95
90
85
80

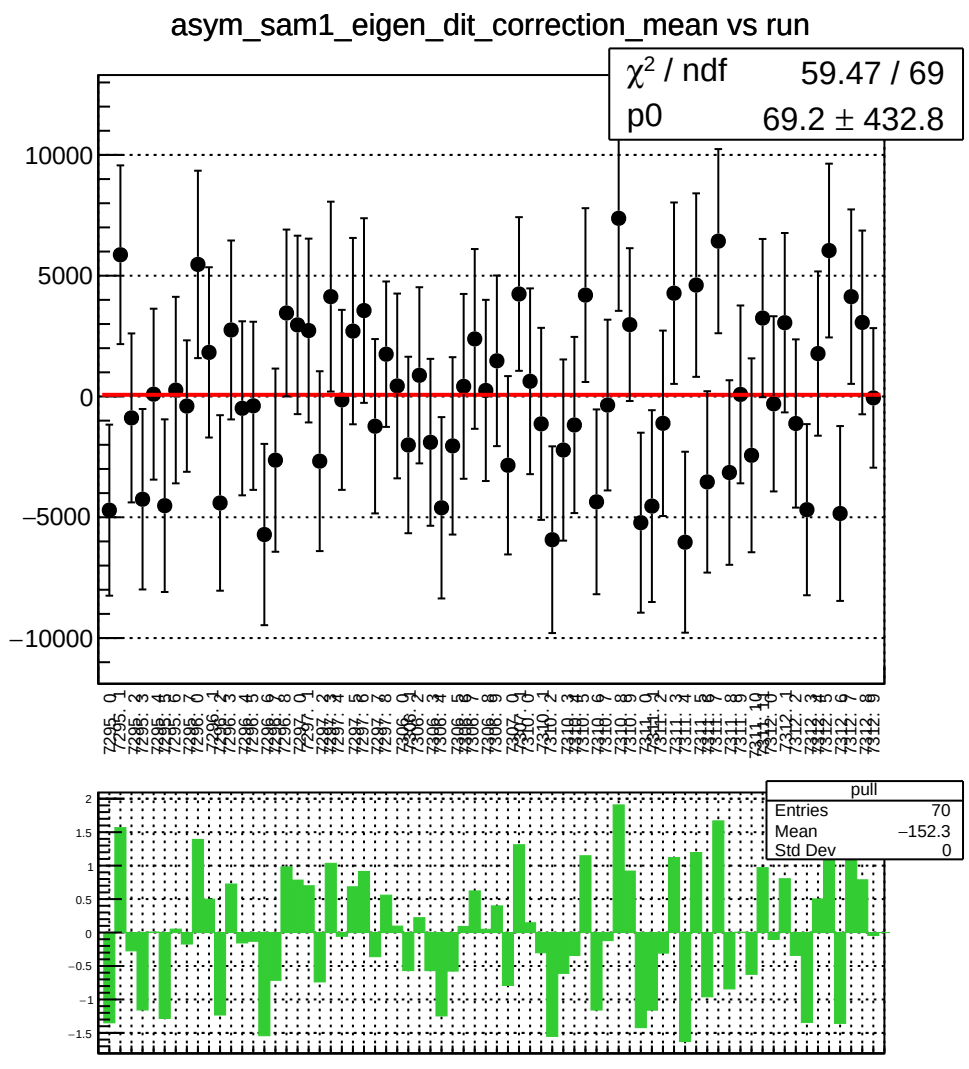

asym_sam1_dit_correction_mean vs run
χ² / ndf 59.47 / 69
p0 69.2 ± 432.8
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −152.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

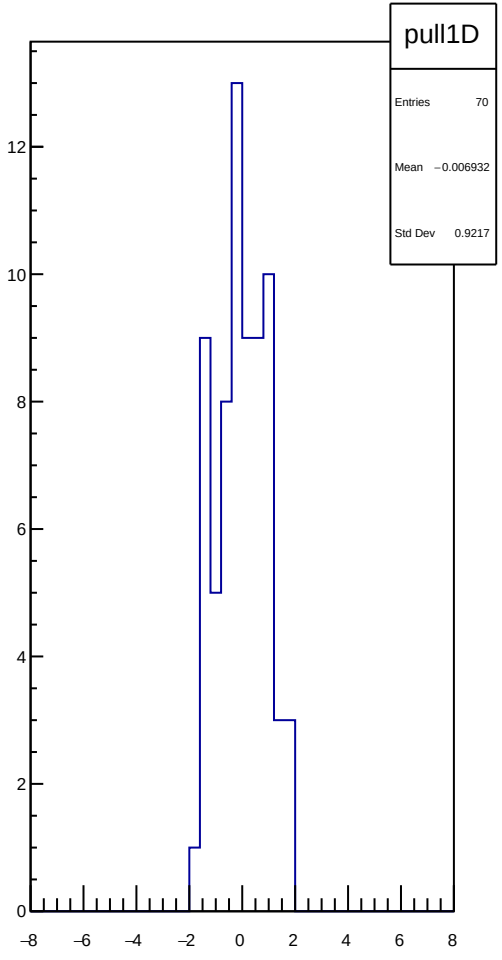

pull1D
Entries 70
Mean −0.006932
Std Dev 0.9217
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

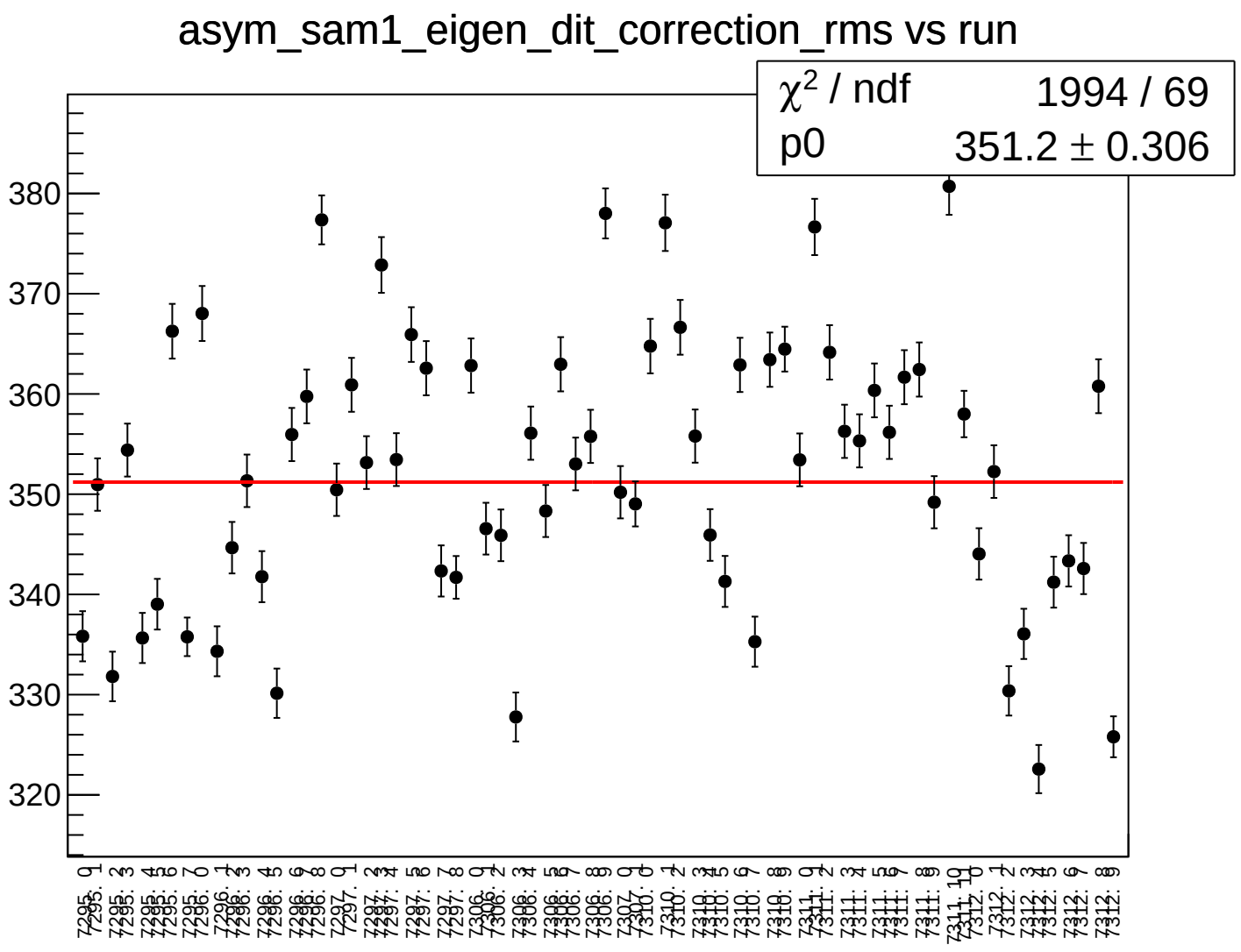

asym_sam1_dit_correction_rms vs run
χ² / ndf 1994 / 69
p0 351.2 ± 0.306
380
370
360
350
340
330
320

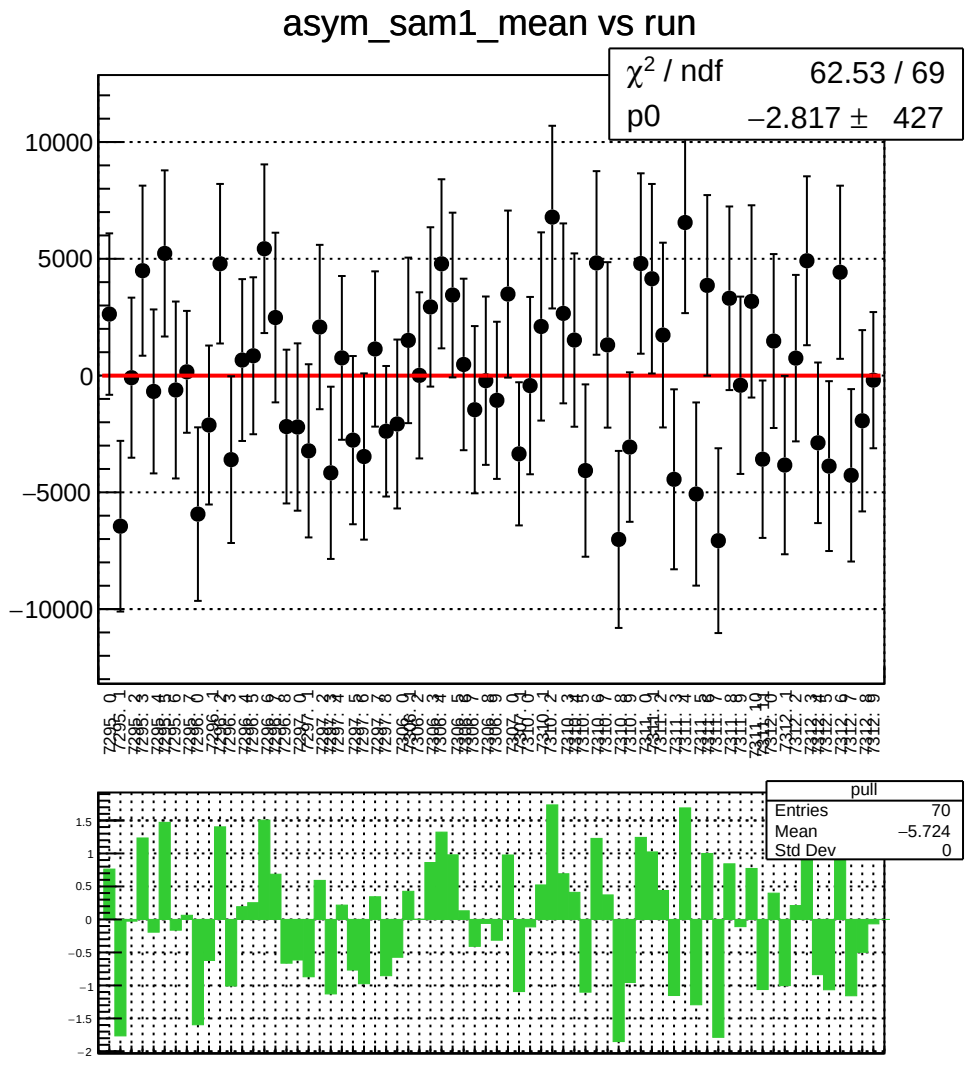

eigen_dit_asym_sam1_mean vs run
χ² / ndf 46.83 / 69
p0 112.1 ± 104.9
pull
Entries 70
Mean −491.5
Std Dev 0
pull1D
Entries 70
Mean −0.006038
Std Dev 0.8179

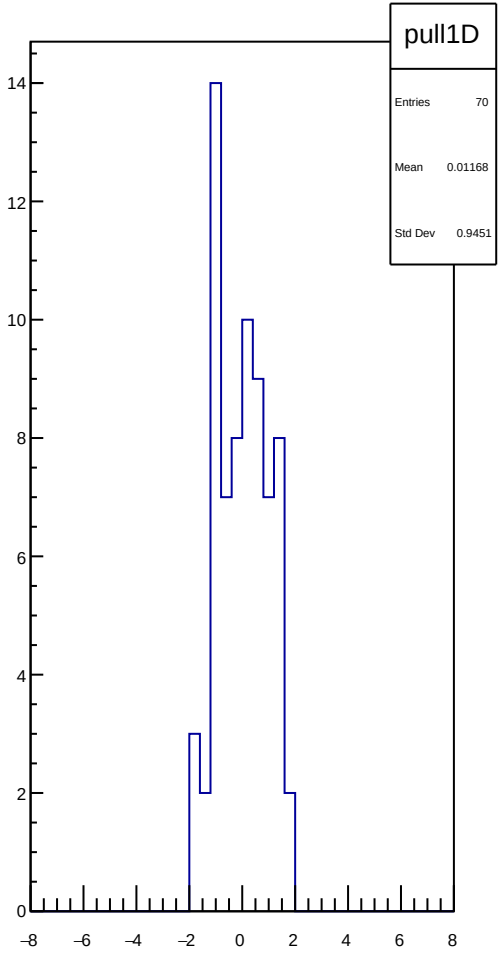

eigen_dit_asym_sam1_rms vs run
χ² / ndf 6783 / 69
p0 84.95 ± 0.07416
100
95
90
85
80

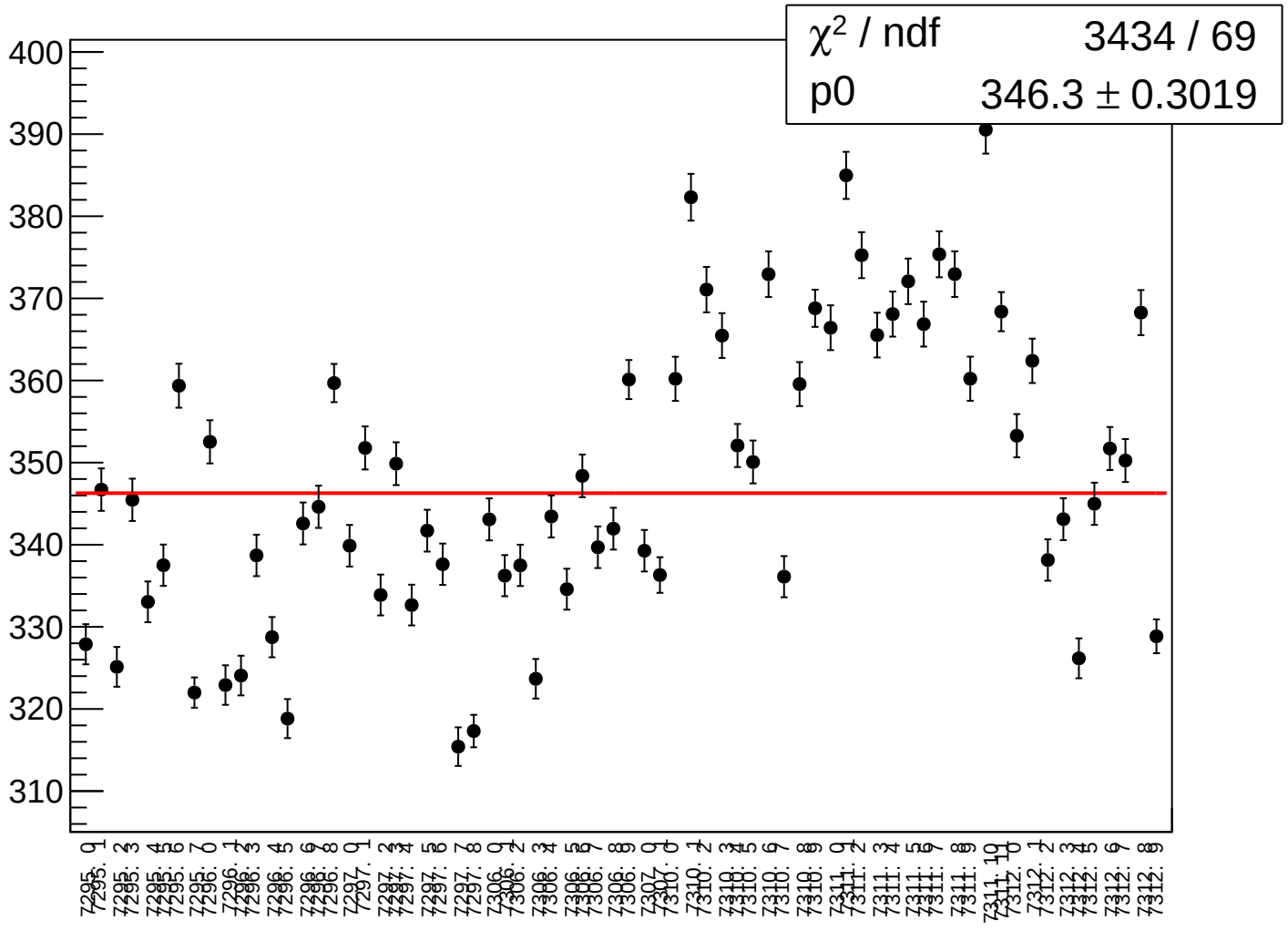

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 59.47 / 69
p0 69.2 ± 432.8
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −152.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

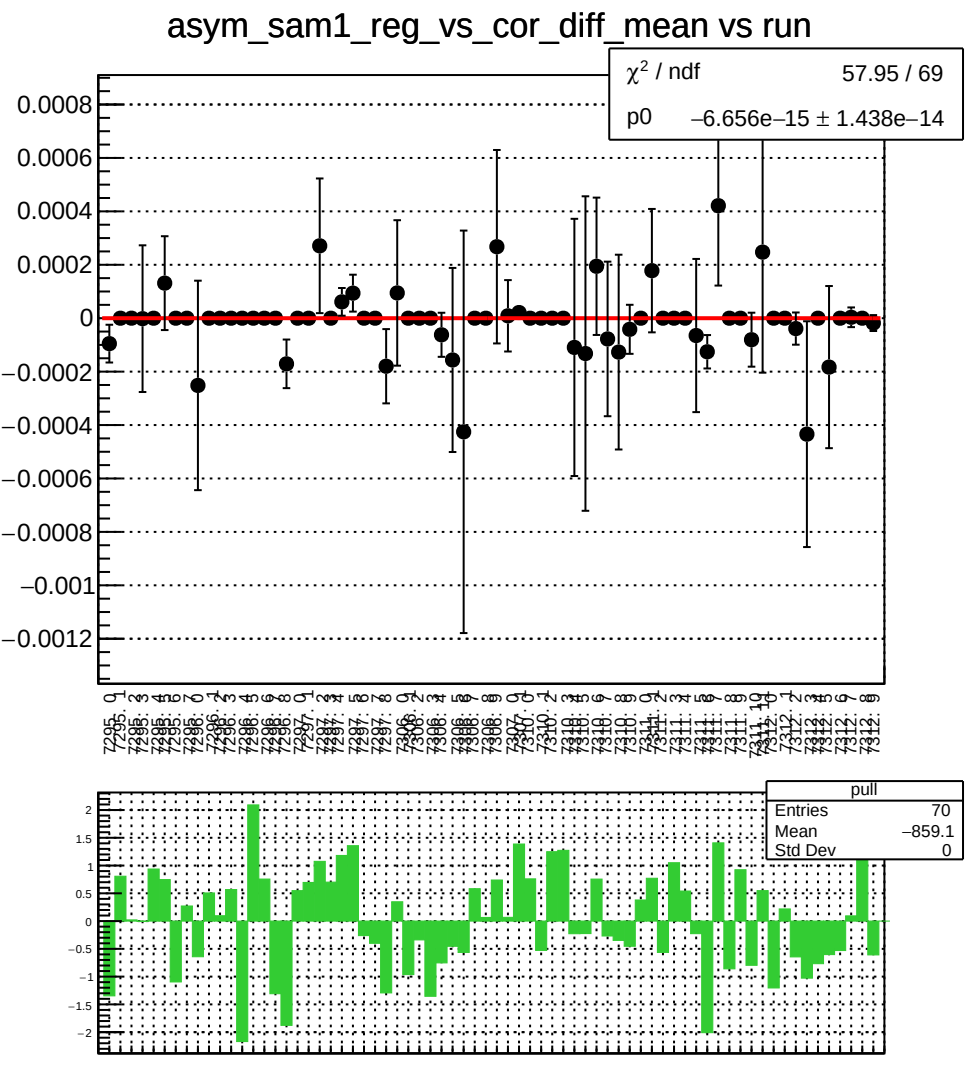

pull1D
Entries 70
Mean −0.006932
Std Dev 0.9217
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

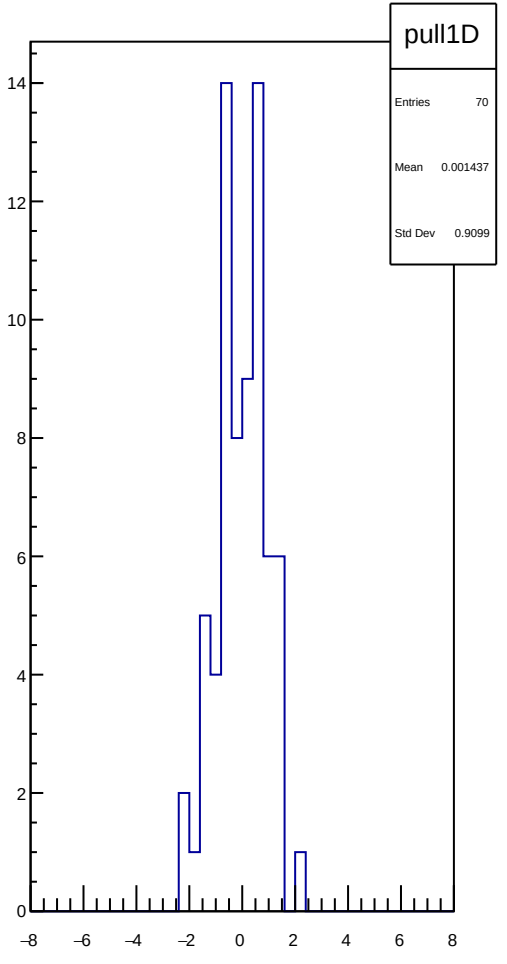

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1994 / 69
p0 351.2 ± 0.306
380
370
360
350
340
330
320

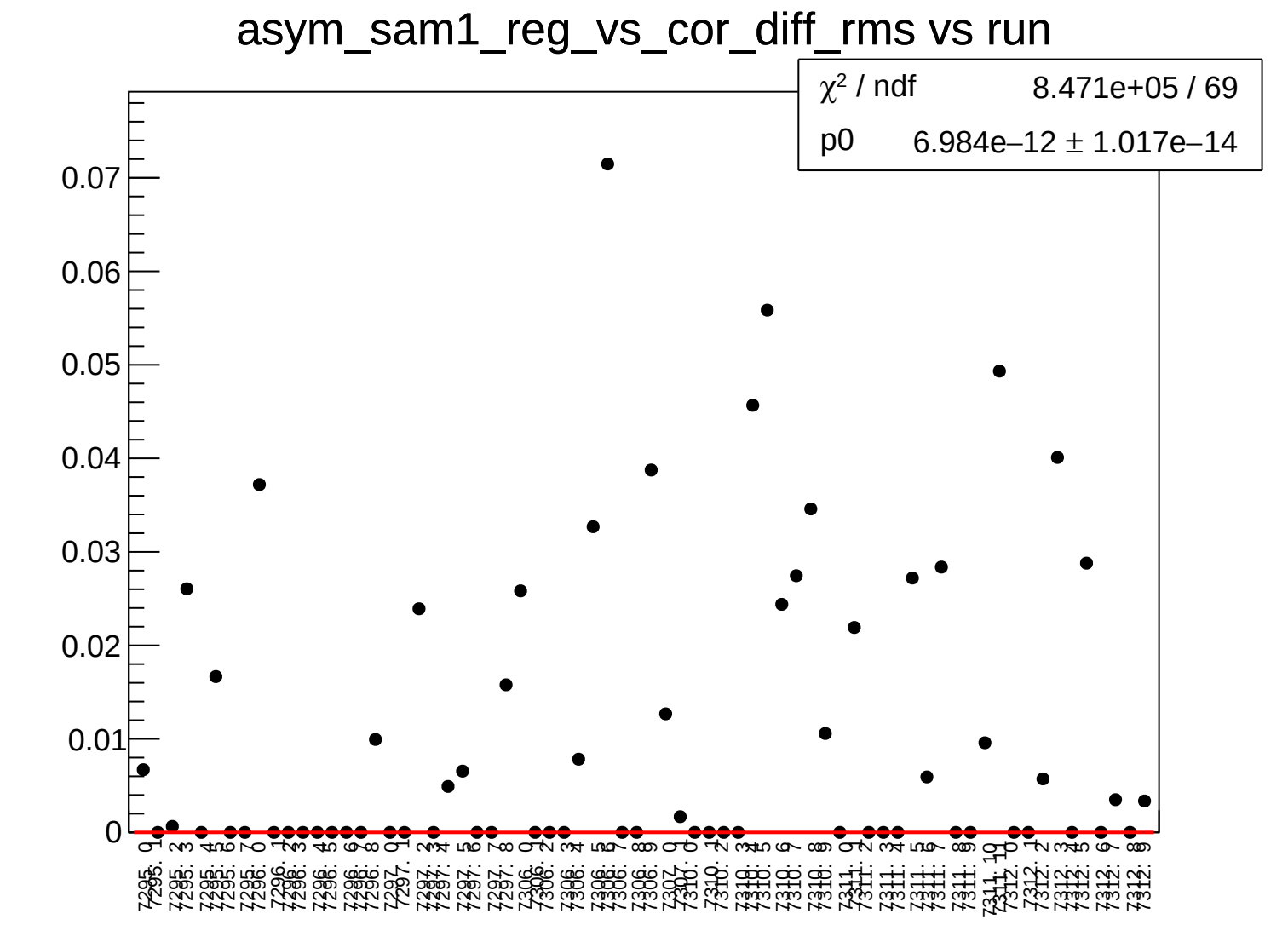

asym_sam1_mean vs run
χ² / ndf 62.53 / 69
p0 −2.817 ± 427
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −5.724
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

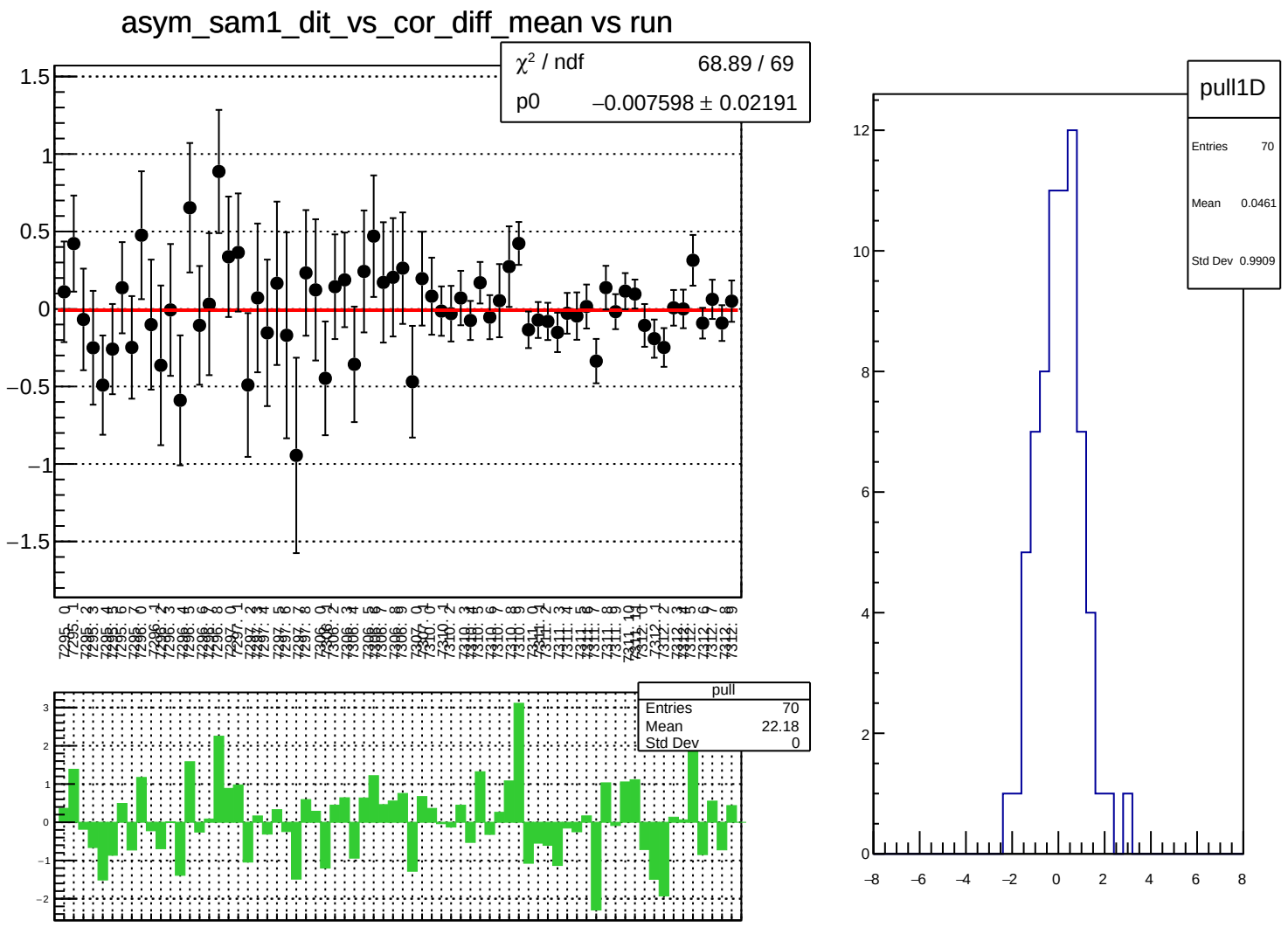

pull1D
Entries 70
Mean 0.01168
Std Dev 0.9451
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

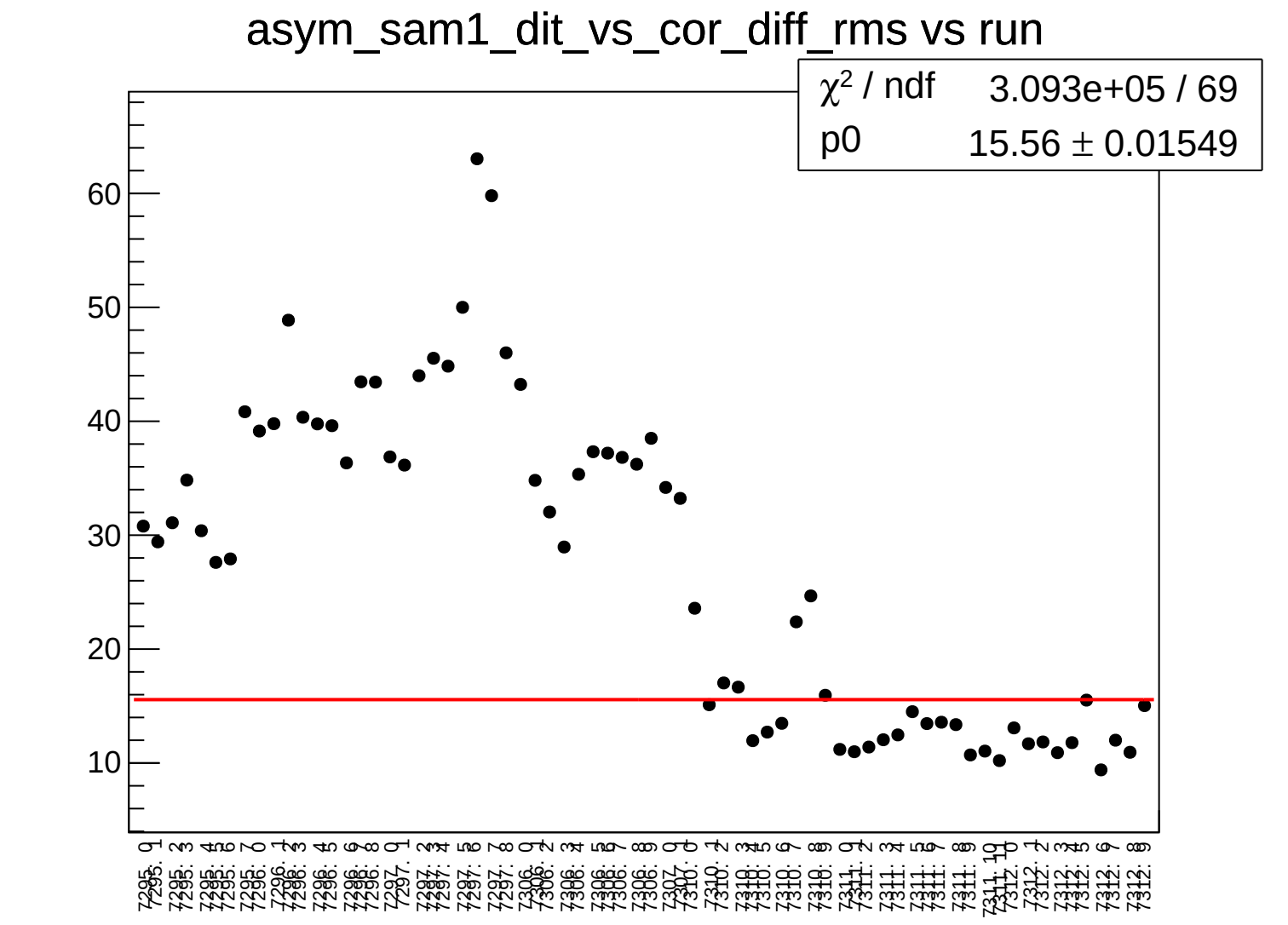

asym_sam1_rms vs run
χ² / ndf 3434 / 69
p0 346.3 ± 0.3019
400
390
380
370
360
350
340
330
320
310

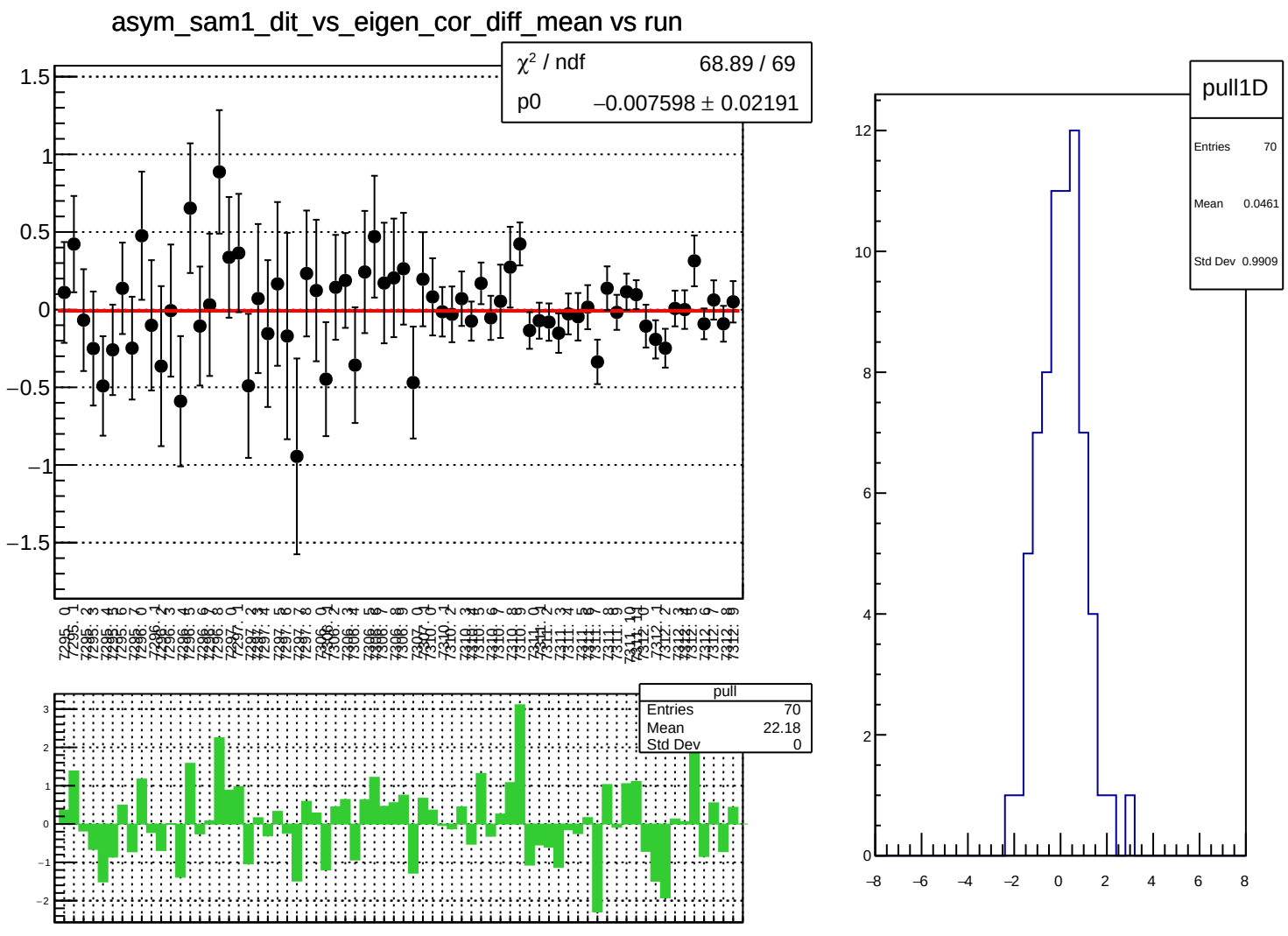

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.95 / 69
p0 −6.656e−15 ± 1.438e−14
pull
Entries 70
Mean −859.1
Std Dev 0

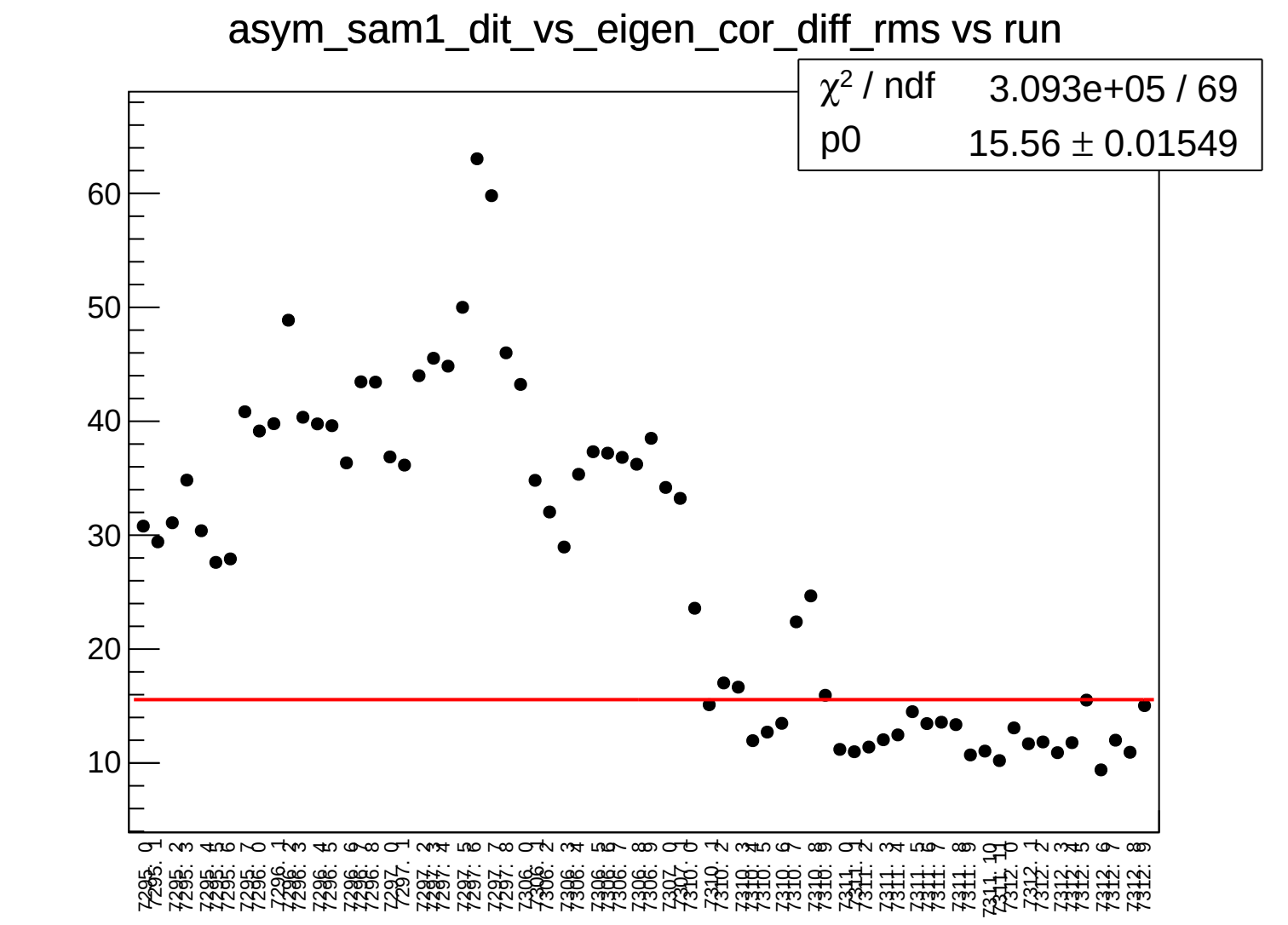

pull1D
Entries 70
Mean 0.001437
Std Dev 0.9099

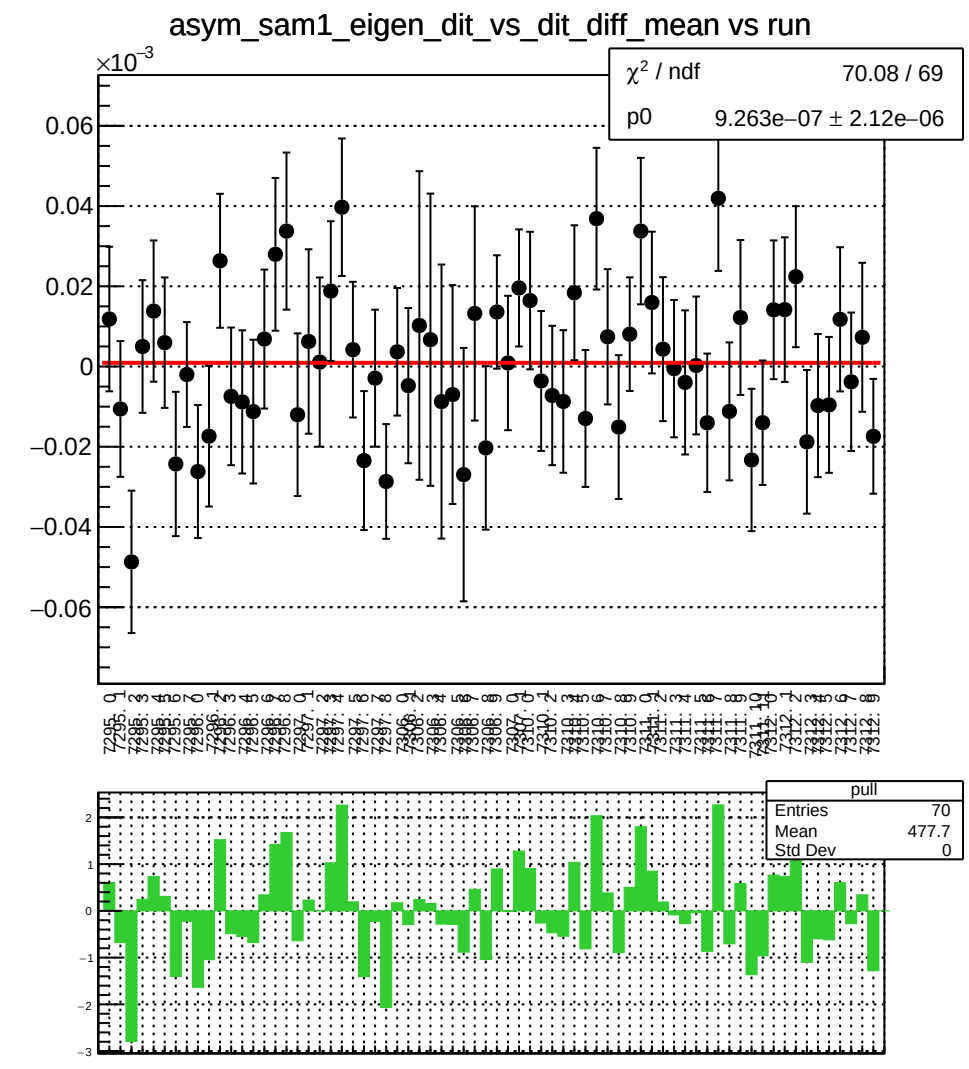

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.471e+05 / 69
p0 6.984e−12 ± 1.017e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

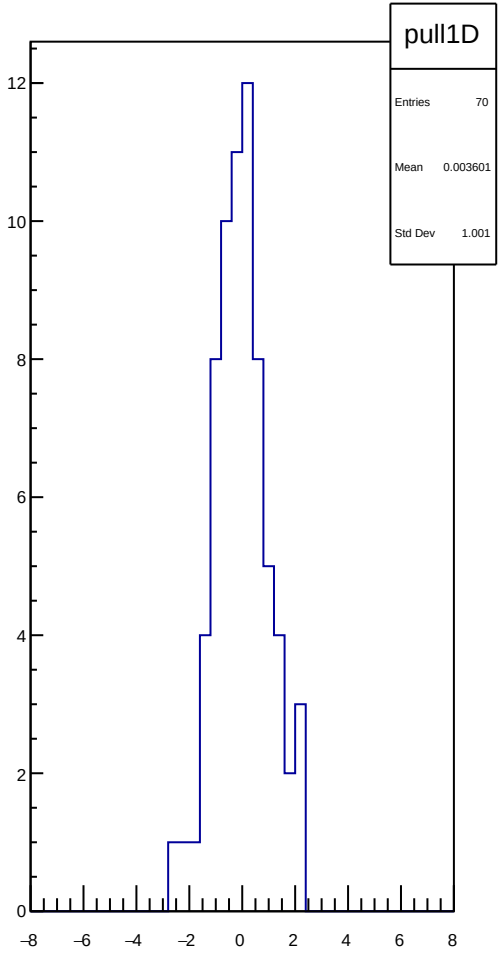

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 68.89 / 69
p0 −0.007598 ± 0.02191
pull
Entries 70
Mean 22.18
Std Dev 0
pull1D
Entries 70
Mean 0.0461
Std Dev 0.9909

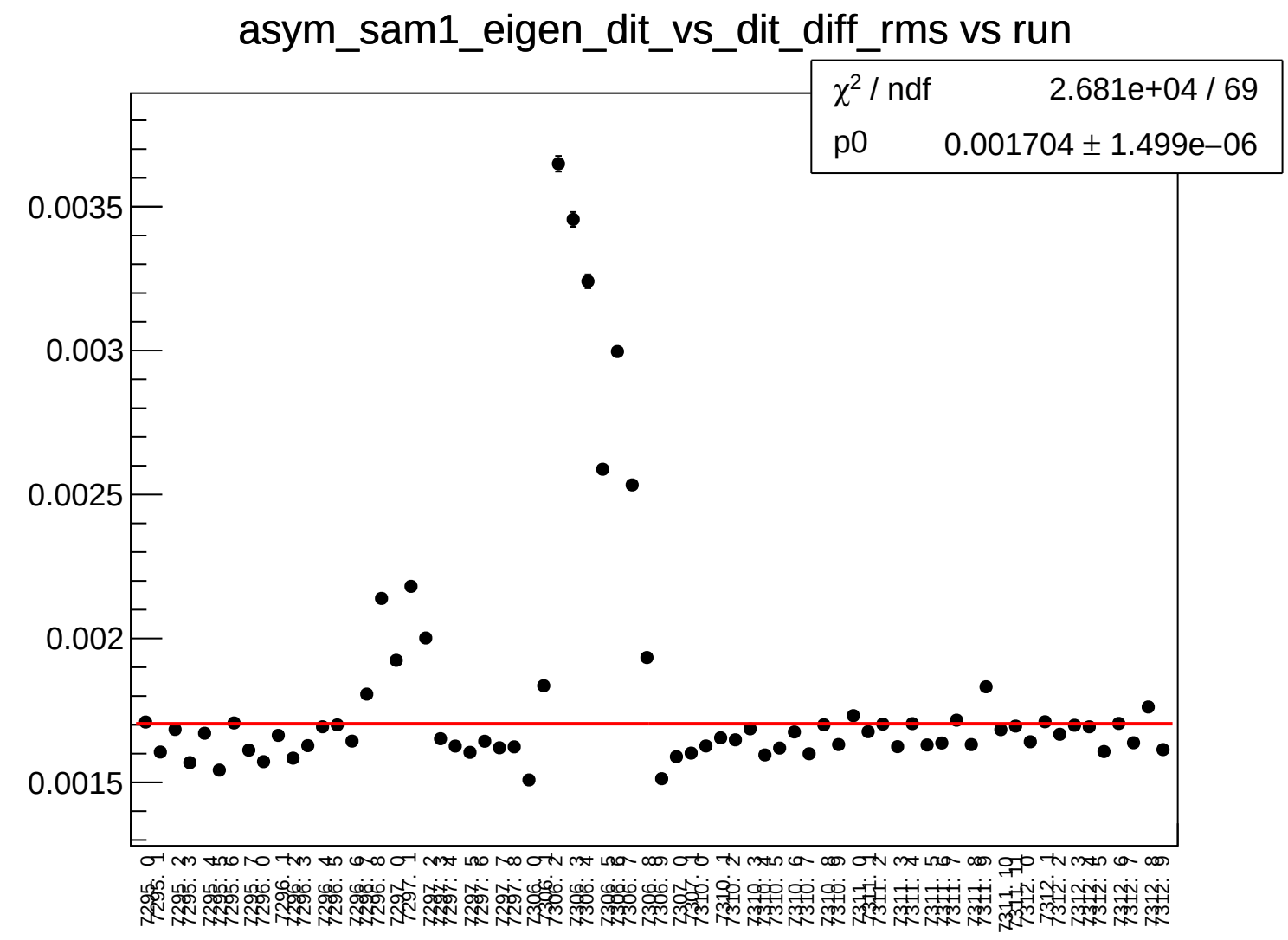

asym_sam1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.093e+05 / 69
p0 15.56 ± 0.01549
60
50
40
30
20
10

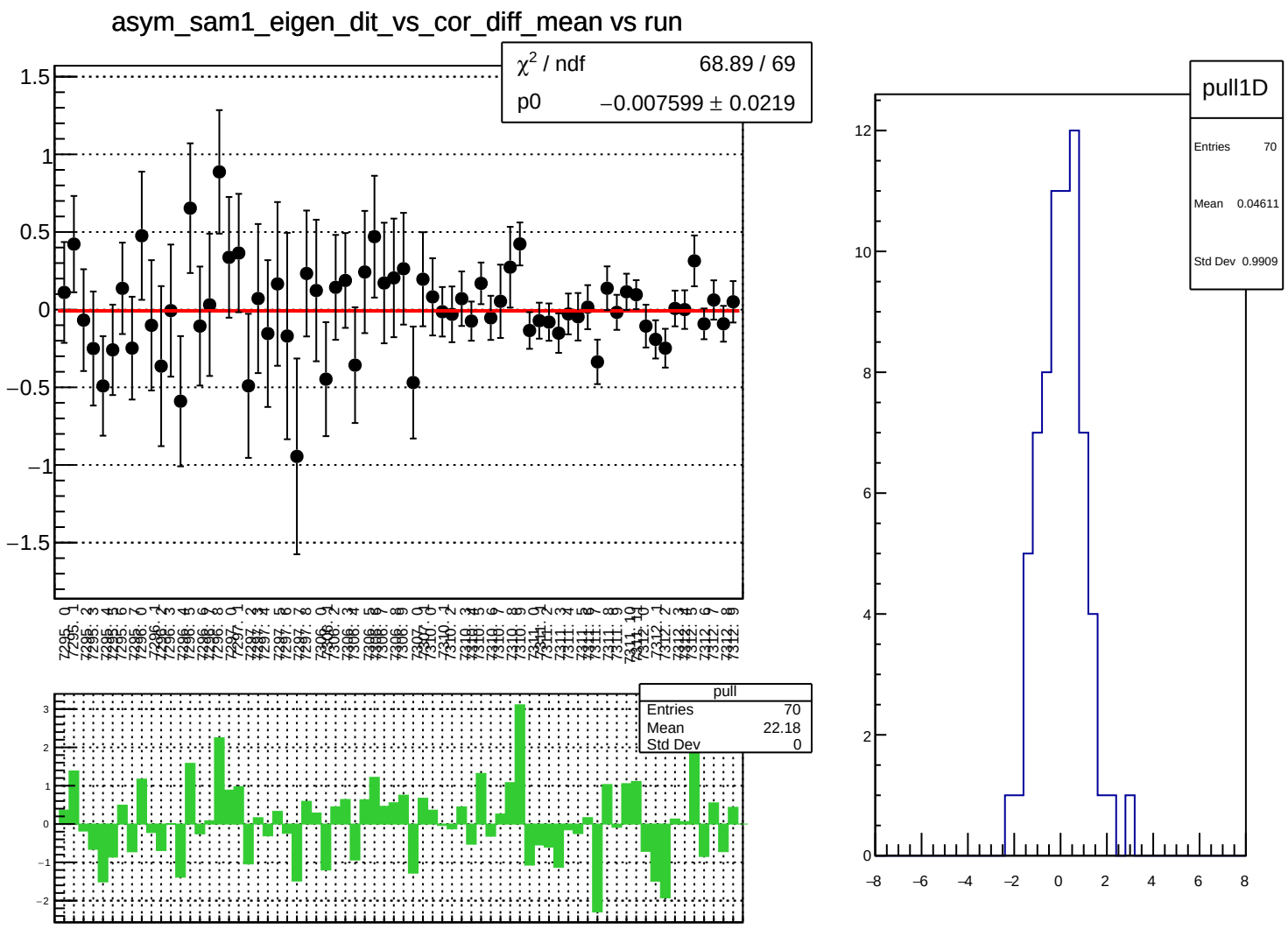

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.89 / 69
p0 −0.007598 ± 0.02191
pull
Entries 70
Mean 22.18
Std Dev 0
pull1D
Entries 70
Mean 0.0461
Std Dev 0.9909

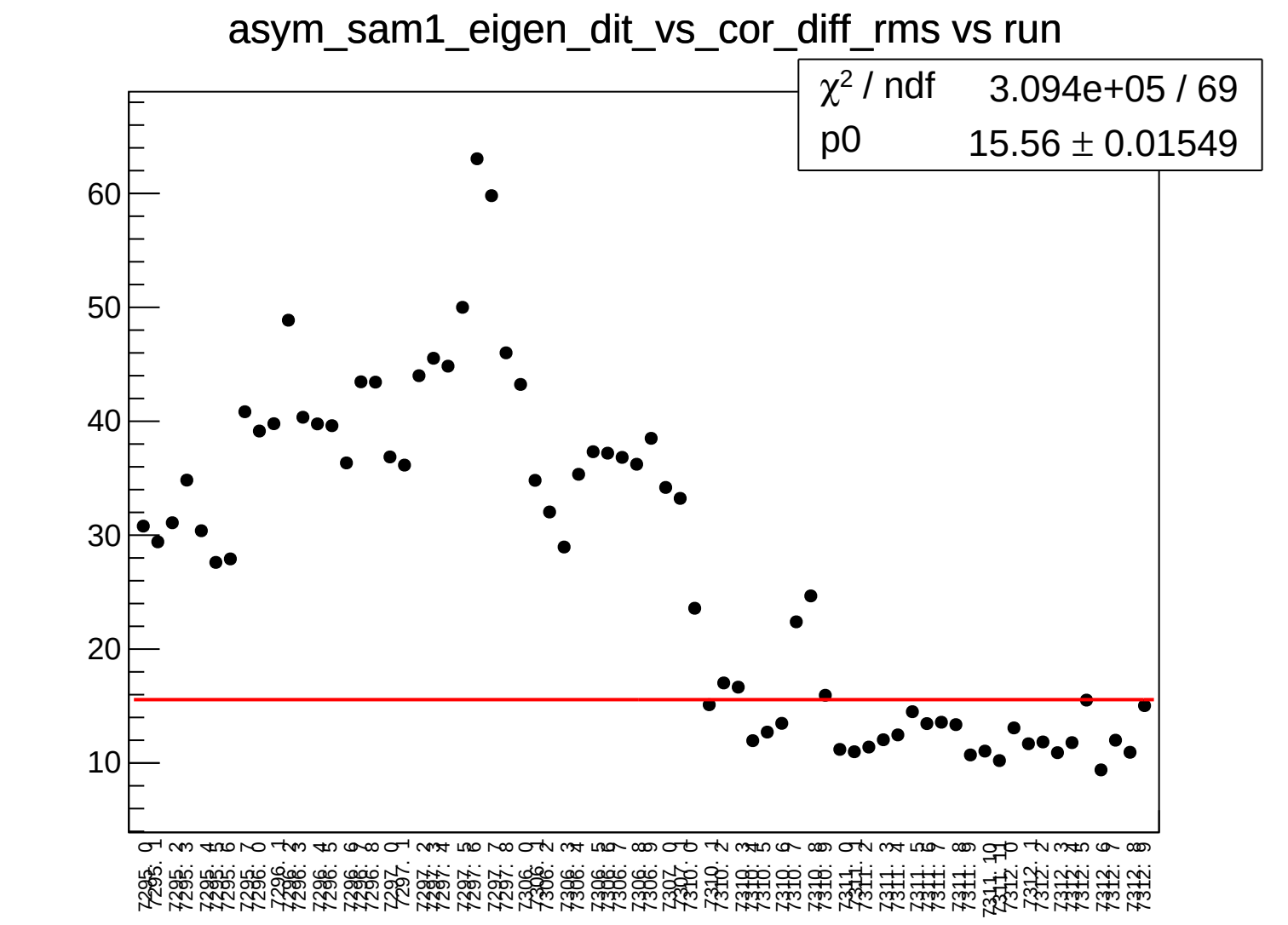

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.093e+05 / 69
p0 15.56 ± 0.01549
60
50
40
30
20
10

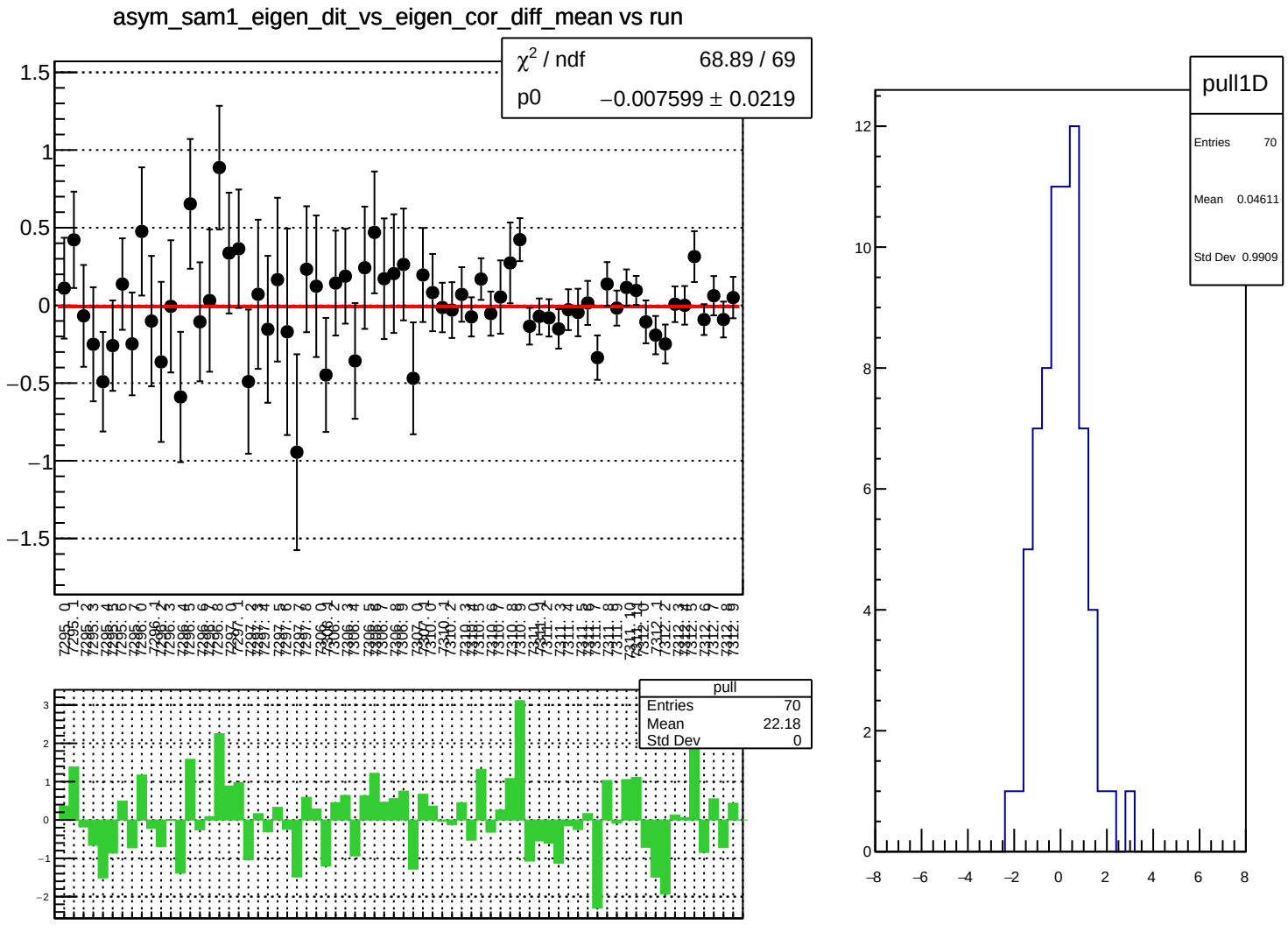

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.08 / 69
p0 9.263e−07 ± 2.12e−06
pull
Entries 70
Mean 477.7
Std Dev 0

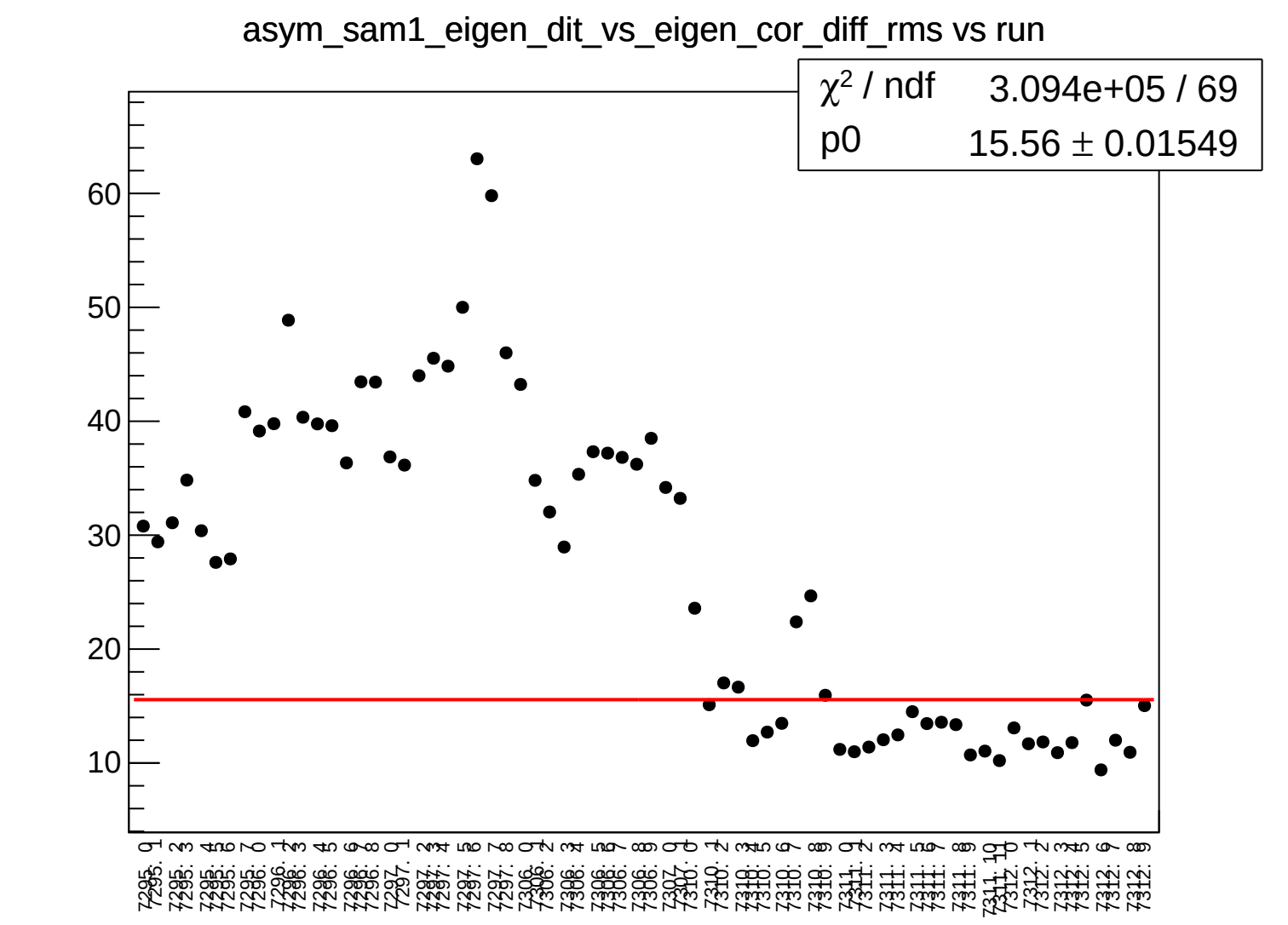

pull1D
Entries 70
Mean 0.003601
Std Dev 1.001

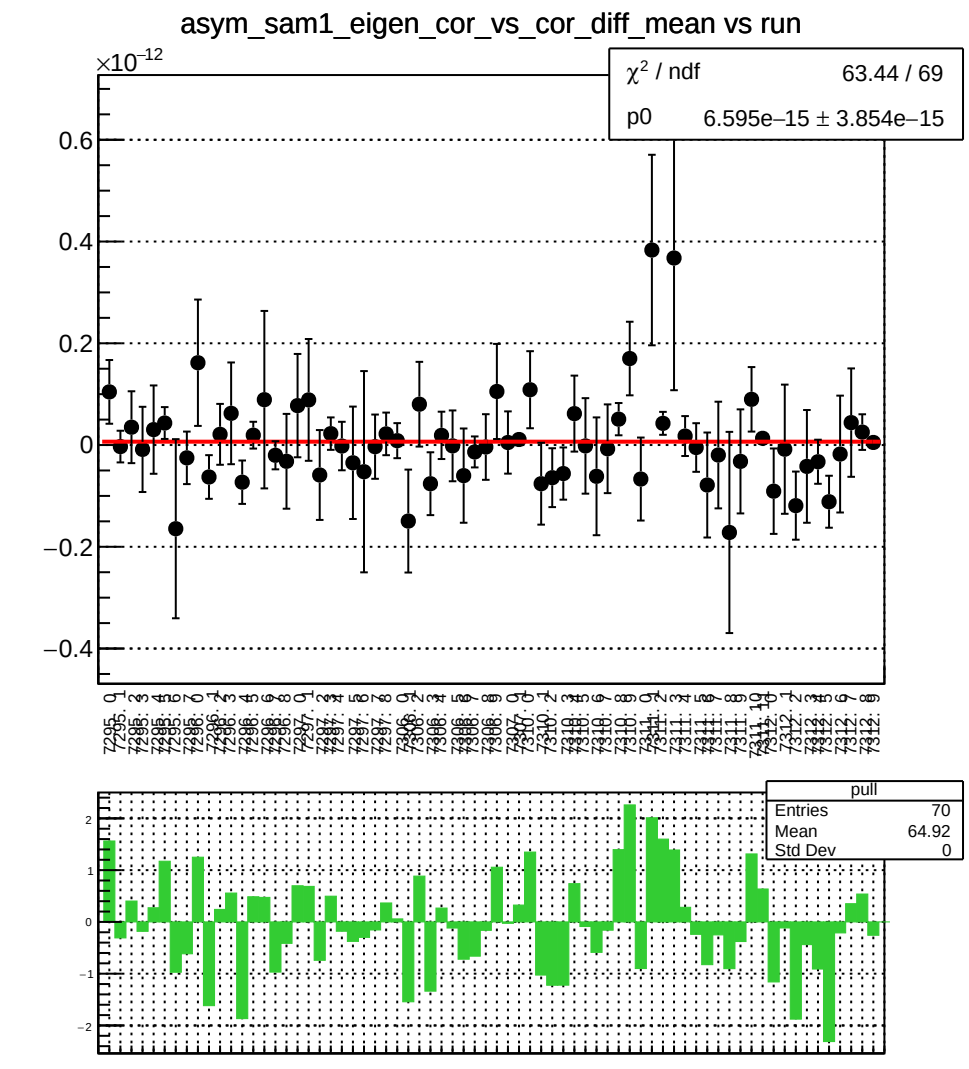

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.681e+04 / 69
p0 0.001704 ± 1.499e−06
0.0035
0.003
0.0025
0.002
0.0015

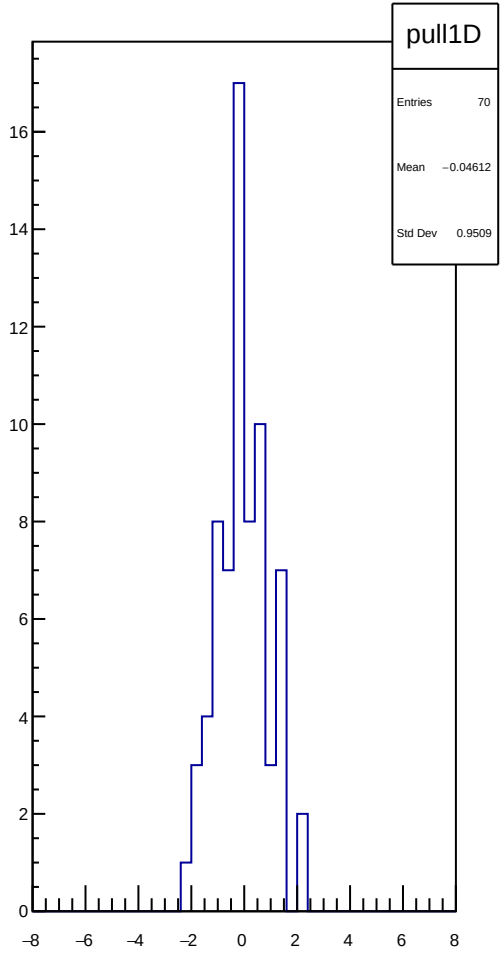

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.89 / 69
p0 −0.007599 ± 0.0219
pull
Entries 70
Mean 22.18
Std Dev 0
pull1D
Entries 70
Mean 0.04611
Std Dev 0.9909

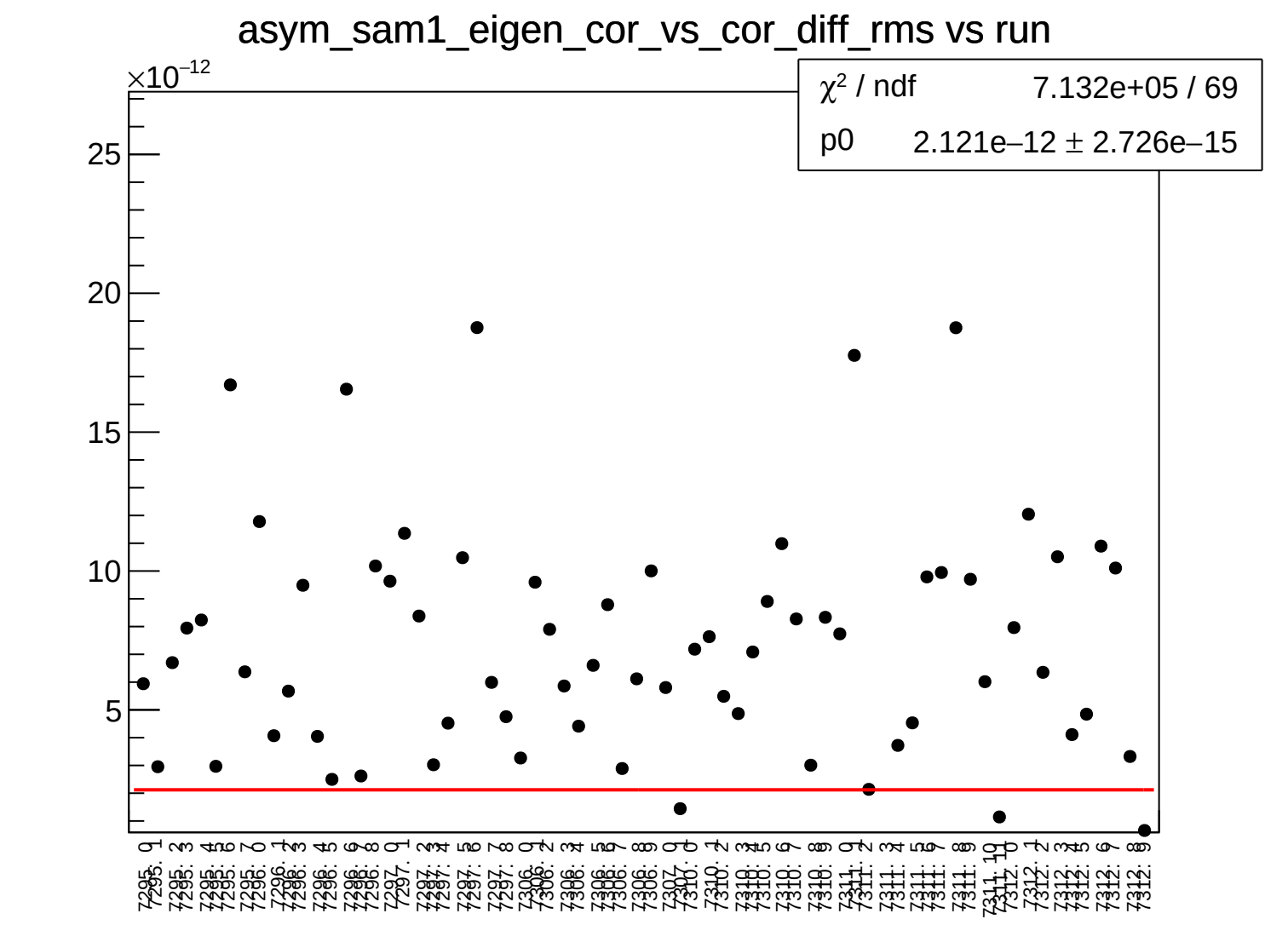

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.094e+05 / 69
p0 15.56 ± 0.01549
60
50
40
30
20
10

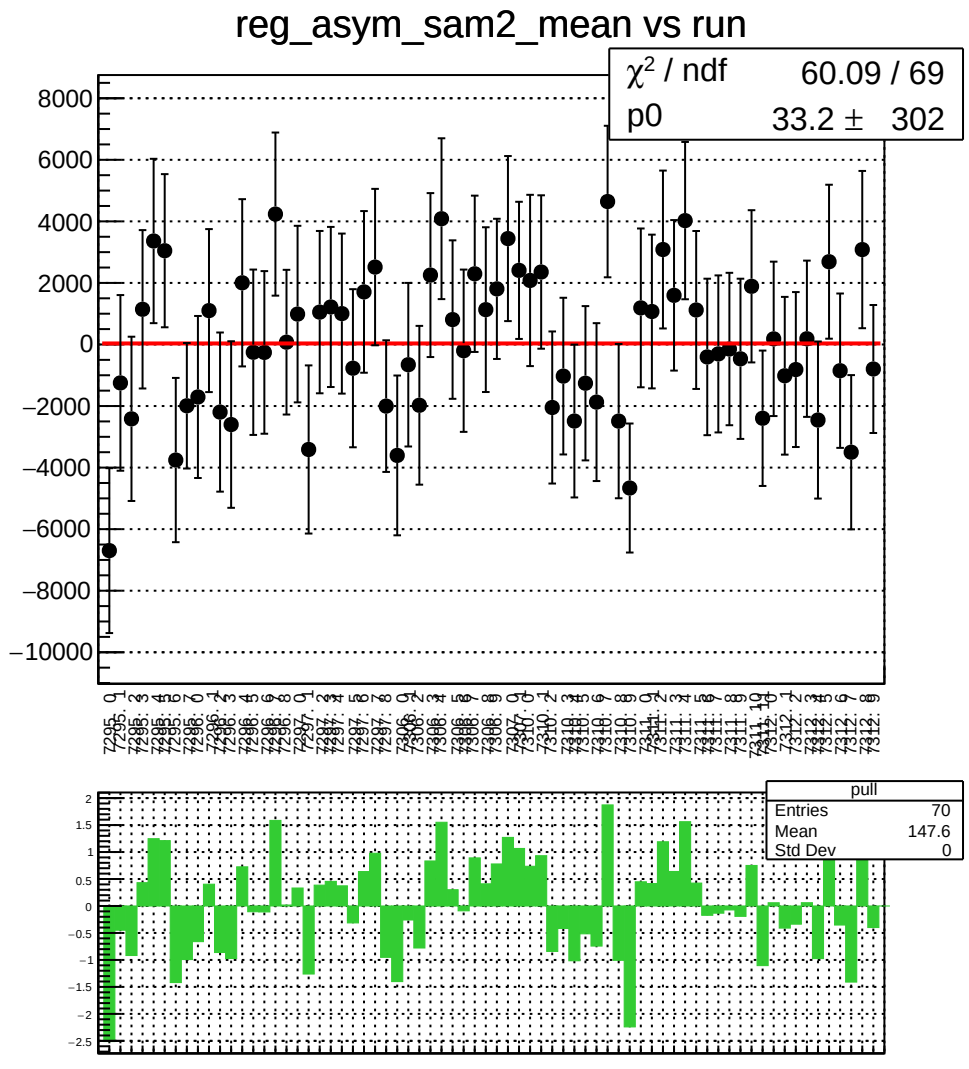

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.89 / 69
p0 −0.007599 ± 0.0219
pull
Entries 70
Mean 22.18
Std Dev 0
pull1D
Entries 70
Mean 0.04611
Std Dev 0.9909

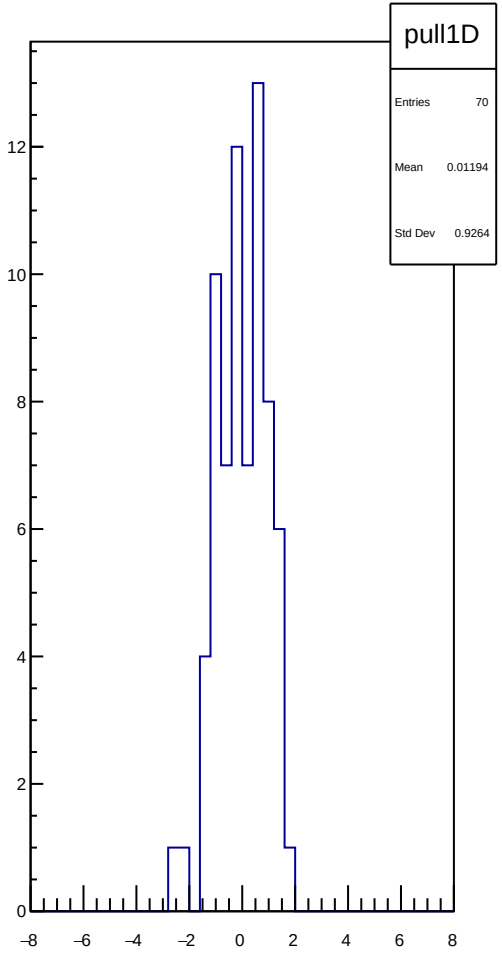

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.094e+05 / 69
p0 15.56 ± 0.01549
60
50
40
30
20
10

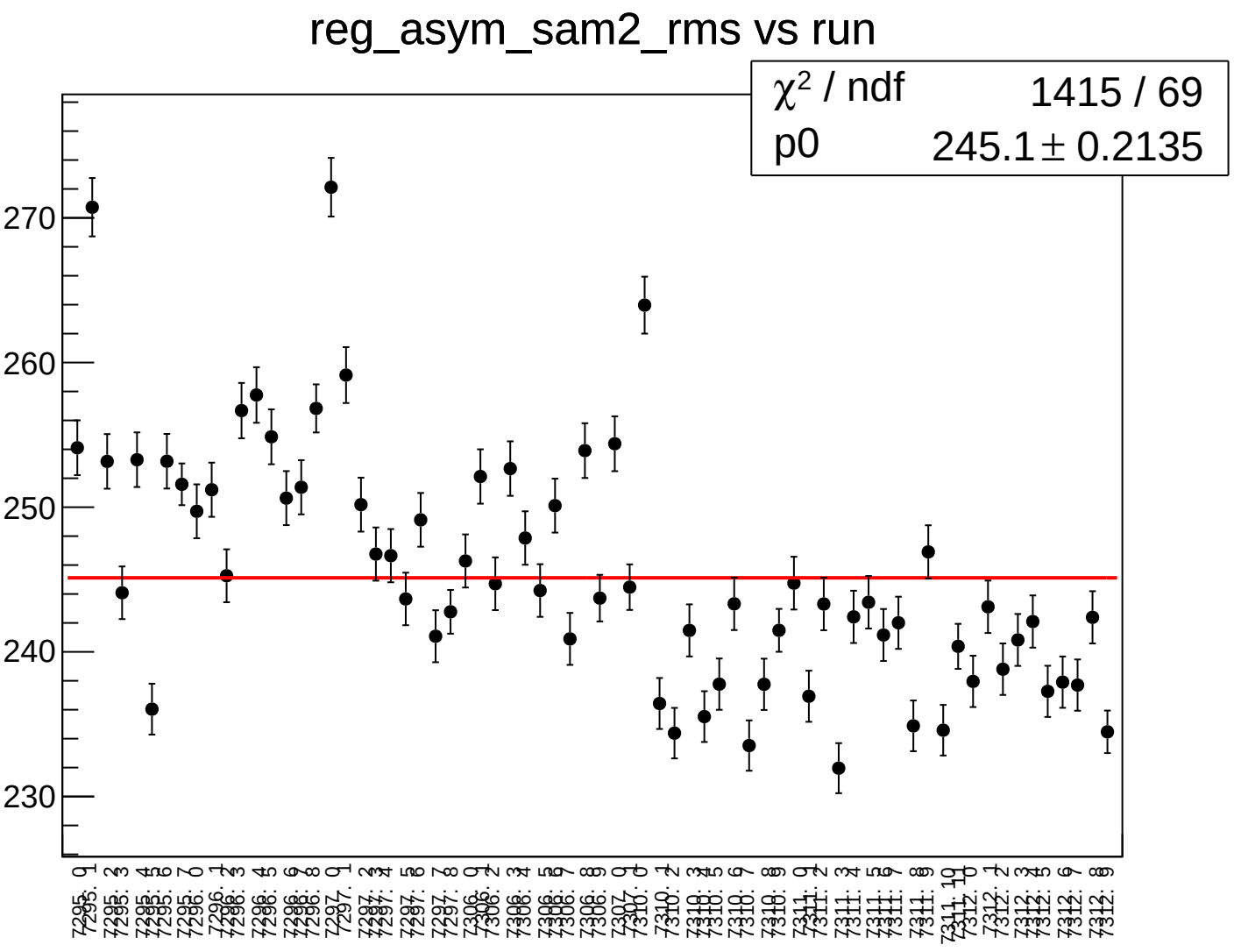

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.44 / 69
p0 6.595e−15 ± 3.854e−15
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 64.92
Std Dev 0
2
1
0
−1
−2

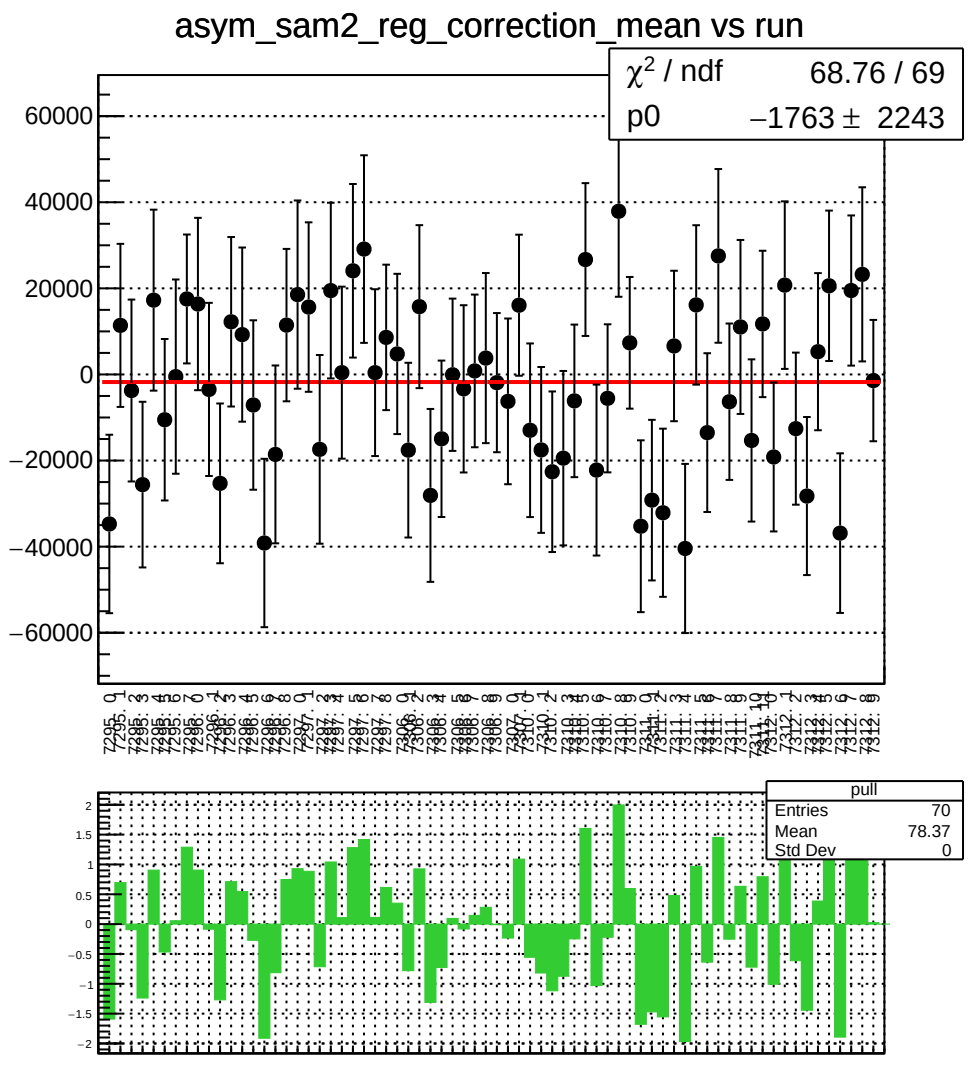

pull1D
Entries 70
Mean −0.04612
Std Dev 0.9509
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

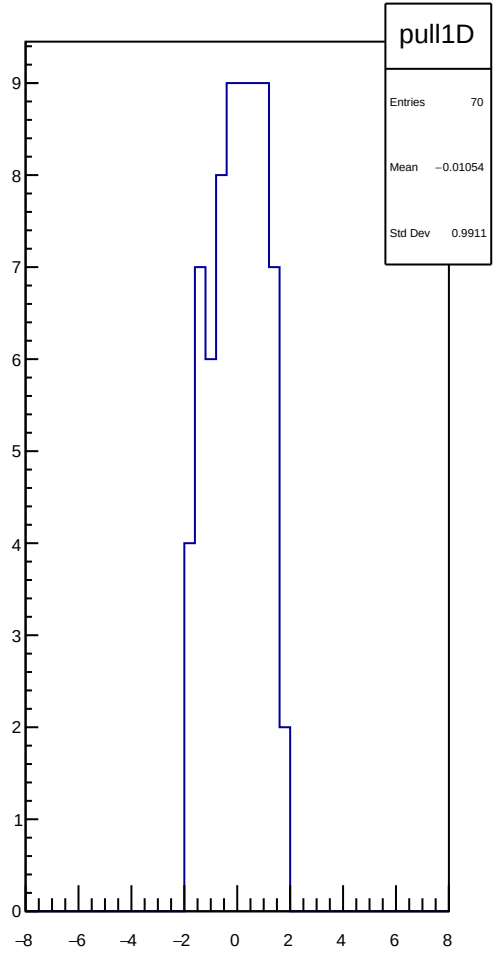

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.132e+05 / 69
p0 2.121e−12 ± 2.726e−15
25
20
15
10
5

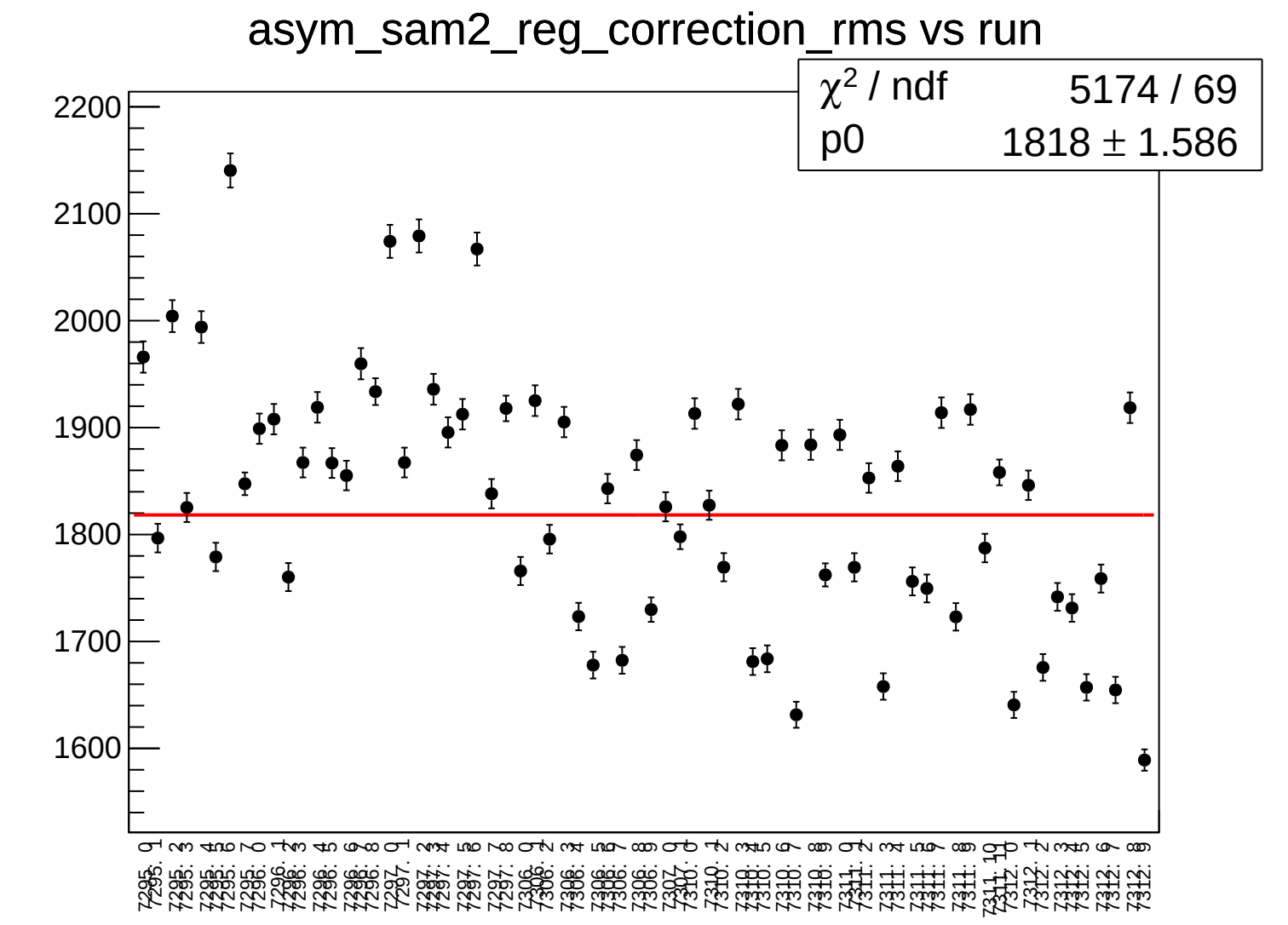

reg_asym_sam2_mean vs run
χ² / ndf 60.09 / 69
p0 33.2 ± 302
pull
Entries 70
Mean 147.6
Std Dev 0

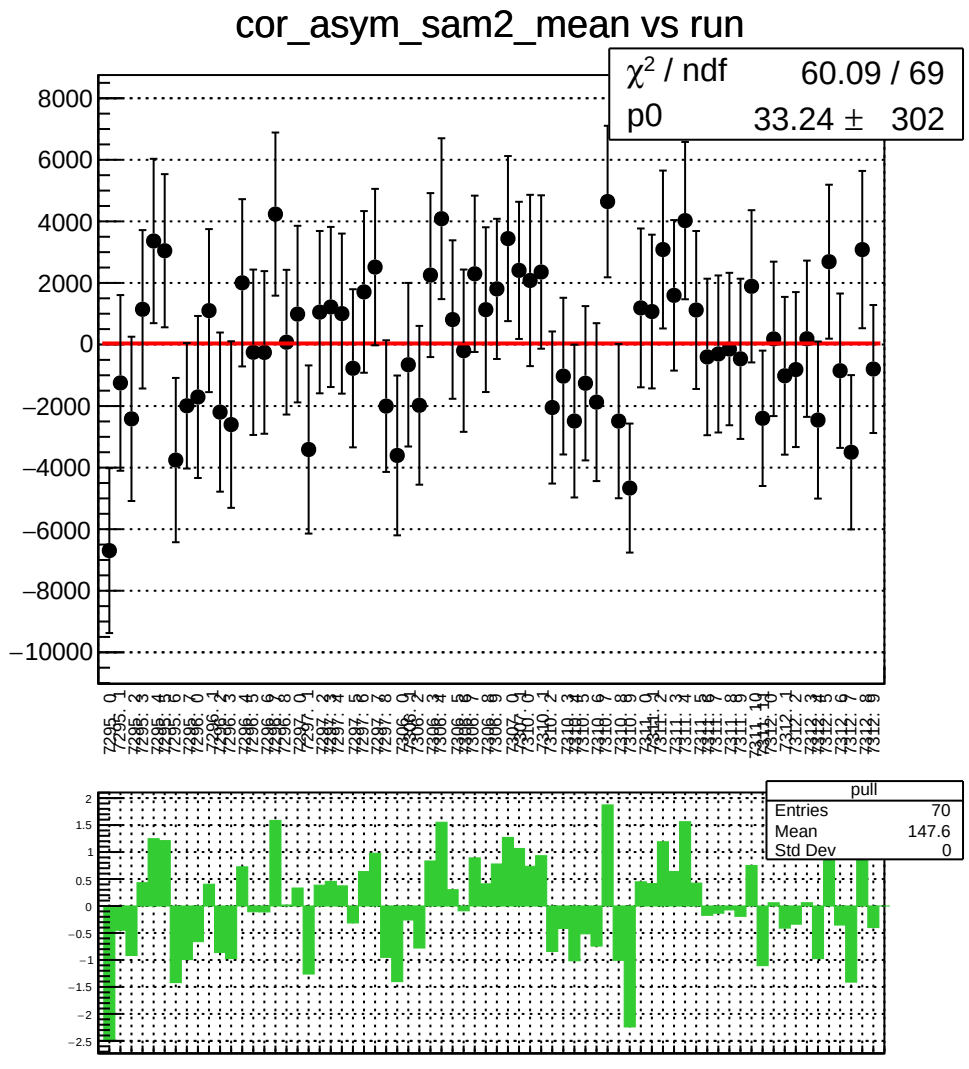

pull1D
Entries 70
Mean 0.01194
Std Dev 0.9264

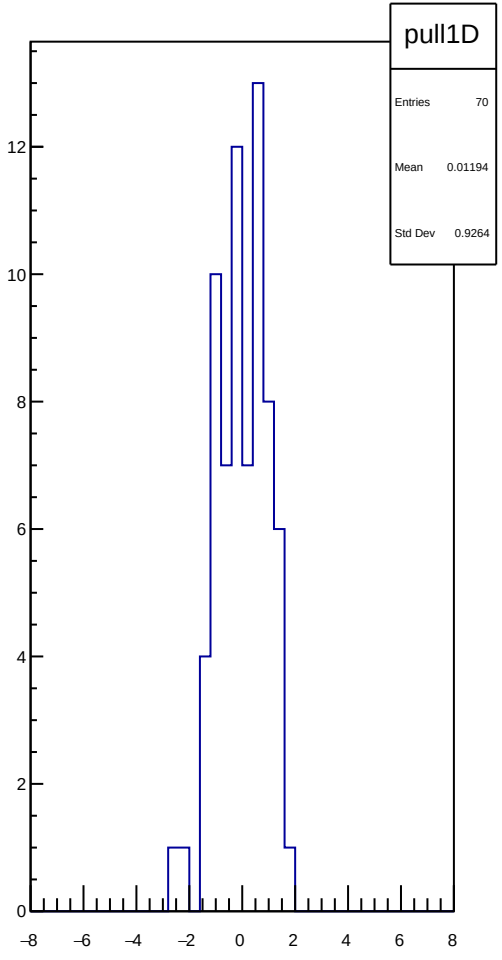

reg_asym_sam2_rms vs run
χ² / ndf 1415 / 69
p0 245.1 ± 0.2135
270
260
250
240
230

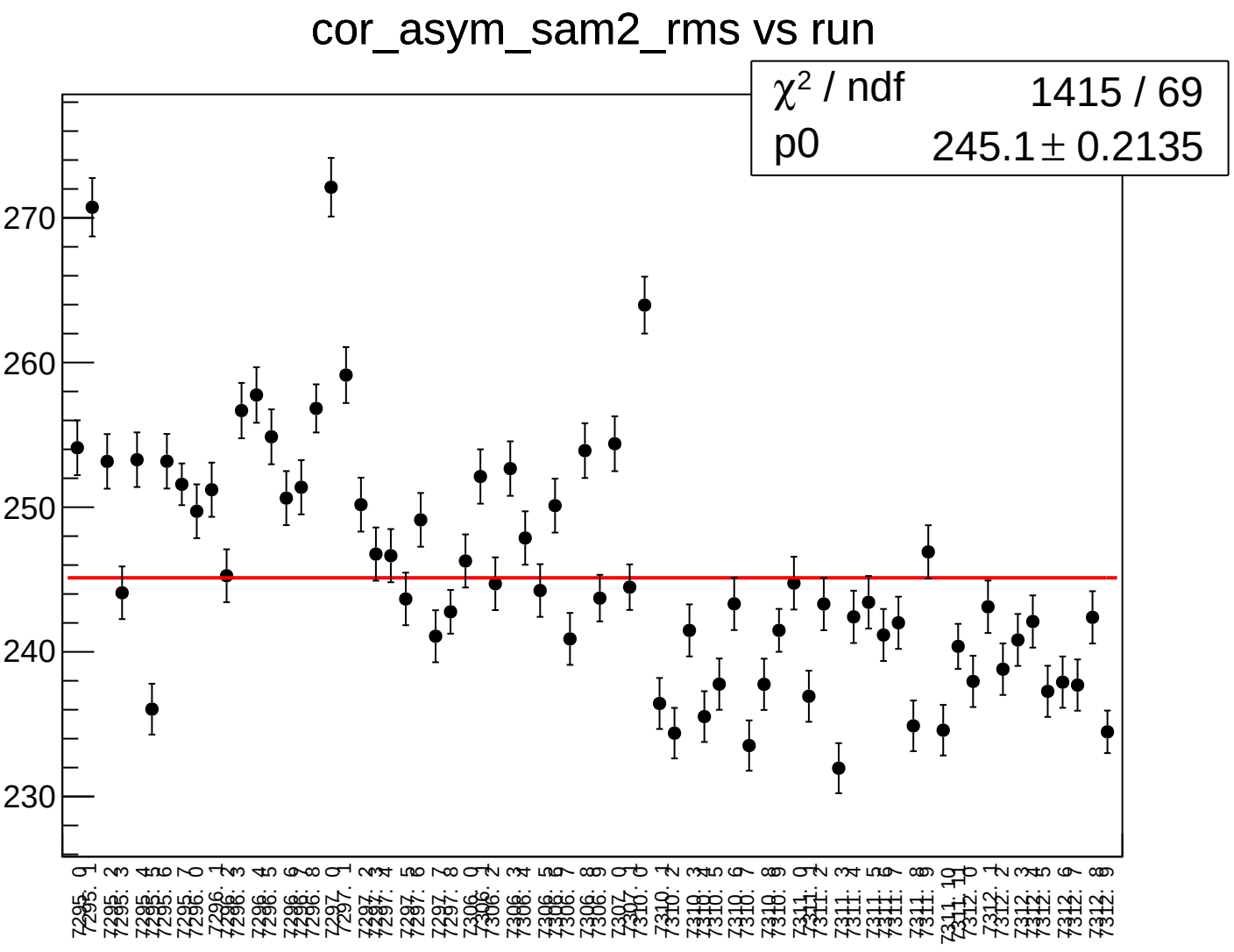

asym_sam2_reg_correction_mean vs run
χ² / ndf 68.76 / 69
p0 −1763 ± 2243
pull
Entries 70
Mean 78.37
Std Dev 0

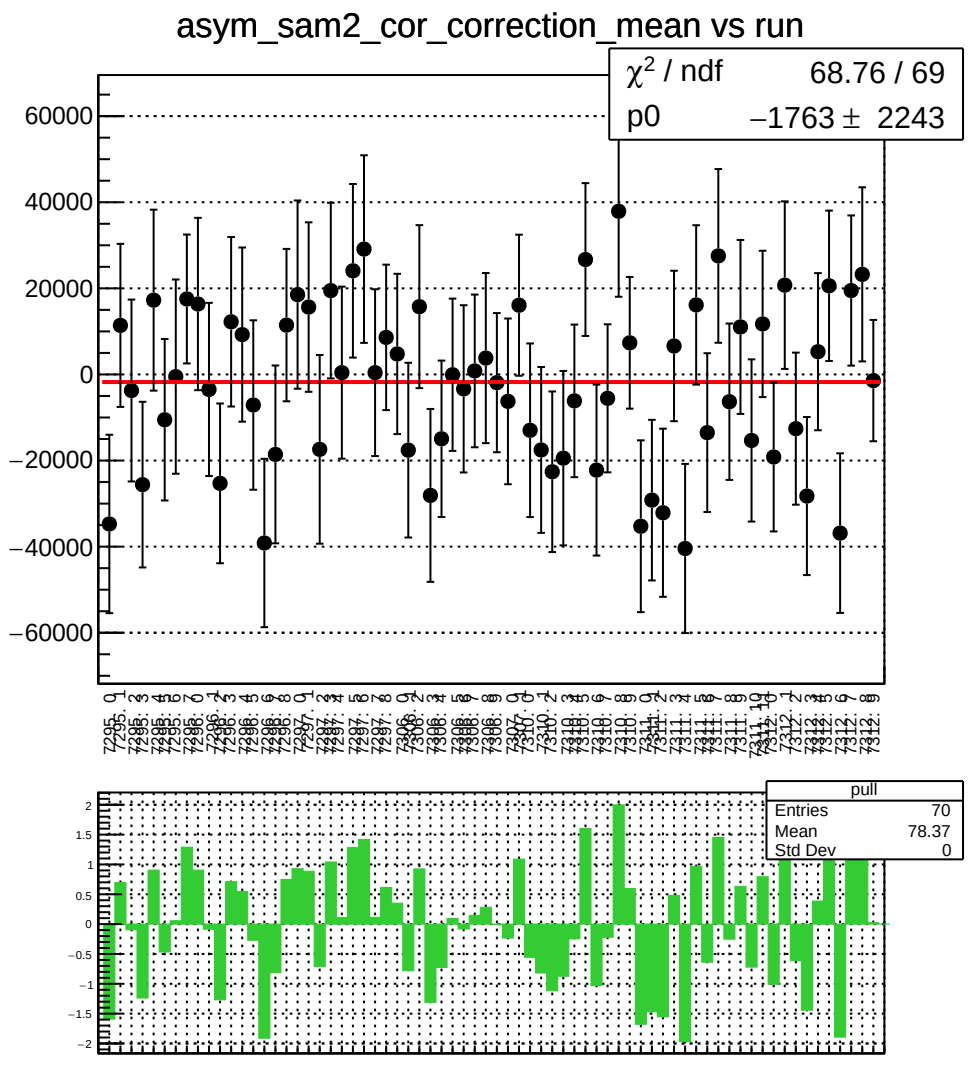

pull1D
Entries 70
Mean −0.01054
Std Dev 0.9911

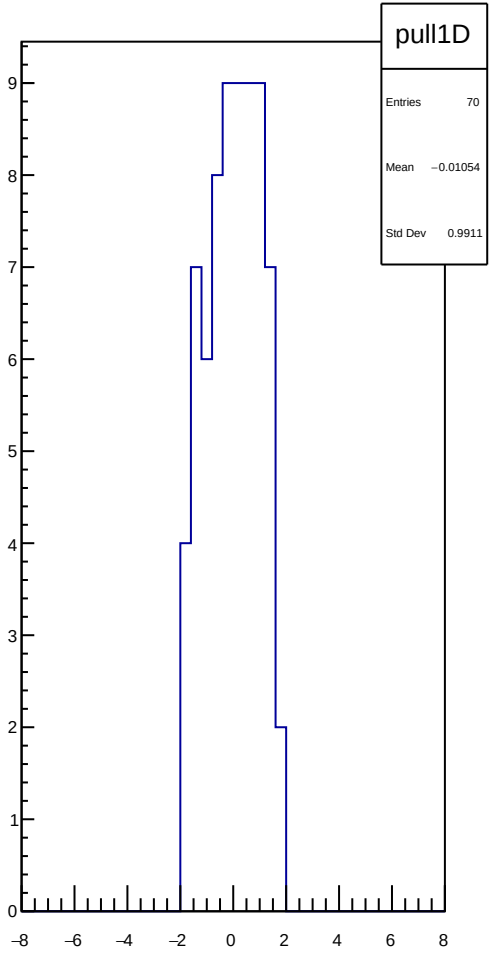

asym_sam2_reg_correction_rms vs run
χ² / ndf 5174 / 69
p0 1818 ± 1.586
2200
2100
2000
1900
1800
1700
1600

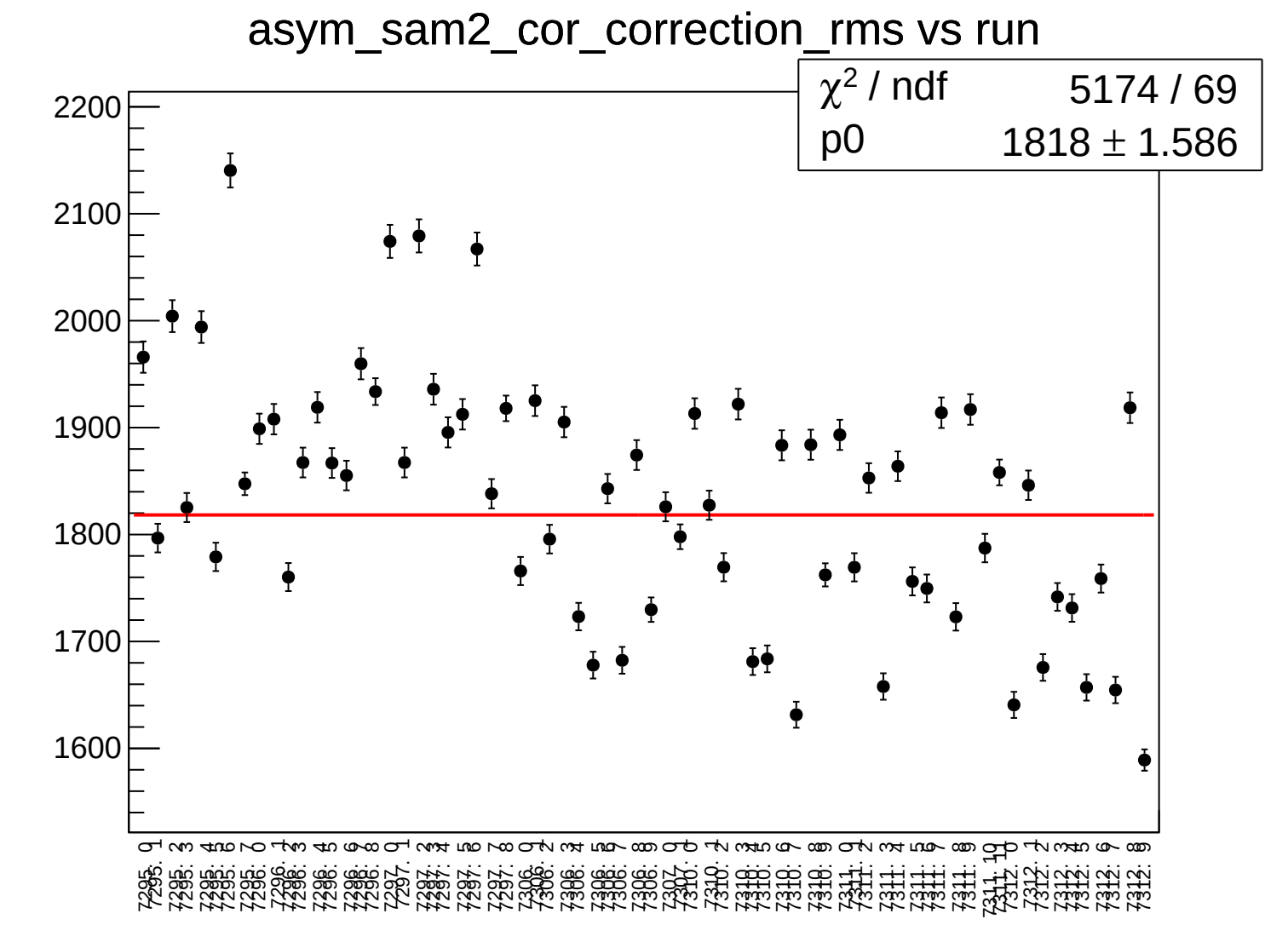

cor_asym_sam2_mean vs run
χ² / ndf 60.09 / 69
p0 33.24 ± 302
pull
Entries 70
Mean 147.6
Std Dev 0

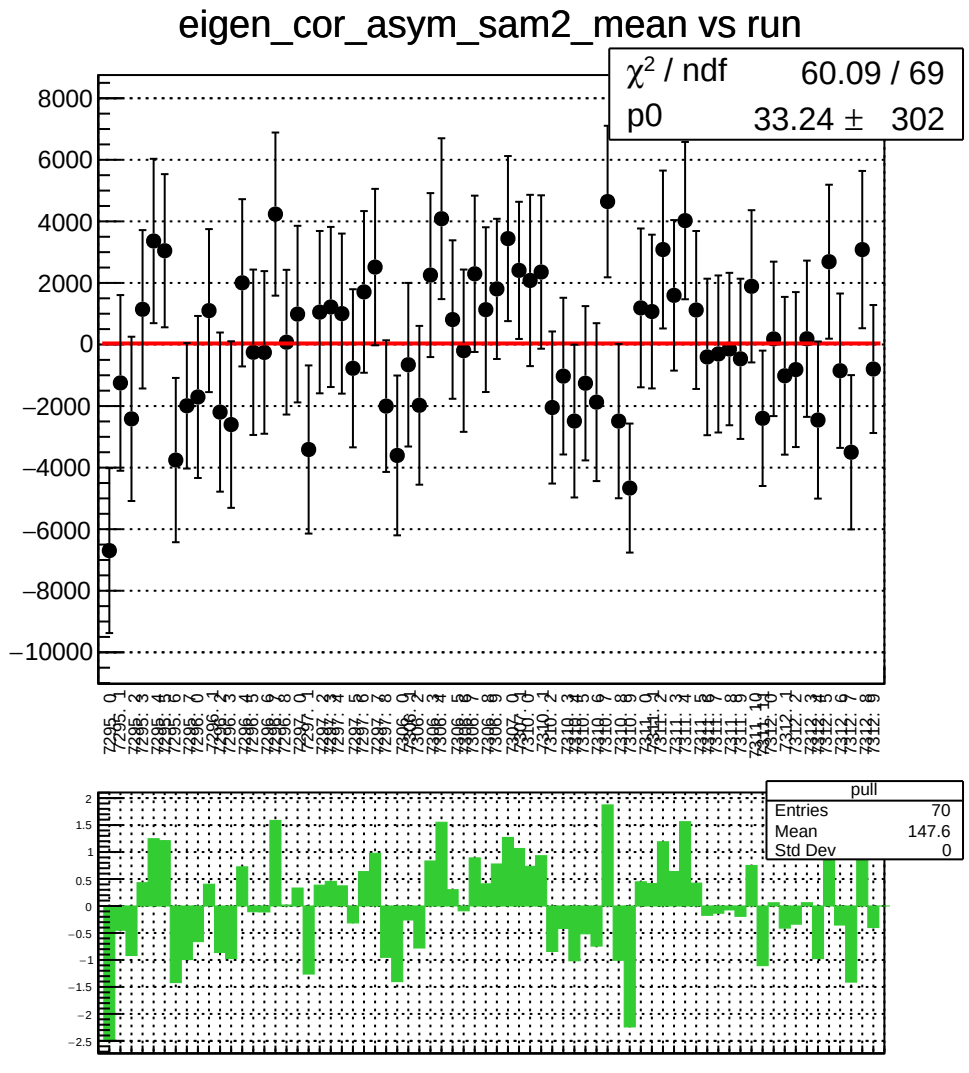

pull1D
Entries 70
Mean 0.01194
Std Dev 0.9264

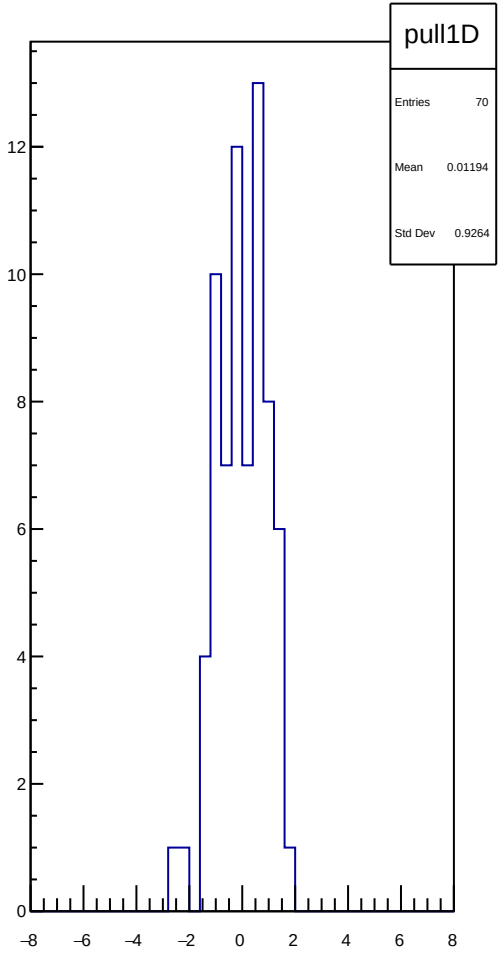

cor_asym_sam2_rms vs run
χ² / ndf 1415 / 69
p0 245.1 ± 0.2135
270
260
250
240
230

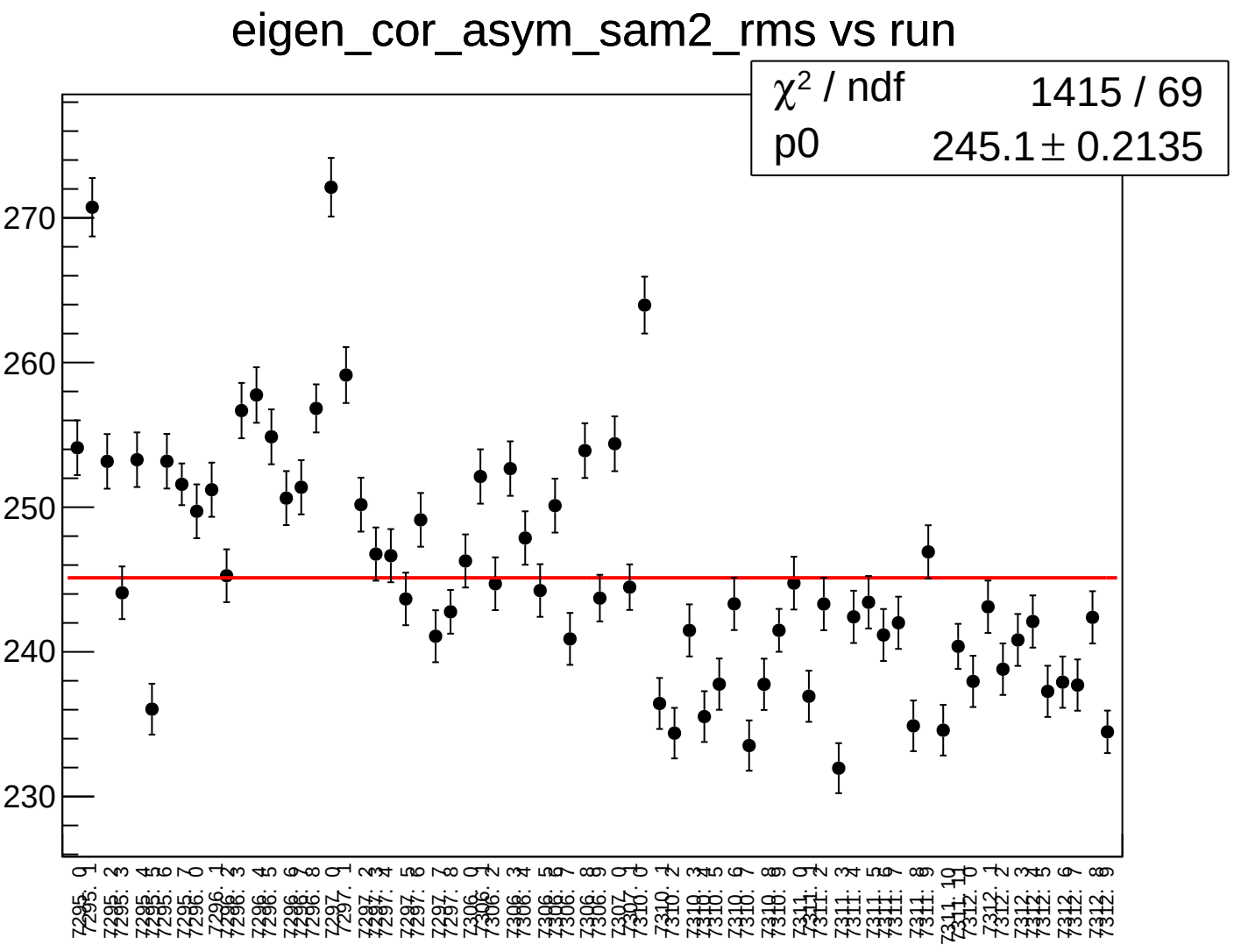

asym_sam2_cor_correction_mean vs run
χ² / ndf 68.76 / 69
p0 −1763 ± 2243
pull
Entries 70
Mean 78.37
Std Dev 0

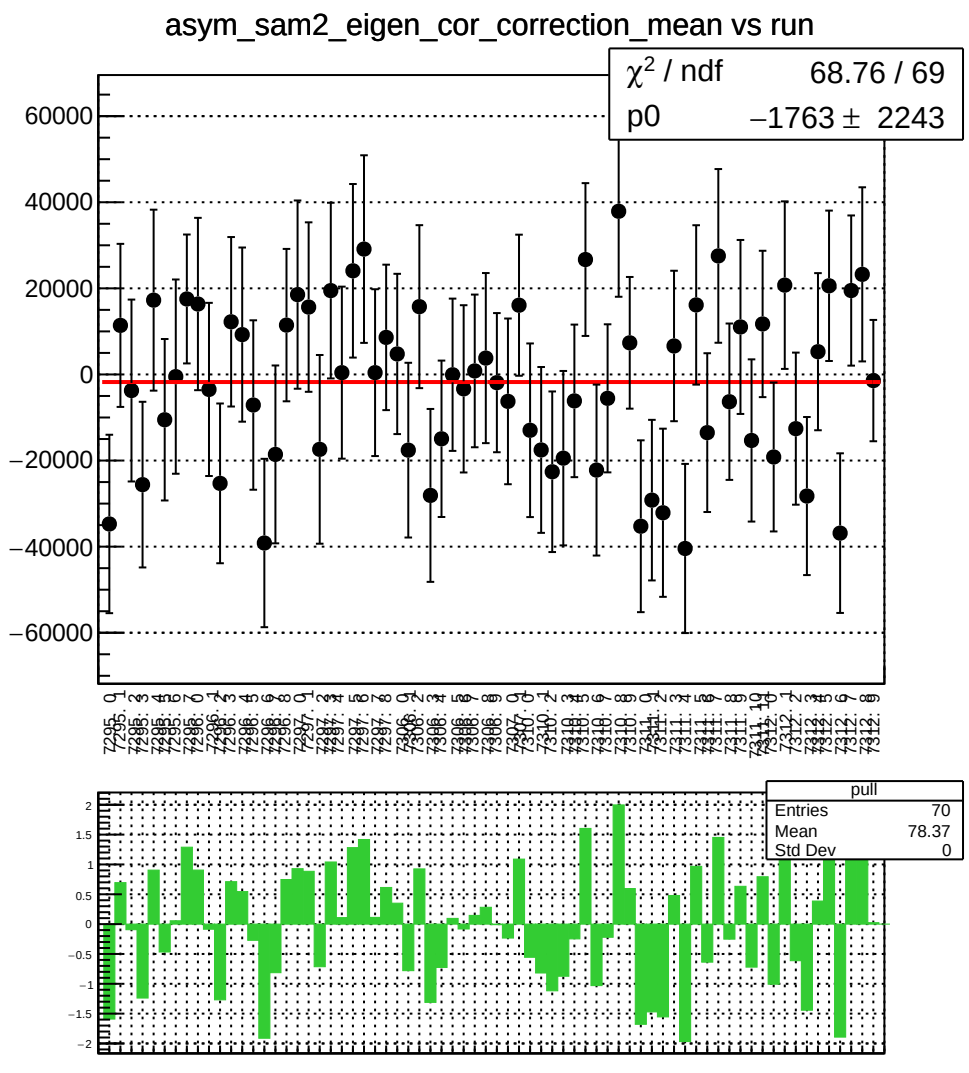

pull1D
Entries 70
Mean −0.01054
Std Dev 0.9911

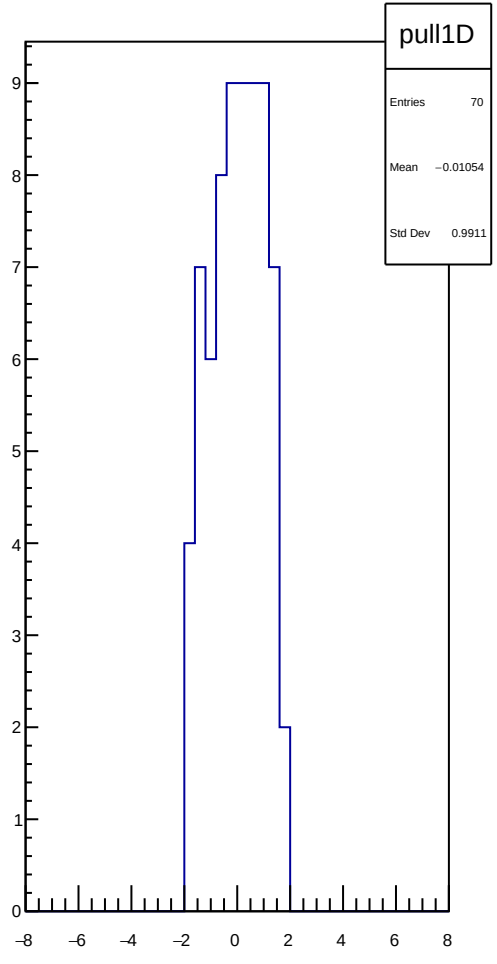

asym_sam2_cor_correction_rms vs run
χ² / ndf 5174 / 69
p0 1818 ± 1.586
2200
2100
2000
1900
1800
1700
1600

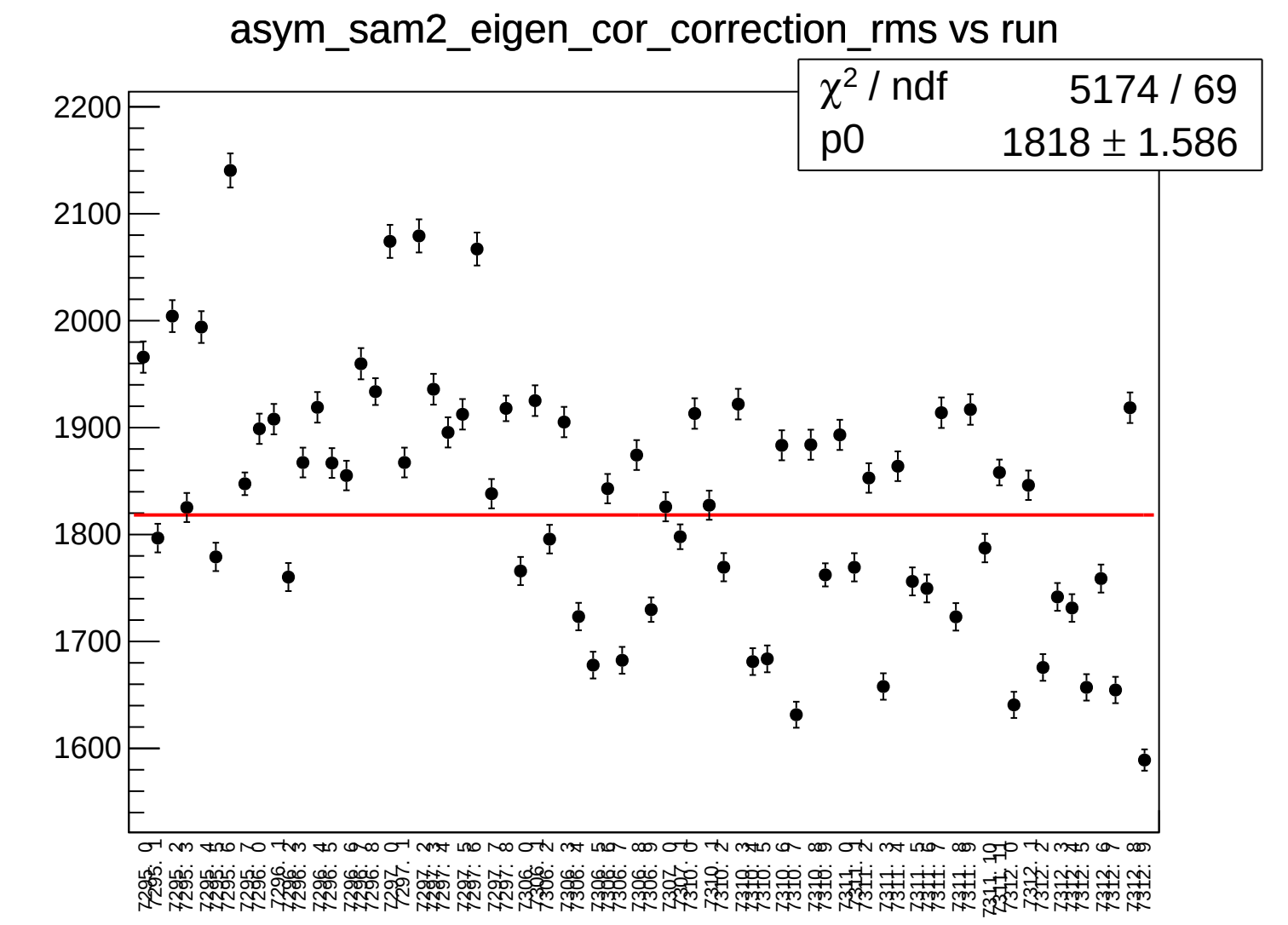

eigen_cor_asym_sam2_mean vs run
χ² / ndf 60.09 / 69
p0 33.24 ± 302
pull
Entries 70
Mean 147.6
Std Dev 0

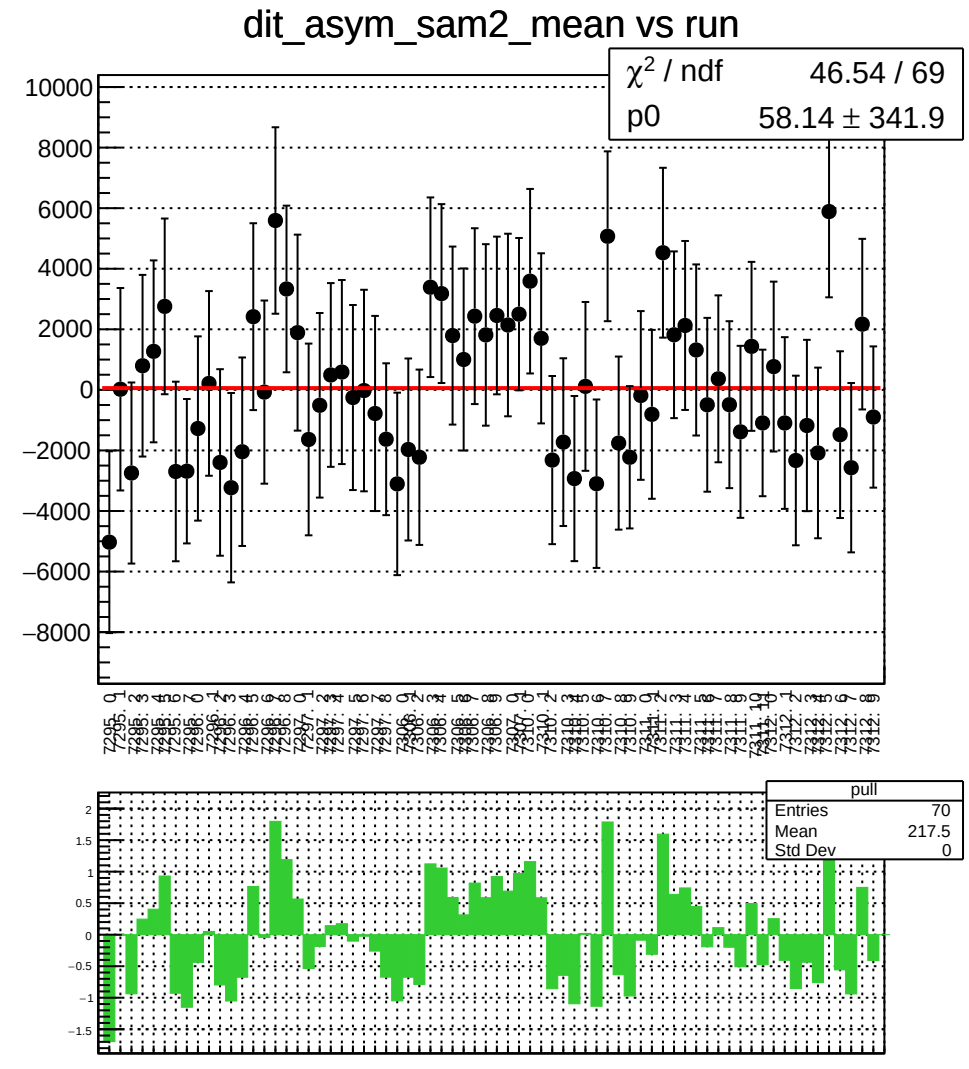

pull1D
Entries 70
Mean 0.01194
Std Dev 0.9264

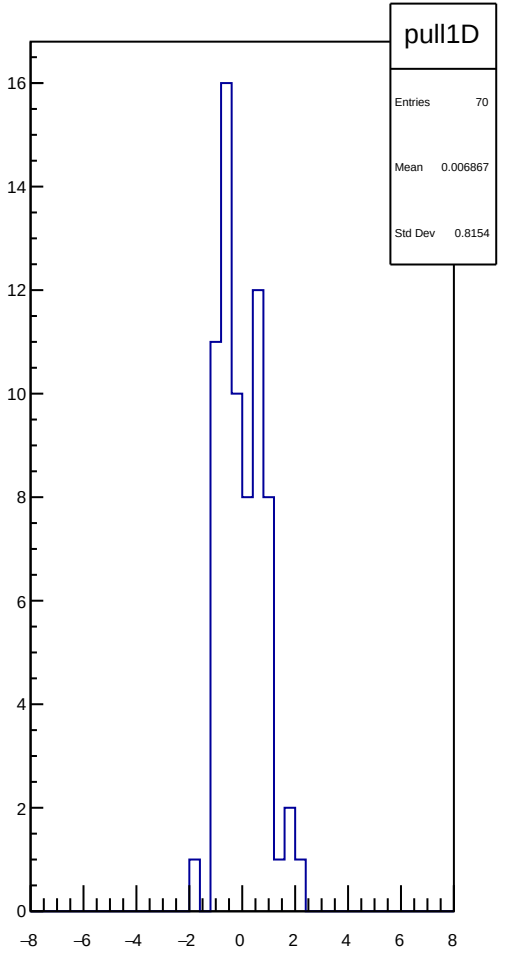

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1415 / 69
p0 245.1 ± 0.2135
270
260
250
240
230

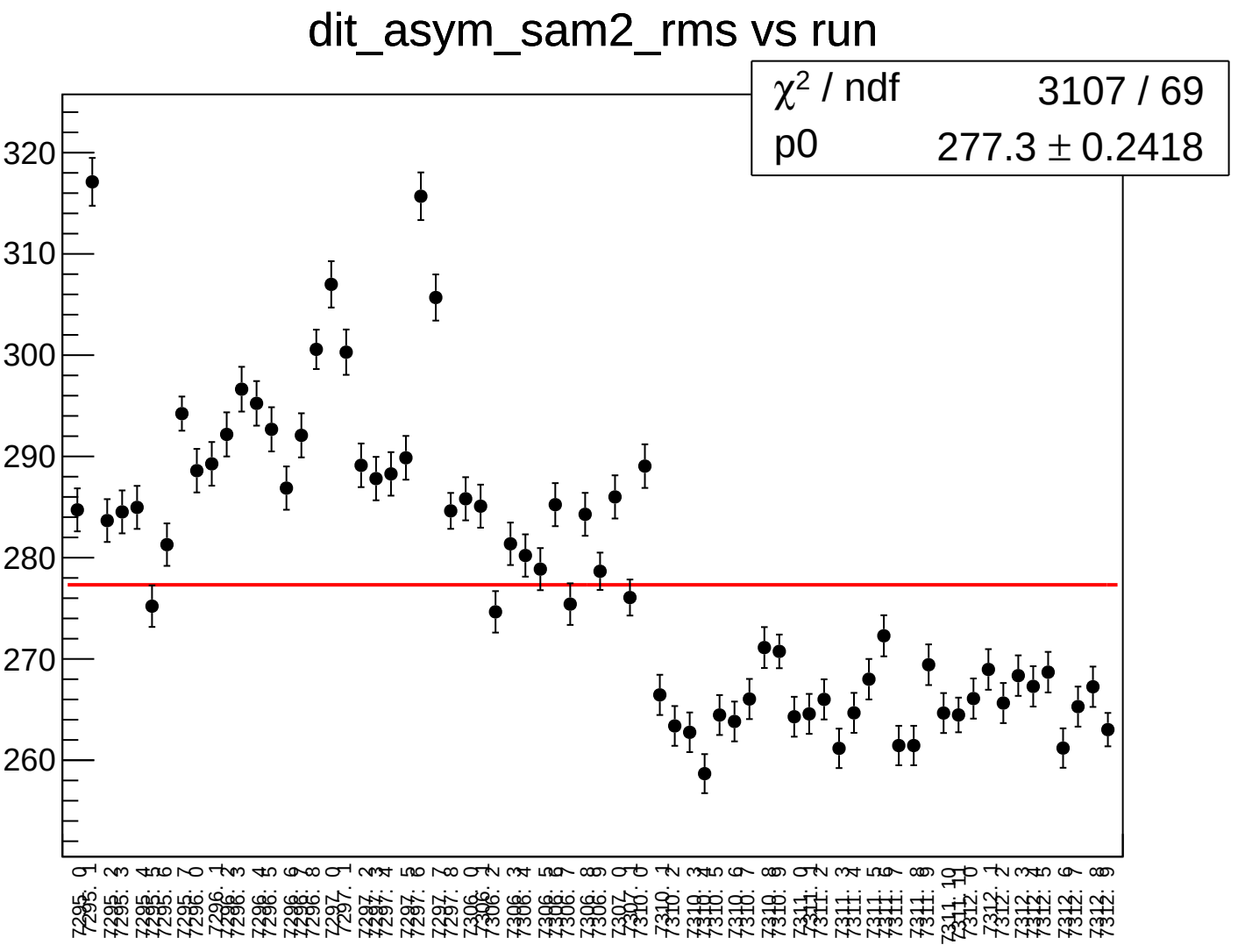

asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 68.76 / 69
p0 −1763 ± 2243
pull
Entries 70
Mean 78.37
Std Dev 0

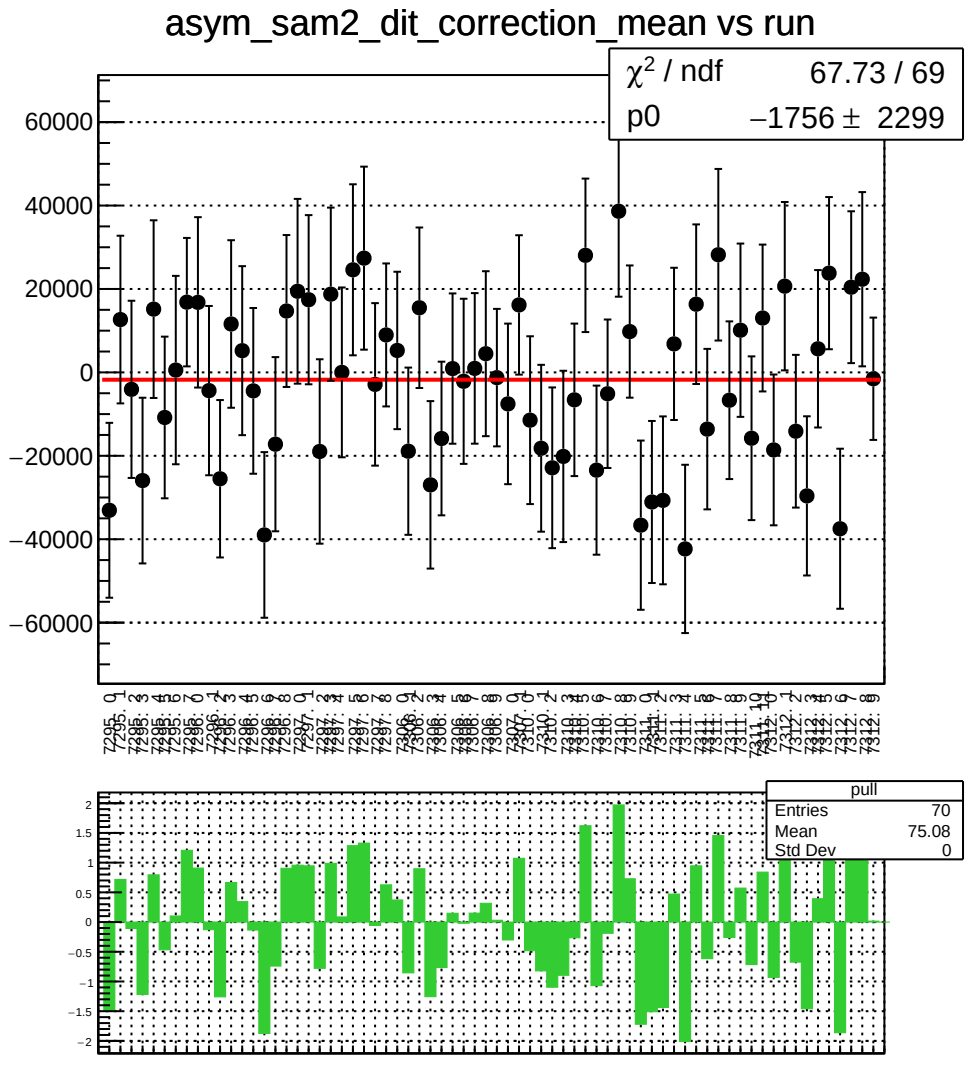

pull1D
Entries 70
Mean −0.01054
Std Dev 0.9911

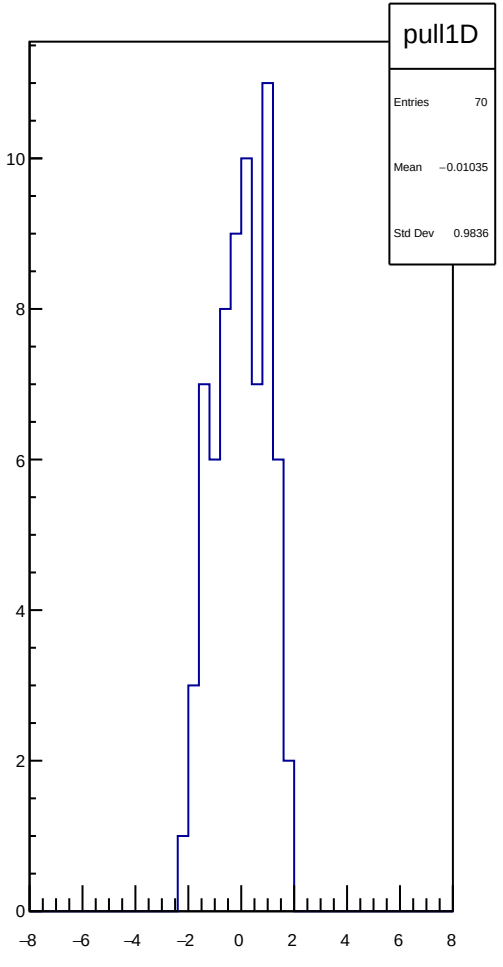

asym_sam2_eigen_cor_correction_rms vs run
χ^2 / ndf 5174 / 69
p0 1818 ± 1.586
2200
2100
2000
1900
1800
1700
1600

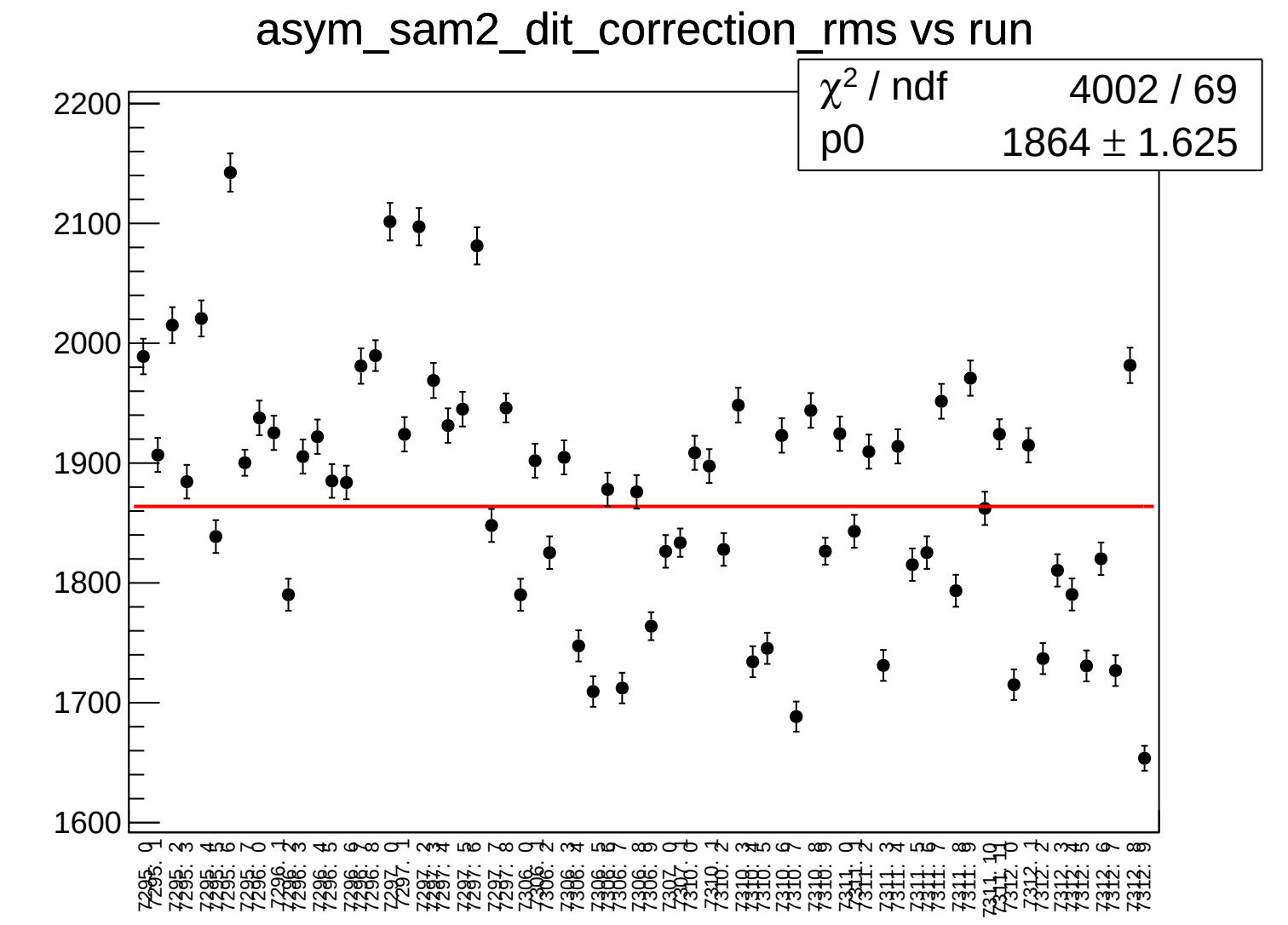

dit_asym_sam2_mean vs run
χ² / ndf 46.54 / 69
p0 58.14 ± 341.9
pull
Entries 70
Mean 217.5
Std Dev 0

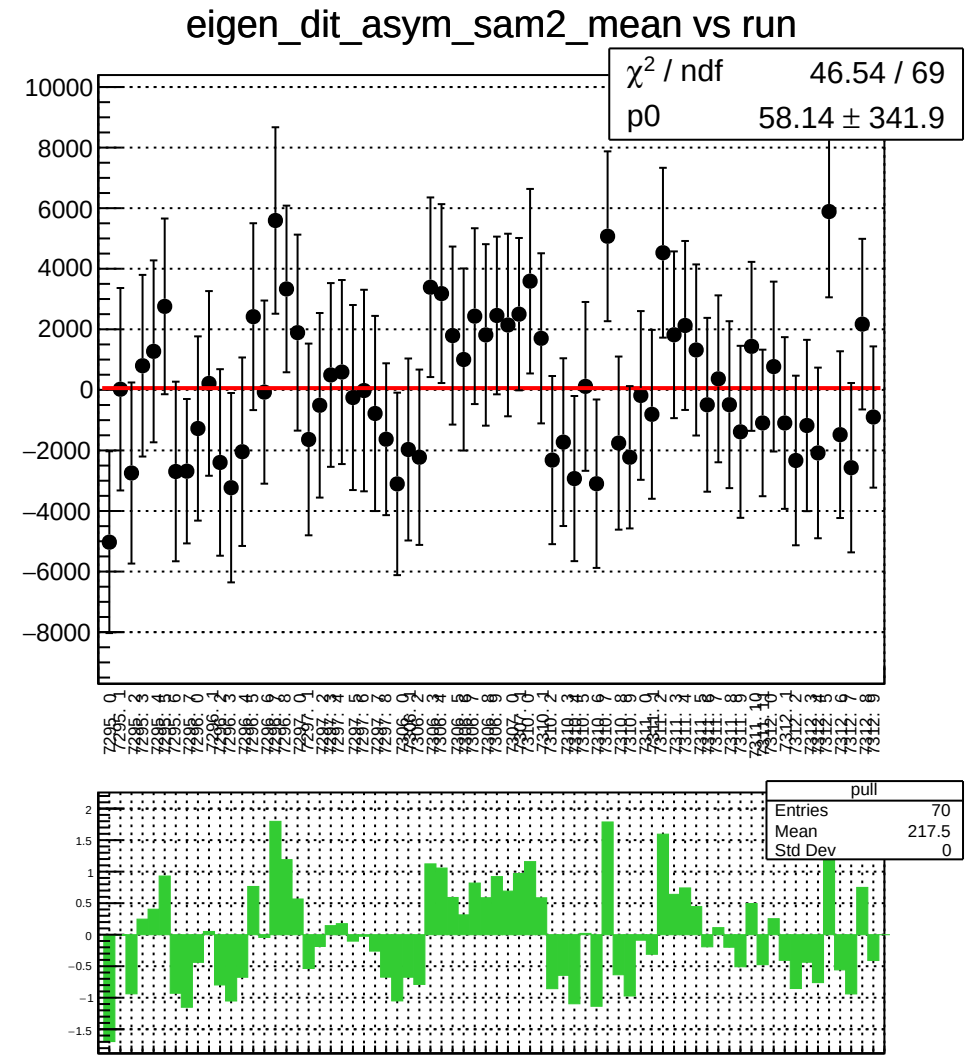

pull1D
Entries 70
Mean 0.006867
Std Dev 0.8154

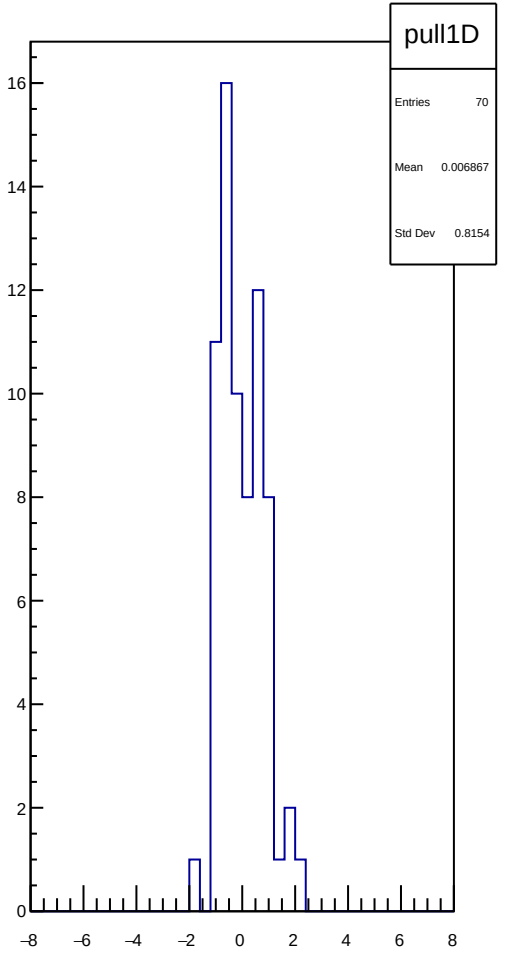

dit_asym_sam2_rms vs run
χ² / ndf 3107 / 69
p0 277.3 ± 0.2418
320
310
300
290
280
270
260

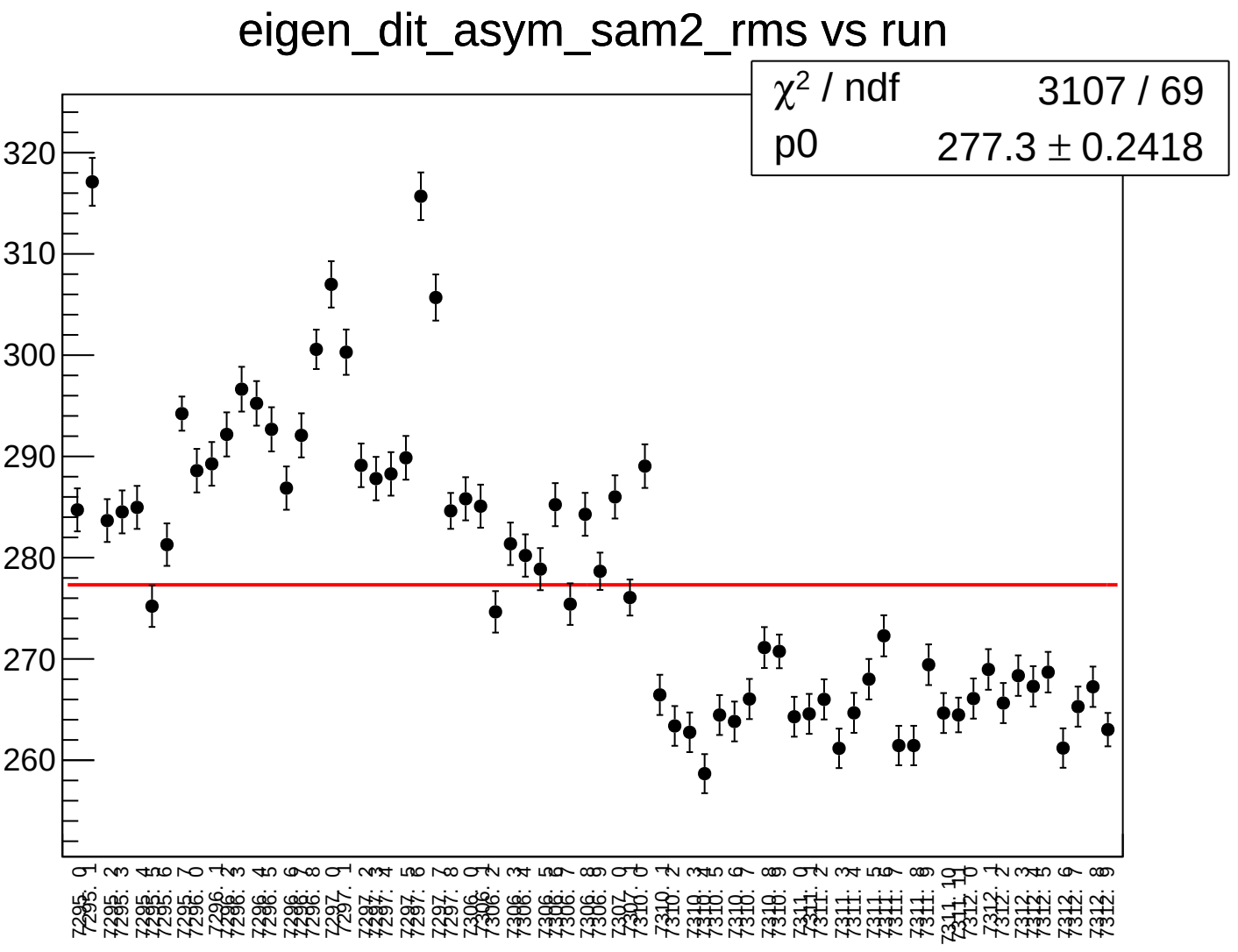

asym_sam2_dit_correction_mean vs run
χ² / ndf 67.73 / 69
p0 −1756 ± 2299
pull
Entries 70
Mean 75.08
Std Dev 0

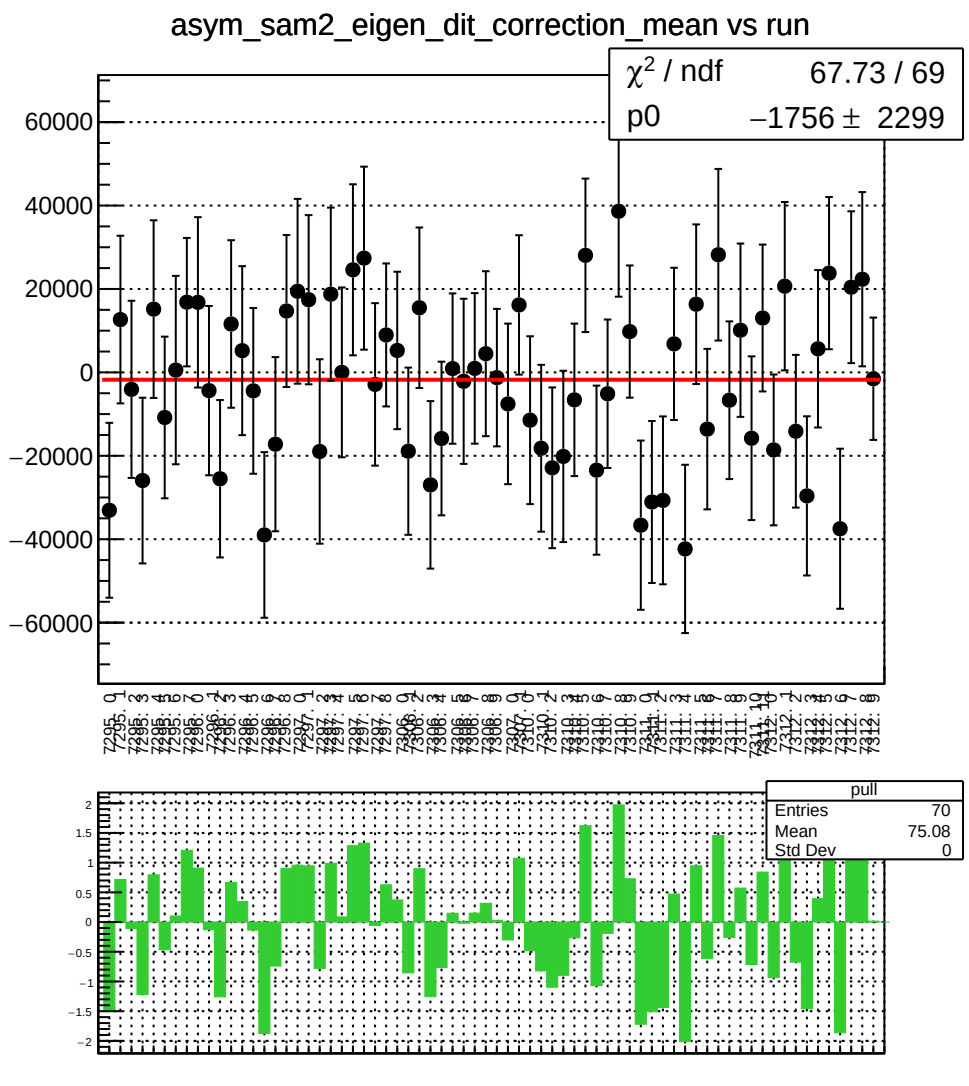

pull1D
Entries 70
Mean −0.01035
Std Dev 0.9836

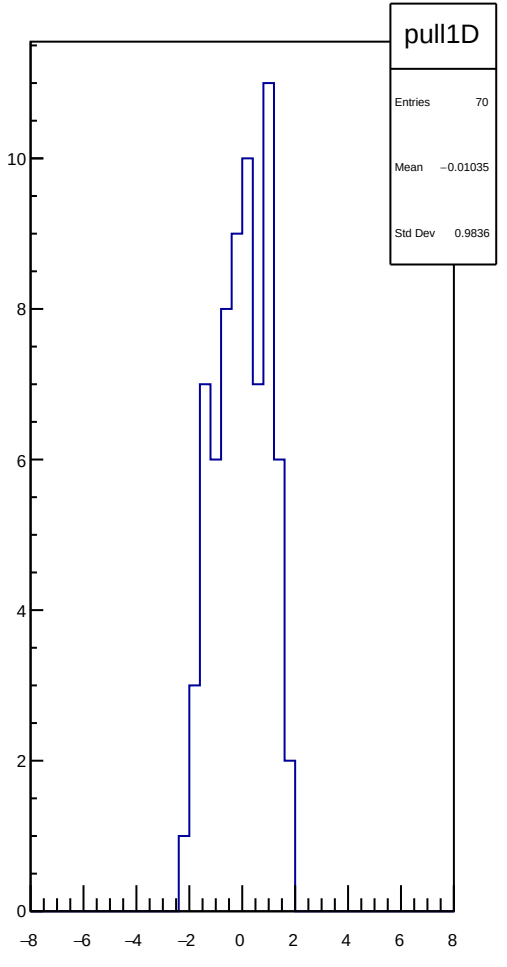

asym_sam2_dit_correction_rms vs run
χ² / ndf 4002 / 69
p0 1864 ± 1.625
2200
2100
2000
1900
1800
1700
1600

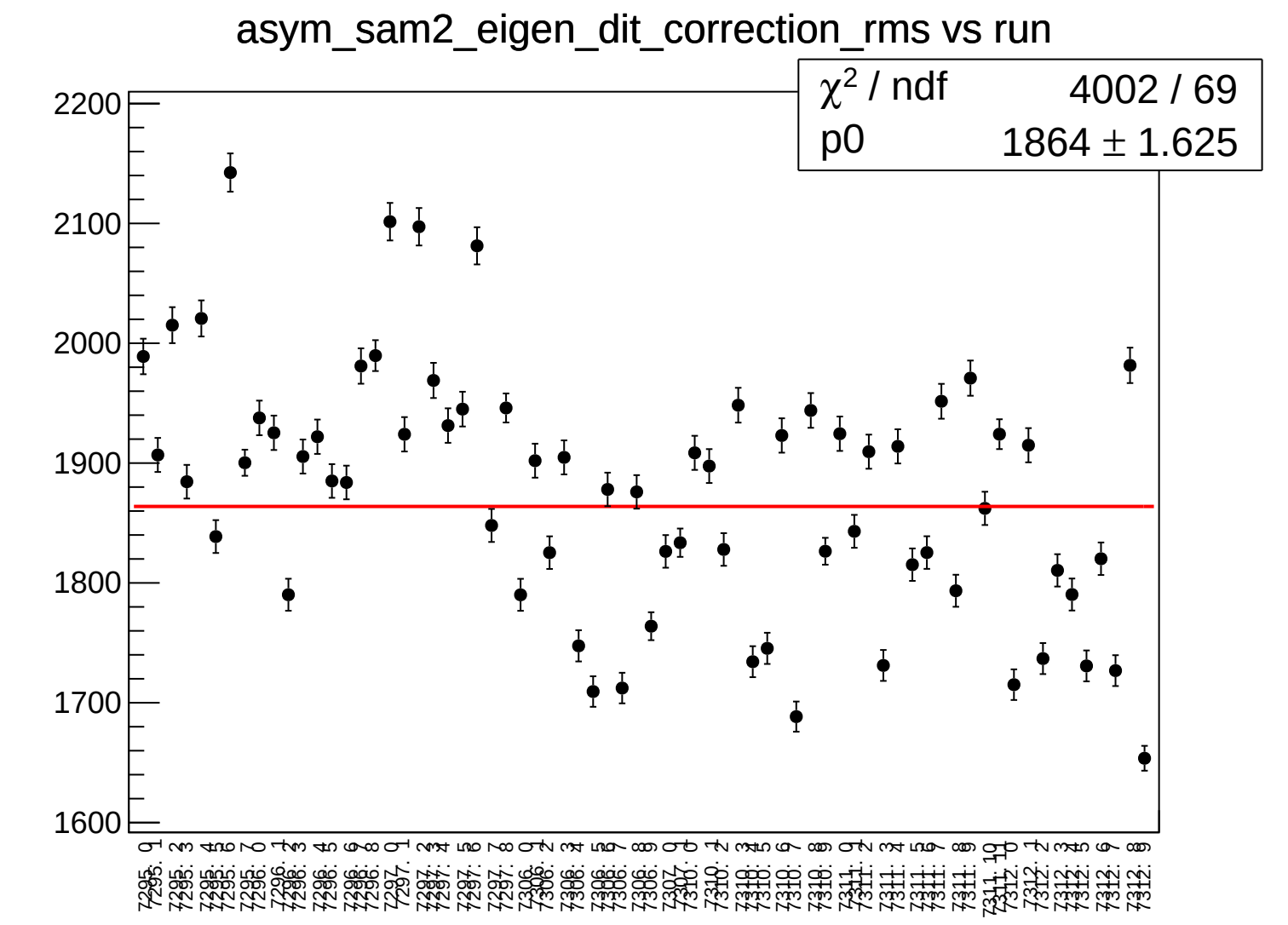

eigen_dit_asym_sam2_mean vs run
χ² / ndf 46.54 / 69
p0 58.14 ± 341.9
pull
Entries 70
Mean 217.5
Std Dev 0

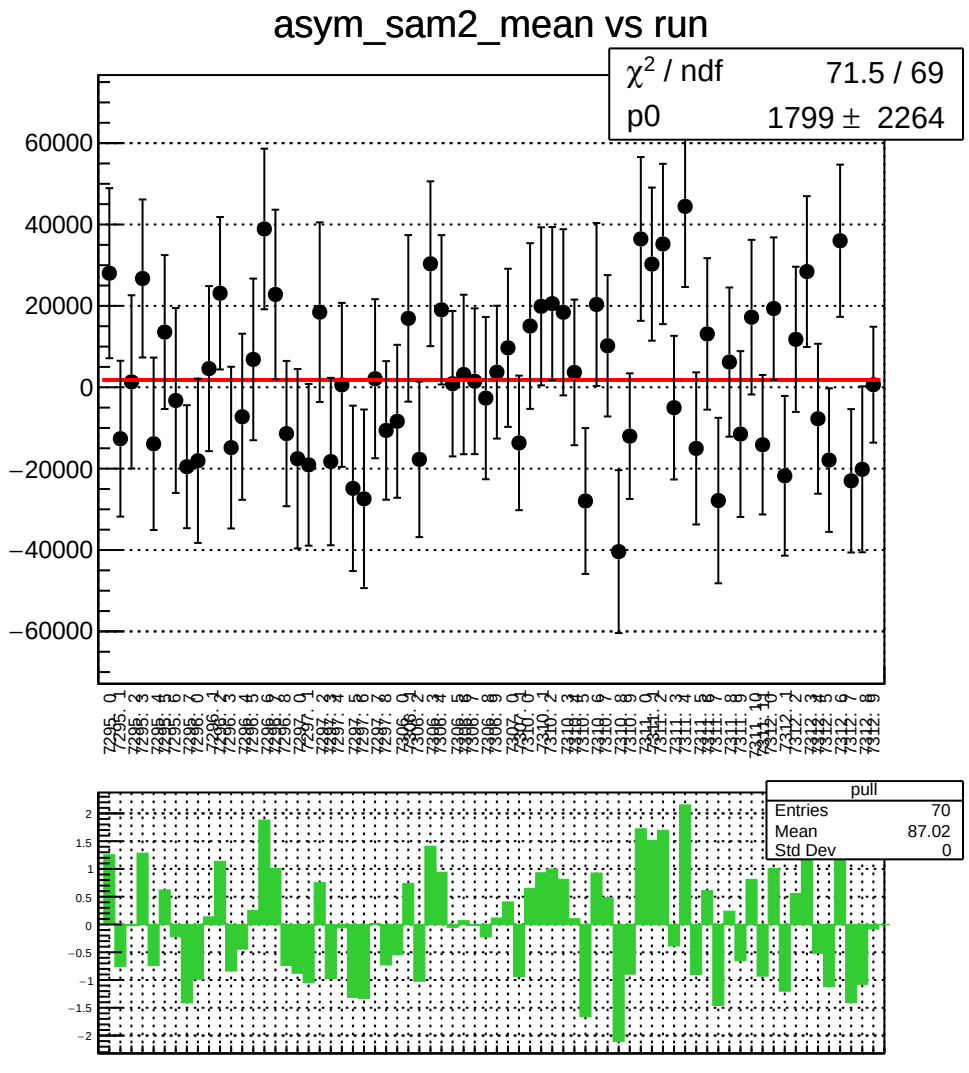

pull1D
Entries 70
Mean 0.006867
Std Dev 0.8154

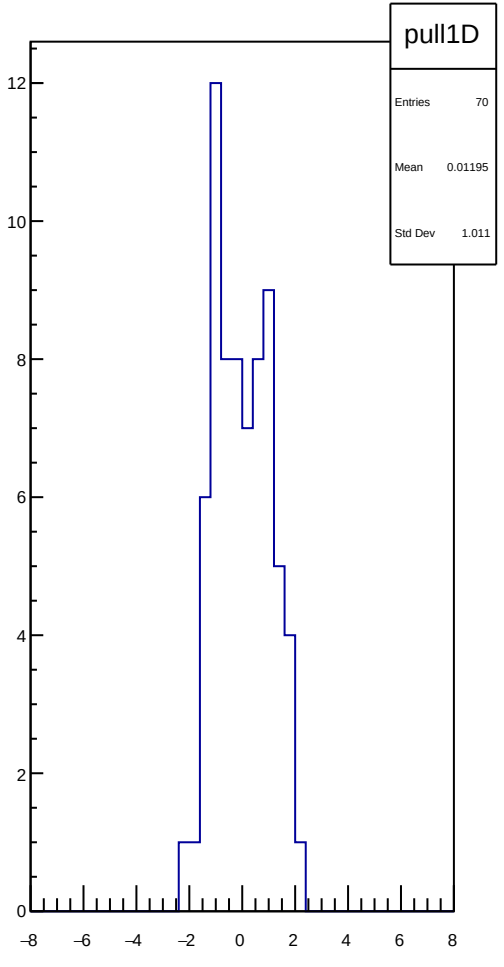

eigen_dit_asym_sam2_rms vs run
χ² / ndf 3107 / 69
p0 277.3 ± 0.2418
320
310
300
290
280
270
260

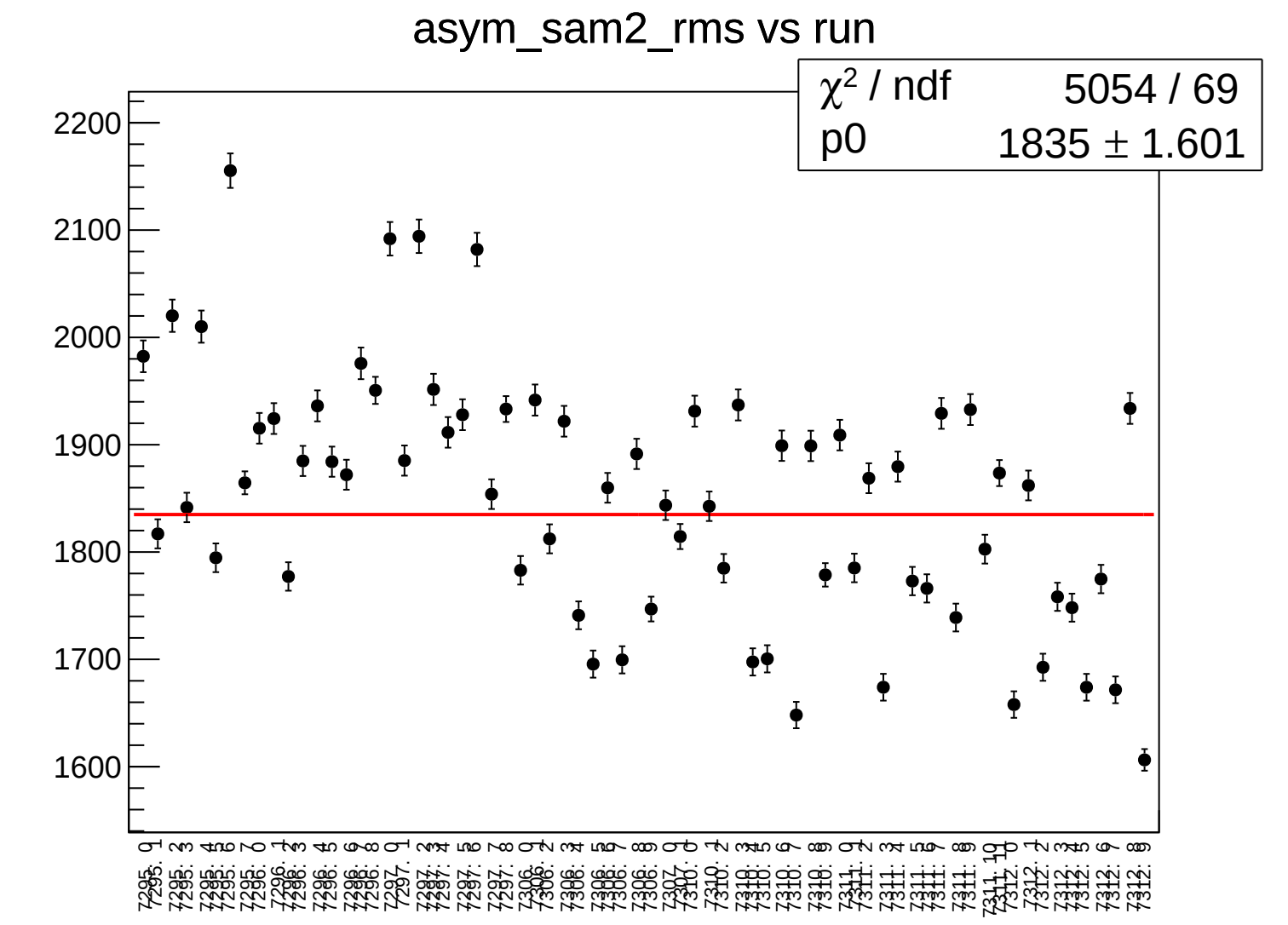

asym_sam2_eigen_dit_correction_mean vs run
χ² / ndf 67.73 / 69
p0 −1756 ± 2299
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 75.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

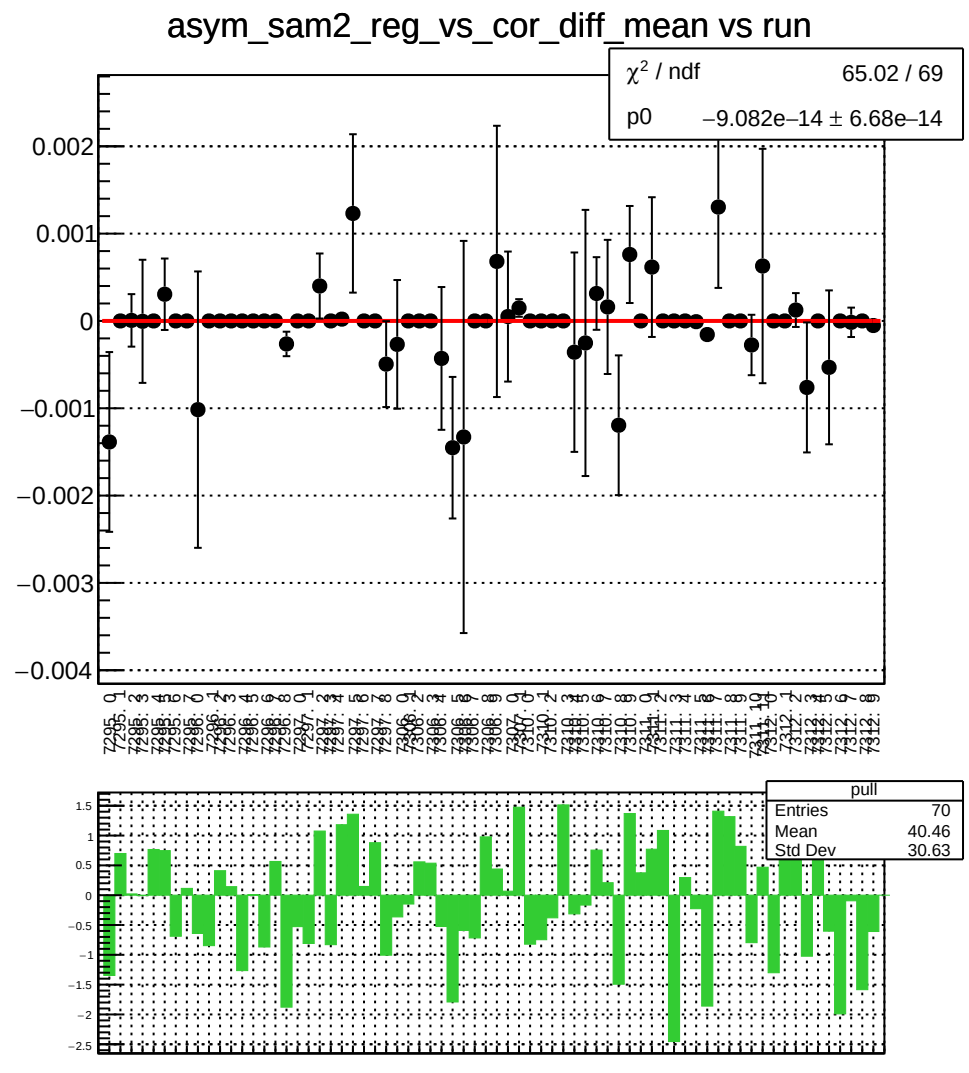

pull1D
Entries 70
Mean −0.01035
Std Dev 0.9836
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

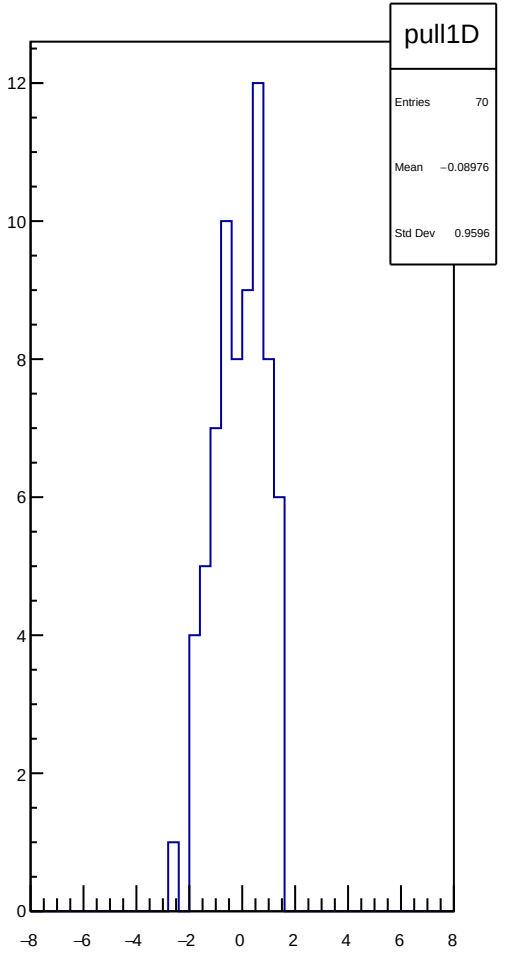

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 4002 / 69
p0 1864 ± 1.625
2200
2100
2000
1900
1800
1700
1600

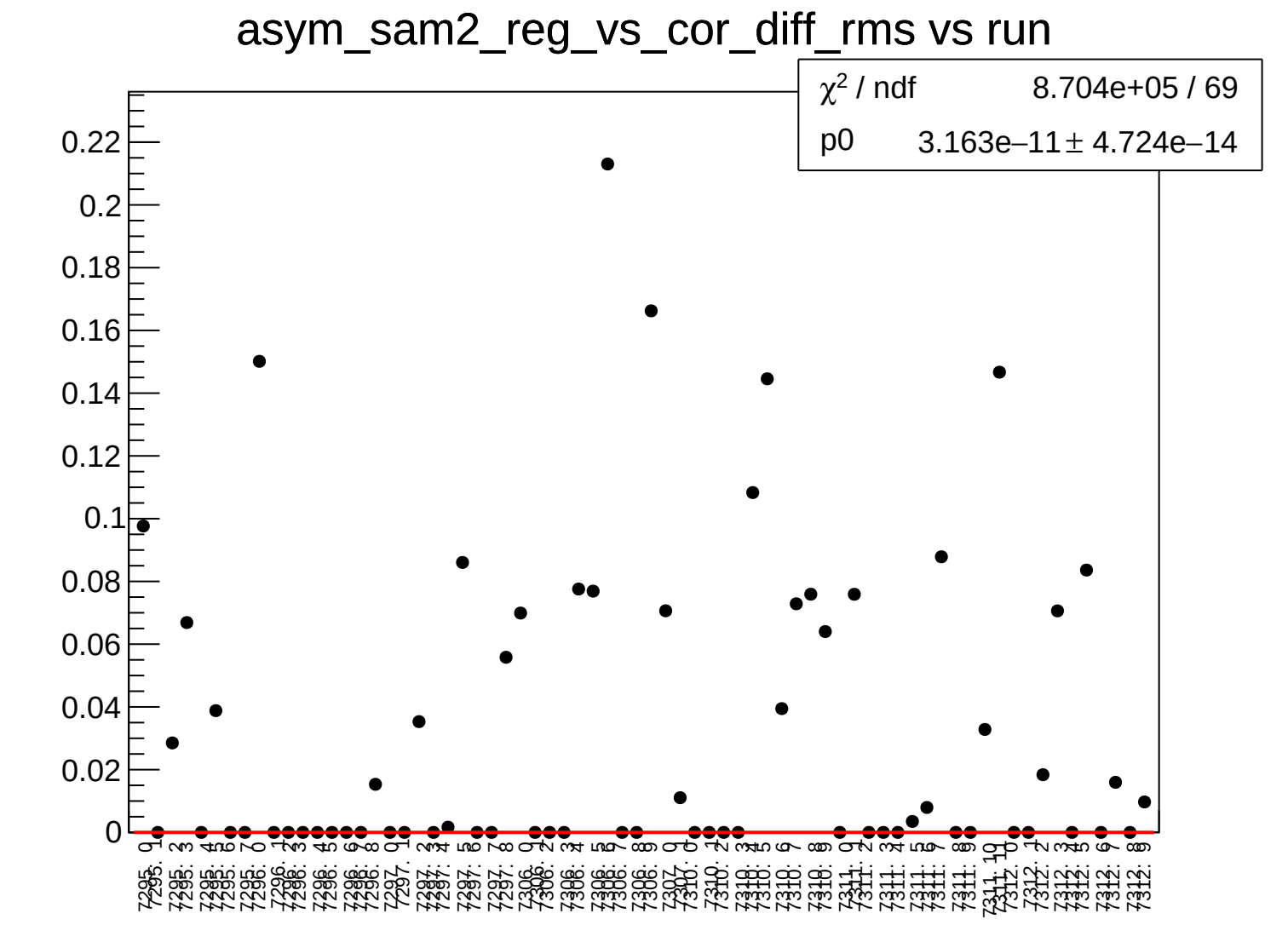

asym_sam2_mean vs run
χ^2 / ndf 71.5 / 69
p0 1799 ± 2264
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 70
Mean 87.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 70
Mean 0.01195
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

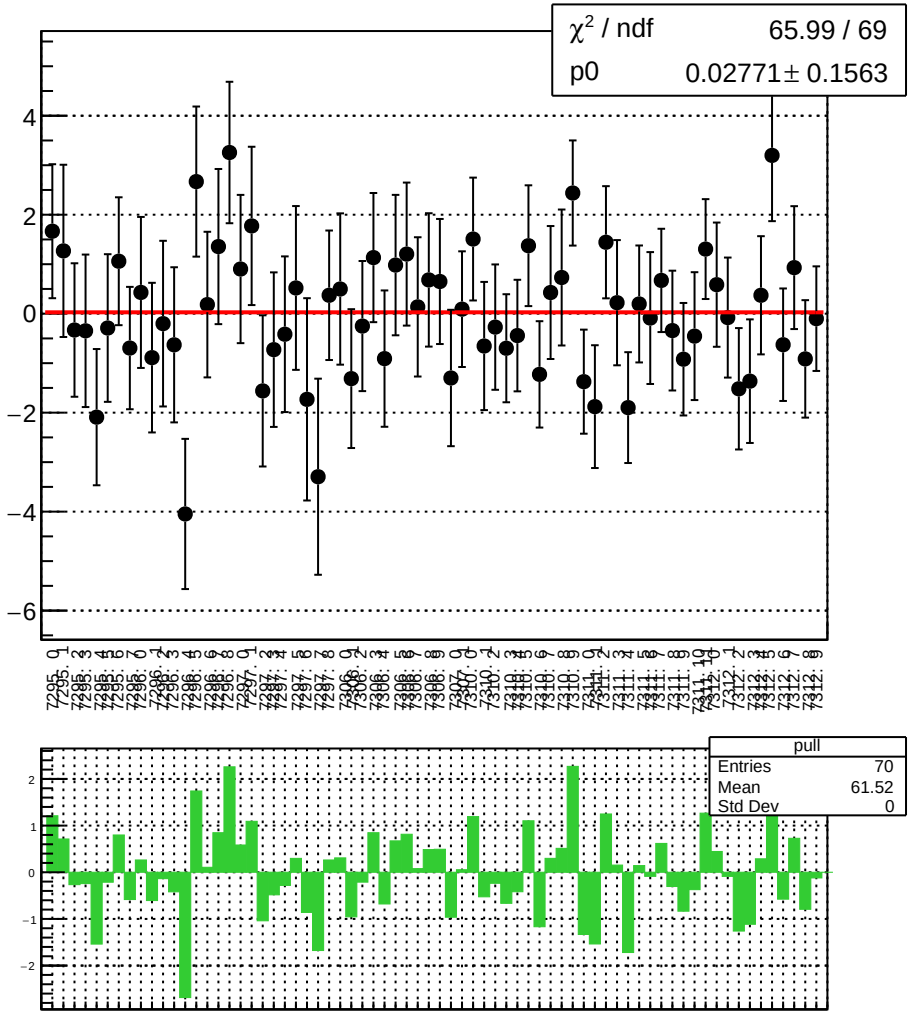

asym_sam2_rms vs run
χ² / ndf 5054 / 69
p0 1835 ± 1.601
2200
2100
2000
1900
1800
1700
1600

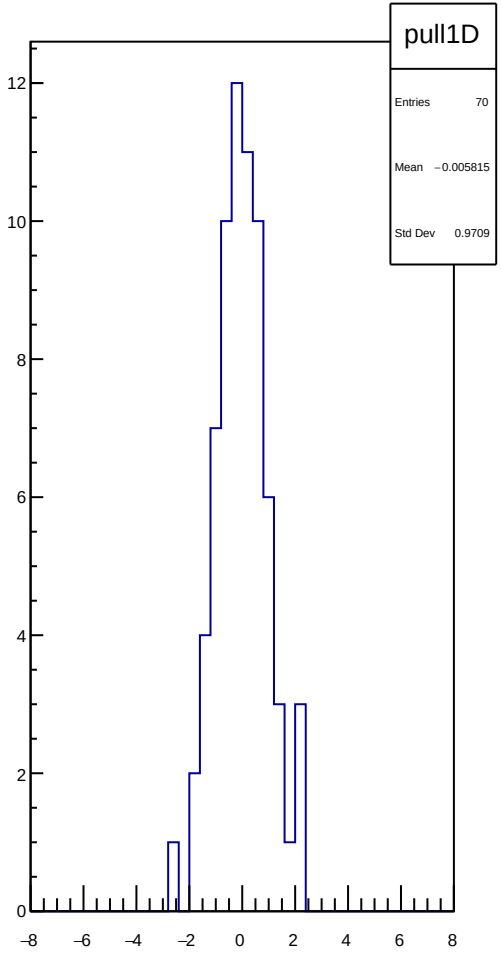

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 65.02 / 69
p0 −9.082e−14 ± 6.68e−14
pull
Entries 70
Mean 40.46
Std Dev 30.63

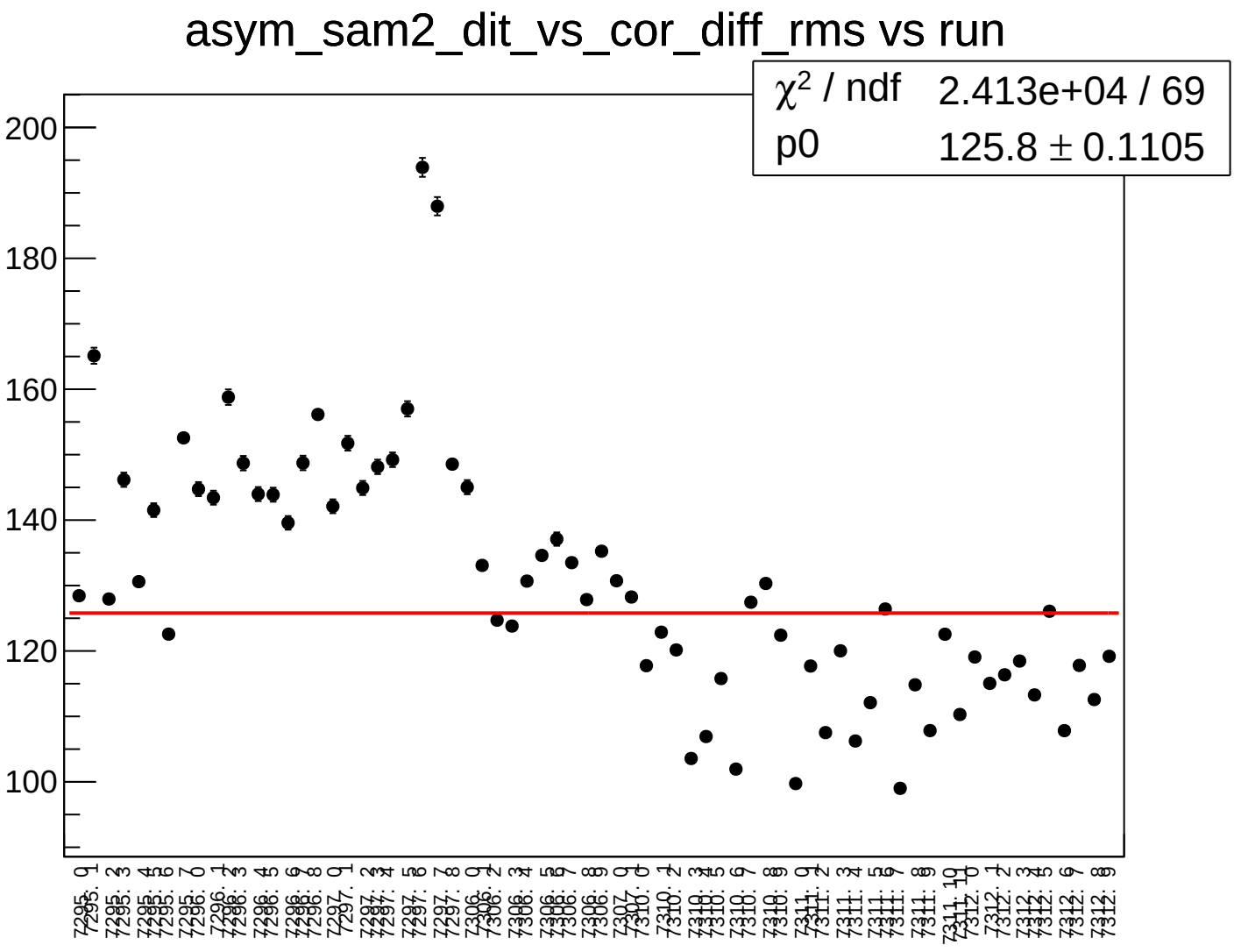

pull1D
Entries 70
Mean −0.08976
Std Dev 0.9596

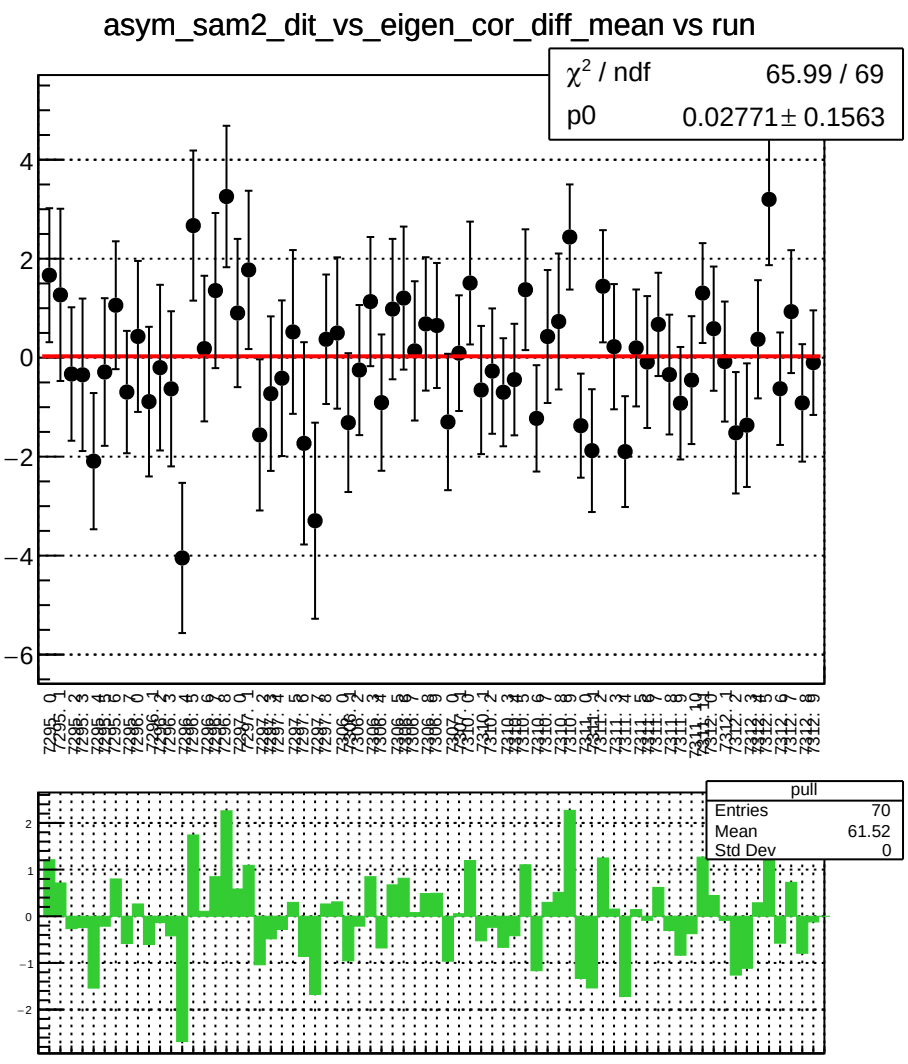

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.704e+05 / 69
p0 3.163e−11 ± 4.724e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

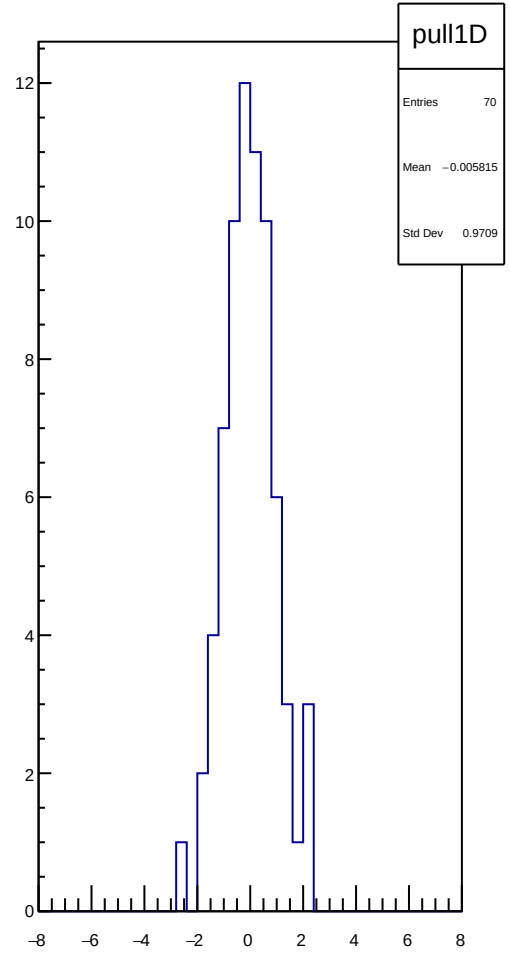
asym_sam2_dit_vs_cor_diff_mean vs run

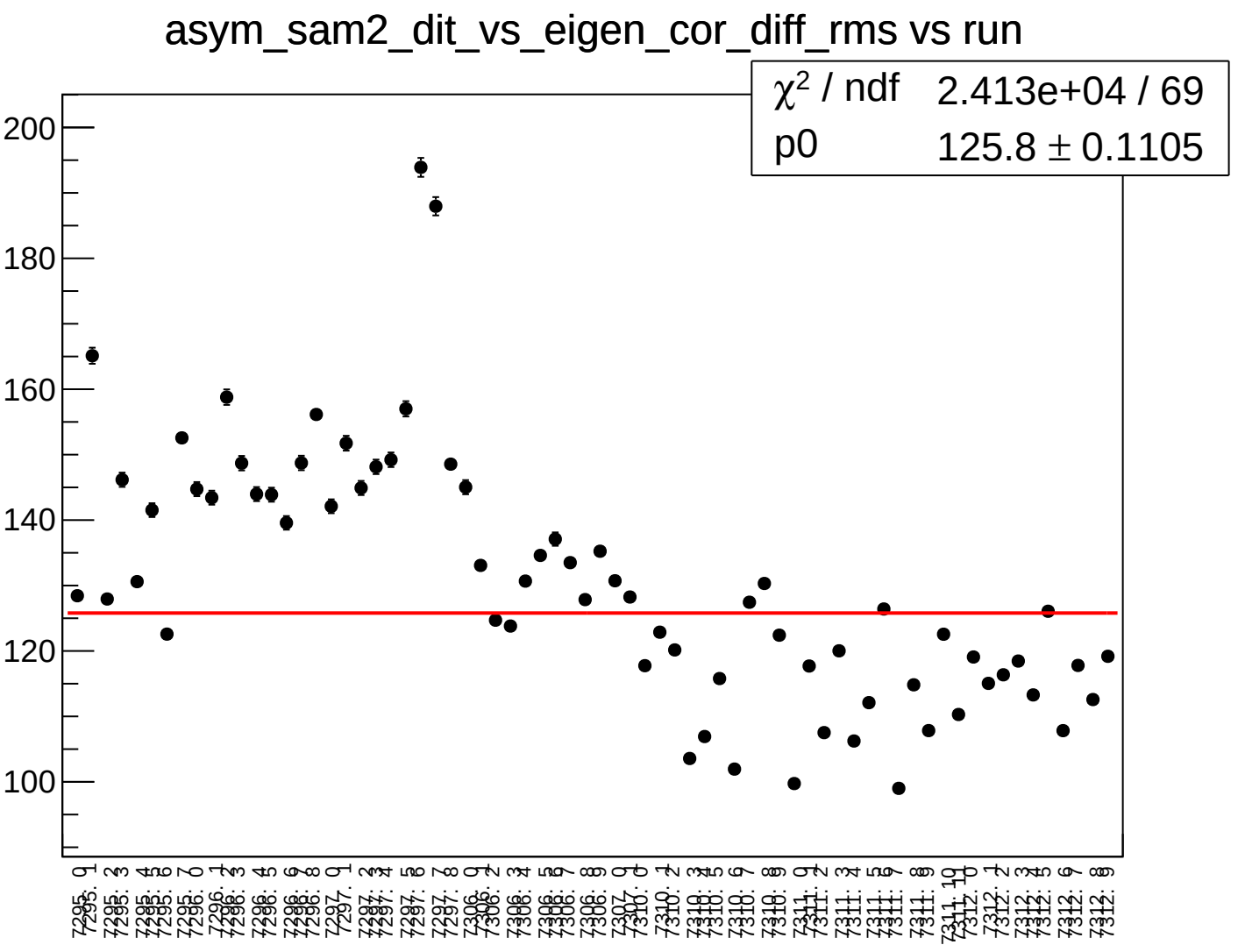


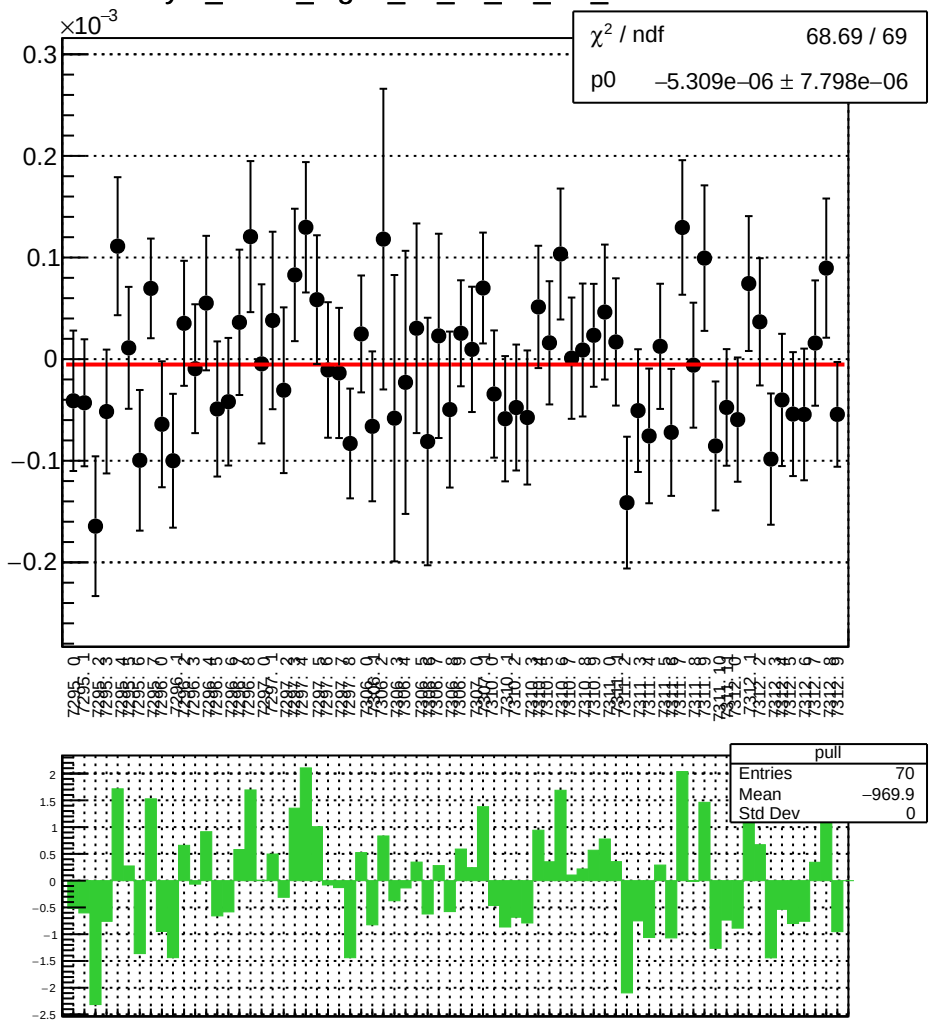


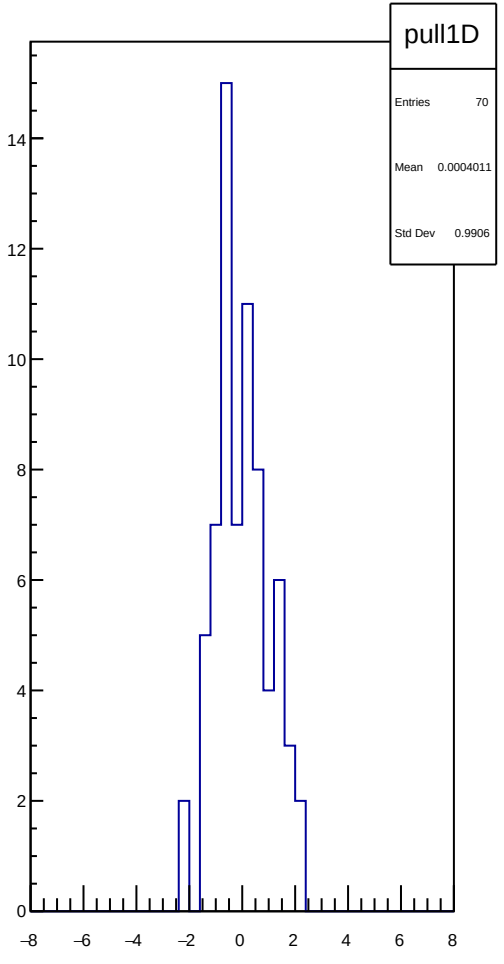

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 69
p0 125.8 ± 0.1105
200
180
160
140
120
100

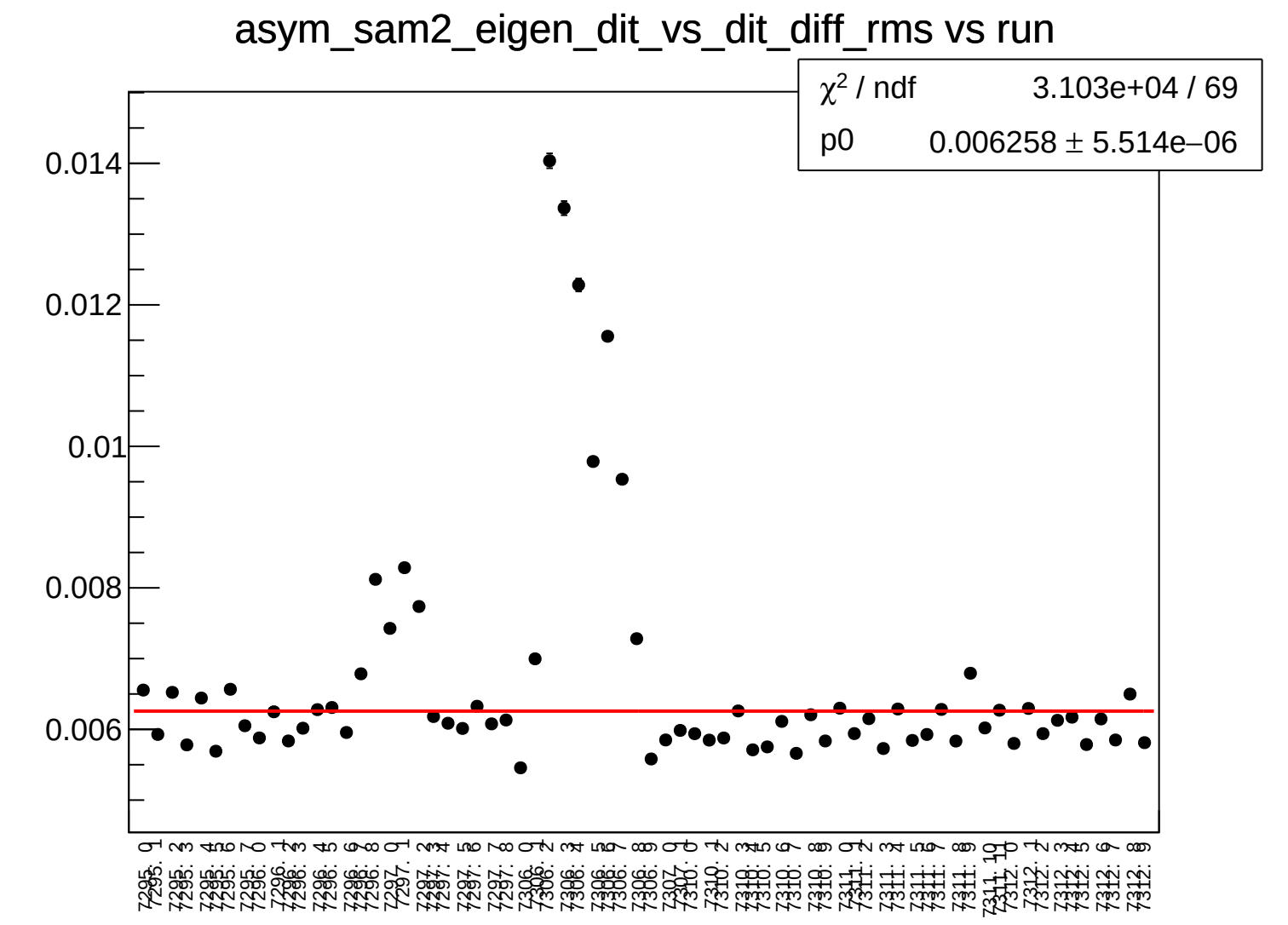

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.99 / 69
p0 0.02771 ± 0.1563
pull
Entries 70
Mean 61.52
Std Dev 0


pull1D
Entries 70
Mean −0.005815
Std Dev 0.9709

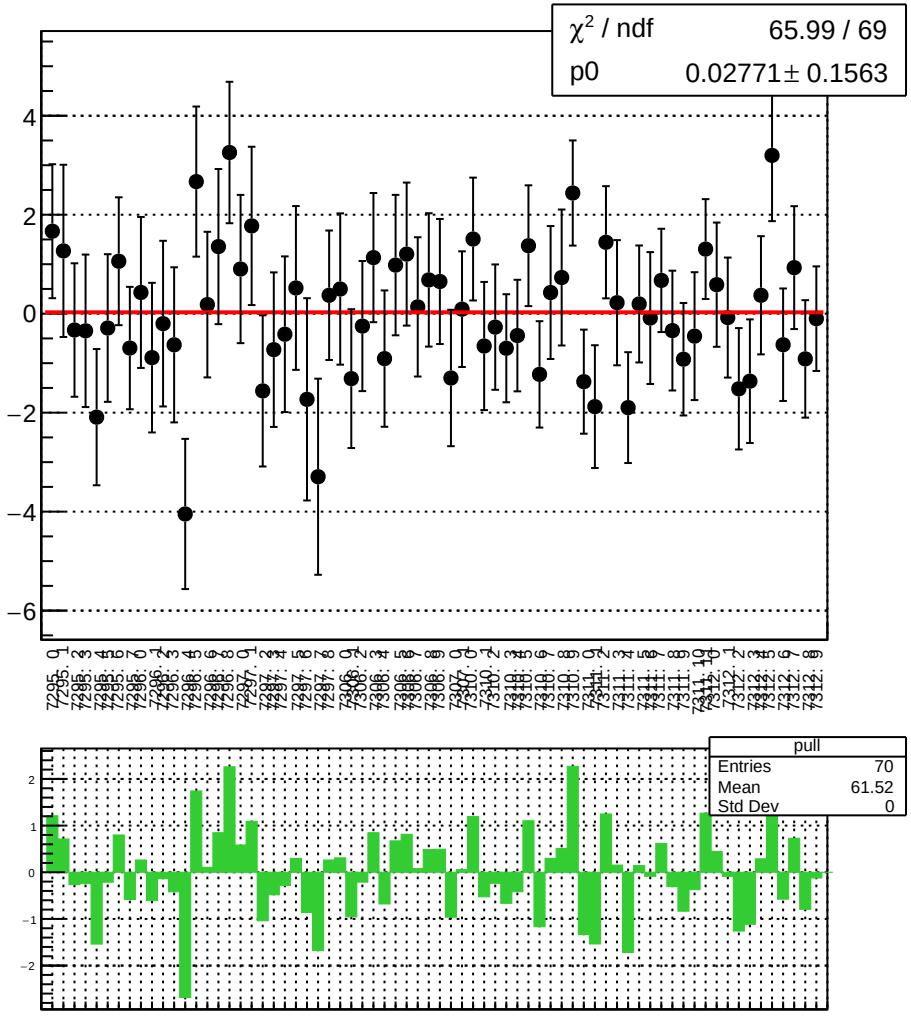

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 69
p0 125.8 ± 0.1105
200
180
160
140
120
100

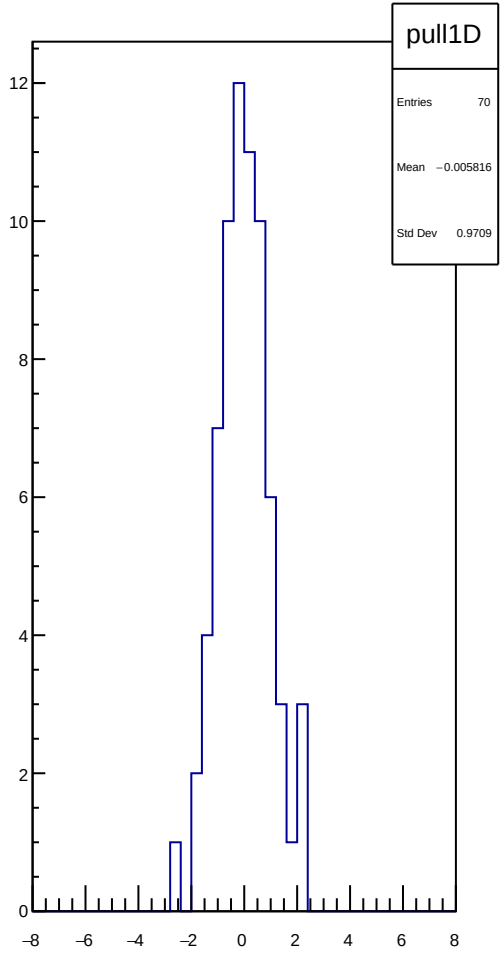

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.69 / 69
p0 −5.309e−06 ± 7.798e−06
pull
Entries 70
Mean −969.9
Std Dev 0

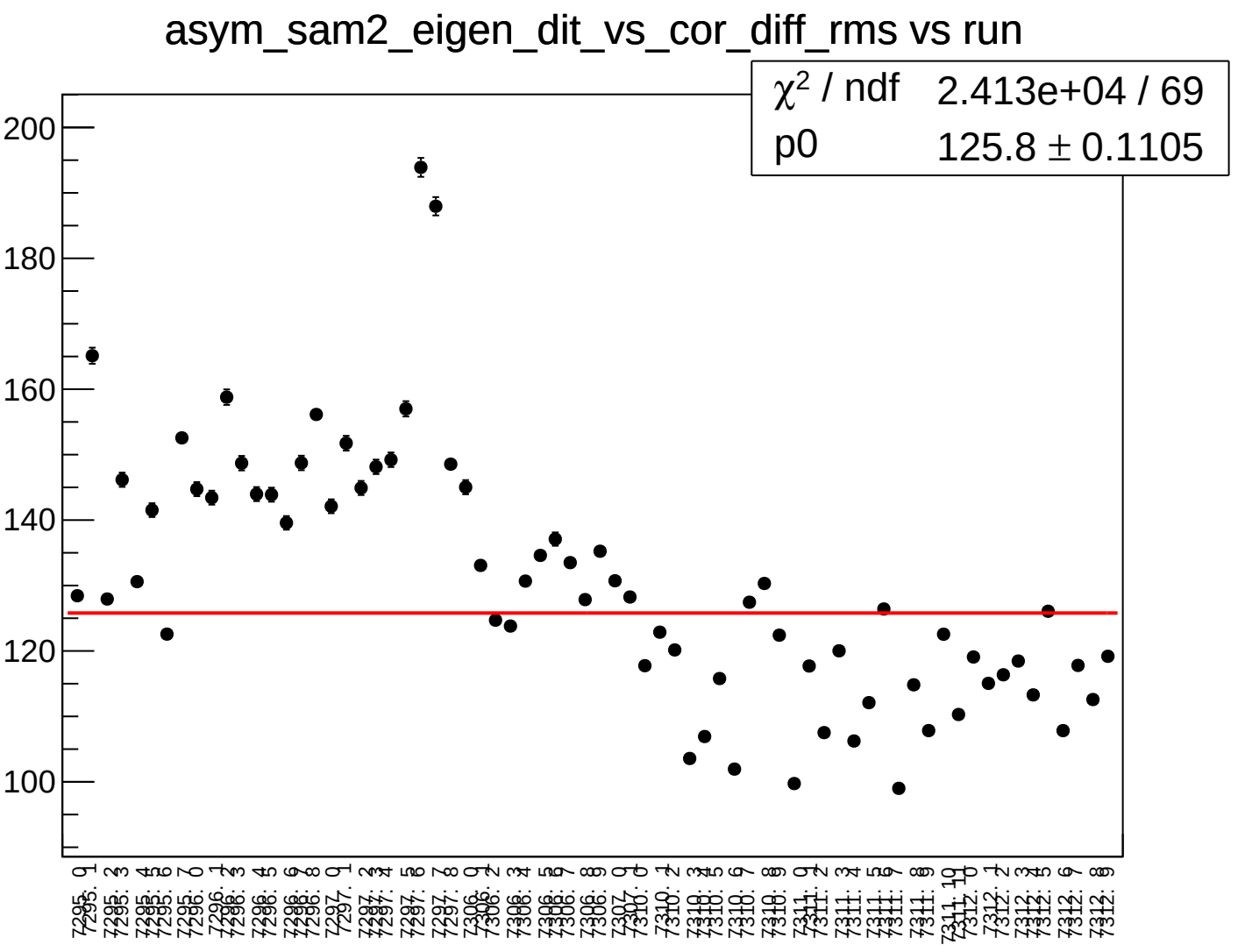

pull1D
Entries 70
Mean 0.0004011
Std Dev 0.9906

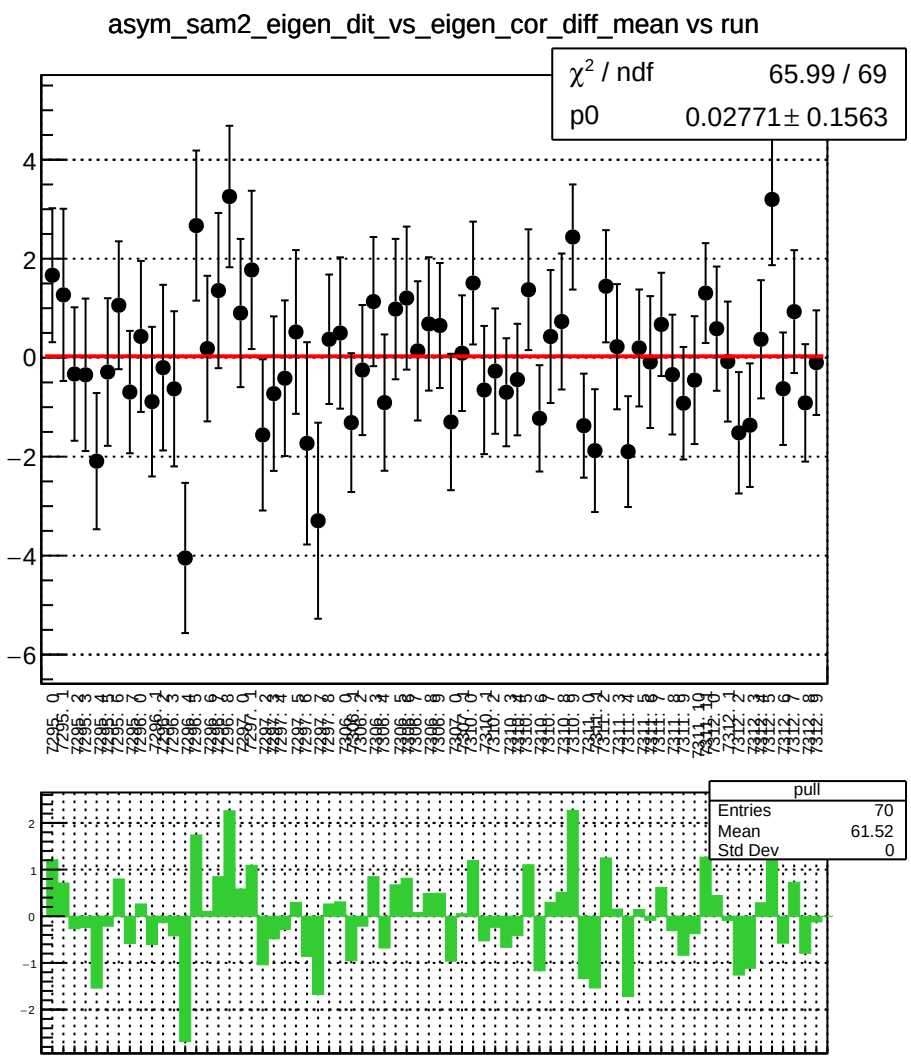

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.103e+04 / 69
p0 0.006258 ± 5.514e−06
0.014
0.012
0.01
0.008
0.006

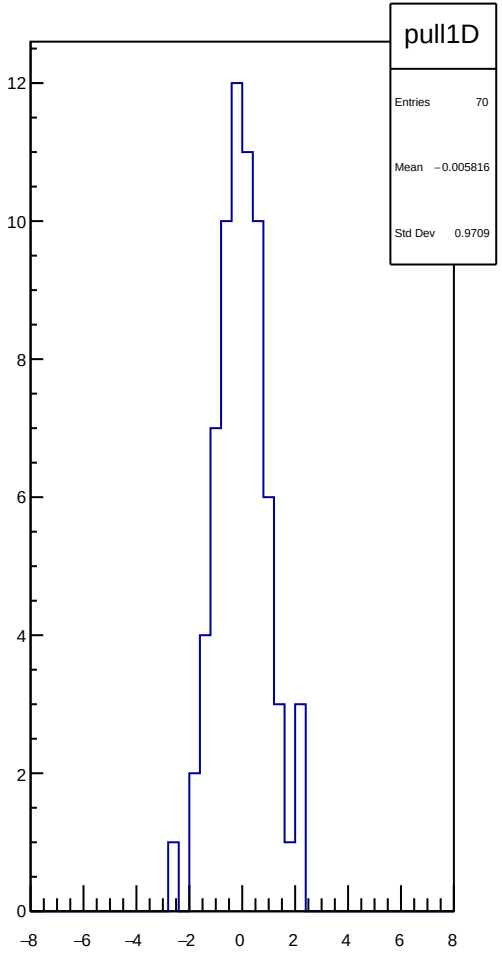
asym_sam2_eigen_dit_vs_cor_diff_mean vs run

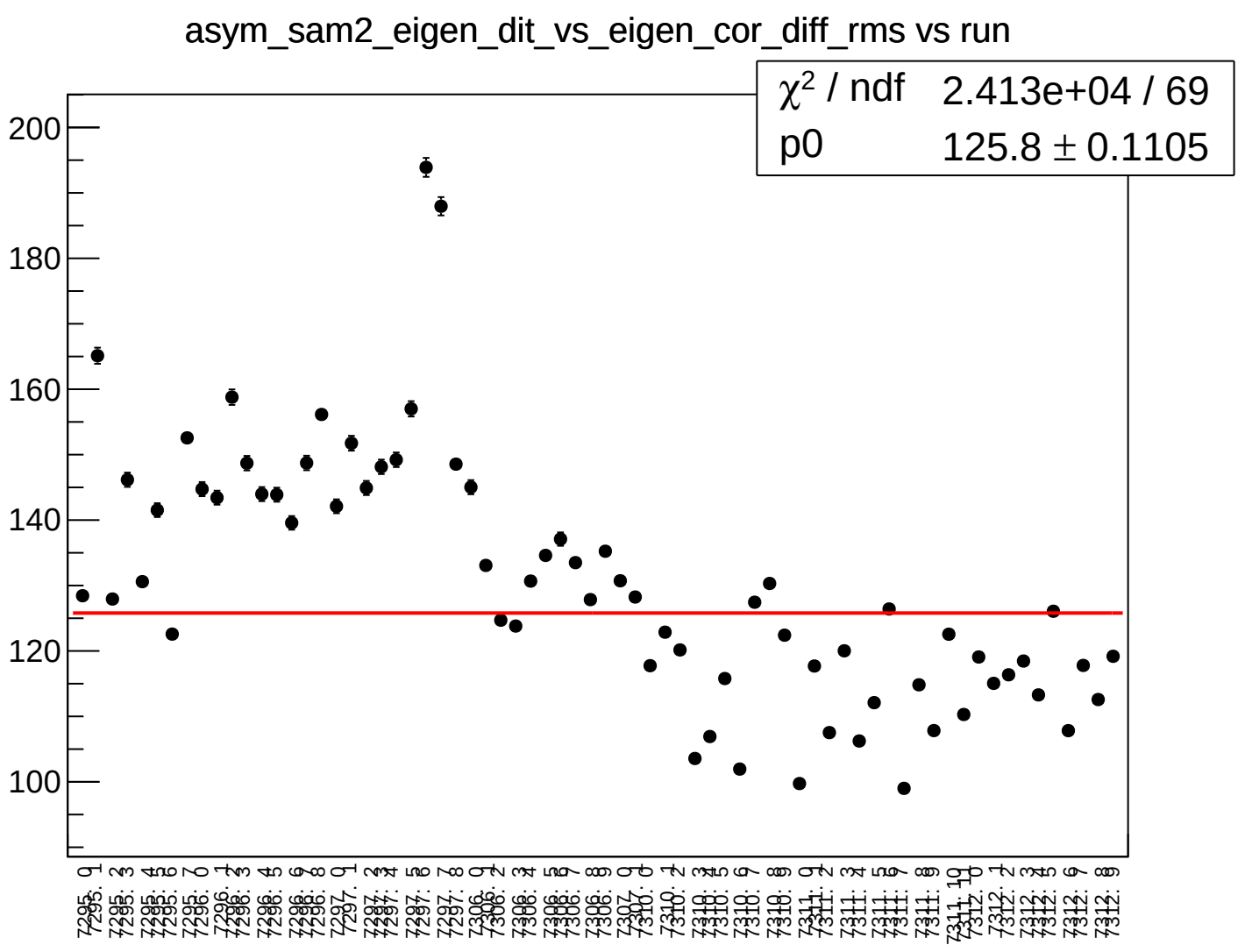


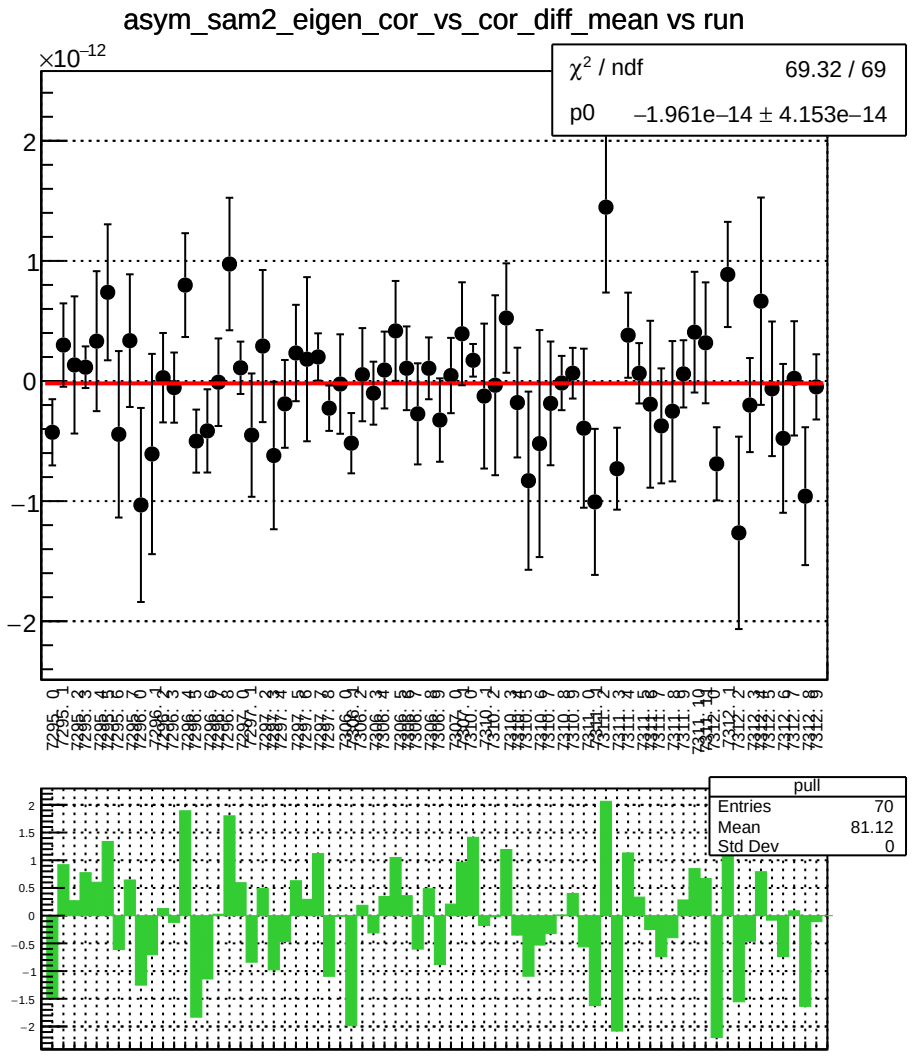


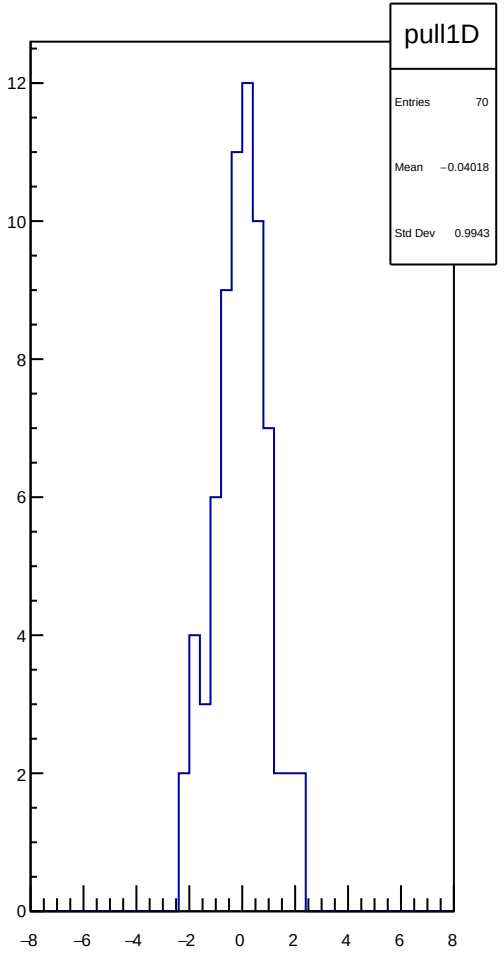

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 69
p0 125.8 ± 0.1105
200
180
160
140
120
100

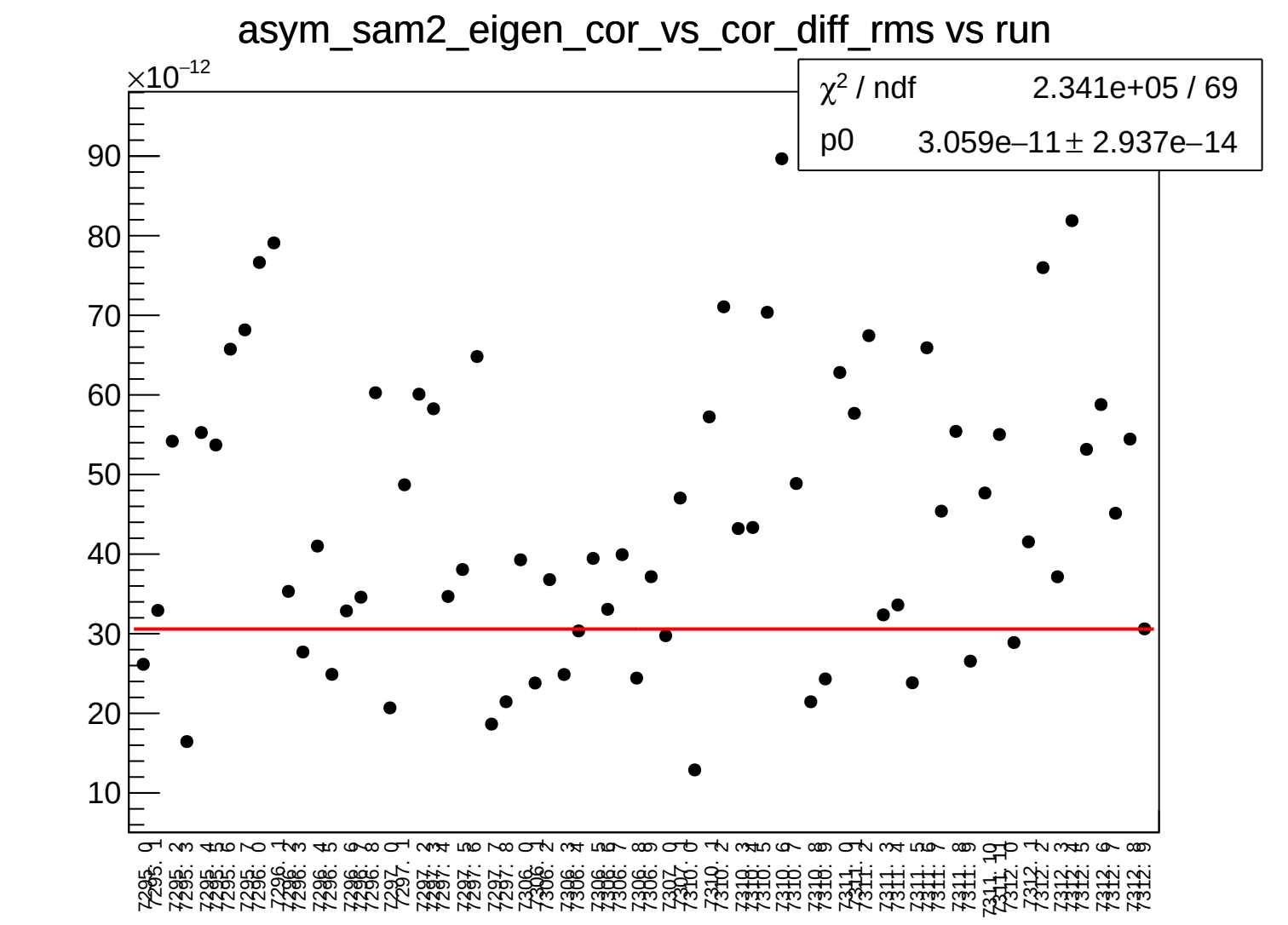

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.99 / 69
p0 0.02771 ± 0.1563
pull
Entries 70
Mean 61.52
Std Dev 0

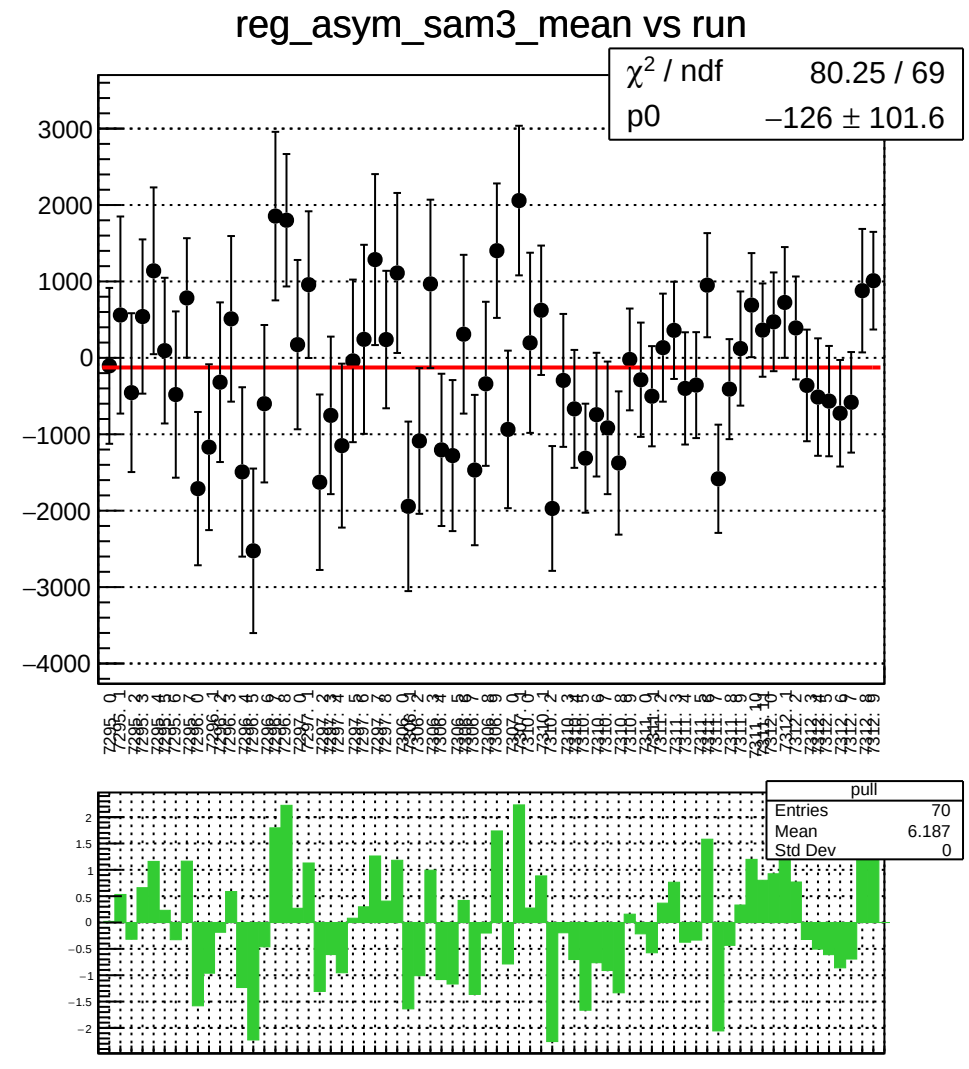

pull1D
Entries 70
Mean −0.005816
Std Dev 0.9709

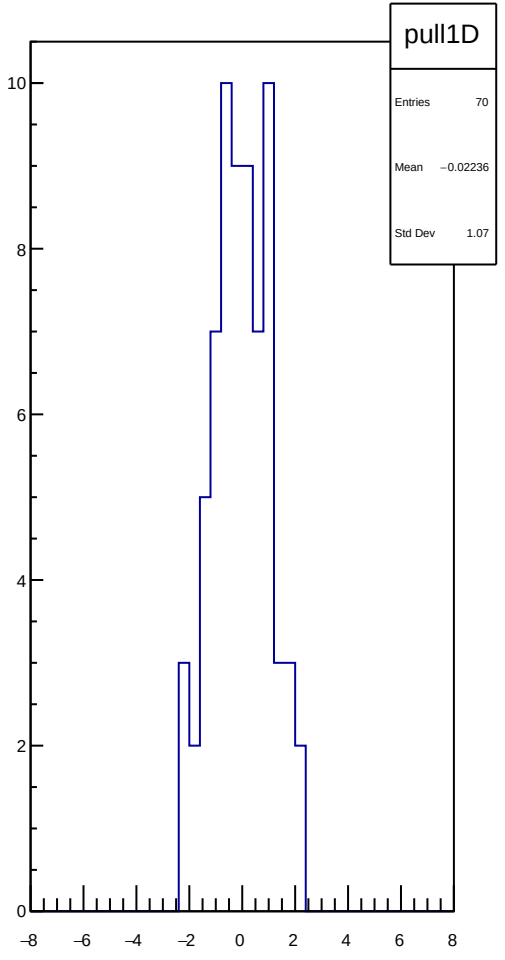

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 69
p0 125.8 ± 0.1105
200
180
160
140
120
100

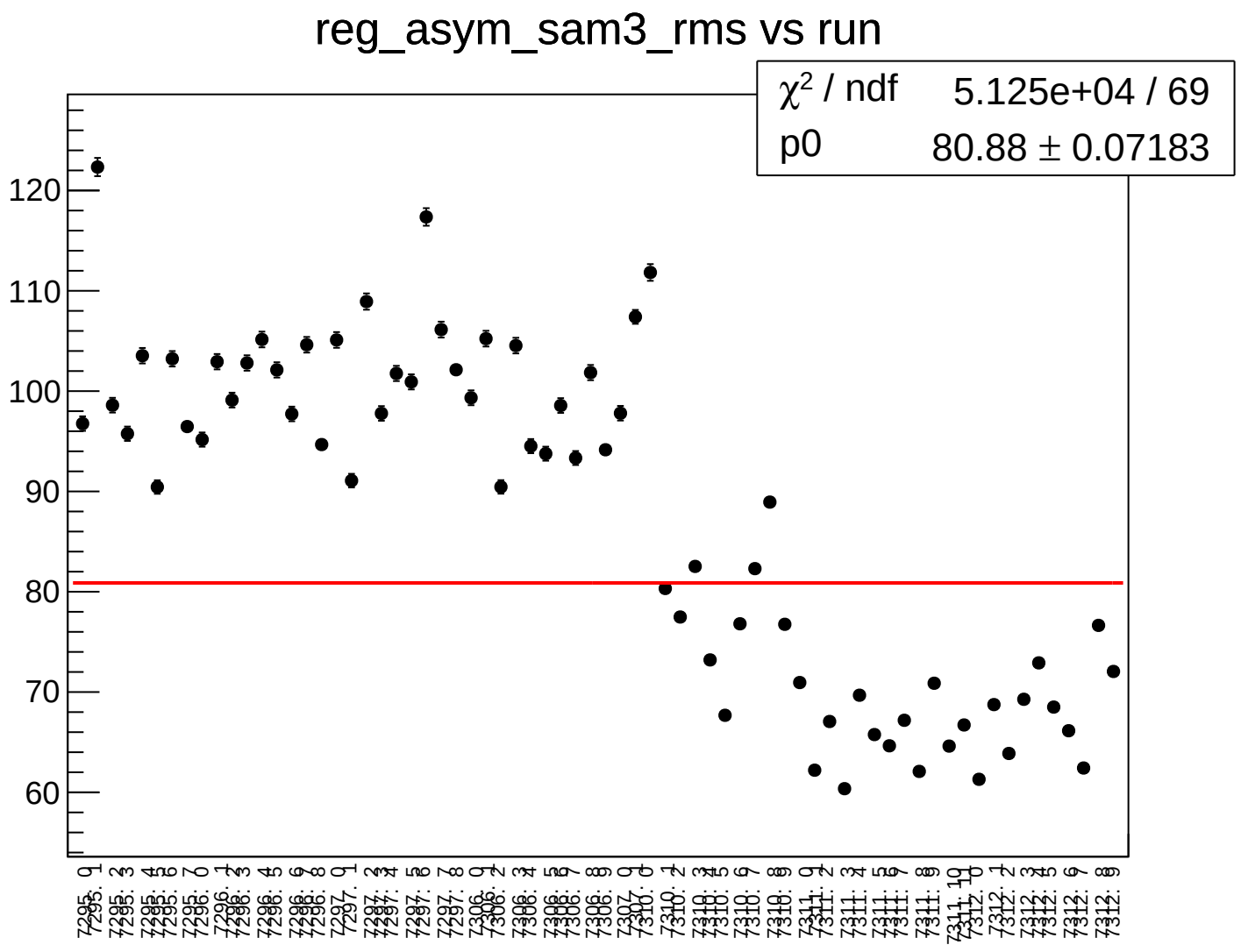

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 69.32 / 69
p0 −1.961e−14 ± 4.153e−14
pull
Entries 70
Mean 81.12
Std Dev 0

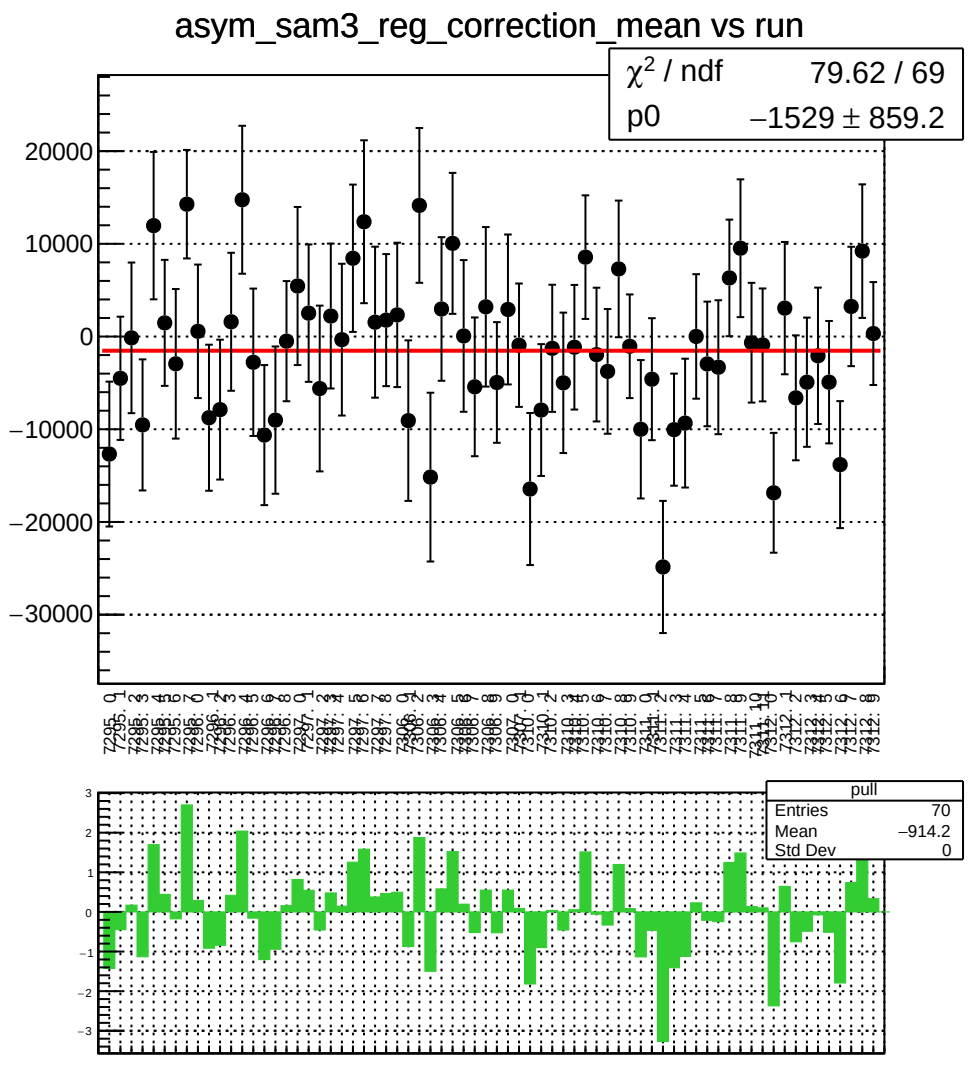

pull1D
Entries 70
Mean −0.04018
Std Dev 0.9943

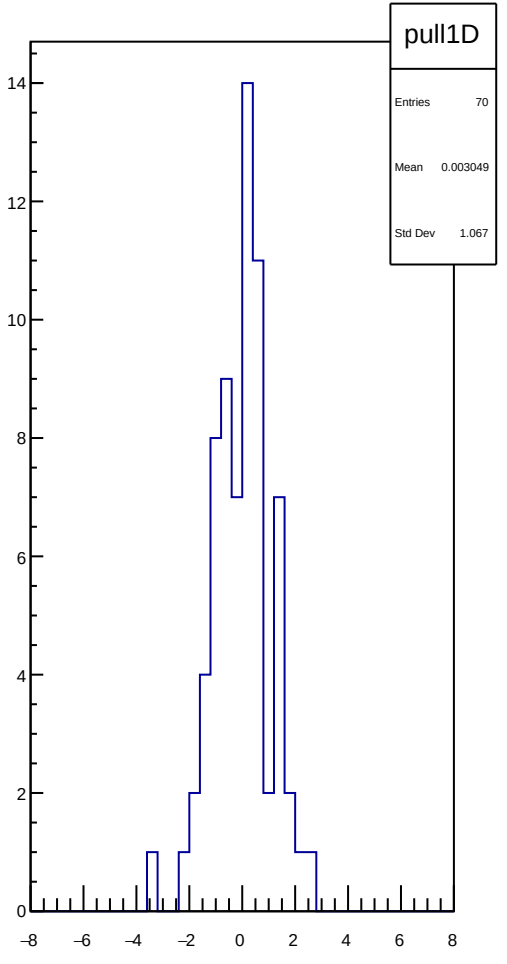

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.341e+05 / 69
p0 3.059e−11 ± 2.937e−14
90
80
70
60
50
40
30
20
10

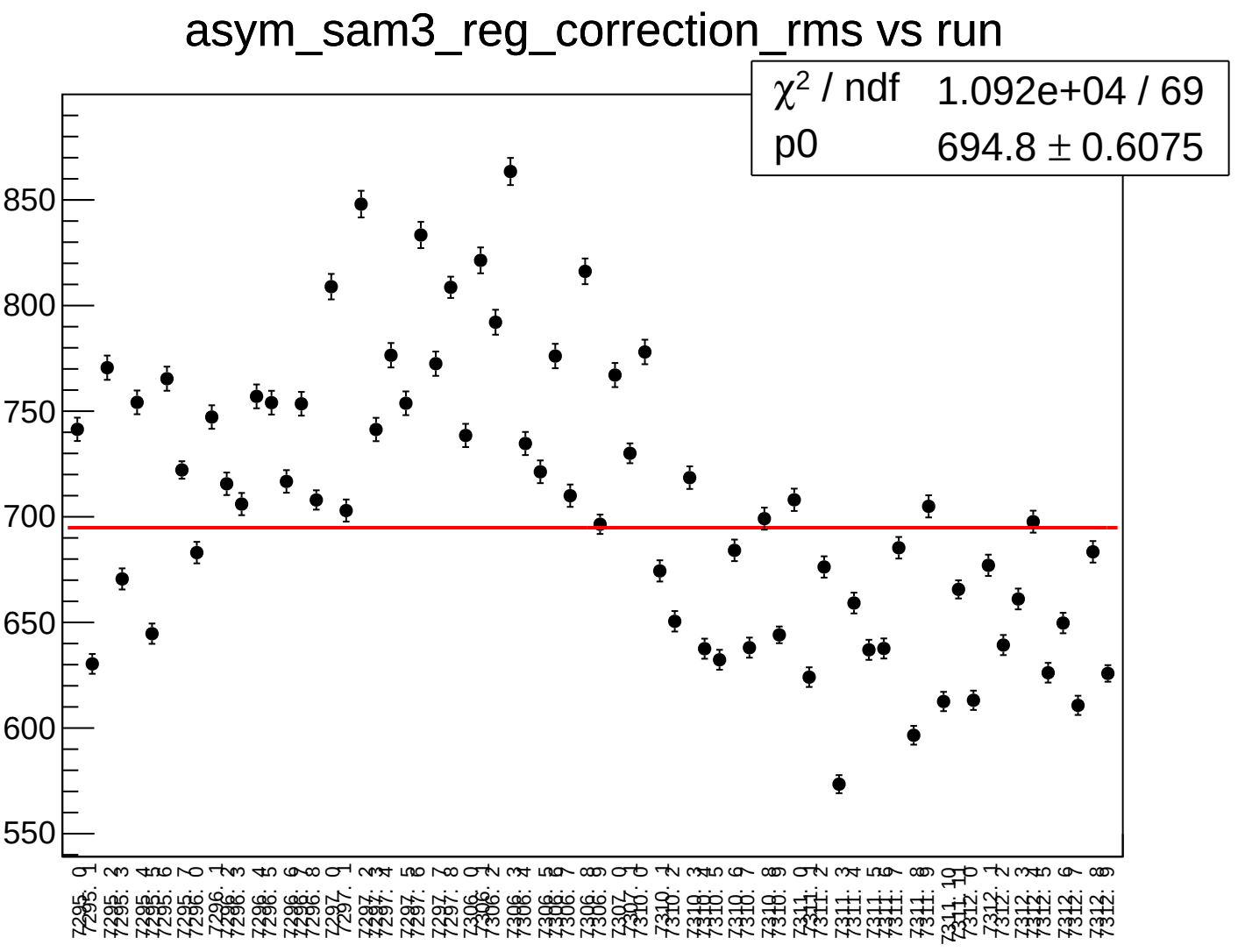

reg_asym_sam3_mean vs run
χ² / ndf 80.25 / 69
p0 −126 ± 101.6
pull
Entries 70
Mean 6.187
Std Dev 0

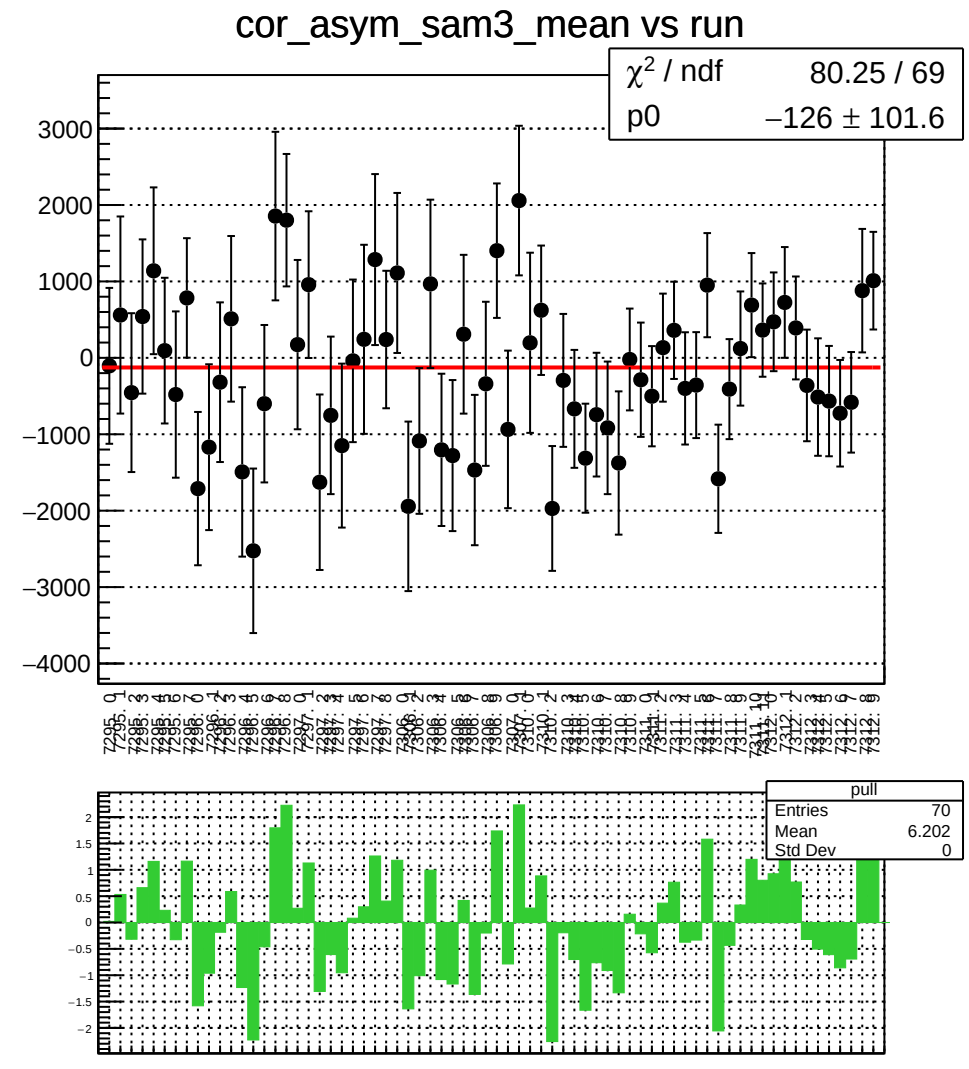

pull1D
Entries 70
Mean −0.02236
Std Dev 1.07

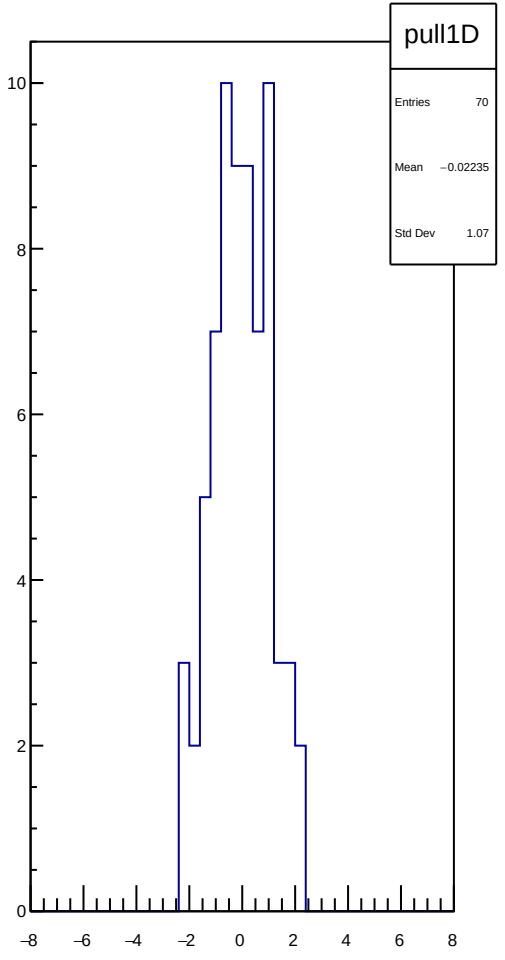

reg_asym_sam3_rms vs run
χ² / ndf 5.125e+04 / 69
p0 80.88 ± 0.07183
120
110
100
90
80
70
60

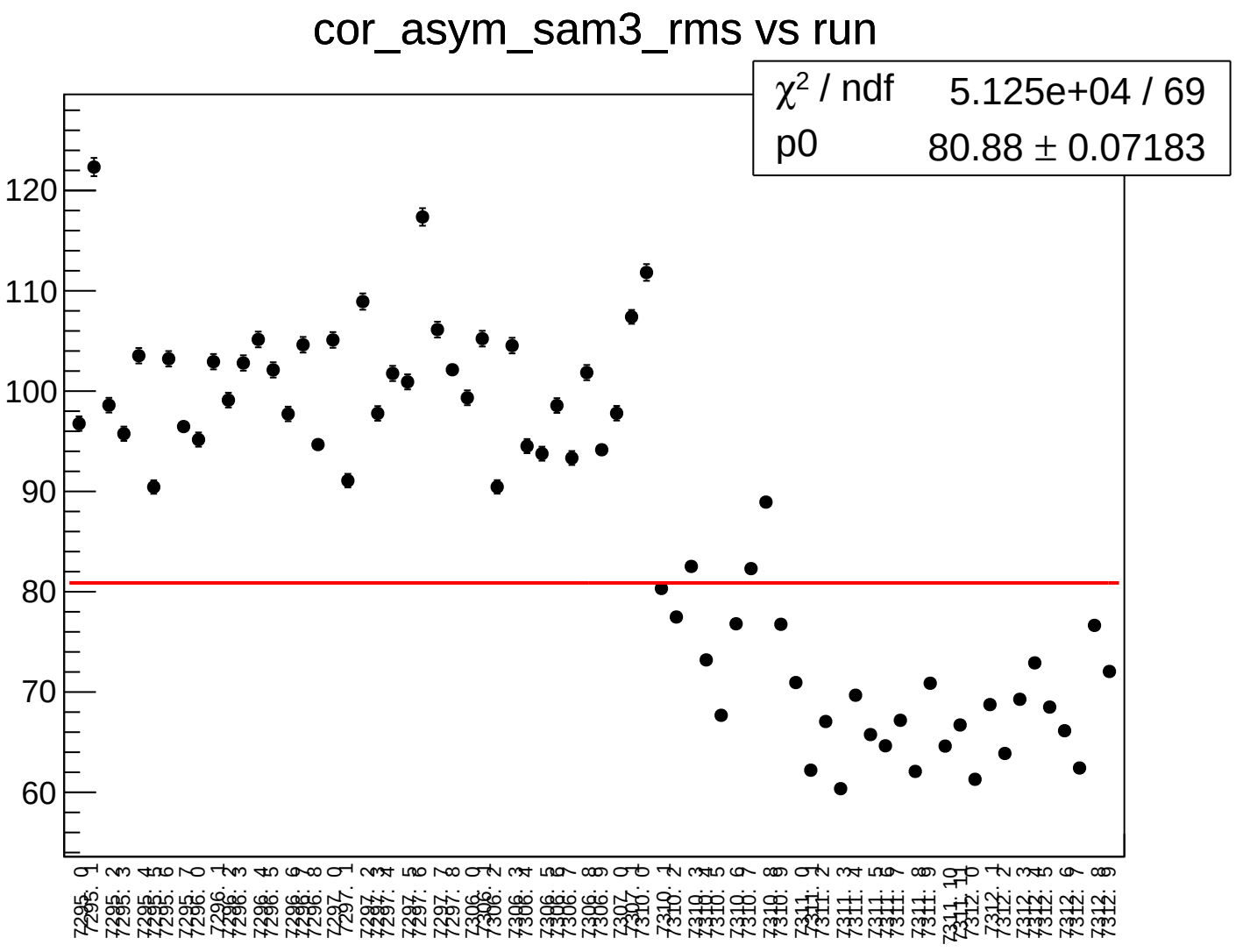

asym_sam3_reg_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1529 ± 859.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean −914.2
Std Dev 0
3
2
1
0
−1
−2
−3

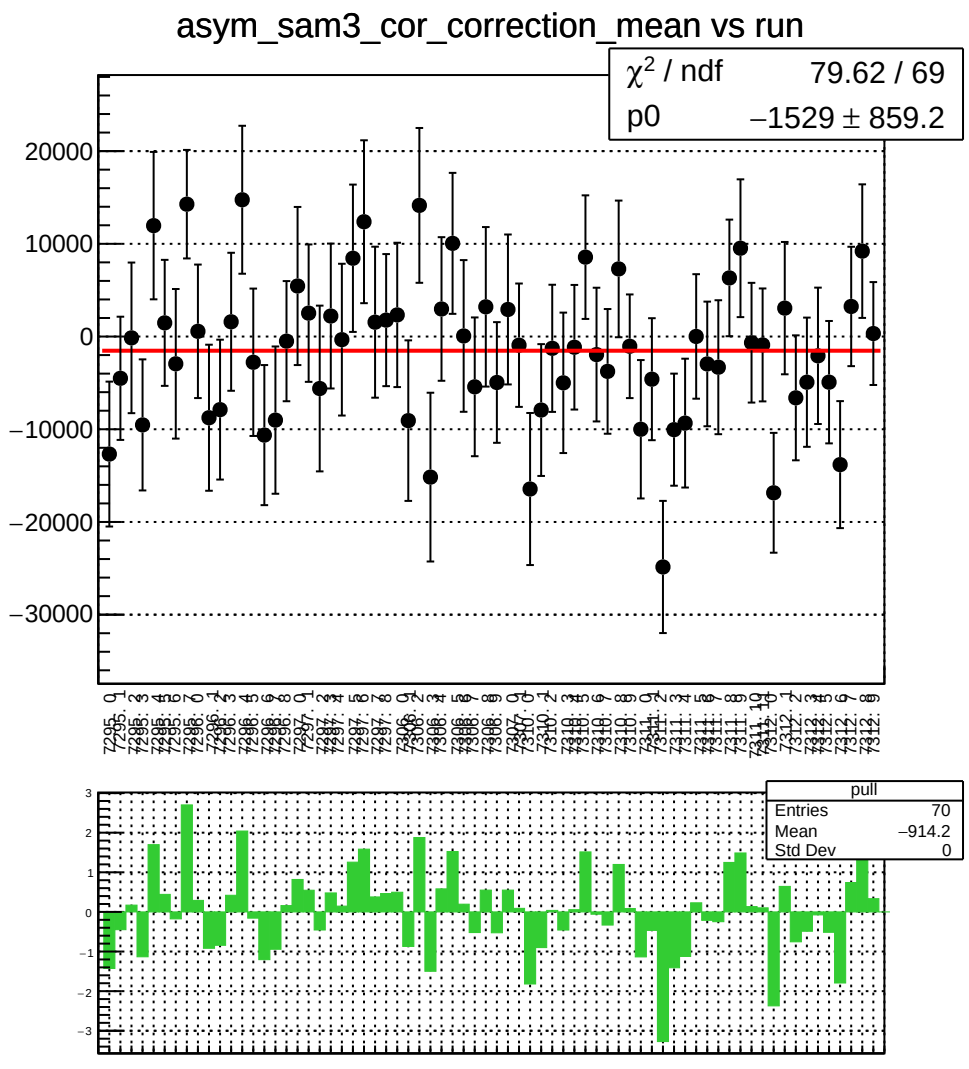

pull1D
Entries 70
Mean 0.003049
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

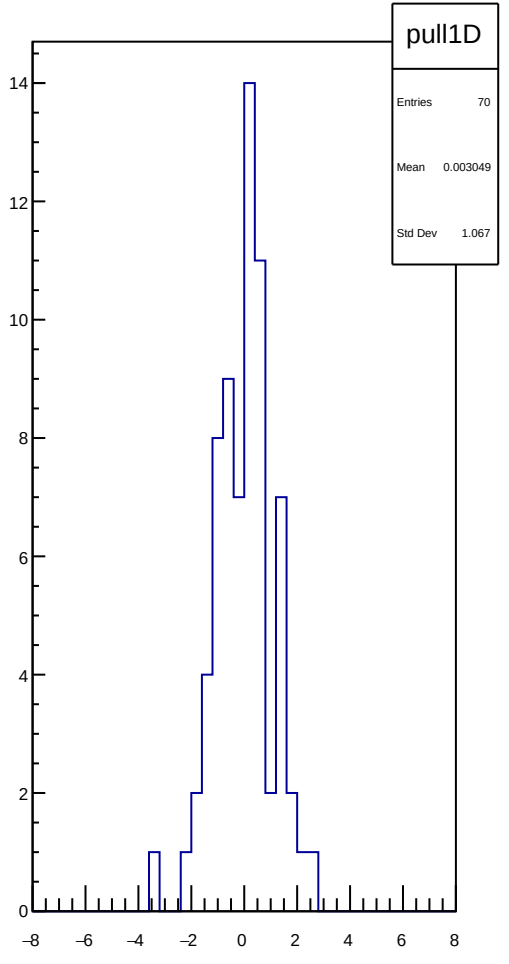

asym_sam3_reg_correction_rms vs run
χ² / ndf 1.092e+04 / 69
p0 694.8 ± 0.6075
850
800
750
700
650
600
550

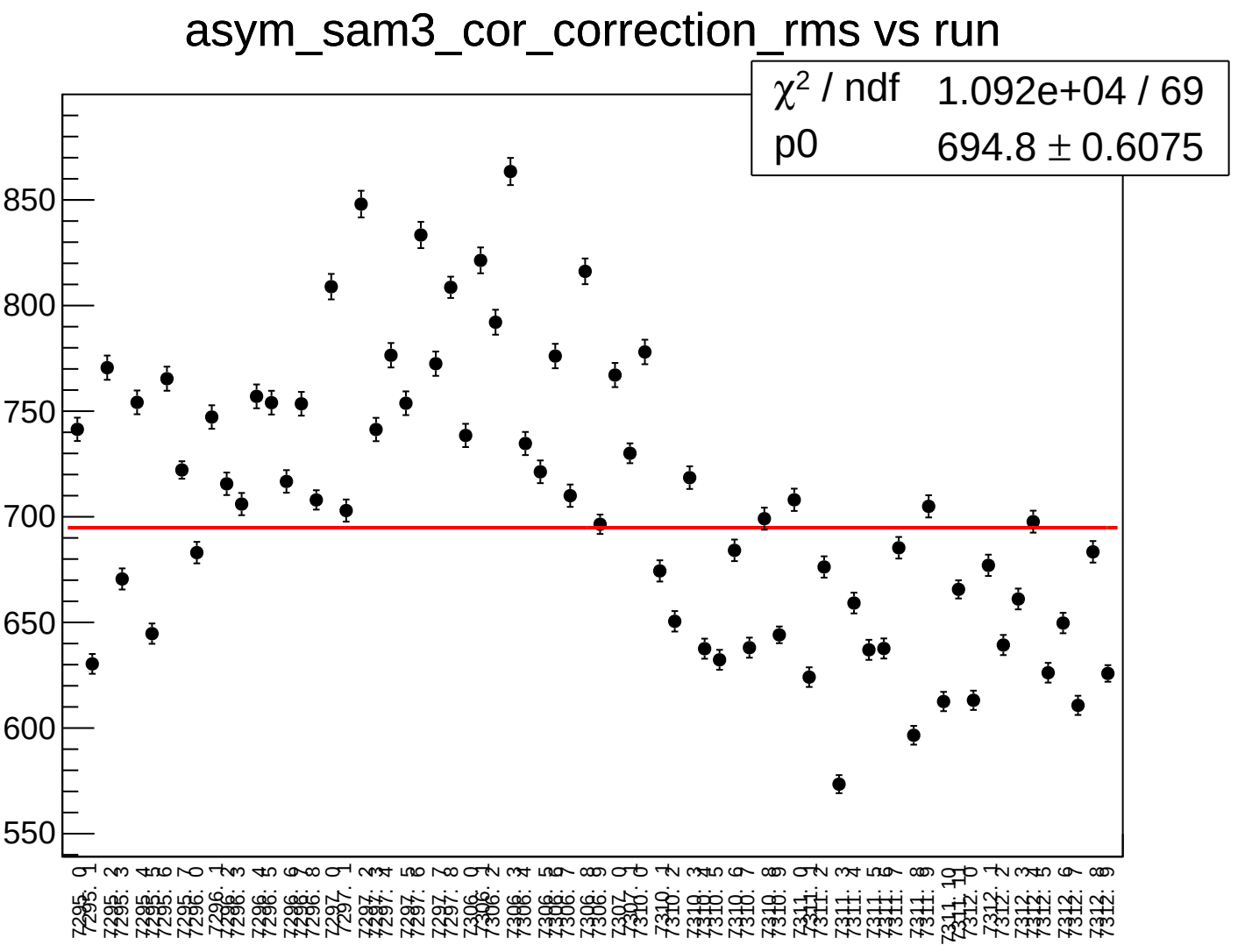

cor_asym_sam3_mean vs run
χ² / ndf 80.25 / 69
p0 −126 ± 101.6
pull
Entries 70
Mean 6.202
Std Dev 0

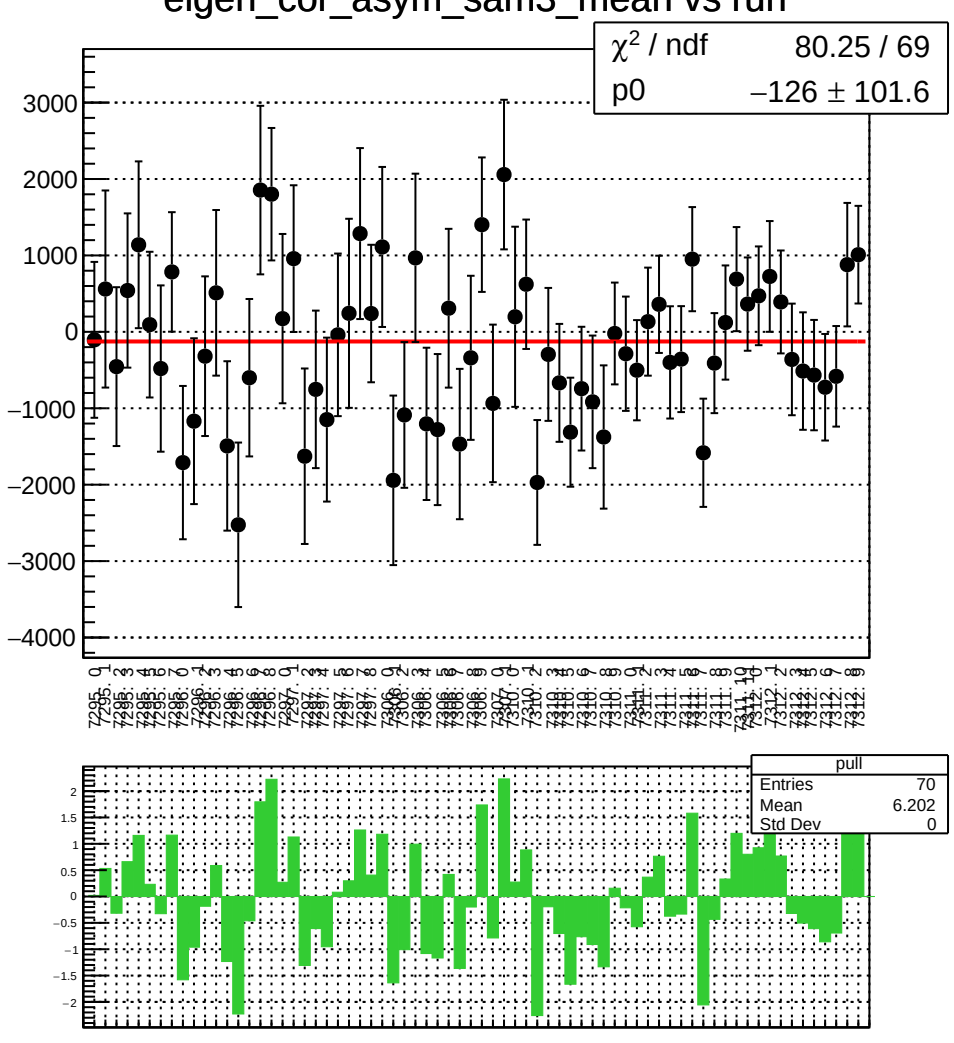

pull1D
Entries 70
Mean −0.02235
Std Dev 1.07

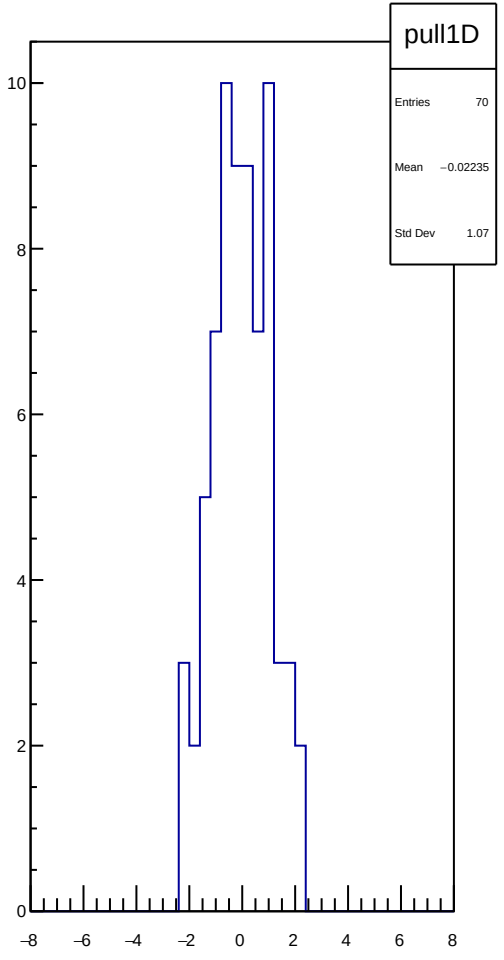

cor_asym_sam3_rms vs run
χ² / ndf 5.125e+04 / 69
p0 80.88 ± 0.07183
120
110
100
90
80
70
60

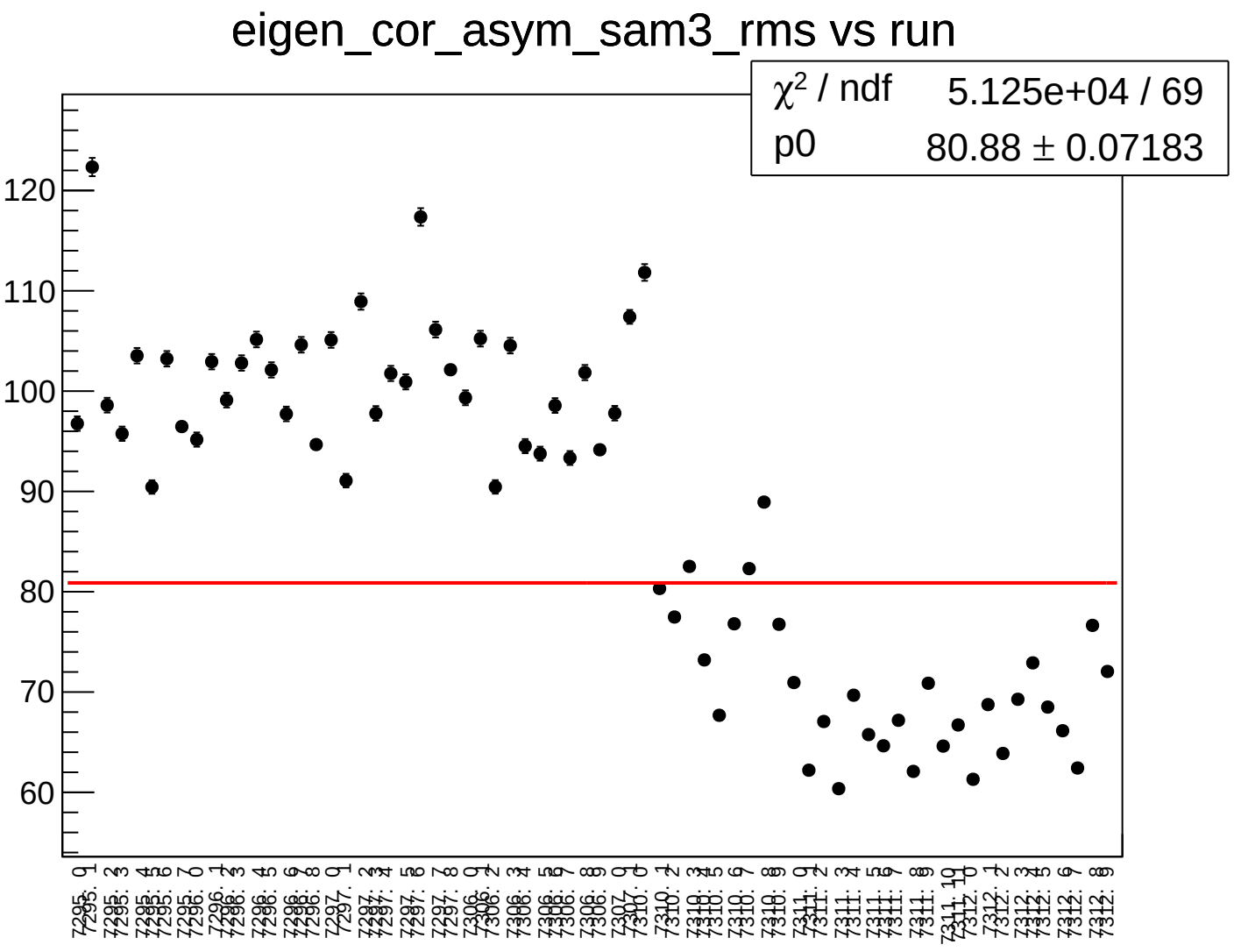

asym_sam3_cor_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1529 ± 859.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean −914.2
Std Dev 0
3
2
1
0
−1
−2
−3

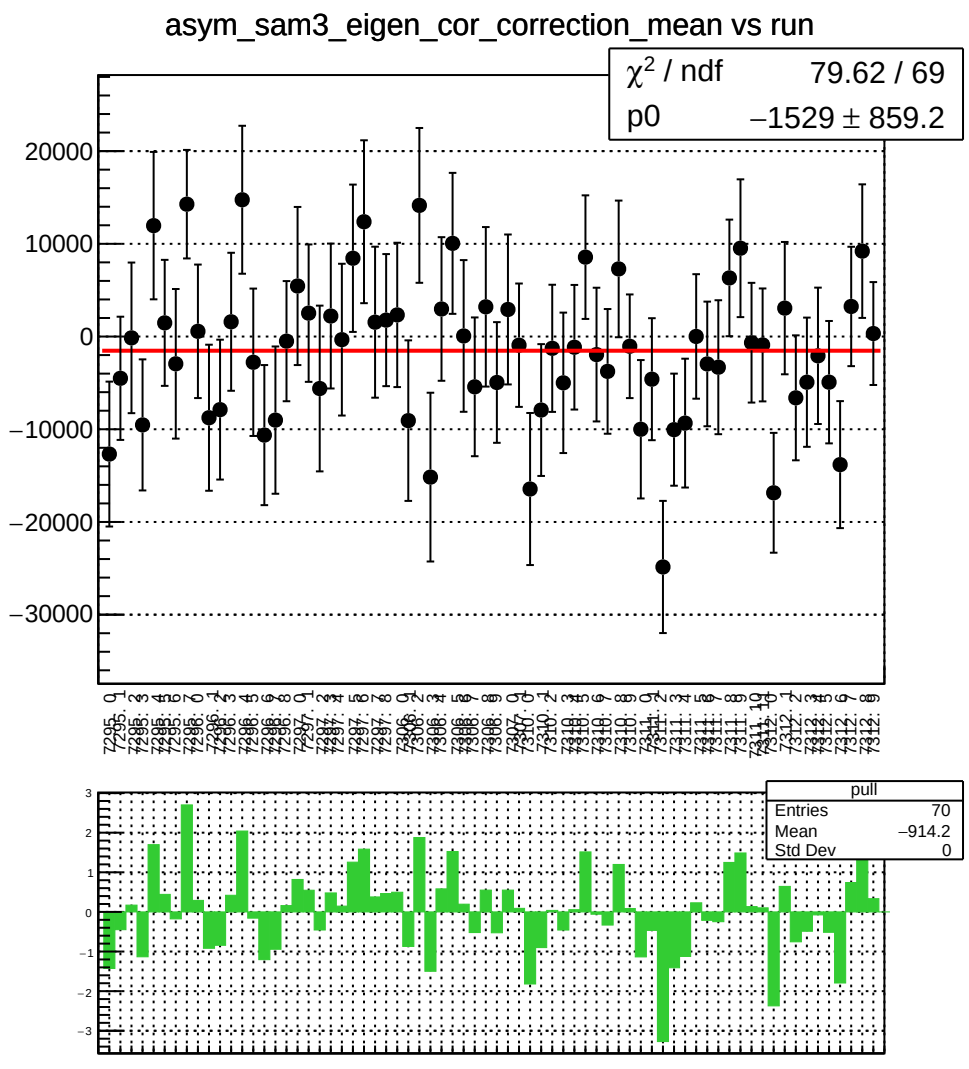

pull1D
Entries 70
Mean 0.003049
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

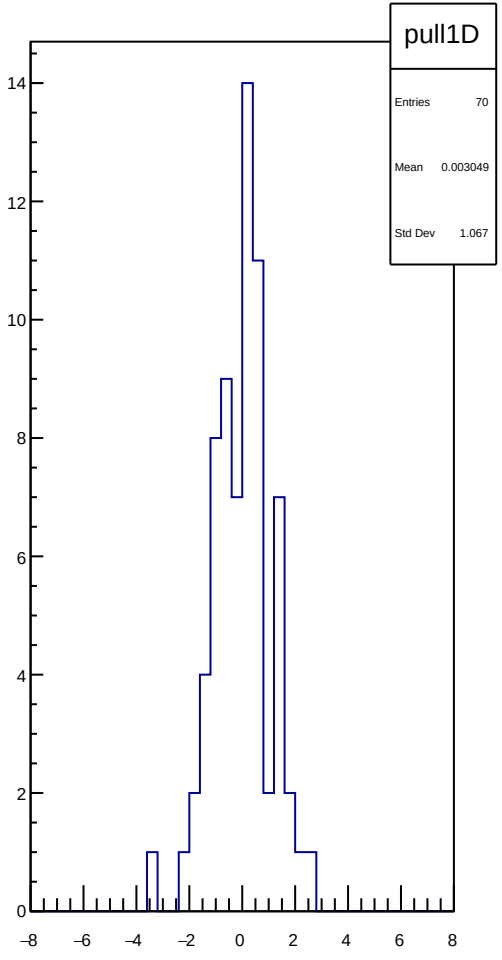

asym_sam3_cor_correction_rms vs run
χ² / ndf 1.092e+04 / 69
p0 694.8 ± 0.6075
850
800
750
700
650
600
550

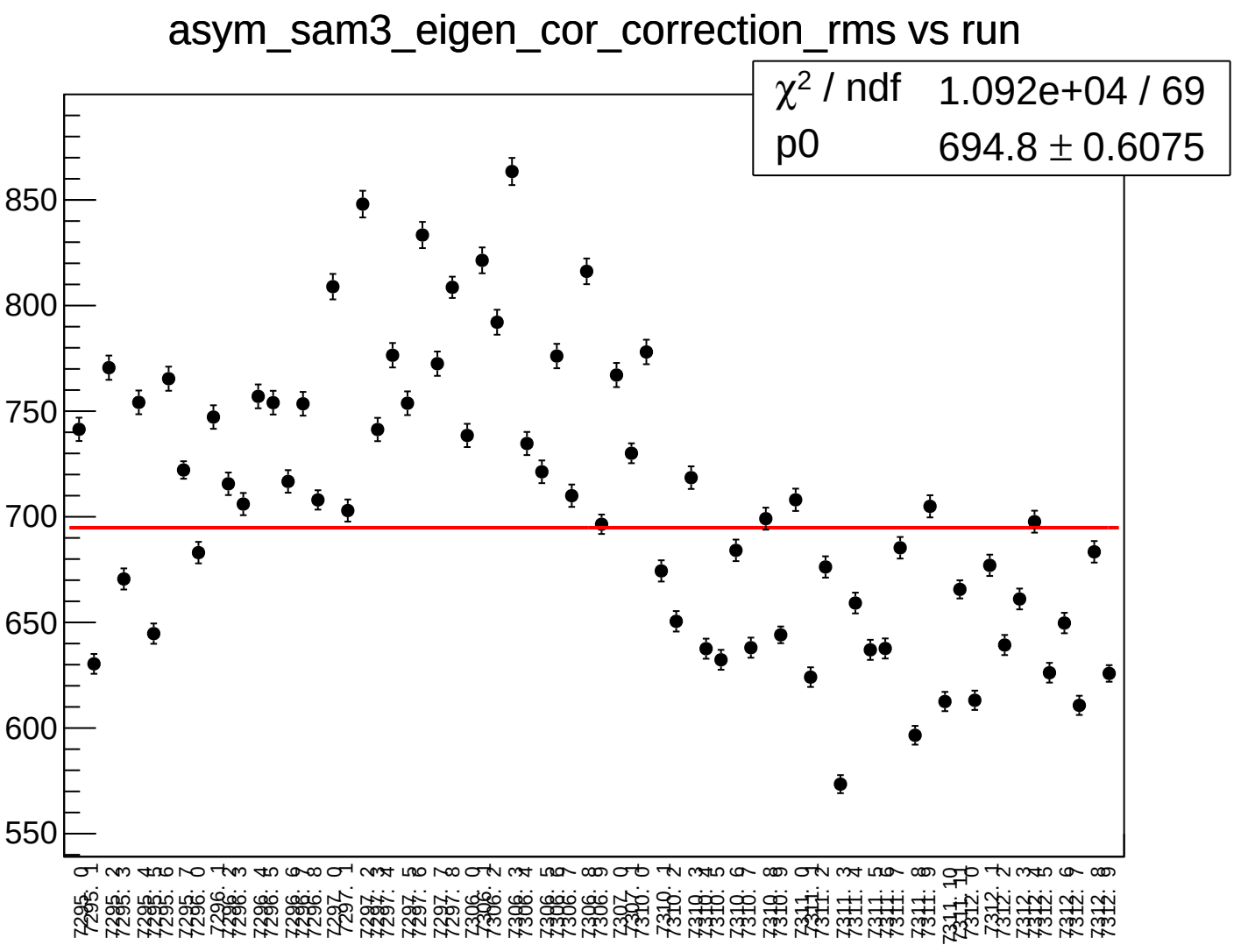

eigen_cor_asym_sam3_mean vs run
χ² / ndf 80.25 / 69
p0 −126 ± 101.6
pull
Entries 70
Mean 6.202
Std Dev 0

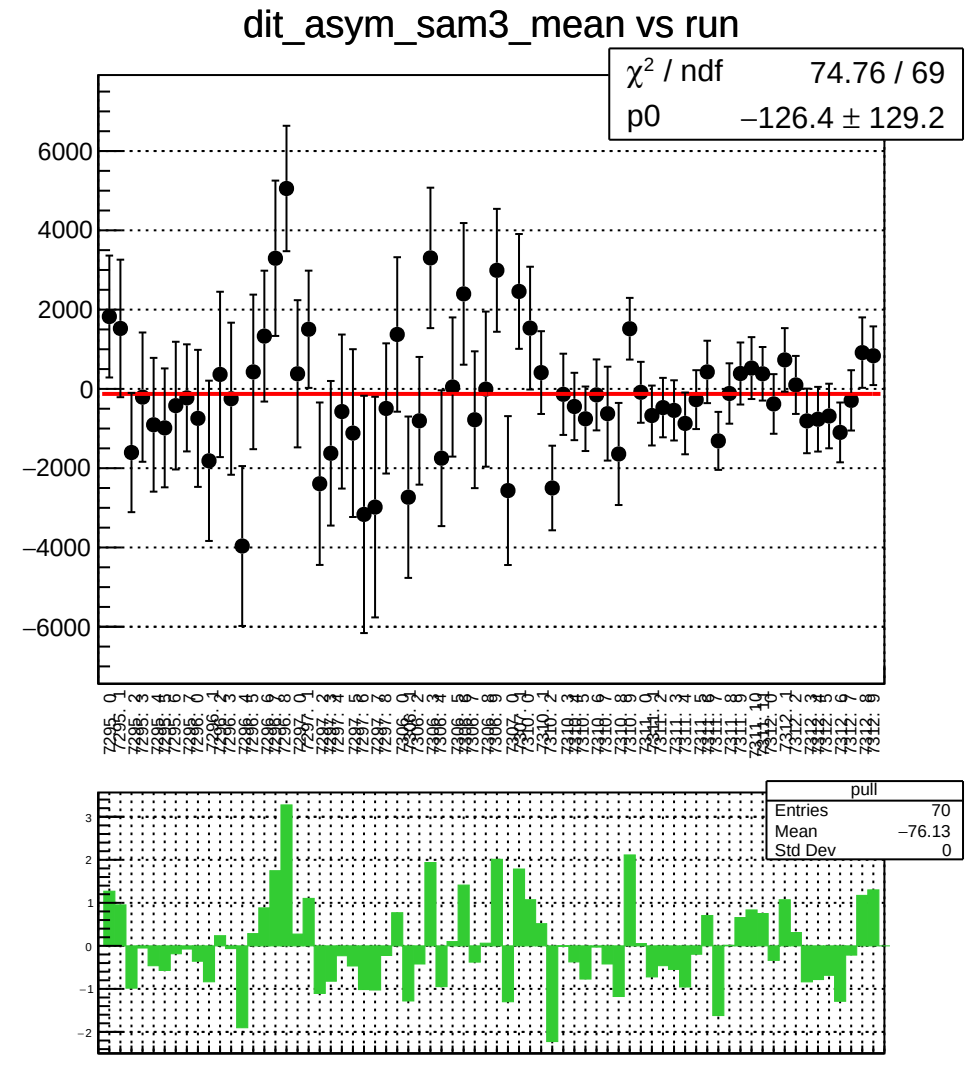

pull1D
Entries 70
Mean −0.02235
Std Dev 1.07

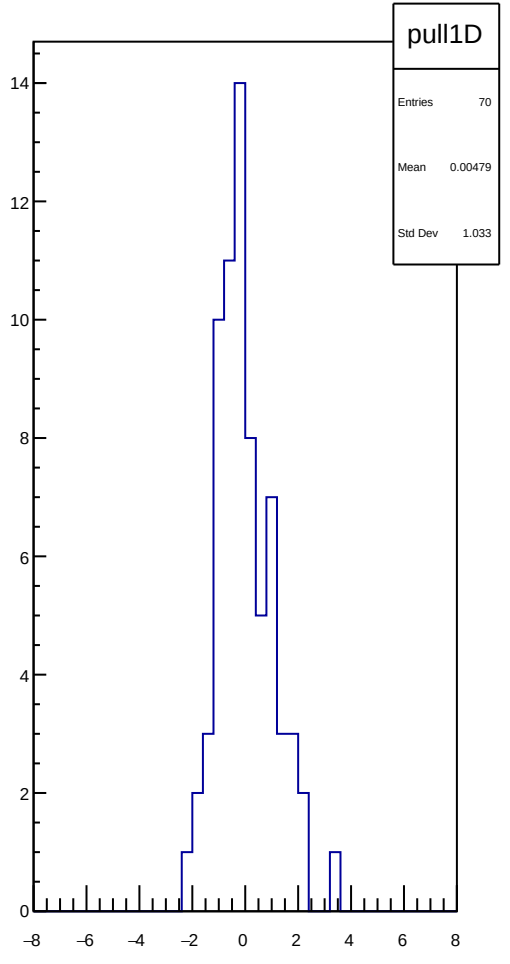

eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 5.125e+04 / 69
p0 80.88 ± 0.07183
120
110
100
90
80
70
60

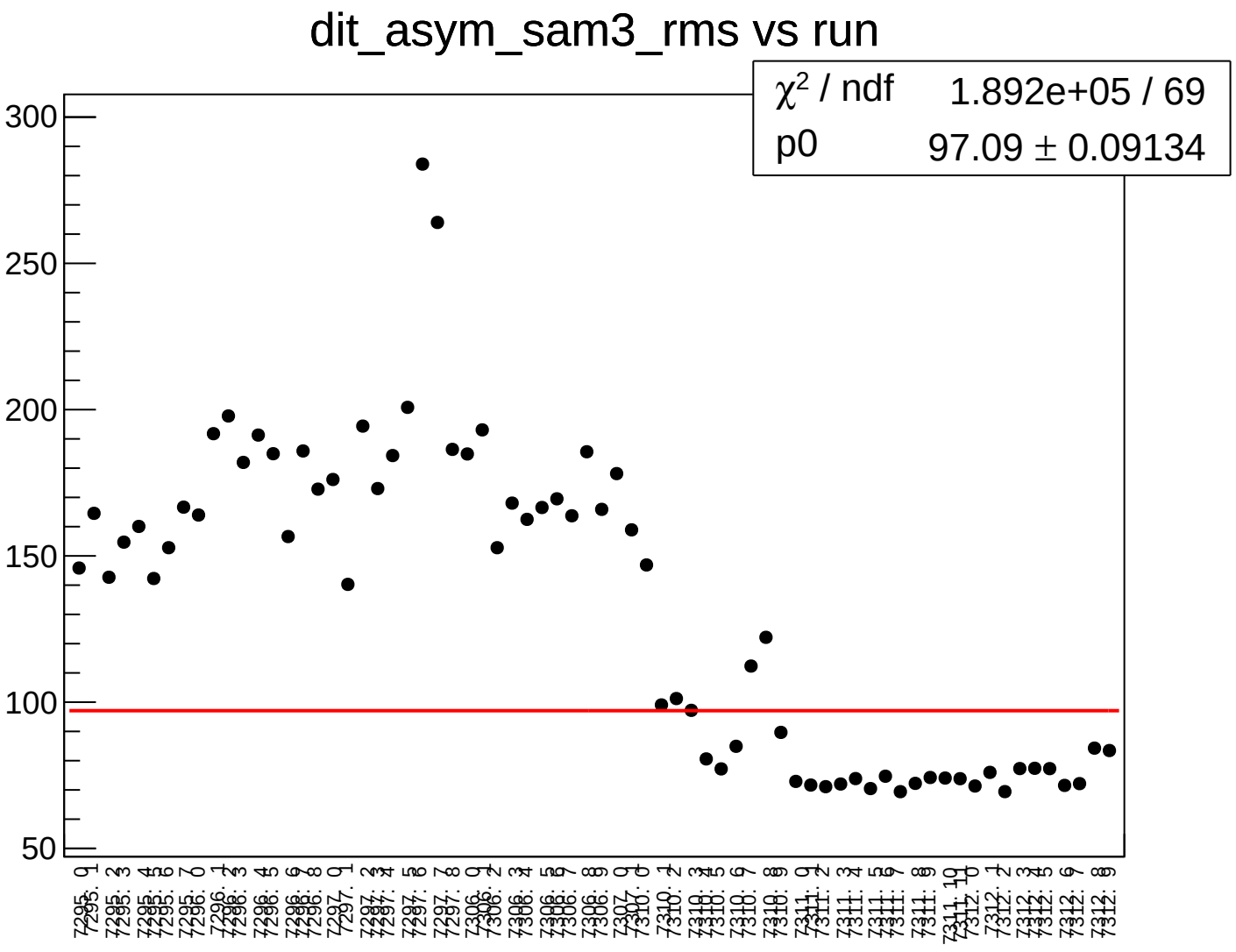

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 79.62 / 69
p0 −1529 ± 859.2
pull
Entries 70
Mean −914.2
Std Dev 0

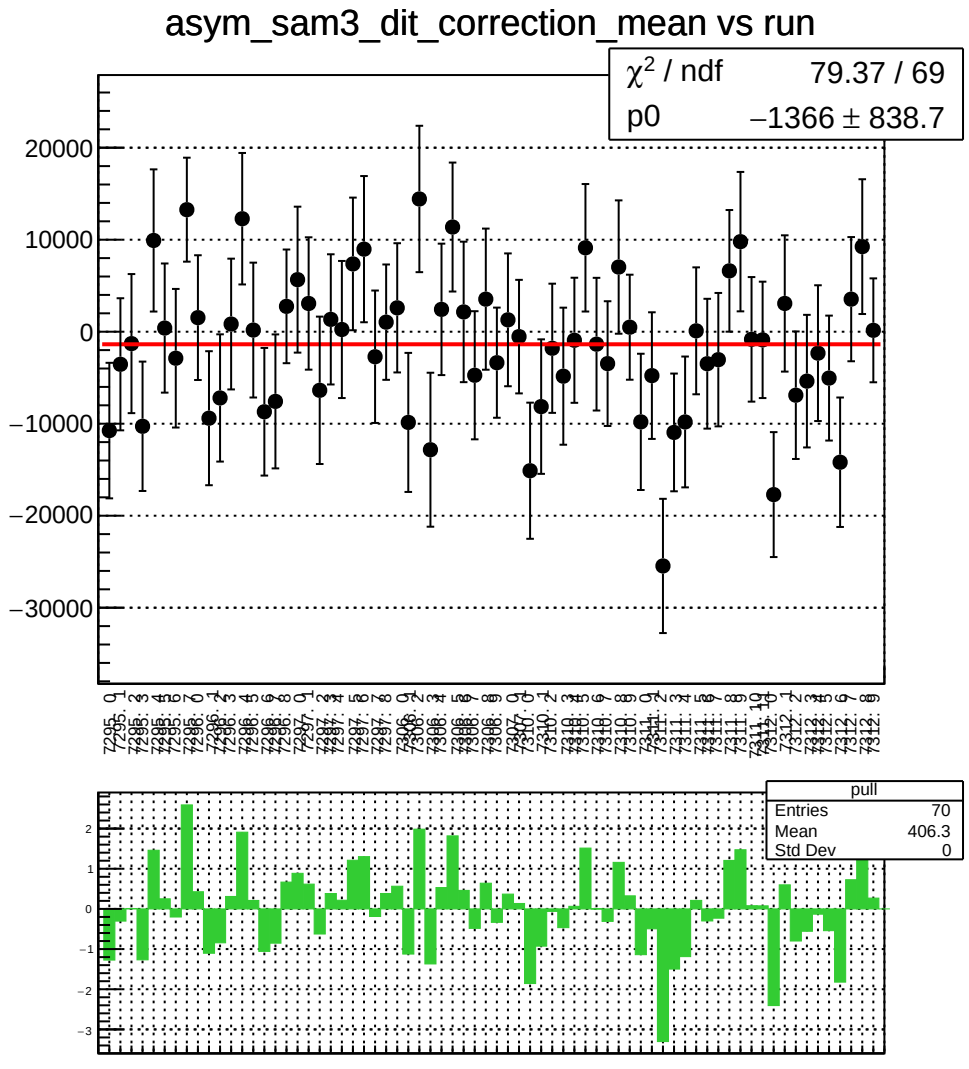

pull1D
Entries 70
Mean 0.003049
Std Dev 1.067

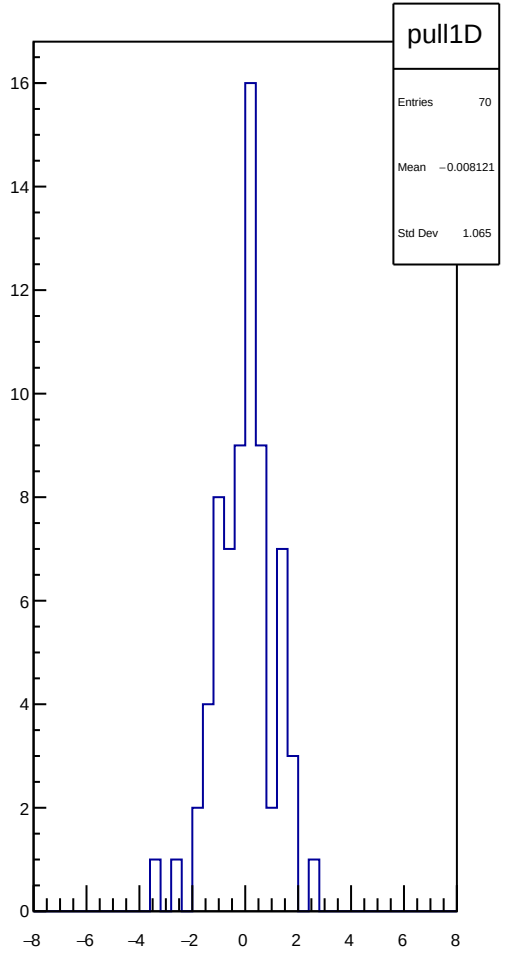

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.092e+04 / 69
p0 694.8 ± 0.6075
850
800
750
700
650
600
550

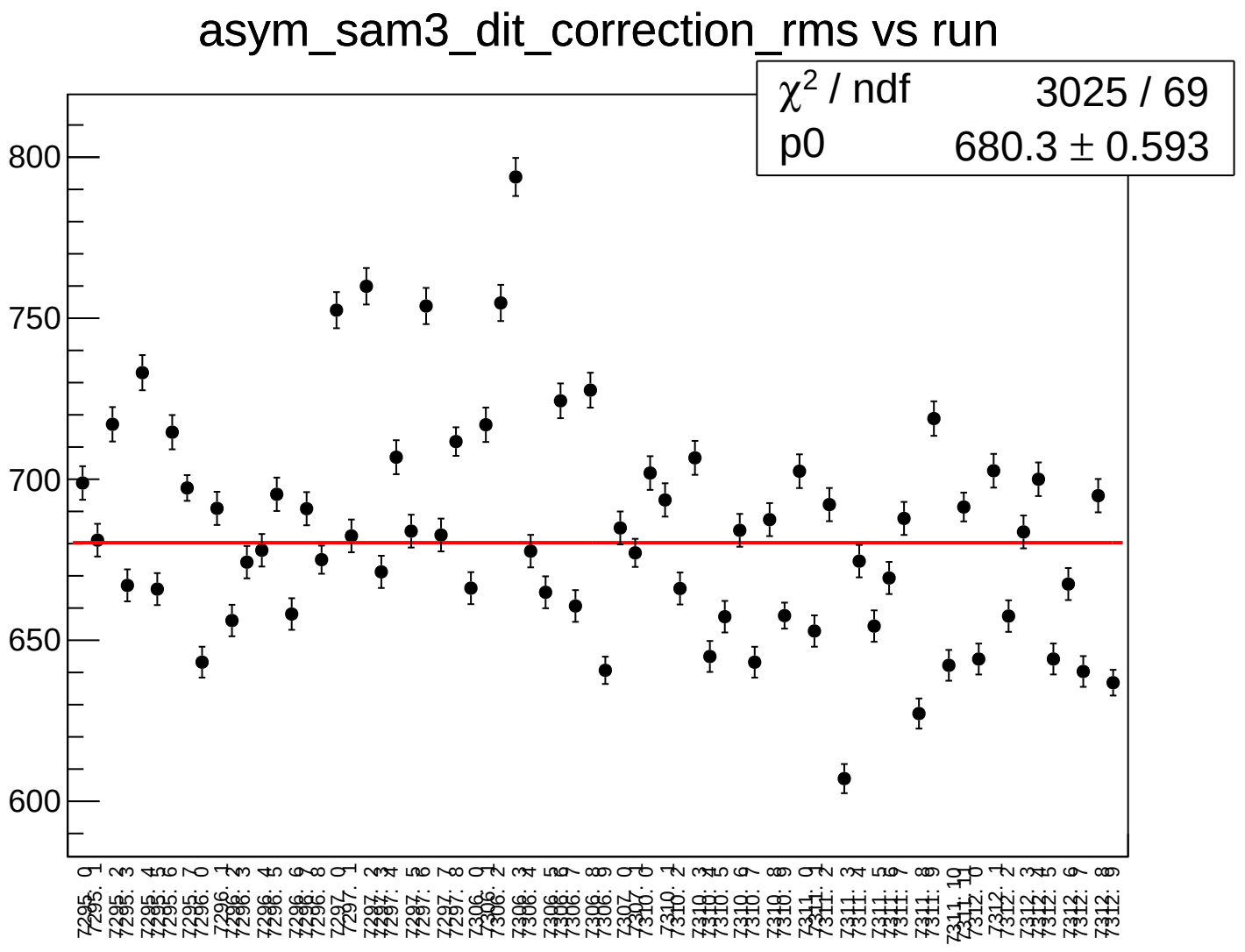

dit_asym_sam3_mean vs run
χ^2 / ndf 74.76 / 69
p0 −126.4 ± 129.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean −76.13
Std Dev 0
3
2
1
0
−1
−2

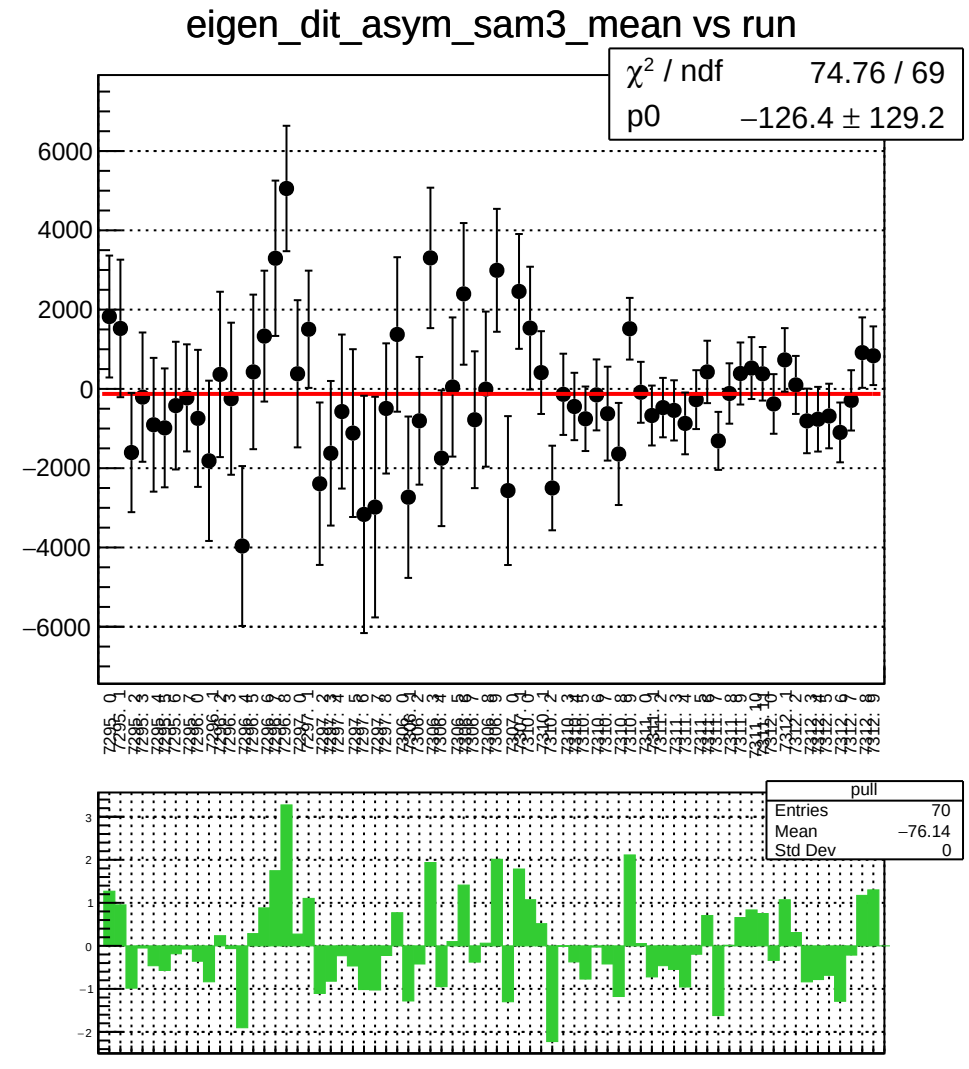

pull1D
Entries 70
Mean 0.00479
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

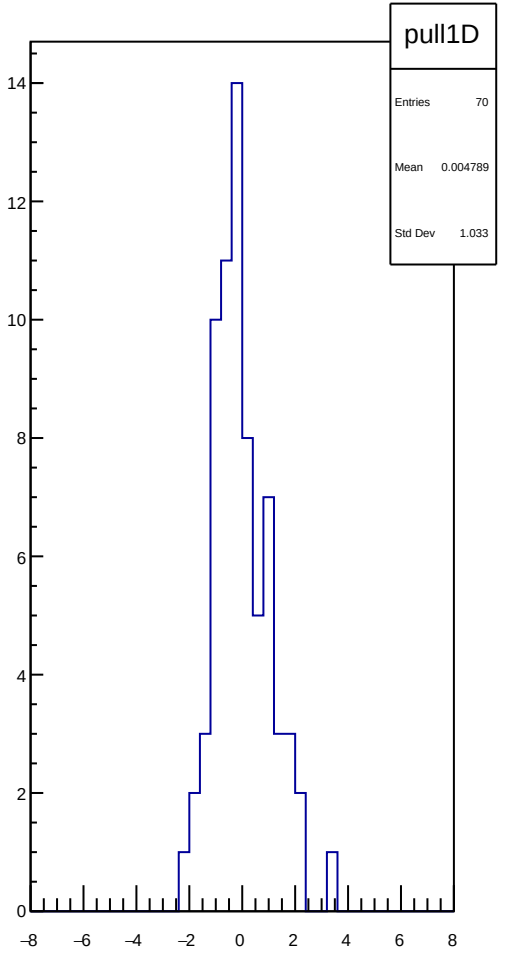

dit_asym_sam3_rms vs run
χ² / ndf 1.892e+05 / 69
p0 97.09 ± 0.09134
300
250
200
150
100
50

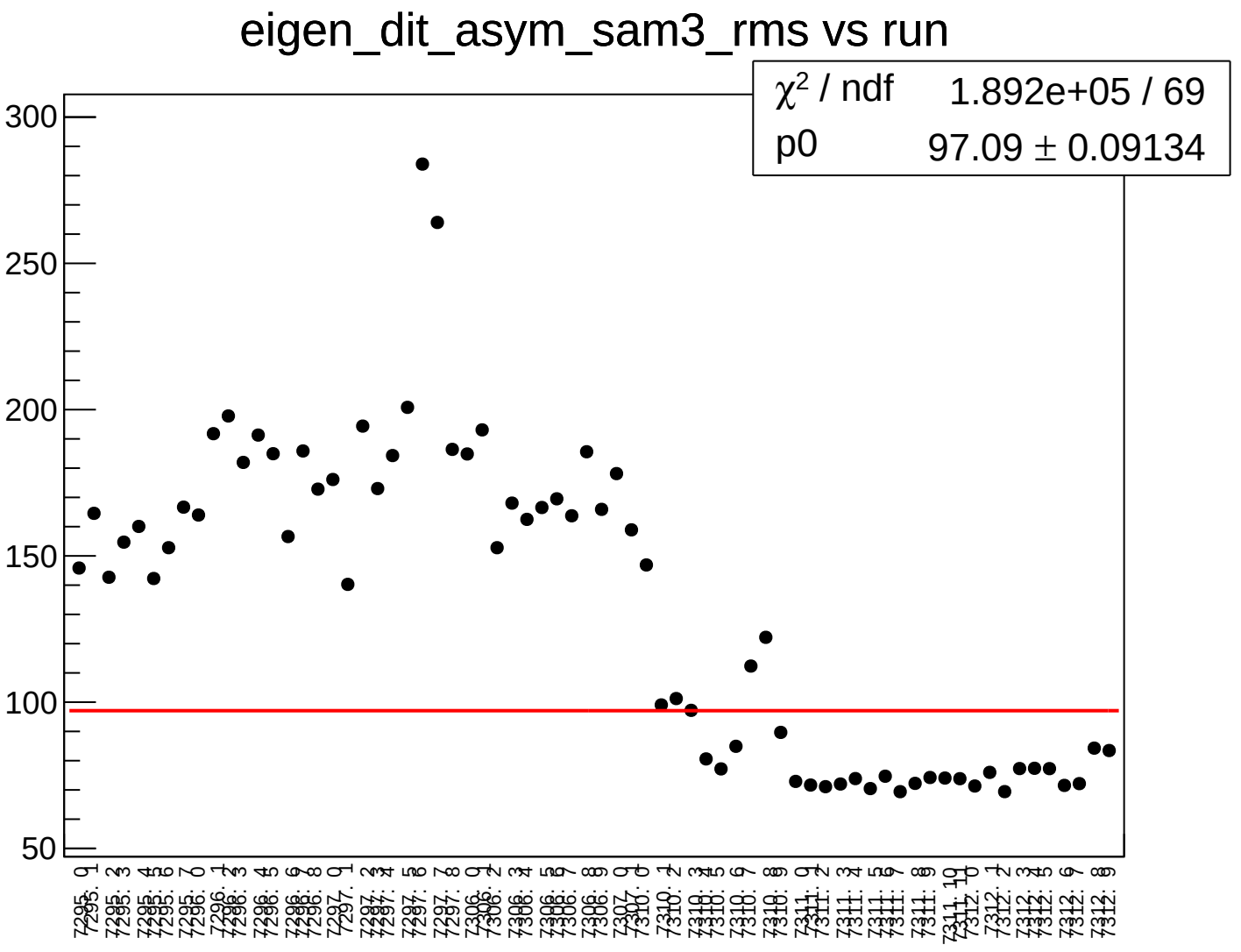

asym_sam3_dit_correction_mean vs run
χ² / ndf 79.37 / 69
p0 −1366 ± 838.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 406.3
Std Dev 0
2
1
0
−1
−2
−3

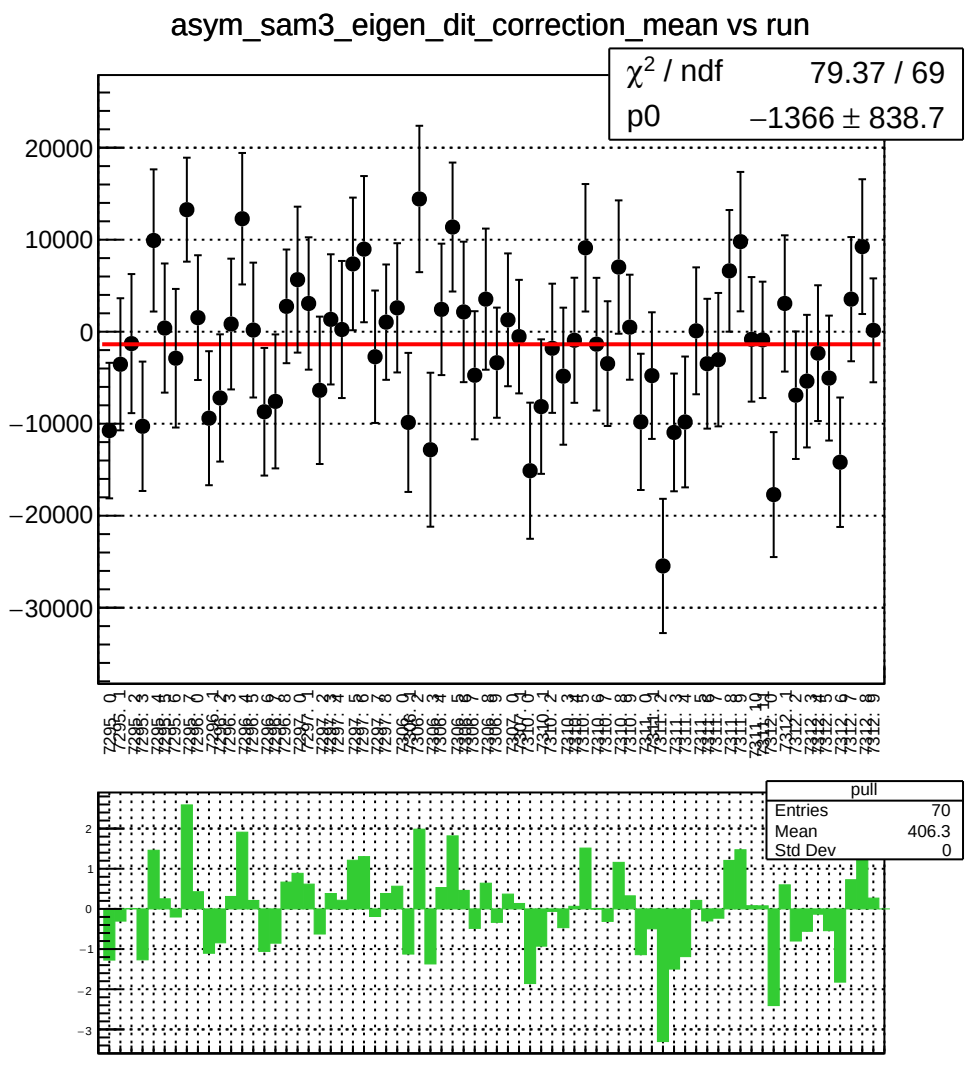

pull1D
Entries 70
Mean −0.008121
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

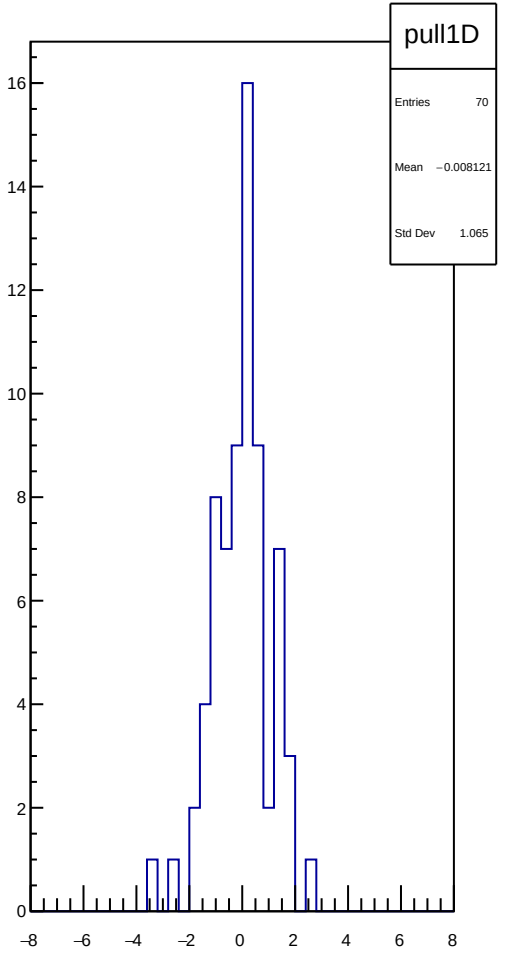

asym_sam3_dit_correction_rms vs run
χ² / ndf 3025 / 69
p0 680.3 ± 0.593
800
750
700
650
600

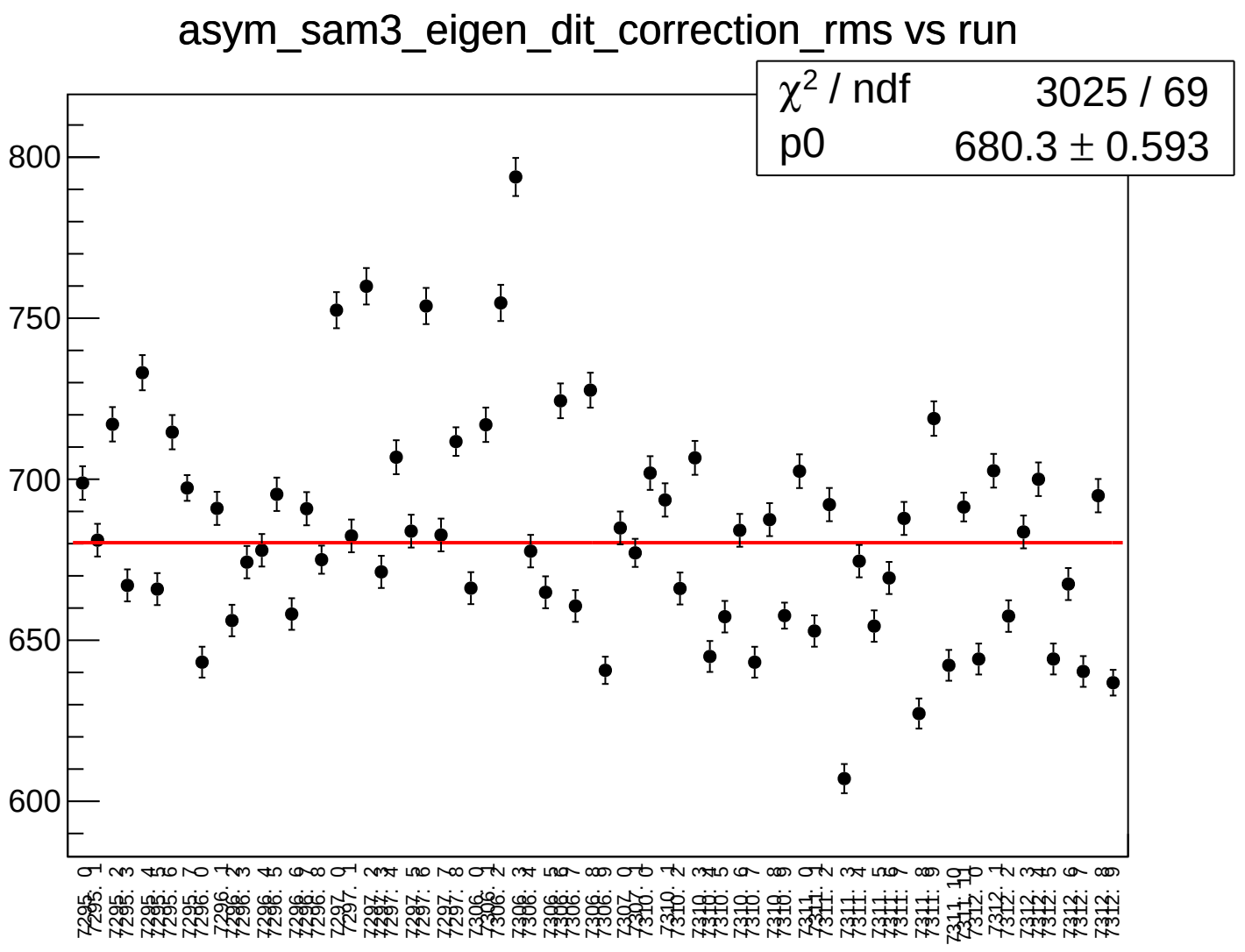

eigen_dit_asym_sam3_mean vs run
χ² / ndf 74.76 / 69
p0 −126.4 ± 129.2
pull
Entries 70
Mean −76.14
Std Dev 0

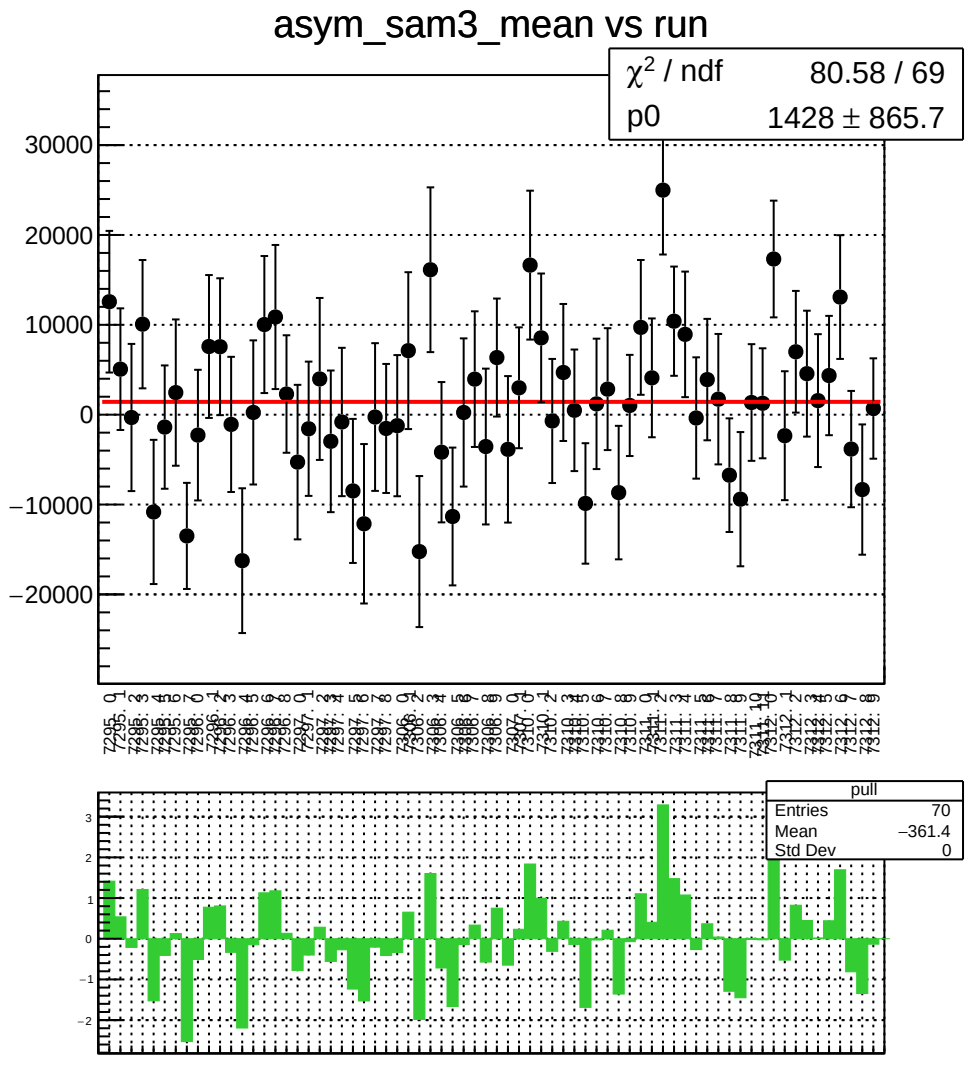

pull1D
Entries 70
Mean 0.004789
Std Dev 1.033

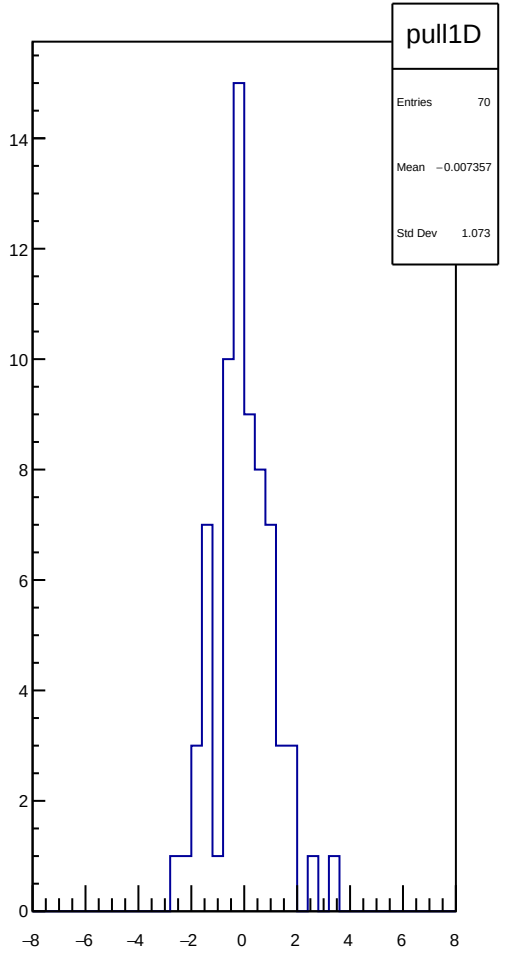

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.892e+05 / 69
p0 97.09 ± 0.09134
300
250
200
150
100
50

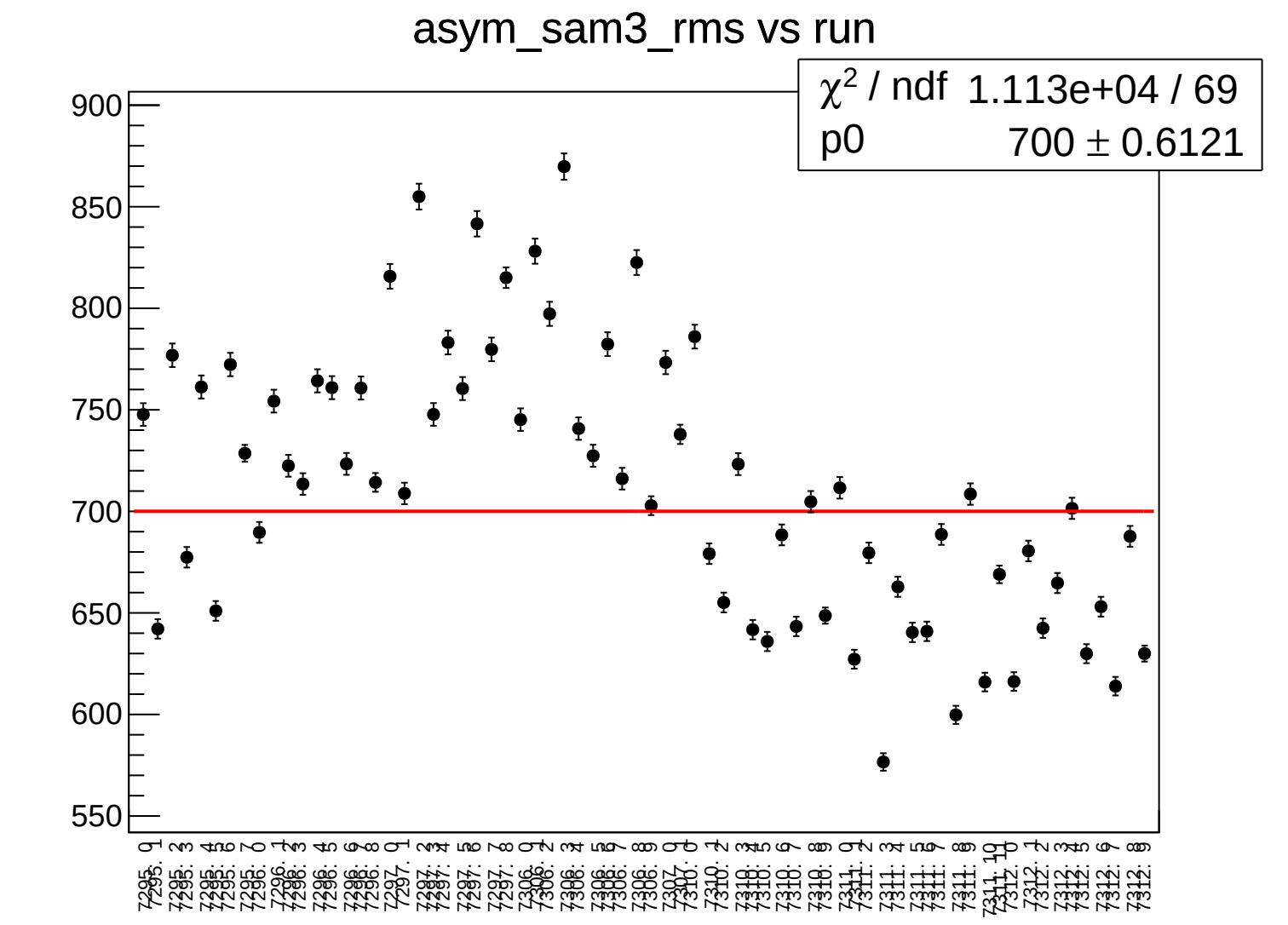

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 79.37 / 69
p0 −1366 ± 838.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 406.3
Std Dev 0
2
1
0
−1
−2
−3

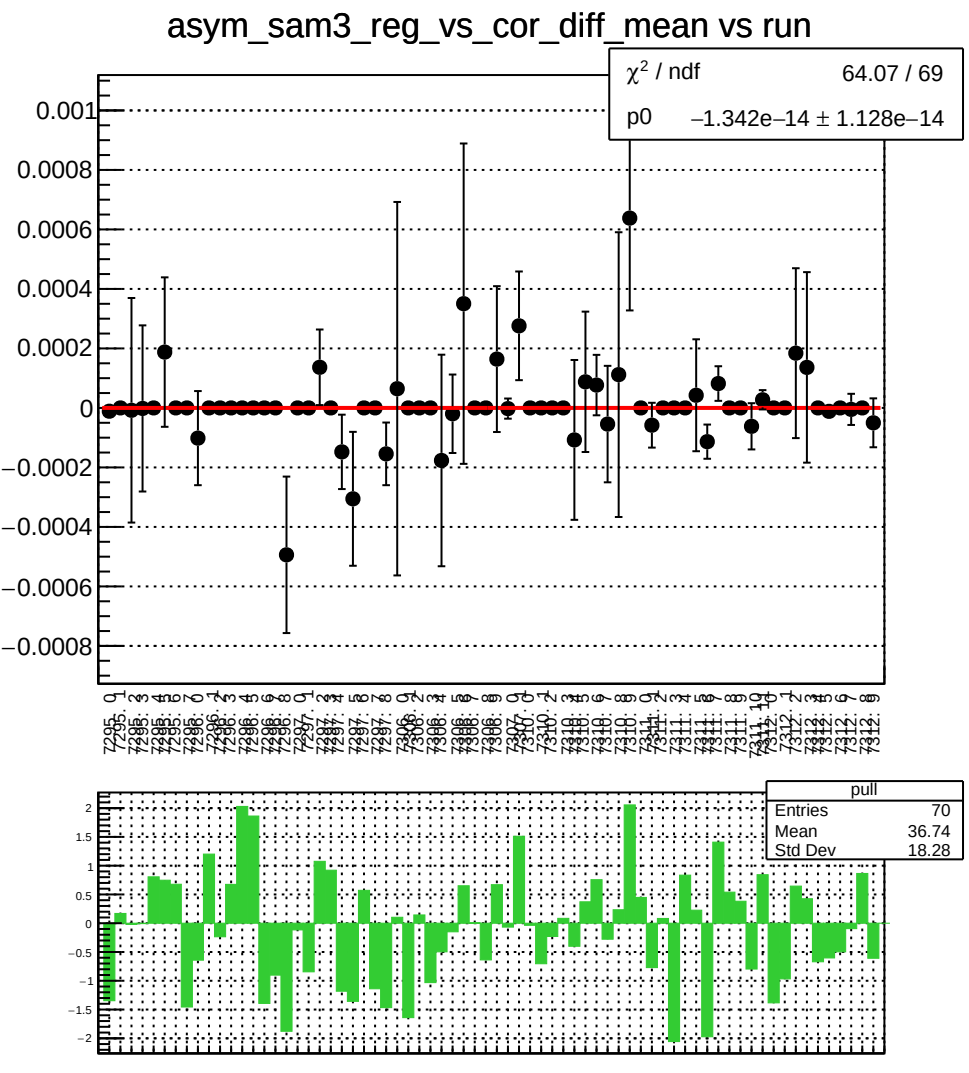

pull1D
Entries 70
Mean −0.008121
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

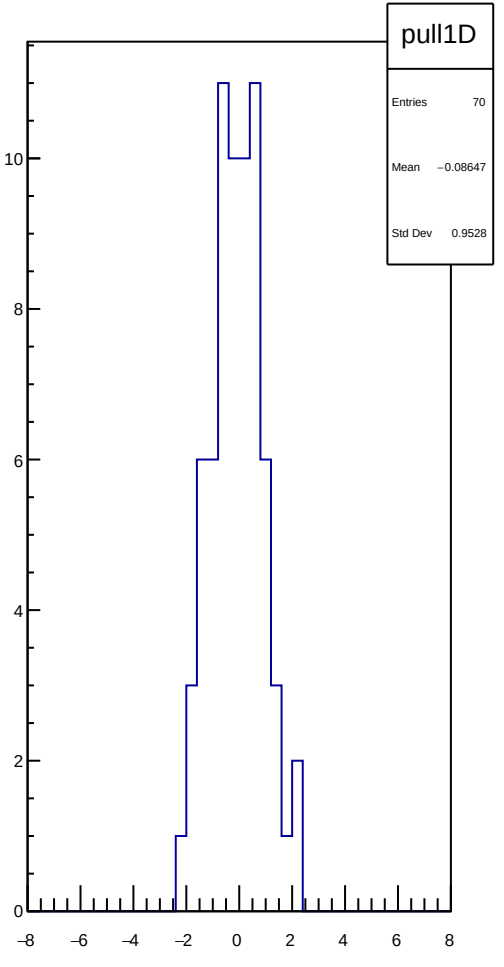

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 3025 / 69
p0 680.3 ± 0.593
800
750
700
650
600

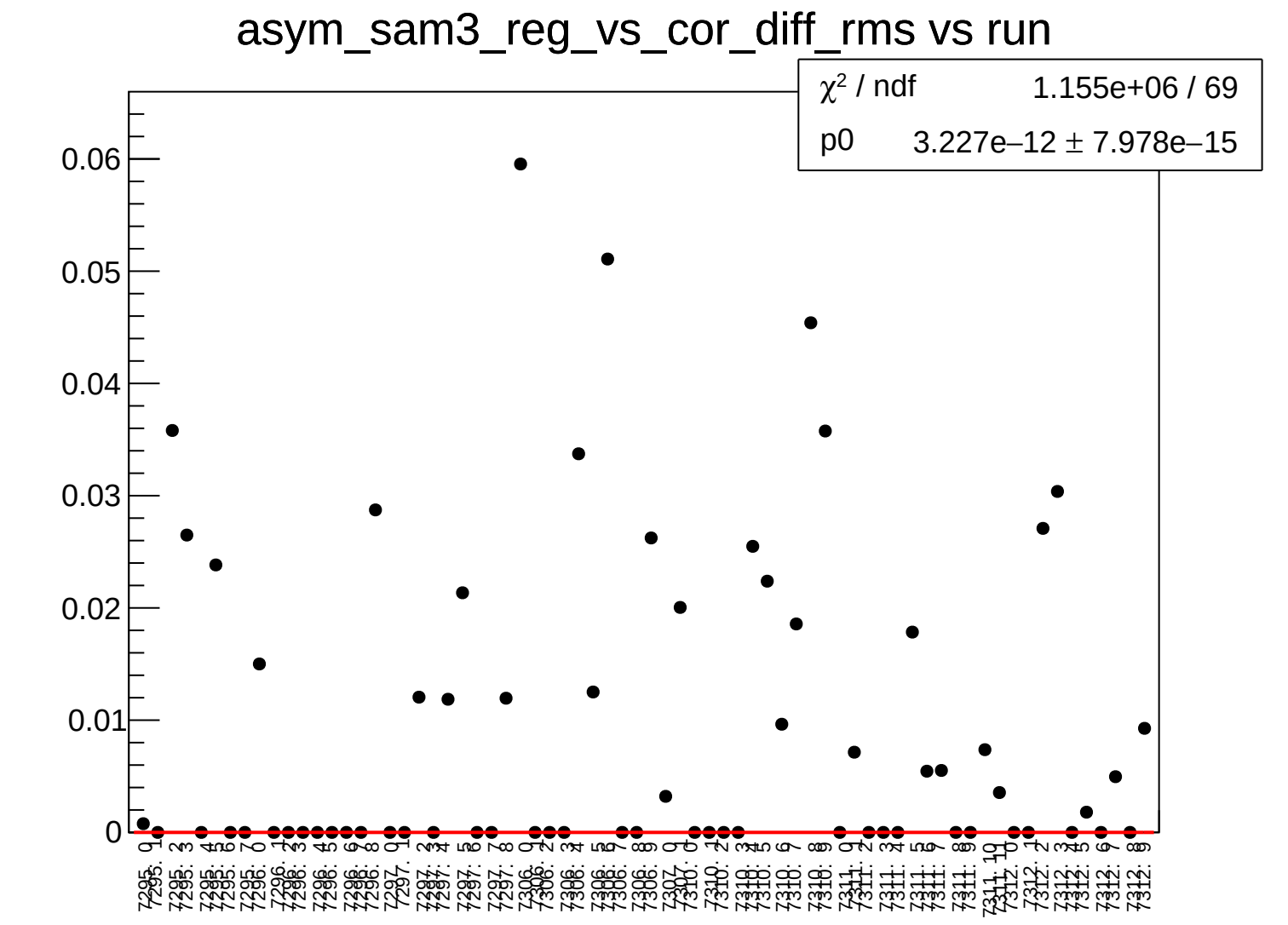

asym_sam3_mean vs run
χ² / ndf 80.58 / 69
p0 1428 ± 865.7
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −361.4
Std Dev 0
3
2
1
0
−1
−2

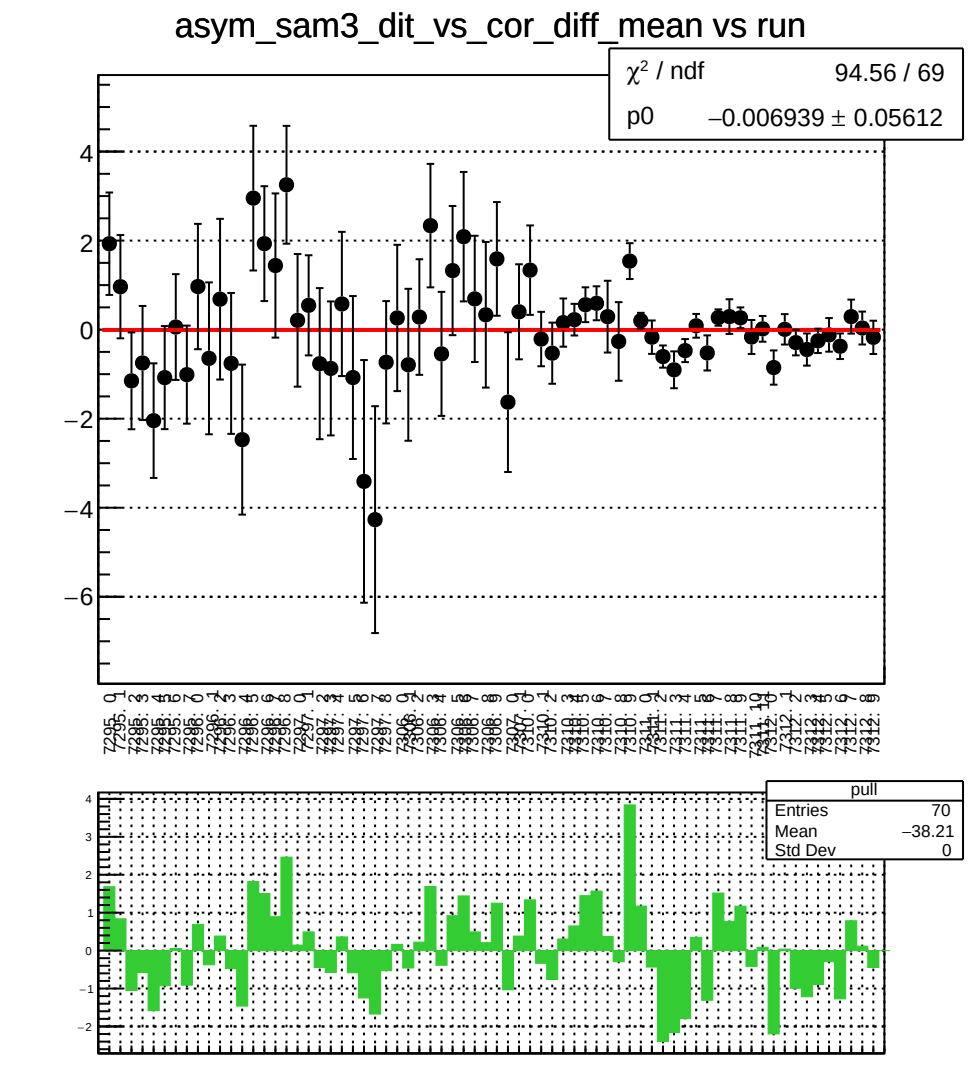

pull1D
Entries 70
Mean −0.007357
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

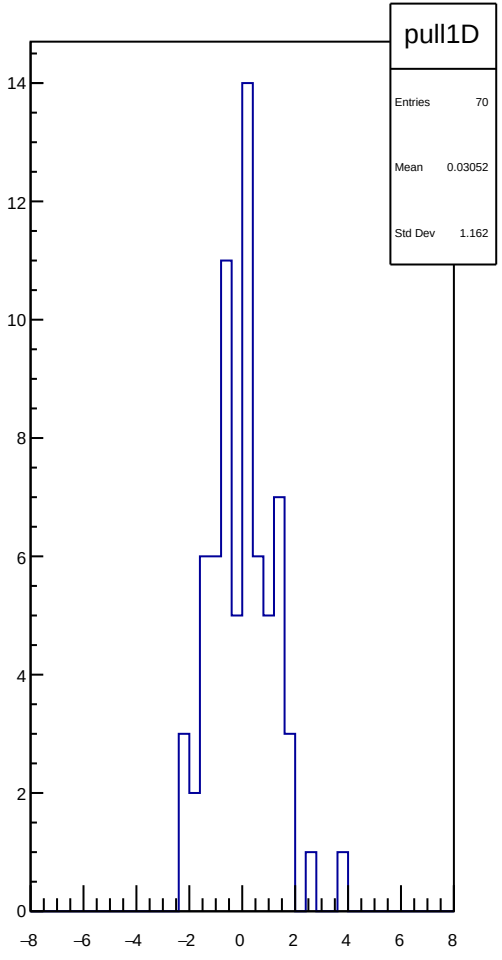

asym_sam3_rms vs run
χ² / ndf 1.113e+04 / 69
p0 700 ± 0.6121
900
850
800
750
700
650
600
550

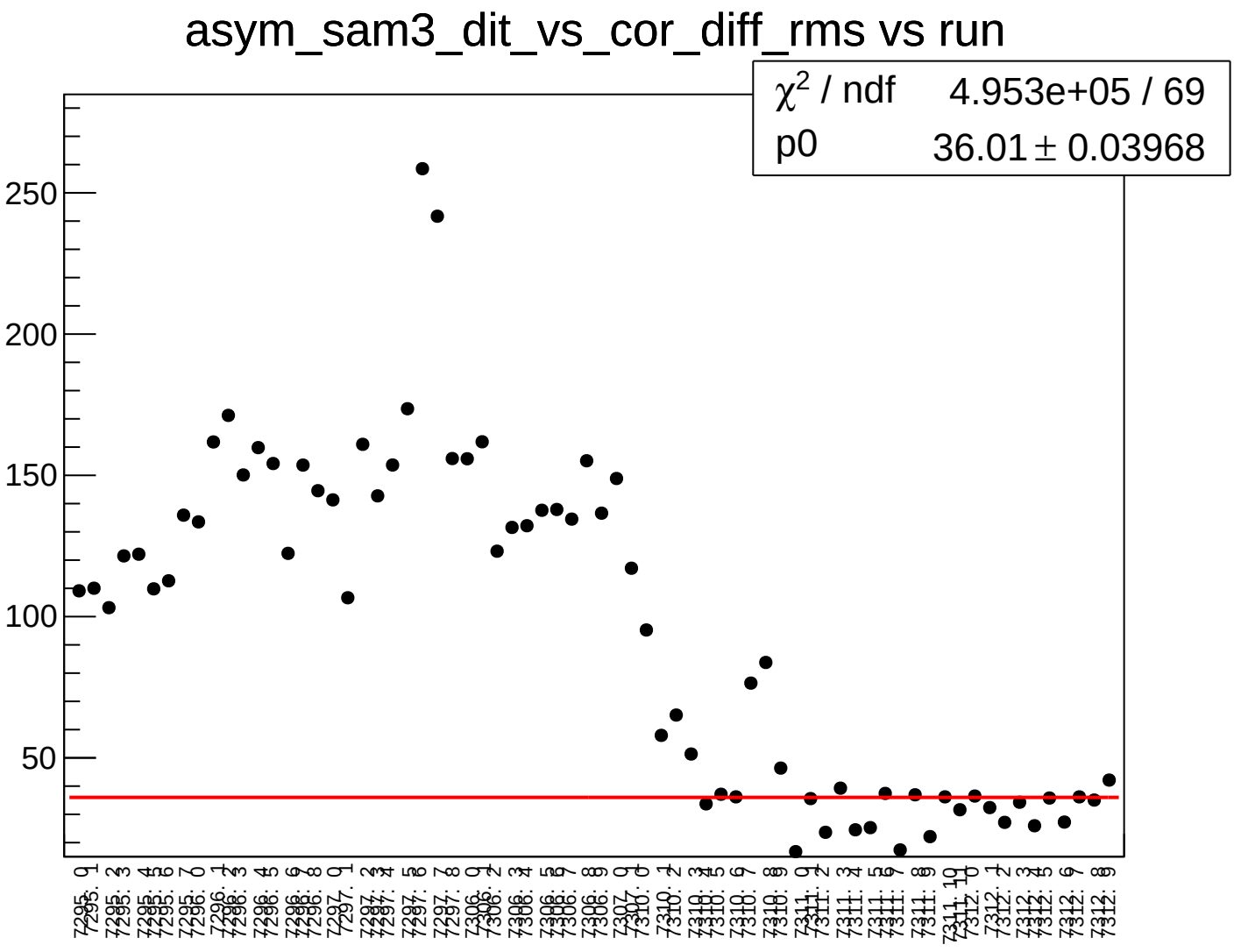

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 64.07 / 69
p0 −1.342e−14 ± 1.128e−14
pull
Entries 70
Mean 36.74
Std Dev 18.28

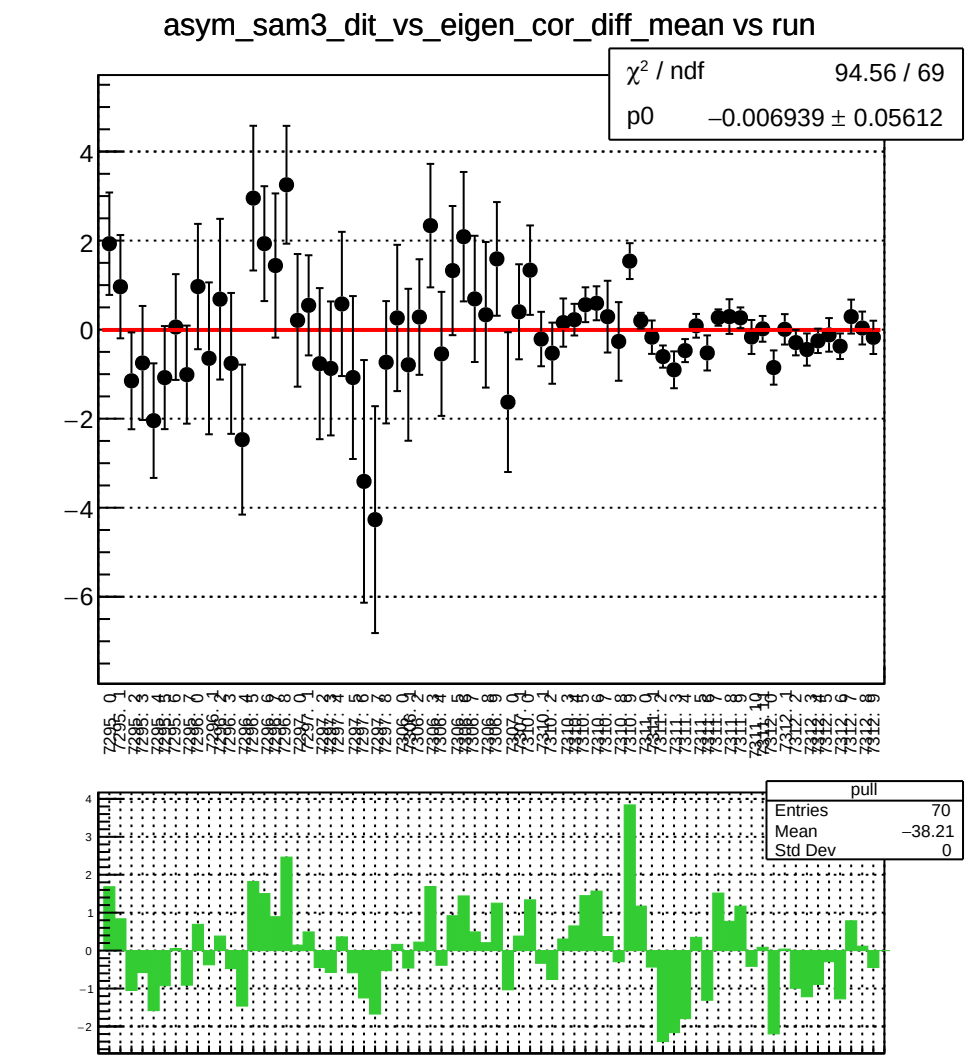

pull1D
Entries 70
Mean −0.08647
Std Dev 0.9528

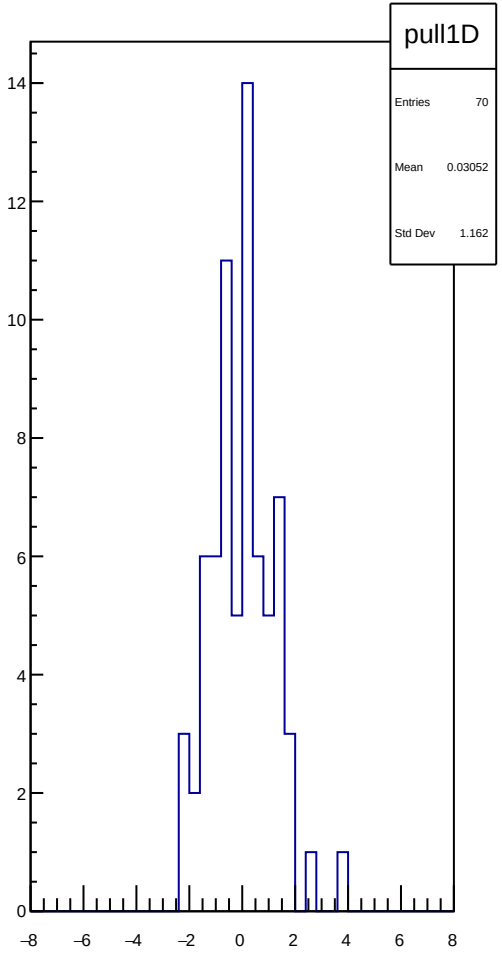

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 1.155e+06 / 69
p0 3.227e−12 ± 7.978e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

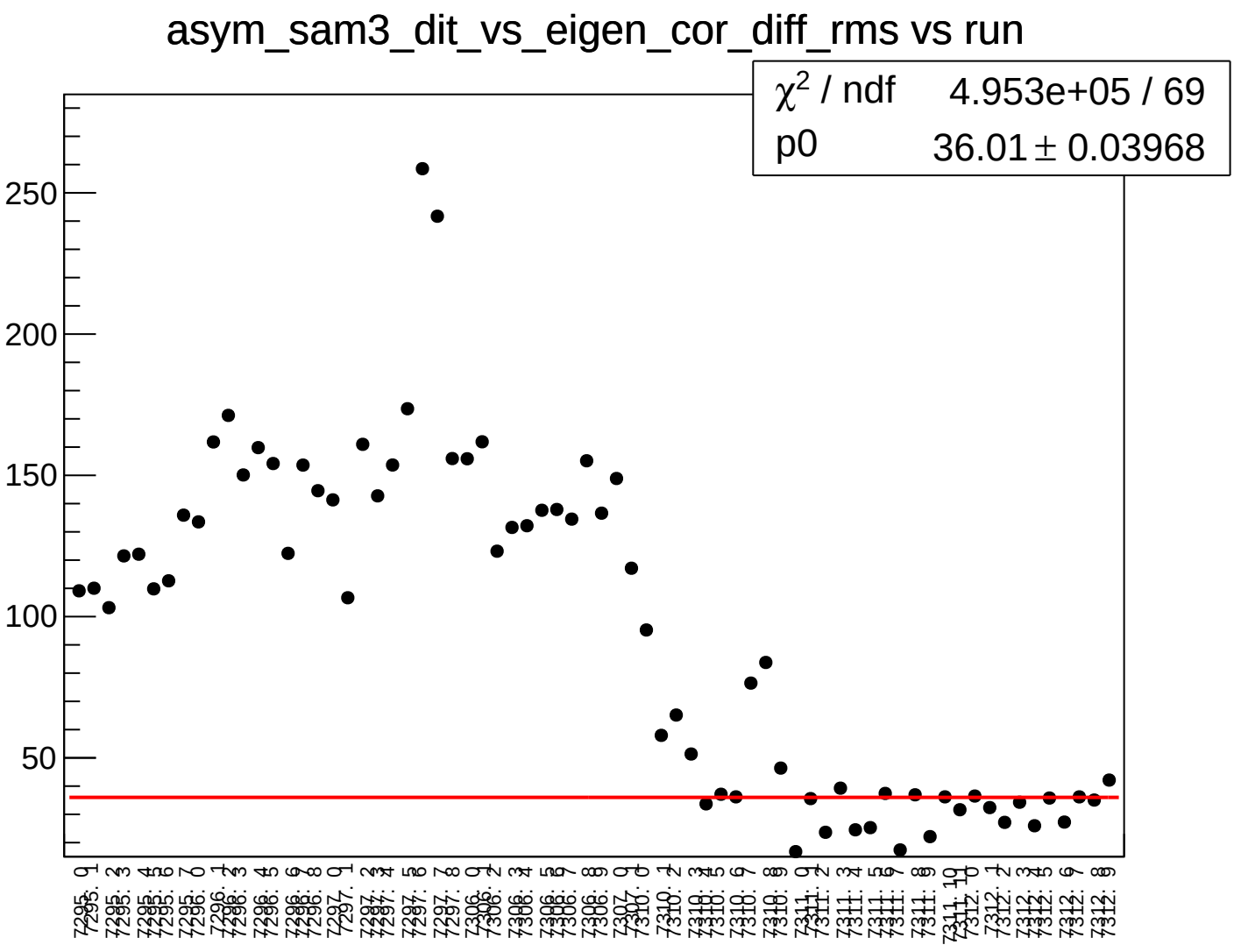

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 94.56 / 69
p0 −0.006939 ± 0.05612
pull
Entries 70
Mean −38.21
Std Dev 0

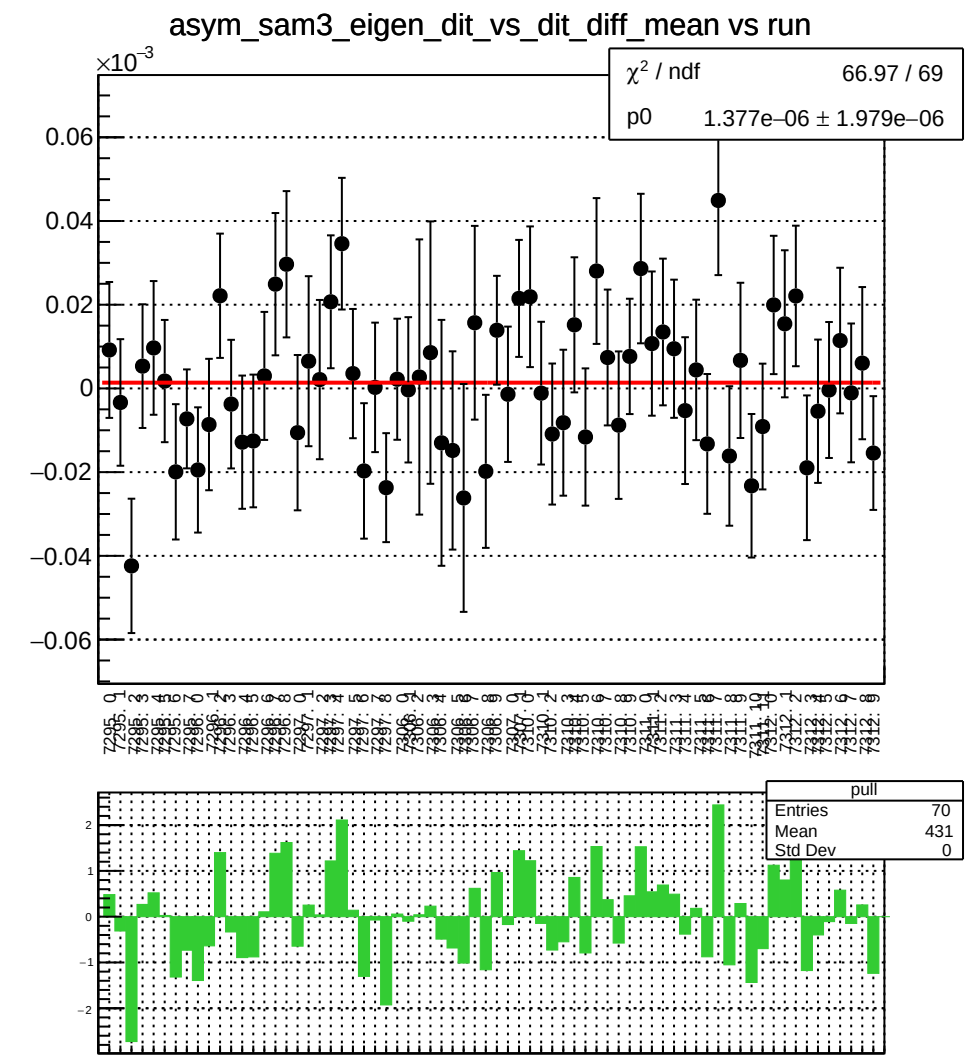

pull1D
Entries 70
Mean 0.03052
Std Dev 1.162

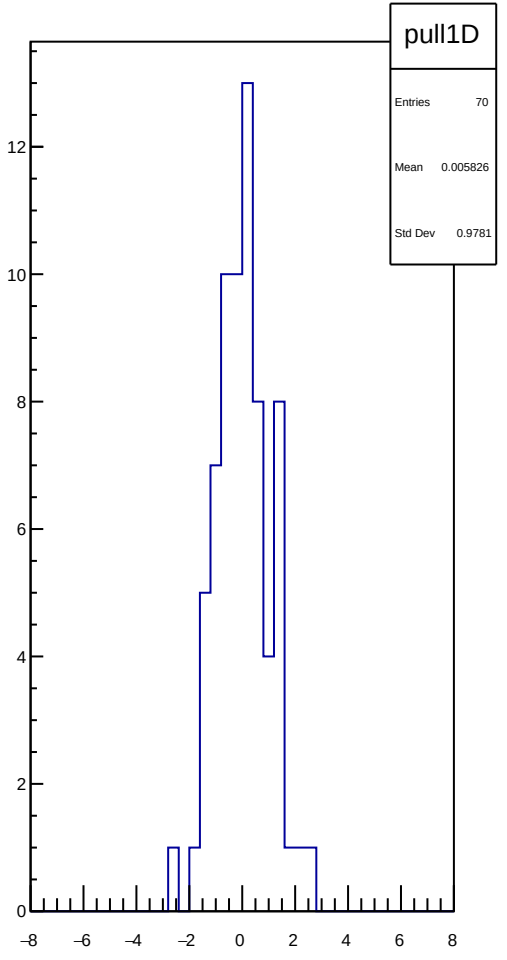

asym_sam3_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.953e+05 / 69
p0 36.01 ± 0.03968
250
200
150
100
50

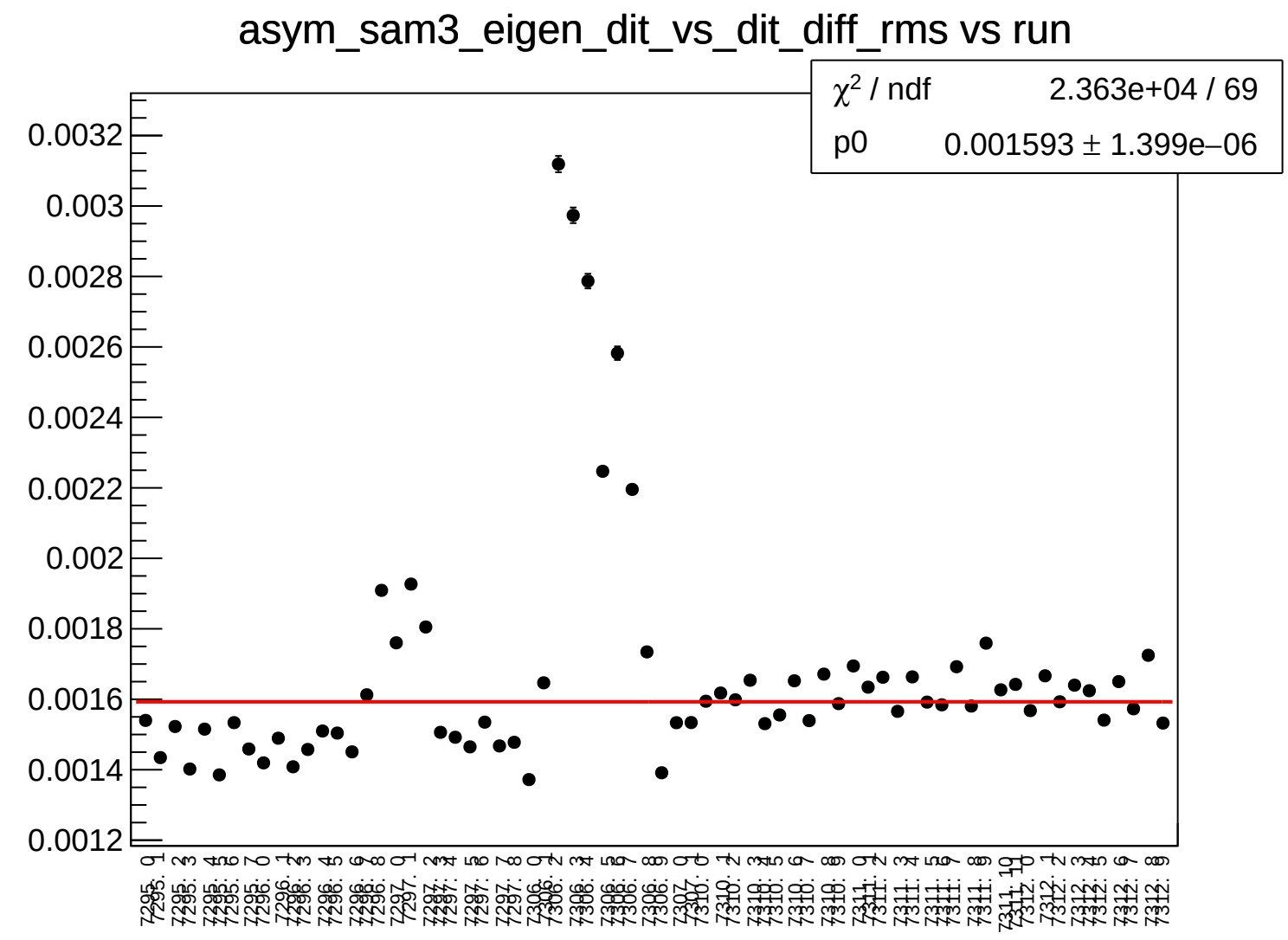

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.56 / 69
p0 −0.006939 ± 0.05612
pull
Entries 70
Mean −38.21
Std Dev 0

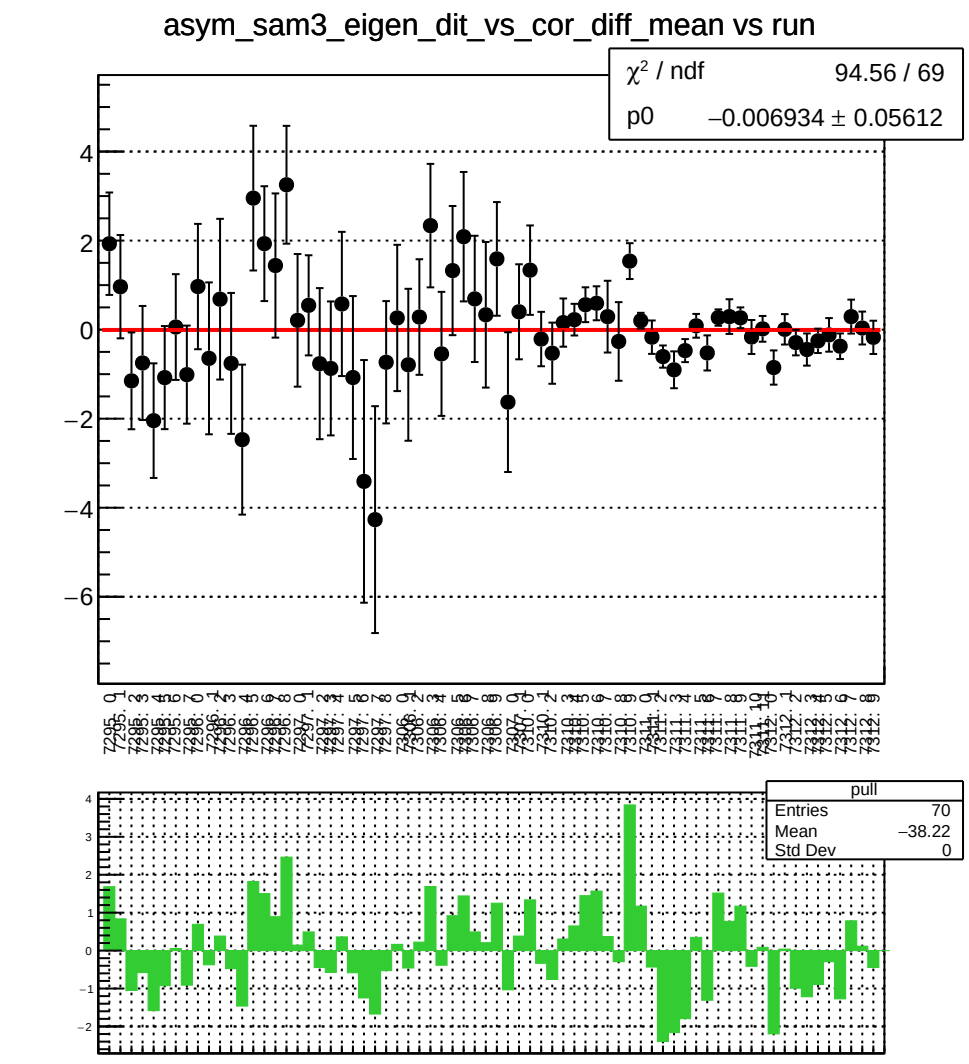

pull1D
Entries 70
Mean 0.03052
Std Dev 1.162

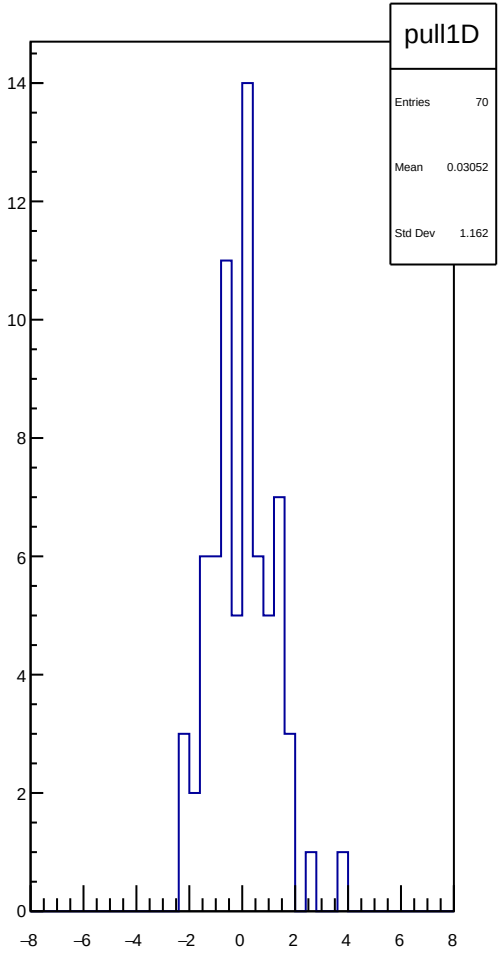

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.953e+05 / 69
p0 36.01 ± 0.03968
250
200
150
100
50

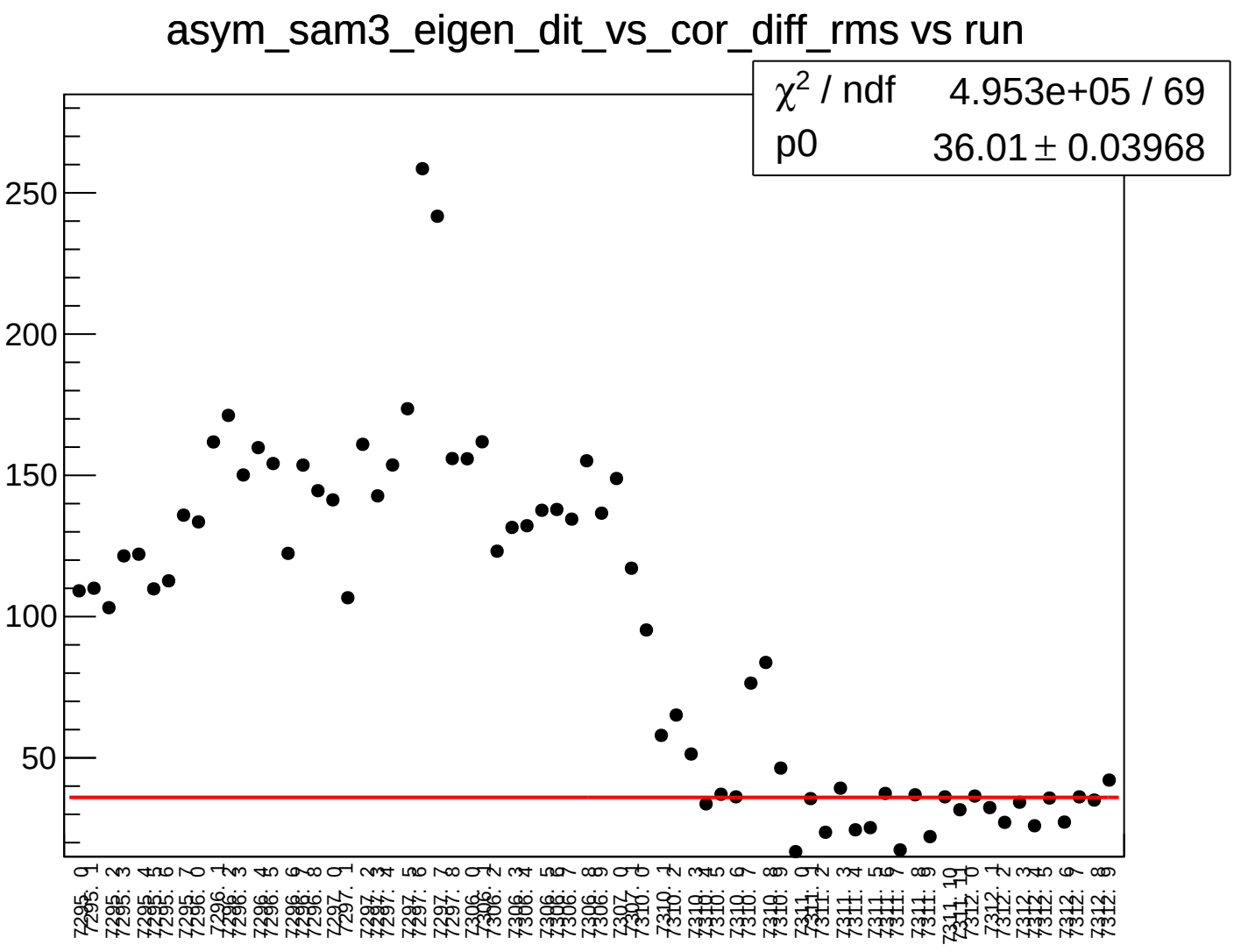

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.97 / 69
p0 1.377e−06 ± 1.979e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 70
Mean 431
Std Dev 0
2
1
0
−1
−2

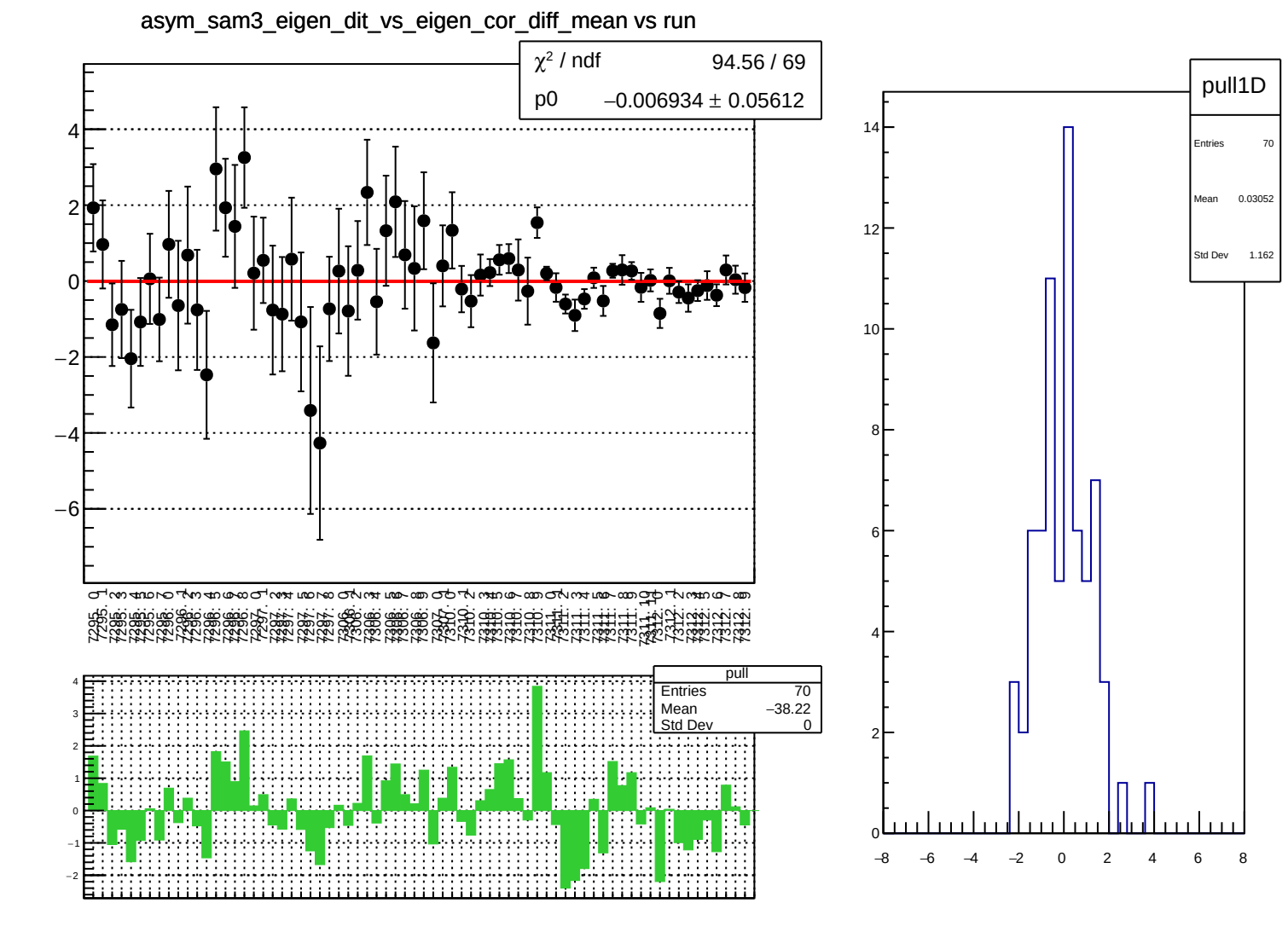

pull1D
Entries 70
Mean 0.005826
Std Dev 0.9781
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

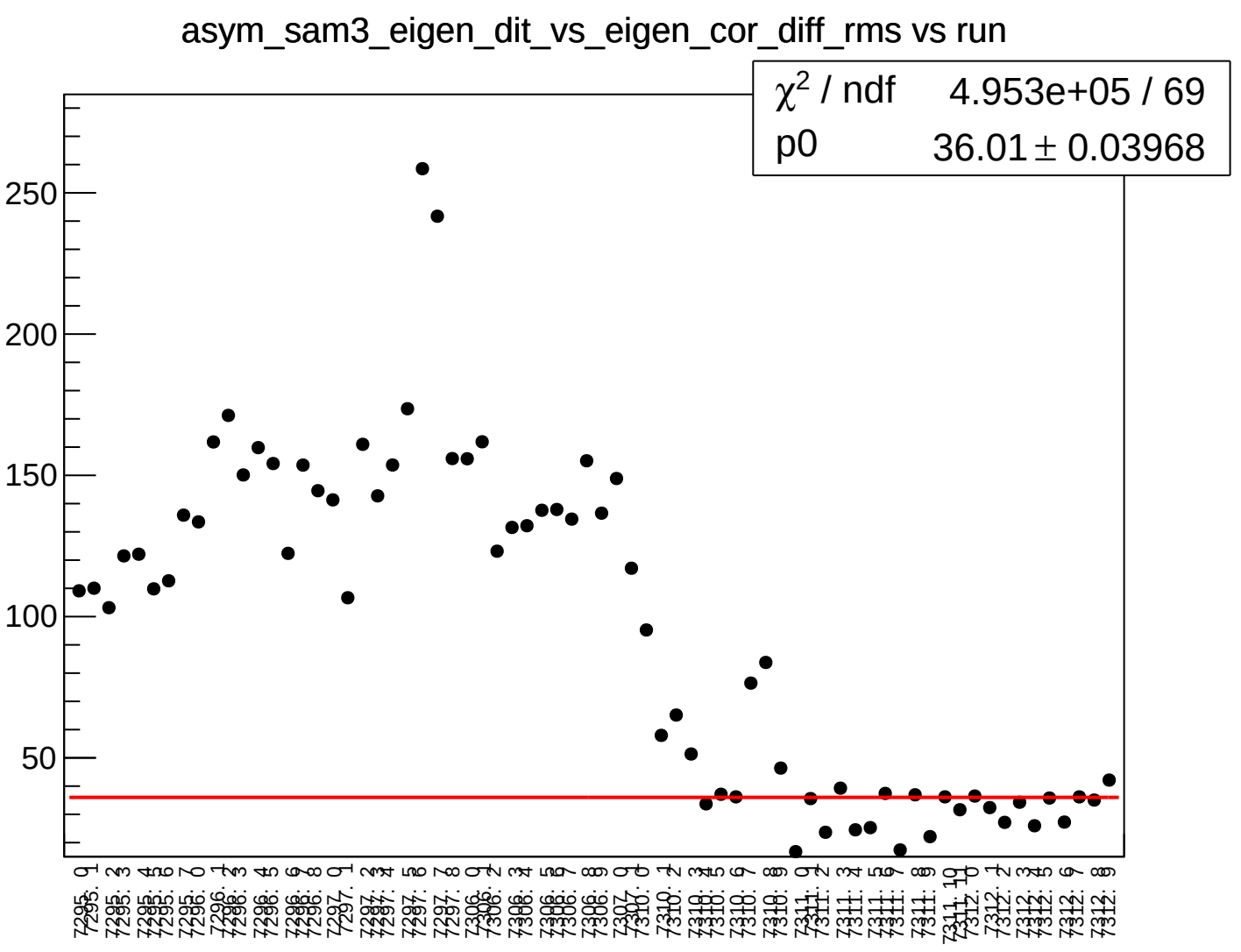

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.363e+04 / 69
p0 0.001593 ± 1.399e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

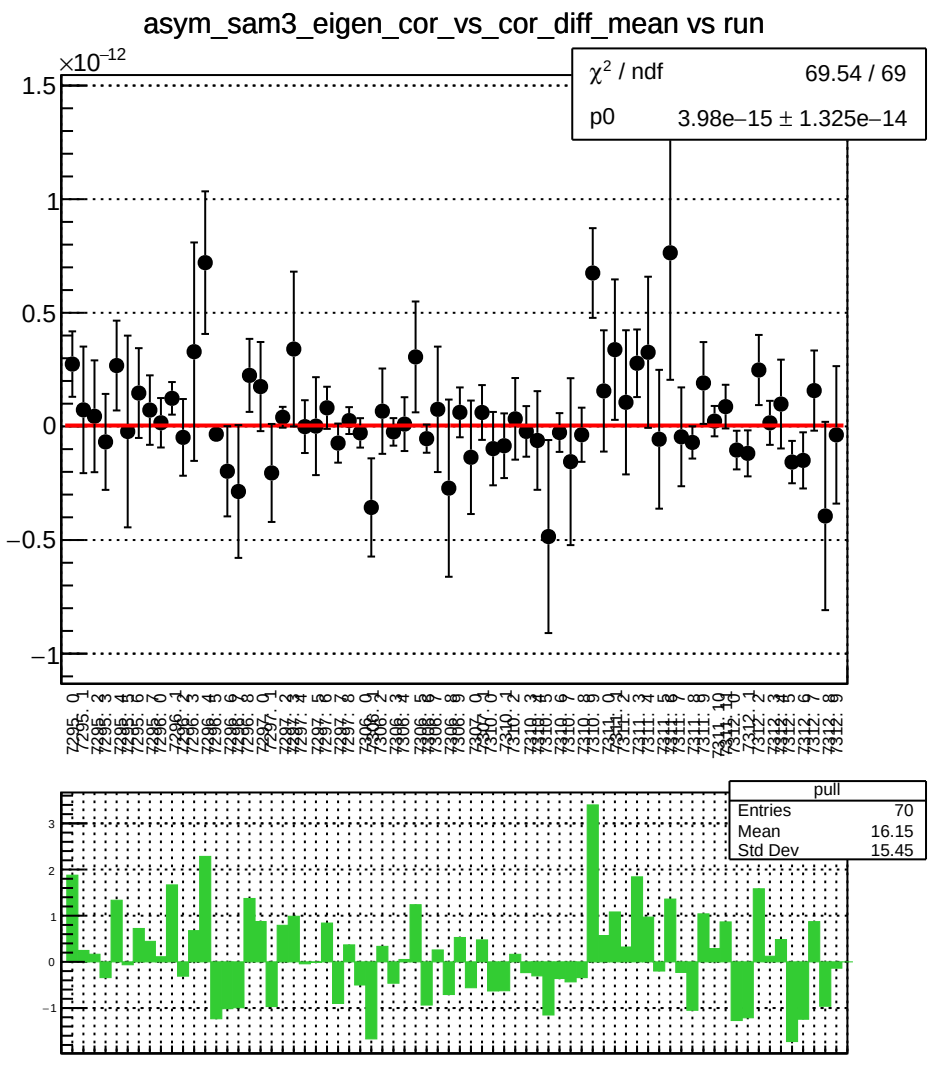

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.56 / 69
p0 −0.006934 ± 0.05612
pull
Entries 70
Mean −38.22
Std Dev 0

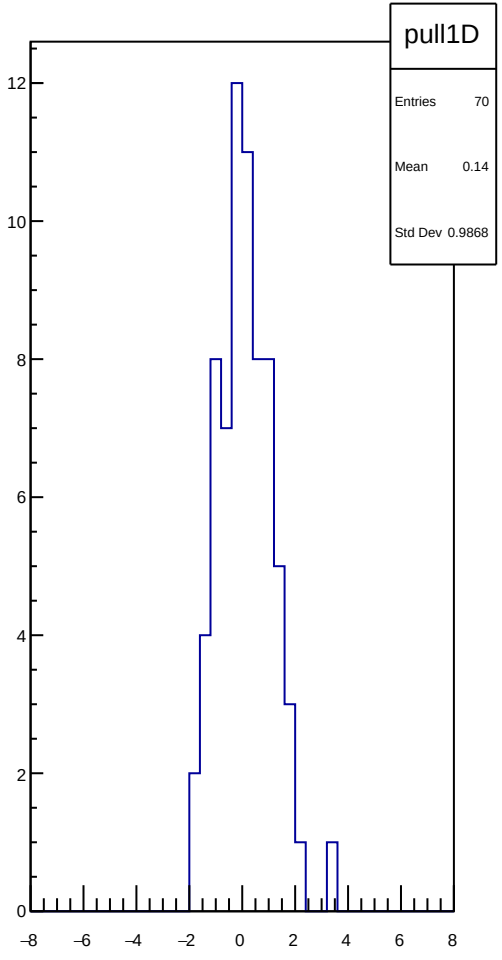

pull1D
Entries 70
Mean 0.03052
Std Dev 1.162

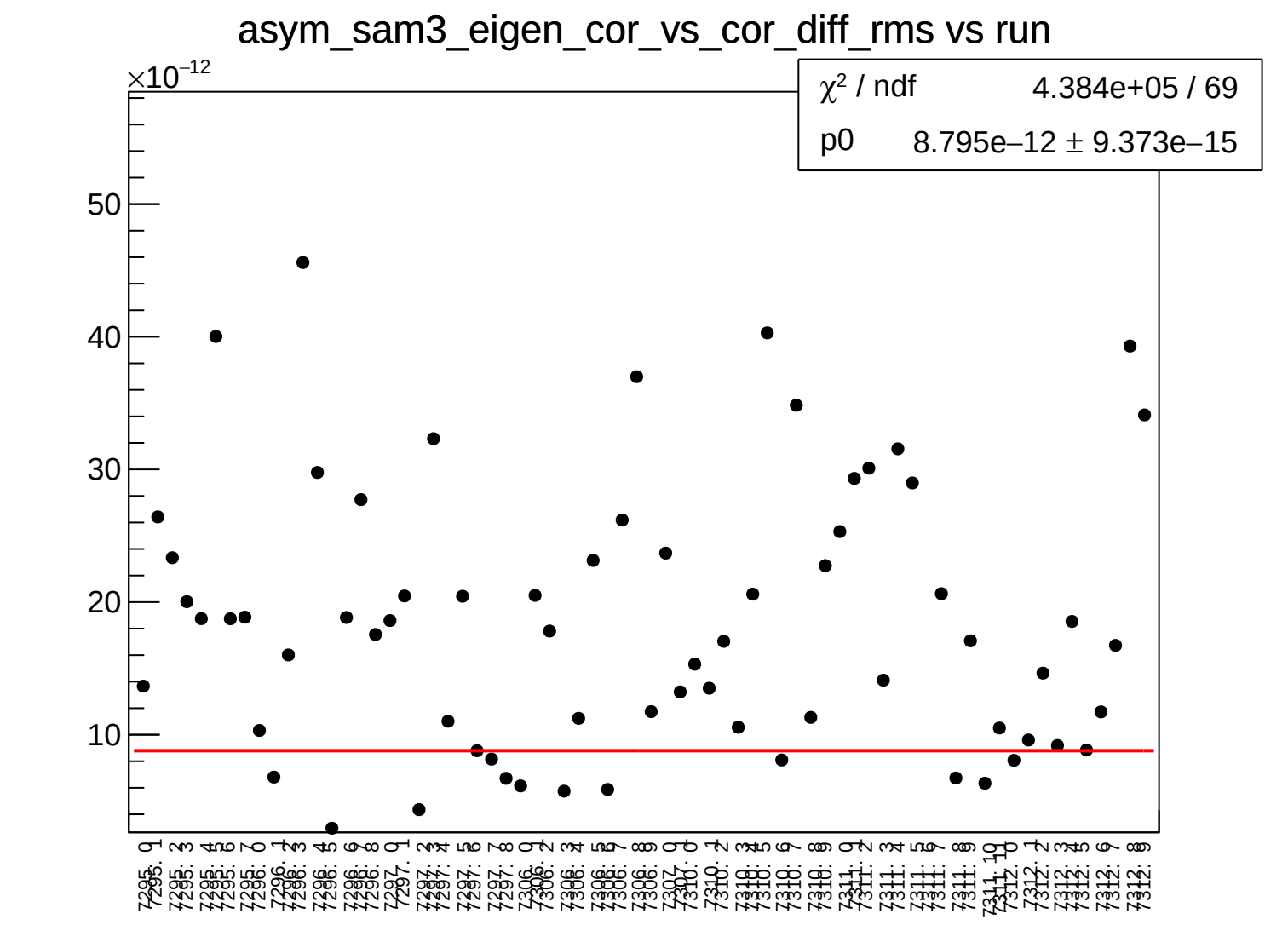

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.953e+05 / 69
p0 36.01 ± 0.03968
250
200
150
100
50

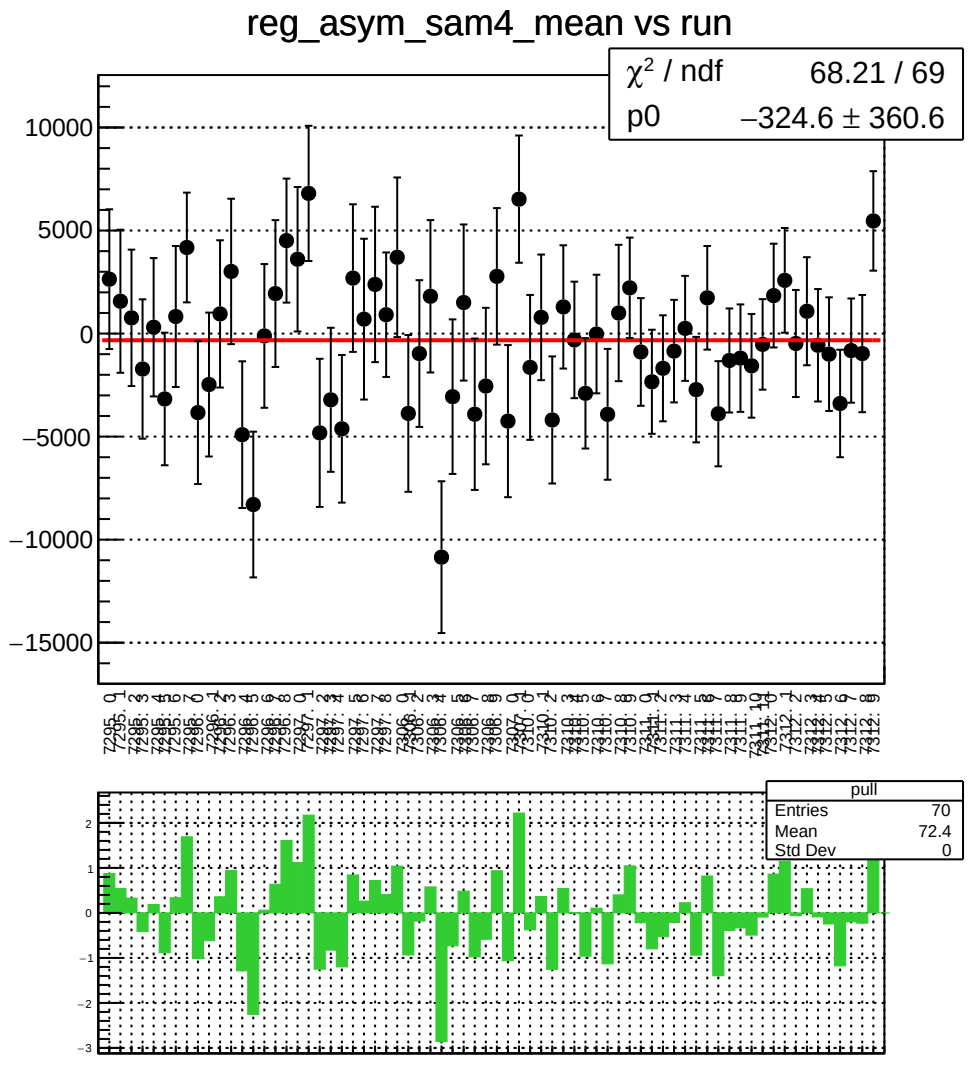

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.56 / 69
p0 −0.006934 ± 0.05612
pull
Entries 70
Mean −38.22
Std Dev 0
pull1D
Entries 70
Mean 0.03052
Std Dev 1.162

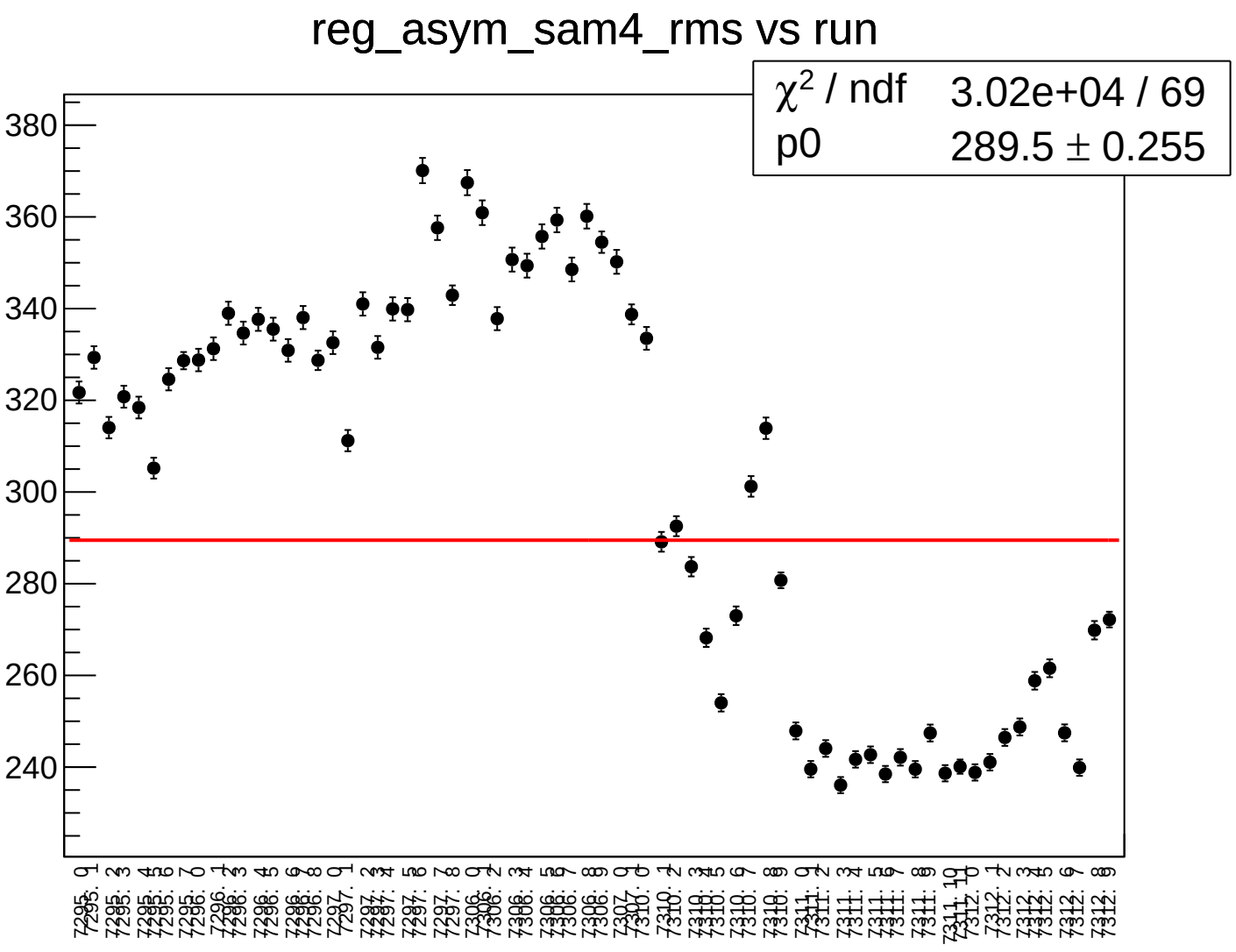

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.953e+05 / 69
p0 36.01 ± 0.03968
250
200
150
100
50

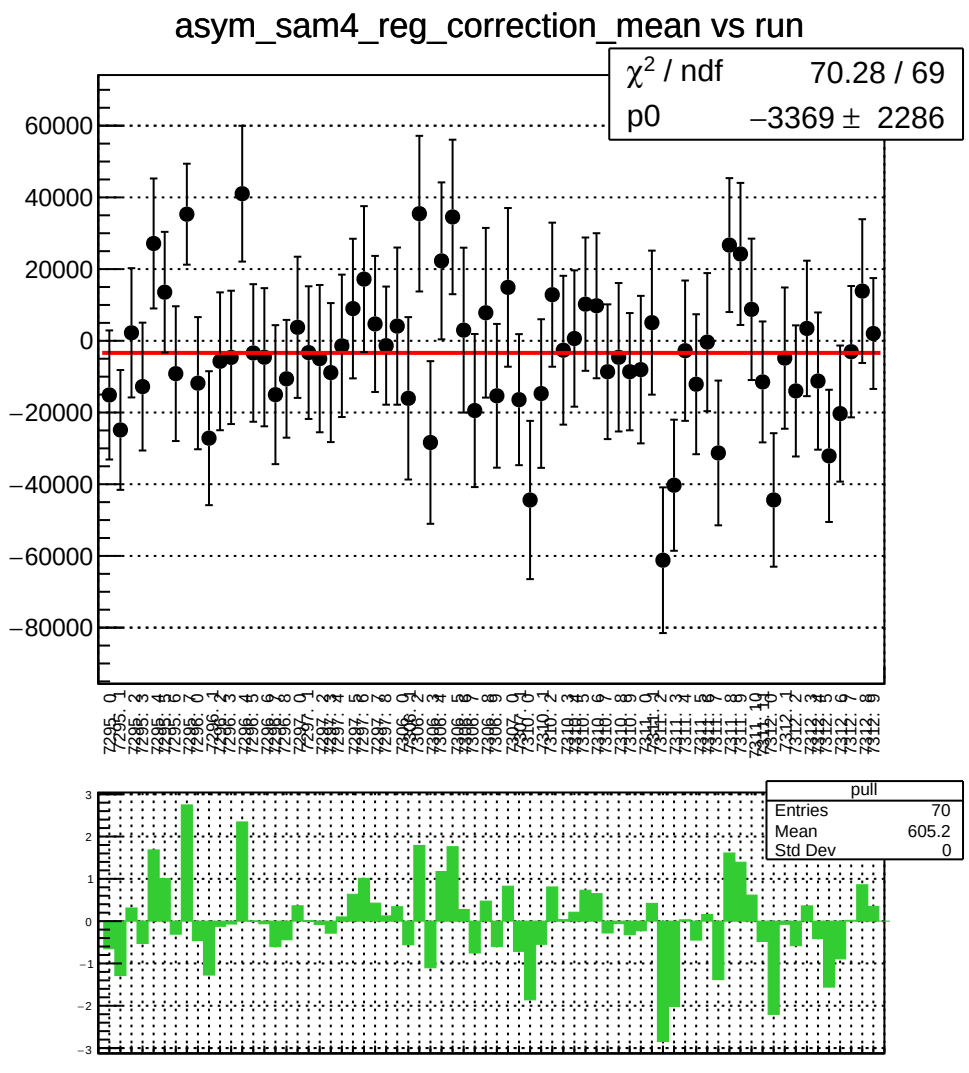

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.54 / 69
p0 3.98e−15 ± 1.325e−14
pull
Entries 70
Mean 16.15
Std Dev 15.45

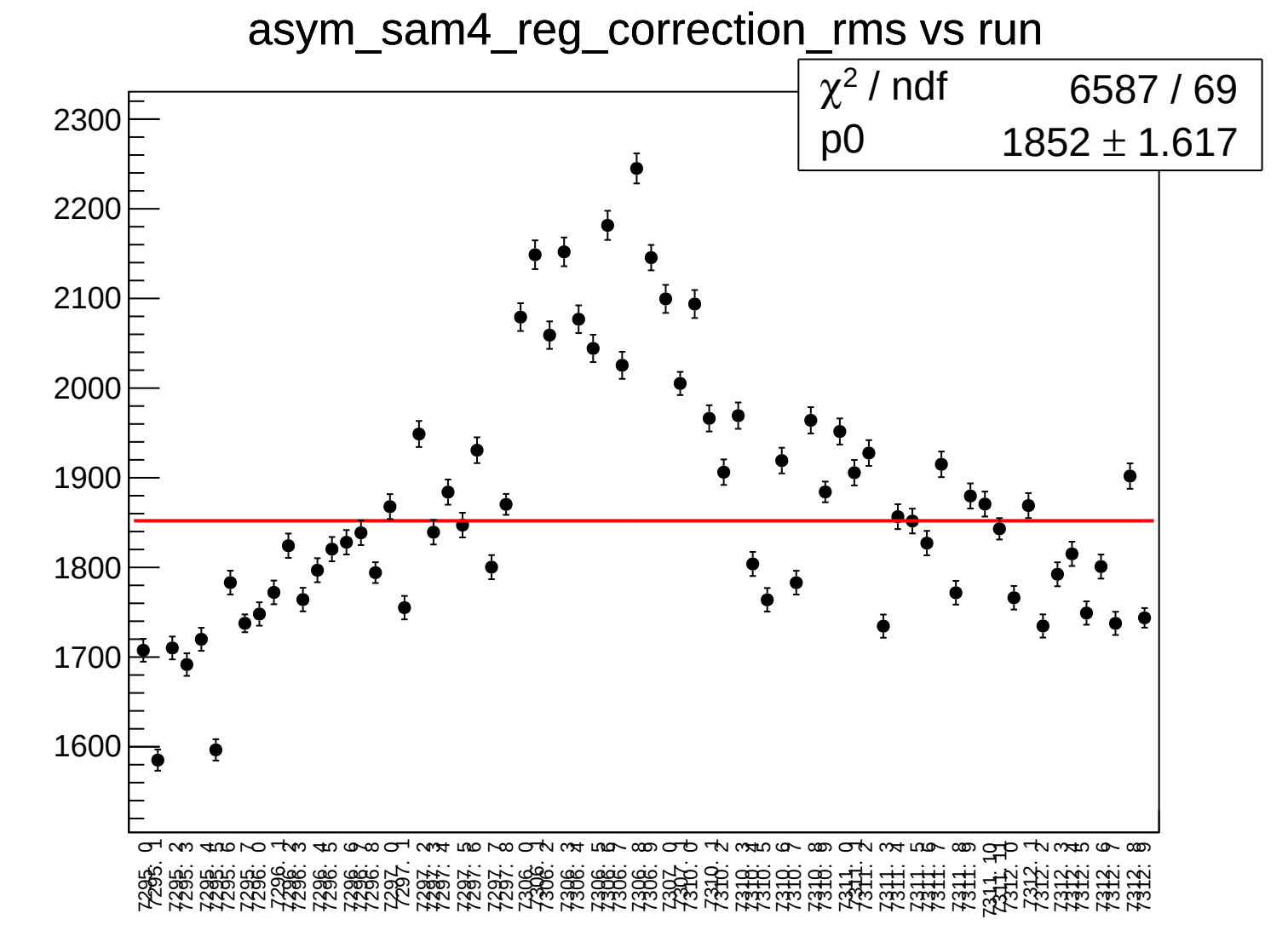

pull1D
Entries 70
Mean 0.14
Std Dev 0.9868

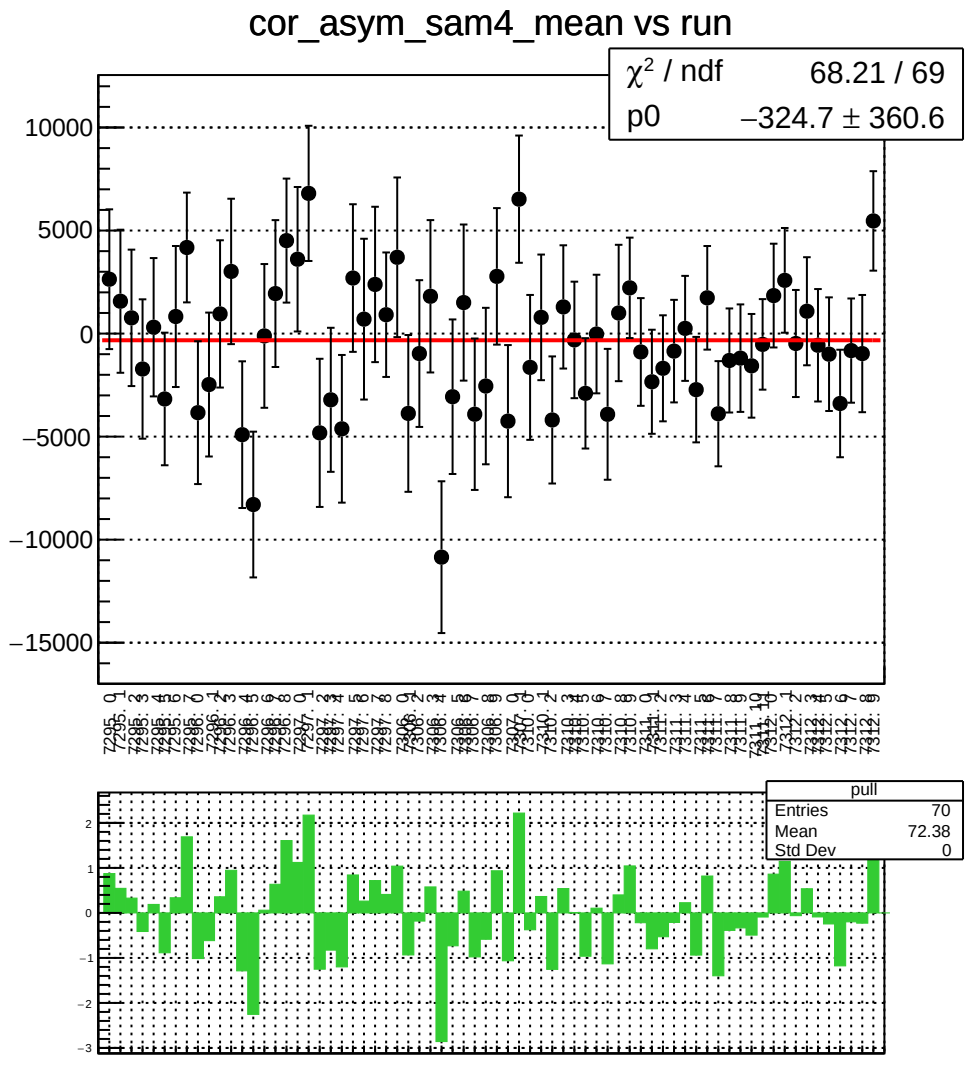

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.384e+05 / 69
p0 8.795e−12 ± 9.373e−15
50
40
30
20
10

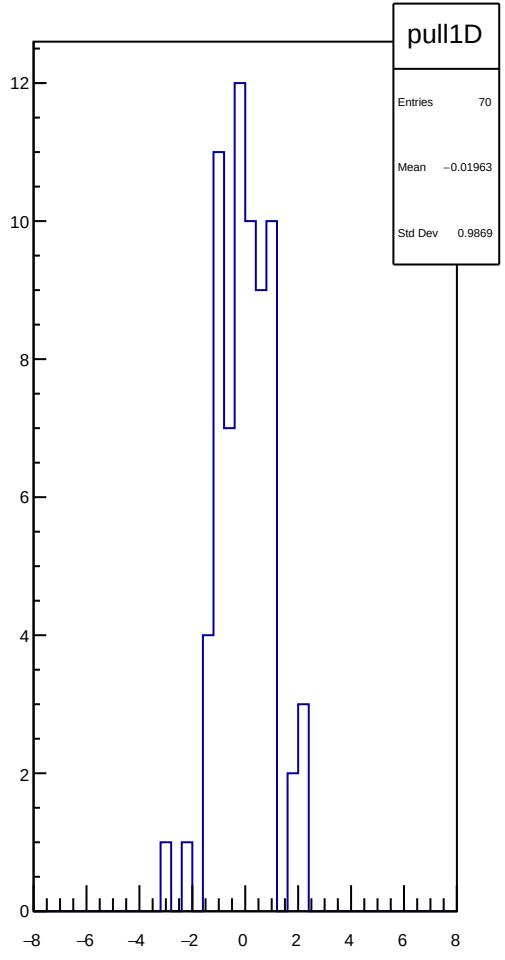

reg_asym_sam4_mean vs run
χ² / ndf 68.21 / 69
p0 −324.6 ± 360.6
pull
Entries 70
Mean 72.4
Std Dev 0
pull1D
Entries 70
Mean −0.01963
Std Dev 0.9869

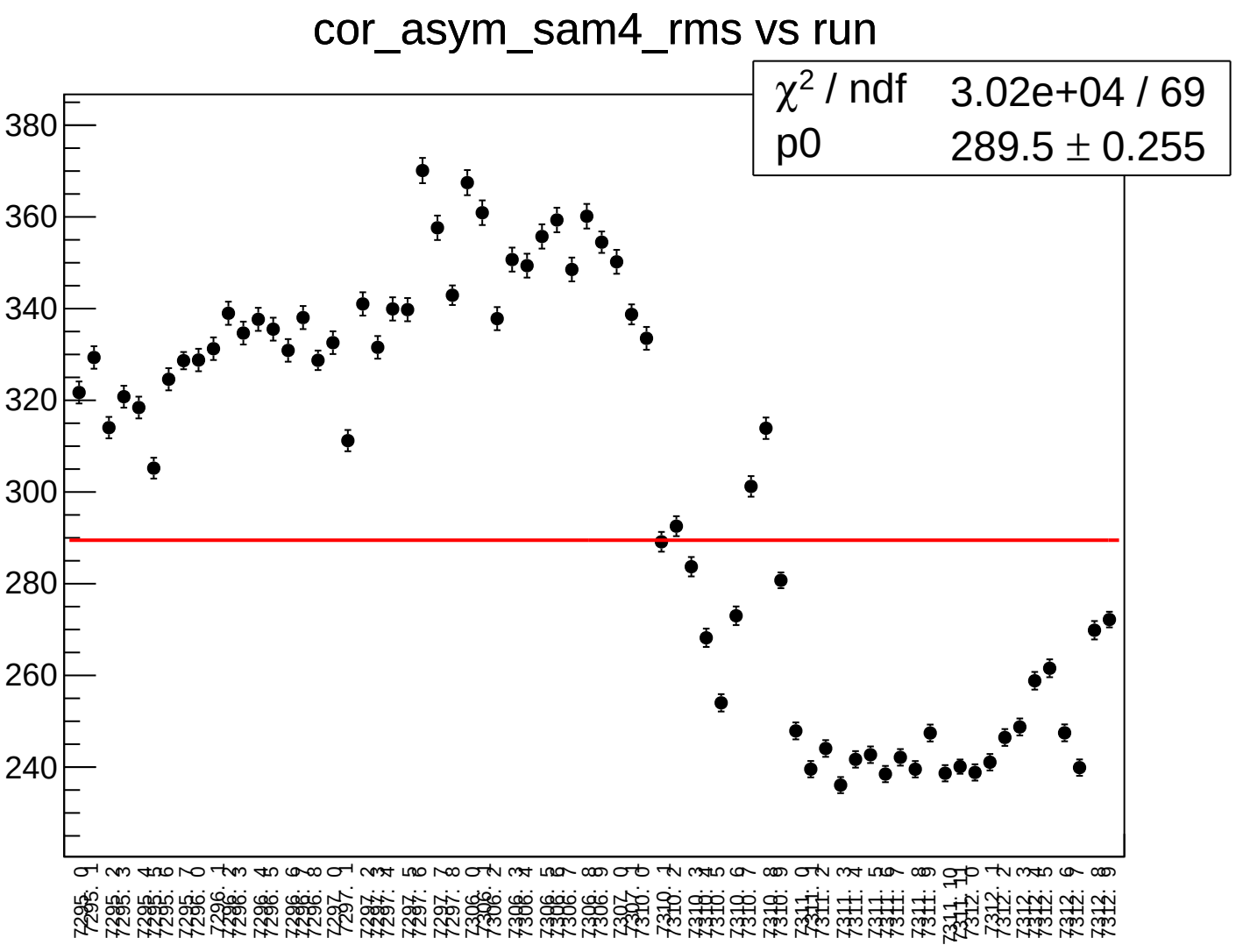

reg_asym_sam4_rms vs run
χ² / ndf 3.02e+04 / 69
p0 289.5 ± 0.255
380
360
340
320
300
280
260
240

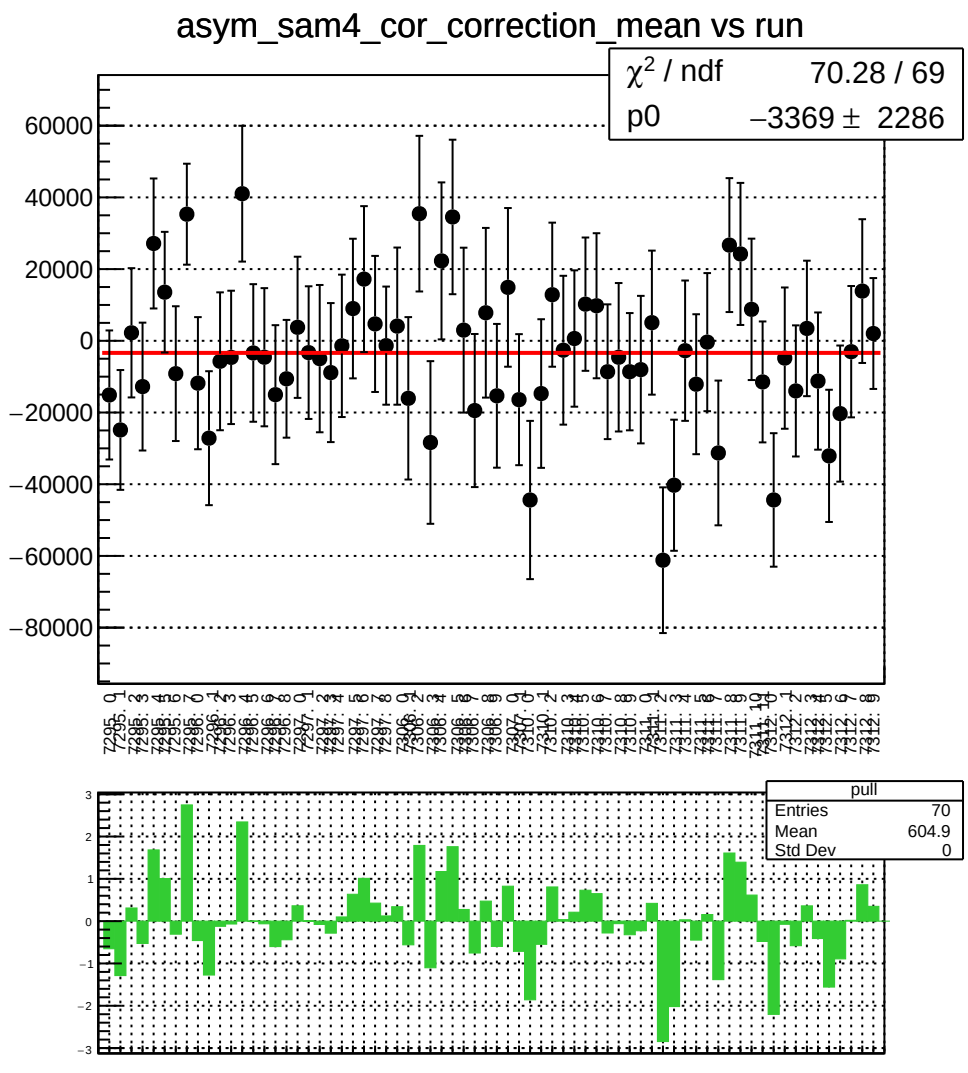

asym_sam4_reg_correction_mean vs run
χ² / ndf 70.28 / 69
p0 −3369 ± 2286
pull
Entries 70
Mean 605.2
Std Dev 0
pull1D
Entries 70
Mean −0.006235
Std Dev 1.002

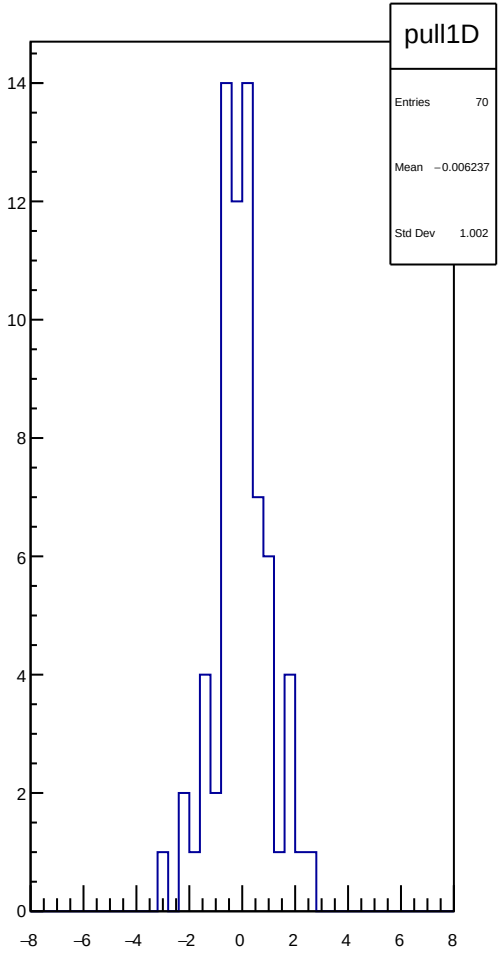

asym_sam4_reg_correction_rms vs run
χ² / ndf 6587 / 69
p0 1852 ± 1.617
2300
2200
2100
2000
1900
1800
1700
1600

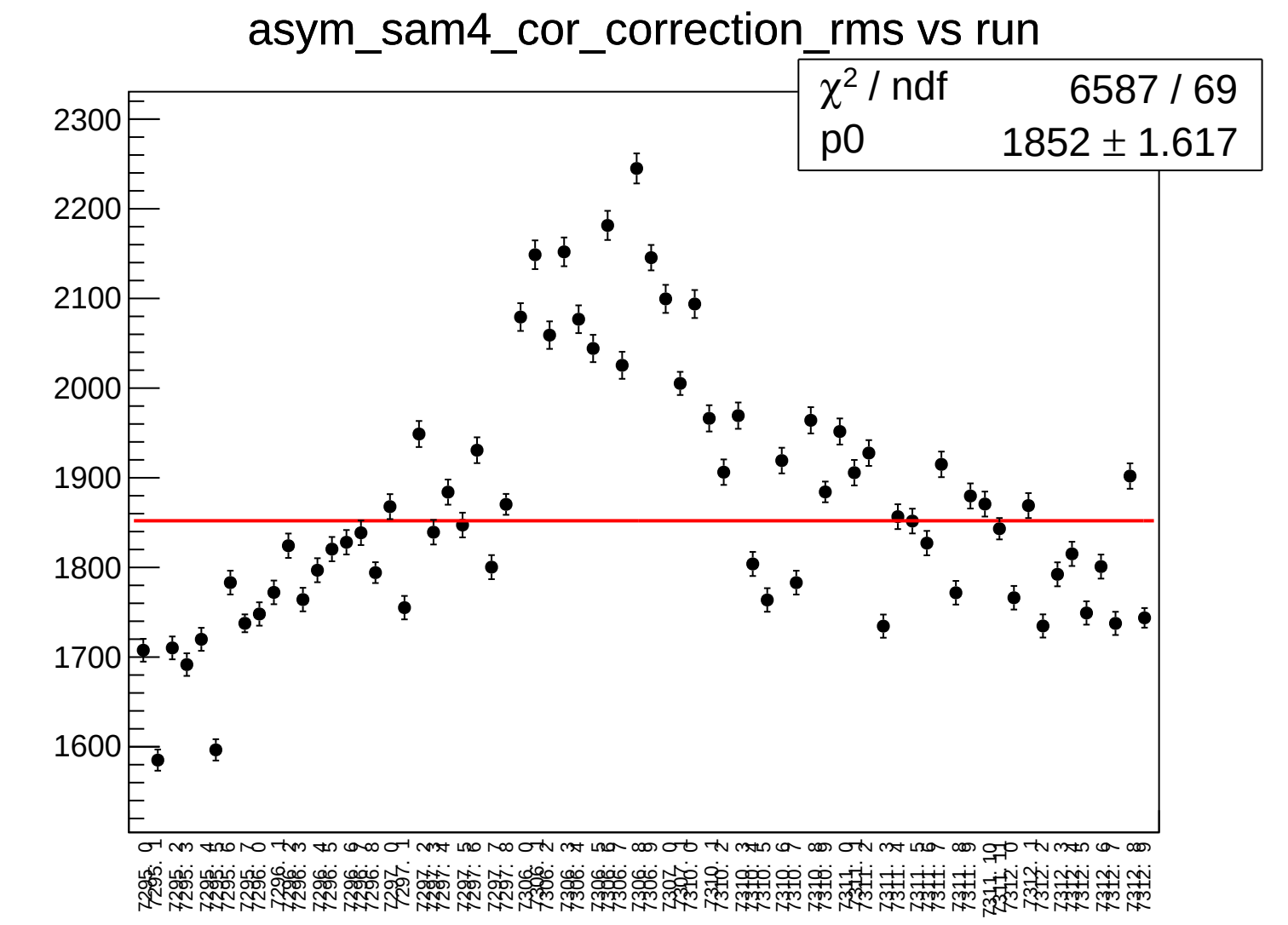

cor_asym_sam4_mean vs run
χ² / ndf 68.21 / 69
p0 −324.7 ± 360.6
pull
Entries 70
Mean 72.38
Std Dev 0

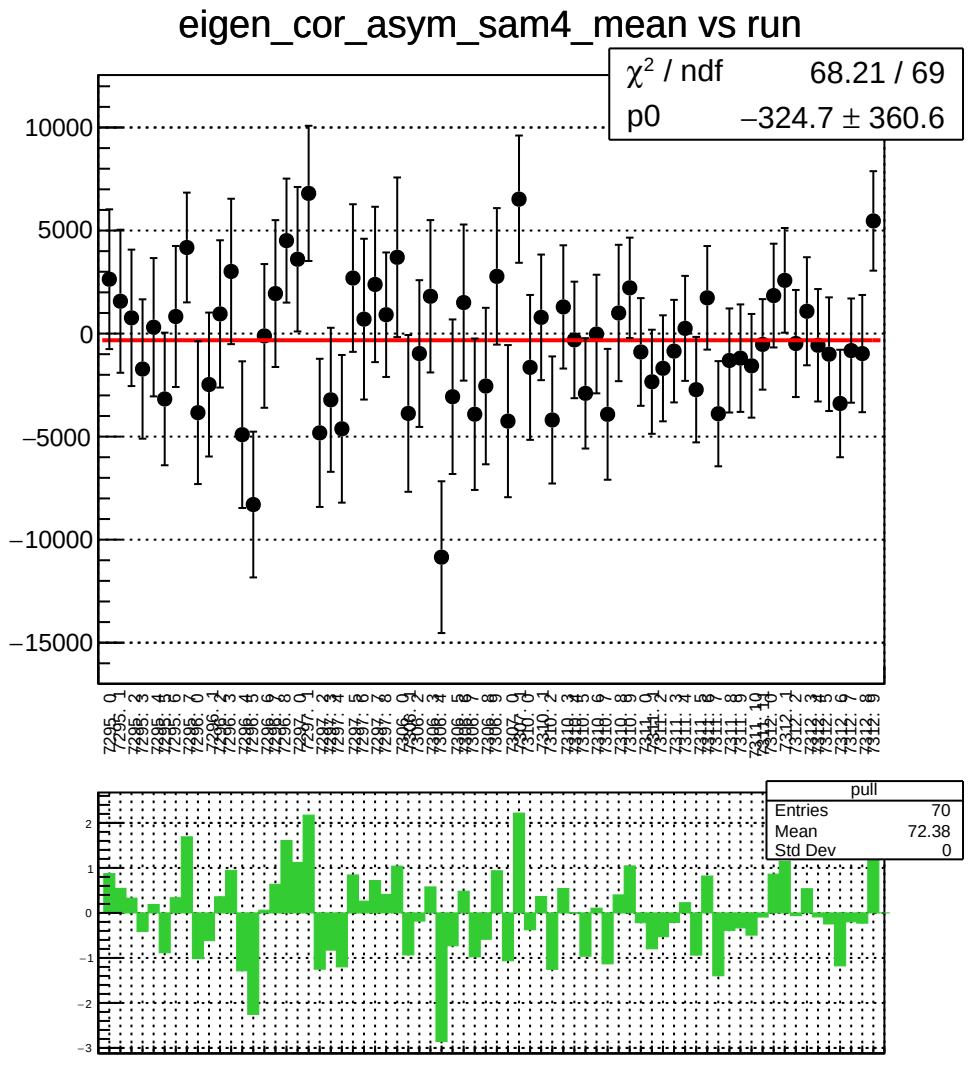

pull1D
Entries 70
Mean −0.01963
Std Dev 0.9869

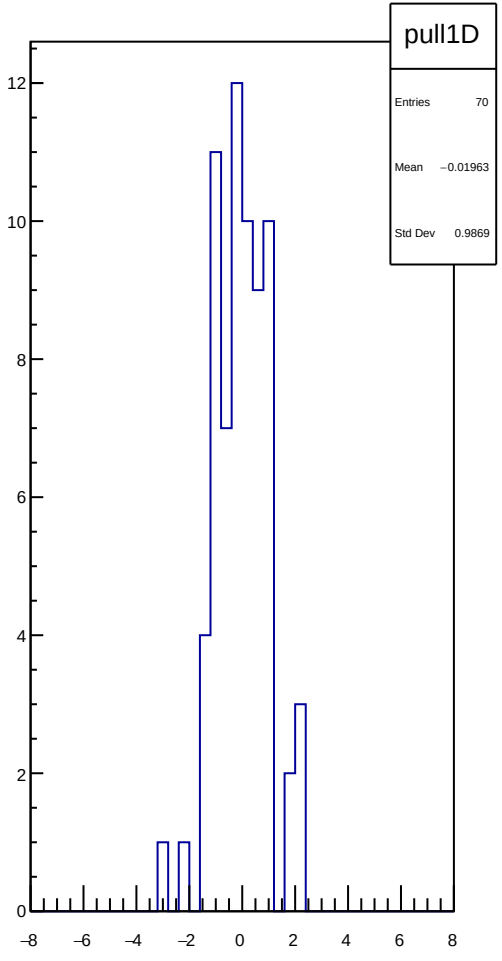

cor_asym_sam4_rms vs run
χ² / ndf 3.02e+04 / 69
p0 289.5 ± 0.255
380
360
340
320
300
280
260
240

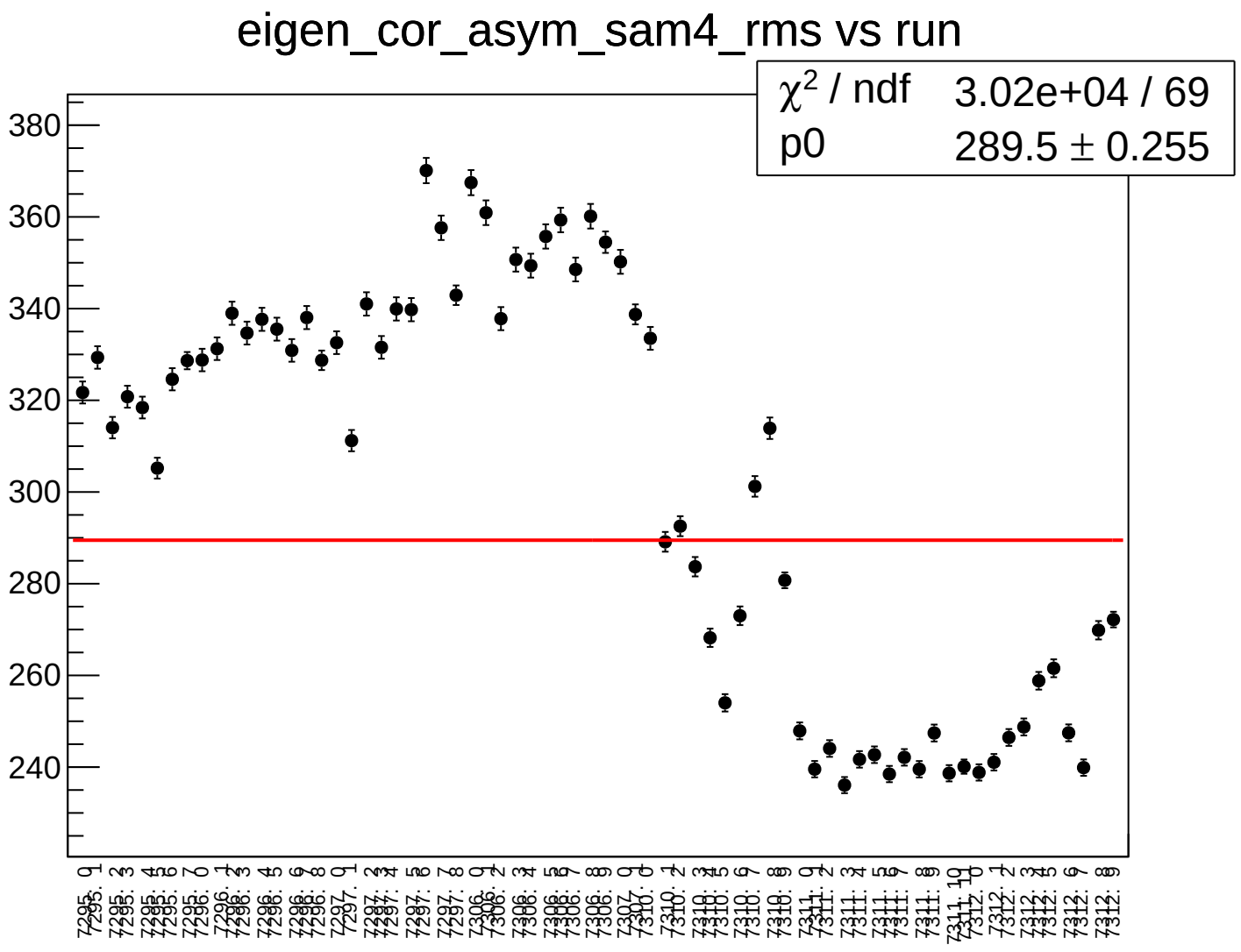

asym_sam4_cor_correction_mean vs run
χ² / ndf 70.28 / 69
p0 −3369 ± 2286
pull
Entries 70
Mean 604.9
Std Dev 0

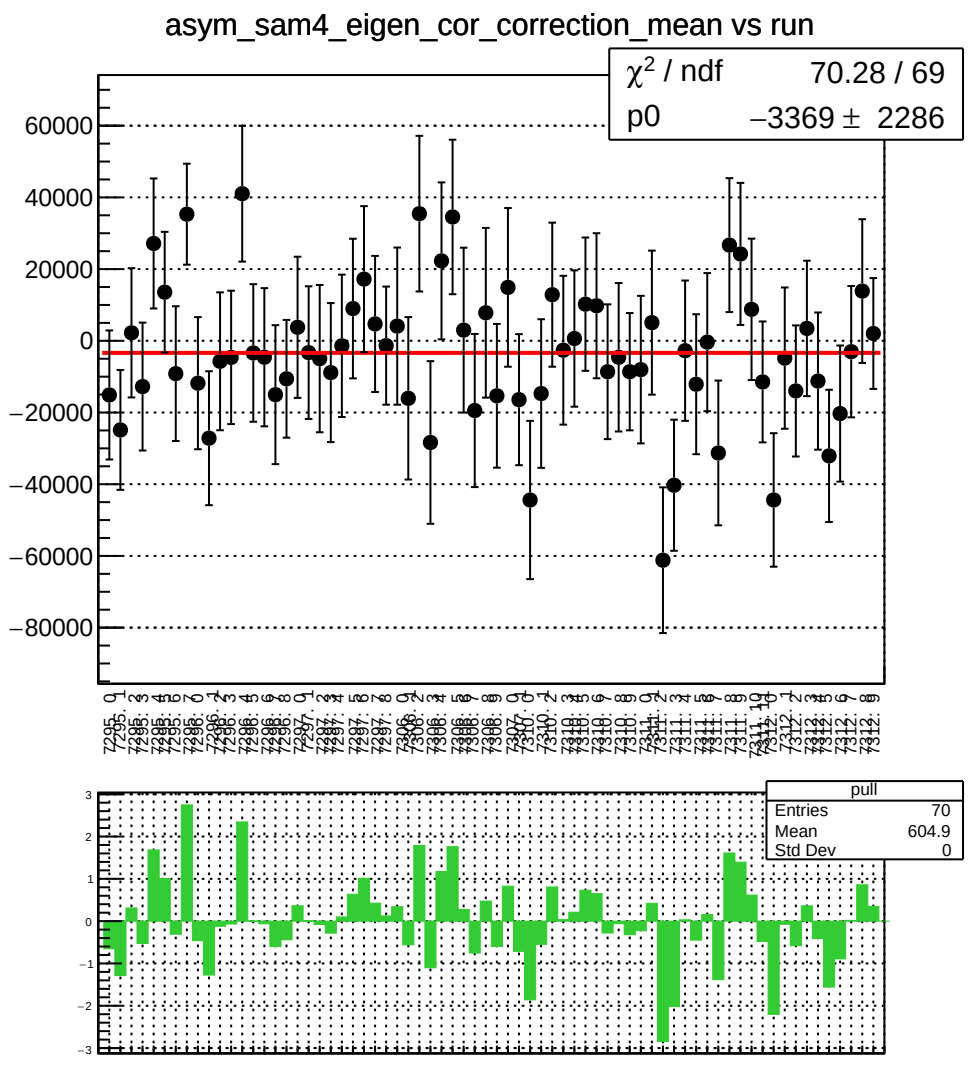

pull1D
Entries 70
Mean −0.006237
Std Dev 1.002

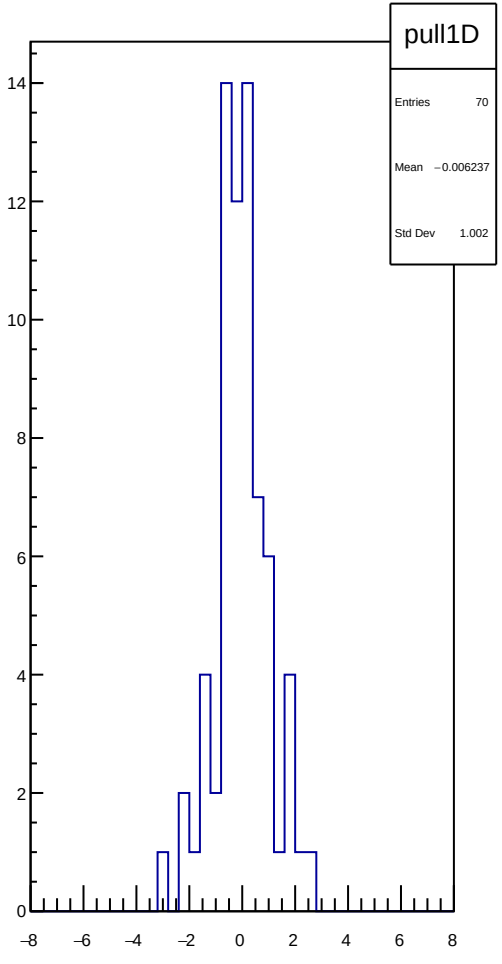

asym_sam4_cor_correction_rms vs run
χ² / ndf 6587 / 69
p0 1852 ± 1.617
2300
2200
2100
2000
1900
1800
1700
1600

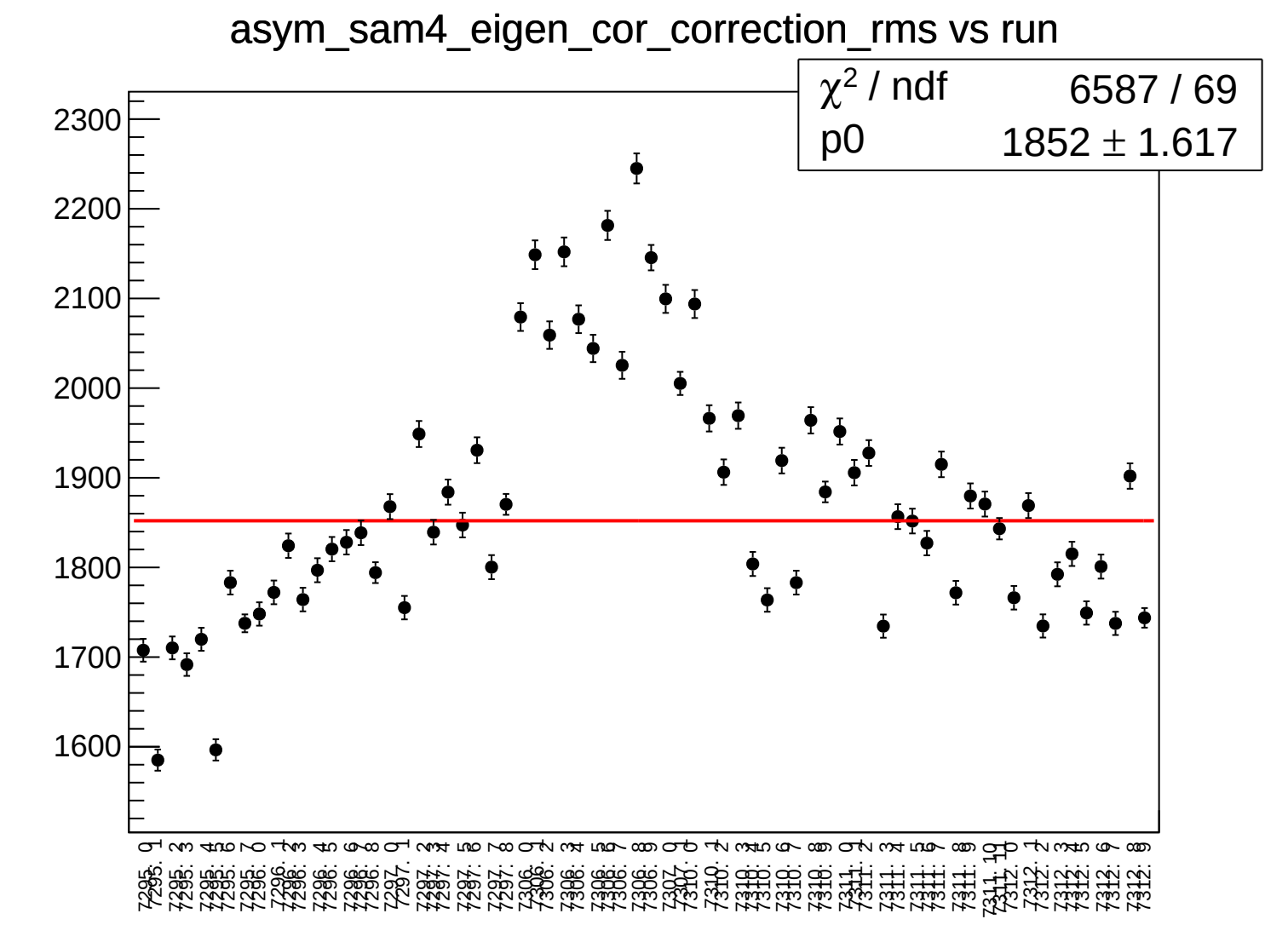

eigen_cor_asym_sam4_mean vs run
χ² / ndf 68.21 / 69
p0 −324.7 ± 360.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 72.38
Std Dev 0
2
1
0
−1
−2
−3

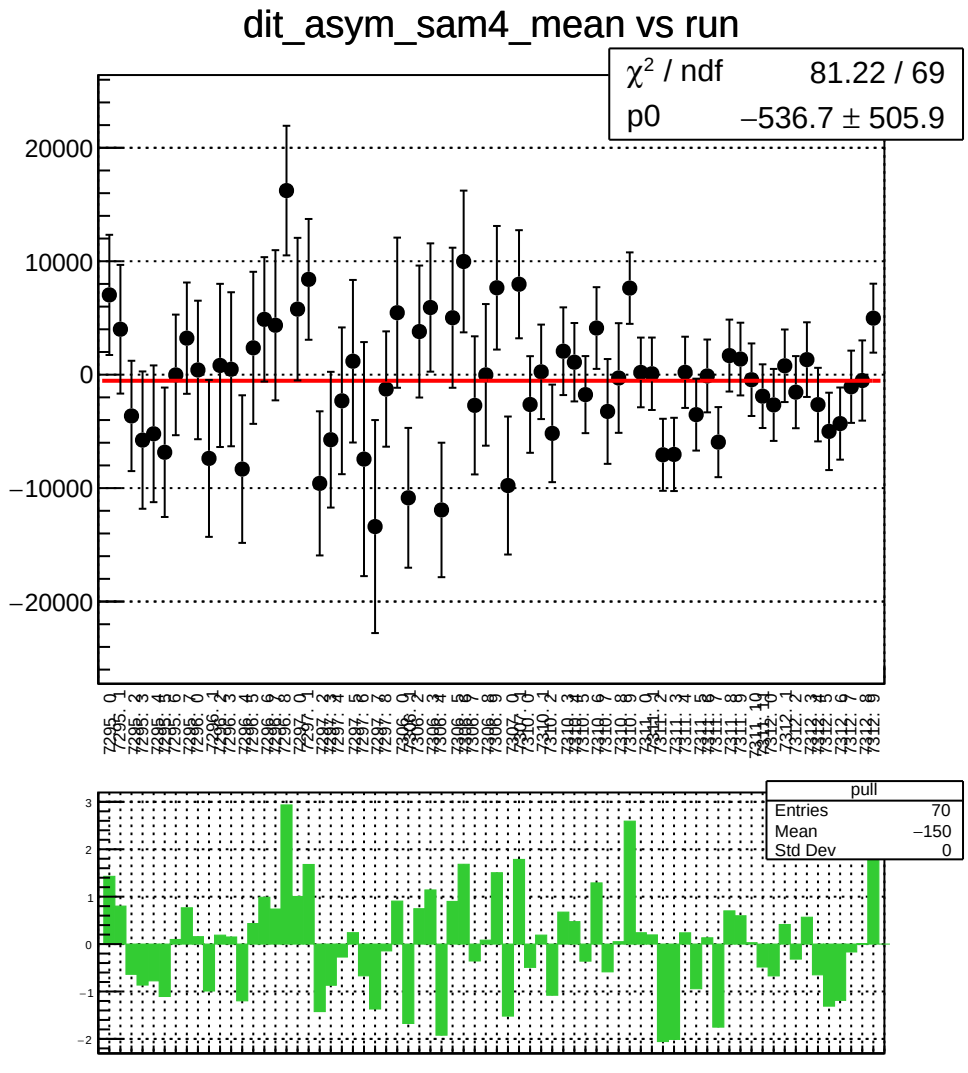

pull1D
Entries 70
Mean −0.01963
Std Dev 0.9869
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

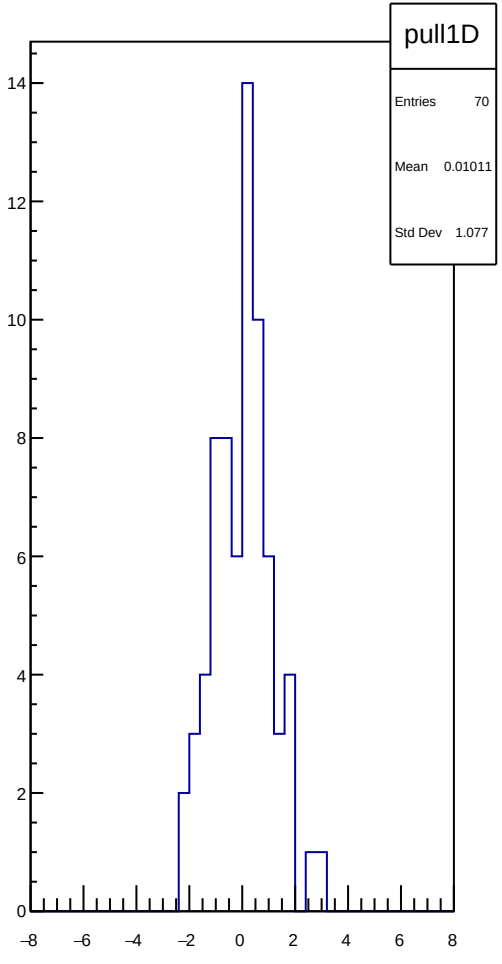

eigen_cor_asym_sam4_rms vs run
χ² / ndf 3.02e+04 / 69
p0 289.5 ± 0.255
380
360
340
320
300
280
260
240

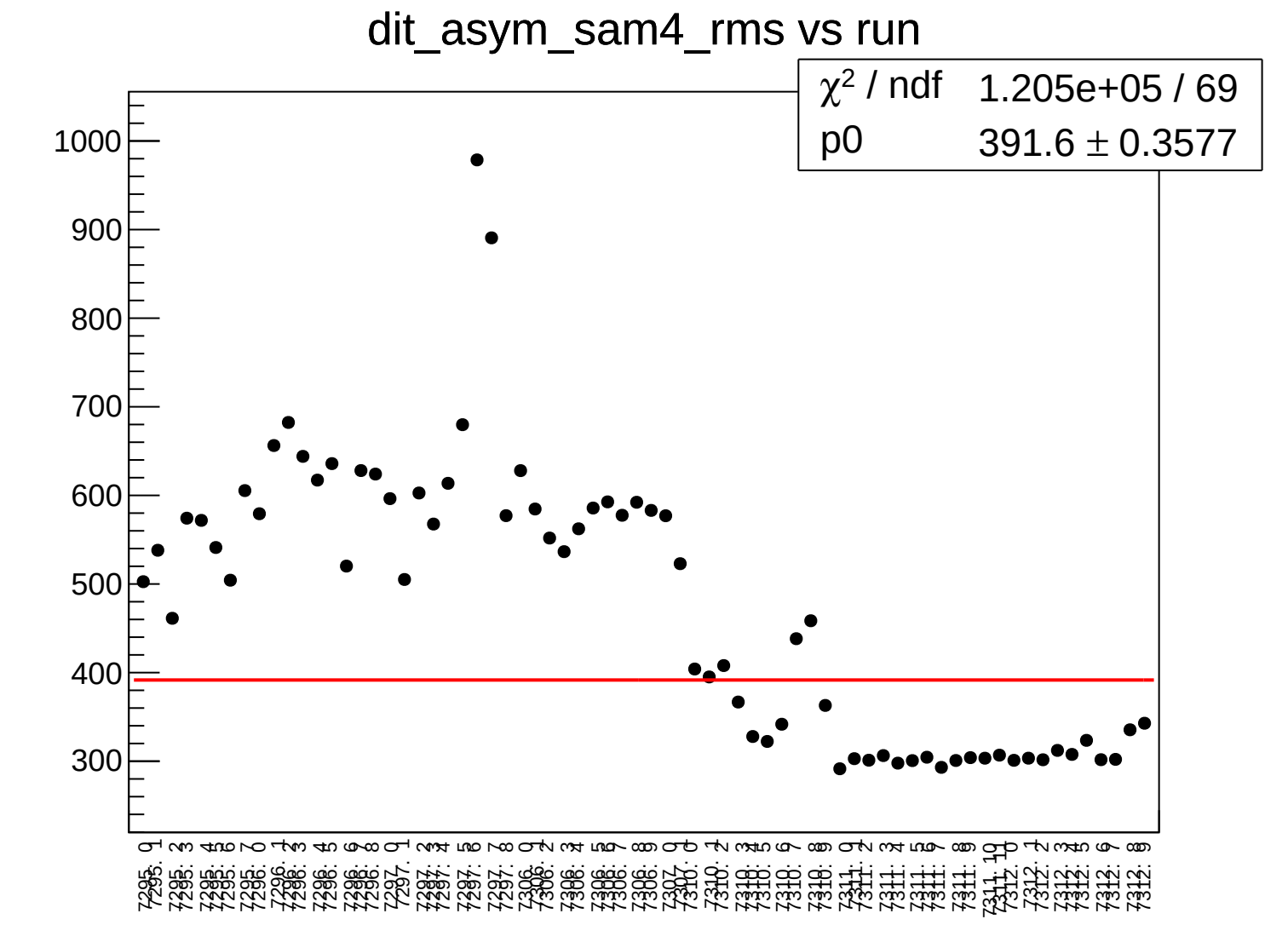

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 70.28 / 69
p0 −3369 ± 2286
pull
Entries 70
Mean 604.9
Std Dev 0

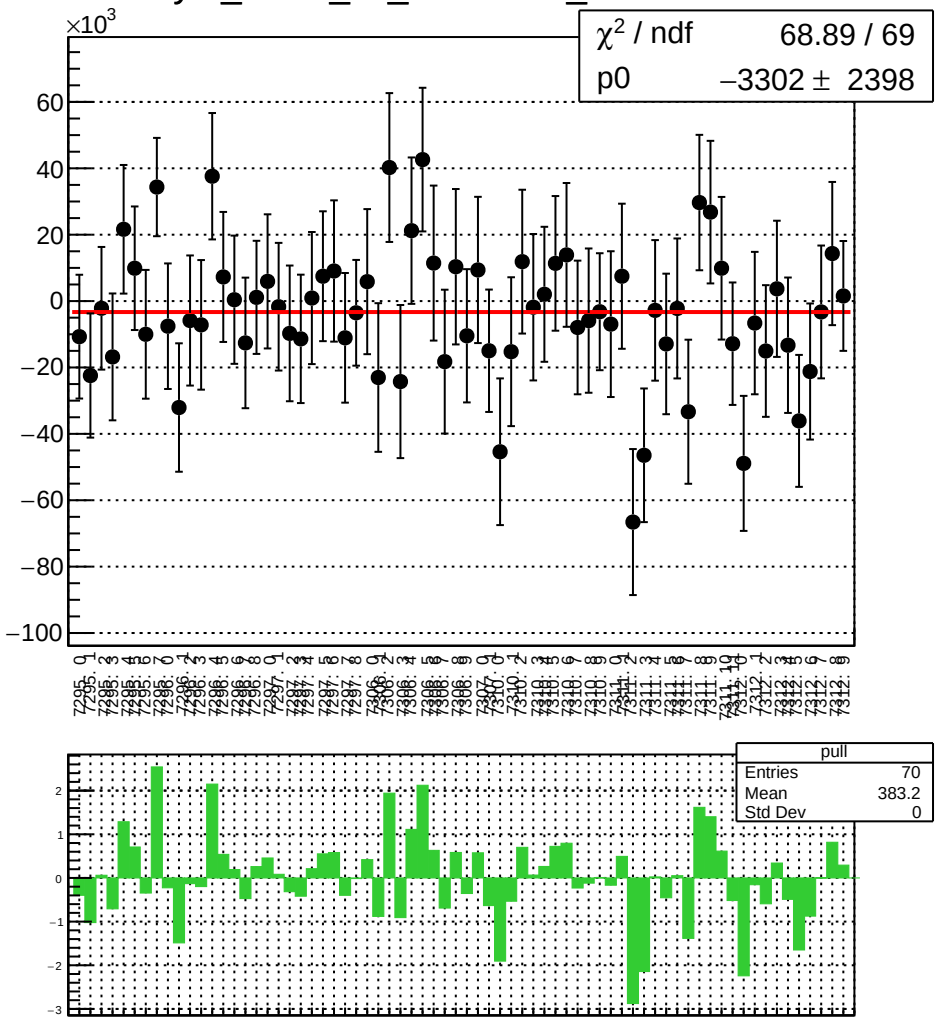

pull1D
Entries 70
Mean −0.006237
Std Dev 1.002

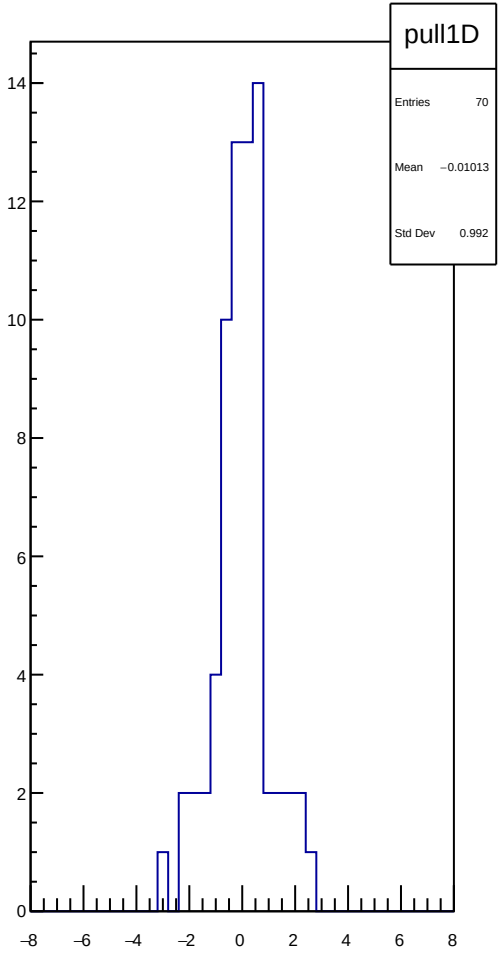

asym_sam4_eigen_cor_correction_rms vs run
χ^2 / ndf 6587 / 69
p0 1852 ± 1.617
2300
2200
2100
2000
1900
1800
1700
1600

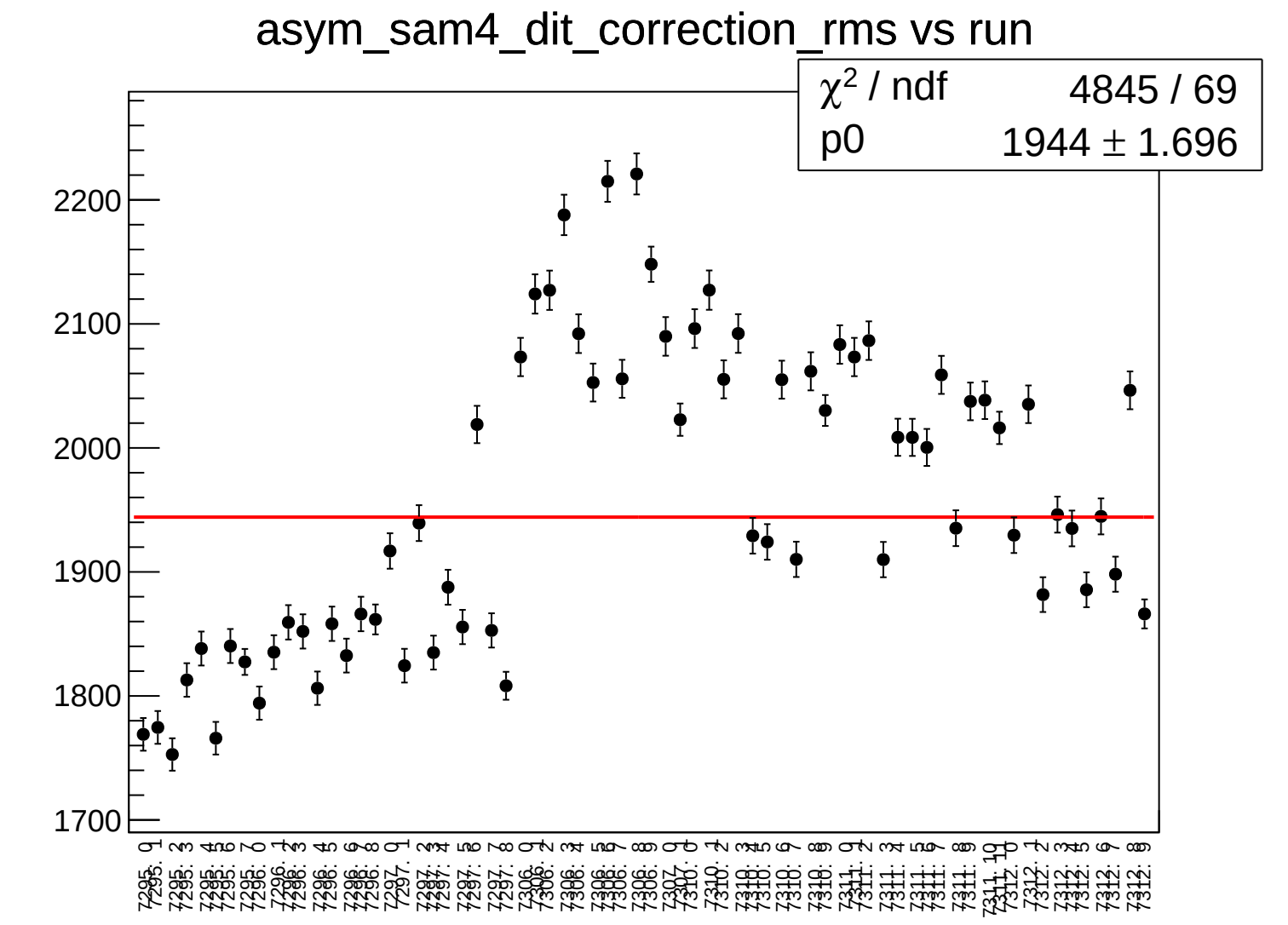

dit_asym_sam4_mean vs run
χ² / ndf 81.22 / 69
p0 −536.7 ± 505.9
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −150
Std Dev 0
3
2
1
0
−1
−2

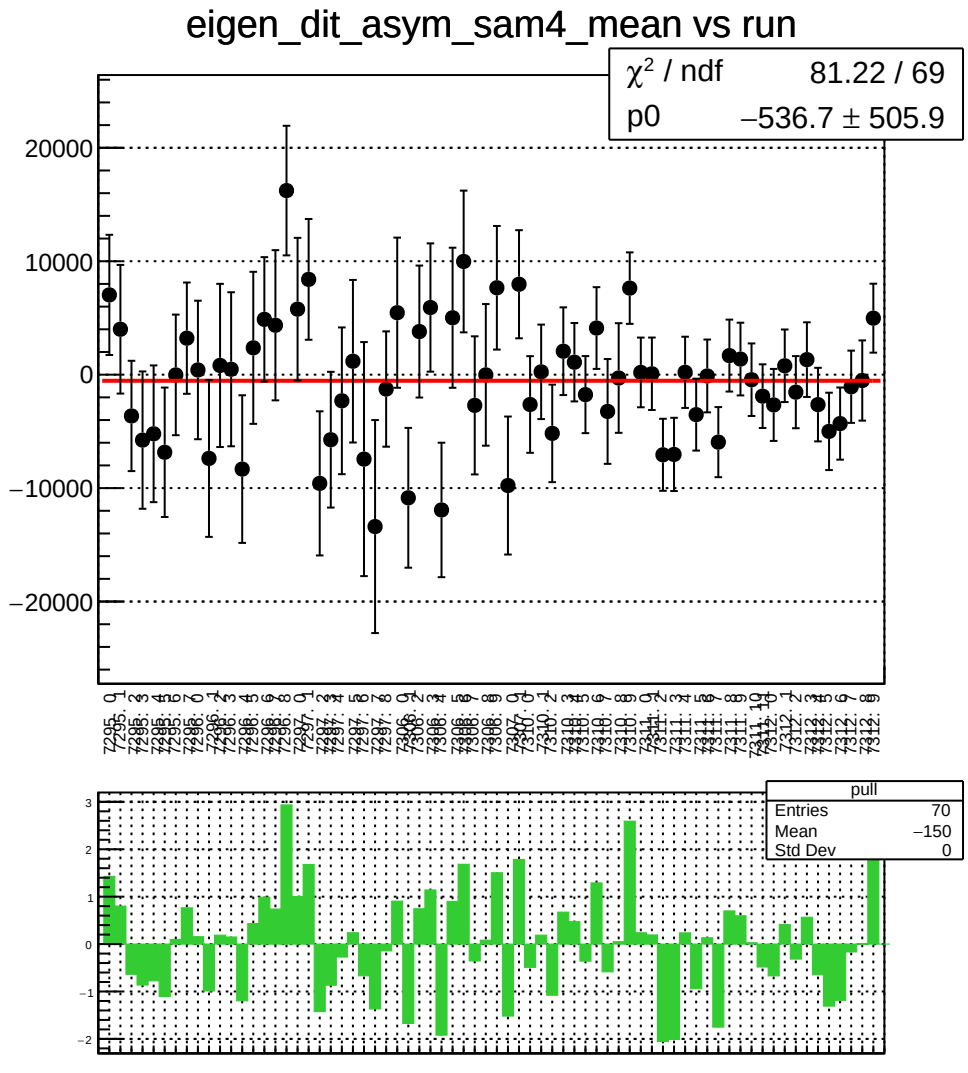

pull1D
Entries 70
Mean 0.01011
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

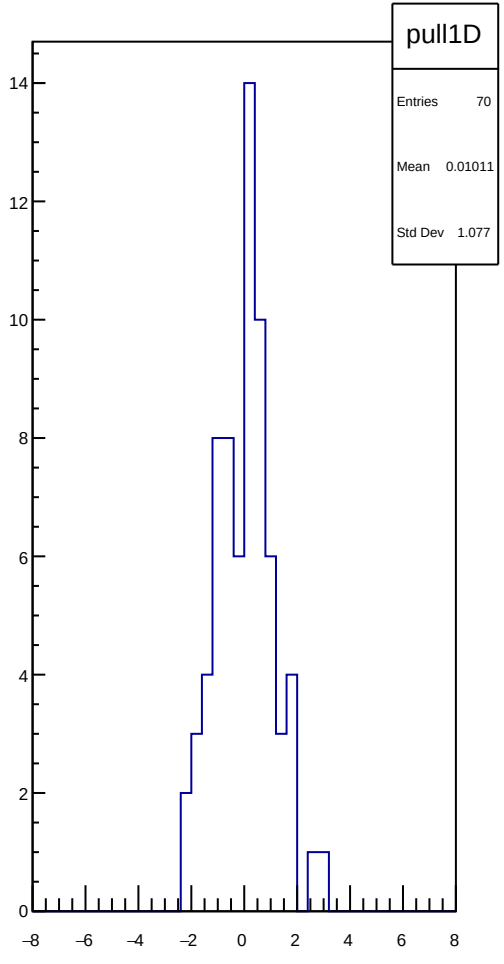

dit_asym_sam4_rms vs run
χ^2 / ndf 1.205e+05 / 69
p0 391.6 ± 0.3577
1000
900
800
700
600
500
400
300

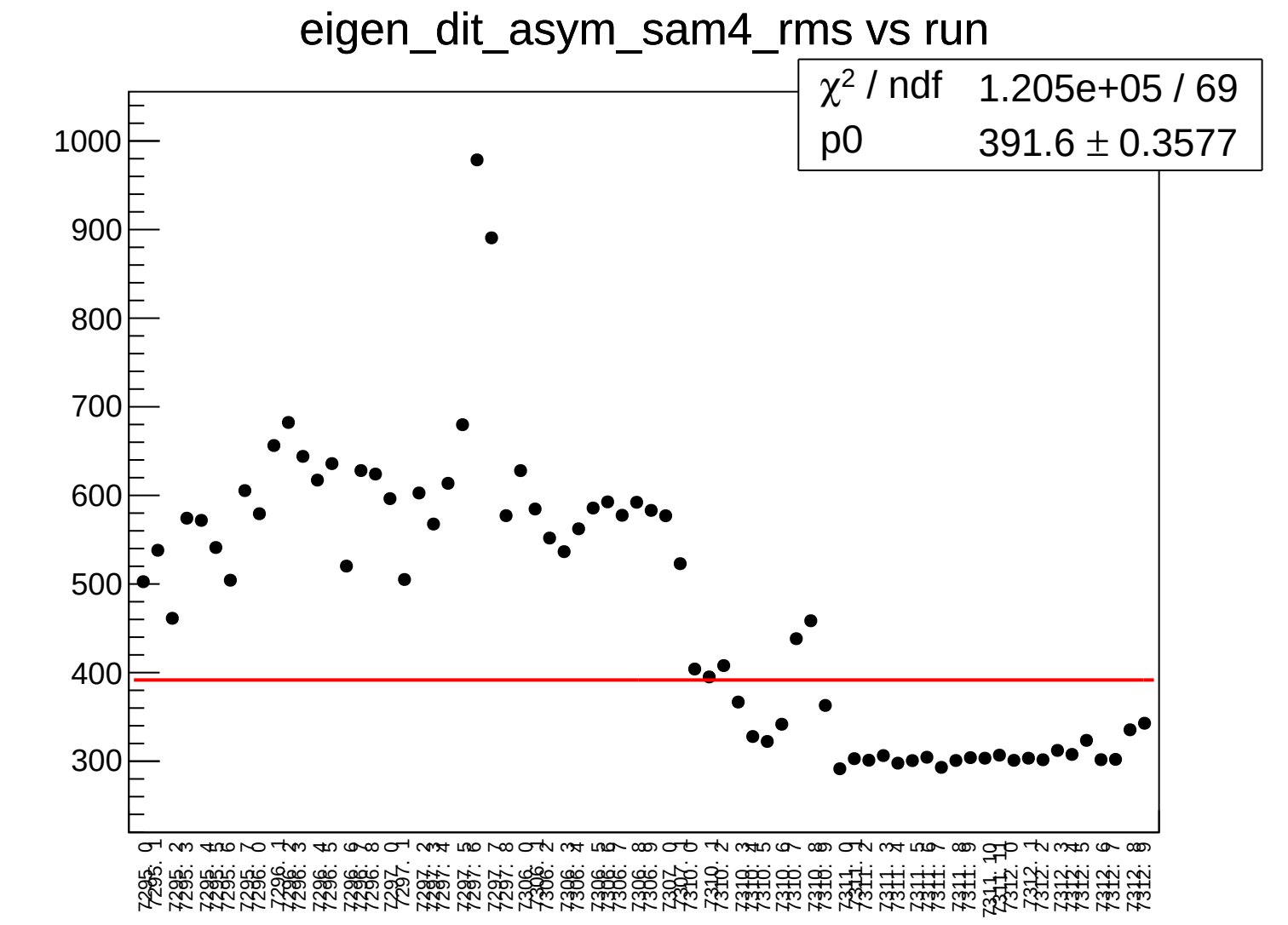

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 68.89 / 69
p0 −3302 ± 2398
pull
Entries 70
Mean 383.2
Std Dev 0

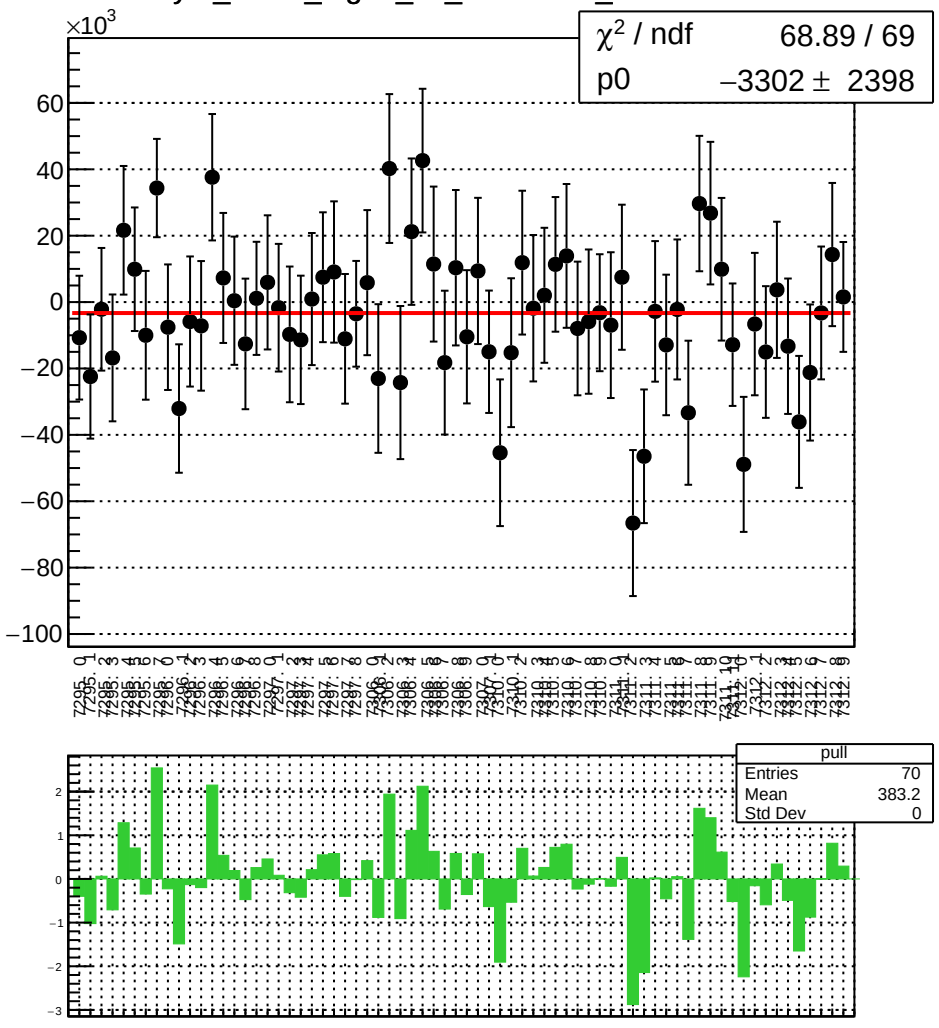

pull1D
Entries 70
Mean −0.01013
Std Dev 0.992

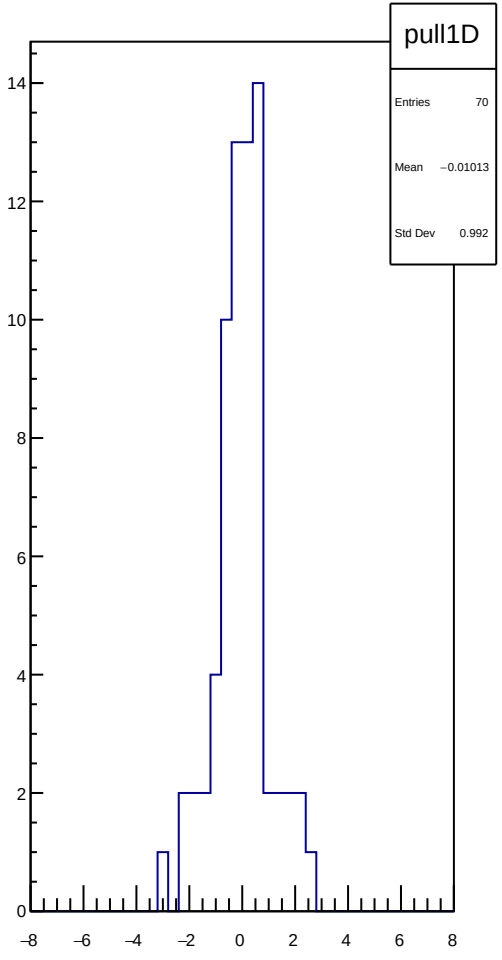

asym_sam4_dit_correction_rms vs run
χ² / ndf 4845 / 69
p0 1944 ± 1.696
2200
2100
2000
1900
1800
1700

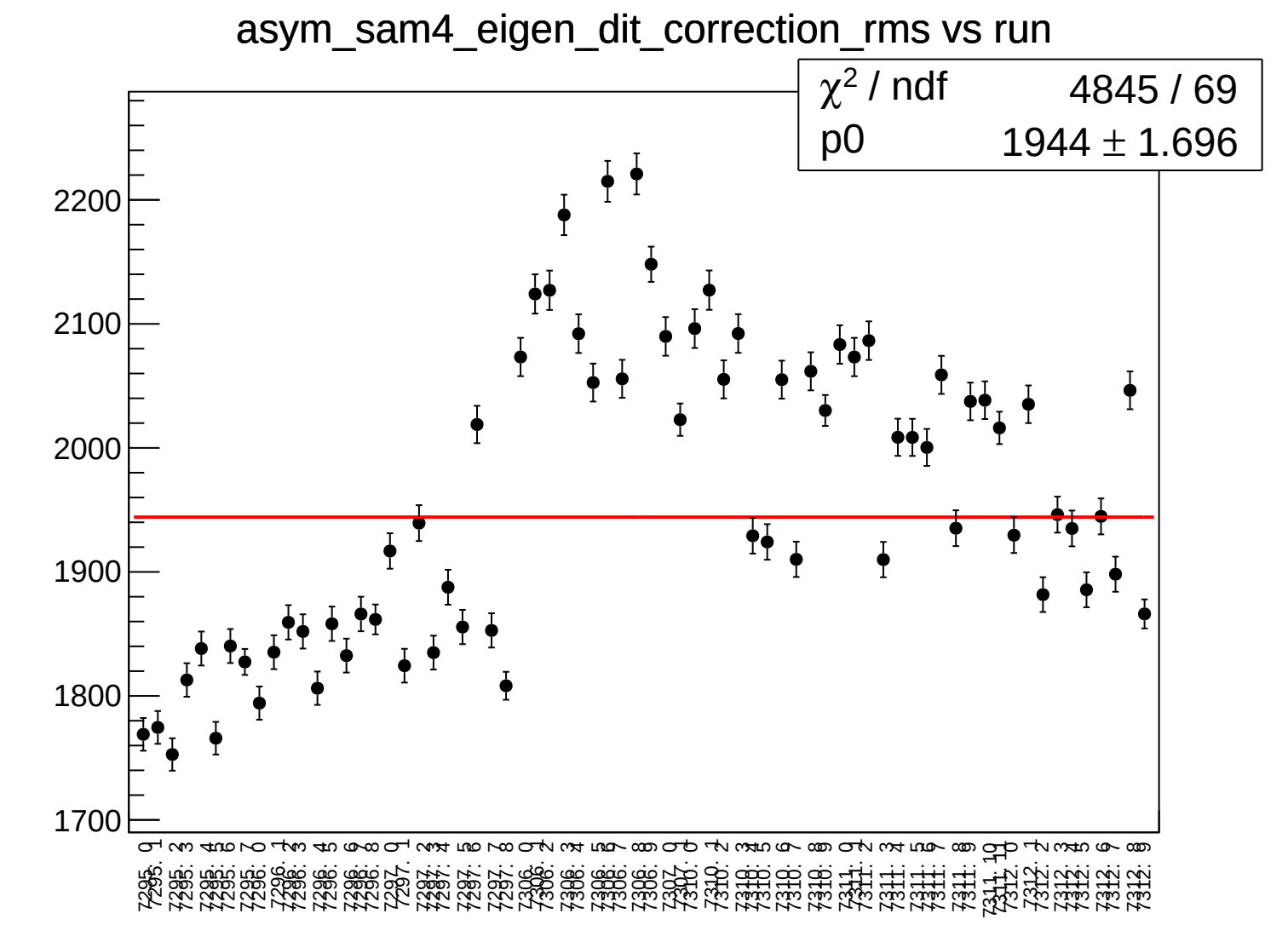

eigen_dit_asym_sam4_mean vs run
χ² / ndf 81.22 / 69
p0 −536.7 ± 505.9
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −150
Std Dev 0
3
2
1
0
−1
−2

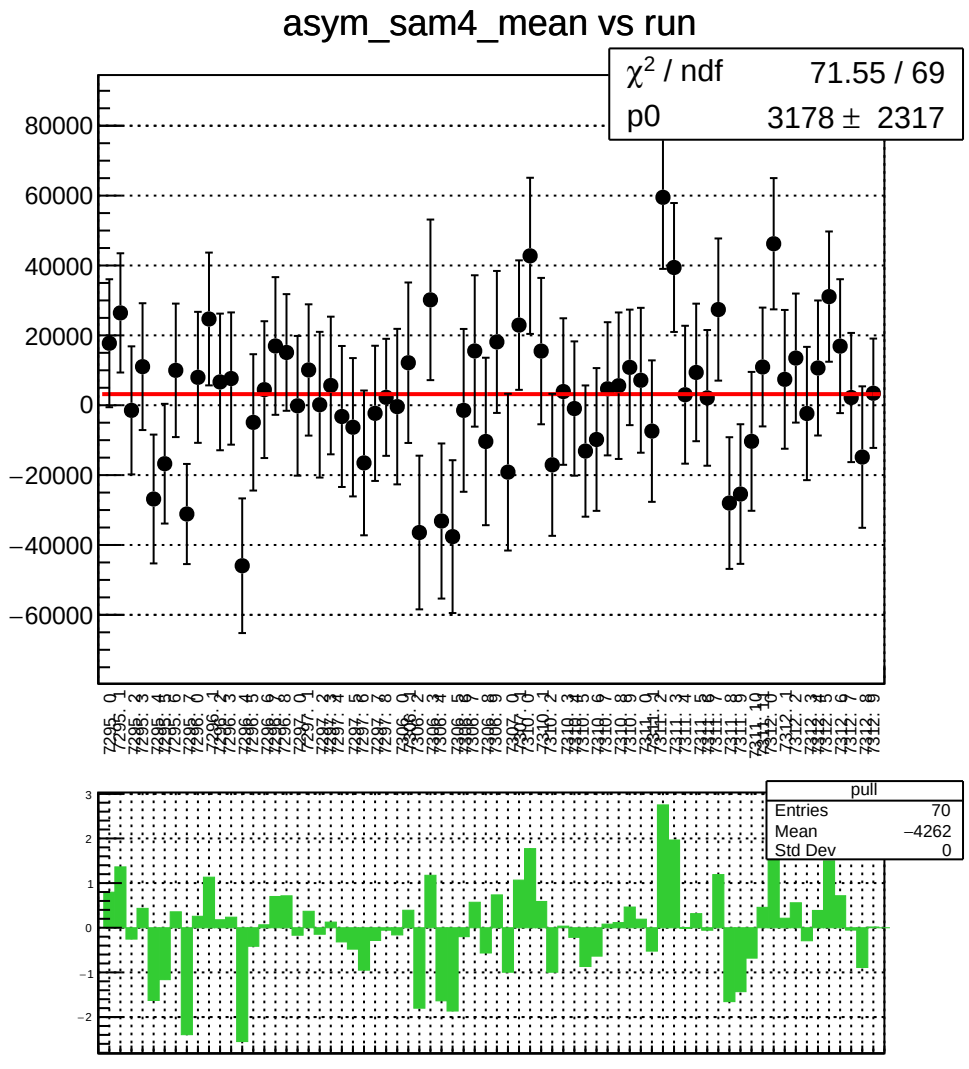

pull1D
Entries 70
Mean 0.01011
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

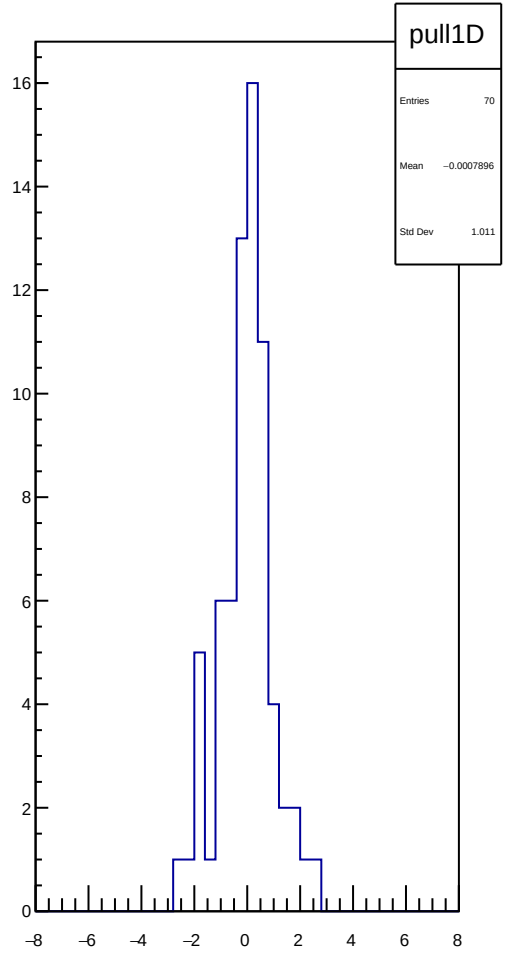

eigen_dit_asym_sam4_rms vs run
χ^2 / ndf 1.205e+05 / 69
p0 391.6 ± 0.3577
1000
900
800
700
600
500
400
300

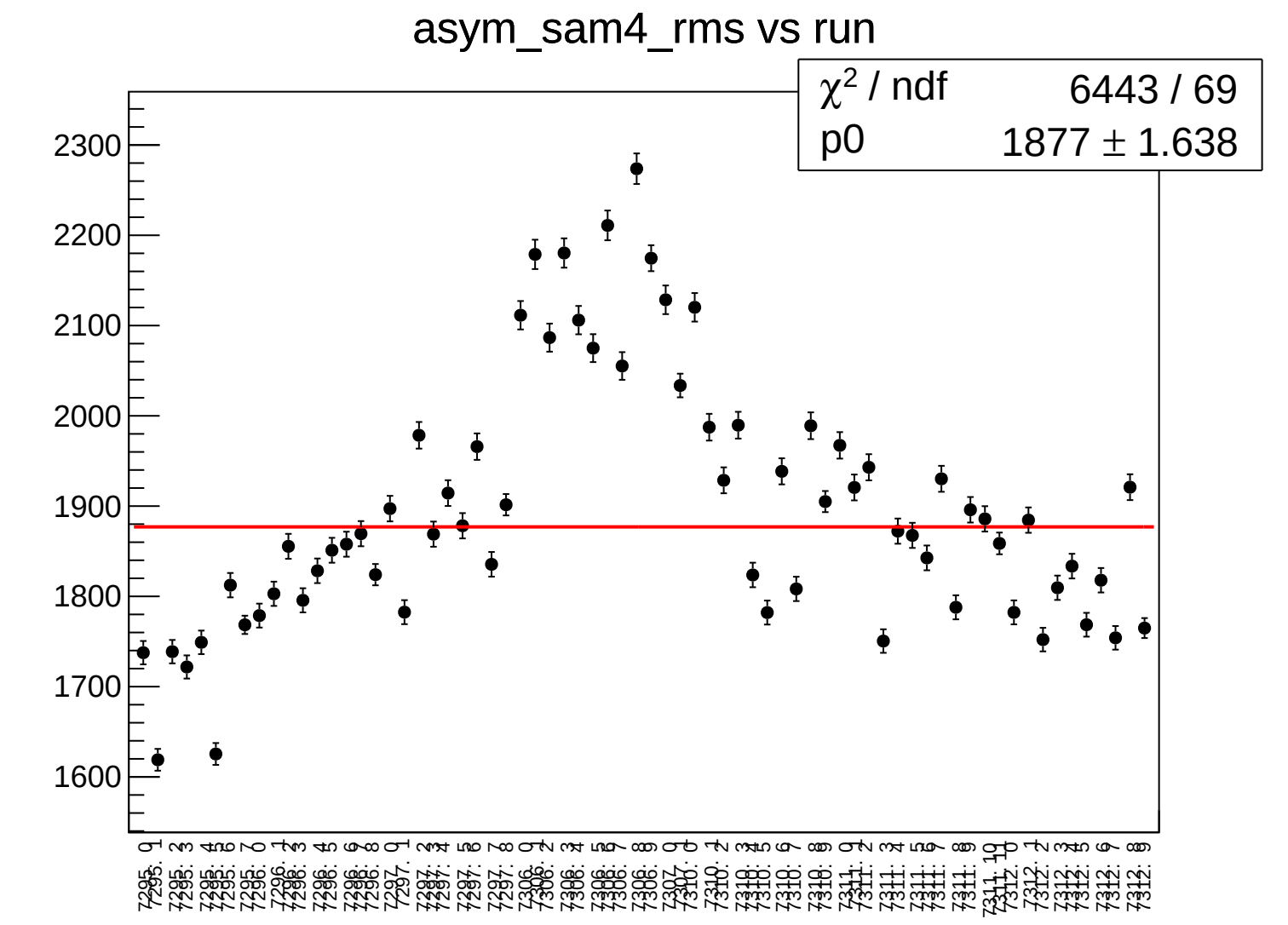

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.89 / 69
p0 −3302 ± 2398
pull
Entries 70
Mean 383.2
Std Dev 0

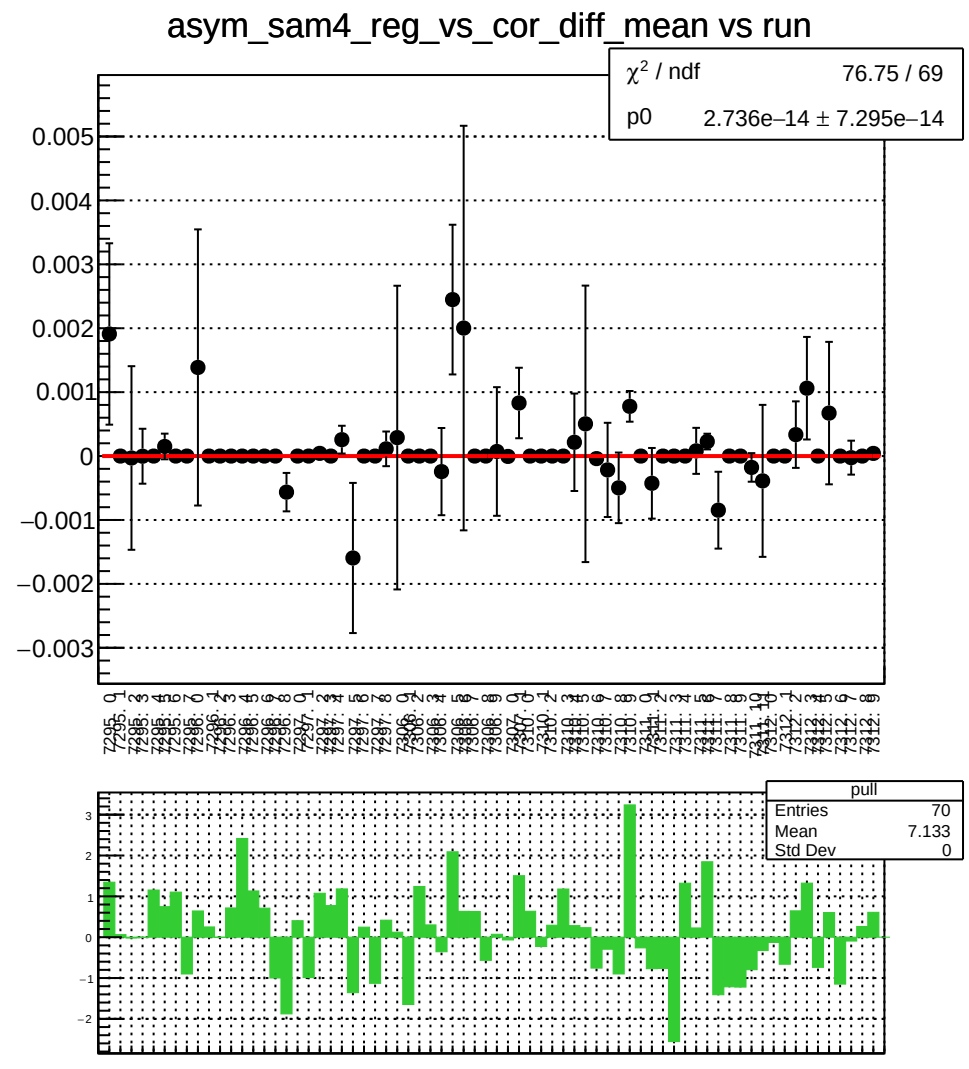

pull1D
Entries 70
Mean −0.01013
Std Dev 0.992

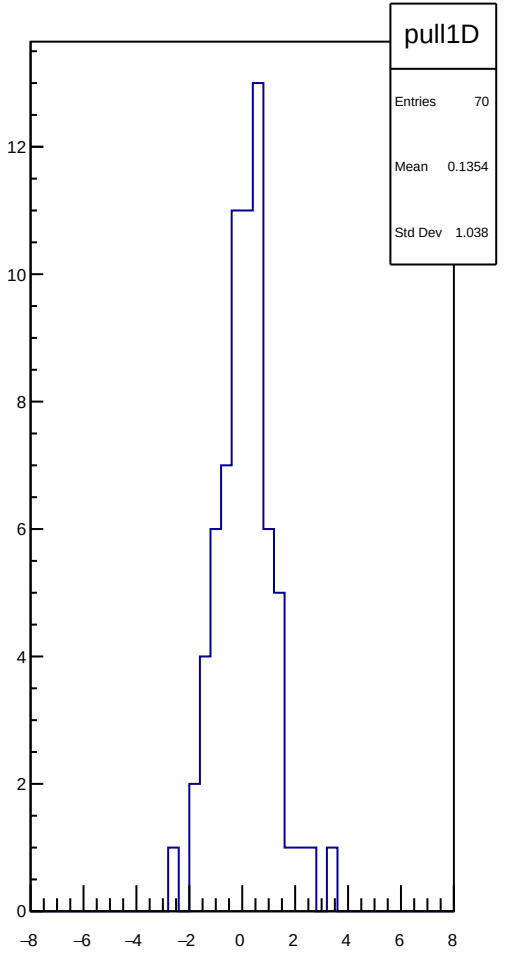

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 4845 / 69
p0 1944 ± 1.696
2200
2100
2000
1900
1800
1700

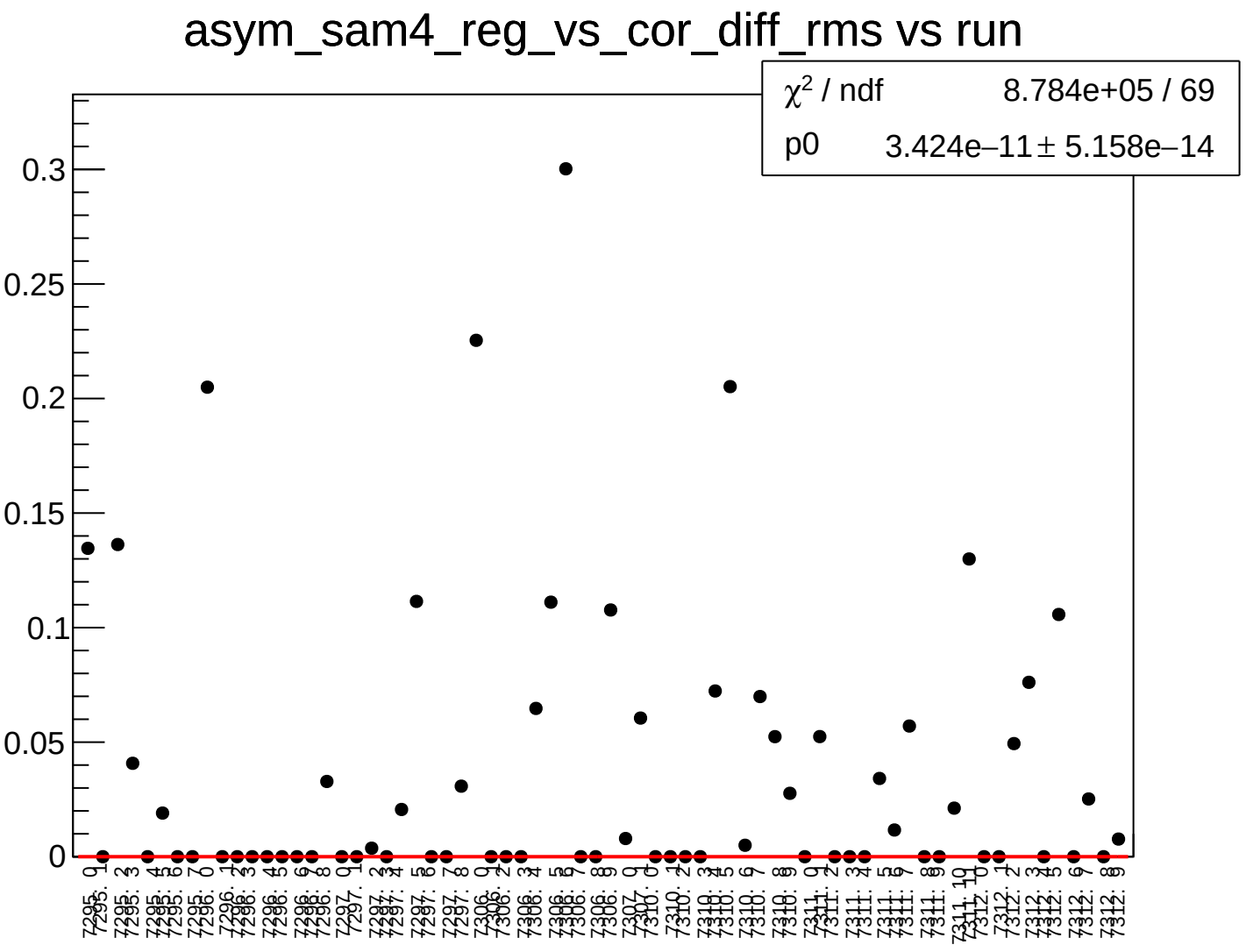

asym_sam4_mean vs run
χ² / ndf 71.55 / 69
p0 3178 ± 2317
pull
Entries 70
Mean −4262
Std Dev 0

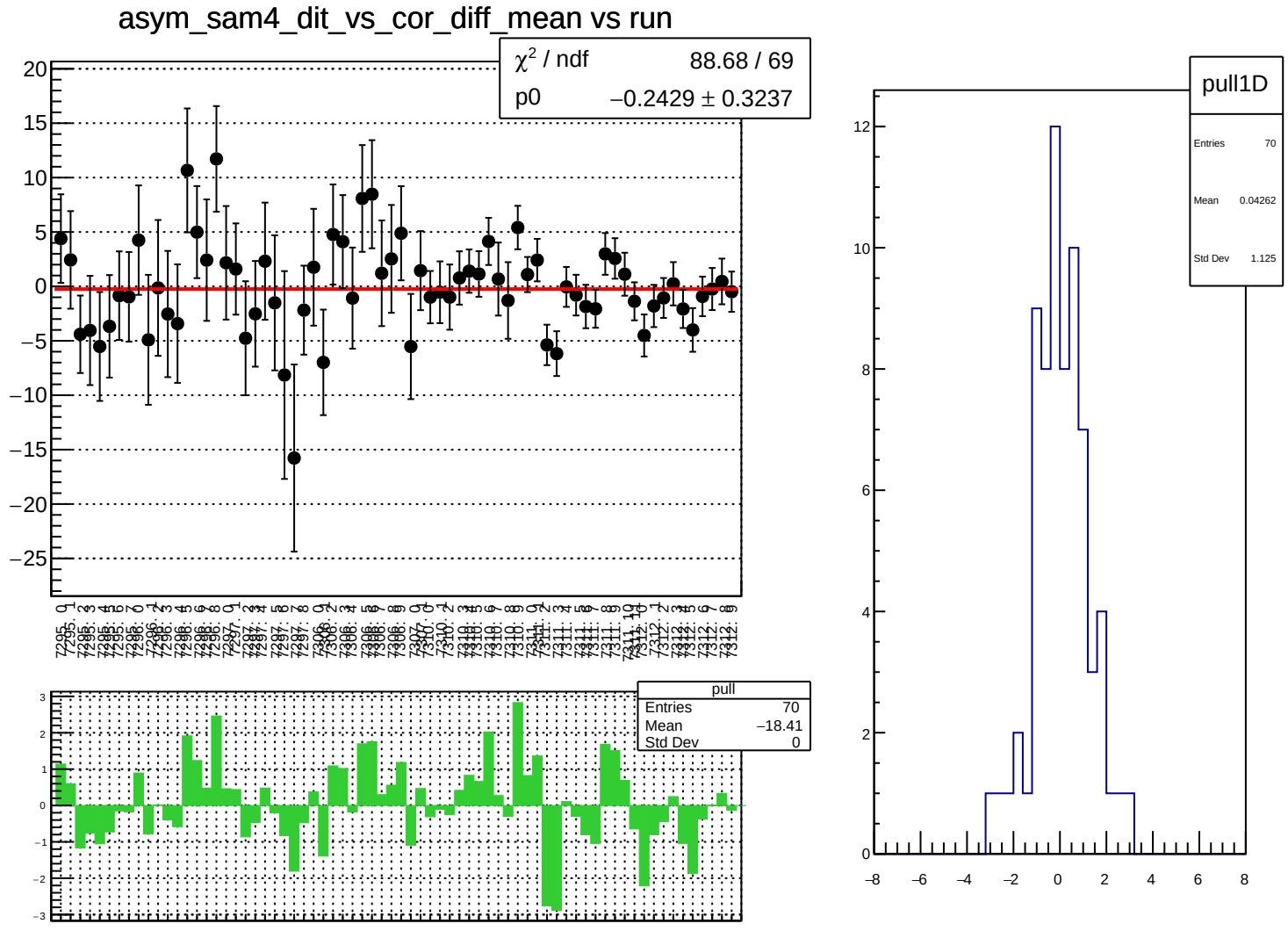

pull1D
Entries 70
Mean −0.0007896
Std Dev 1.011

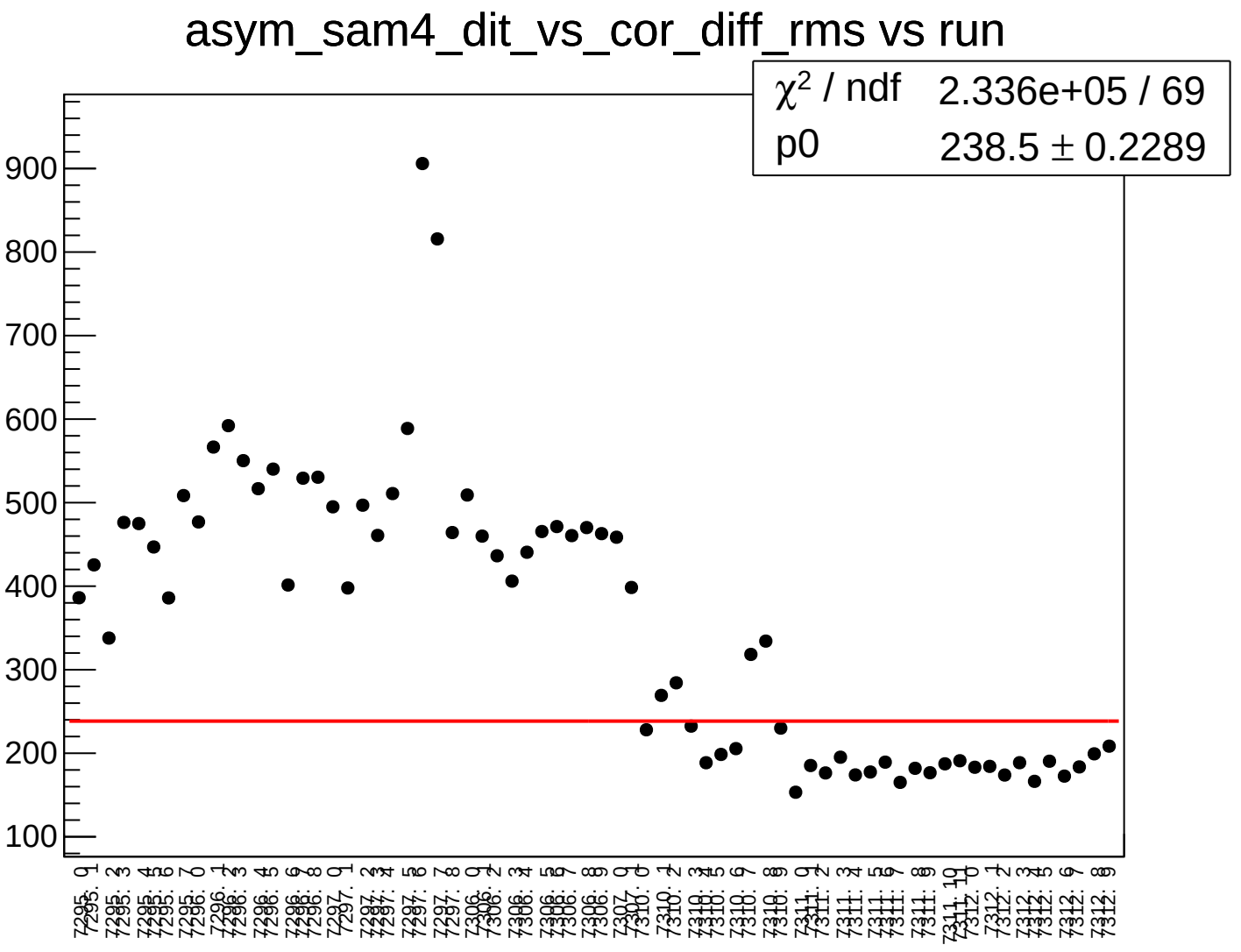

asym_sam4_rms vs run
χ² / ndf 6443 / 69
p0 1877 ± 1.638
2300
2200
2100
2000
1900
1800
1700
1600

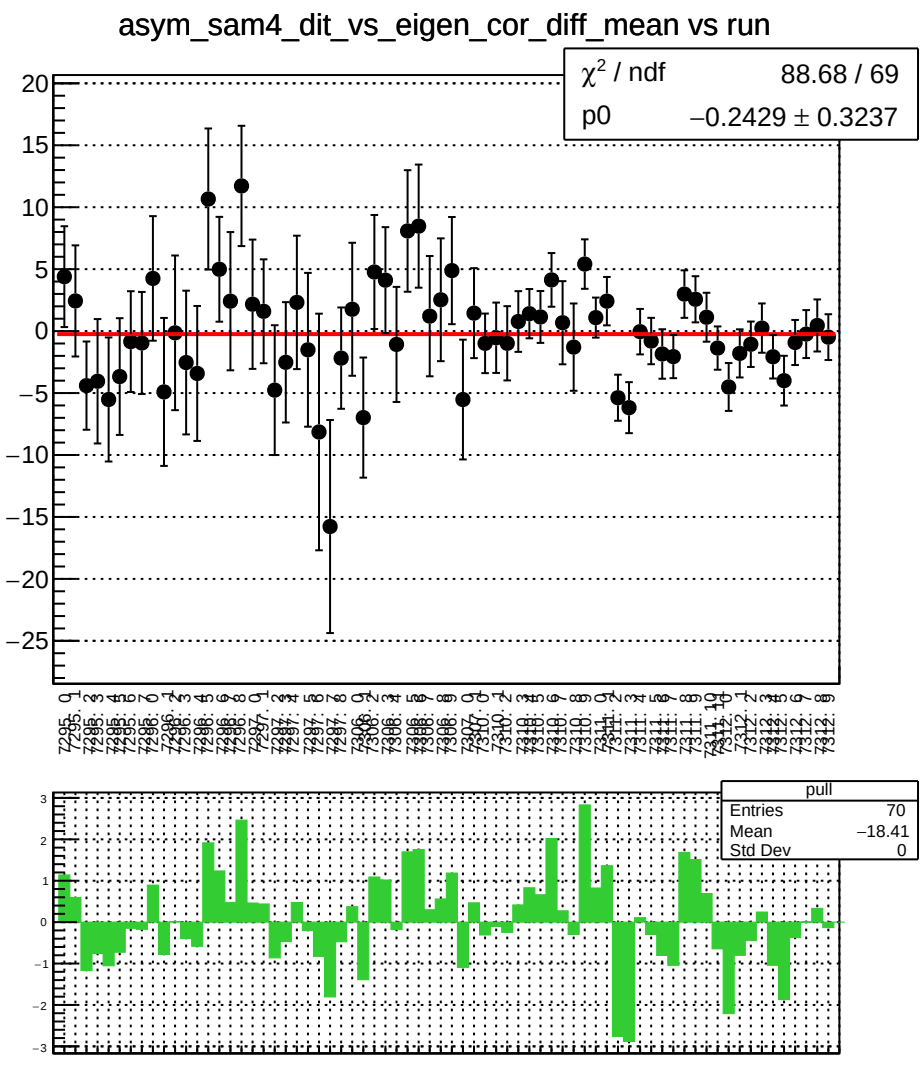

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 76.75 / 69
p0 2.736e−14 ± 7.295e−14
pull
Entries 70
Mean 7.133
Std Dev 0

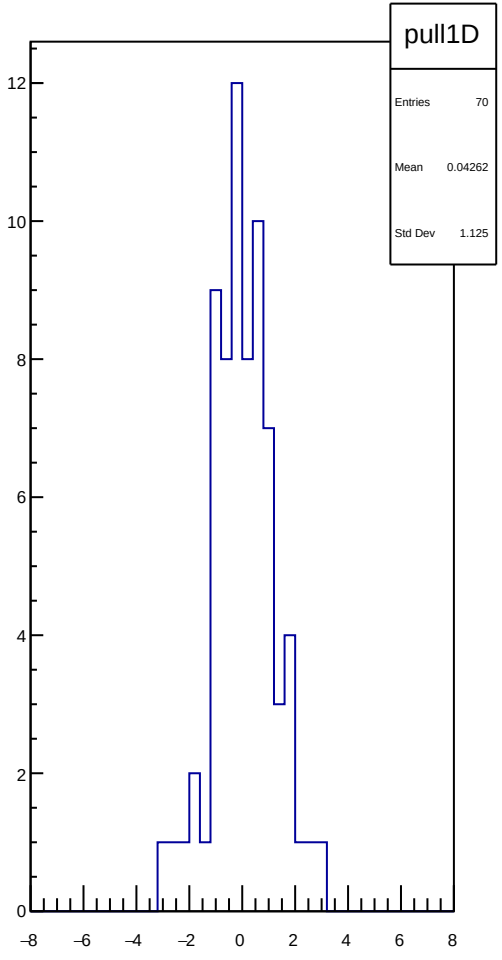

pull1D
Entries 70
Mean 0.1354
Std Dev 1.038

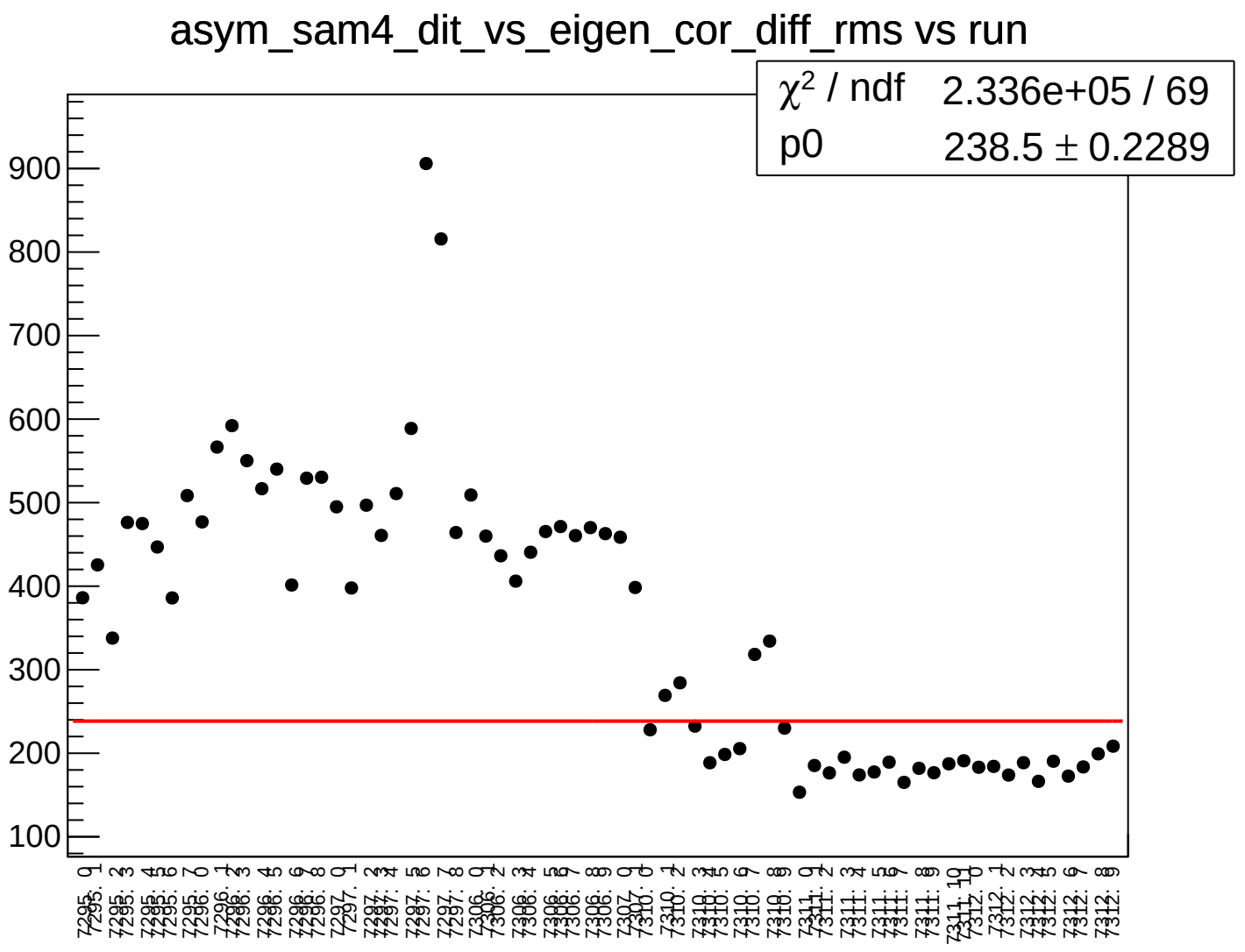

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 8.784e+05 / 69
p0 3.424e−11 ± 5.158e−14
0.3
0.25
0.2
0.15
0.1
0.05
0

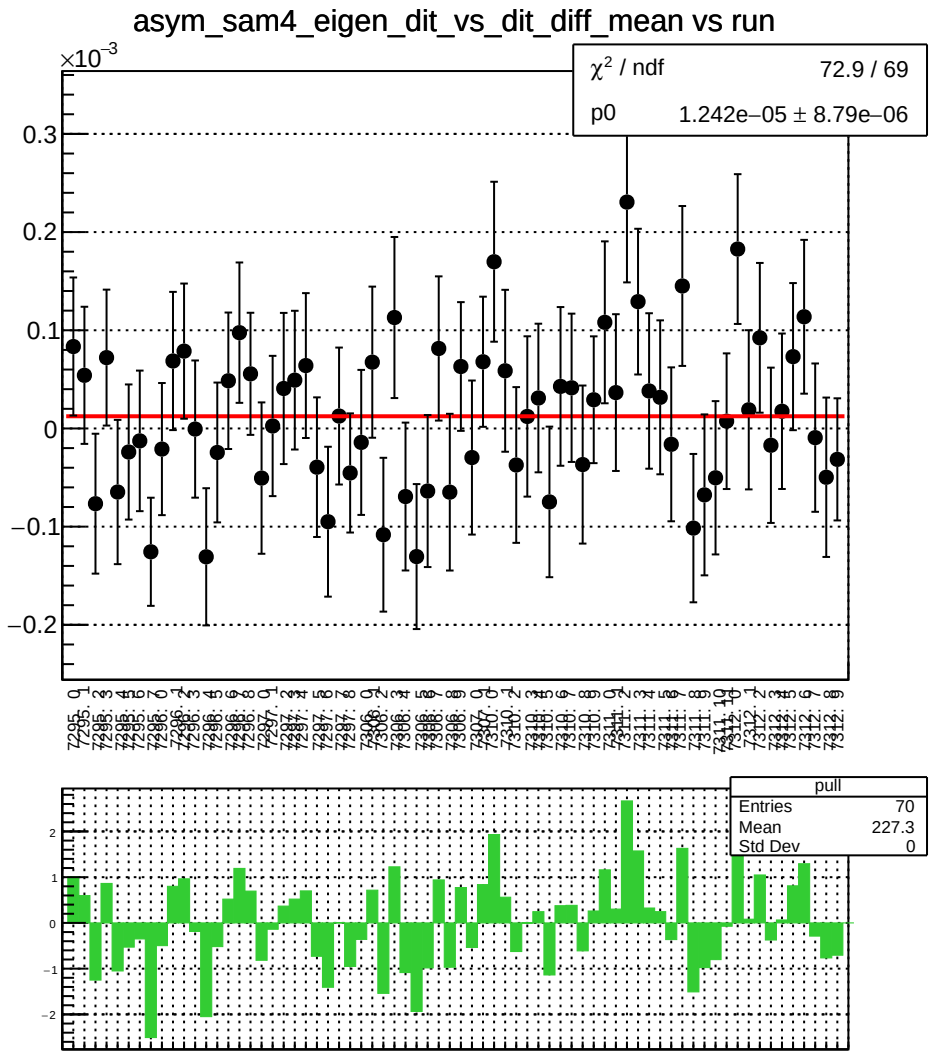

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 88.68 / 69
p0 −0.2429 ± 0.3237
pull
Entries 70
Mean −18.41
Std Dev 0
pull1D
Entries 70
Mean 0.04262
Std Dev 1.125

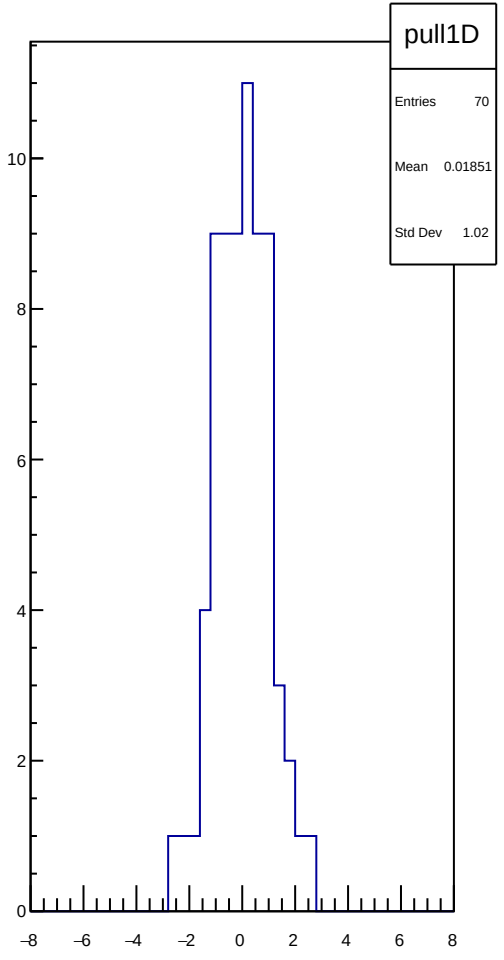

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 69
p0 238.5 ± 0.2289
900
800
700
600
500
400
300
200
100

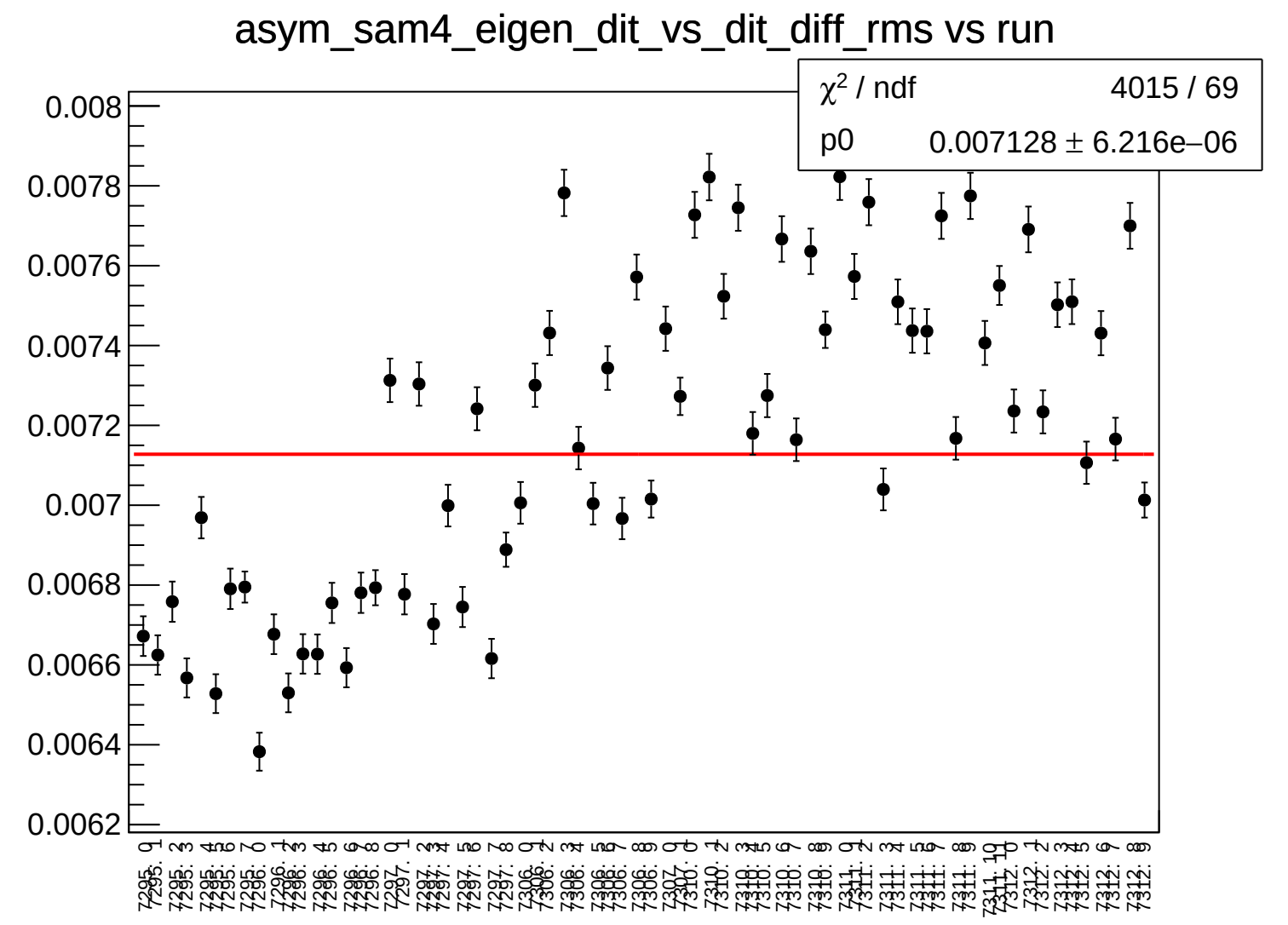

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.68 / 69
p0 −0.2429 ± 0.3237
pull
Entries 70
Mean −18.41
Std Dev 0

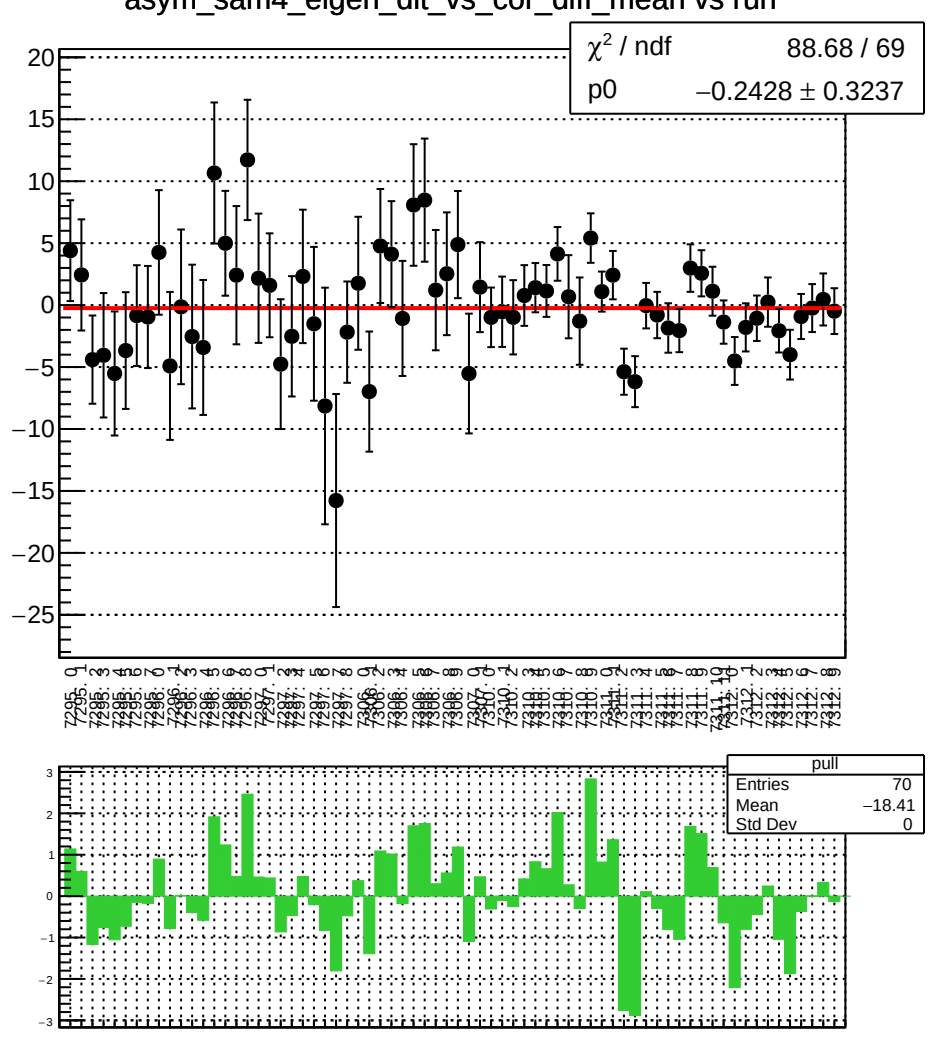

pull1D
Entries 70
Mean 0.04262
Std Dev 1.125

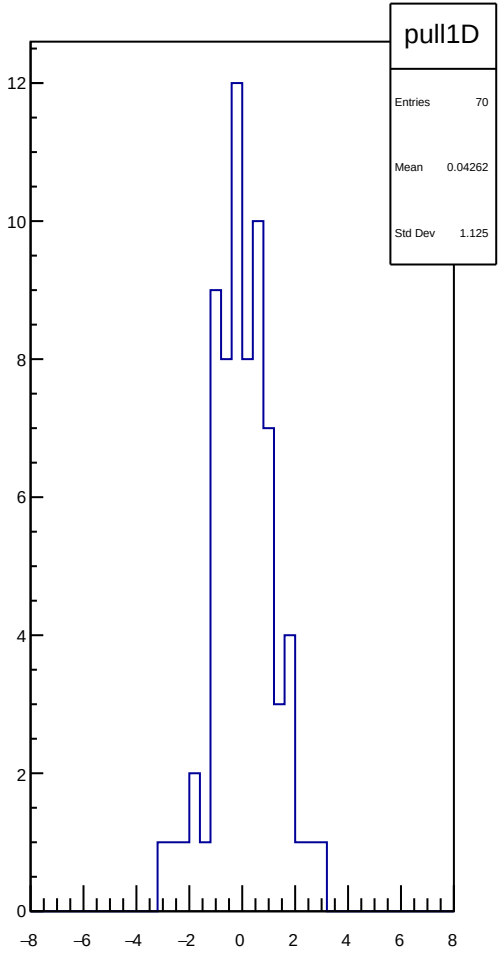

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.336e+05 / 69
p0 238.5 ± 0.2289
900
800
700
600
500
400
300
200
100

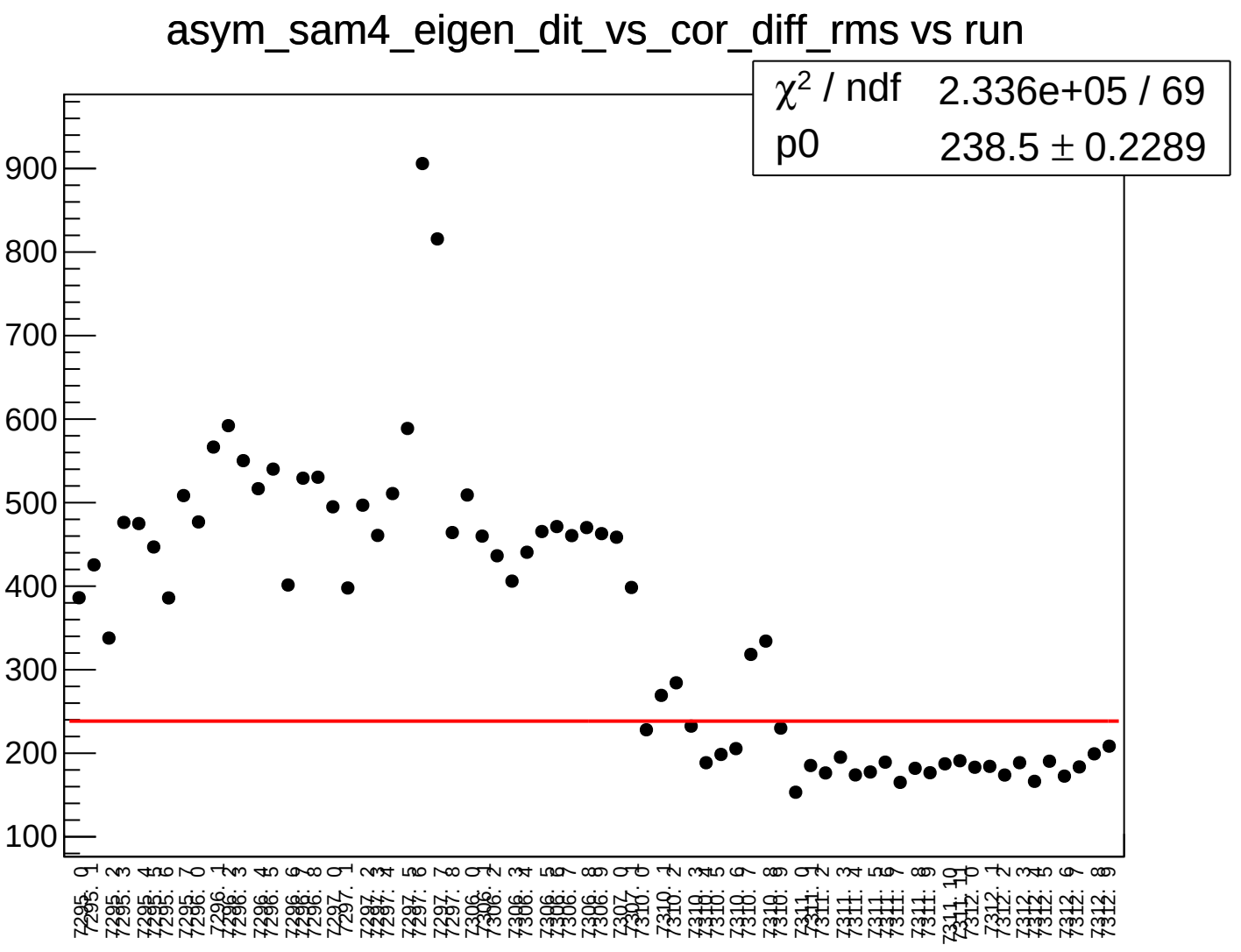

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.9 / 69
p0 1.242e−05 ± 8.79e−06
pull
Entries 70
Mean 227.3
Std Dev 0

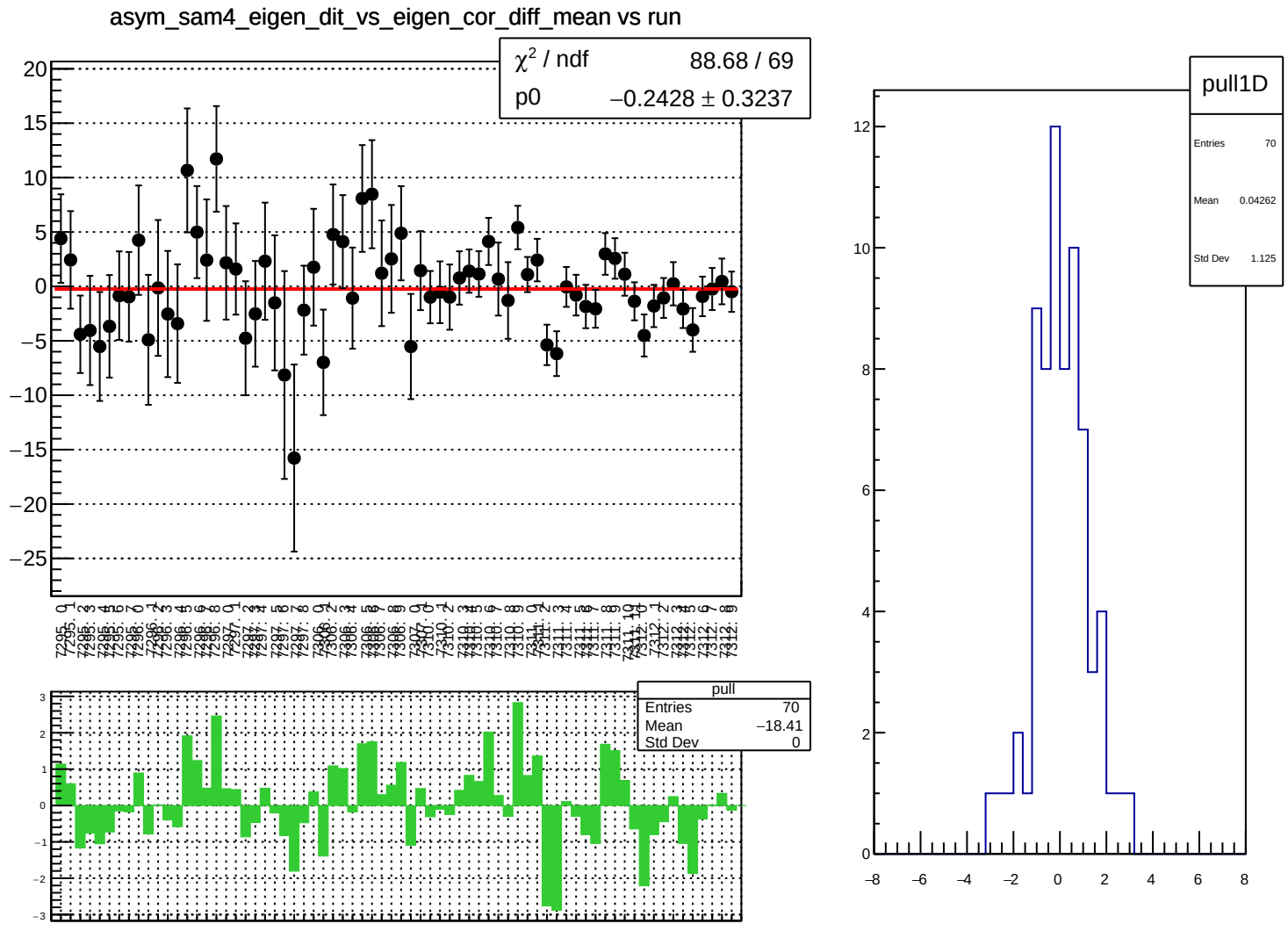

pull1D
Entries 70
Mean 0.01851
Std Dev 1.02

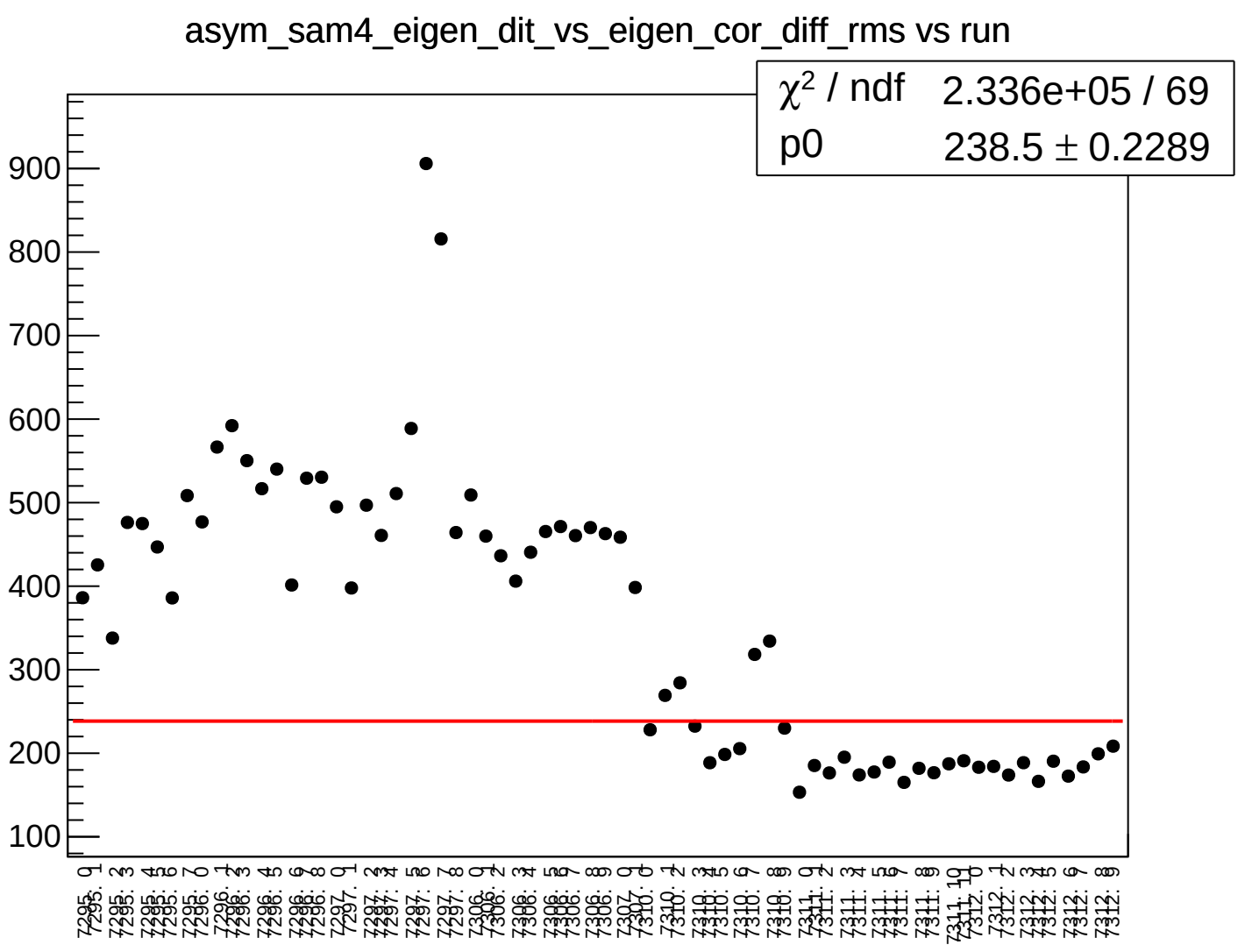

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4015 / 69
p0 0.007128 ± 6.216e−06
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062

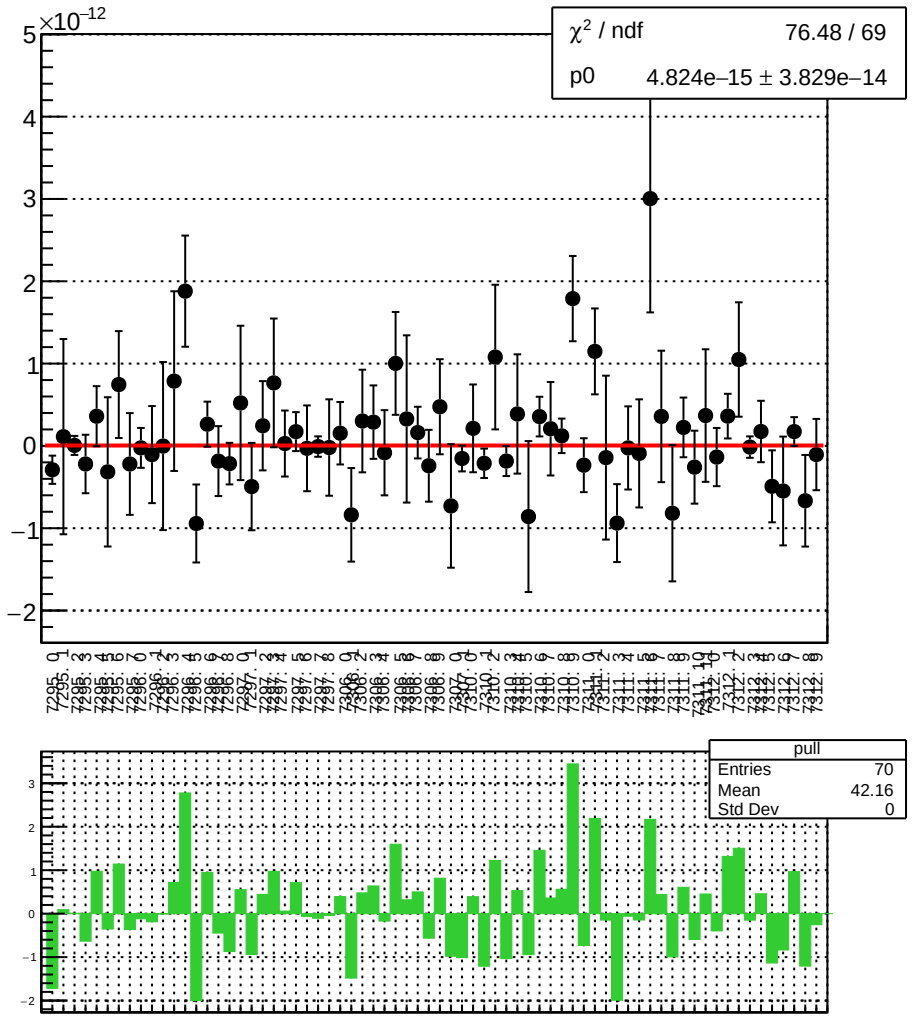

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.68 / 69
p0 −0.2428 ± 0.3237
pull
Entries 70
Mean −18.41
Std Dev 0

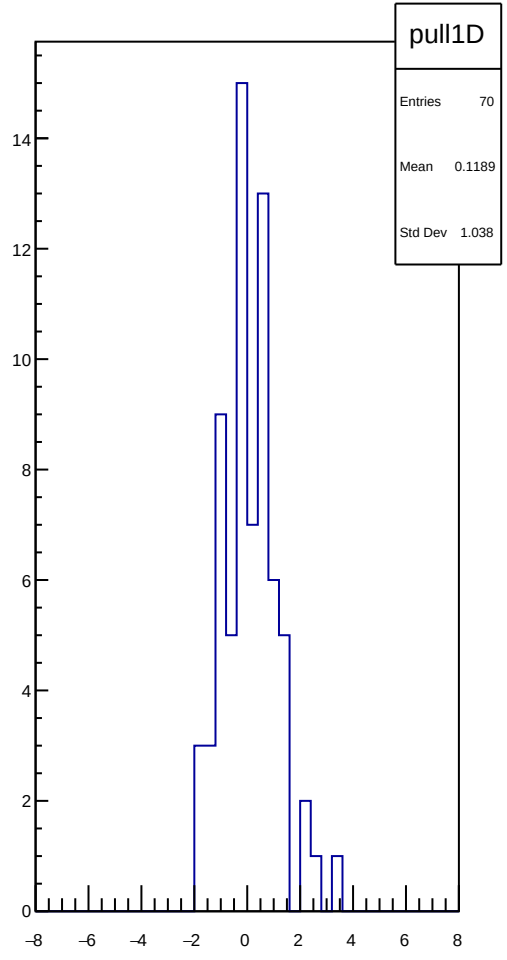

pull1D
Entries 70
Mean 0.04262
Std Dev 1.125

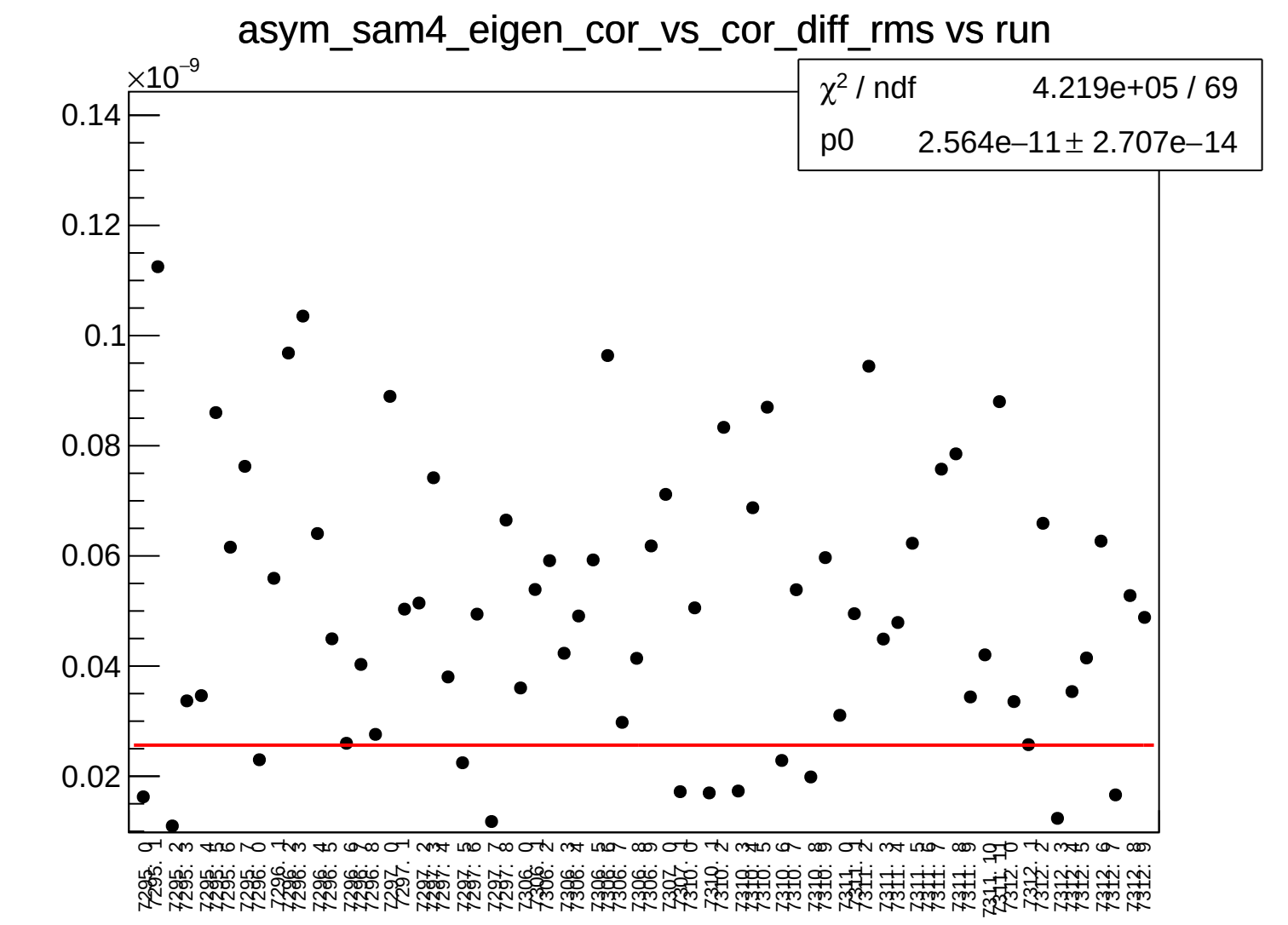

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 69
p0 238.5 ± 0.2289
900
800
700
600
500
400
300
200
100

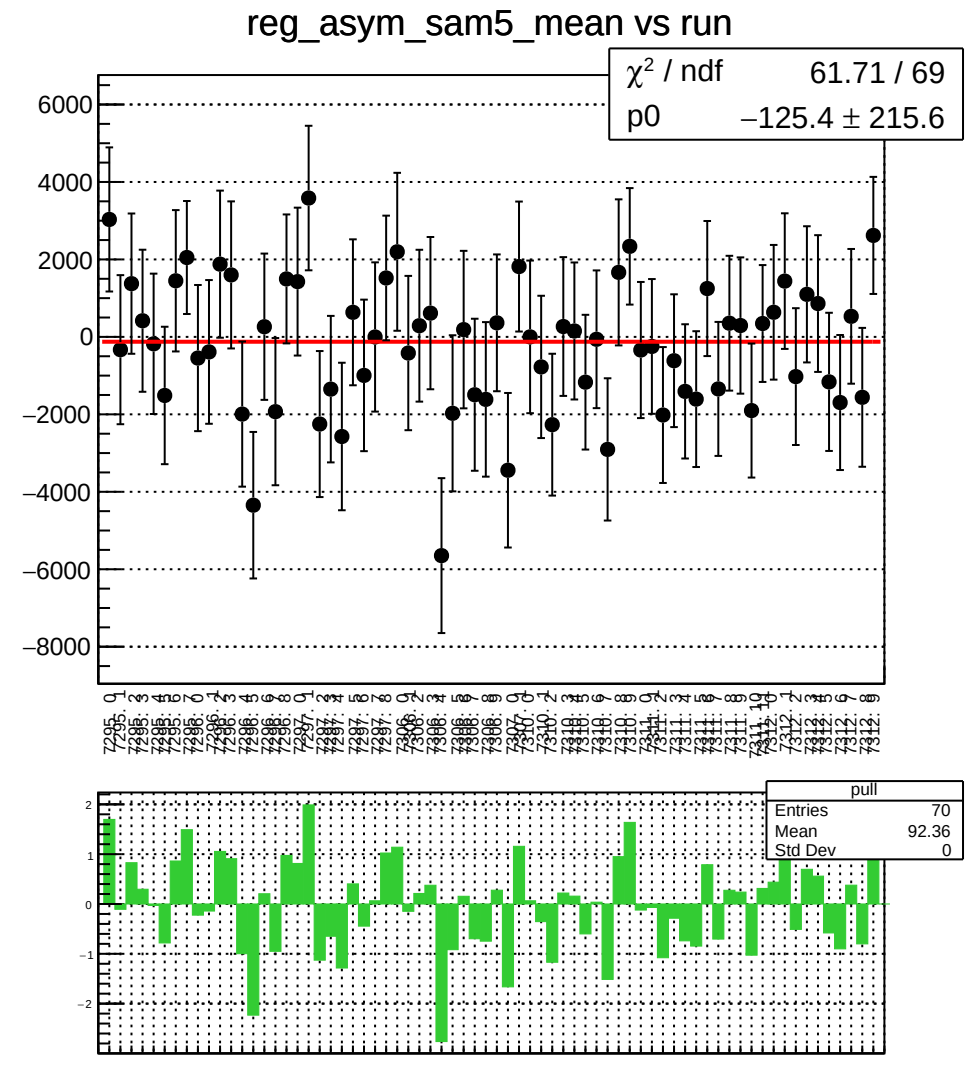

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.68 / 69
p0 −0.2428 ± 0.3237
pull
Entries 70
Mean −18.41
Std Dev 0
pull1D
Entries 70
Mean 0.04262
Std Dev 1.125

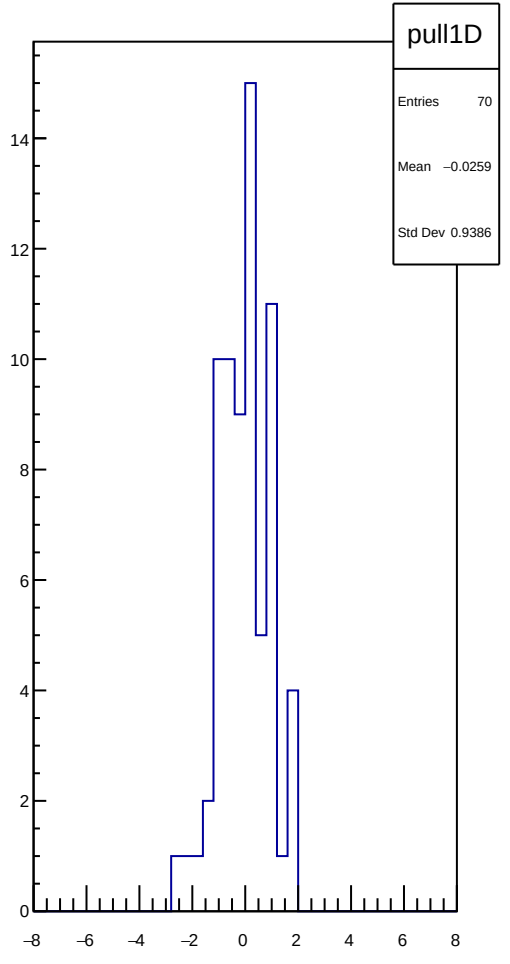

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 69
p0 238.5 ± 0.2289
900
800
700
600
500
400
300
200
100

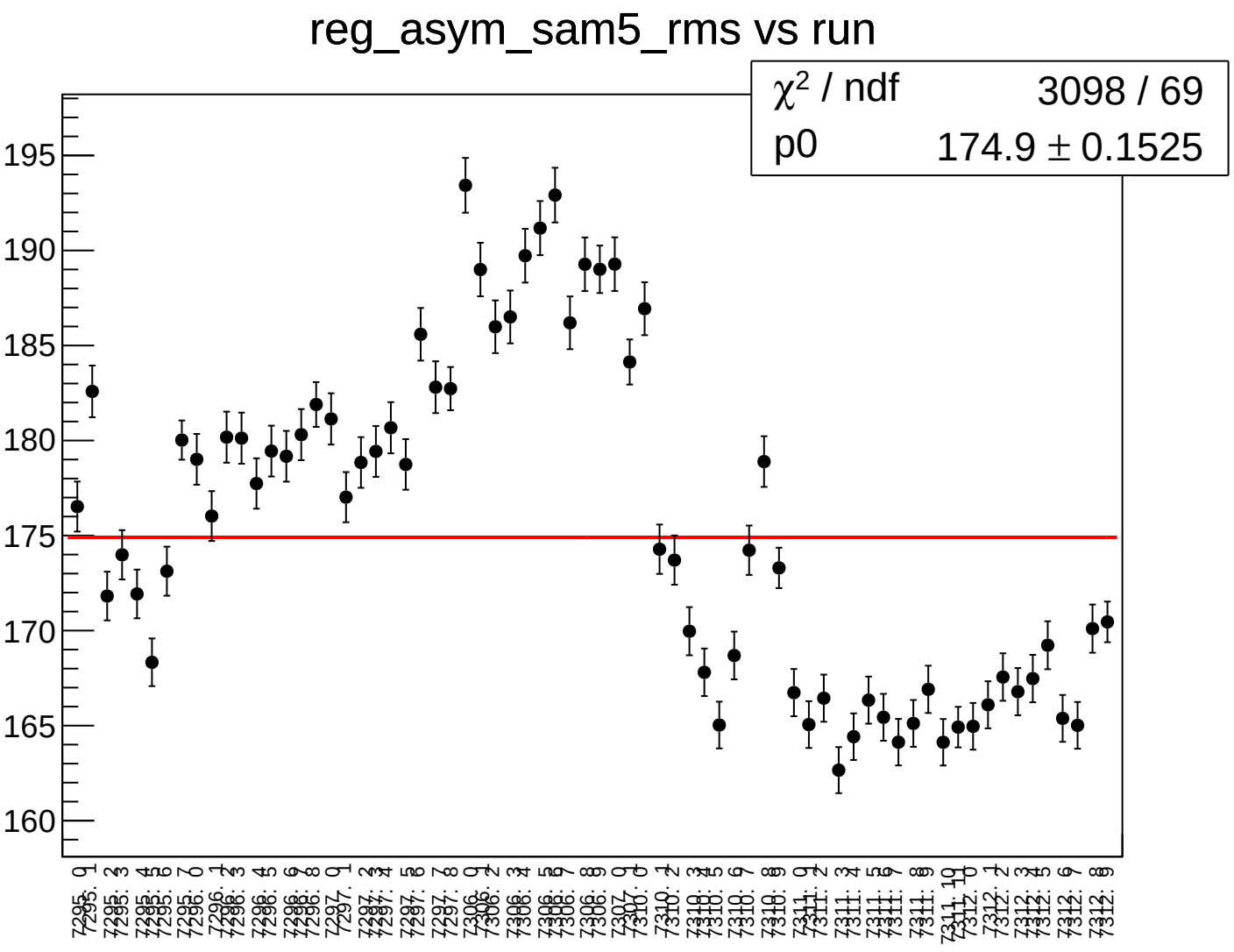

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.48 / 69
p0 4.824e−15 ± 3.829e−14
pull
Entries 70
Mean 42.16
Std Dev 0

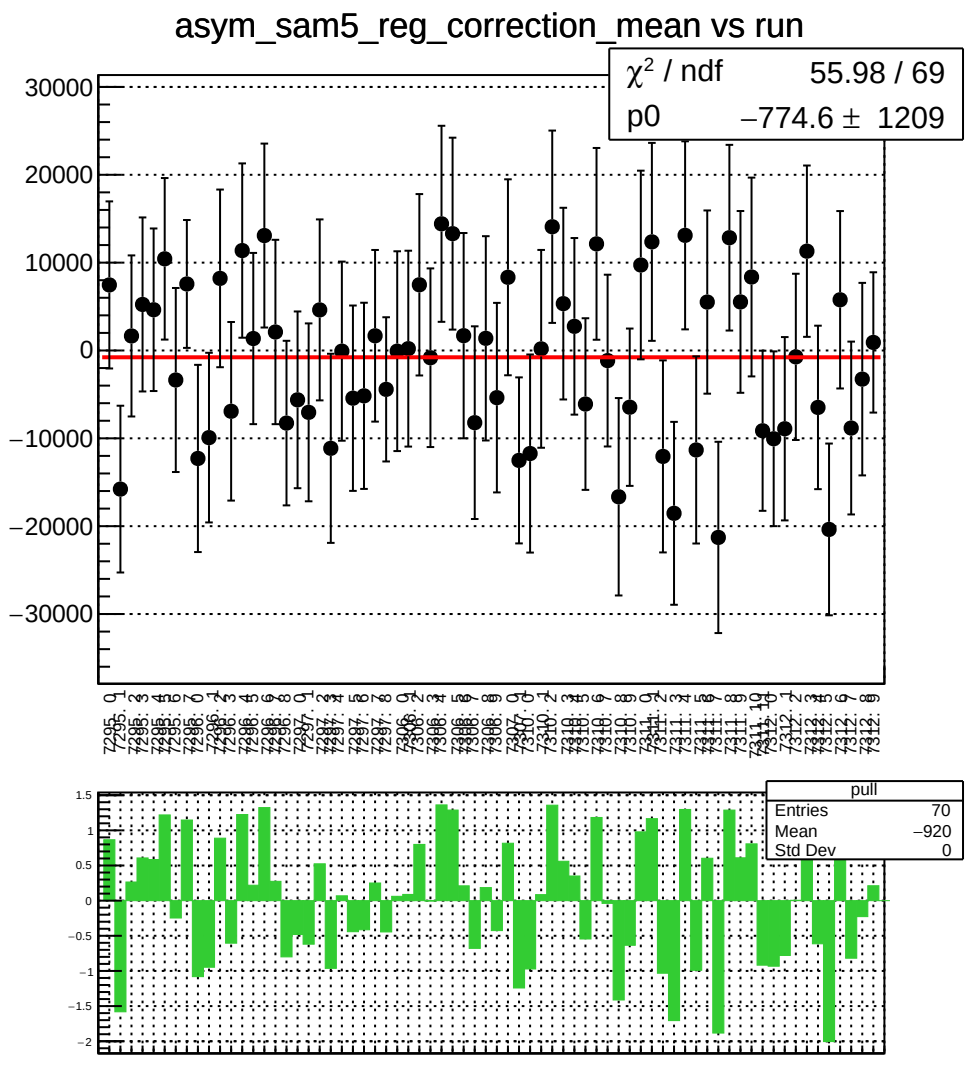

pull1D
Entries 70
Mean 0.1189
Std Dev 1.038

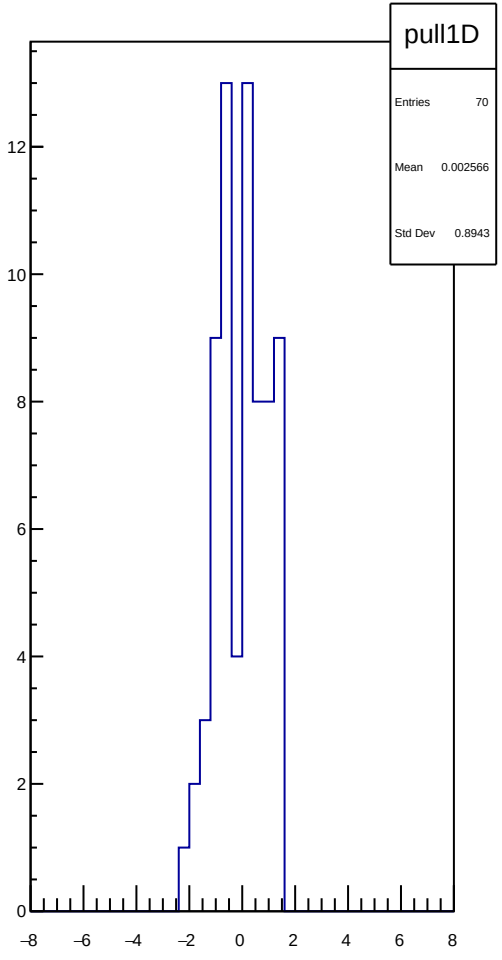

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.219e+05 / 69
p0 2.564e−11 ± 2.707e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

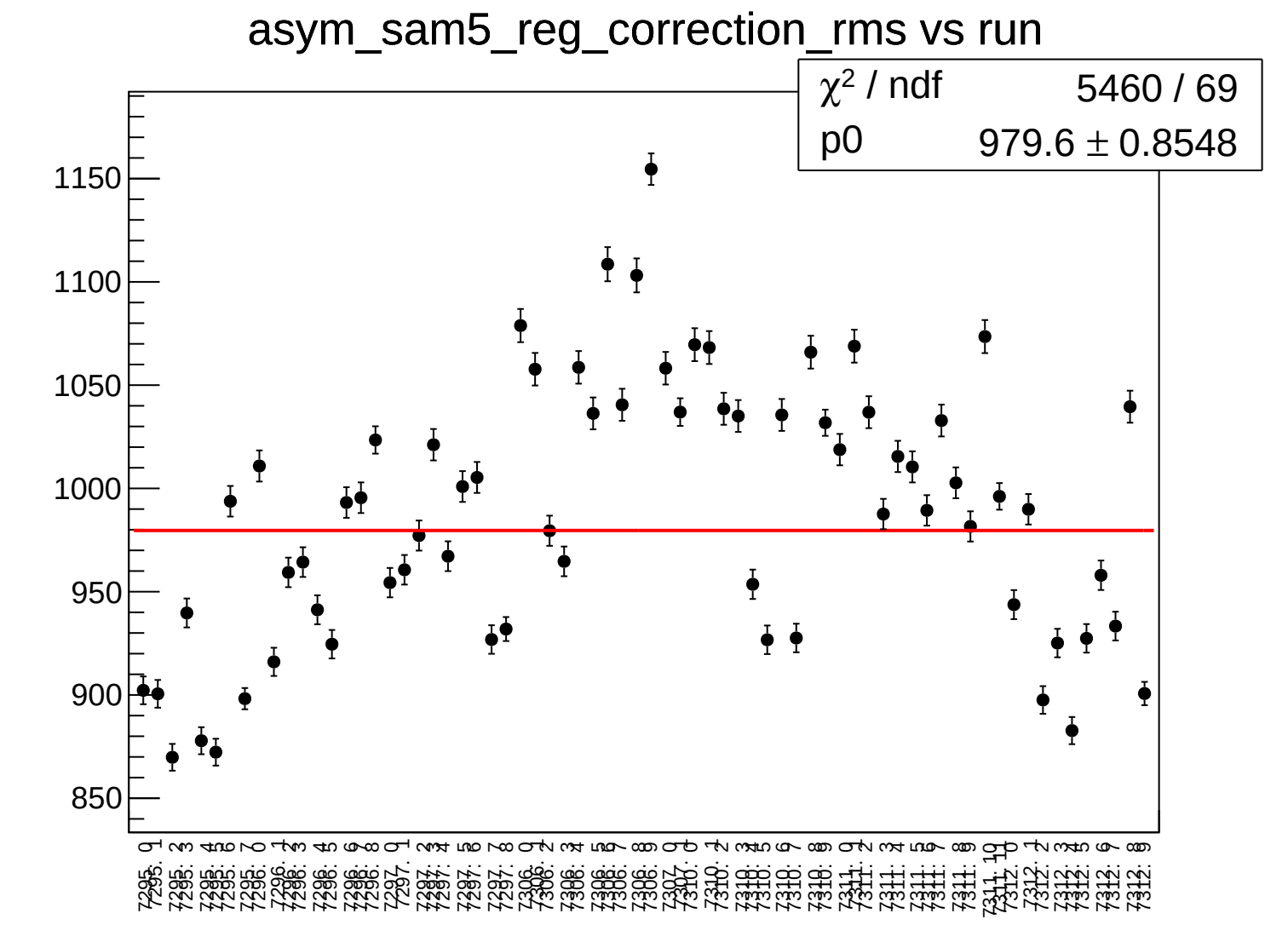

reg_asym_sam5_mean vs run
χ² / ndf 61.71 / 69
p0 −125.4 ± 215.6
pull
Entries 70
Mean 92.36
Std Dev 0

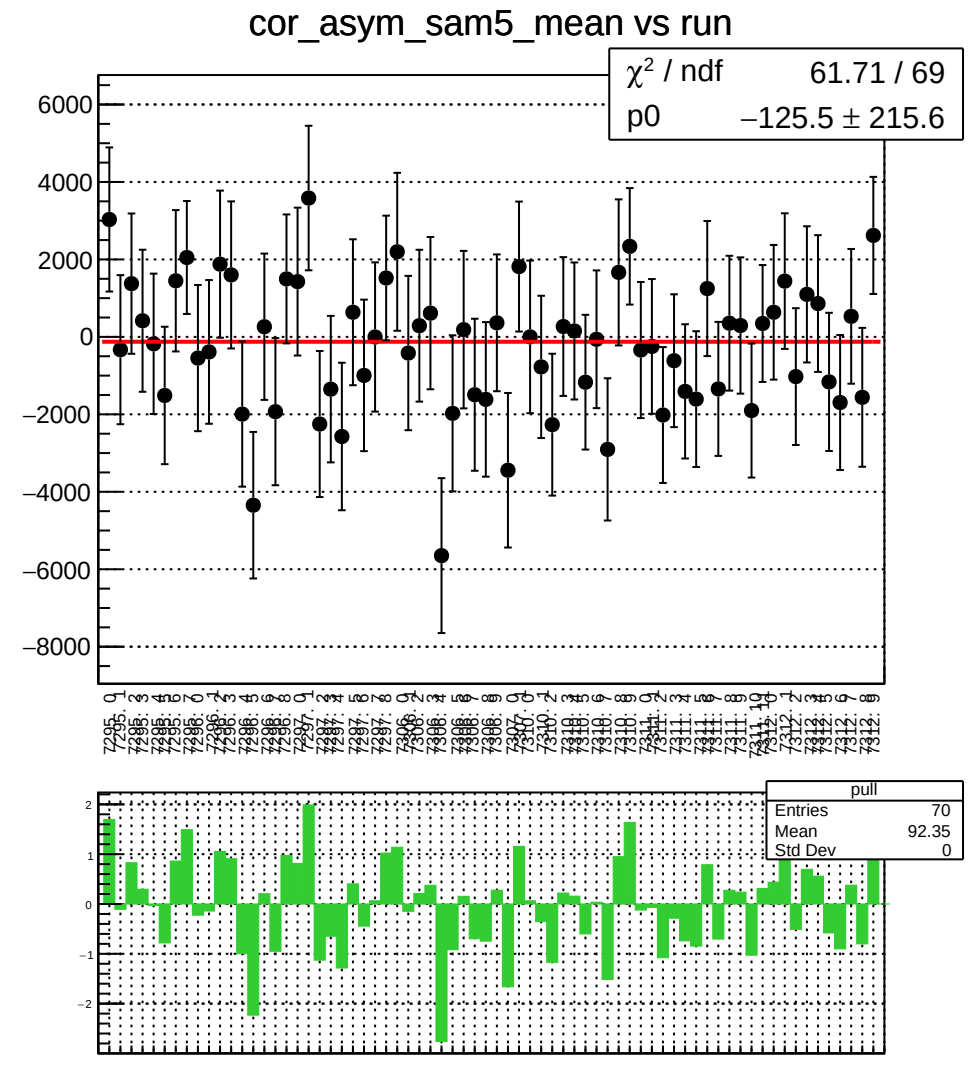

pull1D
Entries 70
Mean −0.0259
Std Dev 0.9386

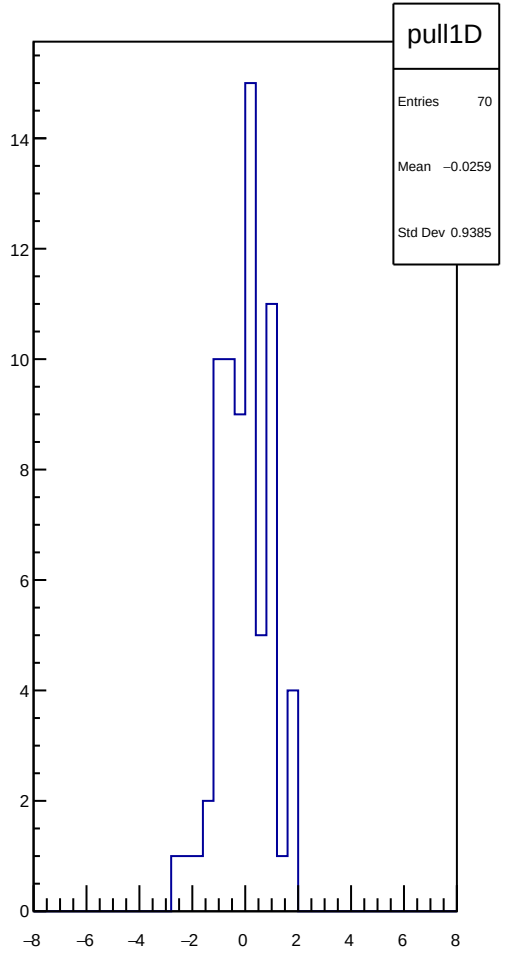

reg_asym_sam5_rms vs run
χ² / ndf 3098 / 69
p0 174.9 ± 0.1525
195
190
185
180
175
170
165
160

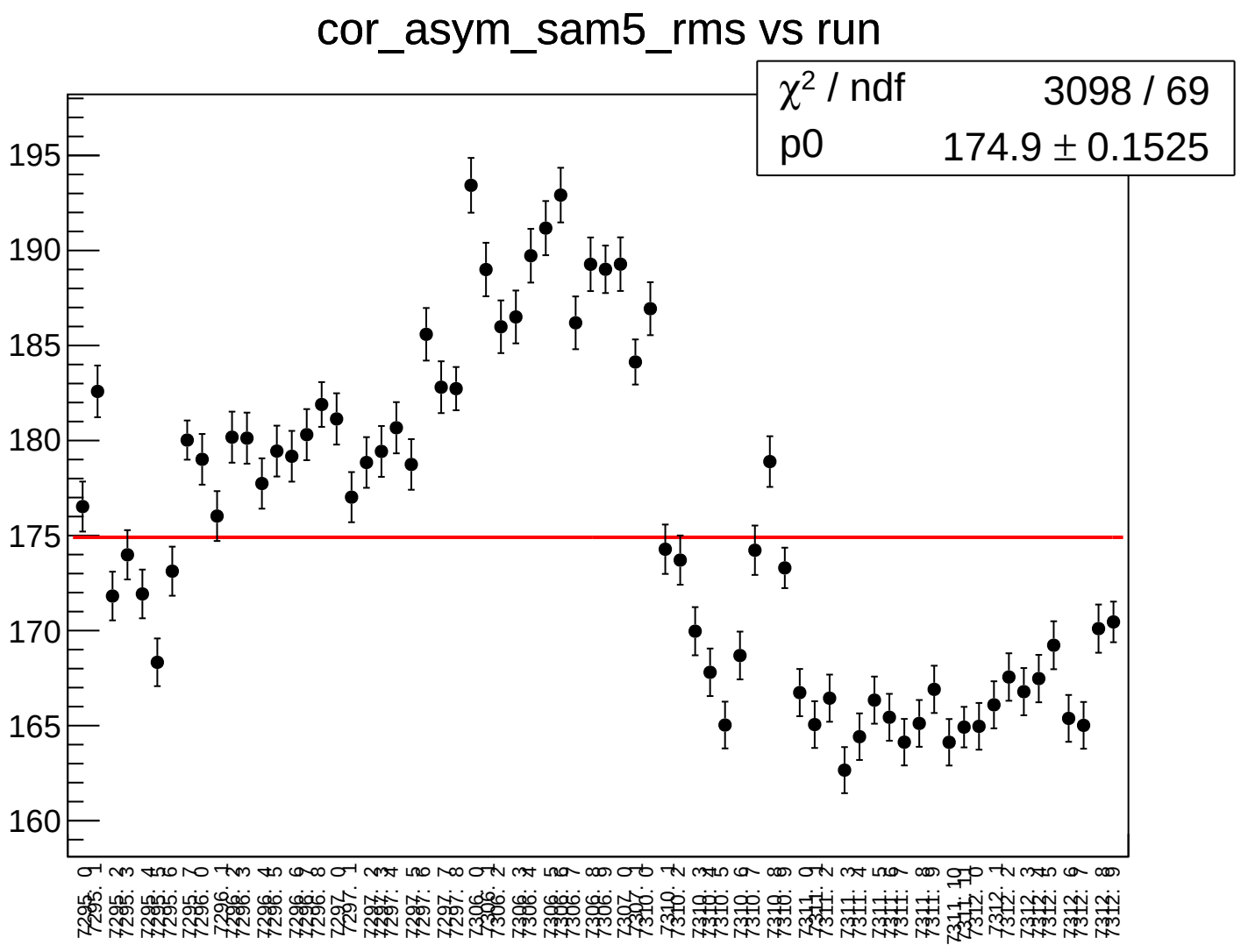

asym_sam5_reg_correction_mean vs run
χ² / ndf 55.98 / 69
p0 −774.6 ± 1209
pull
Entries 70
Mean −920
Std Dev 0

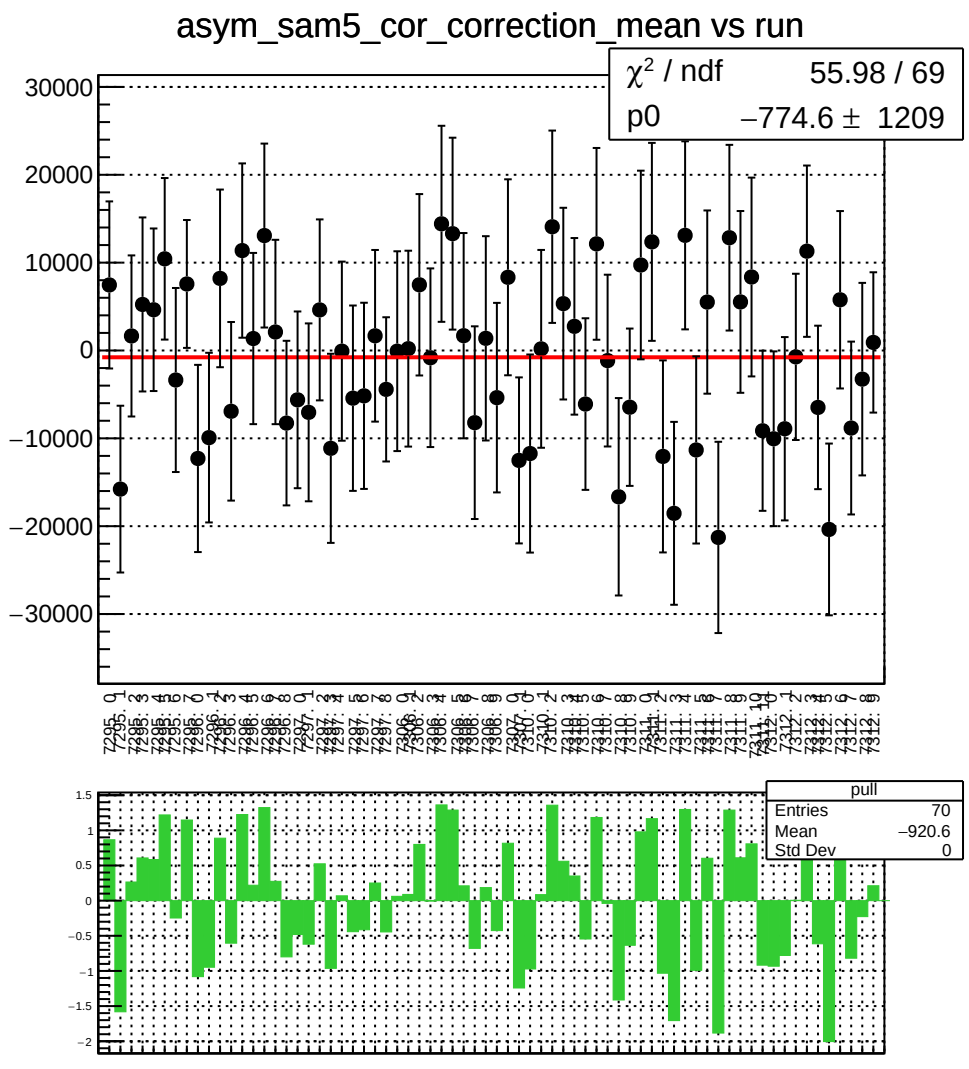

pull1D
Entries 70
Mean 0.002566
Std Dev 0.8943

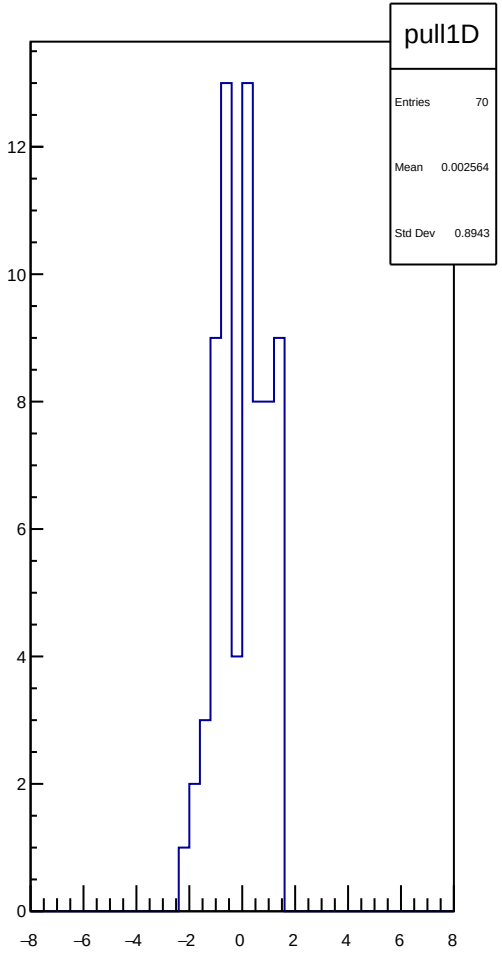

asym_sam5_reg_correction_rms vs run
χ² / ndf 5460 / 69
p0 979.6 ± 0.8548
1150
1100
1050
1000
950
900
850

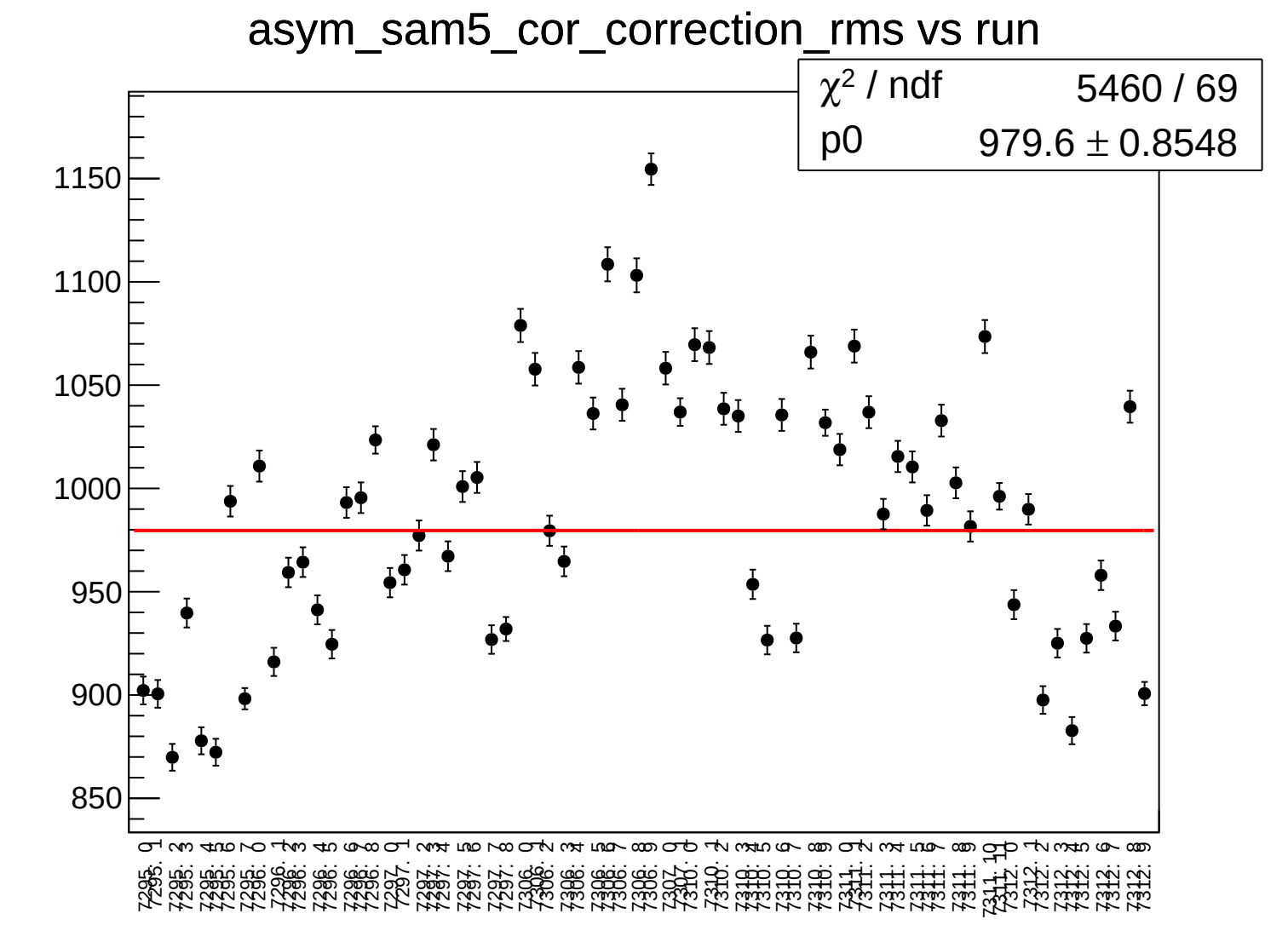

cor_asym_sam5_mean vs run
χ² / ndf 61.71 / 69
p0 −125.5 ± 215.6
pull
Entries 70
Mean 92.35
Std Dev 0

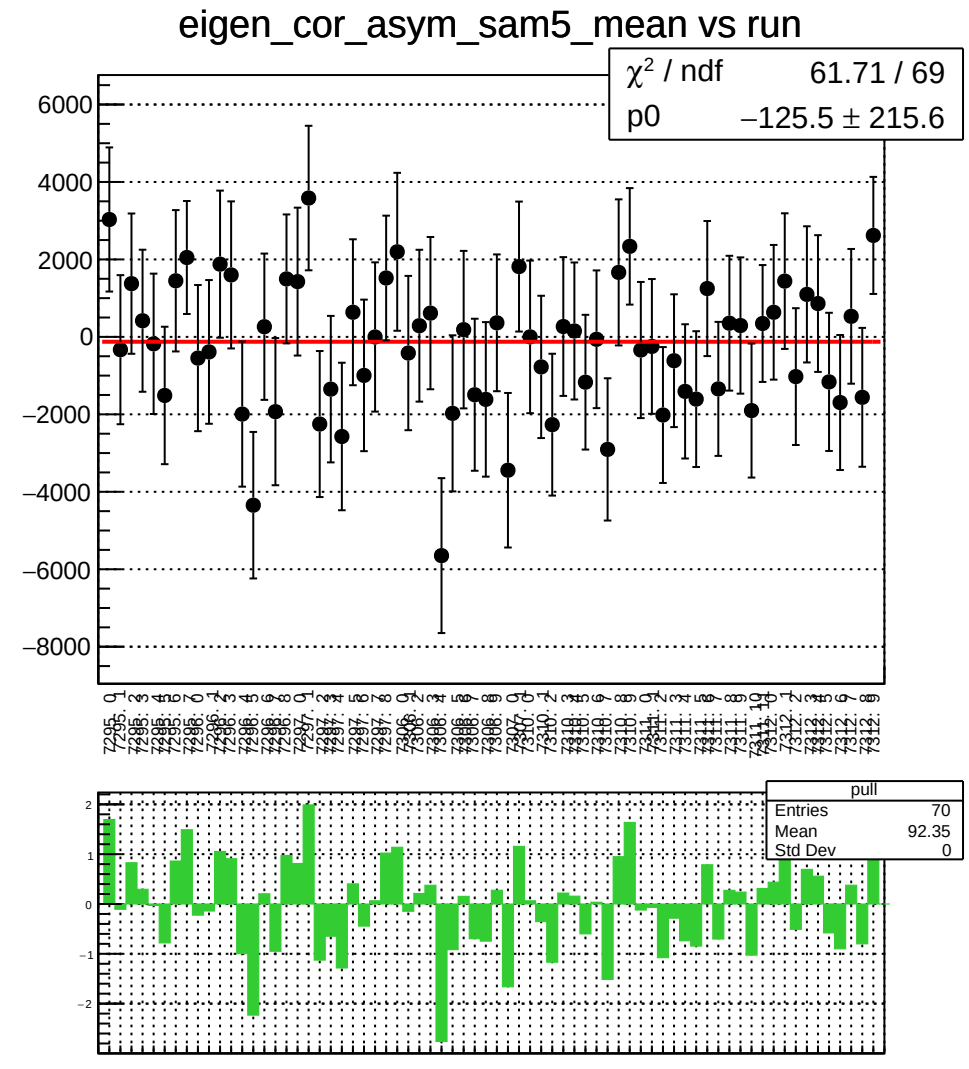

pull1D
Entries 70
Mean −0.0259
Std Dev 0.9385

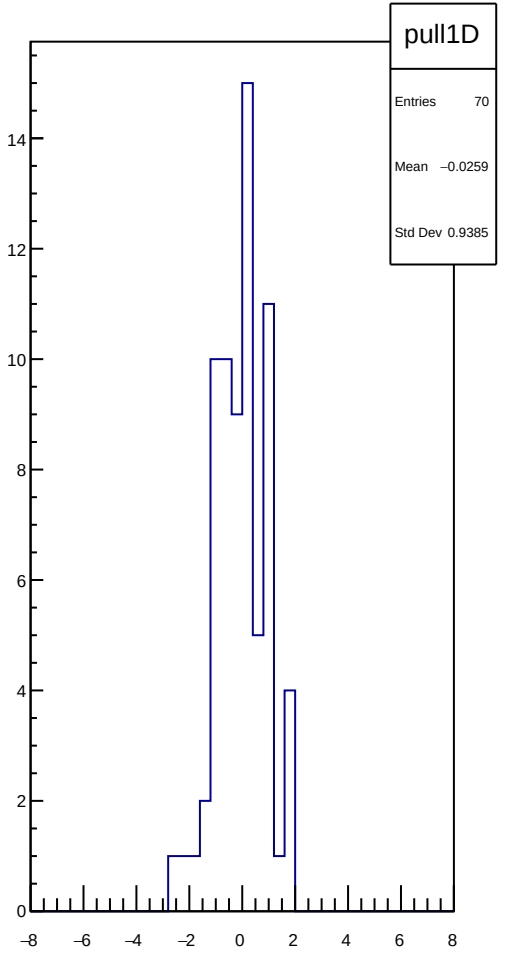

cor_asym_sam5_rms vs run
χ² / ndf 3098 / 69
p0 174.9 ± 0.1525
195
190
185
180
175
170
165
160

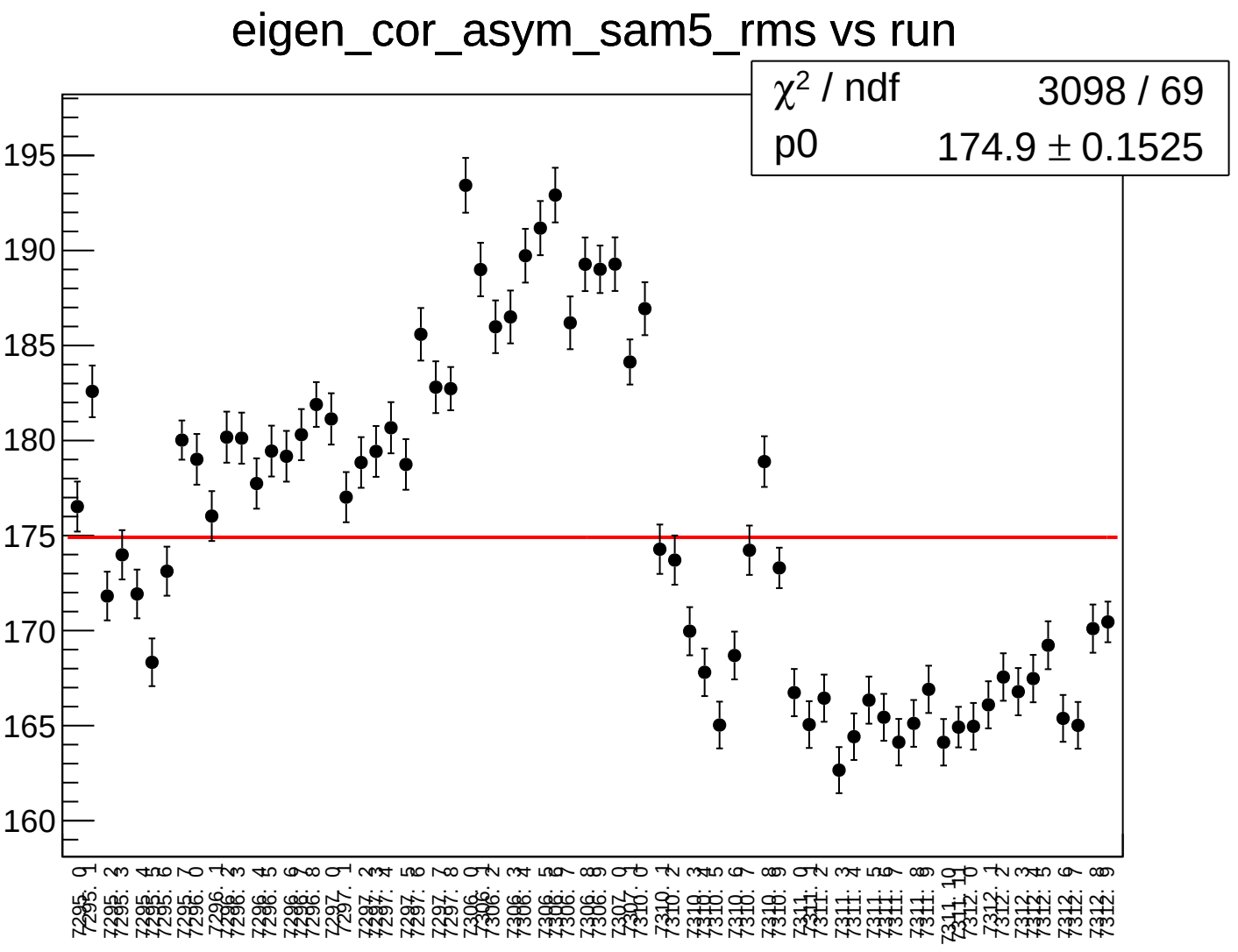

asym_sam5_cor_correction_mean vs run
χ² / ndf 55.98 / 69
p0 −774.6 ± 1209
pull
Entries 70
Mean −920.6
Std Dev 0

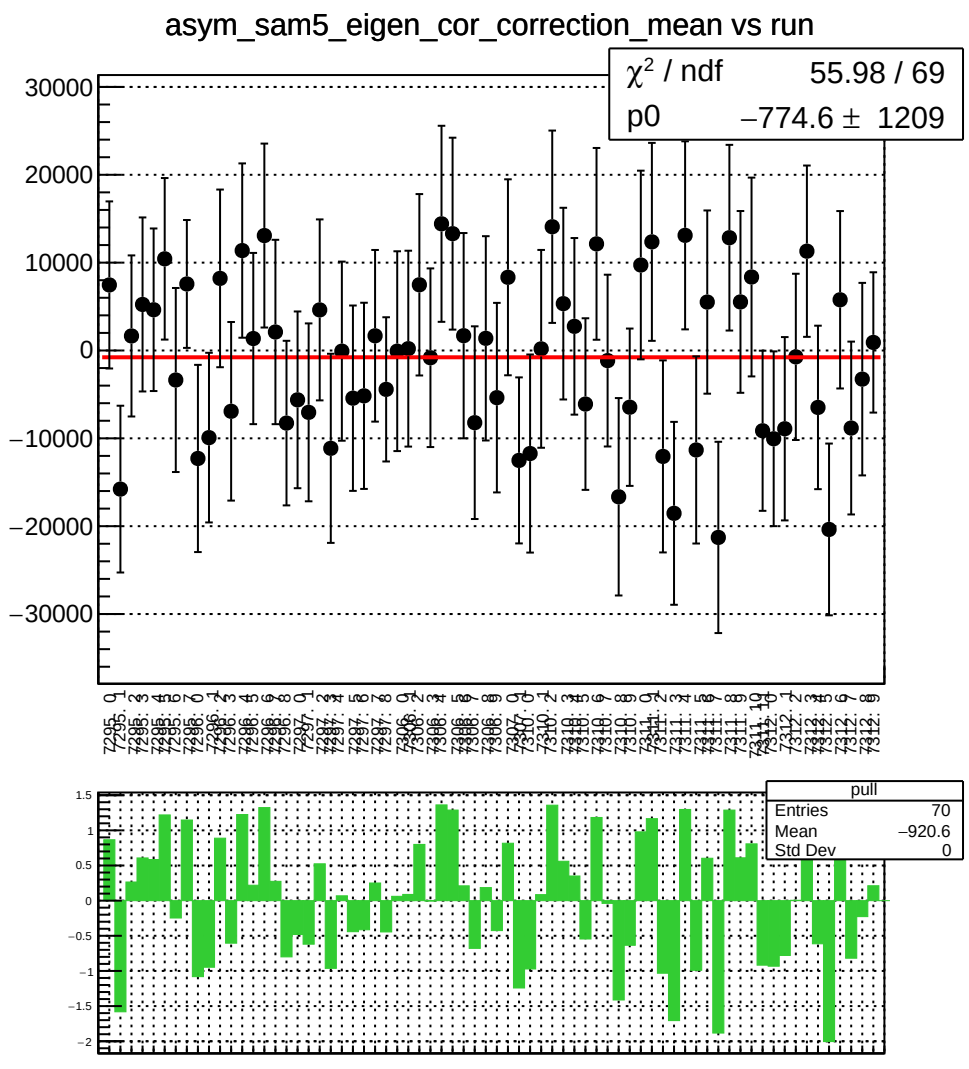

pull1D
Entries 70
Mean 0.002564
Std Dev 0.8943

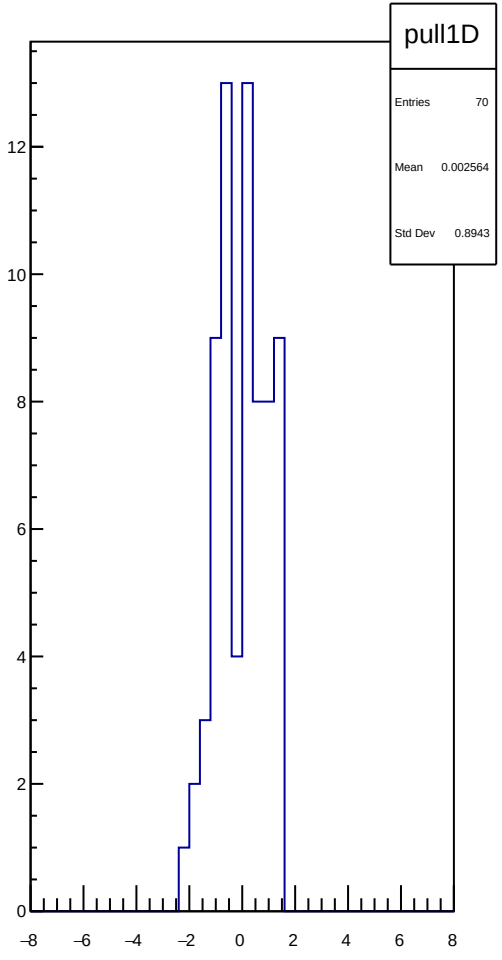

asym_sam5_cor_correction_rms vs run
χ² / ndf 5460 / 69
p0 979.6 ± 0.8548
1150
1100
1050
1000
950
900
850

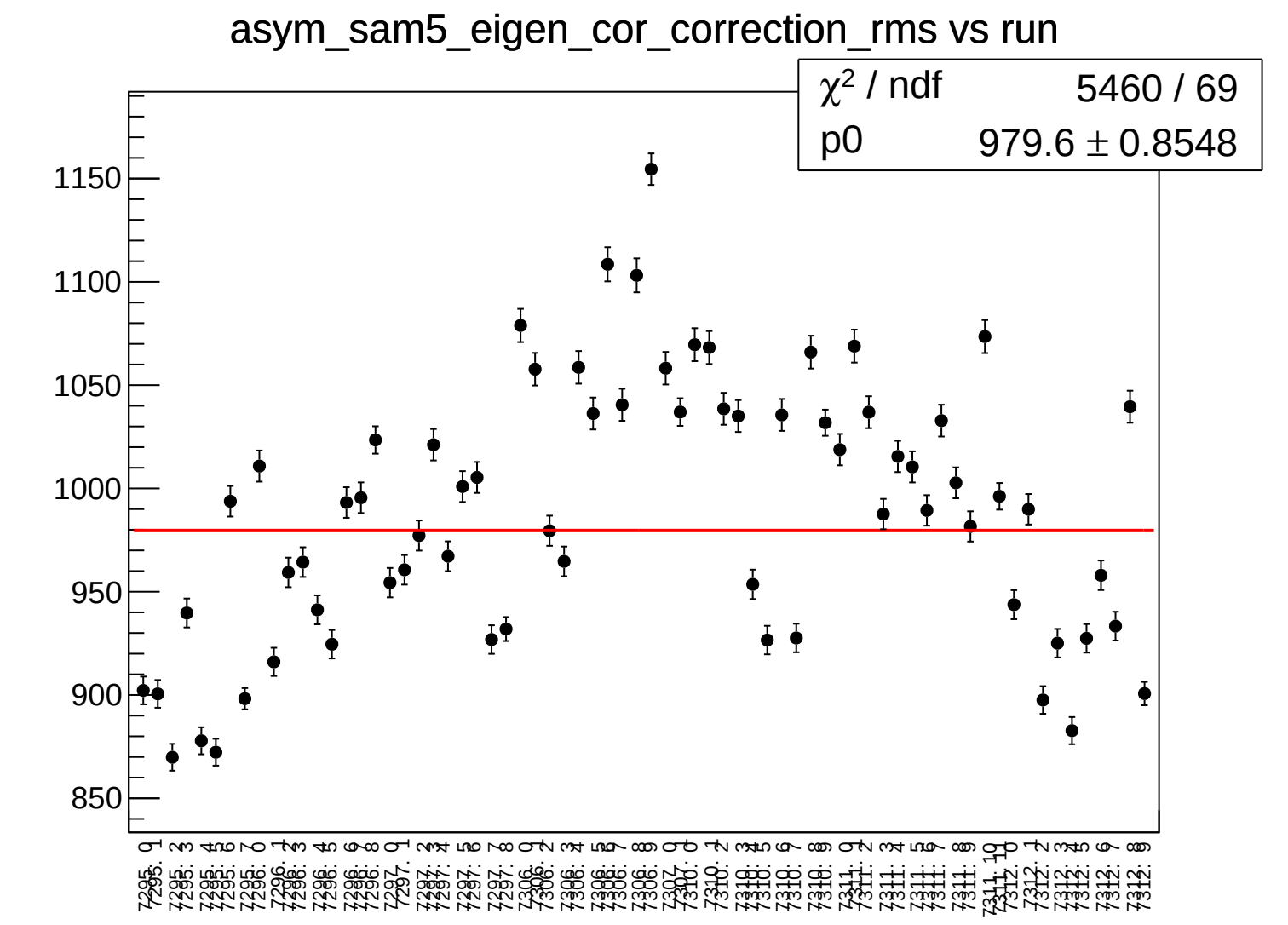

eigen_cor_asym_sam5_mean vs run
χ² / ndf 61.71 / 69
p0 −125.5 ± 215.6
pull
Entries 70
Mean 92.35
Std Dev 0

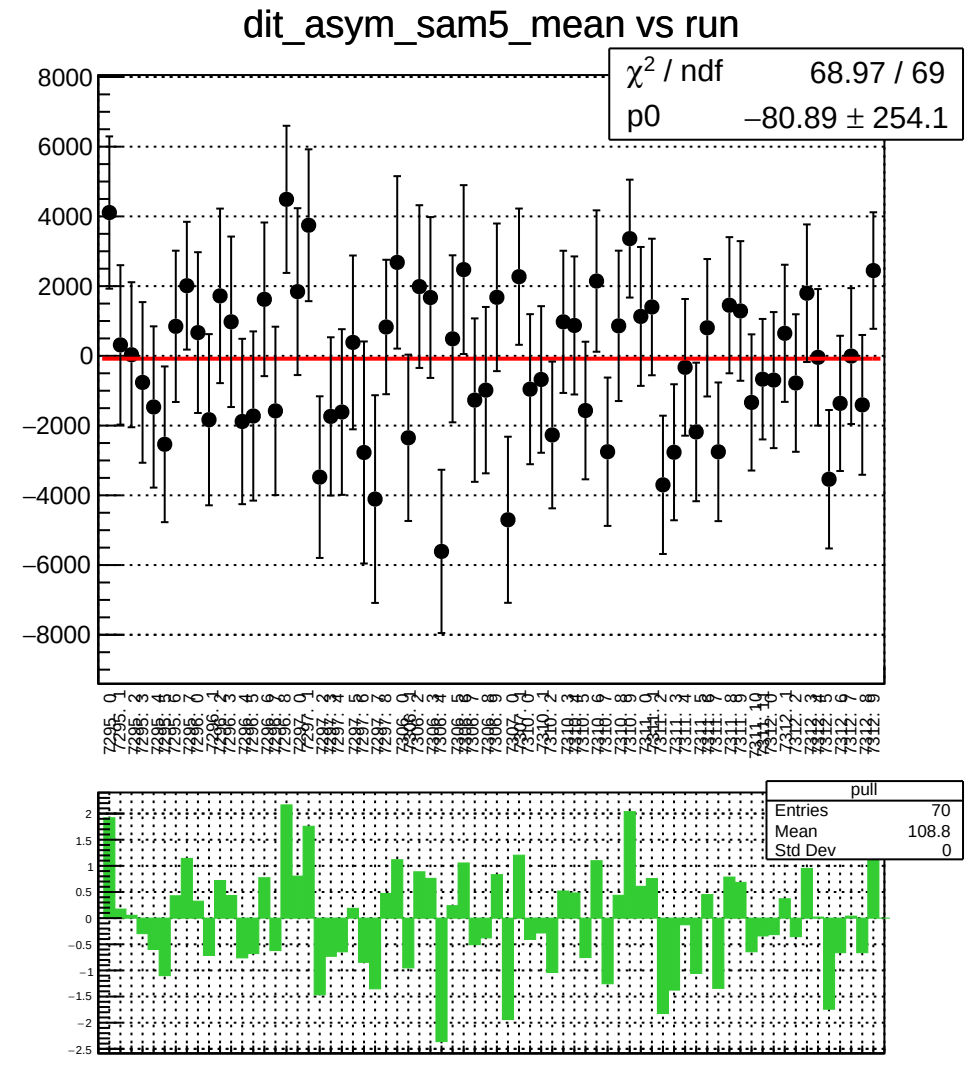

pull1D
Entries 70
Mean −0.0259
Std Dev 0.9385

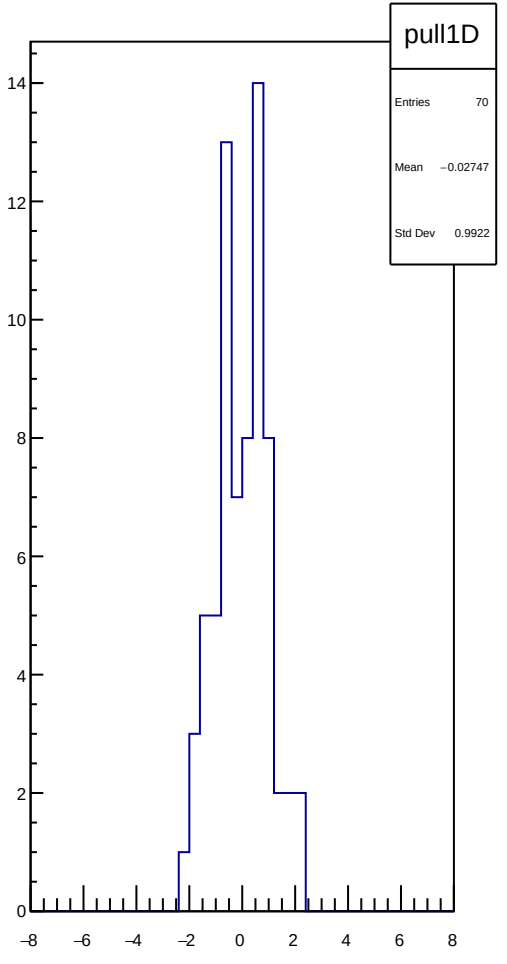

eigen_cor_asym_sam5_rms vs run
χ² / ndf 3098 / 69
p0 174.9 ± 0.1525
195
190
185
180
175
170
165
160

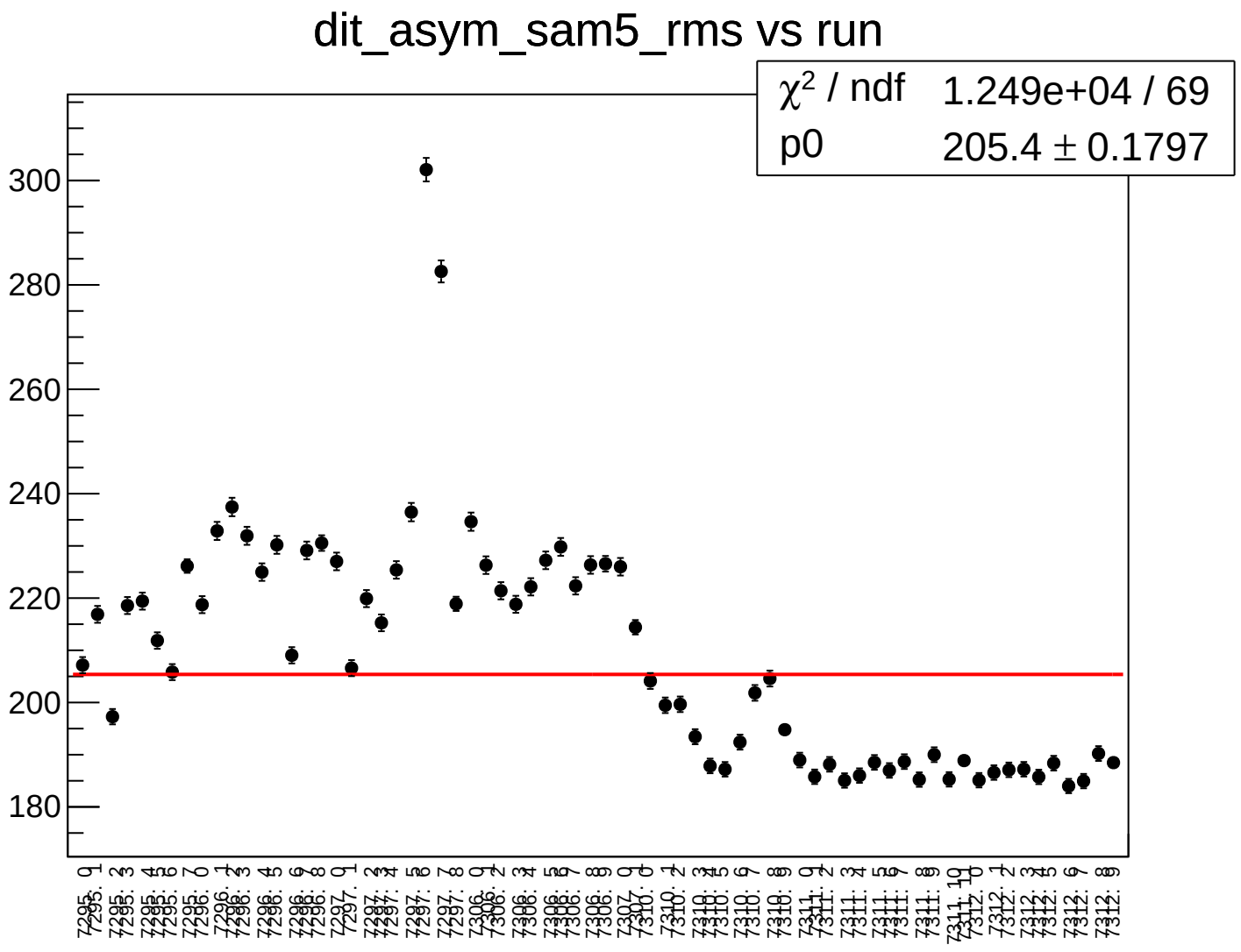

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 55.98 / 69
p0 −774.6 ± 1209
pull
Entries 70
Mean −920.6
Std Dev 0

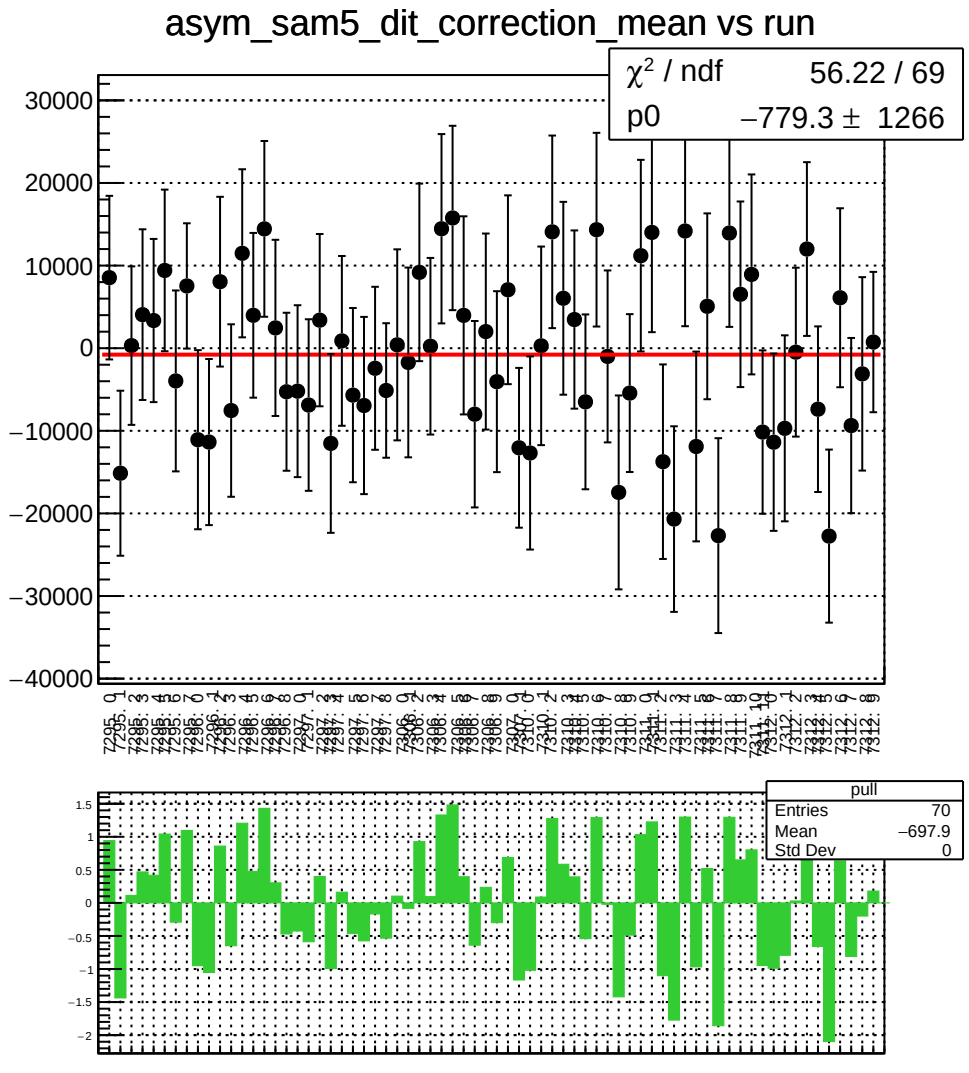

pull1D
Entries 70
Mean 0.002564
Std Dev 0.8943

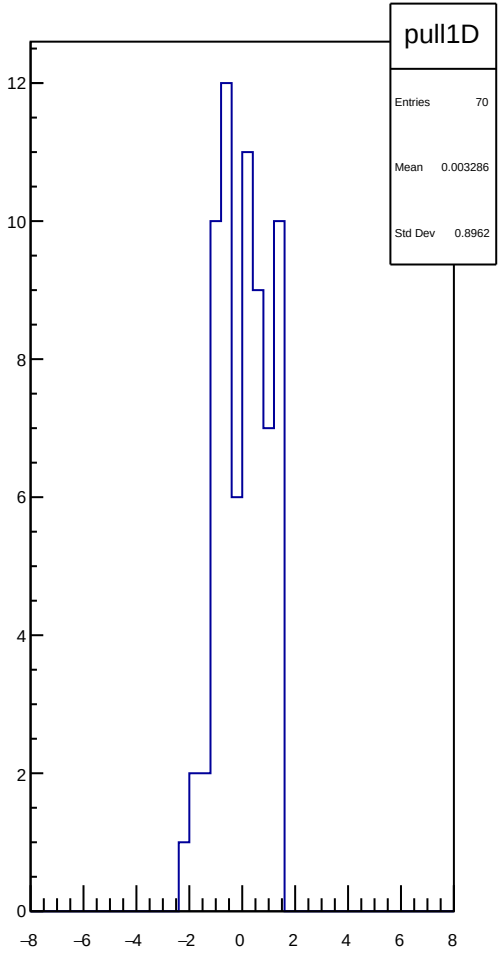

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 5460 / 69
p0 979.6 ± 0.8548
1150
1100
1050
1000
950
900
850

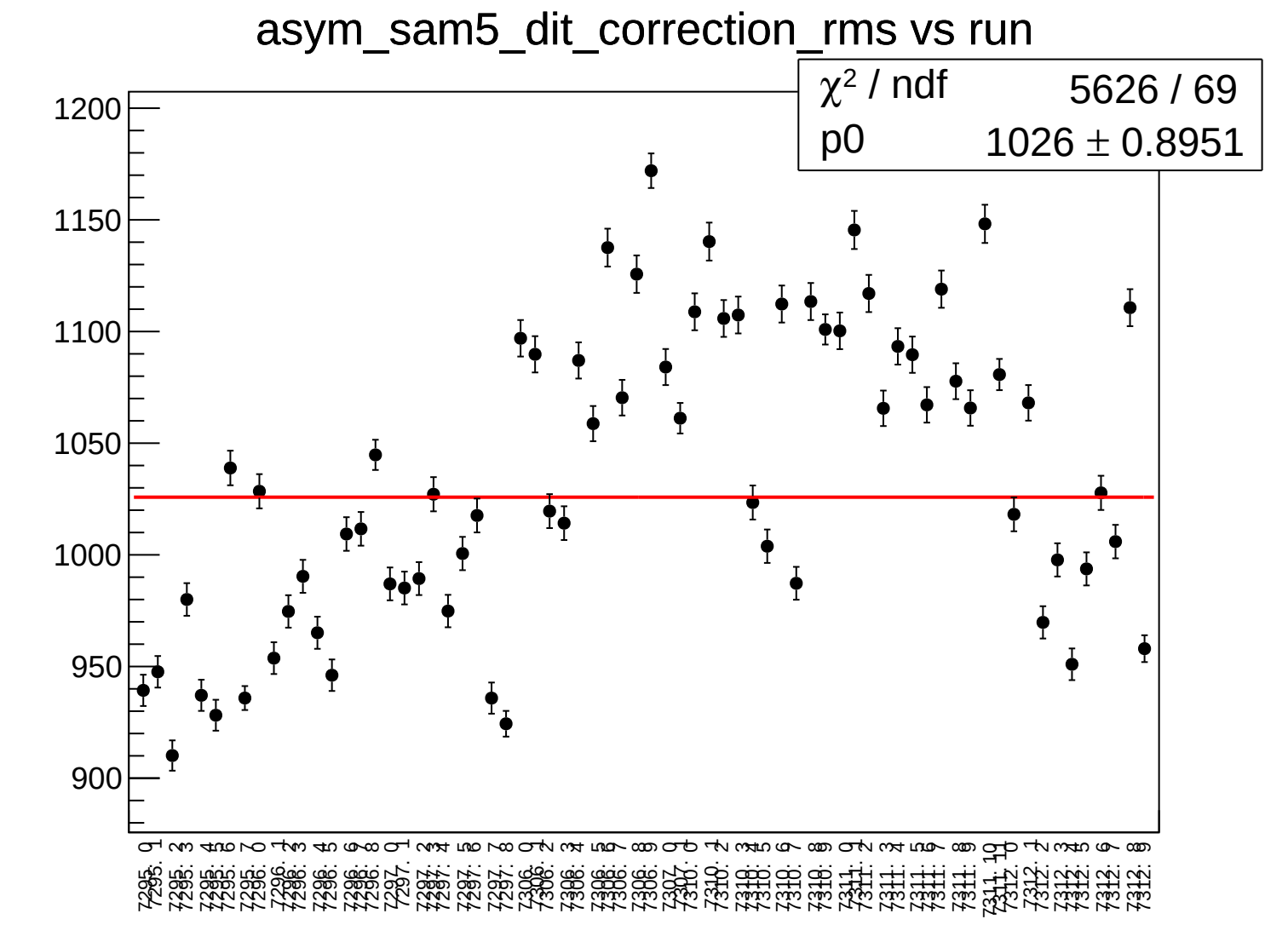

dit_asym_sam5_mean vs run
χ^2 / ndf 68.97 / 69
p0 −80.89 ± 254.1
pull
Entries 70
Mean 108.8
Std Dev 0

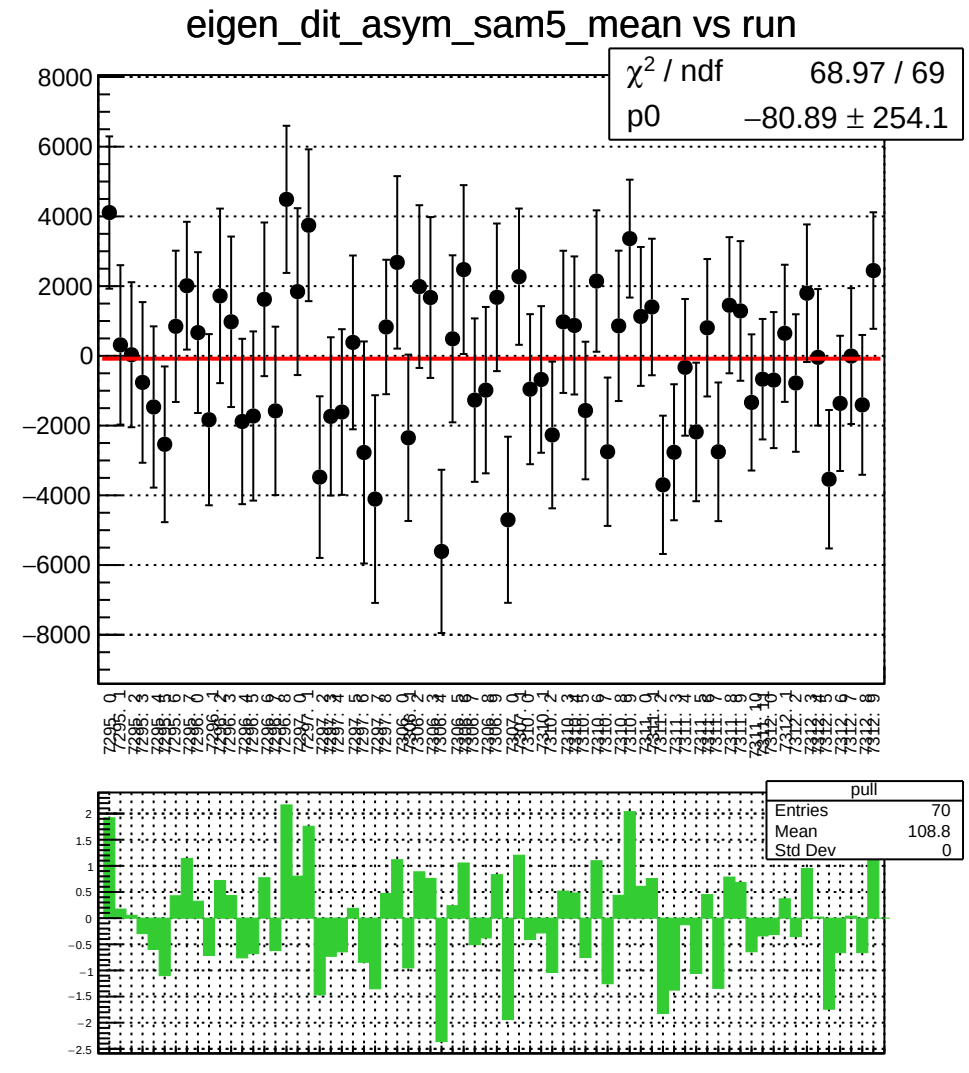

pull1D
Entries 70
Mean −0.02747
Std Dev 0.9922

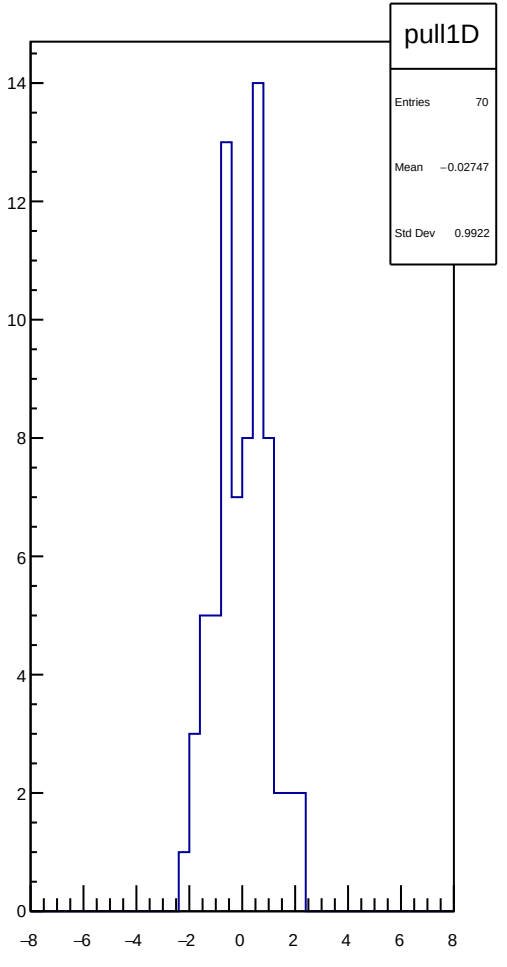

dit_asym_sam5_rms vs run
χ² / ndf 1.249e+04 / 69
p0 205.4 ± 0.1797
300
280
260
240
220
200
180

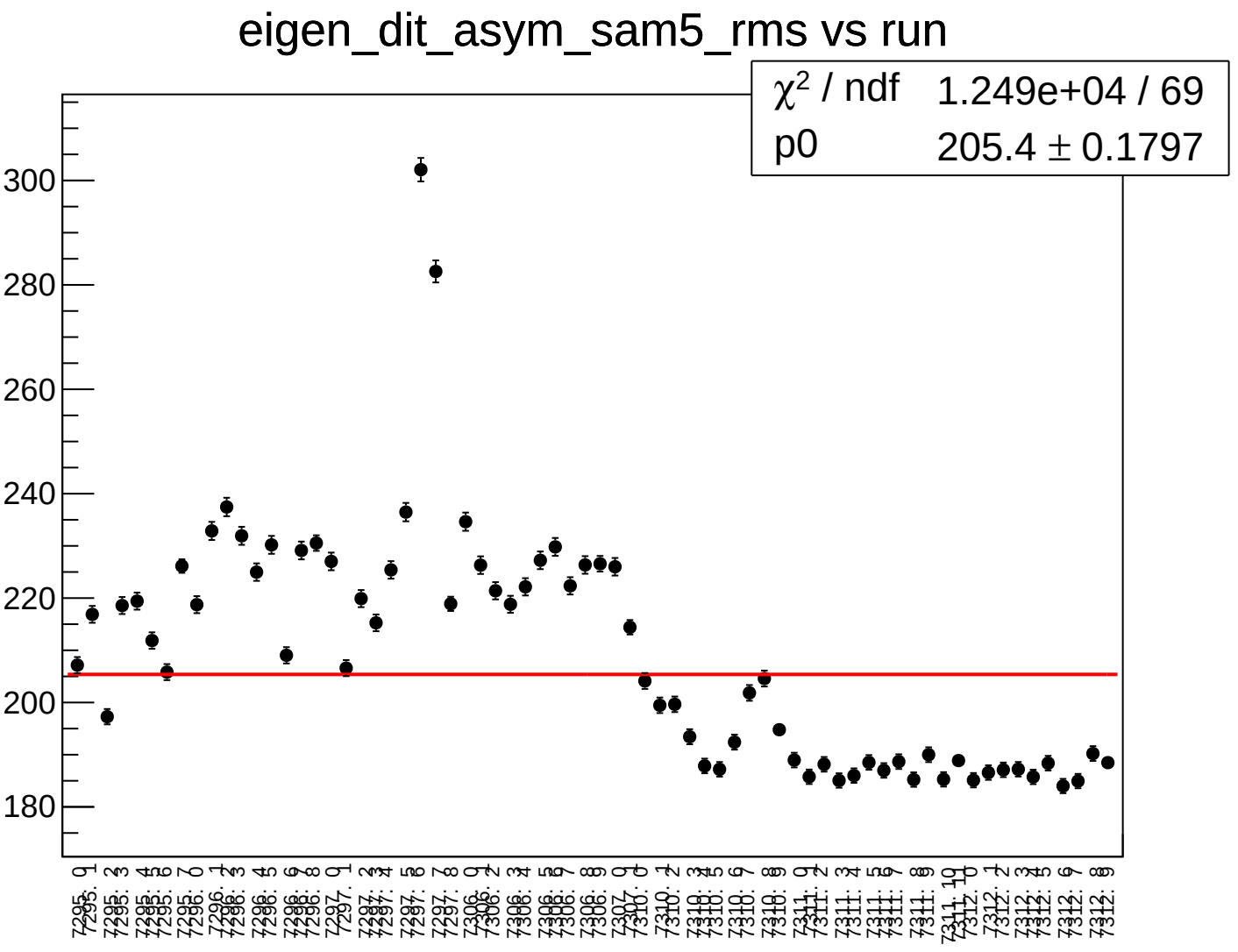

asym_sam5_dit_correction_mean vs run
χ² / ndf 56.22 / 69
p0 −779.3 ± 1266
pull
Entries 70
Mean −697.9
Std Dev 0

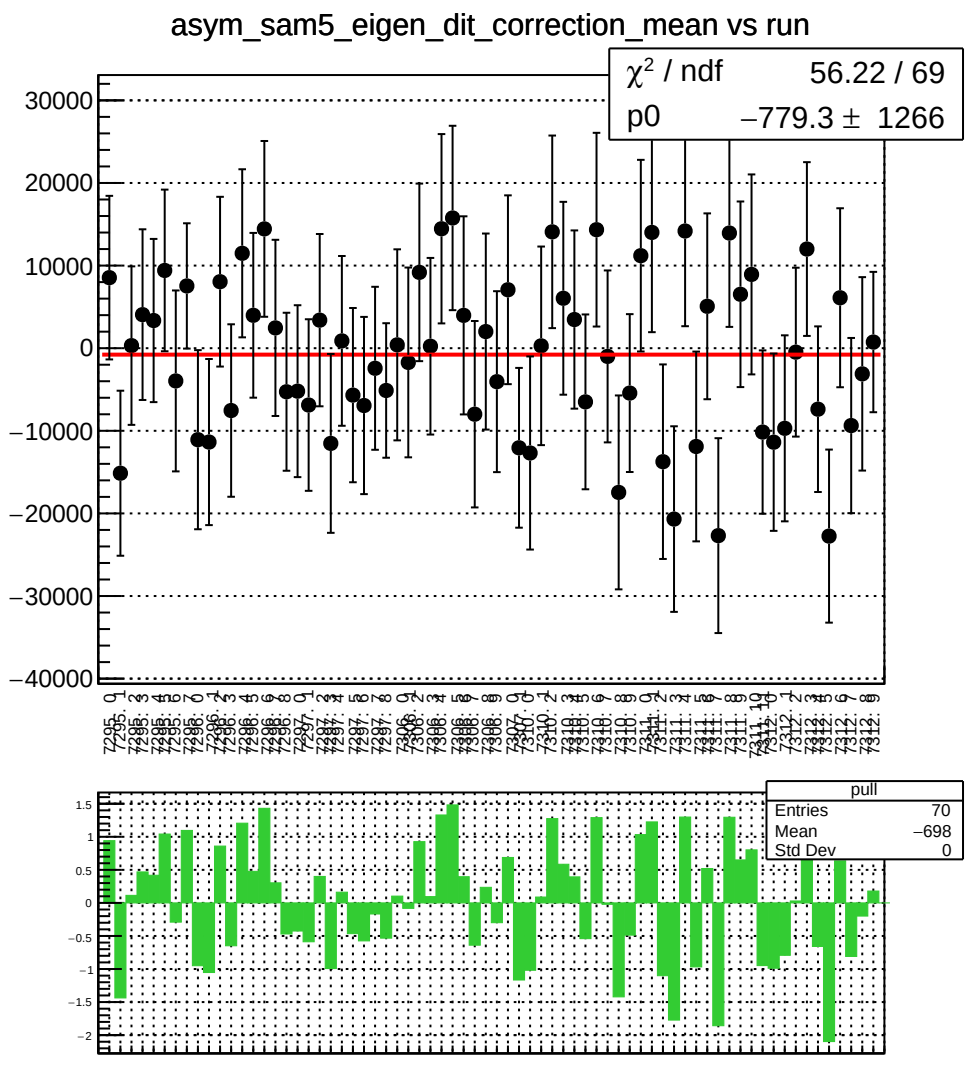

pull1D
Entries 70
Mean 0.003286
Std Dev 0.8962

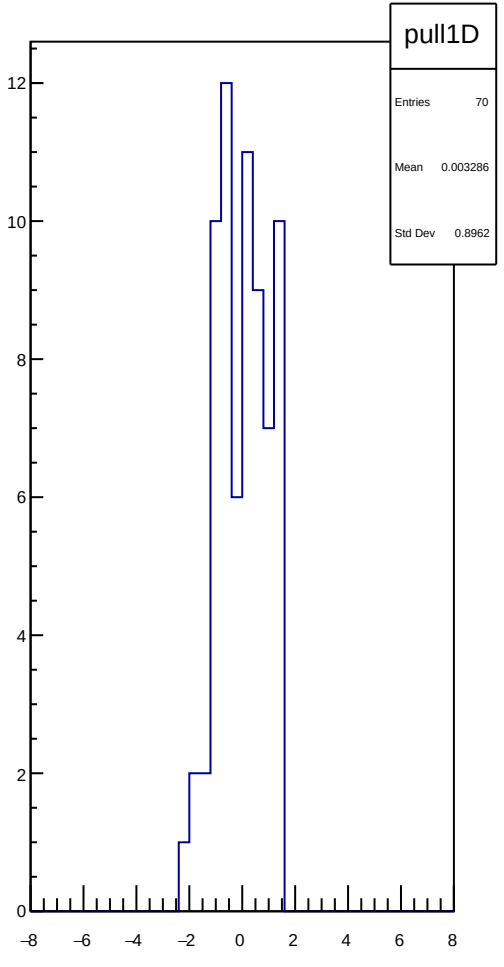

asym_sam5_dit_correction_rms vs run
χ² / ndf 5626 / 69
p0 1026 ± 0.8951
1200
1150
1100
1050
1000
950
900

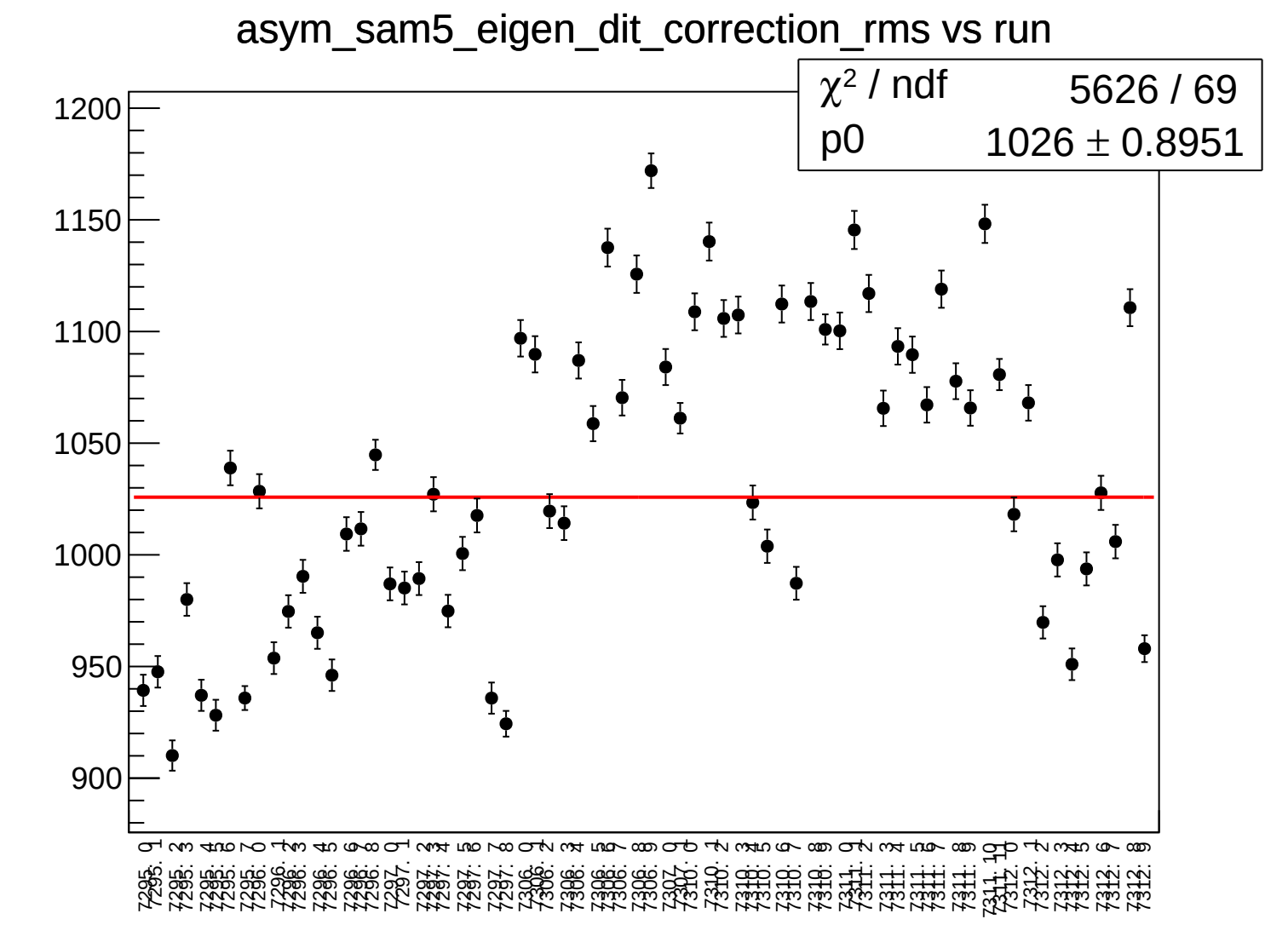

eigen_dit_asym_sam5_mean vs run
χ² / ndf 68.97 / 69
p0 −80.89 ± 254.1
pull
Entries 70
Mean 108.8
Std Dev 0

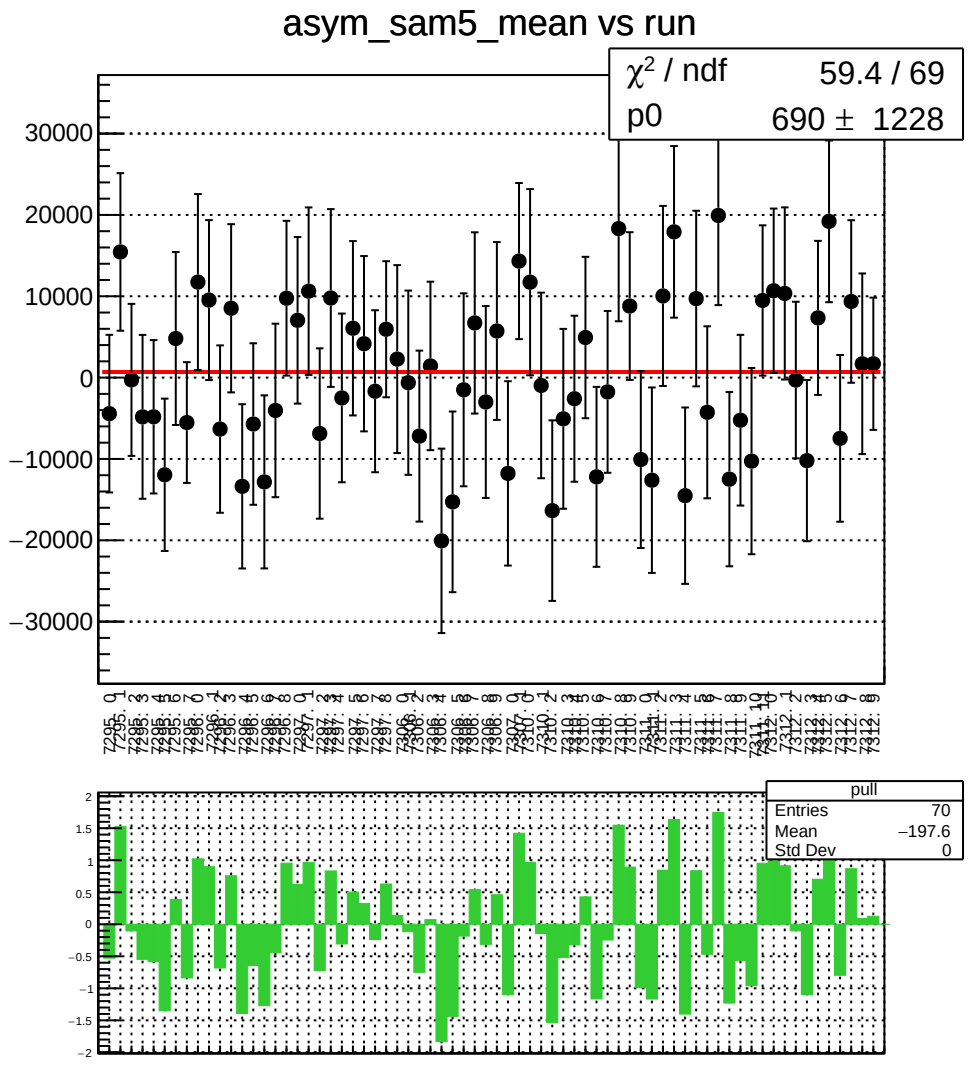

pull1D
Entries 70
Mean −0.02747
Std Dev 0.9922

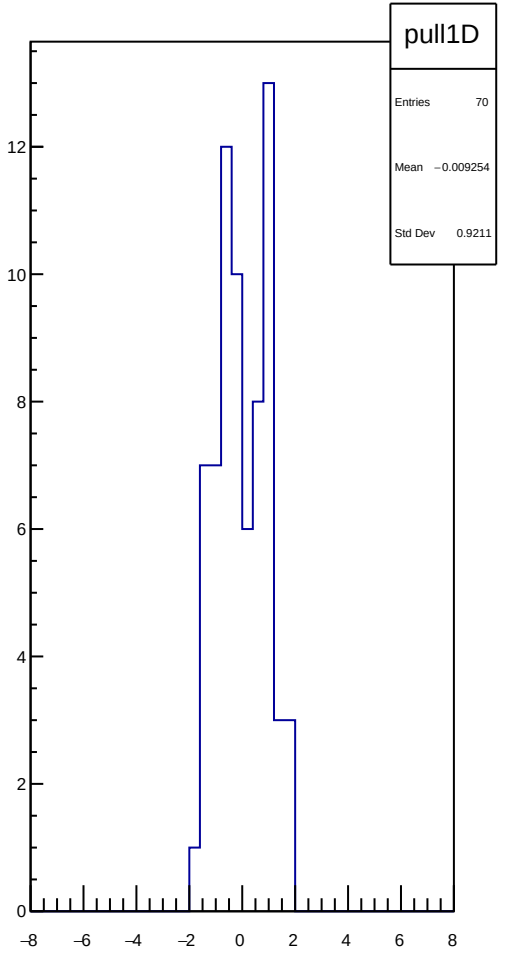

eigen_dit_asym_sam5_rms vs run
χ² / ndf 1.249e+04 / 69
p0 205.4 ± 0.1797
300
280
260
240
220
200
180

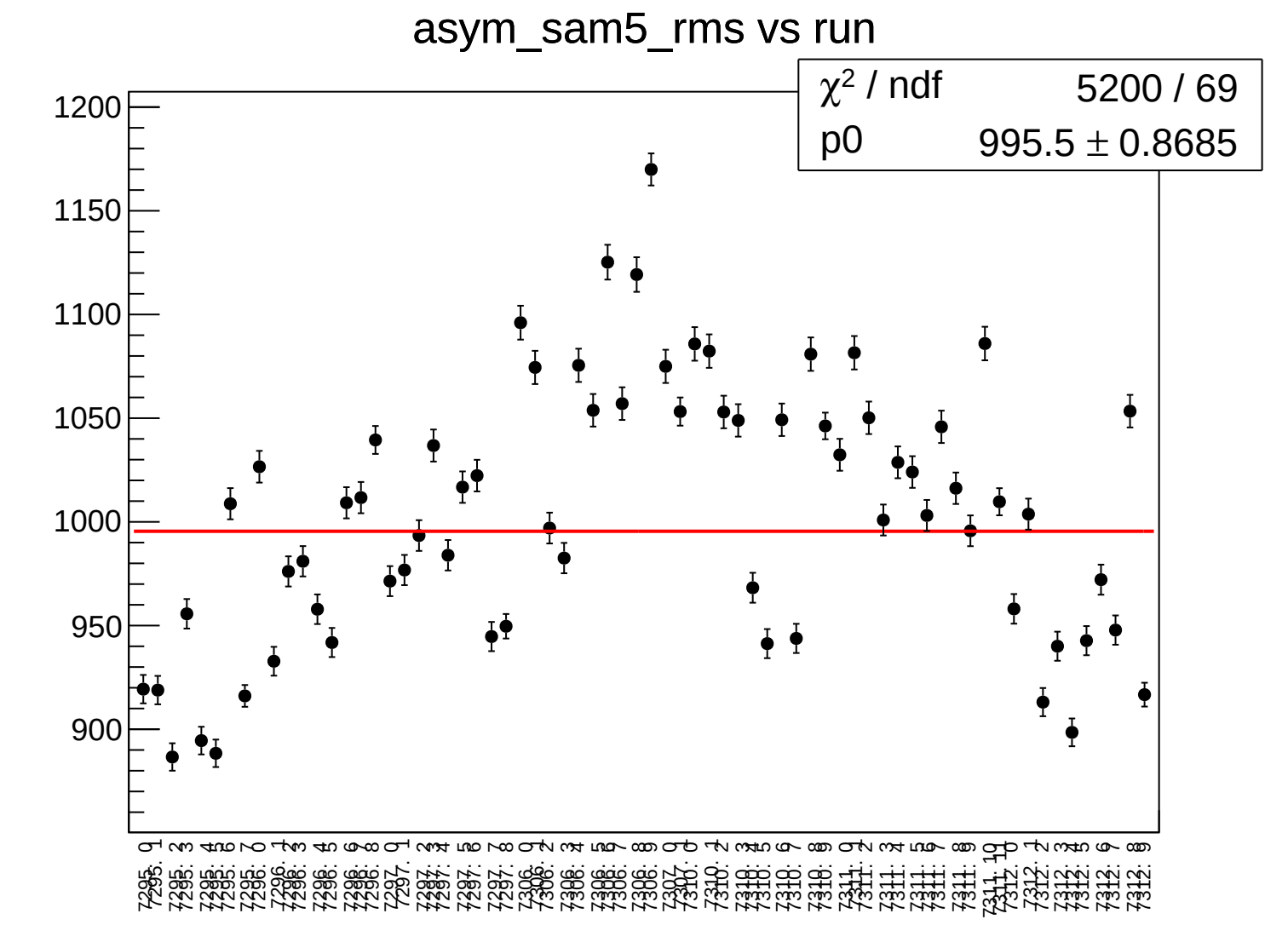

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 56.22 / 69
p0 −779.3 ± 1266
pull
Entries 70
Mean −698
Std Dev 0

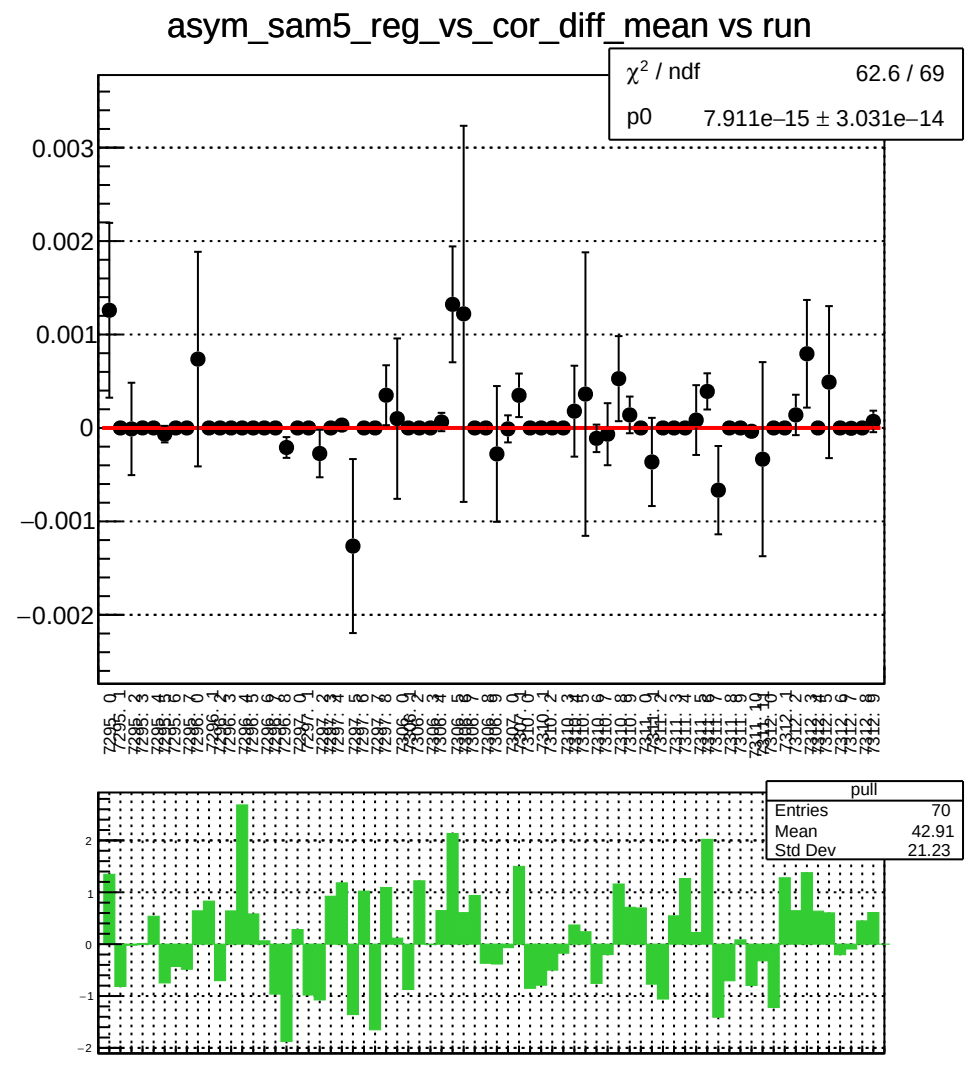

pull1D
Entries 70
Mean 0.003286
Std Dev 0.8962

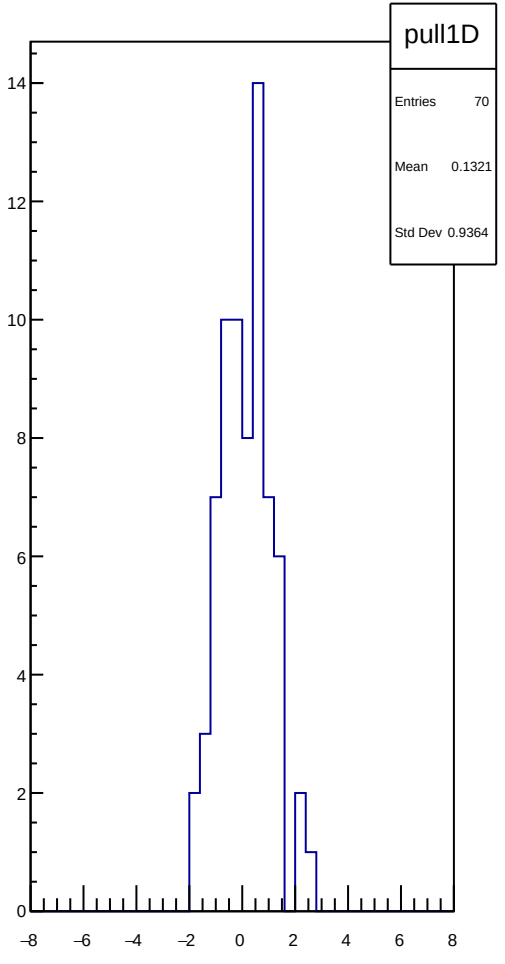

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5626 / 69
p0 1026 ± 0.8951
1200
1150
1100
1050
1000
950
900

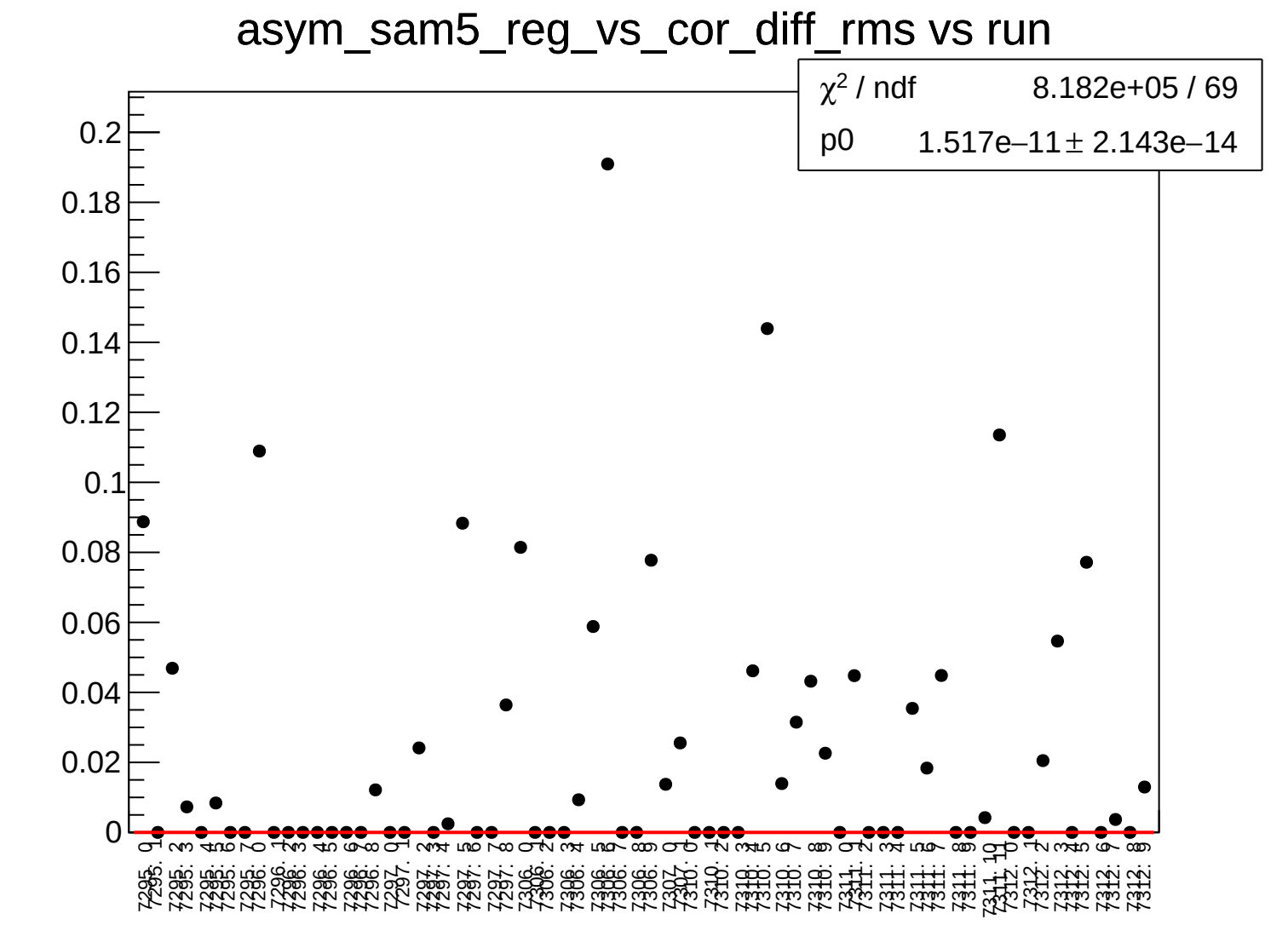

asym_sam5_mean vs run
χ² / ndf 59.4 / 69
p0 690 ± 1228
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean −197.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

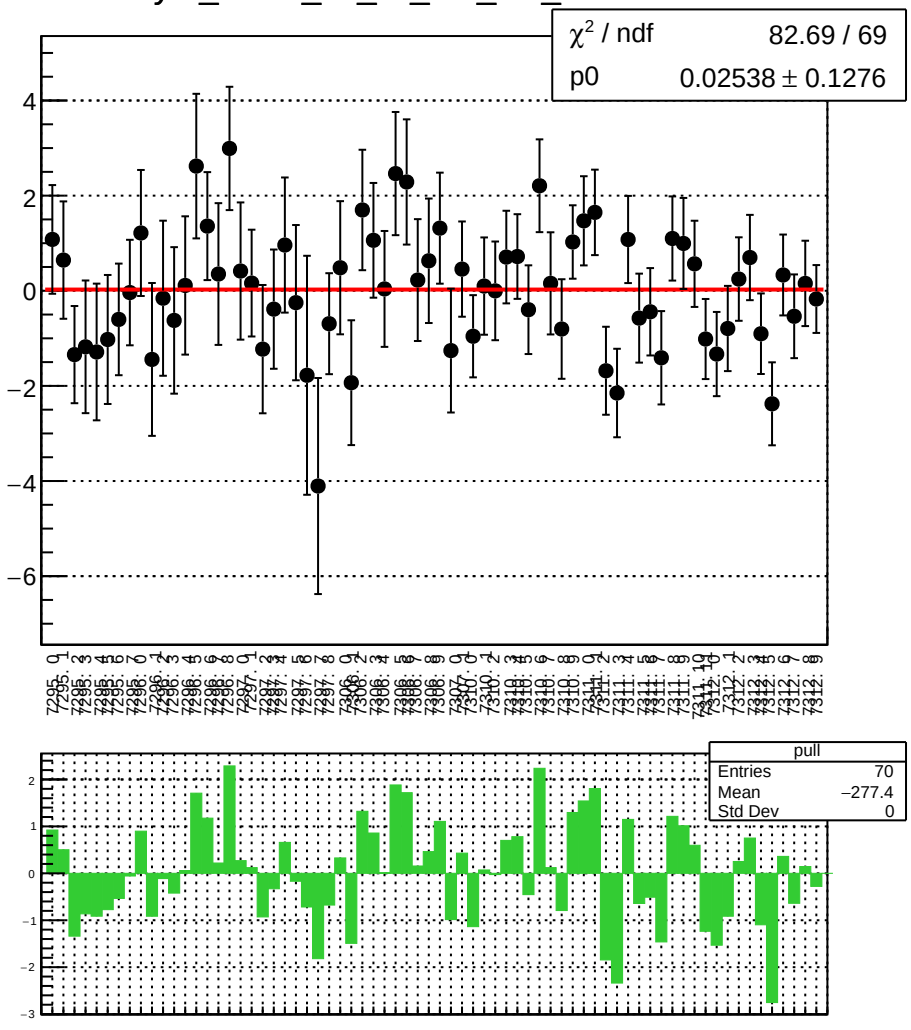

pull1D
Entries 70
Mean −0.009254
Std Dev 0.9211
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

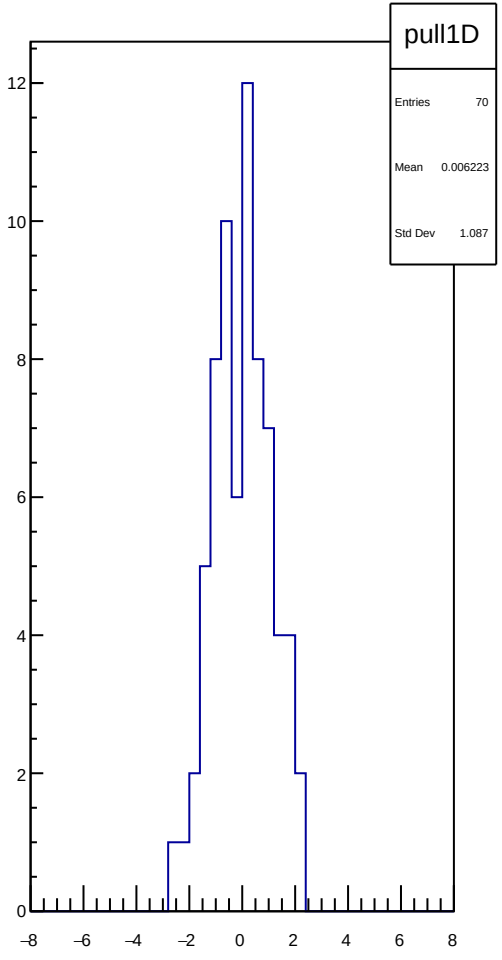

asym_sam5_rms vs run
χ² / ndf 5200 / 69
p0 995.5 ± 0.8685
1200
1150
1100
1050
1000
950
900

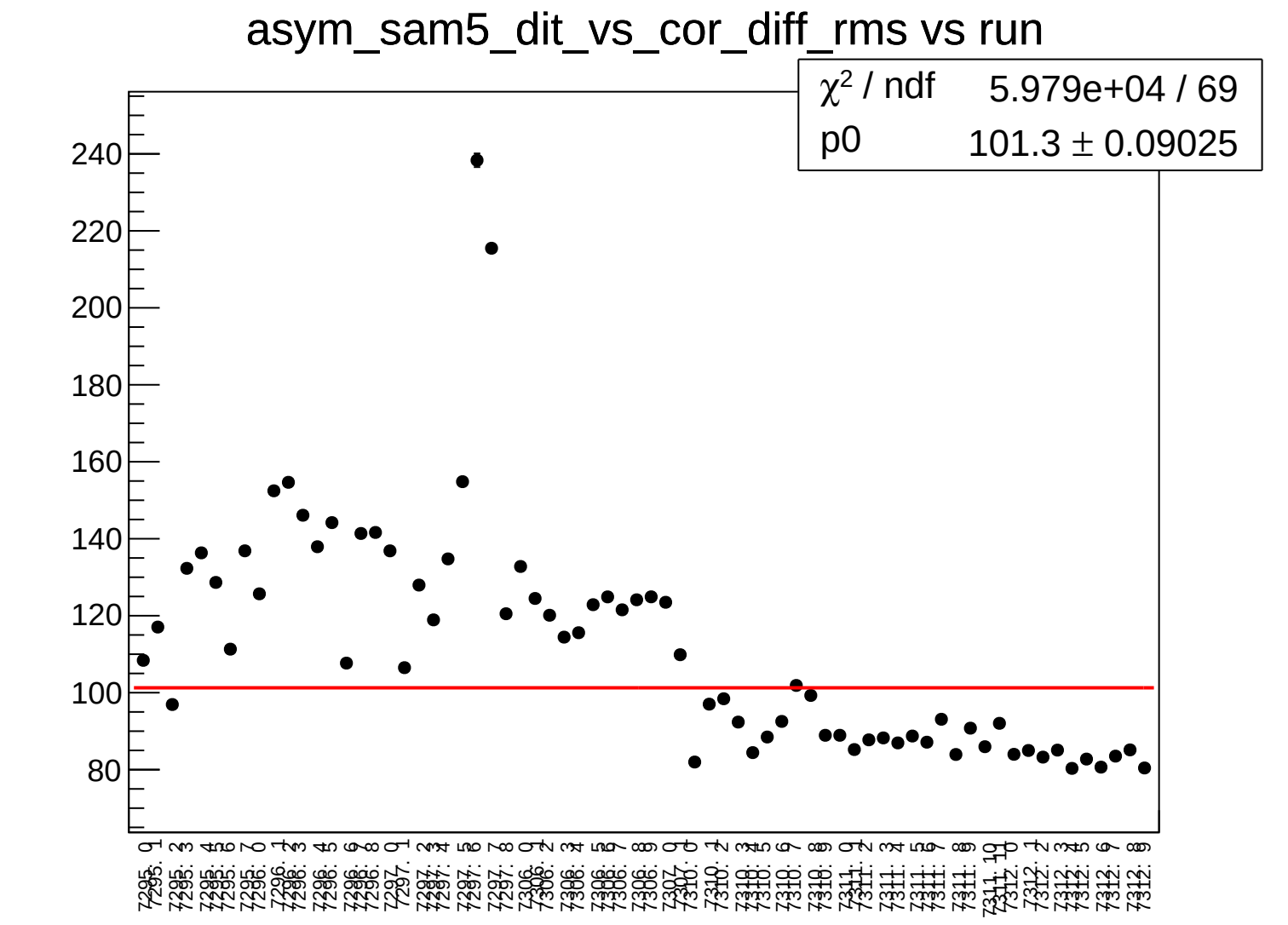

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 62.6 / 69
p0 7.911e−15 ± 3.031e−14
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 70
Mean 42.91
Std Dev 21.23
2
1
0
−1
−2

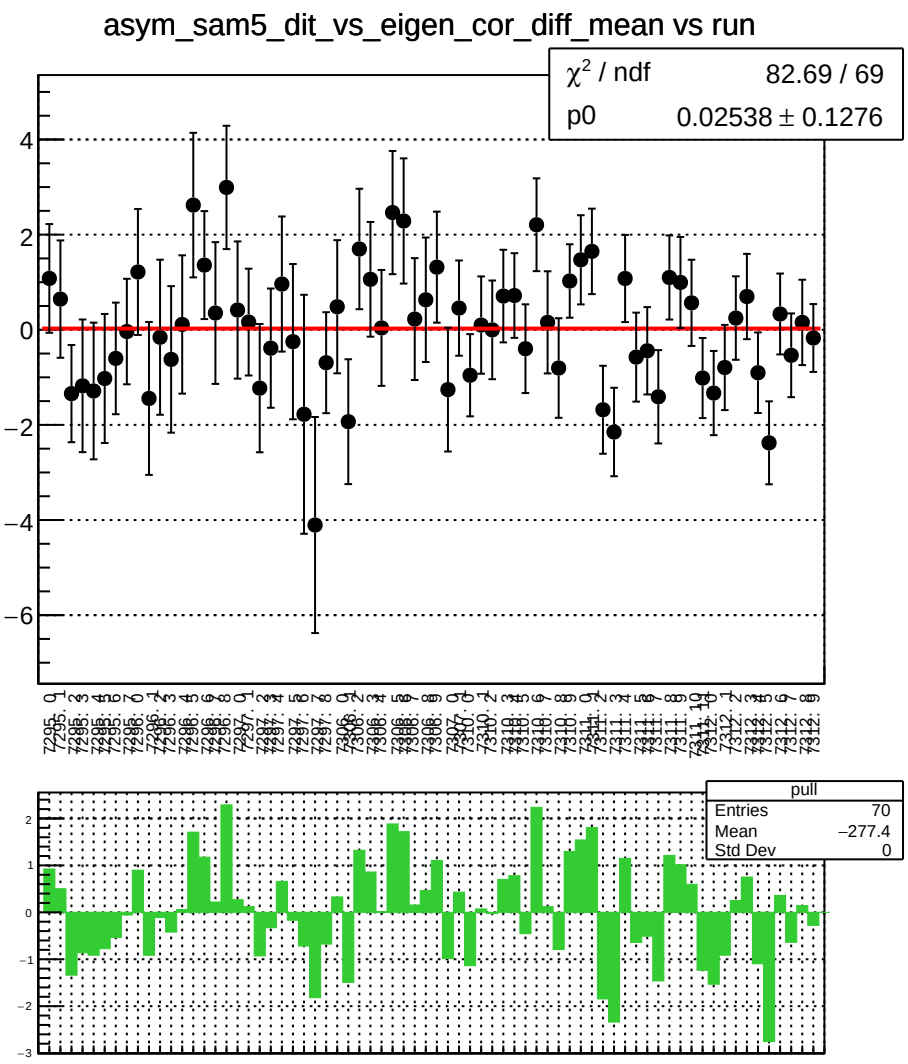

pull1D
Entries 70
Mean 0.1321
Std Dev 0.9364
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

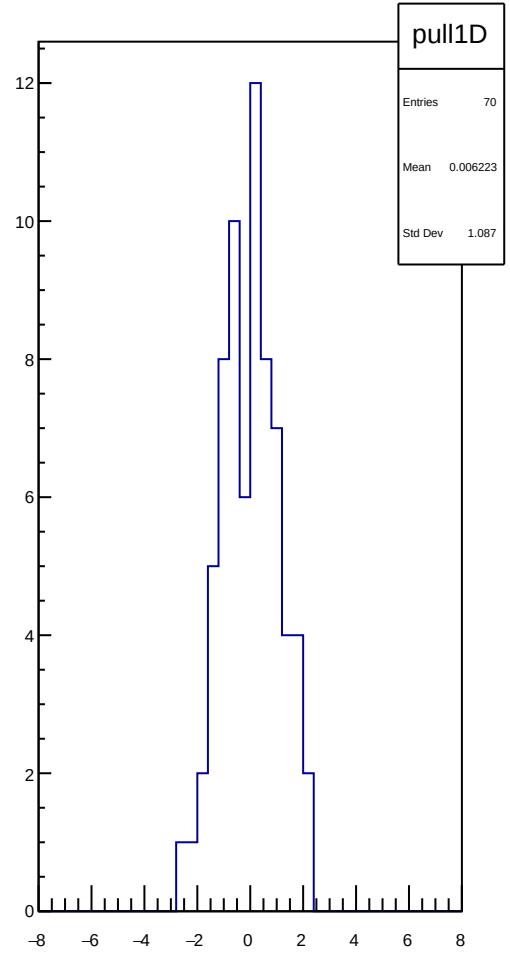

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 8.182e+05 / 69
p0 1.517e−11 ± 2.143e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

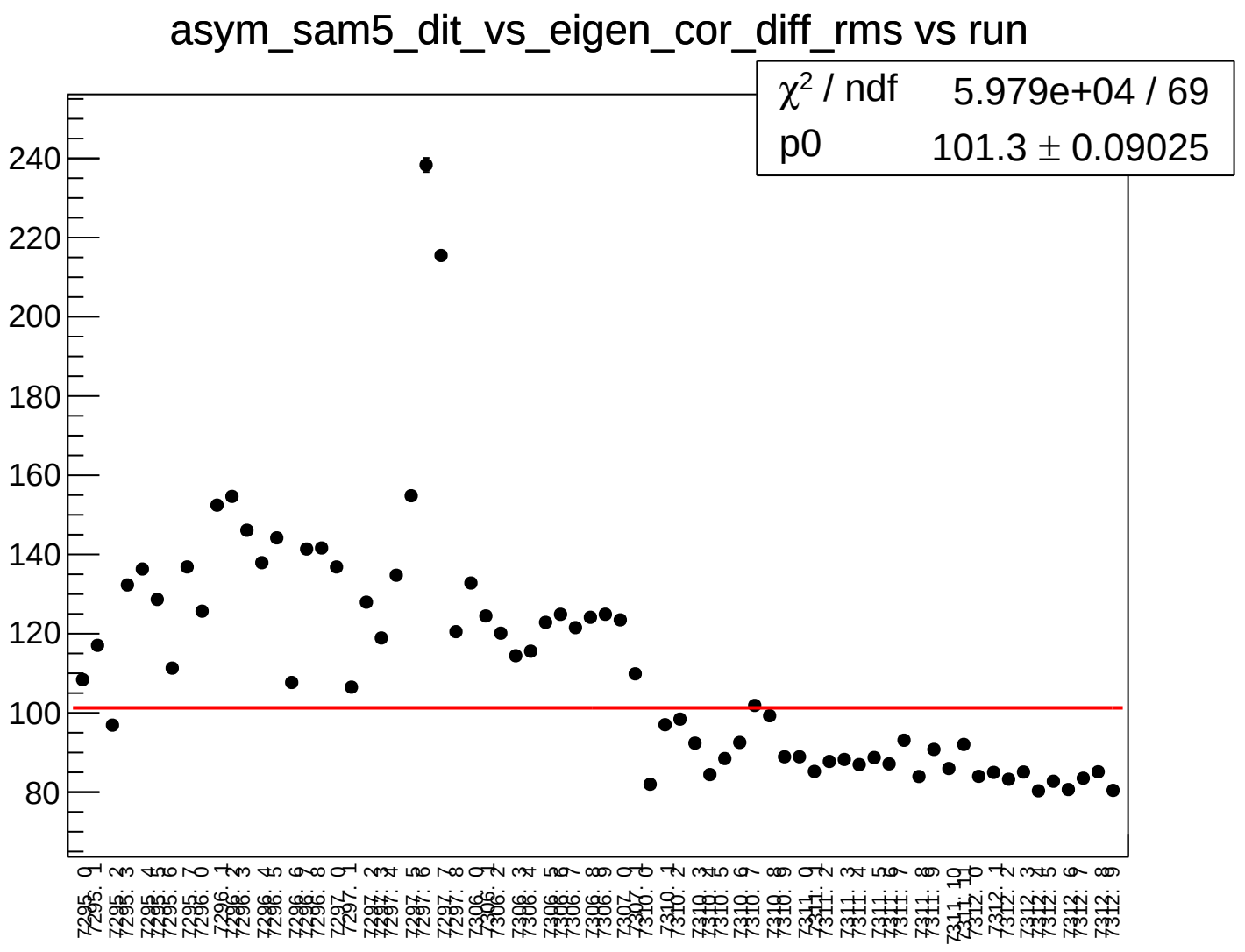

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 82.69 / 69
p0 0.02538 ± 0.1276
pull
Entries 70
Mean −277.4
Std Dev 0

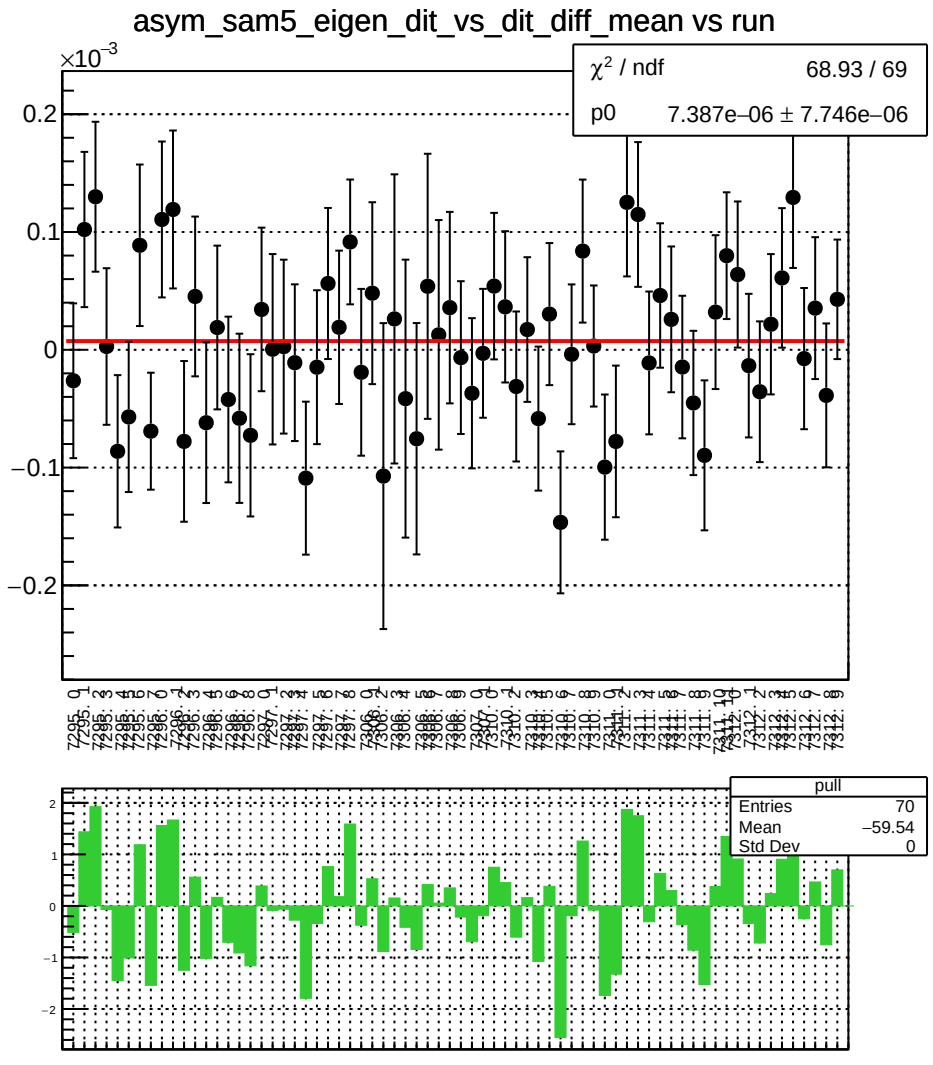

pull1D
Entries 70
Mean 0.006223
Std Dev 1.087

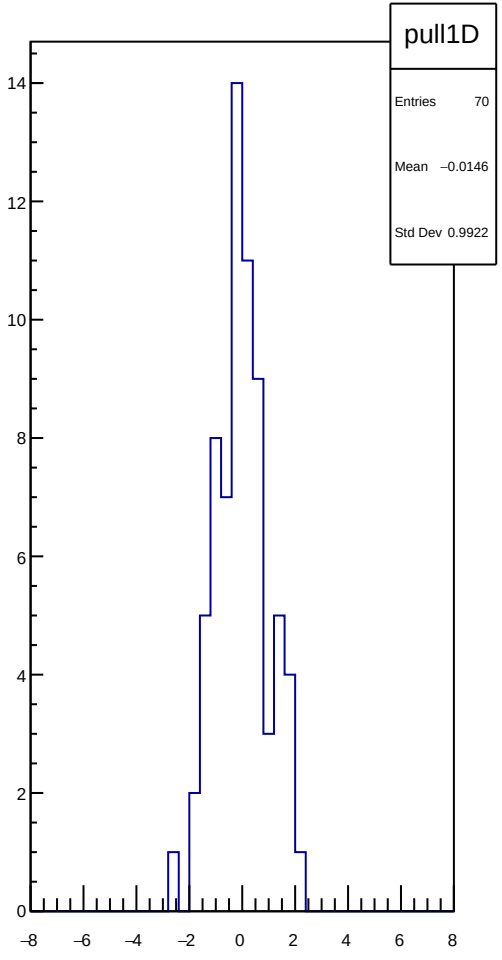

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 5.979e+04 / 69
p0 101.3 ± 0.09025
240
220
200
180
160
140
120
100
80

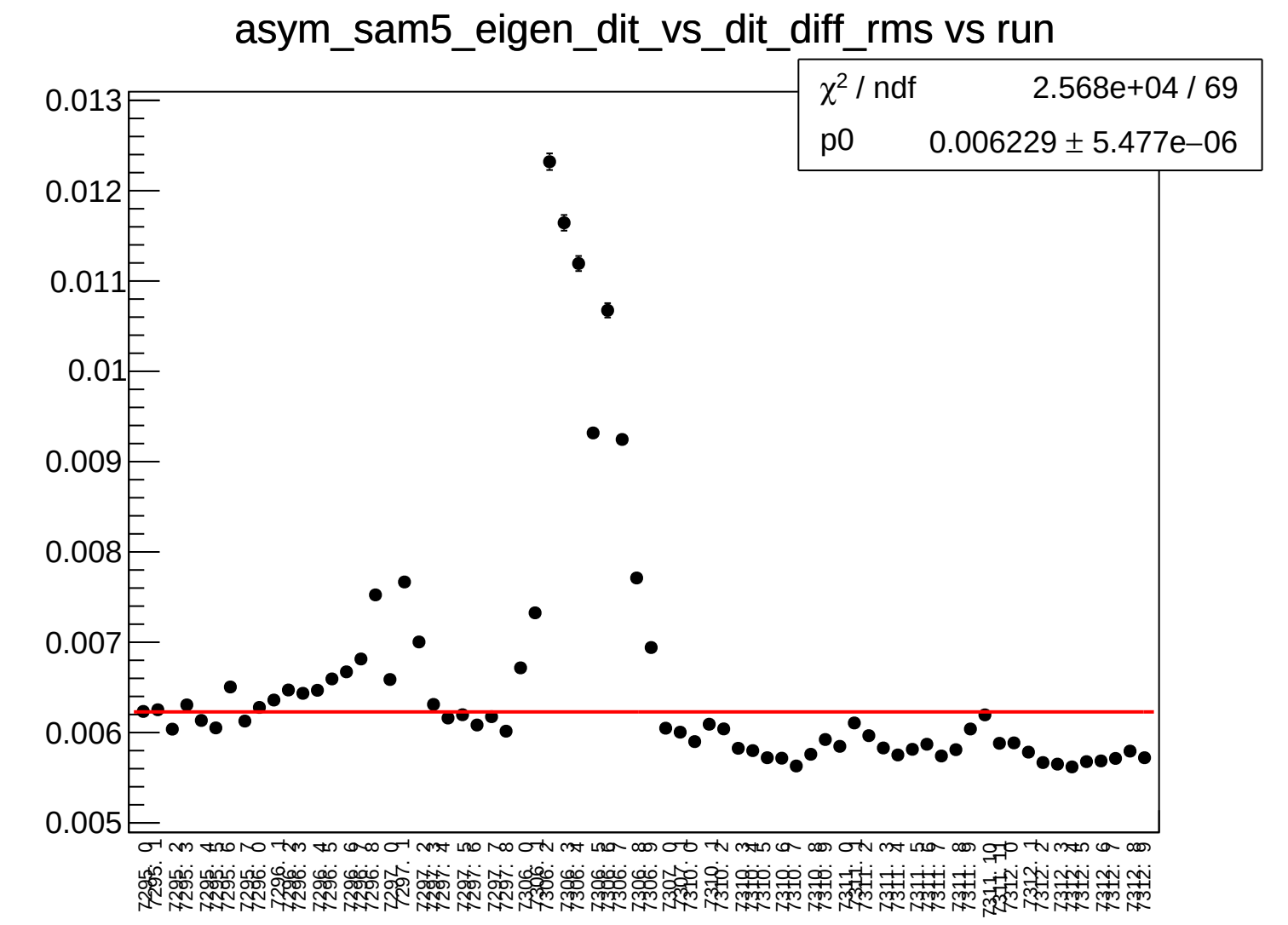

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.69 / 69
p0 0.02538 ± 0.1276
pull
Entries 70
Mean −277.4
Std Dev 0

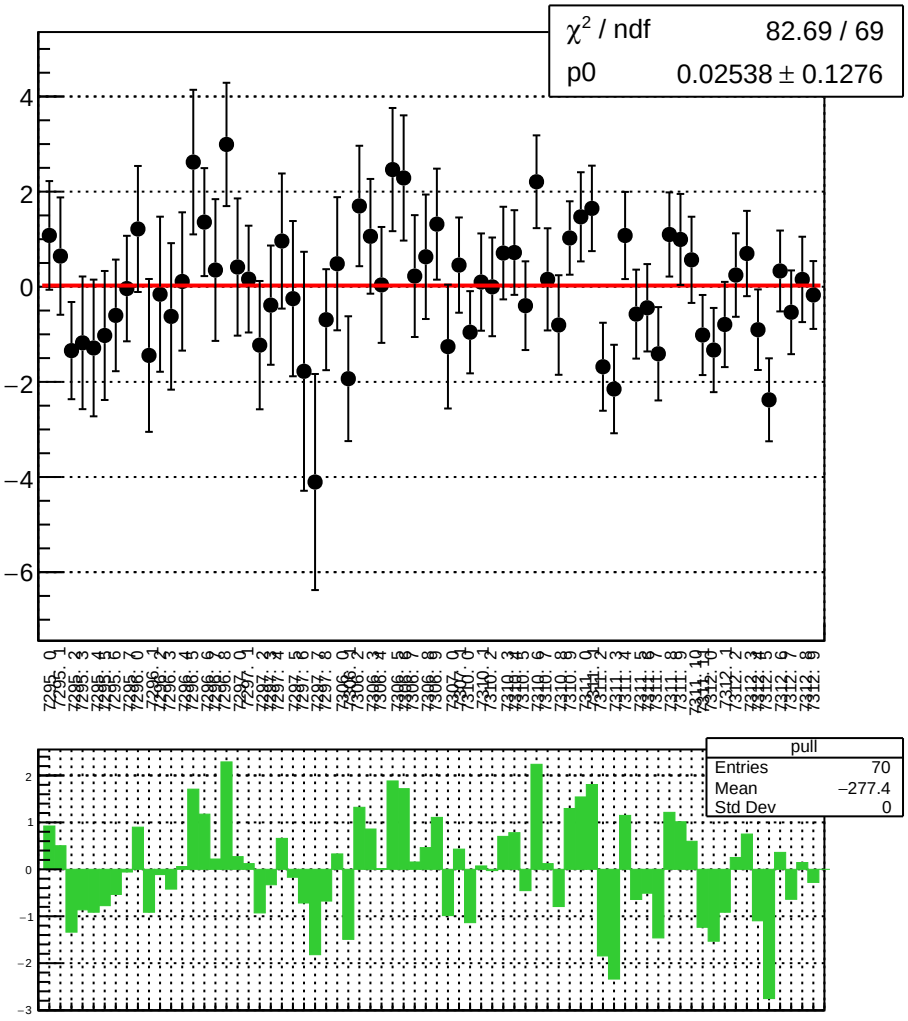

pull1D
Entries 70
Mean 0.006223
Std Dev 1.087

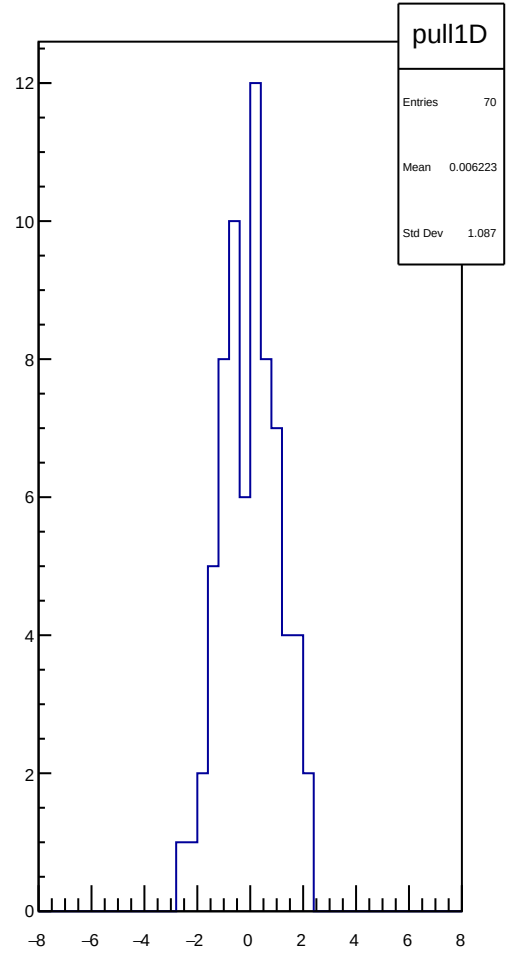

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.979e+04 / 69
p0 101.3 ± 0.09025
240
220
200
180
160
140
120
100
80

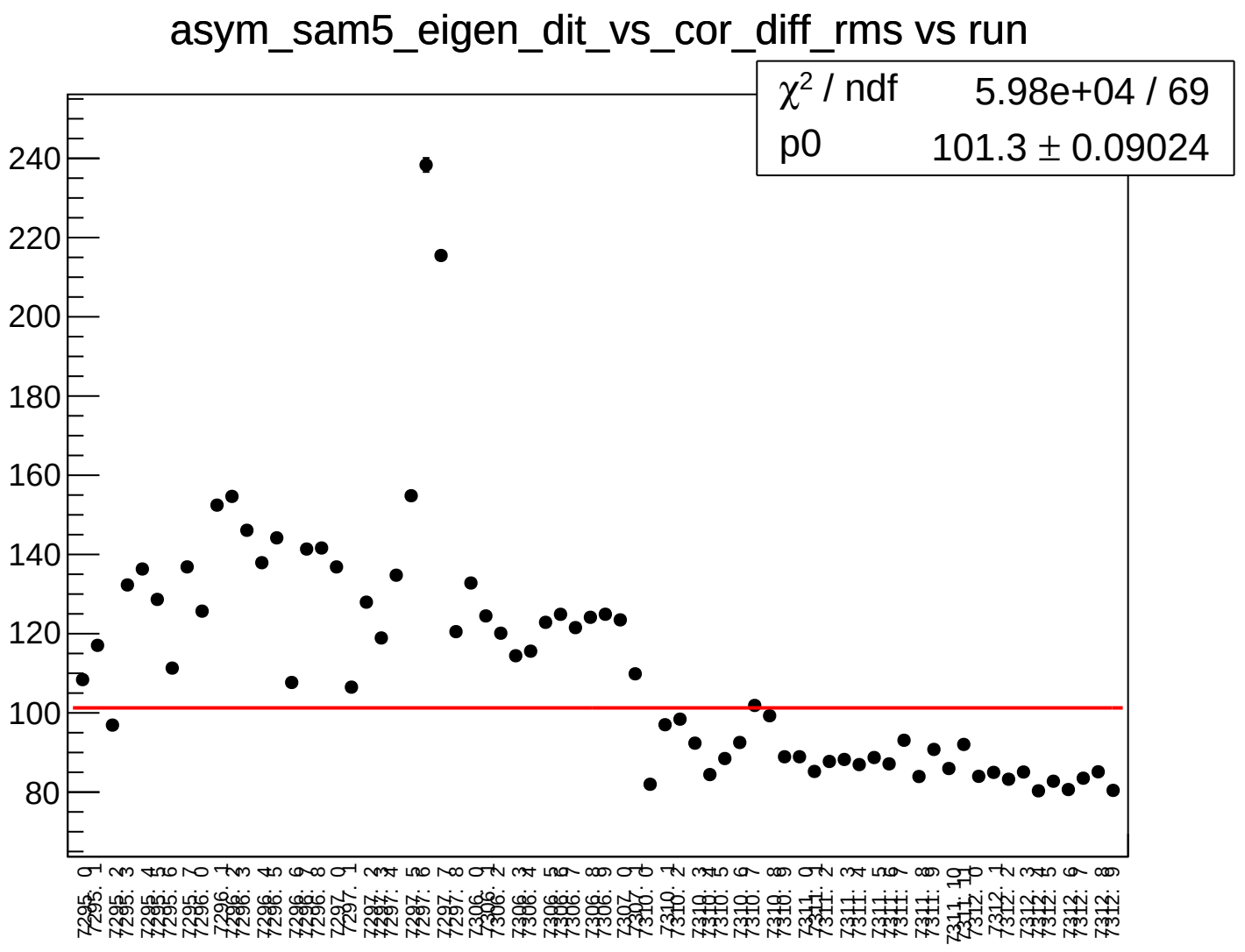

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.93 / 69
p0 7.387e−06 ± 7.746e−06
pull
Entries 70
Mean −59.54
Std Dev 0

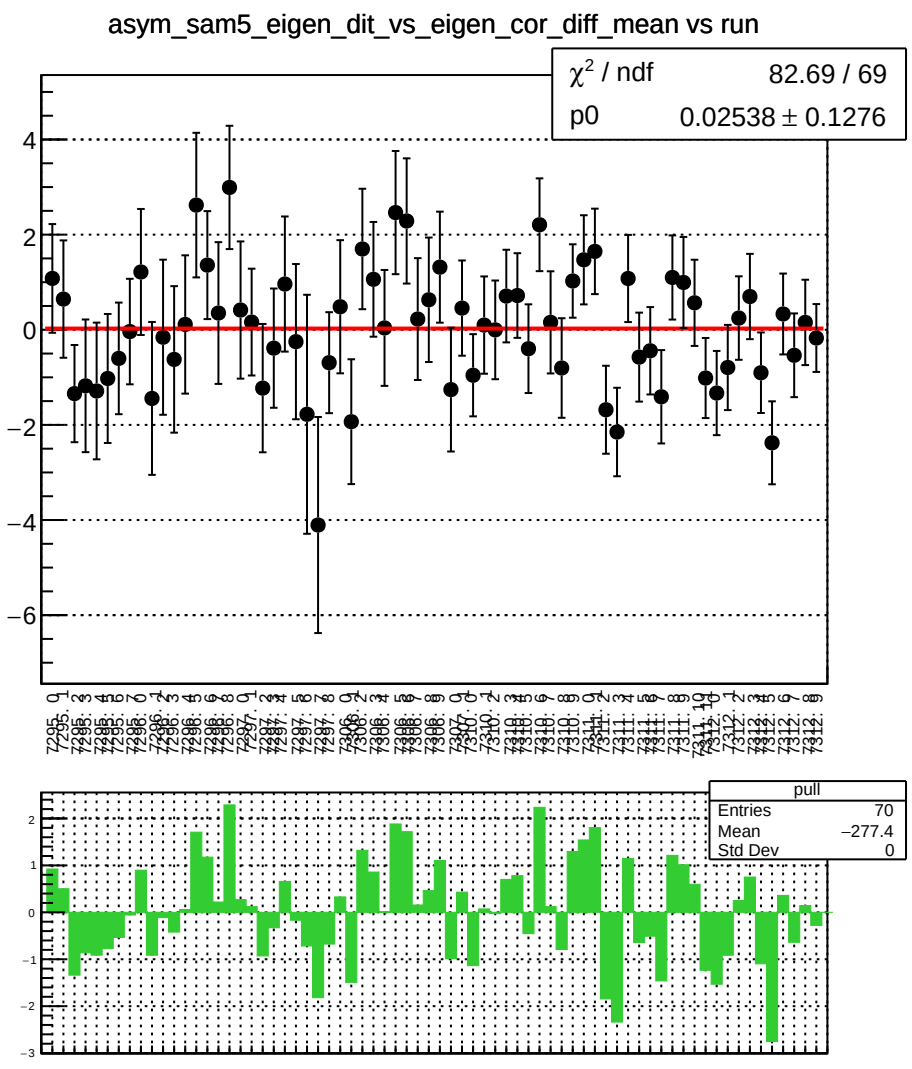

pull1D
Entries 70
Mean −0.0146
Std Dev 0.9922

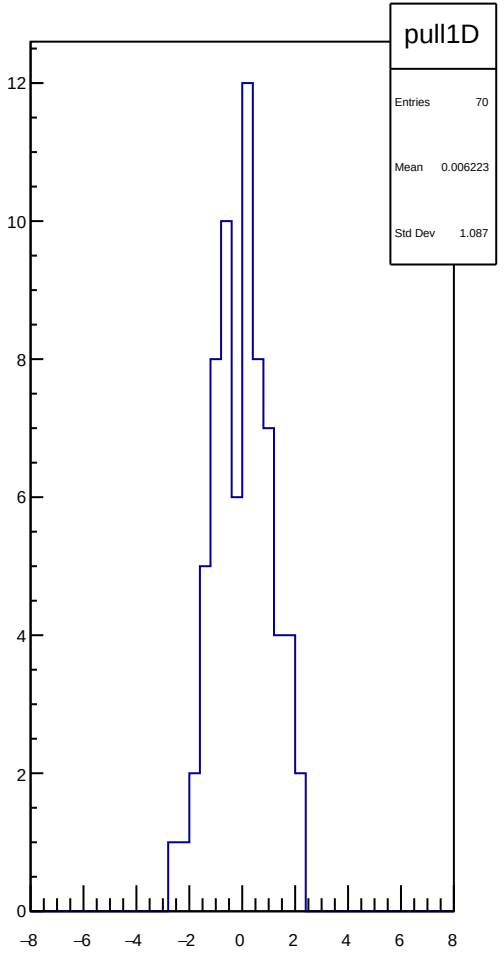

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.568e+04 / 69
p0 0.006229 ± 5.477e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

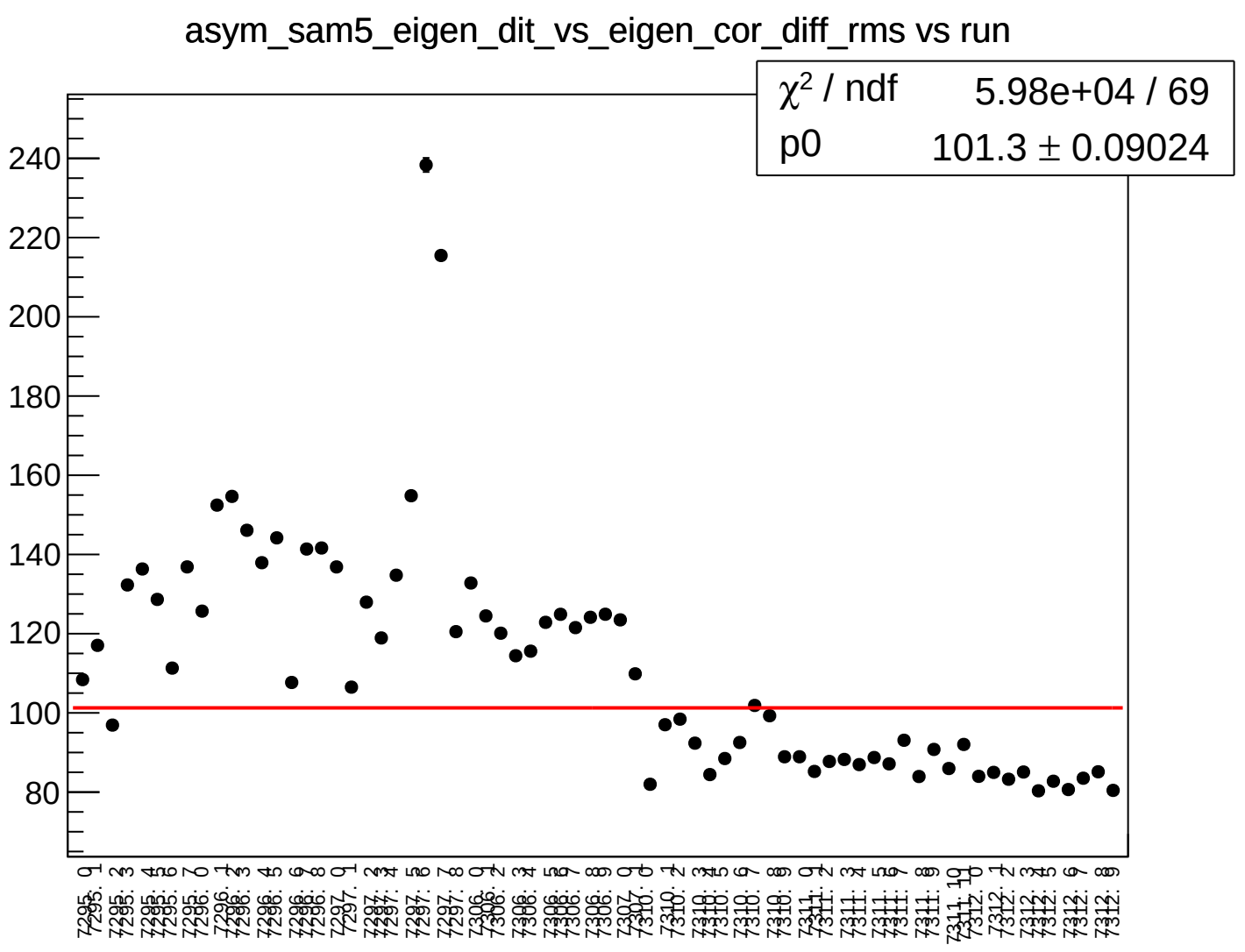

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.69 / 69
p0 0.02538 ± 0.1276
pull
Entries 70
Mean −277.4
Std Dev 0

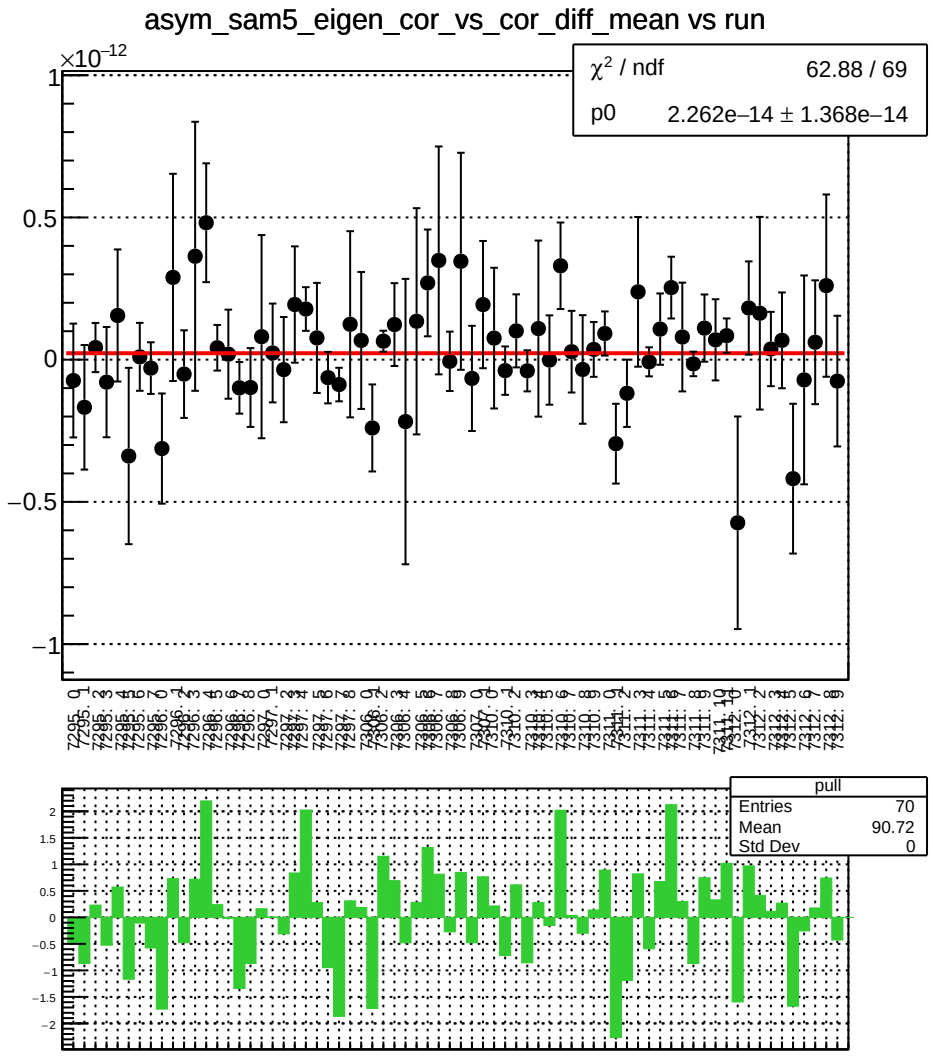

pull1D
Entries 70
Mean 0.006223
Std Dev 1.087

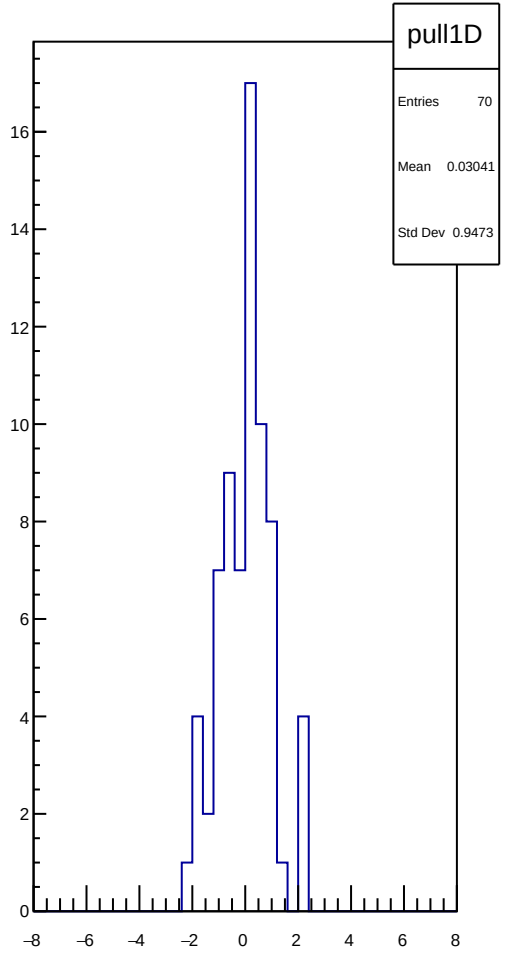

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.98e+04 / 69
p0 101.3 ± 0.09024
240
220
200
180
160
140
120
100
80

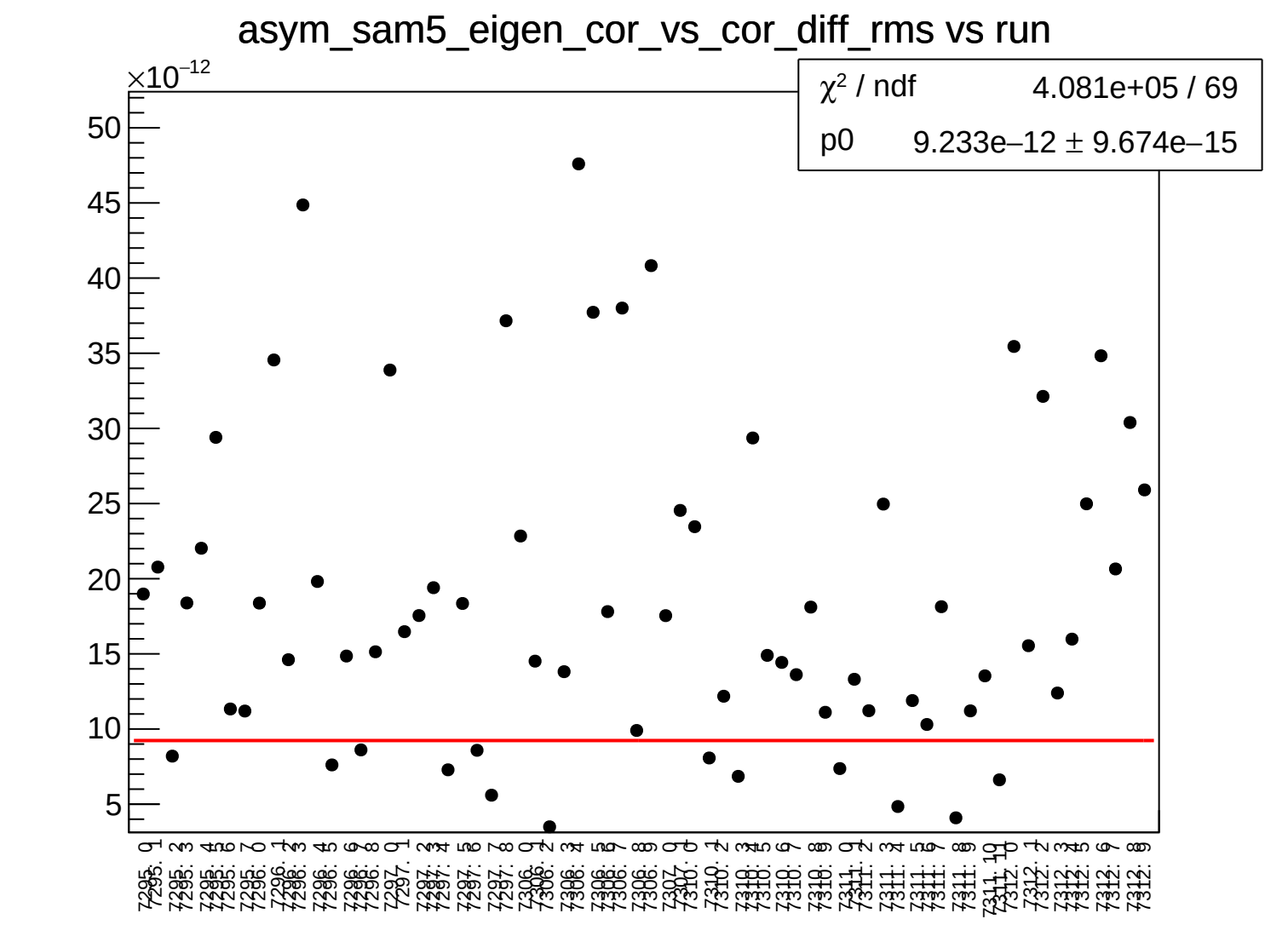

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 82.69 / 69
p0 0.02538 ± 0.1276
pull
Entries 70
Mean −277.4
Std Dev 0

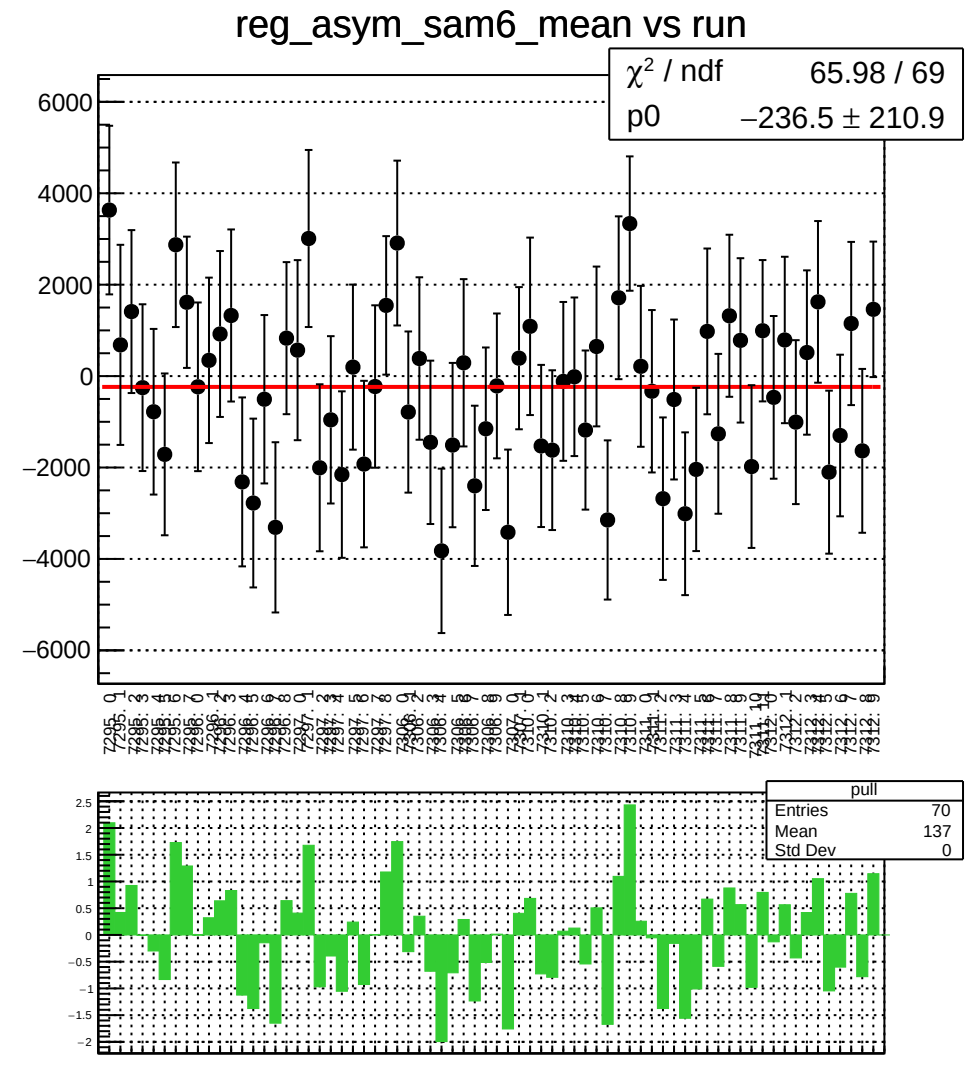

pull1D
Entries 70
Mean 0.006223
Std Dev 1.087

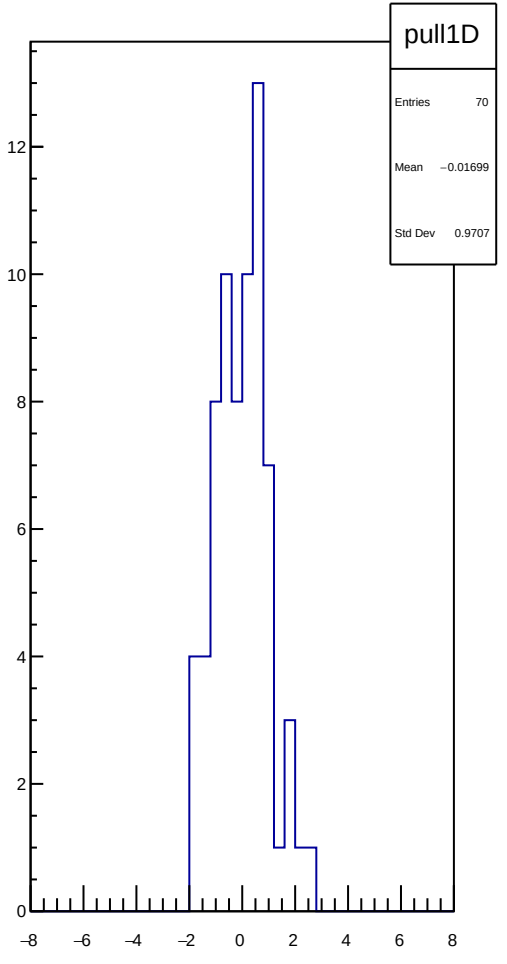

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.98e+04 / 69
p0 101.3 ± 0.09024
240
220
200
180
160
140
120
100
80

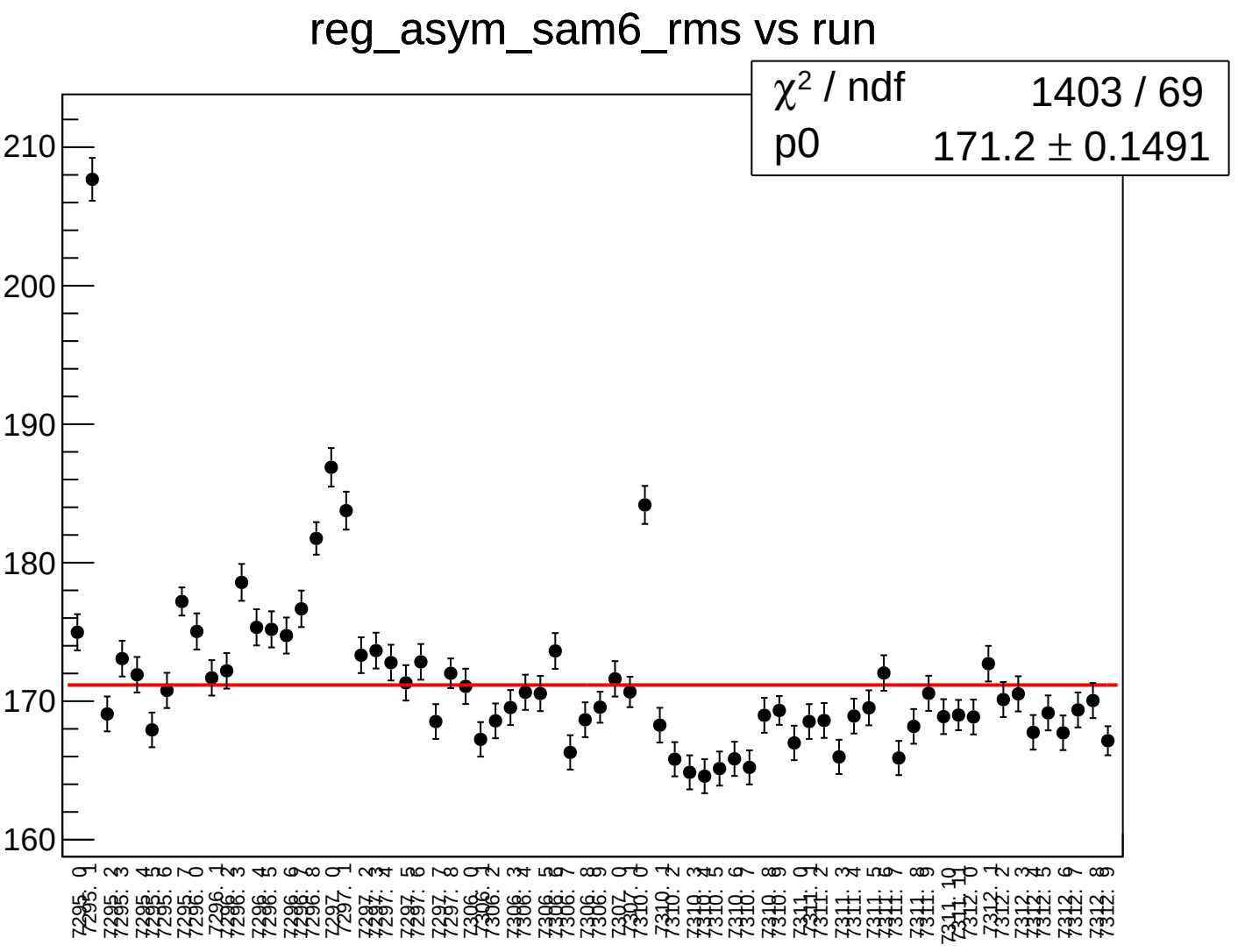

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.88 / 69
p0 2.262e−14 ± 1.368e−14
pull
Entries 70
Mean 90.72
Std Dev 0

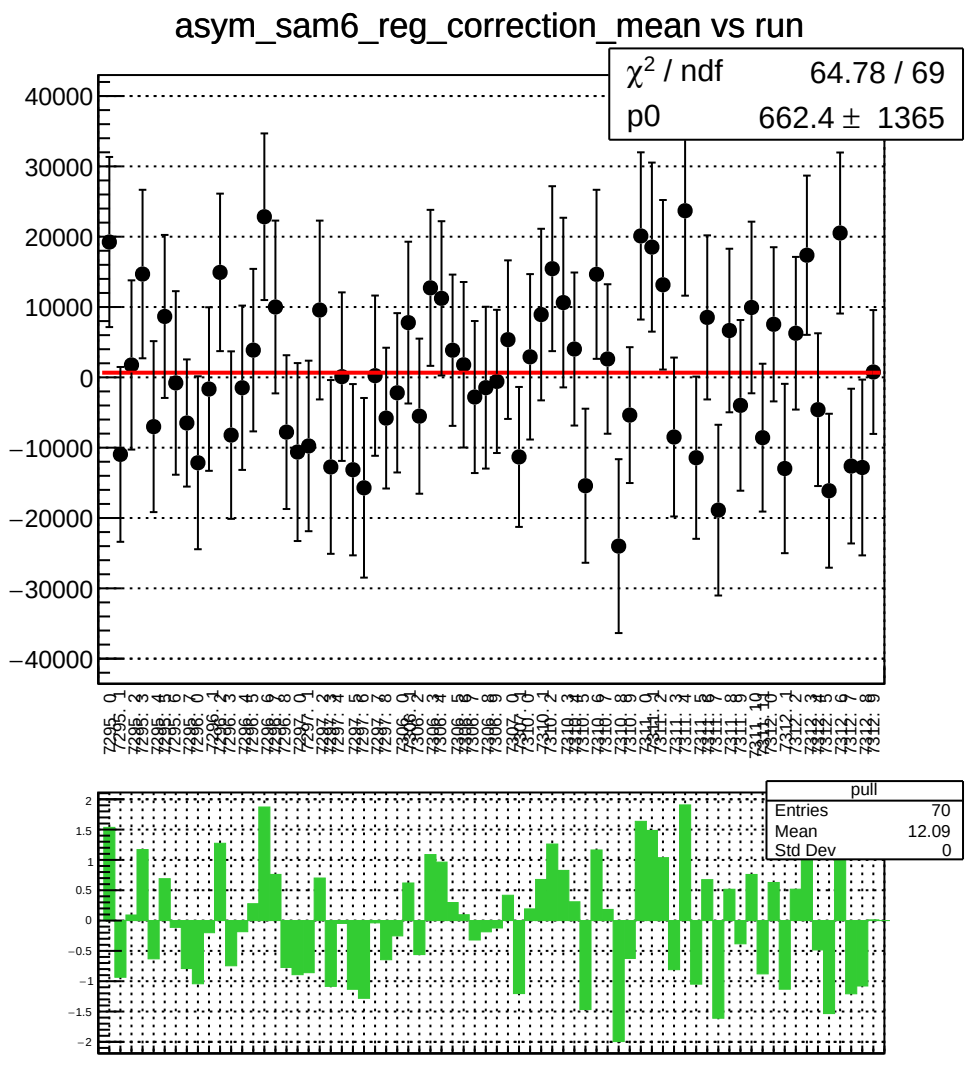

pull1D
Entries 70
Mean 0.03041
Std Dev 0.9473

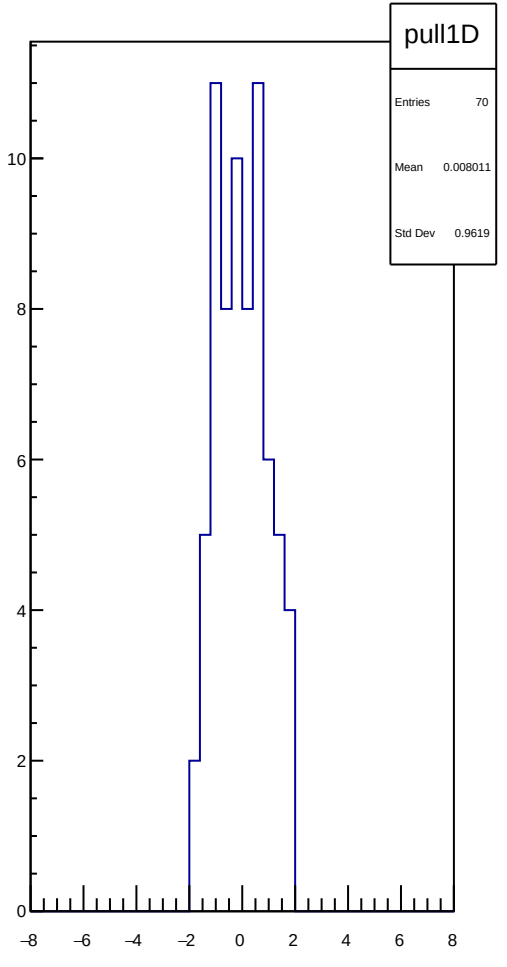

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.081e+05 / 69
p0 9.233e−12 ± 9.674e−15
50
45
40
35
30
25
20
15
10
5

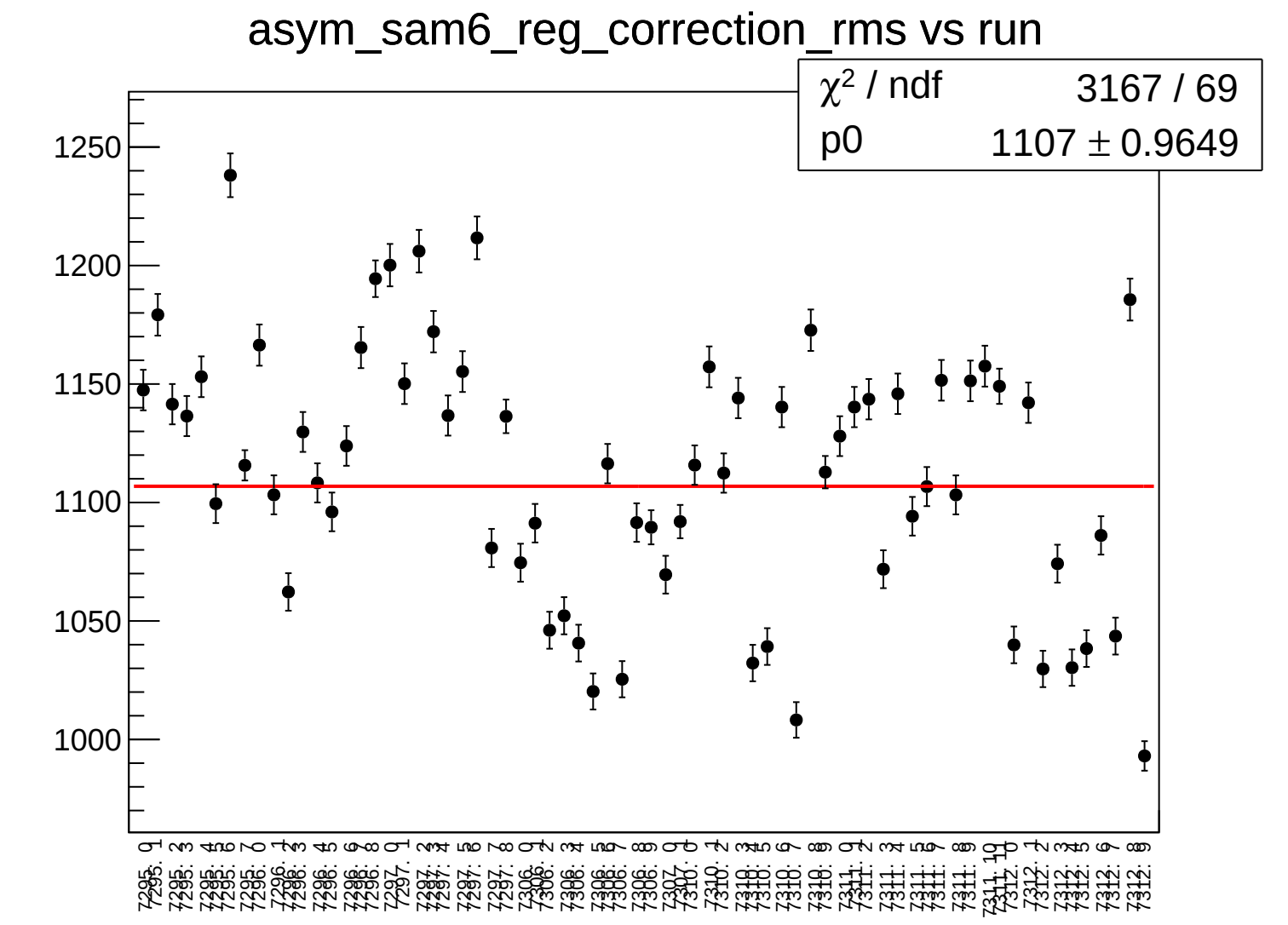

reg_asym_sam6_mean vs run
χ² / ndf 65.98 / 69
p0 −236.5 ± 210.9
pull
Entries 70
Mean 137
Std Dev 0

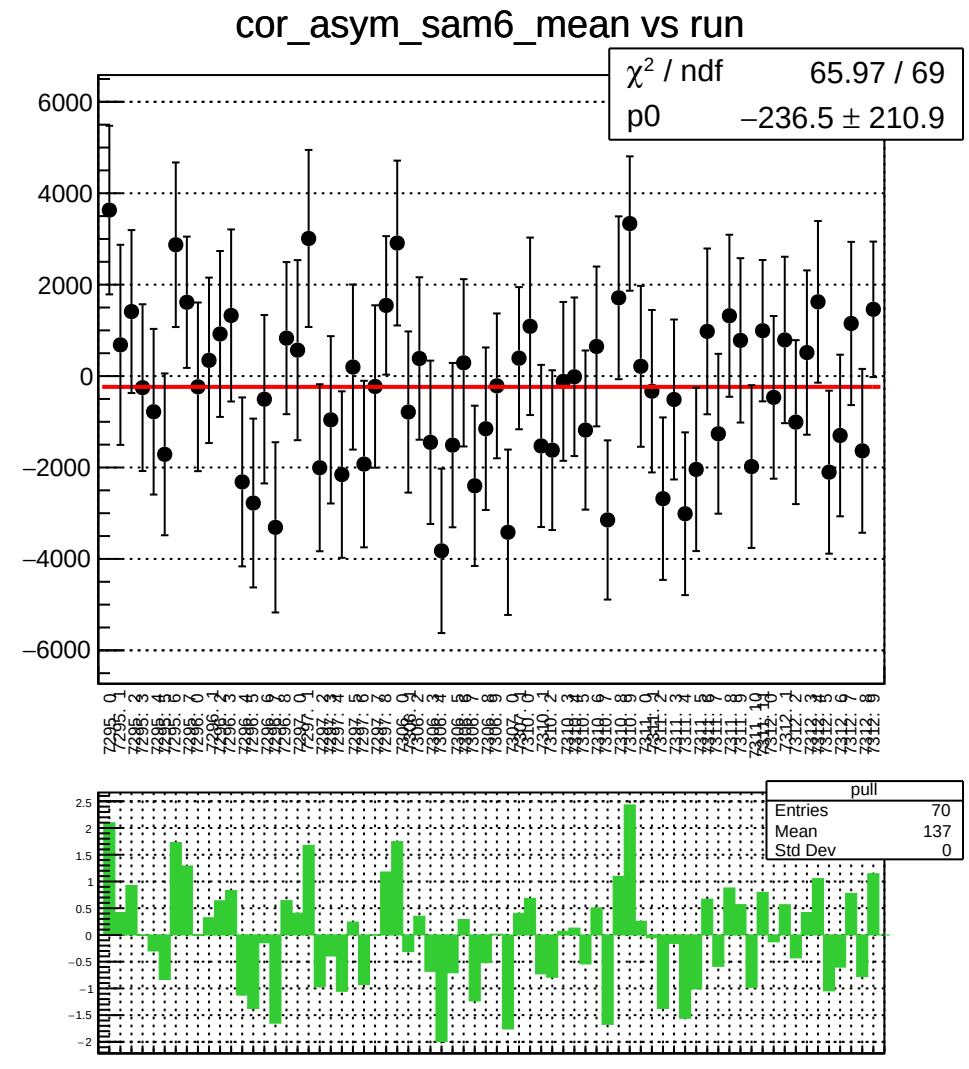

pull1D
Entries 70
Mean −0.01699
Std Dev 0.9707

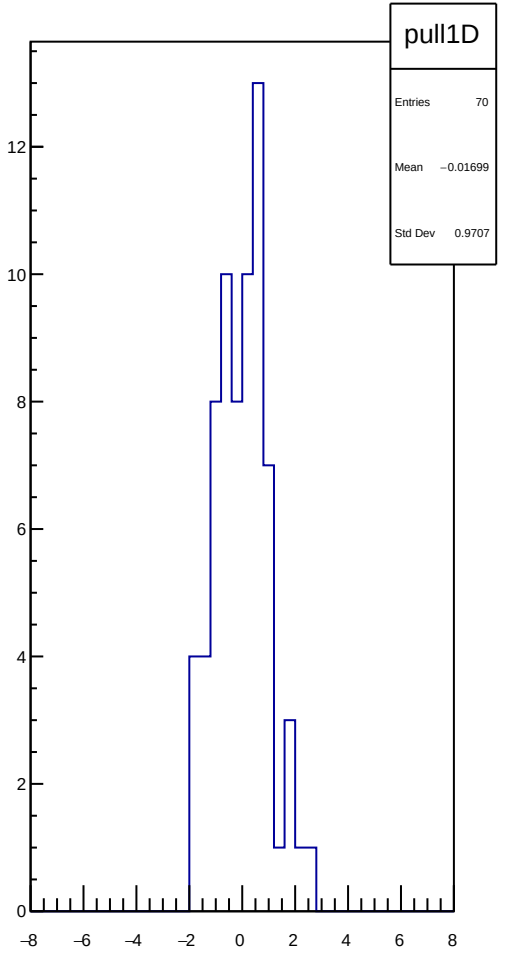

reg_asym_sam6_rms vs run
χ² / ndf 1403 / 69
p0 171.2 ± 0.1491
210
200
190
180
170
160

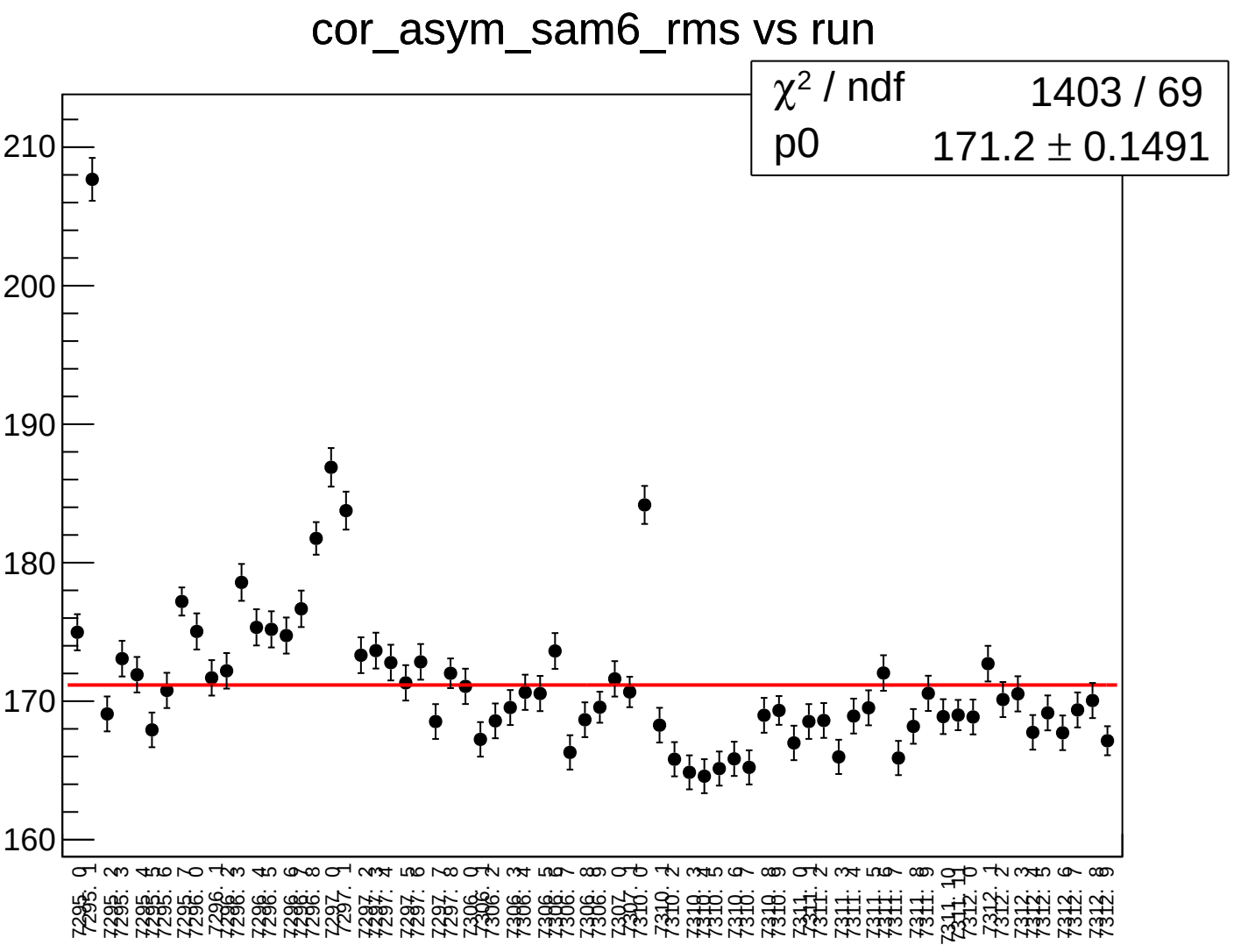

asym_sam6_reg_correction_mean vs run
χ² / ndf 64.78 / 69
p0 662.4 ± 1365
pull
Entries 70
Mean 12.09
Std Dev 0

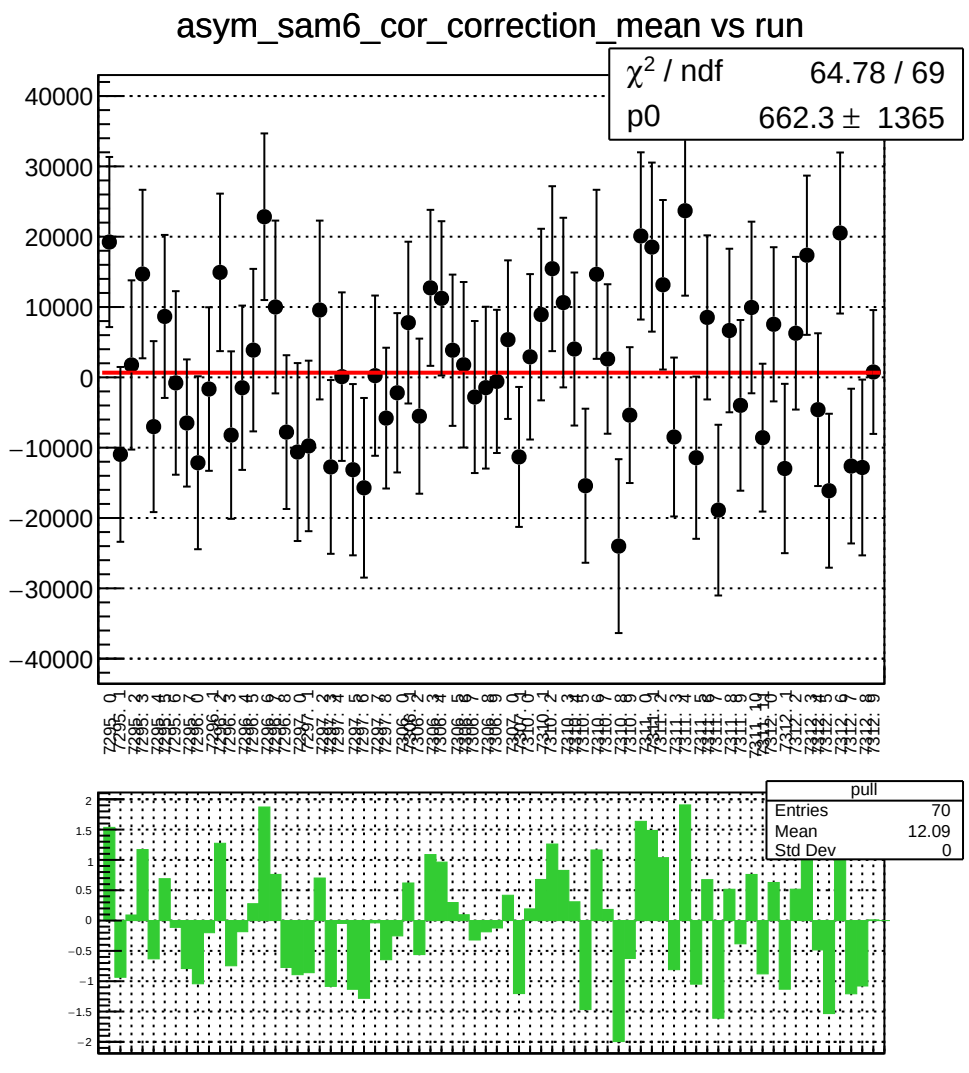

pull1D
Entries 70
Mean 0.008011
Std Dev 0.9619

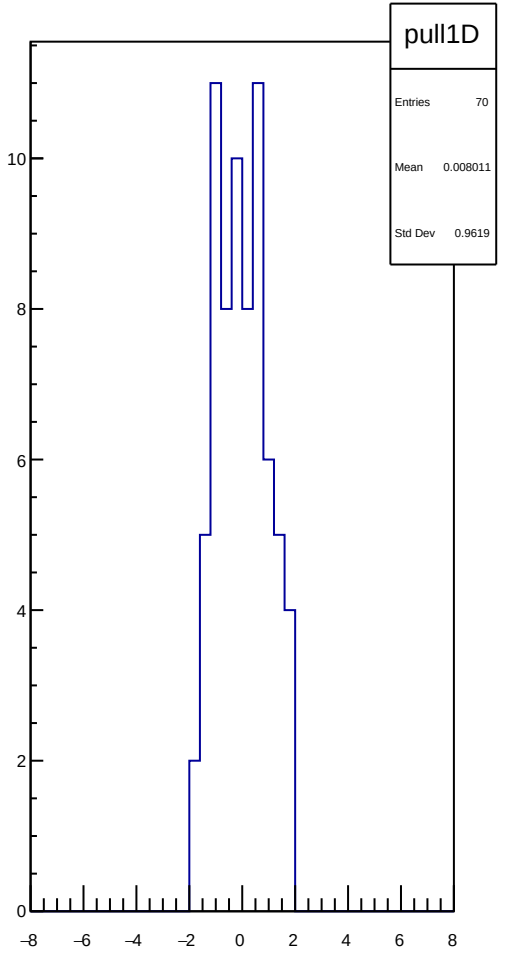

asym_sam6_reg_correction_rms vs run
χ² / ndf 3167 / 69
p0 1107 ± 0.9649
1250
1200
1150
1100
1050
1000

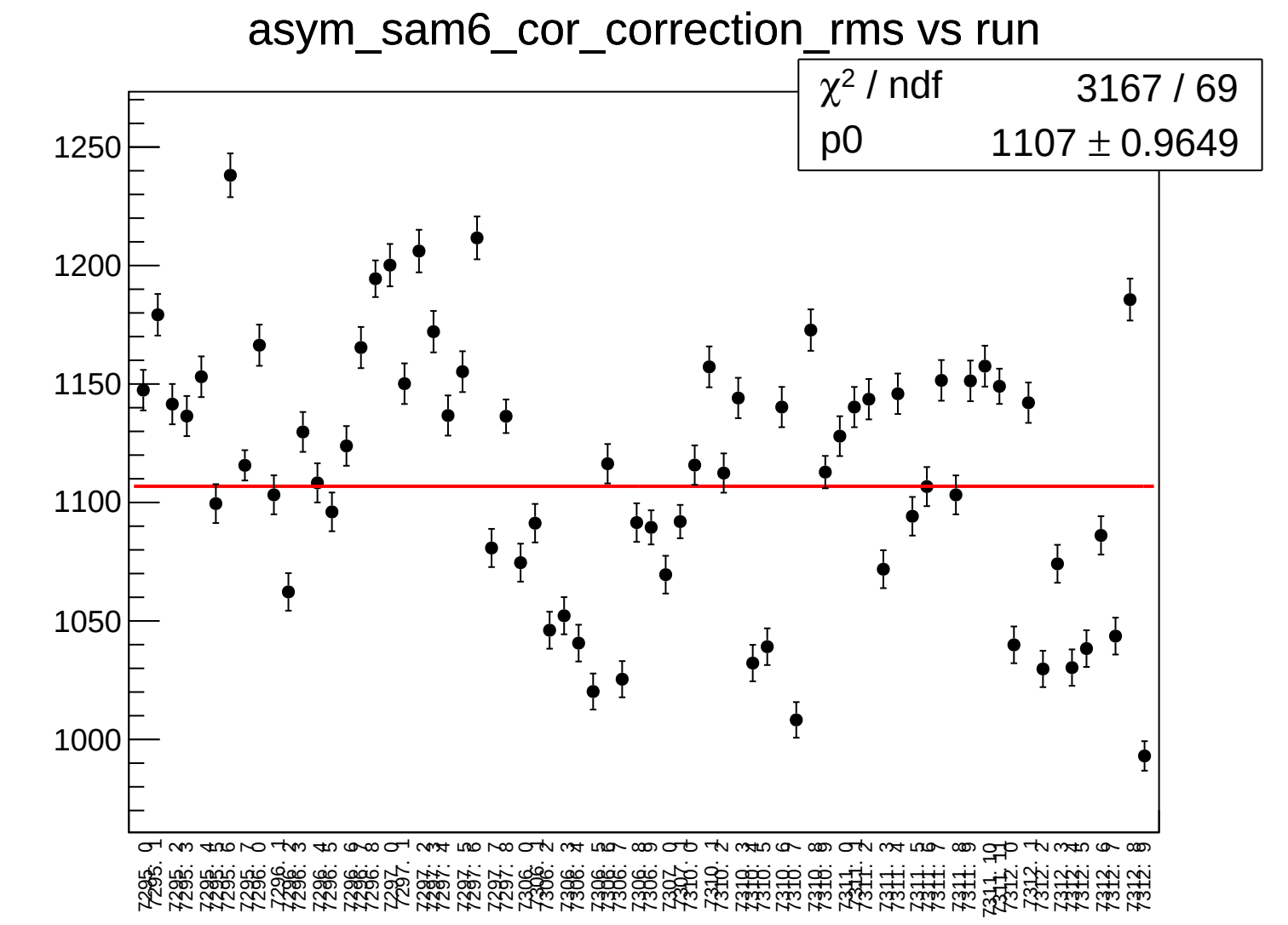

cor_asym_sam6_mean vs run
χ² / ndf 65.97 / 69
p0 −236.5 ± 210.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 137
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

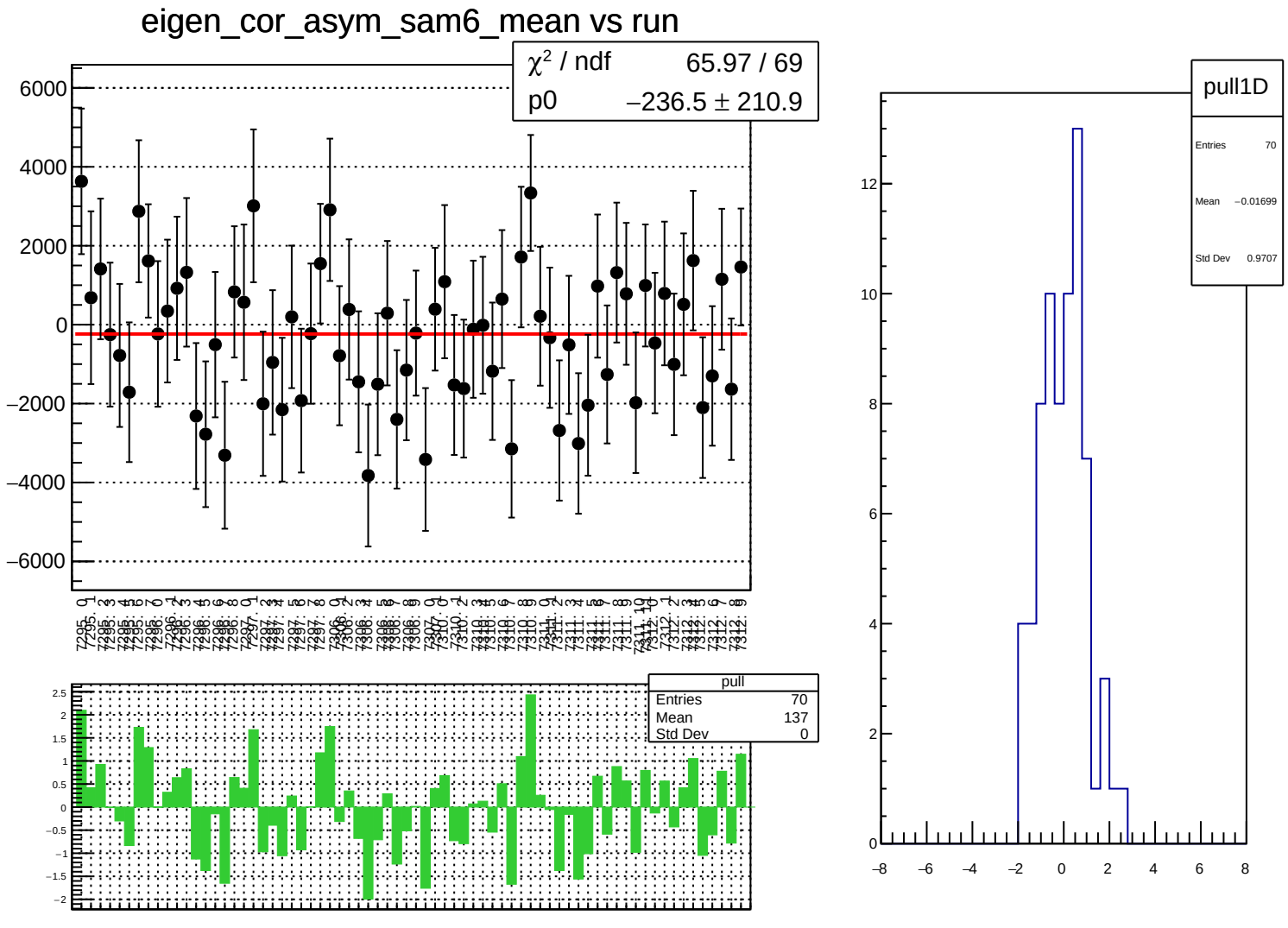

pull1D
Entries 70
Mean −0.01699
Std Dev 0.9707
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

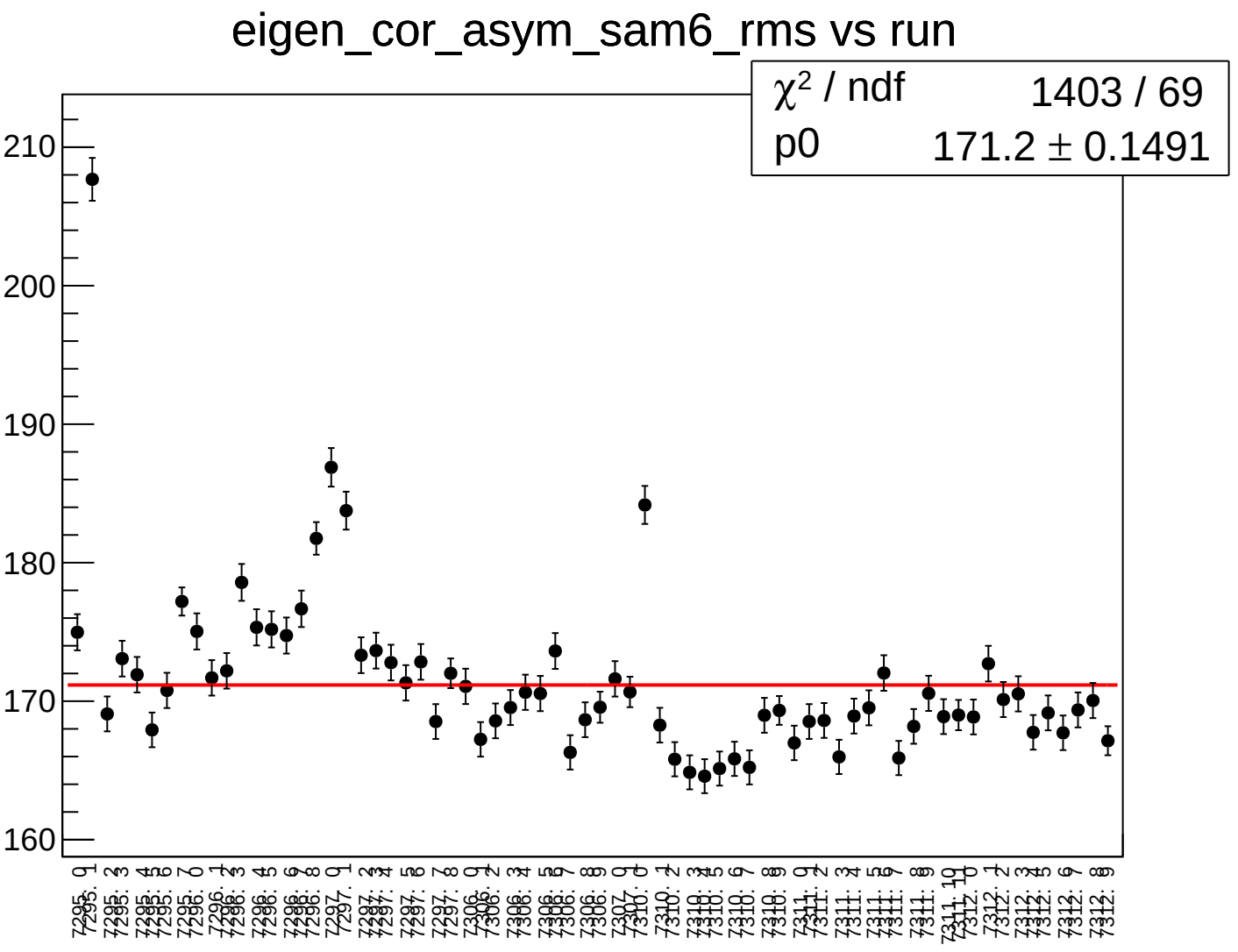

cor_asym_sam6_rms vs run
χ² / ndf 1403 / 69
p0 171.2 ± 0.1491
210
200
190
180
170
160

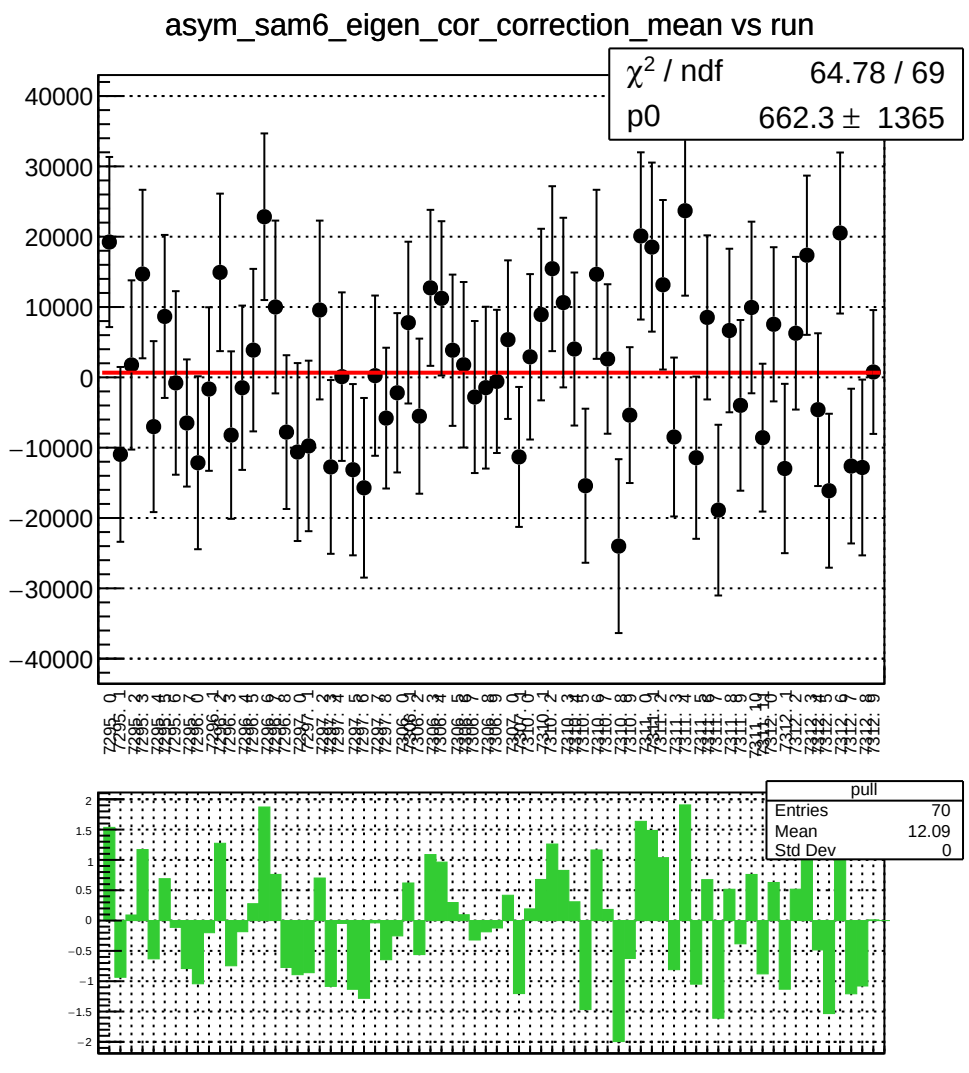

asym_sam6_cor_correction_mean vs run
χ² / ndf 64.78 / 69
p0 662.3 ± 1365
pull
Entries 70
Mean 12.09
Std Dev 0

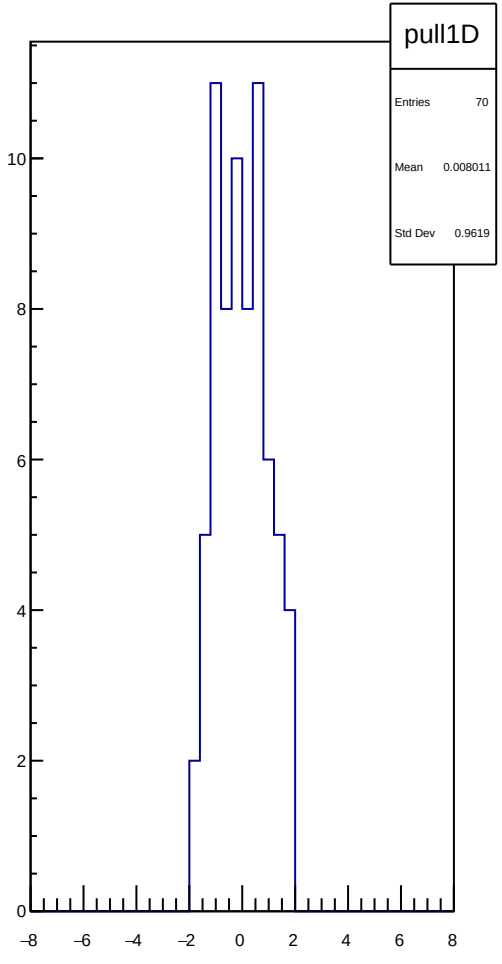

pull1D
Entries 70
Mean 0.008011
Std Dev 0.9619

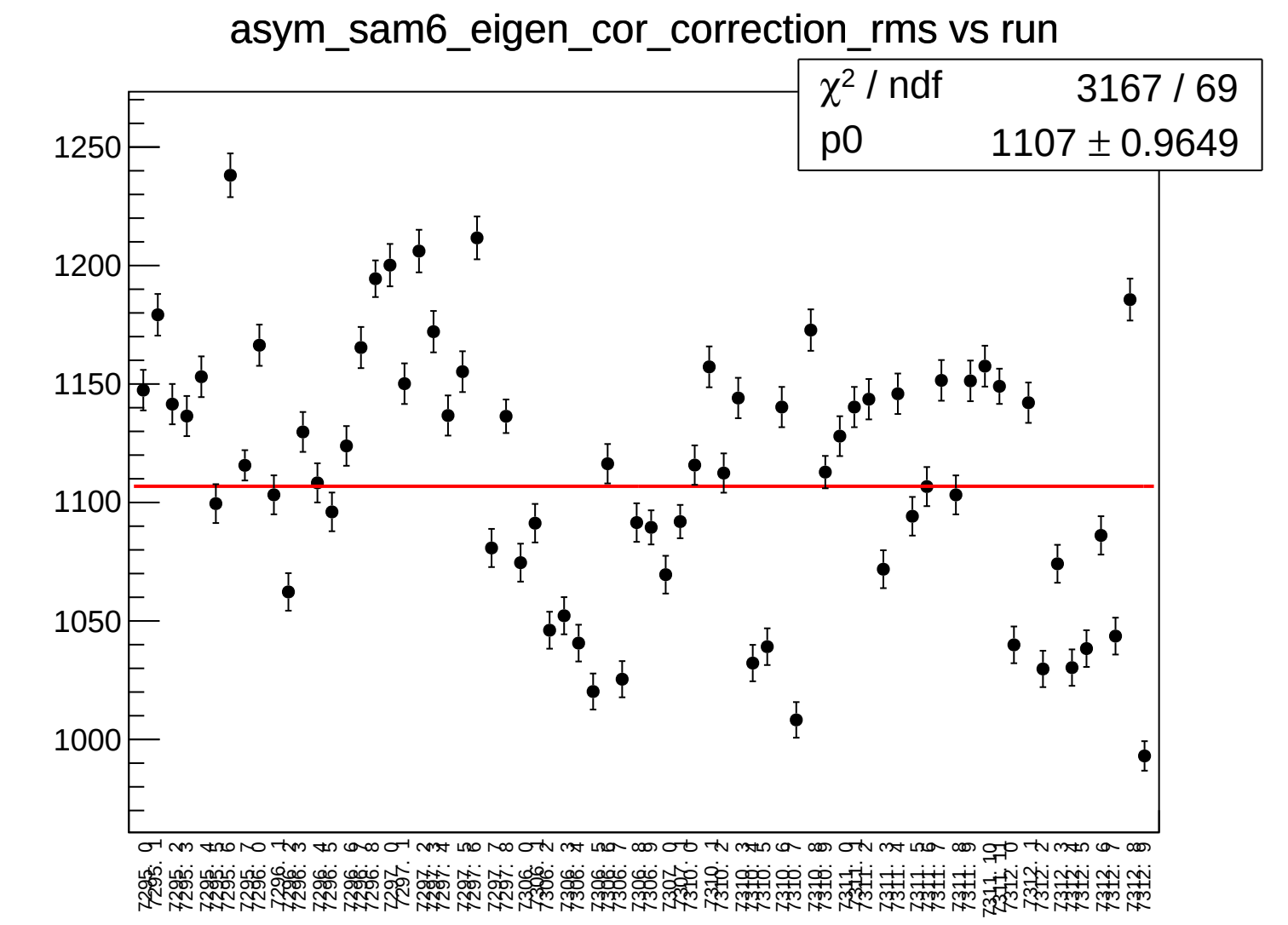

asym_sam6_cor_correction_rms vs run
χ² / ndf 3167 / 69
p0 1107 ± 0.9649
1250
1200
1150
1100
1050
1000

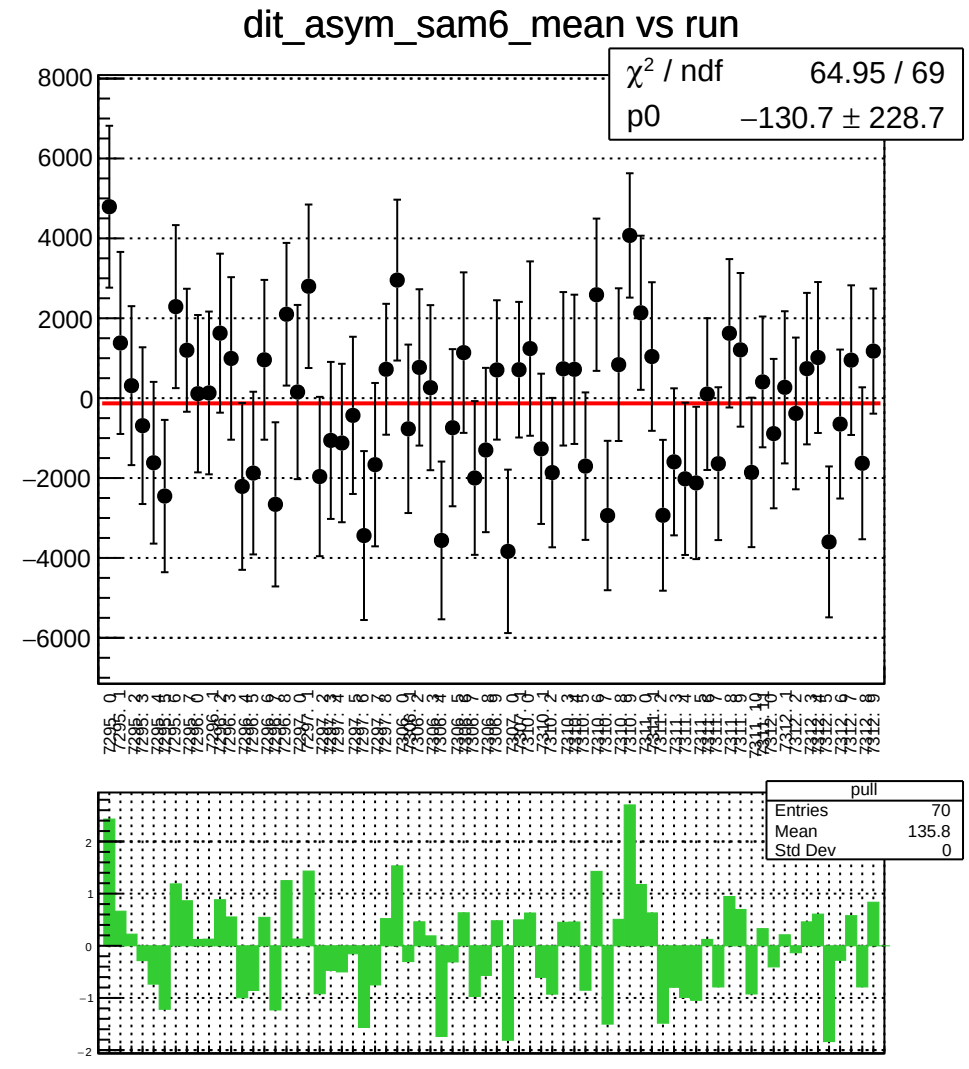

eigen_cor_asym_sam6_mean vs run
χ² / ndf 65.97 / 69
p0 −236.5 ± 210.9
pull
Entries 70
Mean 137
Std Dev 0
pull1D
Entries 70
Mean −0.01699
Std Dev 0.9707

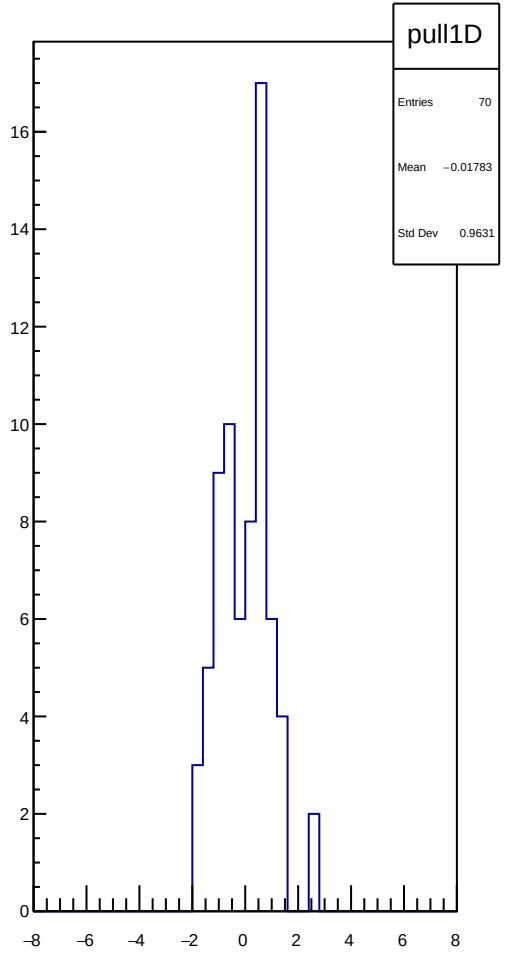

eigen_cor_asym_sam6_rms vs run
χ² / ndf 1403 / 69
p0 171.2 ± 0.1491
210
200
190
180
170
160

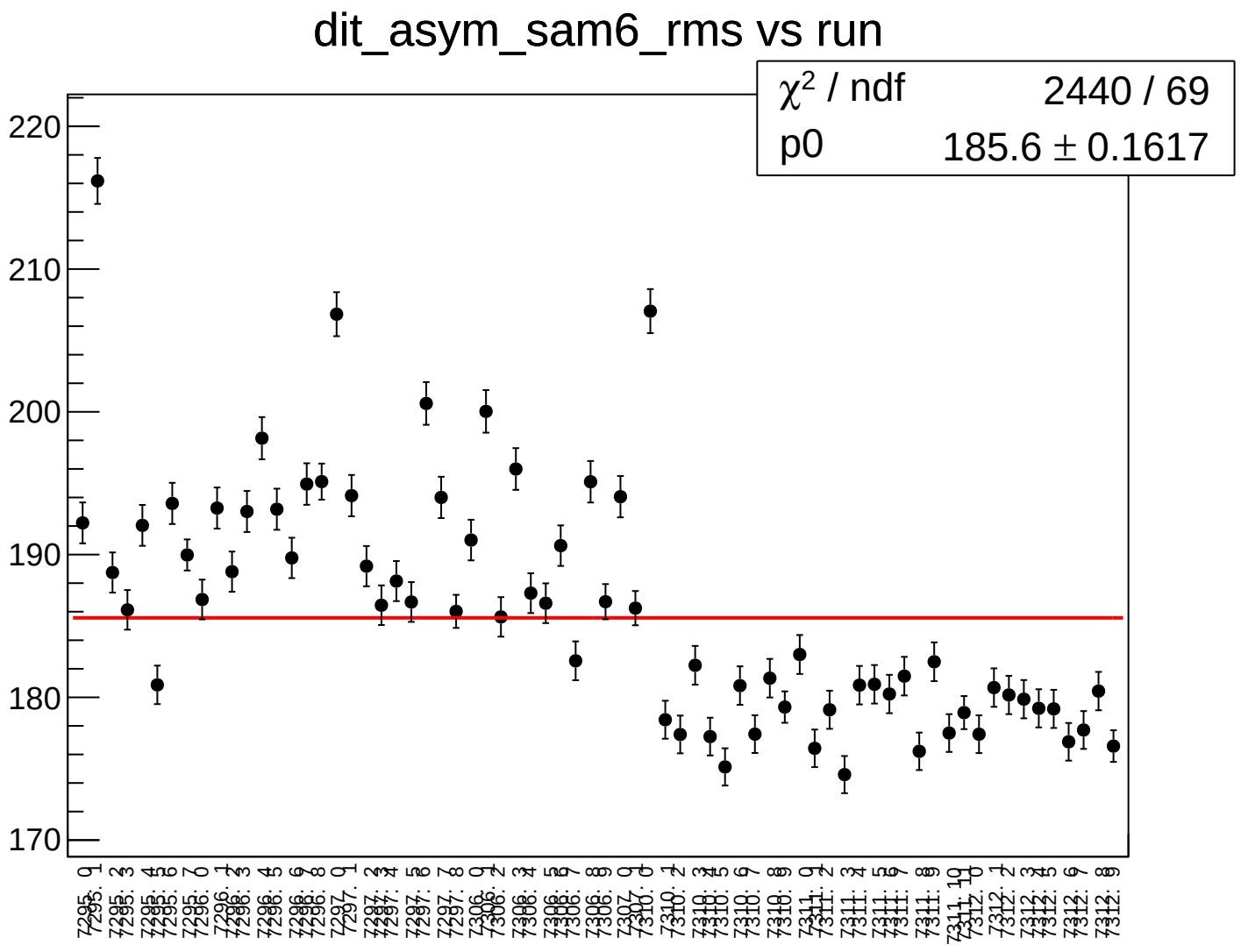

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 64.78 / 69
p0 662.3 ± 1365
pull
Entries 70
Mean 12.09
Std Dev 0

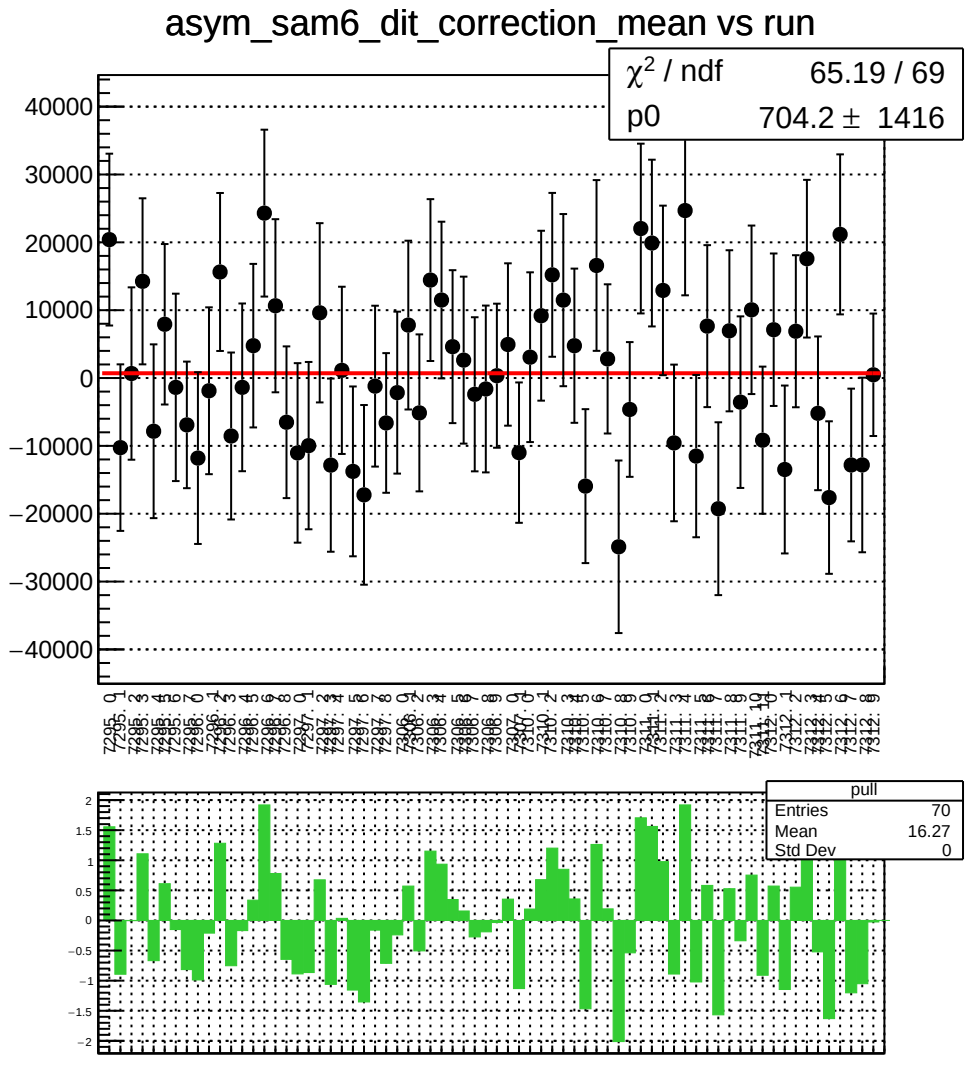

pull1D
Entries 70
Mean 0.008011
Std Dev 0.9619

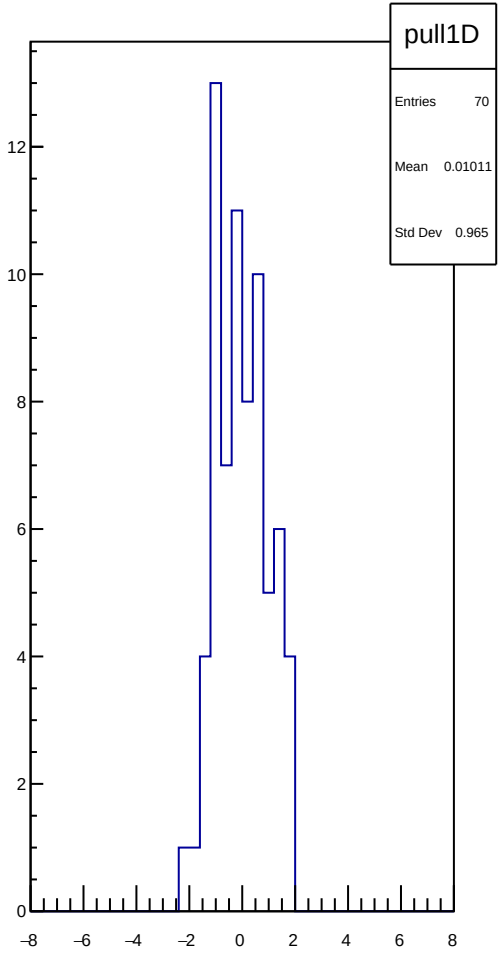

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 3167 / 69
p0 1107 ± 0.9649
1250
1200
1150
1100
1050
1000

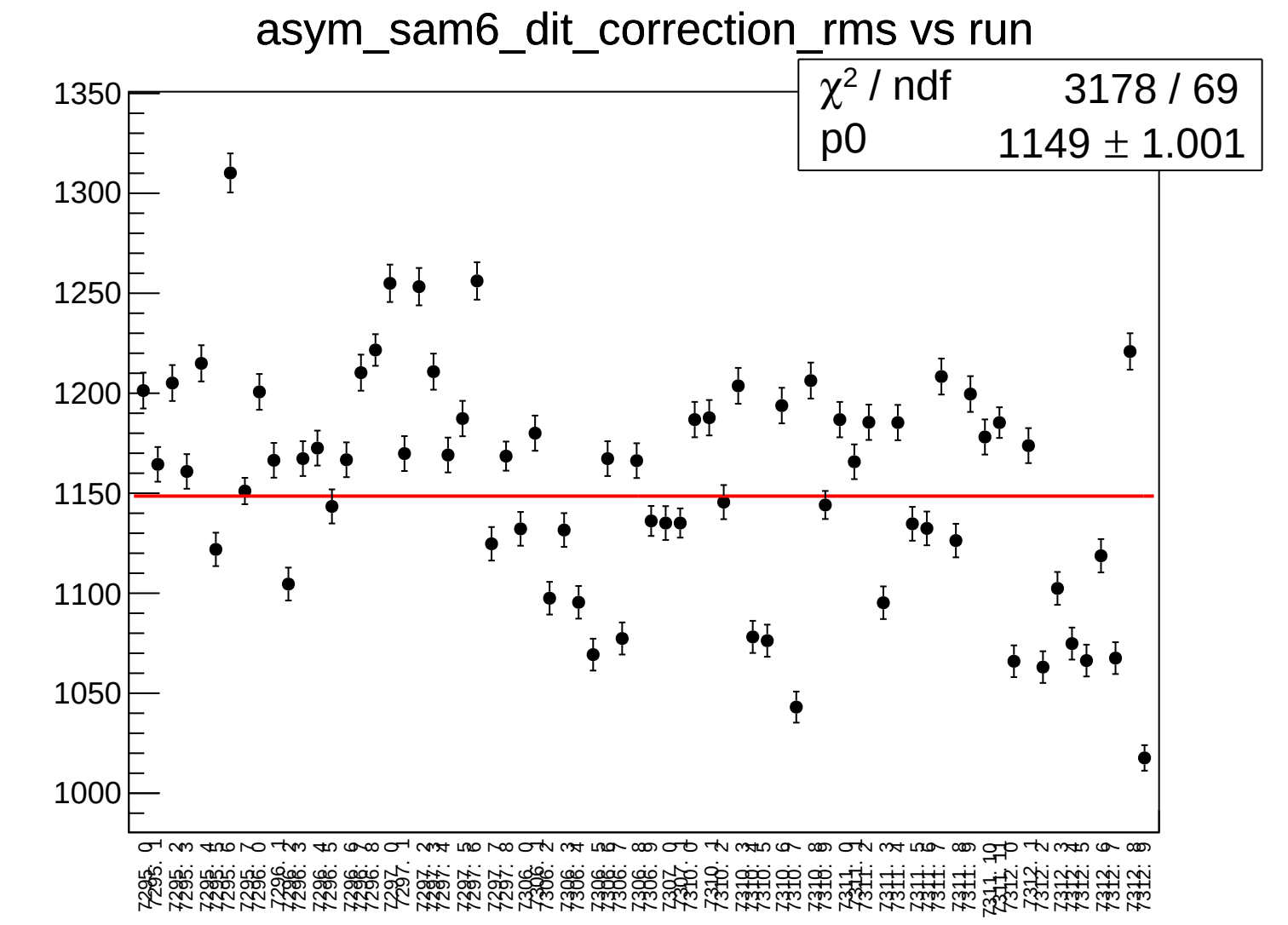

dit_asym_sam6_mean vs run
χ² / ndf 64.95 / 69
p0 −130.7 ± 228.7
pull
Entries 70
Mean 135.8
Std Dev 0

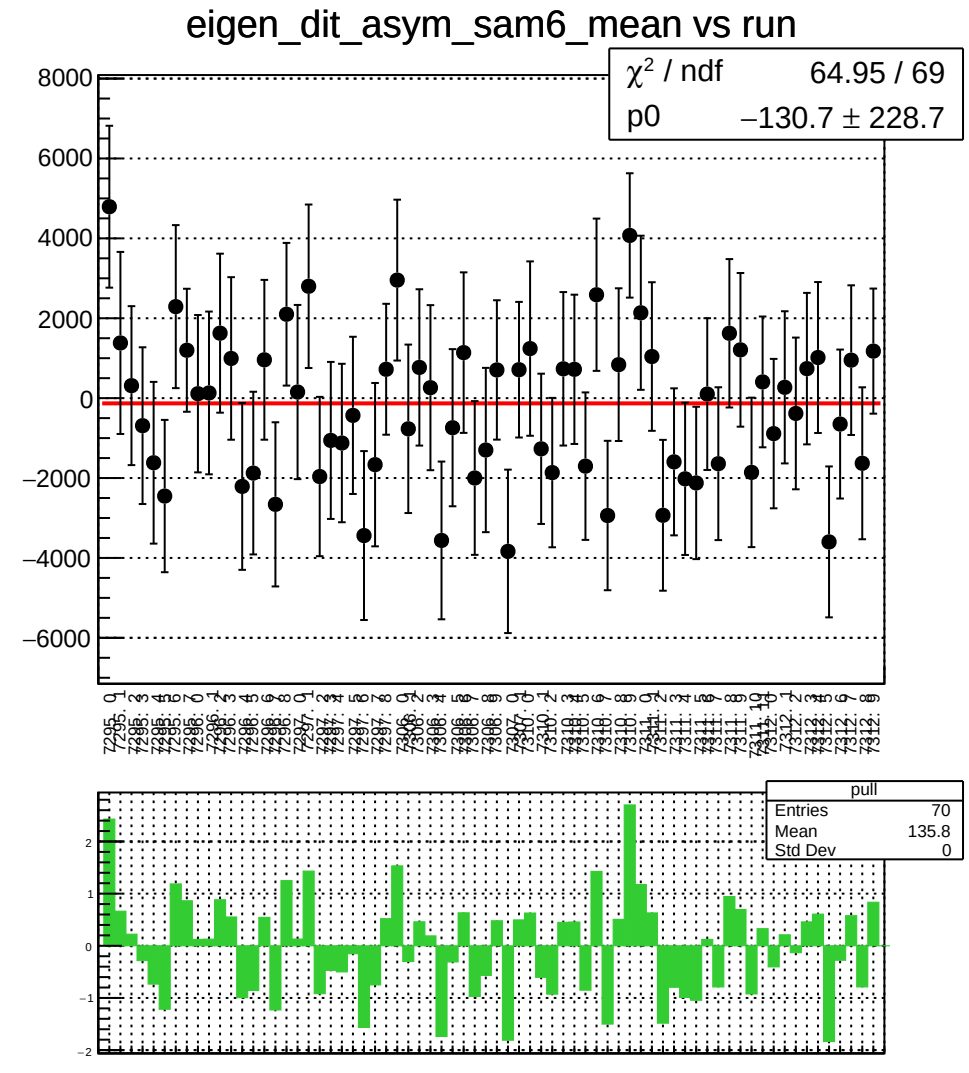

pull1D
Entries 70
Mean −0.01783
Std Dev 0.9631

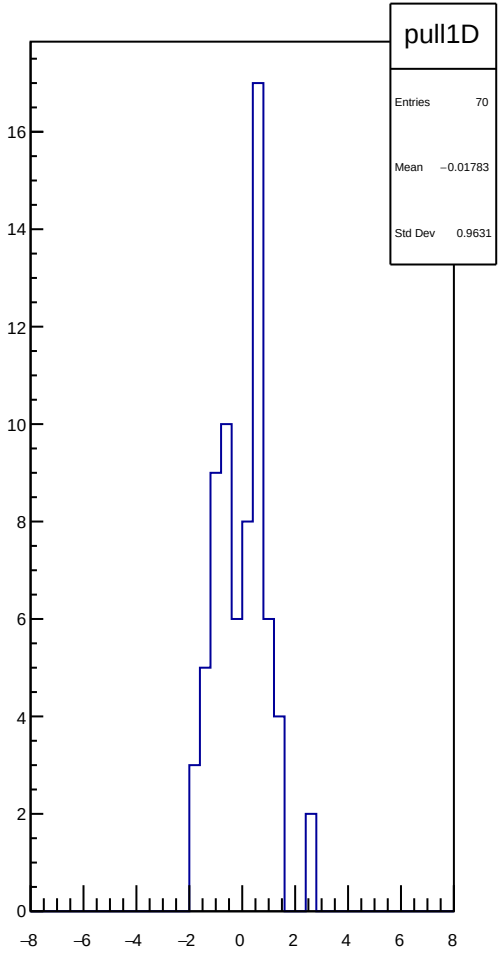

dit_asym_sam6_rms vs run
χ² / ndf 2440 / 69
p0 185.6 ± 0.1617
220
210
200
190
180
170

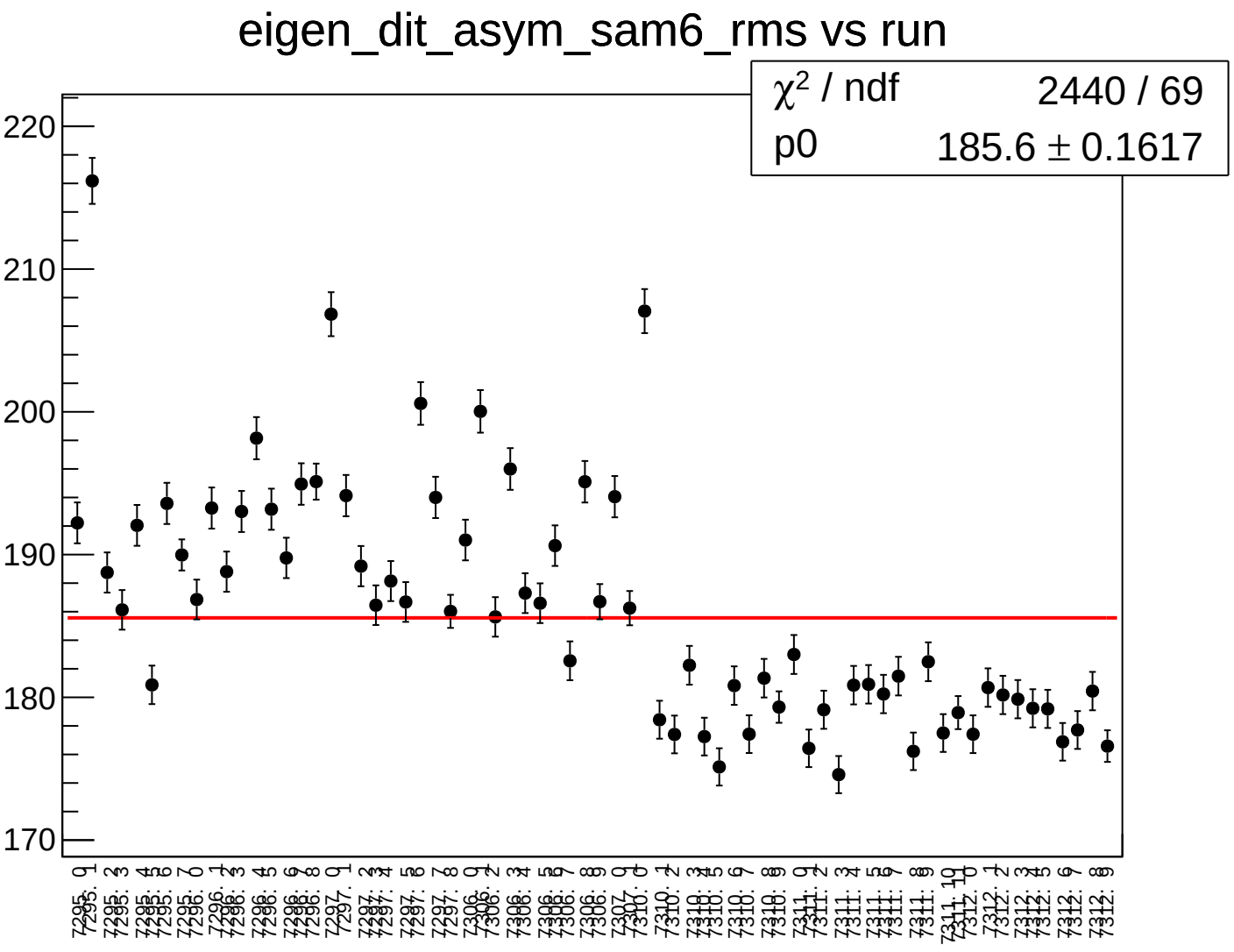

asym_sam6_dit_correction_mean vs run
χ² / ndf 65.19 / 69
p0 704.2 ± 1416
pull
Entries 70
Mean 16.27
Std Dev 0

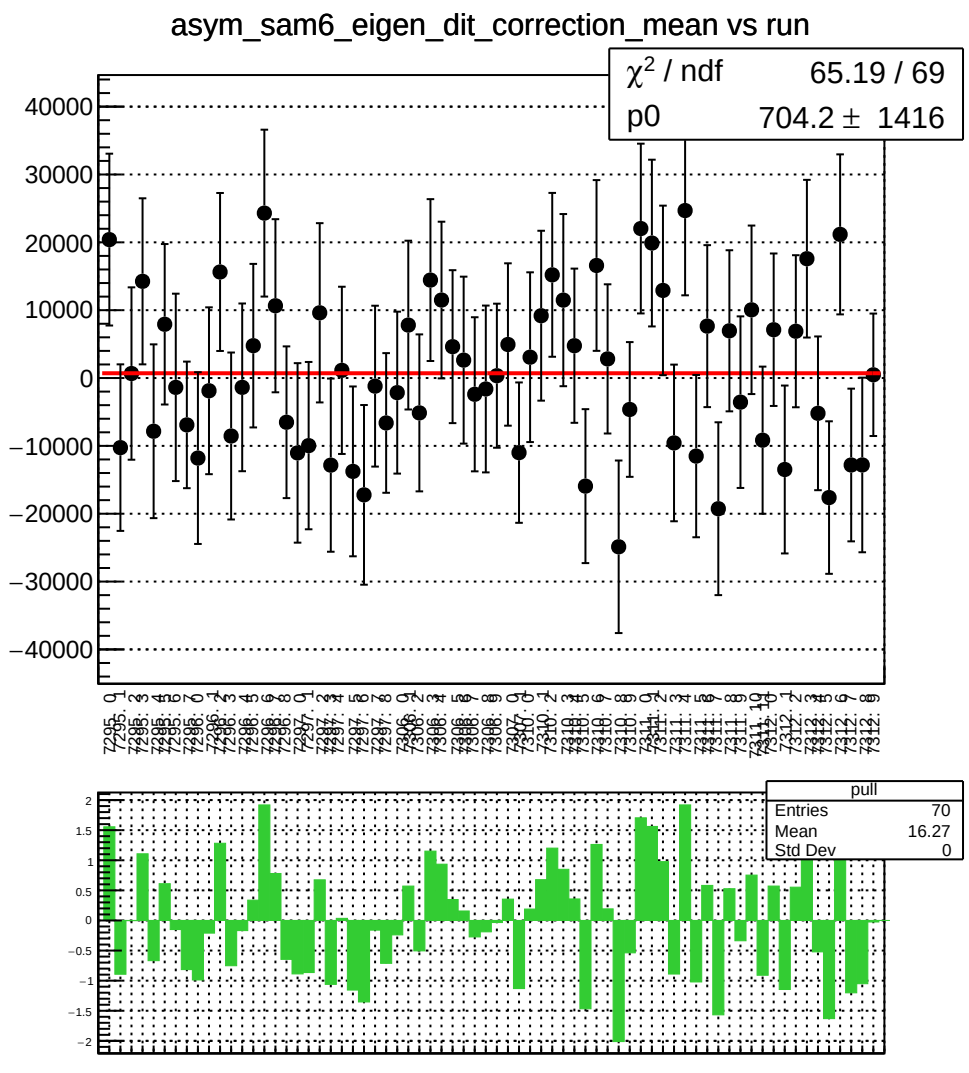

pull1D
Entries 70
Mean 0.01011
Std Dev 0.965

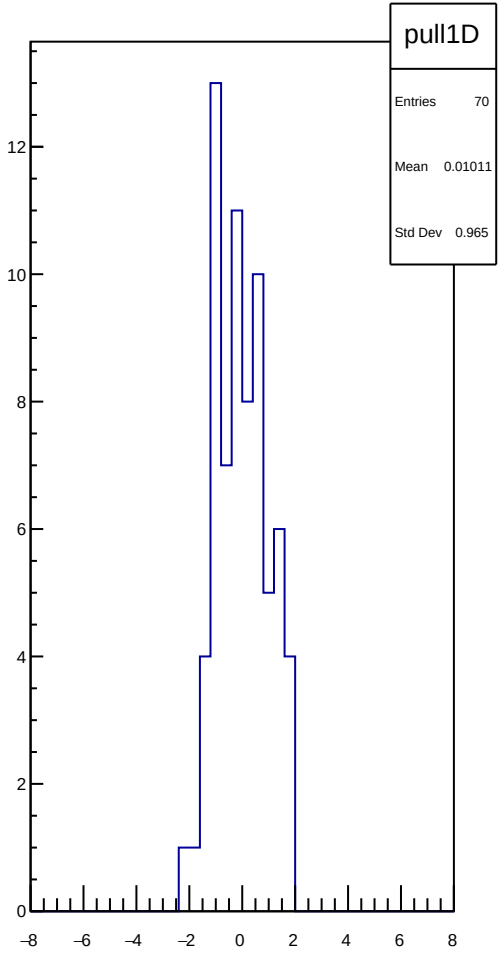

asym_sam6_dit_correction_rms vs run
χ² / ndf 3178 / 69
p0 1149 ± 1.001
1350
1300
1250
1200
1150
1100
1050
1000

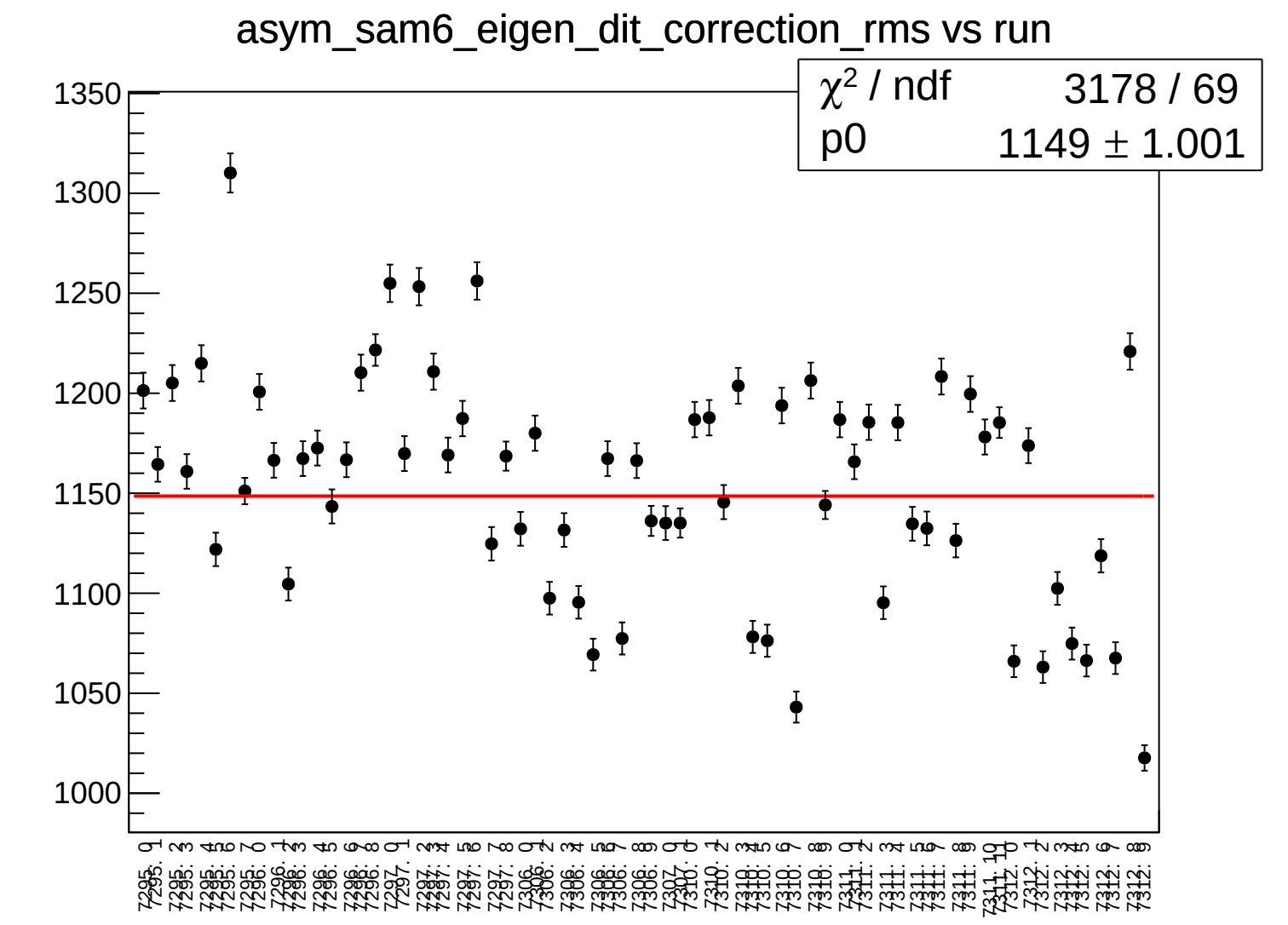

eigen_dit_asym_sam6_mean vs run
χ² / ndf 64.95 / 69
p0 −130.7 ± 228.7
pull
Entries 70
Mean 135.8
Std Dev 0

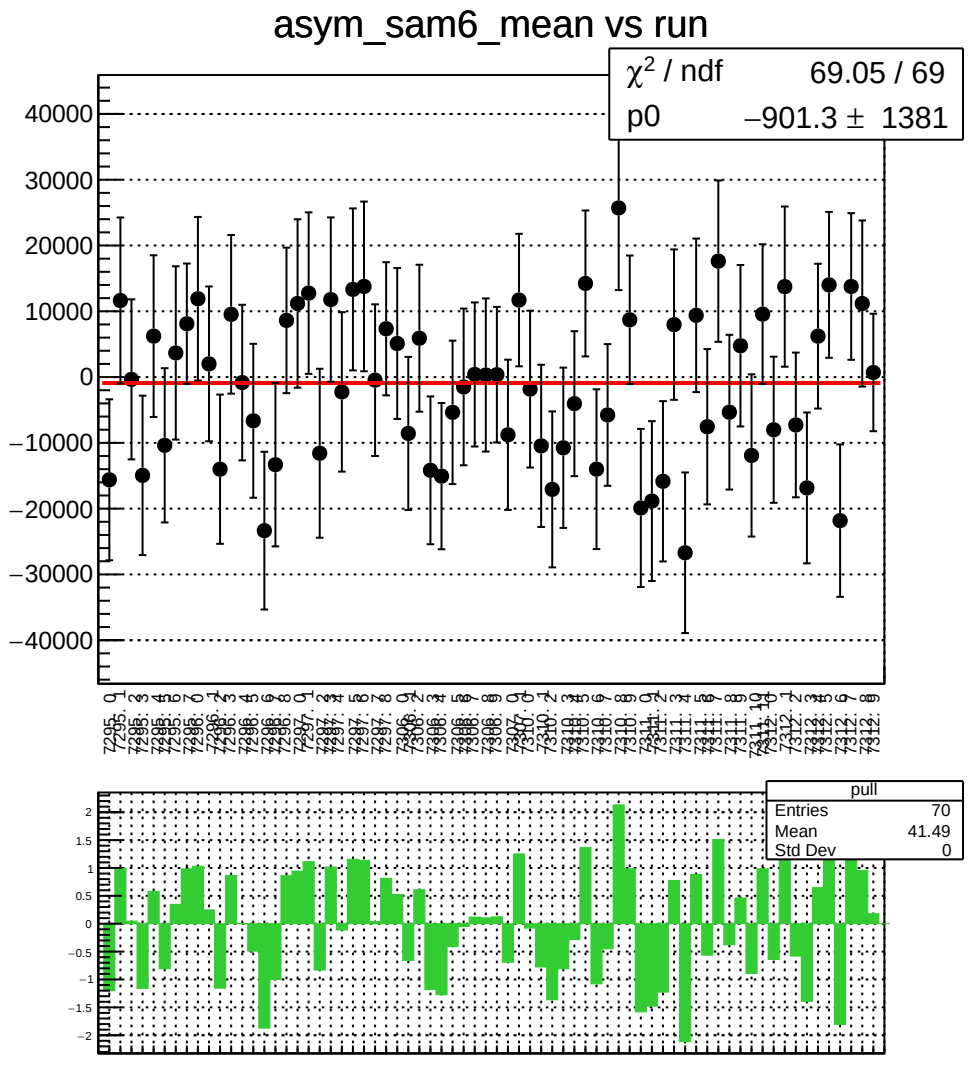

pull1D
Entries 70
Mean −0.01783
Std Dev 0.9631

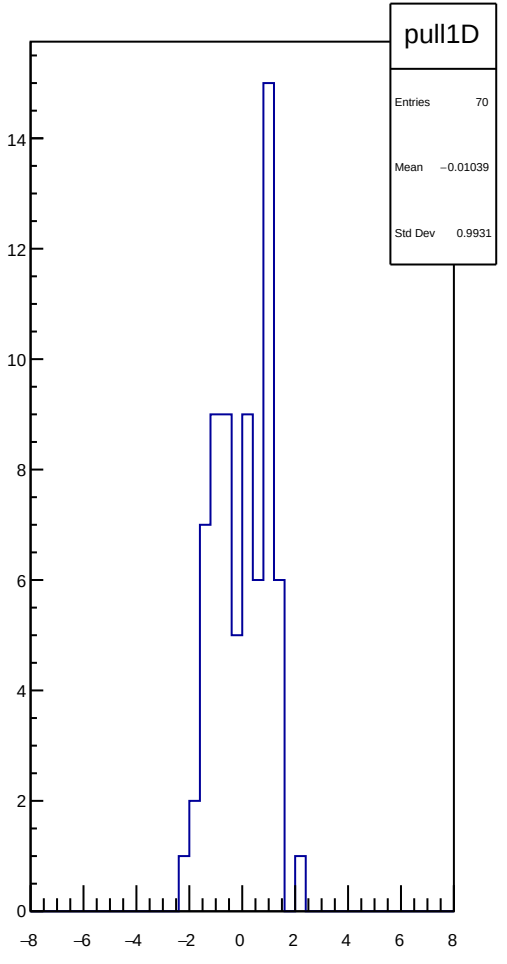

eigen_dit_asym_sam6_rms vs run
χ² / ndf 2440 / 69
p0 185.6 ± 0.1617
220
210
200
190
180
170

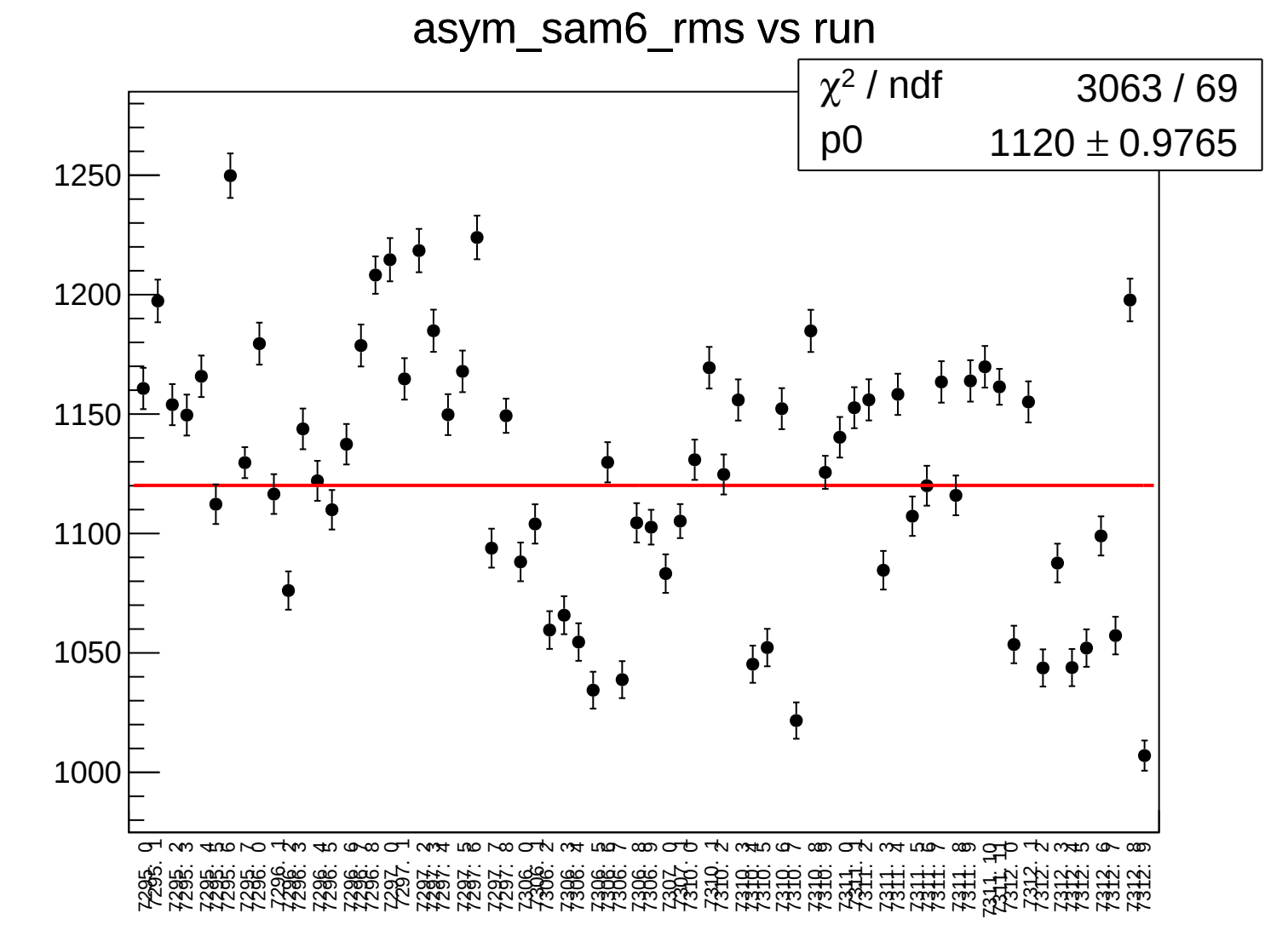

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 65.19 / 69
p0 704.2 ± 1416
pull
Entries 70
Mean 16.27
Std Dev 0

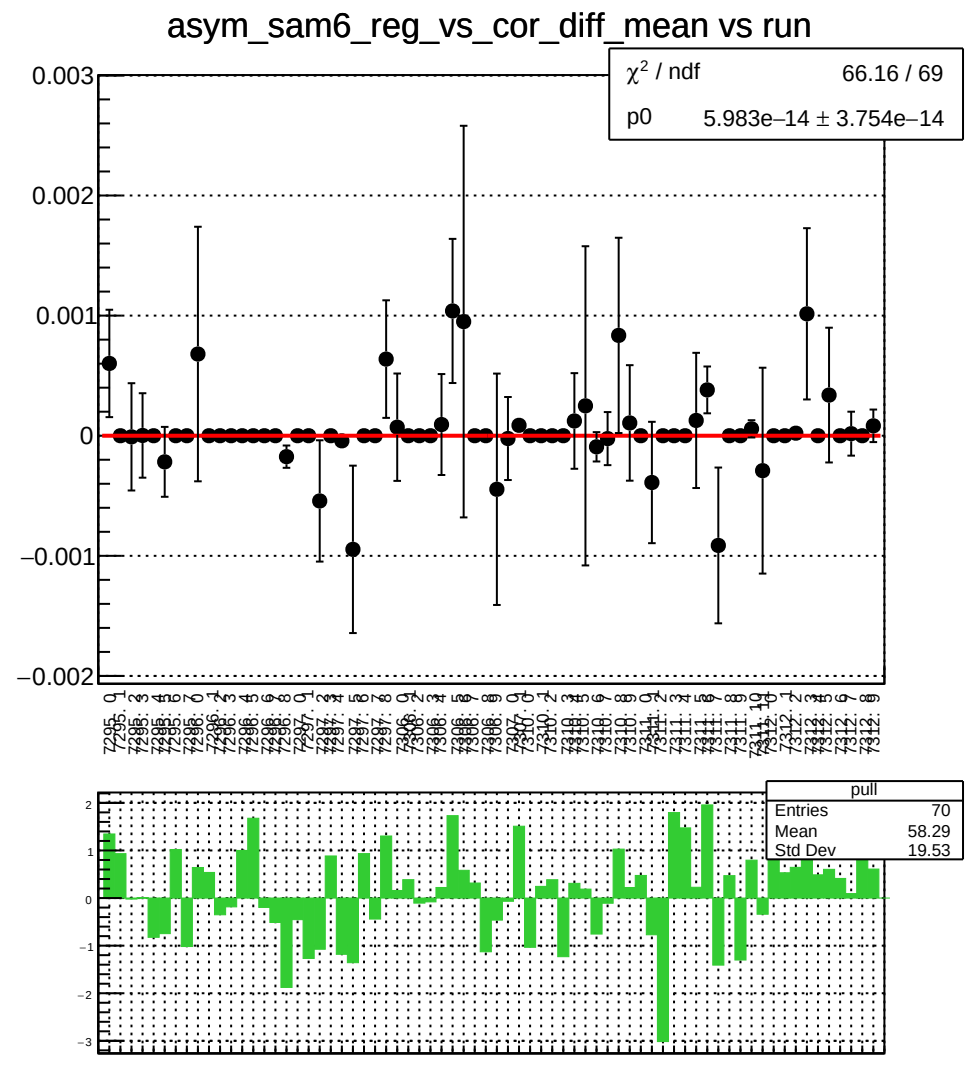

pull1D
Entries 70
Mean 0.01011
Std Dev 0.965

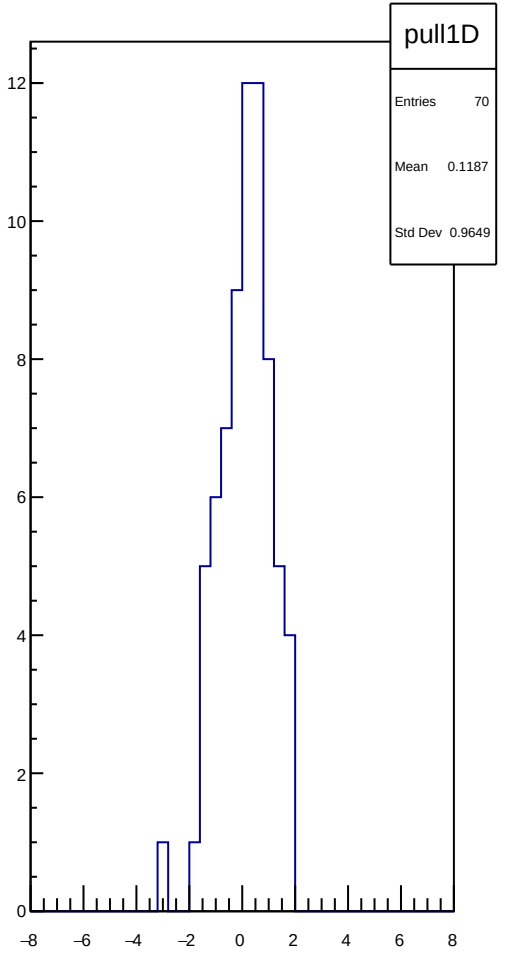

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 3178 / 69
p0 1149 ± 1.001
1350
1300
1250
1200
1150
1100
1050
1000

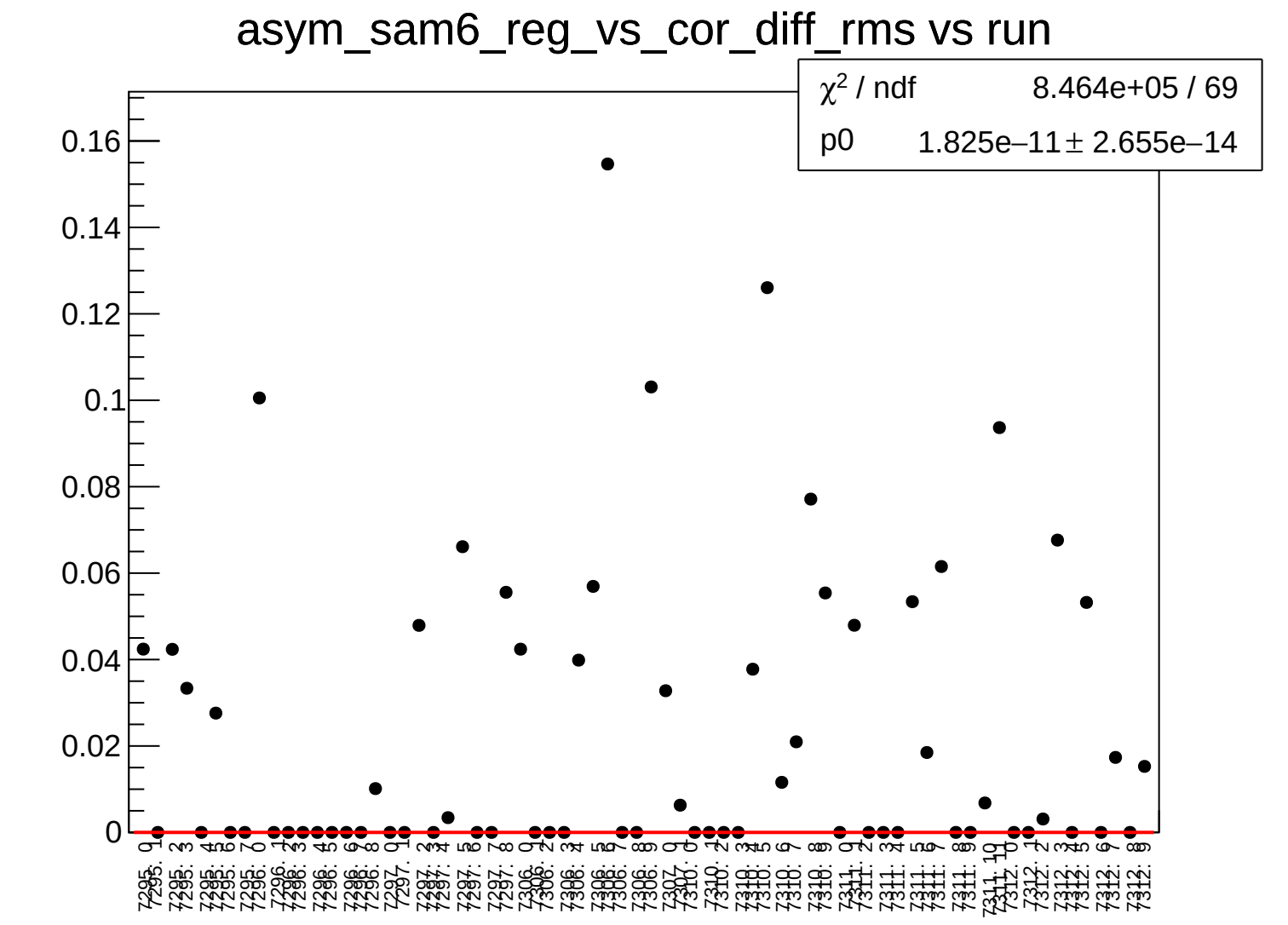

asym_sam6_mean vs run
χ^2 / ndf 69.05 / 69
p0 −901.3 ± 1381
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 70
Mean 41.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

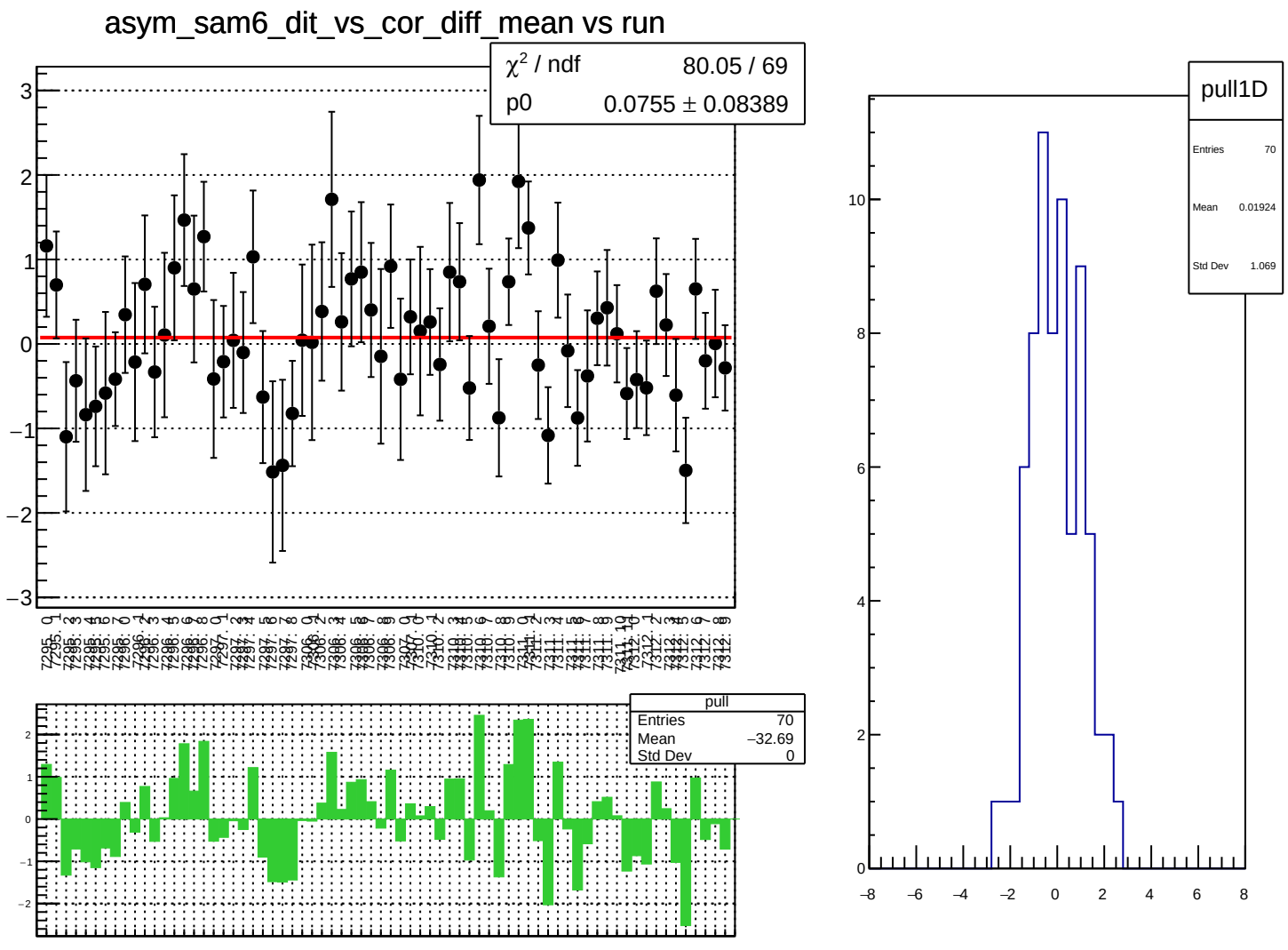

pull1D
Entries 70
Mean −0.01039
Std Dev 0.9931
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

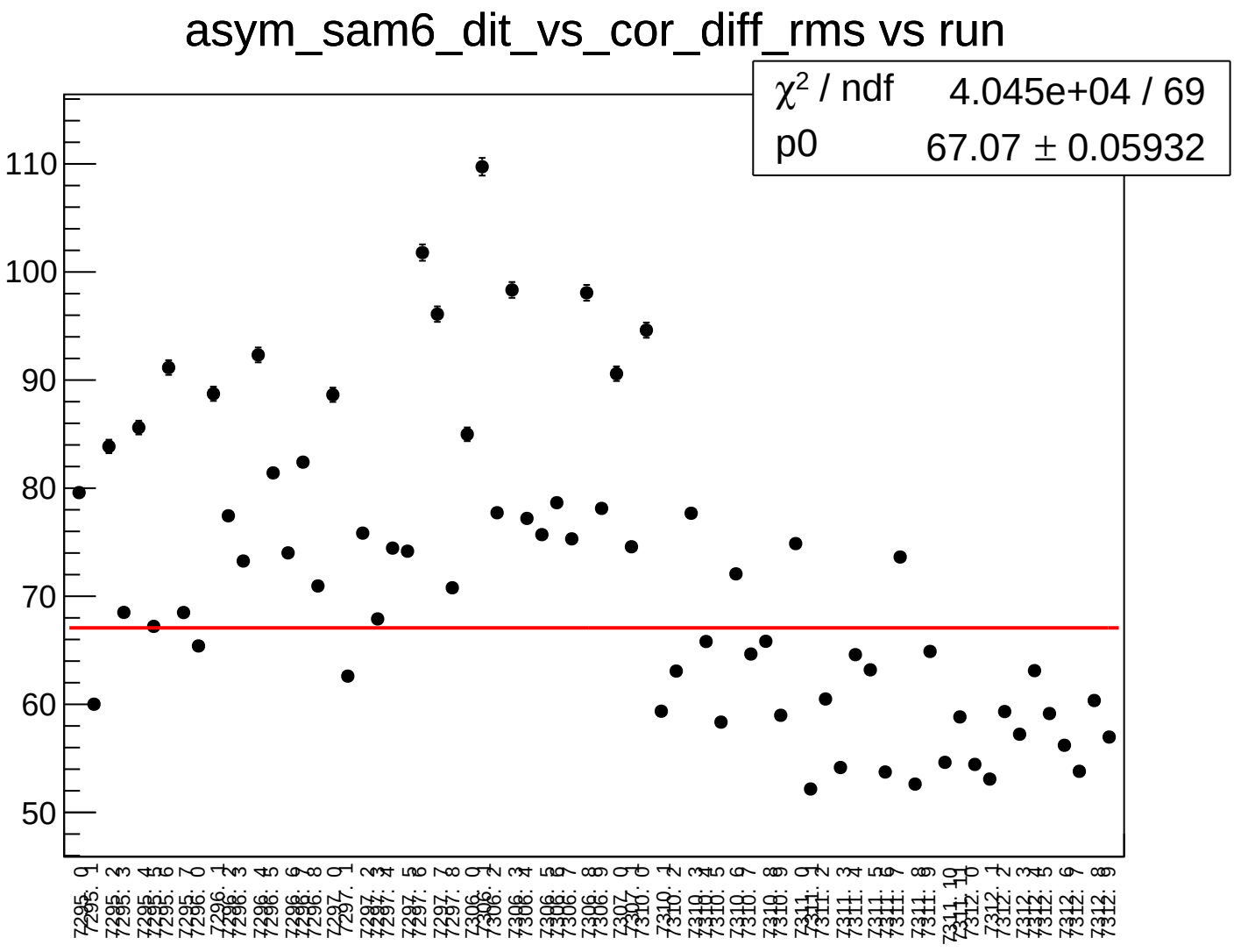

asym_sam6_rms vs run
χ² / ndf 3063 / 69
p0 1120 ± 0.9765
1250
1200
1150
1100
1050
1000

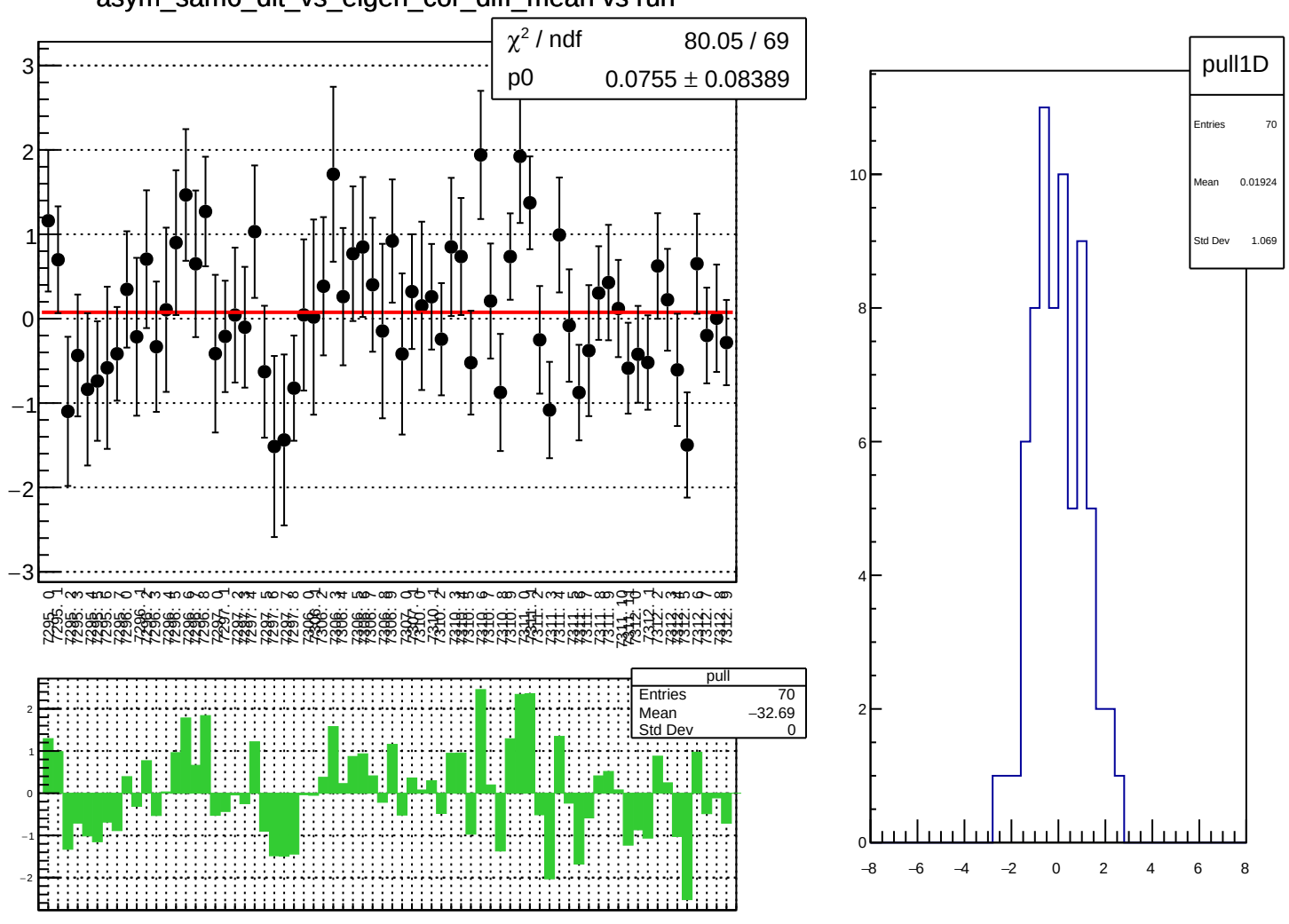

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 66.16 / 69
p0 5.983e−14 ± 3.754e−14
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 70
Mean 58.29
Std Dev 19.53
2
1
0
−1
−2
−3

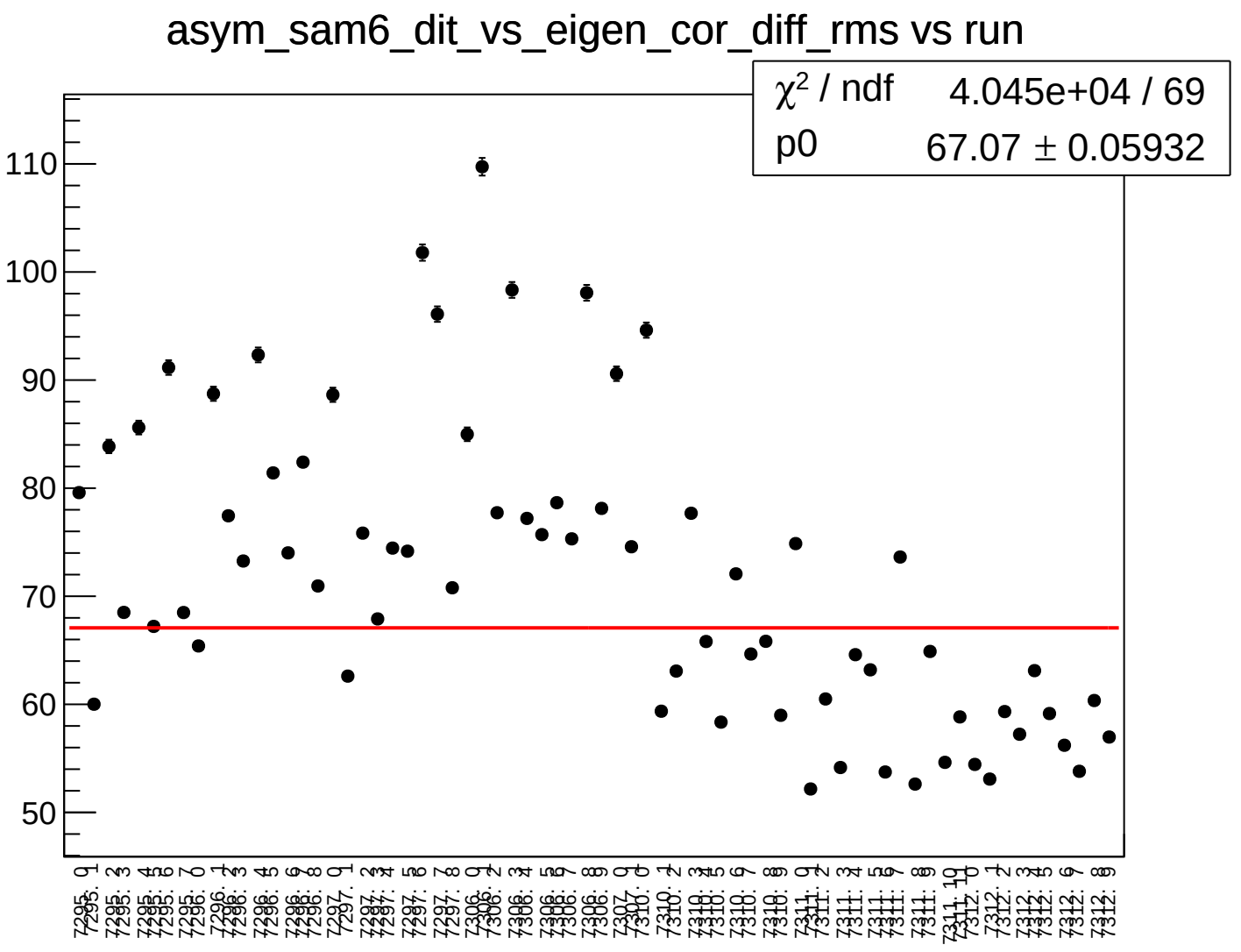

pull1D
Entries 70
Mean 0.1187
Std Dev 0.9649
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

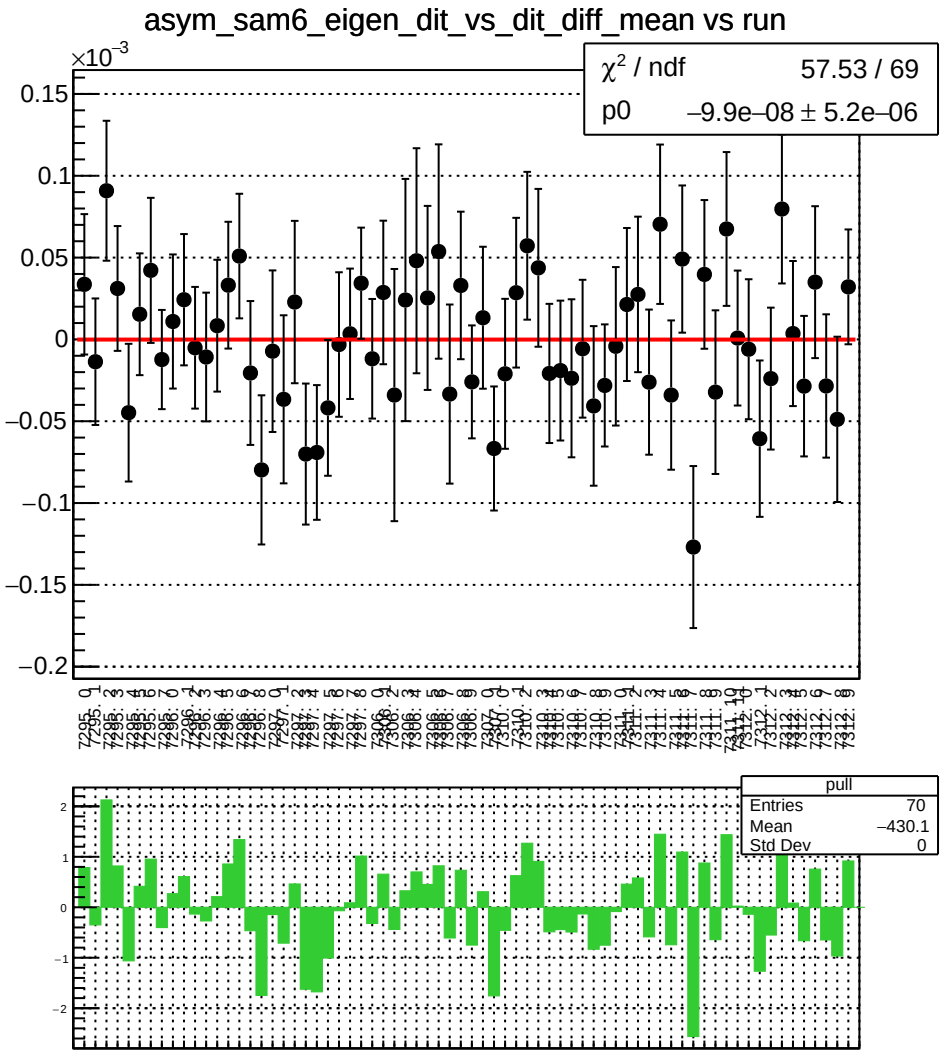

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 8.464e+05 / 69
p0 1.825e−11 ± 2.655e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

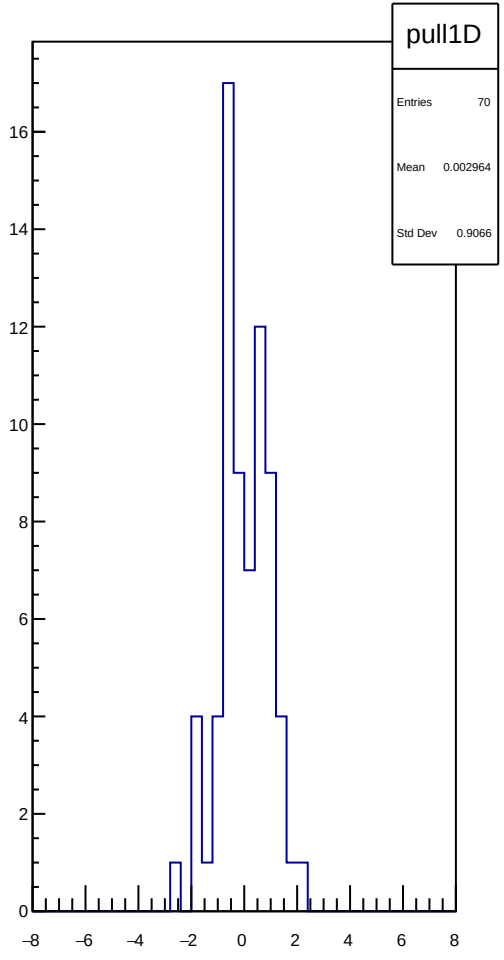

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 80.05 / 69
p0 0.0755 ± 0.08389
pull
Entries 70
Mean −32.69
Std Dev 0
pull1D
Entries 70
Mean 0.01924
Std Dev 1.069

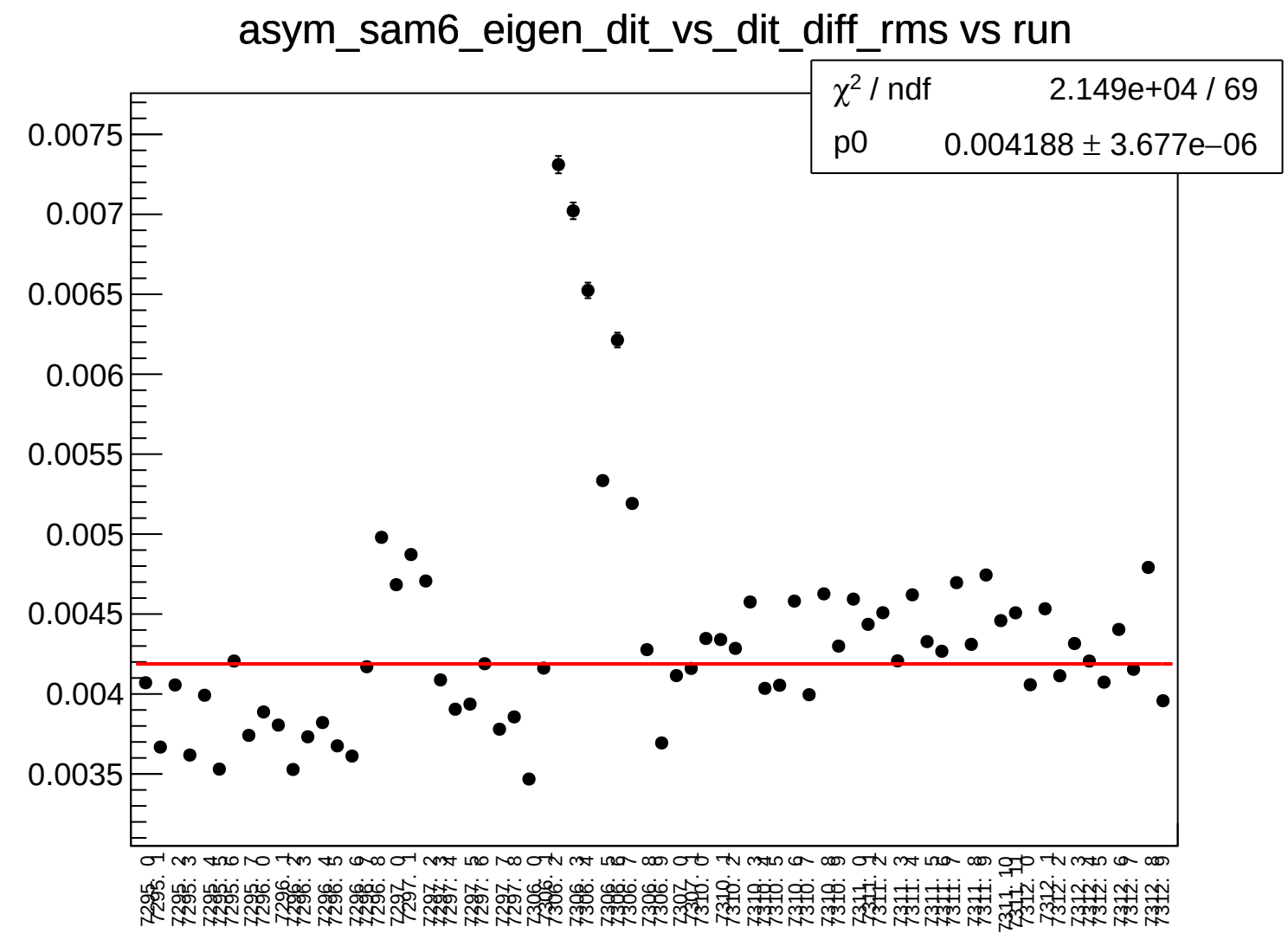

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 69
p0 67.07 ± 0.05932
110
100
90
80
70
60
50

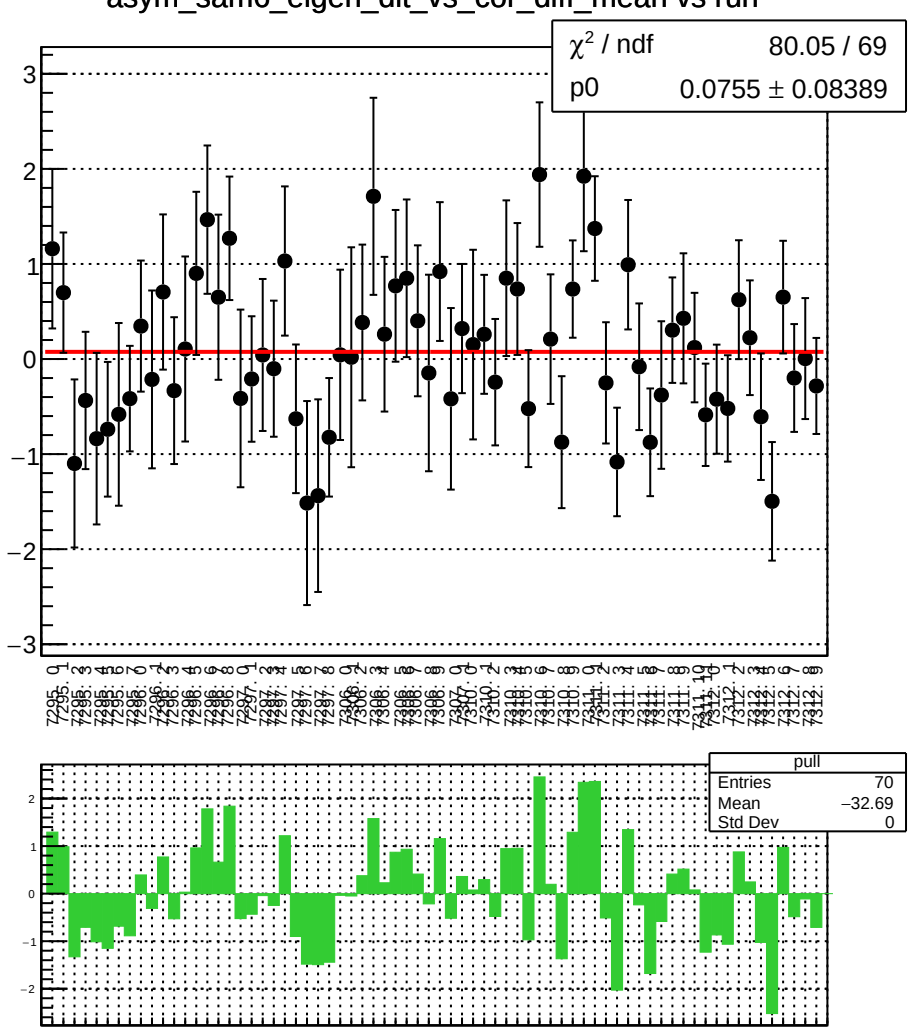

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.05 / 69
p0 0.0755 ± 0.08389
pull
Entries 70
Mean −32.69
Std Dev 0
pull1D
Entries 70
Mean 0.01924
Std Dev 1.069

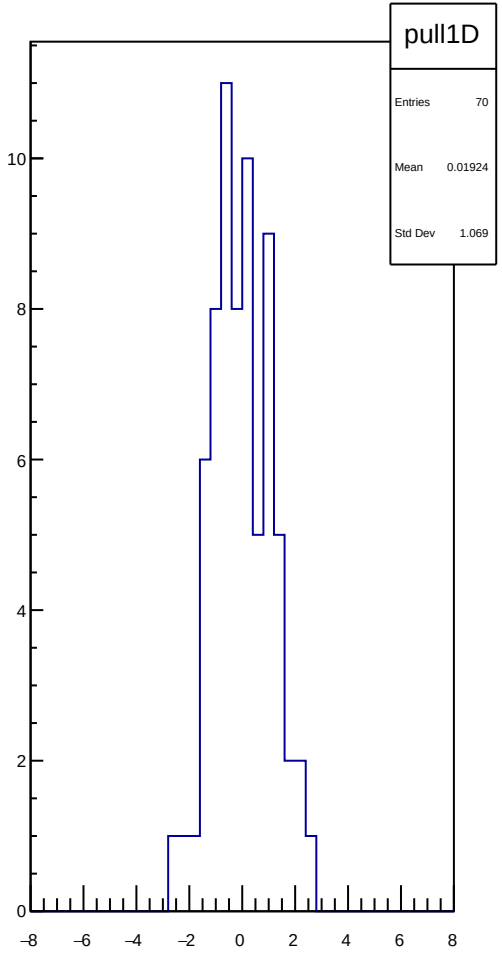

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 69
p0 67.07 ± 0.05932
110
100
90
80
70
60
50

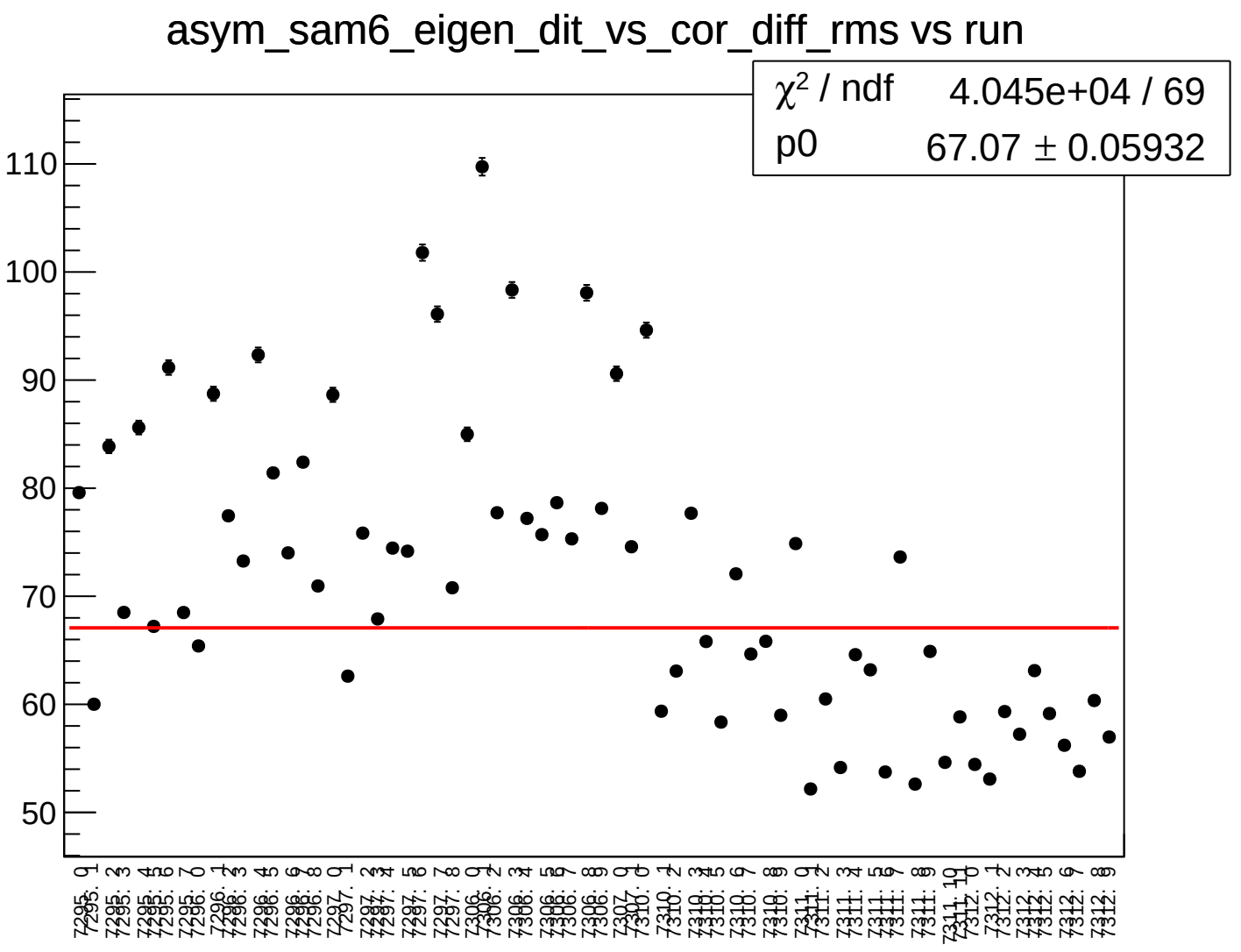

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.53 / 69
p0 –9.9e–08 ± 5.2e–06
pull
Entries 70
Mean –430.1
Std Dev 0

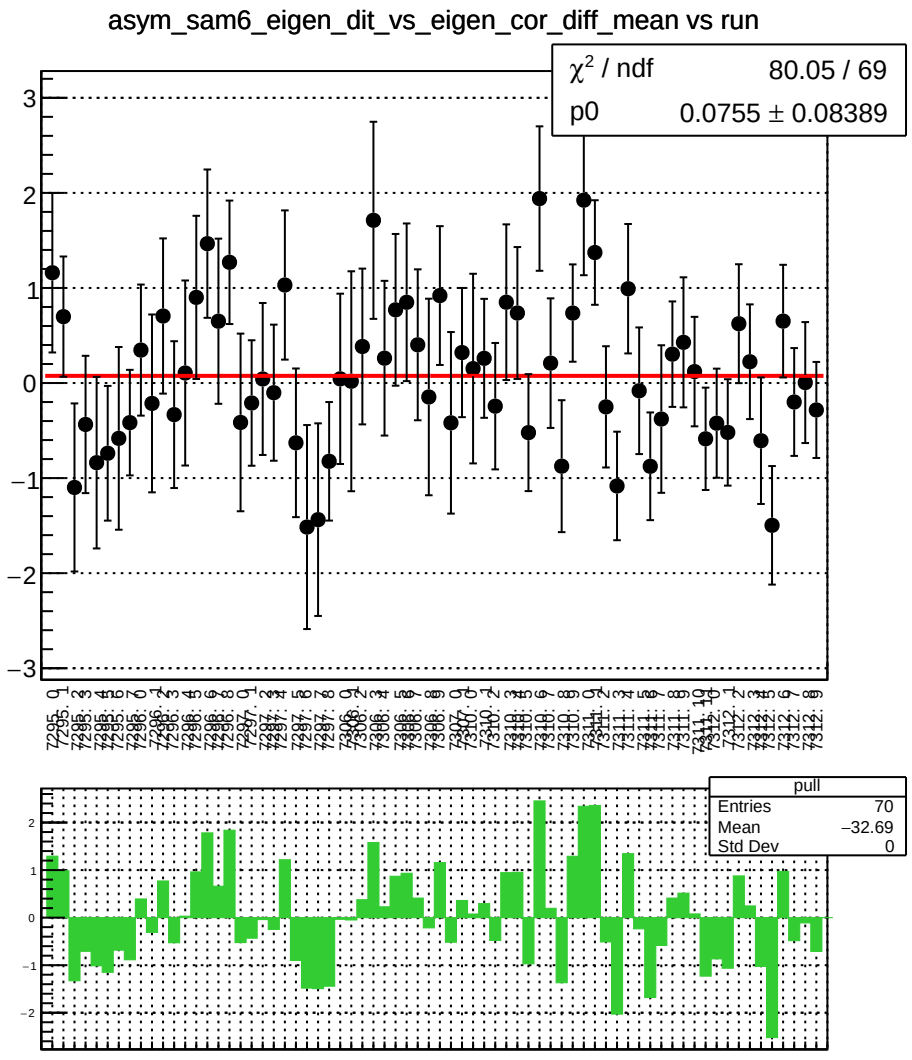

pull1D
Entries 70
Mean 0.002964
Std Dev 0.9066

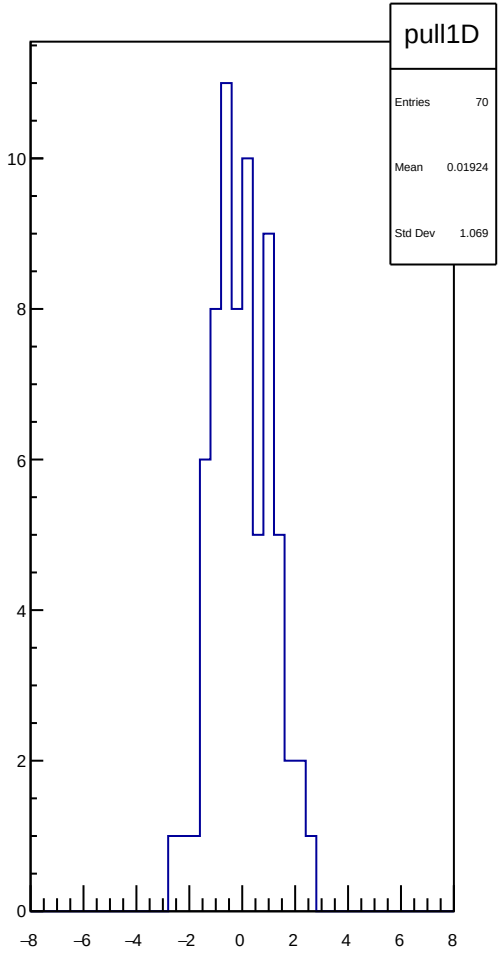

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.149e+04 / 69
p0 0.004188 ± 3.677e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035

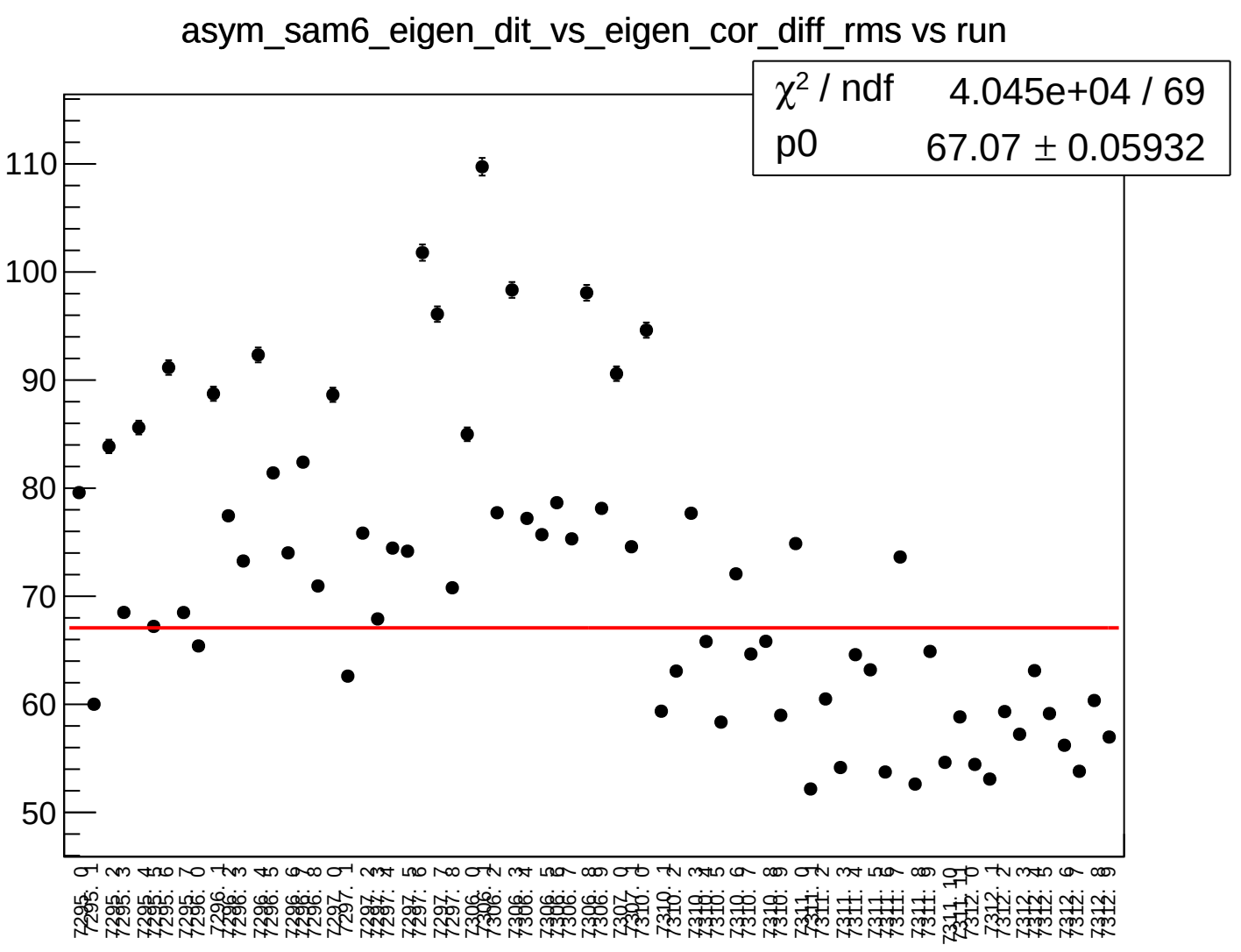

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.05 / 69
p0 0.0755 ± 0.08389
pull
Entries 70
Mean −32.69
Std Dev 0

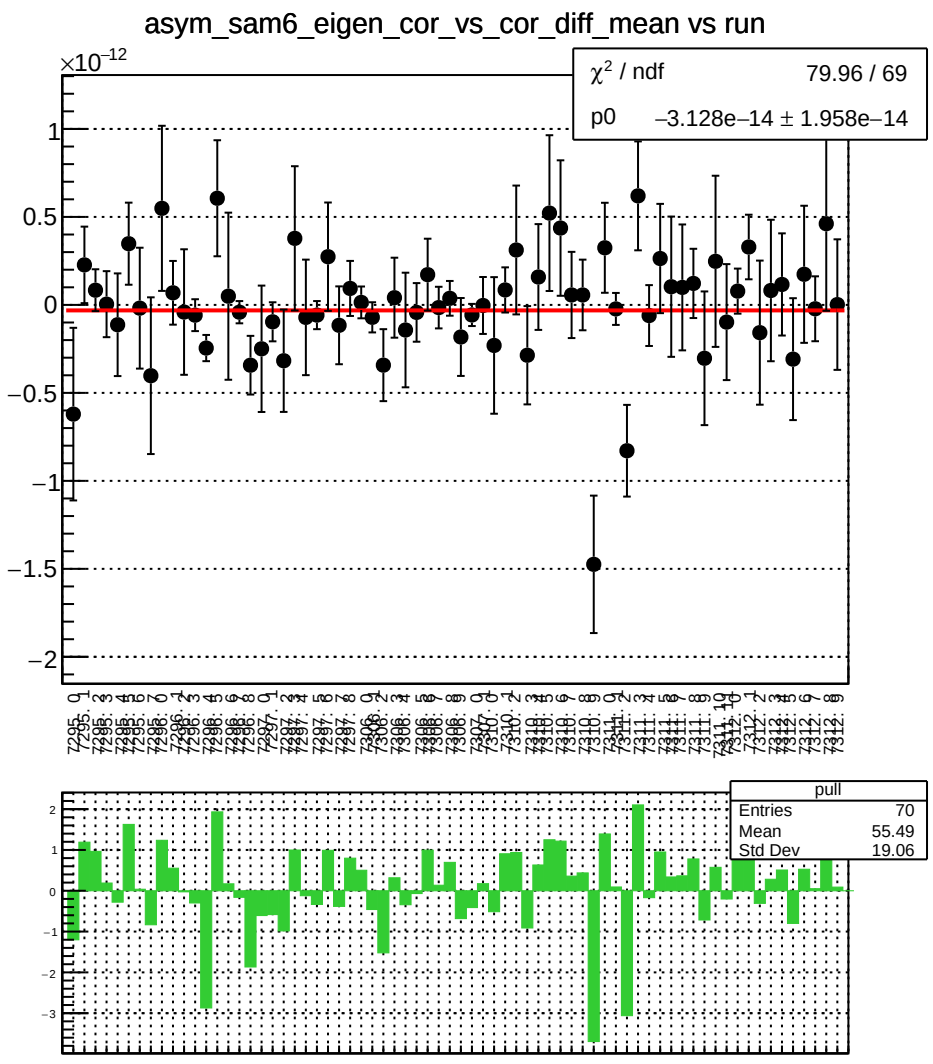

pull1D
Entries 70
Mean 0.01924
Std Dev 1.069

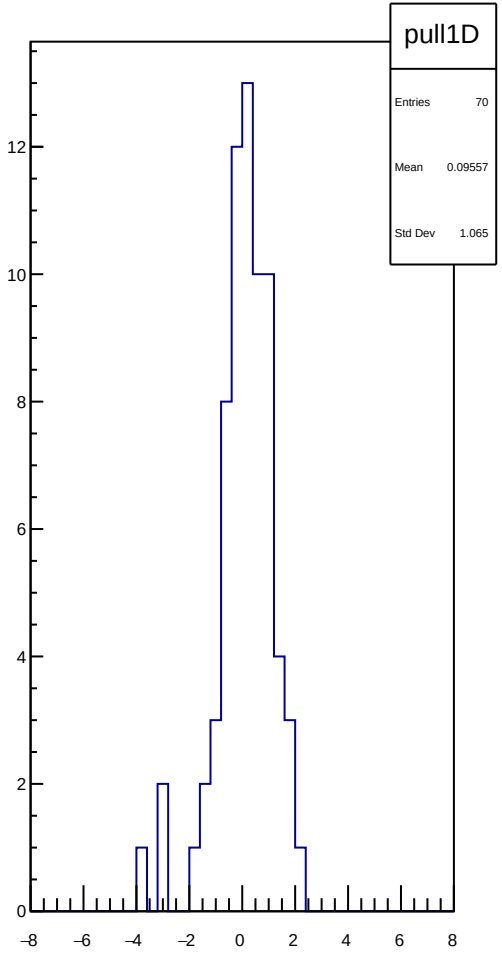

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 69
p0 67.07 ± 0.05932
110
100
90
80
70
60
50

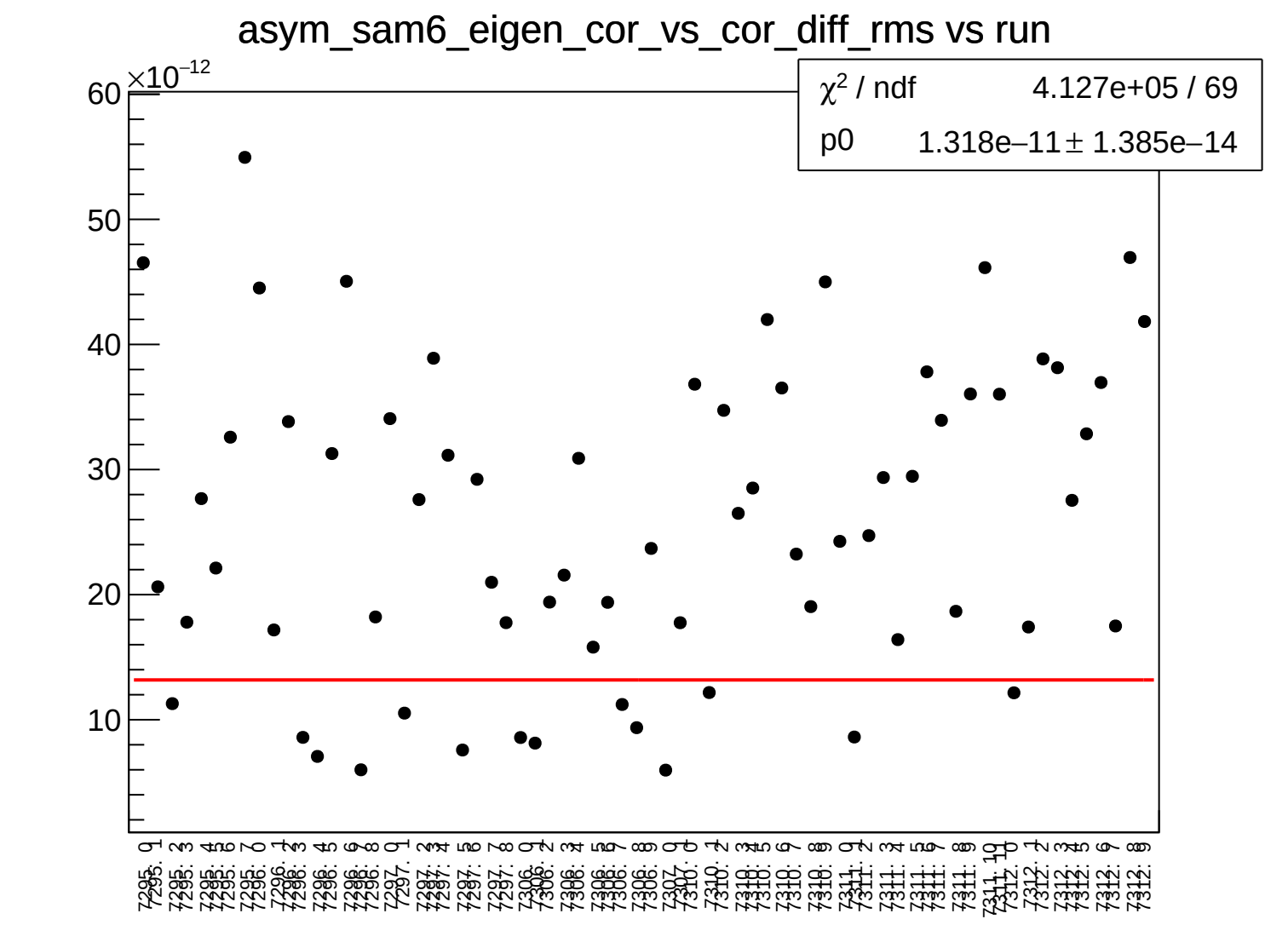

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.05 / 69
p0 0.0755 ± 0.08389
pull
Entries 70
Mean −32.69
Std Dev 0

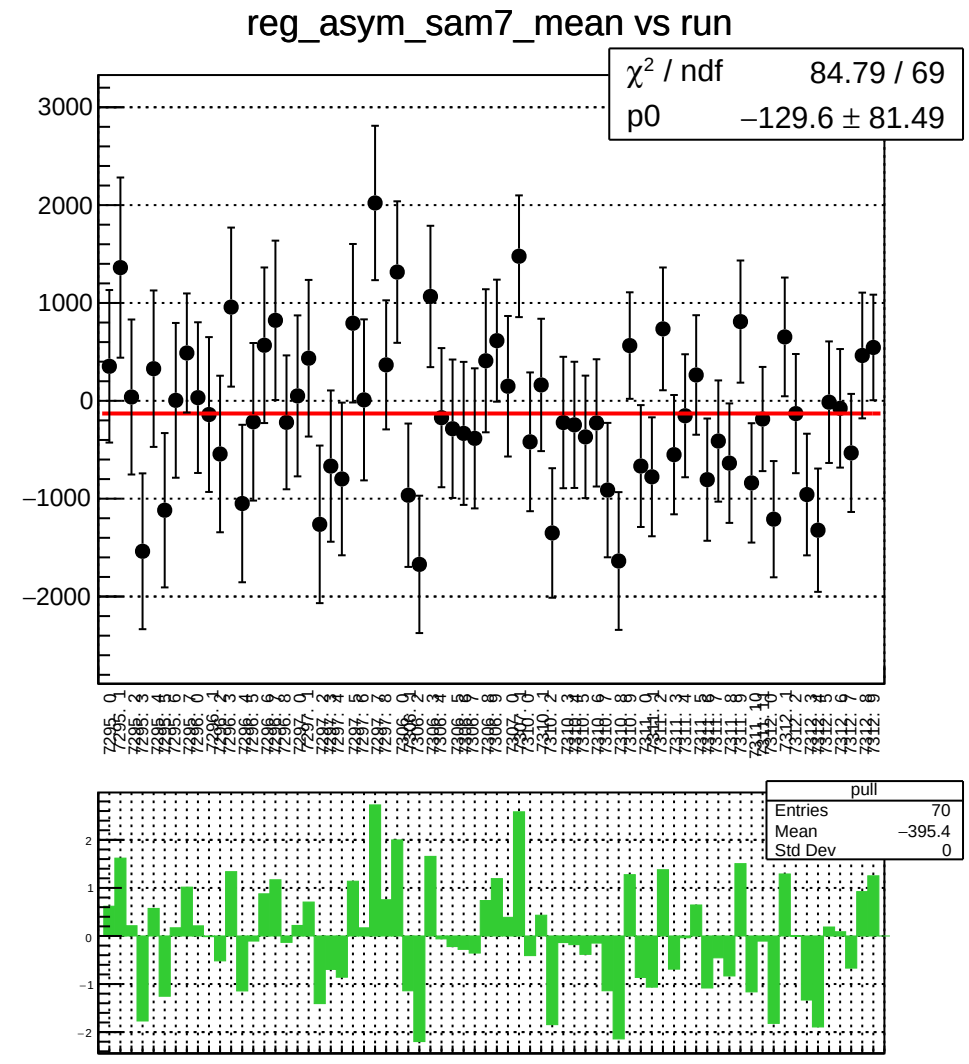

pull1D
Entries 70
Mean 0.01924
Std Dev 1.069

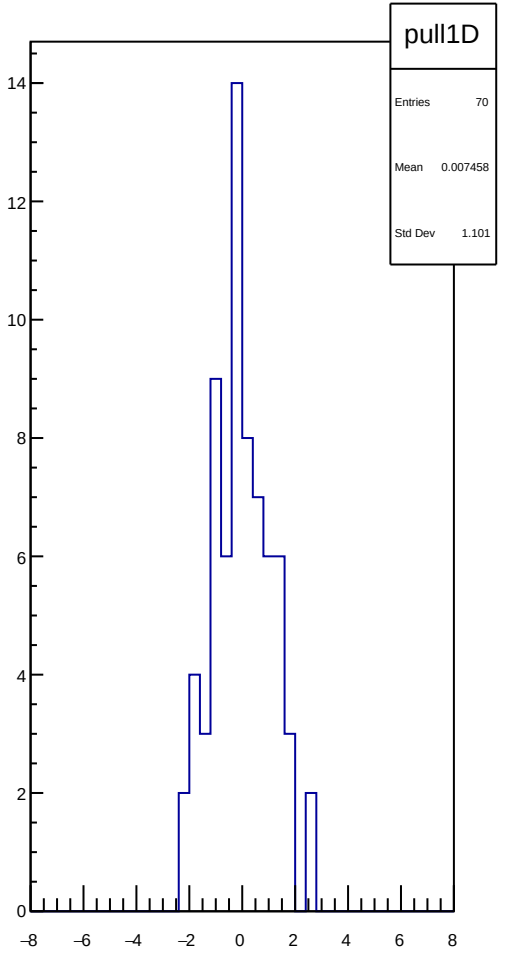

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 69
p0 67.07 ± 0.05932
110
100
90
80
70
60
50

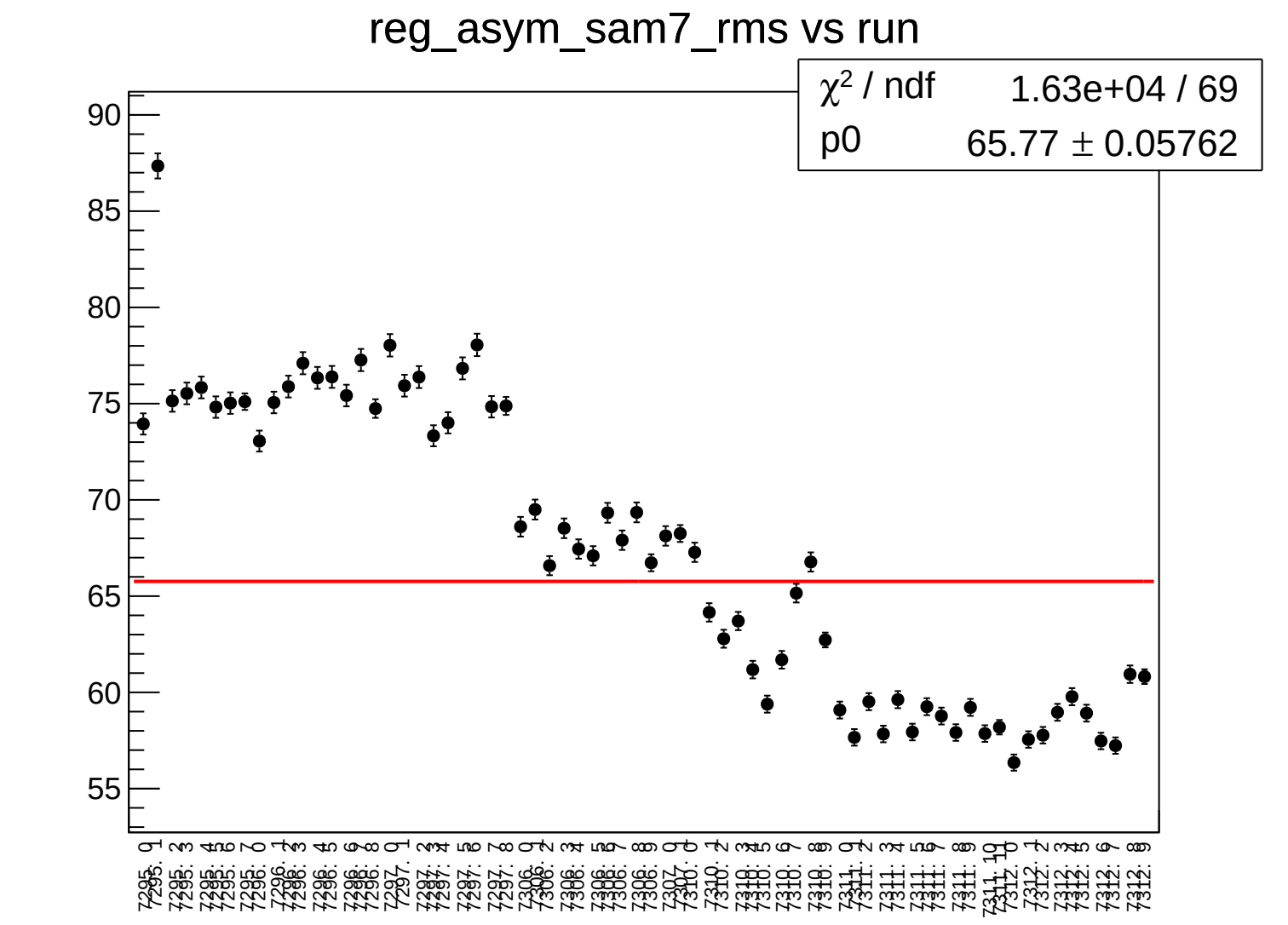

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 79.96 / 69
p0 −3.128e−14 ± 1.958e−14
pull
Entries 70
Mean 55.49
Std Dev 19.06

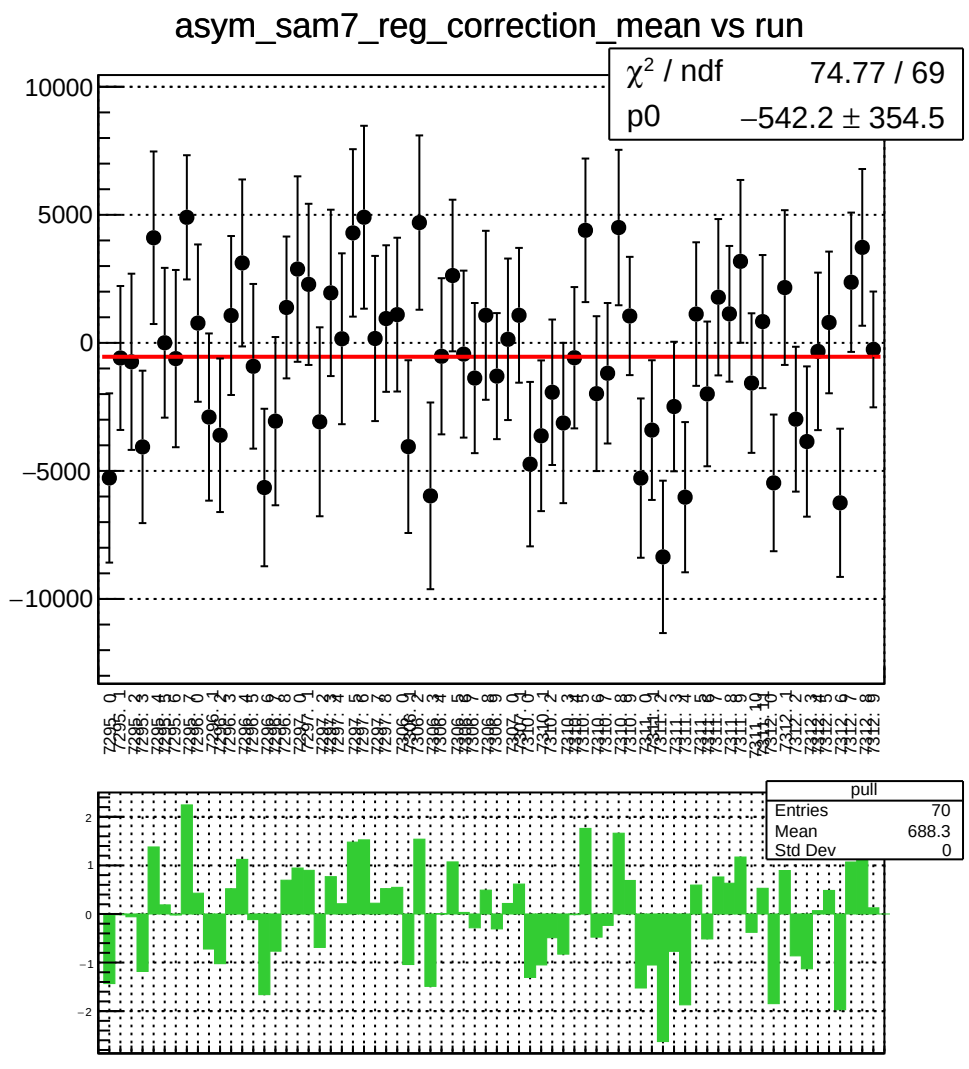

pull1D
Entries 70
Mean 0.09557
Std Dev 1.065

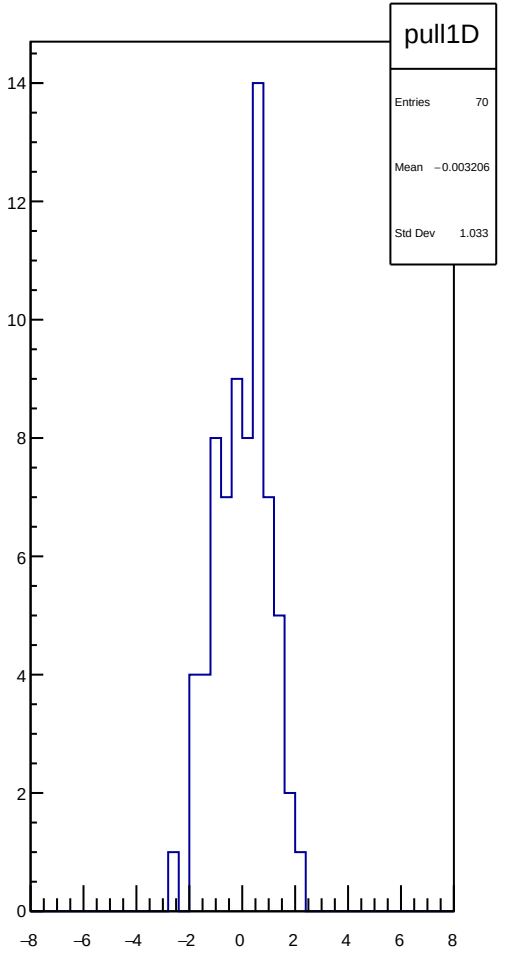

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
60
50
40
30
20
10
χ² / ndf 4.127e+05 / 69
p0 1.318e−11 ± 1.385e−14

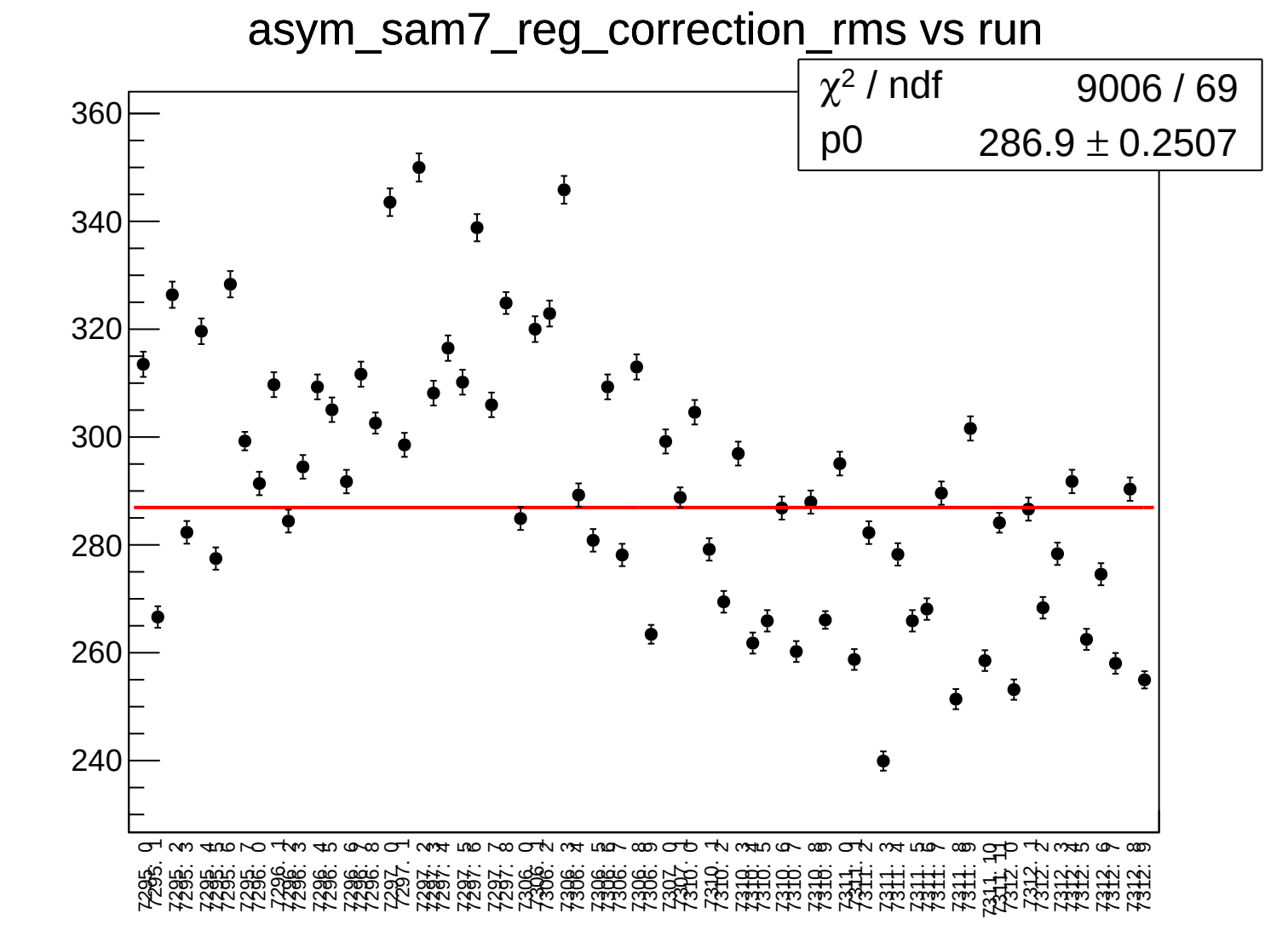

reg_asym_sam7_mean vs run
χ² / ndf 84.79 / 69
p0 −129.6 ± 81.49
3000
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −395.4
Std Dev 0
2
1
0
−1
−2

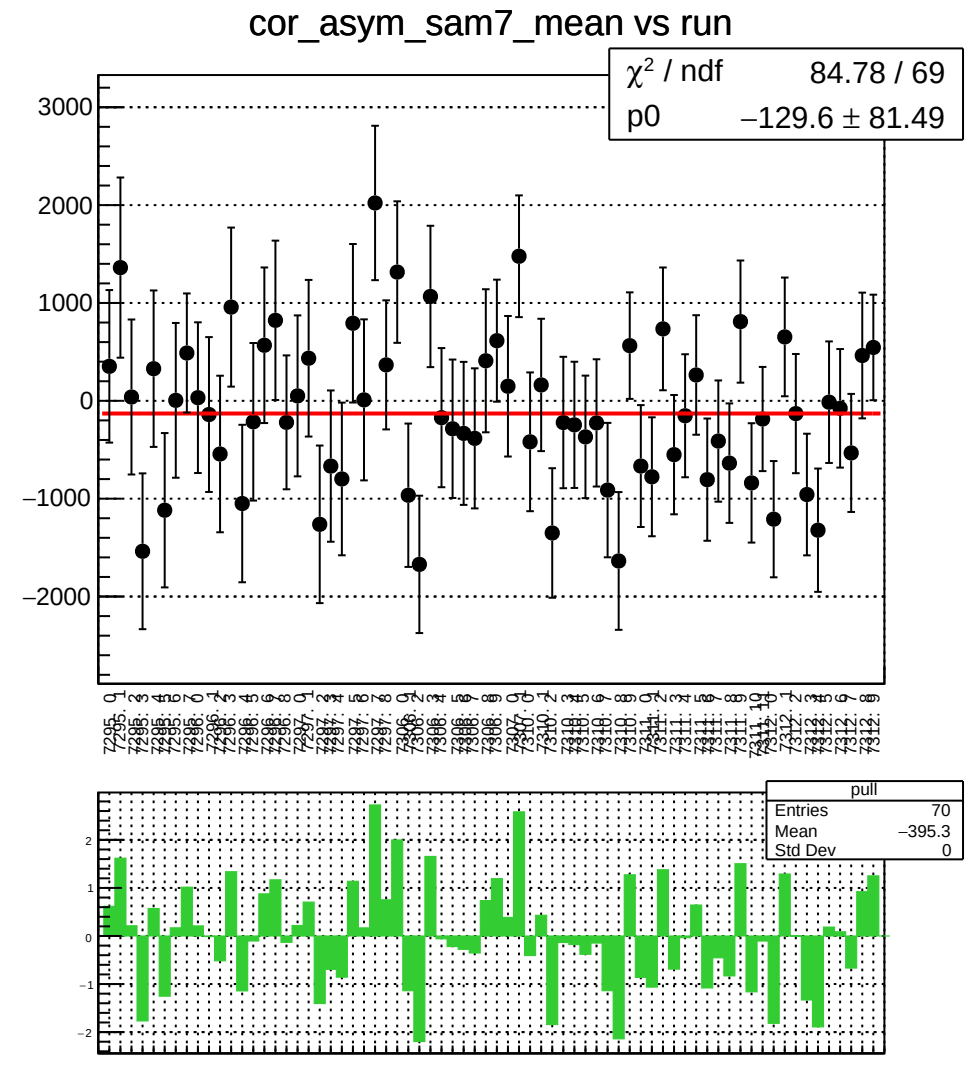

pull1D
Entries 70
Mean 0.007458
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

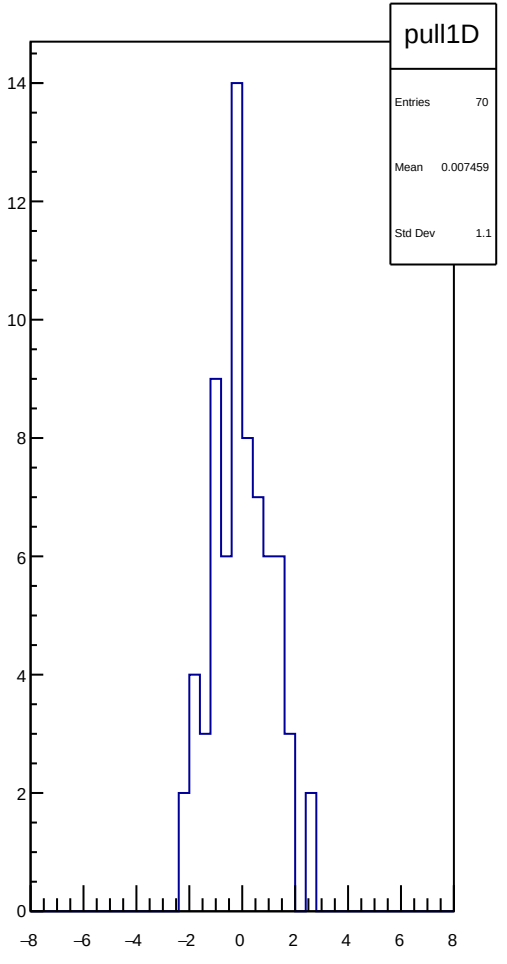

reg_asym_sam7_rms vs run
χ^2 / ndf 1.63e+04 / 69
p0 65.77 ± 0.05762
90
85
80
75
70
65
60
55

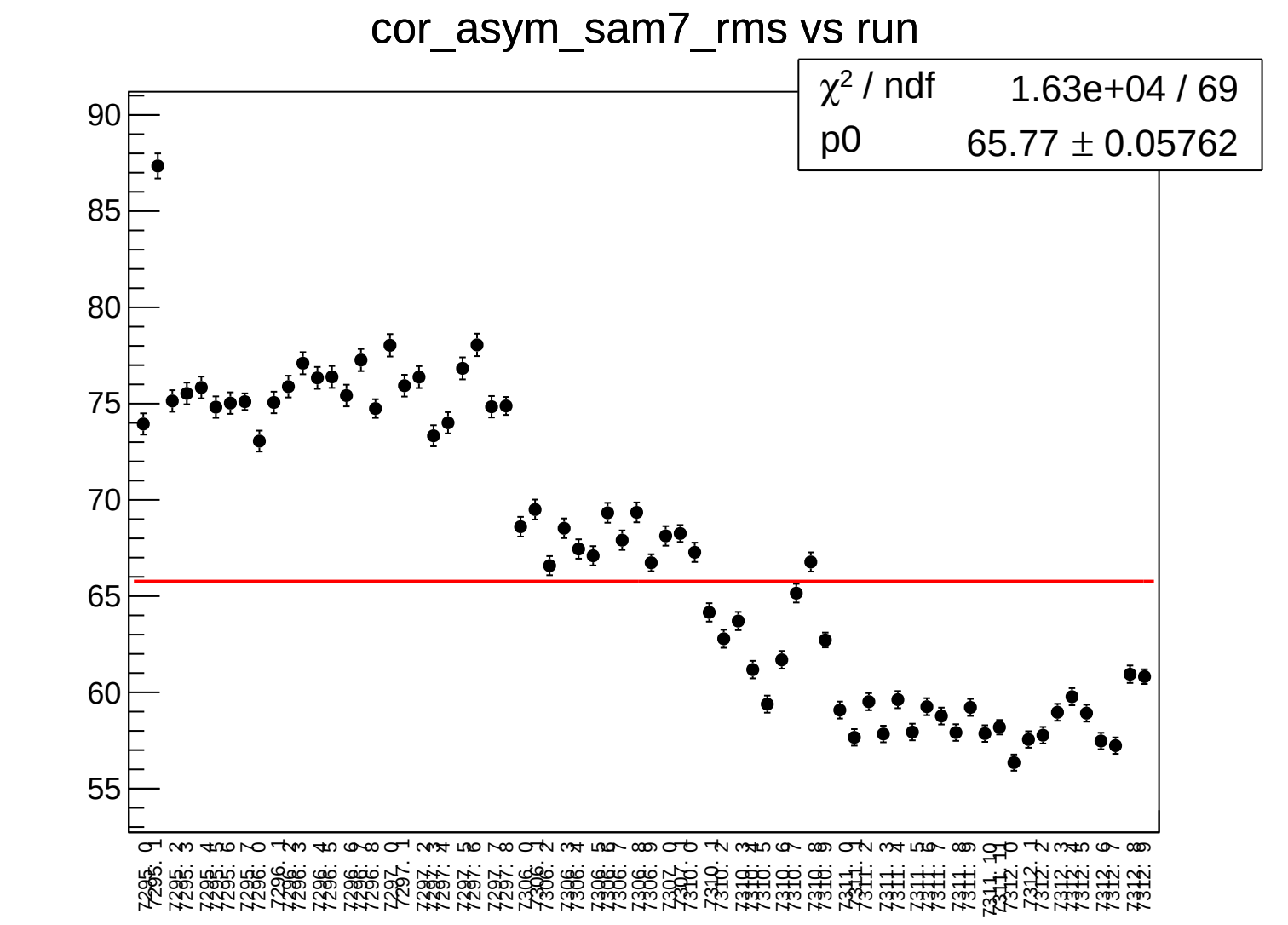

asym_sam7_reg_correction_mean vs run
χ² / ndf 74.77 / 69
p0 −542.2 ± 354.5
pull
Entries 70
Mean 688.3
Std Dev 0

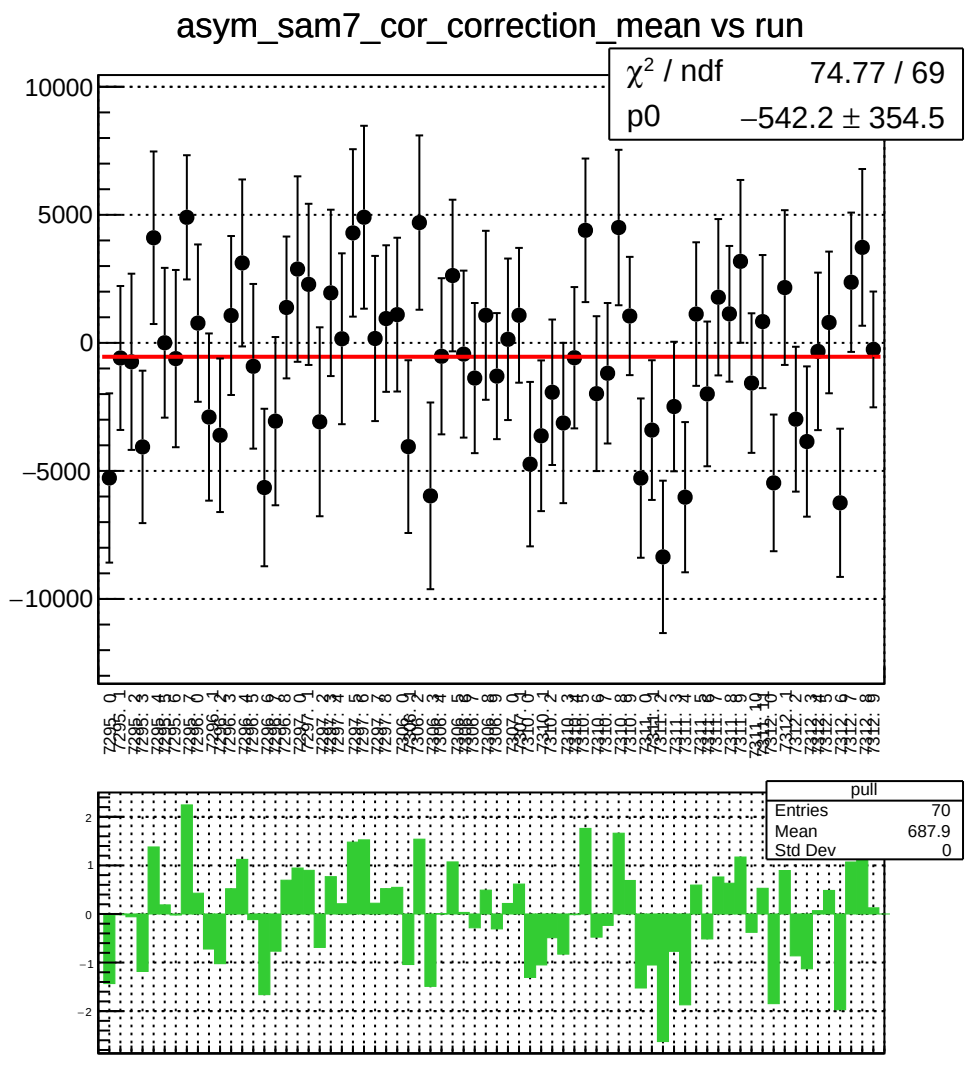

pull1D
Entries 70
Mean −0.003206
Std Dev 1.033

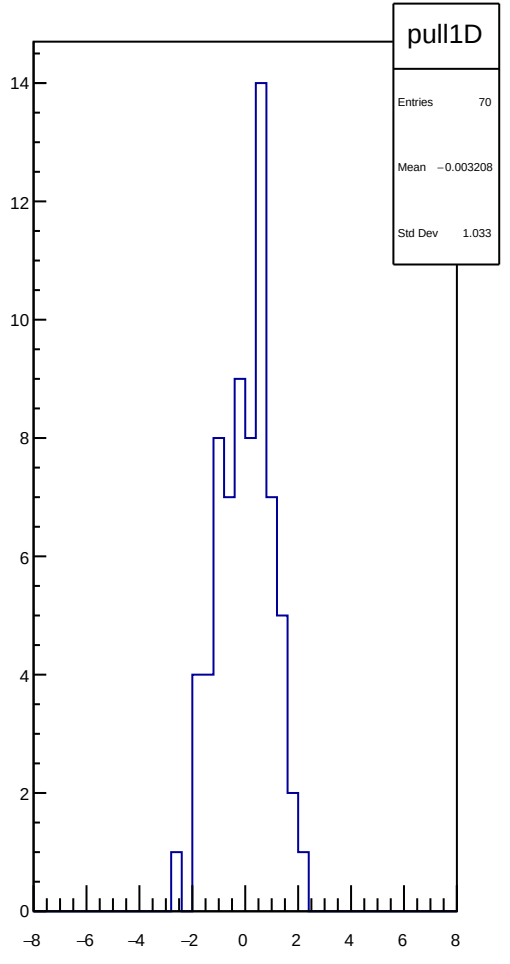

asym_sam7_reg_correction_rms vs run
χ² / ndf 9006 / 69
p0 286.9 ± 0.2507
360
340
320
300
280
260
240


cor_asym_sam7_mean vs run
χ² / ndf 84.78 / 69
p0 −129.6 ± 81.49
3000
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −395.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean 0.007459
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam7_rms vs run
χ^2 / ndf 1.63e+04 / 69
p0 65.77 ± 0.05762
90
85
80
75
70
65
60
55


asym_sam7_cor_correction_mean vs run
χ² / ndf 74.77 / 69
p0 −542.2 ± 354.5
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 687.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean −0.003208
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
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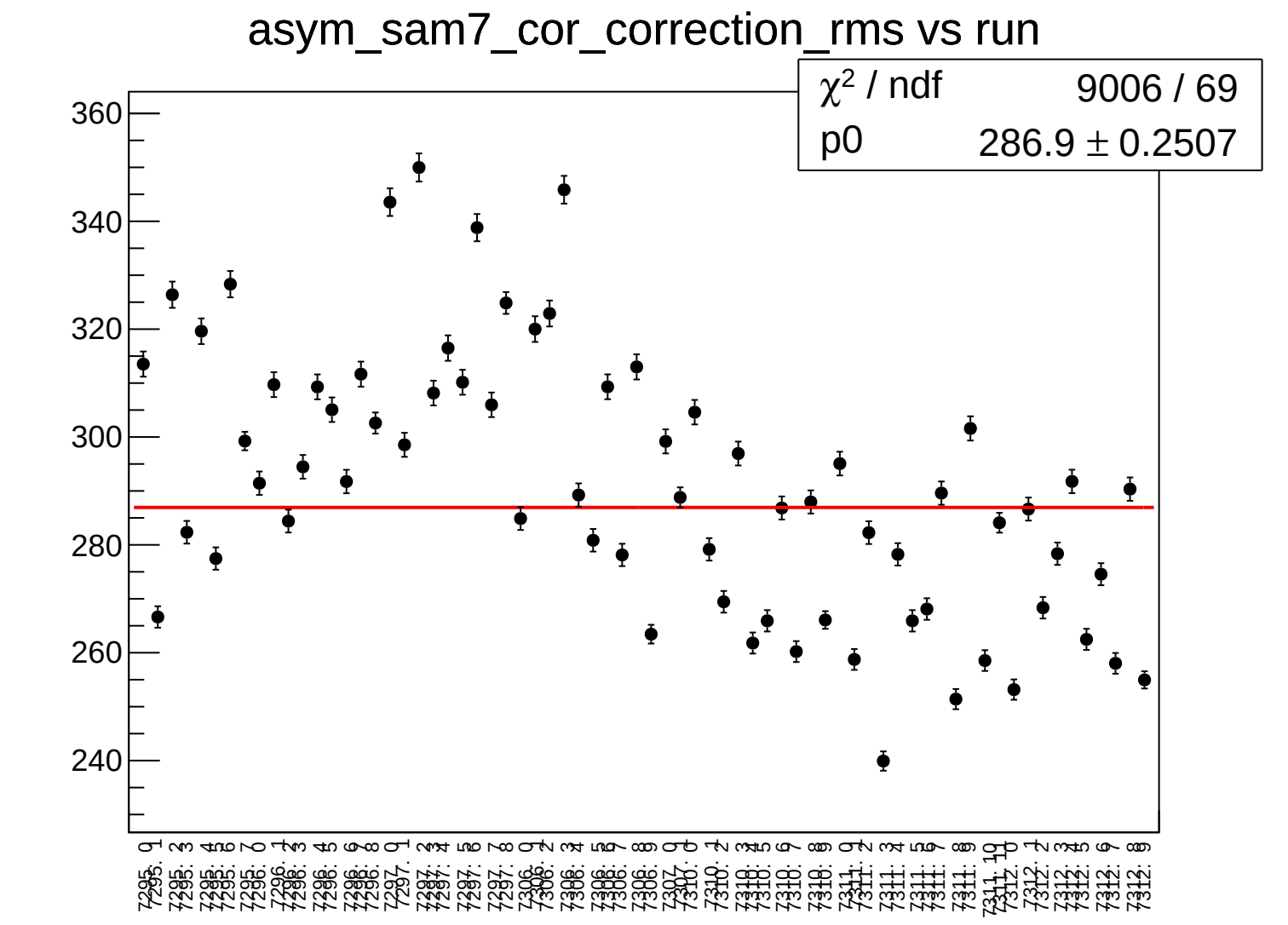
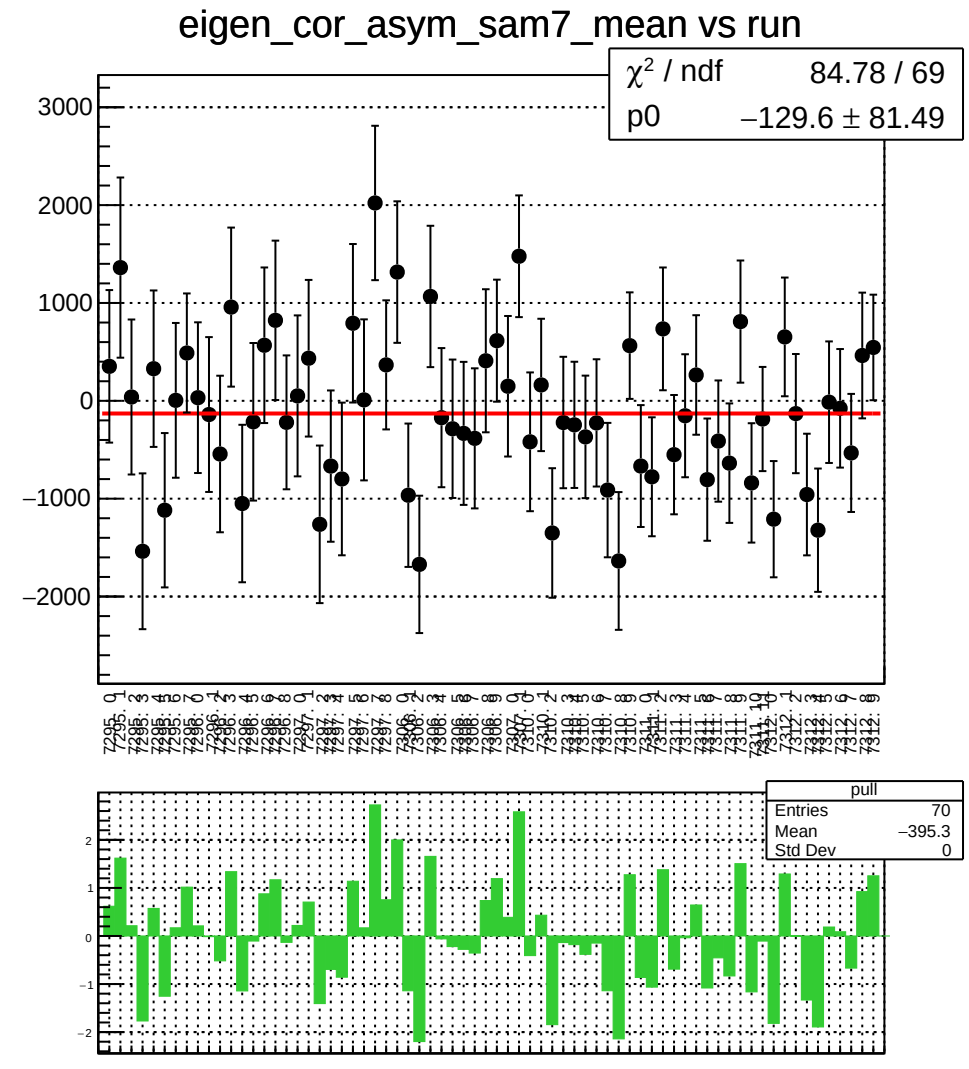
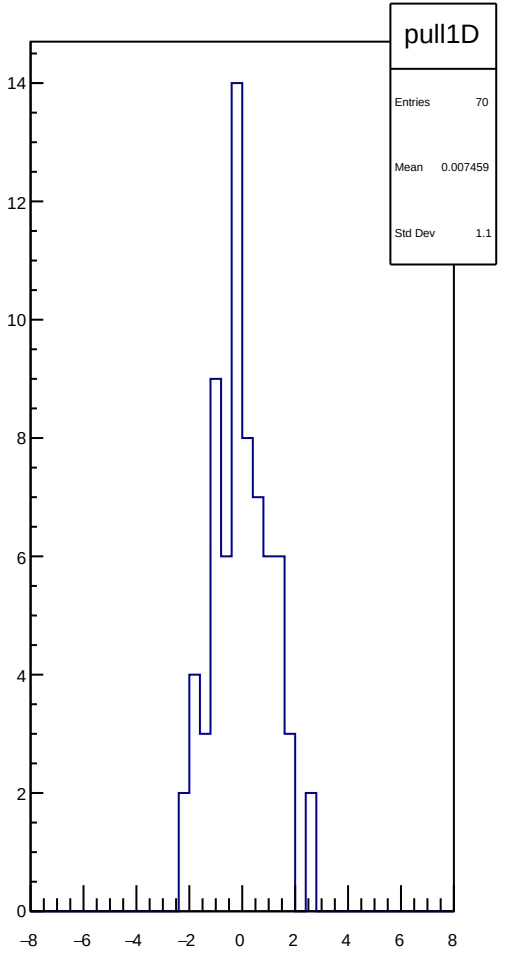
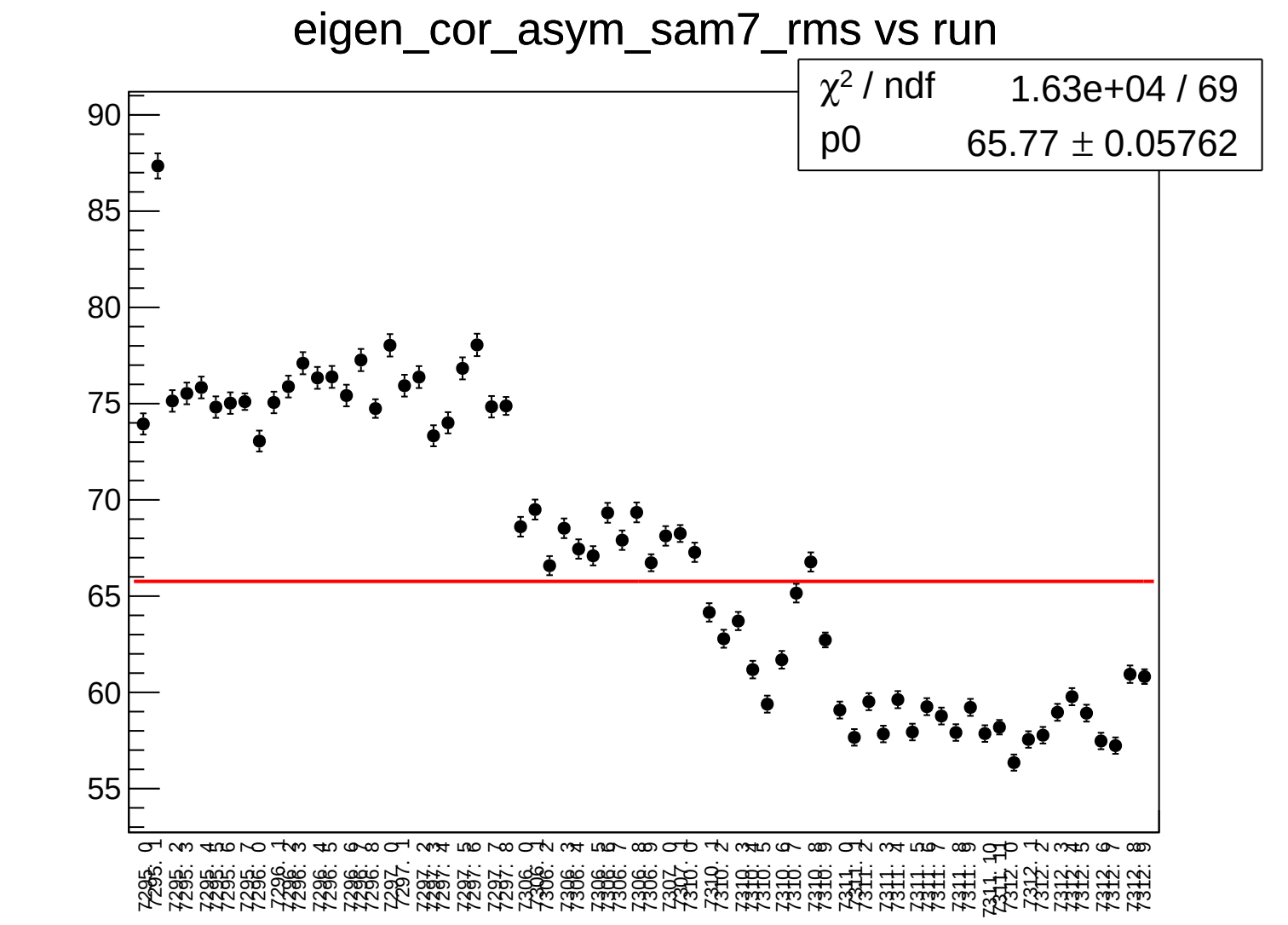
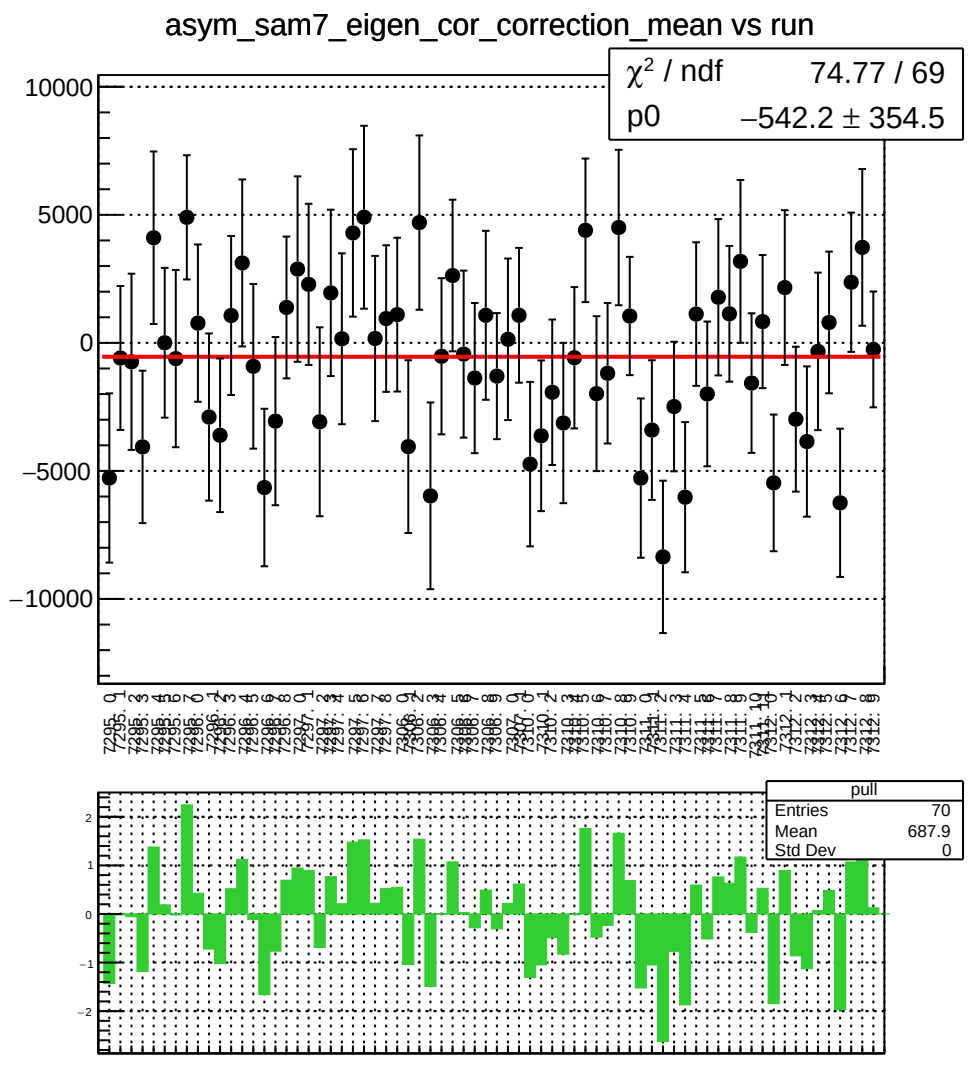
2
4
6
8

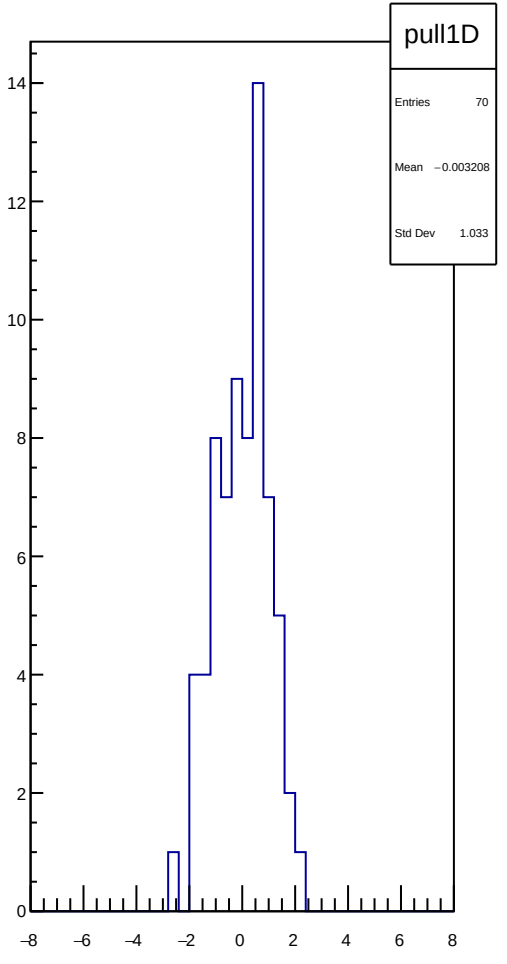

asym_sam7_cor_correction_rms vs run
χ² / ndf 9006 / 69
p0 286.9 ± 0.2507
360
340
320
300
280
260
240

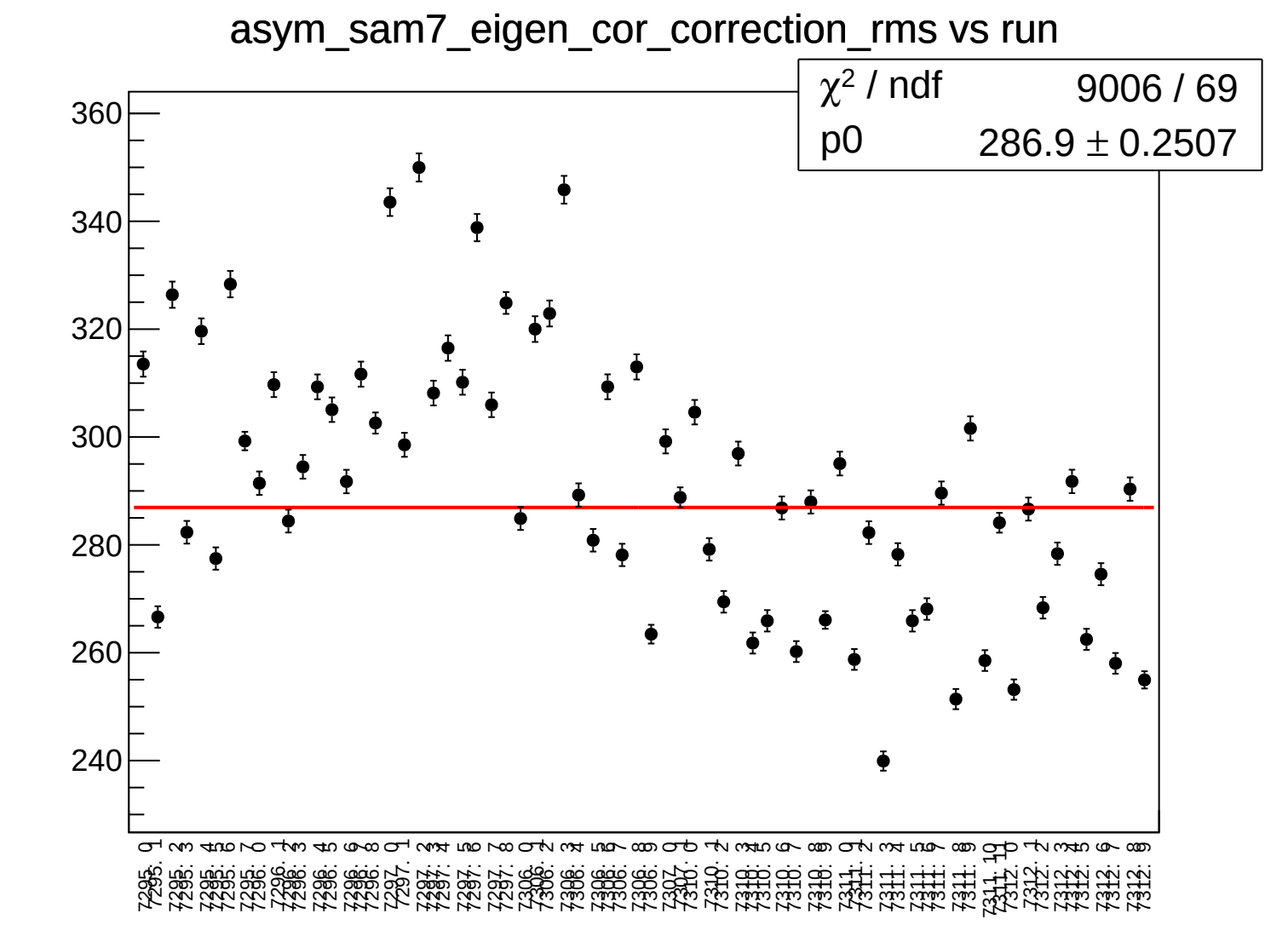

eigen_cor_asym_sam7_mean vs run
χ² / ndf 84.78 / 69
p0 −129.6 ± 81.49
pull
Entries 70
Mean −395.3
Std Dev 0

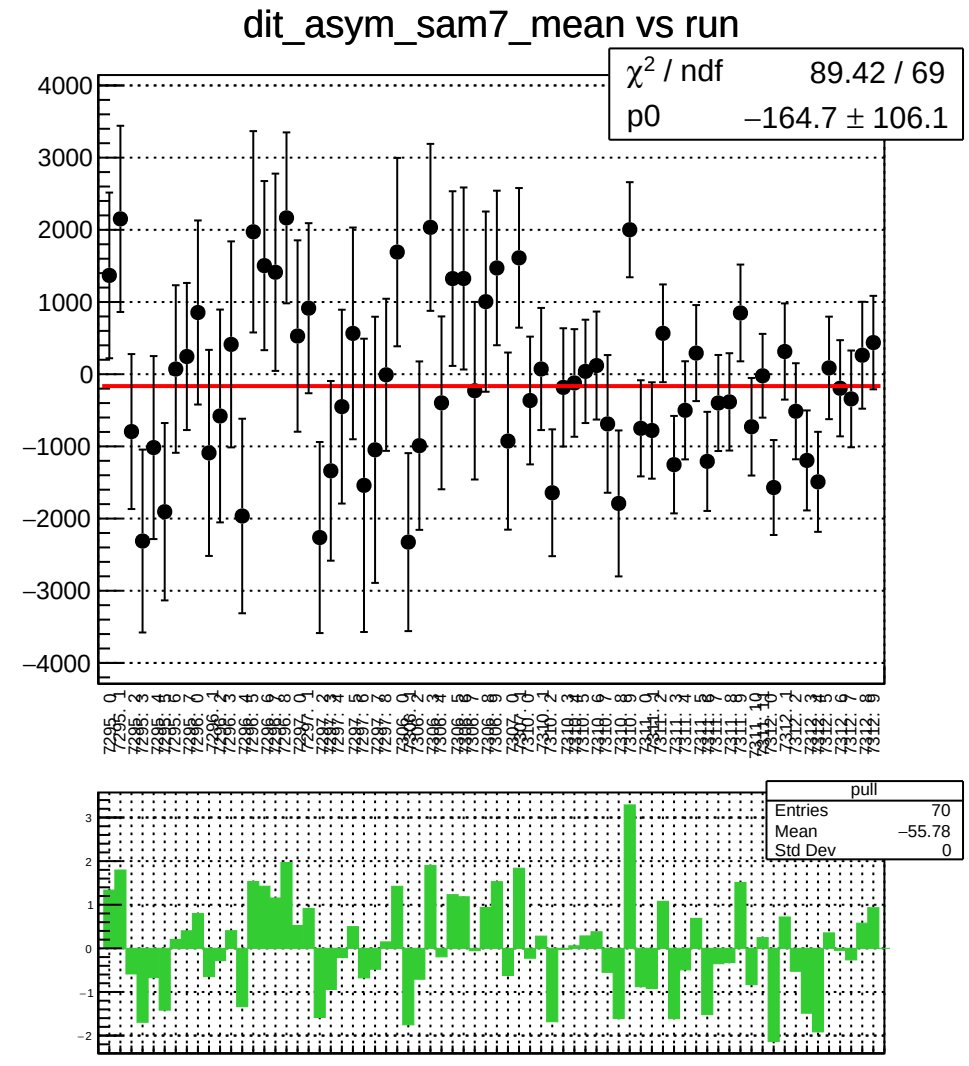

pull1D
Entries 70
Mean 0.007459
Std Dev 1.1

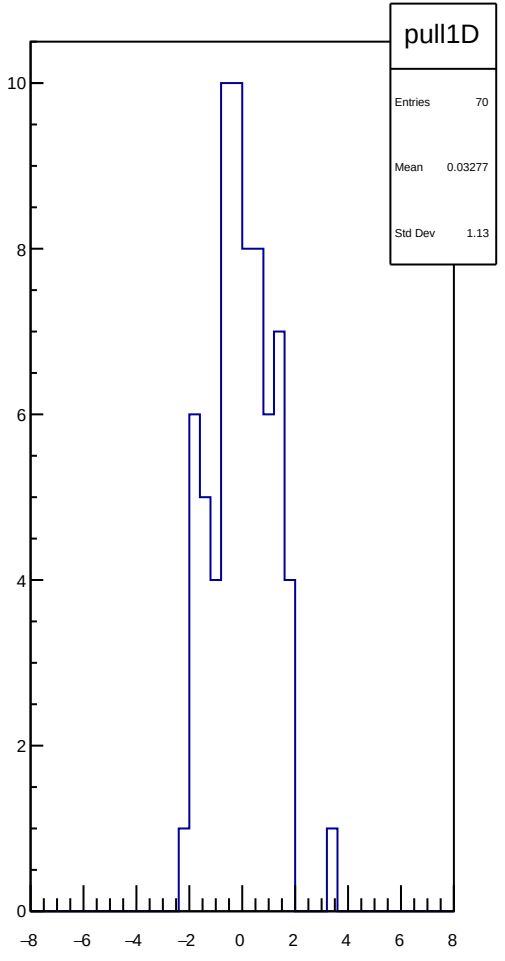

eigen_cor_asym_sam7_rms vs run
χ^2 / ndf 1.63e+04 / 69
p0 65.77 ± 0.05762
90
85
80
75
70
65
60
55

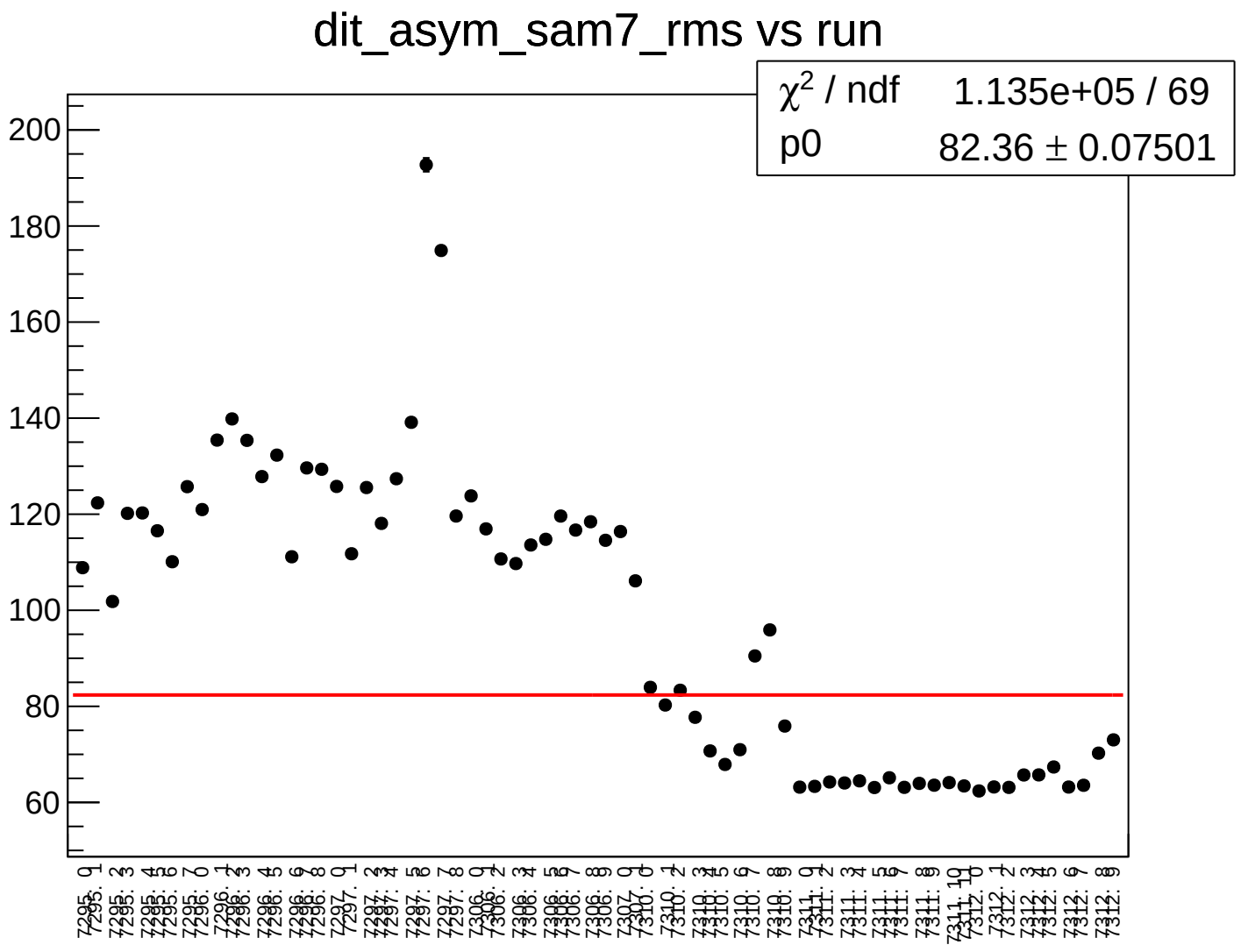

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 74.77 / 69
p0 −542.2 ± 354.5
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 687.9
Std Dev 0
2
1
0
−1
−2

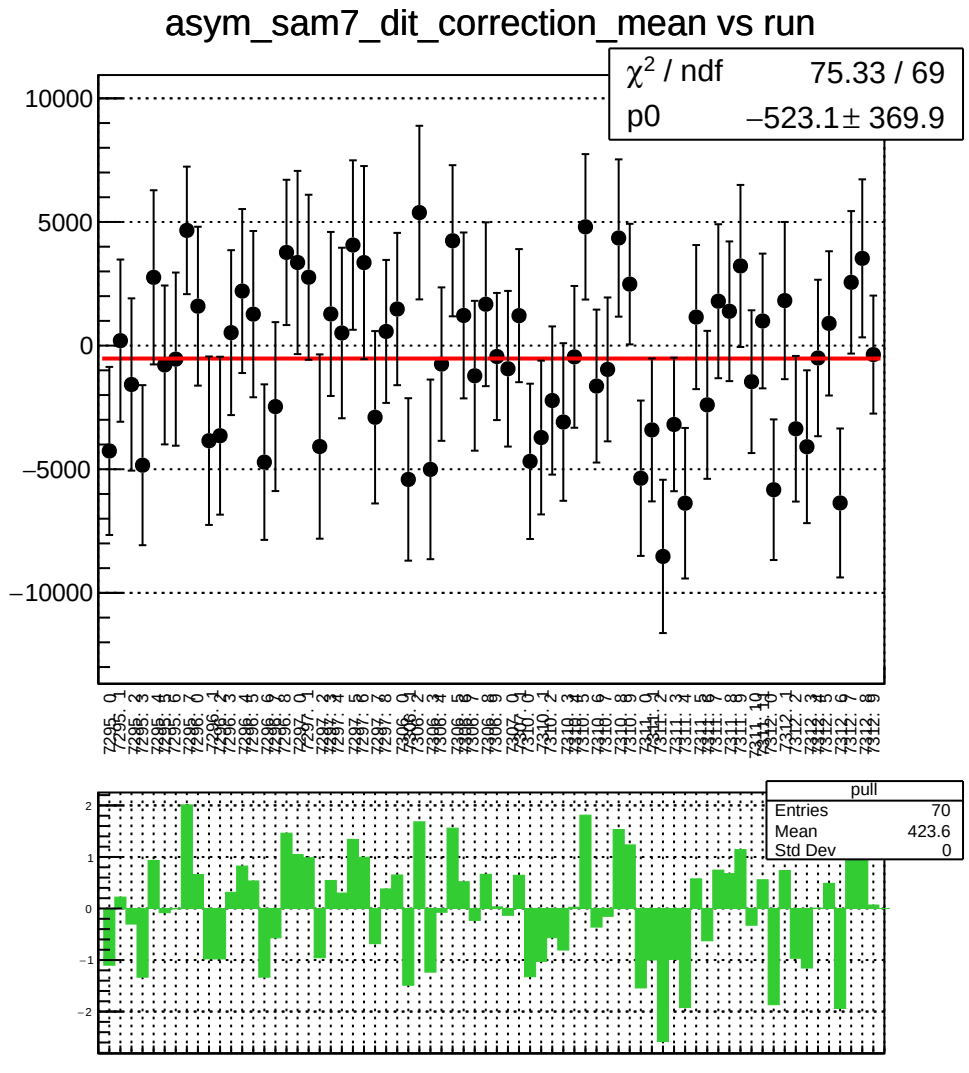

pull1D
Entries 70
Mean −0.003208
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

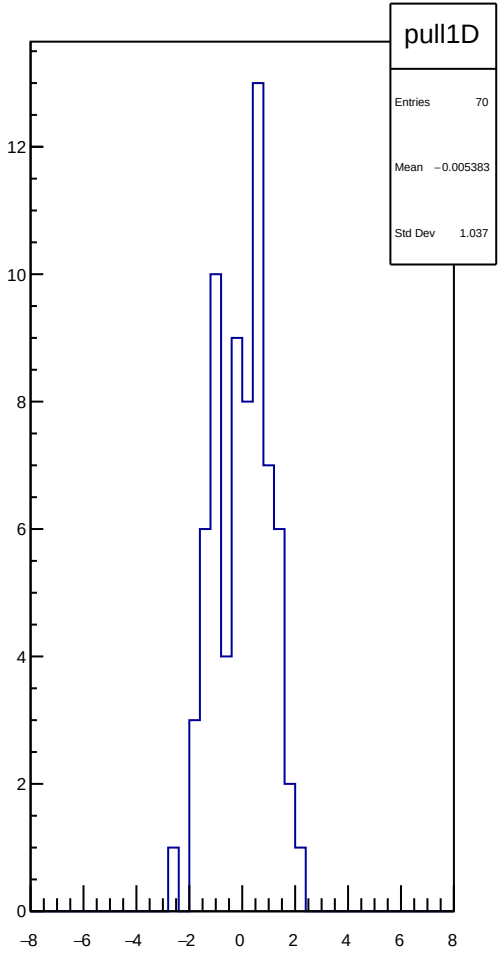

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 9006 / 69
p0 286.9 ± 0.2507
360
340
320
300
280
260
240

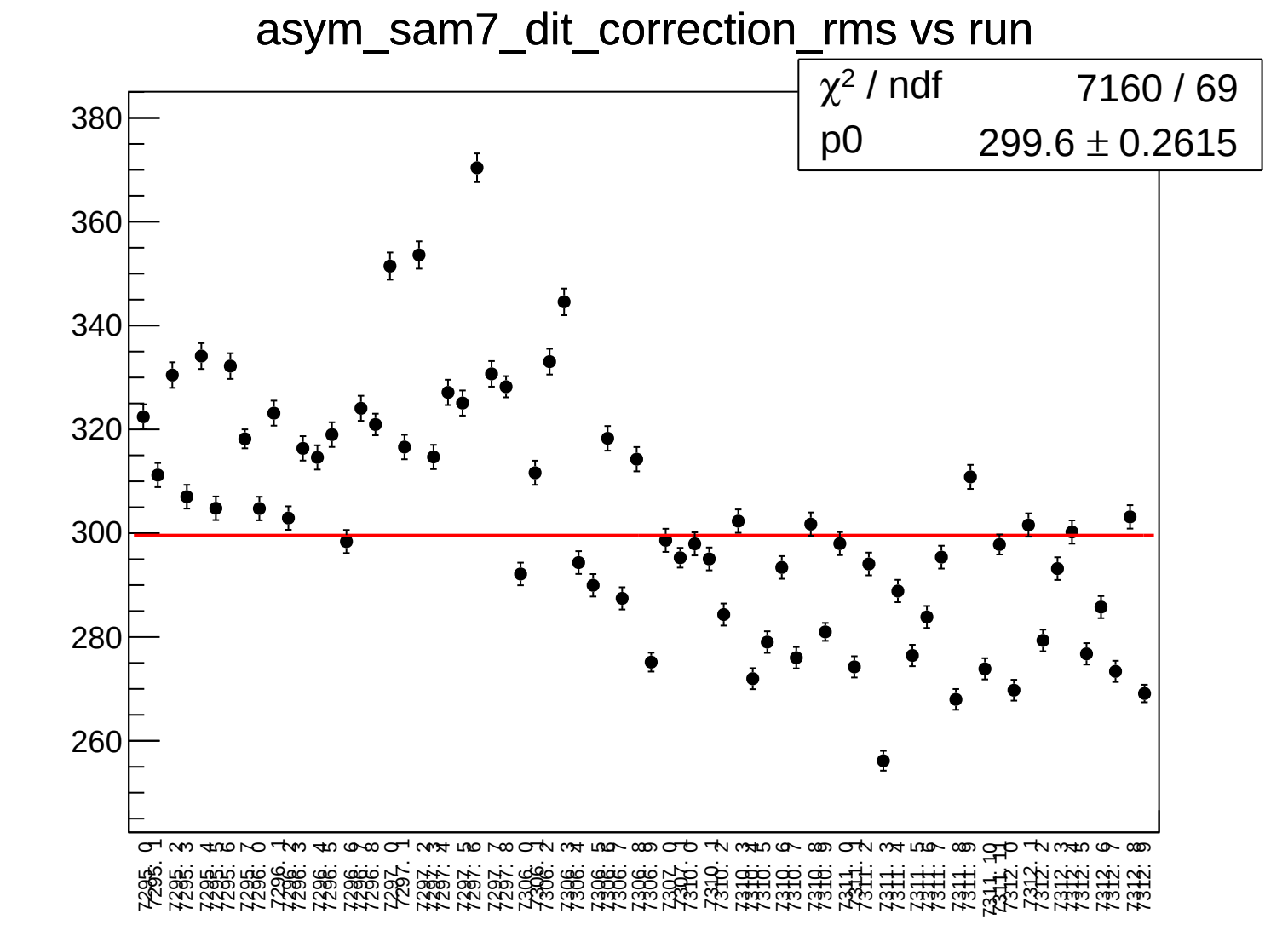

dit_asym_sam7_mean vs run
χ² / ndf 89.42 / 69
p0 −164.7 ± 106.1
pull
Entries 70
Mean −55.78
Std Dev 0

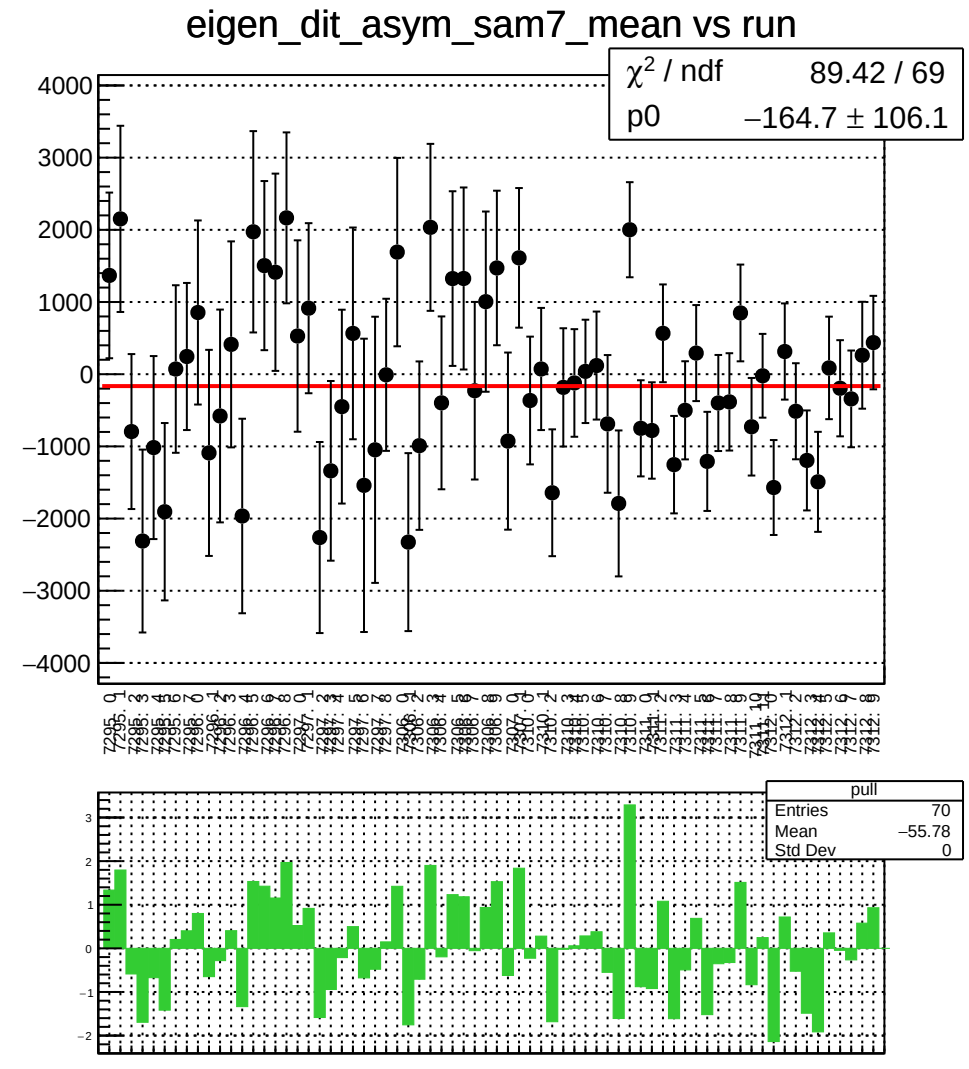

pull1D
Entries 70
Mean 0.03277
Std Dev 1.13

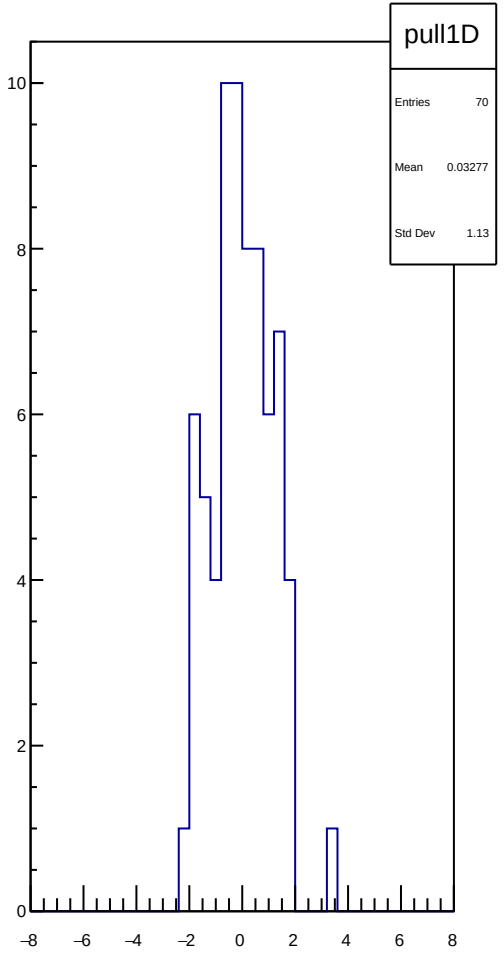

dit_asym_sam7_rms vs run
χ^2 / ndf 1.135e+05 / 69
p0 82.36 ± 0.07501
200
180
160
140
120
100
80
60

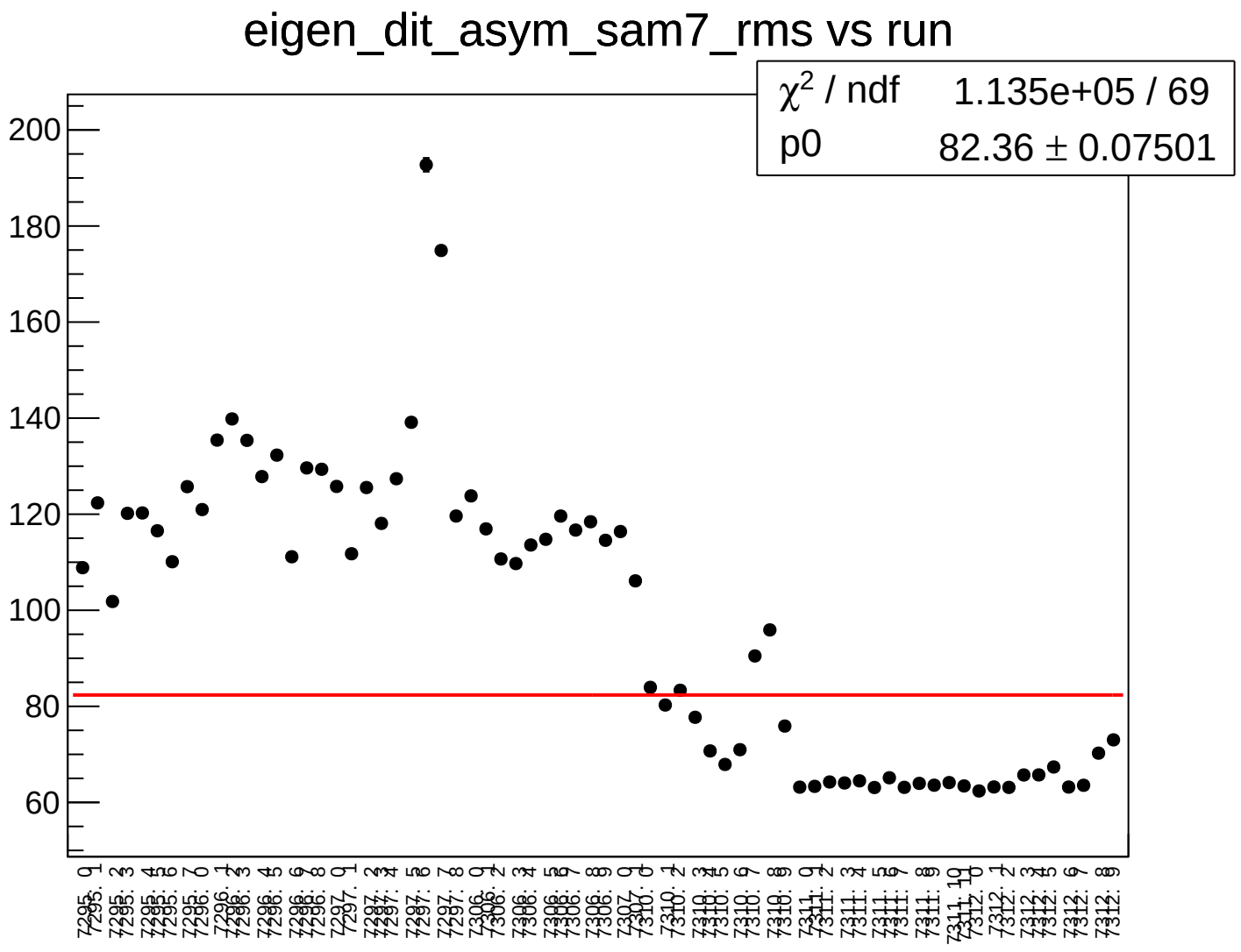

asym_sam7_dit_correction_mean vs run
χ² / ndf 75.33 / 69
p0 −523.1± 369.9
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 423.6
Std Dev 0
2
1
0
−1
−2

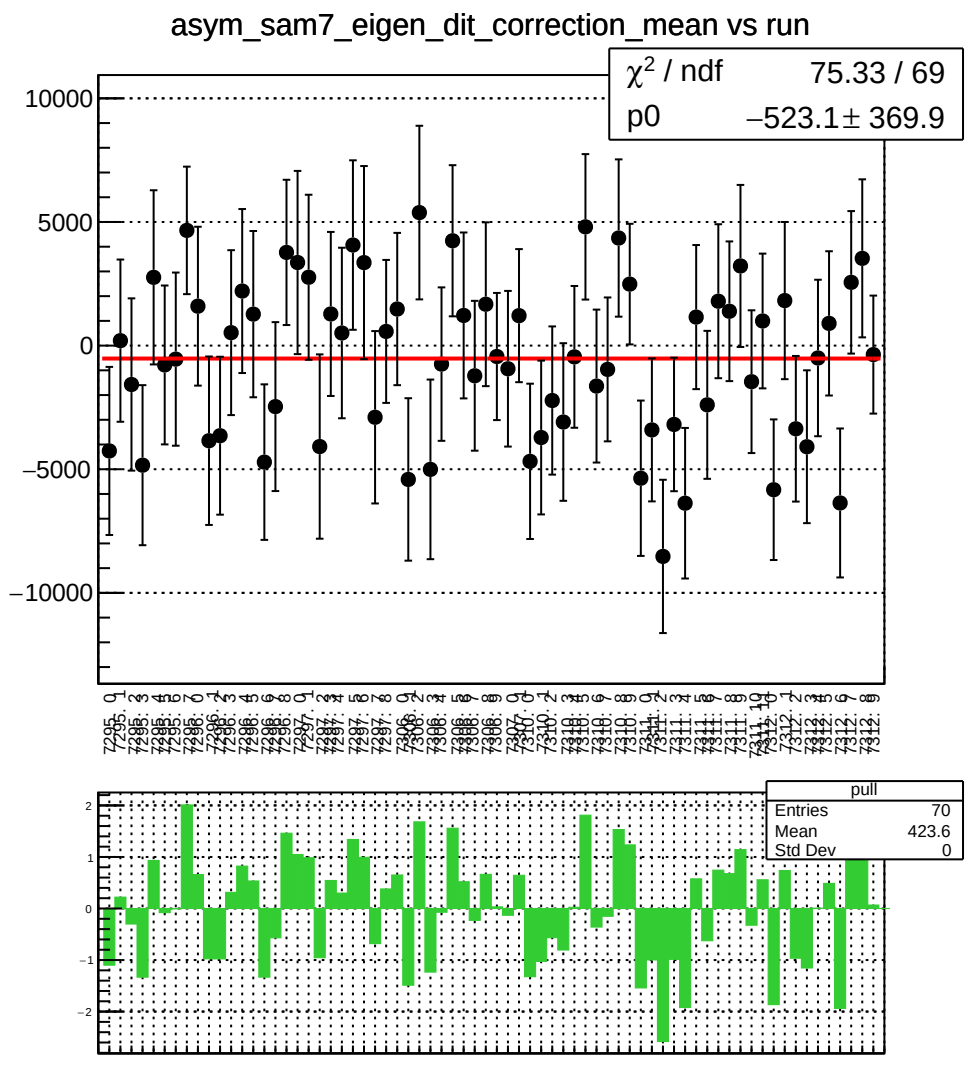

pull1D
Entries 70
Mean −0.005383
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

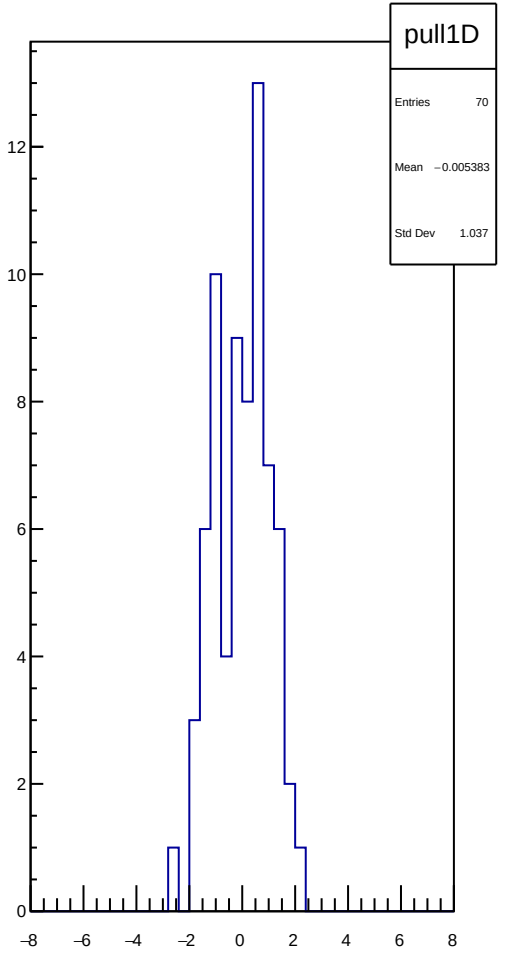

asym_sam7_dit_correction_rms vs run
χ² / ndf 7160 / 69
p0 299.6 ± 0.2615
380
360
340
320
300
280
260

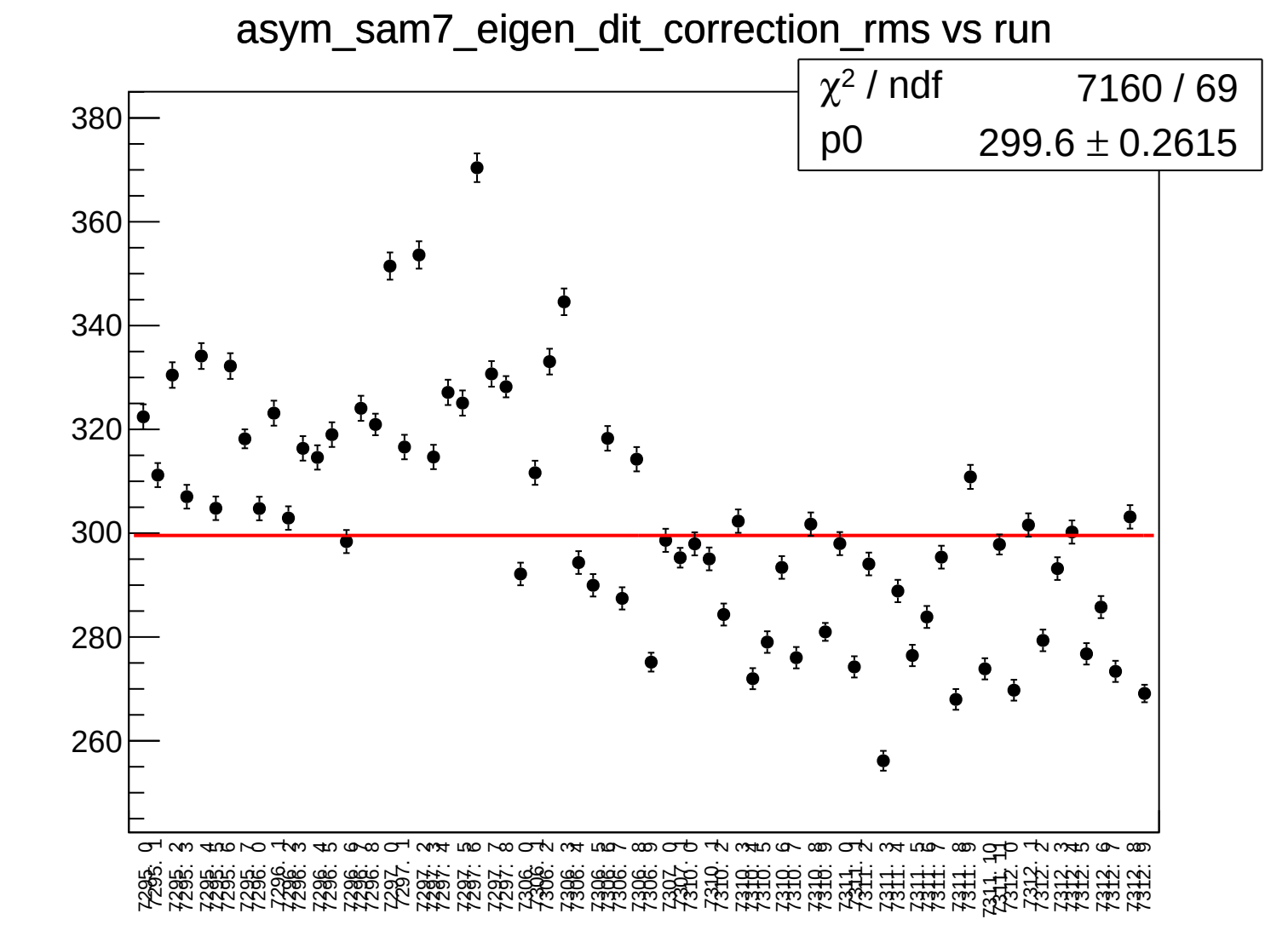

eigen_dit_asym_sam7_mean vs run
χ² / ndf 89.42 / 69
p0 −164.7 ± 106.1
pull
Entries 70
Mean −55.78
Std Dev 0

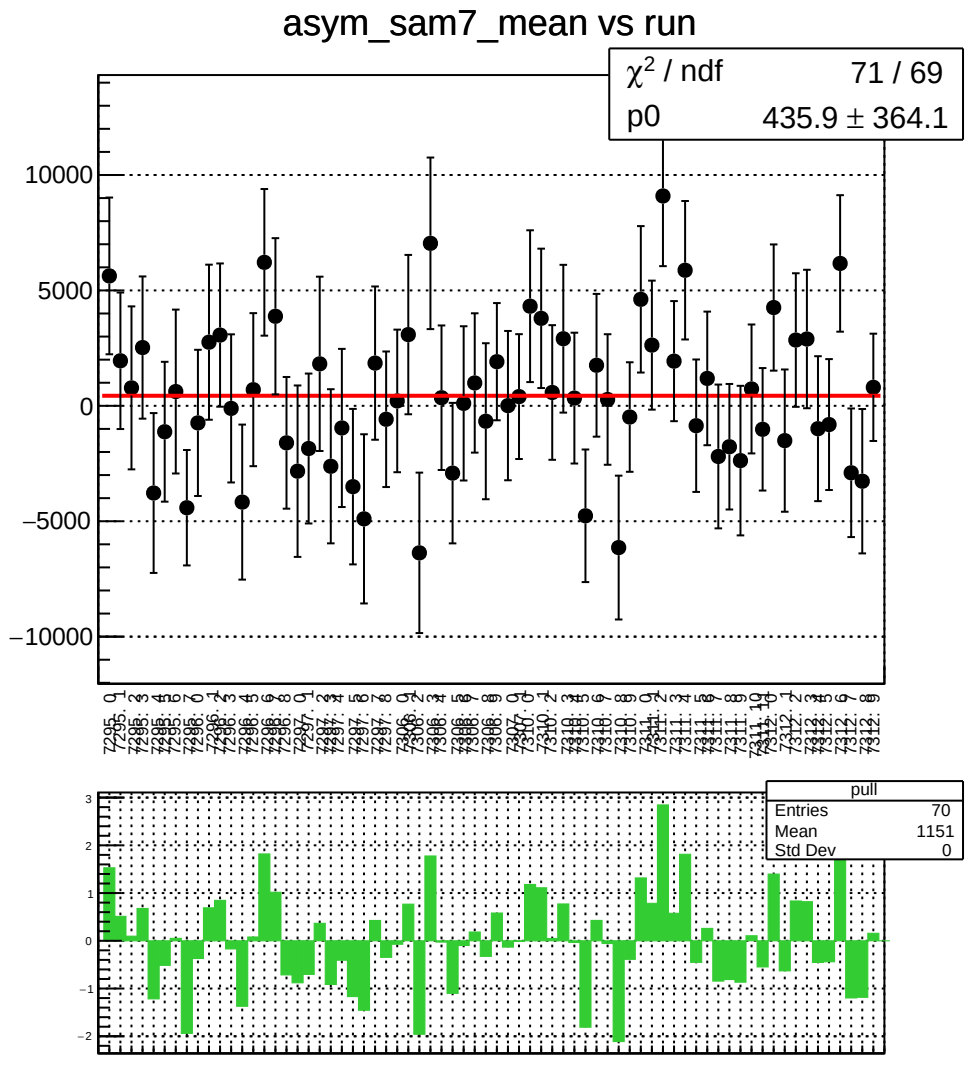

pull1D
Entries 70
Mean 0.03277
Std Dev 1.13

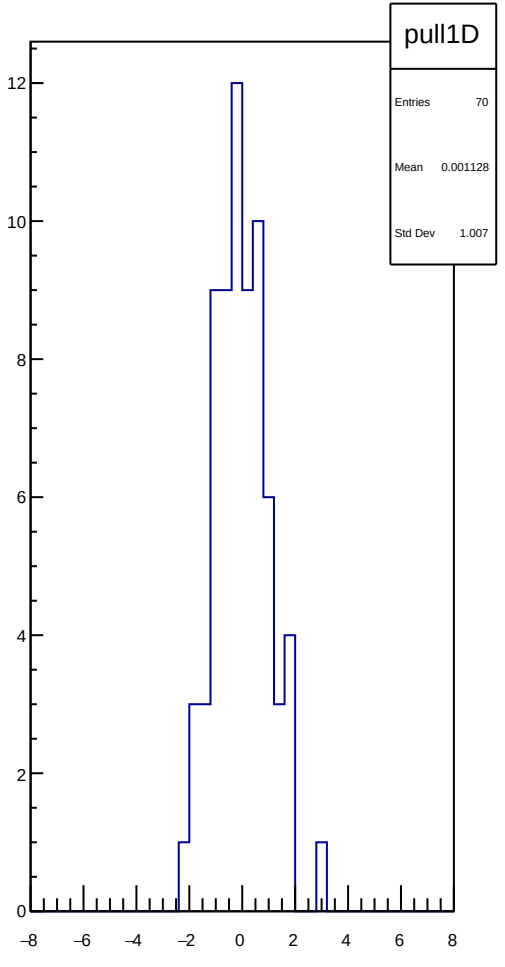

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 1.135e+05 / 69
p0 82.36 ± 0.07501
200
180
160
140
120
100
80
60


asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 75.33 / 69
p0 −523.1± 369.9
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 423.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 70
Mean −0.005383
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 7160 / 69
p0 299.6 ± 0.2615
380
360
340
320
300
280
260


asym_sam7_mean vs run
χ² / ndf 71 / 69
p0 435.9 ± 364.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 1151
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 70
Mean 0.001128
Std Dev 1.007
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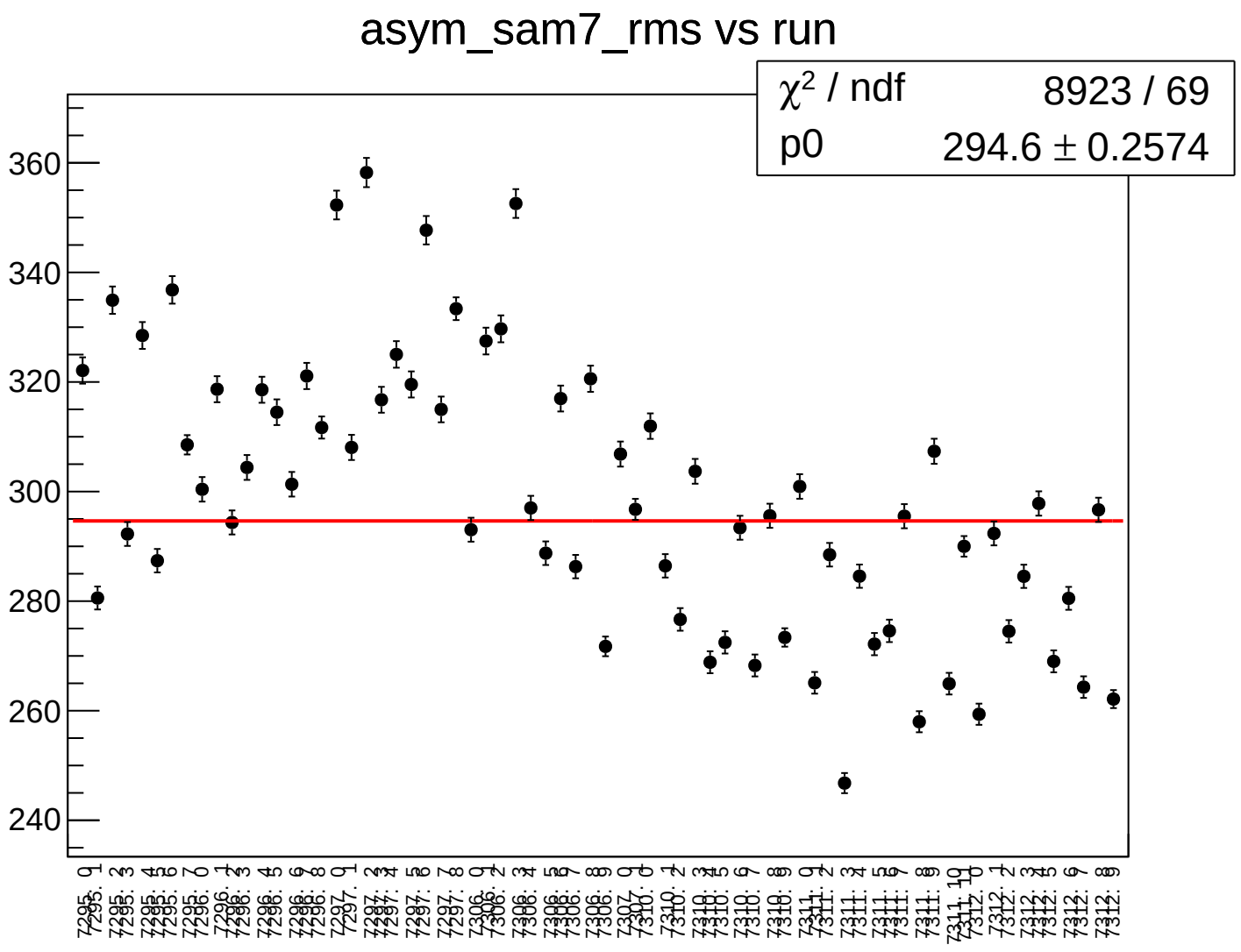
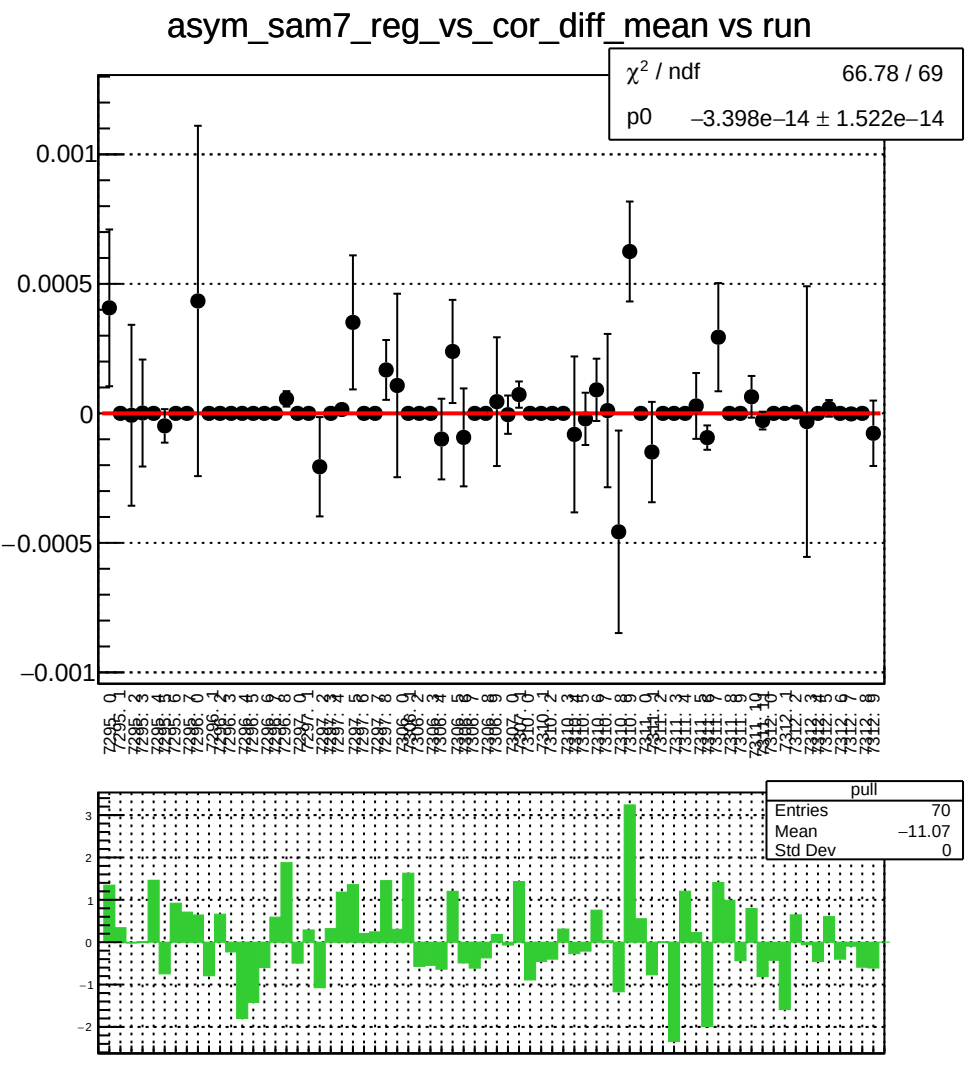
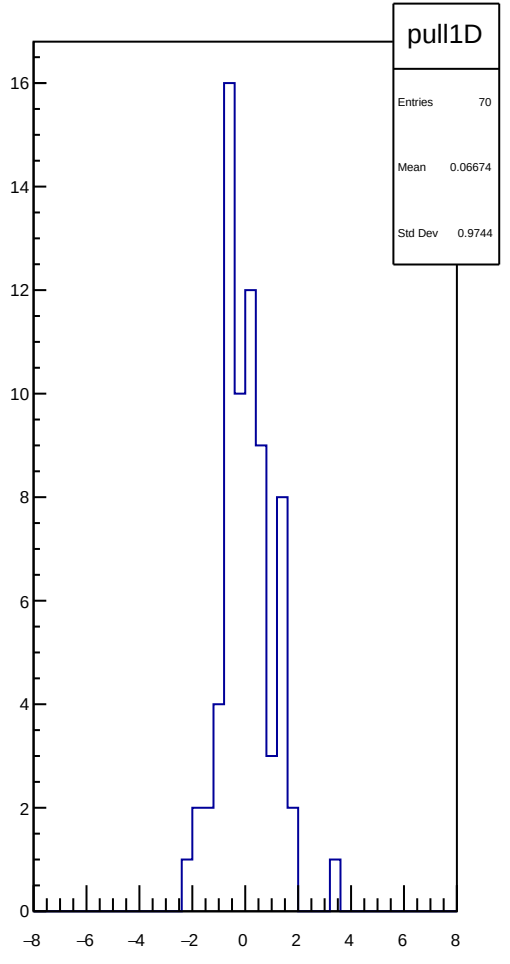
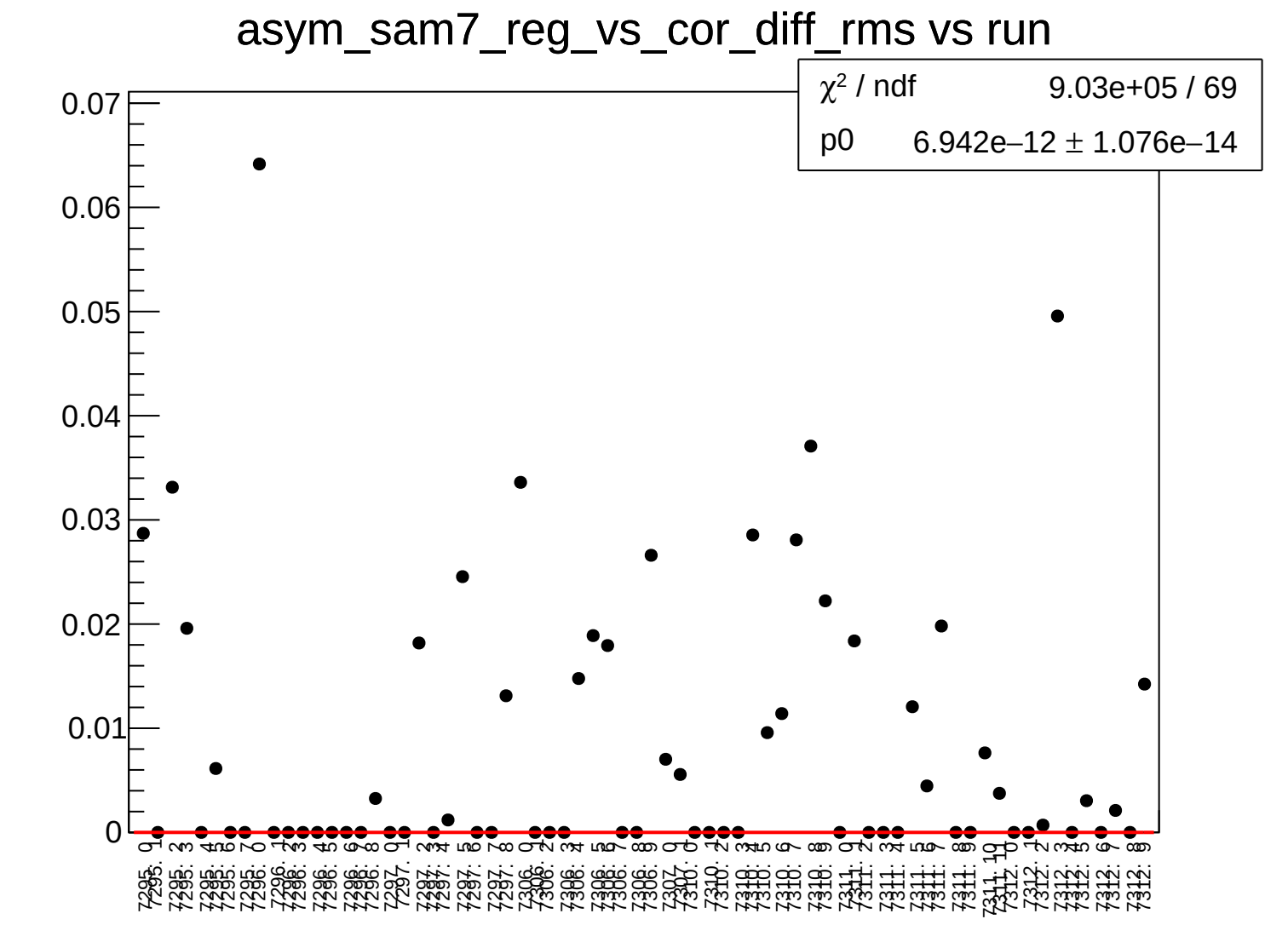
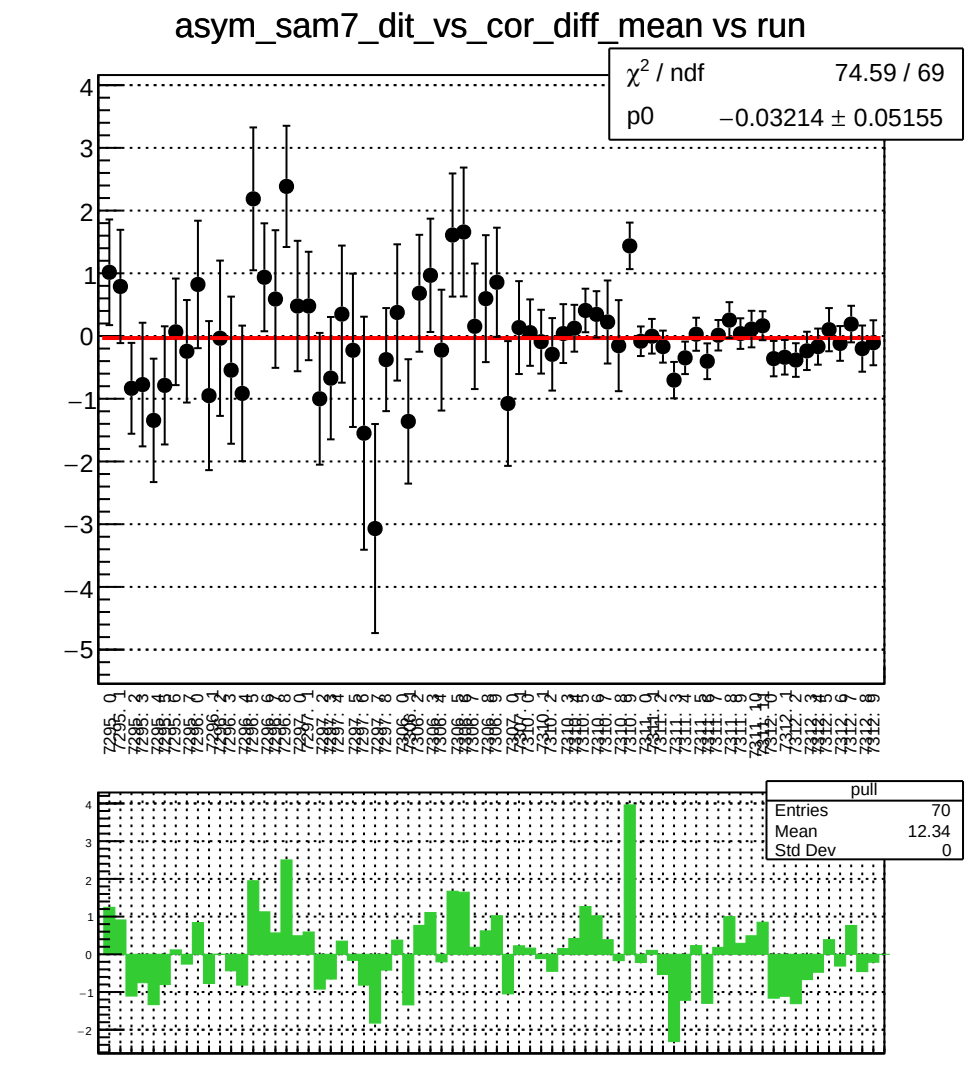
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

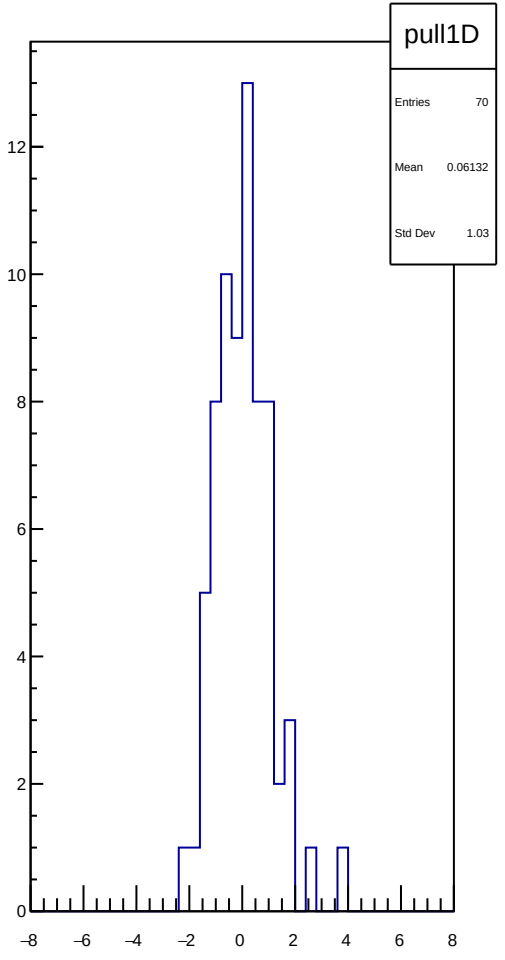

asym_sam7_rms vs run
χ² / ndf 8923 / 69
p0 294.6 ± 0.2574
360
340
320
300
280
260
240

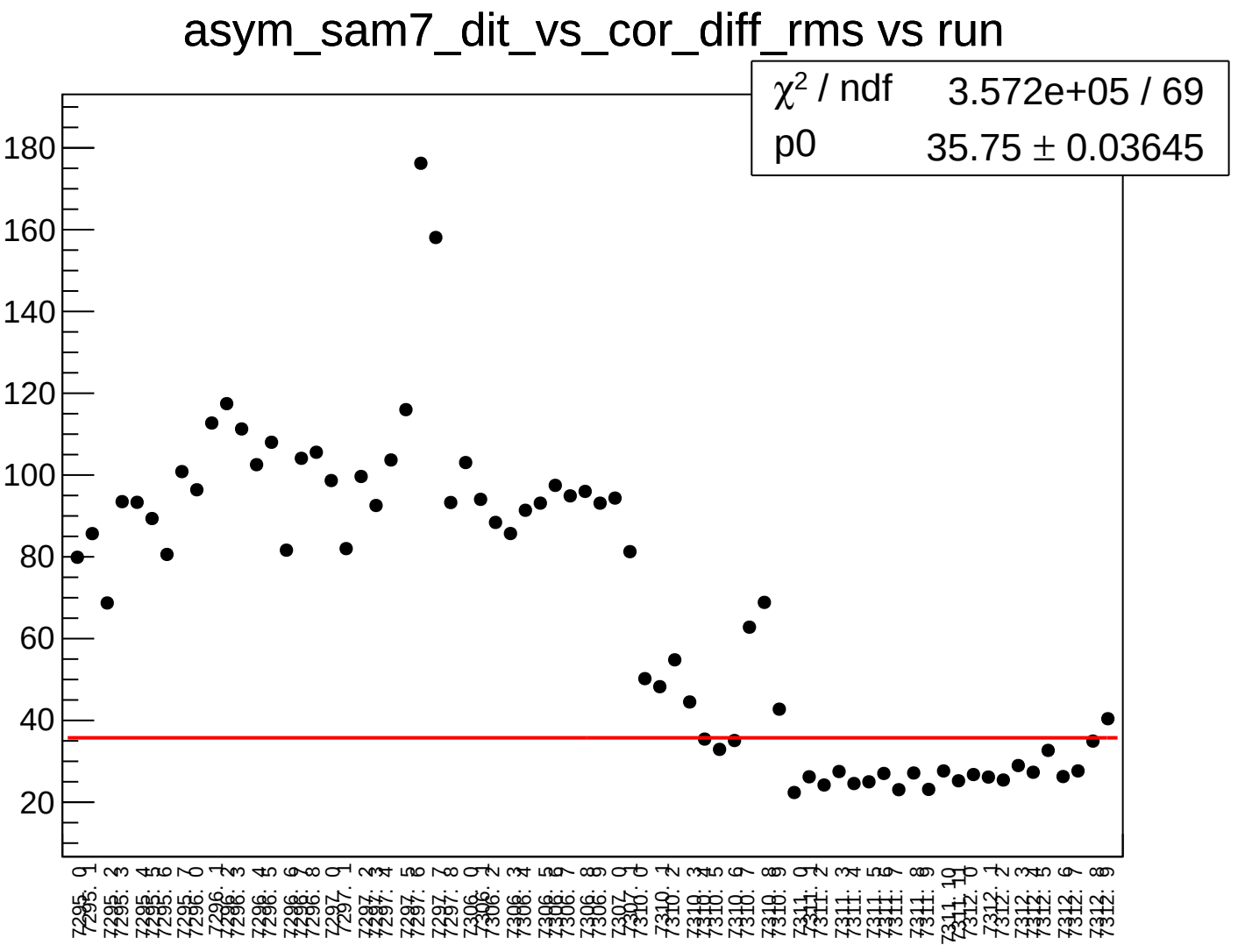

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 66.78 / 69
p0 −3.398e−14 ± 1.522e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean −11.07
Std Dev 0

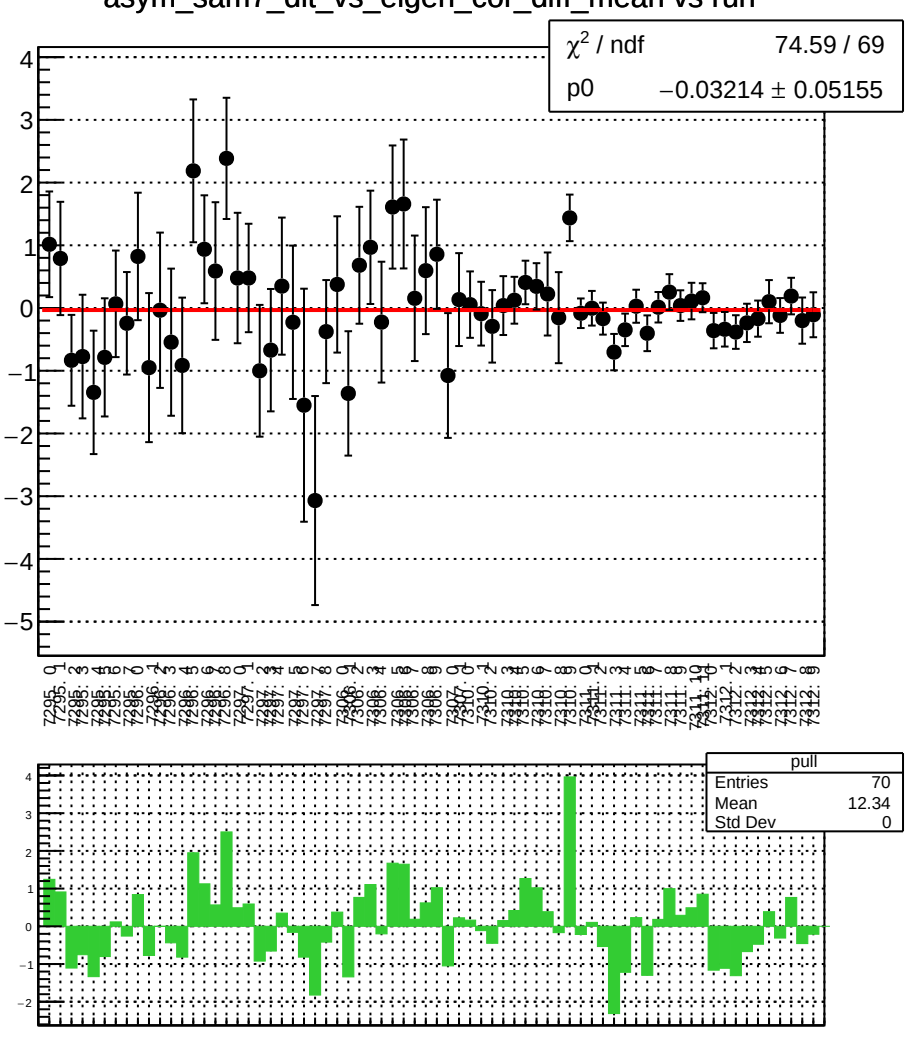

pull1D
Entries 70
Mean 0.06674
Std Dev 0.9744

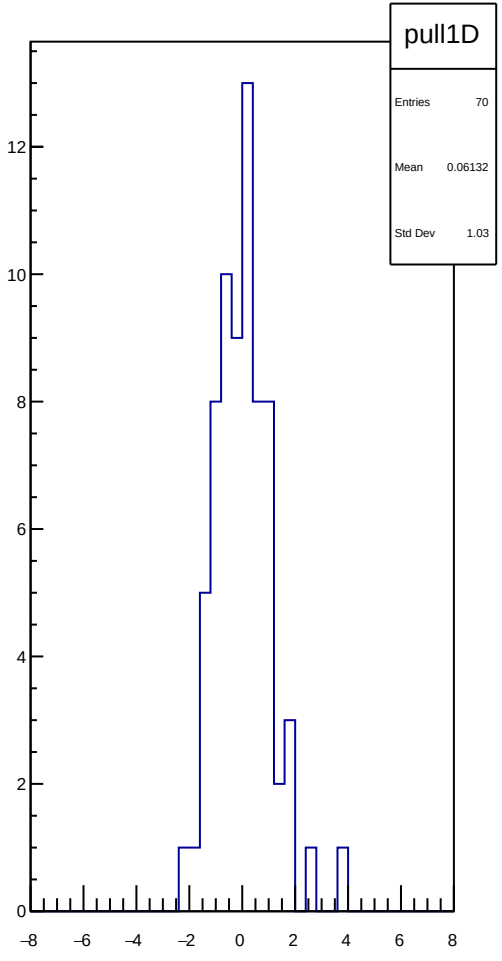

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 9.03e+05 / 69
p0 6.942e−12 ± 1.076e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

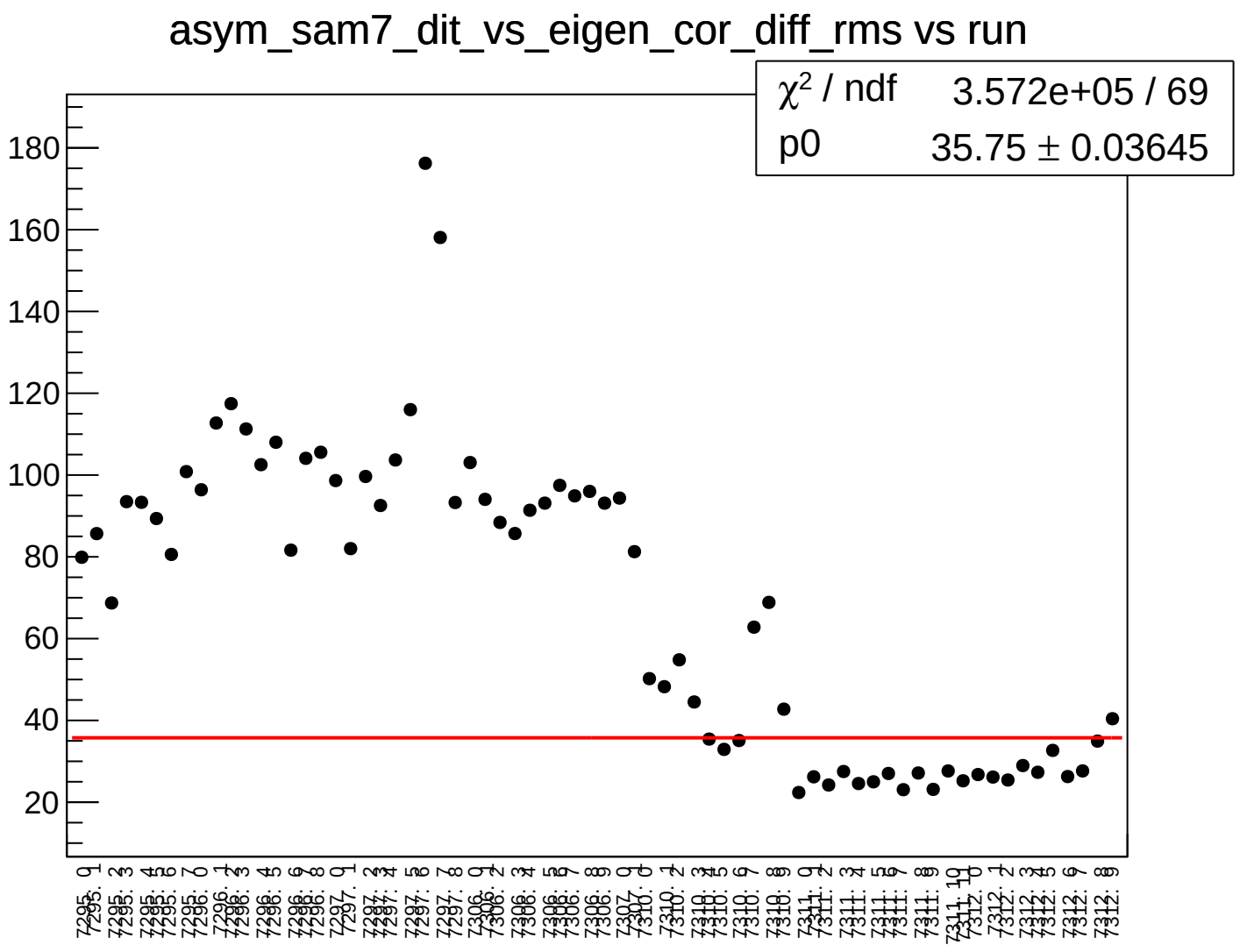

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 74.59 / 69
p0 −0.03214 ± 0.05155
pull
Entries 70
Mean 12.34
Std Dev 0

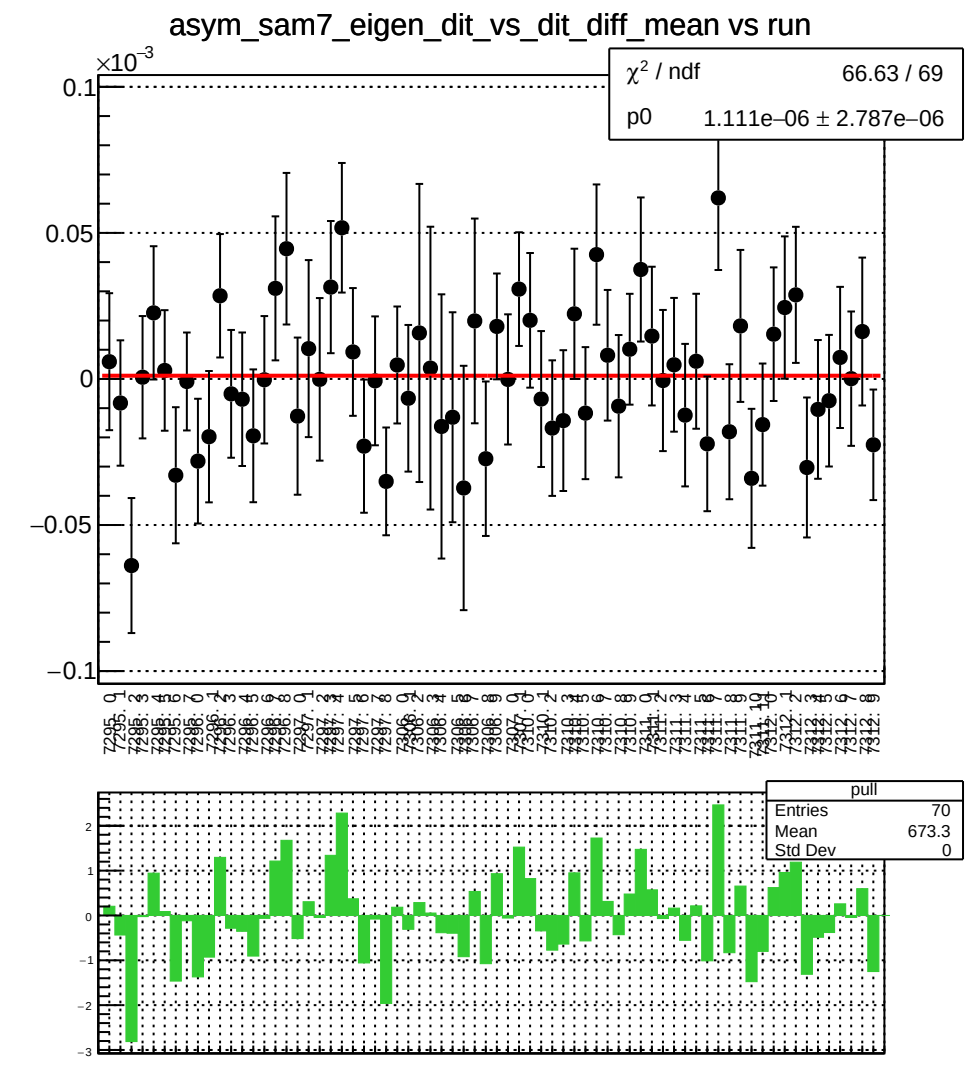

pull1D
Entries 70
Mean 0.06132
Std Dev 1.03

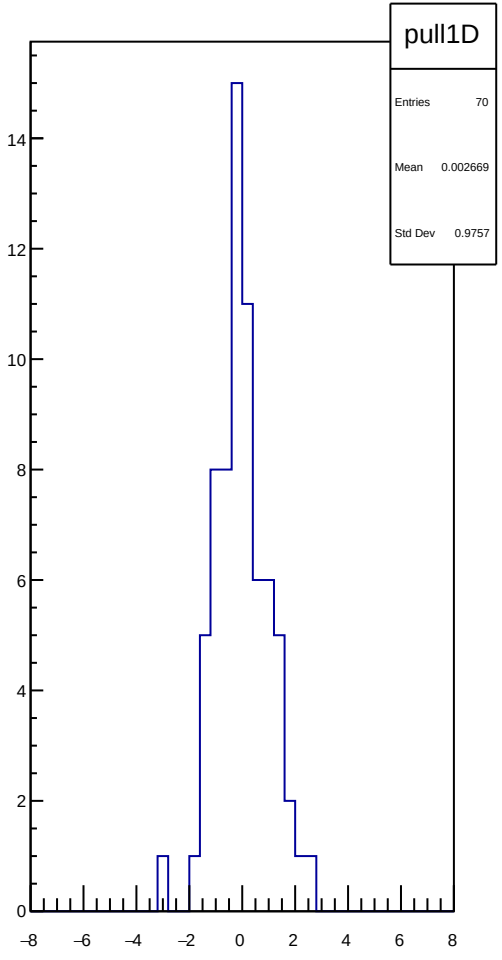

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 3.572e+05 / 69
p0 35.75 ± 0.03645
180
160
140
120
100
80
60
40
20

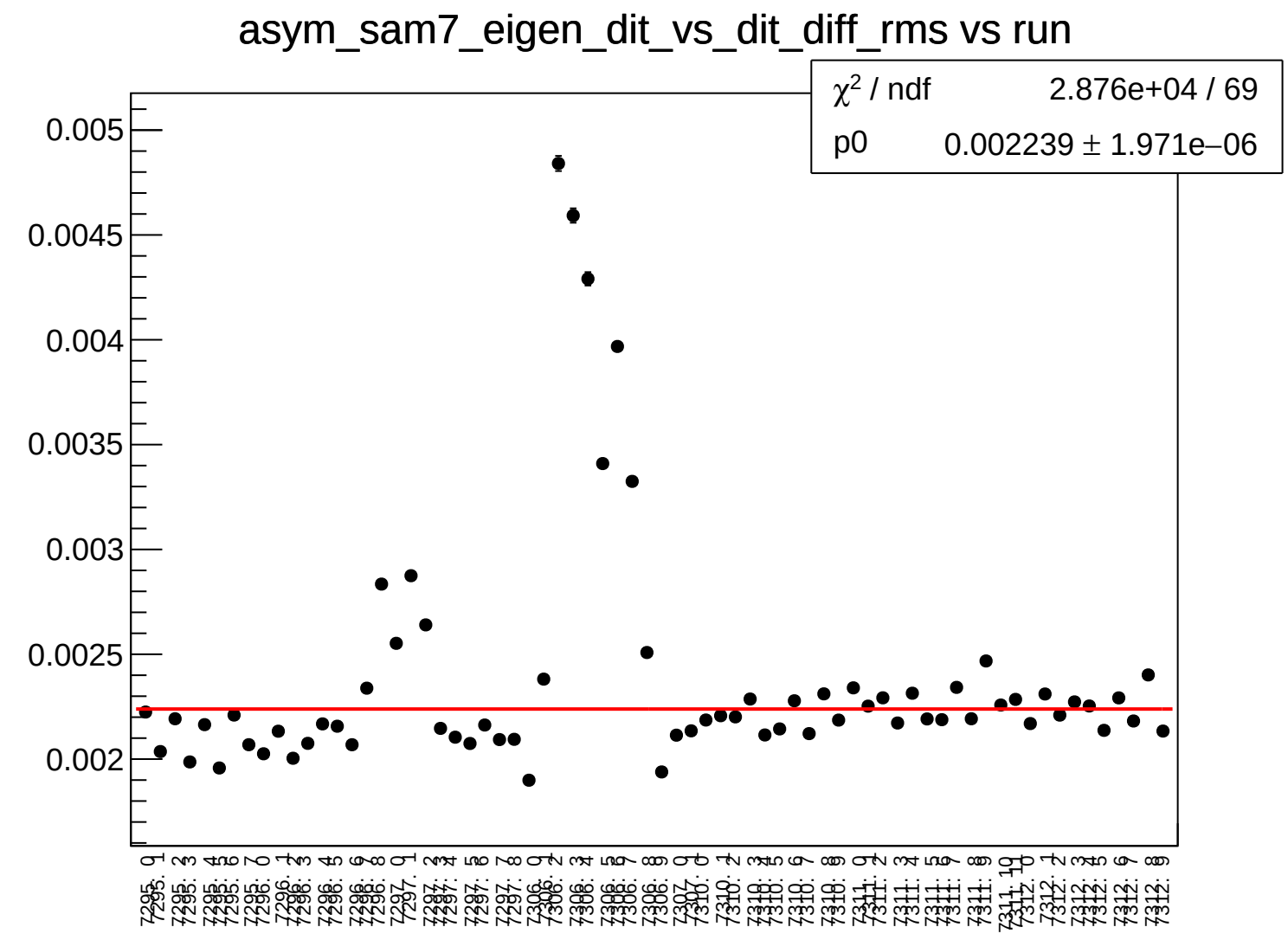

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.59 / 69
p0 −0.03214 ± 0.05155
pull
Entries 70
Mean 12.34
Std Dev 0

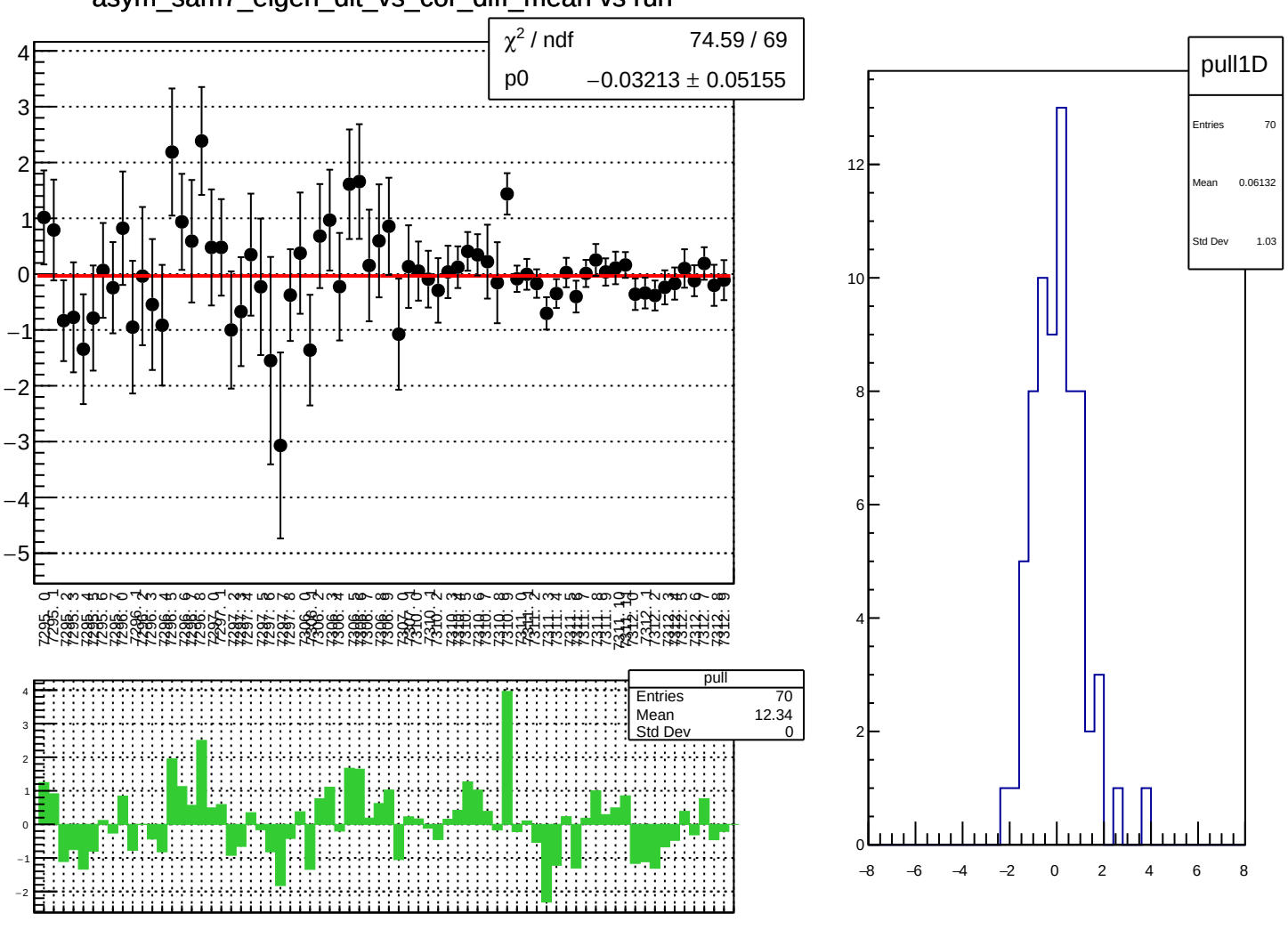

pull1D
Entries 70
Mean 0.06132
Std Dev 1.03

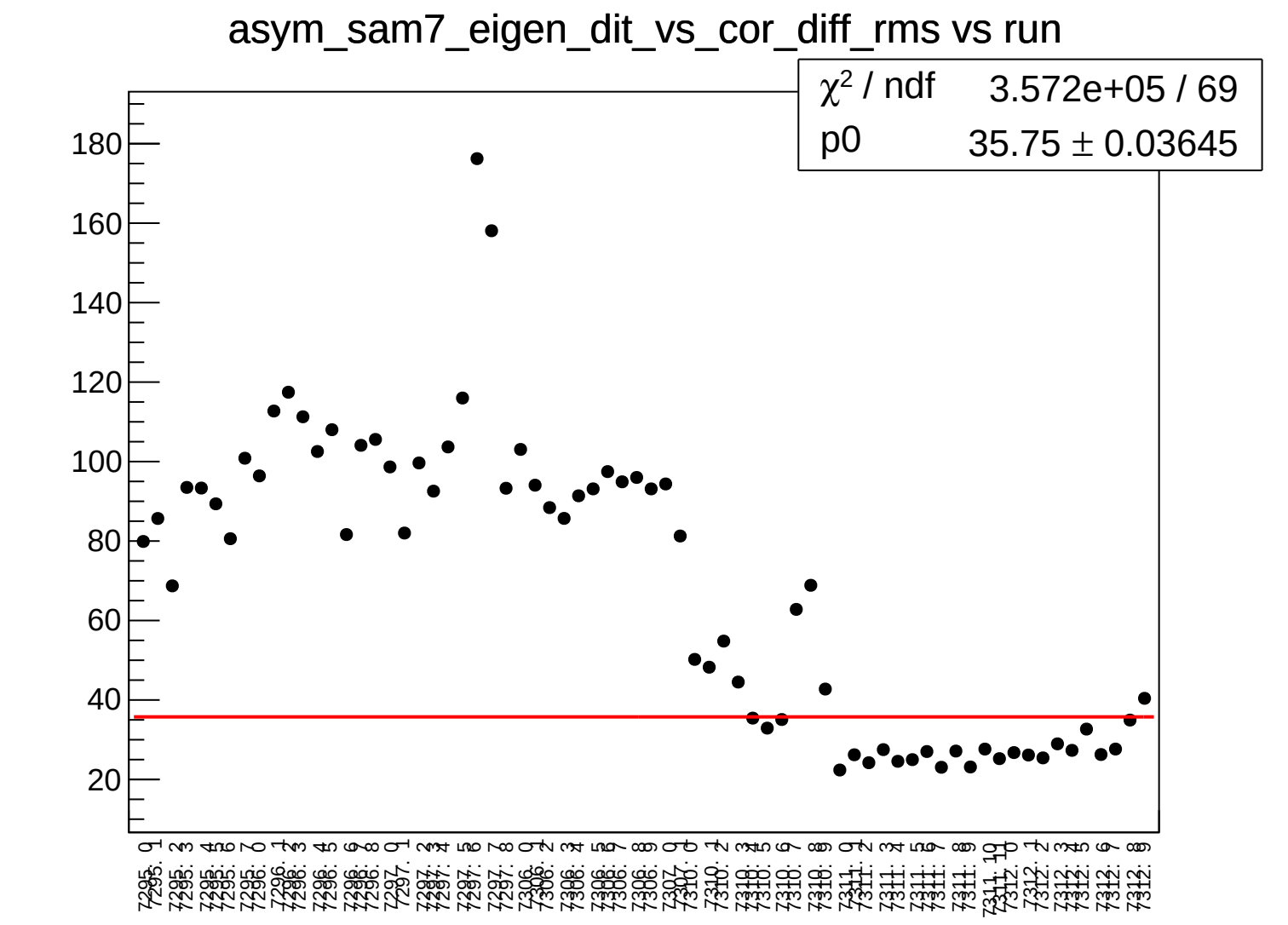

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.572e+05 / 69
p0 35.75 ± 0.03645
180
160
140
120
100
80
60
40
20

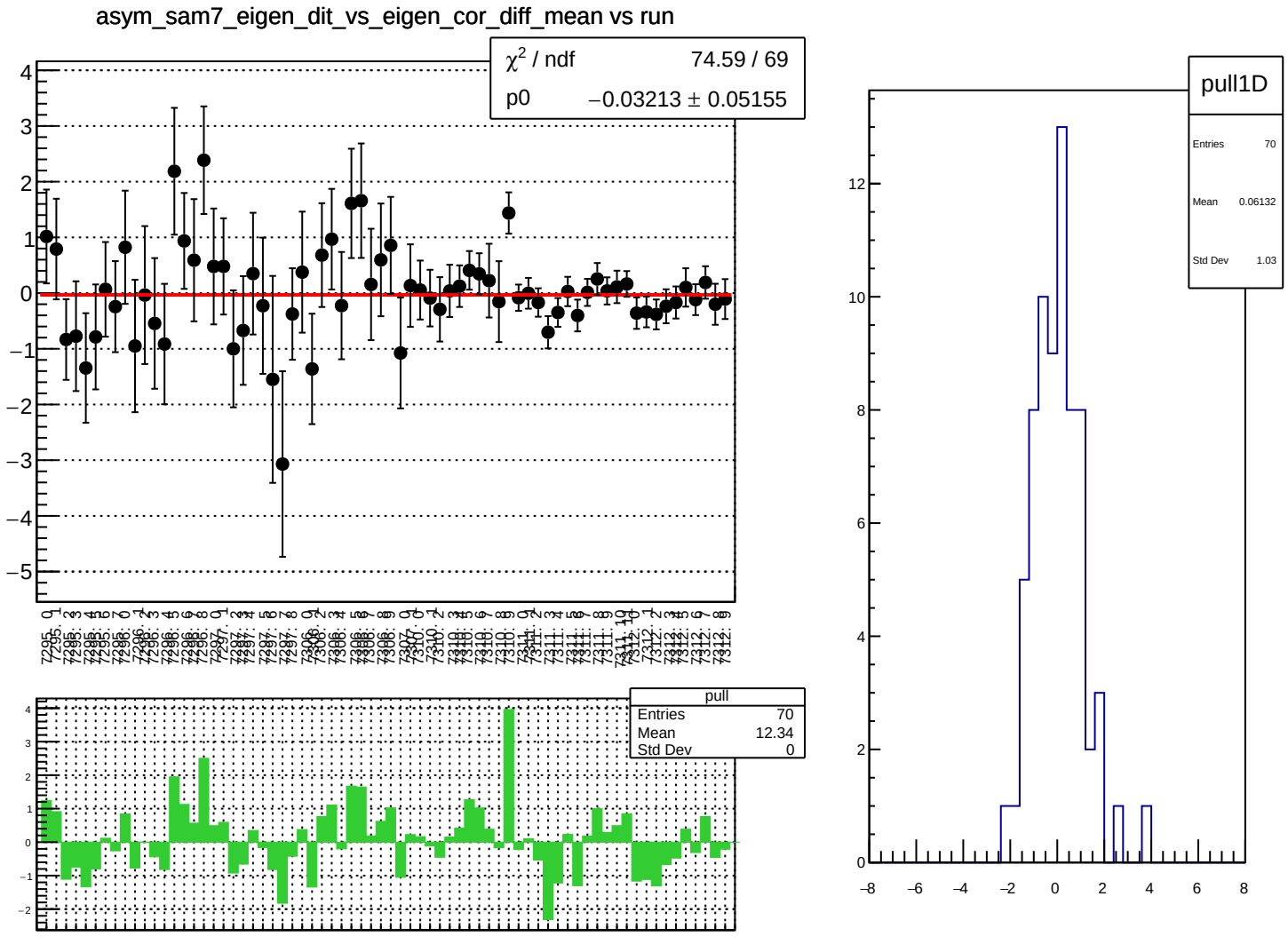

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.63 / 69
p0 1.111e−06 ± 2.787e−06
pull
Entries 70
Mean 673.3
Std Dev 0

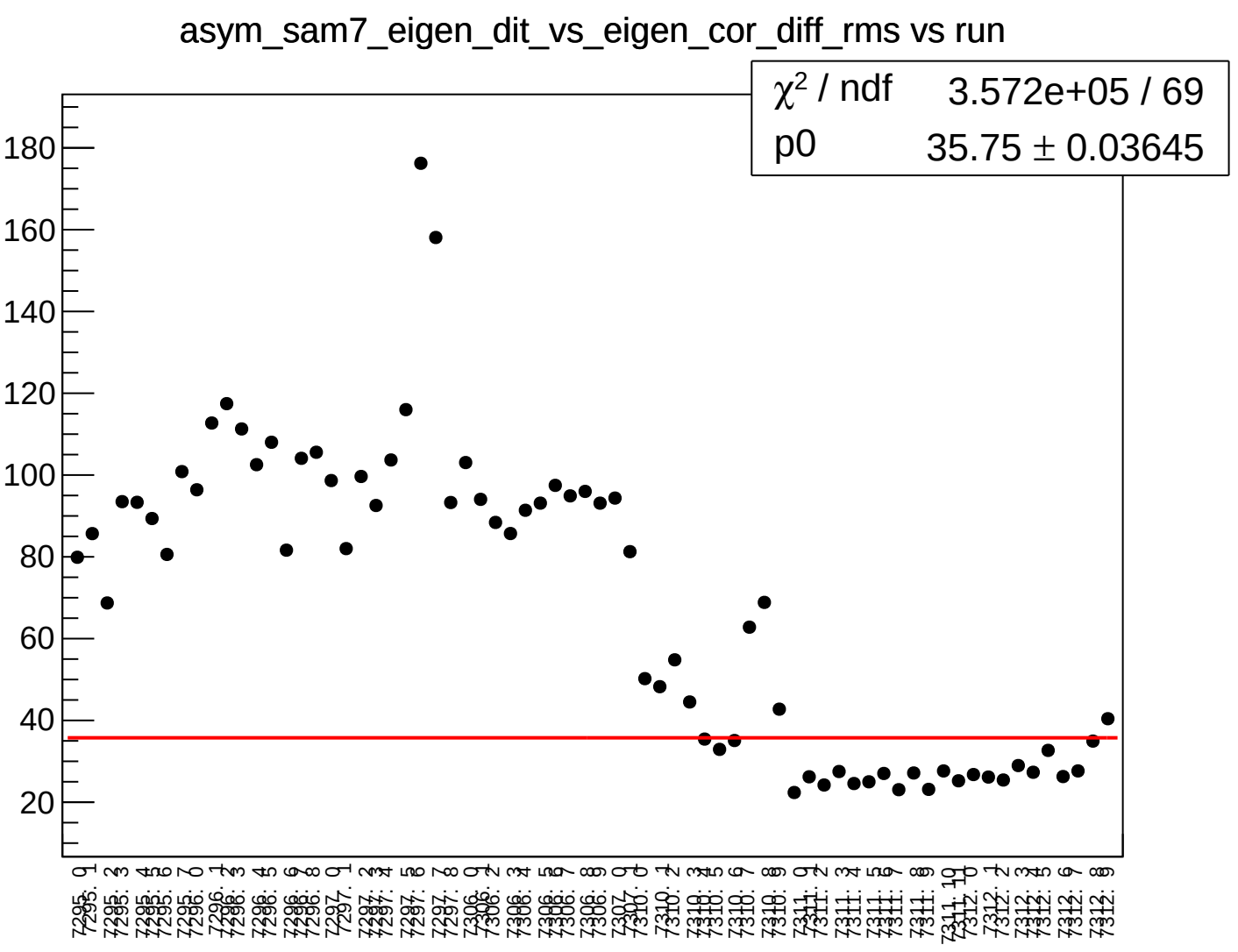

pull1D
Entries 70
Mean 0.002669
Std Dev 0.9757

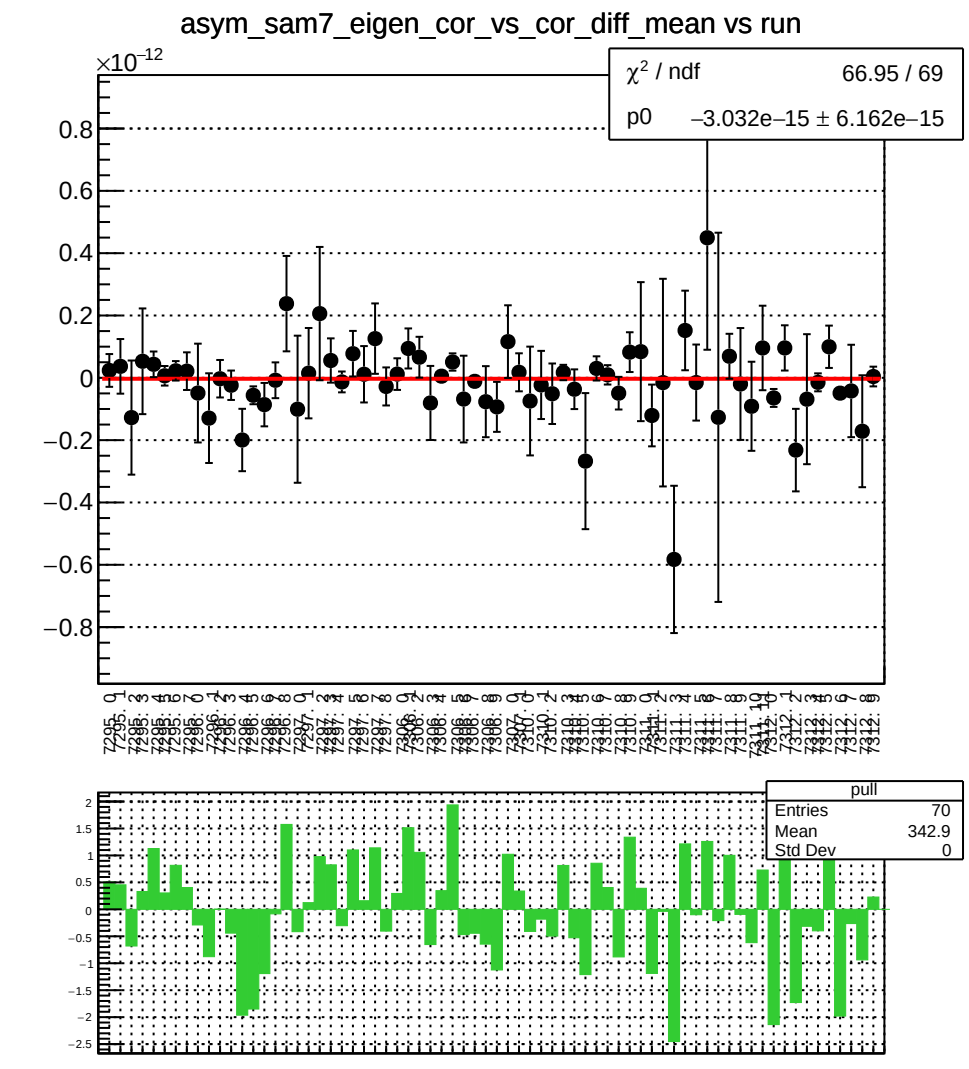

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.876e+04 / 69
p0 0.002239 ± 1.971e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

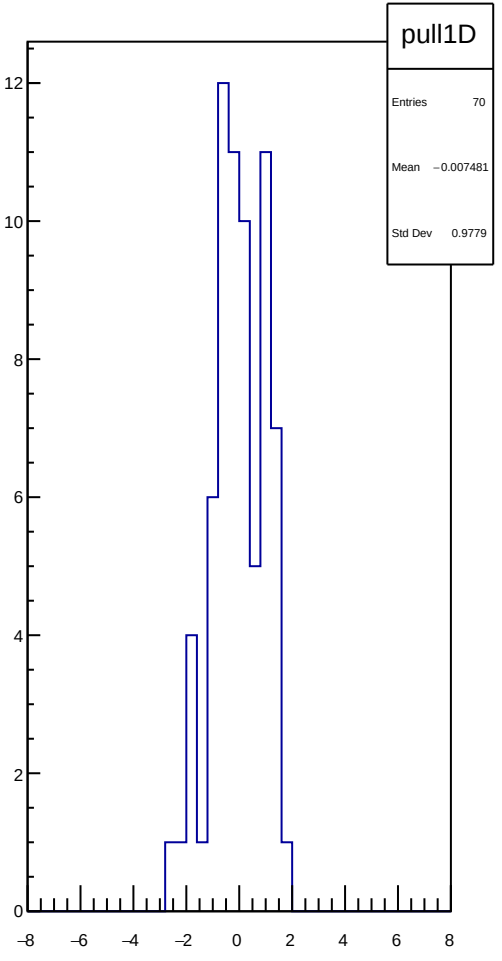

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.59 / 69
p0 −0.03213 ± 0.05155
pull
Entries 70
Mean 12.34
Std Dev 0
pull1D
Entries 70
Mean 0.06132
Std Dev 1.03

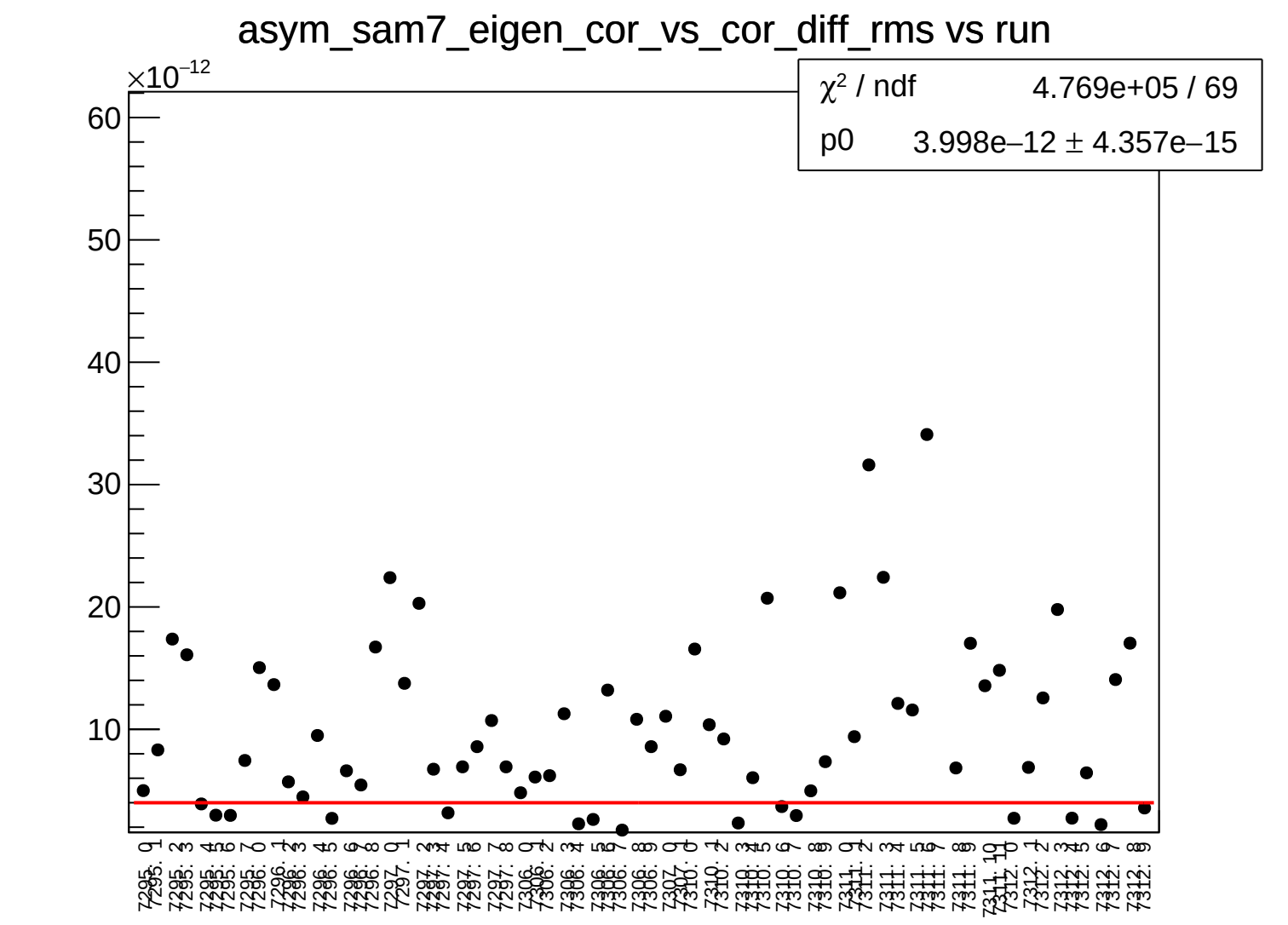

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.572e+05 / 69
p0 35.75 ± 0.03645
180
160
140
120
100
80
60
40
20

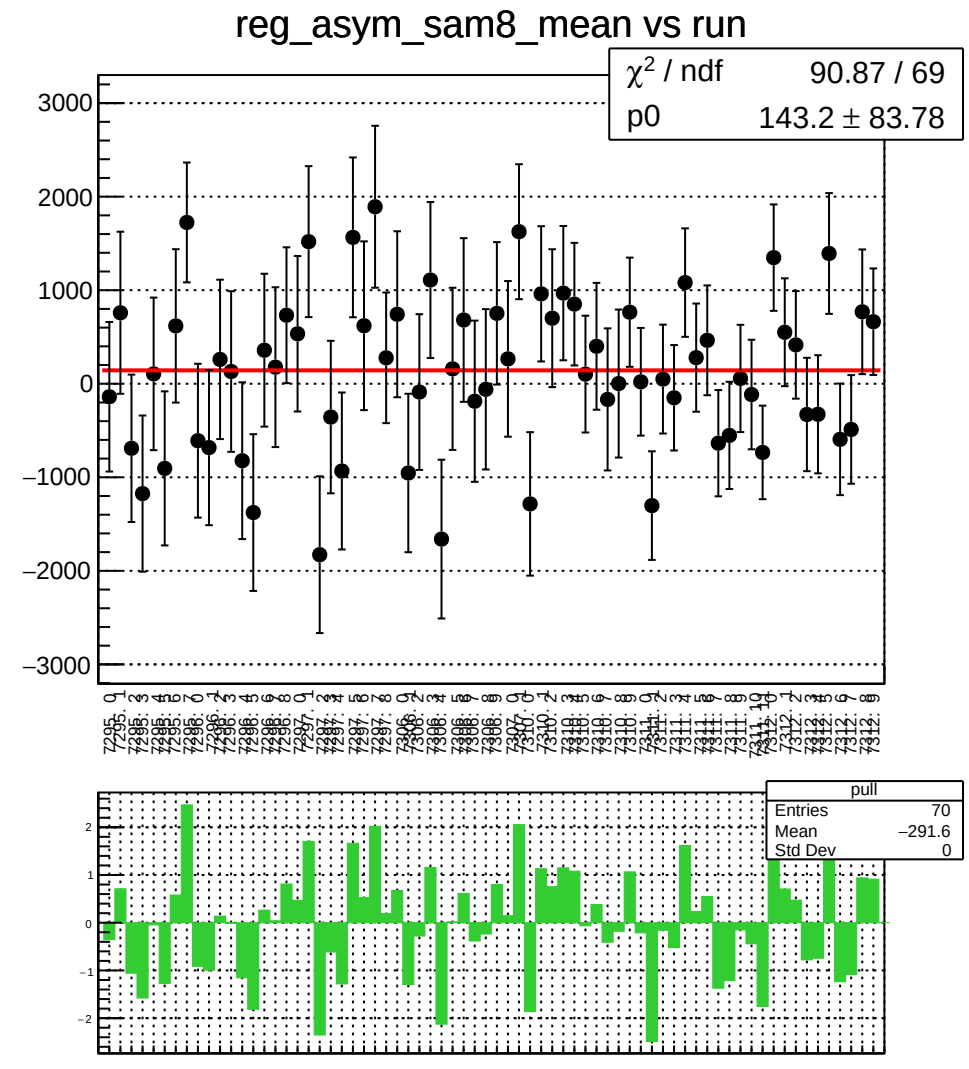

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.59 / 69
p0 −0.03213 ± 0.05155
pull
Entries 70
Mean 12.34
Std Dev 0
pull1D
Entries 70
Mean 0.06132
Std Dev 1.03

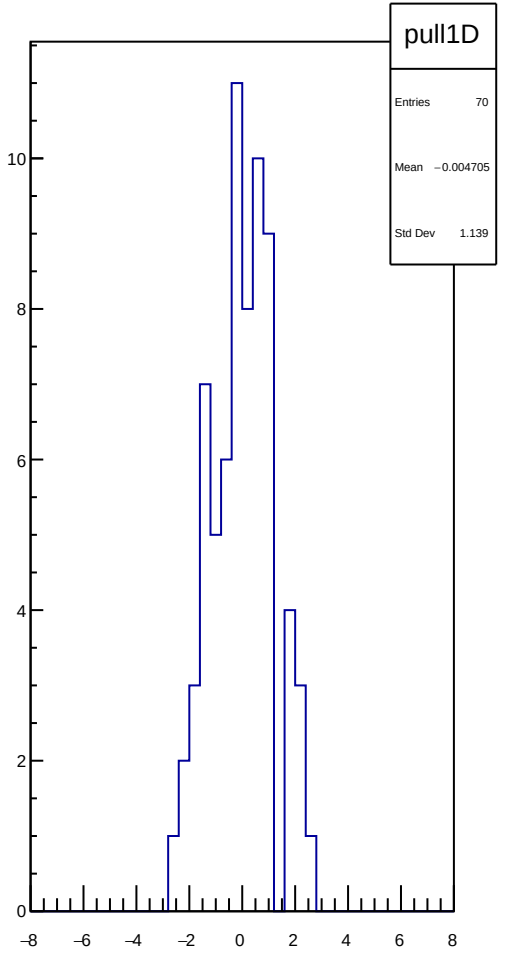

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.572e+05 / 69
p0 35.75 ± 0.03645
180
160
140
120
100
80
60
40
20

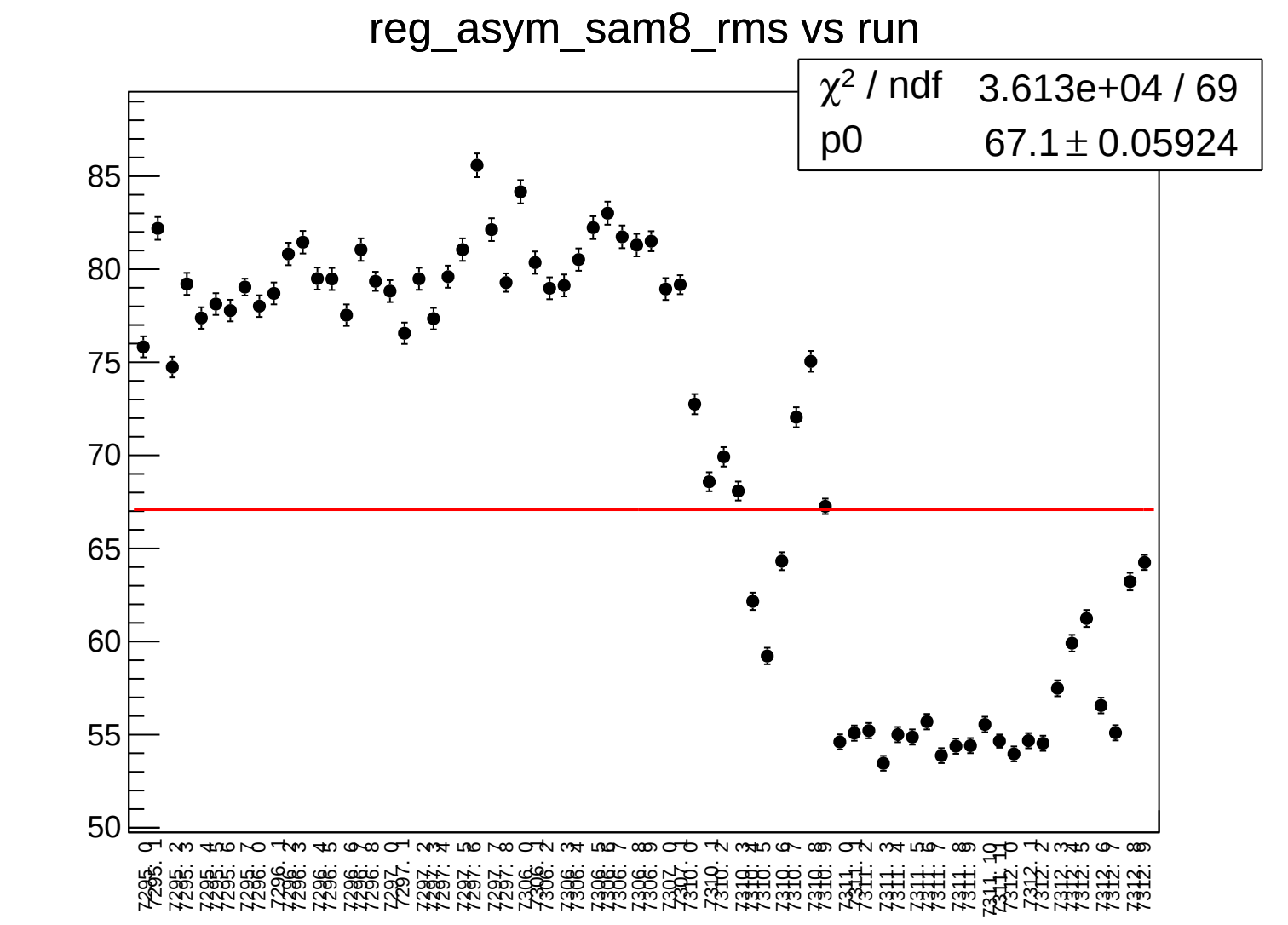

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 66.95 / 69
p0 −3.032e−15 ± 6.162e−15
pull
Entries 70
Mean 342.9
Std Dev 0

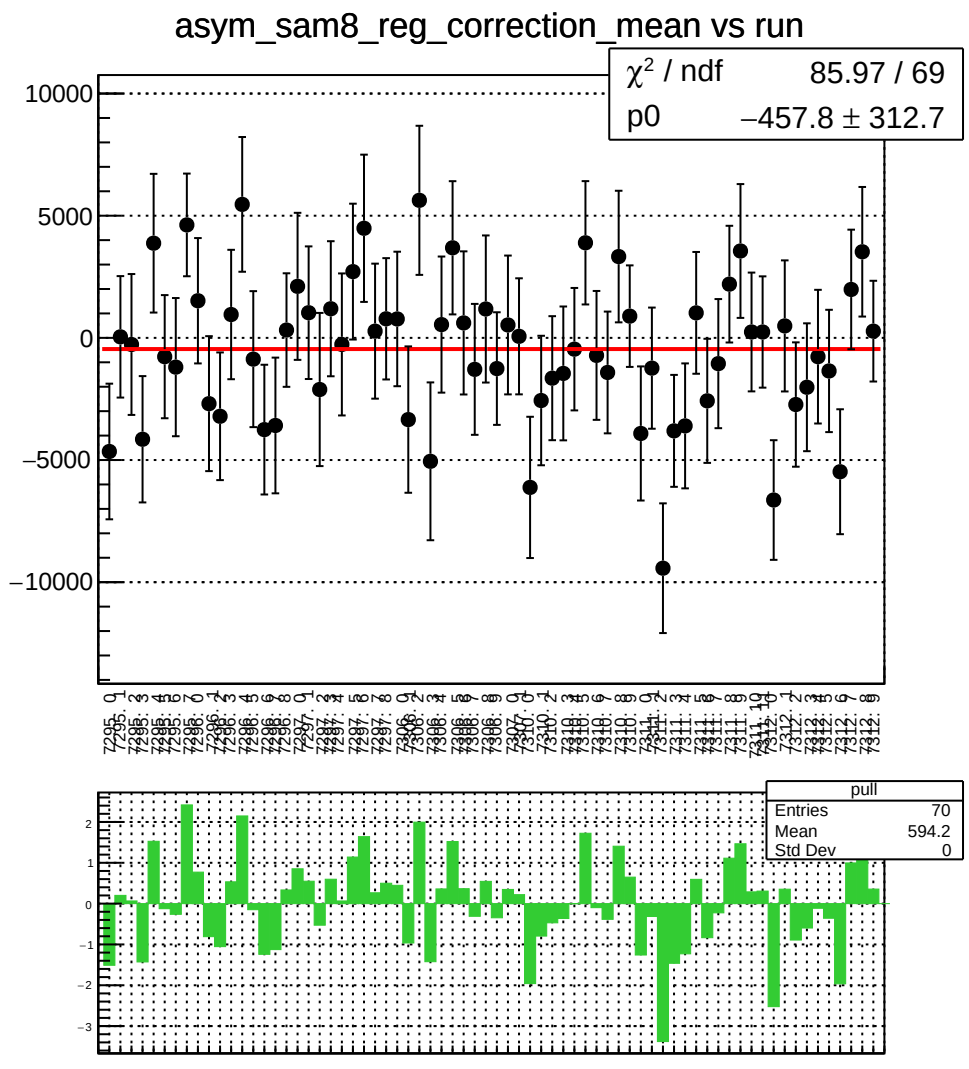

pull1D
Entries 70
Mean −0.007481
Std Dev 0.9779

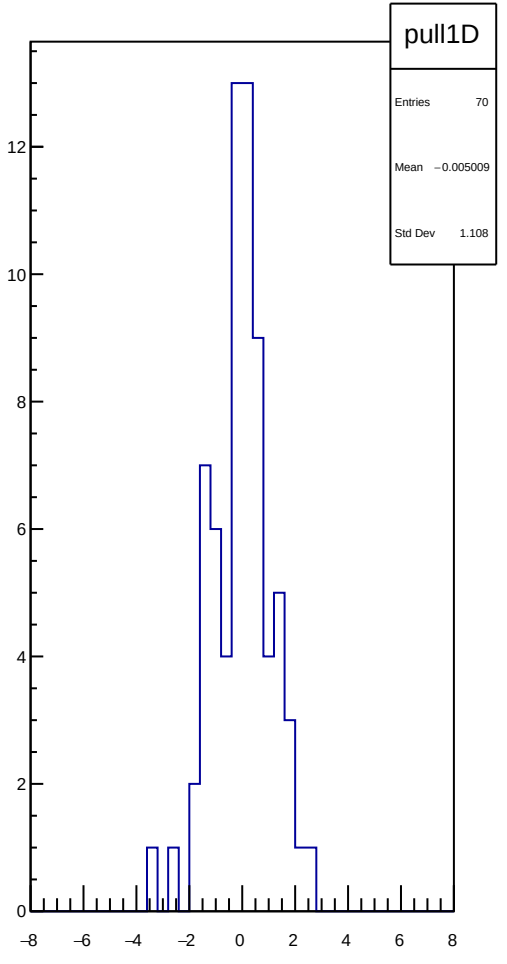

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.769e+05 / 69
p0 3.998e−12 ± 4.357e−15
60
50
40
30
20
10

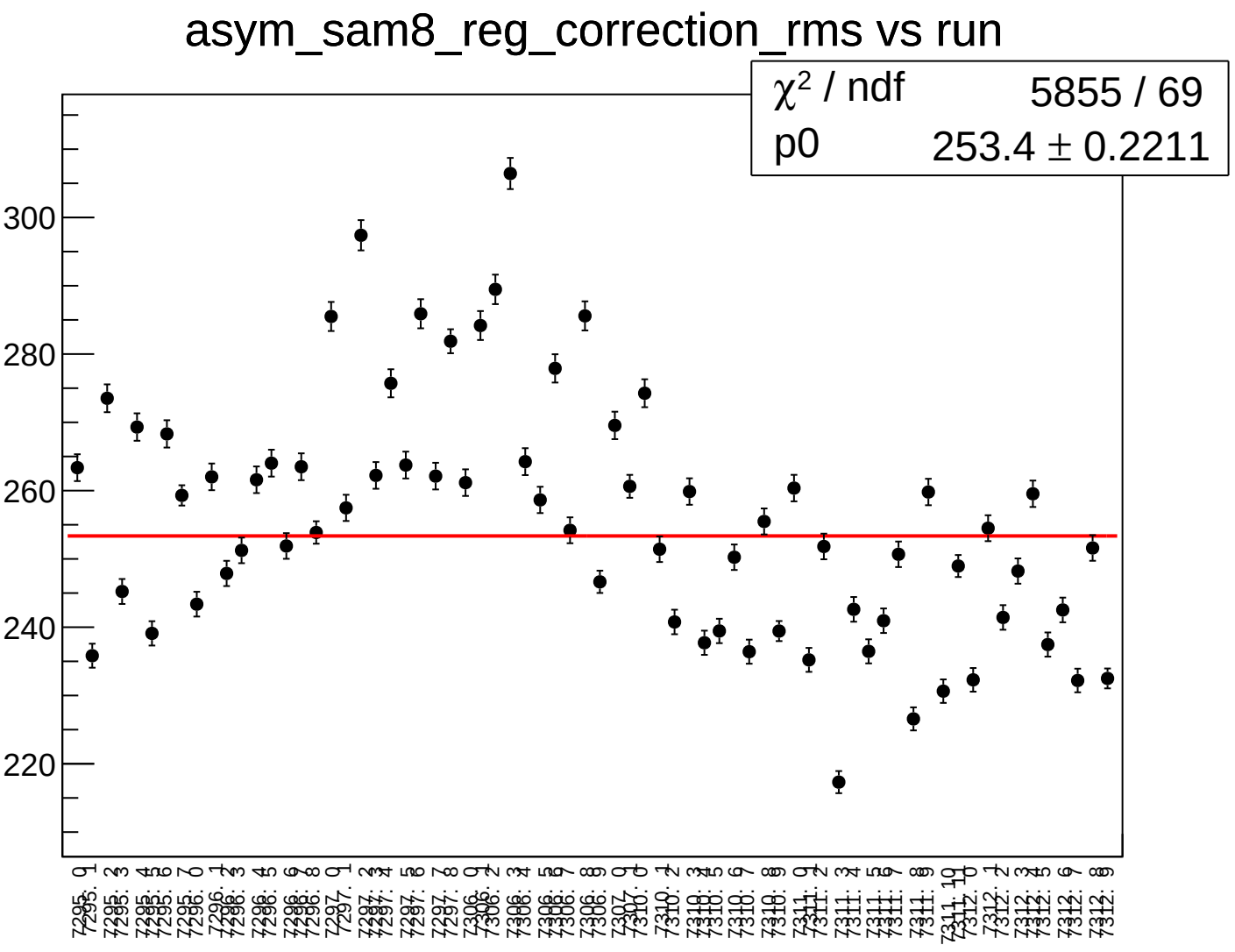

reg_asym_sam8_mean vs run
χ² / ndf 90.87 / 69
p0 143.2 ± 83.78
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 70
Mean −291.6
Std Dev 0
2
1
0
−1
−2

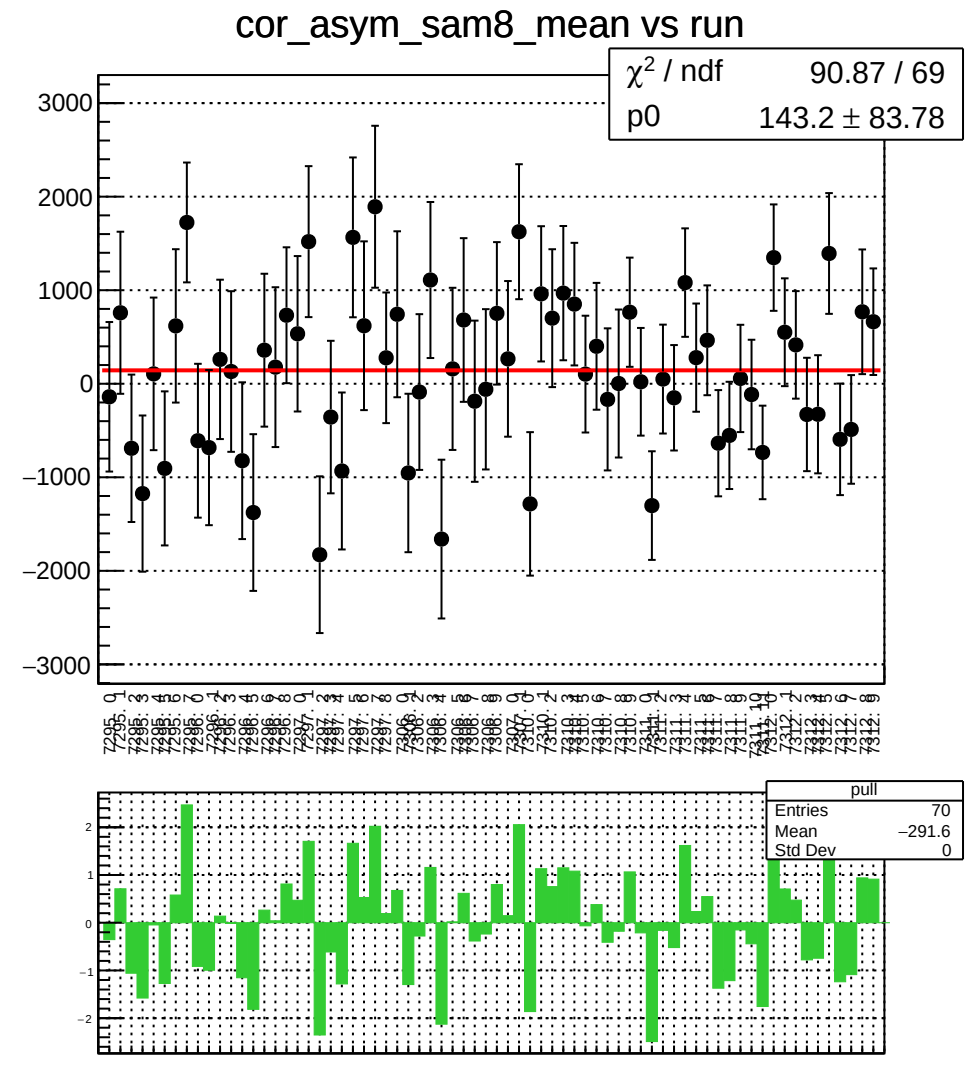

pull1D
Entries 70
Mean −0.004705
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

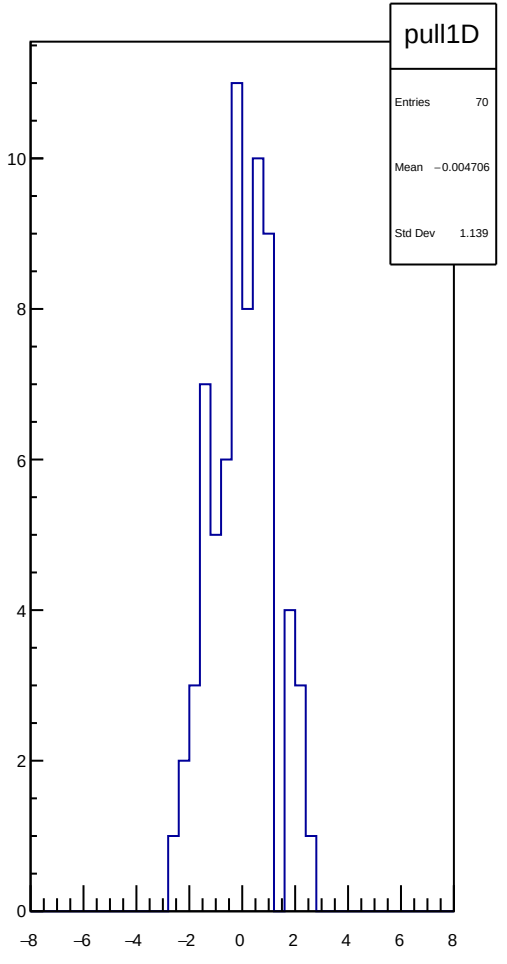

reg_asym_sam8_rms vs run
χ² / ndf 3.613e+04 / 69
p0 67.1 ± 0.05924
85
80
75
70
65
60
55
50

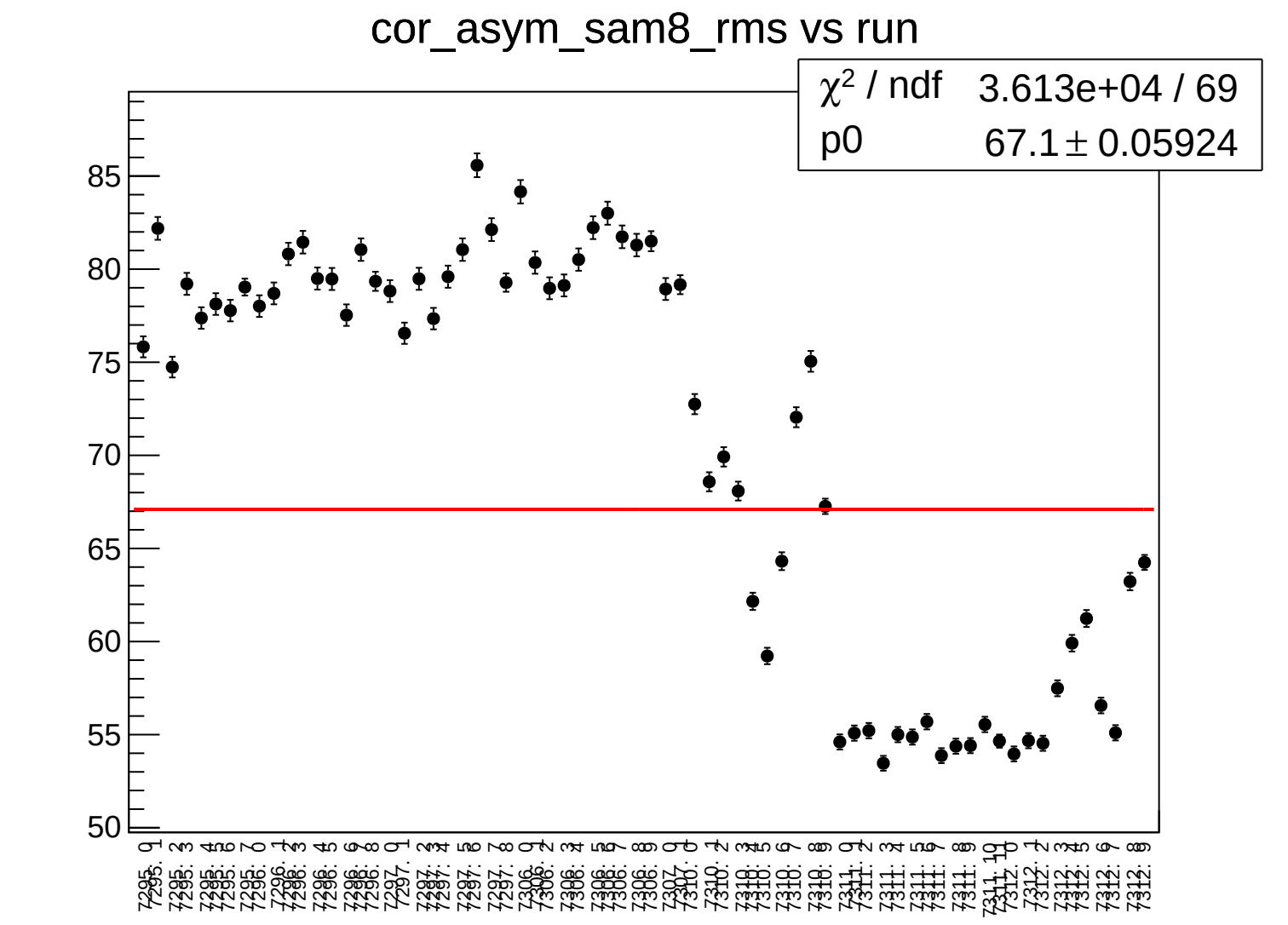

asym_sam8_reg_correction_mean vs run
χ² / ndf 85.97 / 69
p0 −457.8 ± 312.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 594.2
Std Dev 0
2
1
0
−1
−2
−3

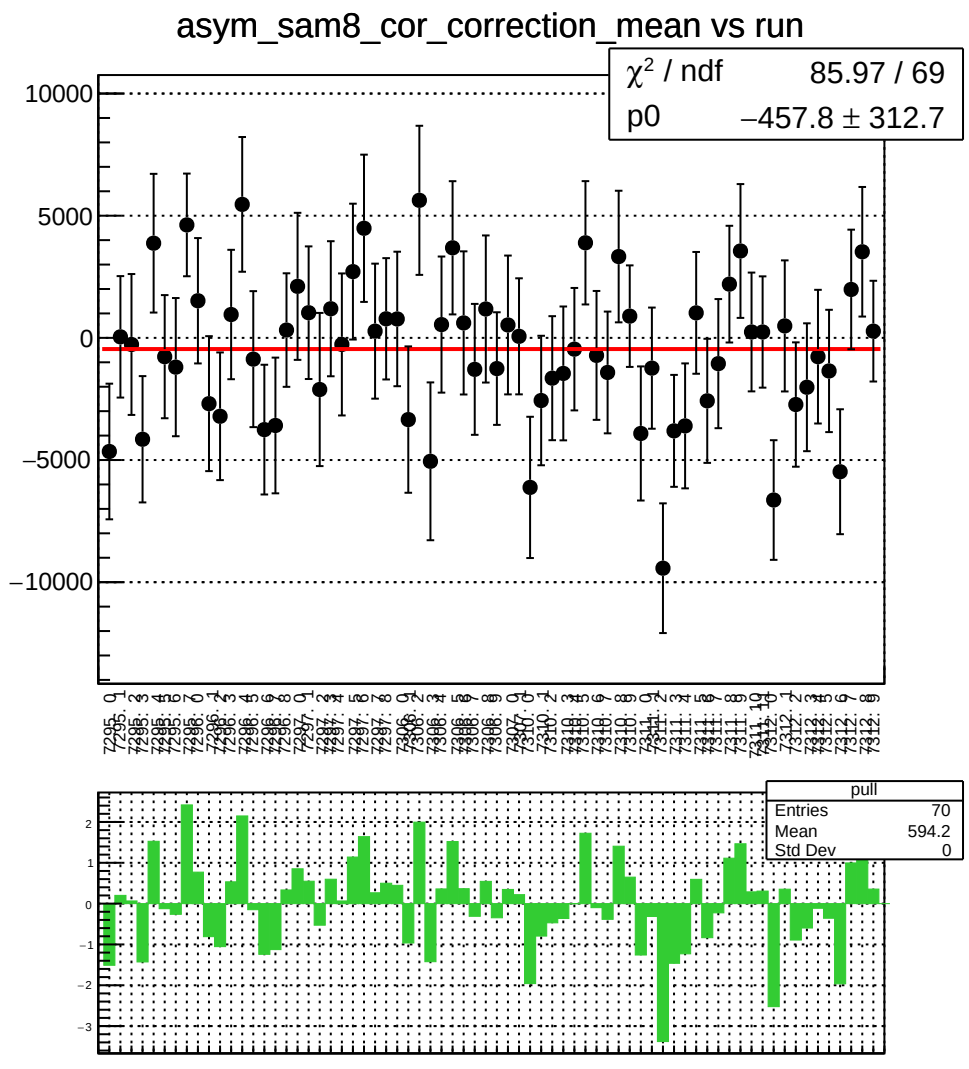

pull1D
Entries 70
Mean −0.005009
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

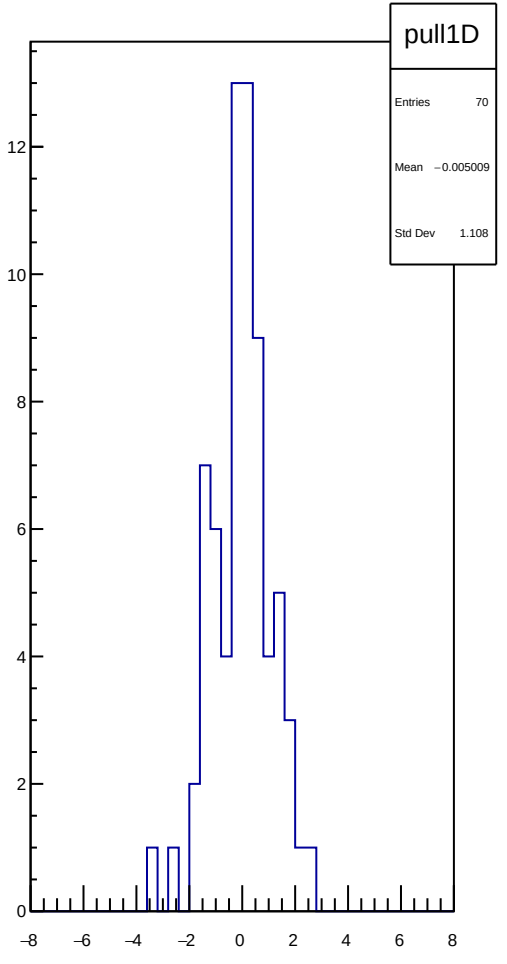

asym_sam8_reg_correction_rms vs run
χ² / ndf 5855 / 69
p0 253.4 ± 0.2211
300
280
260
240
220

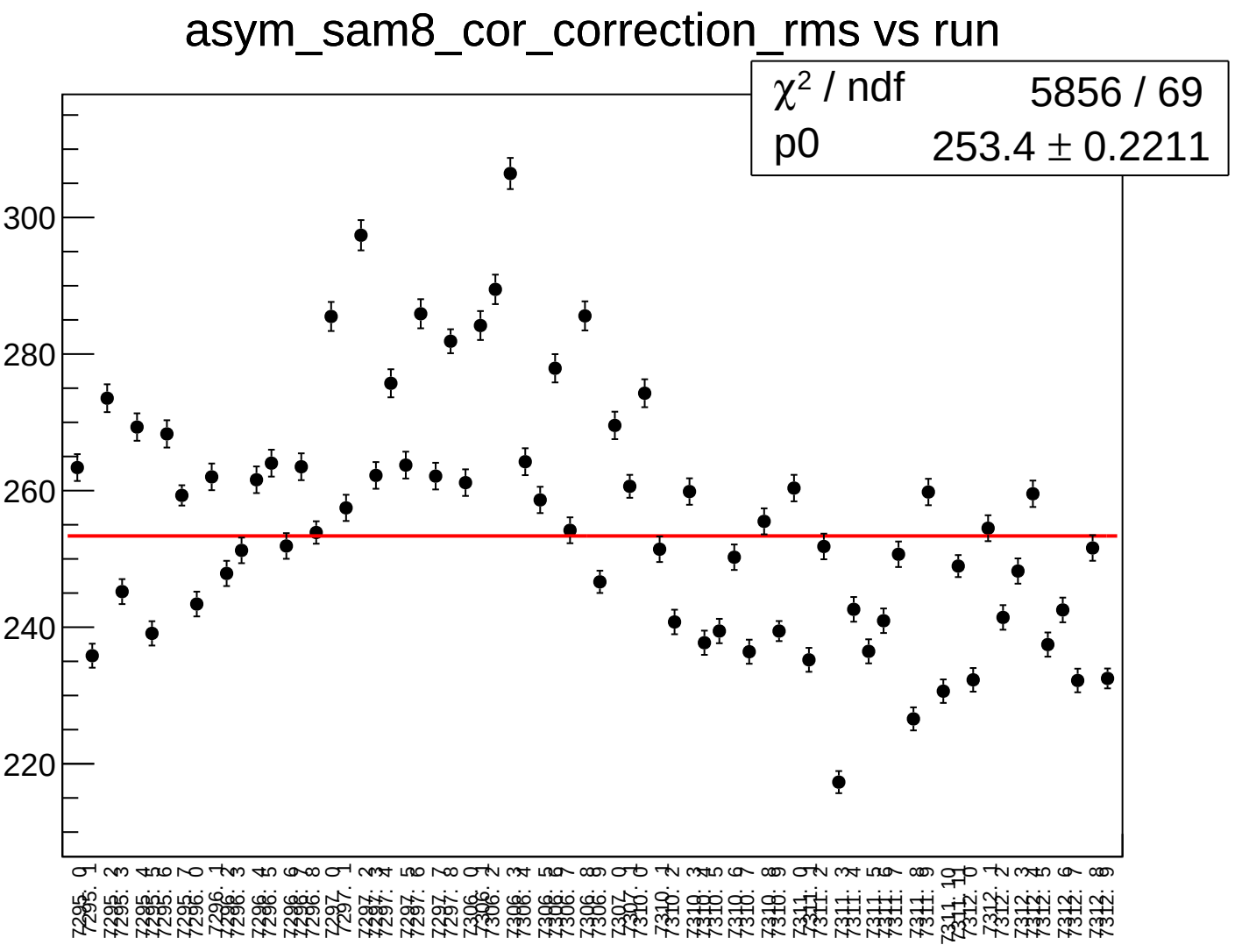

cor_asym_sam8_mean vs run
χ² / ndf 90.87 / 69
p0 143.2 ± 83.78
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 70
Mean −291.6
Std Dev 0
2
1
0
−1
−2

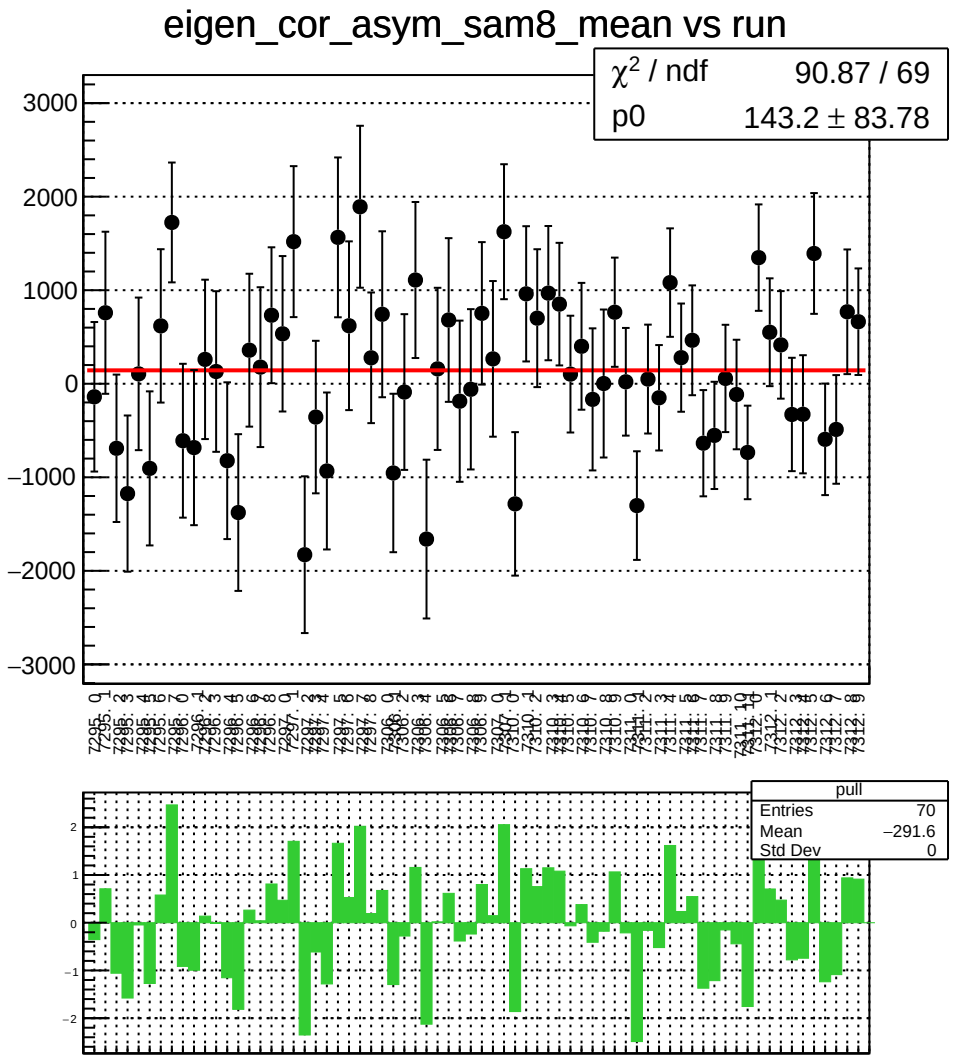

pull1D
Entries 70
Mean −0.004706
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

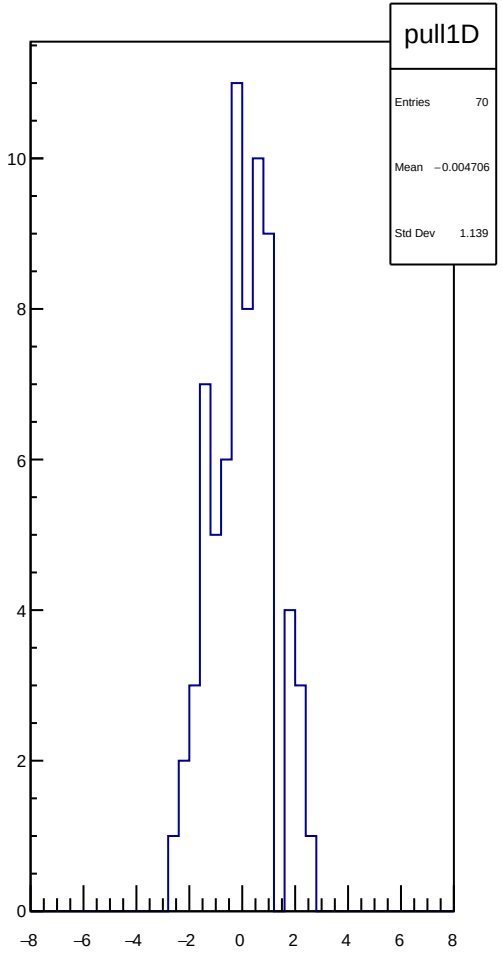

cor_asym_sam8_rms vs run
χ² / ndf 3.613e+04 / 69
p0 67.1 ± 0.05924
85
80
75
70
65
60
55
50

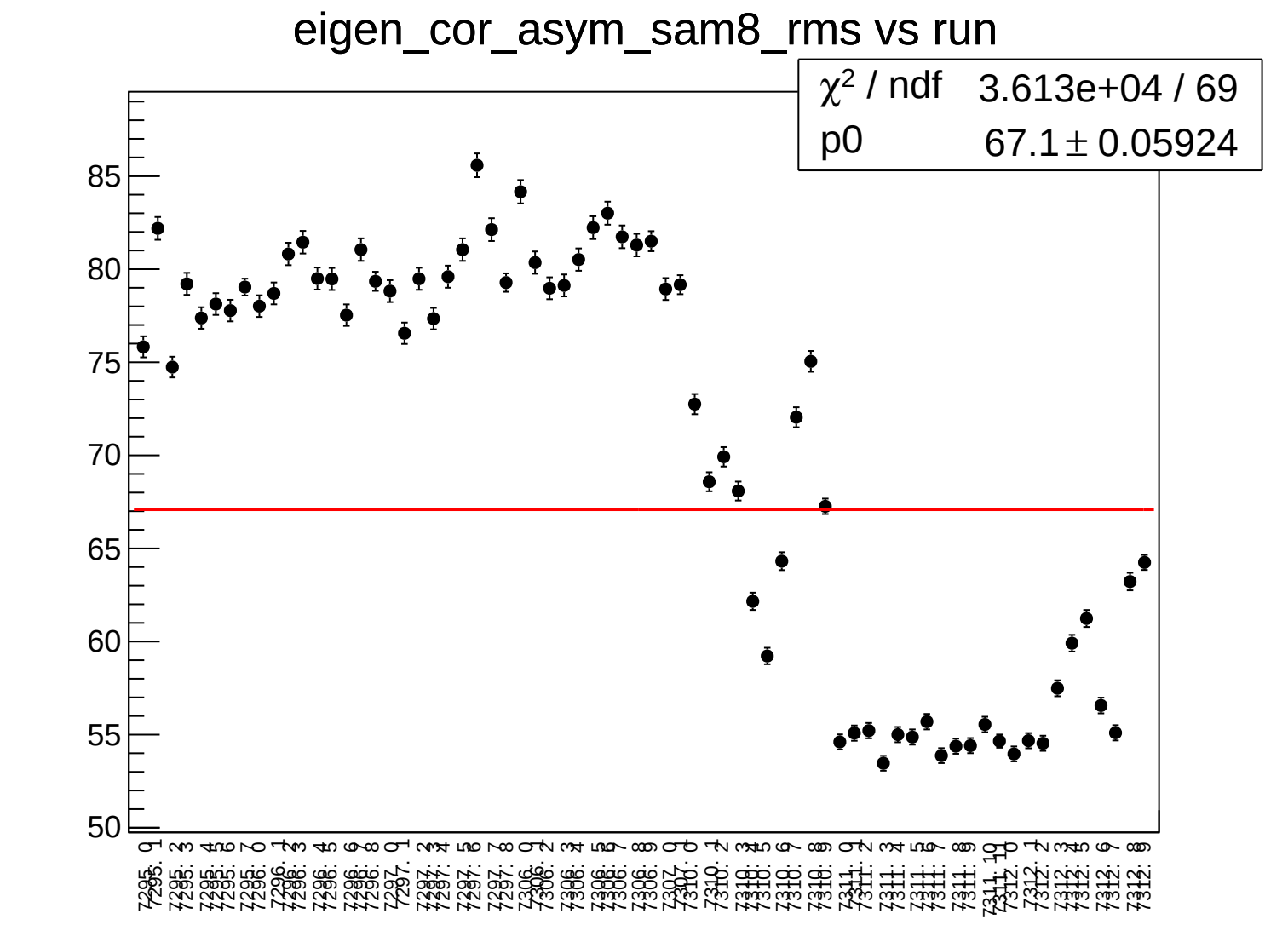

asym_sam8_cor_correction_mean vs run
χ² / ndf 85.97 / 69
p0 −457.8 ± 312.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 594.2
Std Dev 0
2
1
0
−1
−2
−3

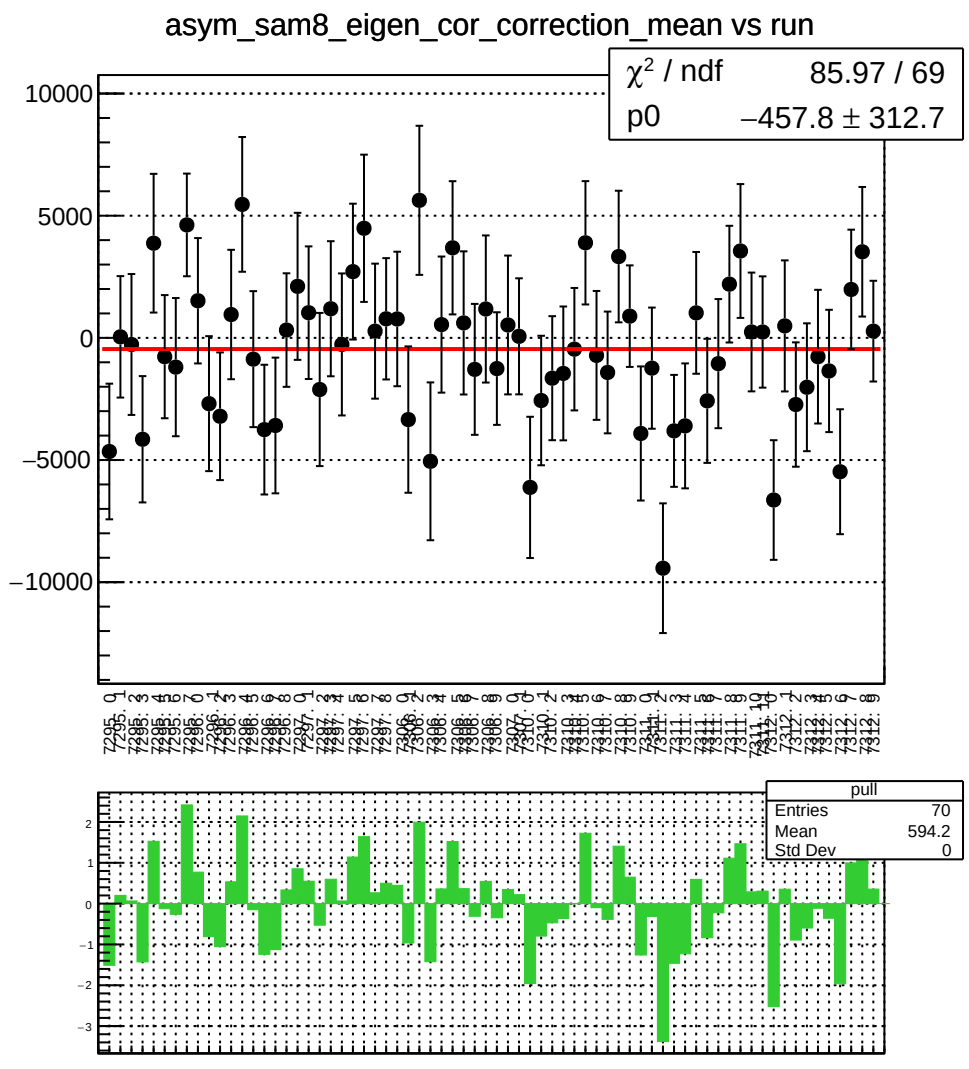

pull1D
Entries 70
Mean −0.005009
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

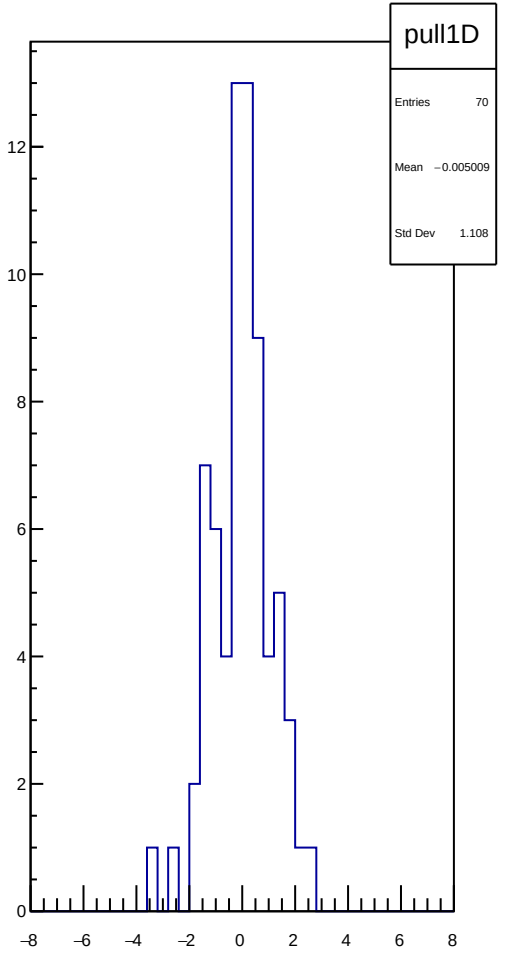

asym_sam8_cor_correction_rms vs run
χ² / ndf 5856 / 69
p0 253.4 ± 0.2211
300
280
260
240
220

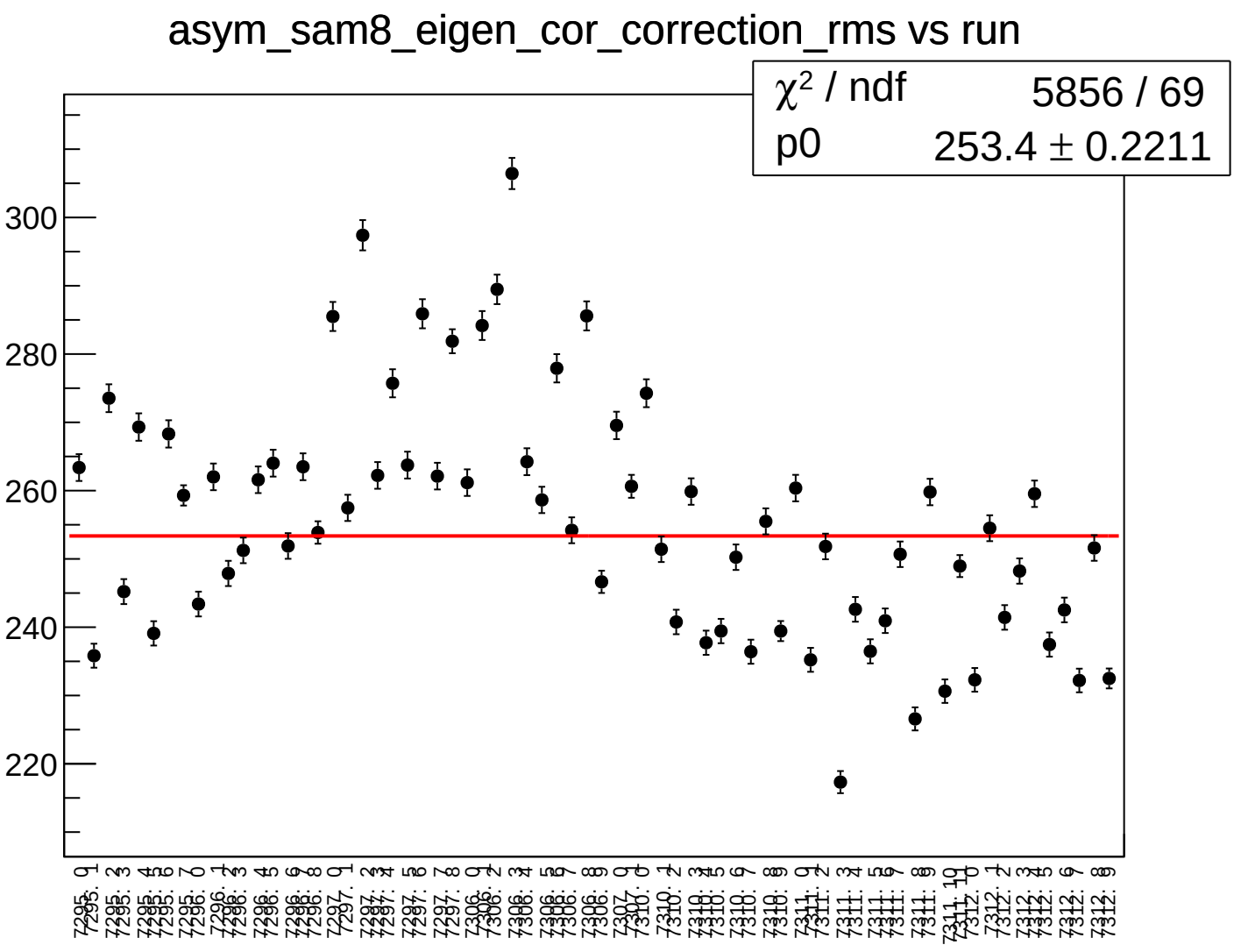

eigen_cor_asym_sam8_mean vs run
χ² / ndf 90.87 / 69
p0 143.2 ± 83.78
pull
Entries 70
Mean −291.6
Std Dev 0

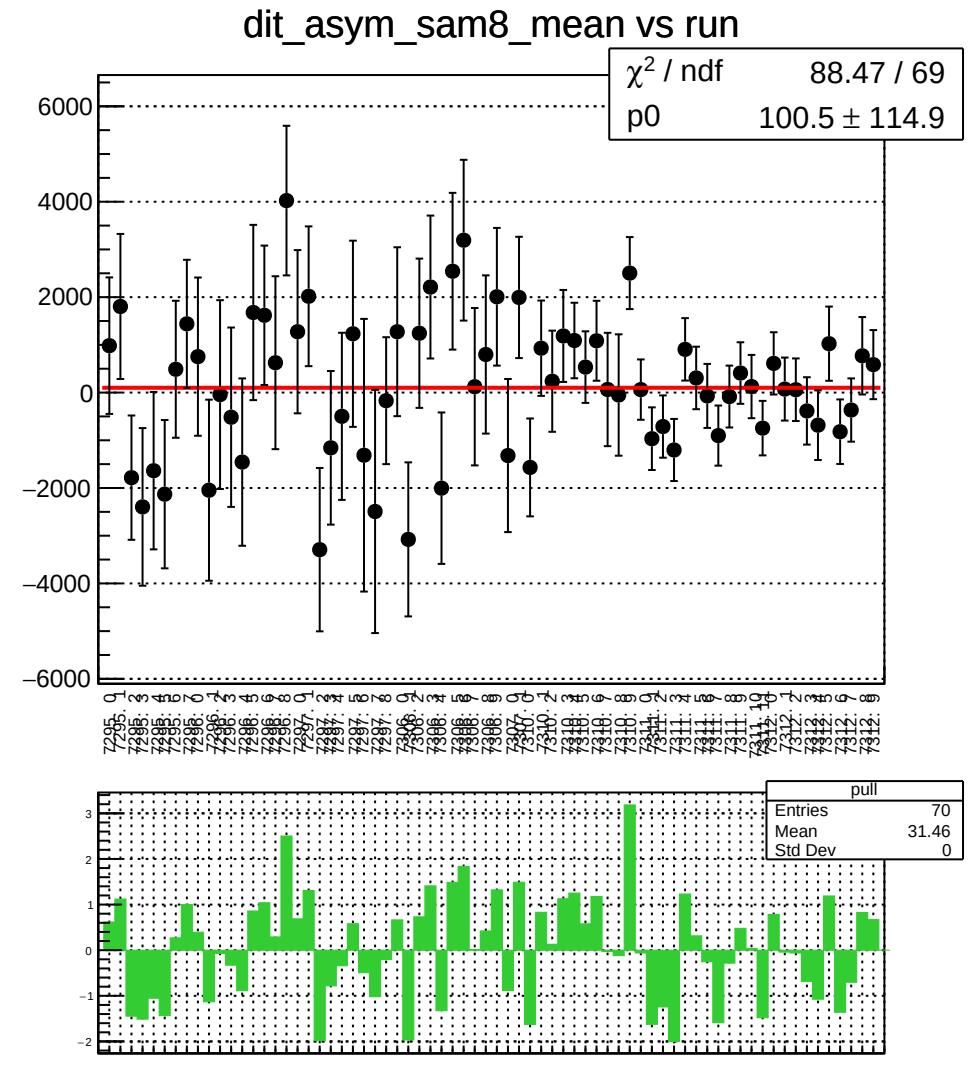

pull1D
Entries 70
Mean −0.004706
Std Dev 1.139

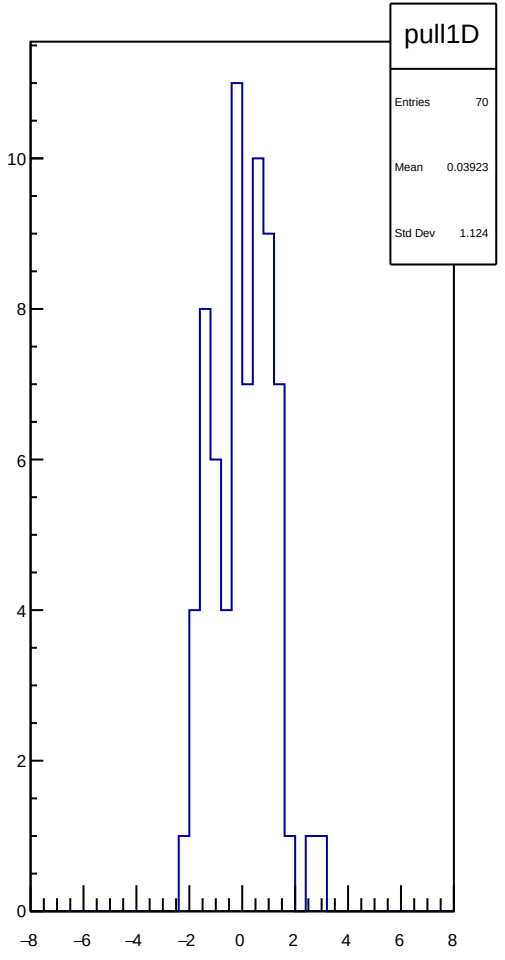

eigen_cor_asym_sam8_rms vs run
χ² / ndf 3.613e+04 / 69
p0 67.1 ± 0.05924
85
80
75
70
65
60
55
50

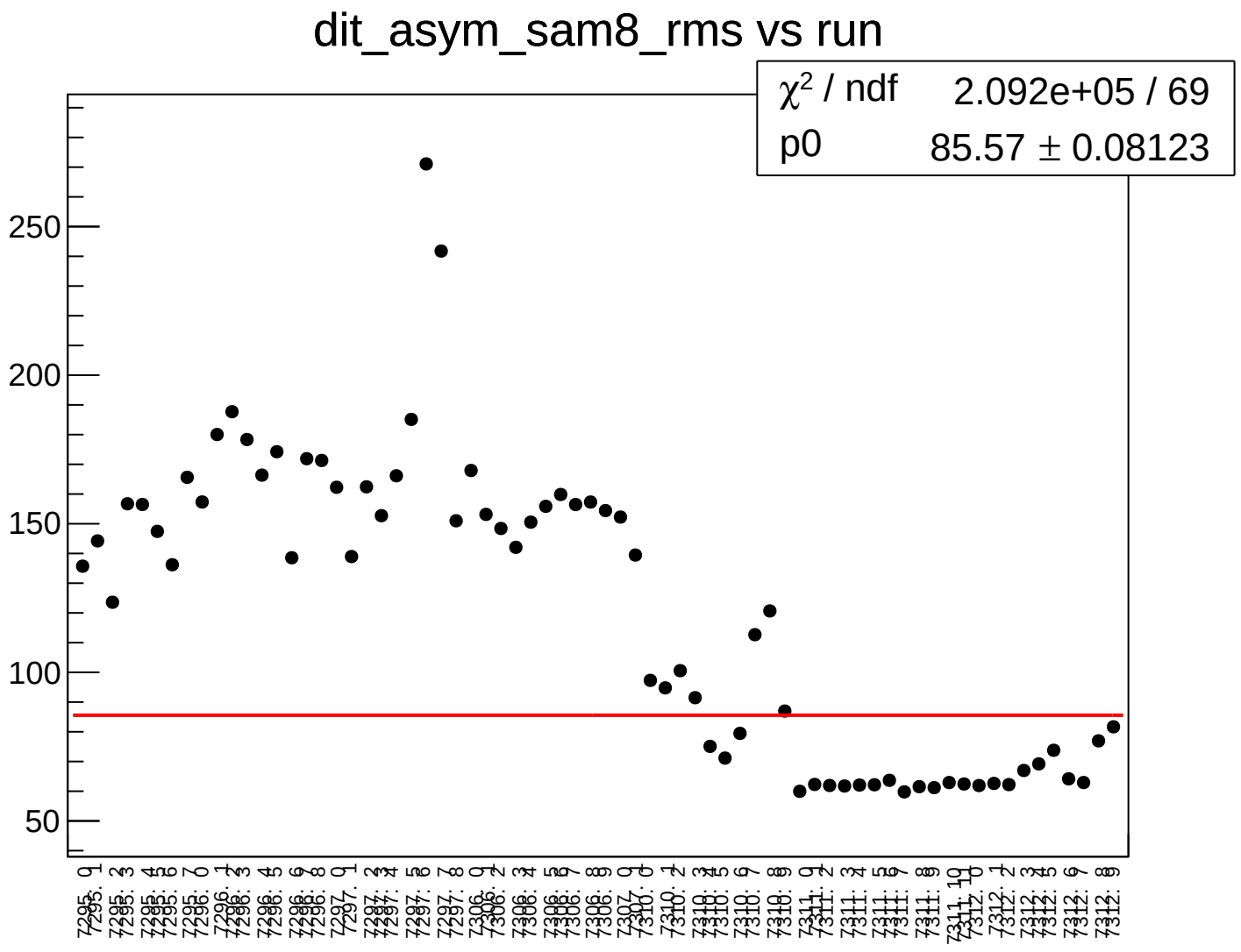

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 85.97 / 69
p0 −457.8 ± 312.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 594.2
Std Dev 0
2
1
0
−1
−2
−3

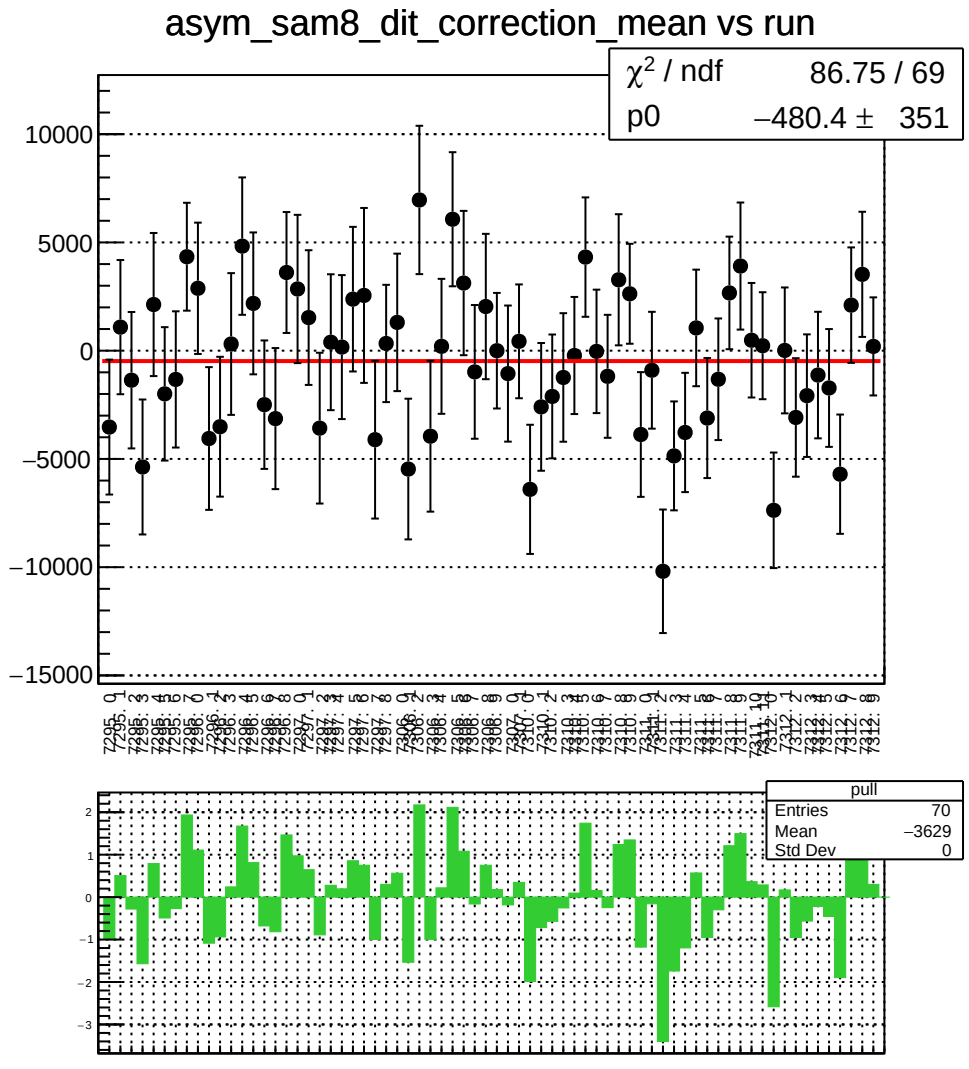

pull1D
Entries 70
Mean −0.005009
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

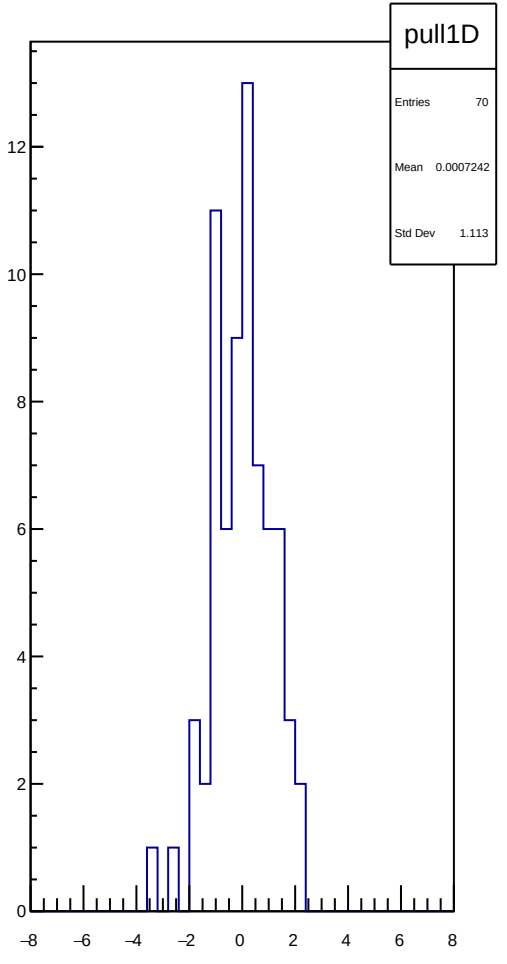

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 5856 / 69
p0 253.4 ± 0.2211
300
280
260
240
220

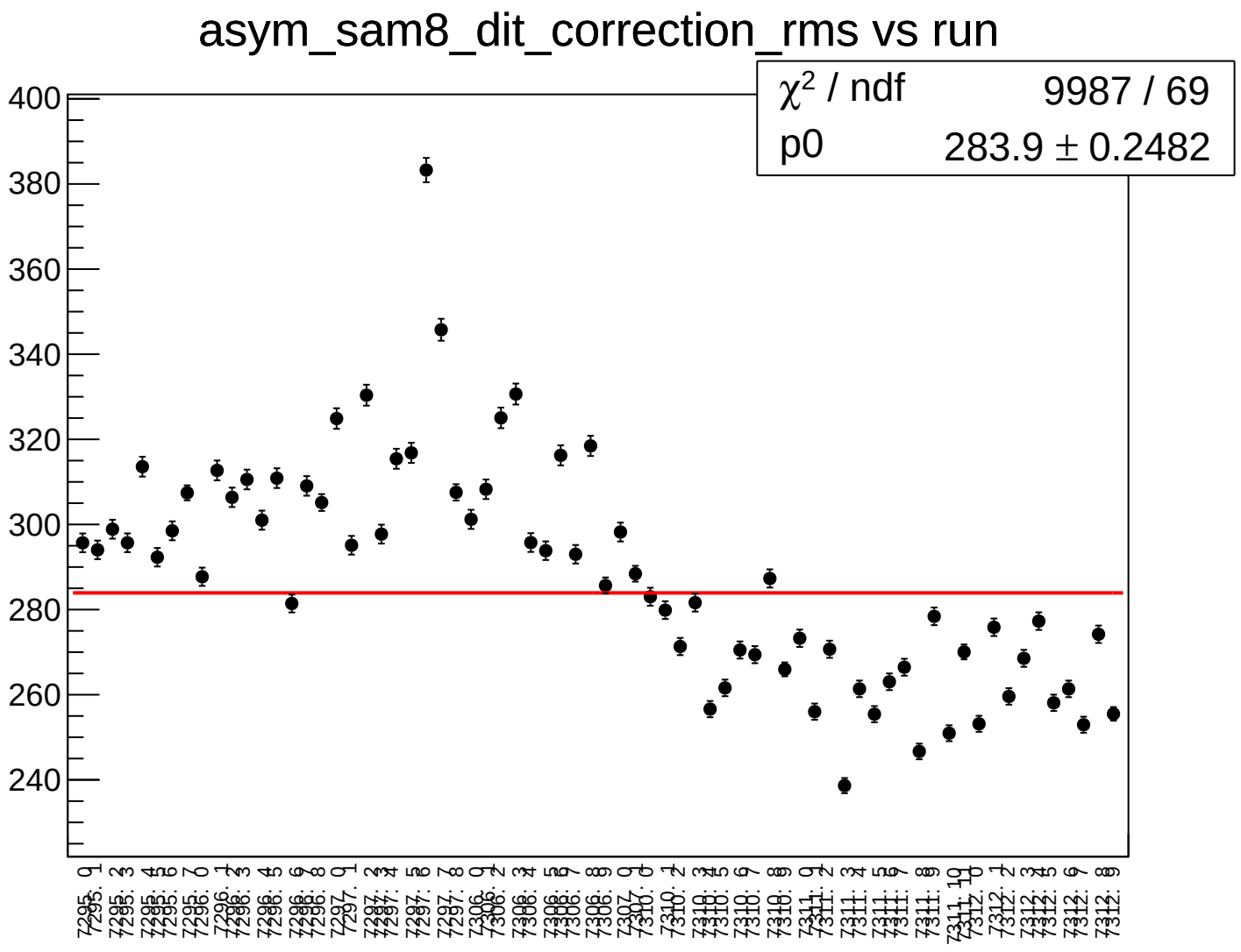

dit_asym_sam8_mean vs run
χ² / ndf 88.47 / 69
p0 100.5 ± 114.9
pull
Entries 70
Mean 31.46
Std Dev 0

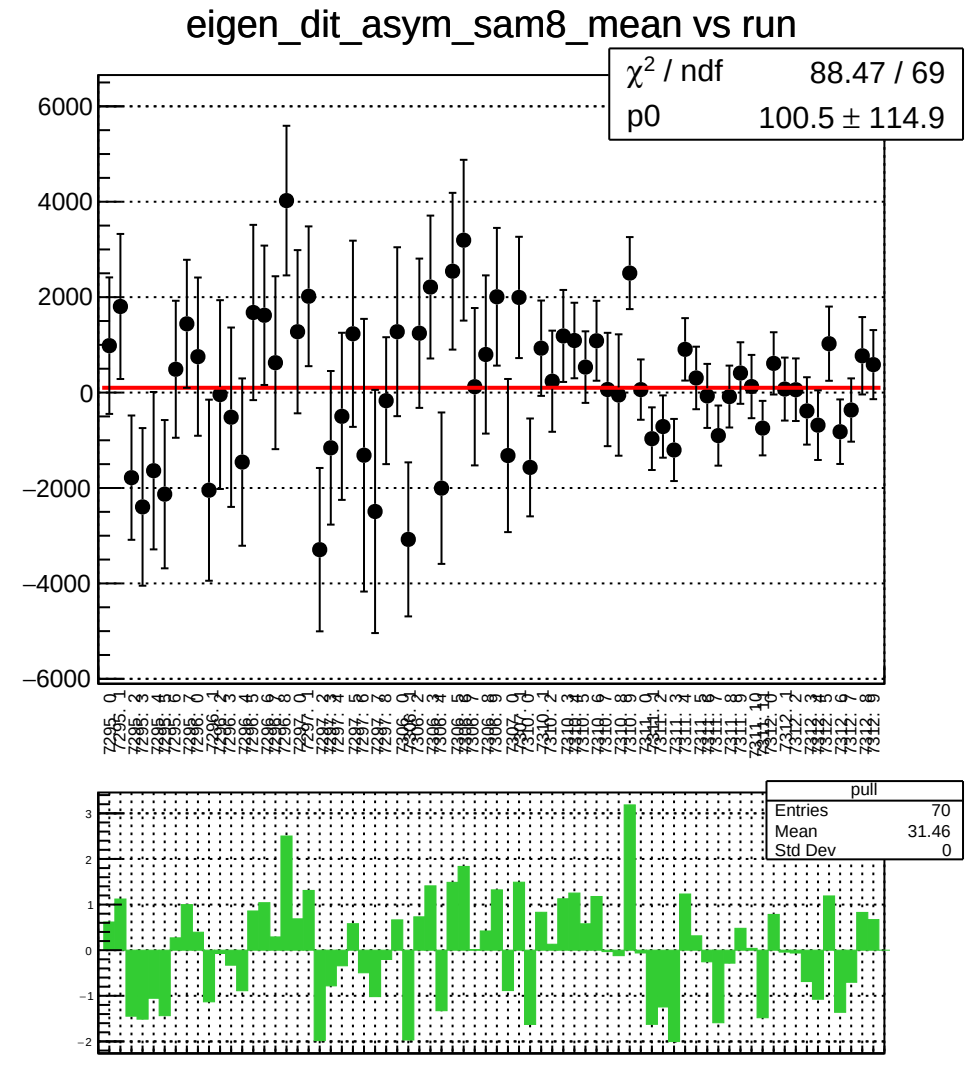

pull1D
Entries 70
Mean 0.03923
Std Dev 1.124

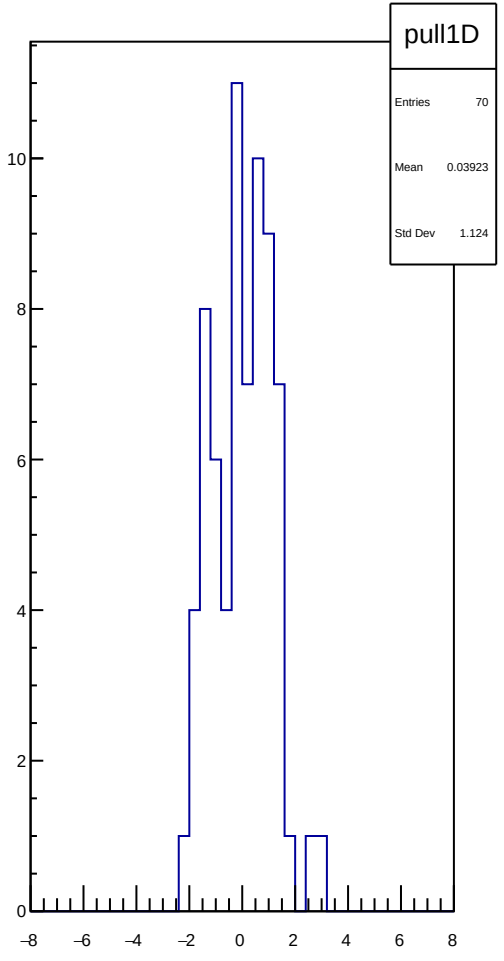

dit_asym_sam8_rms vs run
χ² / ndf 2.092e+05 / 69
p0 85.57 ± 0.08123
250
200
150
100
50

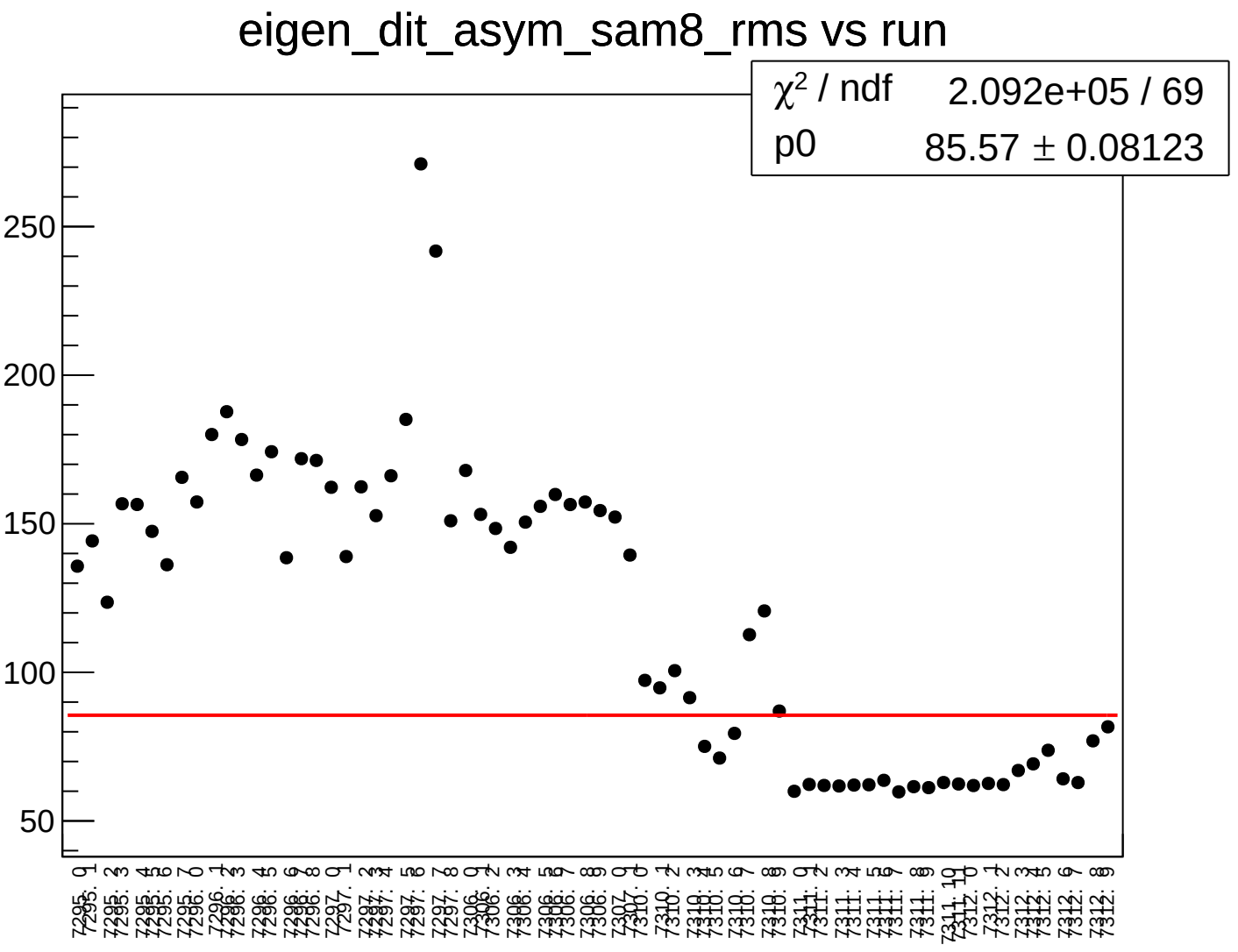

asym_sam8_dit_correction_mean vs run
χ² / ndf 86.75 / 69
p0 −480.4 ± 351
pull
Entries 70
Mean −3629
Std Dev 0

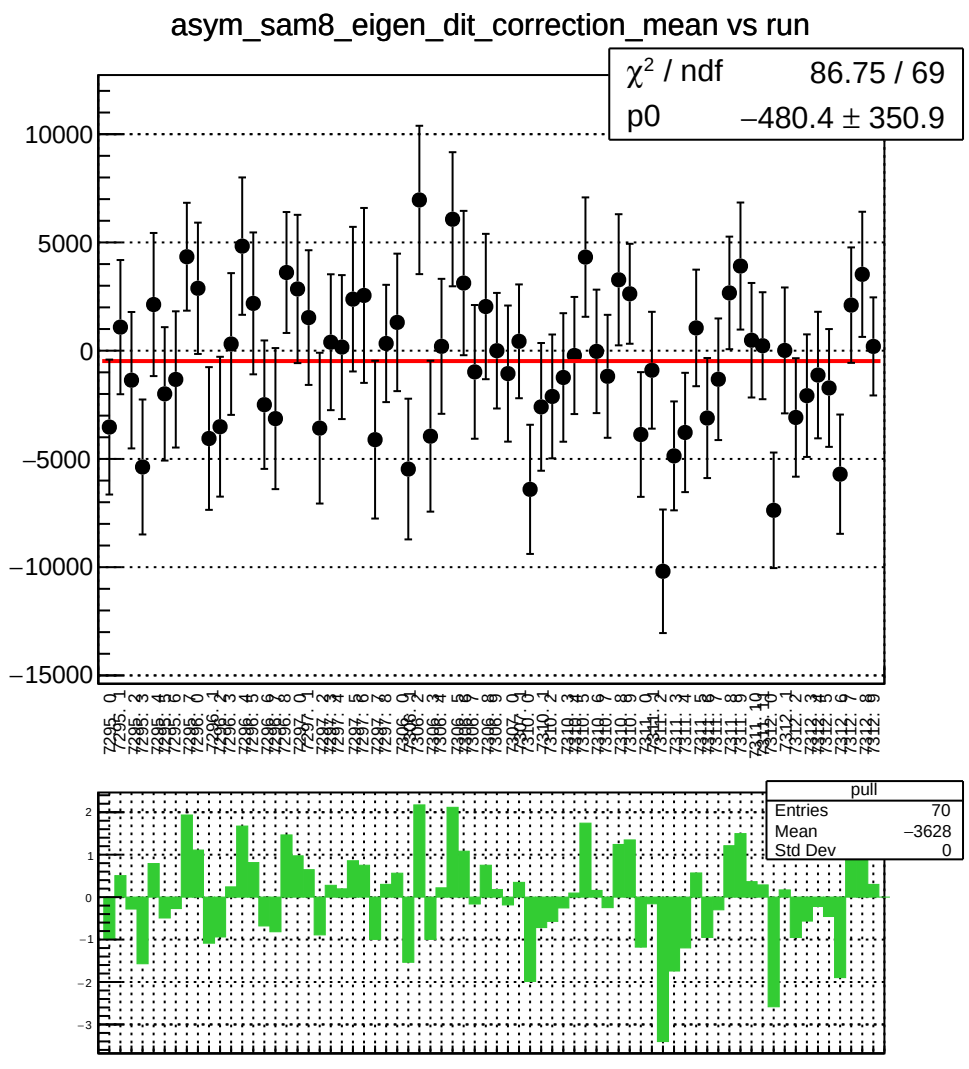

pull1D
Entries 70
Mean 0.0007242
Std Dev 1.113

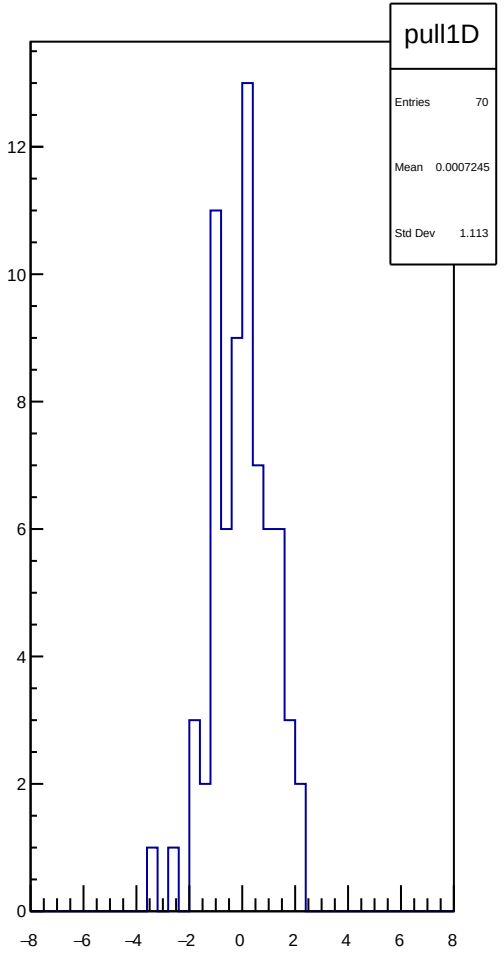

asym_sam8_dit_correction_rms vs run
χ² / ndf 9987 / 69
p0 283.9 ± 0.2482
400
380
360
340
320
300
280
260
240

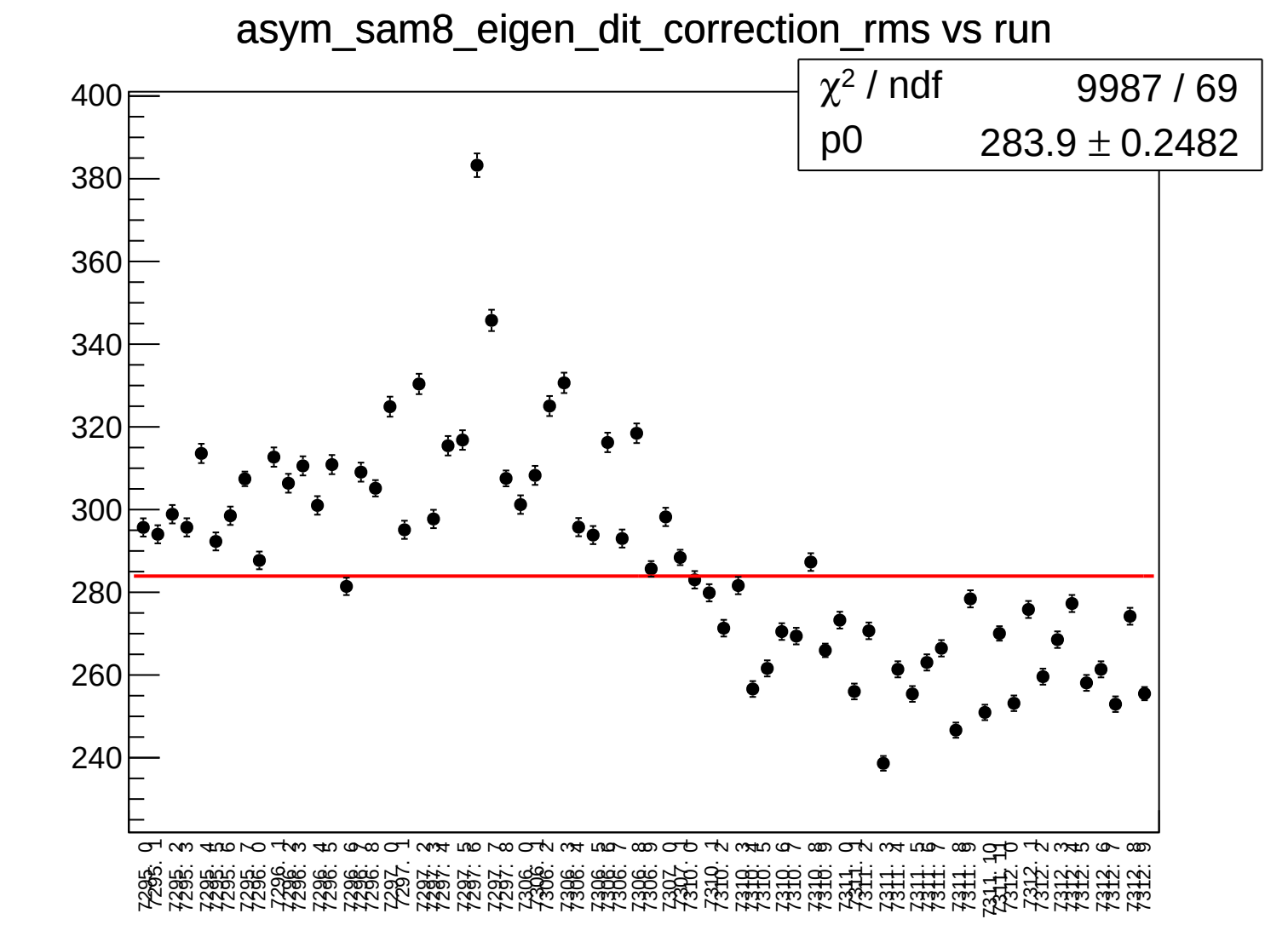

eigen_dit_asym_sam8_mean vs run
χ² / ndf 88.47 / 69
p0 100.5 ± 114.9
pull
Entries 70
Mean 31.46
Std Dev 0

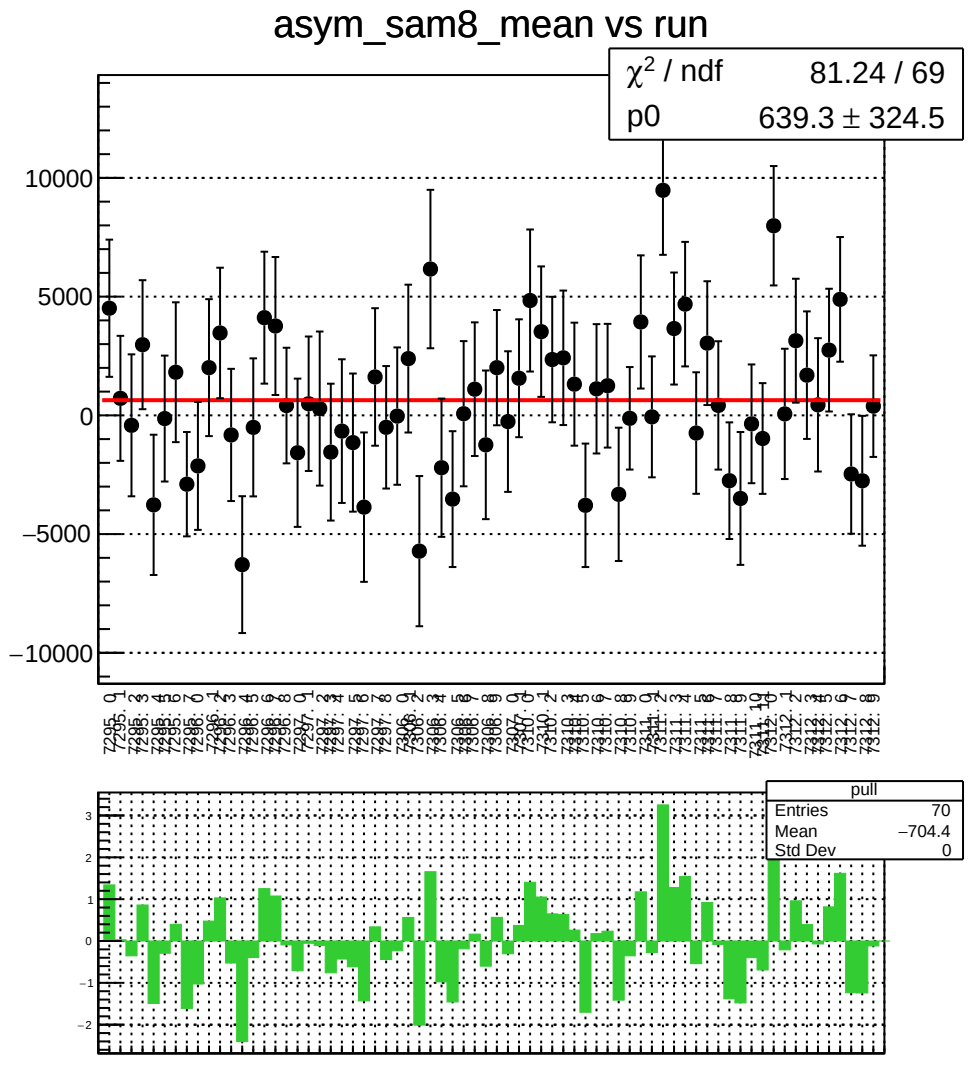

pull1D
Entries 70
Mean 0.03923
Std Dev 1.124

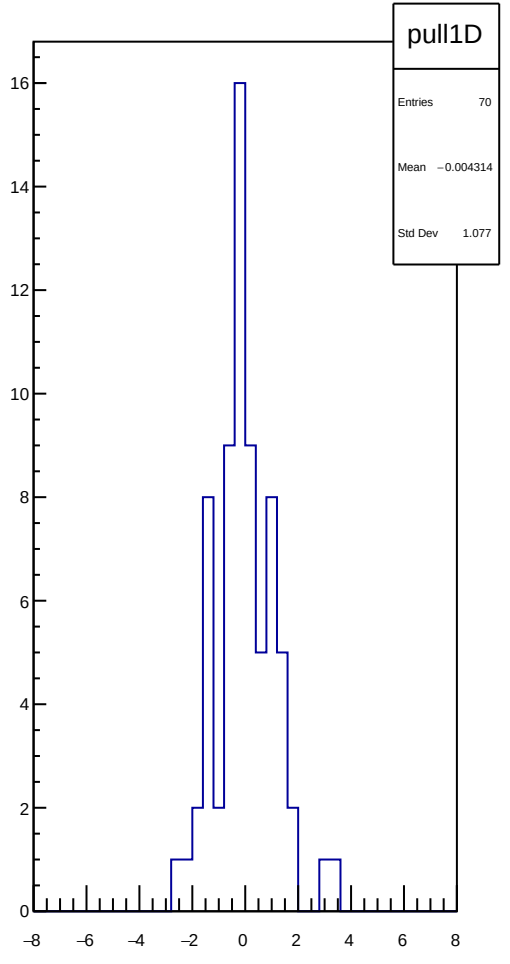

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 2.092e+05 / 69
p0 85.57 ± 0.08123
250
200
150
100
50

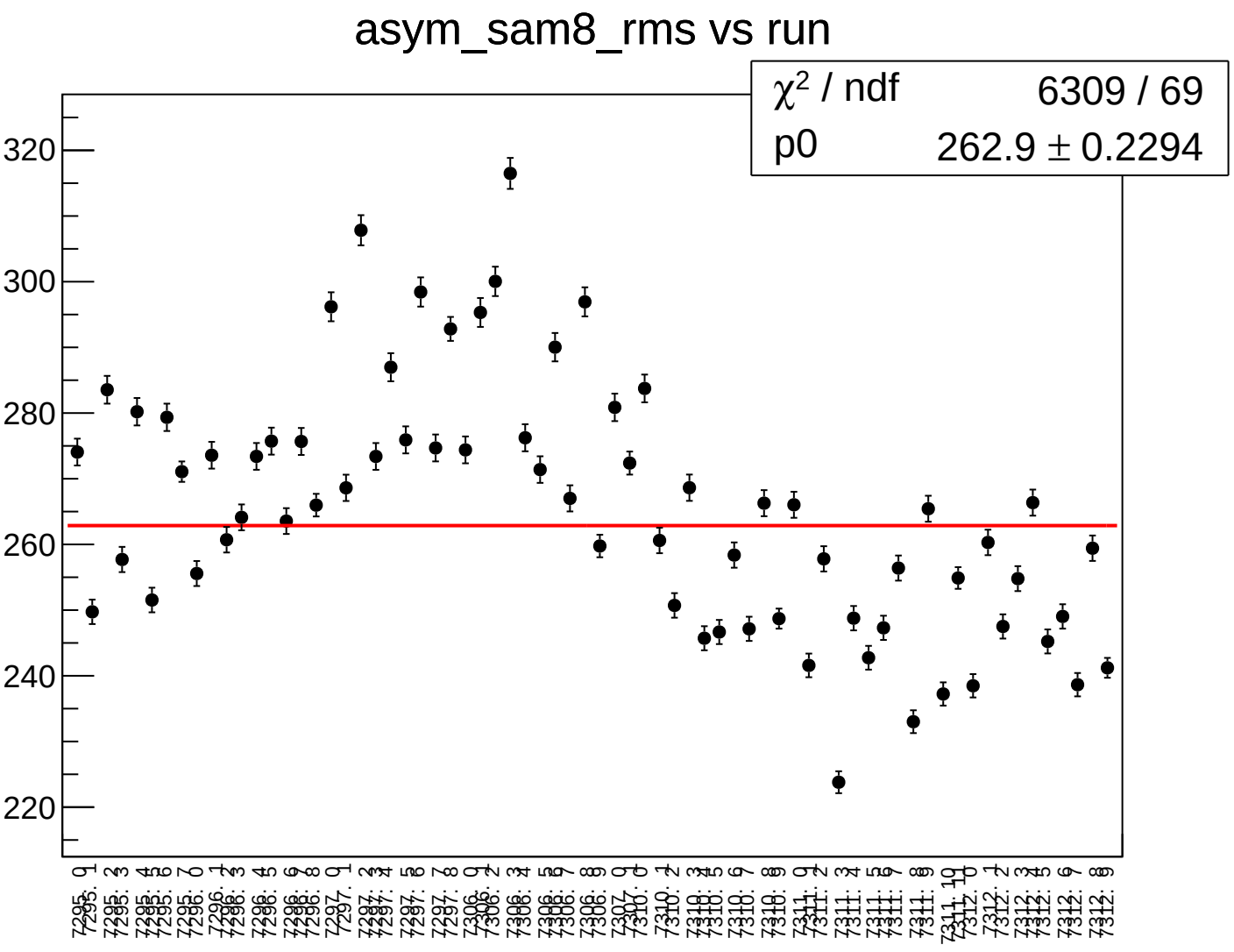

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 86.75 / 69
p0 −480.4 ± 350.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean −3628
Std Dev 0
2
1
0
−1
−2
−3

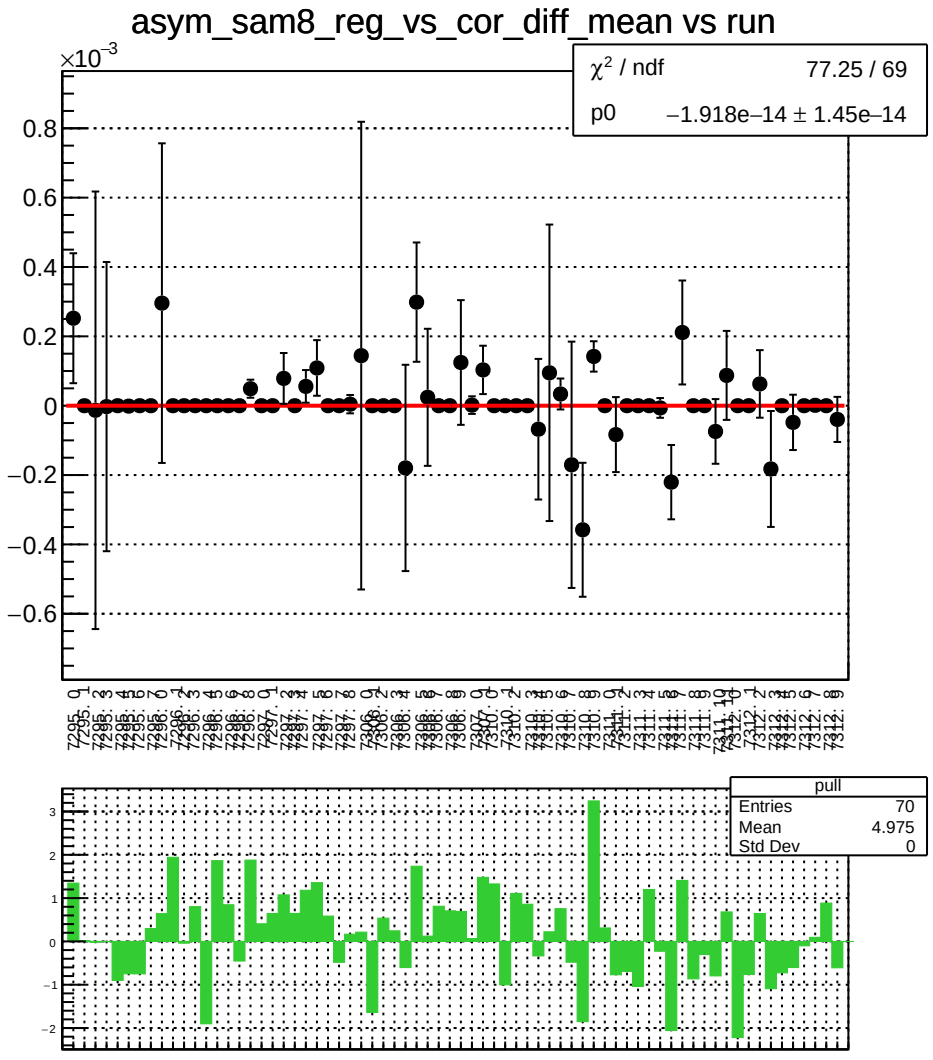

pull1D
Entries 70
Mean 0.0007245
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

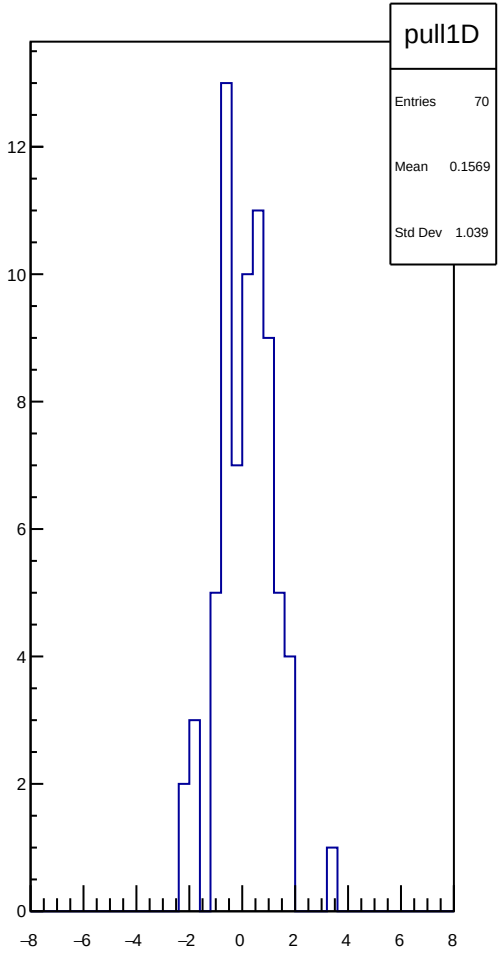

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 9987 / 69
p0 283.9 ± 0.2482
400
380
360
340
320
300
280
260
240

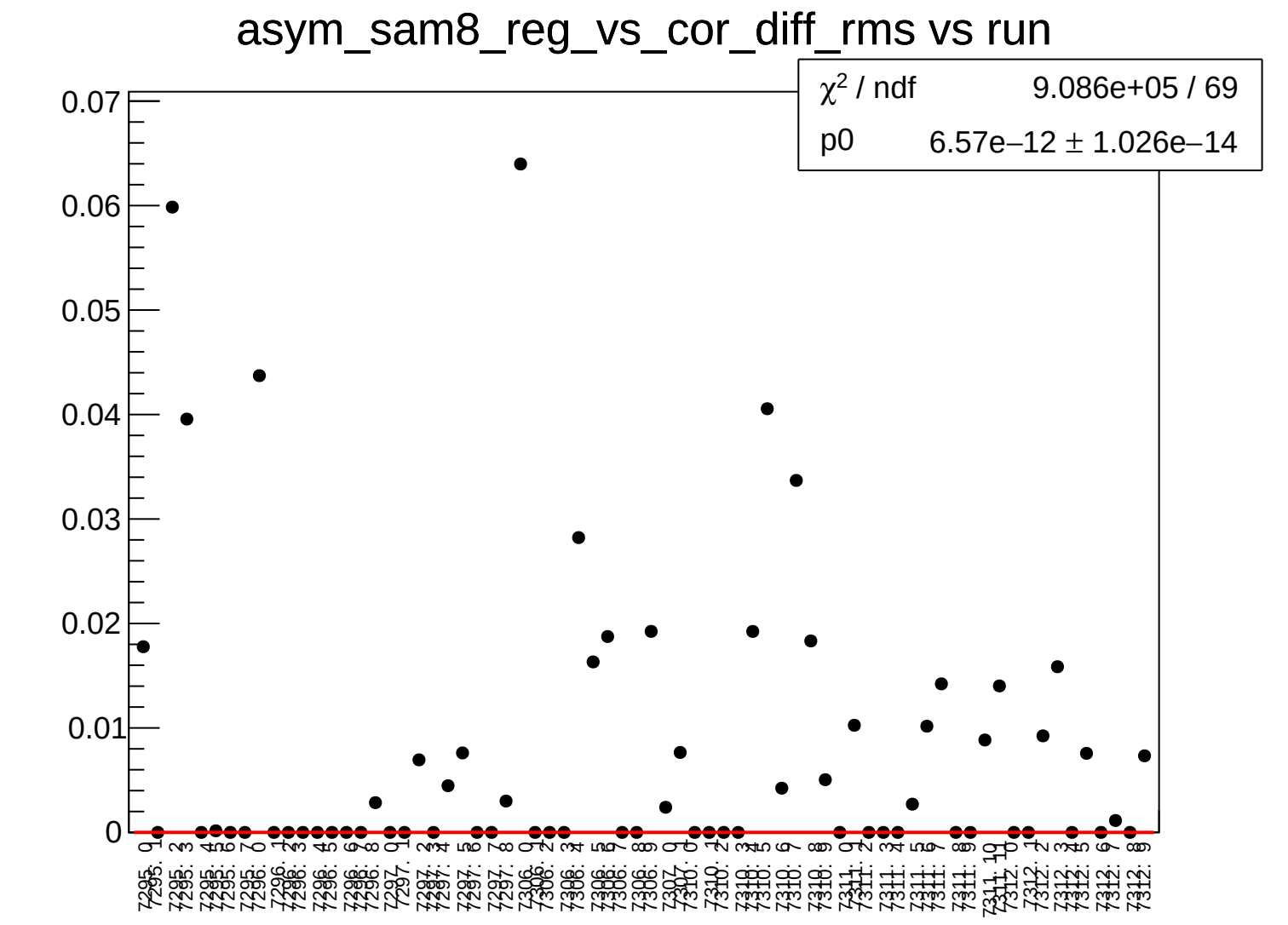

asym_sam8_mean vs run
χ^2 / ndf 81.24 / 69
p0 639.3 ± 324.5
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −704.4
Std Dev 0
3
2
1
0
−1
−2

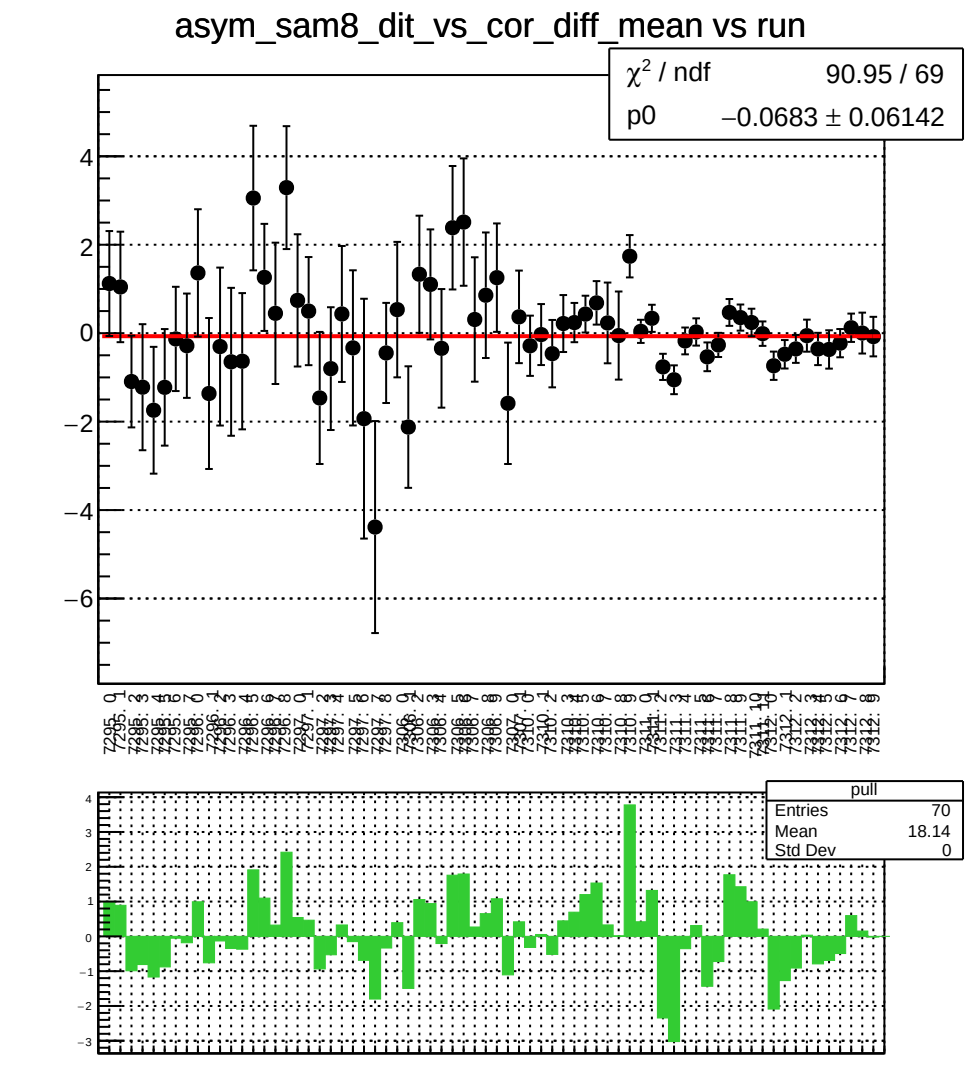

pull1D
Entries 70
Mean −0.004314
Std Dev 1.077
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

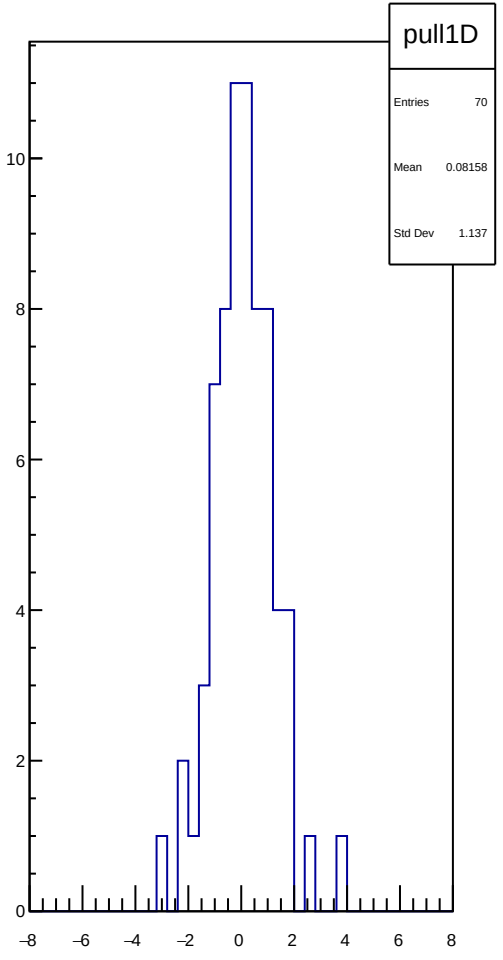

asym_sam8_rms vs run
χ^2 / ndf 6309 / 69
p0 262.9 ± 0.2294
320
300
280
260
240
220

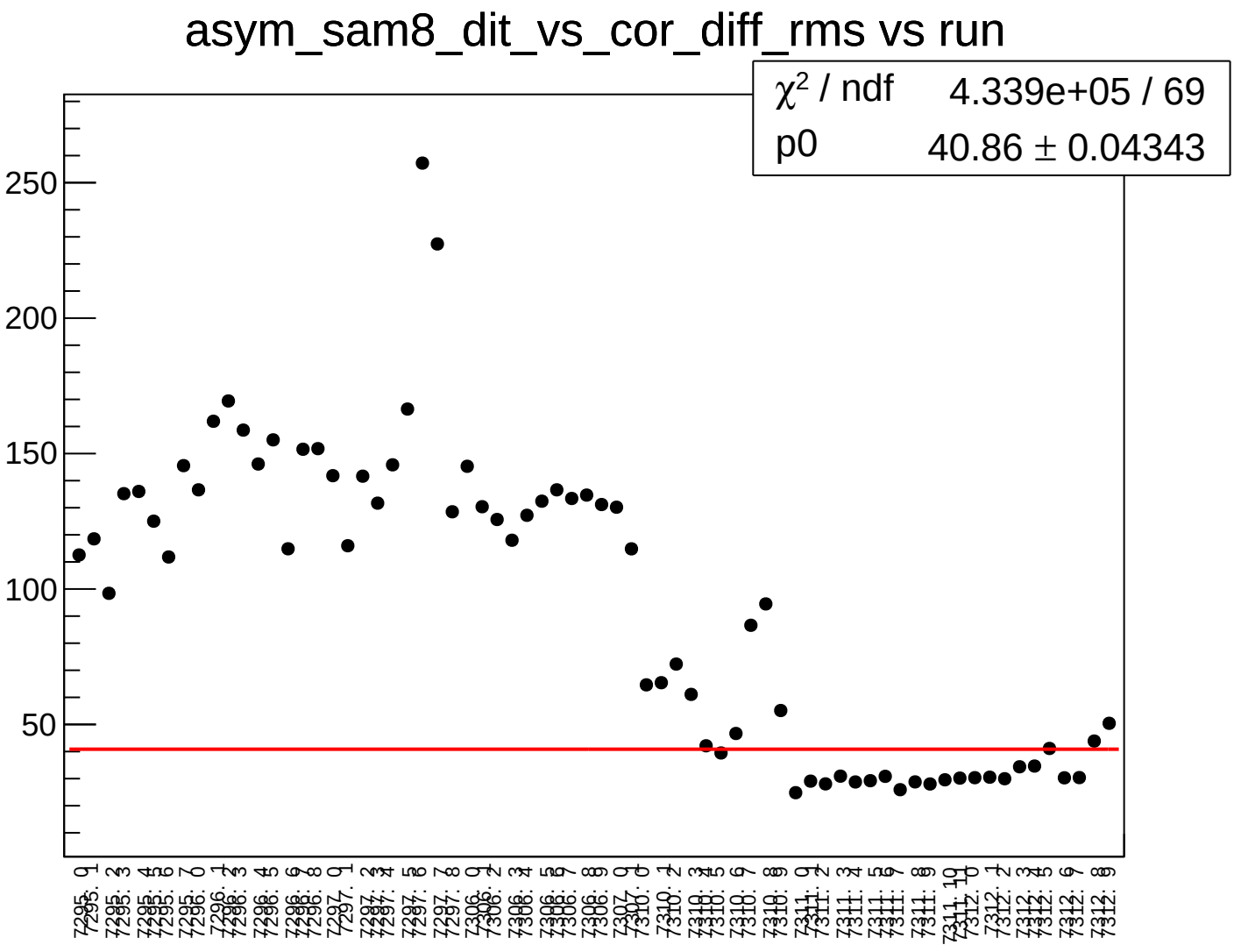

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 77.25 / 69
p0 −1.918e−14 ± 1.45e−14
pull
Entries 70
Mean 4.975
Std Dev 0

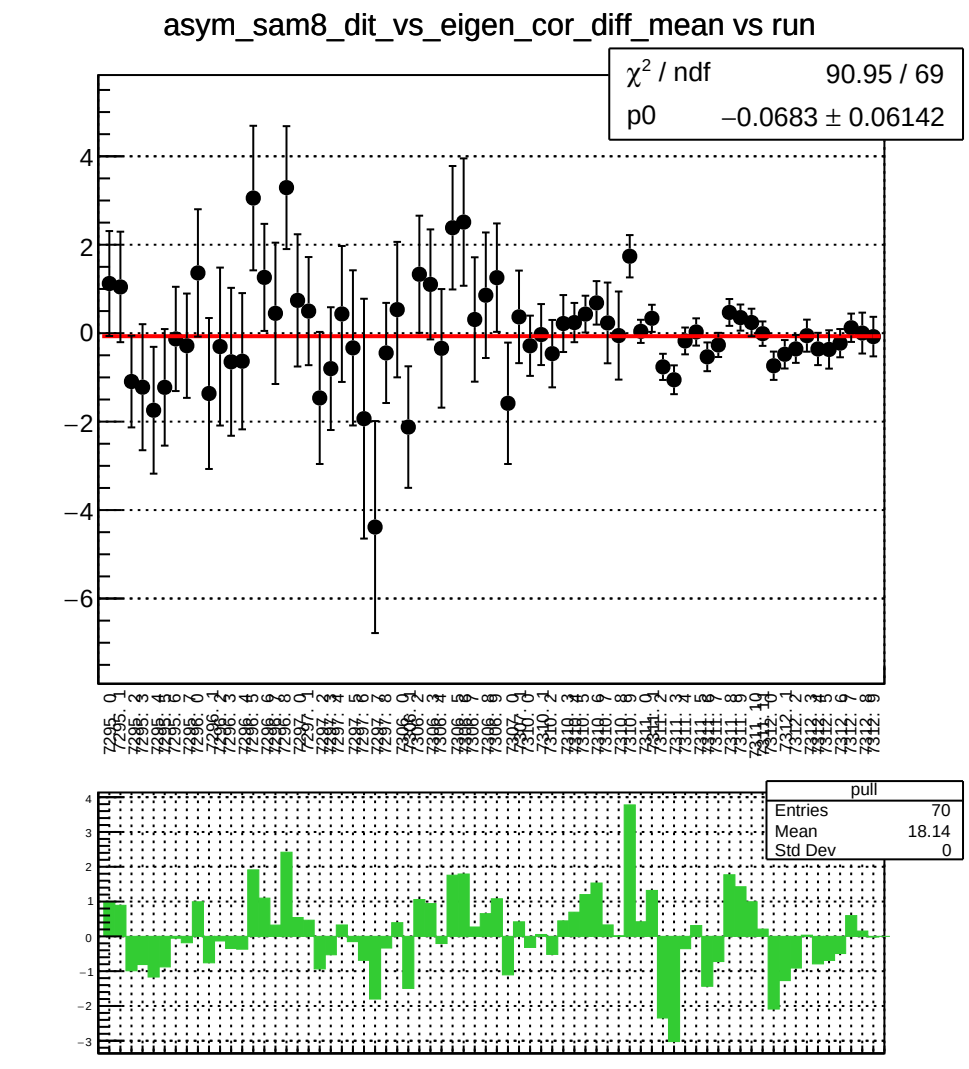

pull1D
Entries 70
Mean 0.1569
Std Dev 1.039

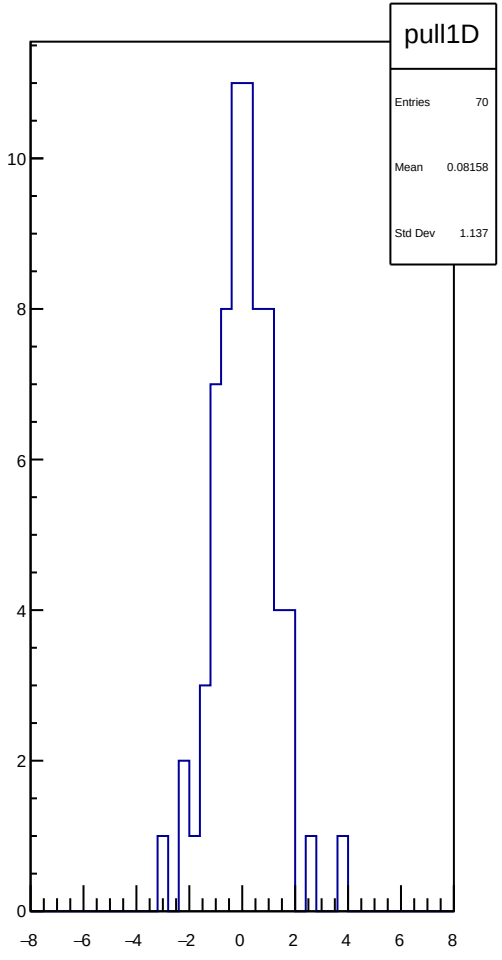

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 9.086e+05 / 69
p0 6.57e−12 ± 1.026e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

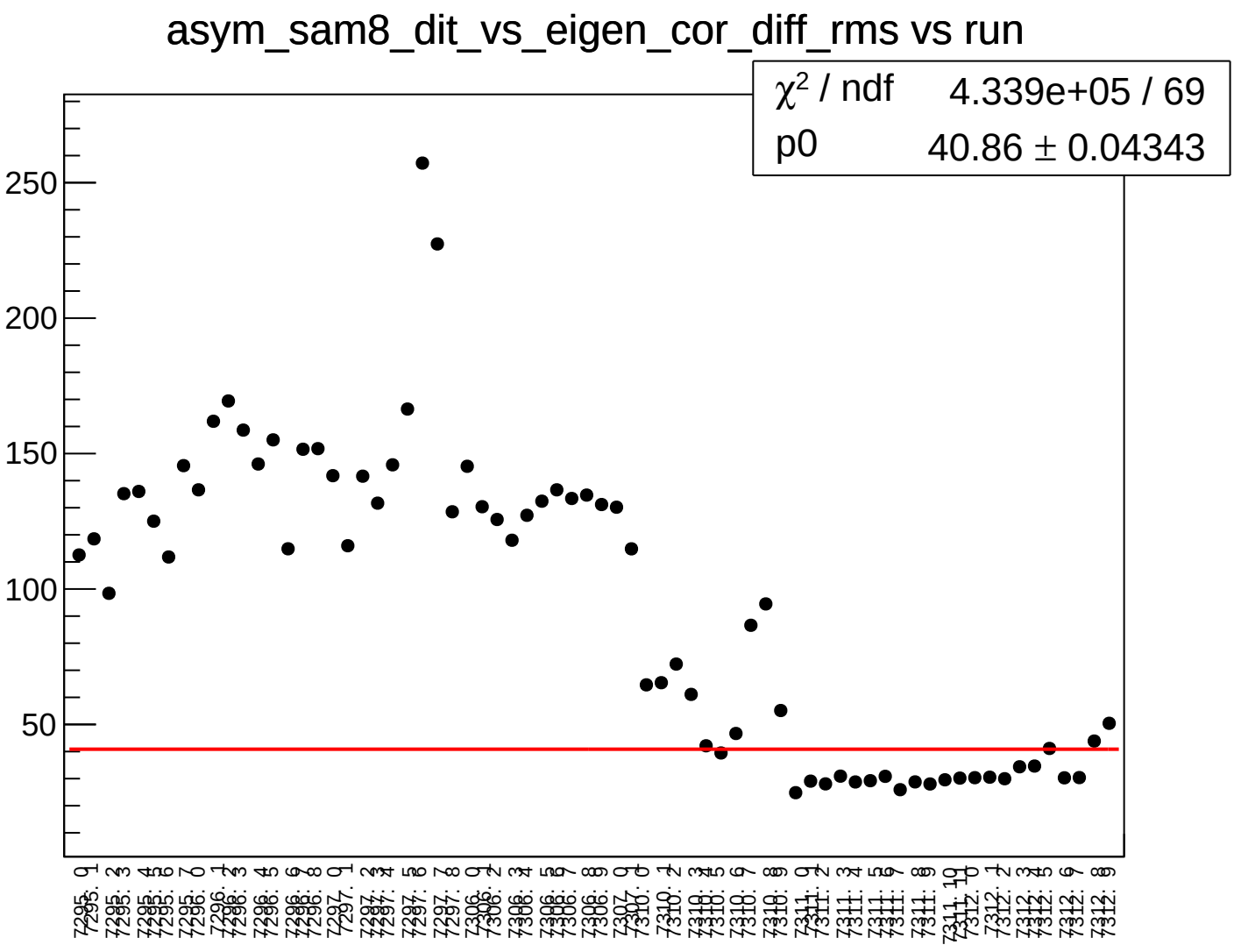

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 90.95 / 69
p0 −0.0683 ± 0.06142
pull
Entries 70
Mean 18.14
Std Dev 0

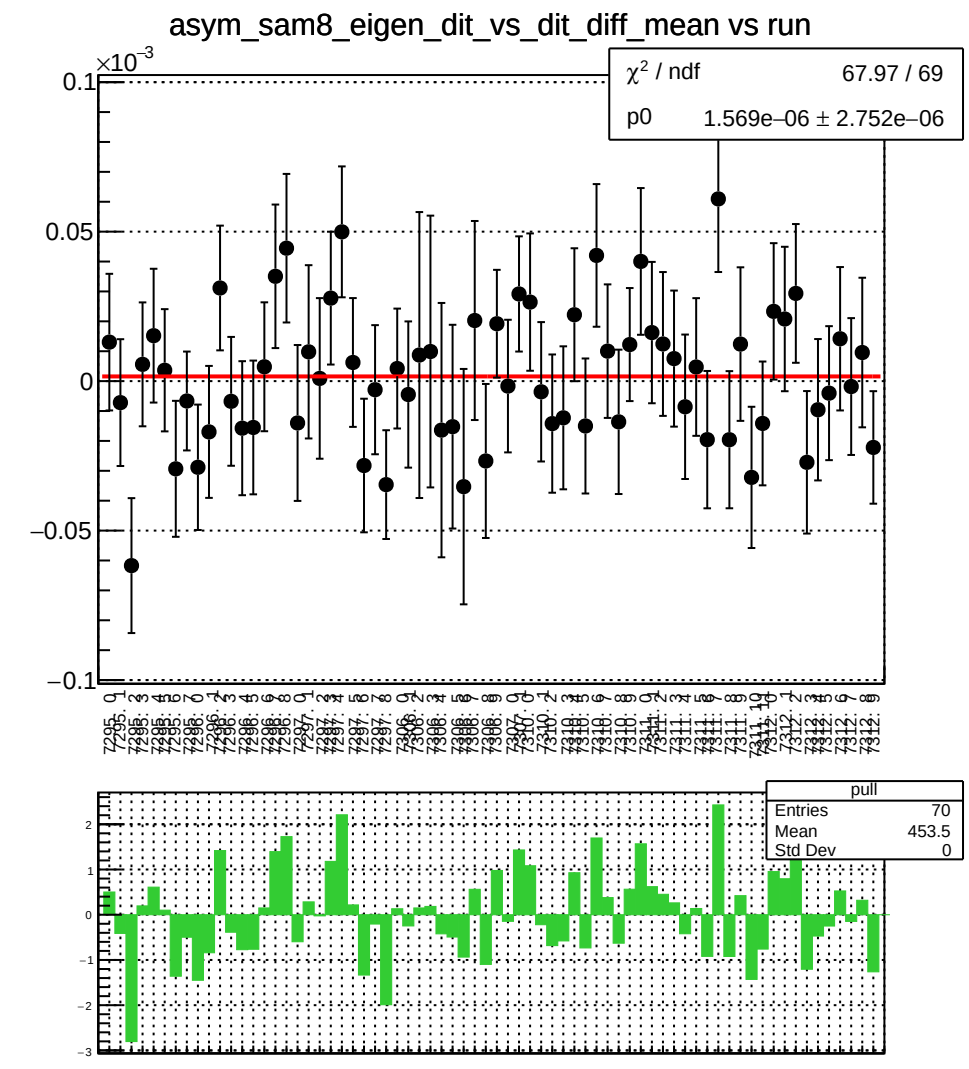

pull1D
Entries 70
Mean 0.08158
Std Dev 1.137

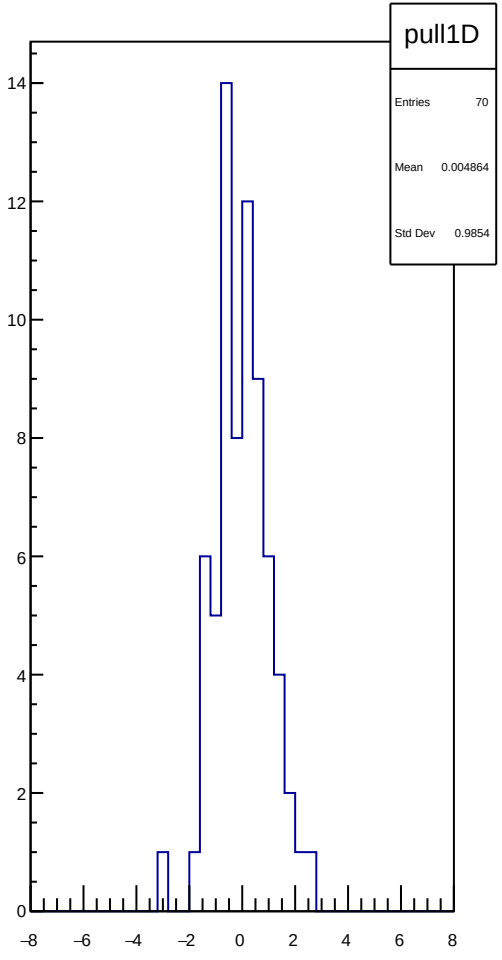

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 4.339e+05 / 69
p0 40.86 ± 0.04343
250
200
150
100
50

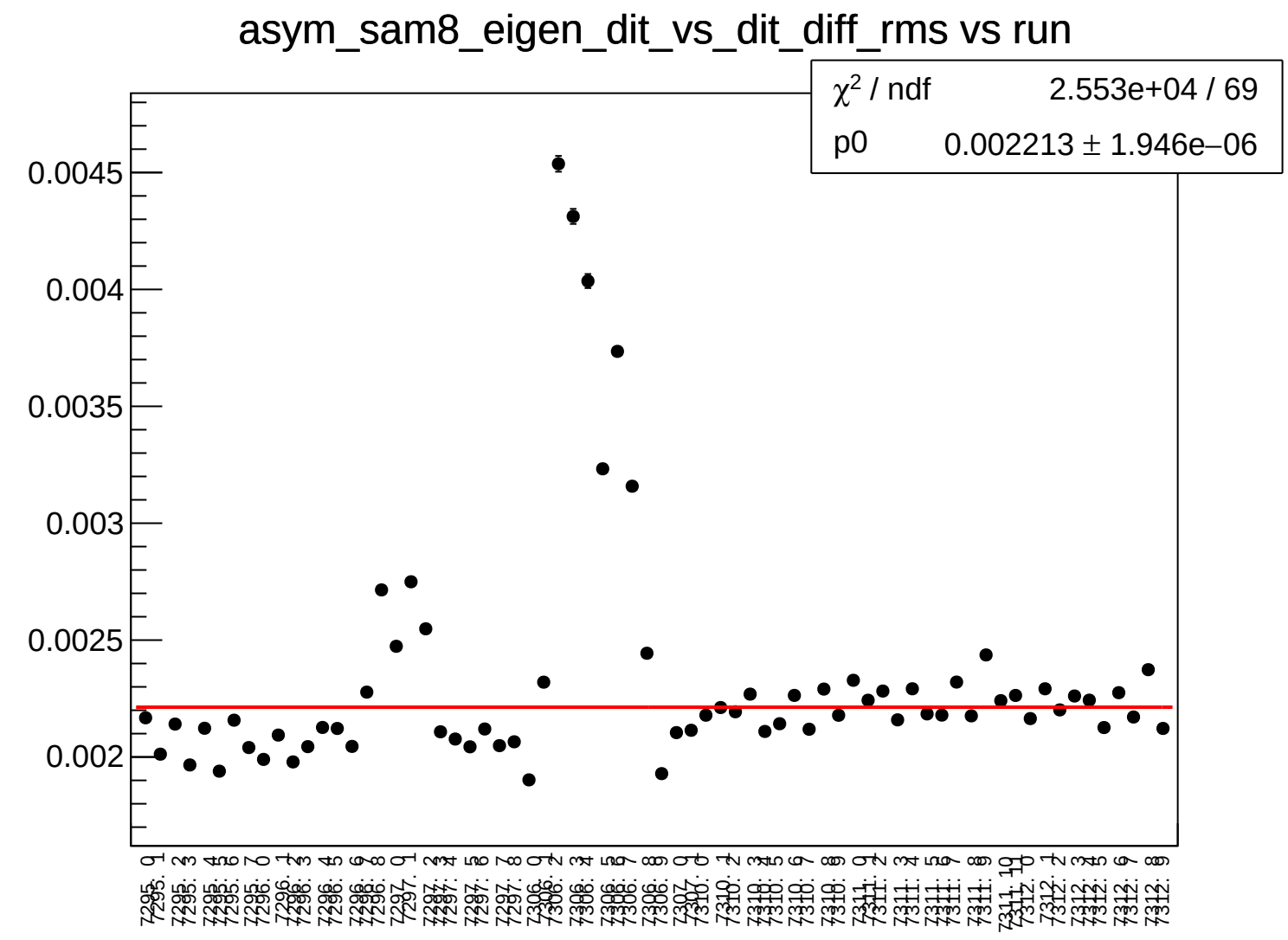

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.95 / 69
p0 −0.0683 ± 0.06142
pull
Entries 70
Mean 18.14
Std Dev 0

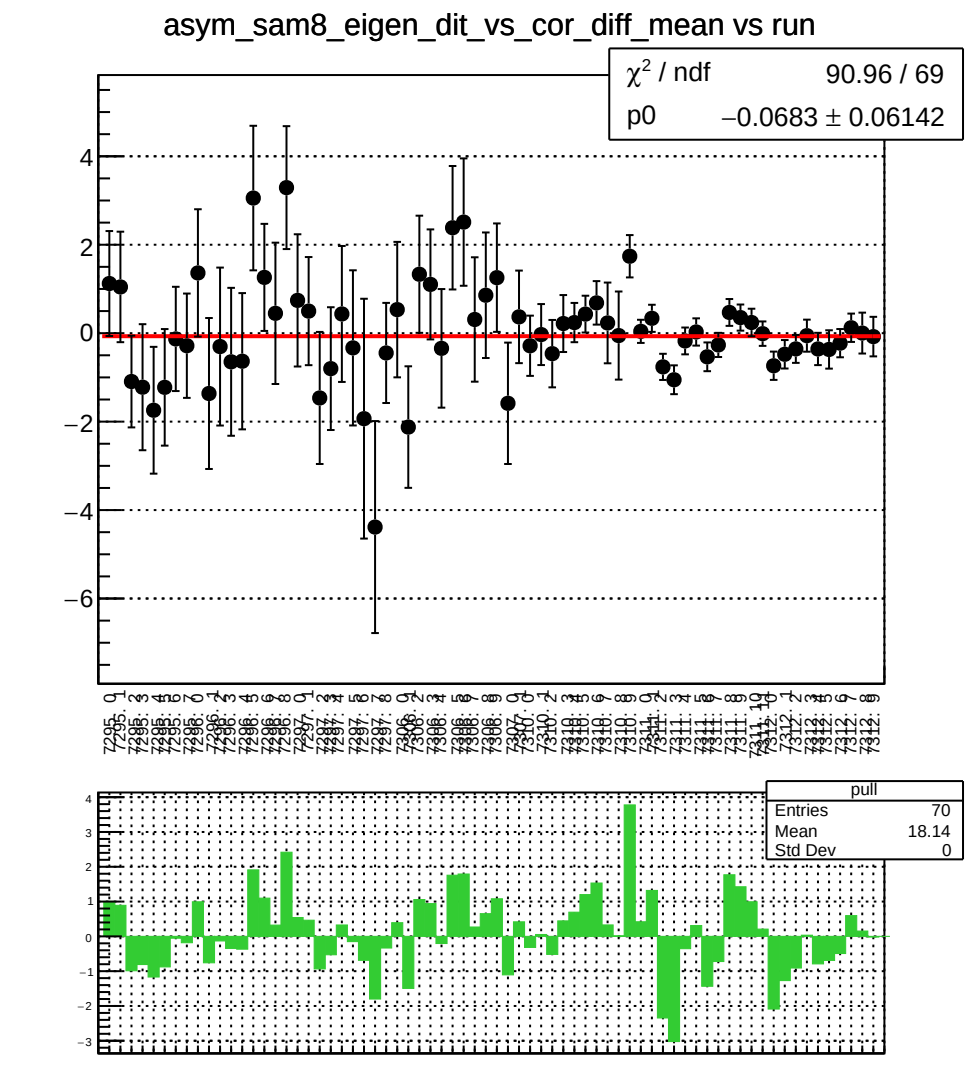

pull1D
Entries 70
Mean 0.08158
Std Dev 1.137

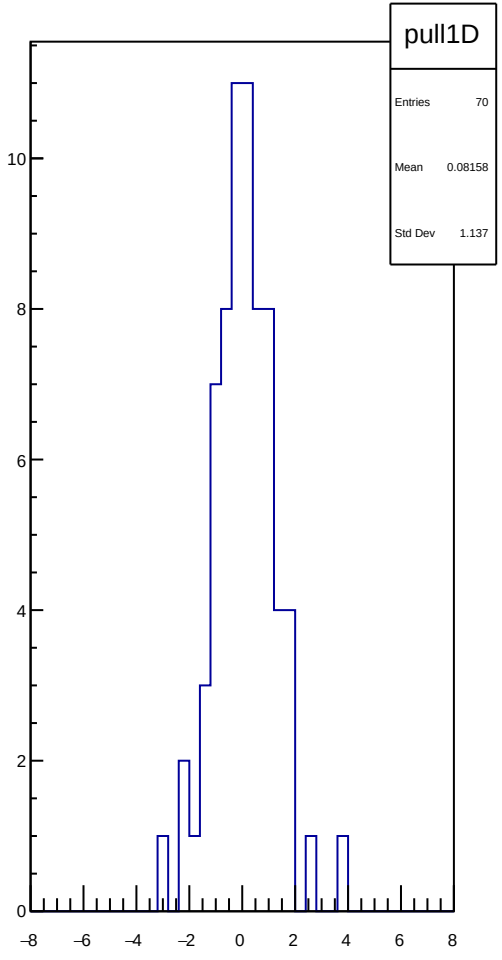

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.339e+05 / 69
p0 40.86 ± 0.04343
250
200
150
100
50

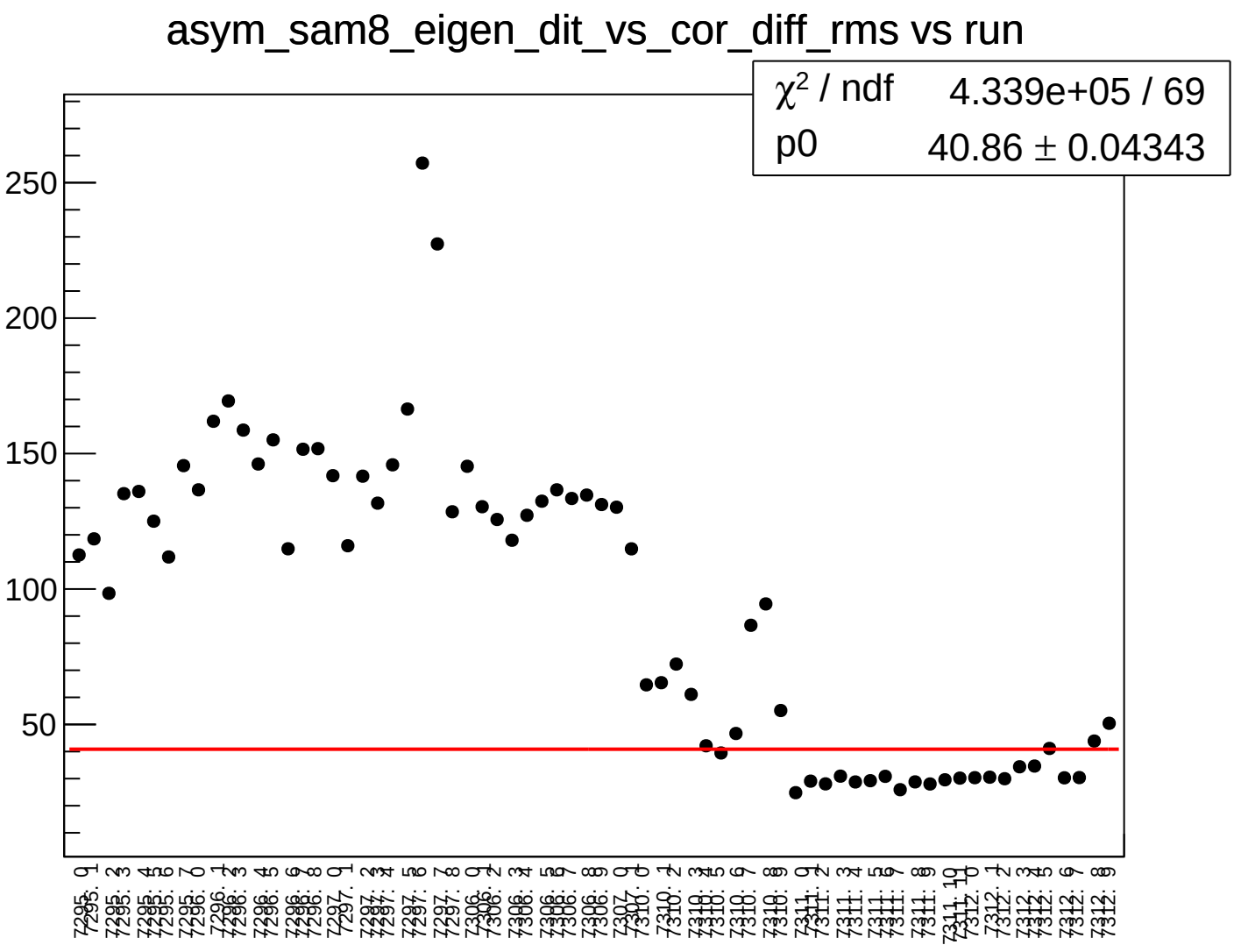

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.97 / 69
p0 1.569e−06 ± 2.752e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 453.5
Std Dev 0
2
1
0
−1
−2
−3

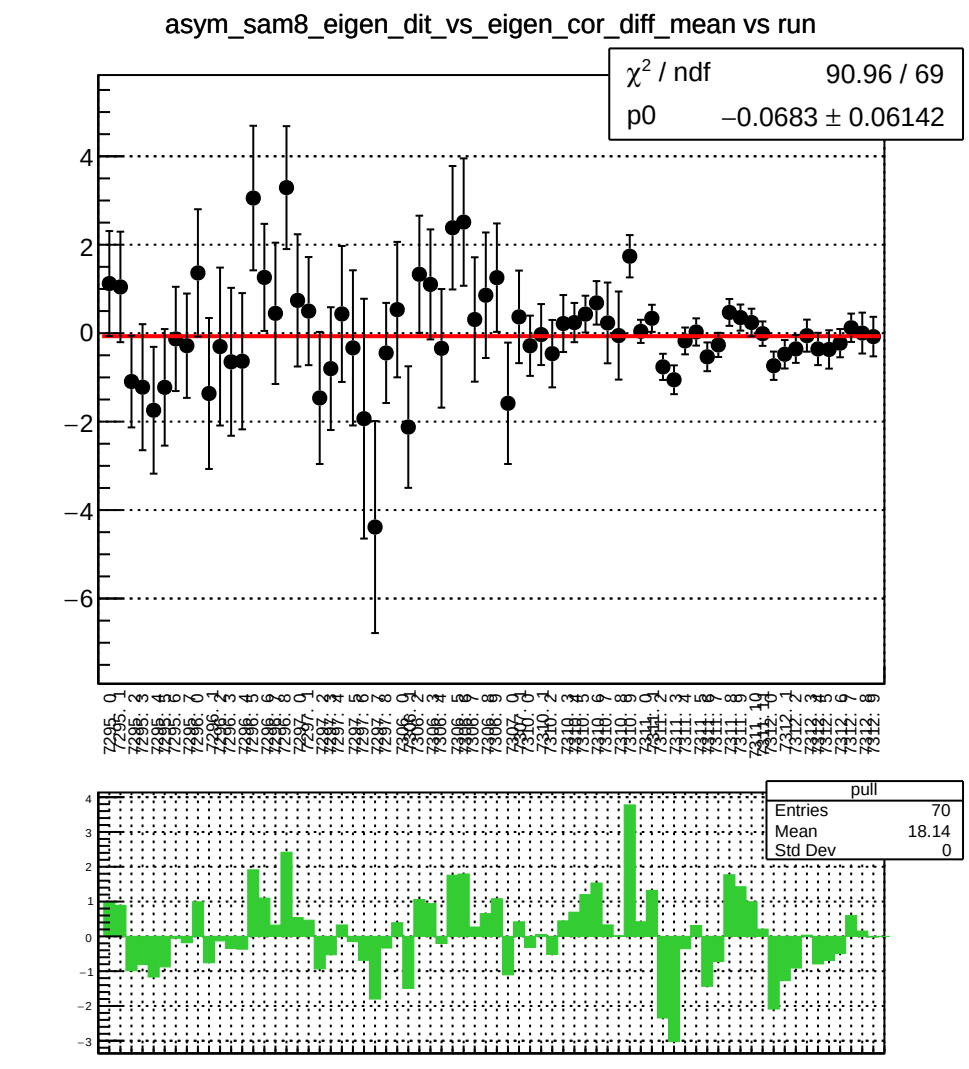

pull1D
Entries 70
Mean 0.004864
Std Dev 0.9854
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

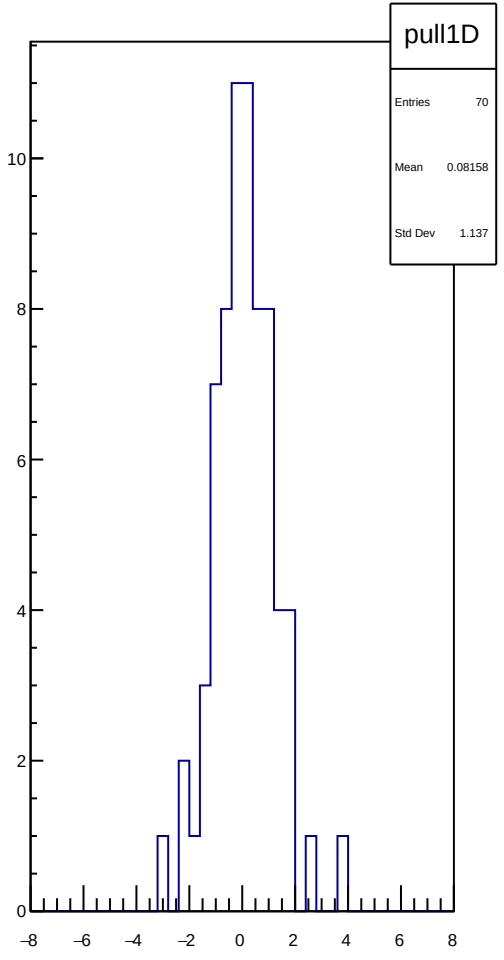

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.553e+04 / 69
p0 0.002213 ± 1.946e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002

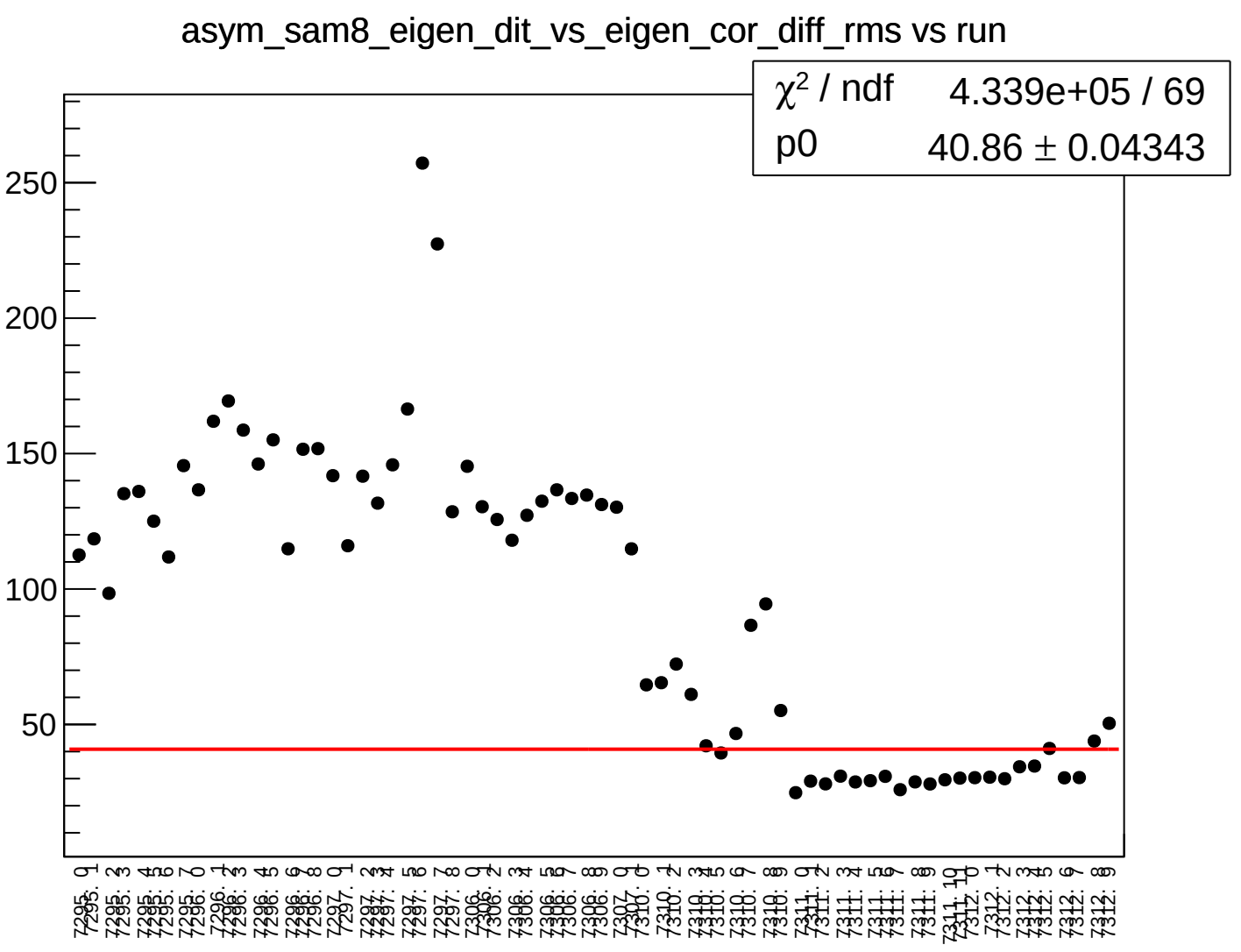

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.96 / 69
p0 −0.0683 ± 0.06142
pull
Entries 70
Mean 18.14
Std Dev 0

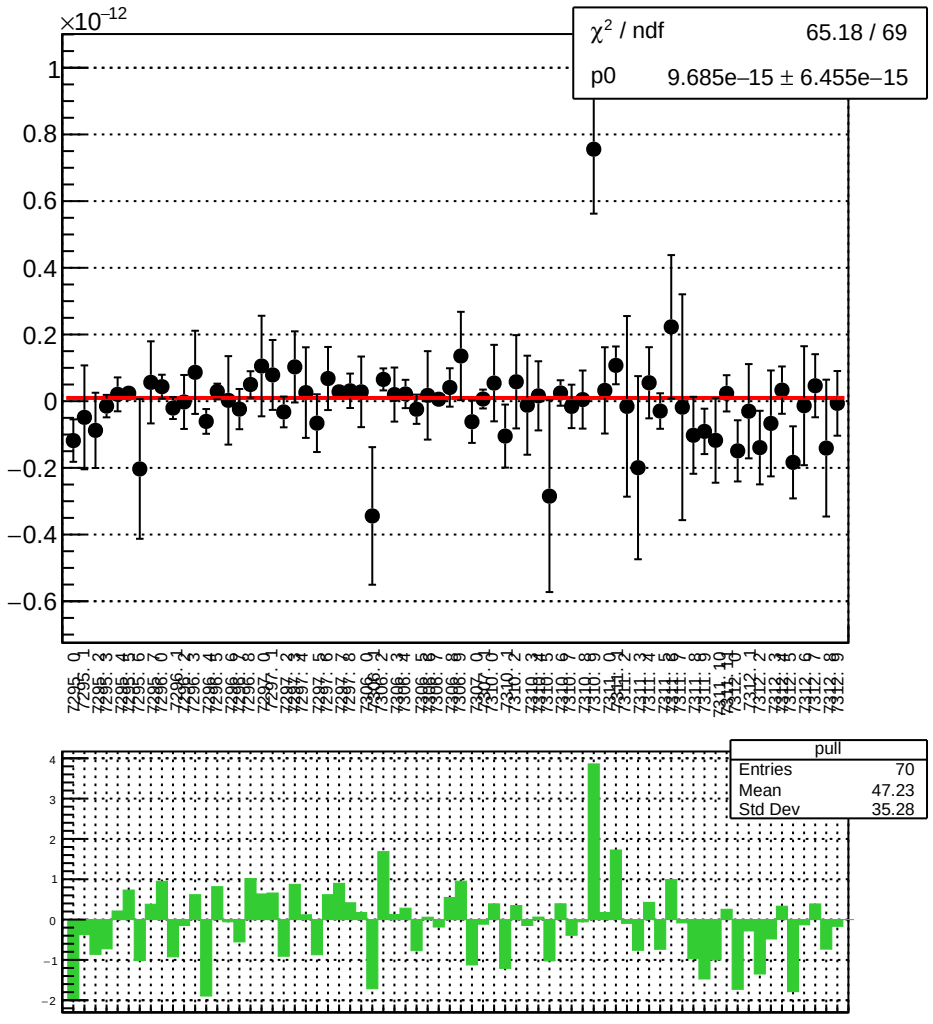

pull1D
Entries 70
Mean 0.08158
Std Dev 1.137

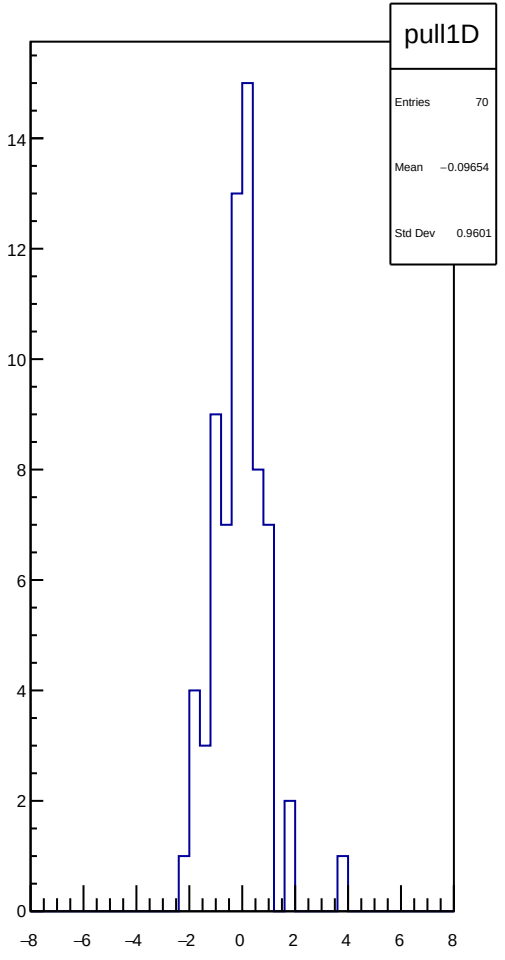

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.339e+05 / 69
p0 40.86 ± 0.04343
250
200
150
100
50

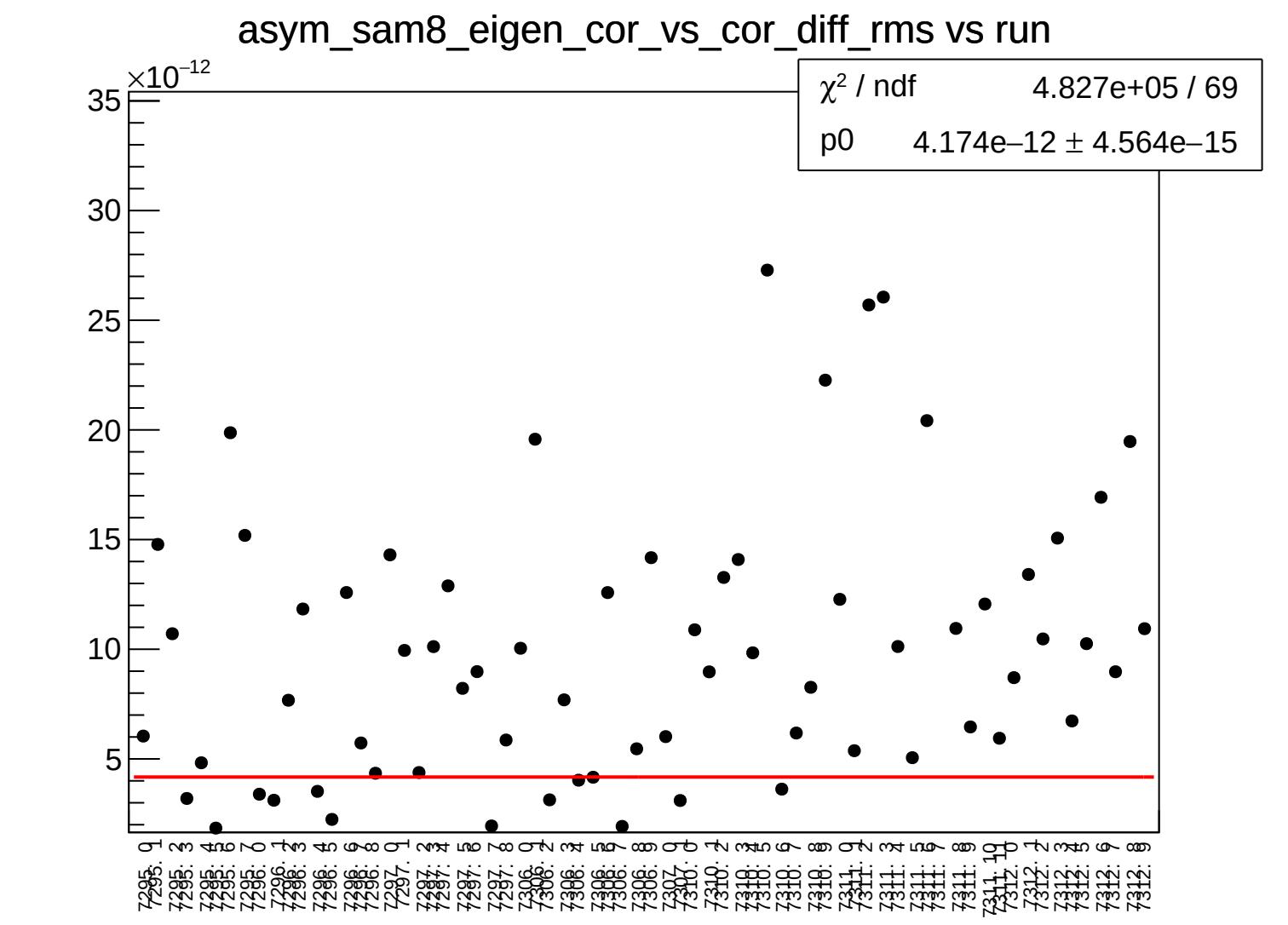

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.96 / 69
p0 −0.0683 ± 0.06142
pull
Entries 70
Mean 18.14
Std Dev 0

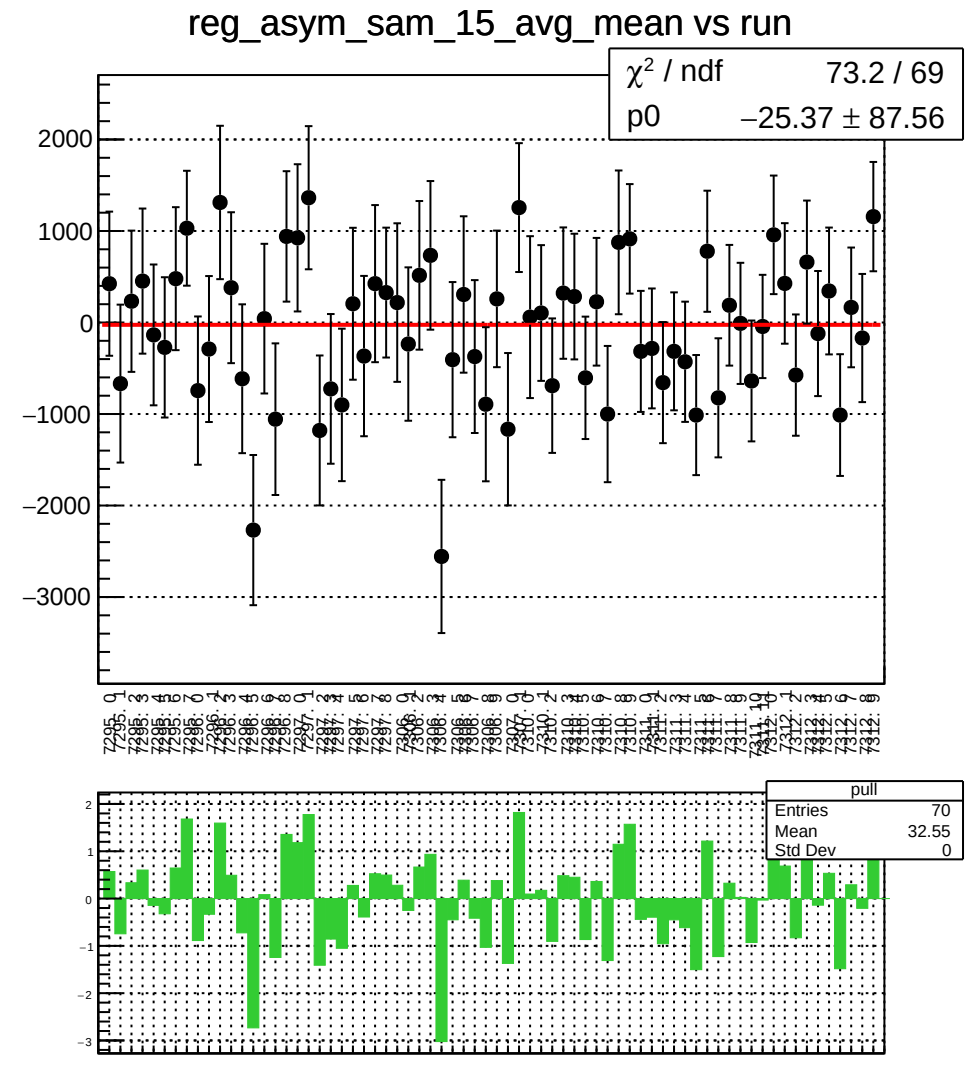

pull1D
Entries 70
Mean 0.08158
Std Dev 1.137

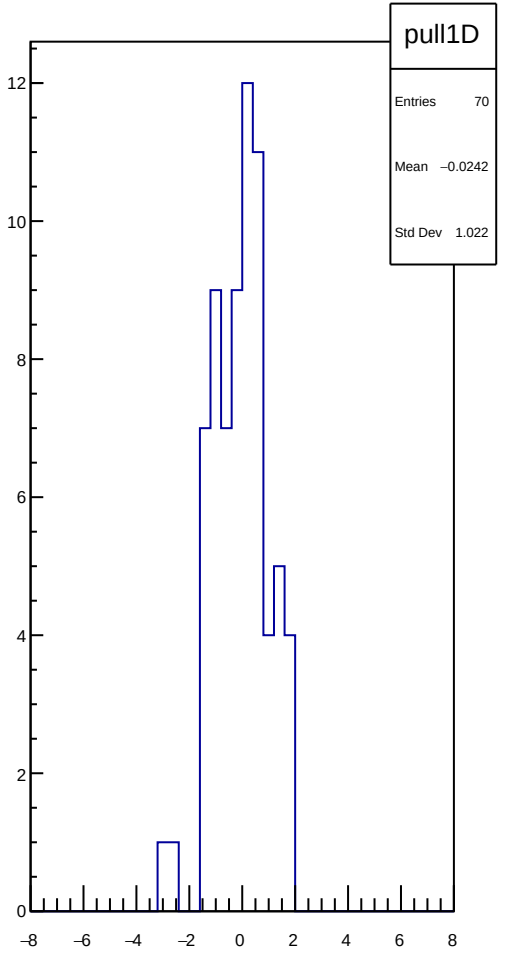

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.339e+05 / 69
p0 40.86 ± 0.04343
250
200
150
100
50

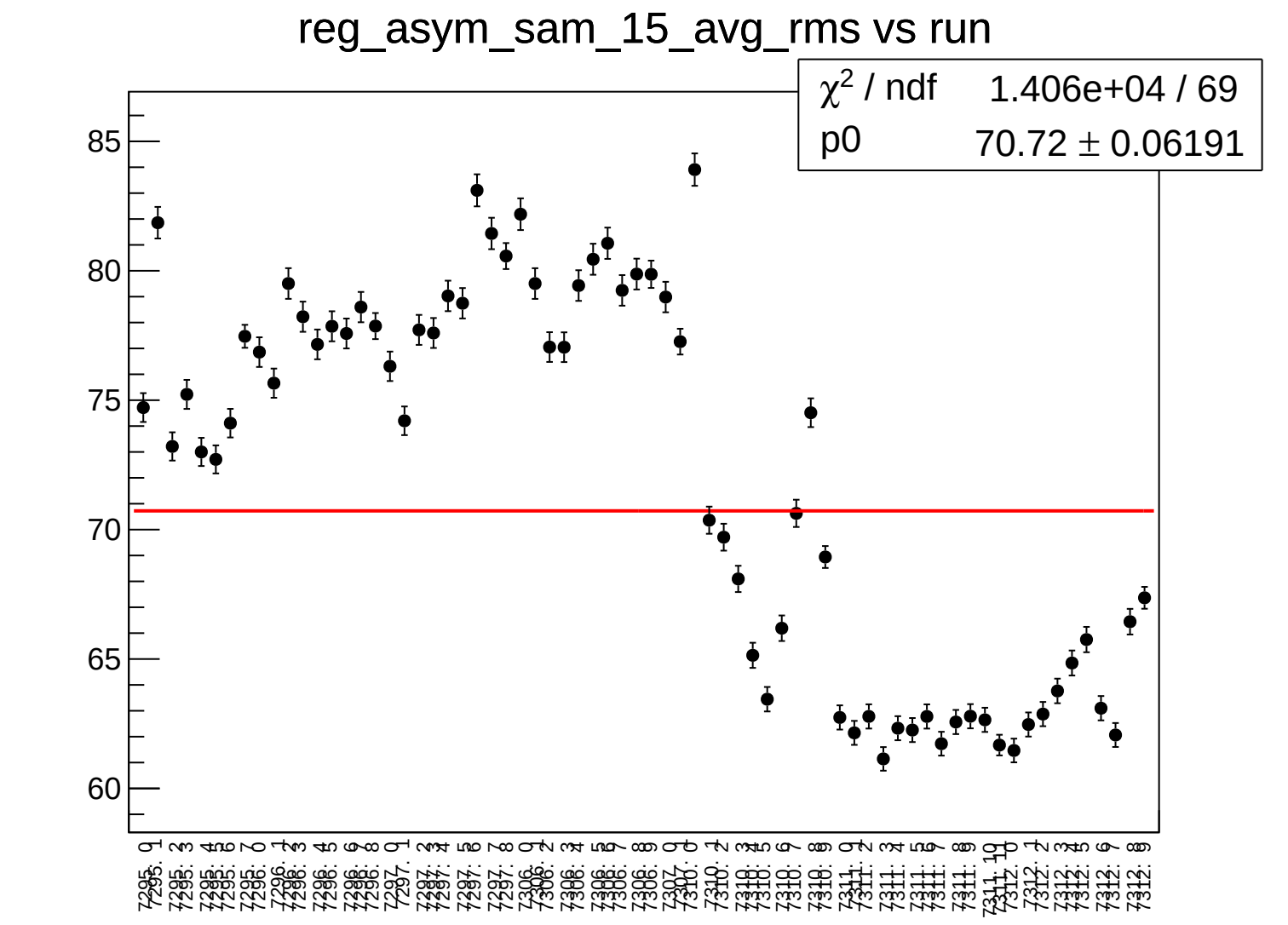

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.18 / 69
p0 9.685e−15 ± 6.455e−15
pull
Entries 70
Mean 47.23
Std Dev 35.28

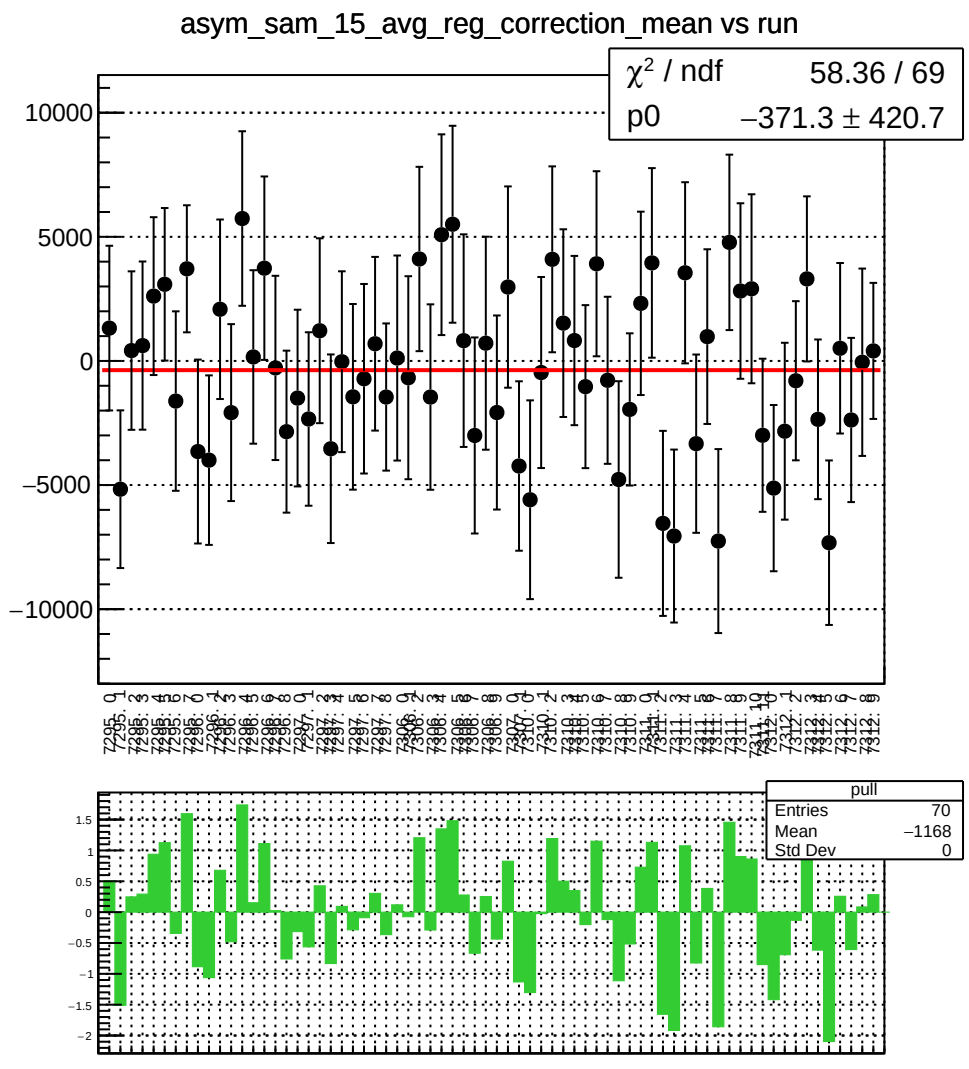

pull1D
Entries 70
Mean −0.09654
Std Dev 0.9601

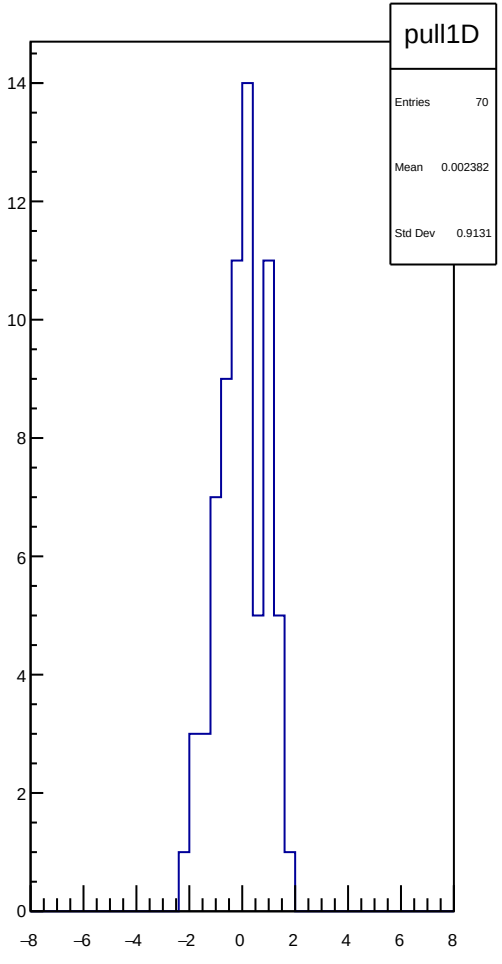

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.827e+05 / 69
p0 4.174e−12 ± 4.564e−15
35
30
25
20
15
10
5

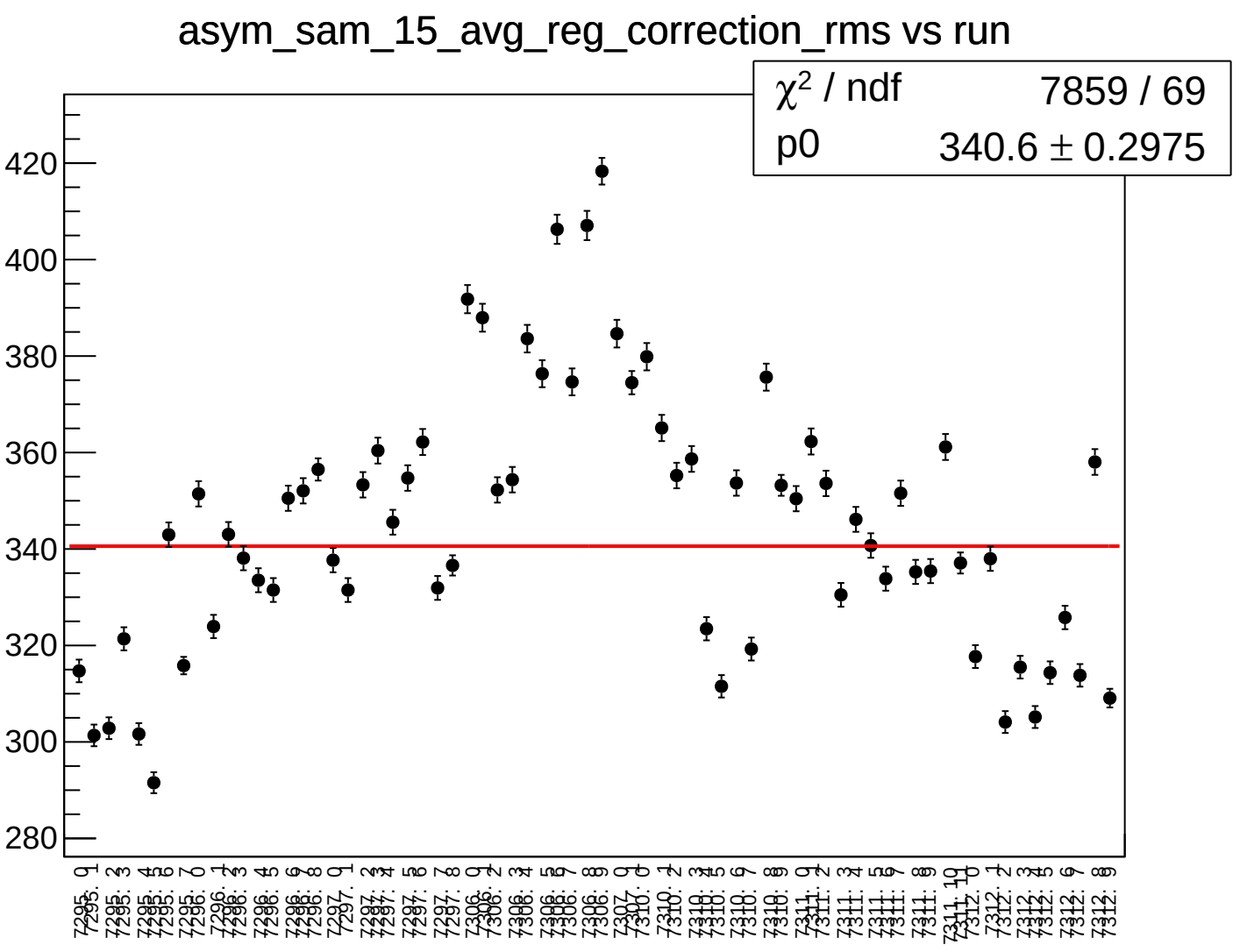

reg_asym_sam_15_avg_mean vs run
χ² / ndf 73.2 / 69
p0 −25.37 ± 87.56
pull
Entries 70
Mean 32.55
Std Dev 0

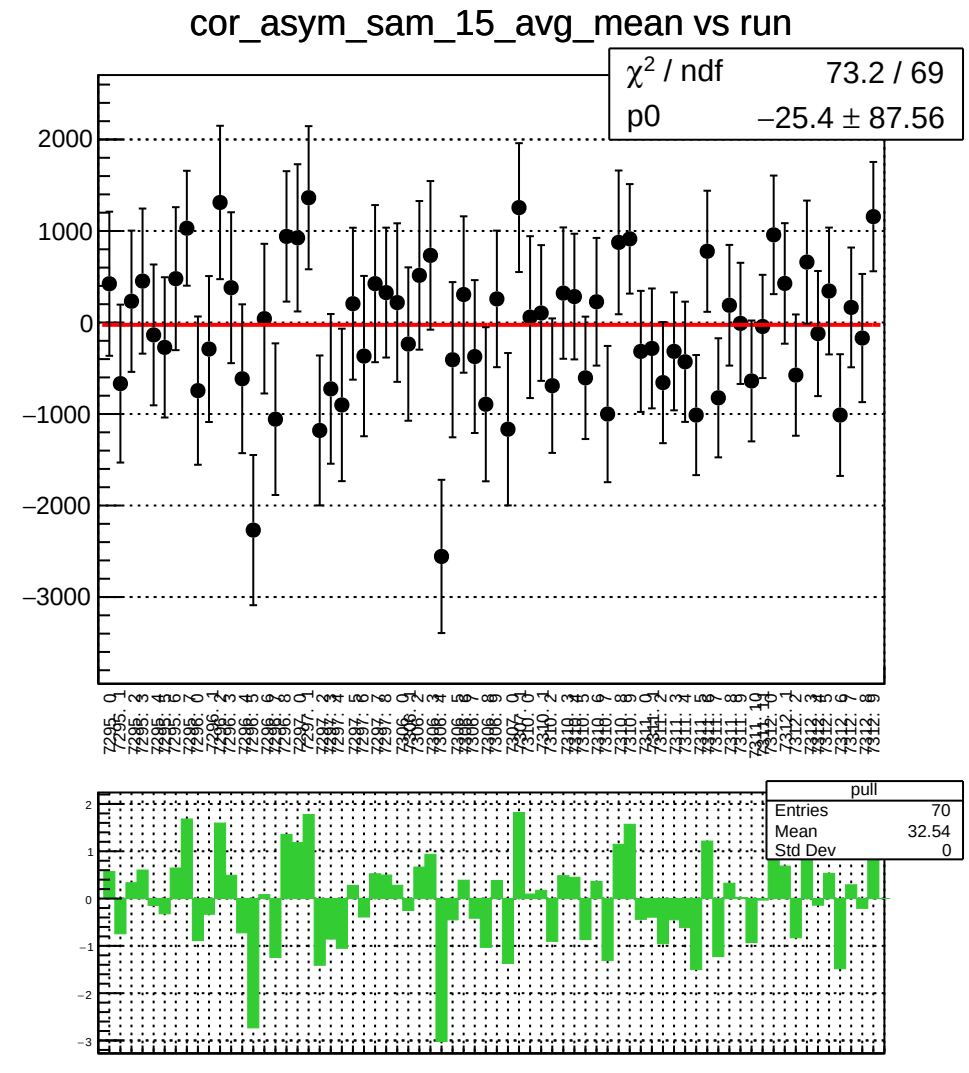

pull1D
Entries 70
Mean −0.0242
Std Dev 1.022

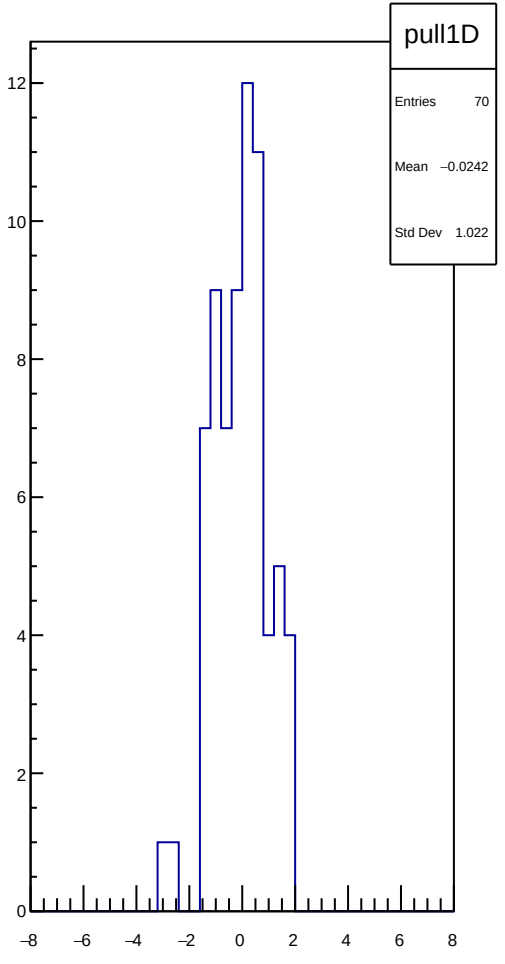

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.406e+04 / 69
p0 70.72 ± 0.06191
85
80
75
70
65
60

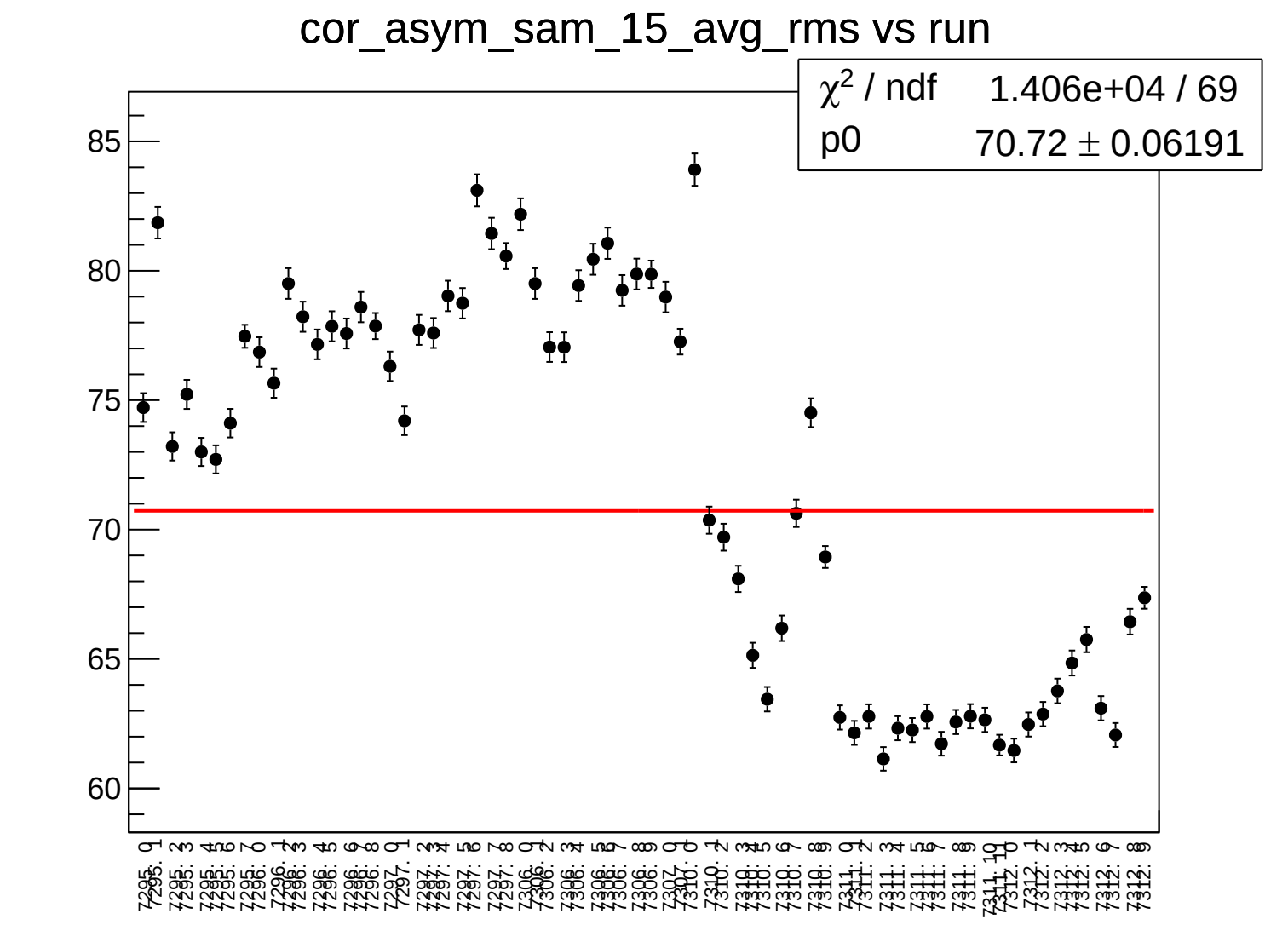

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 58.36 / 69
p0 −371.3 ± 420.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1168
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

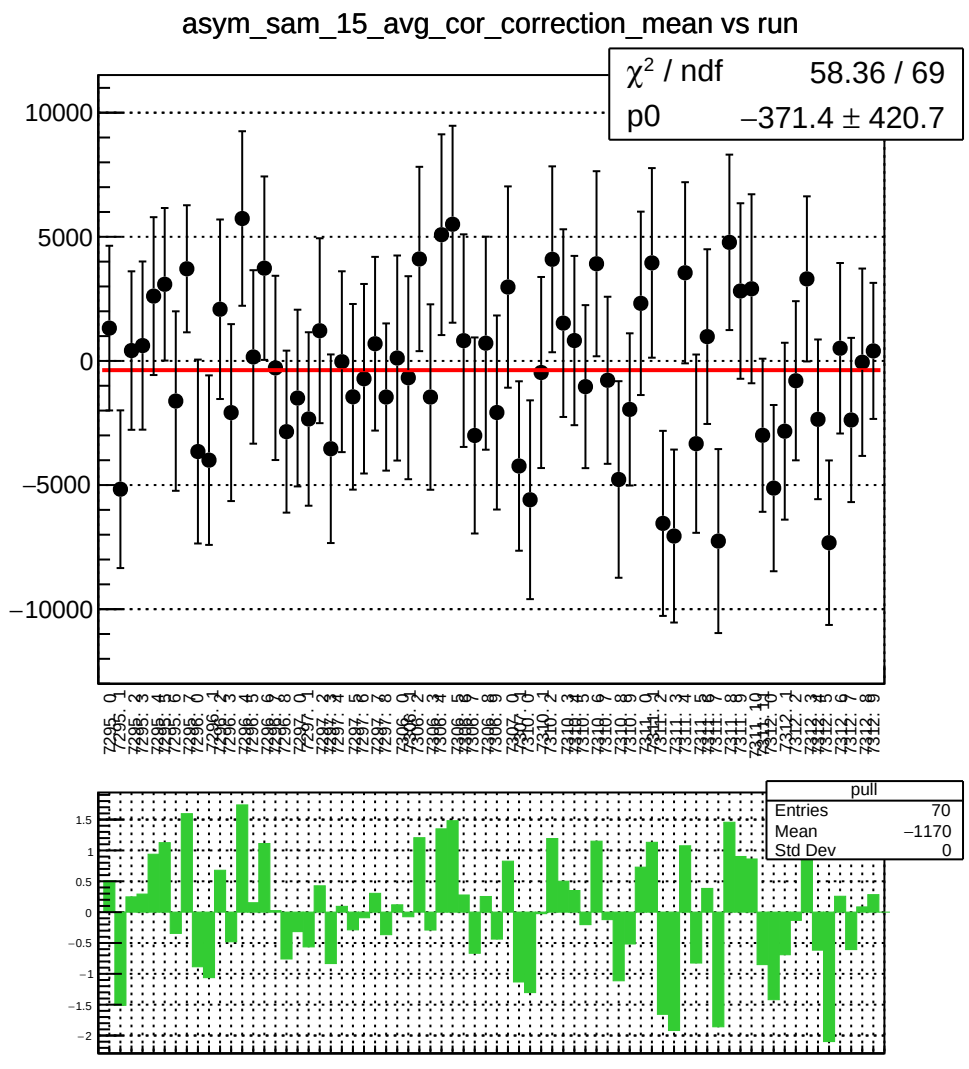

pull1D
Entries 70
Mean 0.002382
Std Dev 0.9131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

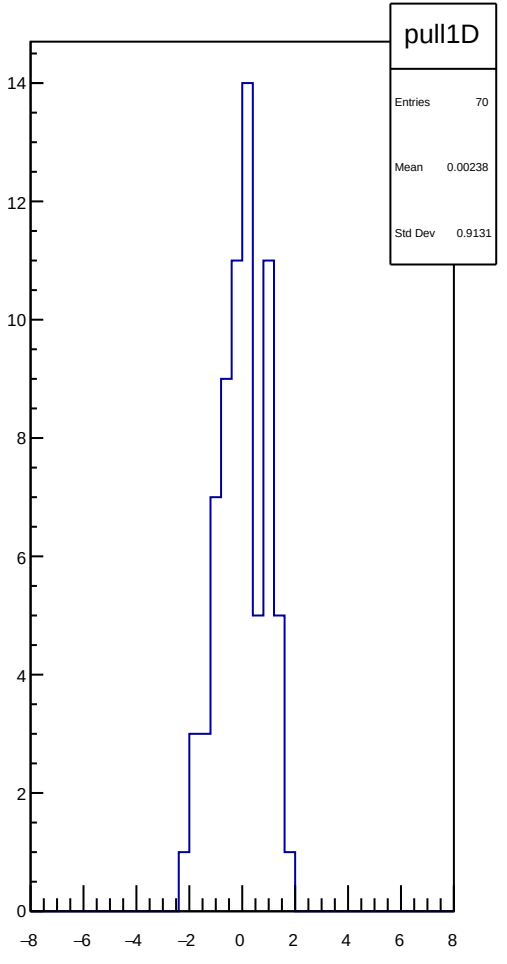

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 7859 / 69
p0 340.6 ± 0.2975
420
400
380
360
340
320
300
280

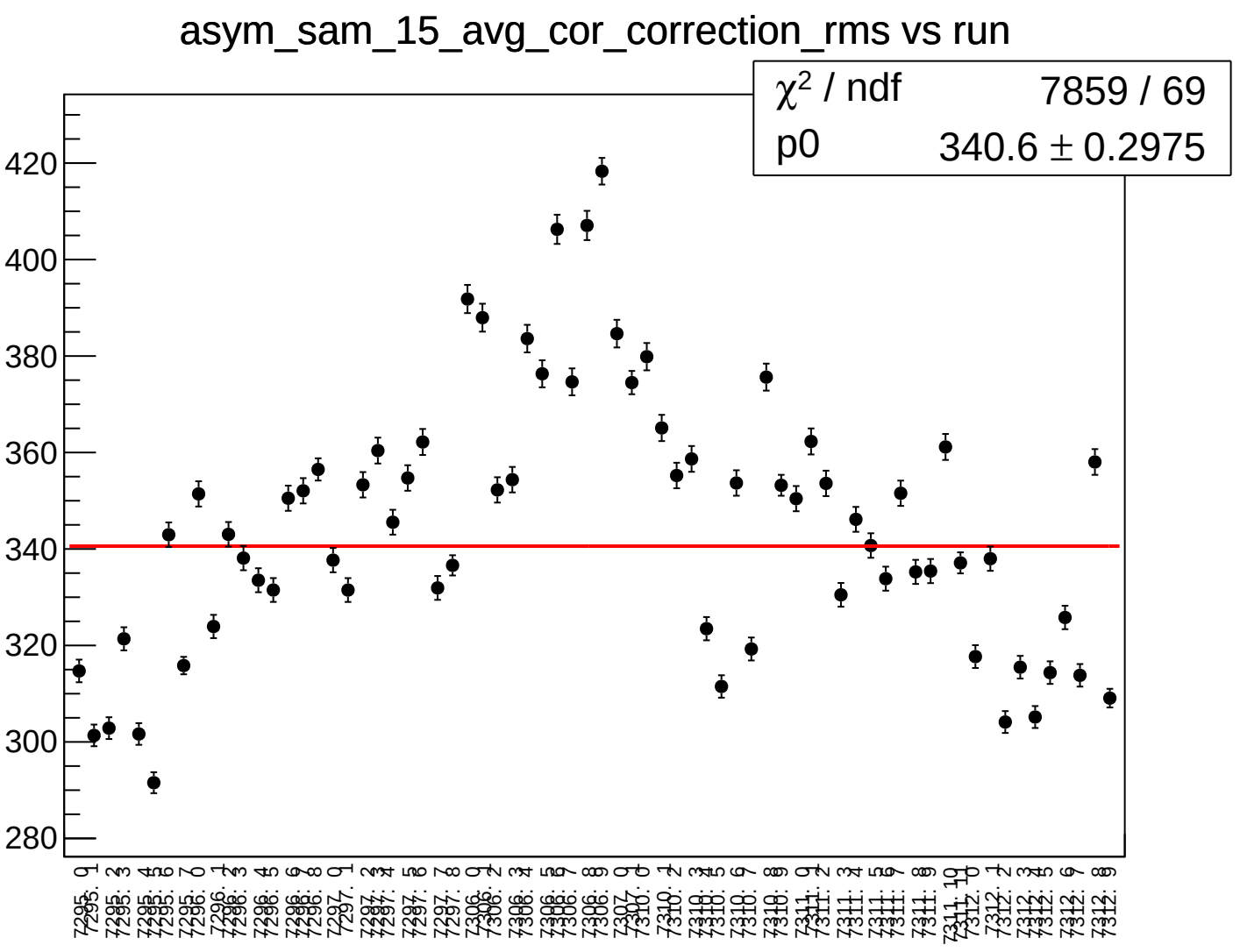

cor_asym_sam_15_avg_mean vs run
χ² / ndf 73.2 / 69
p0 −25.4 ± 87.56
pull
Entries 70
Mean 32.54
Std Dev 0

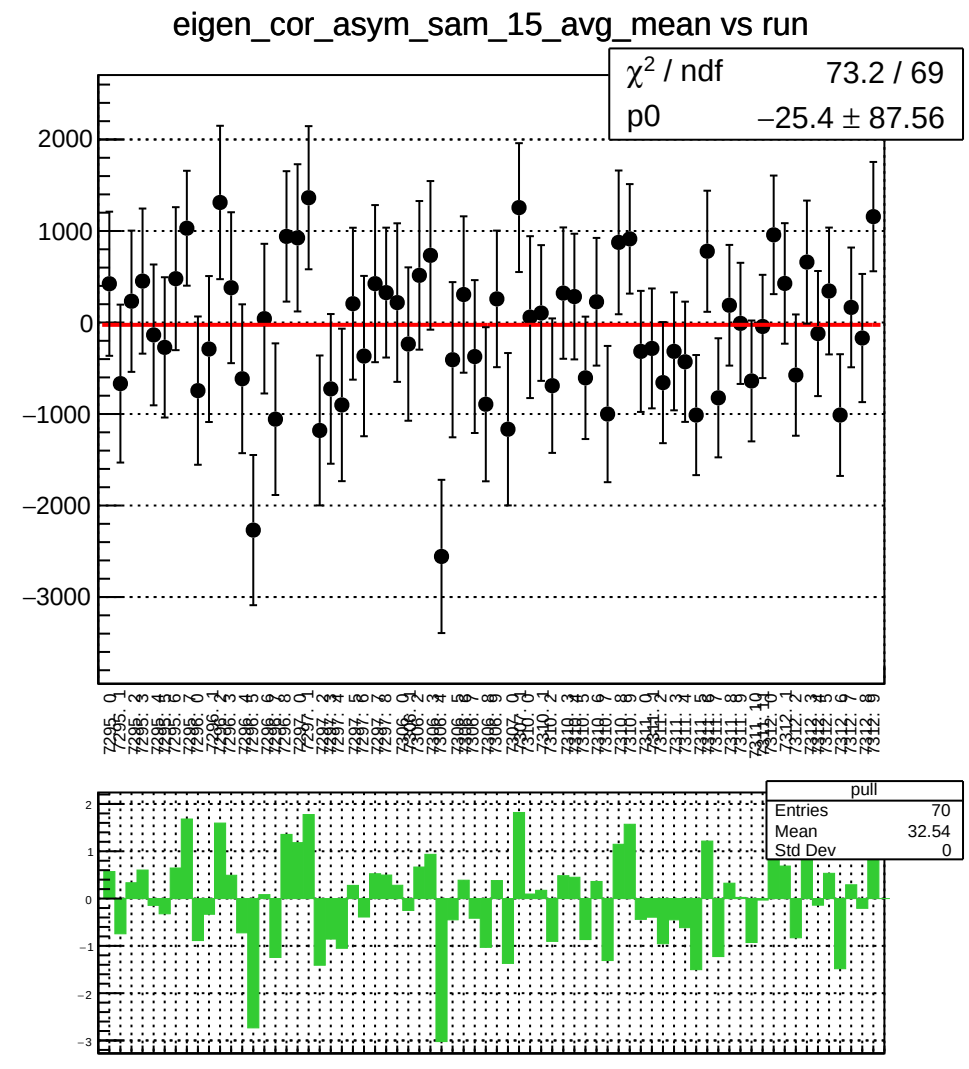

pull1D
Entries 70
Mean −0.0242
Std Dev 1.022

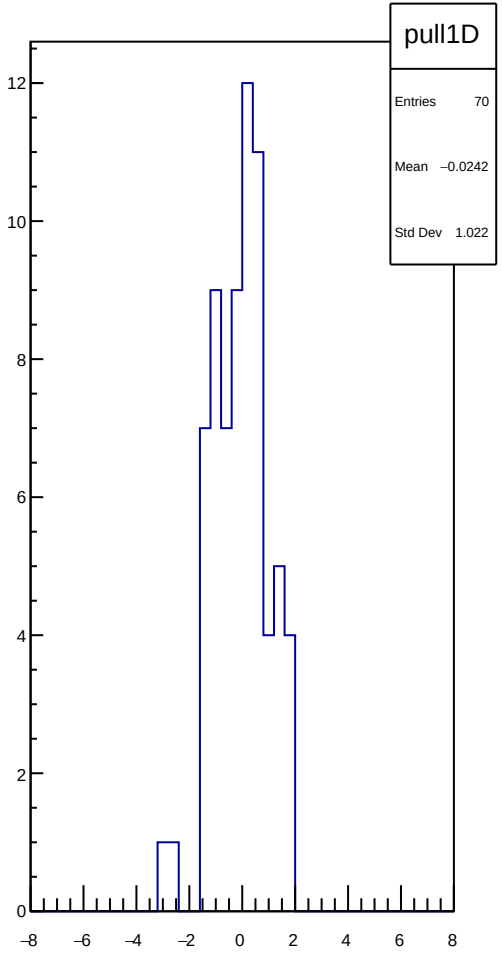

cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.406e+04 / 69
p0 70.72 ± 0.06191
85
80
75
70
65
60

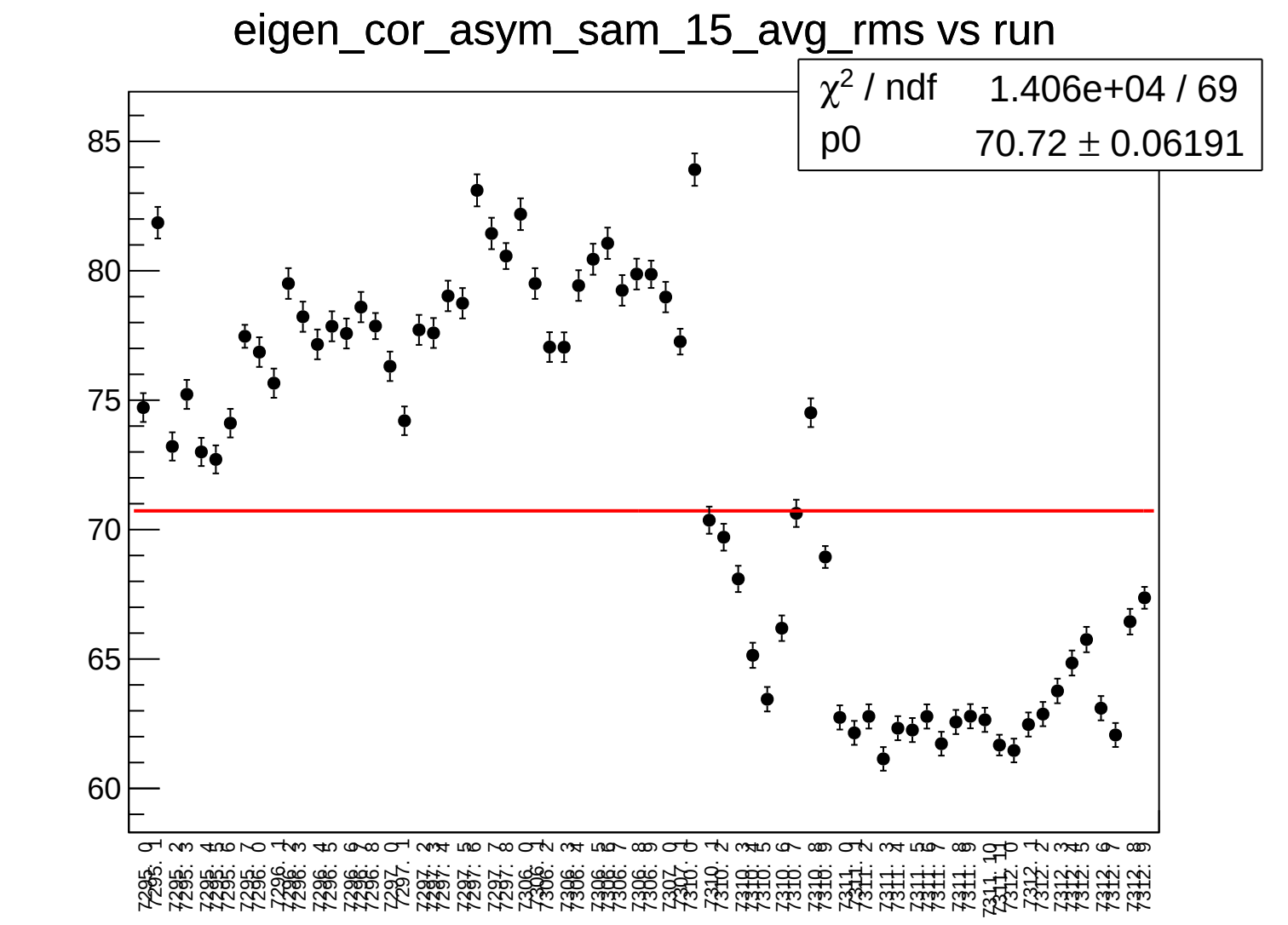

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 58.36 / 69
p0 −371.4 ± 420.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1170
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

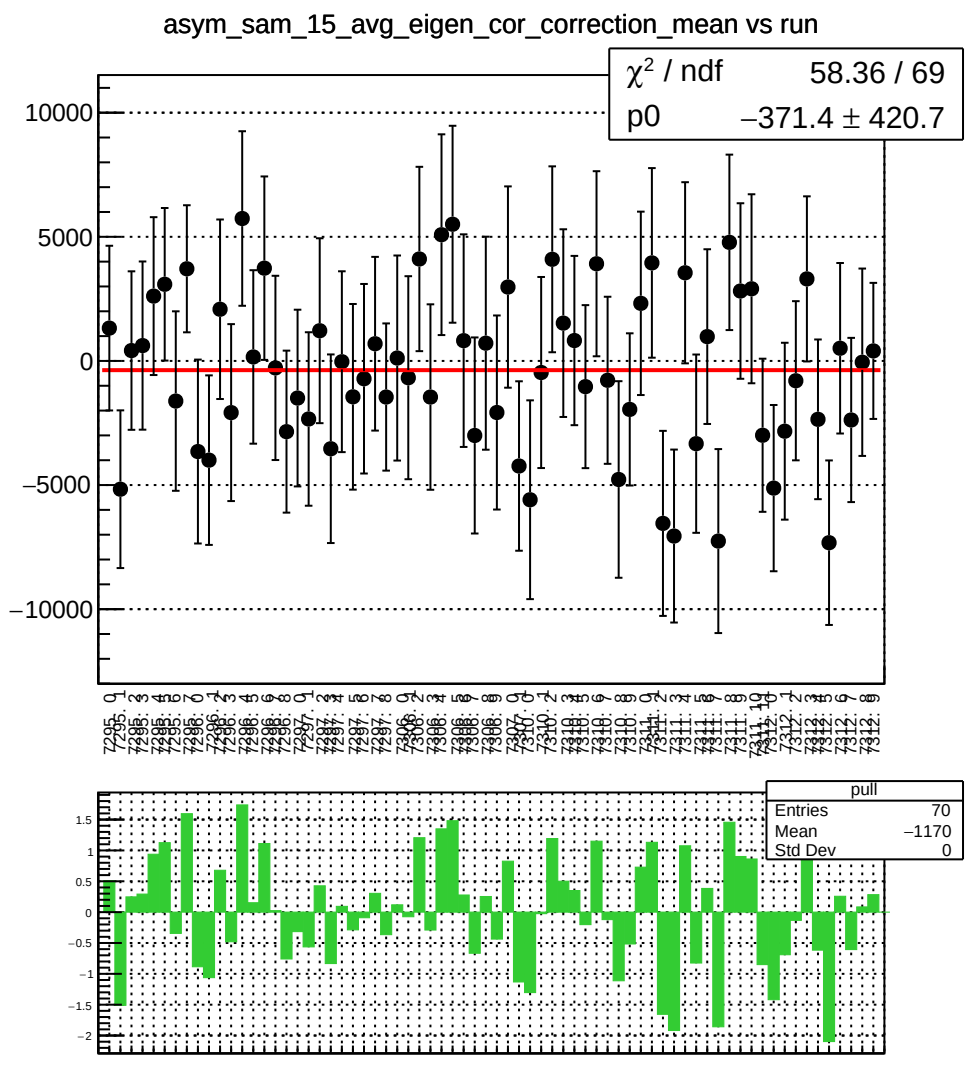

pull1D
Entries 70
Mean 0.00238
Std Dev 0.9131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

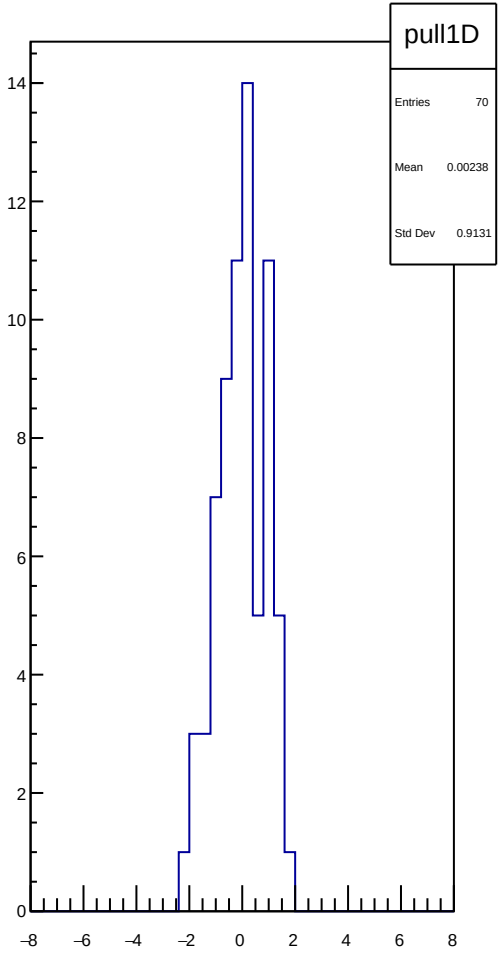

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 7859 / 69
p0 340.6 ± 0.2975
420
400
380
360
340
320
300
280

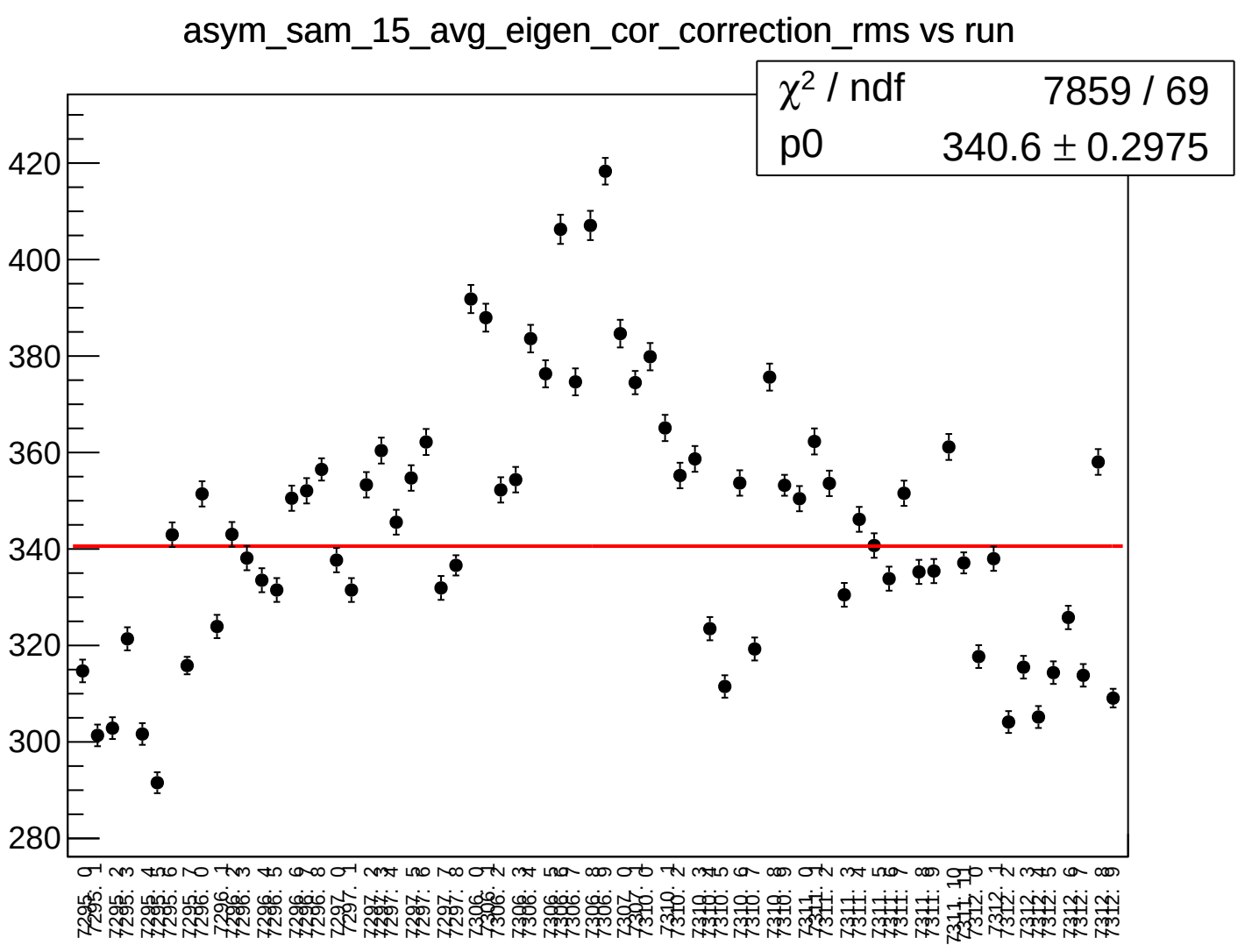

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 73.2 / 69
p0 −25.4 ± 87.56
pull
Entries 70
Mean 32.54
Std Dev 0

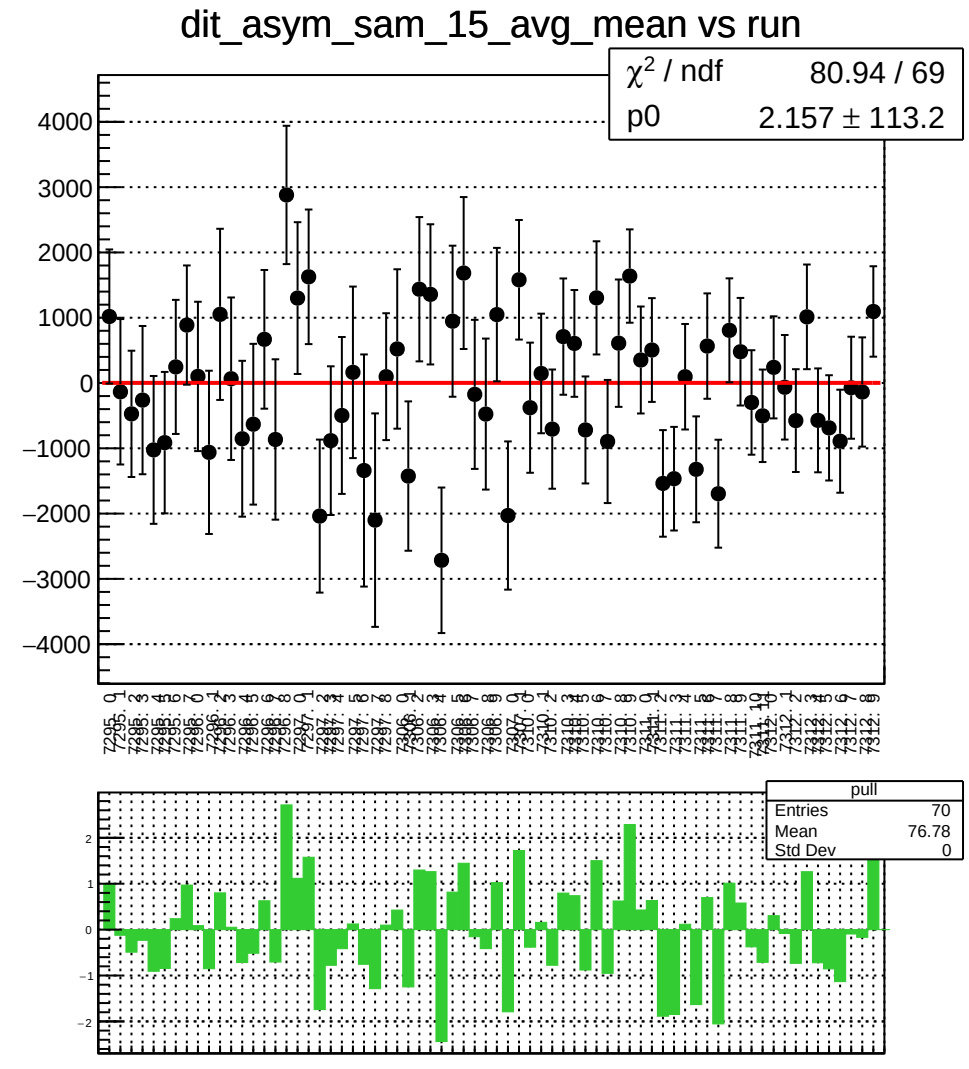

pull1D
Entries 70
Mean −0.0242
Std Dev 1.022

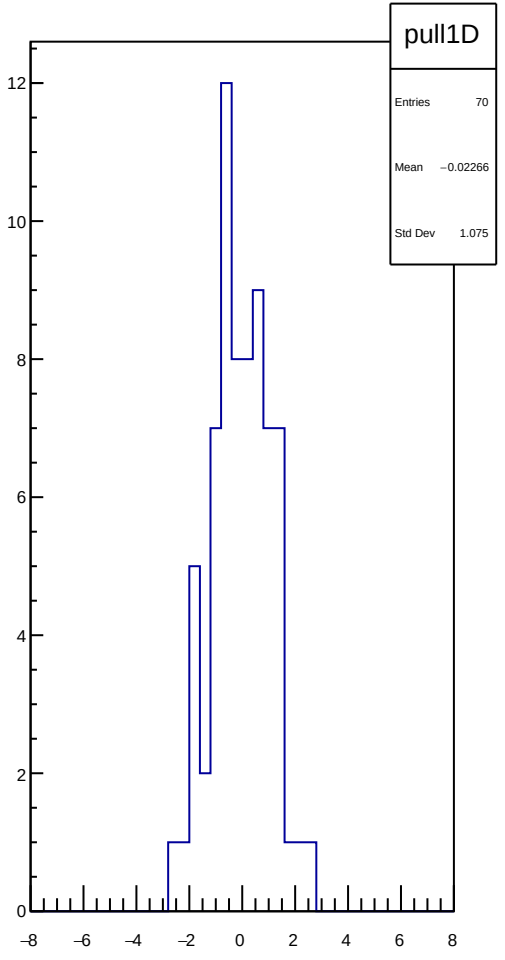

eigen_cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.406e+04 / 69
p0 70.72 ± 0.06191
85
80
75
70
65
60

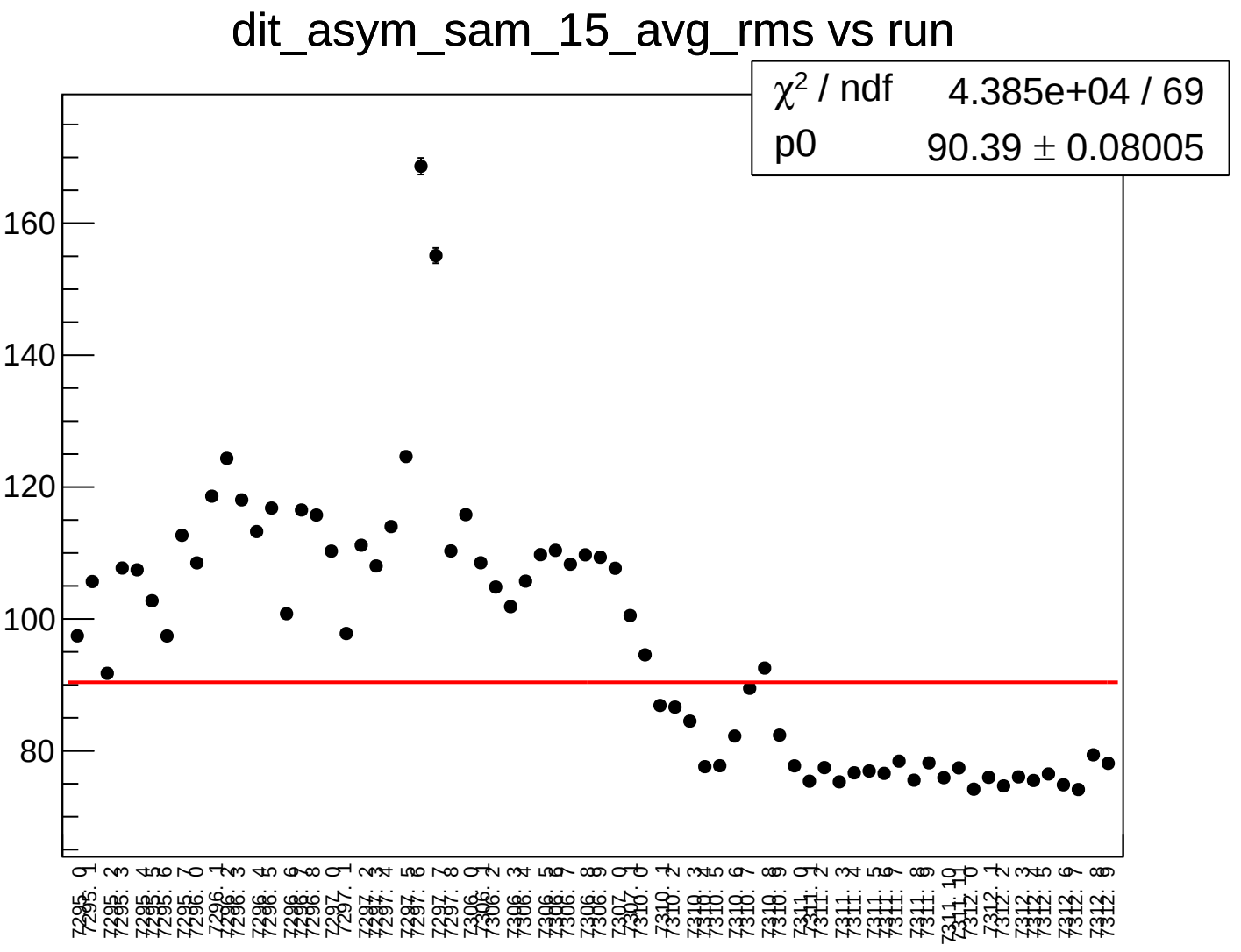

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.36 / 69
p0 −371.4 ± 420.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1170
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

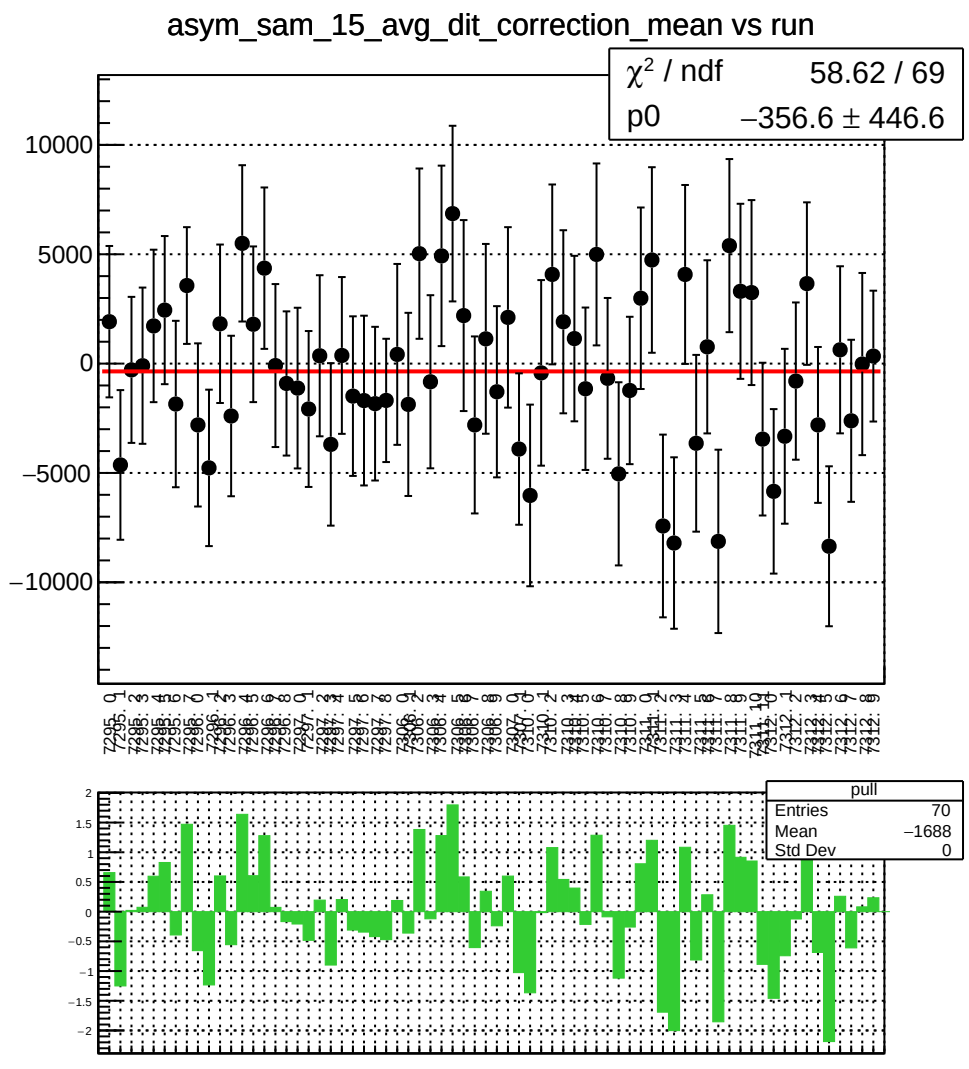

pull1D
Entries 70
Mean 0.00238
Std Dev 0.9131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

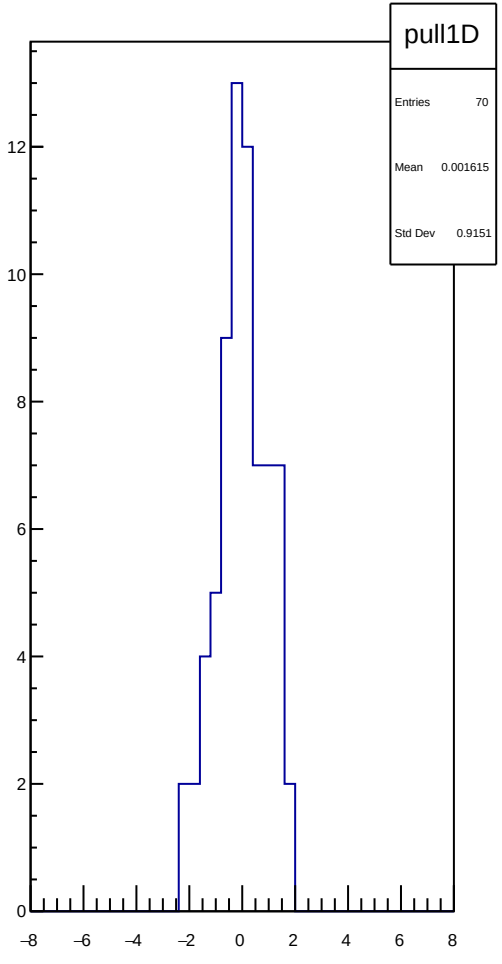

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 7859 / 69
p0 340.6 ± 0.2975
420
400
380
360
340
320
300
280

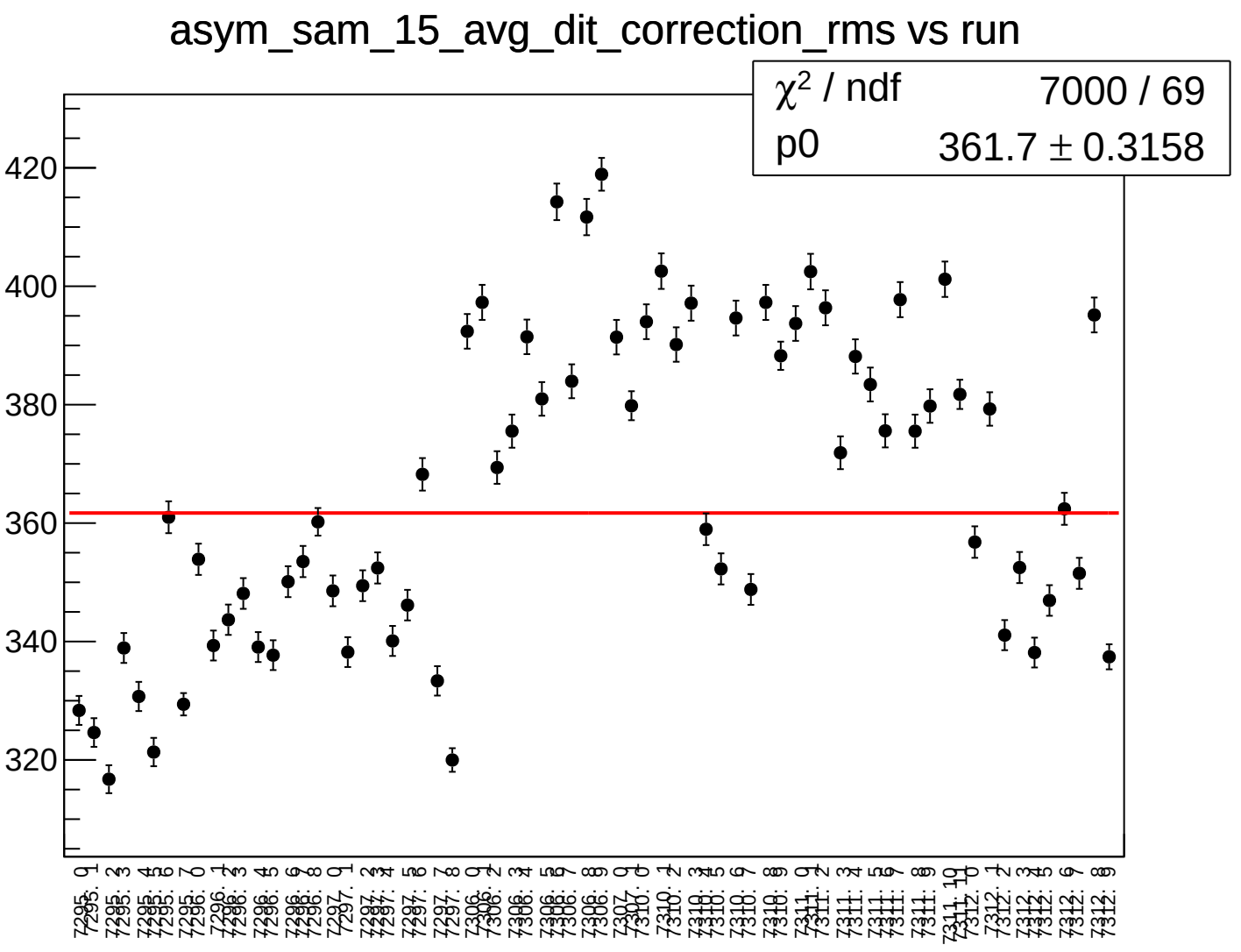

dit_asym_sam_15_avg_mean vs run
χ² / ndf 80.94 / 69
p0 2.157 ± 113.2
pull
Entries 70
Mean 76.78
Std Dev 0

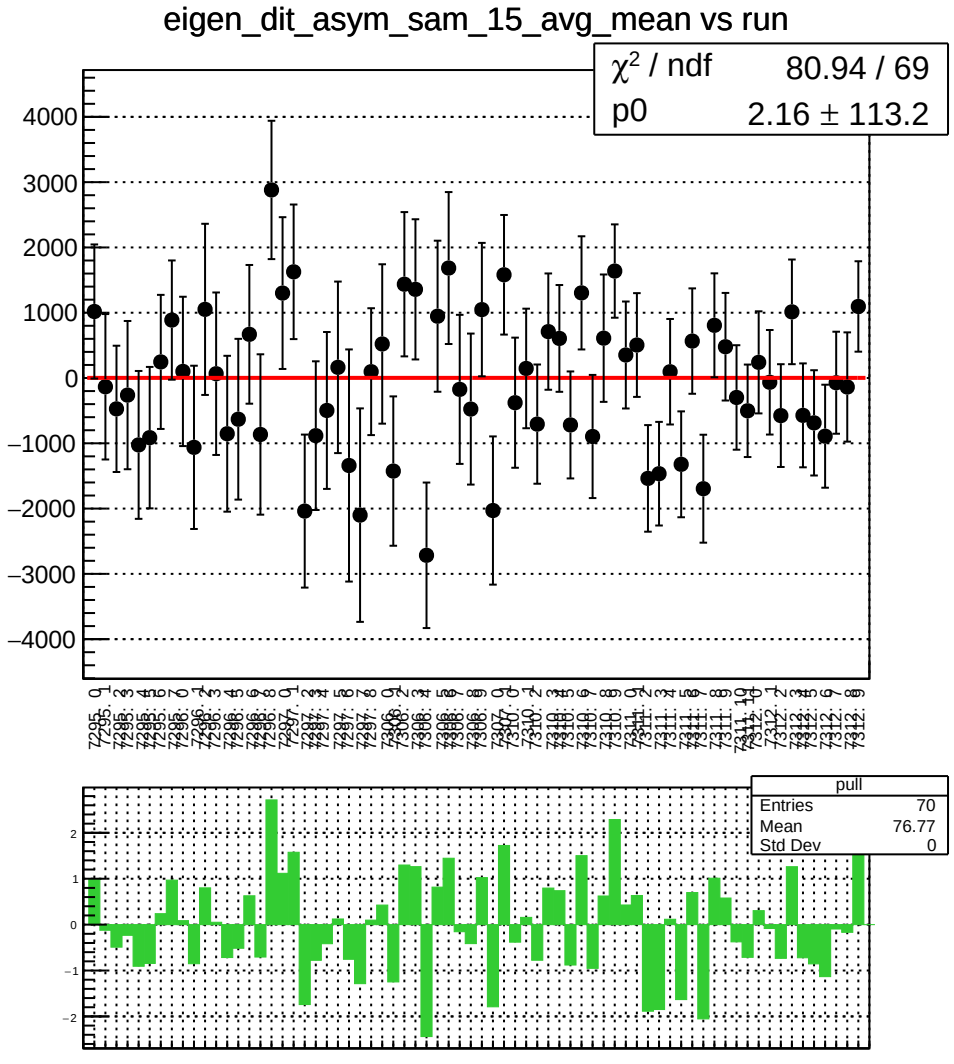

pull1D
Entries 70
Mean −0.02266
Std Dev 1.075

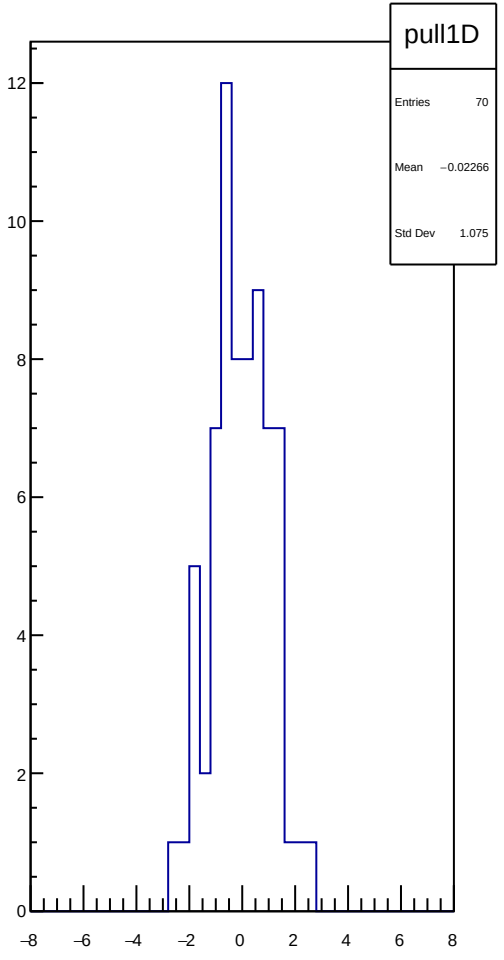

dit_asym_sam_15_avg_rms vs run
χ² / ndf 4.385e+04 / 69
p0 90.39 ± 0.08005
160
140
120
100
80

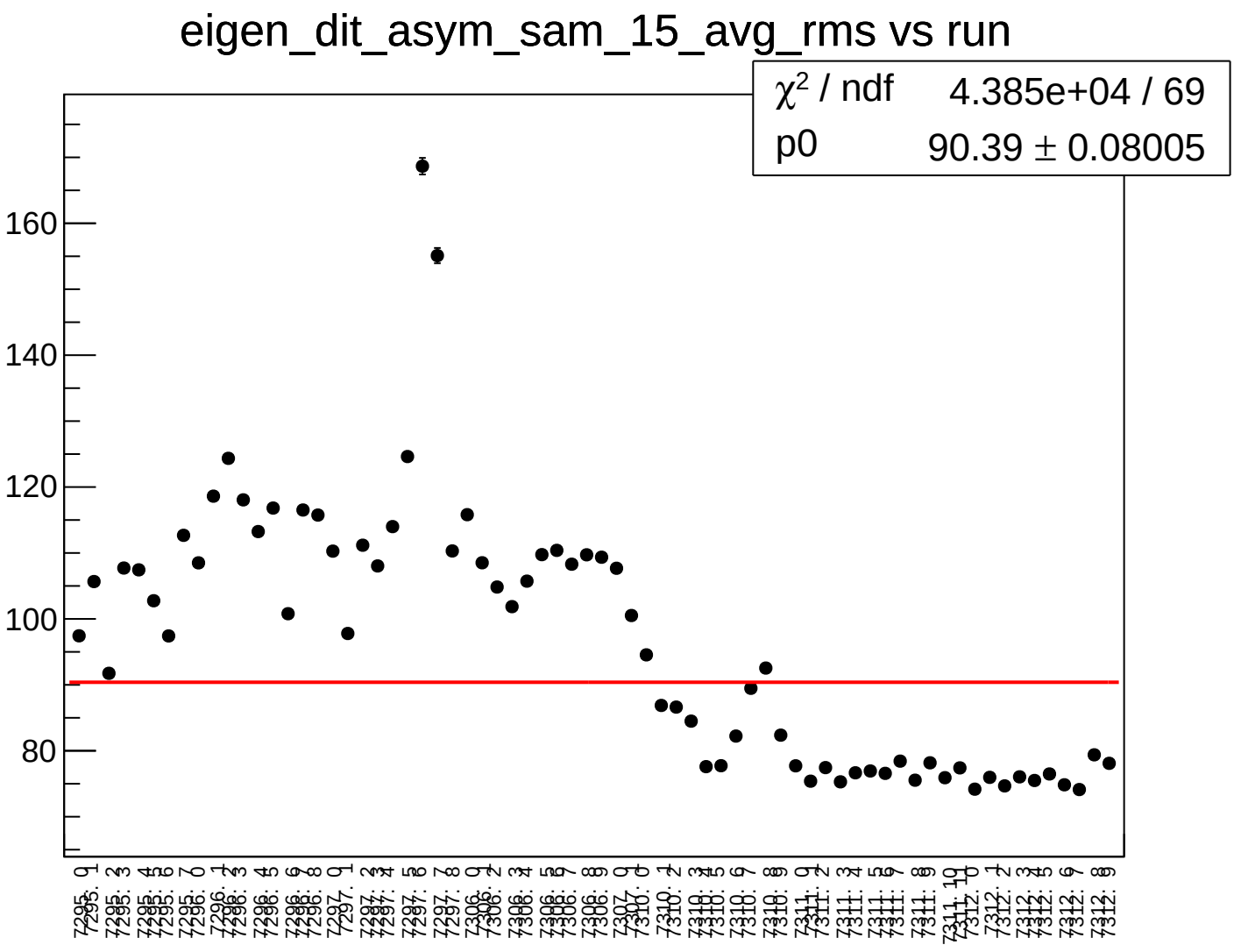

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 58.62 / 69
p0 −356.6 ± 446.6
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1688
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

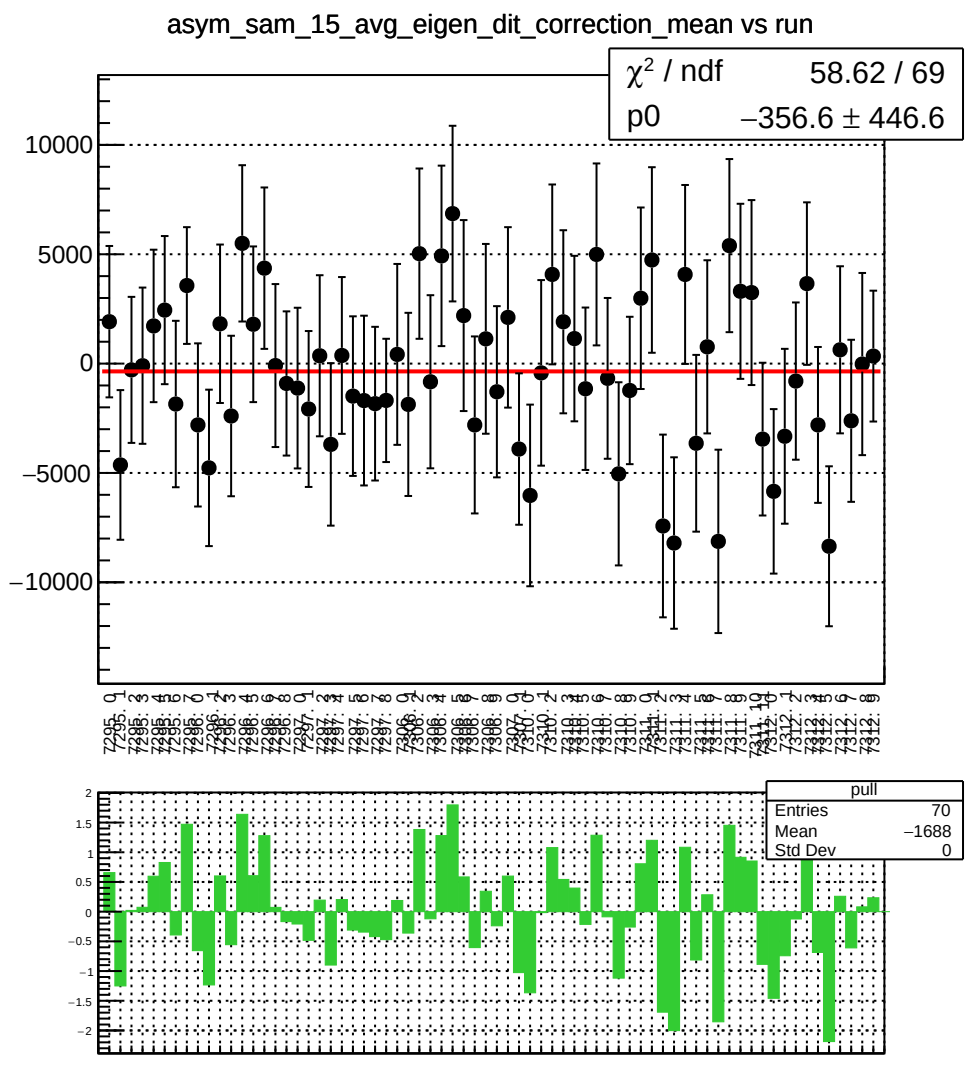

pull1D
Entries 70
Mean 0.001615
Std Dev 0.9151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

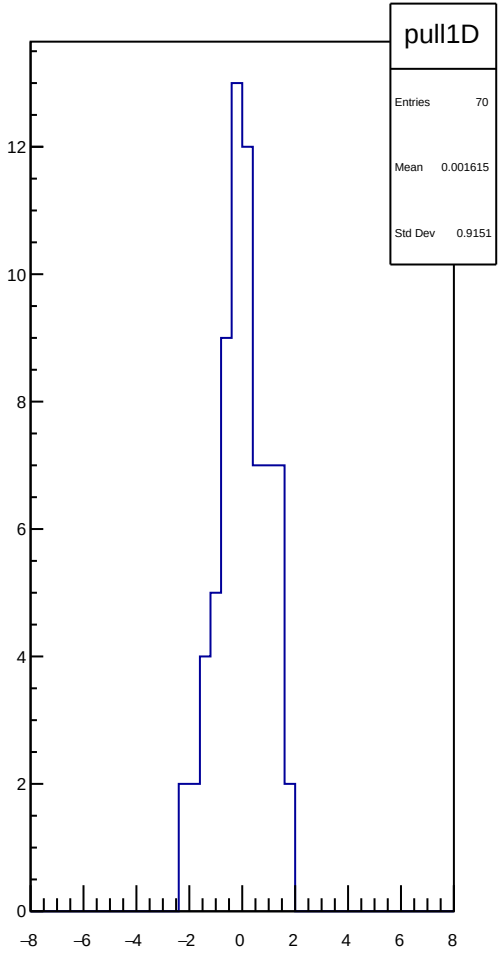

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 7000 / 69
p0 361.7 ± 0.3158
420
400
380
360
340
320

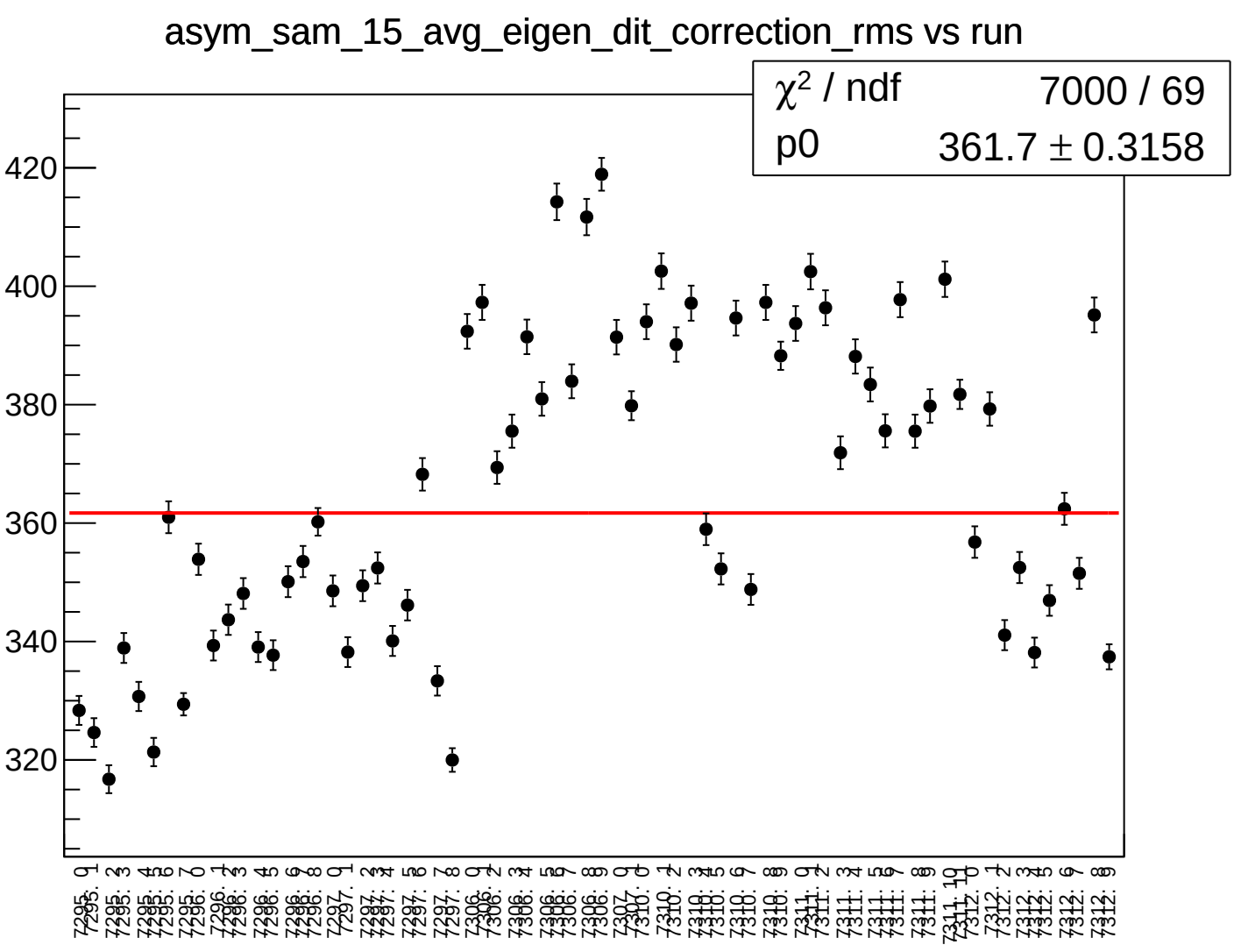

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 80.94 / 69
p0 2.16 ± 113.2
pull
Entries 70
Mean 76.77
Std Dev 0

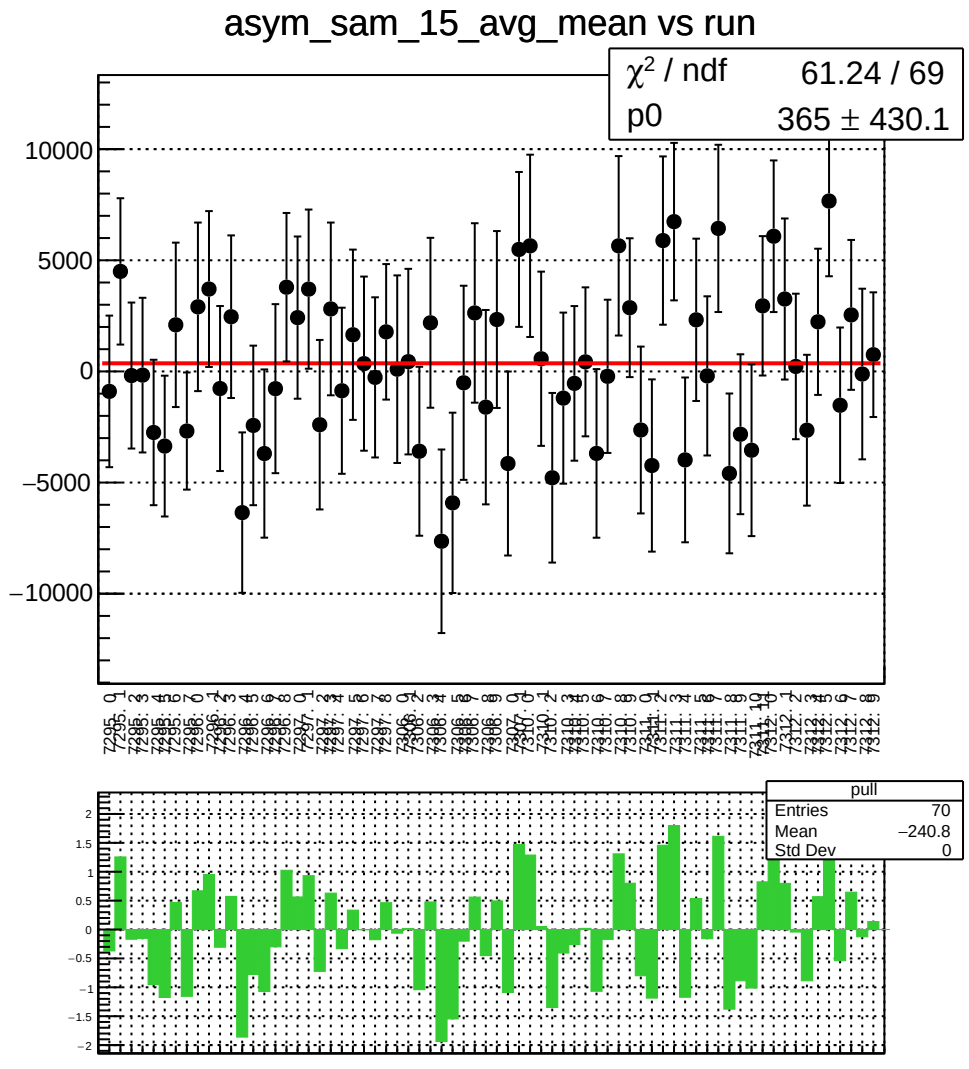

pull1D
Entries 70
Mean −0.02266
Std Dev 1.075

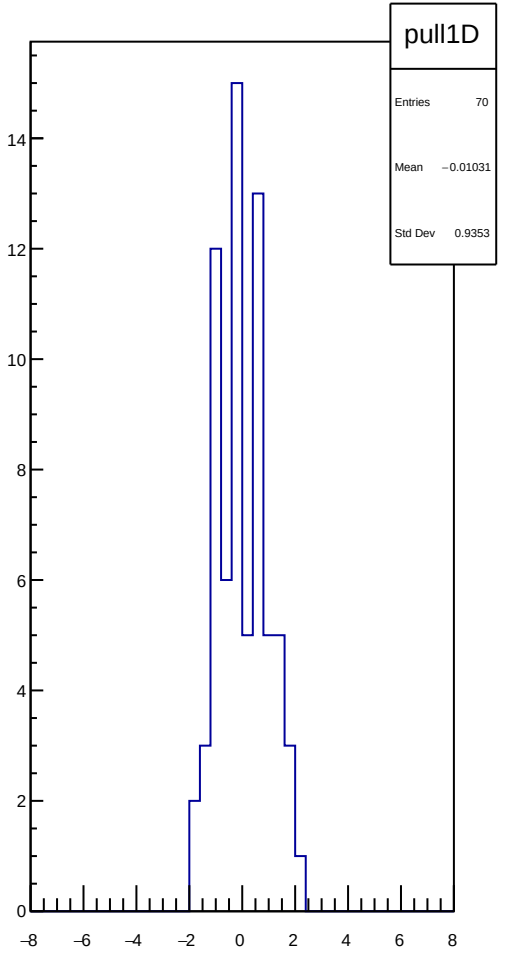

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 4.385e+04 / 69
p0 90.39 ± 0.08005
160
140
120
100
80

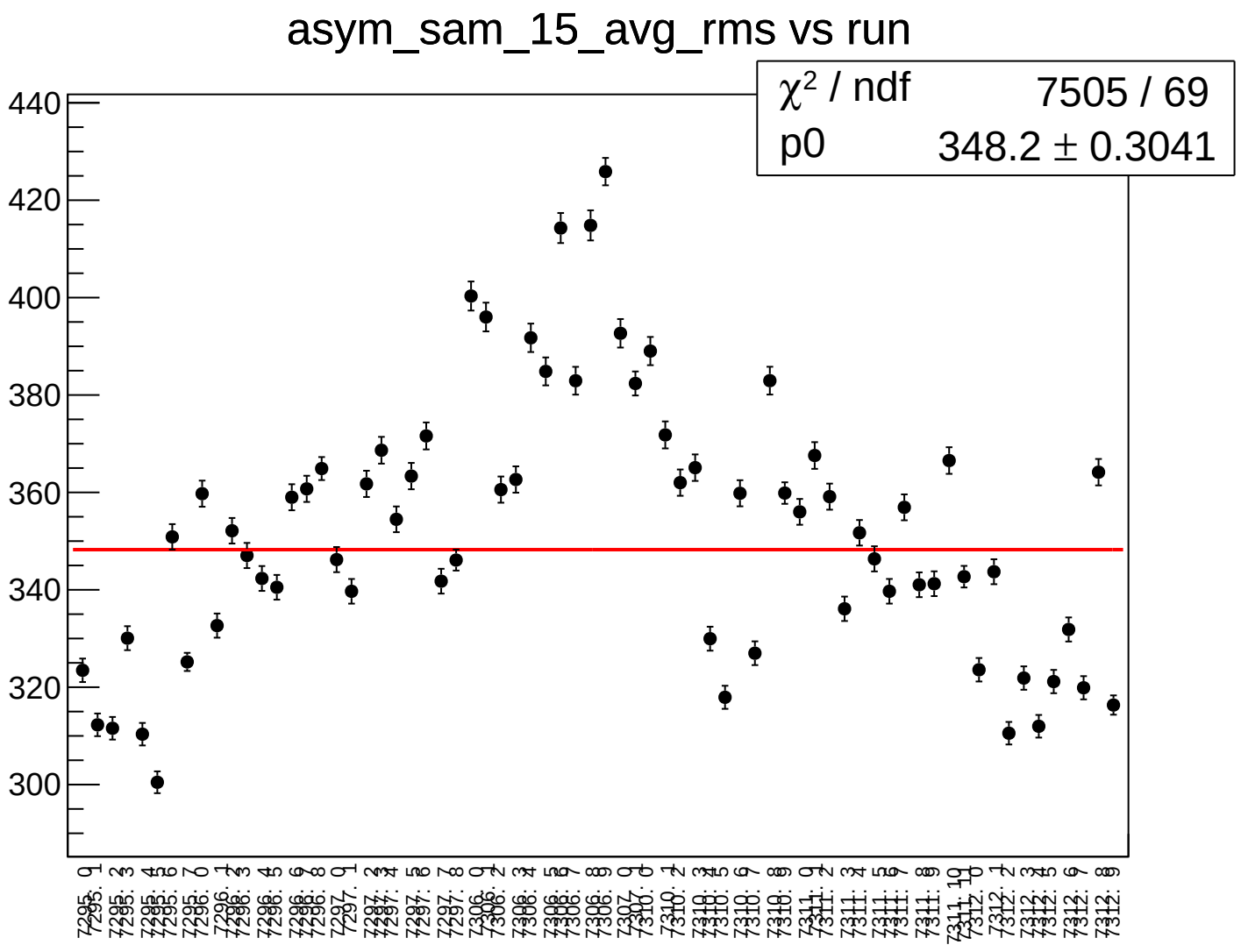

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.62 / 69
p0 −356.6 ± 446.6
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1688
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

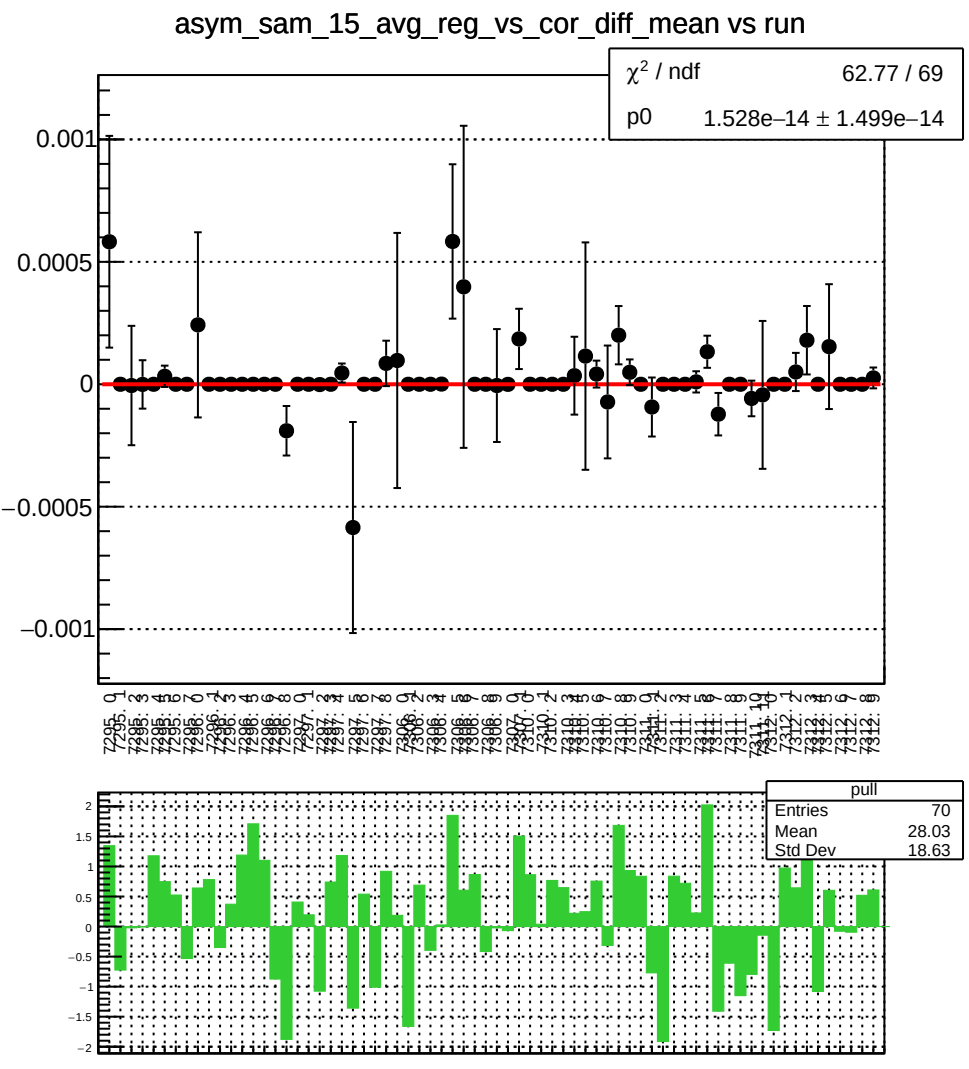

pull1D
Entries 70
Mean 0.001615
Std Dev 0.9151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

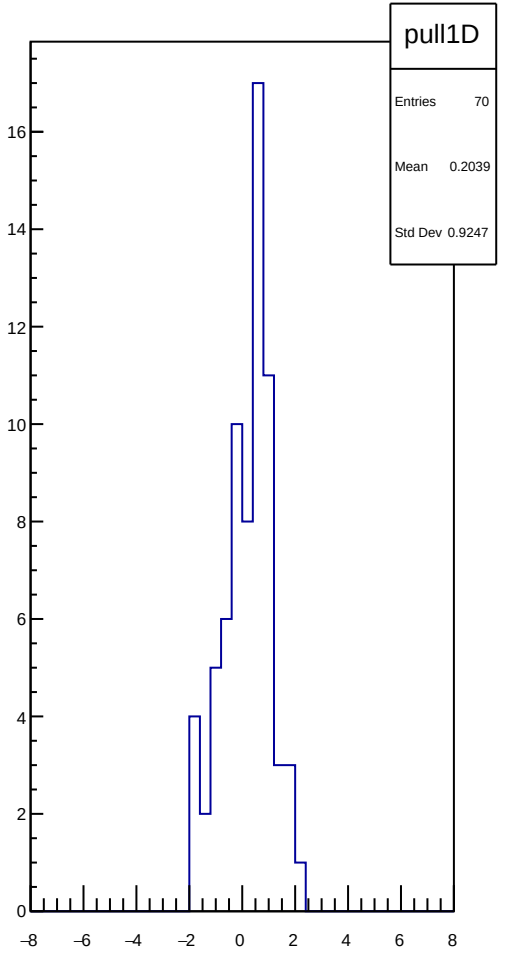

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 7000 / 69
p0 361.7 ± 0.3158
420
400
380
360
340
320

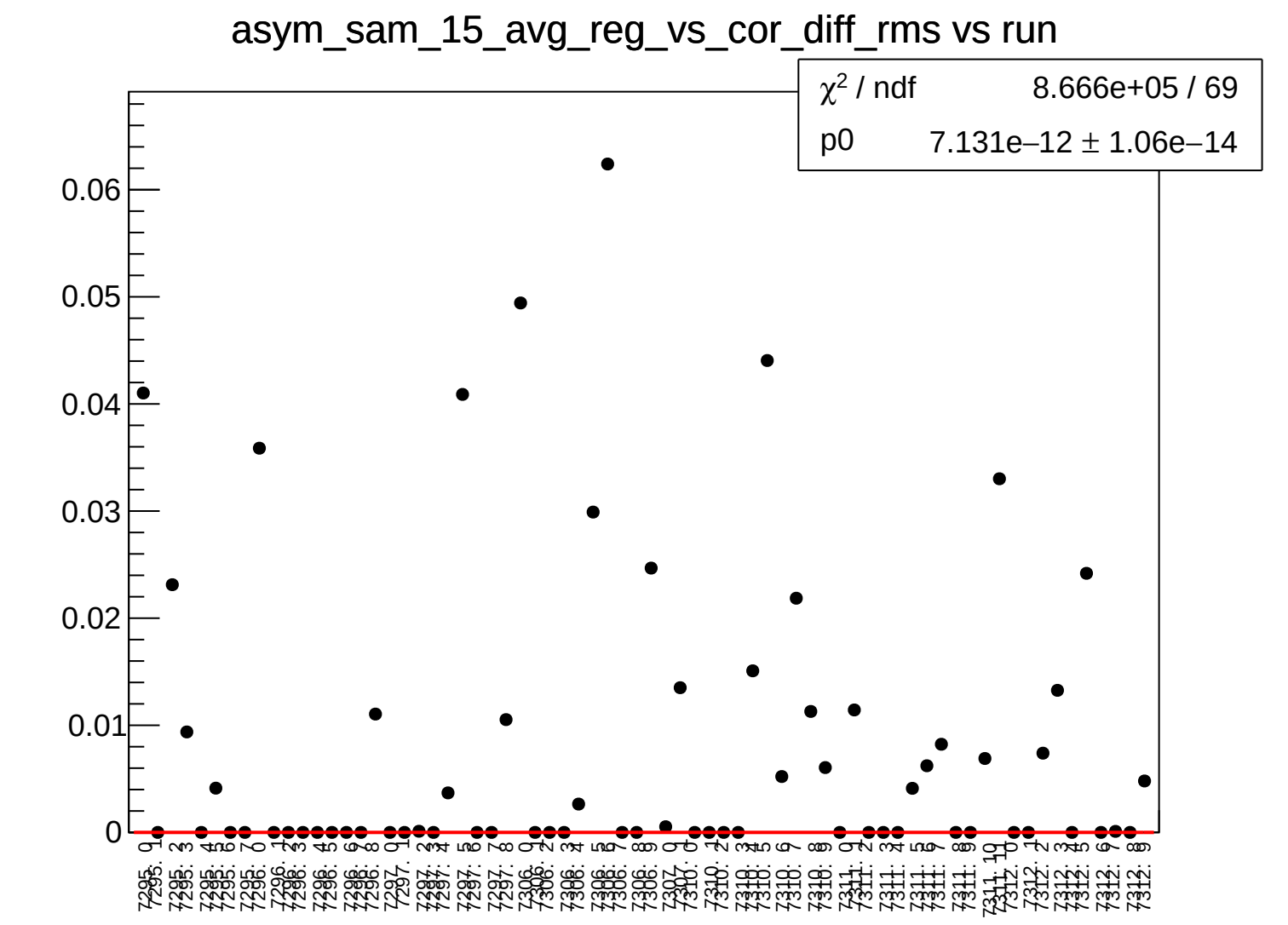

asym_sam_15_avg_mean vs run
χ² / ndf 61.24 / 69
p0 365 ± 430.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −240.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

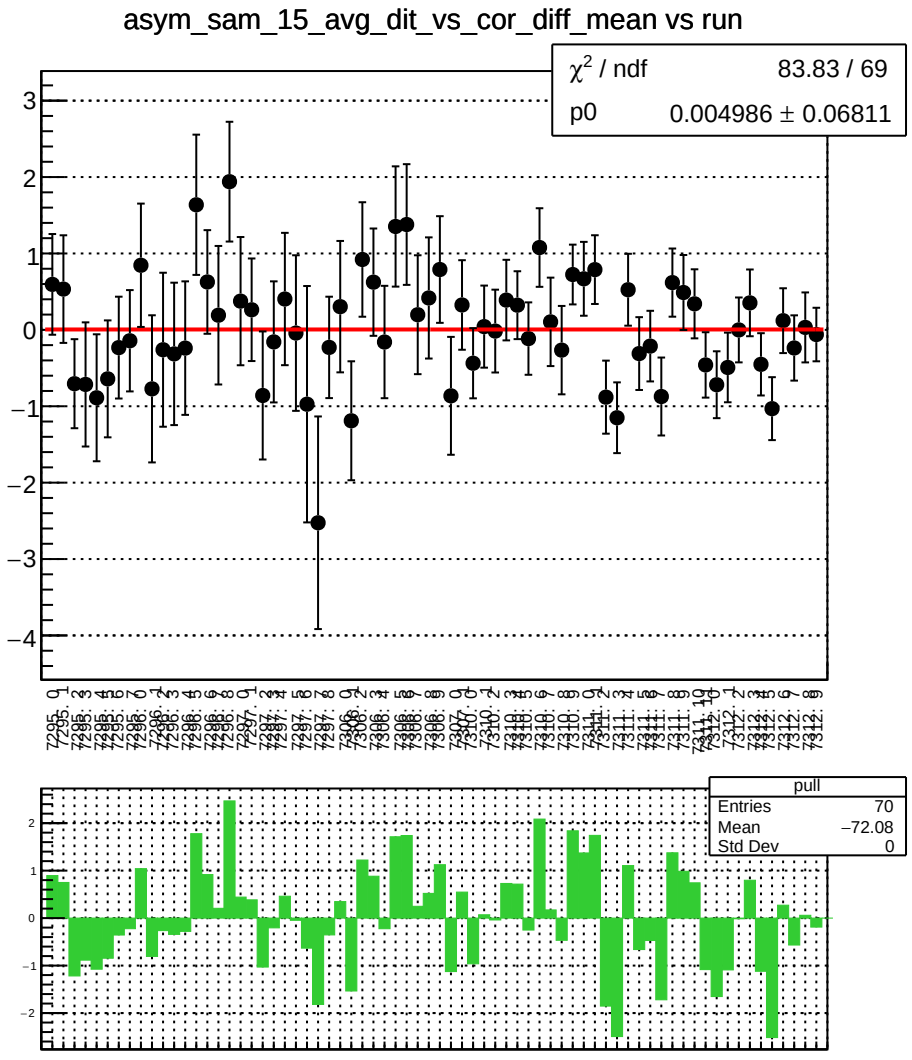

pull1D
Entries 70
Mean −0.01031
Std Dev 0.9353
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

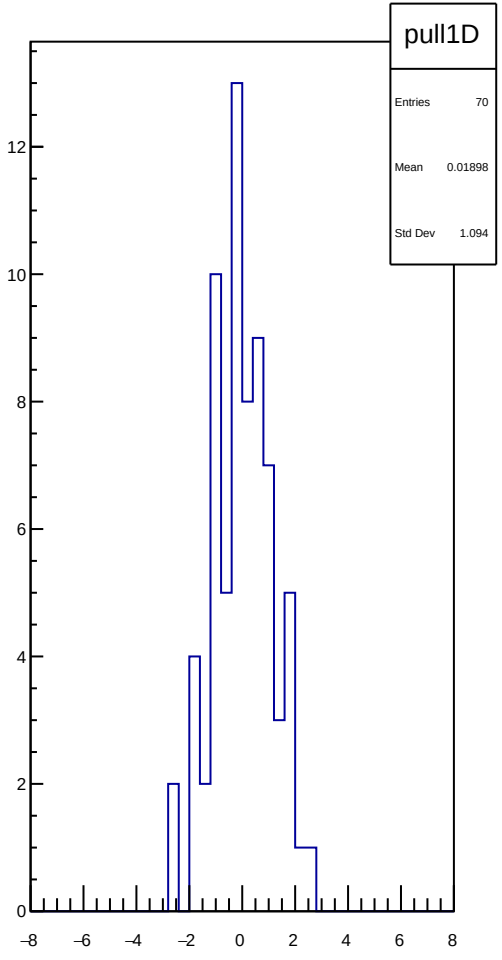

asym_sam_15_avg_rms vs run
χ² / ndf 7505 / 69
p0 348.2 ± 0.3041
440
420
400
380
360
340
320
300

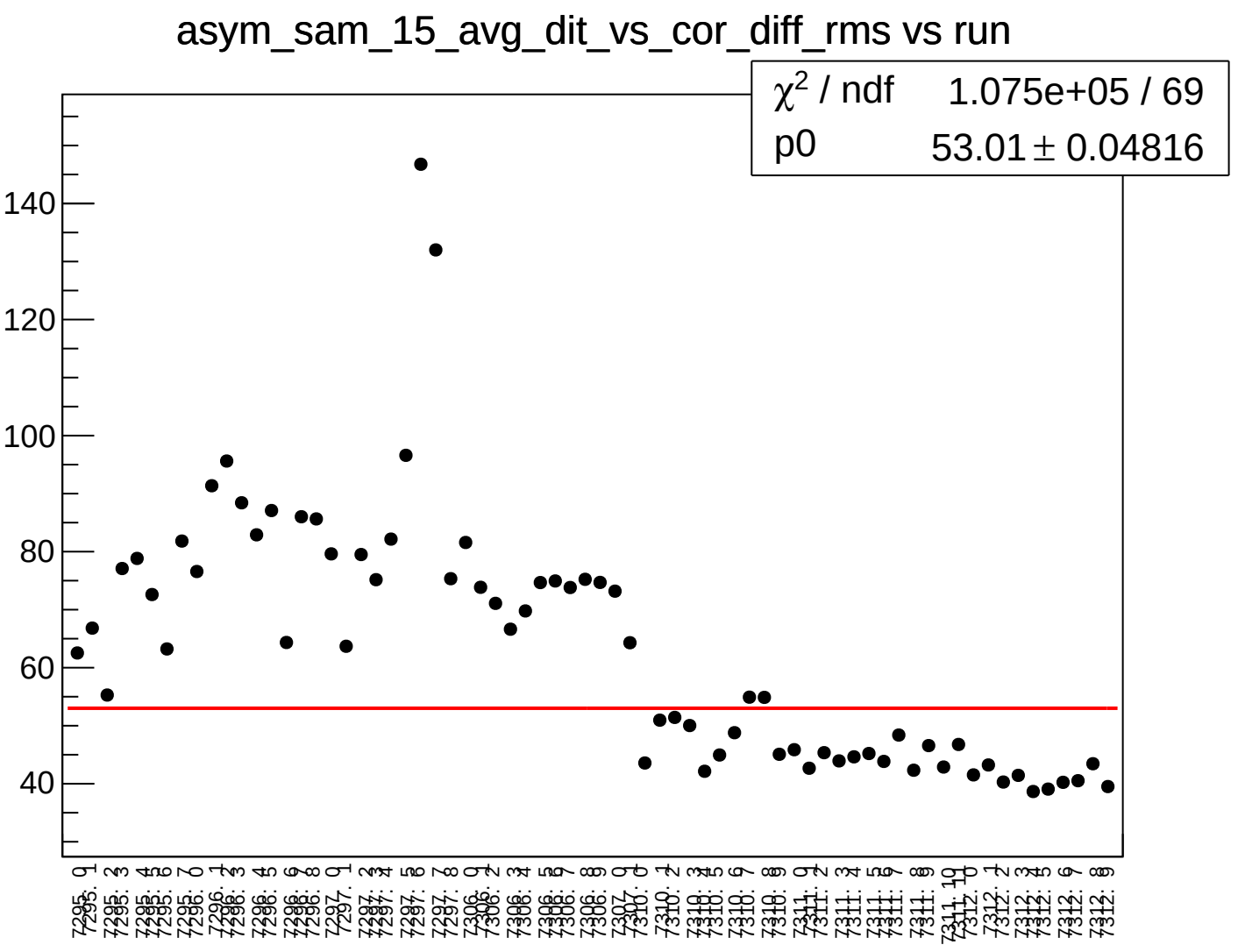

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.77 / 69
p0 1.528e−14 ± 1.499e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 28.03
Std Dev 18.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

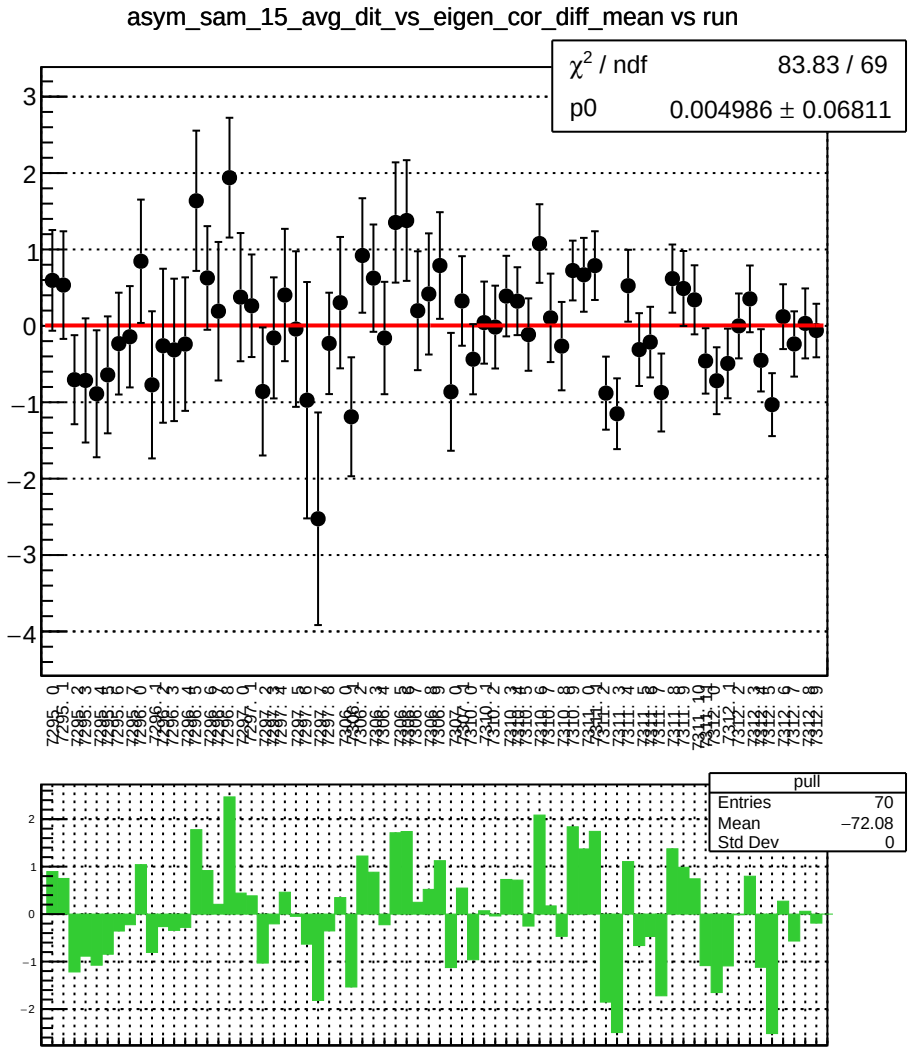

pull1D
Entries 70
Mean 0.2039
Std Dev 0.9247
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

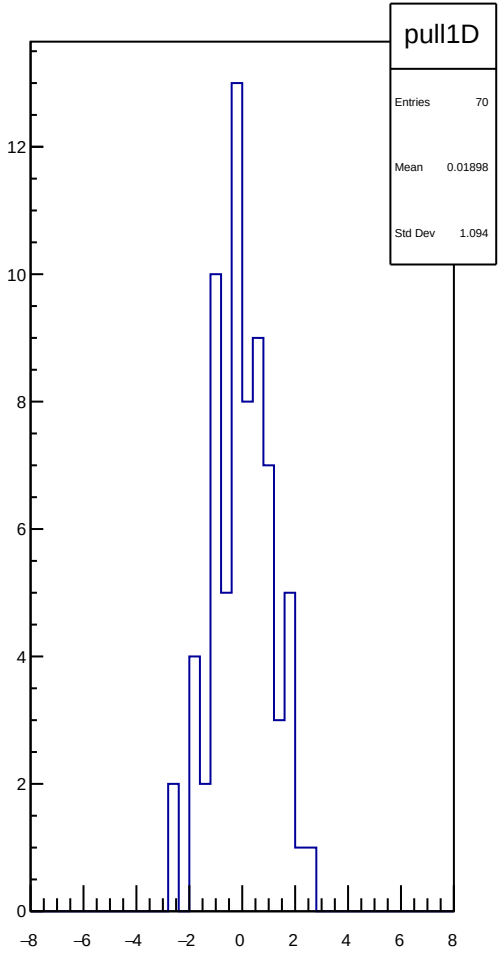

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.666e+05 / 69
p0 7.131e−12 ± 1.06e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

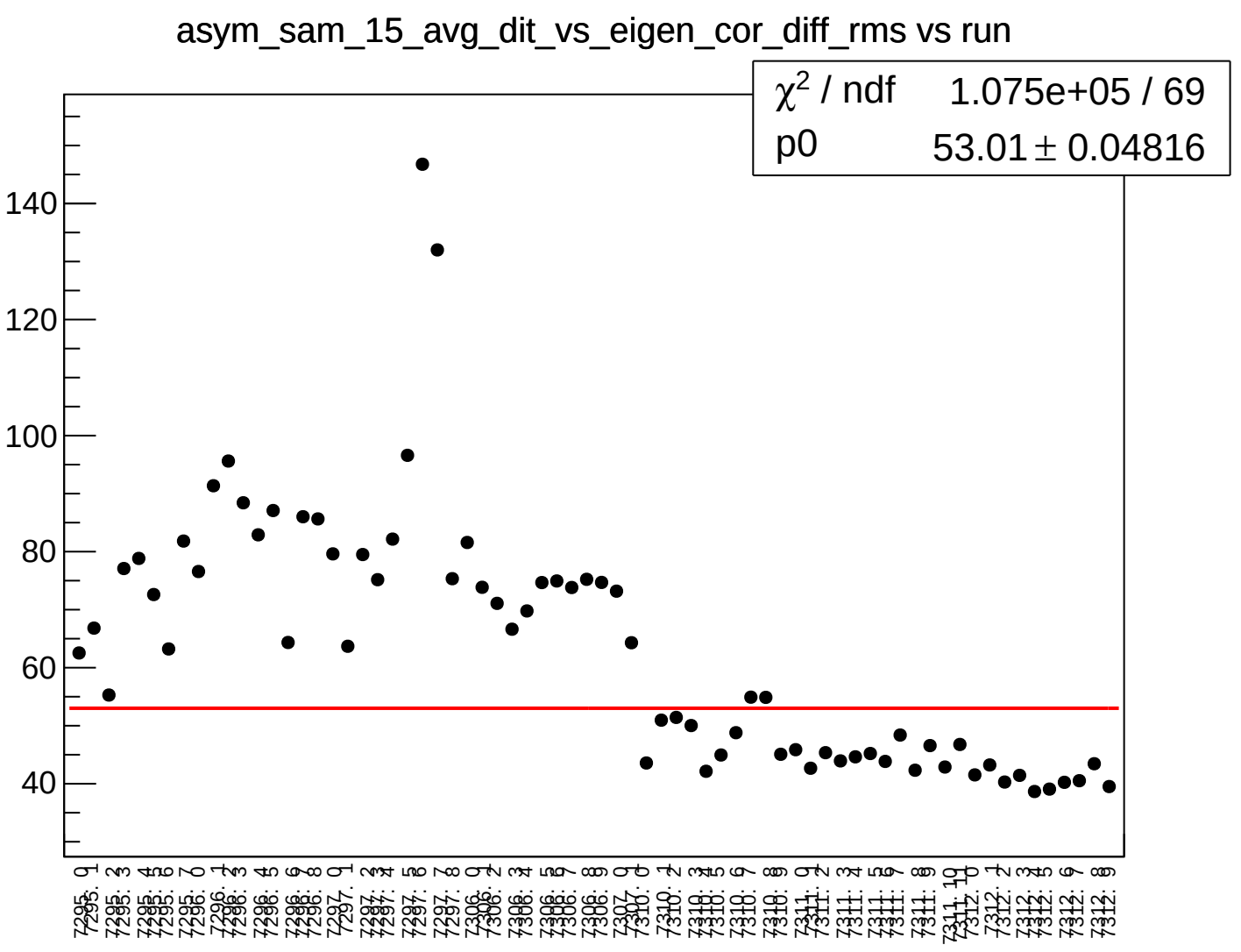

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.83 / 69
p0 0.004986 ± 0.06811
pull
Entries 70
Mean −72.08
Std Dev 0

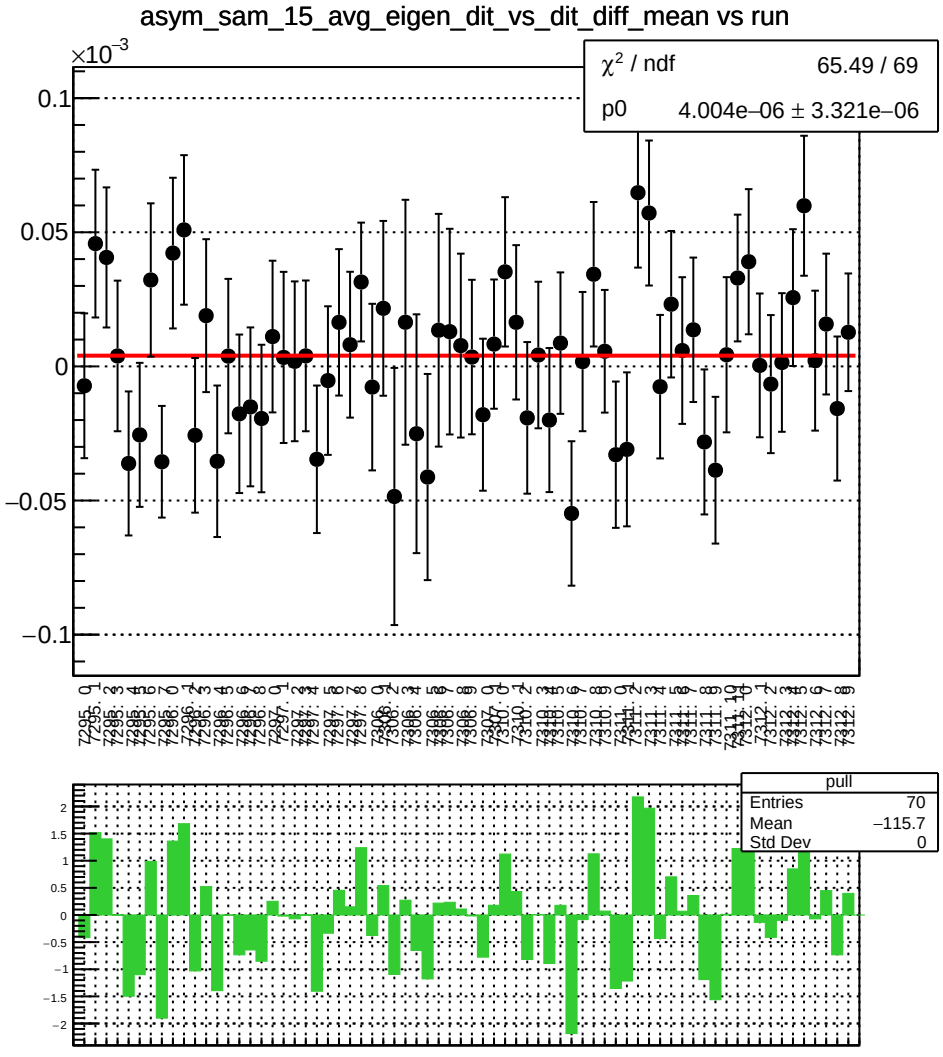

pull1D
Entries 70
Mean 0.01898
Std Dev 1.094

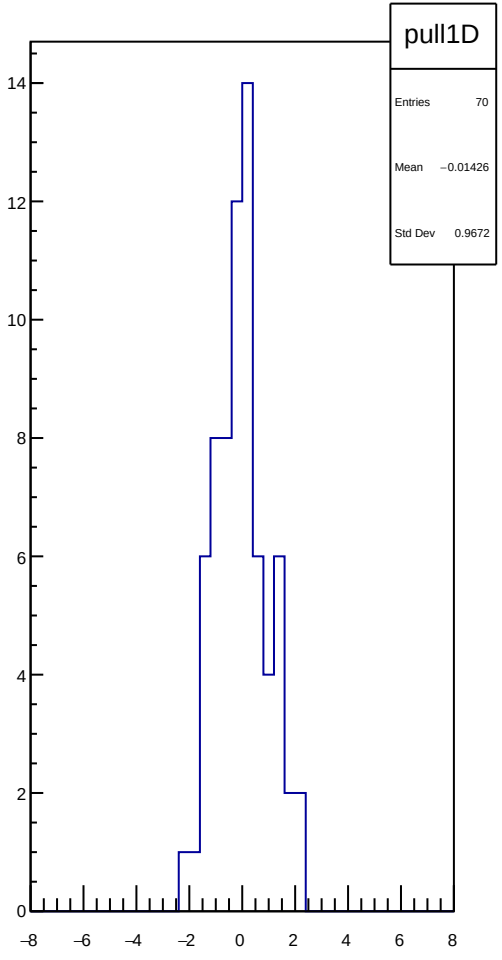

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.075e+05 / 69
p0 53.01 ± 0.04816
140
120
100
80
60
40

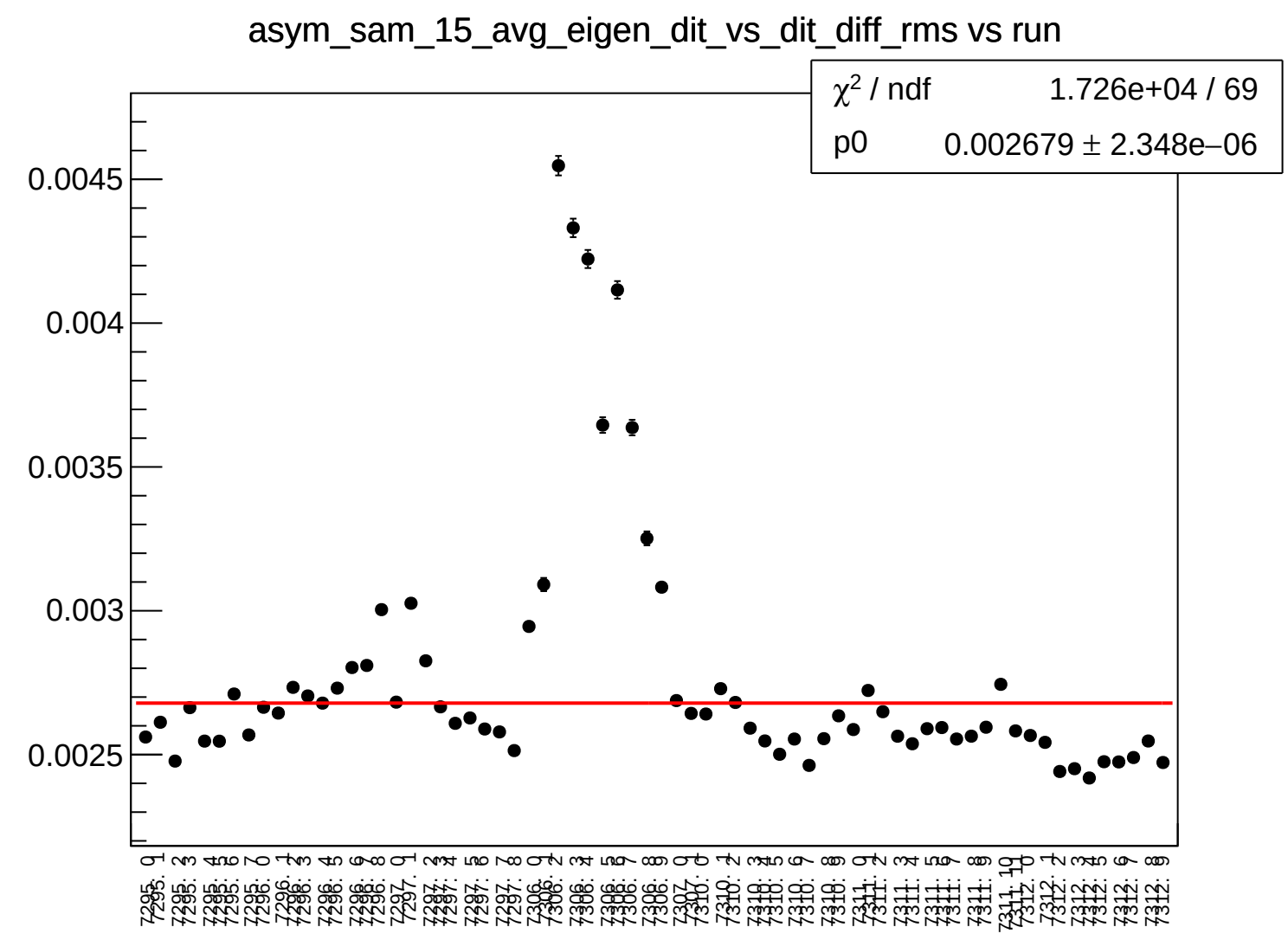

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.83 / 69
p0 0.004986 ± 0.06811
pull
Entries 70
Mean −72.08
Std Dev 0

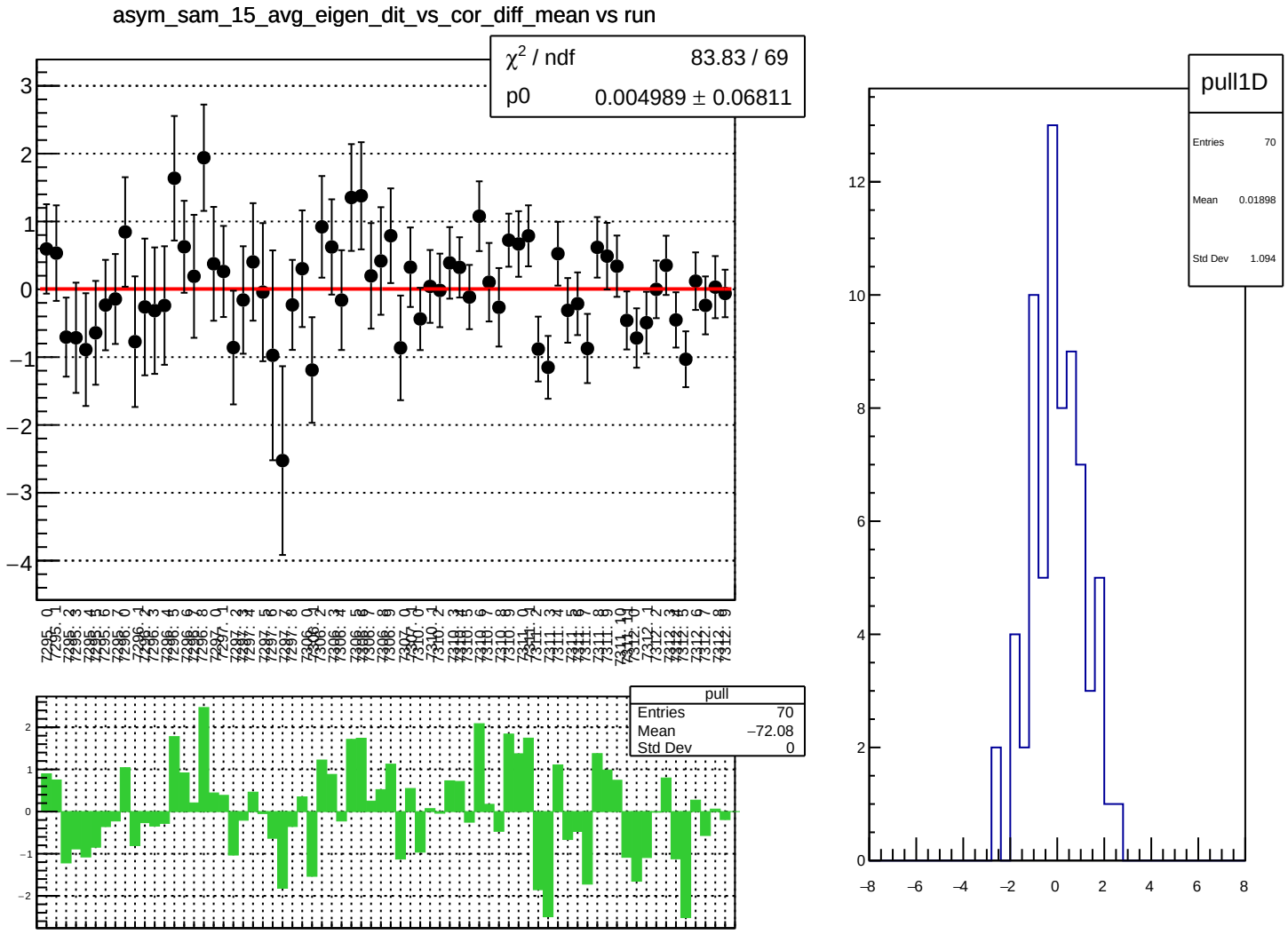

pull1D
Entries 70
Mean 0.01898
Std Dev 1.094

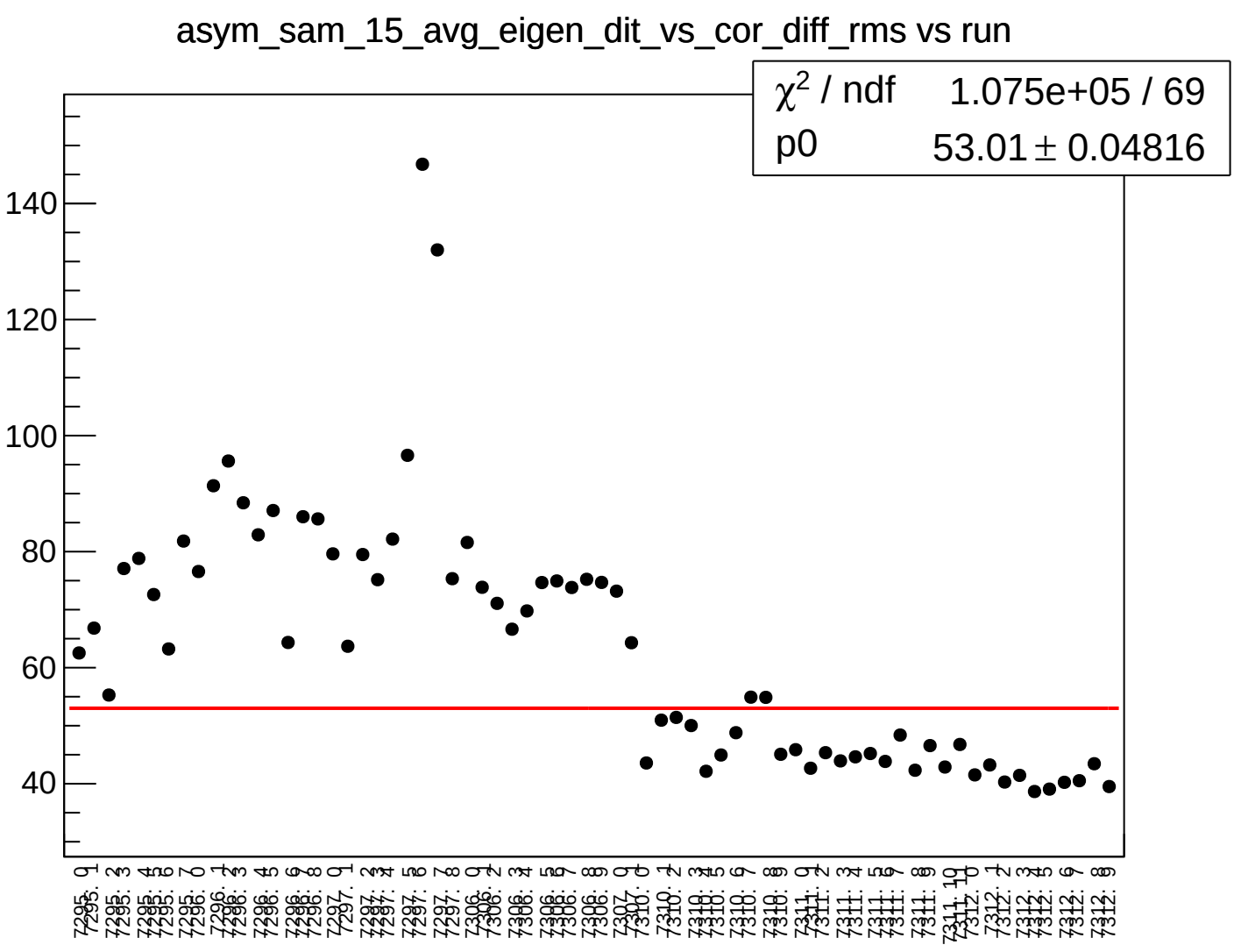

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.075e+05 / 69
p0 53.01 ± 0.04816
140
120
100
80
60
40

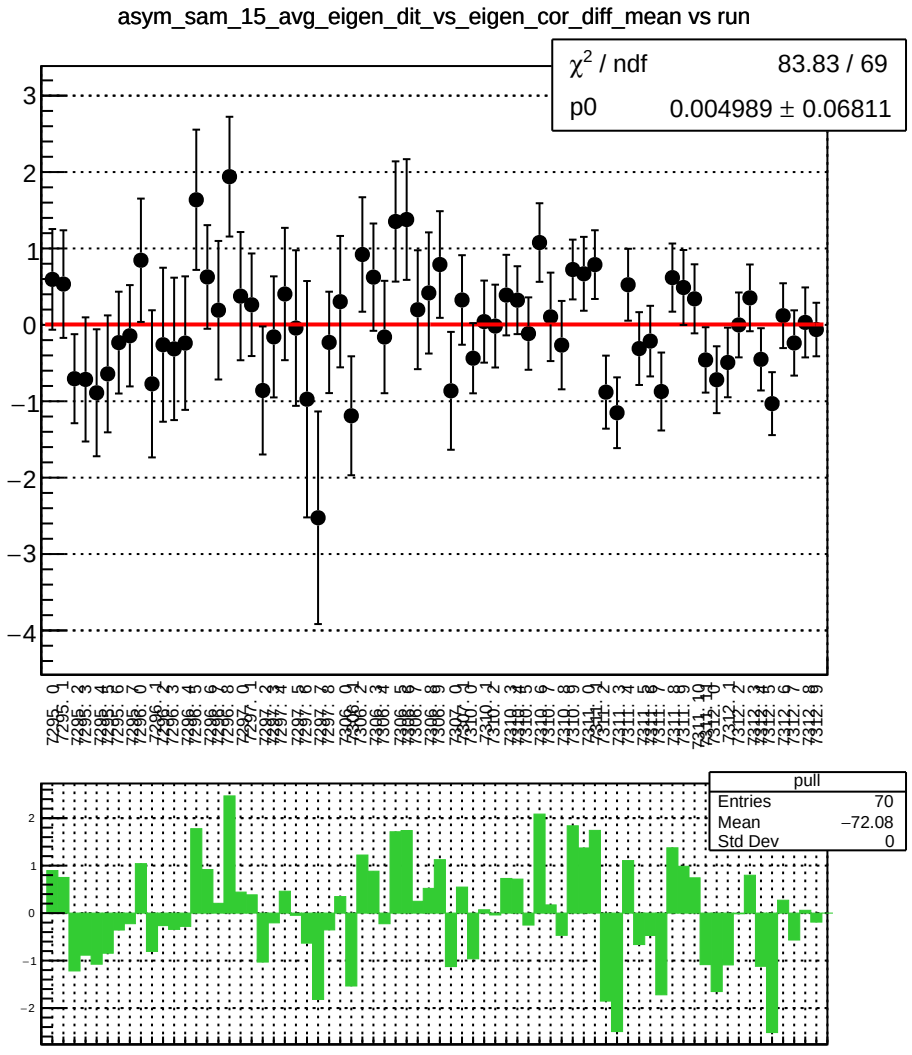

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.49 / 69
p0 4.004e−06 ± 3.321e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean −115.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

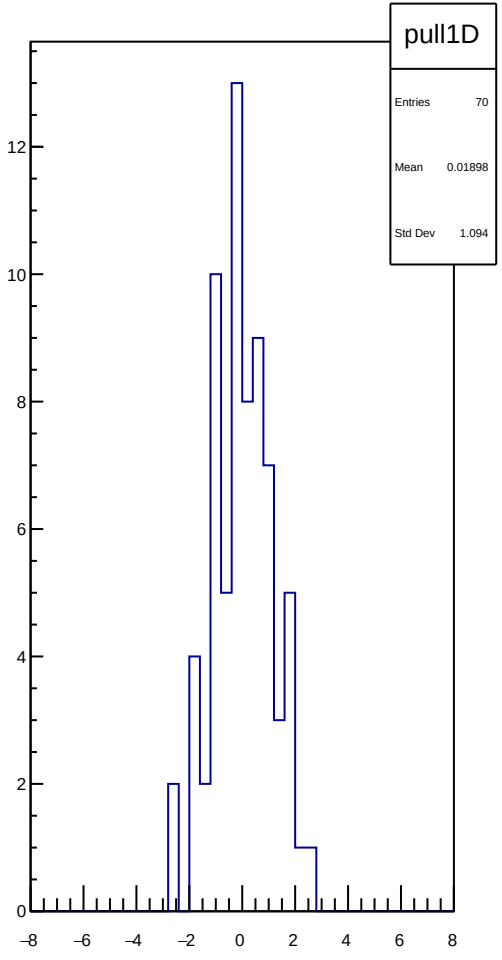

pull1D
Entries 70
Mean −0.01426
Std Dev 0.9672
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

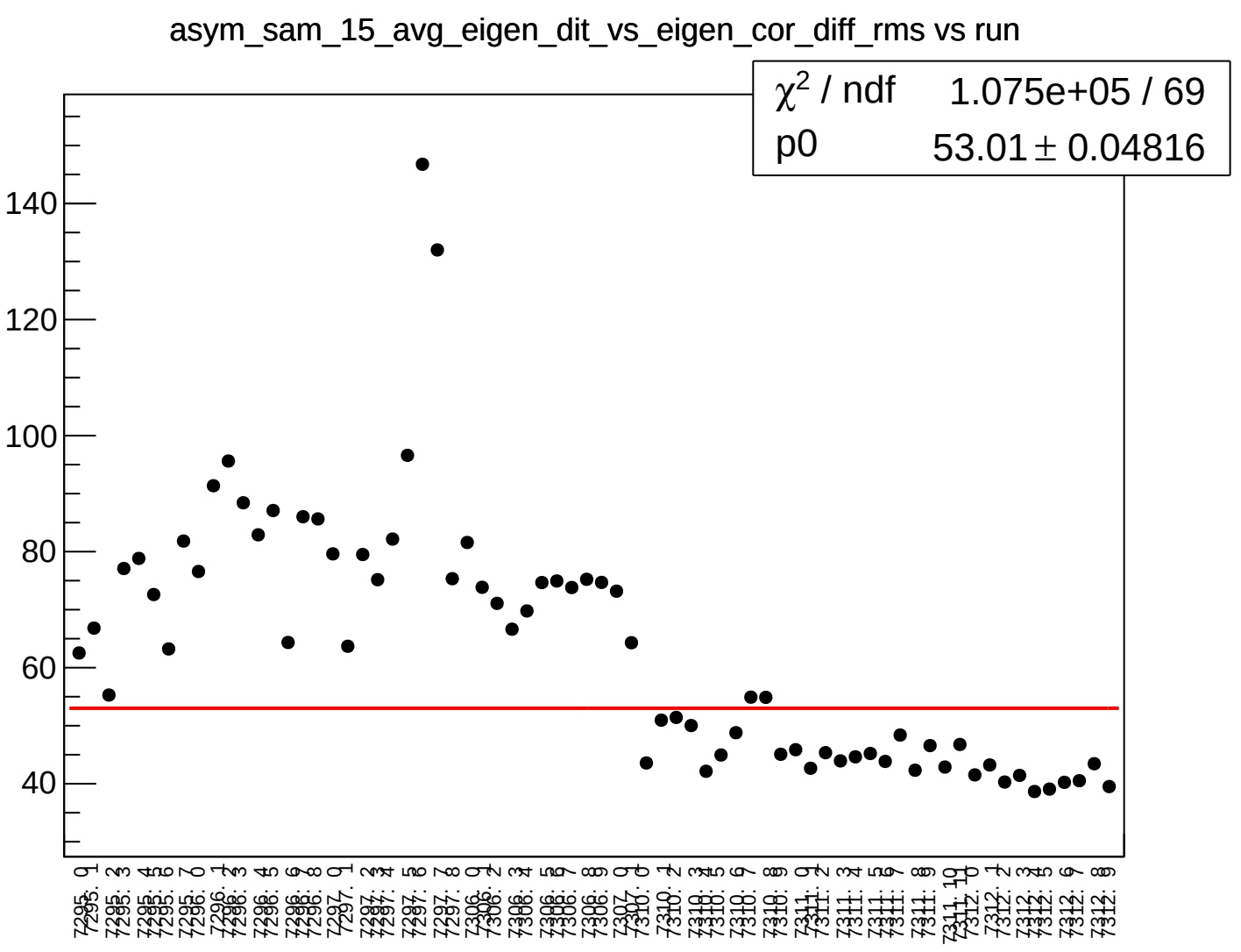

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.726e+04 / 69
p0 0.002679 ± 2.348e−06
0.0045
0.004
0.0035
0.003
0.0025

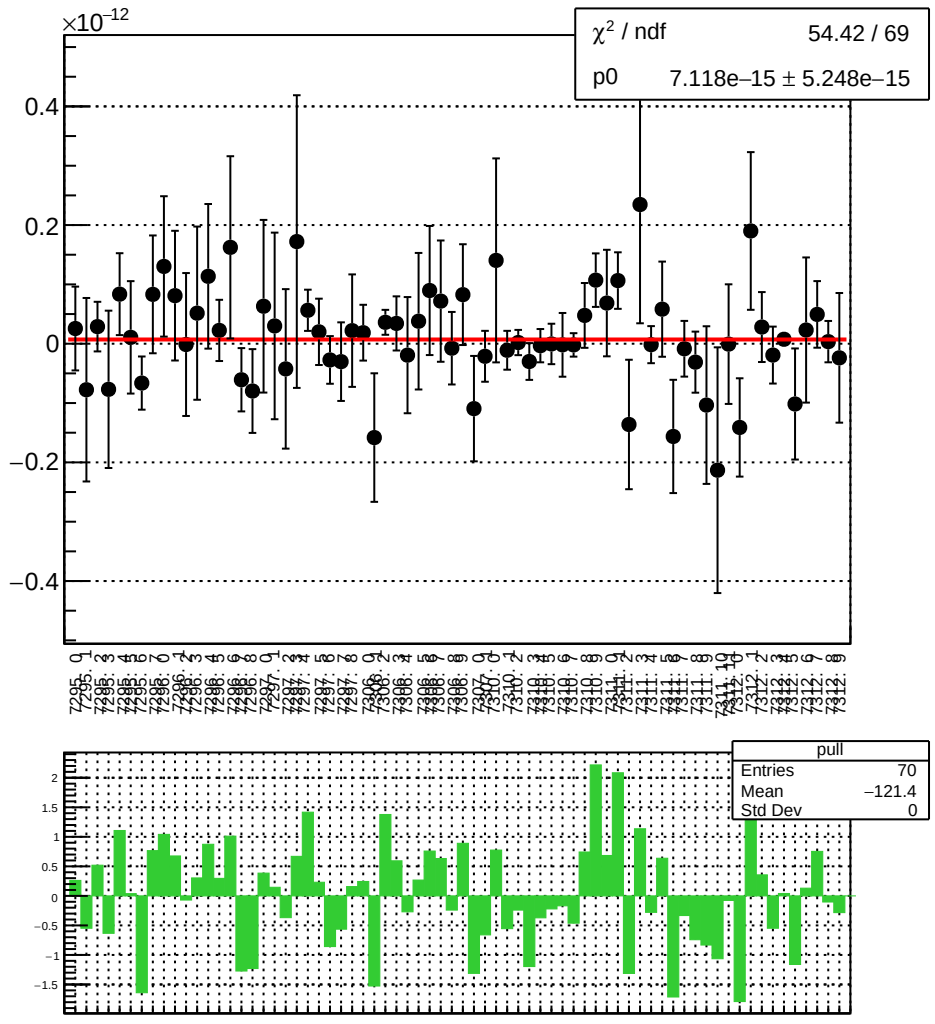

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.83 / 69
p0 0.004989 ± 0.06811
pull
Entries 70
Mean −72.08
Std Dev 0
pull1D
Entries 70
Mean 0.01898
Std Dev 1.094

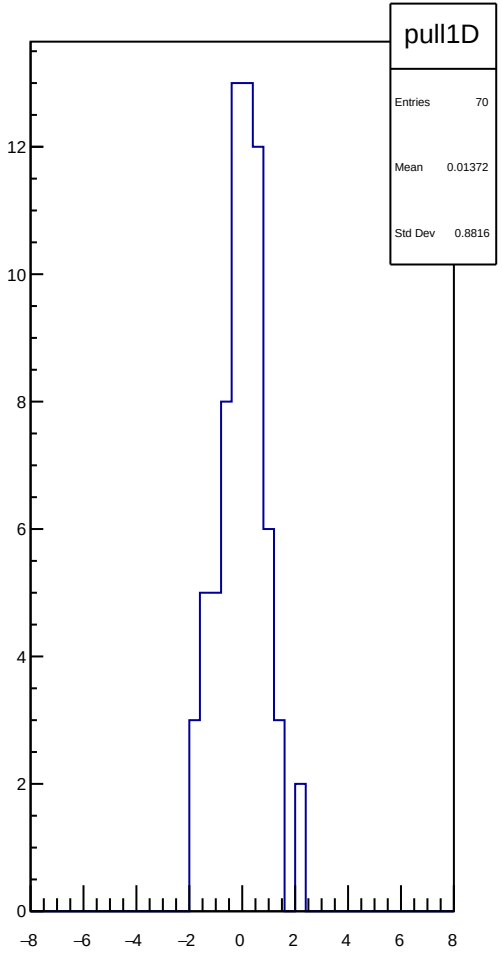

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.075e+05 / 69
p0 53.01 ± 0.04816
140
120
100
80
60
40

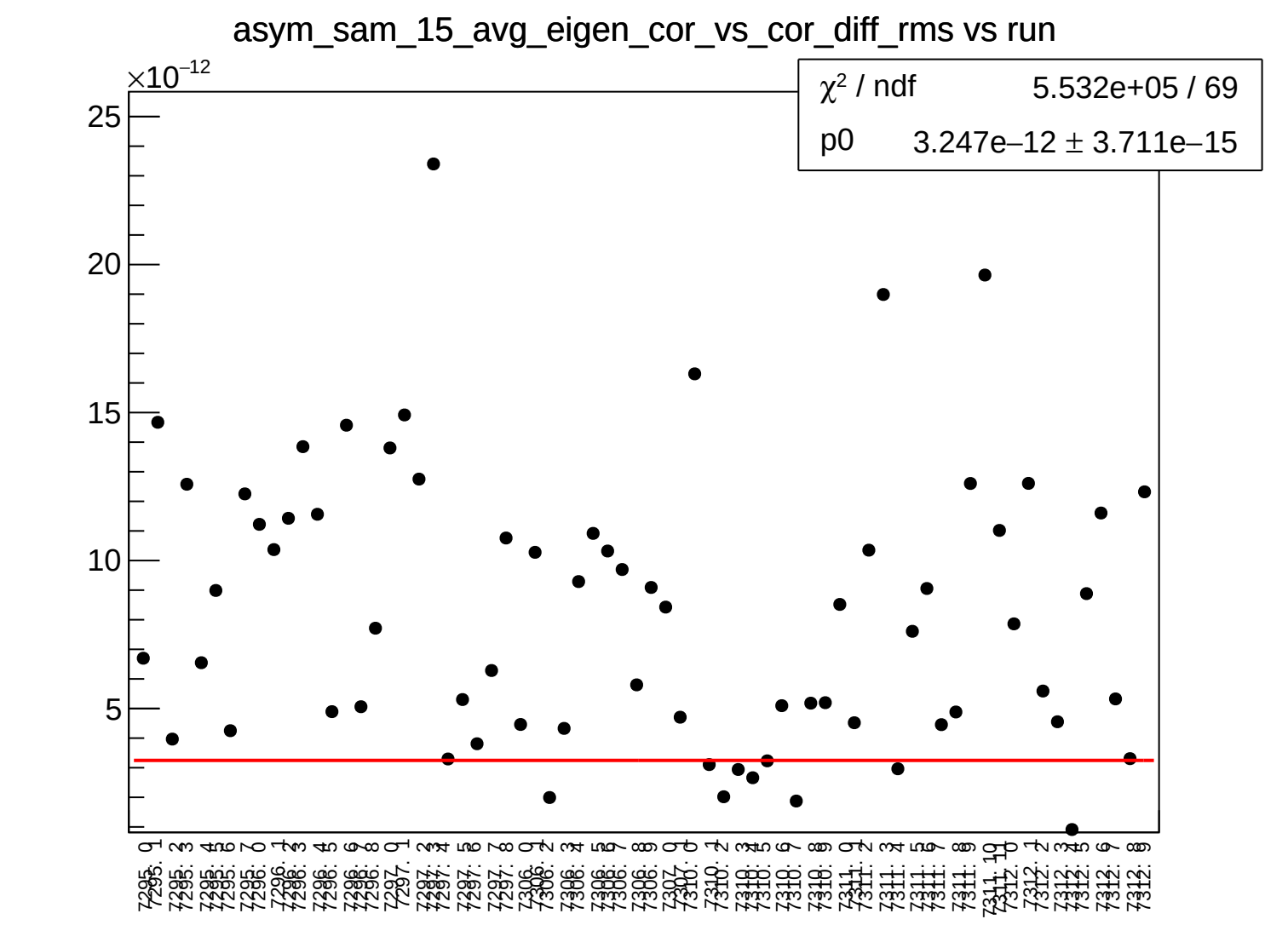

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.83 / 69
p0 0.004989 ± 0.06811
pull
Entries 70
Mean −72.08
Std Dev 0

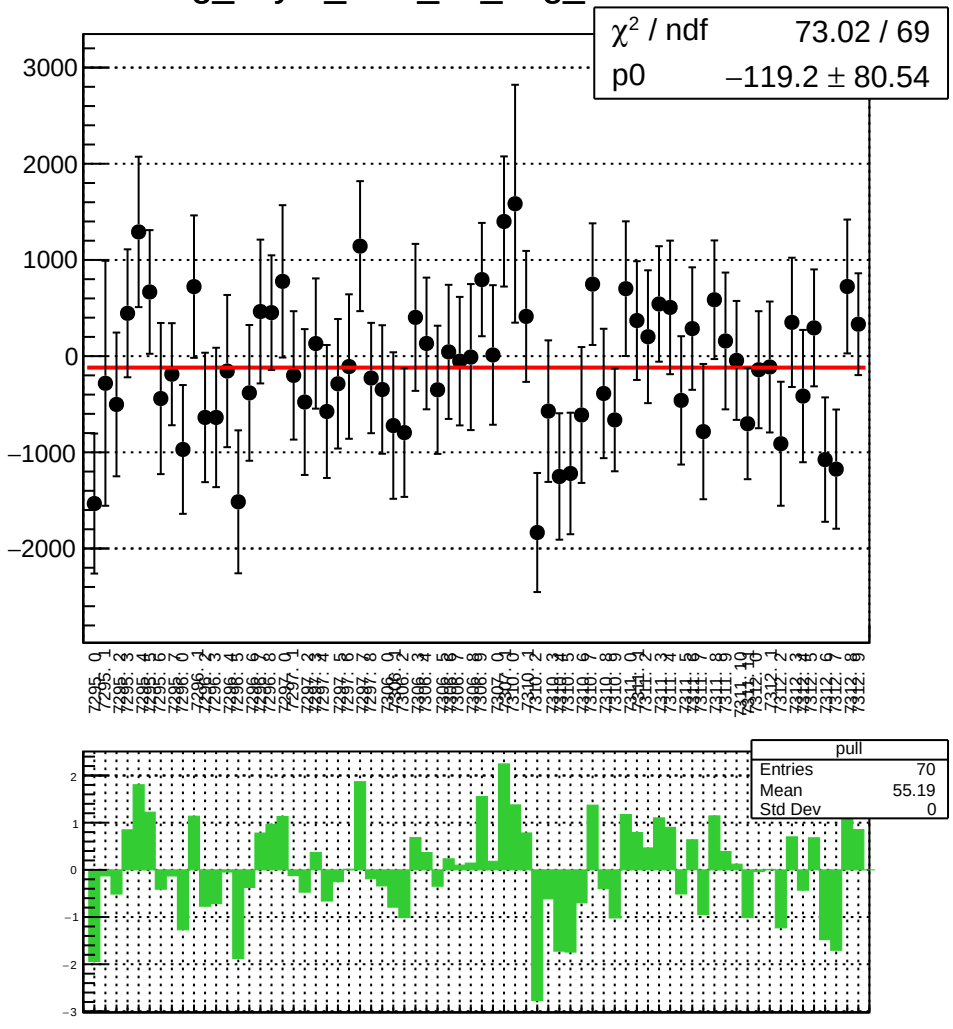

pull1D
Entries 70
Mean 0.01898
Std Dev 1.094

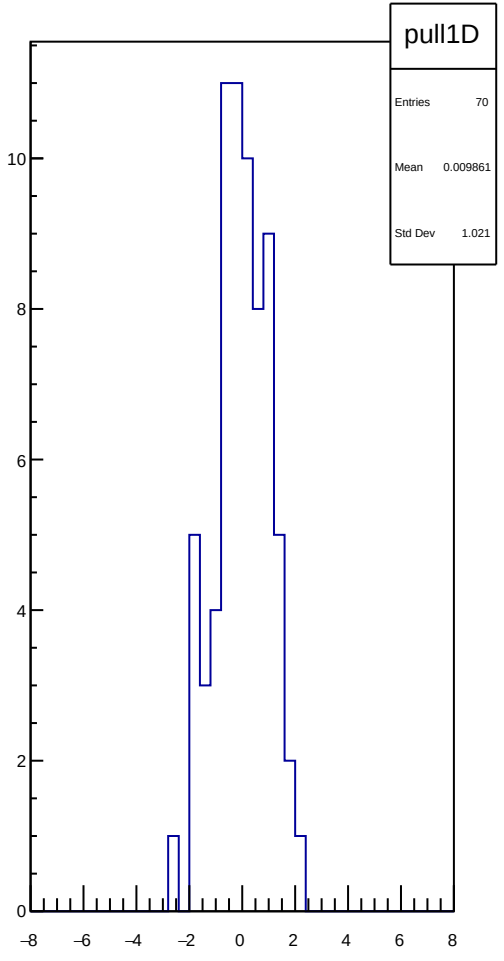

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.075e+05 / 69
p0 53.01 ± 0.04816
140
120
100
80
60
40

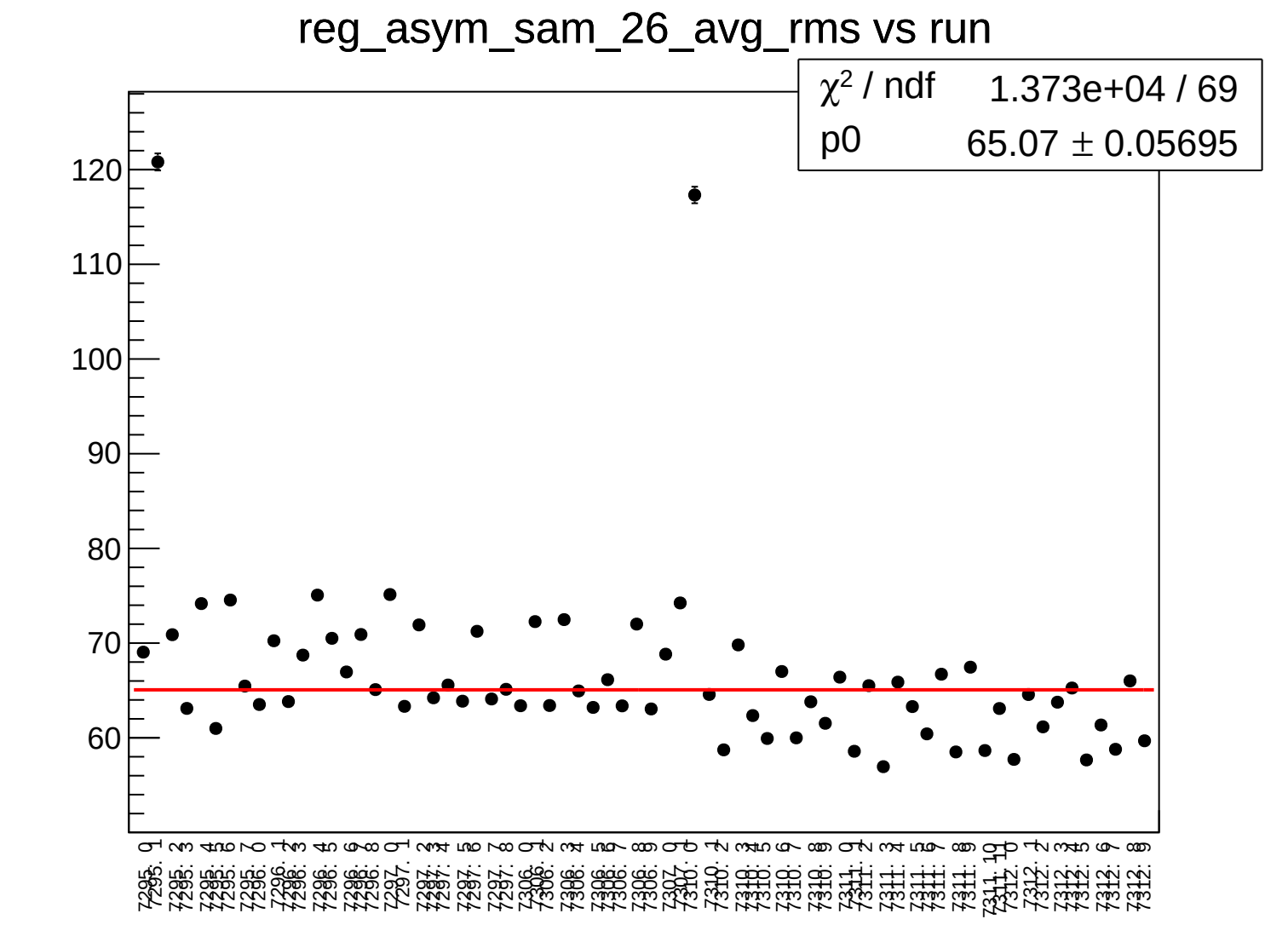

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.42 / 69
p0 7.118e−15 ± 5.248e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean −121.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

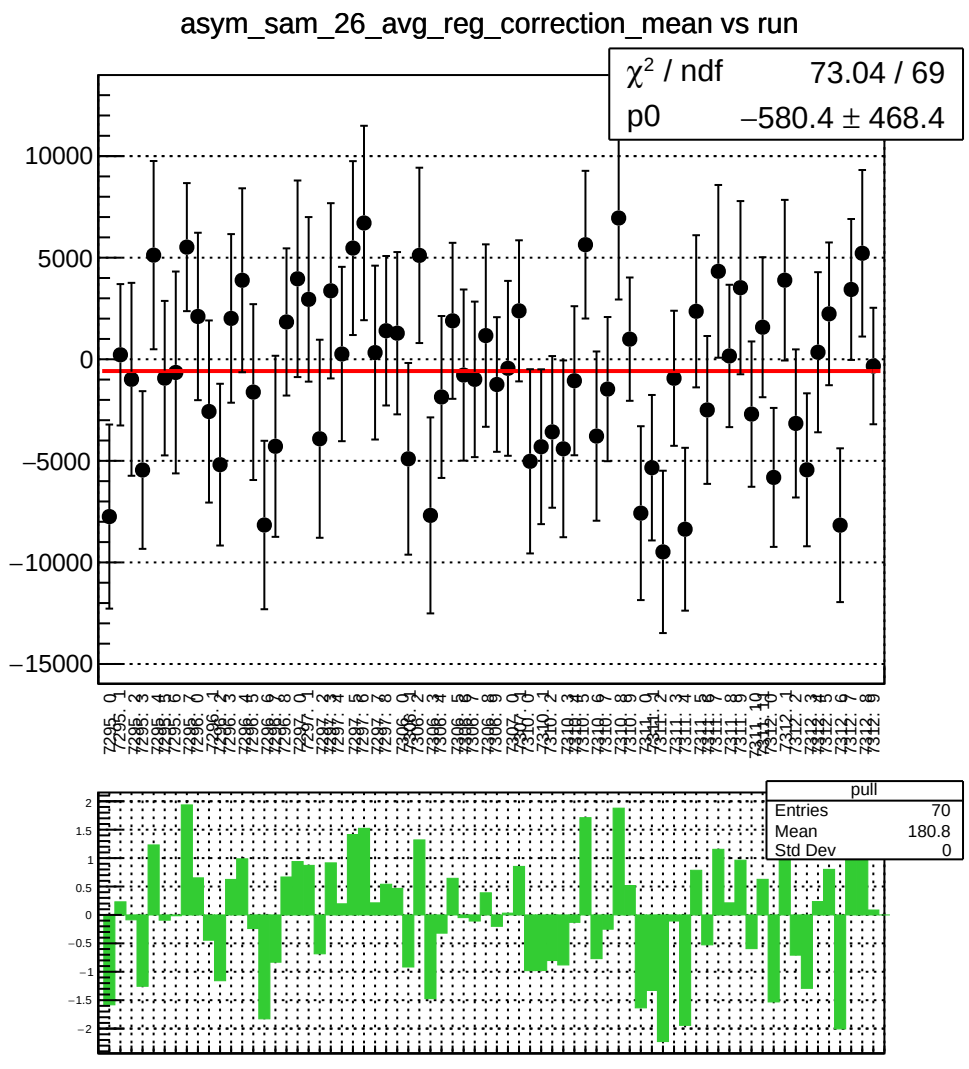

pull1D
Entries 70
Mean 0.01372
Std Dev 0.8816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

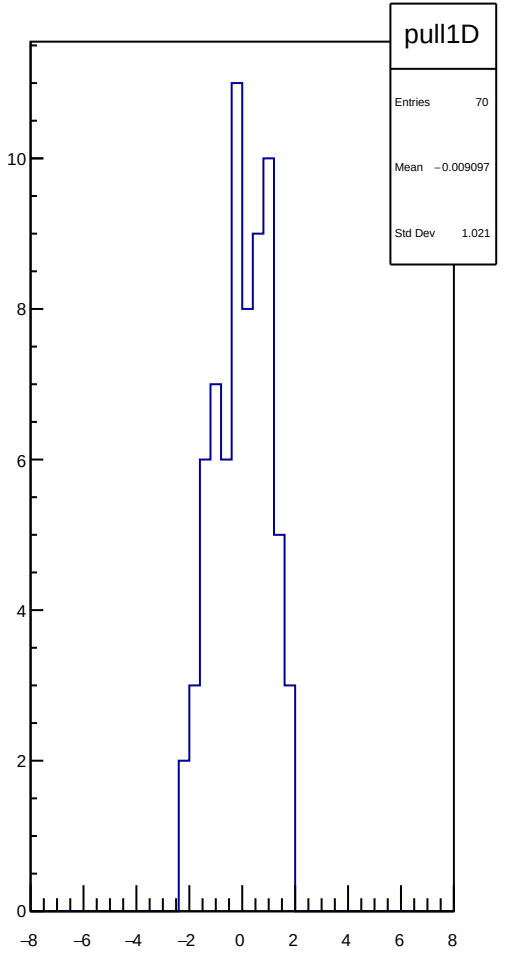

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.532e+05 / 69
p0 3.247e−12 ± 3.711e−15
25
20
15
10
5

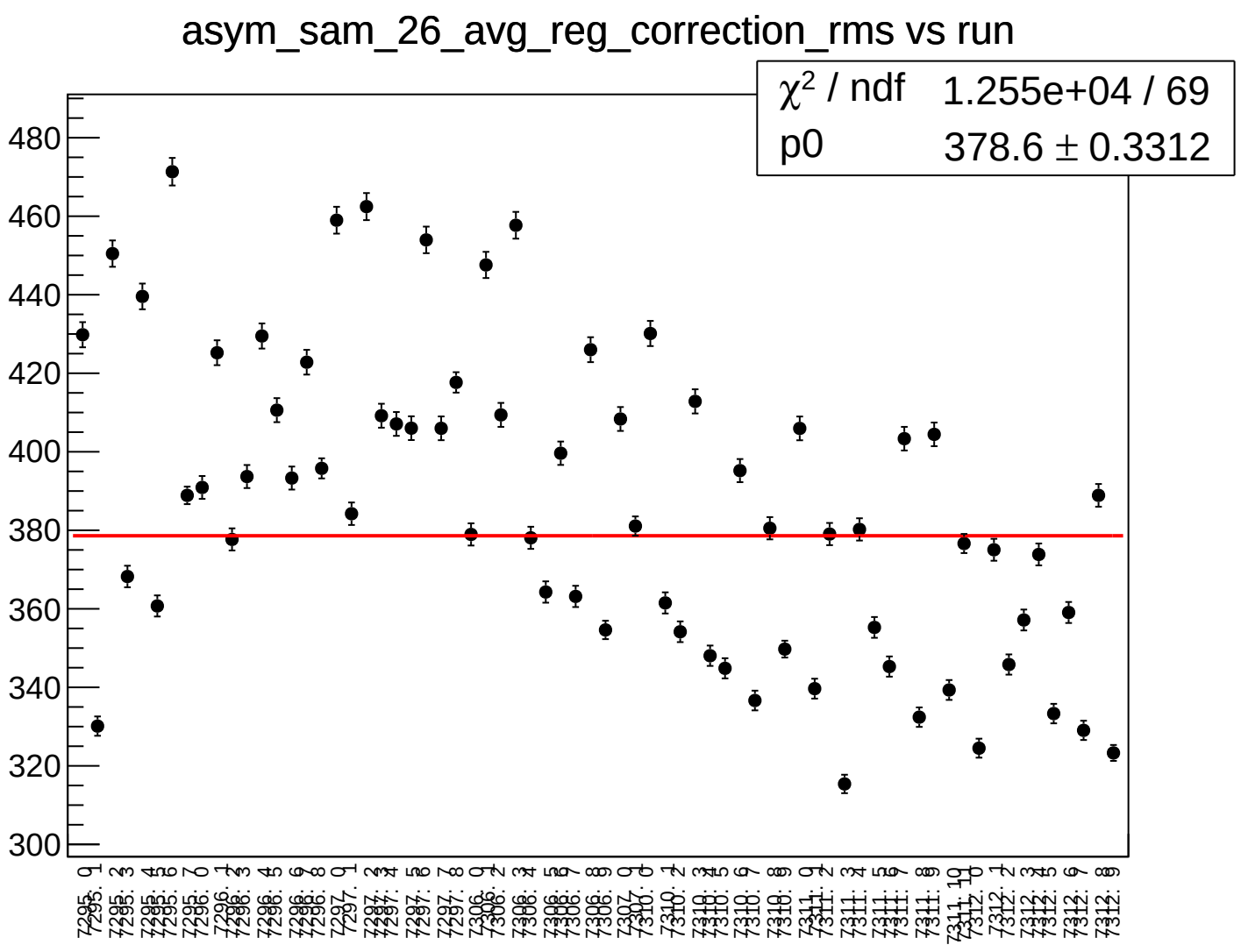

reg_asym_sam_26_avg_mean vs run
χ² / ndf 73.02 / 69
p0 −119.2 ± 80.54
pull
Entries 70
Mean 55.19
Std Dev 0

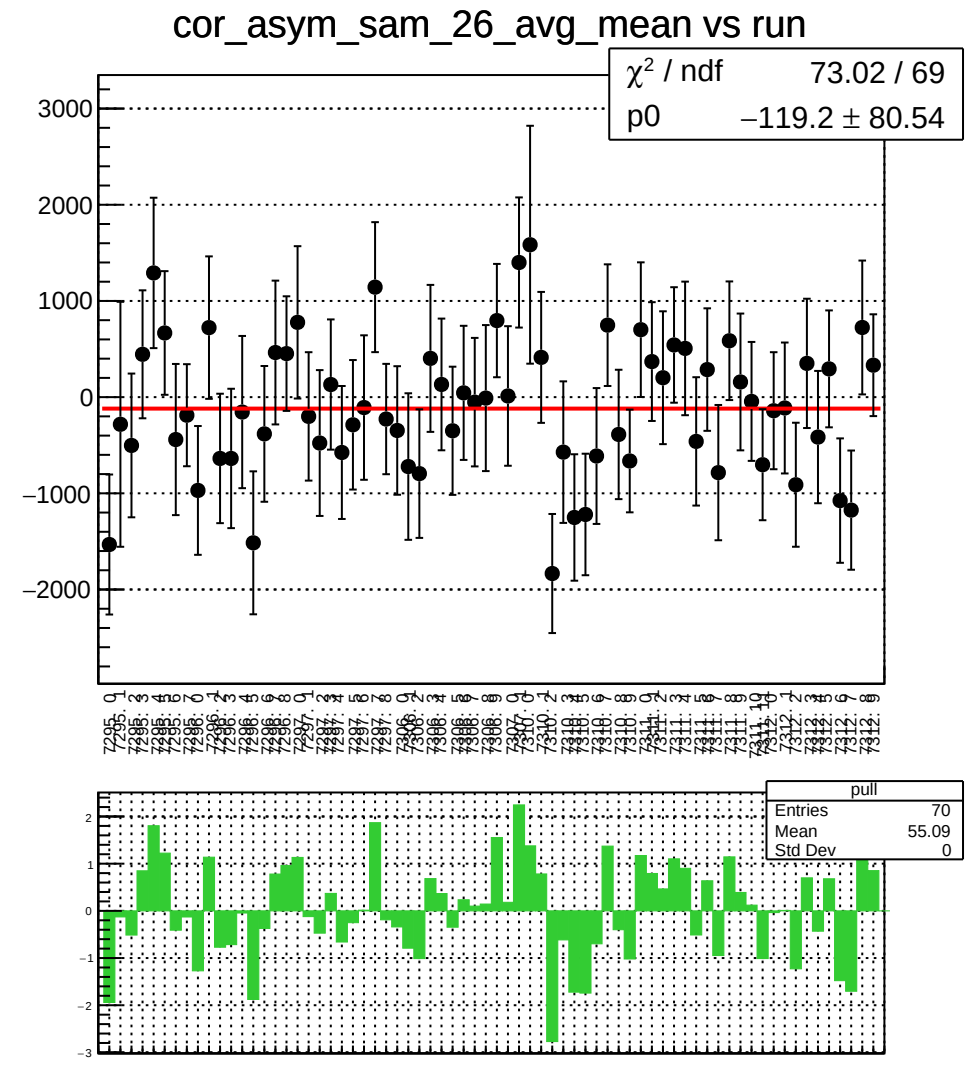

pull1D
Entries 70
Mean 0.009861
Std Dev 1.021

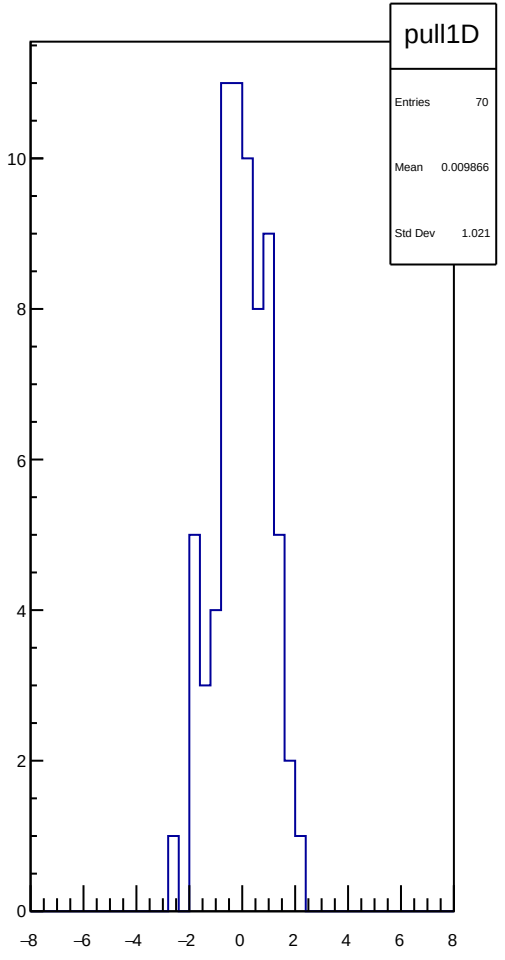

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.373e+04 / 69
p0 65.07 ± 0.05695
120
110
100
90
80
70
60

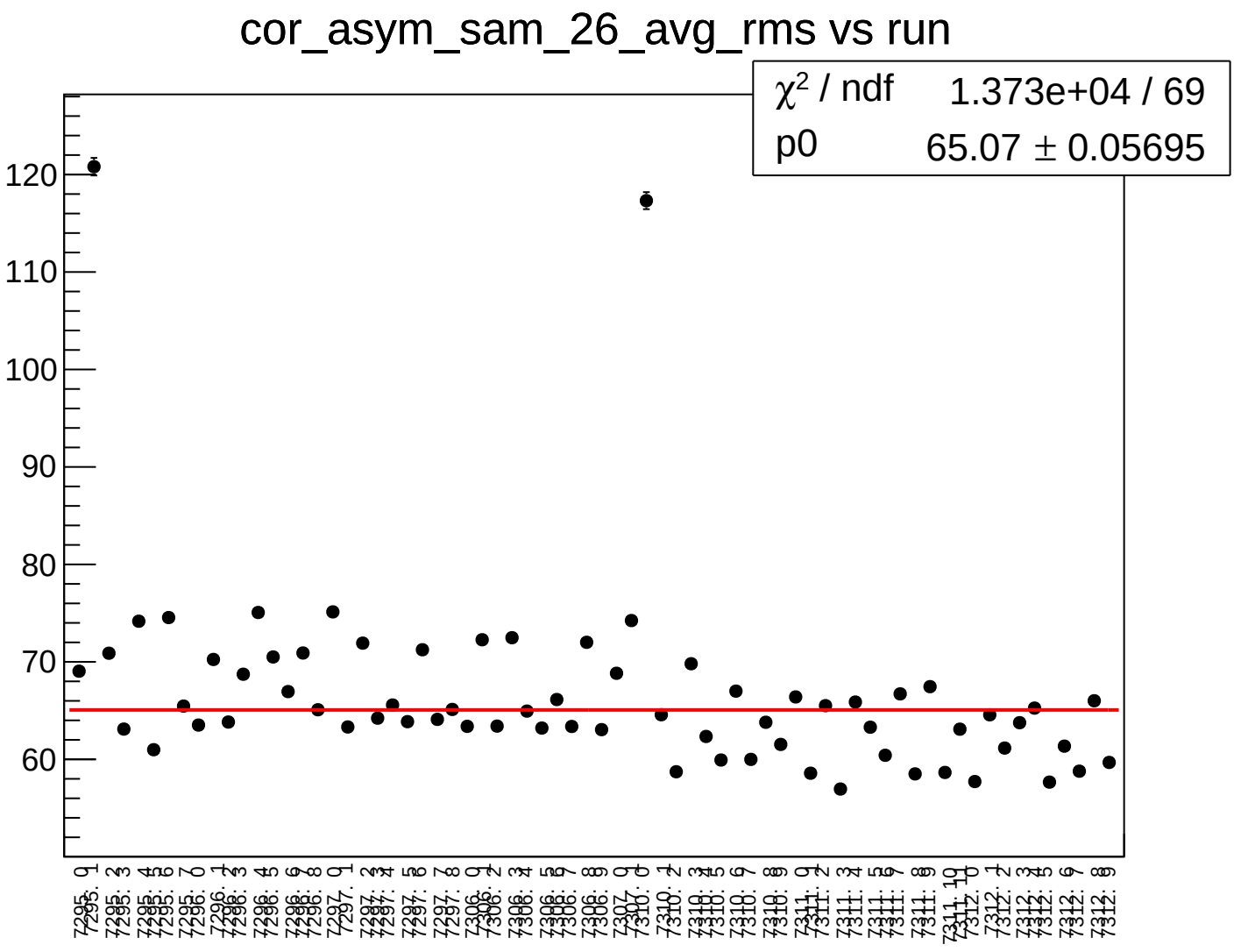

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 73.04 / 69
p0 −580.4 ± 468.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 180.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

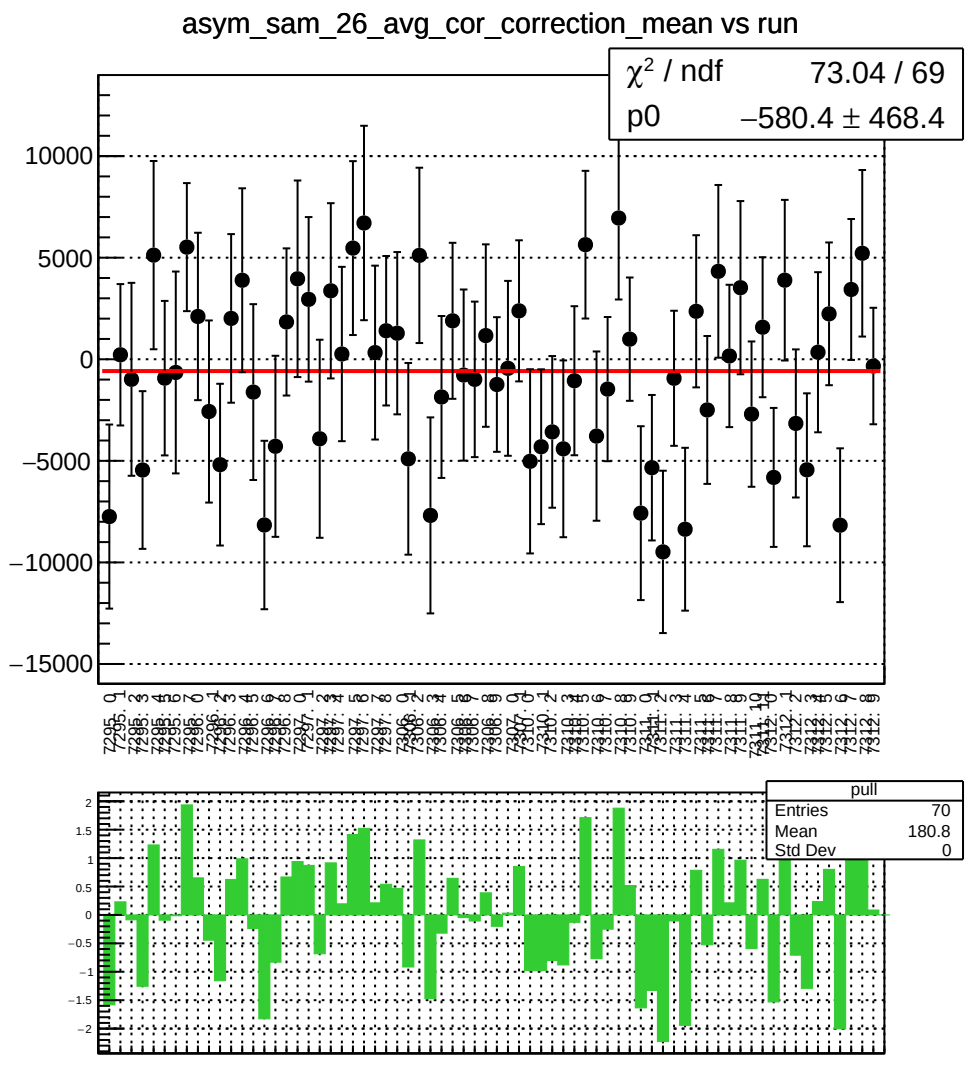

pull1D
Entries 70
Mean −0.009097
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

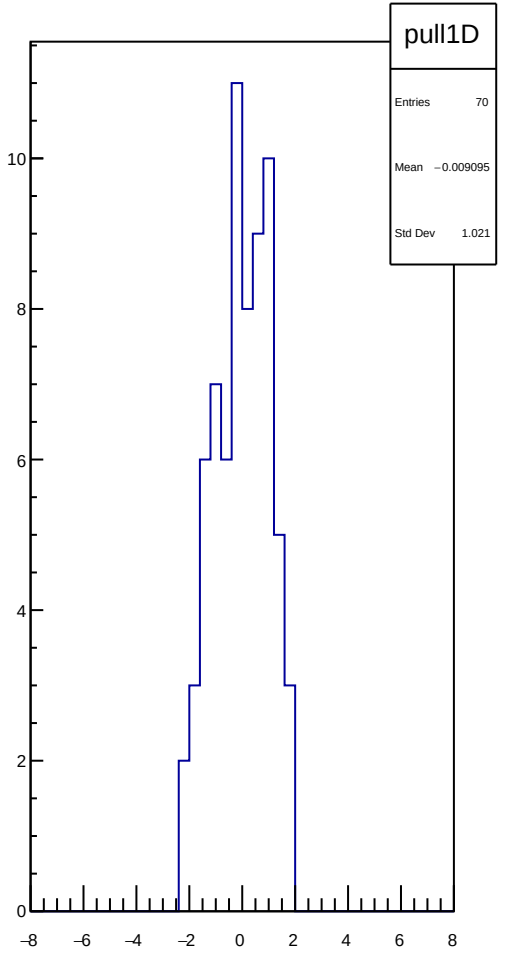

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 1.255e+04 / 69
p0 378.6 ± 0.3312
480
460
440
420
400
380
360
340
320
300

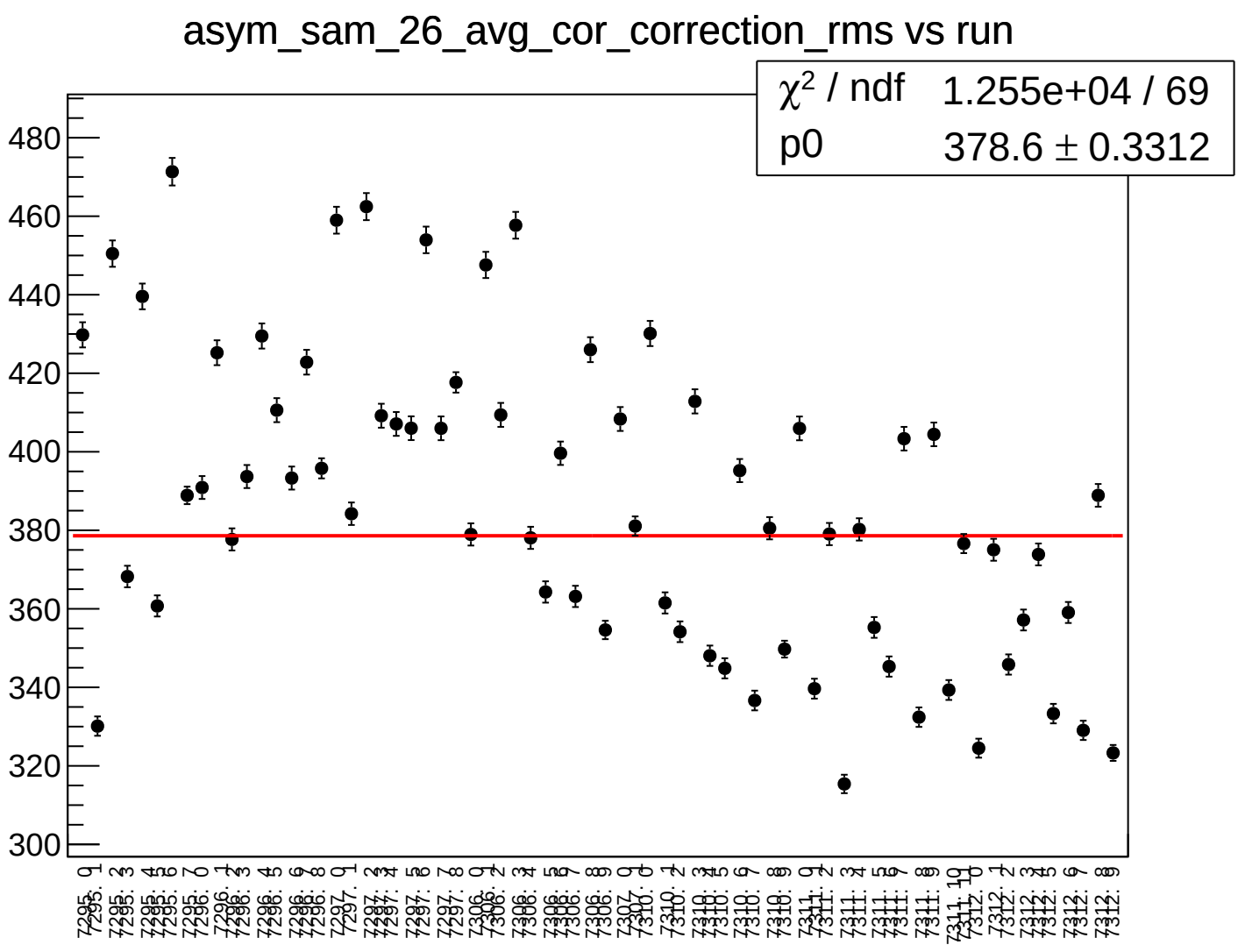

cor_asym_sam_26_avg_mean vs run
χ² / ndf 73.02 / 69
p0 −119.2 ± 80.54
pull
Entries 70
Mean 55.09
Std Dev 0

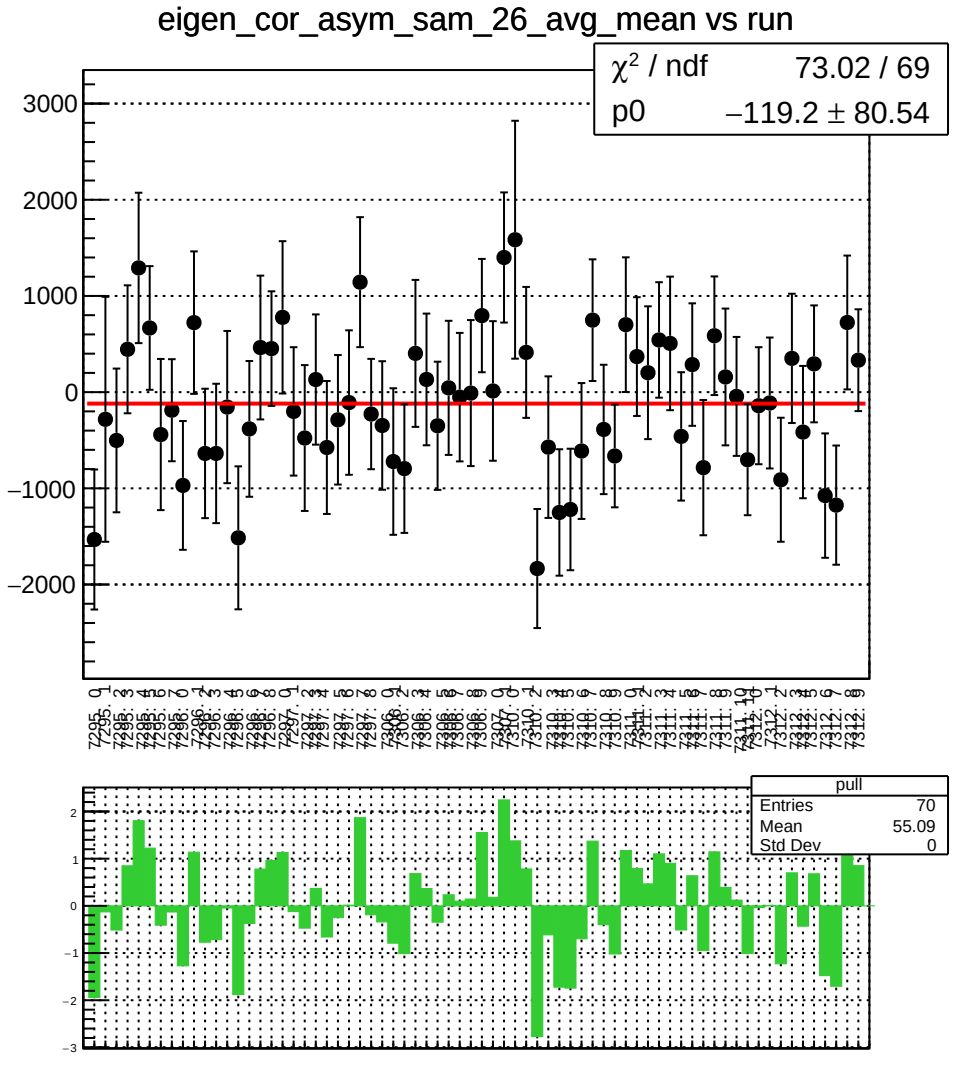

pull1D
Entries 70
Mean 0.009866
Std Dev 1.021

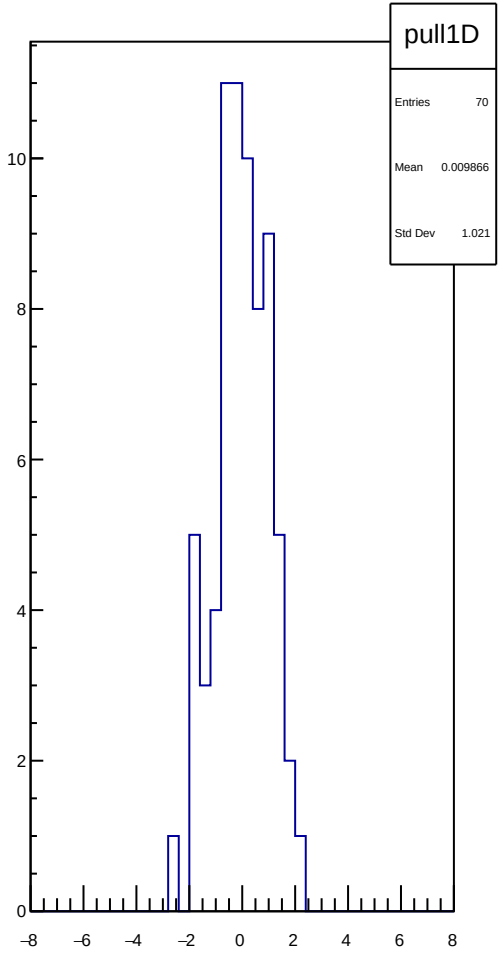

cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.373e+04 / 69
p0 65.07 ± 0.05695
120
110
100
90
80
70
60

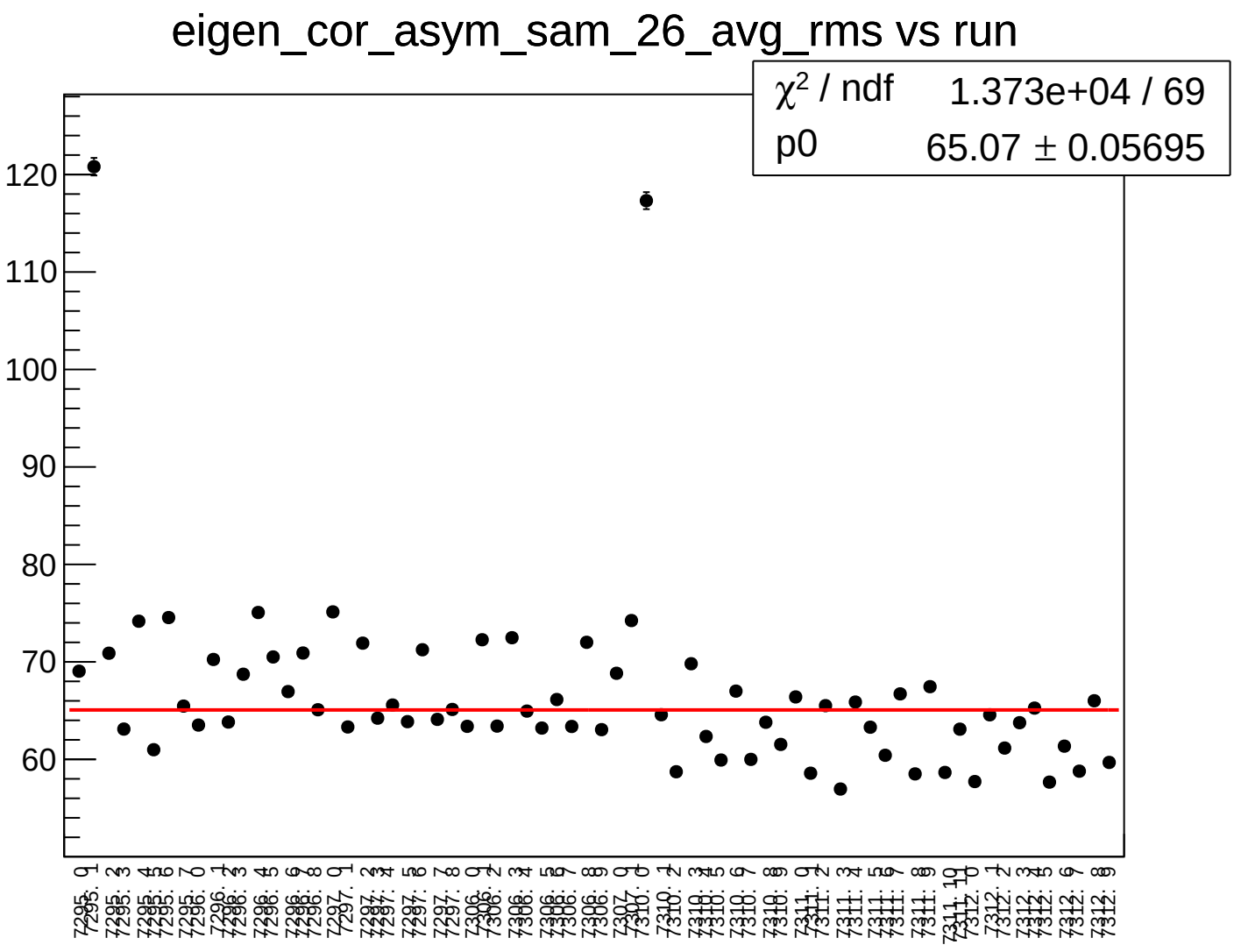

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 73.04 / 69
p0 −580.4 ± 468.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 180.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

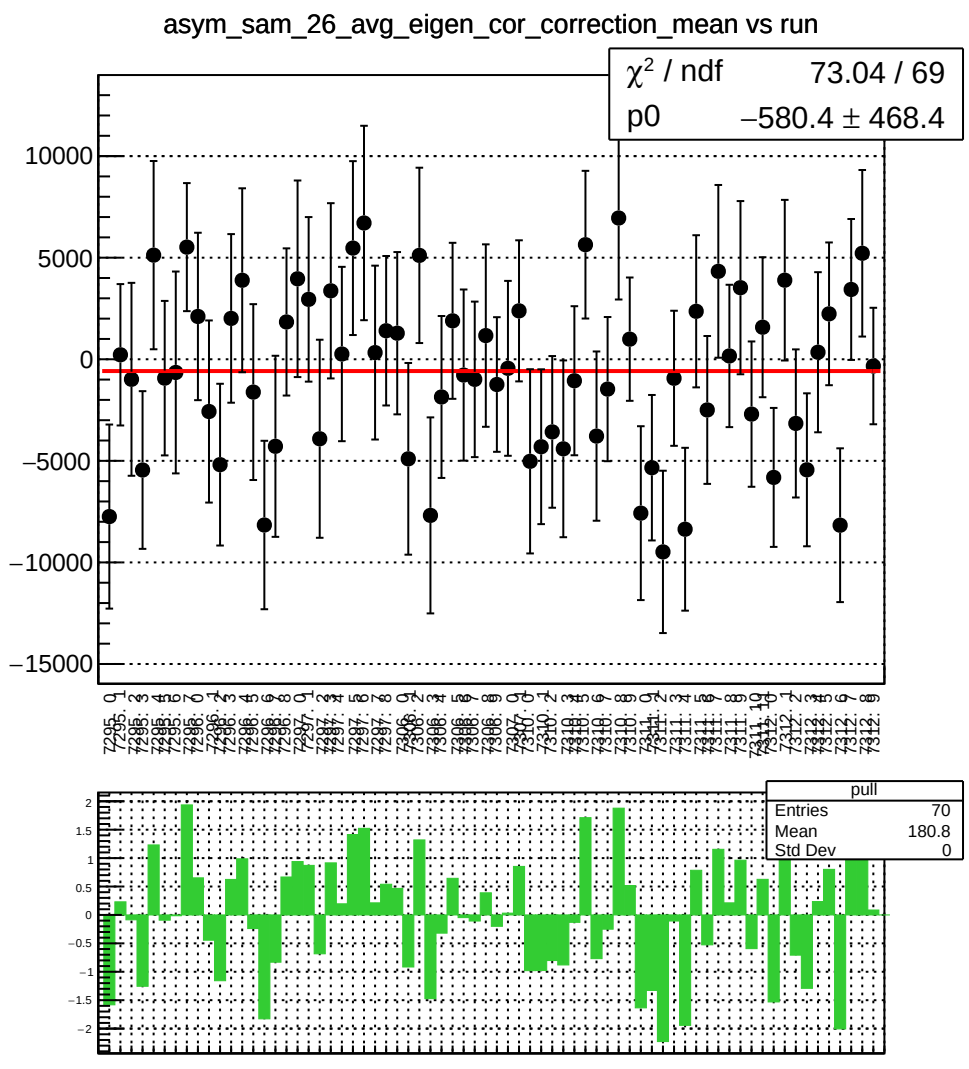

pull1D
Entries 70
Mean −0.009095
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

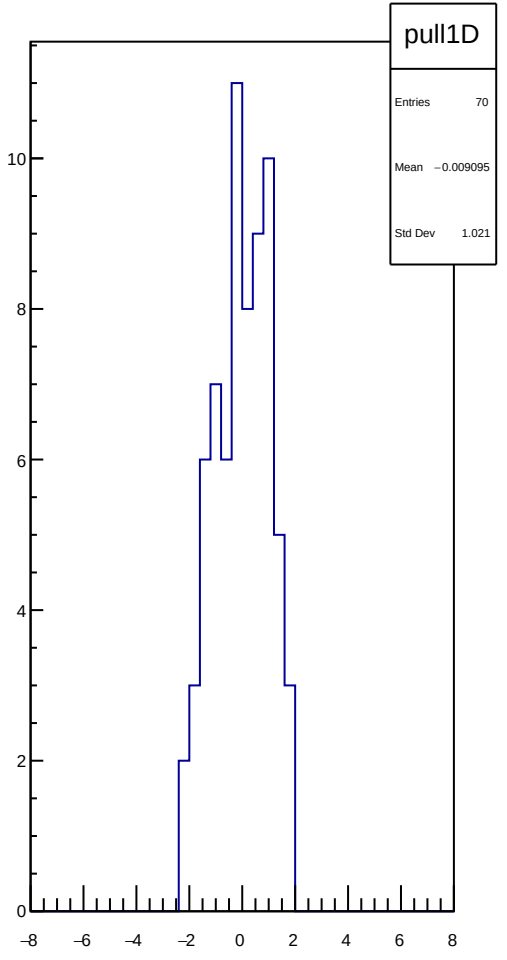

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 1.255e+04 / 69
p0 378.6 ± 0.3312
480
460
440
420
400
380
360
340
320
300


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 73.02 / 69
p0 −119.2 ± 80.54
pull
Entries 70
Mean 55.09
Std Dev 0


pull1D
Entries 70
Mean 0.009866
Std Dev 1.021


eigen_cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.373e+04 / 69
p0 65.07 ± 0.05695
120
110
100
90
80
70
60


asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.04 / 69
p0 −580.4 ± 468.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 180.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 70
Mean −0.009095
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
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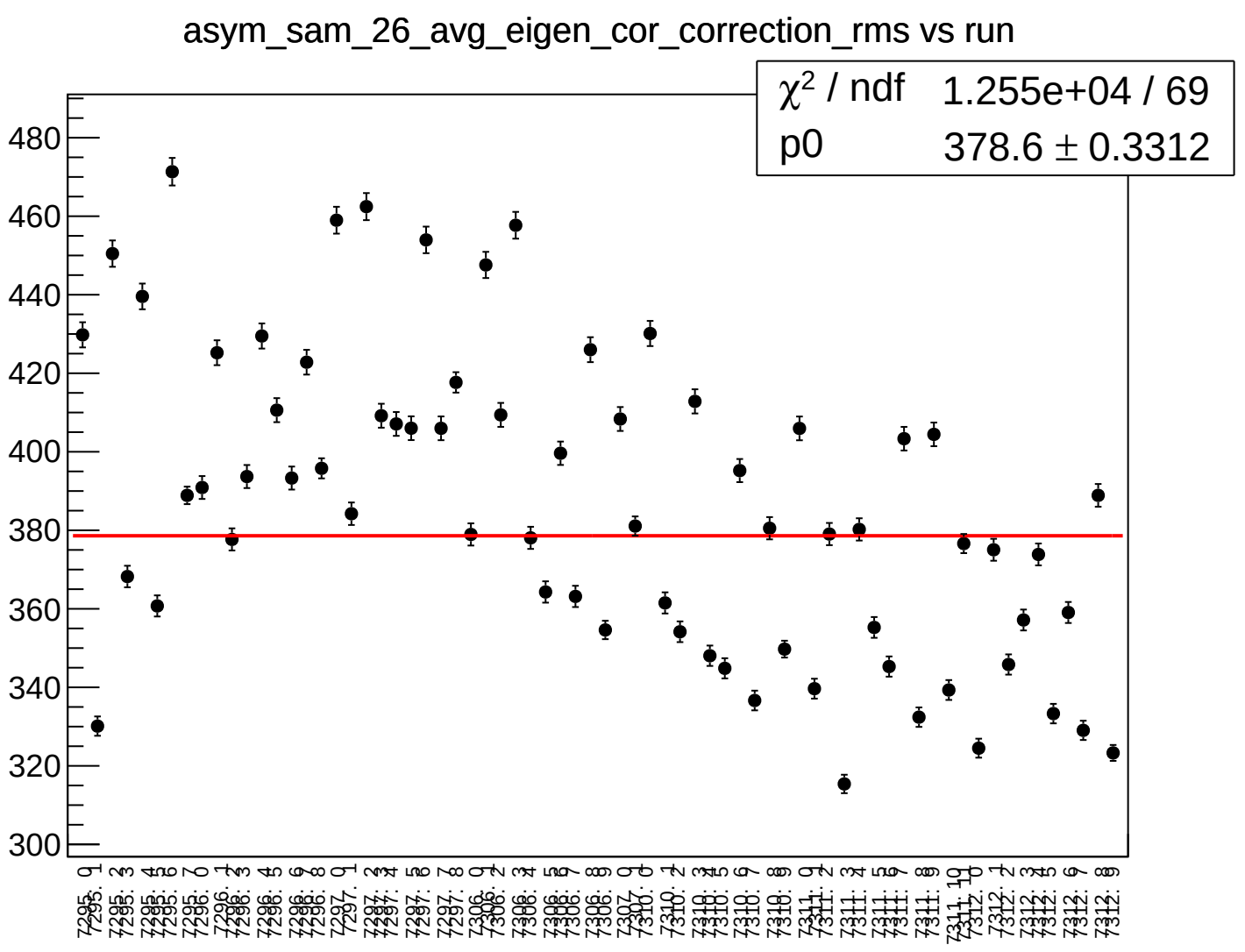
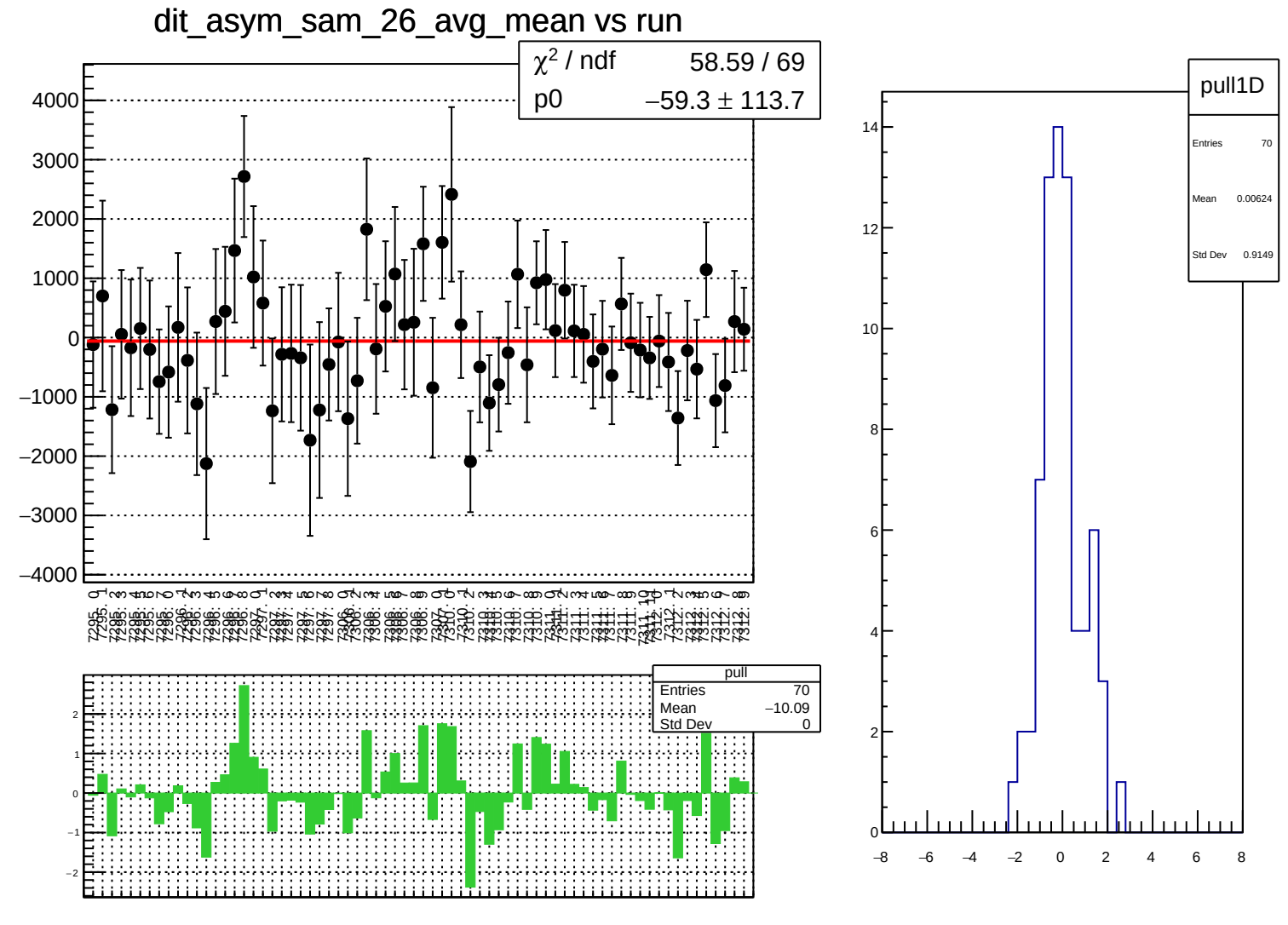
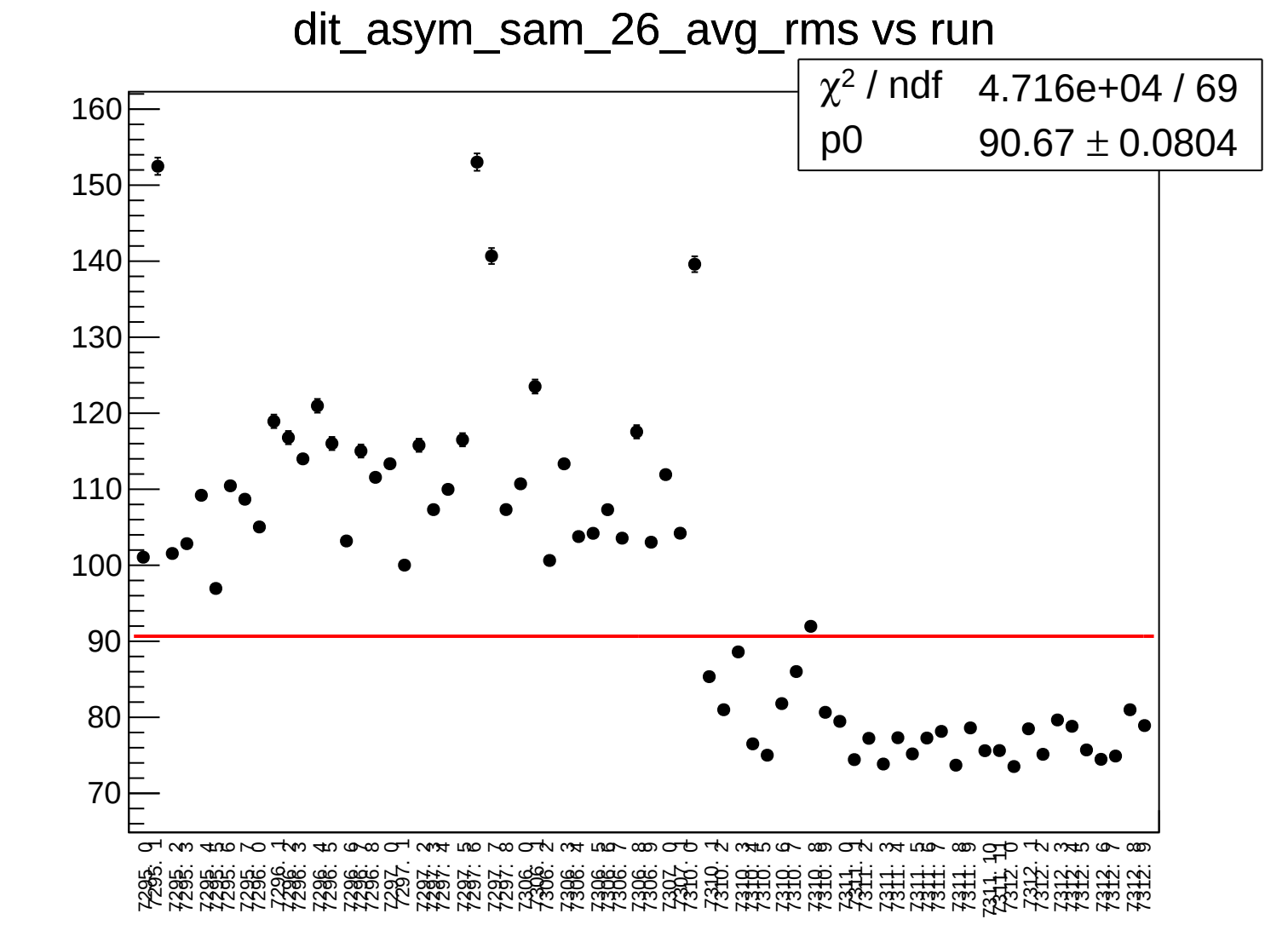
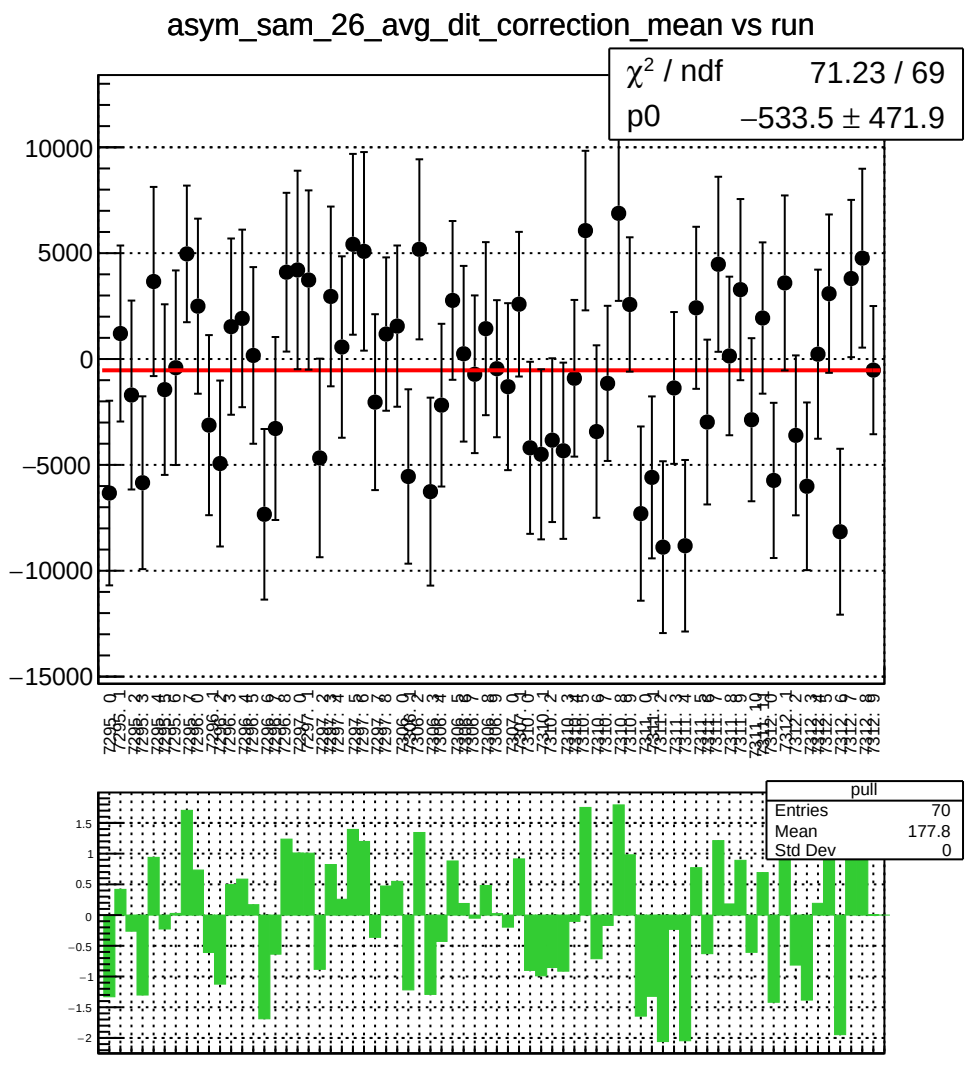
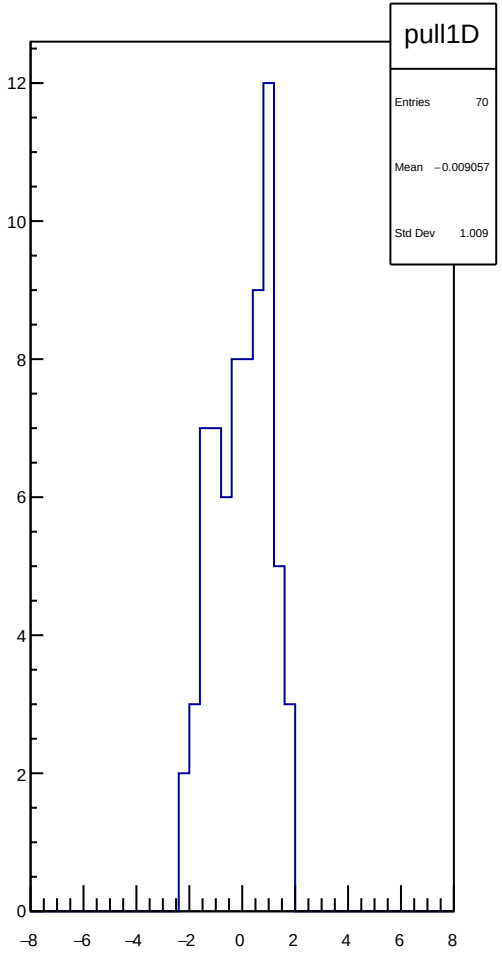
2
4
6
8

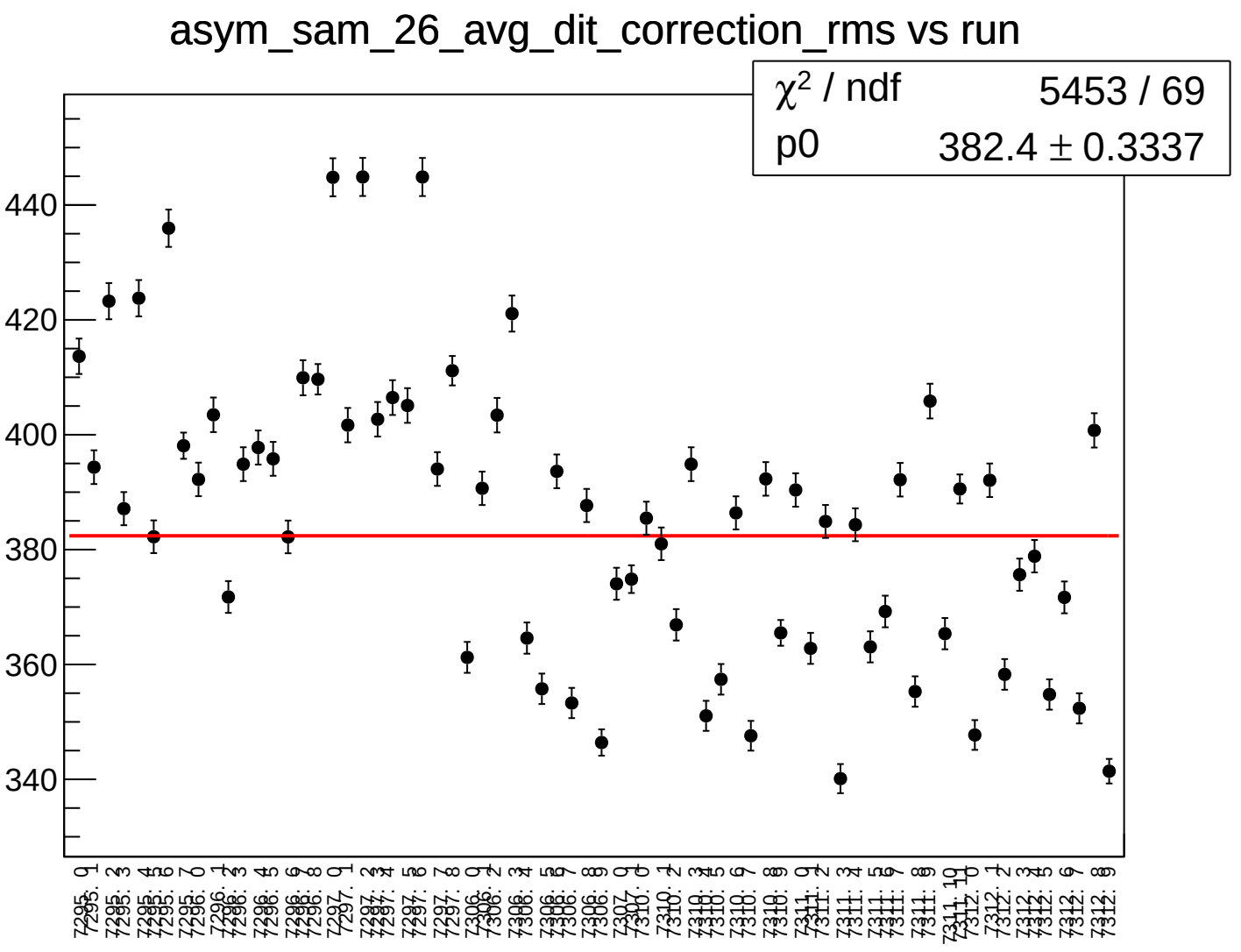

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.255e+04 / 69
p0 378.6 ± 0.3312
480
460
440
420
400
380
360
340
320
300

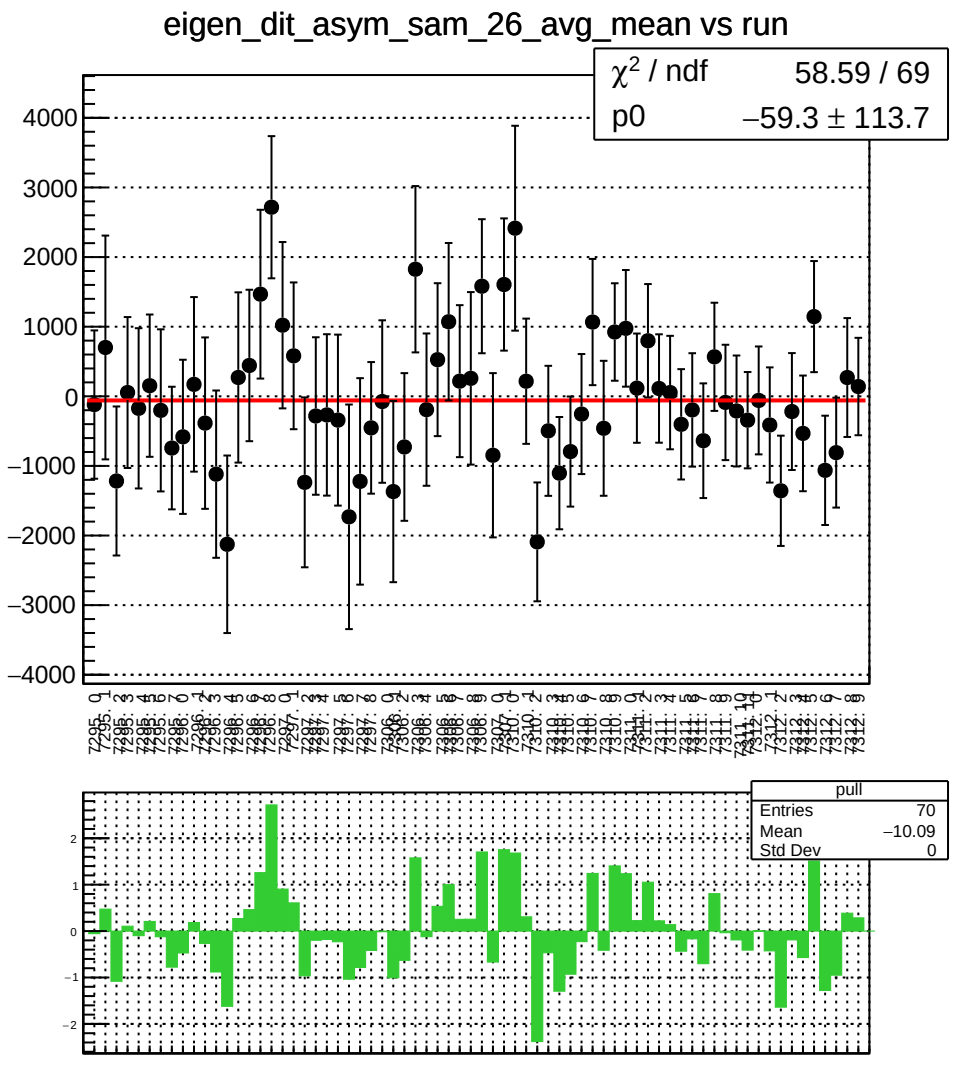

dit_asym_sam_26_avg_mean vs run
χ² / ndf 58.59 / 69
p0 −59.3 ± 113.7
pull
Entries 70
Mean −10.09
Std Dev 0
pull1D
Entries 70
Mean 0.00624
Std Dev 0.9149

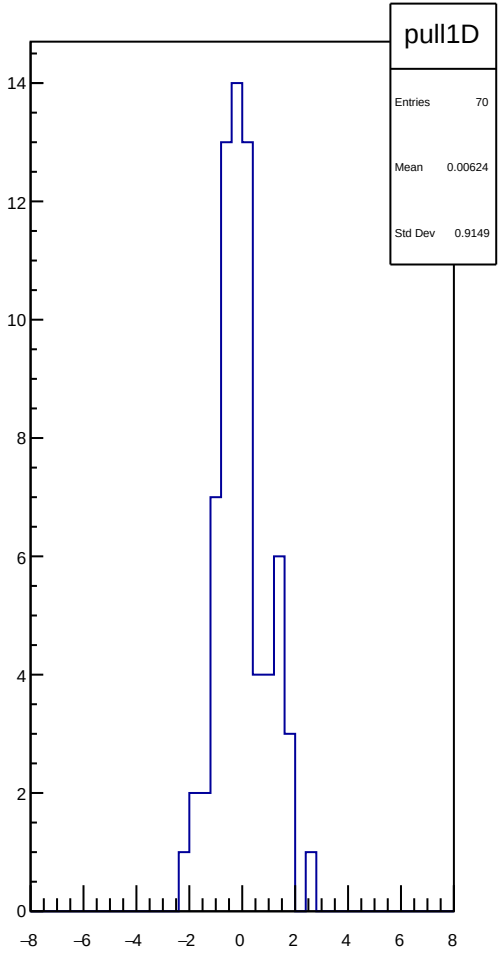

dit_asym_sam_26_avg_rms vs run
χ² / ndf 4.716e+04 / 69
p0 90.67 ± 0.0804
160
150
140
130
120
110
100
90
80
70

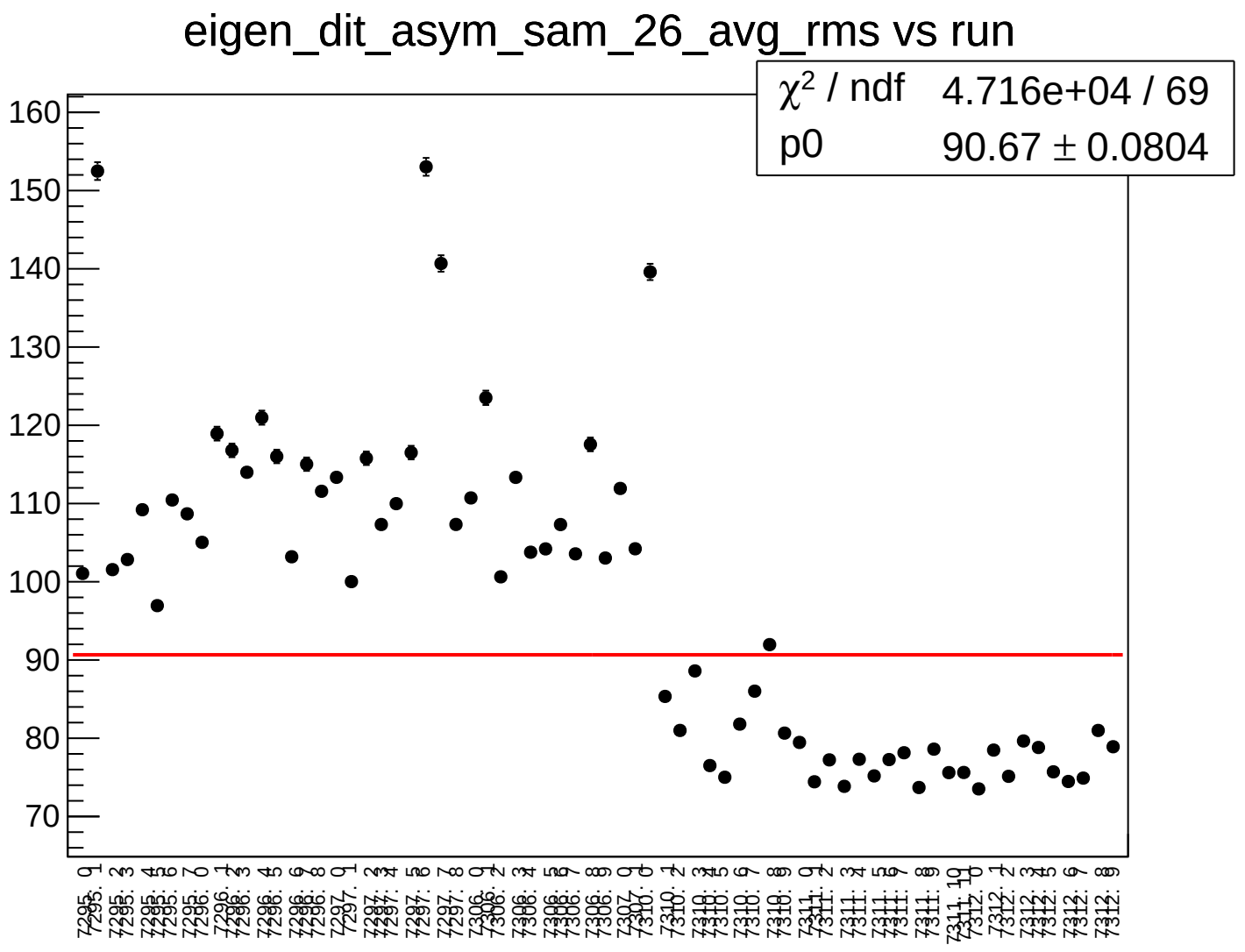

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 71.23 / 69
p0 −533.5 ± 471.9
pull
Entries 70
Mean 177.8
Std Dev 0

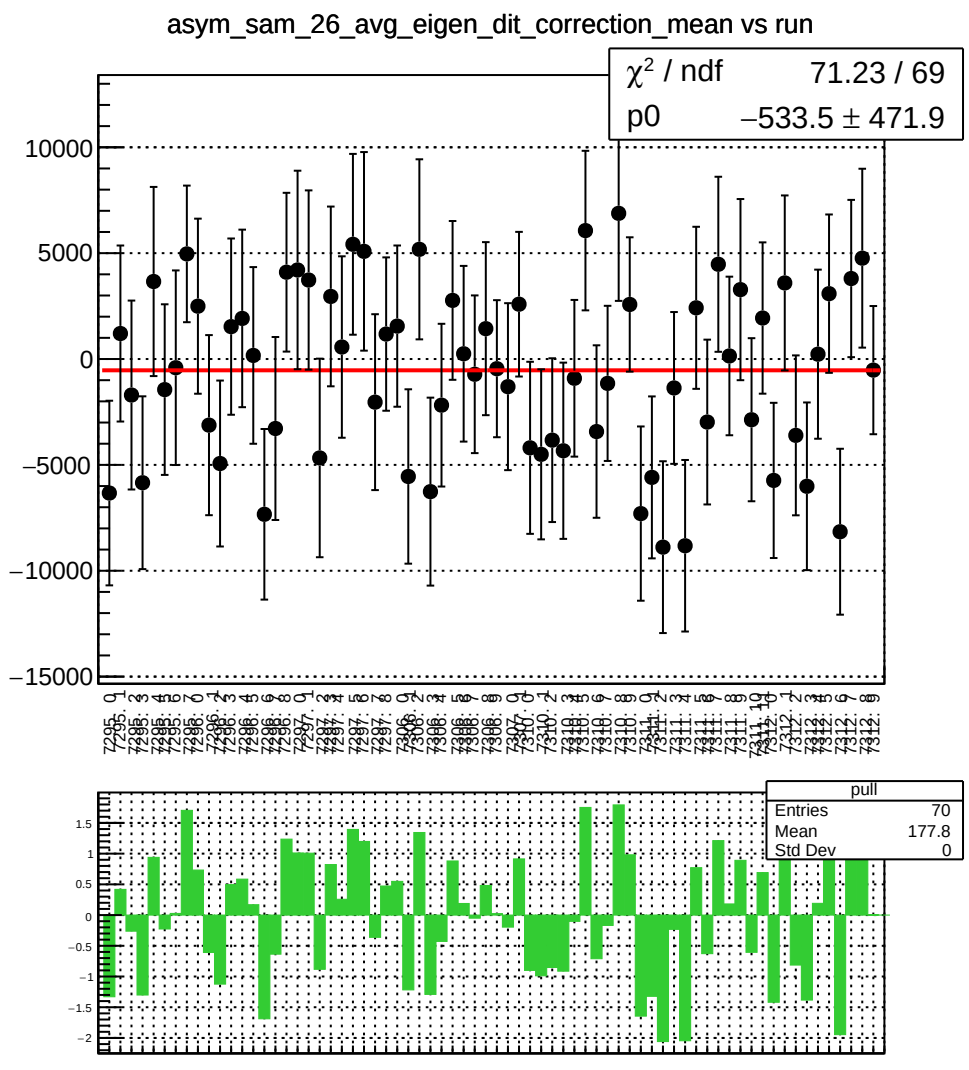

pull1D
Entries 70
Mean −0.009057
Std Dev 1.009

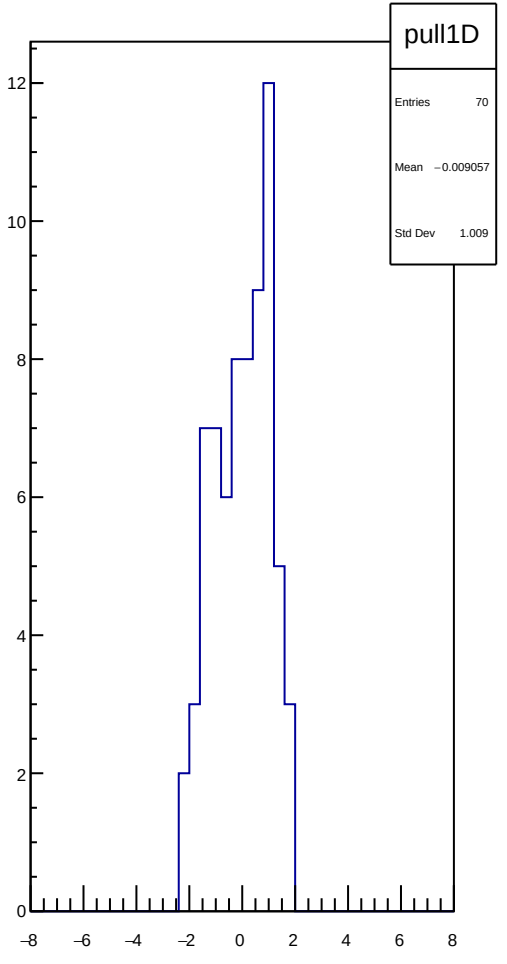

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 5453 / 69
p0 382.4 ± 0.3337
440
420
400
380
360
340

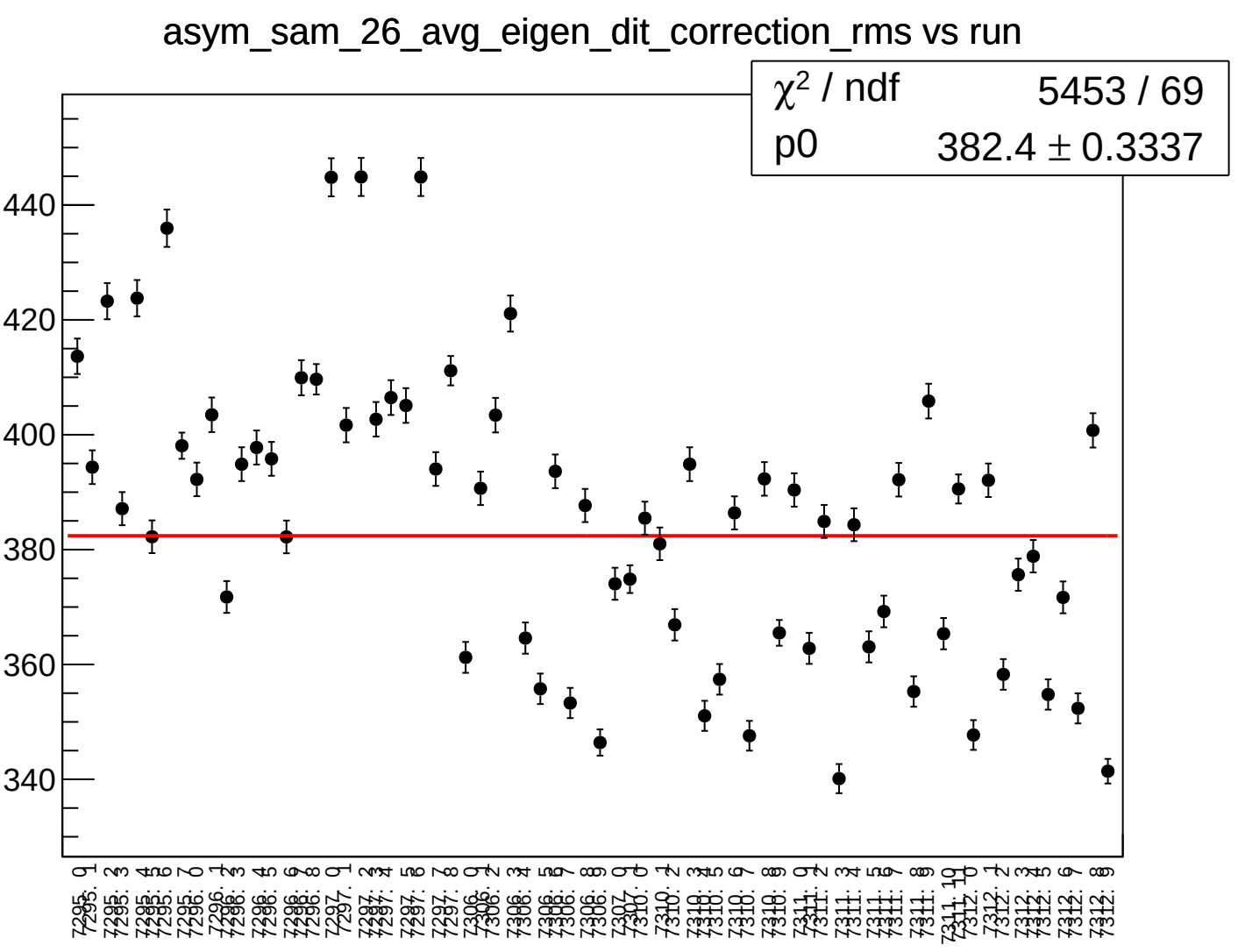

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 58.59 / 69
p0 −59.3 ± 113.7
pull
Entries 70
Mean −10.09
Std Dev 0

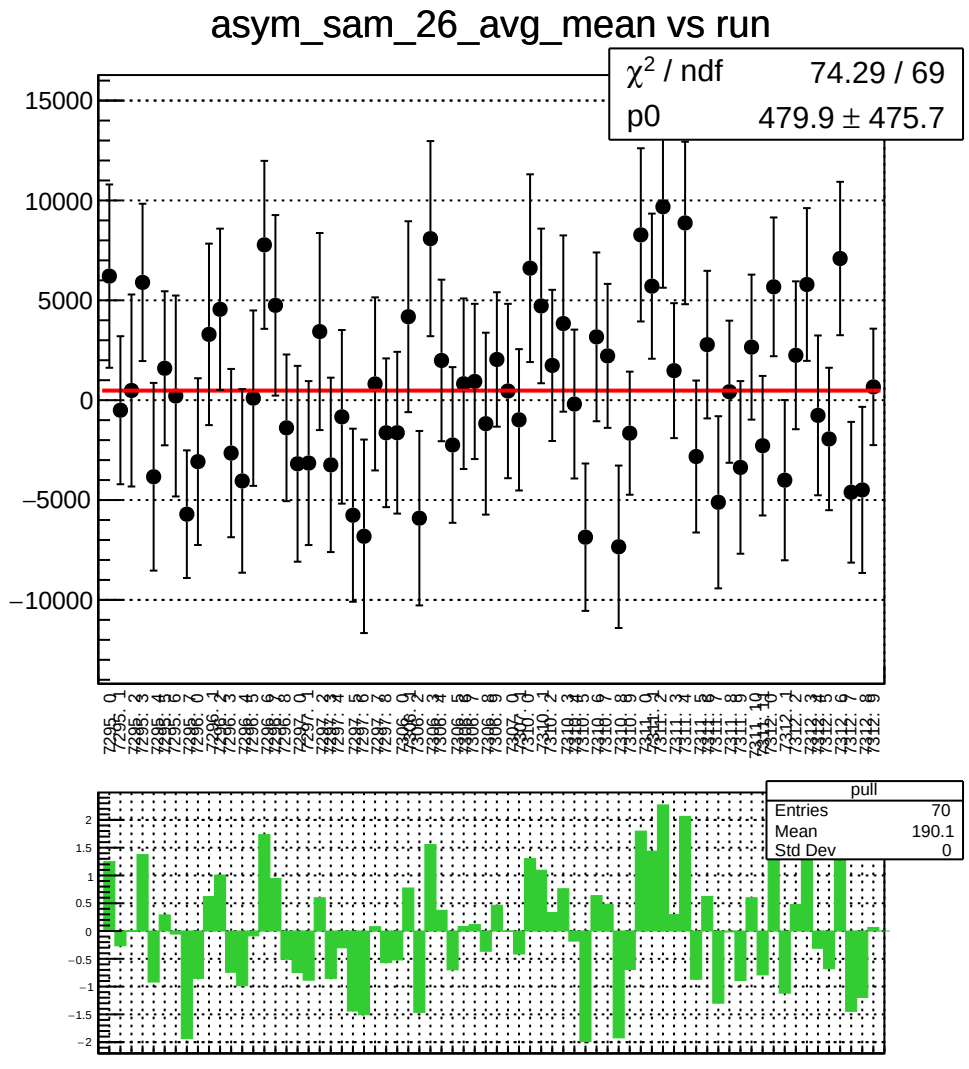

pull1D
Entries 70
Mean 0.00624
Std Dev 0.9149

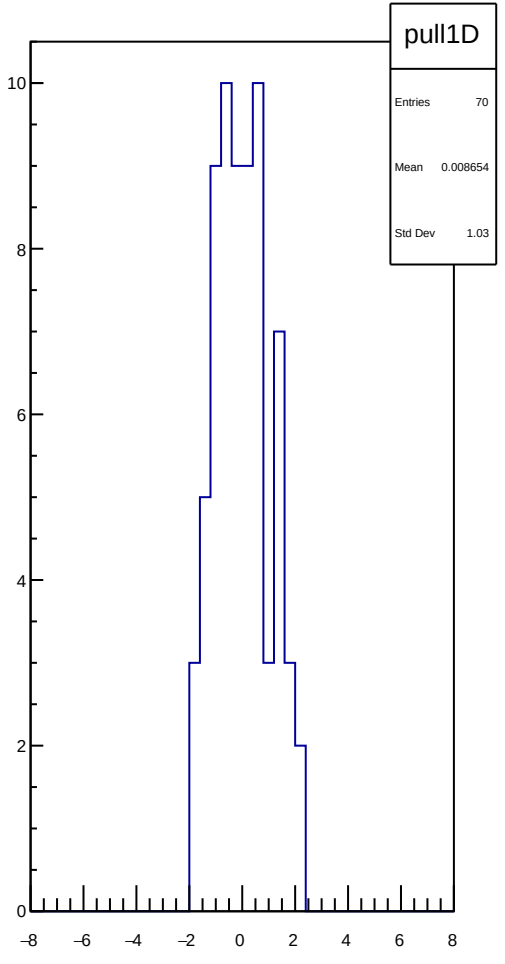

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 4.716e+04 / 69
p0 90.67 ± 0.0804
160
150
140
130
120
110
100
90
80
70

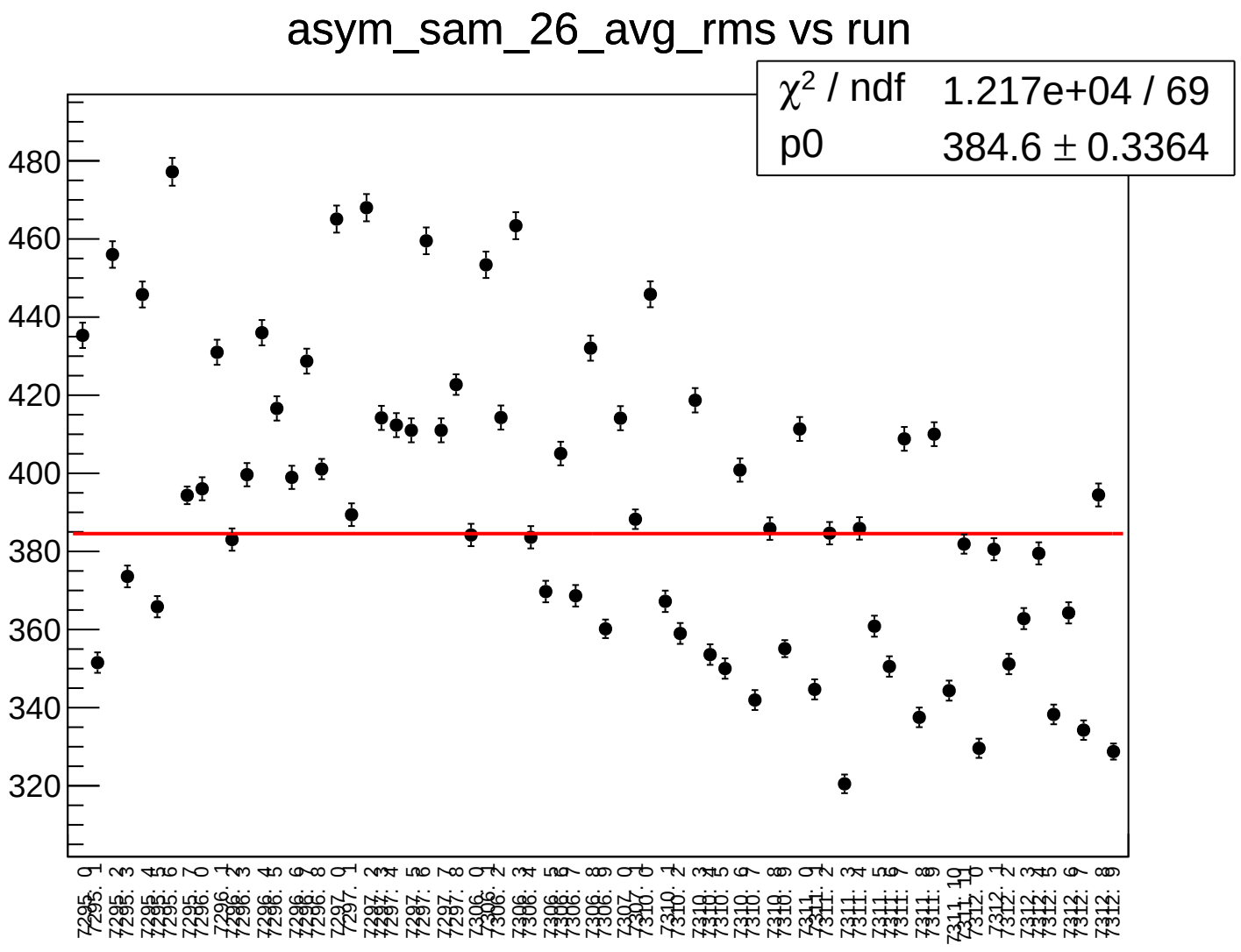

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.23 / 69
p0 −533.5 ± 471.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 177.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

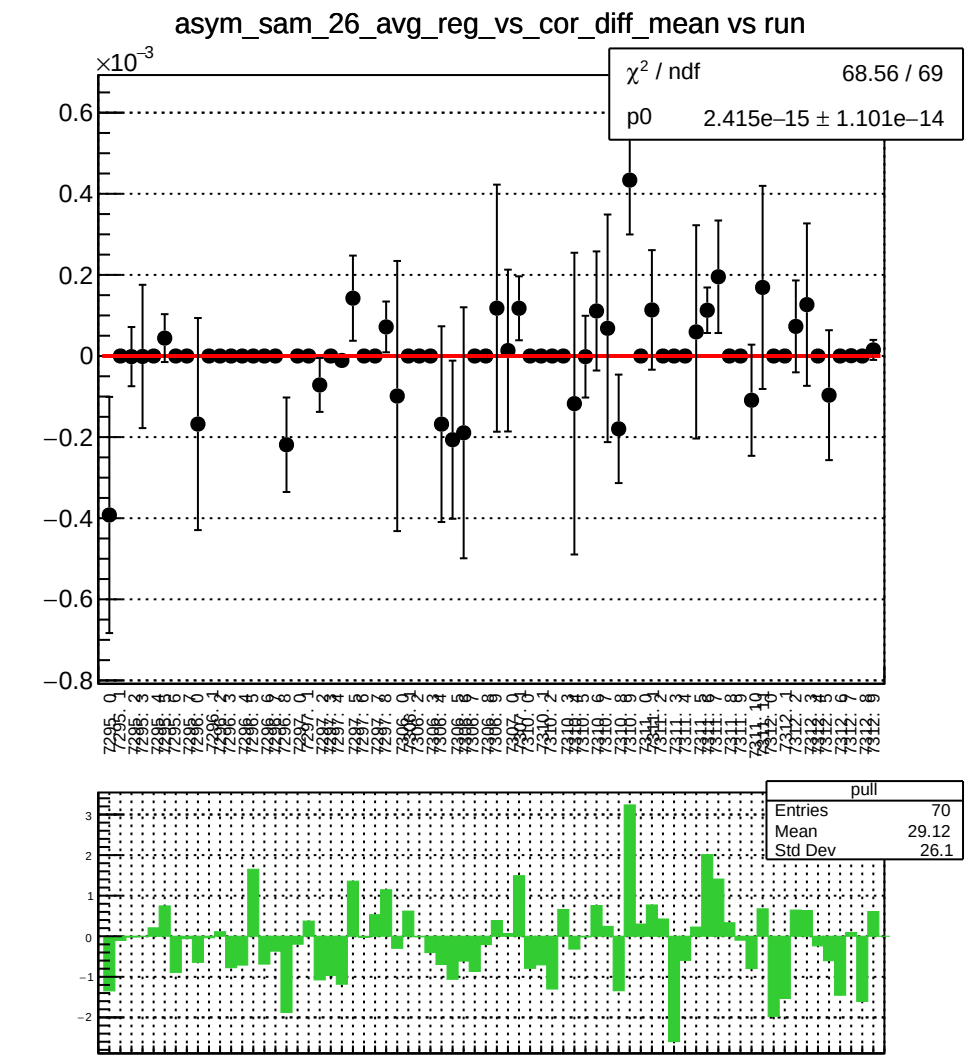

pull1D
Entries 70
Mean −0.009057
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

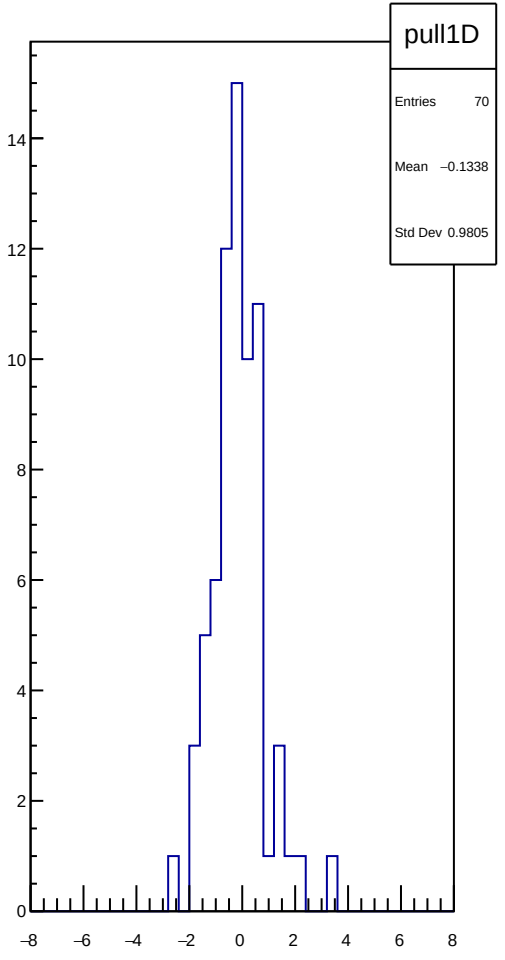

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 5453 / 69
p0 382.4 ± 0.3337
440
420
400
380
360
340

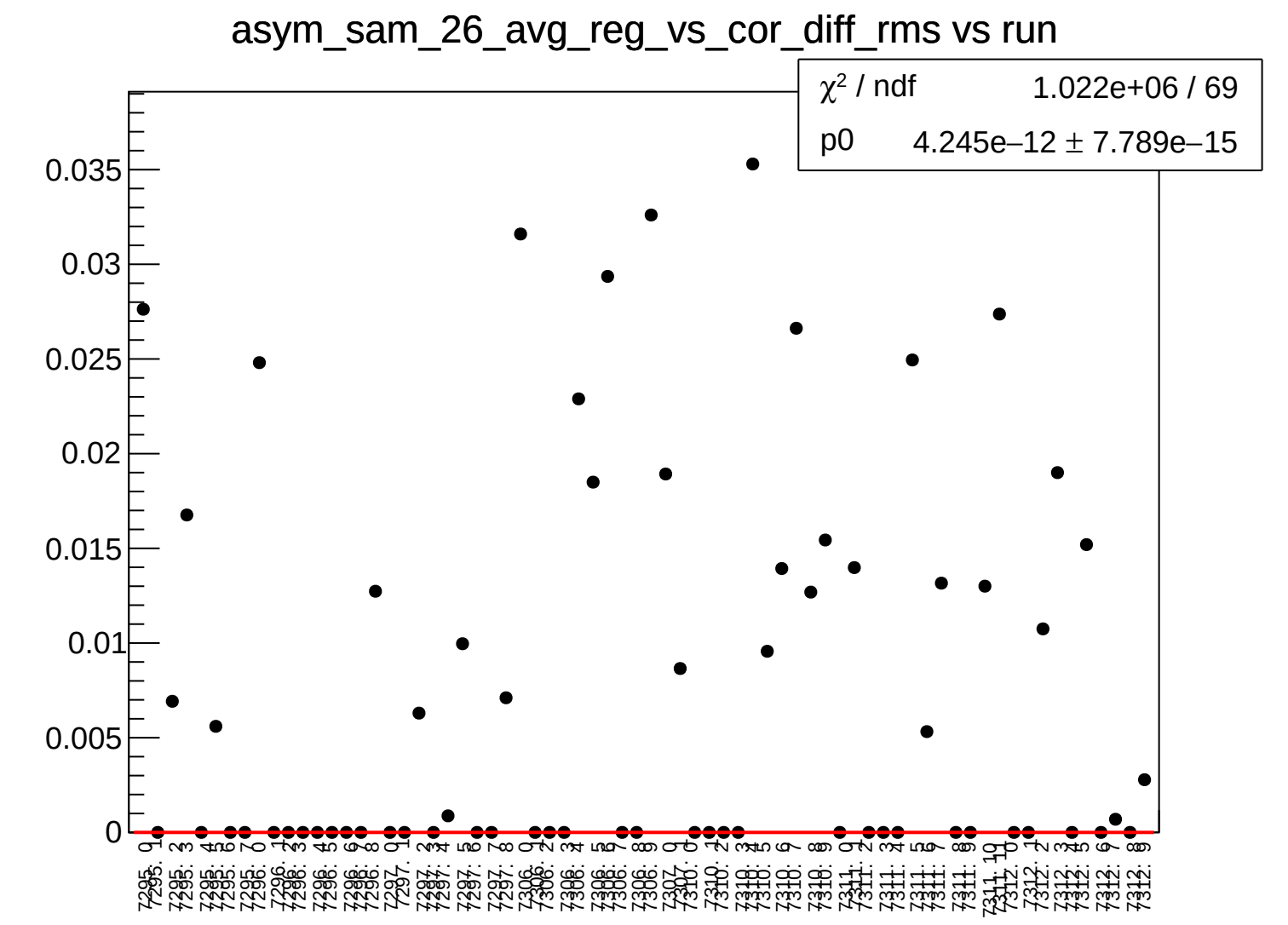

asym_sam_26_avg_mean vs run
χ^2 / ndf 74.29 / 69
p0 479.9 ± 475.7
pull
Entries 70
Mean 190.1
Std Dev 0

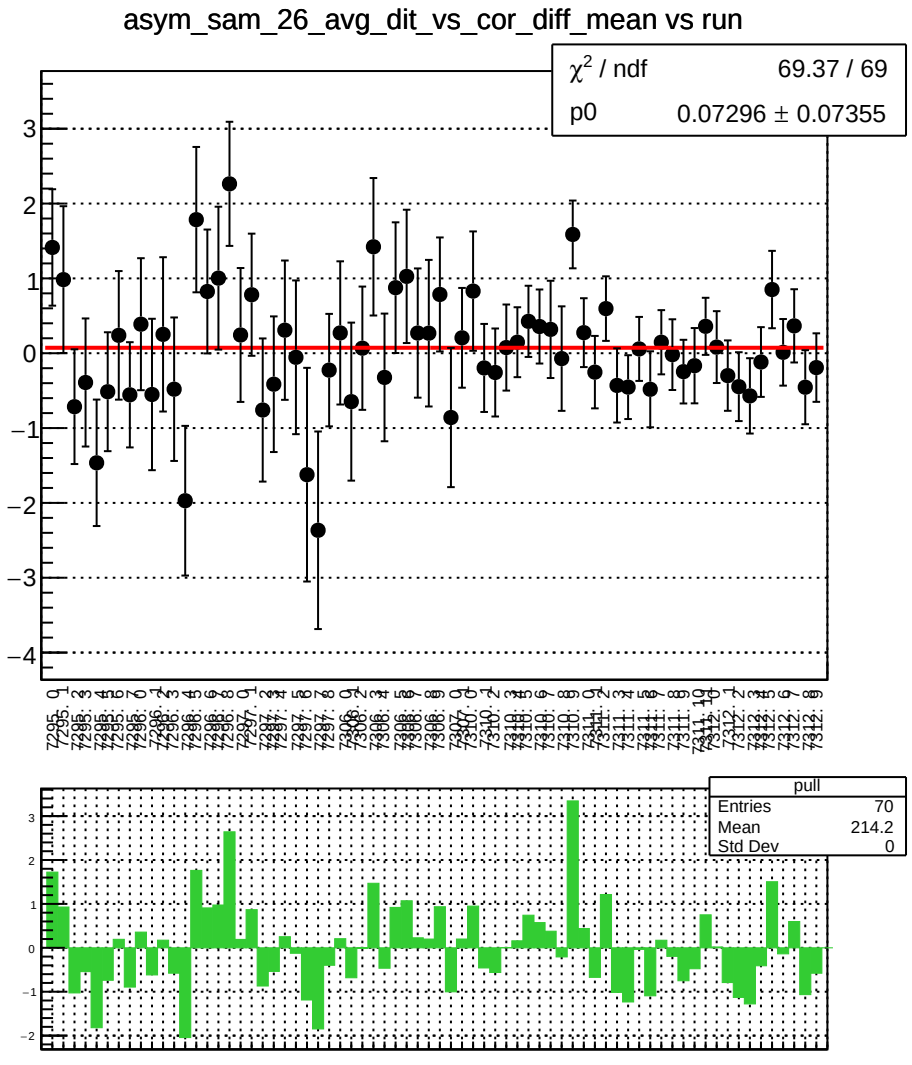

pull1D
Entries 70
Mean 0.008654
Std Dev 1.03

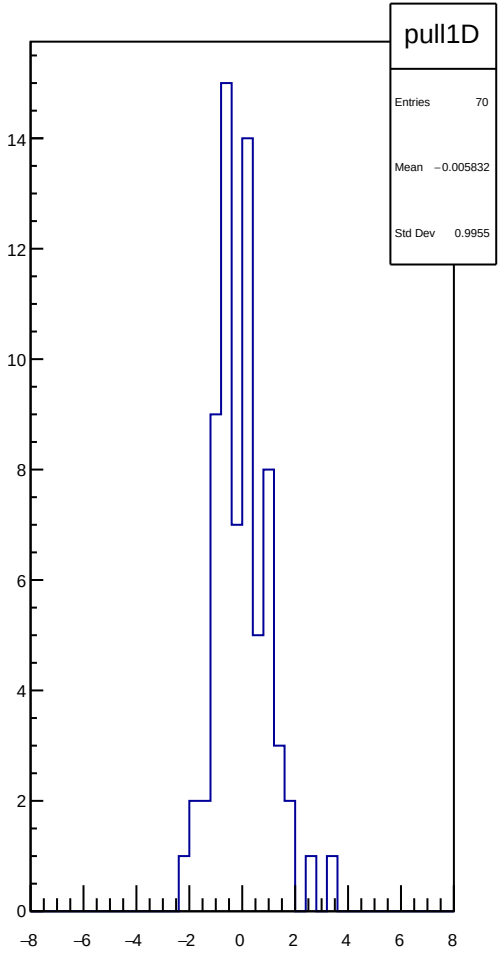

asym_sam_26_avg_rms vs run
χ² / ndf 1.217e+04 / 69
p0 384.6 ± 0.3364
480
460
440
420
400
380
360
340
320

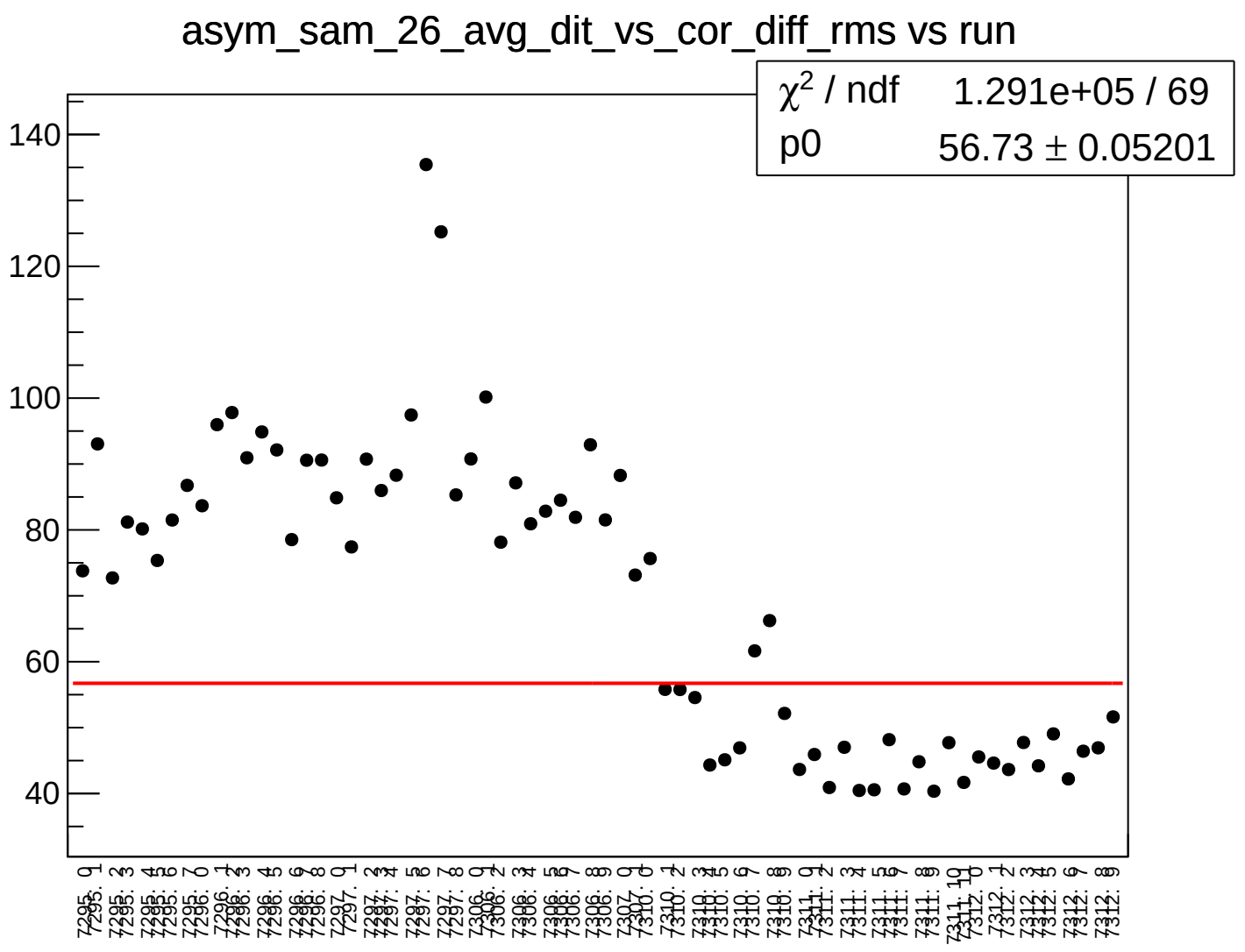

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 68.56 / 69
p0 2.415e−15 ± 1.101e−14
pull
Entries 70
Mean 29.12
Std Dev 26.1

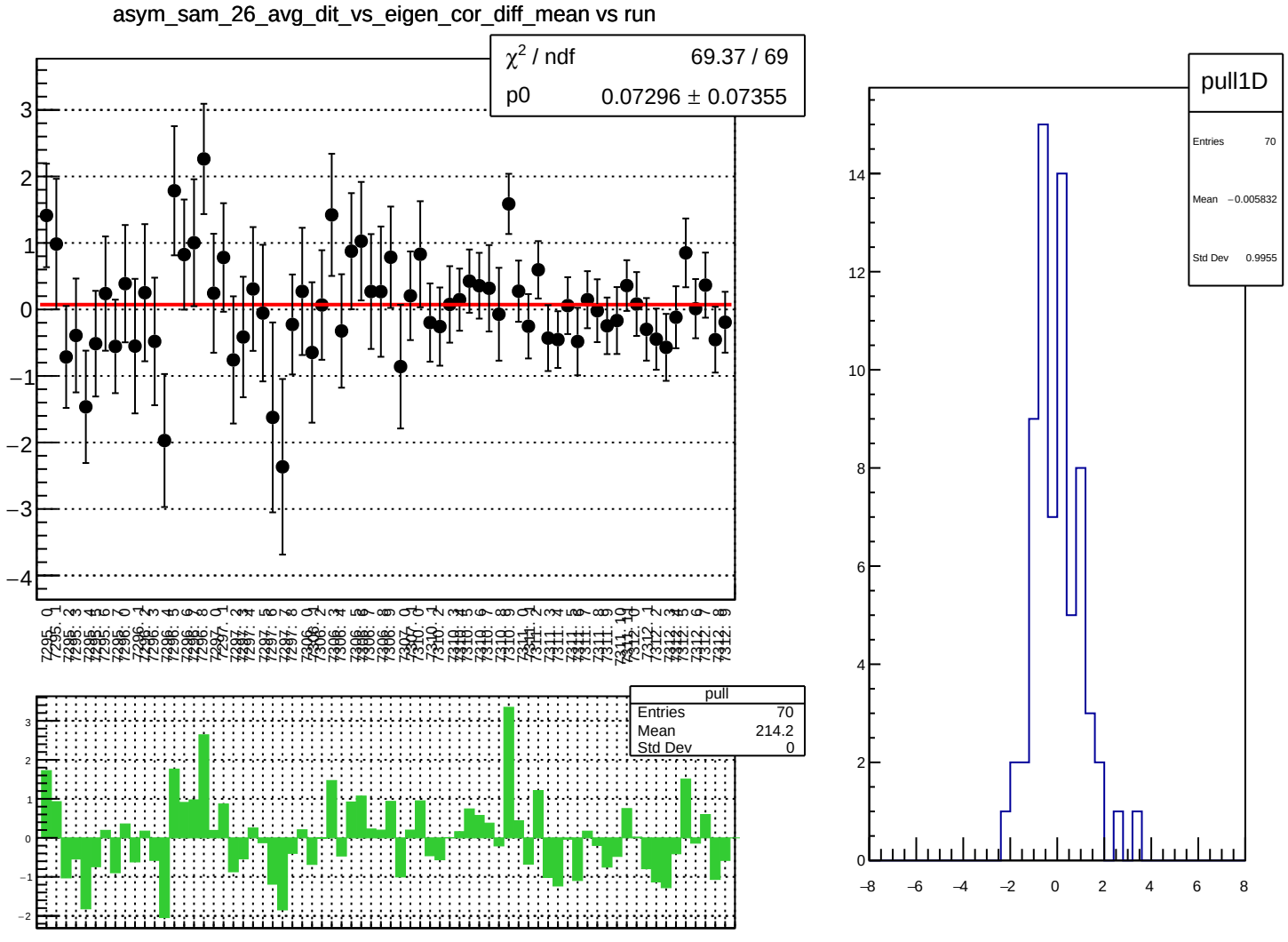

pull1D
Entries 70
Mean −0.1338
Std Dev 0.9805

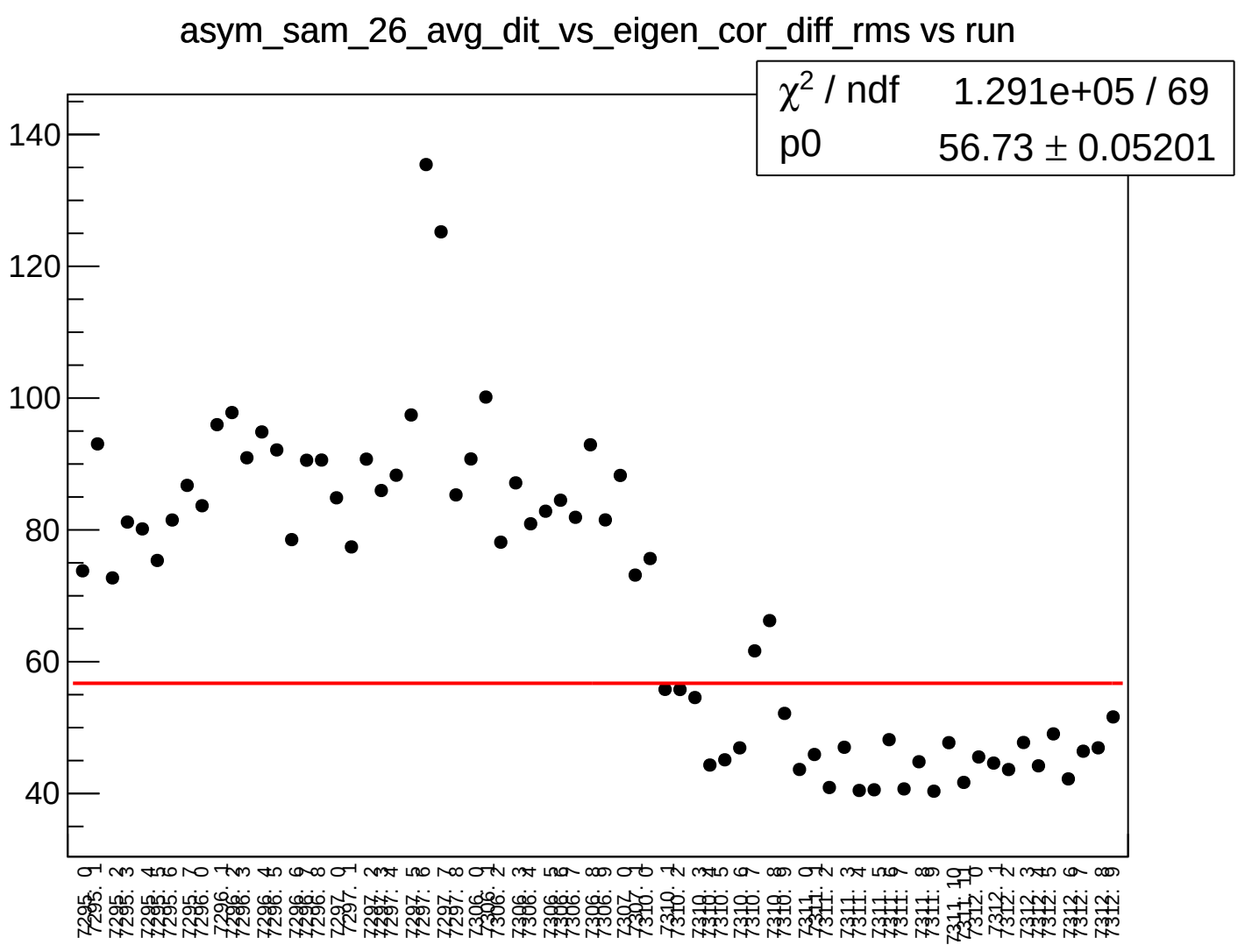

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.022e+06 / 69
p0 4.245e−12 ± 7.789e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

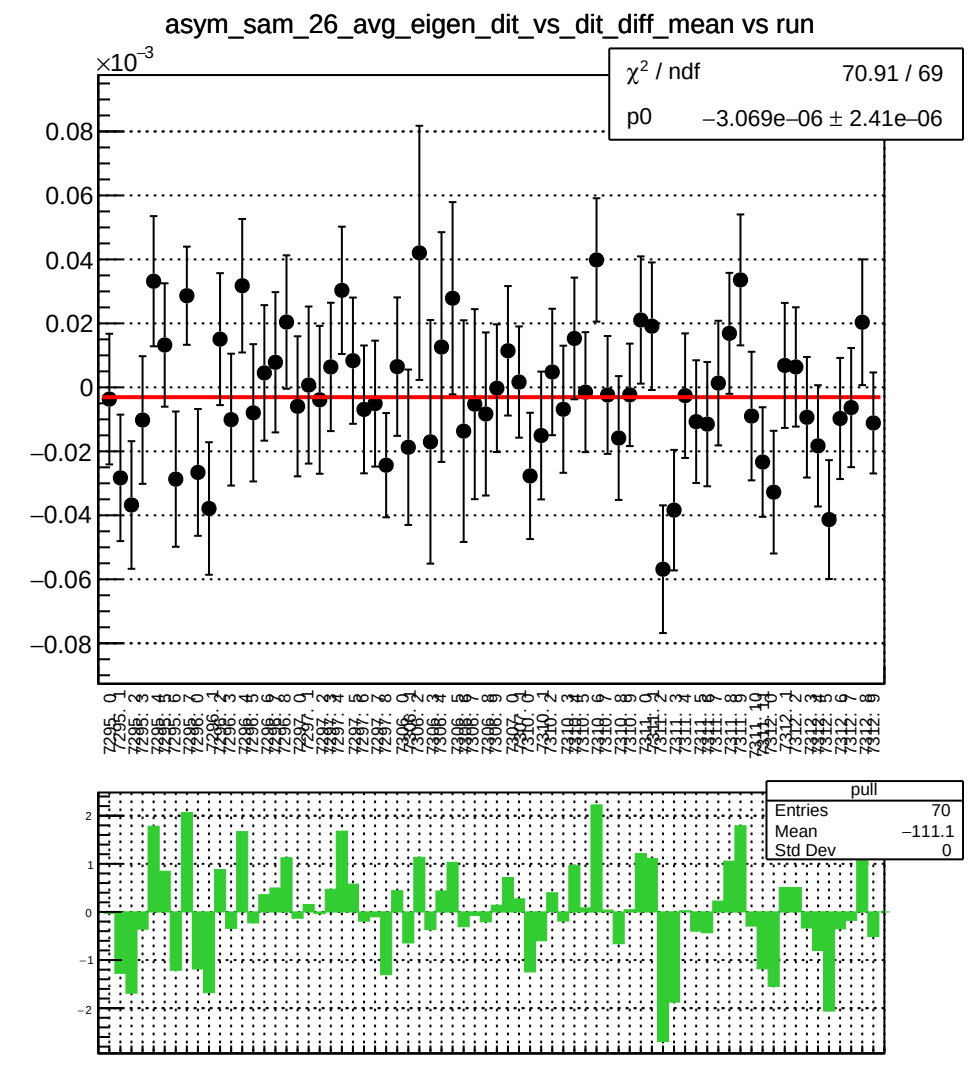

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.37 / 69
p0 0.07296 ± 0.07355
pull
Entries 70
Mean 214.2
Std Dev 0

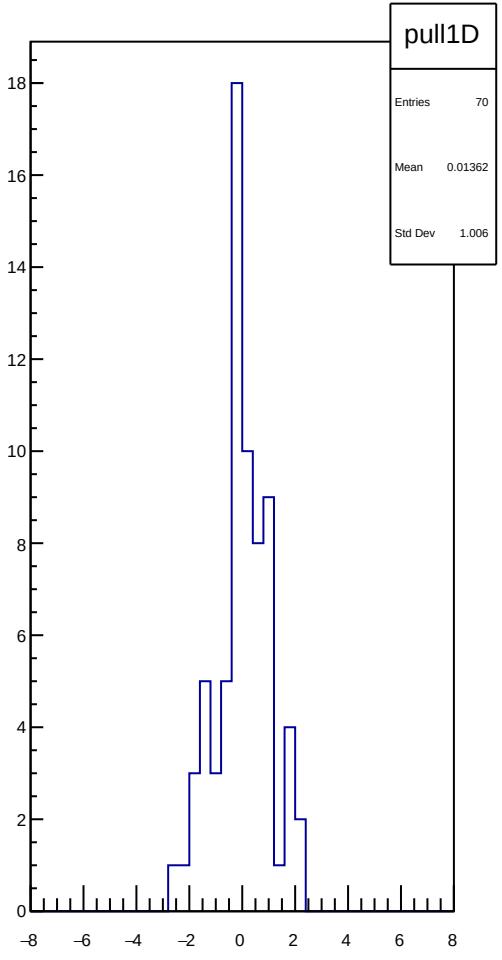

pull1D
Entries 70
Mean −0.005832
Std Dev 0.9955

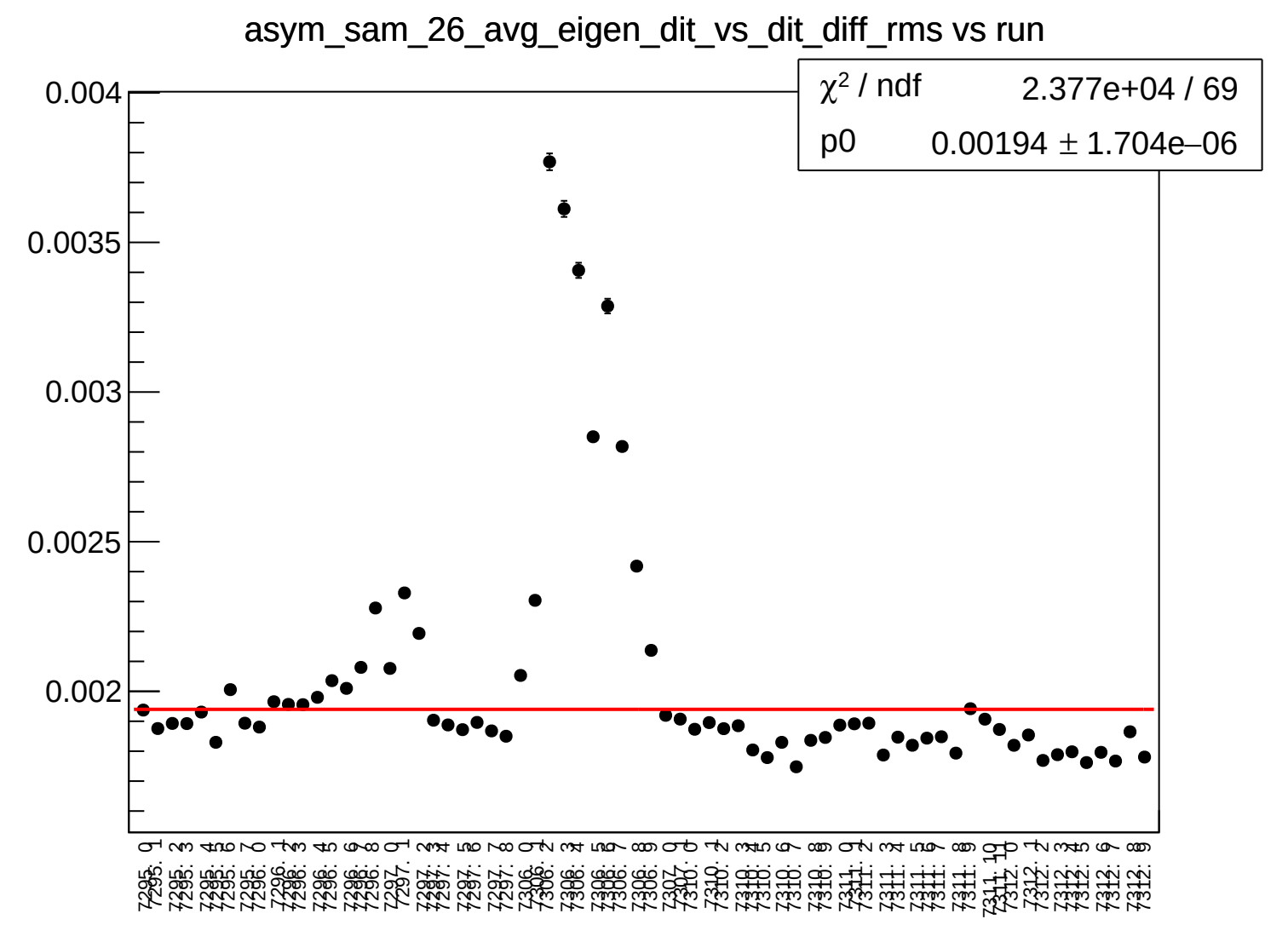

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.291e+05 / 69
p0 56.73 ± 0.05201
140
120
100
80
60
40

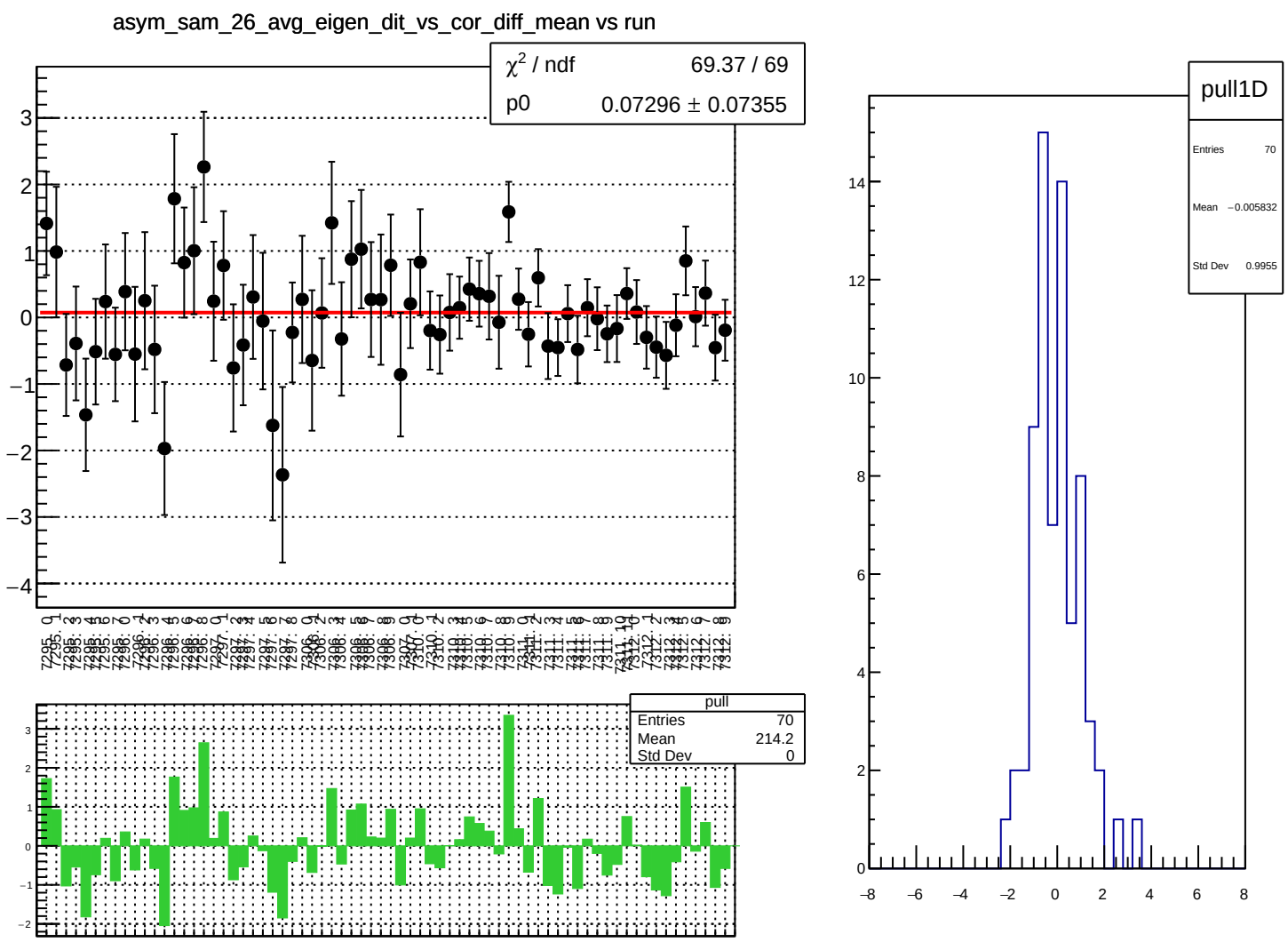

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.37 / 69
p0 0.07296 ± 0.07355
pull
Entries 70
Mean 214.2
Std Dev 0
pull1D
Entries 70
Mean −0.005832
Std Dev 0.9955

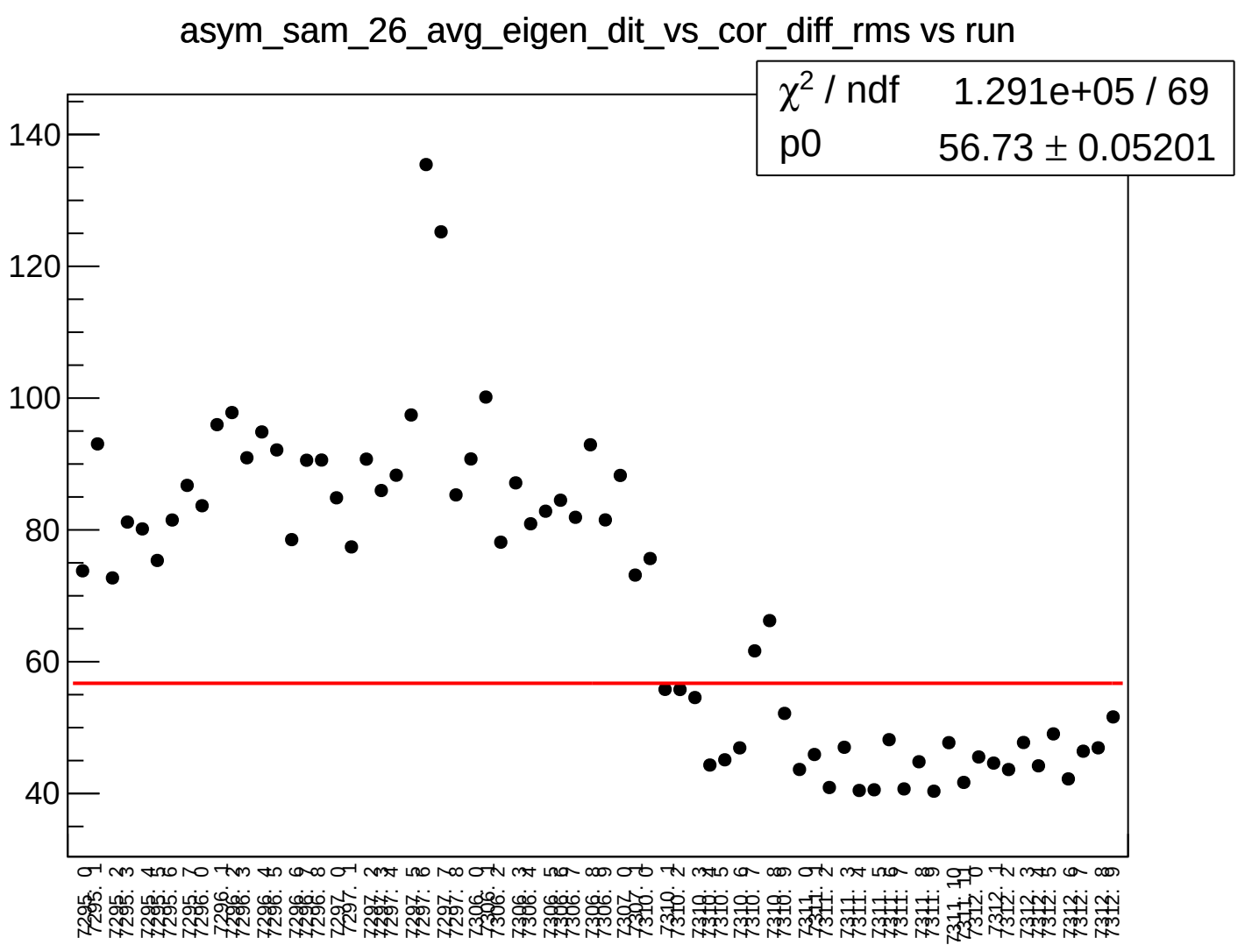

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.291e+05 / 69
p0 56.73 ± 0.05201
140
120
100
80
60
40

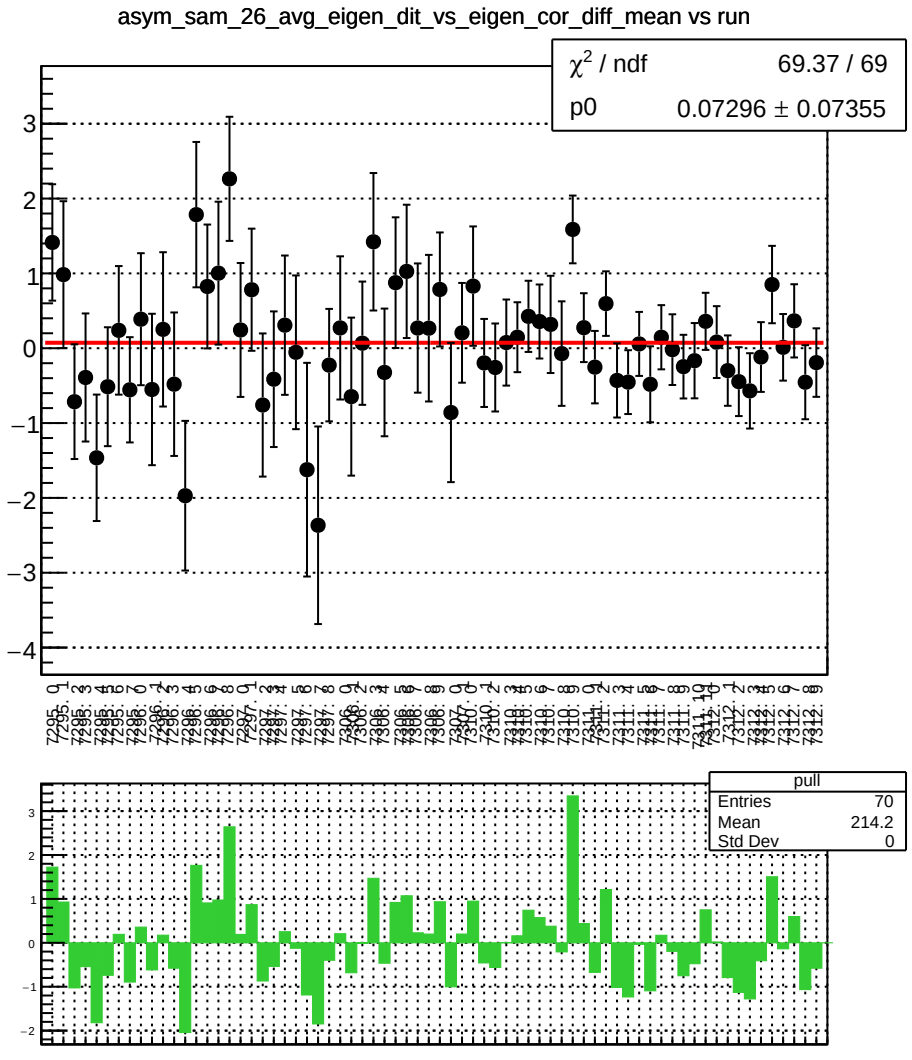

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.91 / 69
p0 −3.069e−06 ± 2.41e−06
pull
Entries 70
Mean −111.1
Std Dev 0

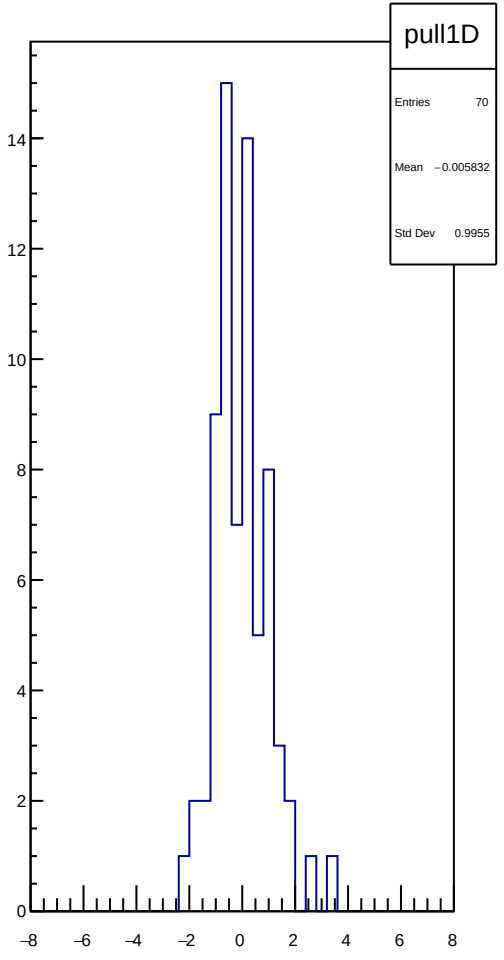

pull1D
Entries 70
Mean 0.01362
Std Dev 1.006

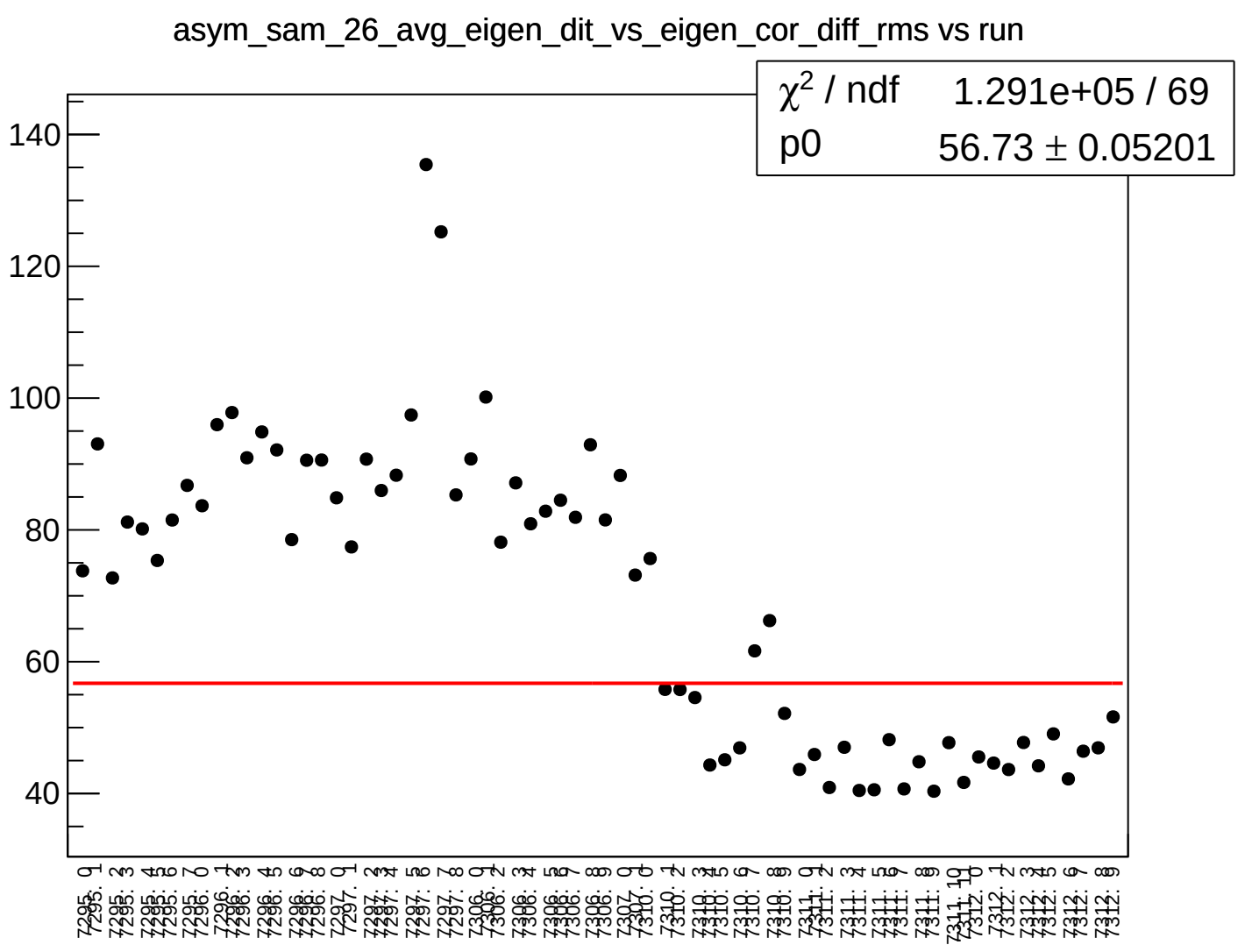

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.377e+04 / 69
p0 0.00194 ± 1.704e–06
0.004
0.0035
0.003
0.0025
0.002

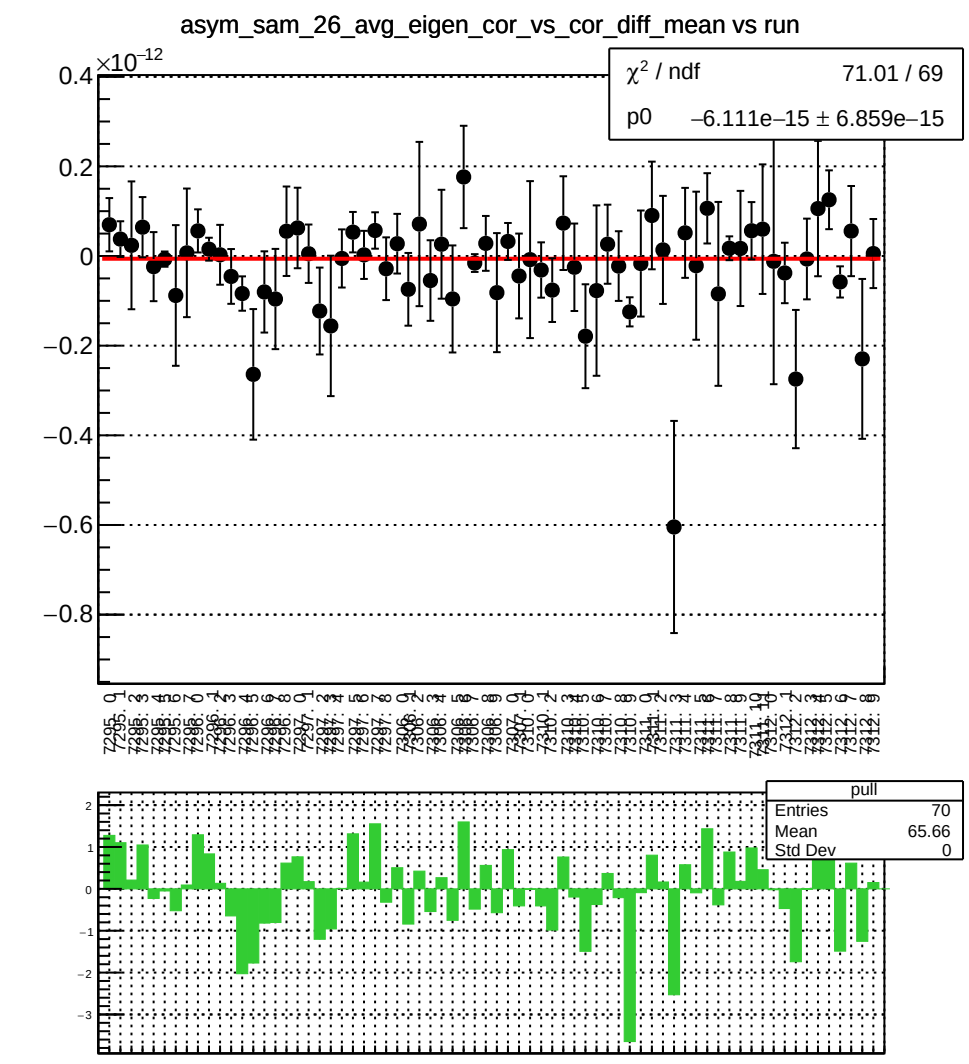

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.37 / 69
p0 0.07296 ± 0.07355
pull
Entries 70
Mean 214.2
Std Dev 0
pull1D
Entries 70
Mean −0.005832
Std Dev 0.9955

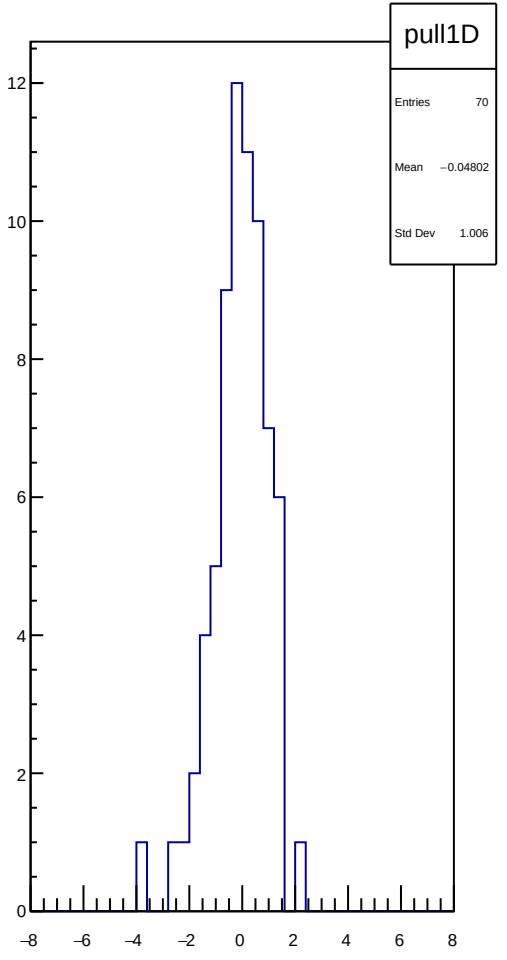

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.291e+05 / 69
p0 56.73 ± 0.05201
140
120
100
80
60
40

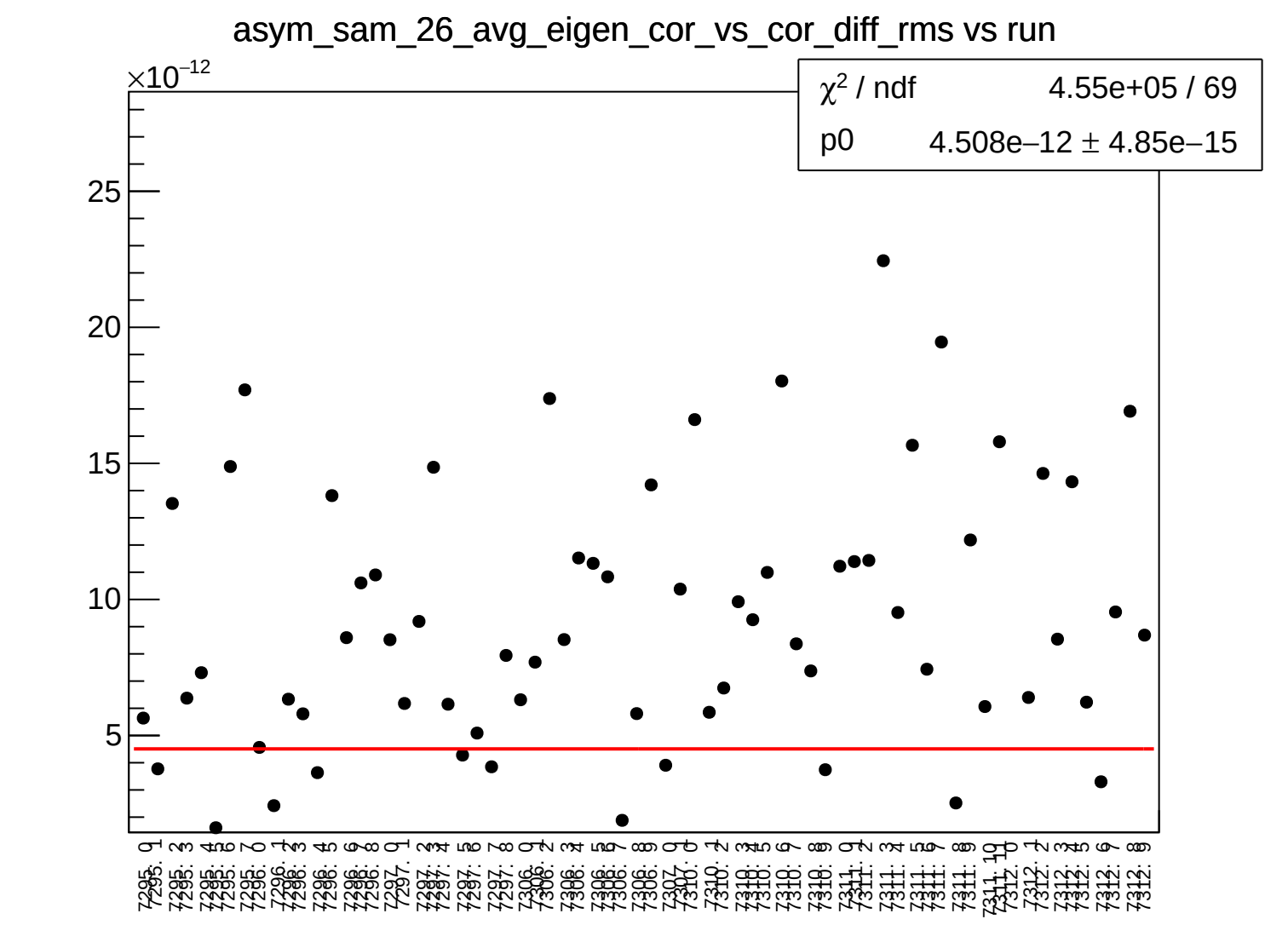

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.37 / 69
p0 0.07296 ± 0.07355
pull
Entries 70
Mean 214.2
Std Dev 0

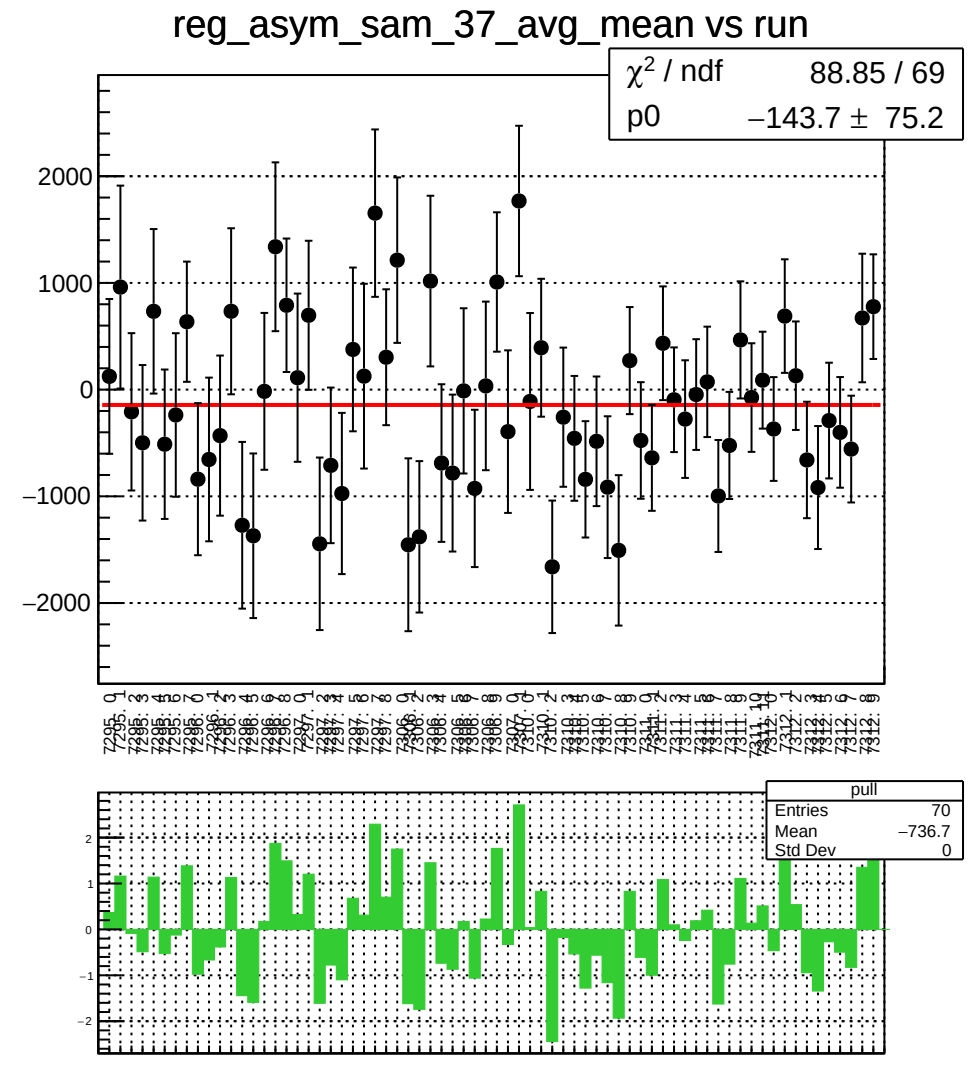

pull1D
Entries 70
Mean −0.005832
Std Dev 0.9955

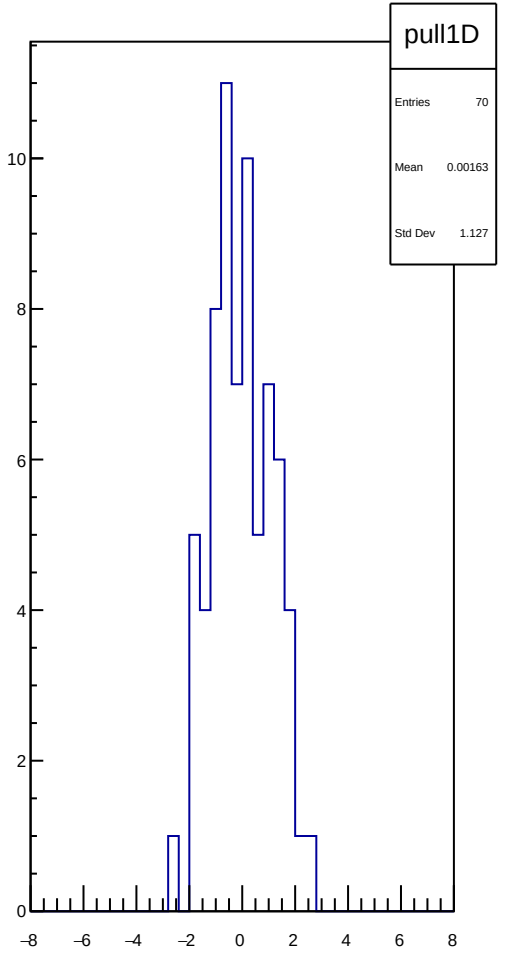

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.291e+05 / 69
p0 56.73 ± 0.05201
140
120
100
80
60
40

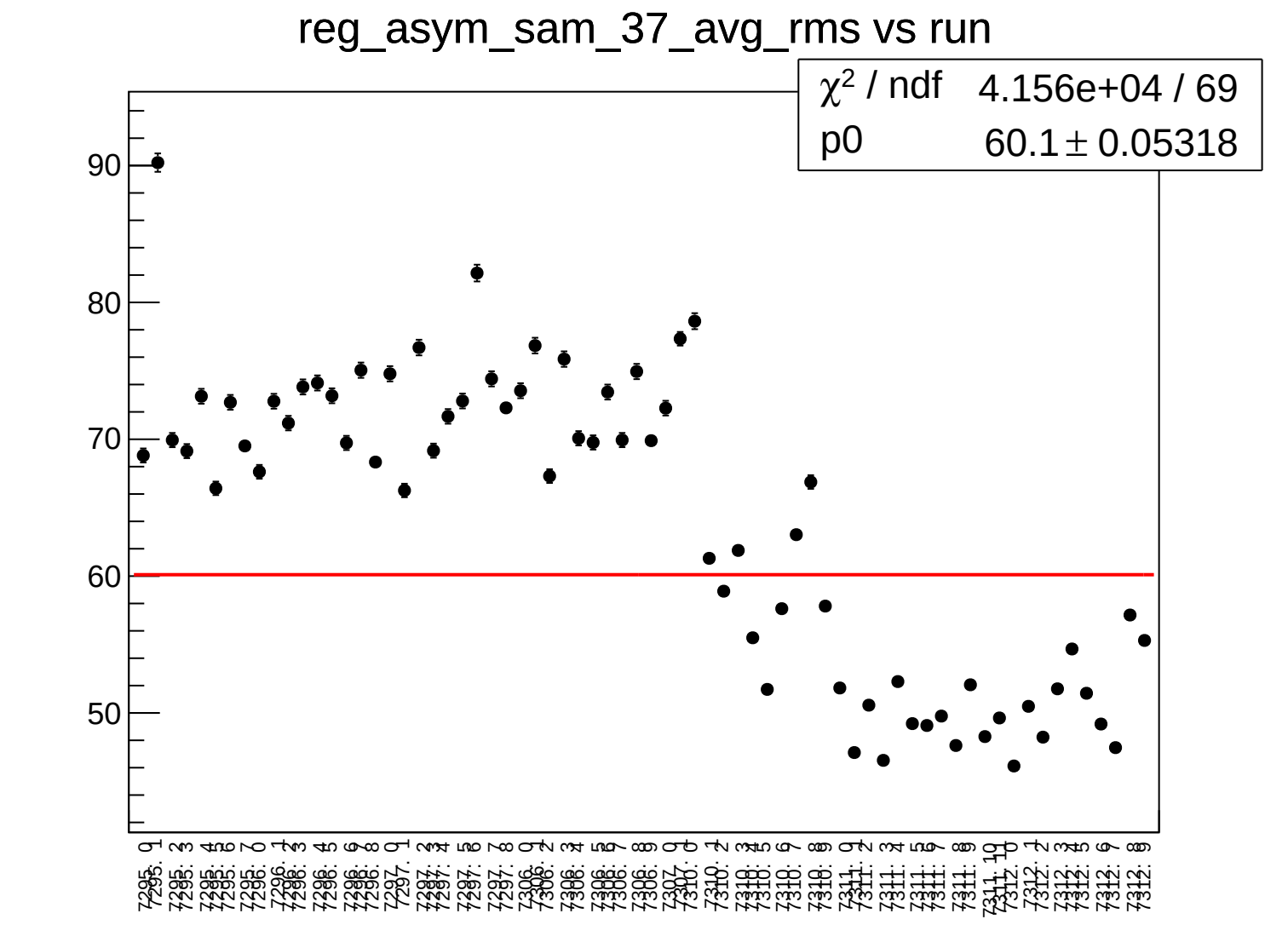

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.01 / 69
p0 −6.111e−15 ± 6.859e−15
pull
Entries 70
Mean 65.66
Std Dev 0

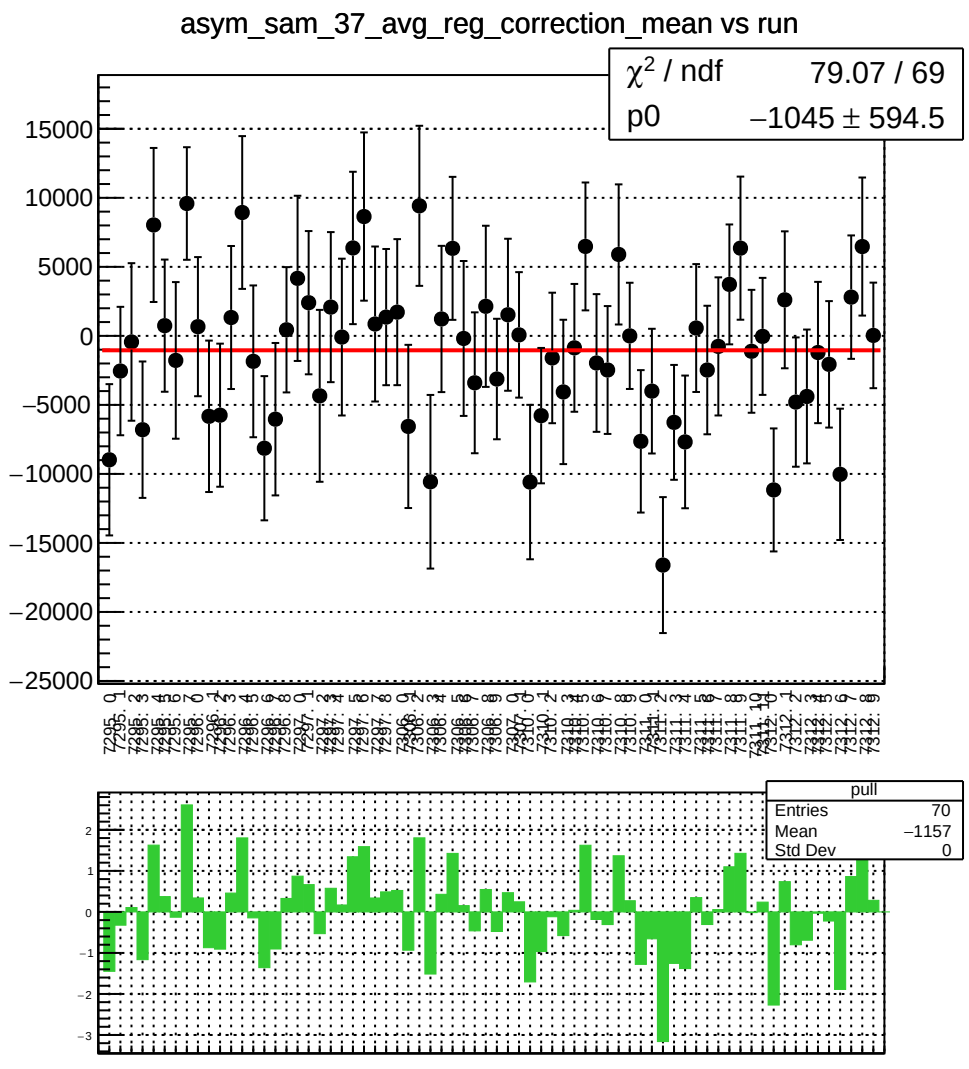

pull1D
Entries 70
Mean −0.04802
Std Dev 1.006

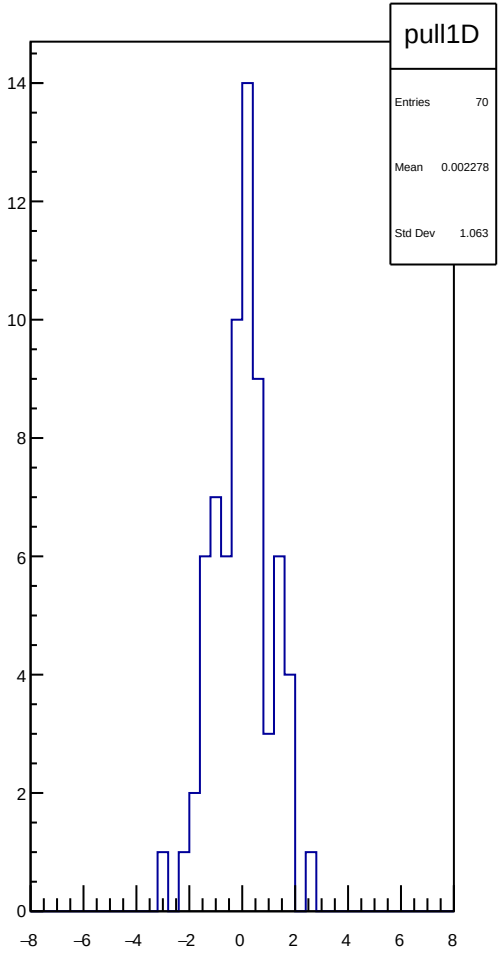

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.55e+05 / 69
p0 4.508e−12 ± 4.85e−15
25
20
15
10
5

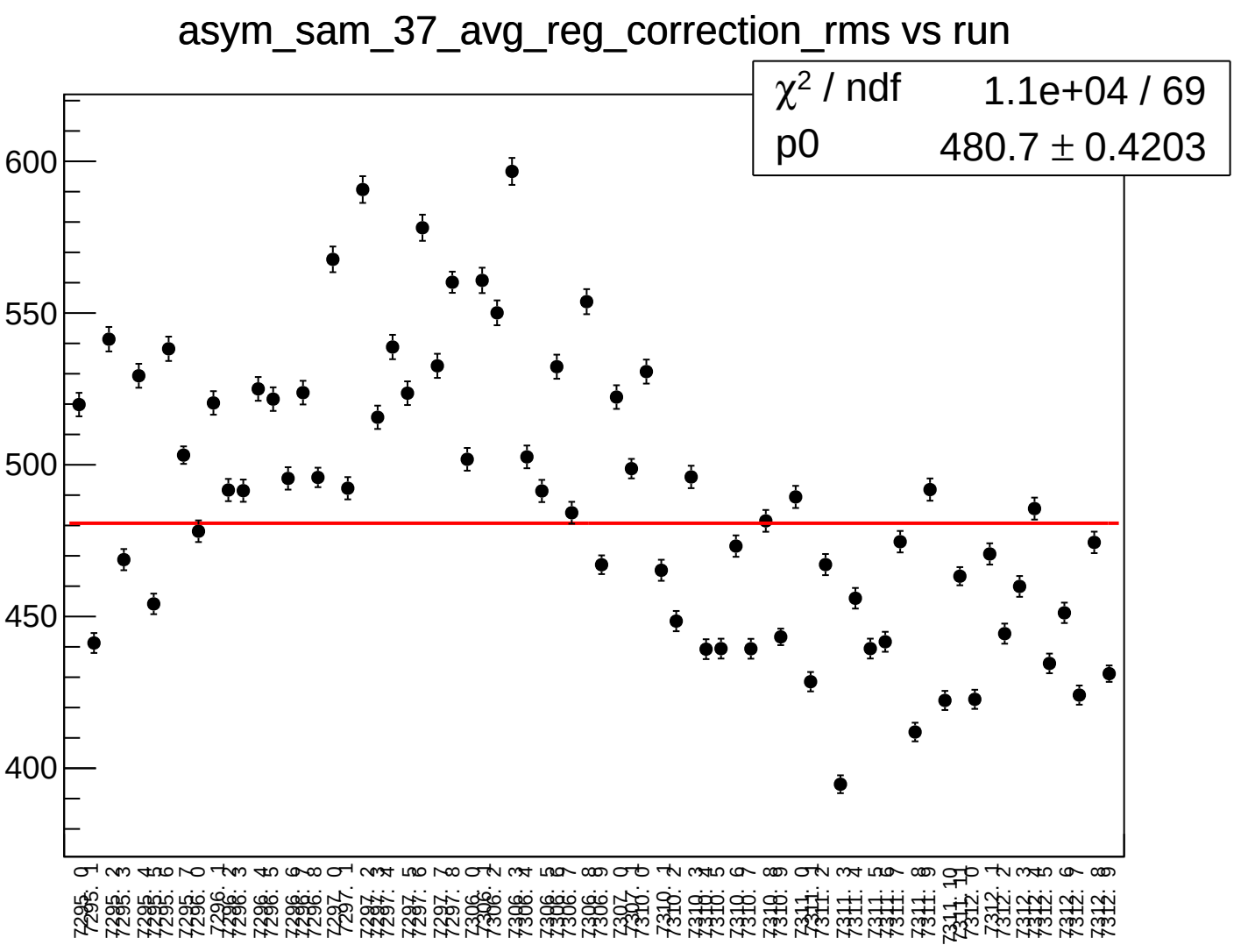

reg_asym_sam_37_avg_mean vs run
χ² / ndf 88.85 / 69
p0 −143.7 ± 75.2
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −736.7
Std Dev 0
2
1
0
−1
−2

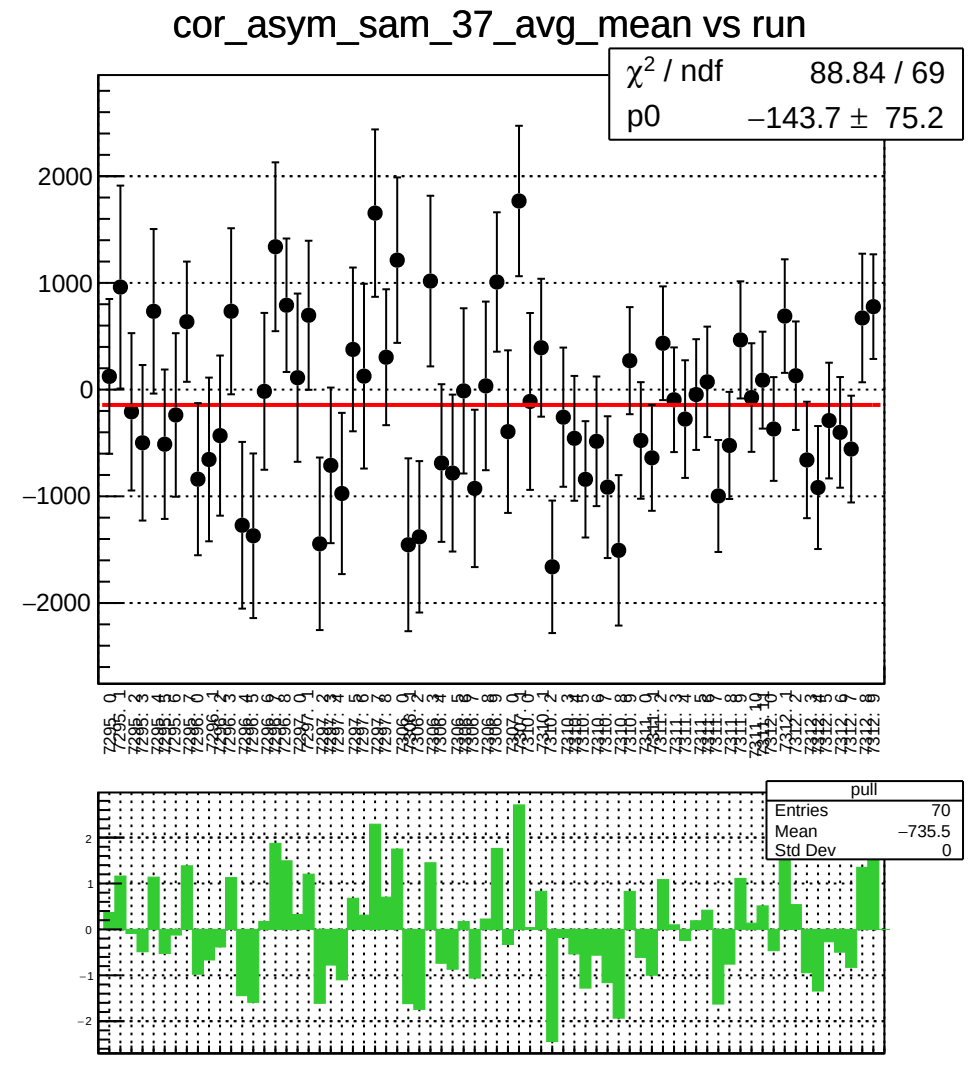

pull1D
Entries 70
Mean 0.00163
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

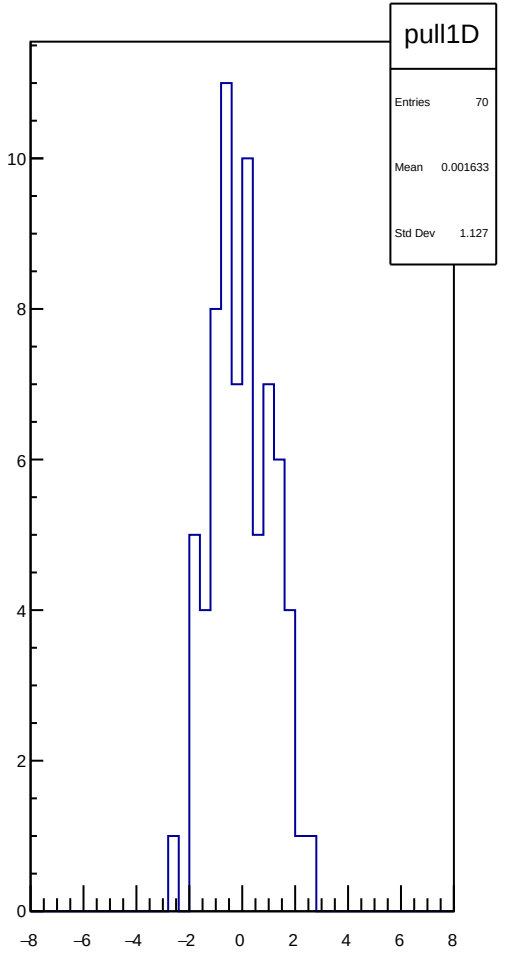

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.156e+04 / 69
p0 60.1 ± 0.05318
90
80
70
60
50

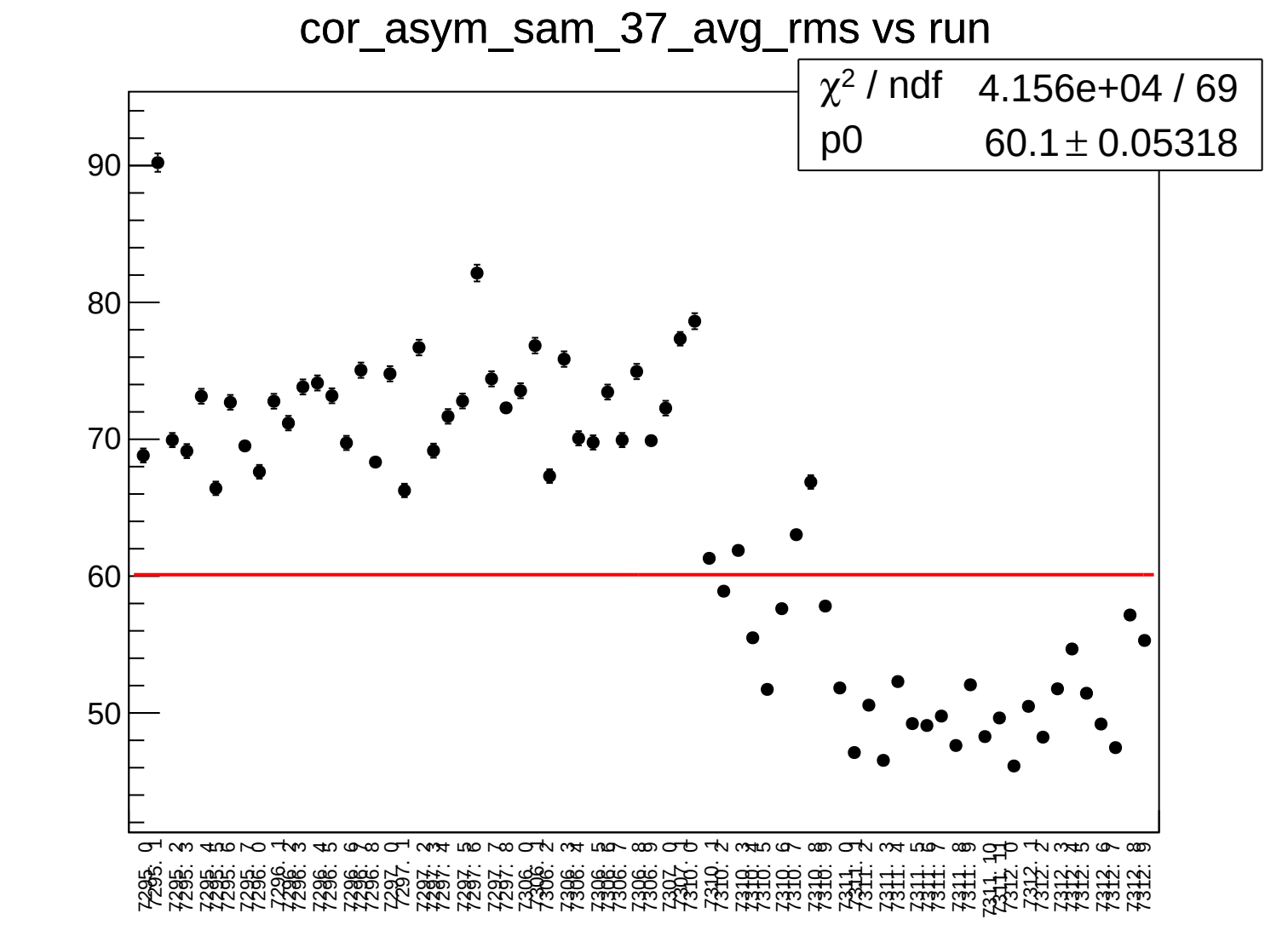

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 79.07 / 69
p0 −1045 ± 594.5
pull
Entries 70
Mean −1157
Std Dev 0

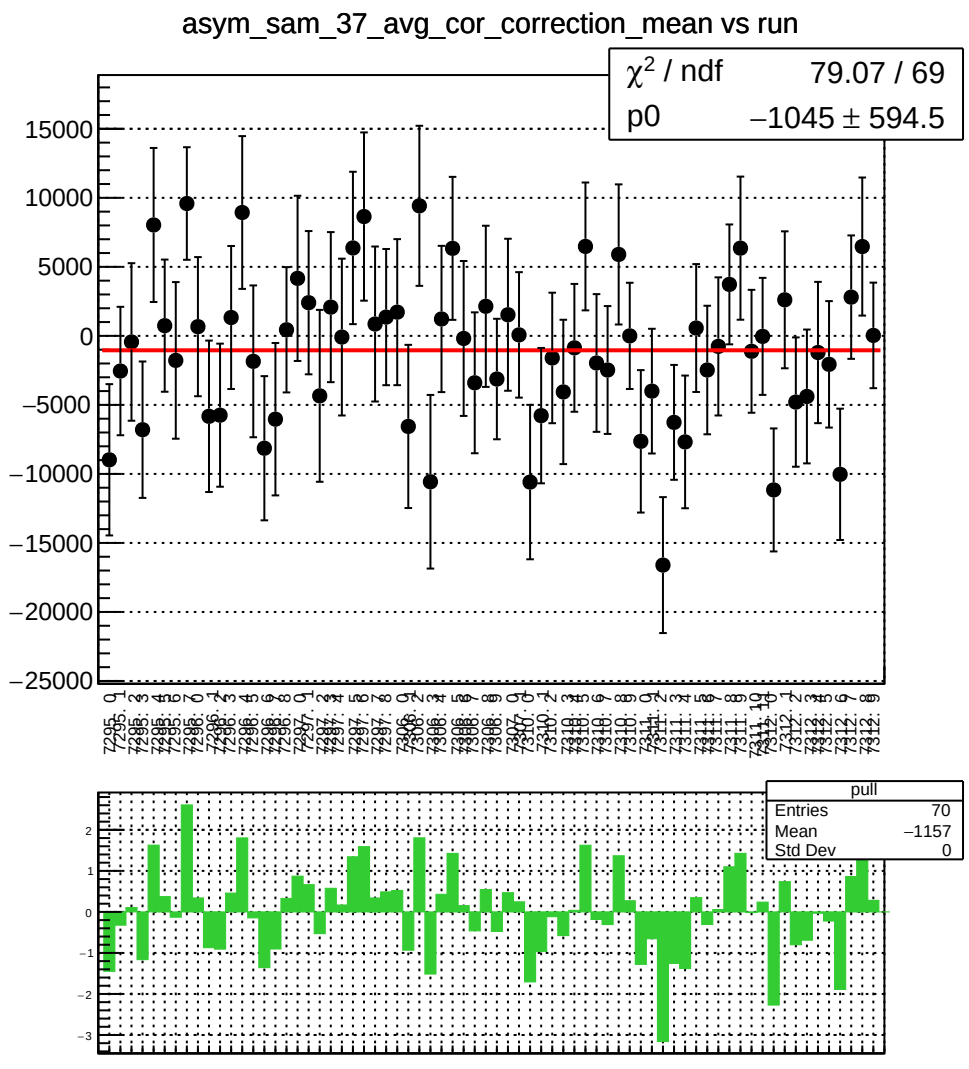

pull1D
Entries 70
Mean 0.002278
Std Dev 1.063

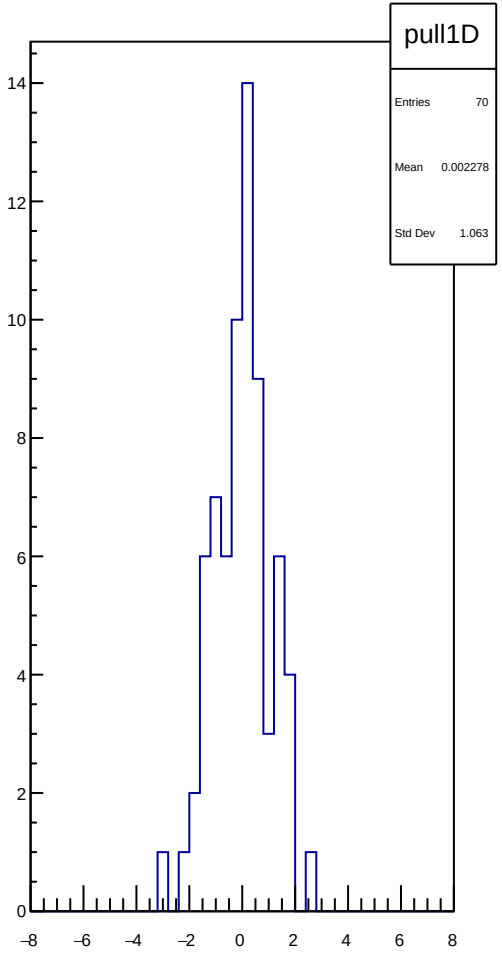

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1.1e+04 / 69
p0 480.7 ± 0.4203
600
550
500
450
400

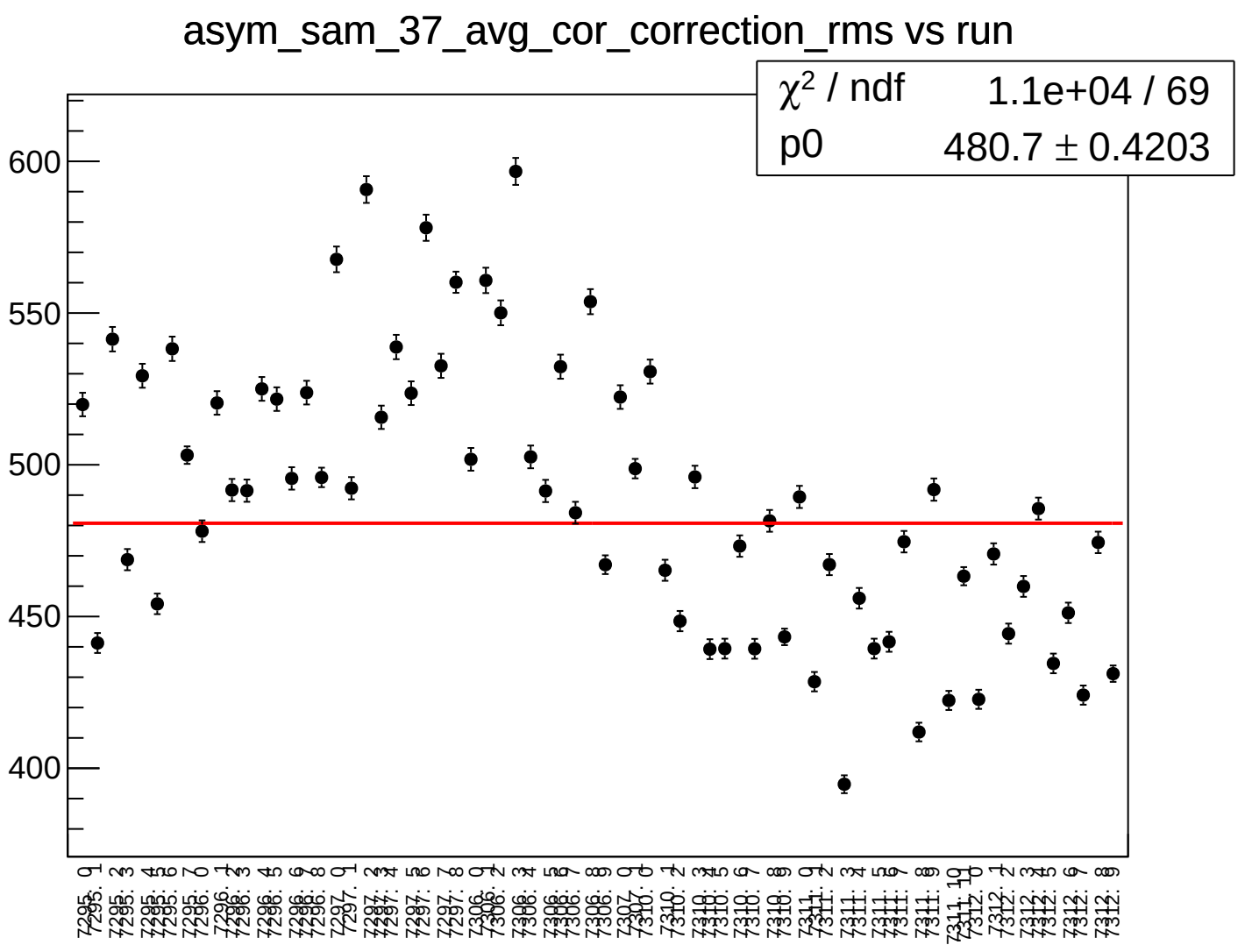

cor_asym_sam_37_avg_mean vs run
χ² / ndf 88.84 / 69
p0 −143.7 ± 75.2
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −735.5
Std Dev 0
2
1
0
−1
−2

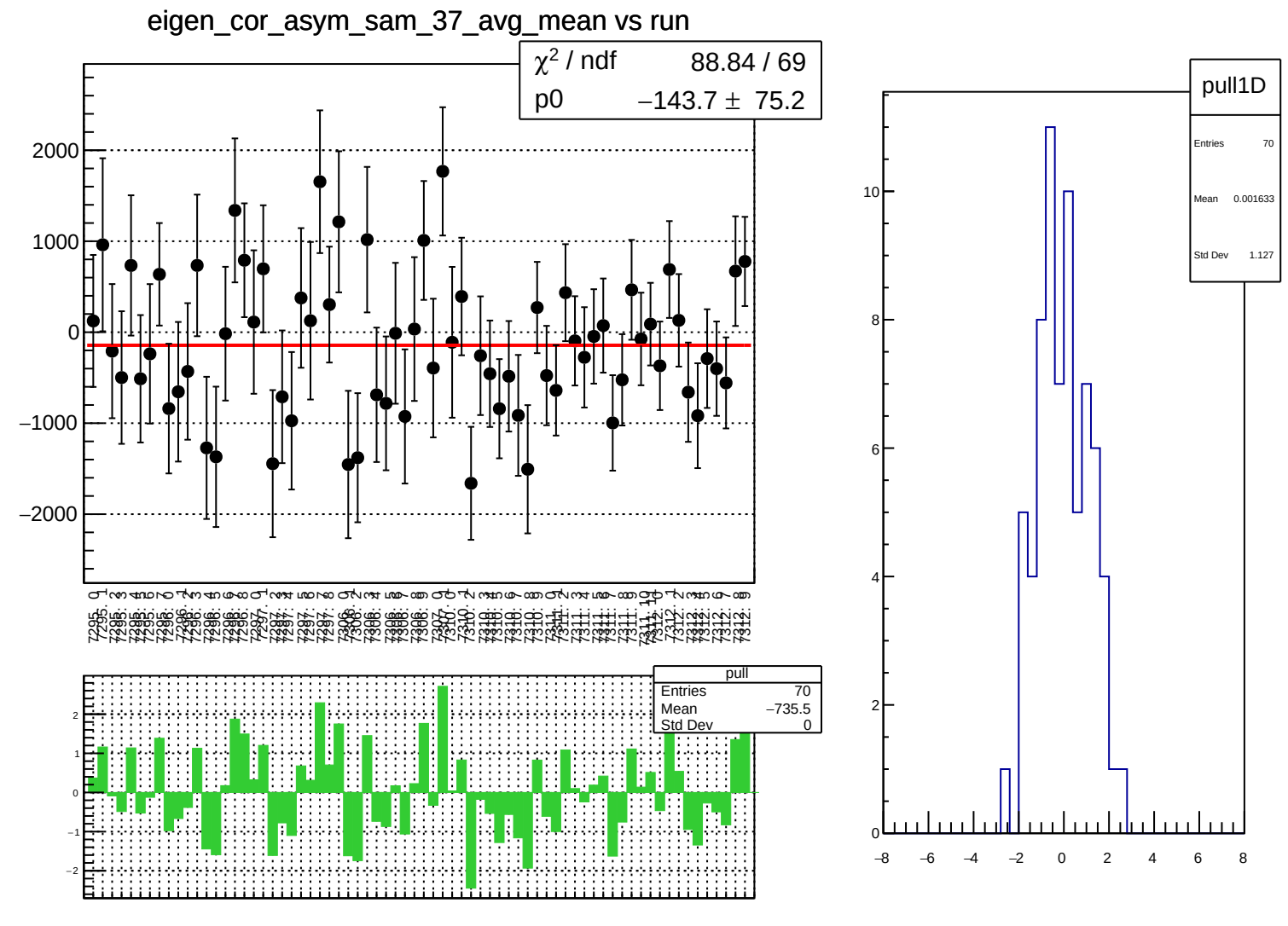

pull1D
Entries 70
Mean 0.001633
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

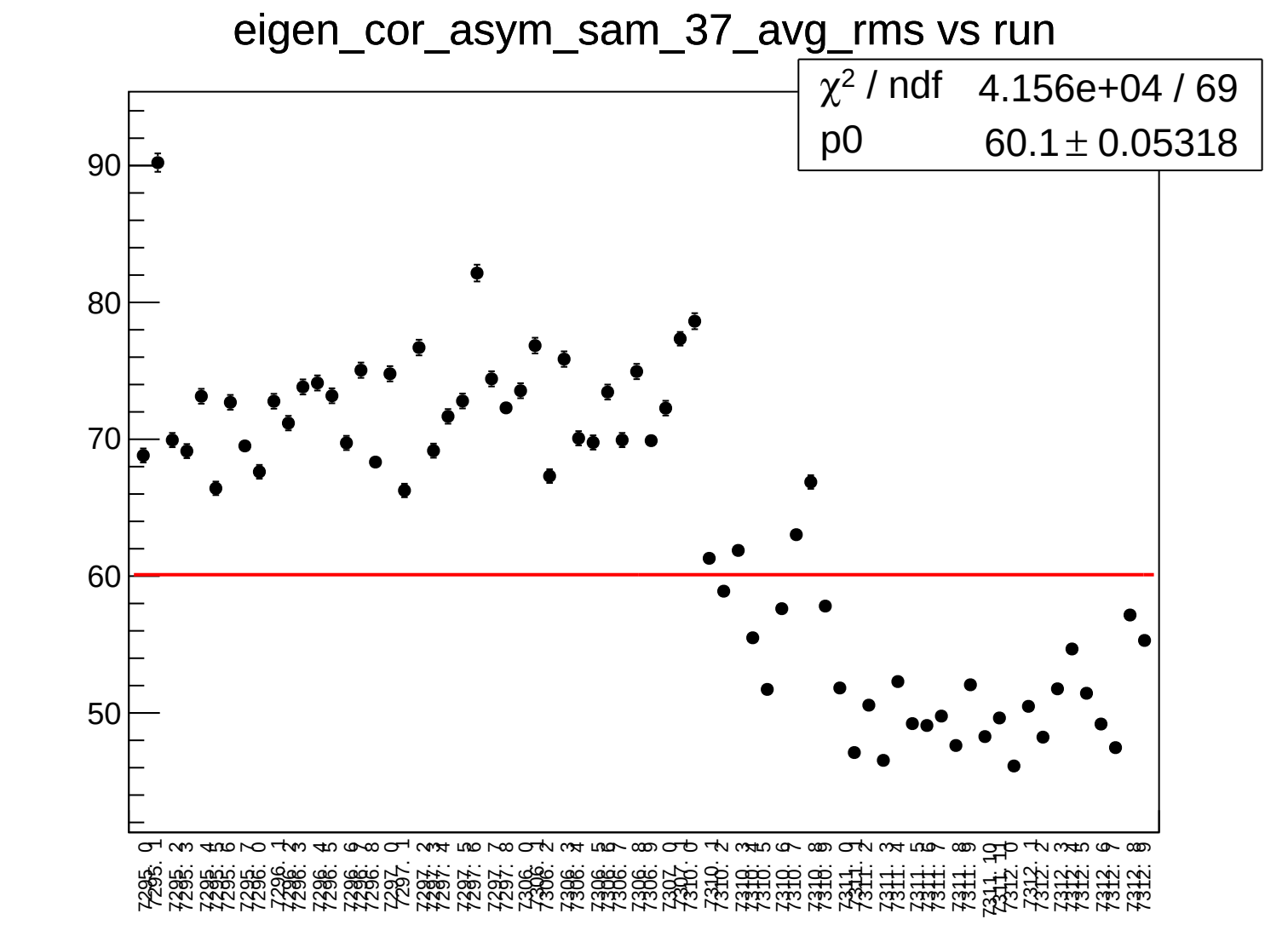

cor_asym_sam_37_avg_rms vs run
χ² / ndf 4.156e+04 / 69
p0 60.1 ± 0.05318
90
80
70
60
50

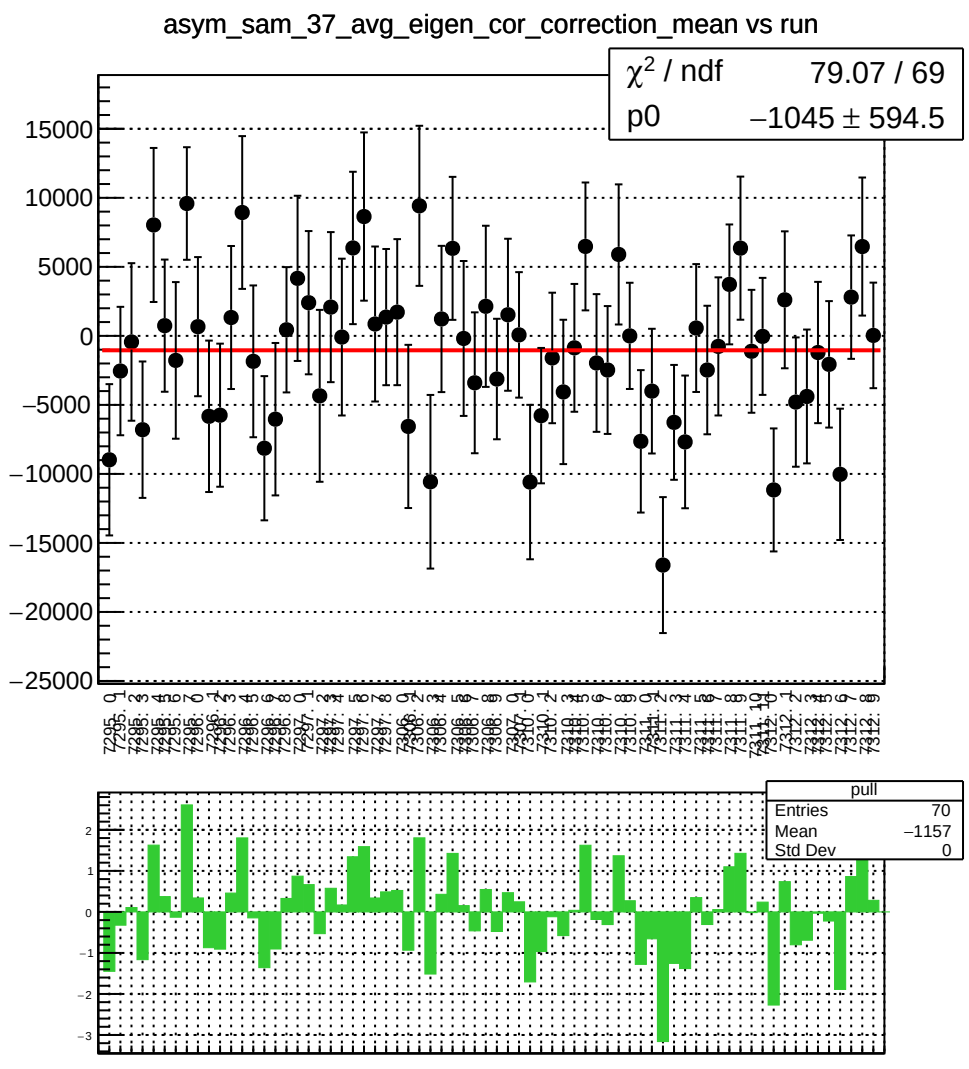

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 79.07 / 69
p0 −1045 ± 594.5
pull
Entries 70
Mean −1157
Std Dev 0

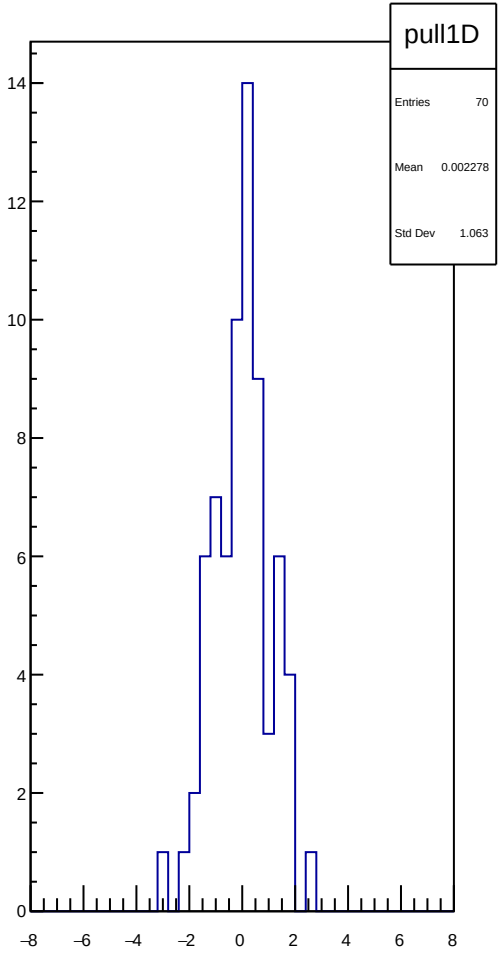

pull1D
Entries 70
Mean 0.002278
Std Dev 1.063

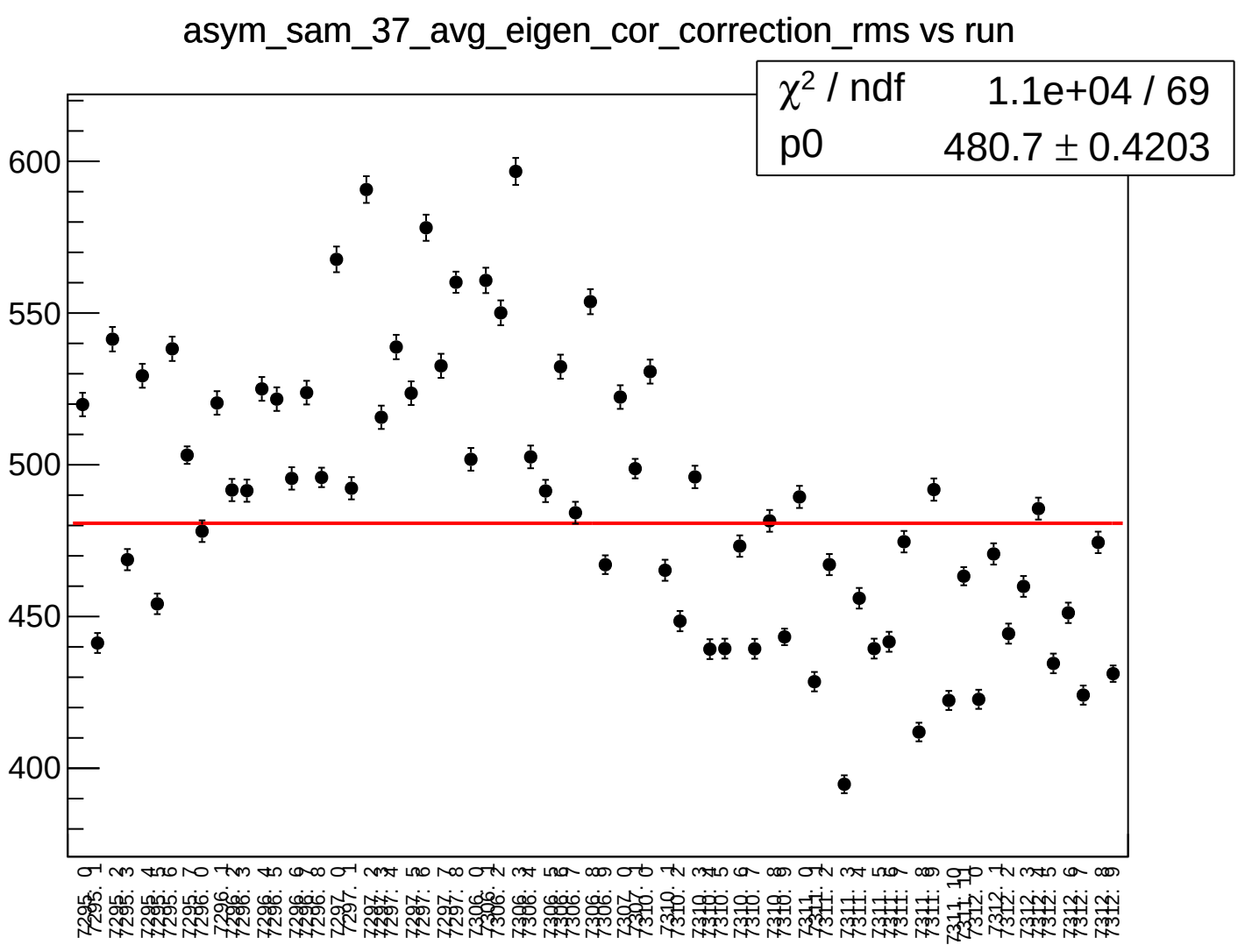

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 1.1e+04 / 69
p0 480.7 ± 0.4203
600
550
500
450
400

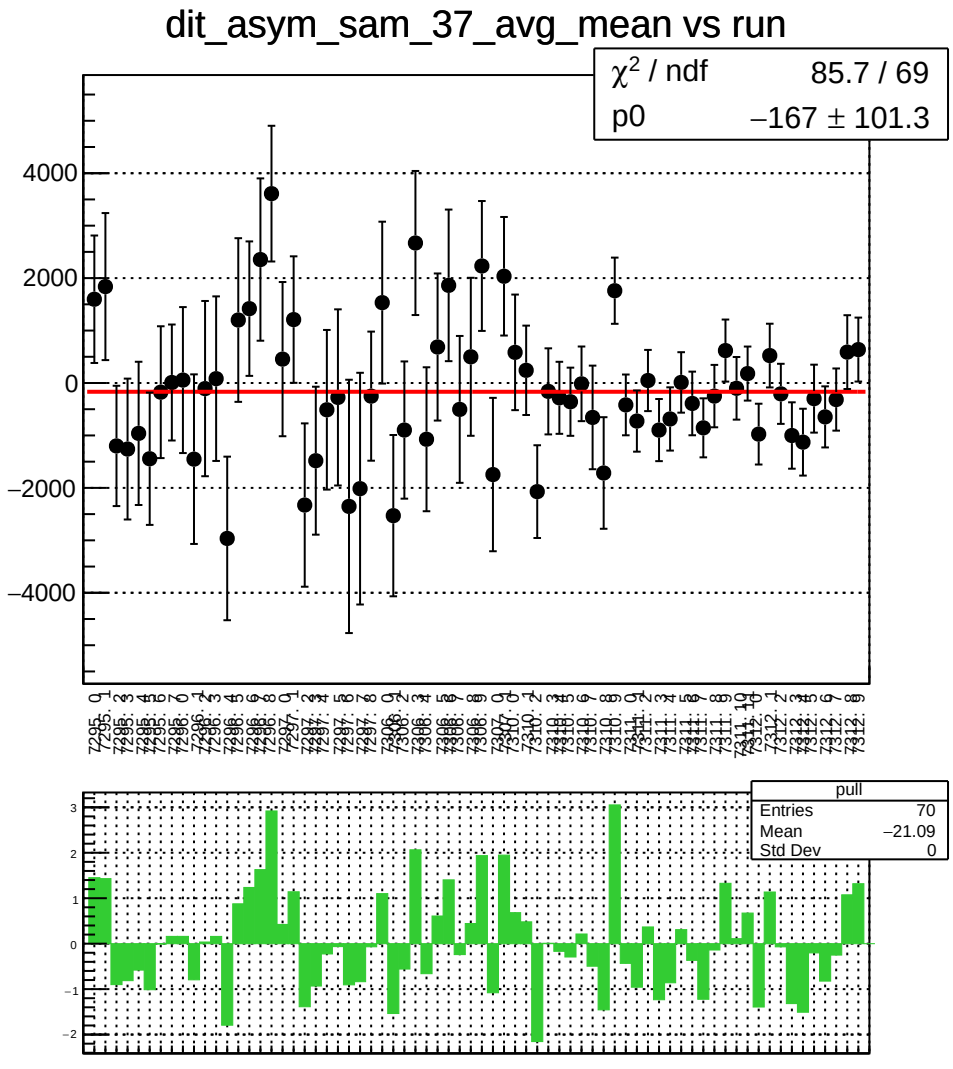

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 88.84 / 69
p0 −143.7 ± 75.2
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −735.5
Std Dev 0
pull1D
Entries 70
Mean 0.001633
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

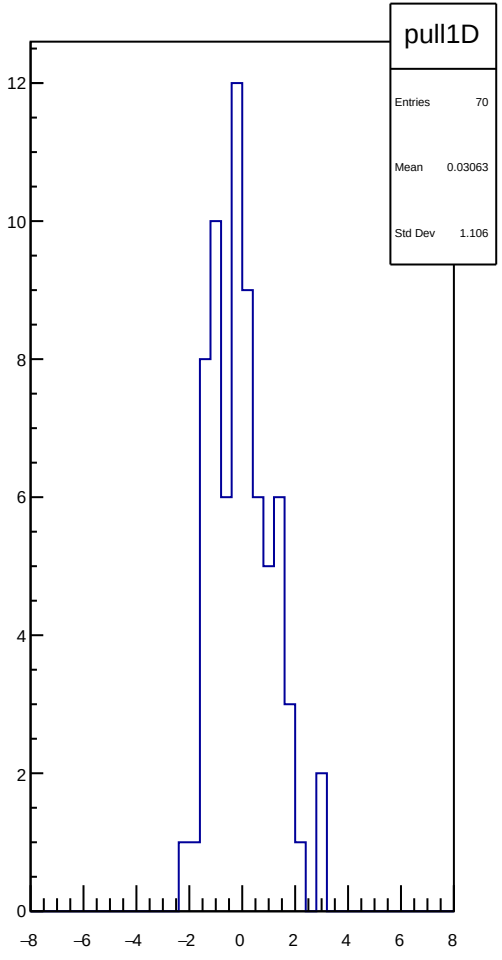

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 4.156e+04 / 69
p0 60.1 ± 0.05318
90
80
70
60
50

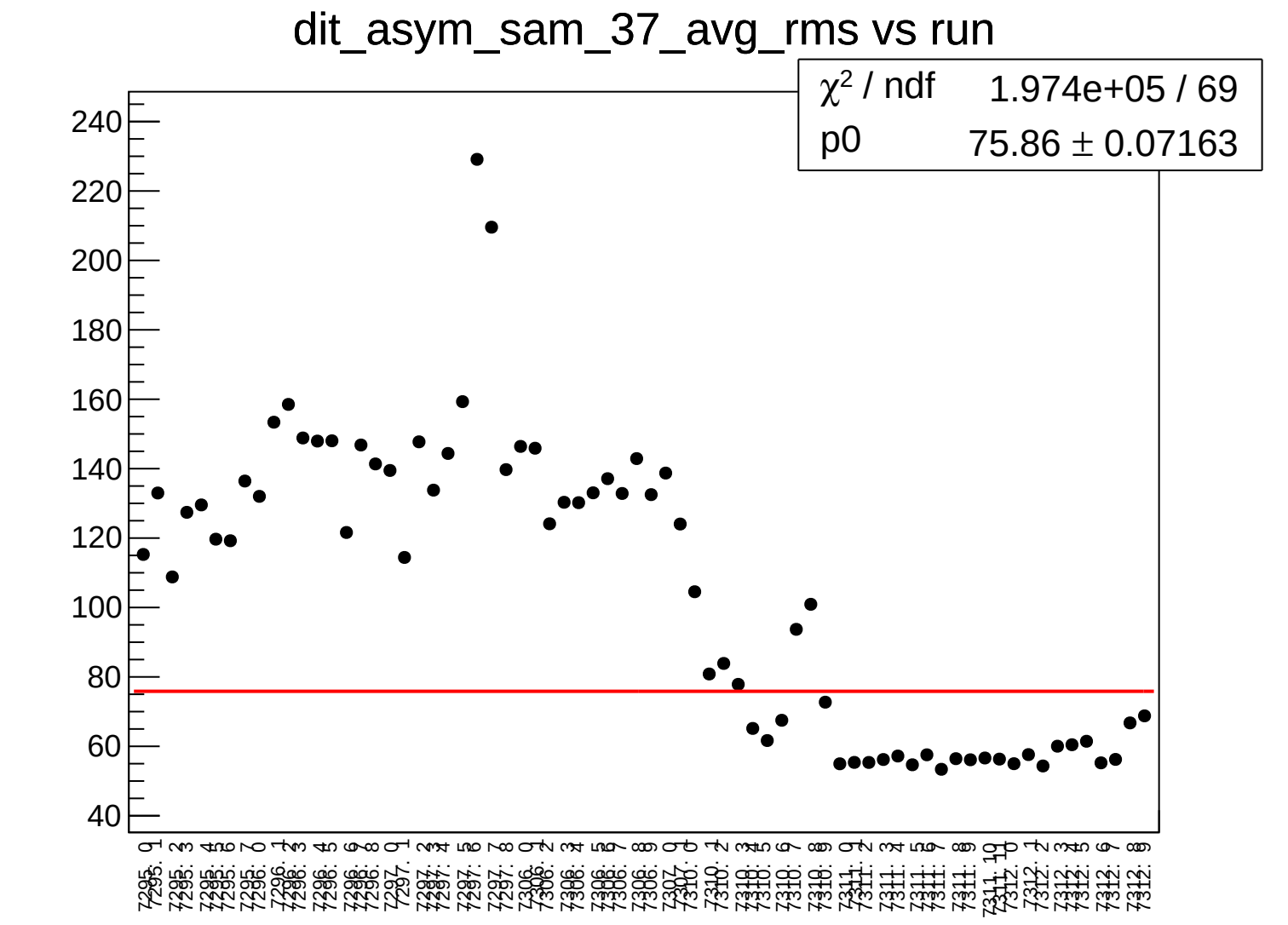

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 79.07 / 69
p0 −1045 ± 594.5
pull
Entries 70
Mean −1157
Std Dev 0

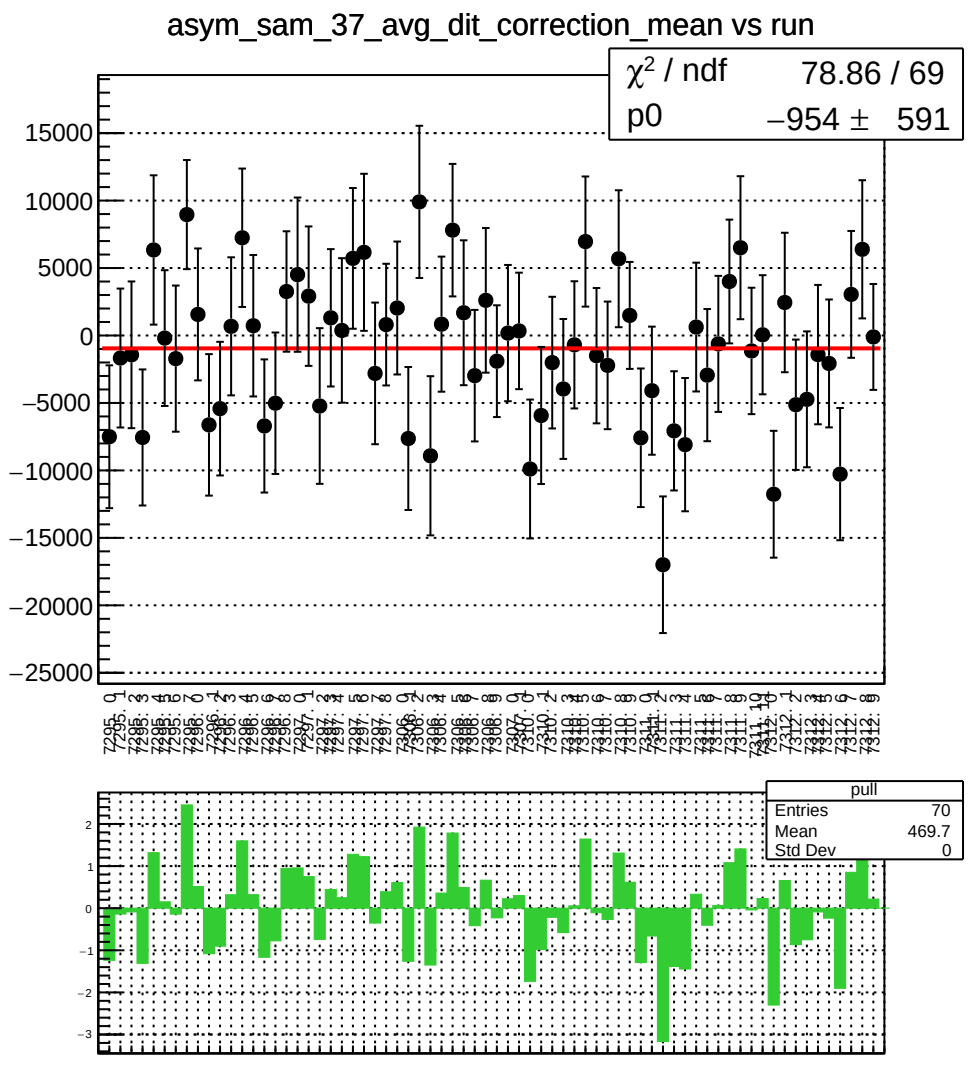

pull1D
Entries 70
Mean 0.002278
Std Dev 1.063

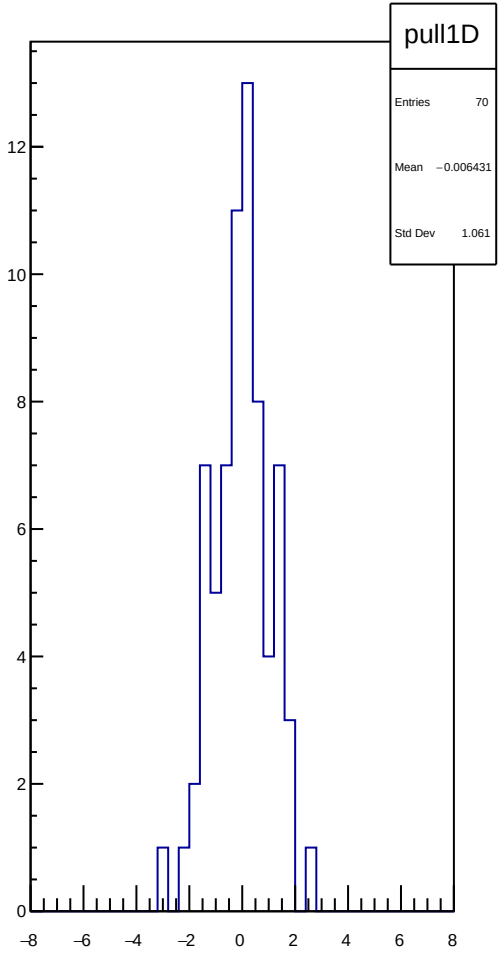

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.1e+04 / 69
p0 480.7 ± 0.4203
600
550
500
450
400

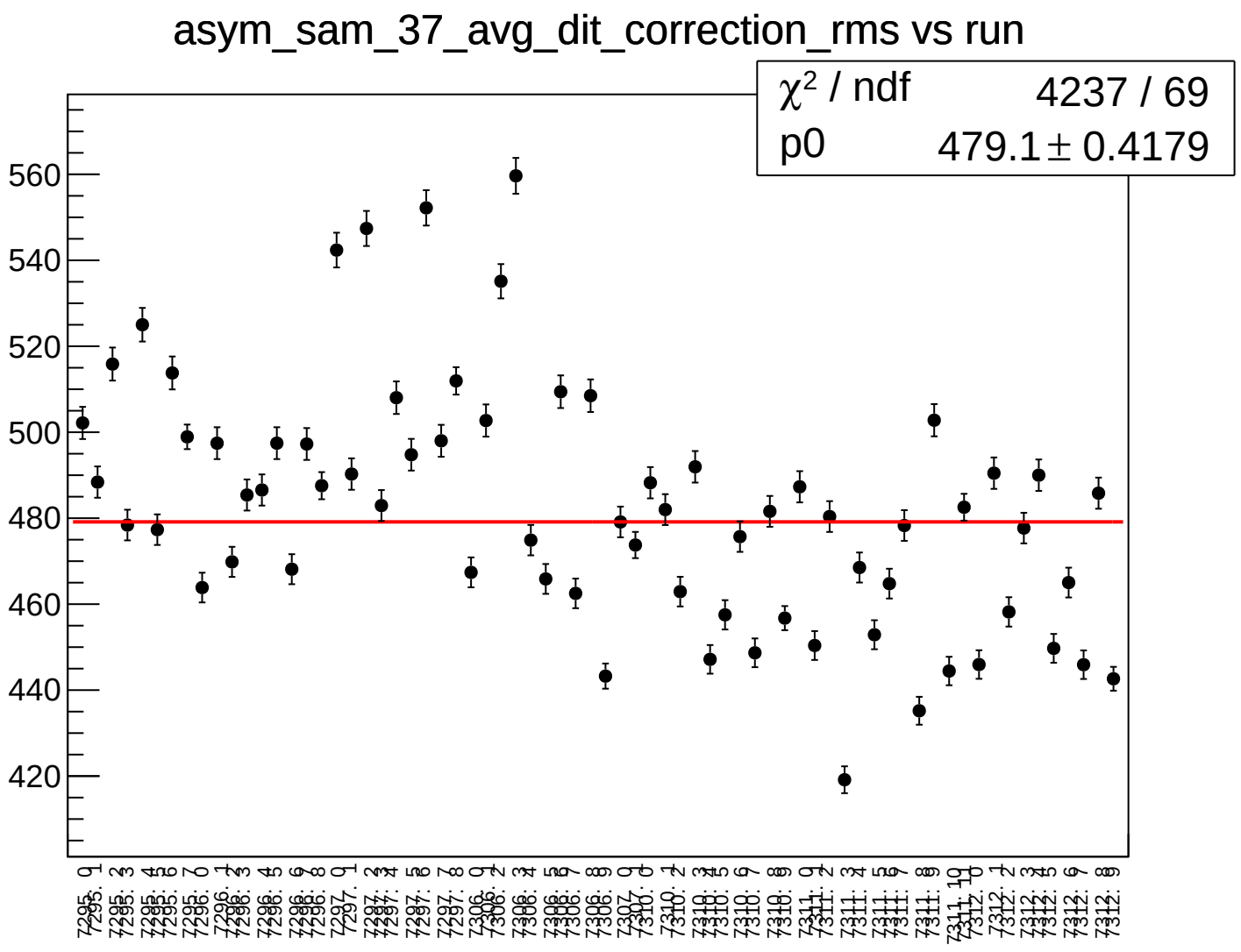

dit_asym_sam_37_avg_mean vs run
χ² / ndf 85.7 / 69
p0 −167 ± 101.3
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −21.09
Std Dev 0
3
2
1
0
−1
−2

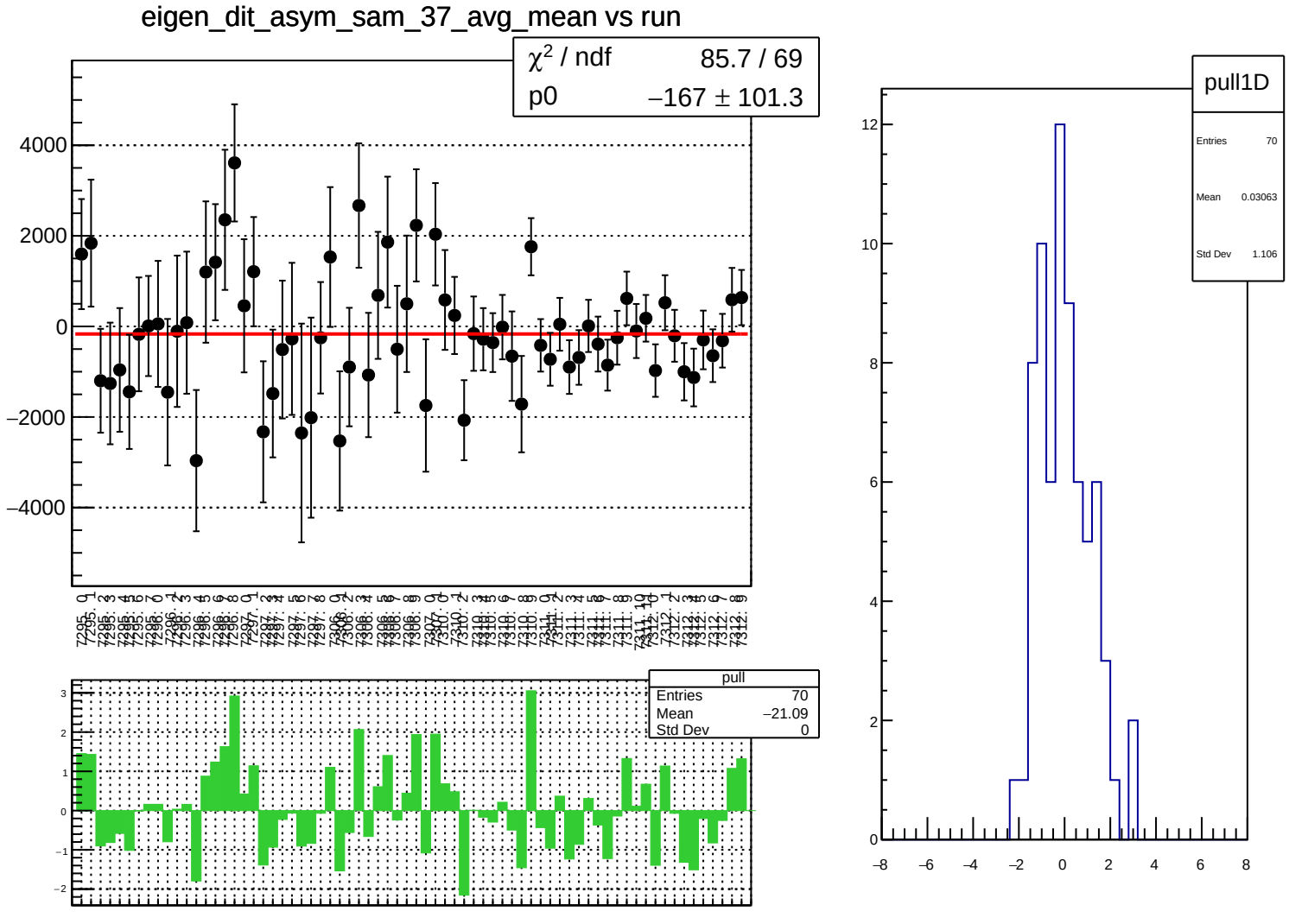

pull1D
Entries 70
Mean 0.03063
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

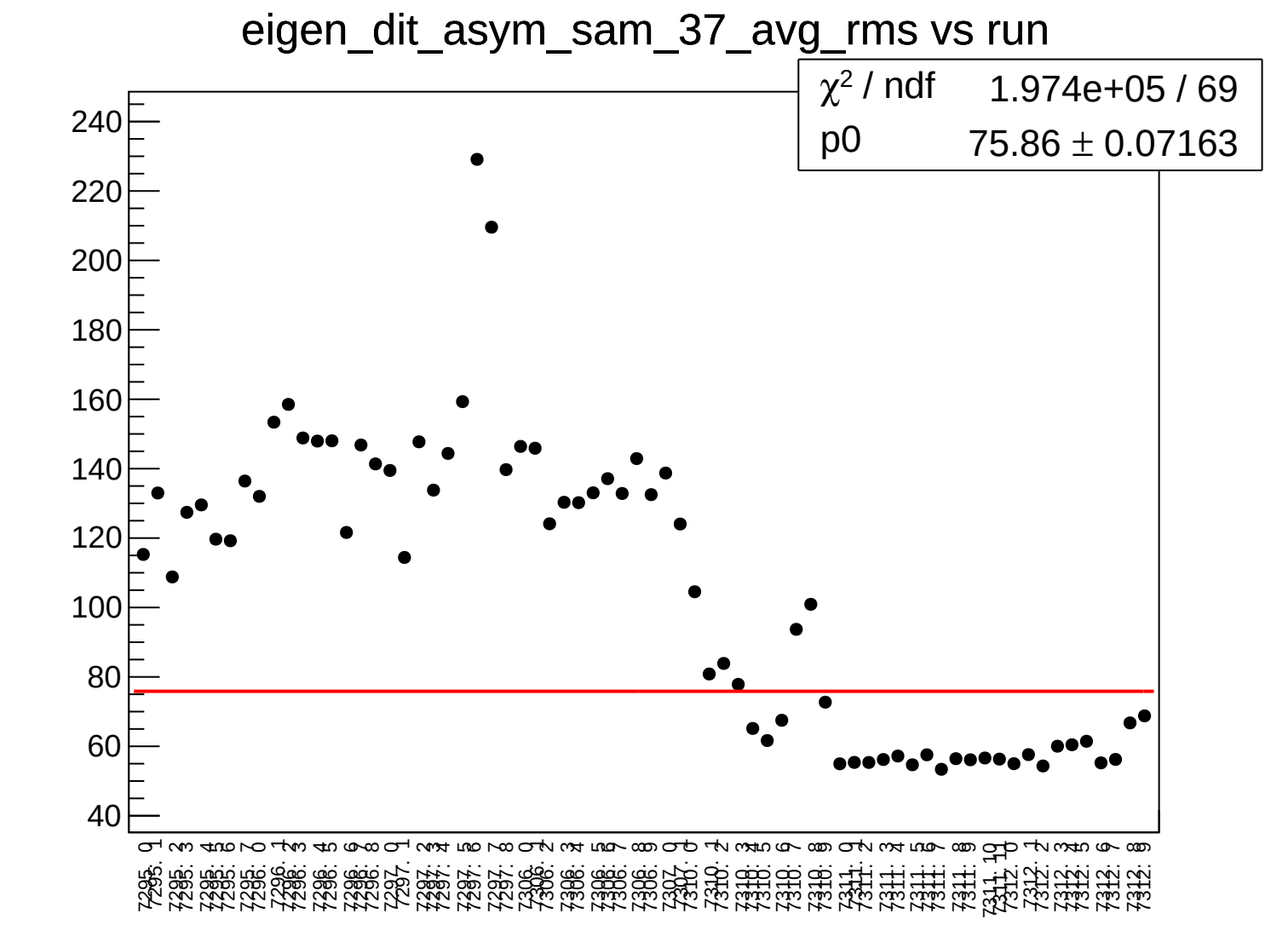

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.974e+05 / 69
p0 75.86 ± 0.07163
240
220
200
180
160
140
120
100
80
60
40

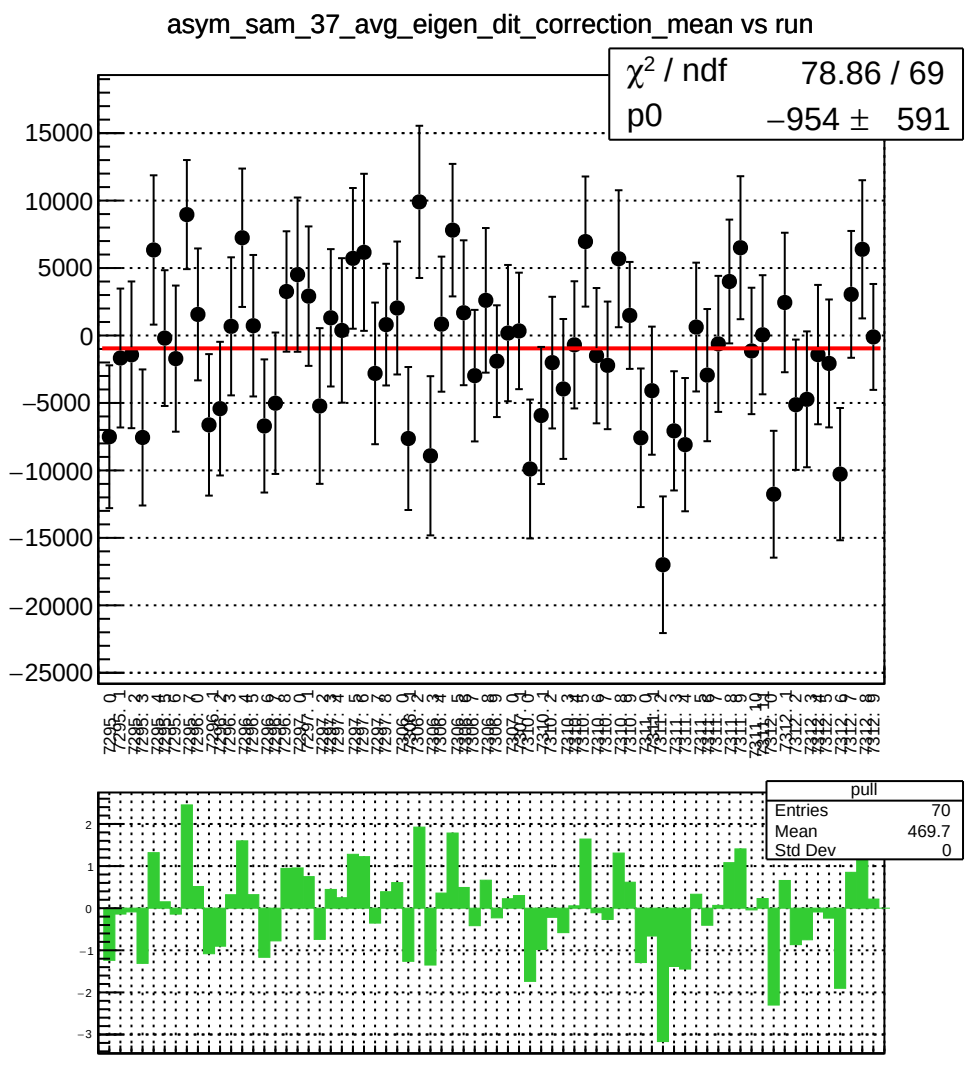

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 78.86 / 69
p0 −954 ± 591
pull
Entries 70
Mean 469.7
Std Dev 0

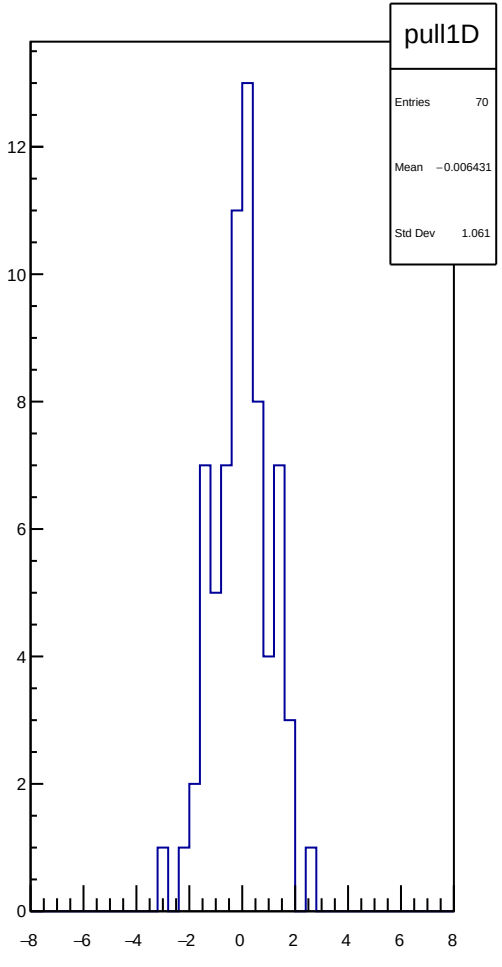

pull1D
Entries 70
Mean −0.006431
Std Dev 1.061

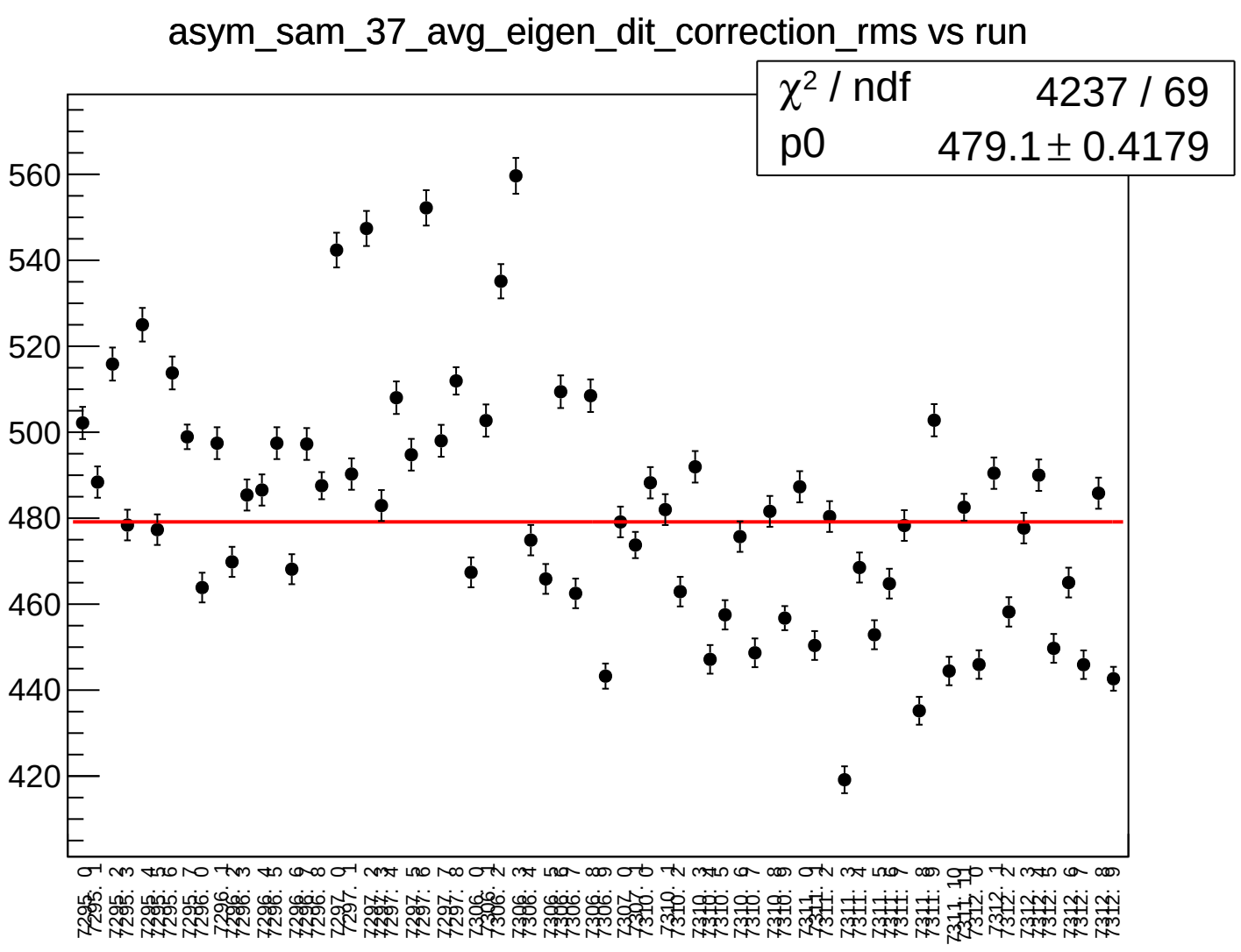

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 4237 / 69
p0 479.1 ± 0.4179
560
540
520
500
480
460
440
420

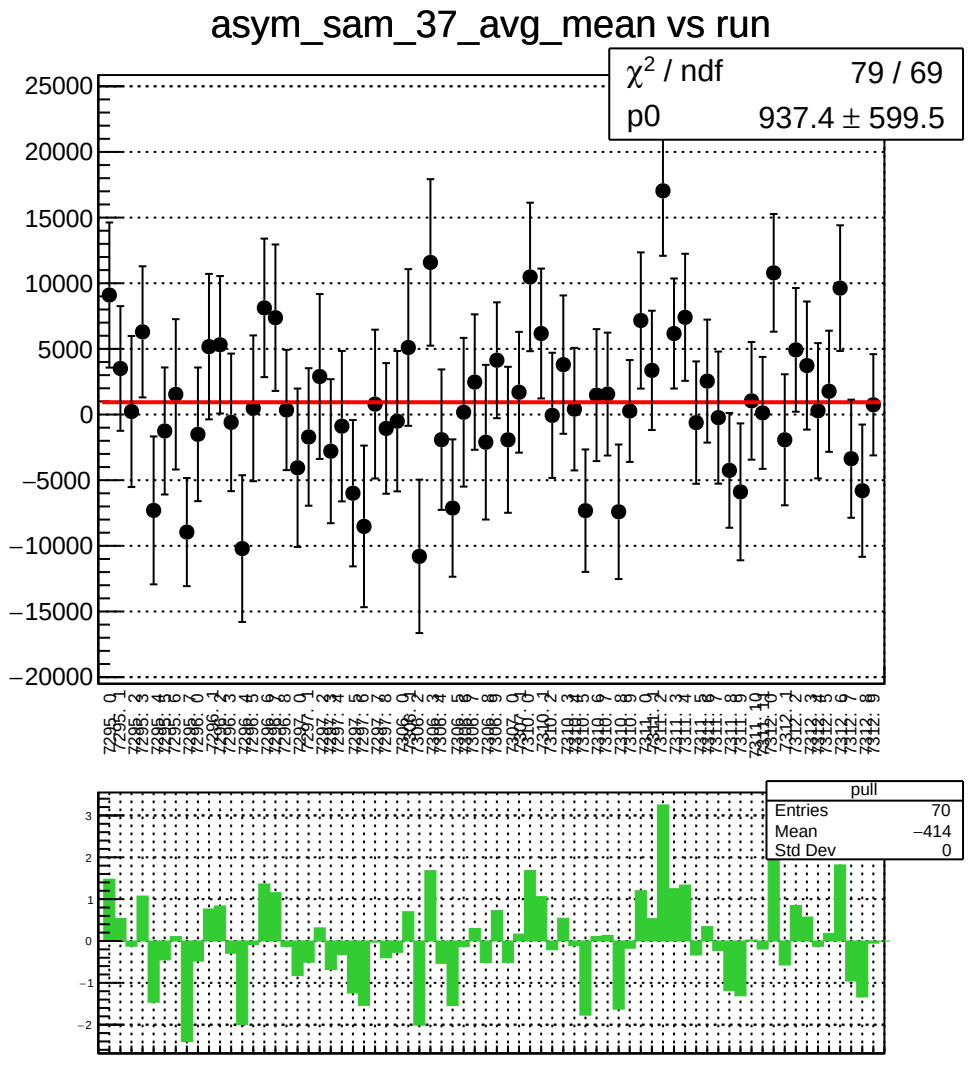

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 85.7 / 69
p0 −167 ± 101.3
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −21.09
Std Dev 0
pull1D
Entries 70
Mean 0.03063
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

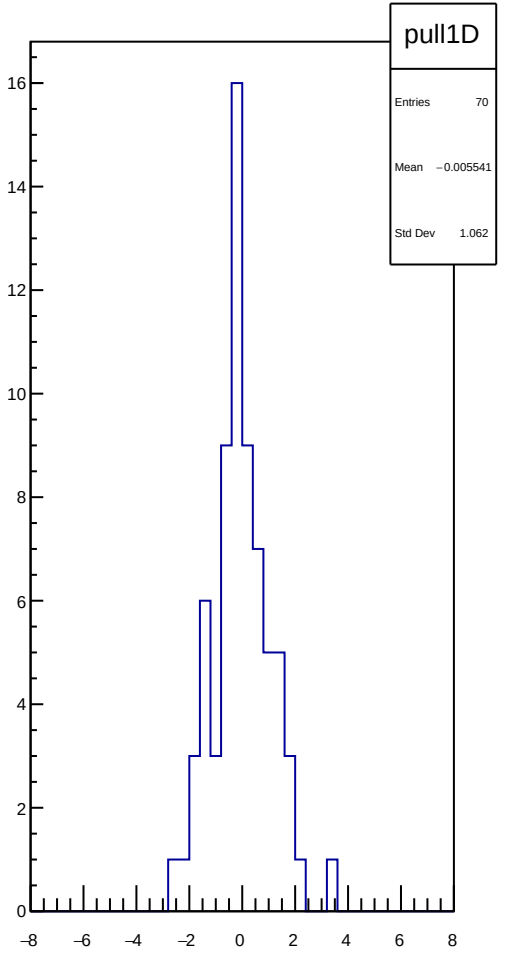

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.974e+05 / 69
p0 75.86 ± 0.07163
240
220
200
180
160
140
120
100
80
60
40

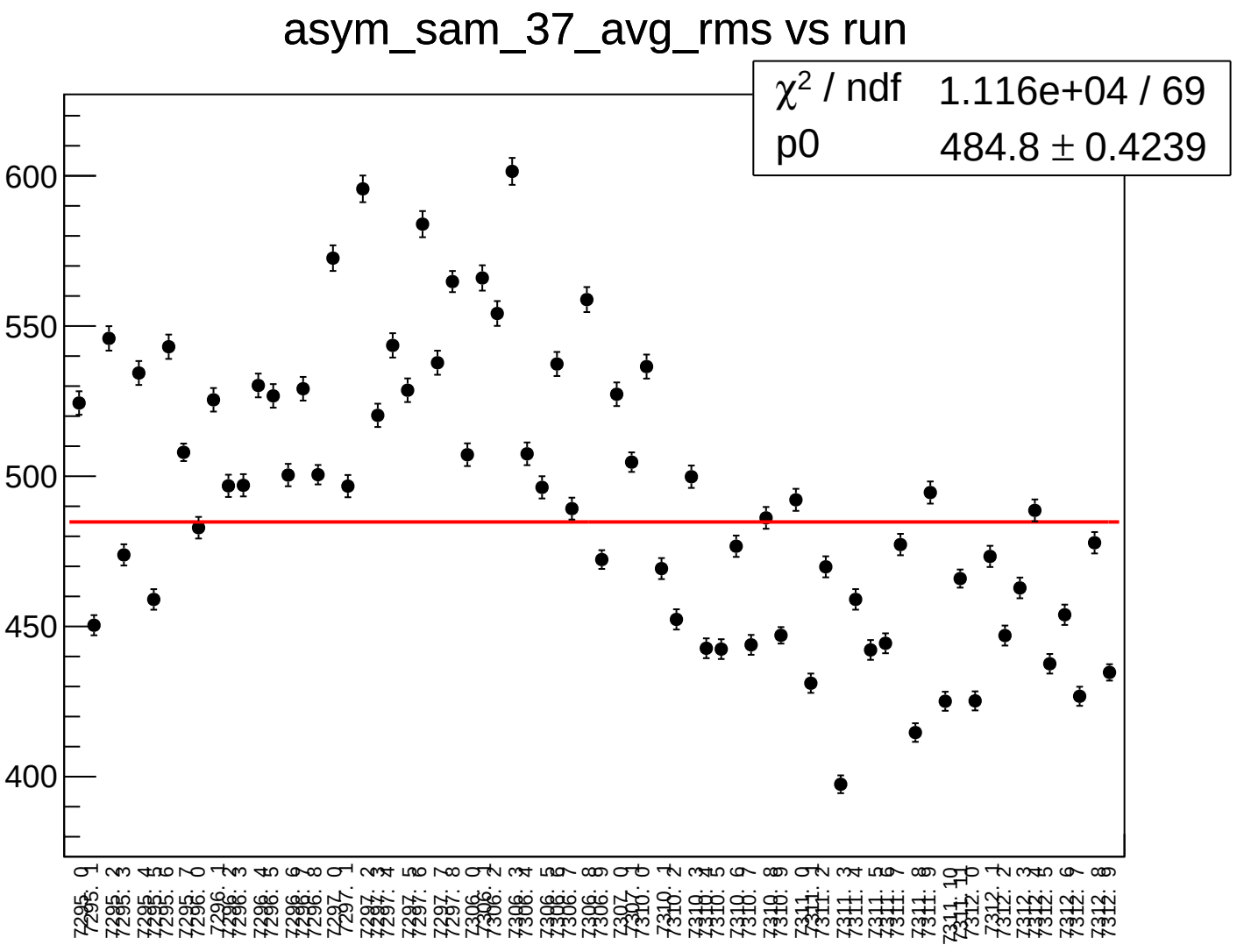

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.86 / 69
p0 −954 ± 591
pull
Entries 70
Mean 469.7
Std Dev 0

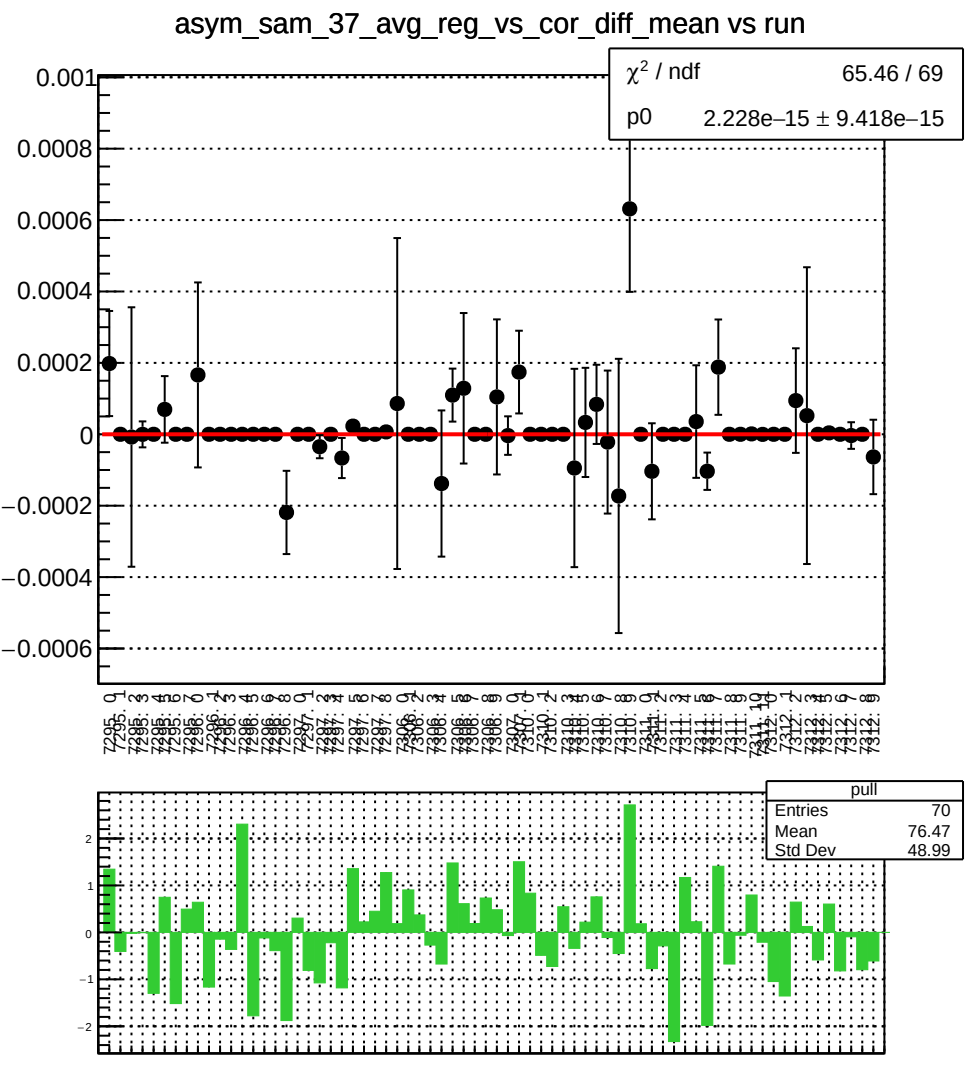

pull1D
Entries 70
Mean −0.006431
Std Dev 1.061

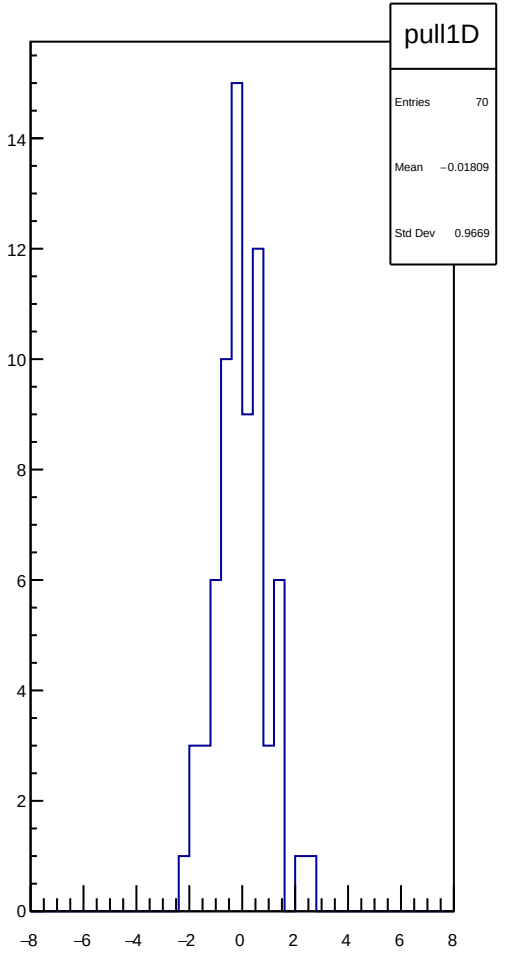

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 4237 / 69
p0 479.1 ± 0.4179
560
540
520
500
480
460
440
420

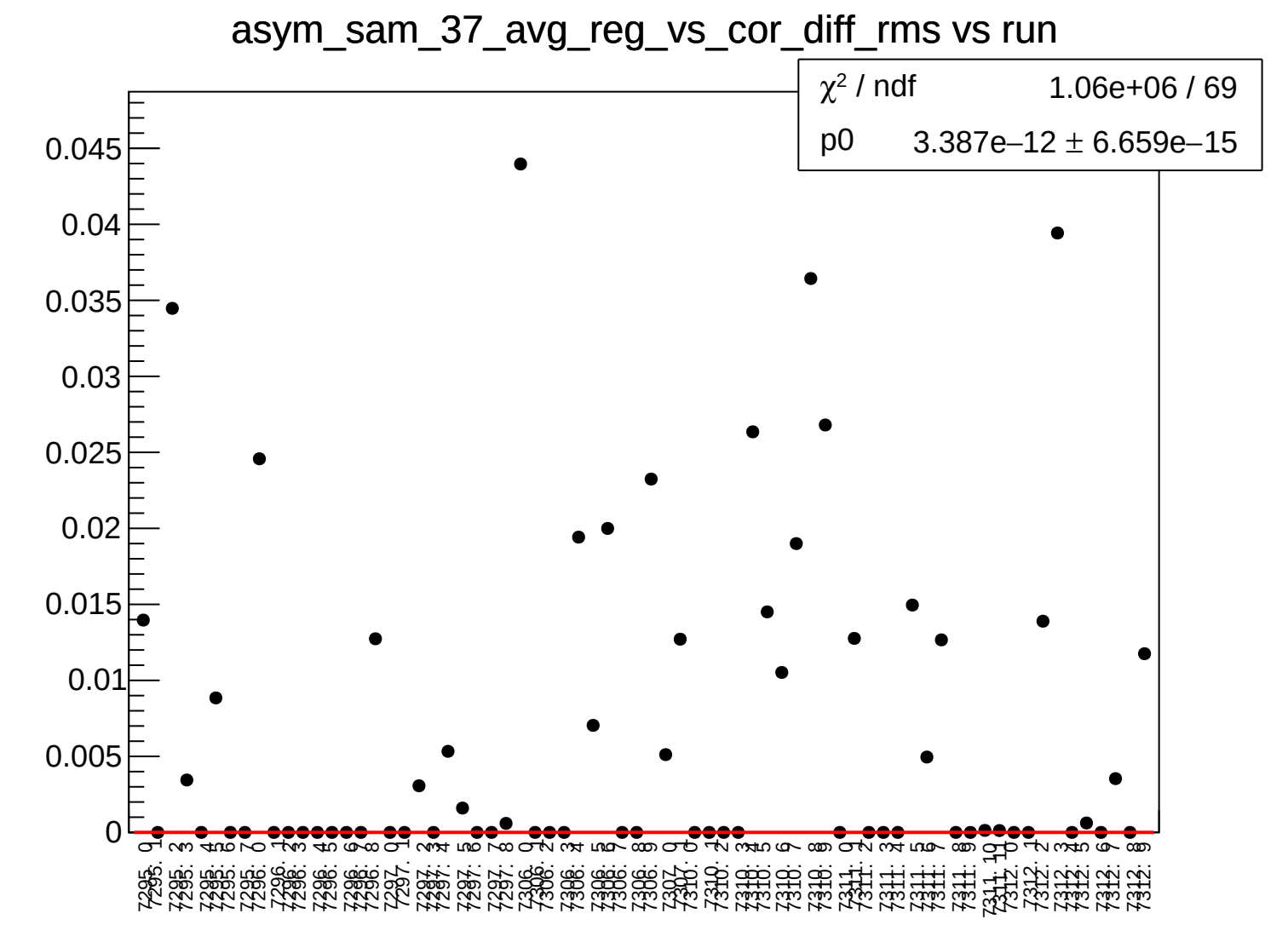

asym_sam_37_avg_mean vs run
χ² / ndf 79 / 69
p0 937.4 ± 599.5
pull
Entries 70
Mean −414
Std Dev 0

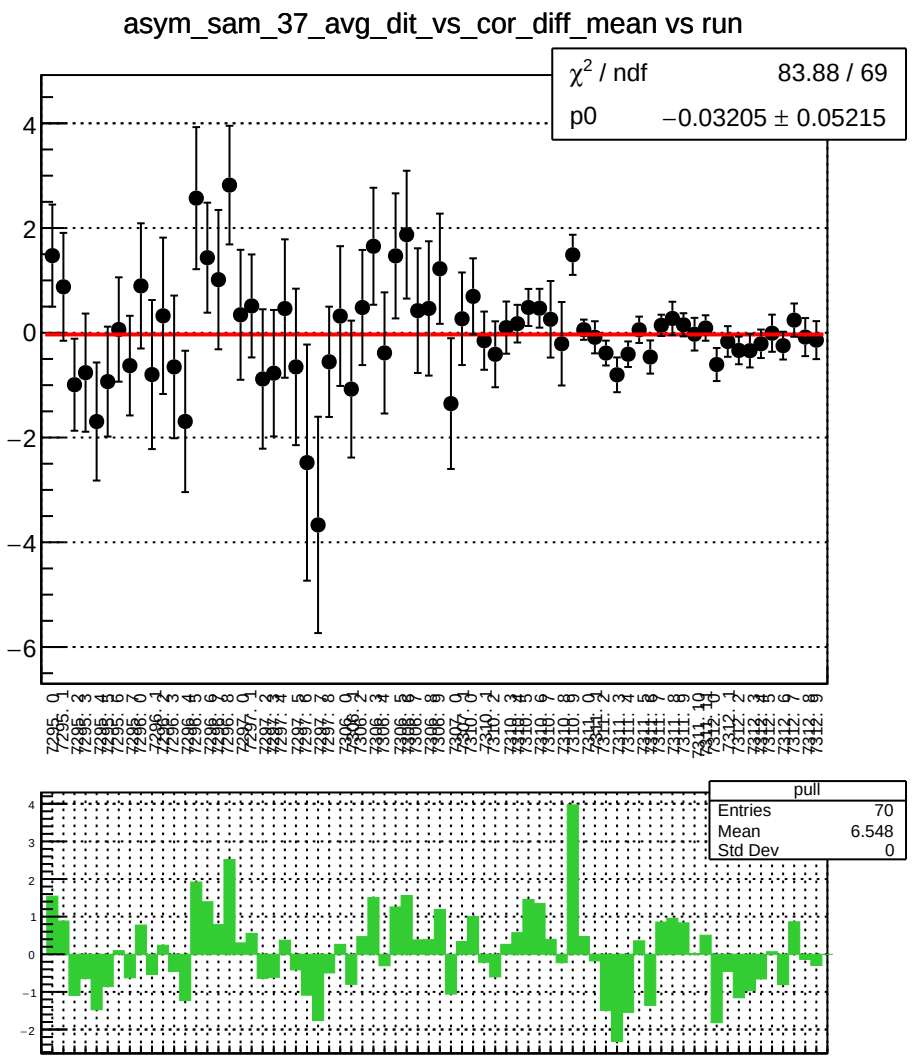

pull1D
Entries 70
Mean −0.005541
Std Dev 1.062

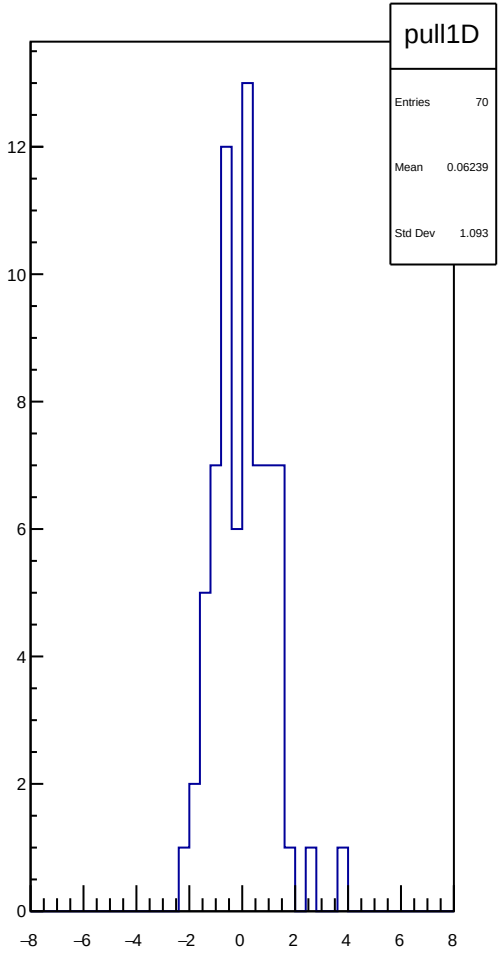

asym_sam_37_avg_rms vs run
χ² / ndf 1.116e+04 / 69
p0 484.8 ± 0.4239
600
550
500
450
400

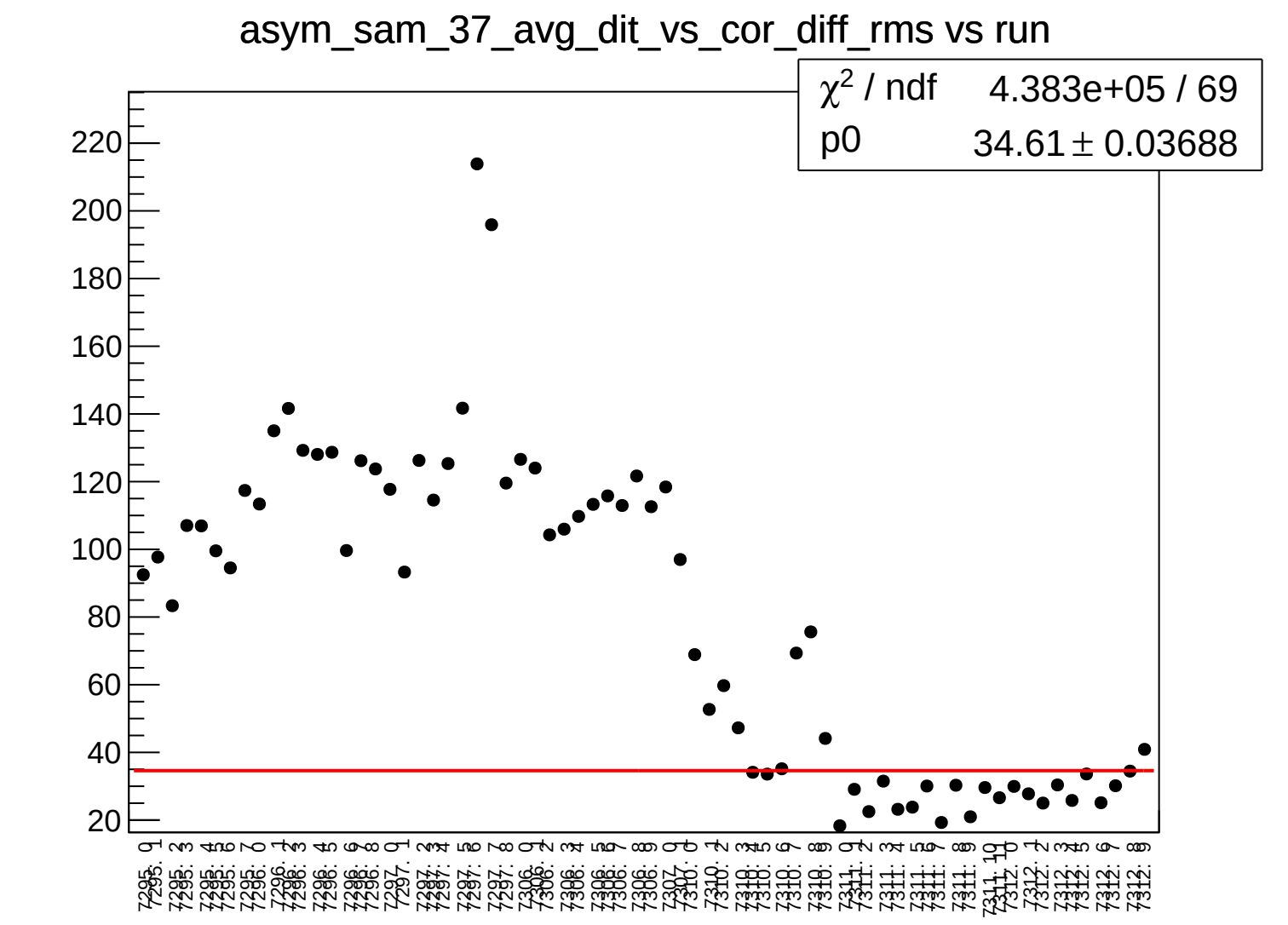

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.46 / 69
p0 2.228e−15 ± 9.418e−15
pull
Entries 70
Mean 76.47
Std Dev 48.99

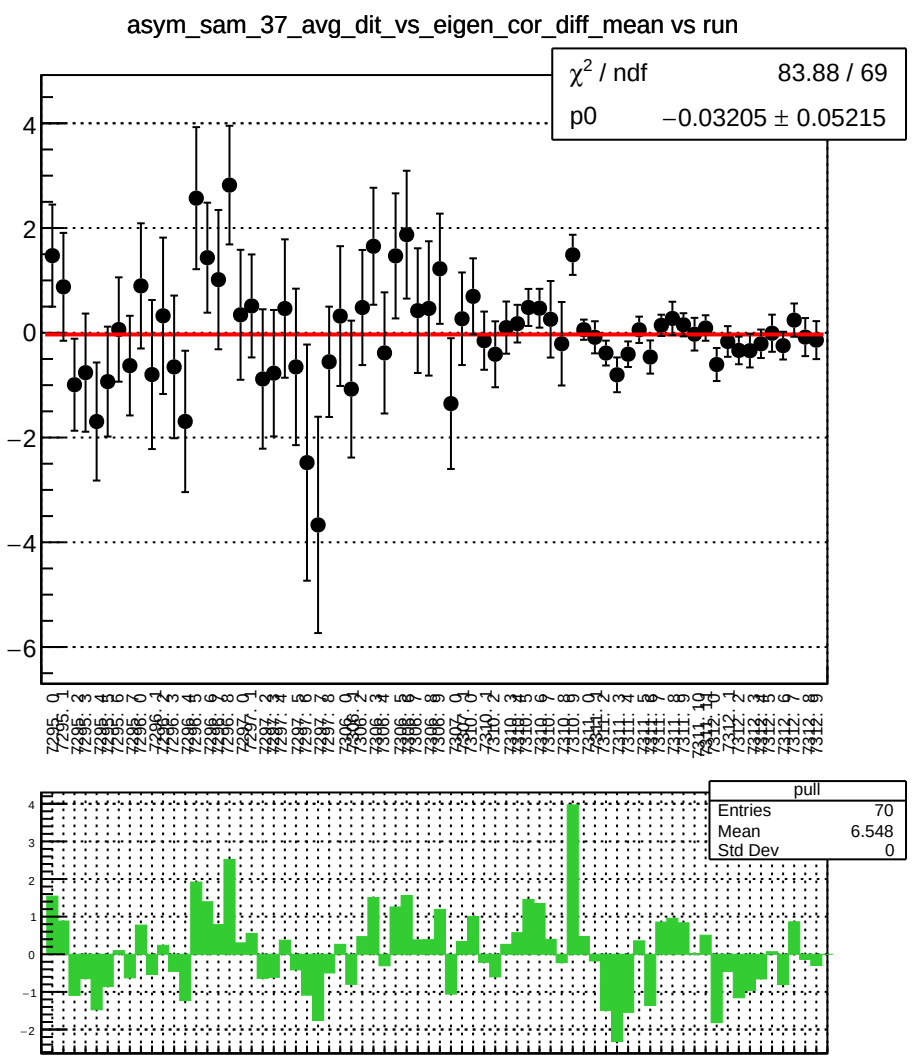

pull1D
Entries 70
Mean −0.01809
Std Dev 0.9669

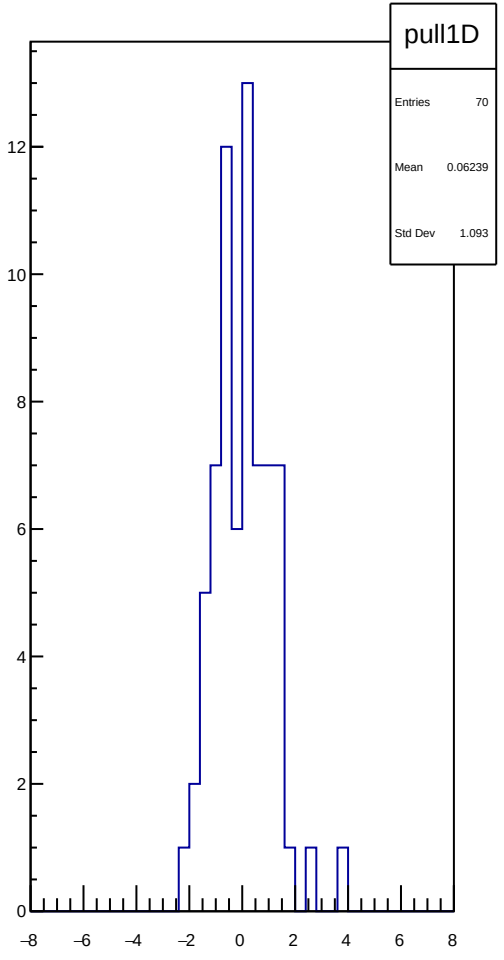

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.06e+06 / 69
p0 3.387e−12 ± 6.659e−15
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

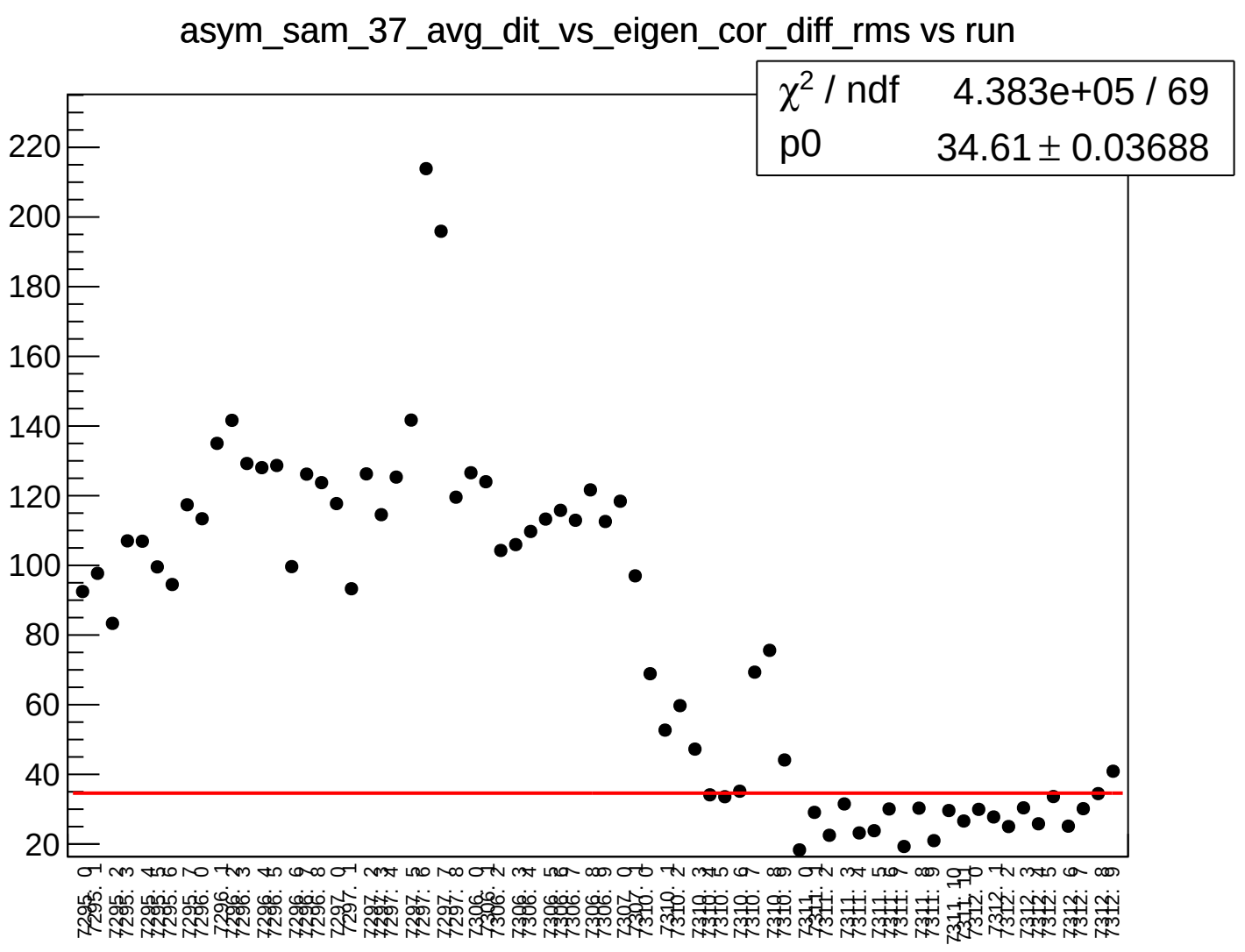

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.88 / 69
p0 −0.03205 ± 0.05215
pull
Entries 70
Mean 6.548
Std Dev 0

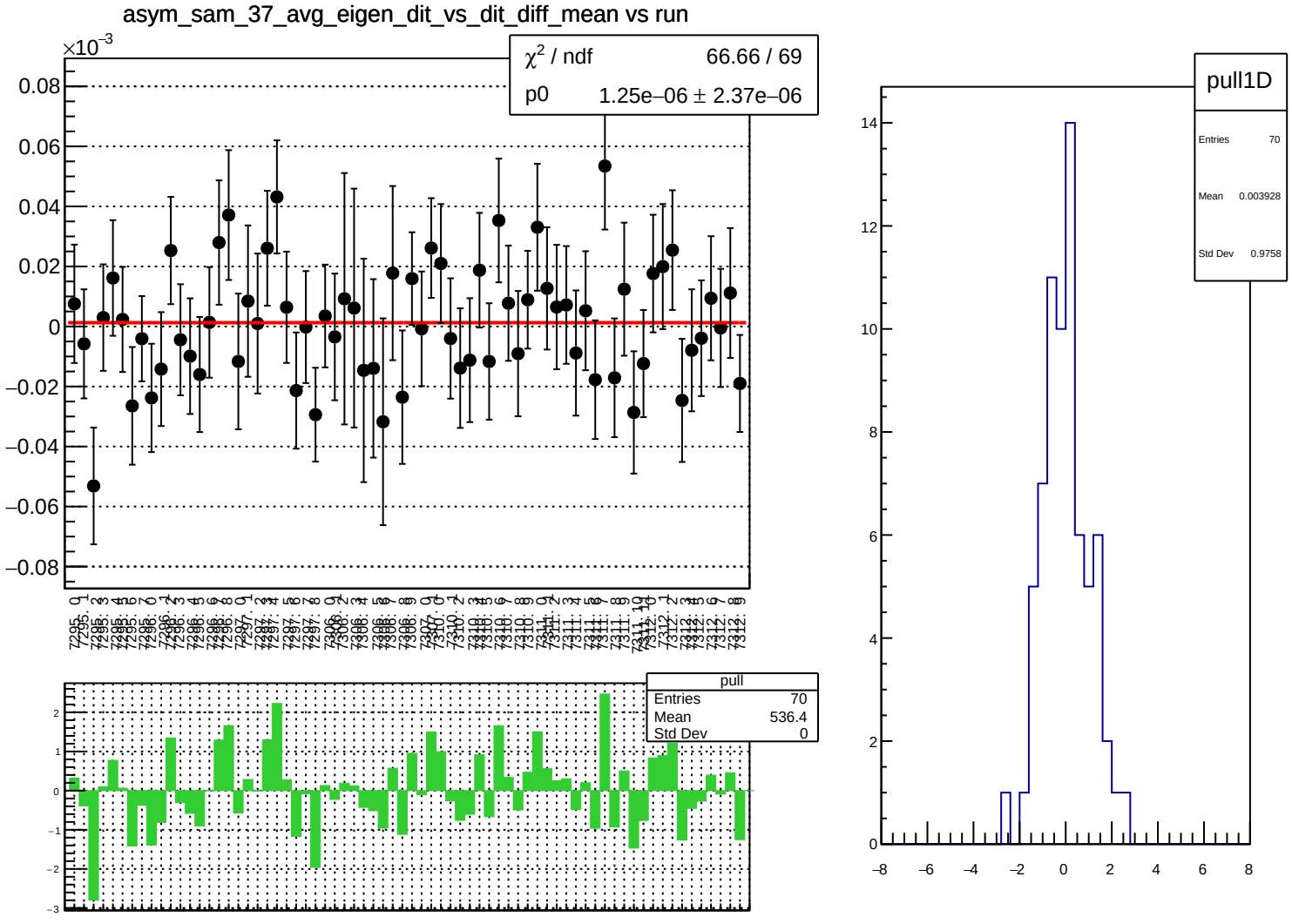

pull1D
Entries 70
Mean 0.06239
Std Dev 1.093

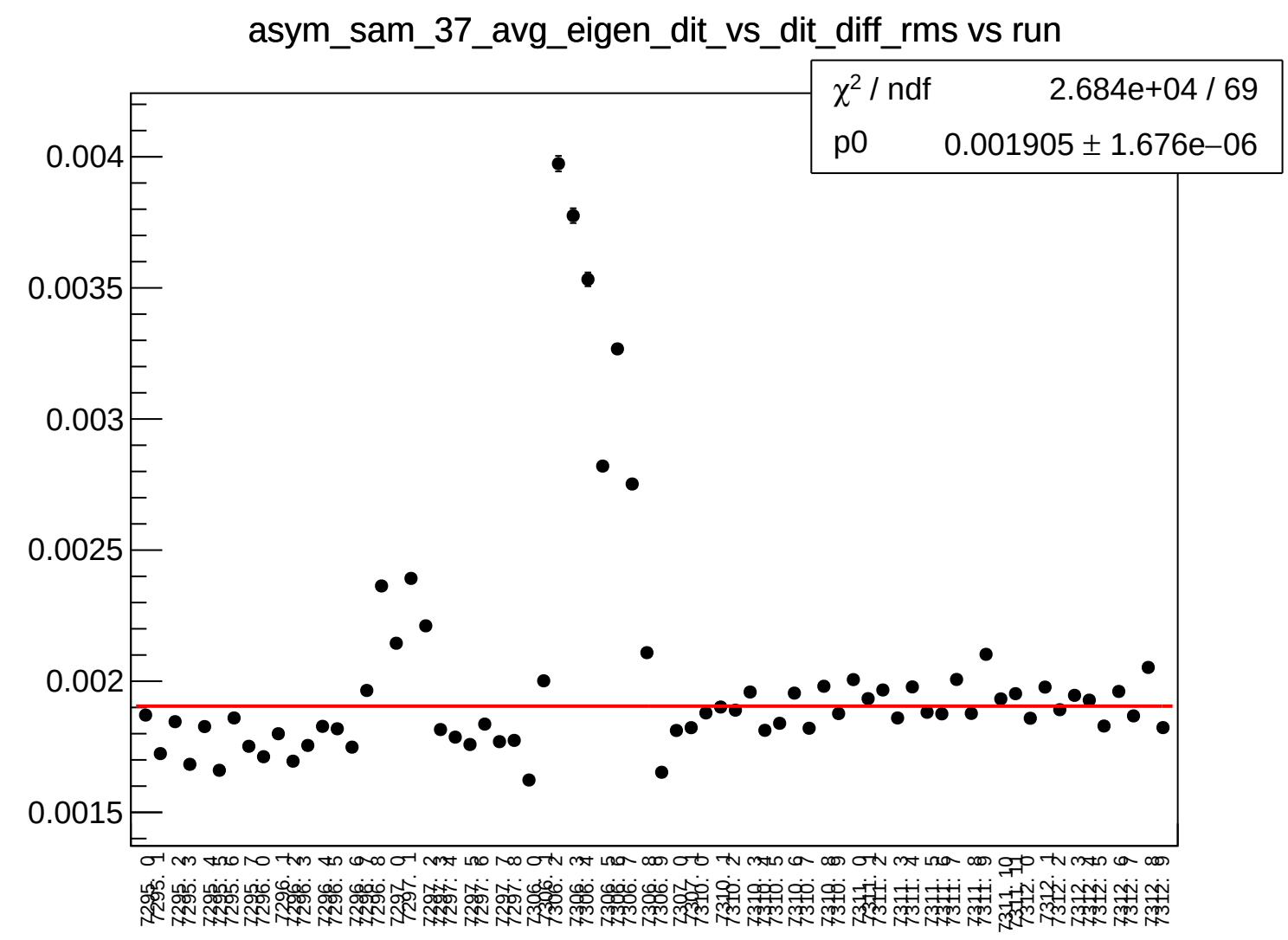

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.383e+05 / 69
p0 34.61 ± 0.03688
220
200
180
160
140
120
100
80
60
40
20

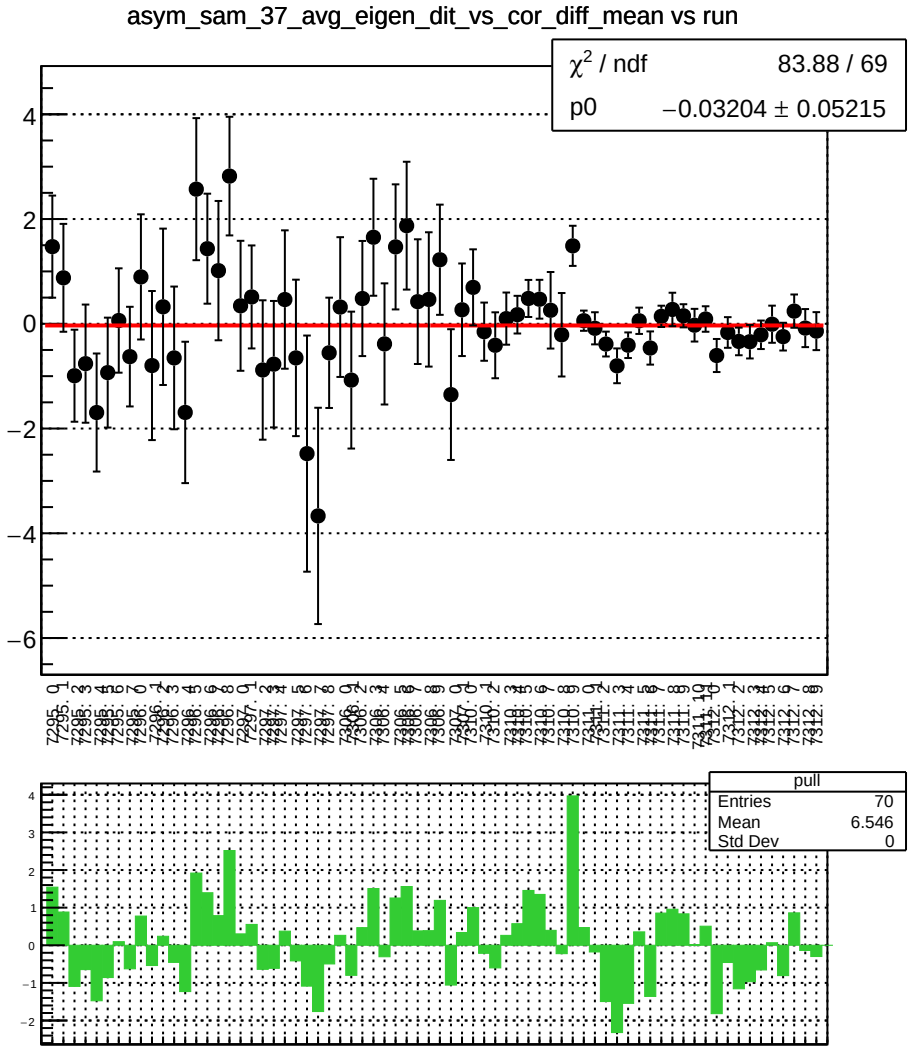

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.88 / 69
p0 −0.03205 ± 0.05215
pull
Entries 70
Mean 6.548
Std Dev 0

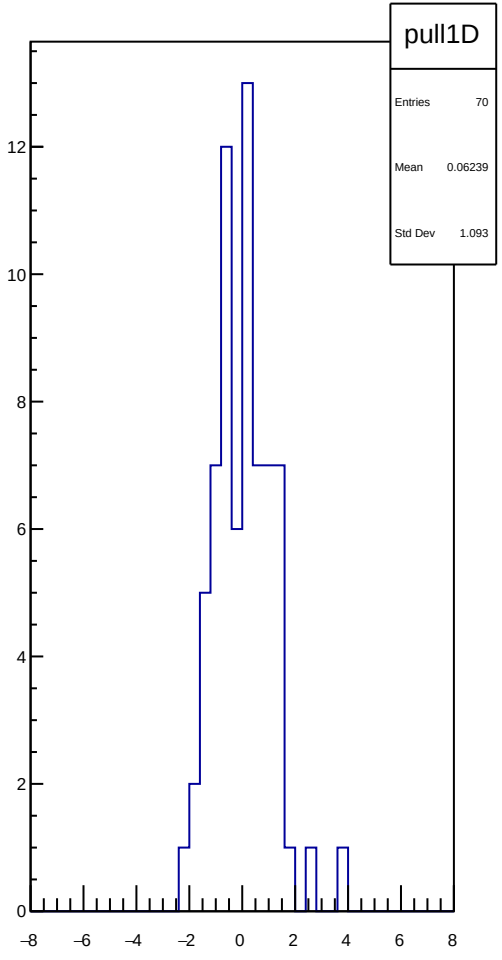

pull1D
Entries 70
Mean 0.06239
Std Dev 1.093

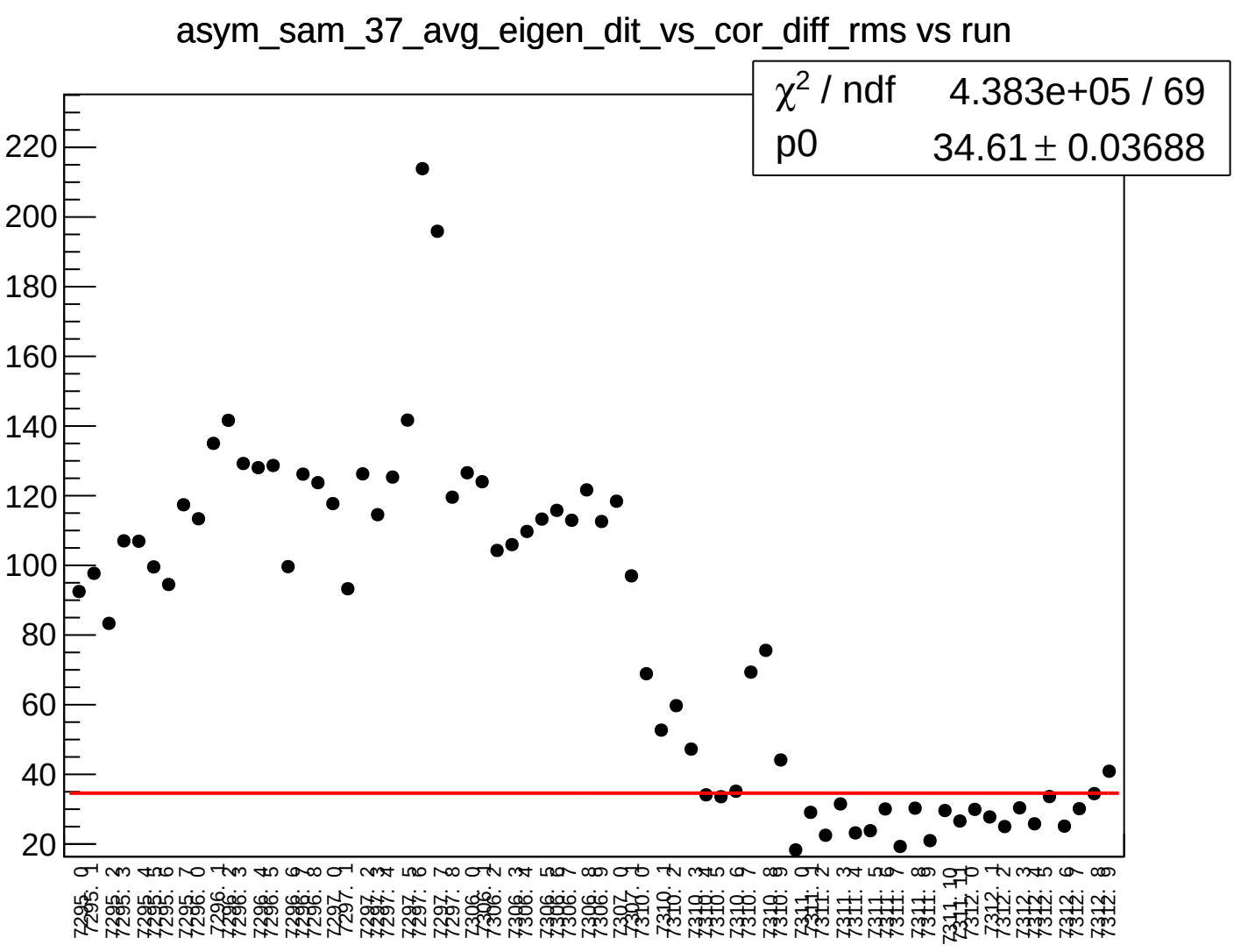

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.383e+05 / 69
p0 34.61 ± 0.03688
220
200
180
160
140
120
100
80
60
40
20

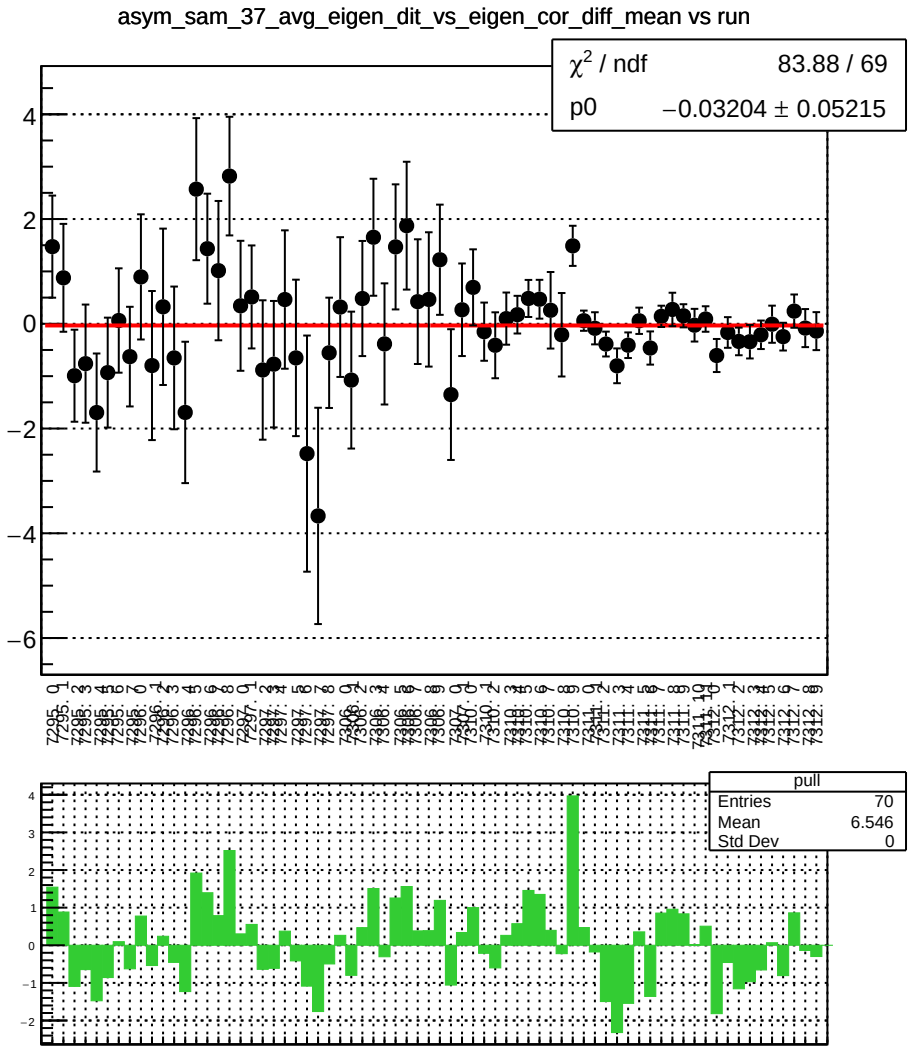

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.66 / 69
p0 1.25e–06 ± 2.37e–06
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
pull
Entries 70
Mean 536.4
Std Dev 0
pull1D
Entries 70
Mean 0.003928
Std Dev 0.9758
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

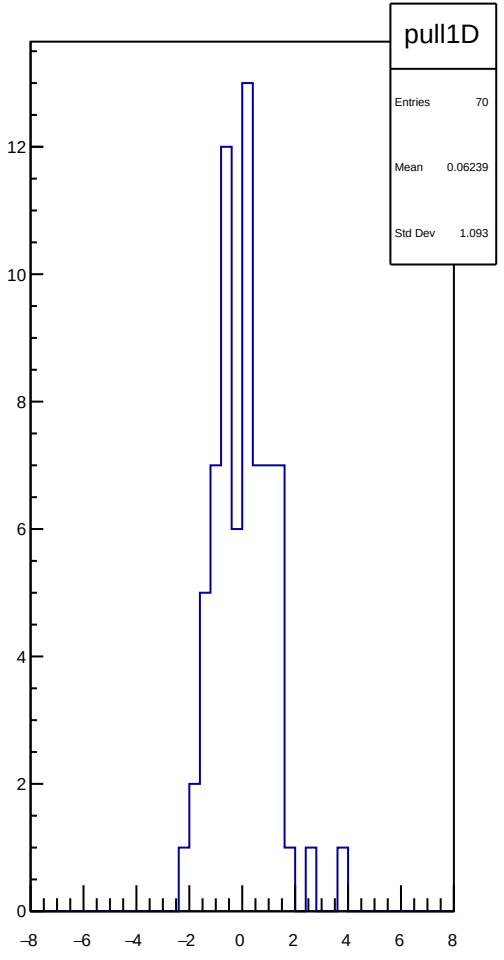

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.684e+04 / 69
p0 0.001905 ± 1.676e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

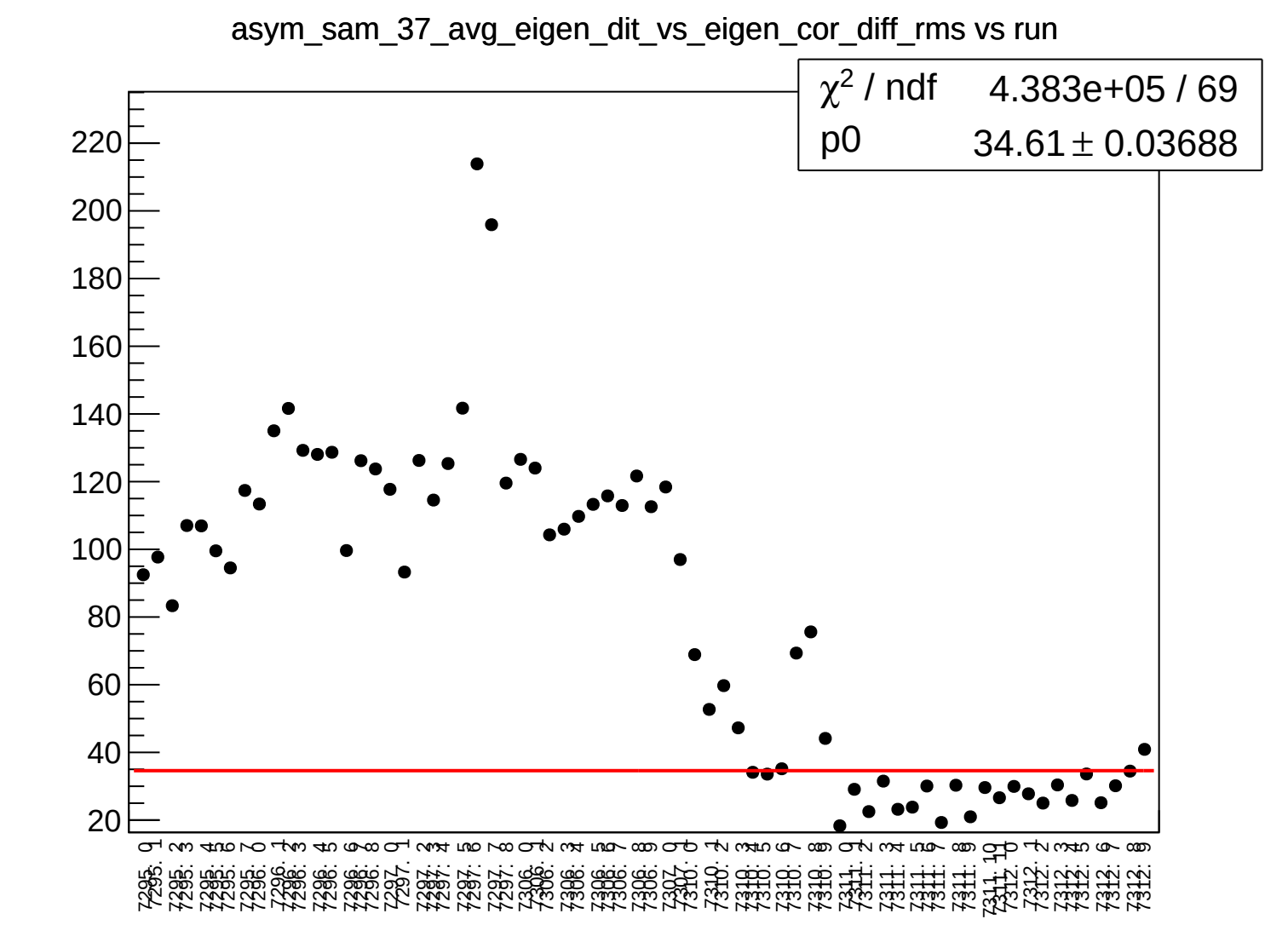

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.88 / 69
p0 −0.03204 ± 0.05215
pull
Entries 70
Mean 6.546
Std Dev 0

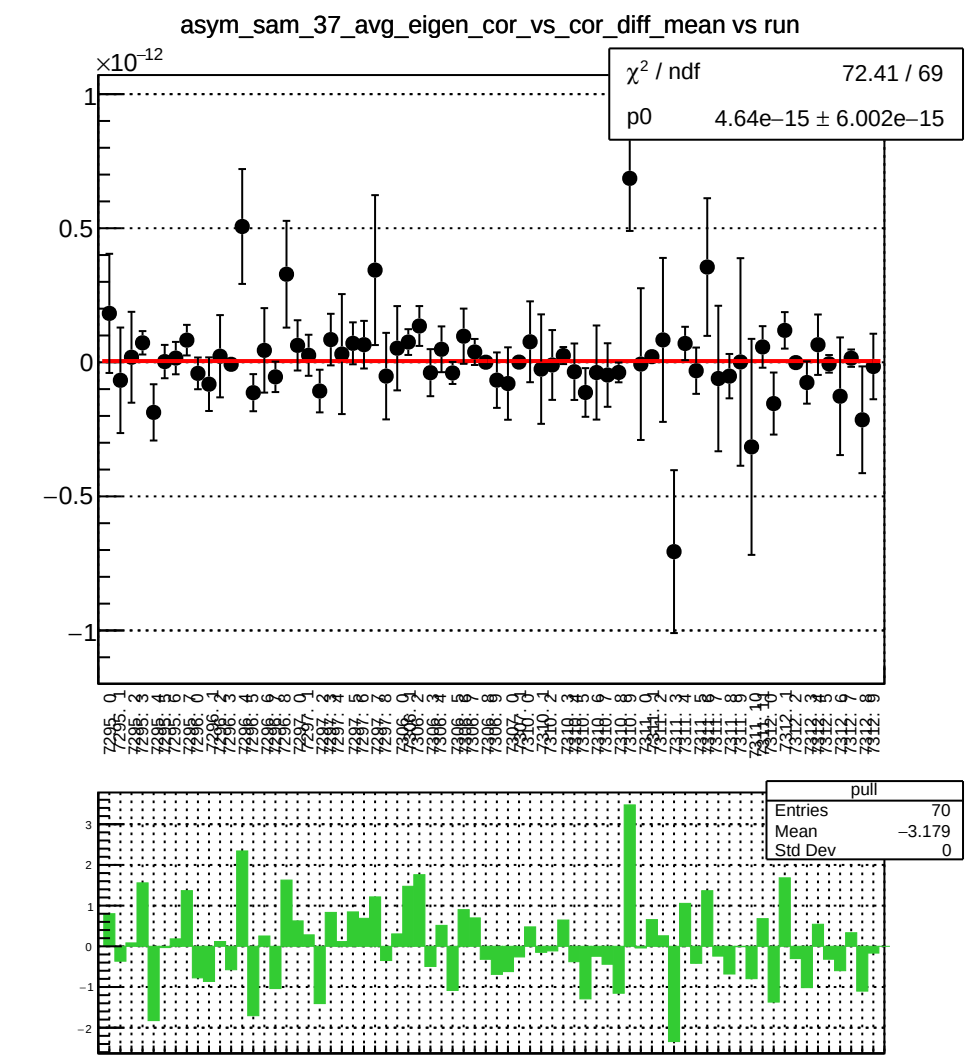

pull1D
Entries 70
Mean 0.06239
Std Dev 1.093

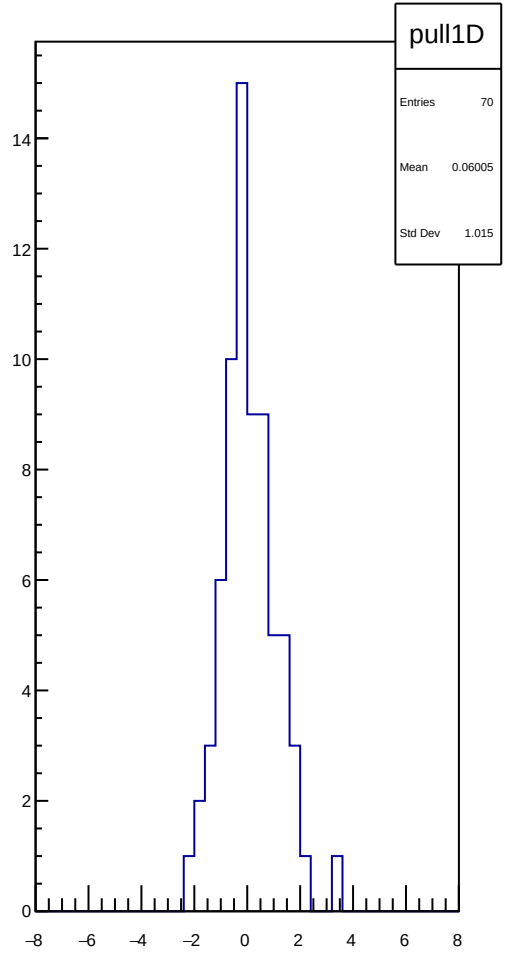

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.383e+05 / 69
p0 34.61 ± 0.03688
220
200
180
160
140
120
100
80
60
40
20

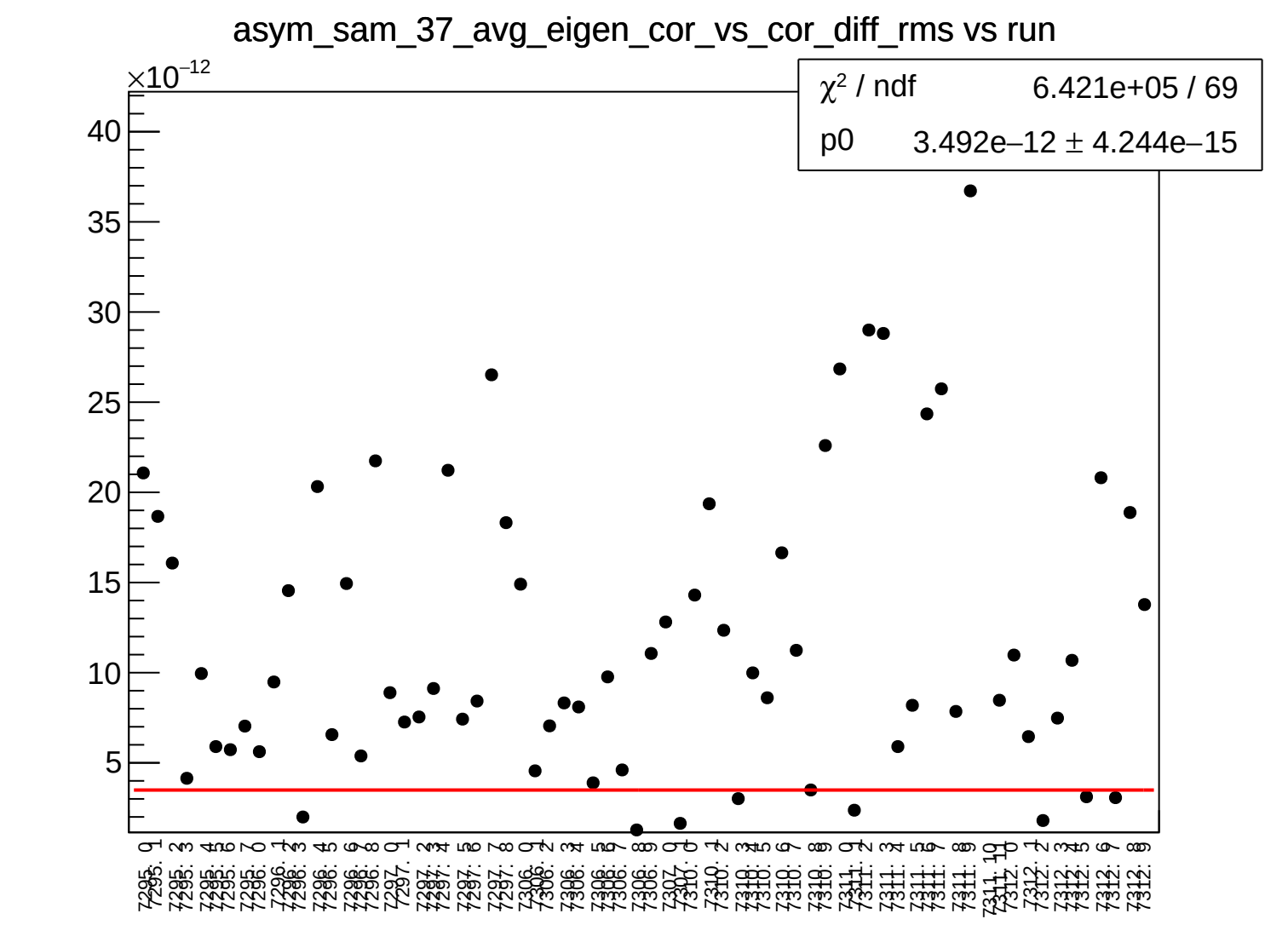

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.88 / 69
p0 −0.03204 ± 0.05215
pull
Entries 70
Mean 6.546
Std Dev 0

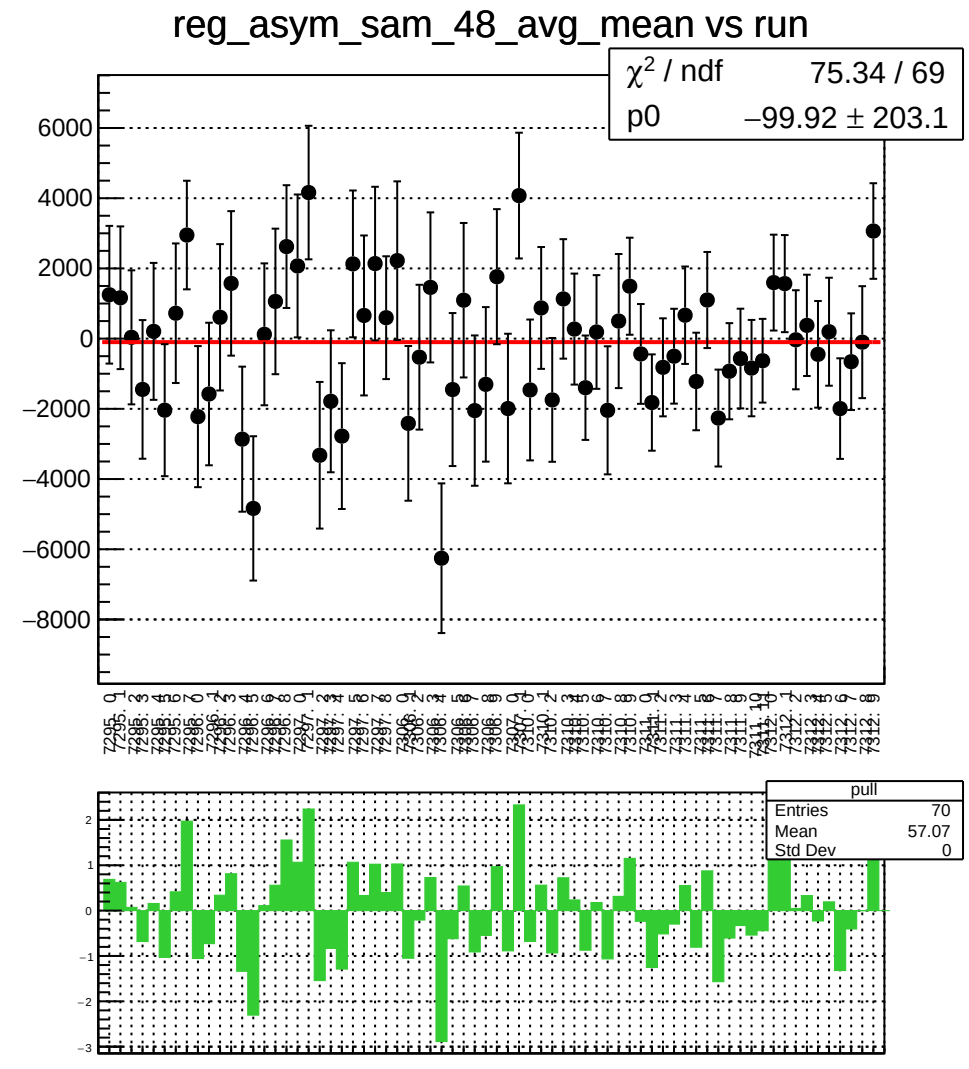

pull1D
Entries 70
Mean 0.06239
Std Dev 1.093

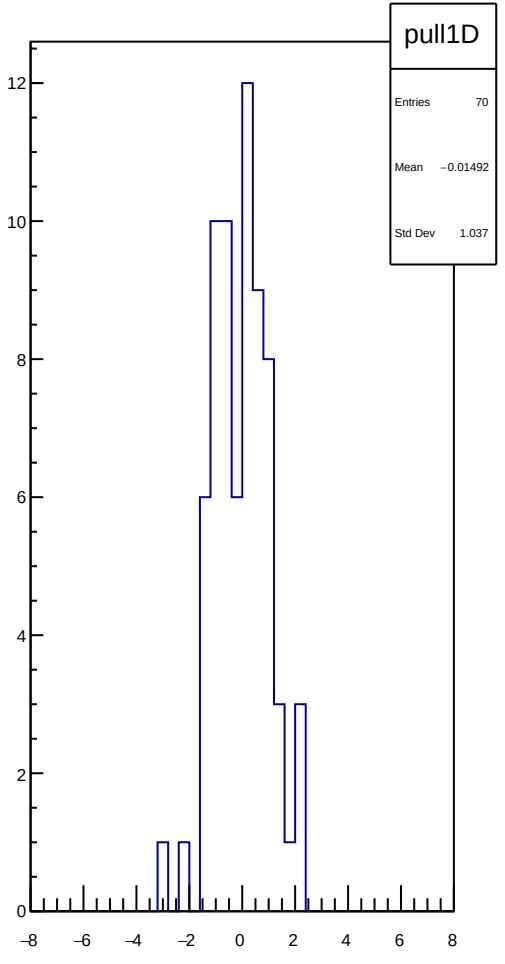

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.383e+05 / 69
p0 34.61 ± 0.03688
220
200
180
160
140
120
100
80
60
40
20

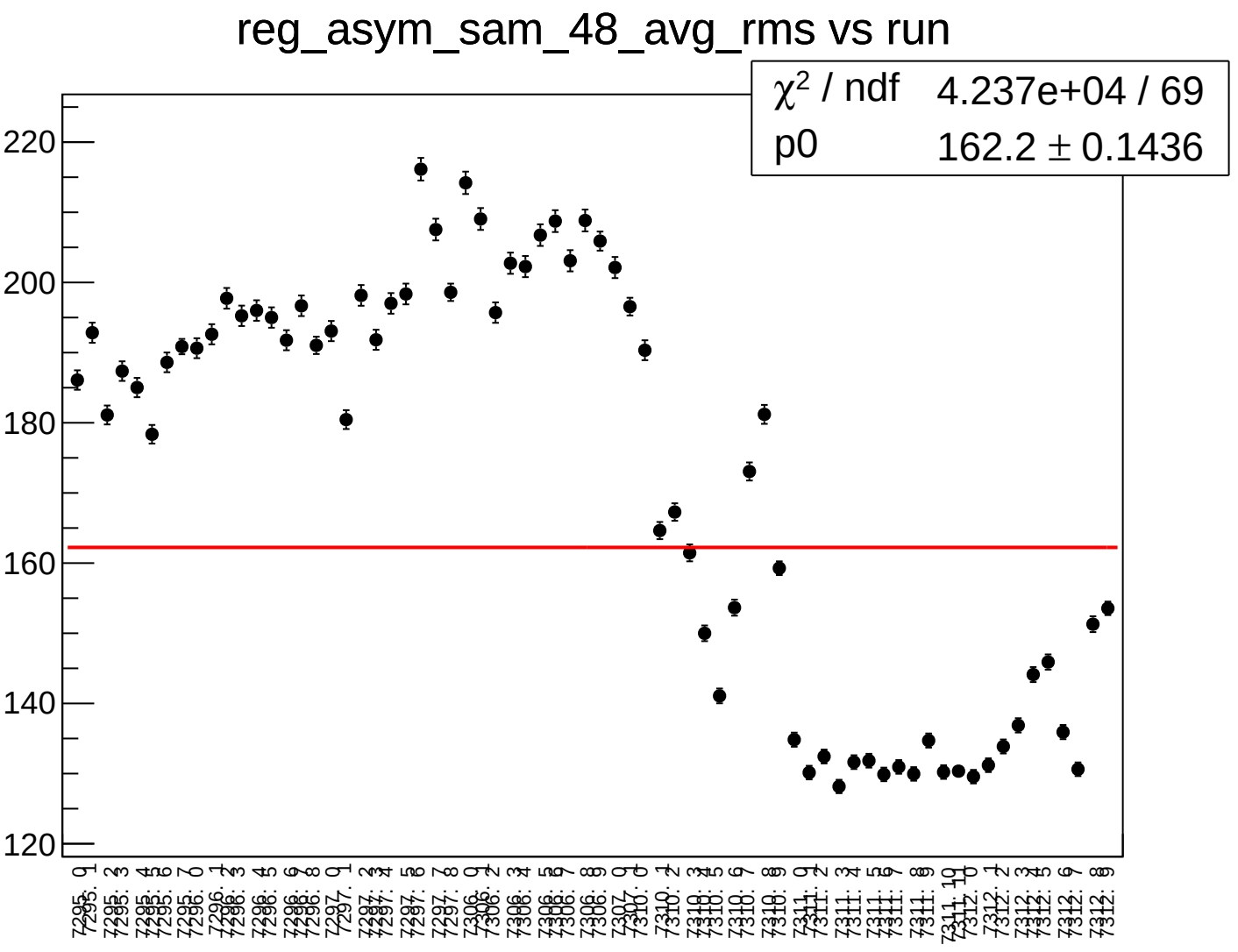

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.41 / 69
p0 4.64e−15 ± 6.002e−15
pull
Entries 70
Mean −3.179
Std Dev 0

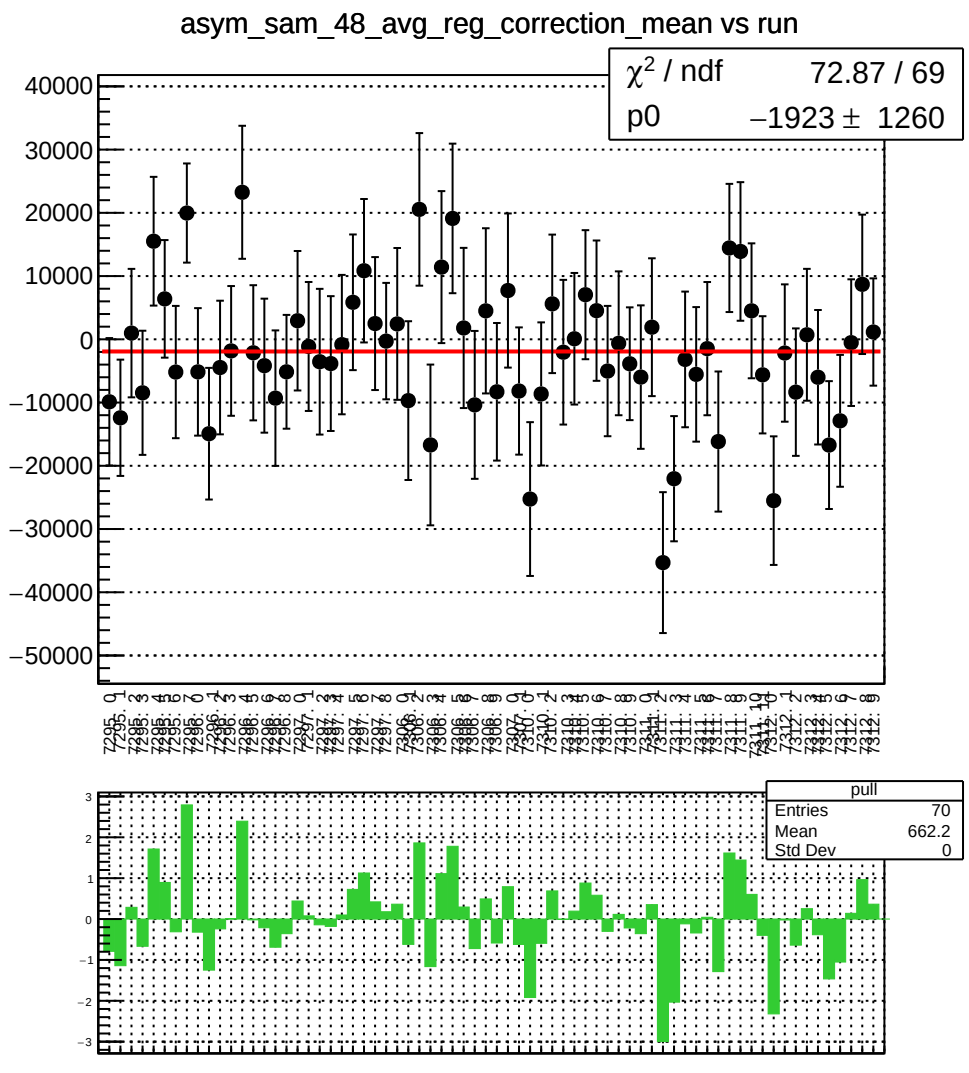

pull1D
Entries 70
Mean 0.06005
Std Dev 1.015

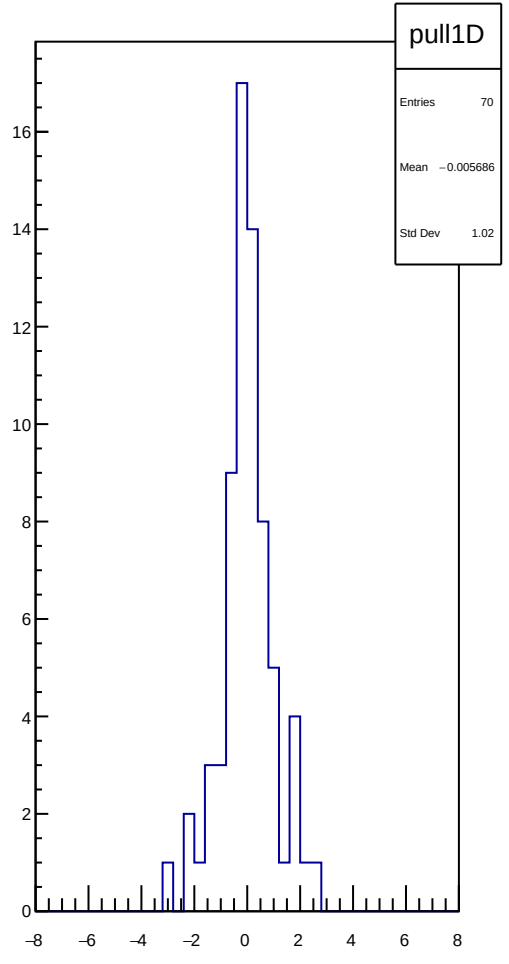

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.421e+05 / 69
p0 3.492e−12 ± 4.244e−15
40
35
30
25
20
15
10
5

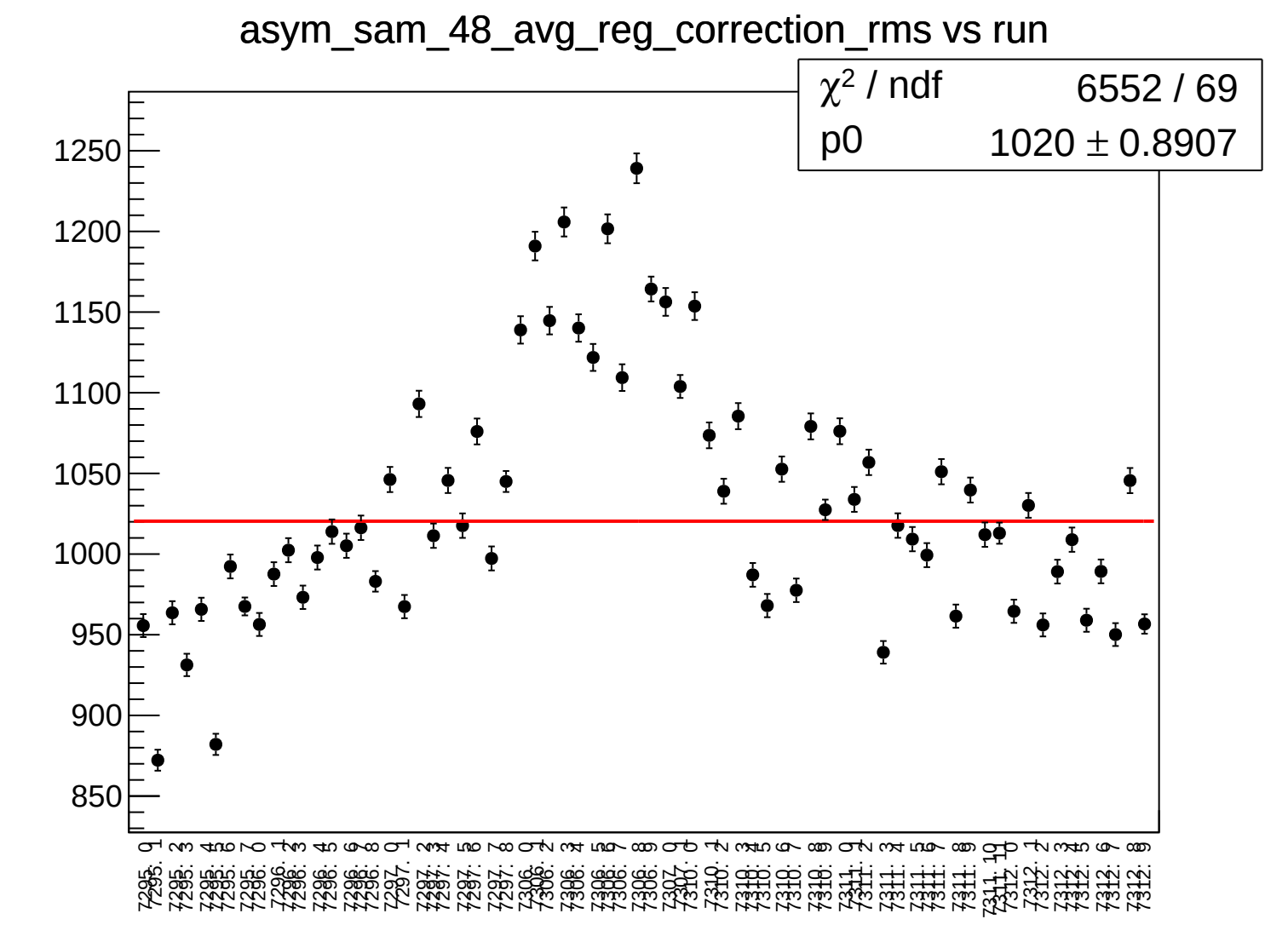

reg_asym_sam_48_avg_mean vs run
χ² / ndf 75.34 / 69
p0 −99.92 ± 203.1
pull
Entries 70
Mean 57.07
Std Dev 0

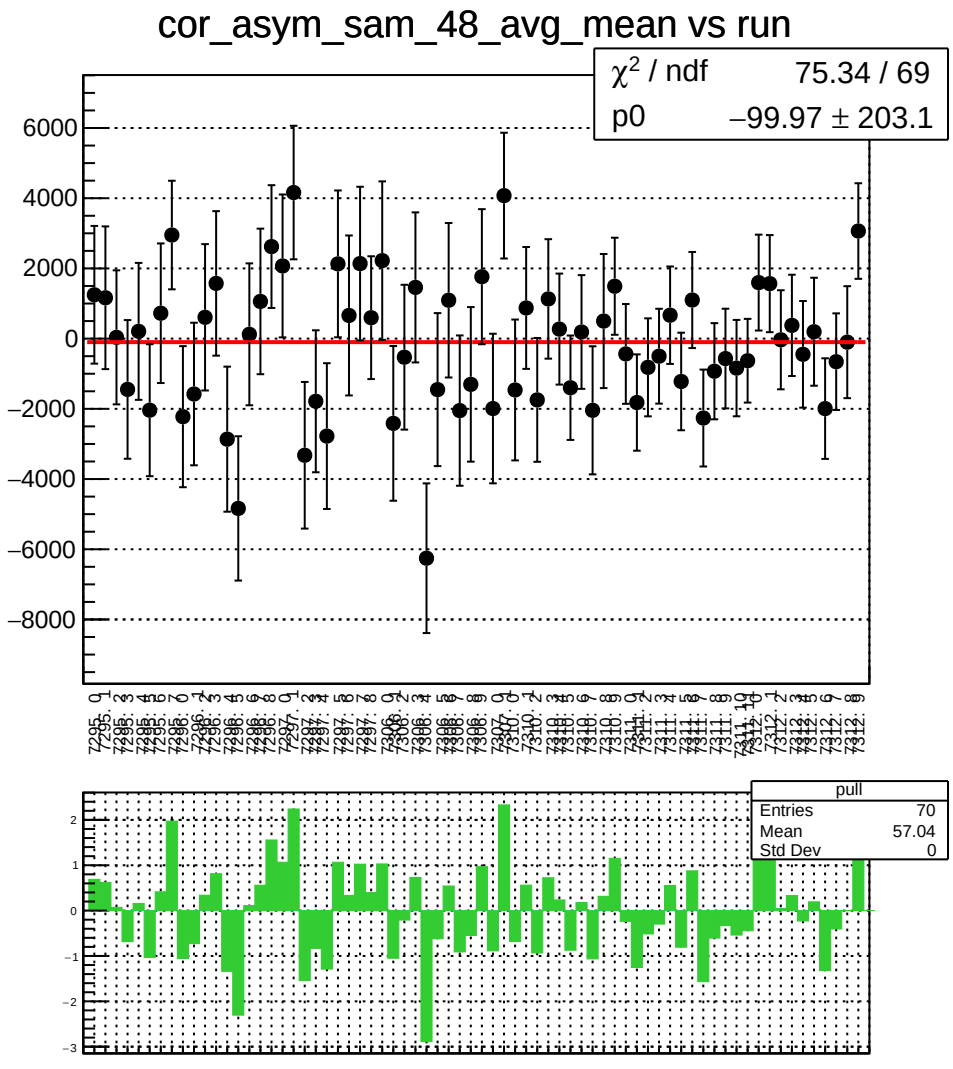

pull1D
Entries 70
Mean −0.01492
Std Dev 1.037

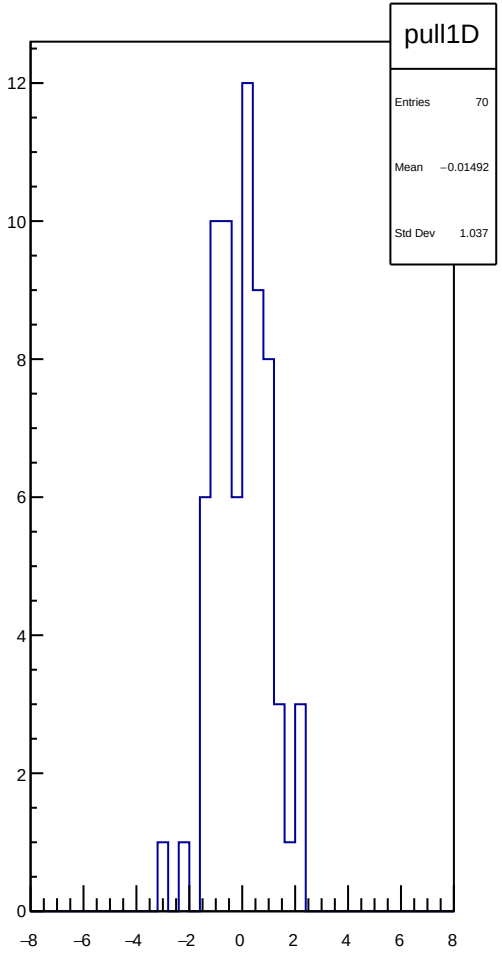

reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 4.237e+04 / 69
p0 162.2 ± 0.1436
220
200
180
160
140
120

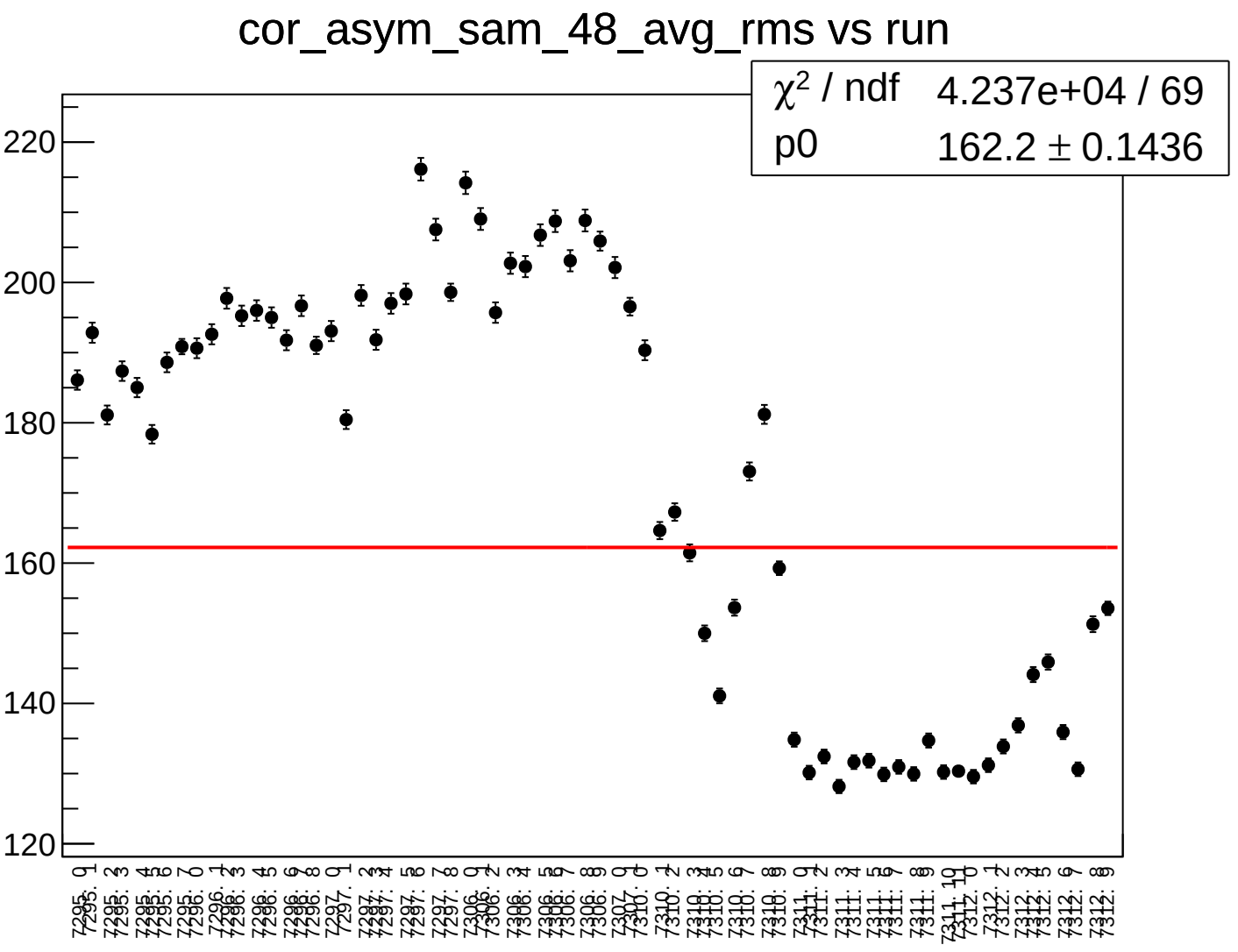

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 72.87 / 69
p0 −1923 ± 1260
pull
Entries 70
Mean 662.2
Std Dev 0

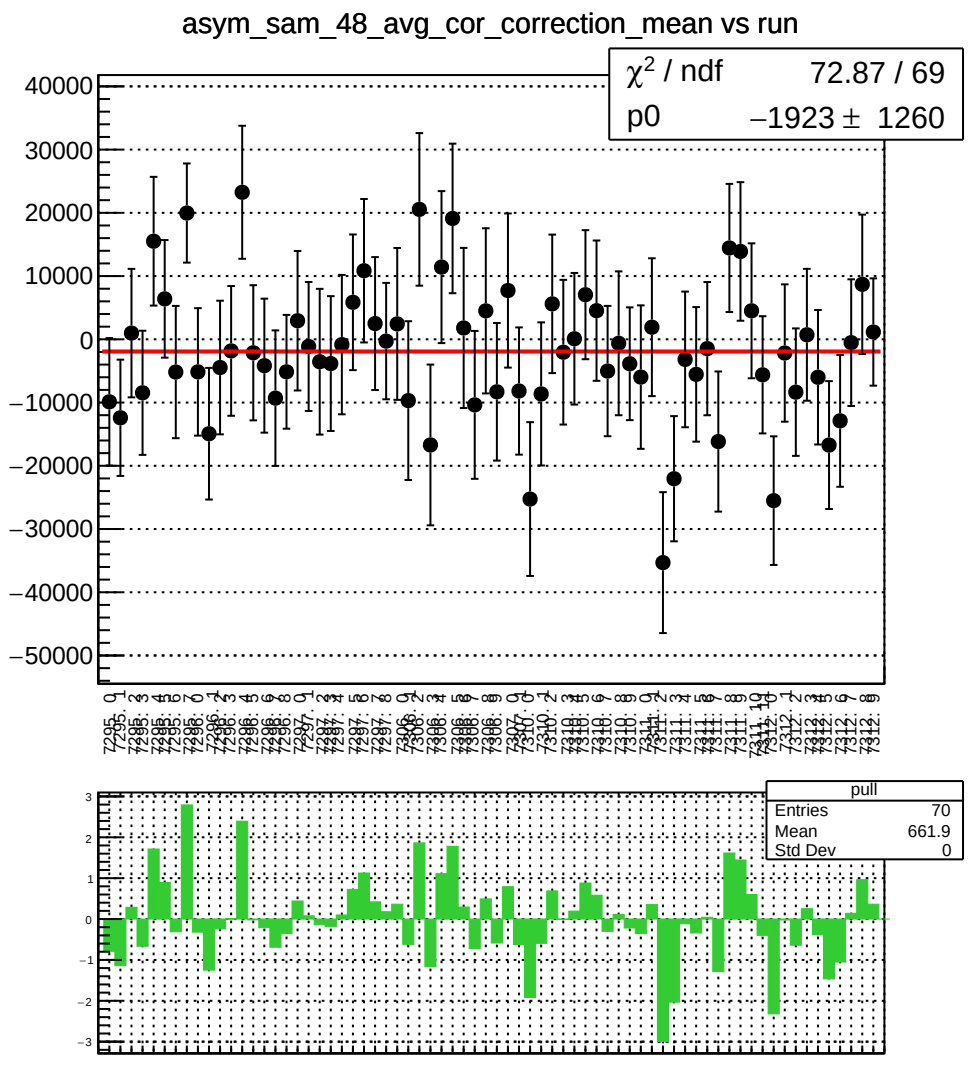

pull1D
Entries 70
Mean −0.005686
Std Dev 1.02

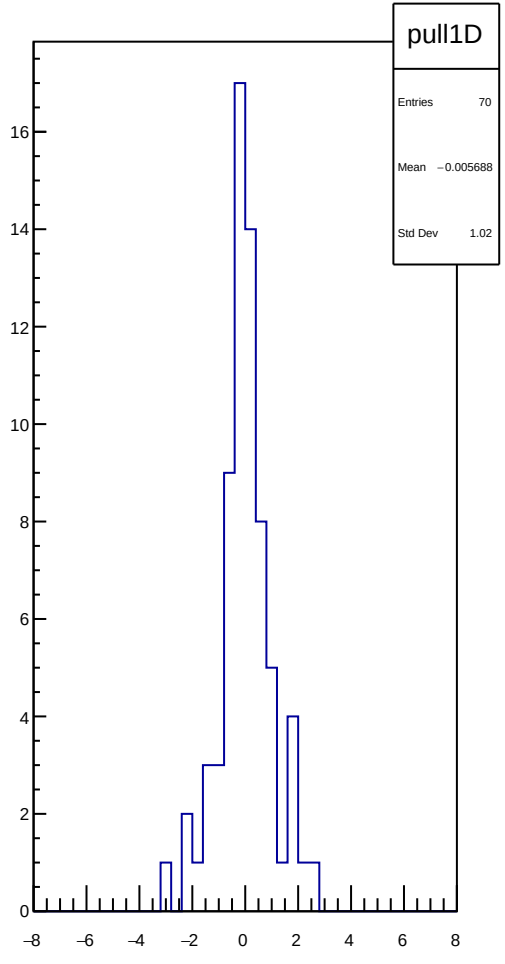

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 6552 / 69
p0 1020 ± 0.8907
1250
1200
1150
1100
1050
1000
950
900
850

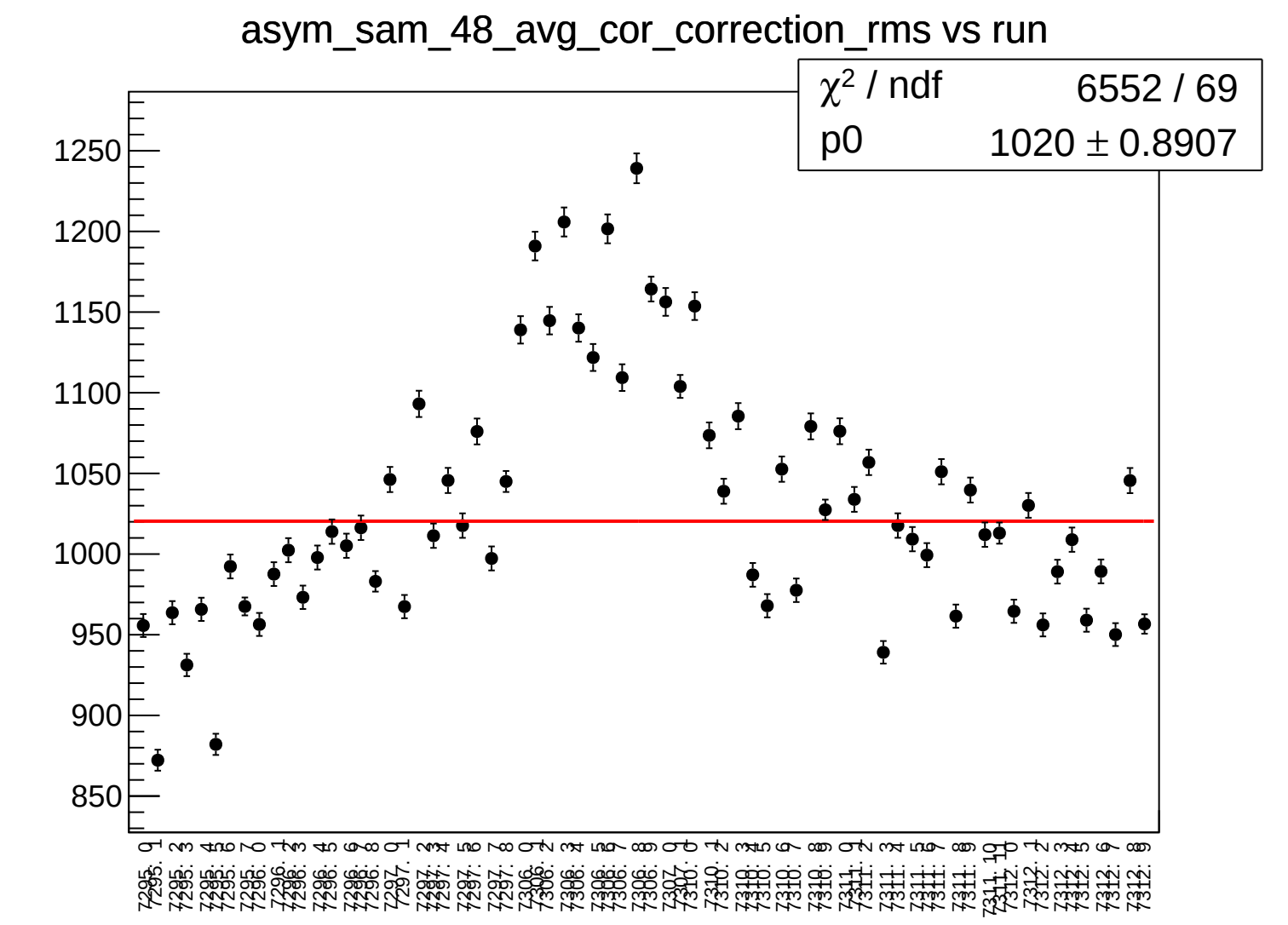

cor_asym_sam_48_avg_mean vs run
χ² / ndf 75.34 / 69
p0 −99.97 ± 203.1
pull
Entries 70
Mean 57.04
Std Dev 0

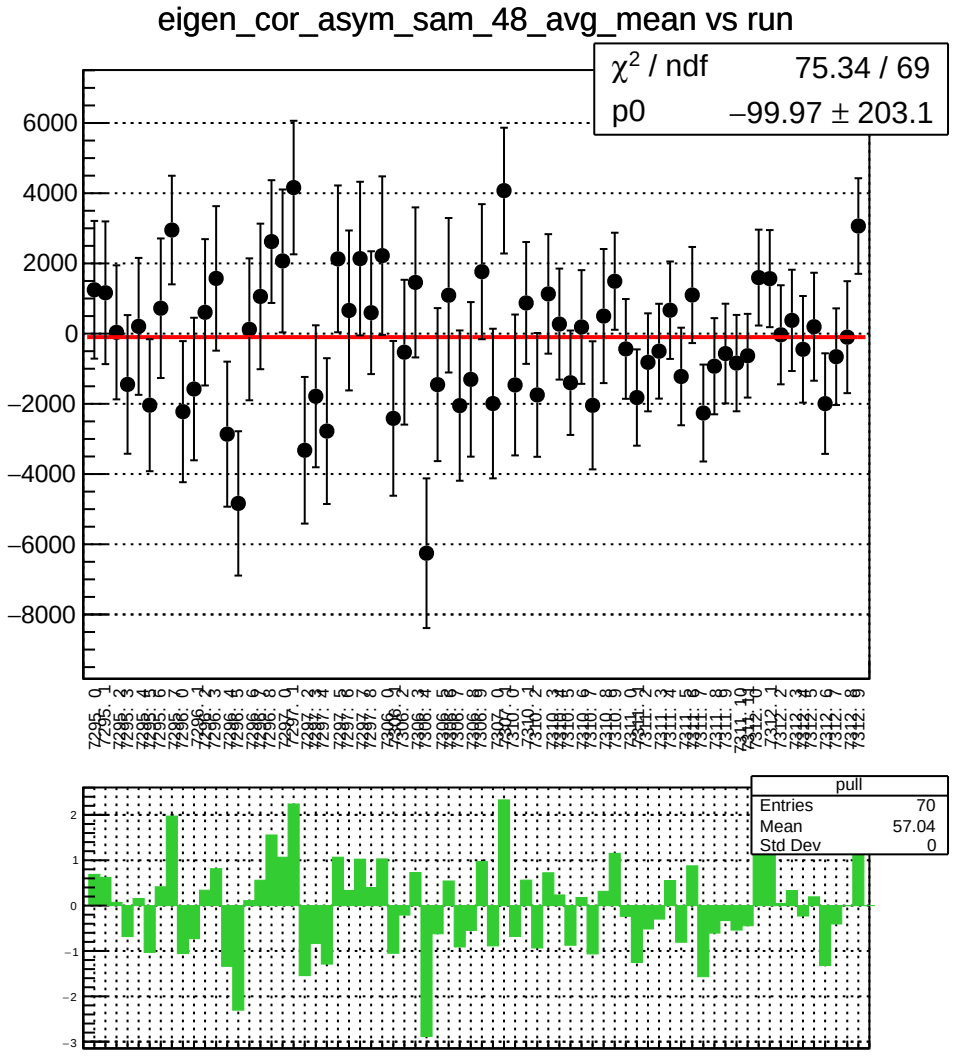

pull1D
Entries 70
Mean −0.01492
Std Dev 1.037

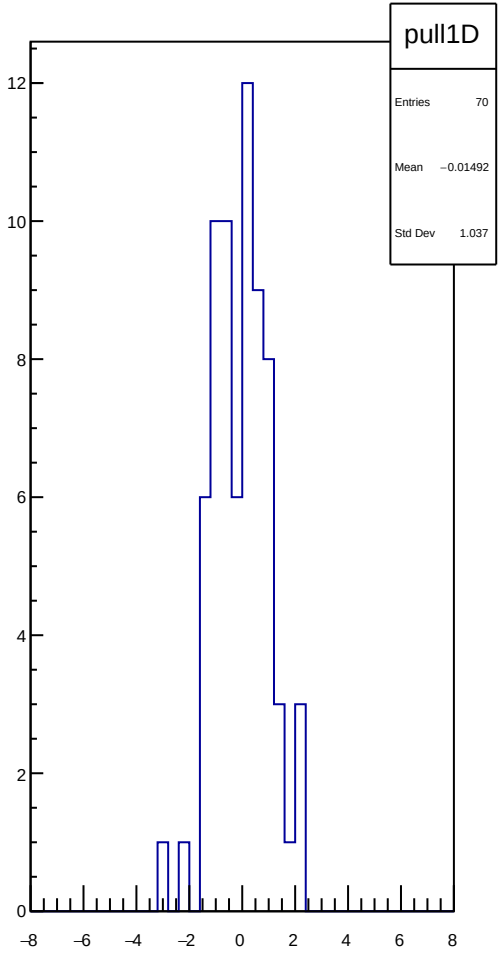

cor_asym_sam_48_avg_rms vs run
χ² / ndf 4.237e+04 / 69
p0 162.2 ± 0.1436
220
200
180
160
140
120

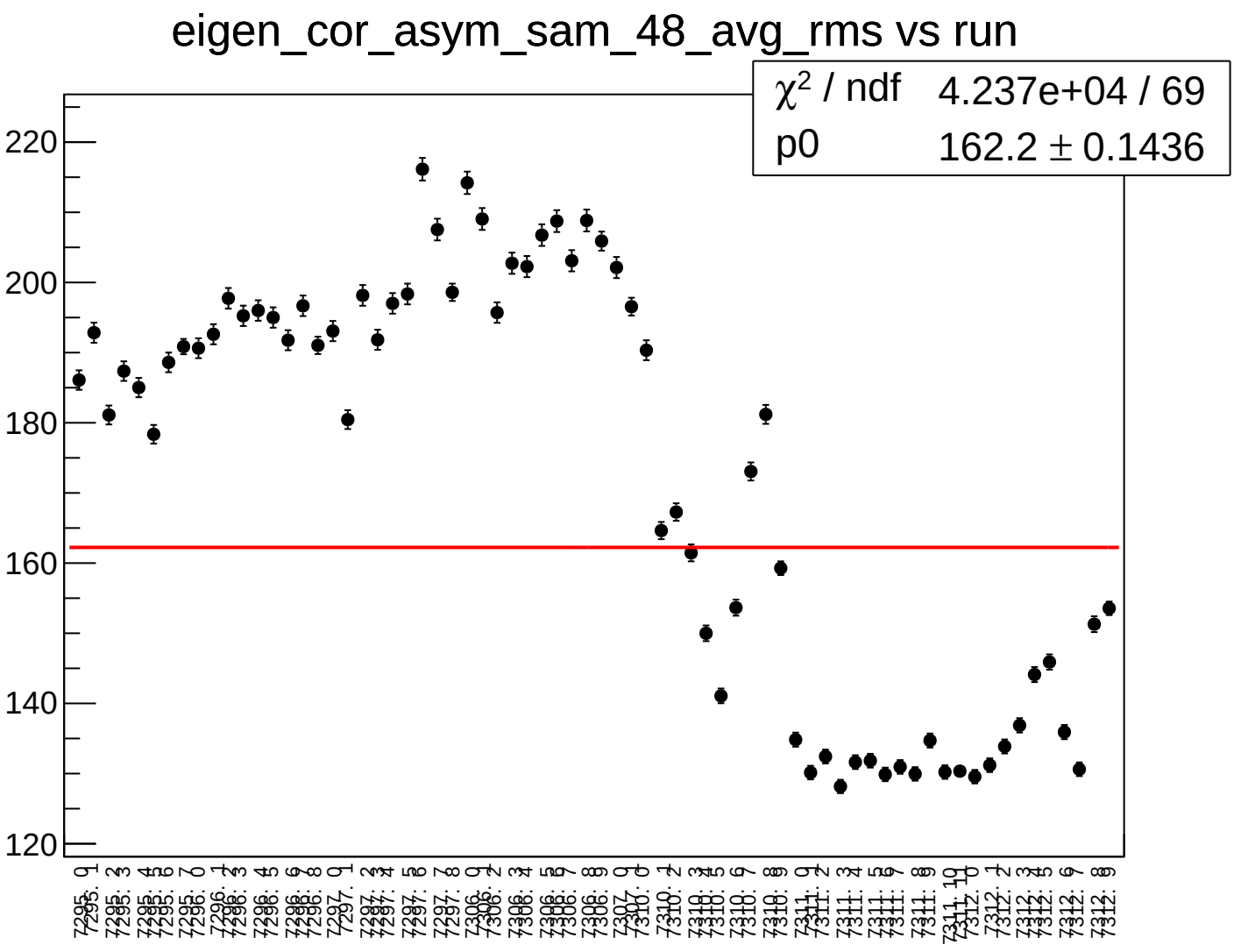

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 72.87 / 69
p0 −1923 ± 1260
pull
Entries 70
Mean 661.9
Std Dev 0

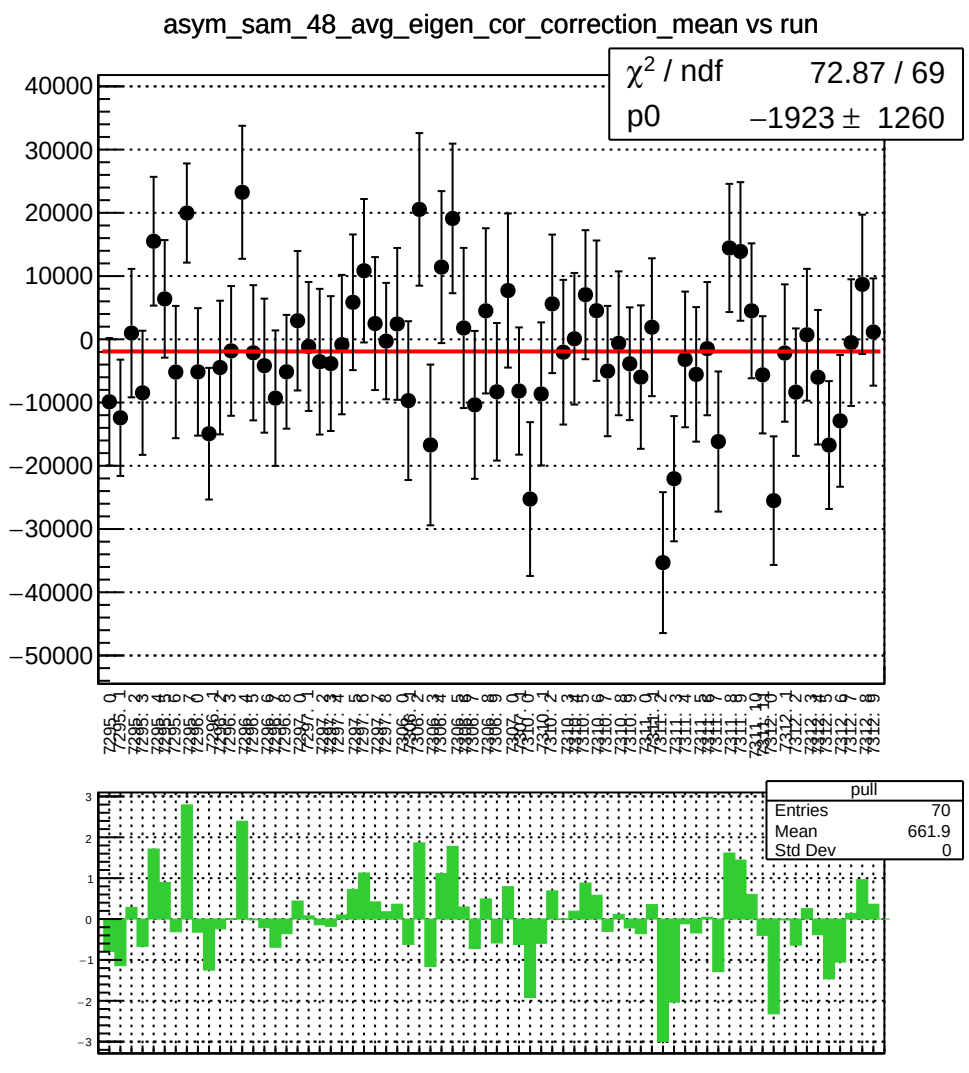

pull1D
Entries 70
Mean −0.005688
Std Dev 1.02

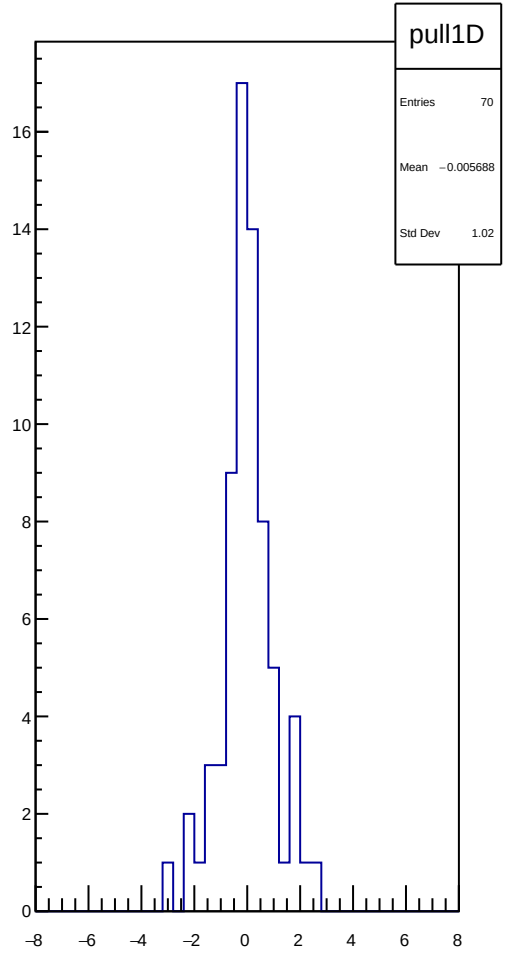

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 6552 / 69
p0 1020 ± 0.8907
1250
1200
1150
1100
1050
1000
950
900
850

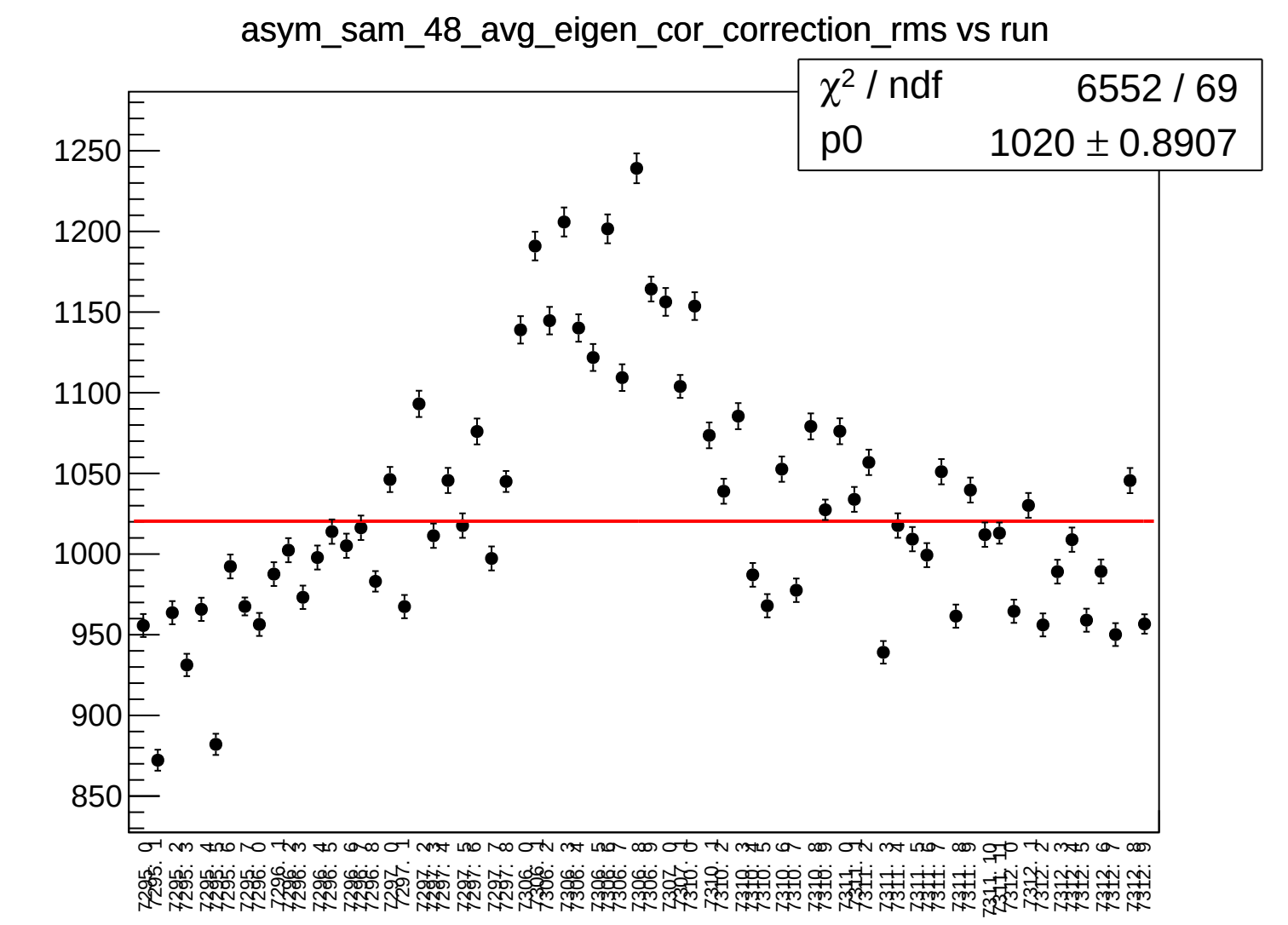

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 75.34 / 69
p0 −99.97 ± 203.1
pull
Entries 70
Mean 57.04
Std Dev 0

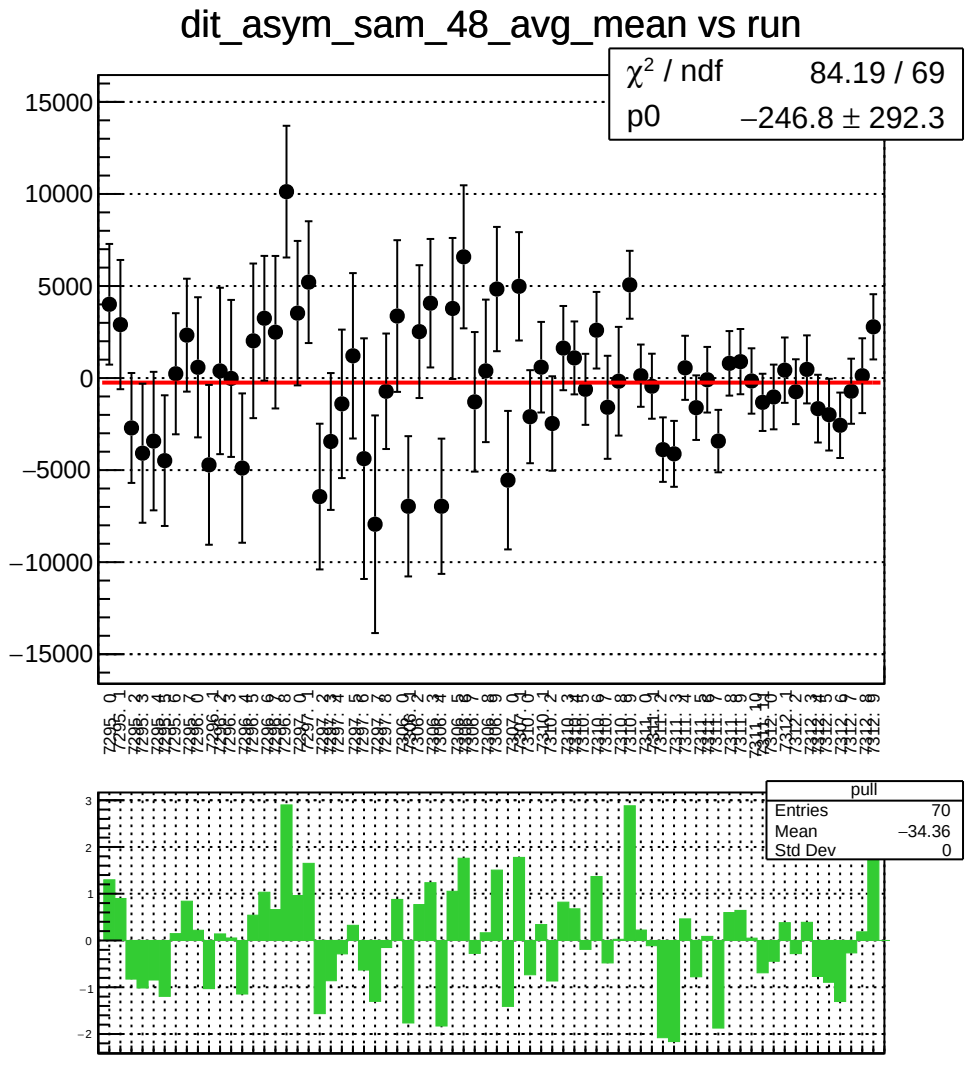

pull1D
Entries 70
Mean −0.01492
Std Dev 1.037

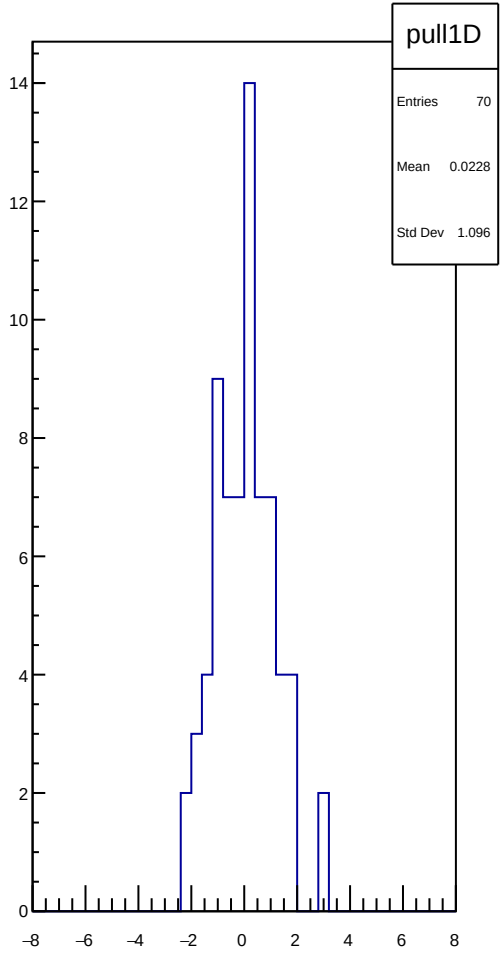

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 4.237e+04 / 69
p0 162.2 ± 0.1436
220
200
180
160
140
120

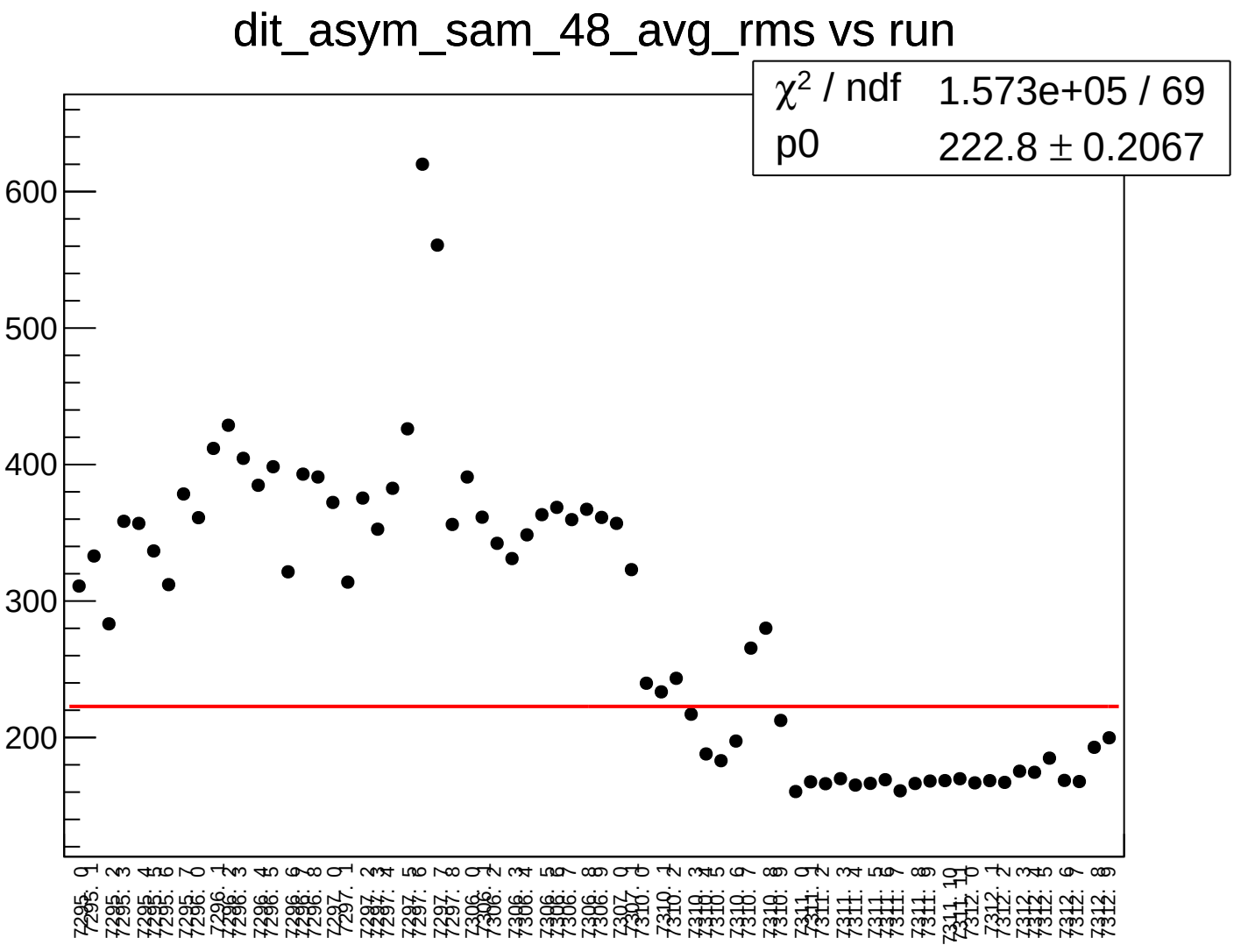

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.87 / 69
p0 −1923 ± 1260
pull
Entries 70
Mean 661.9
Std Dev 0

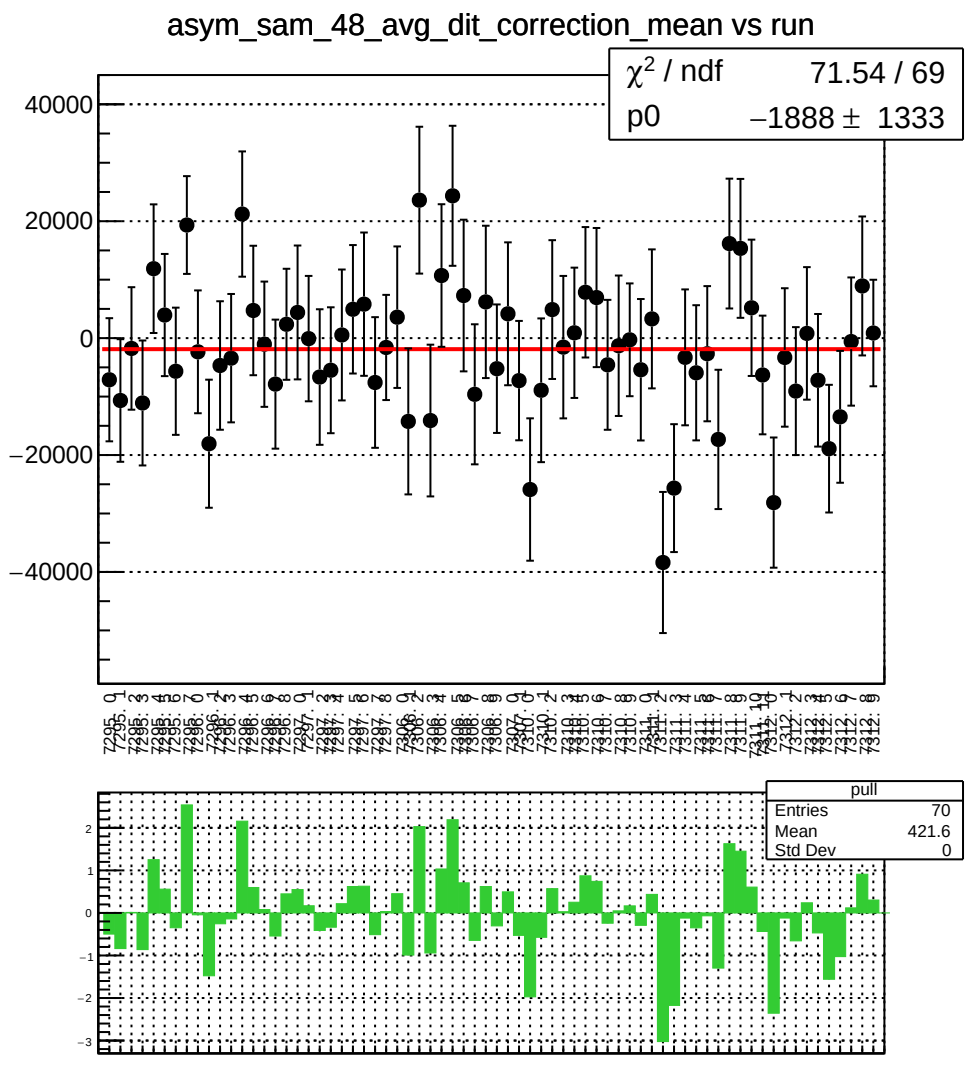

pull1D
Entries 70
Mean −0.005688
Std Dev 1.02

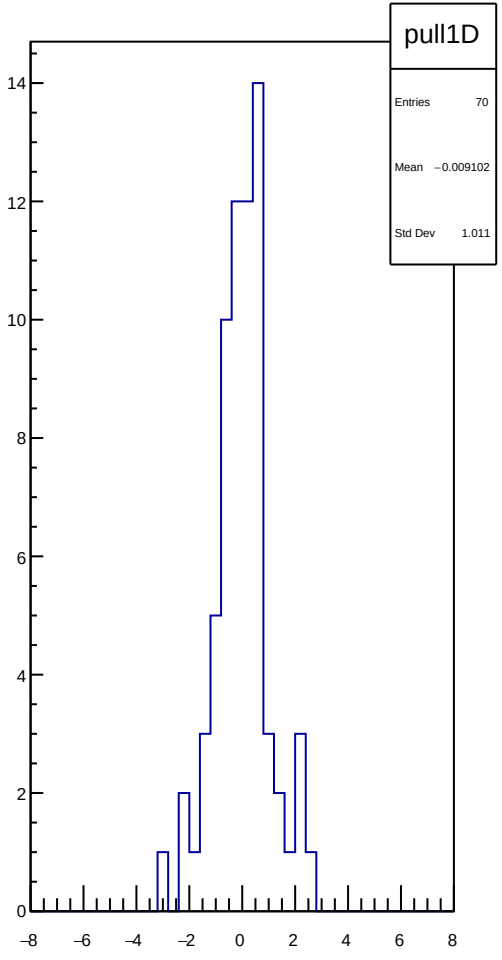

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 6552 / 69
p0 1020 ± 0.8907
1250
1200
1150
1100
1050
1000
950
900
850

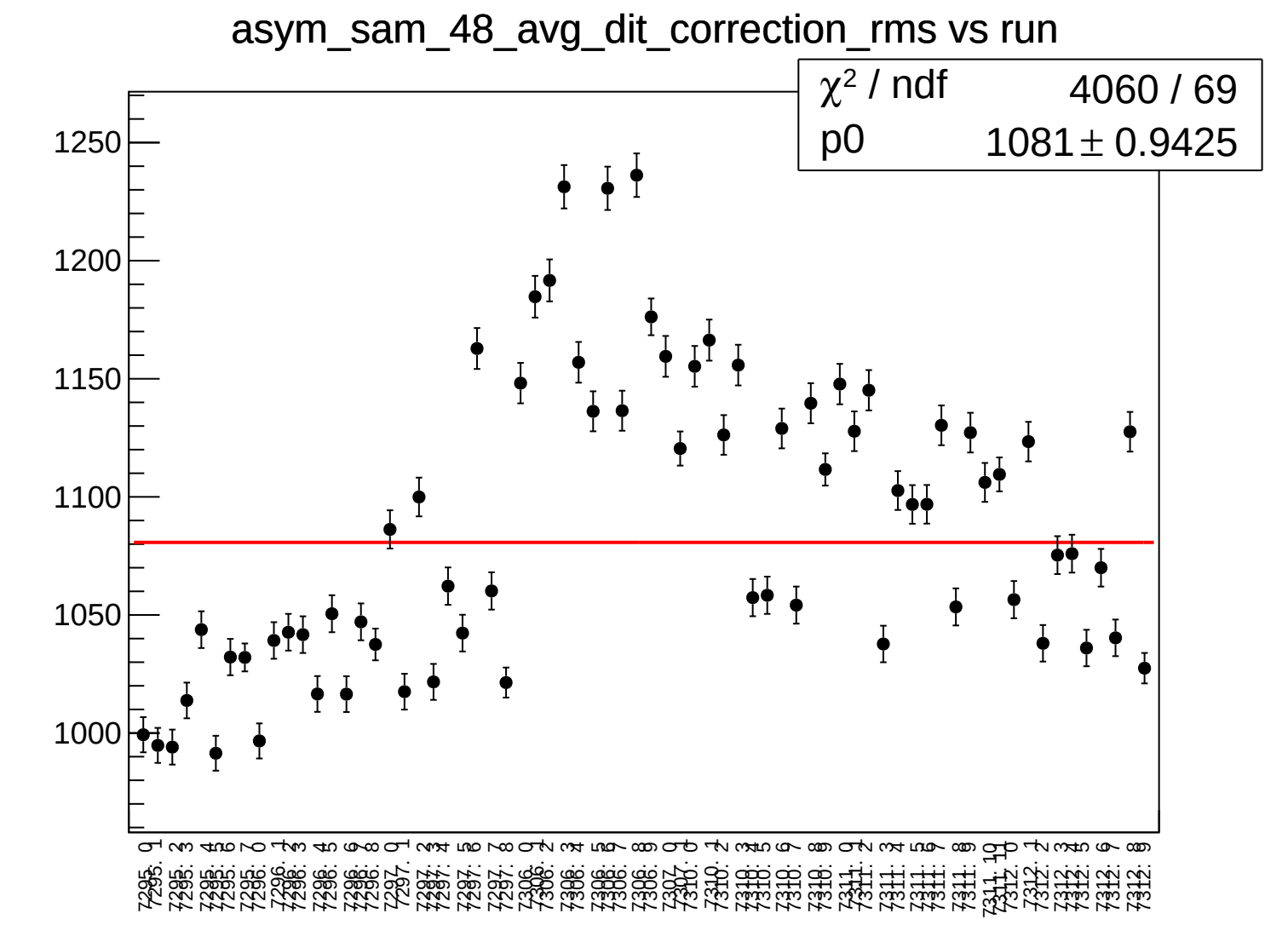

dit_asym_sam_48_avg_mean vs run
χ² / ndf 84.19 / 69
p0 −246.8 ± 292.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean −34.36
Std Dev 0
3
2
1
0
−1
−2

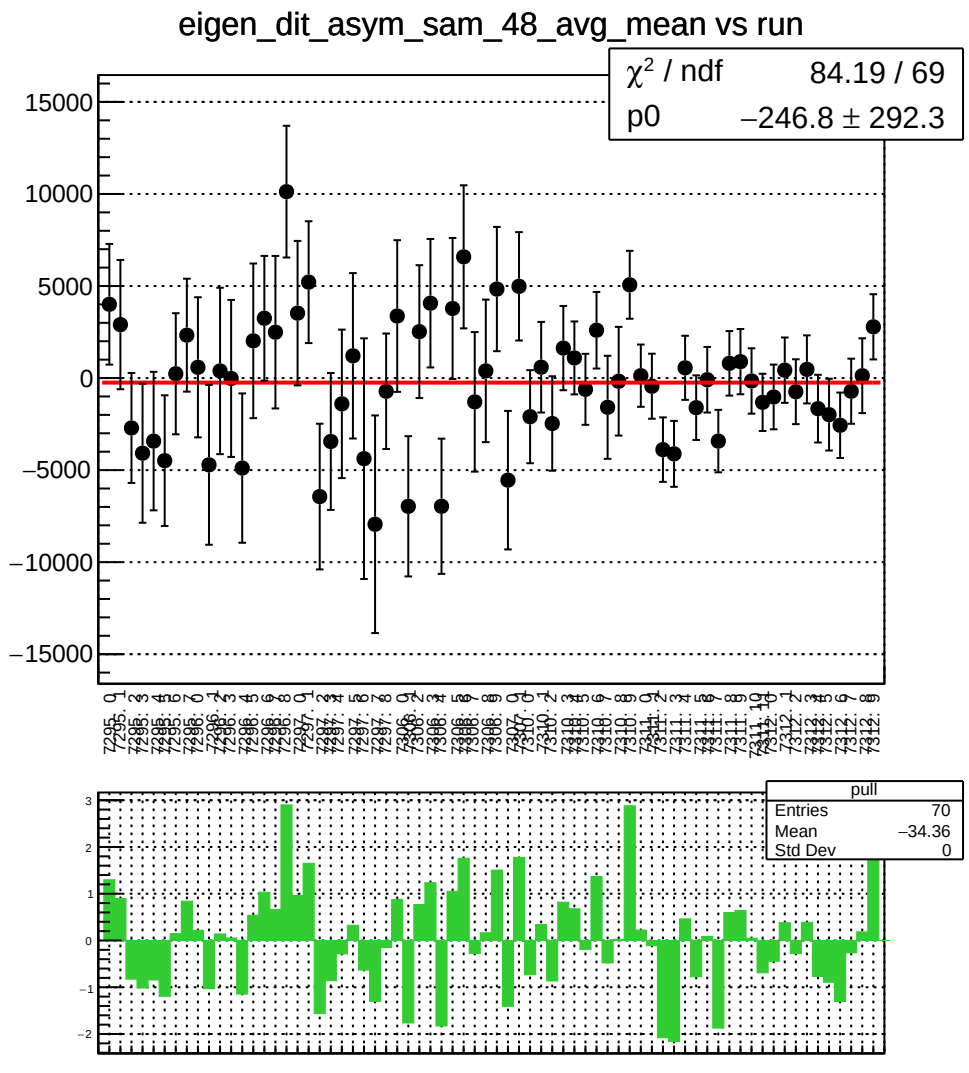

pull1D
Entries 70
Mean 0.0228
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

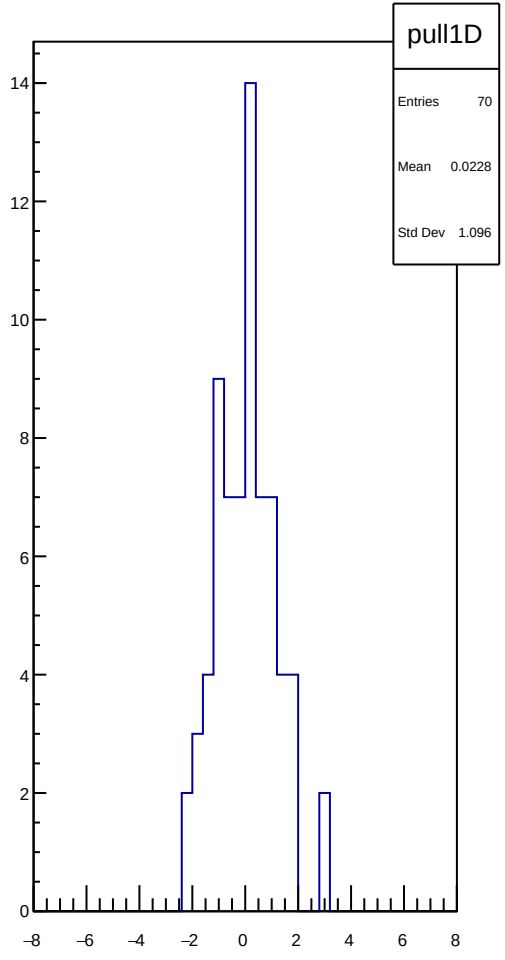

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.573e+05 / 69
p0 222.8 ± 0.2067
600
500
400
300
200

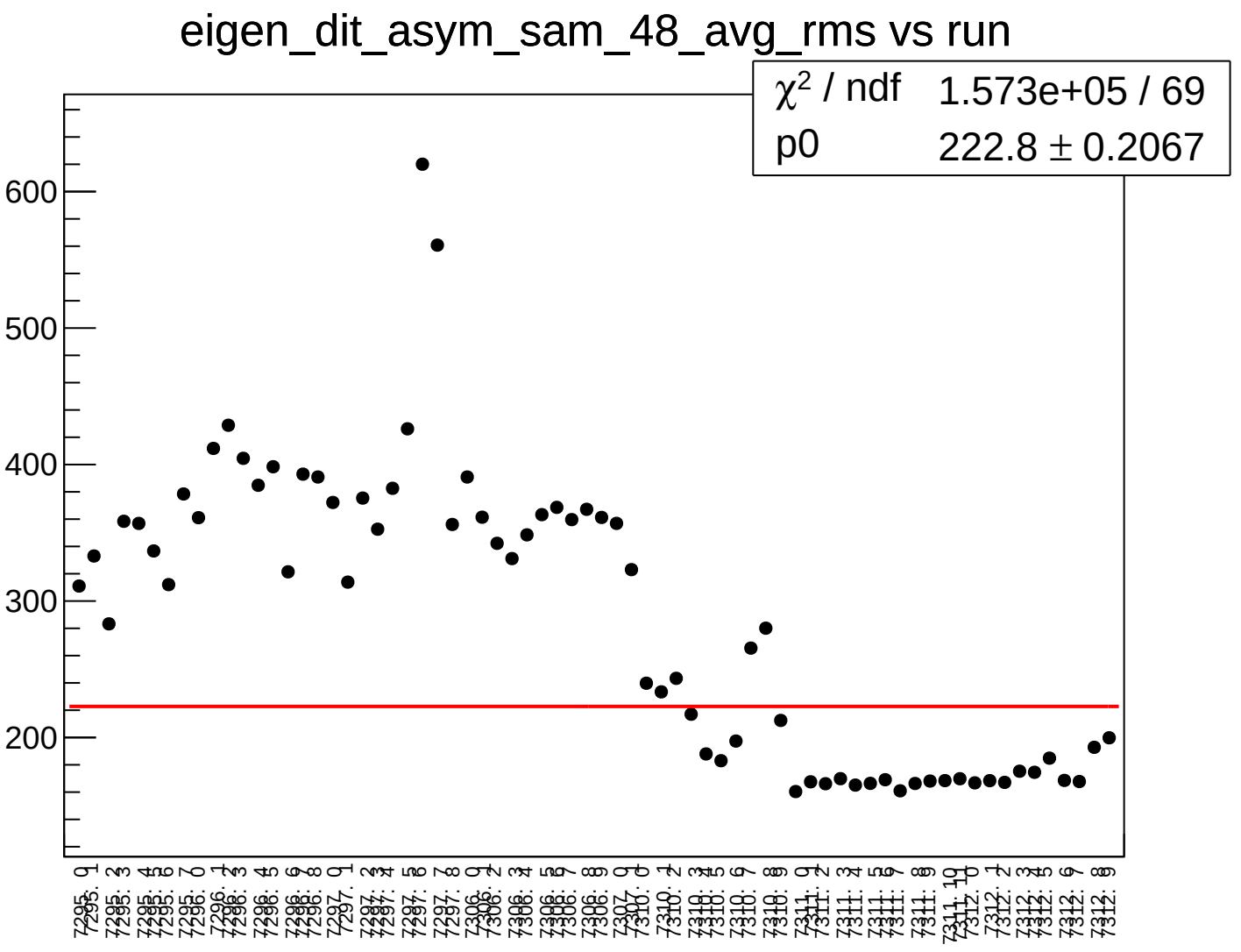

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 71.54 / 69
p0 −1888 ± 1333
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 421.6
Std Dev 0
2
1
0
−1
−2
−3

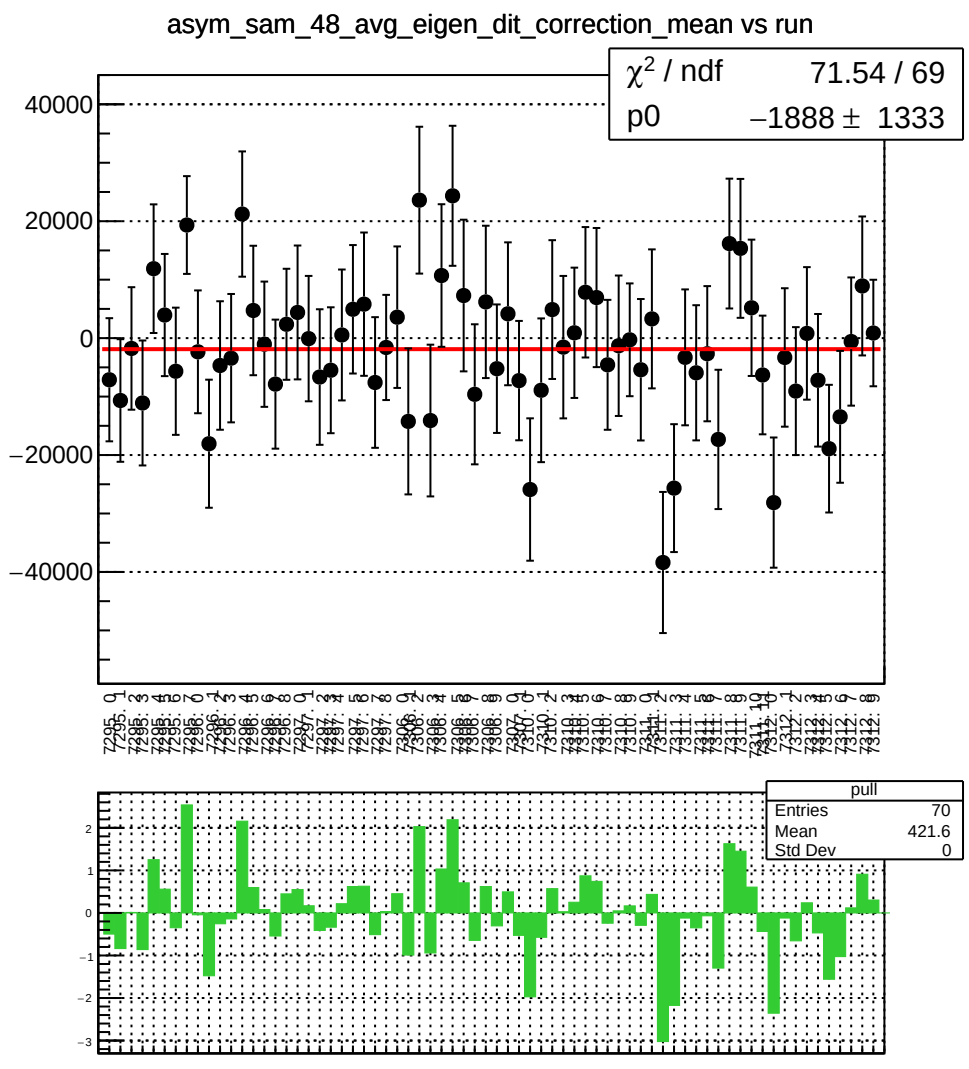

pull1D
Entries 70
Mean −0.009102
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

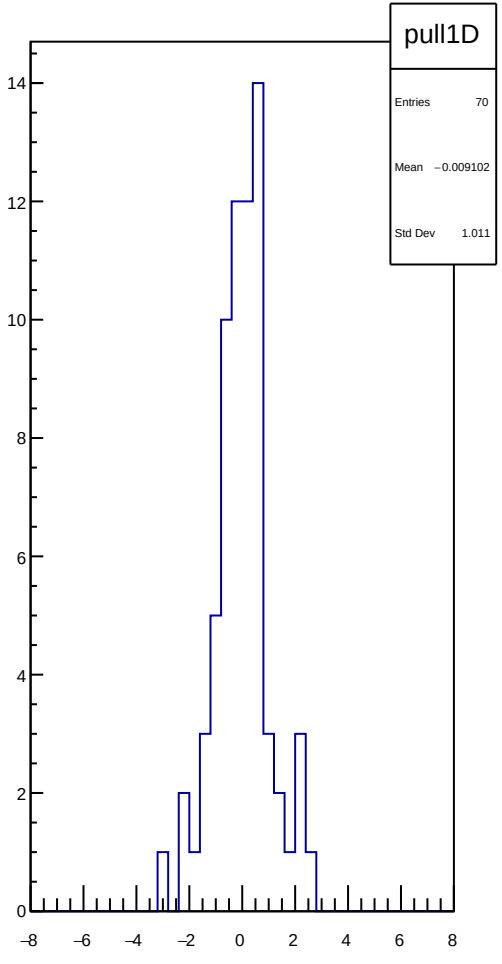

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 4060 / 69
p0 1081 ± 0.9425
1250
1200
1150
1100
1050
1000

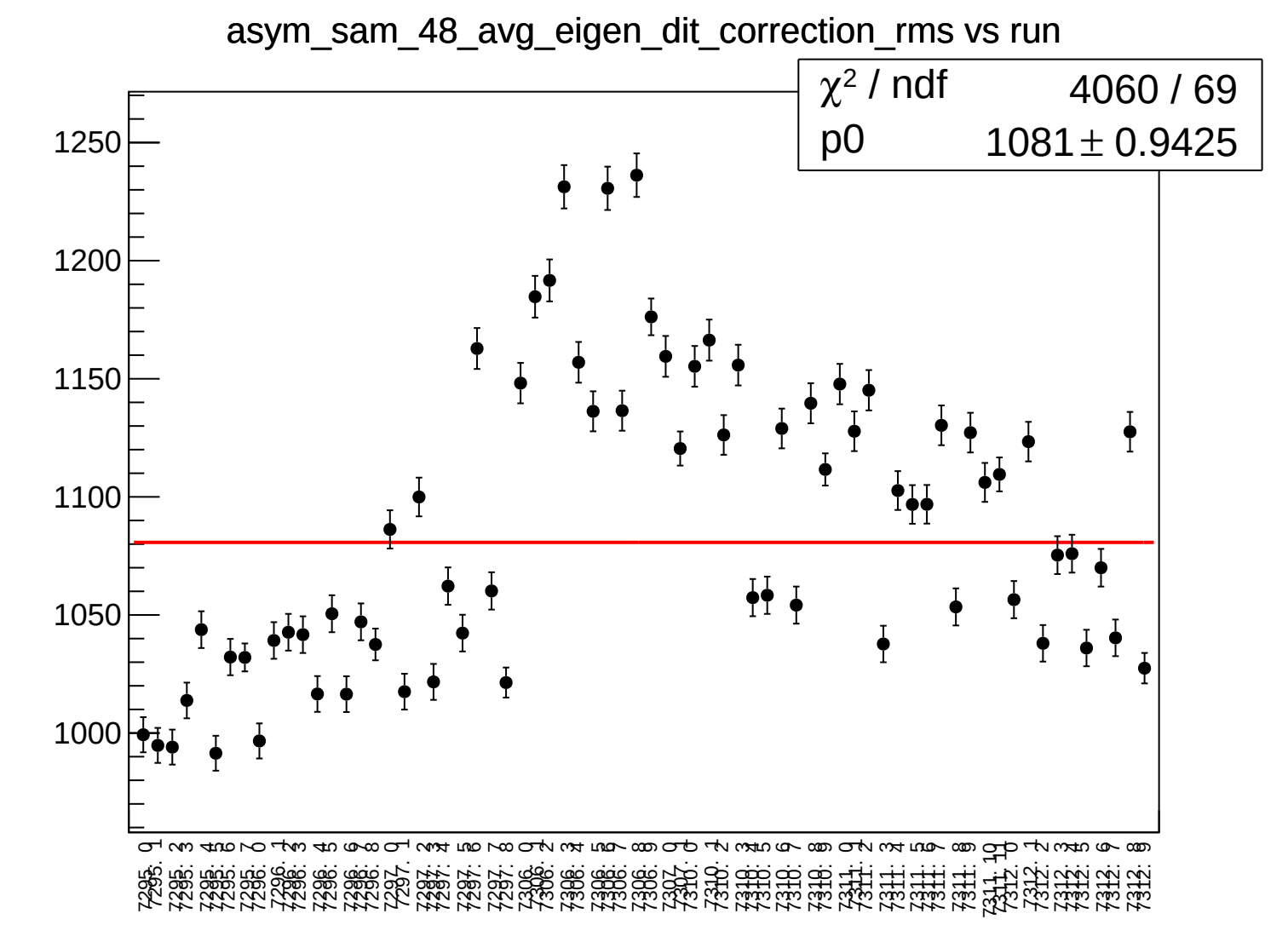

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 84.19 / 69
p0 −246.8 ± 292.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean −34.36
Std Dev 0
3
2
1
0
−1
−2

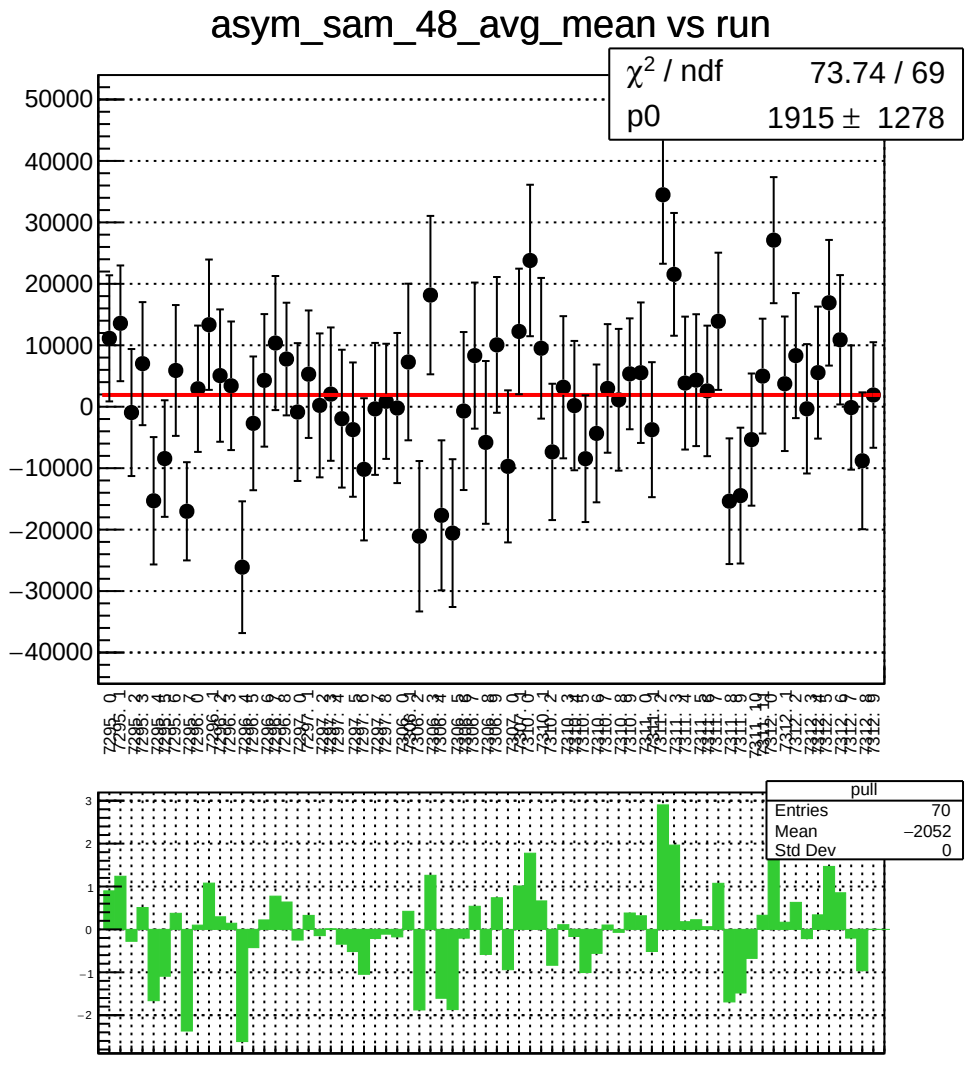

pull1D
Entries 70
Mean 0.0228
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

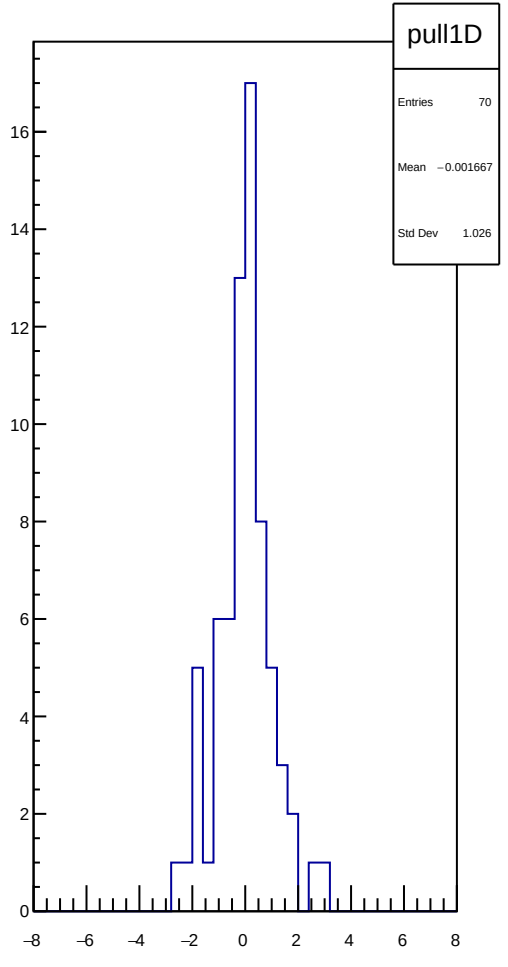

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.573e+05 / 69
p0 222.8 ± 0.2067
600
500
400
300
200

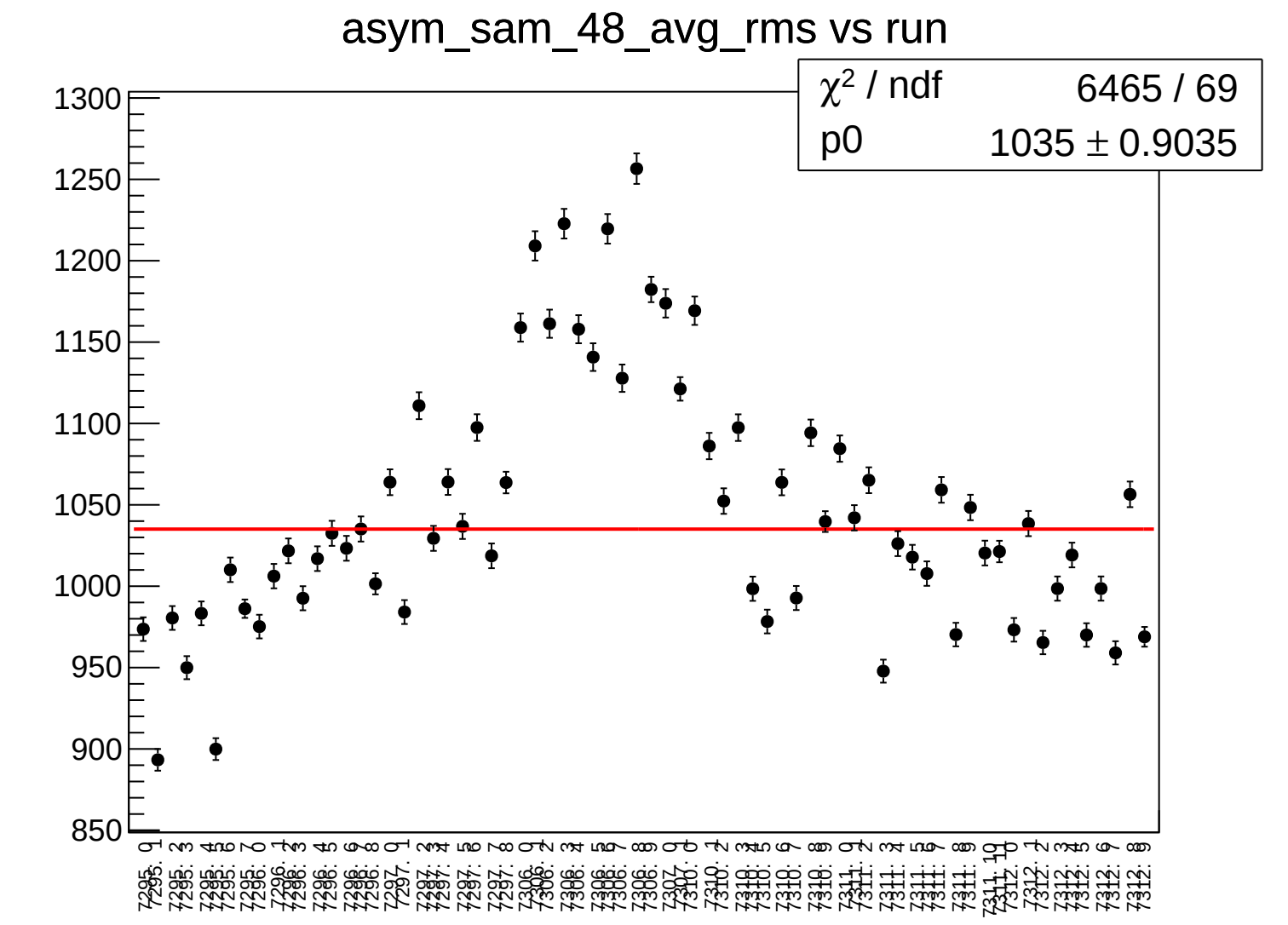

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.54 / 69
p0 −1888 ± 1333
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 421.6
Std Dev 0
2
1
0
−1
−2
−3

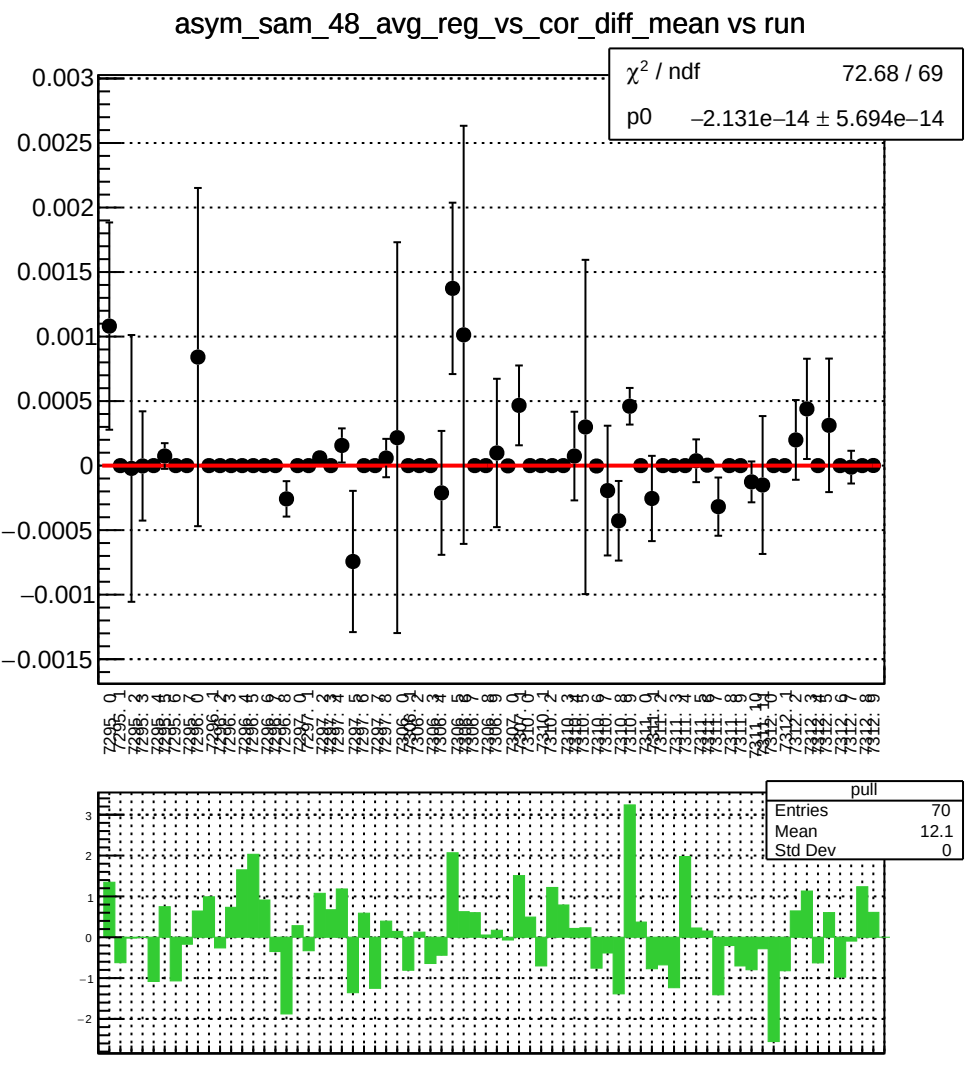

pull1D
Entries 70
Mean −0.009102
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

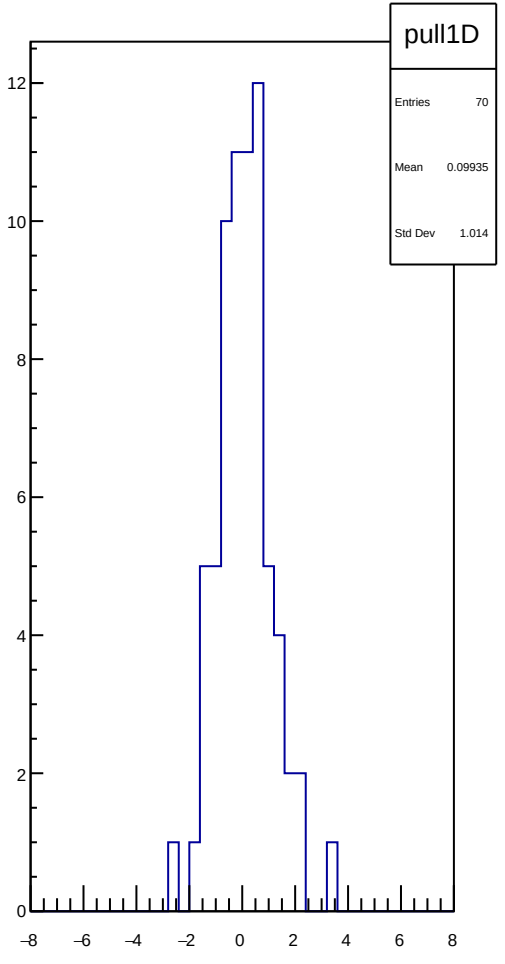

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 4060 / 69
p0 1081 ± 0.9425
1250
1200
1150
1100
1050
1000

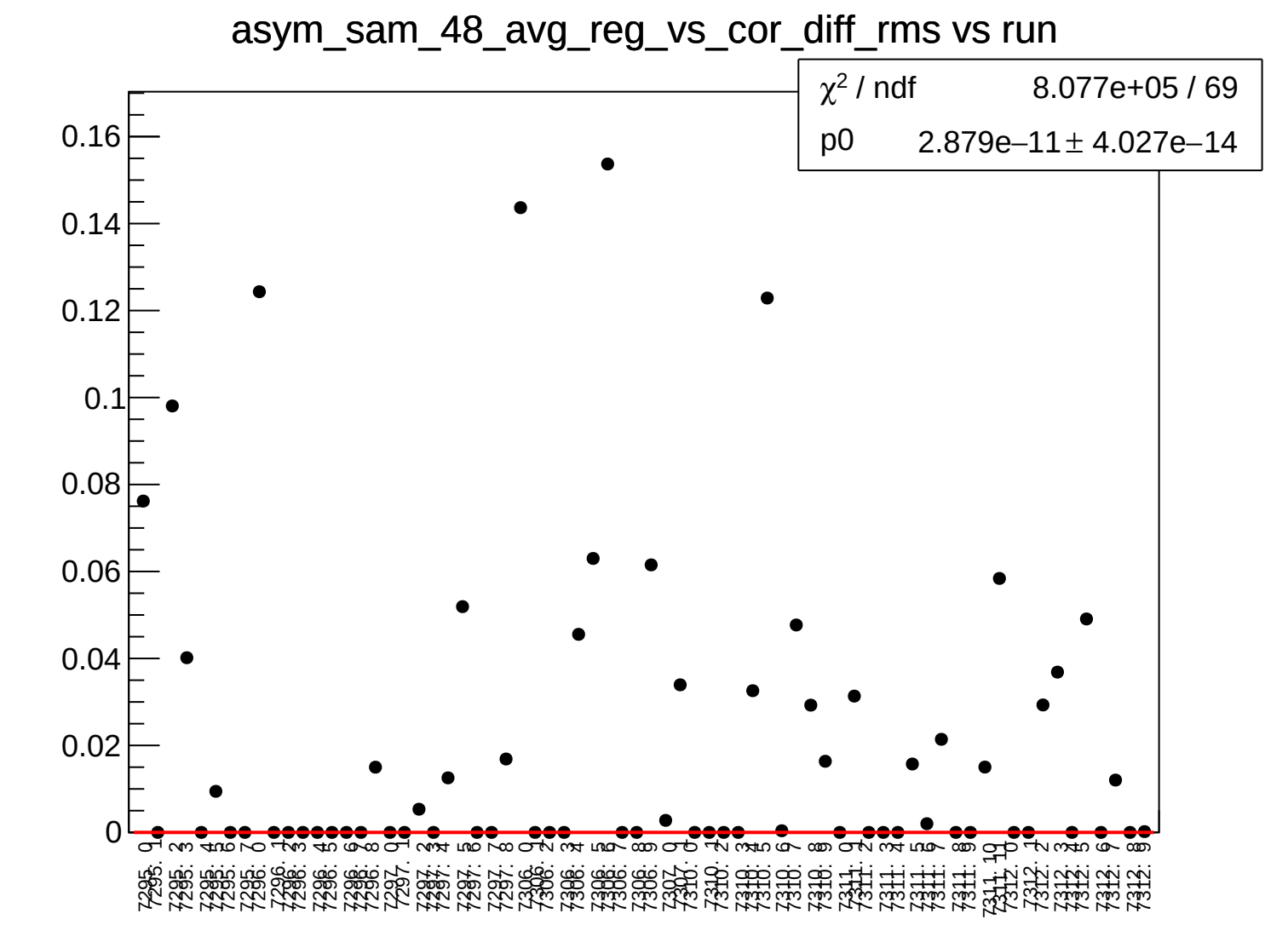

asym_sam_48_avg_mean vs run
χ² / ndf 73.74 / 69
p0 1915 ± 1278
pull
Entries 70
Mean −2052
Std Dev 0

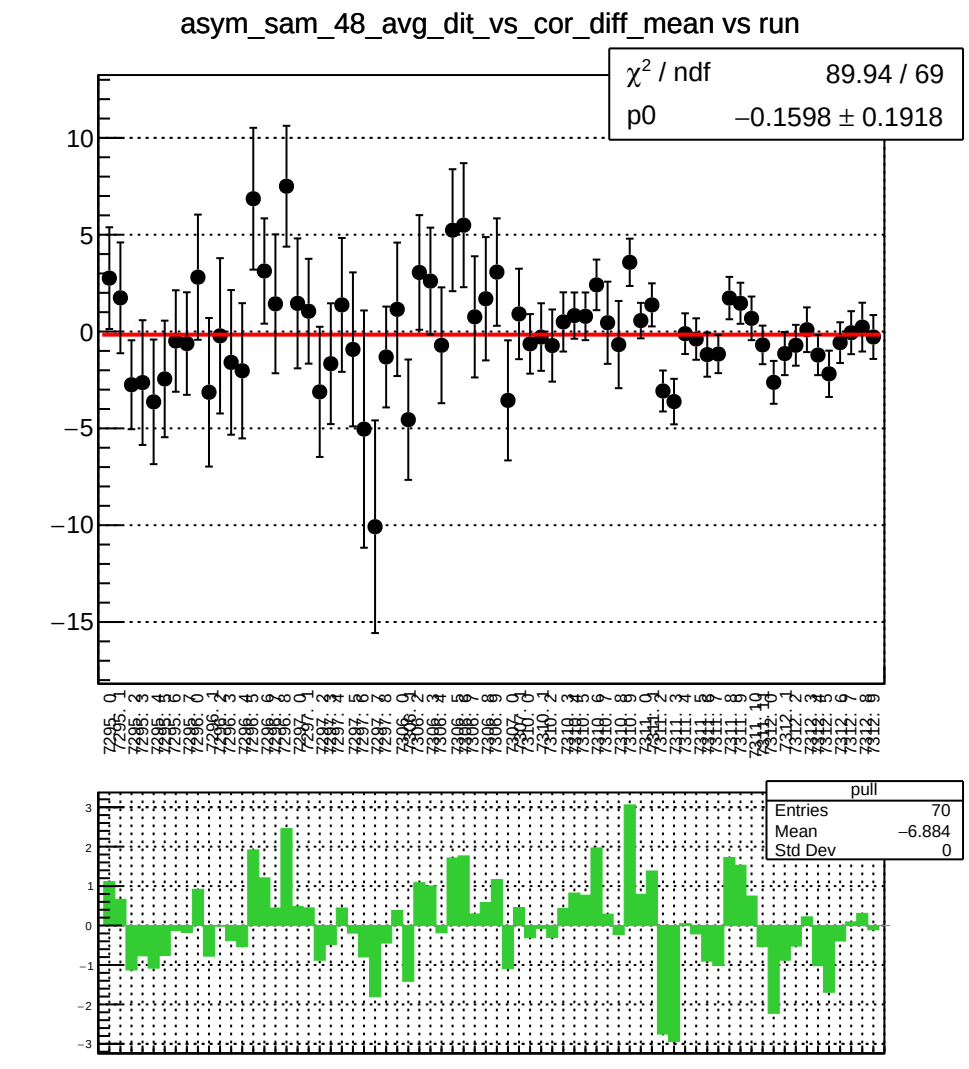

pull1D
Entries 70
Mean −0.001667
Std Dev 1.026

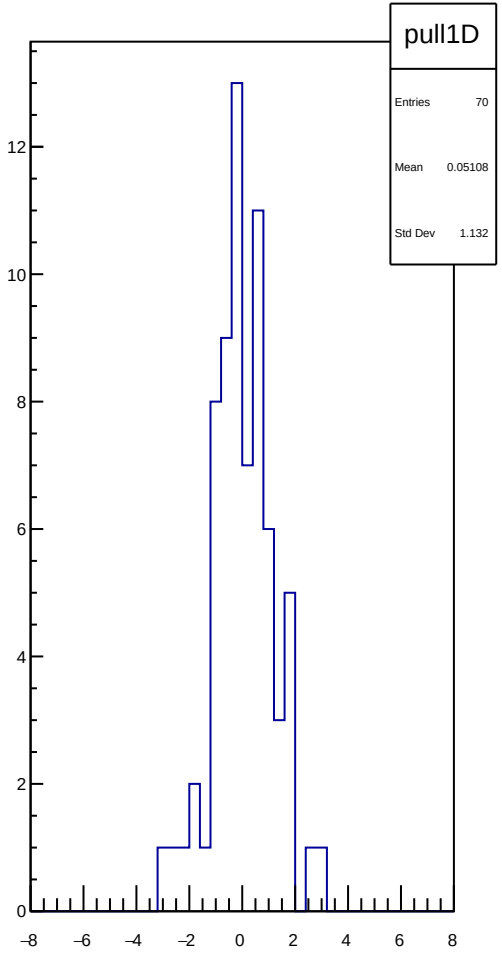

asym_sam_48_avg_rms vs run
χ² / ndf 6465 / 69
p0 1035 ± 0.9035
1300
1250
1200
1150
1100
1050
1000
950
900
850

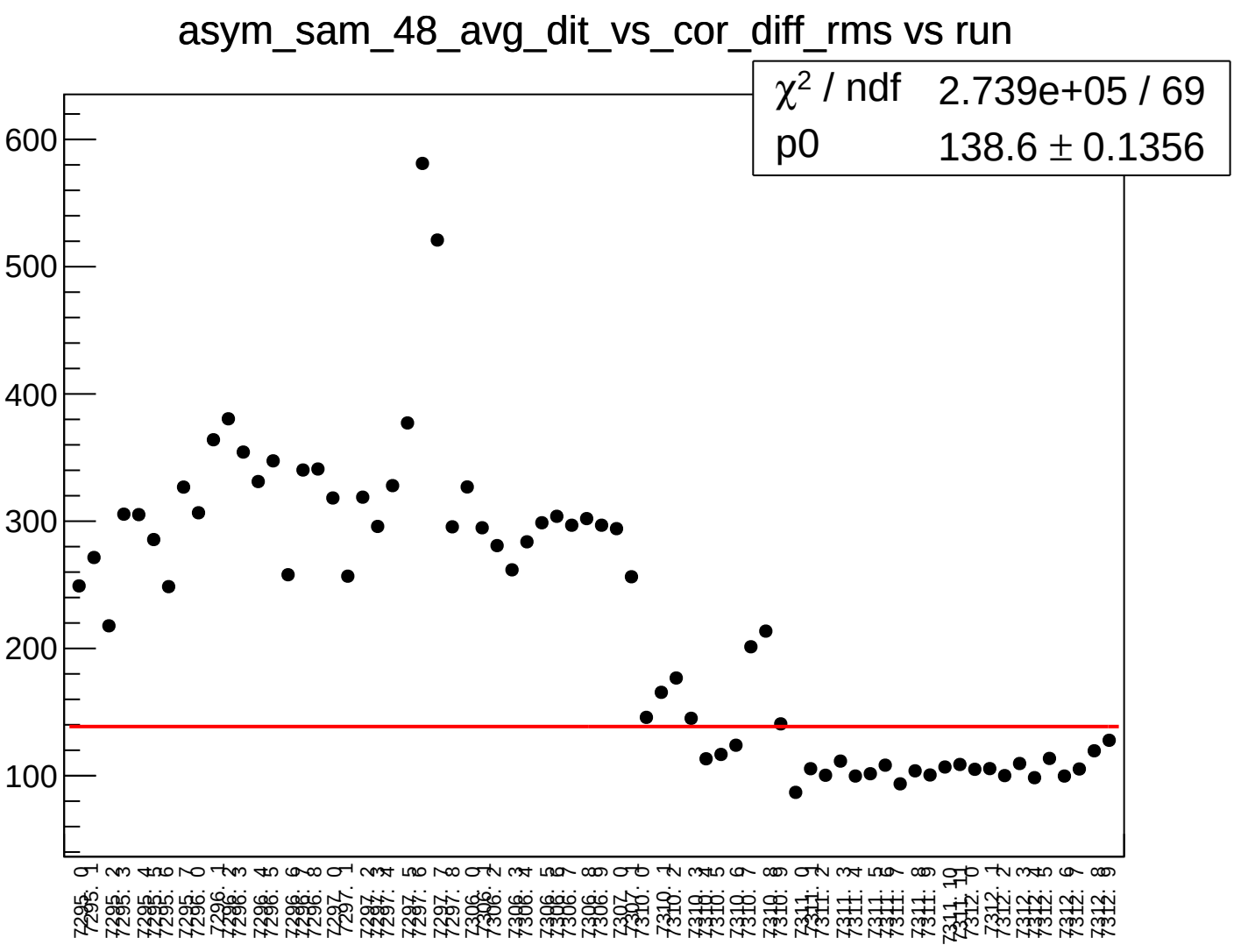

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.68 / 69
p0 −2.131e−14 ± 5.694e−14
pull
Entries 70
Mean 12.1
Std Dev 0

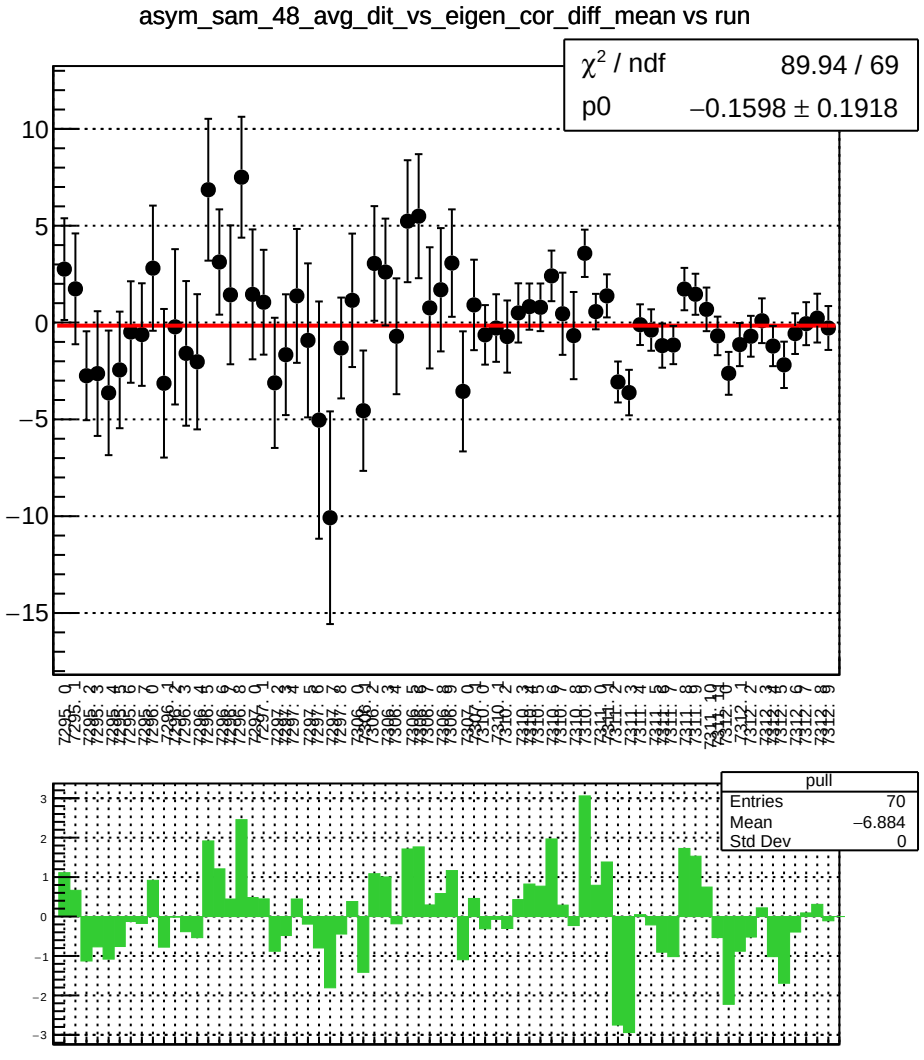

pull1D
Entries 70
Mean 0.09935
Std Dev 1.014

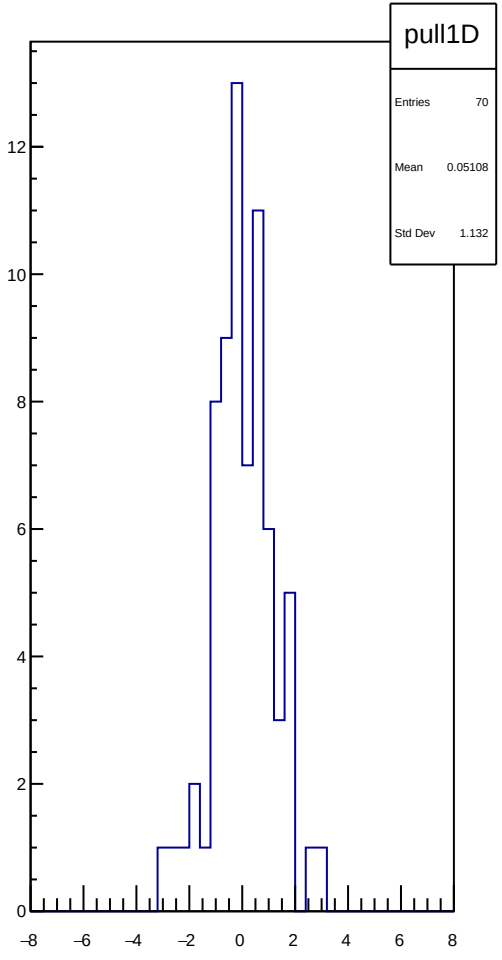

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.077e+05 / 69
p0 2.879e−11 ± 4.027e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

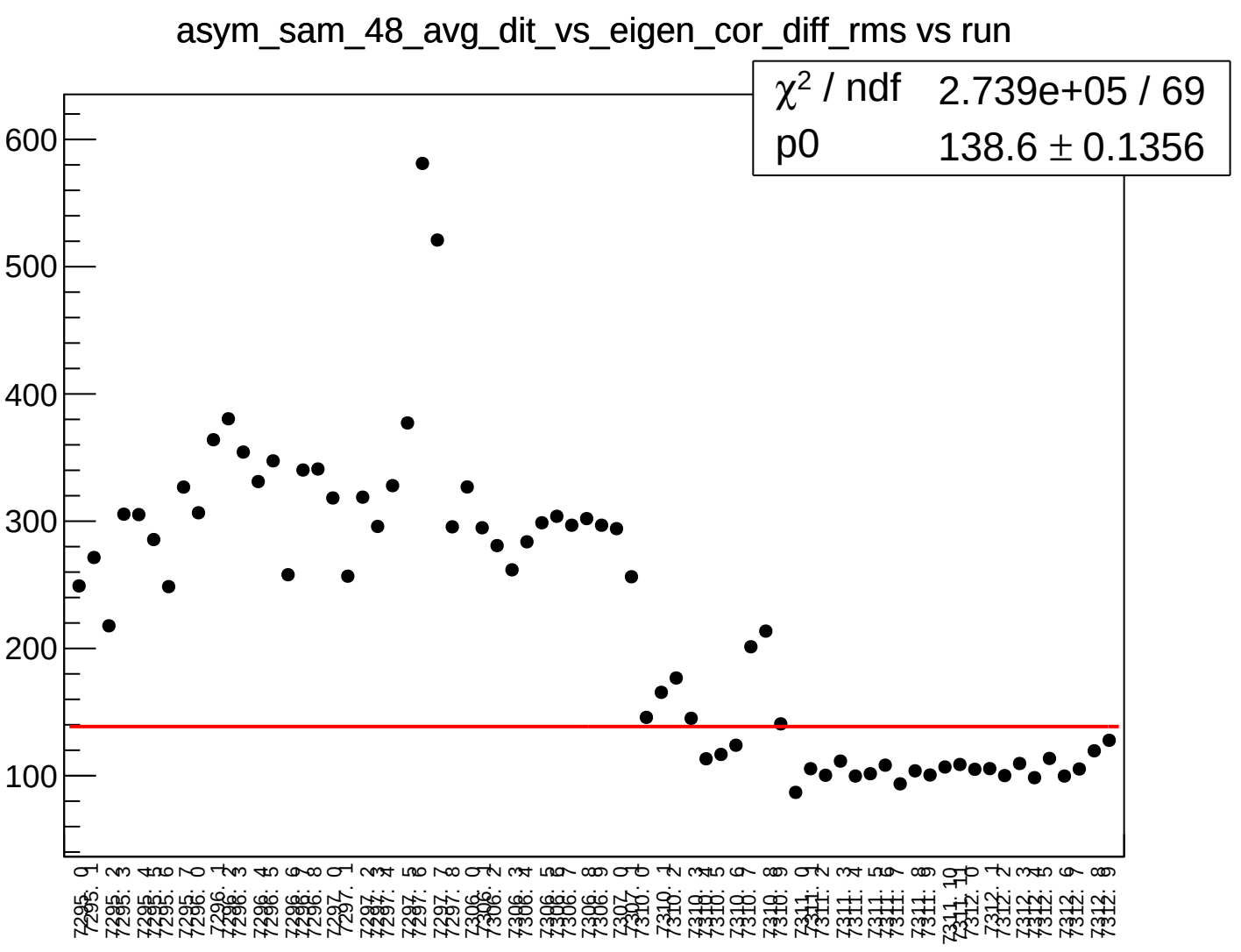

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 89.94 / 69
p0 −0.1598 ± 0.1918
pull
Entries 70
Mean −6.884
Std Dev 0

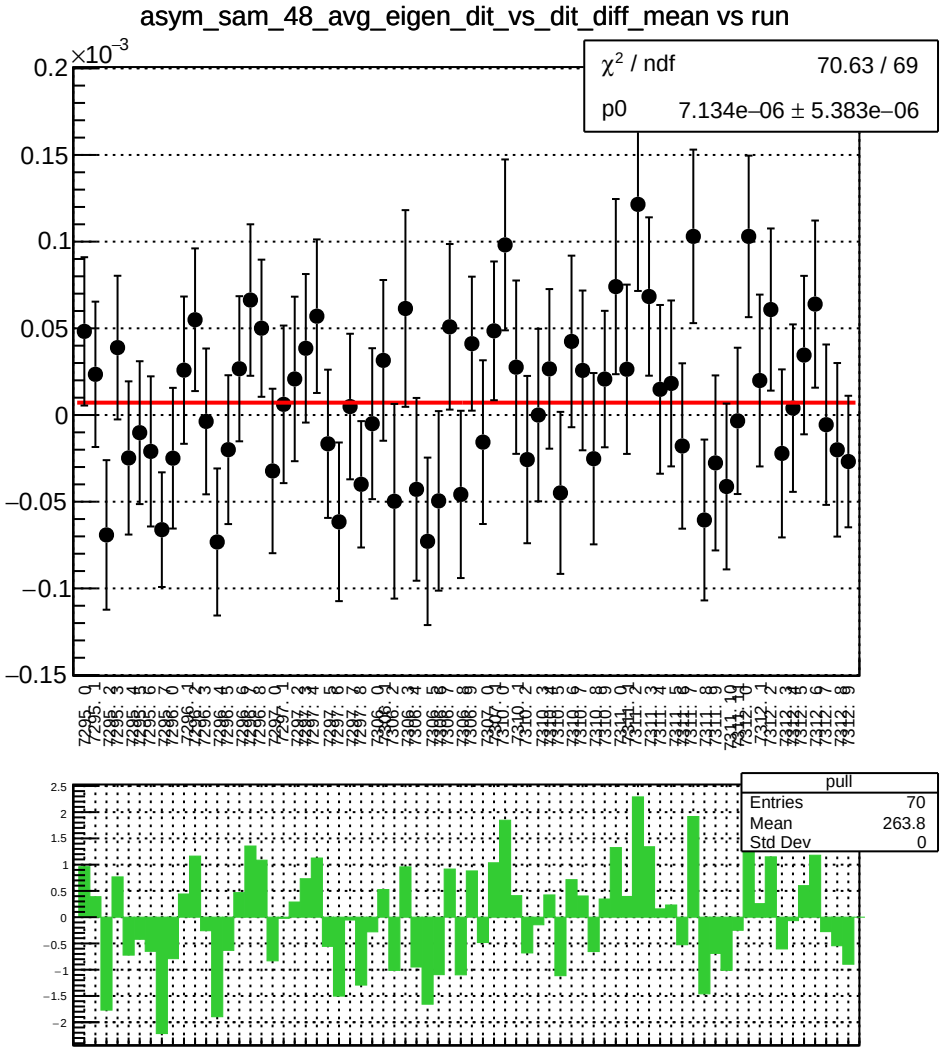

pull1D
Entries 70
Mean 0.05108
Std Dev 1.132

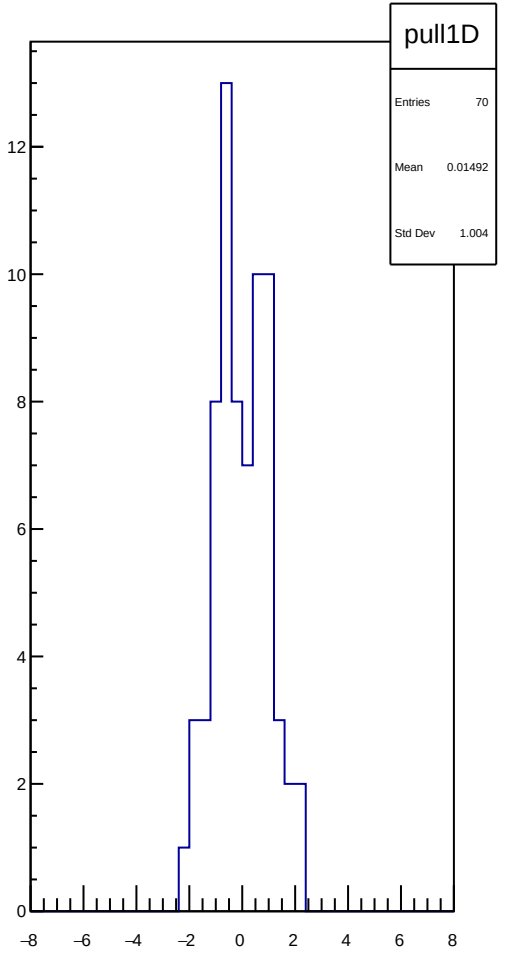

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.739e+05 / 69
p0 138.6 ± 0.1356
600
500
400
300
200
100

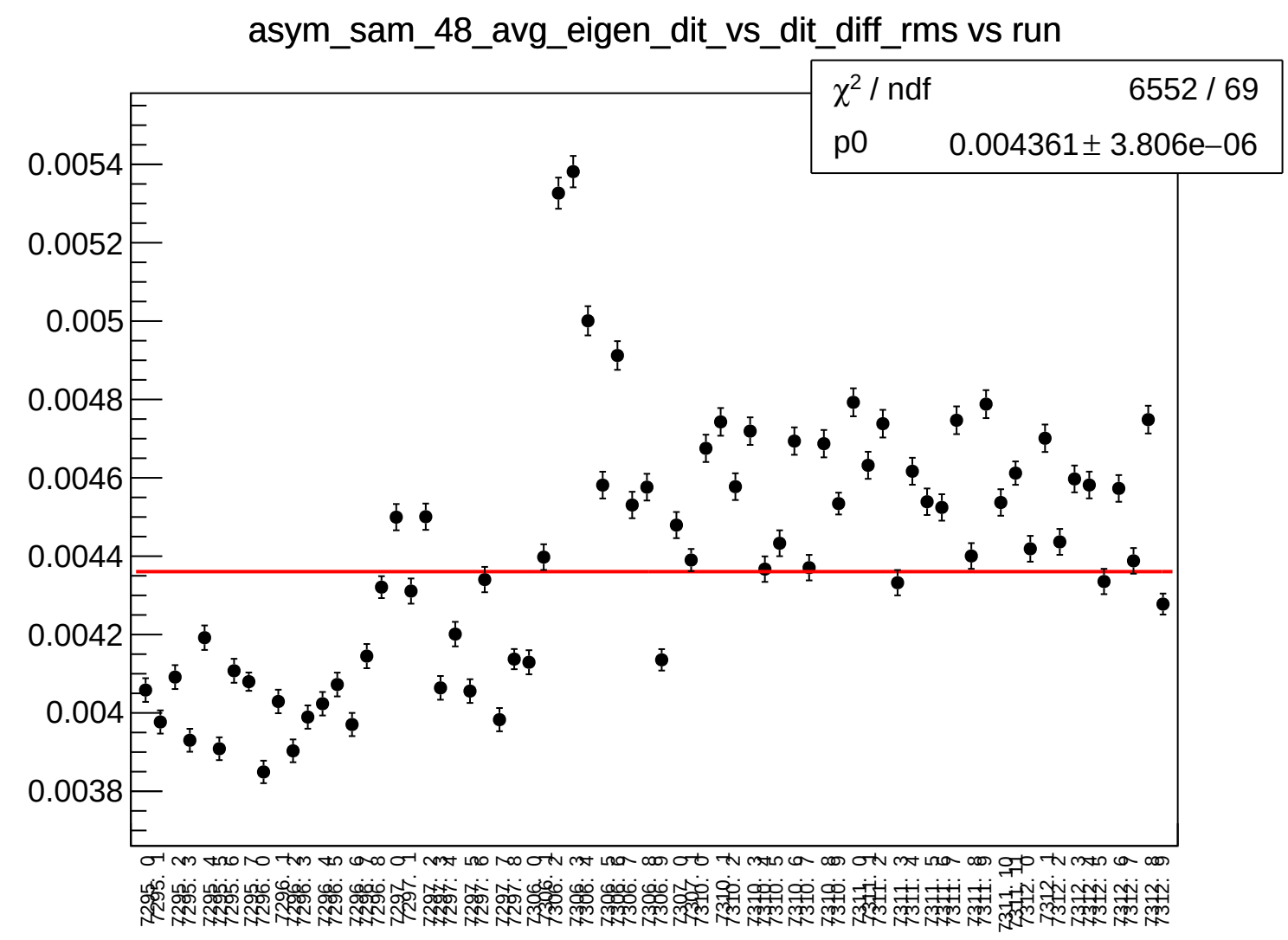

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.94 / 69
p0 −0.1598 ± 0.1918
pull
Entries 70
Mean −6.884
Std Dev 0

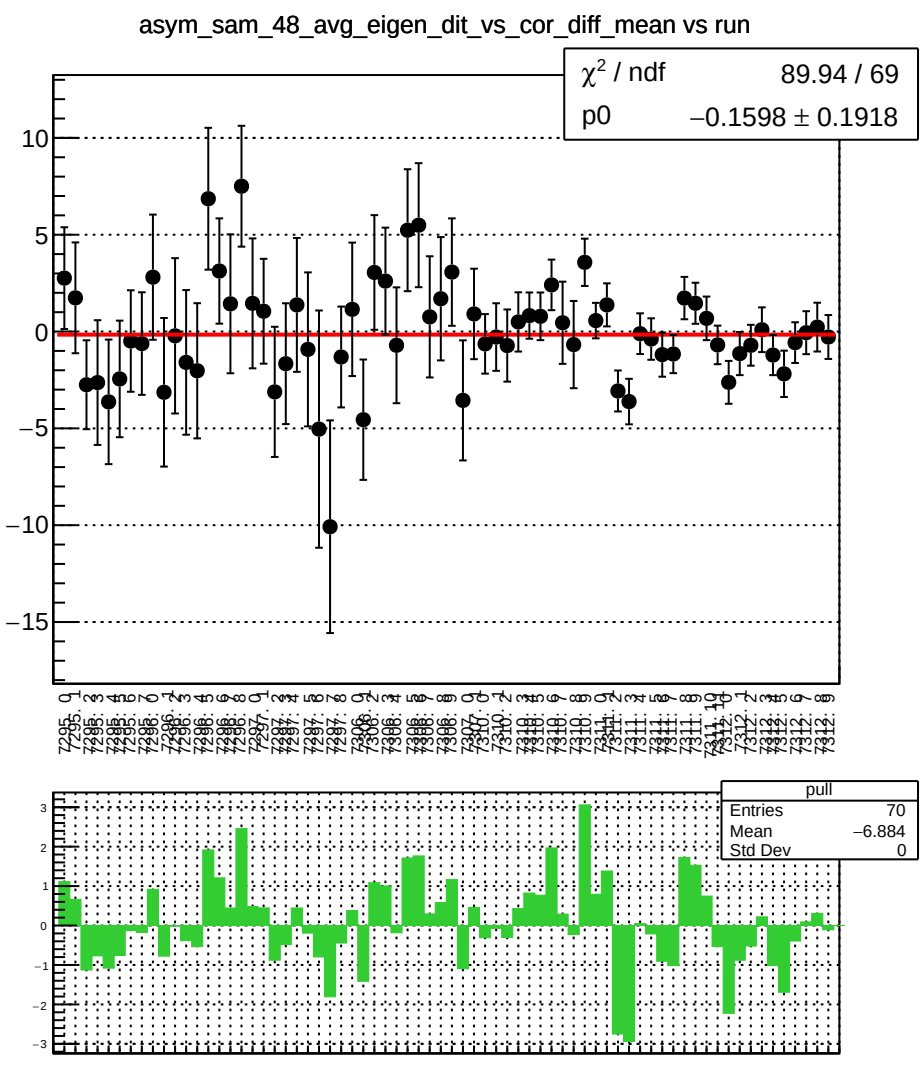

pull1D
Entries 70
Mean 0.05108
Std Dev 1.132

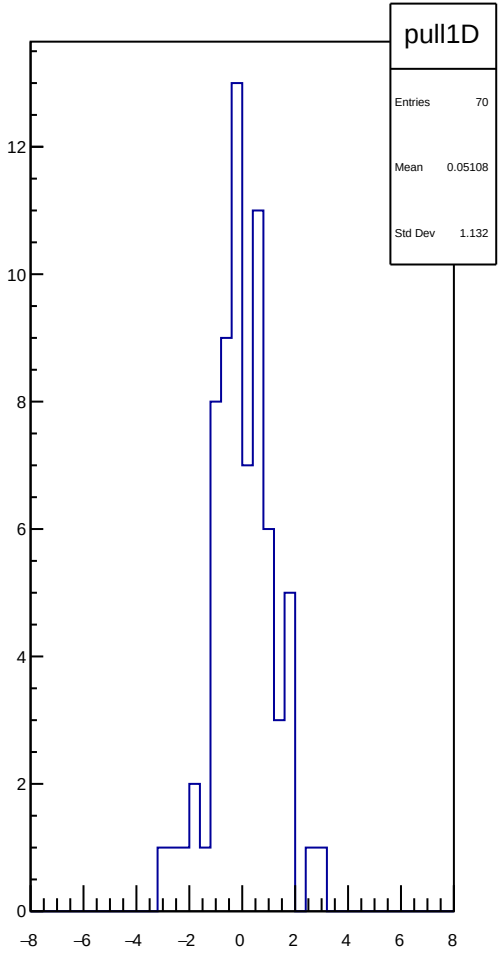

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.739e+05 / 69
p0 138.6 ± 0.1356
600
500
400
300
200
100

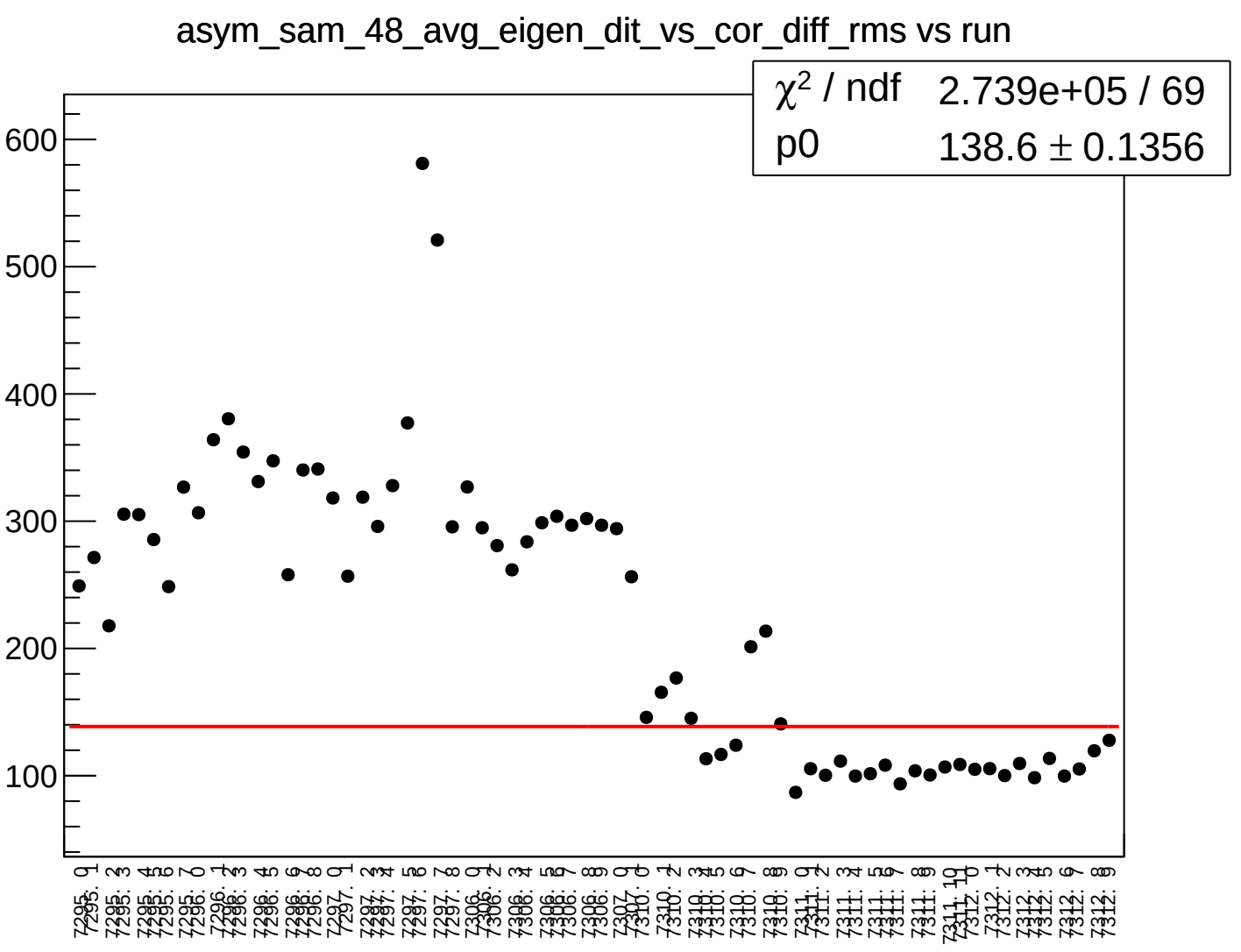

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 70.63 / 69
p0 7.134e−06 ± 5.383e−06
pull
Entries 70
Mean 263.8
Std Dev 0

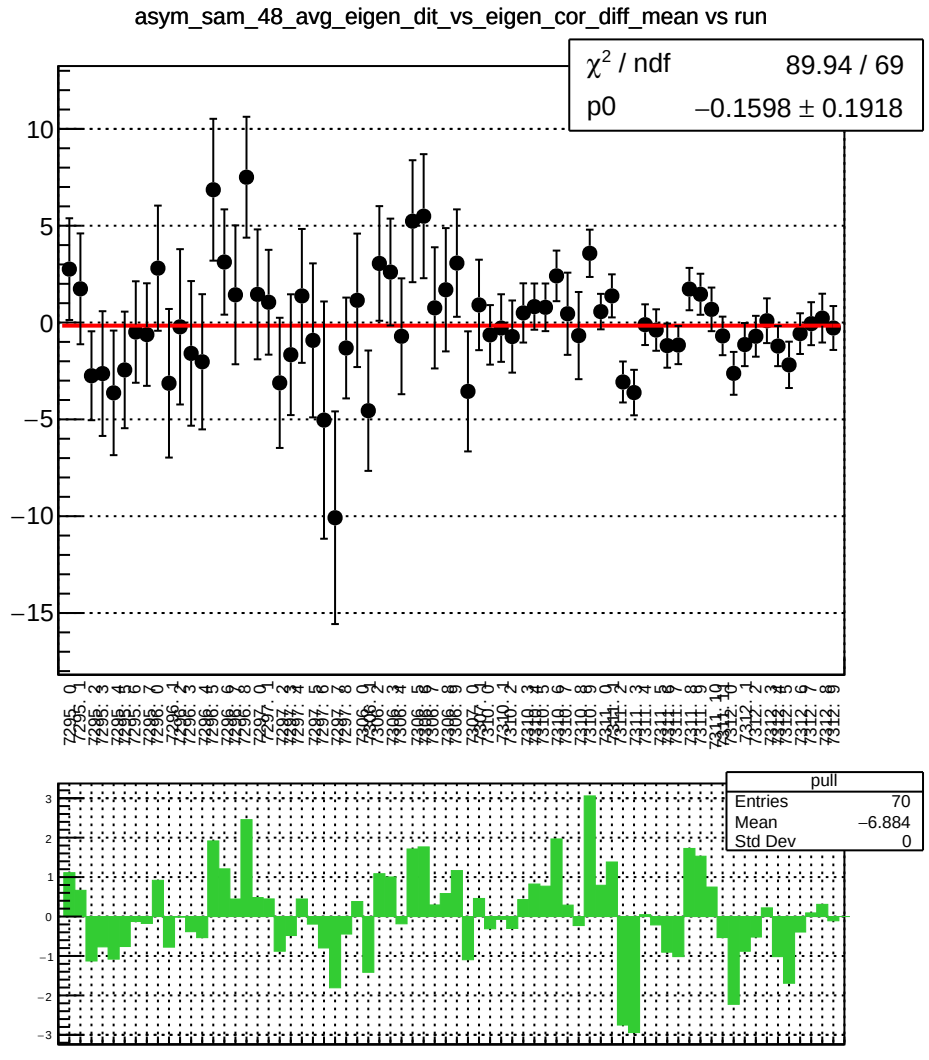

pull1D
Entries 70
Mean 0.01492
Std Dev 1.004

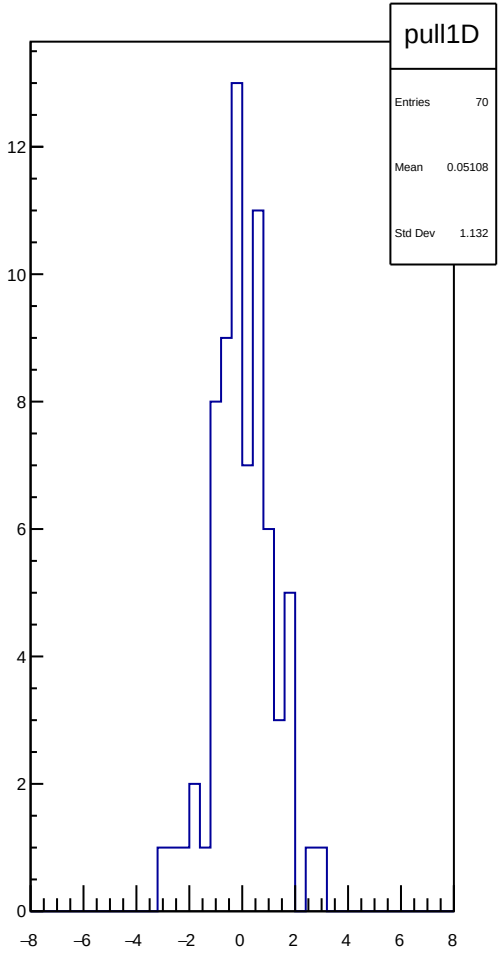

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6552 / 69
p0 0.004361 ± 3.806e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

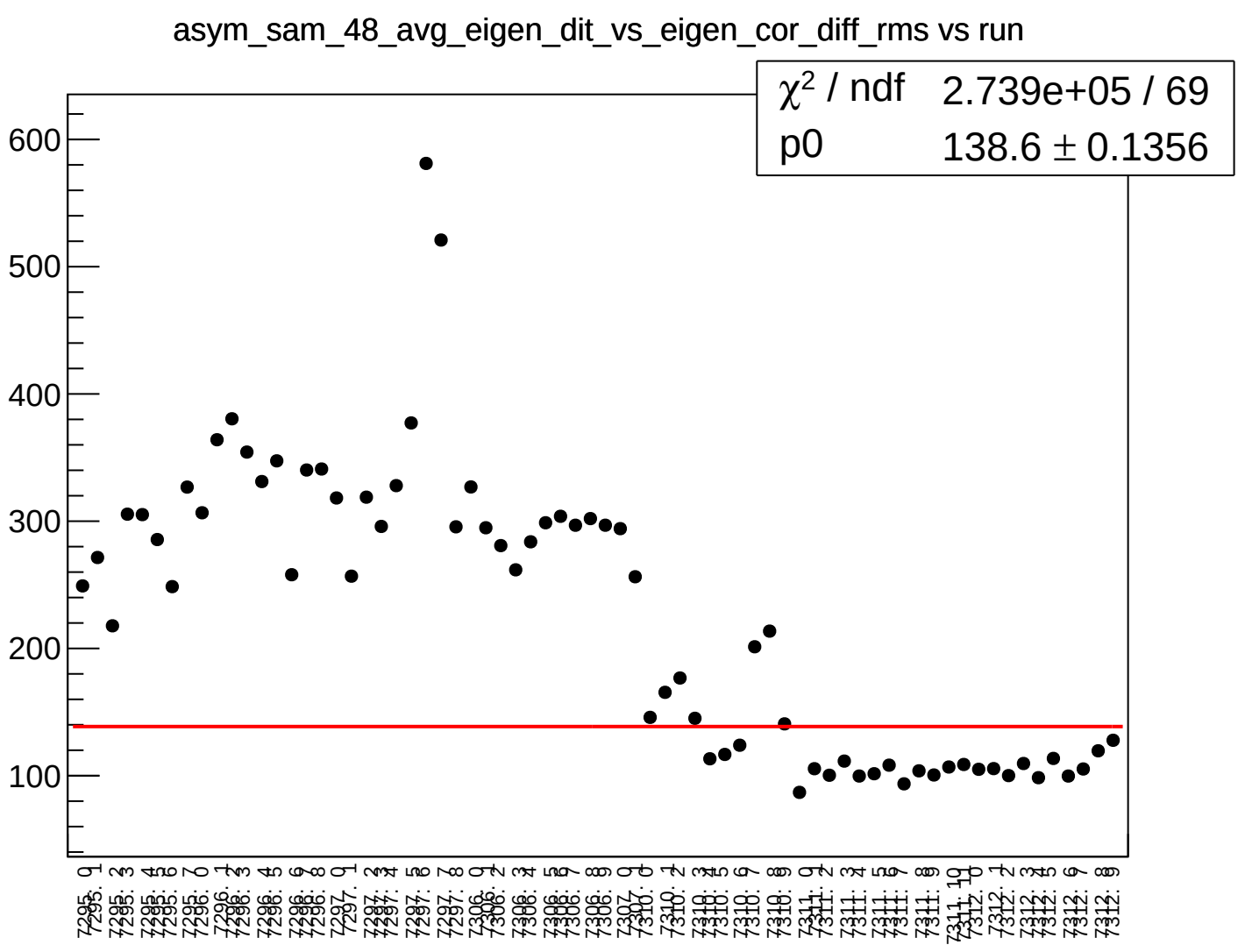

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.94 / 69
p0 −0.1598 ± 0.1918
pull
Entries 70
Mean −6.884
Std Dev 0

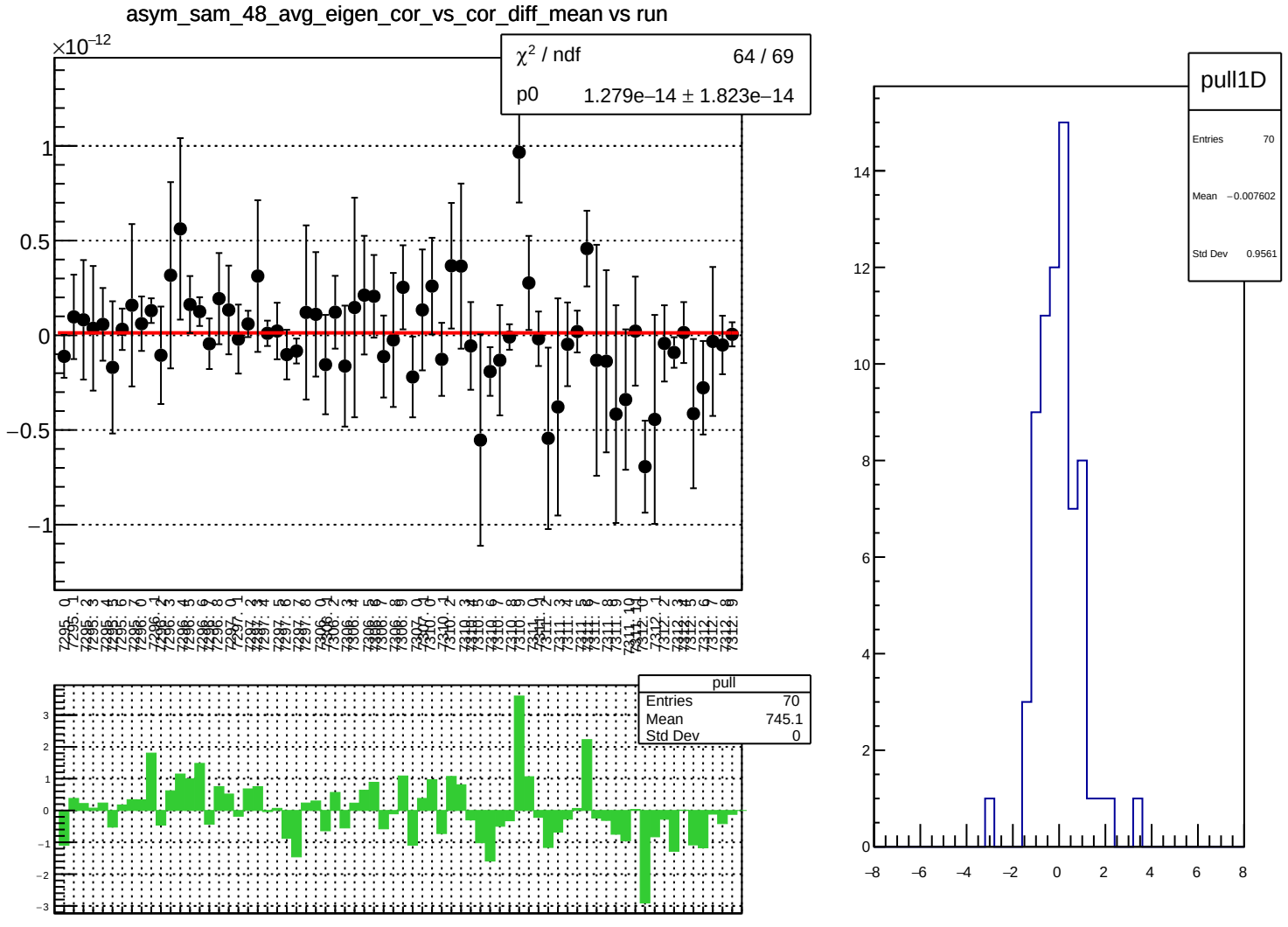

pull1D
Entries 70
Mean 0.05108
Std Dev 1.132

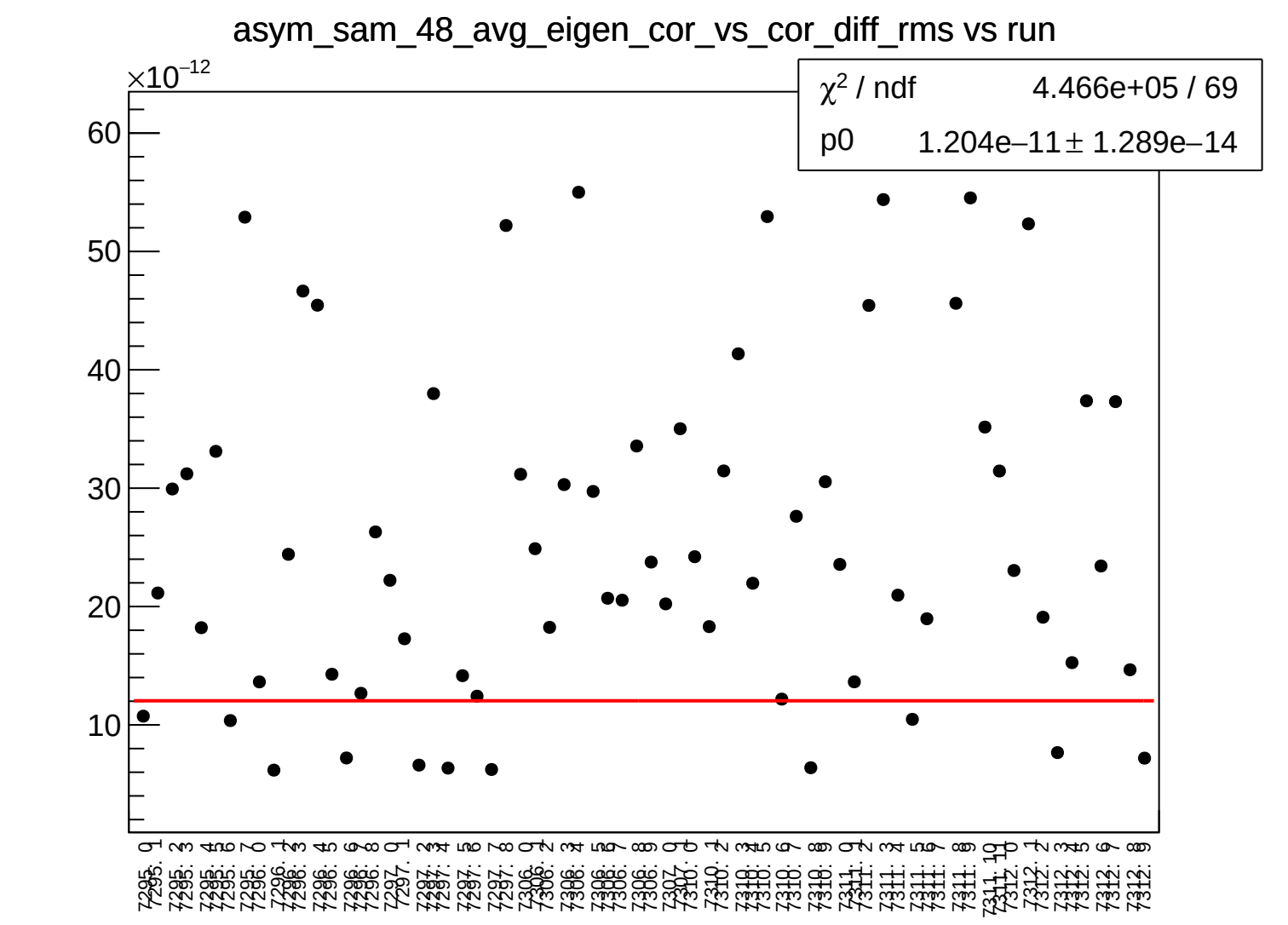

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.739e+05 / 69
p0 138.6 ± 0.1356
600
500
400
300
200
100

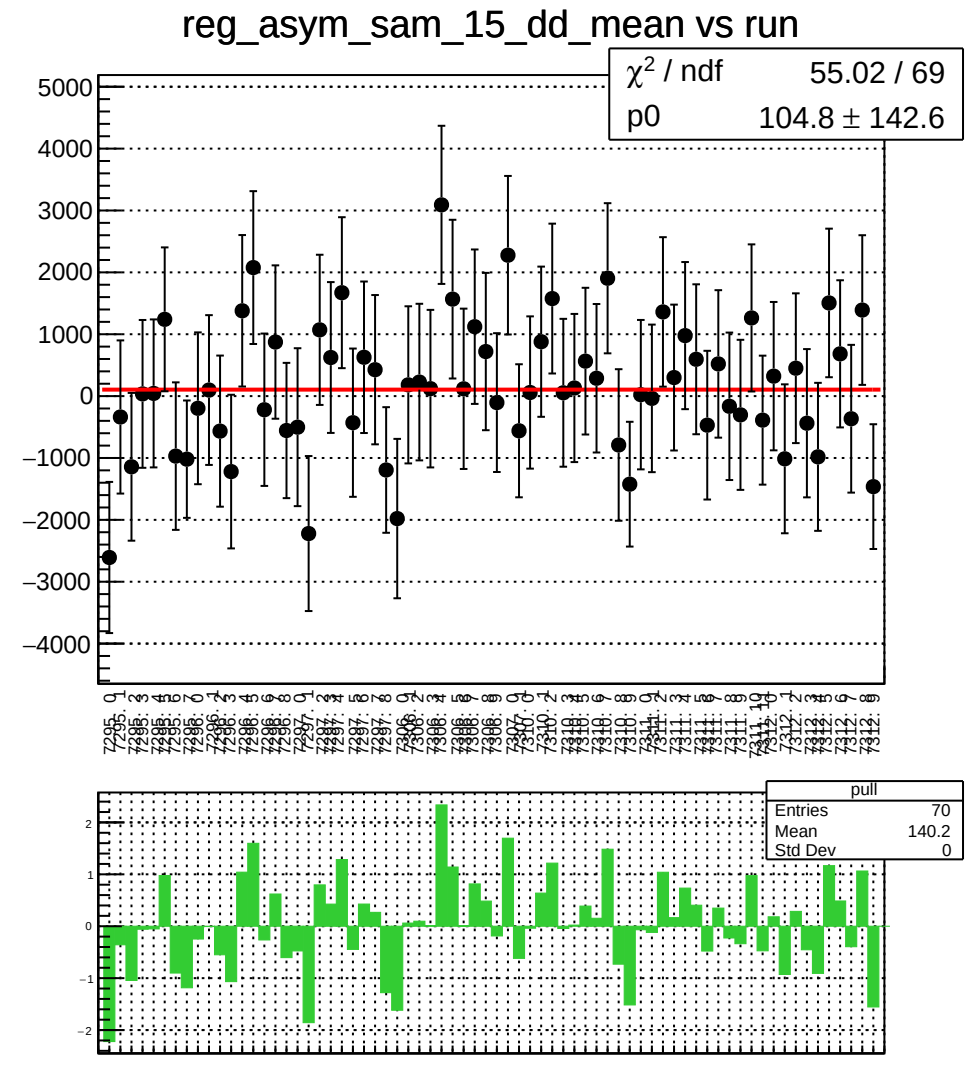

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.94 / 69
p0 −0.1598 ± 0.1918
pull
Entries 70
Mean −6.884
Std Dev 0

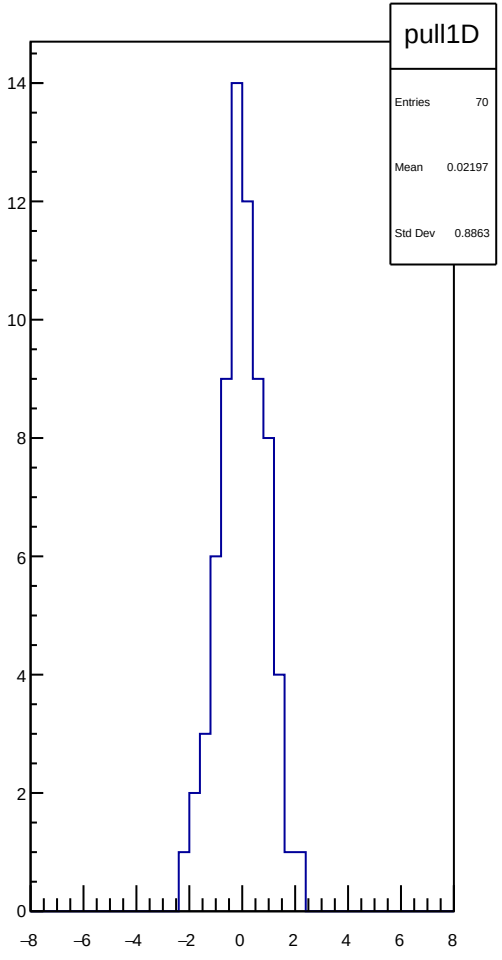

pull1D
Entries 70
Mean 0.05108
Std Dev 1.132

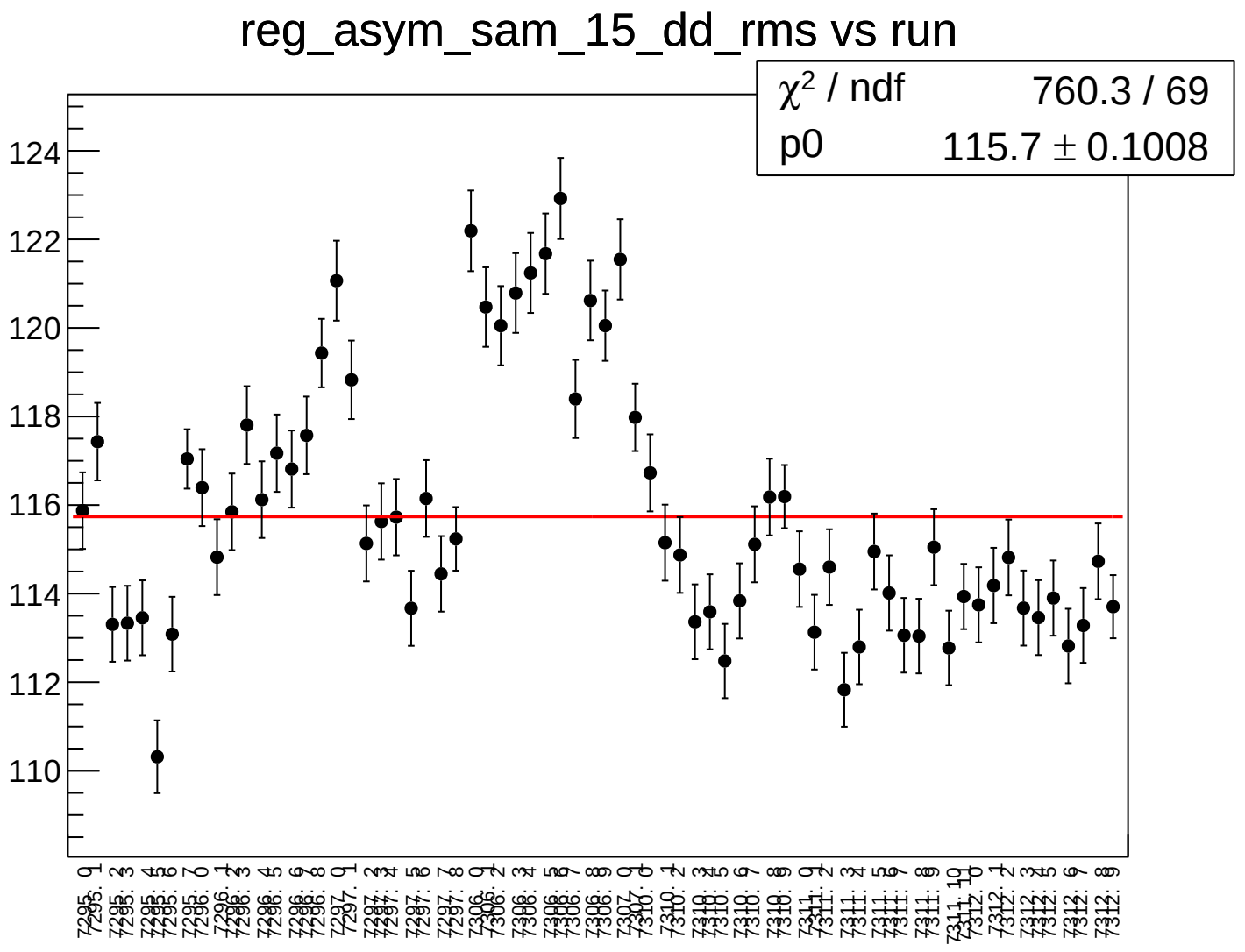

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.739e+05 / 69
p0 138.6 ± 0.1356
600
500
400
300
200
100

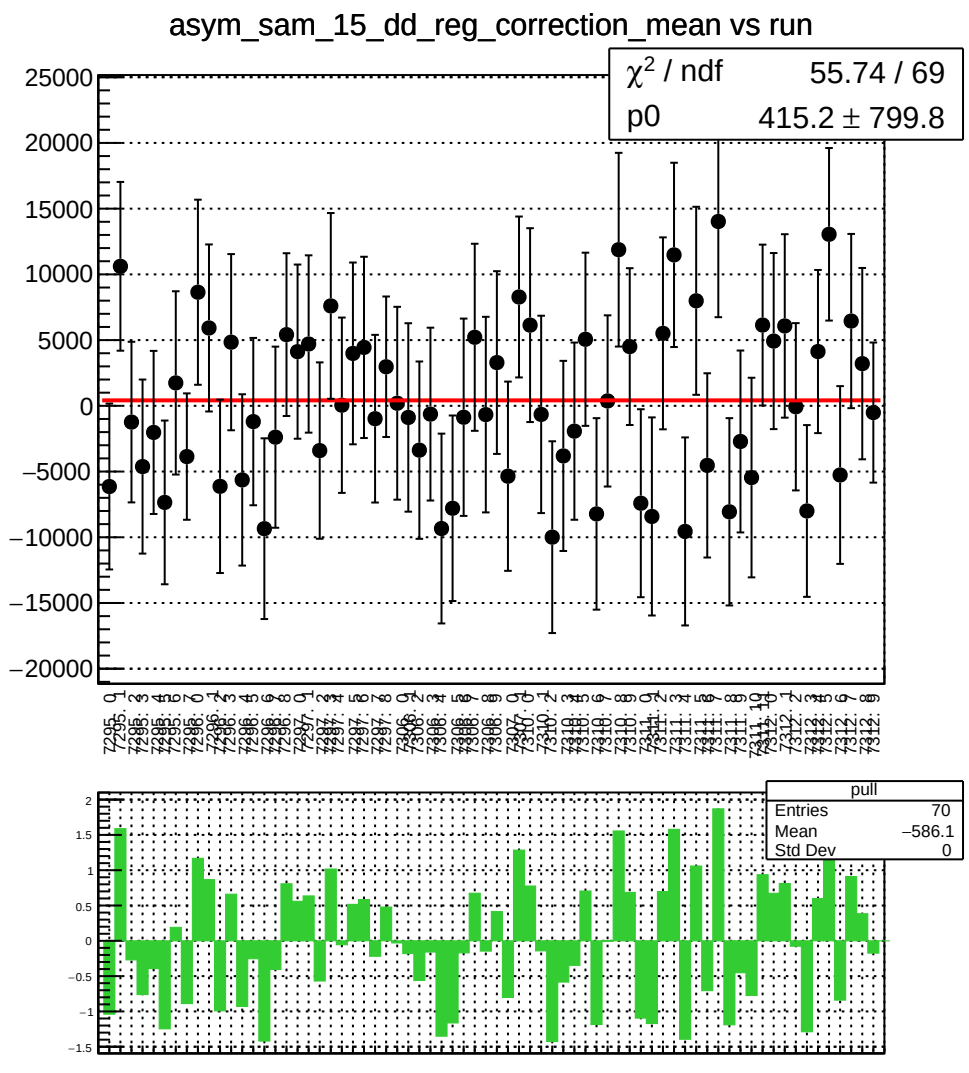

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64 / 69
p0 1.279e−14 ± 1.823e−14
pull
Entries 70
Mean 745.1
Std Dev 0
pull1D
Entries 70
Mean −0.007602
Std Dev 0.9561

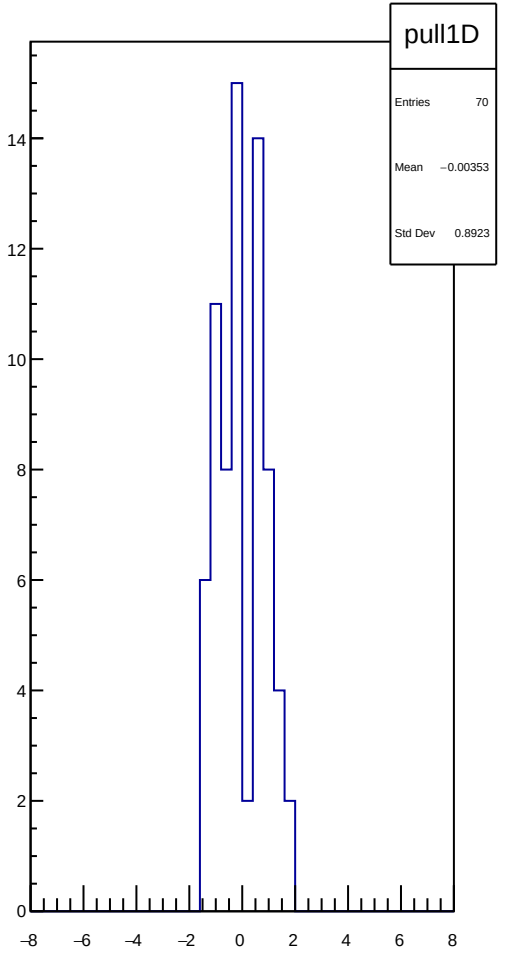

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.466e+05 / 69
p0 1.204e−11 ± 1.289e−14
60
50
40
30
20
10

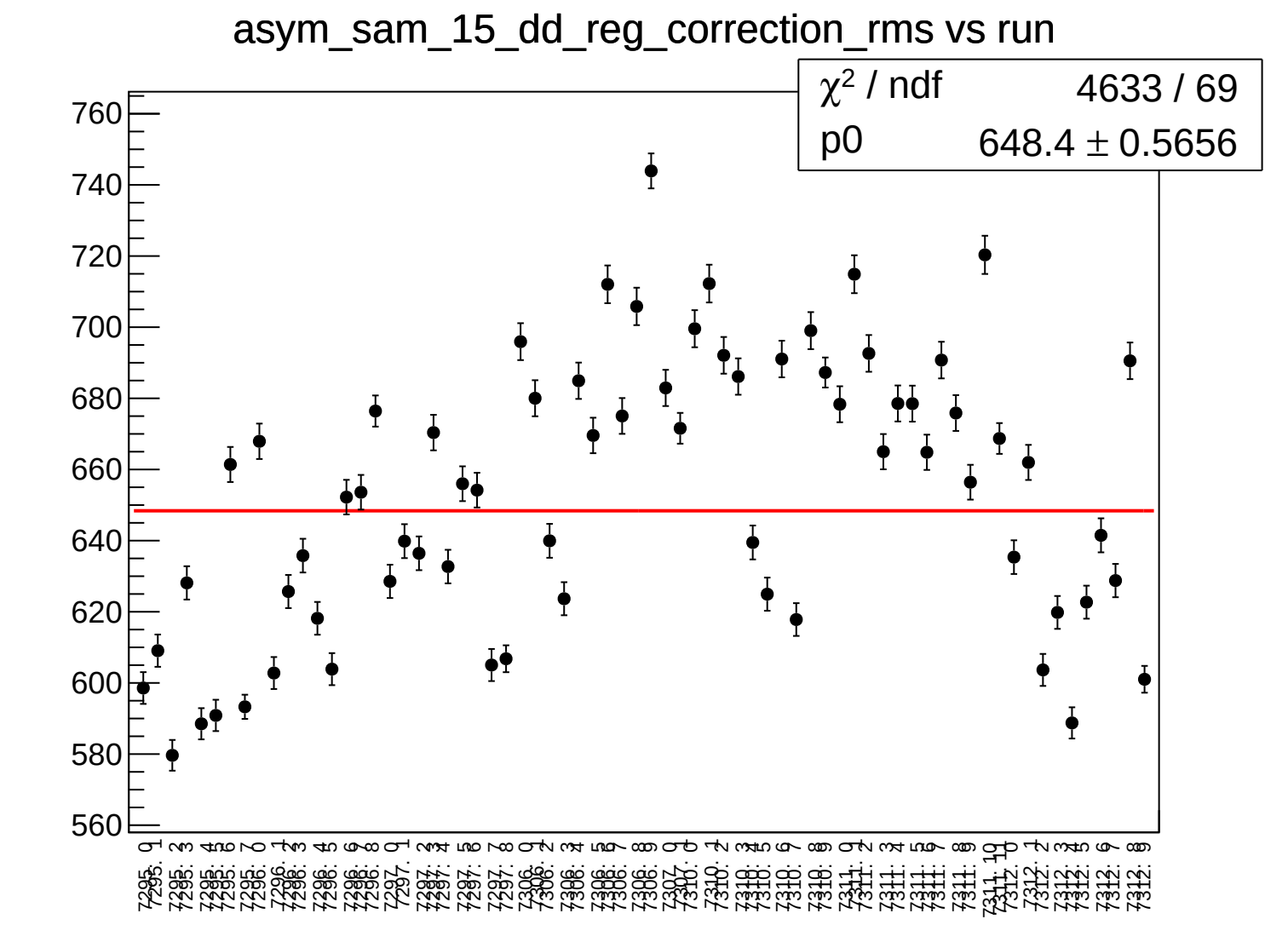

reg_asym_sam_15_dd_mean vs run
χ² / ndf 55.02 / 69
p0 104.8 ± 142.6
pull
Entries 70
Mean 140.2
Std Dev 0

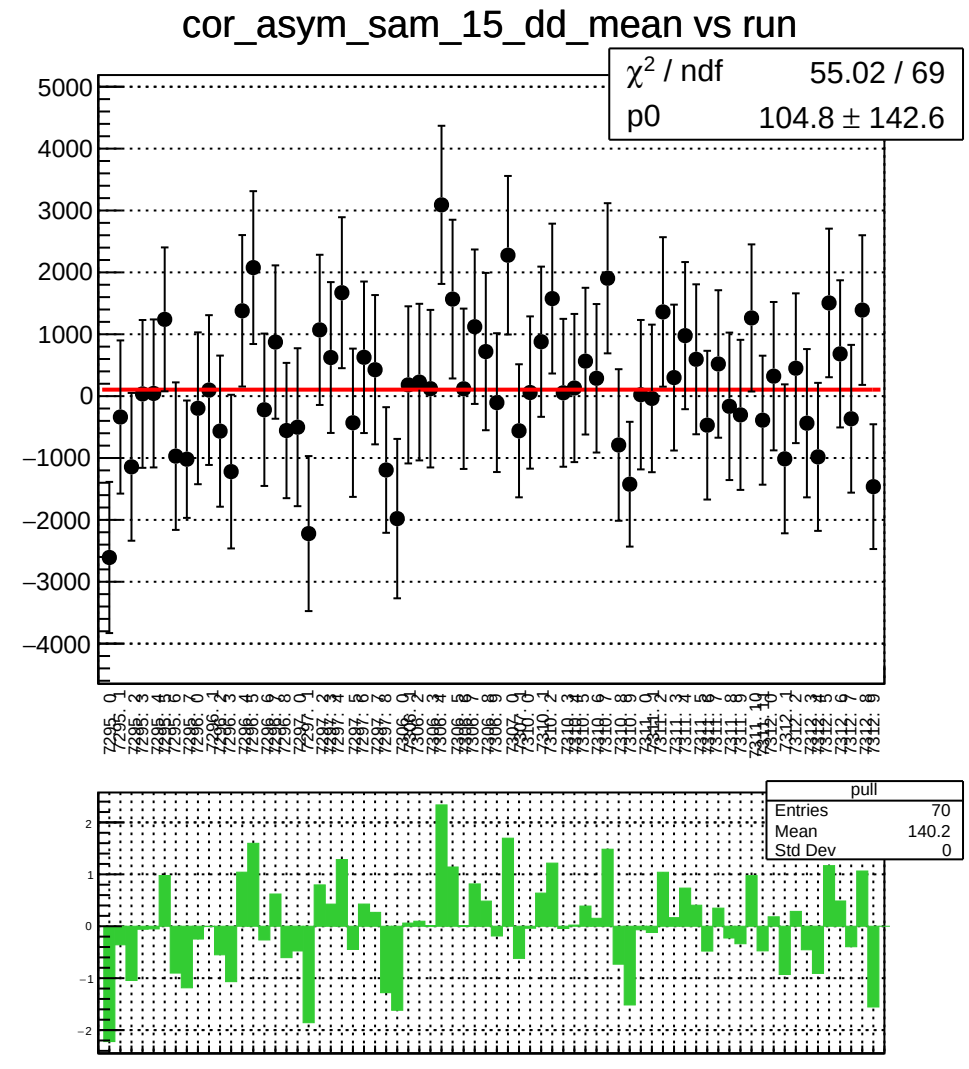

pull1D
Entries 70
Mean 0.02197
Std Dev 0.8863

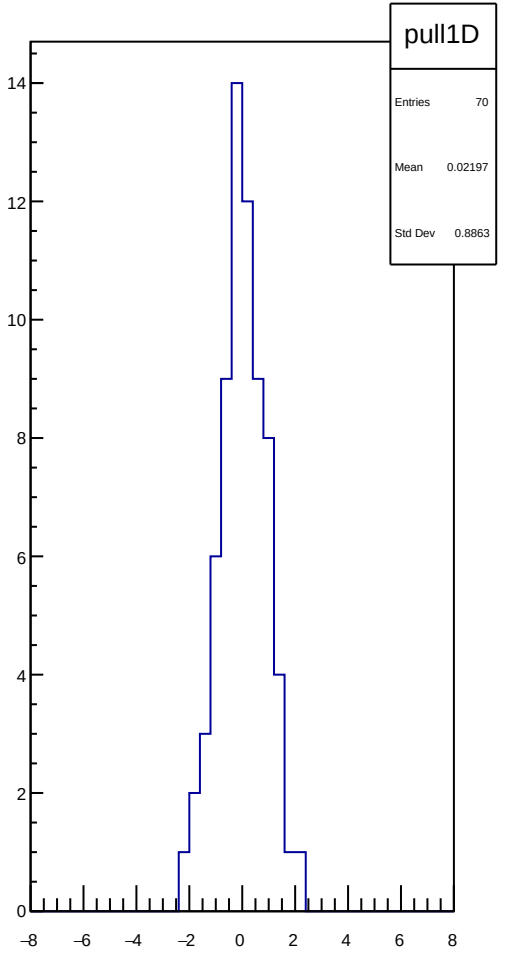

reg_asym_sam_15_dd_rms vs run
χ² / ndf 760.3 / 69
p0 115.7 ± 0.1008
124
122
120
118
116
114
112
110

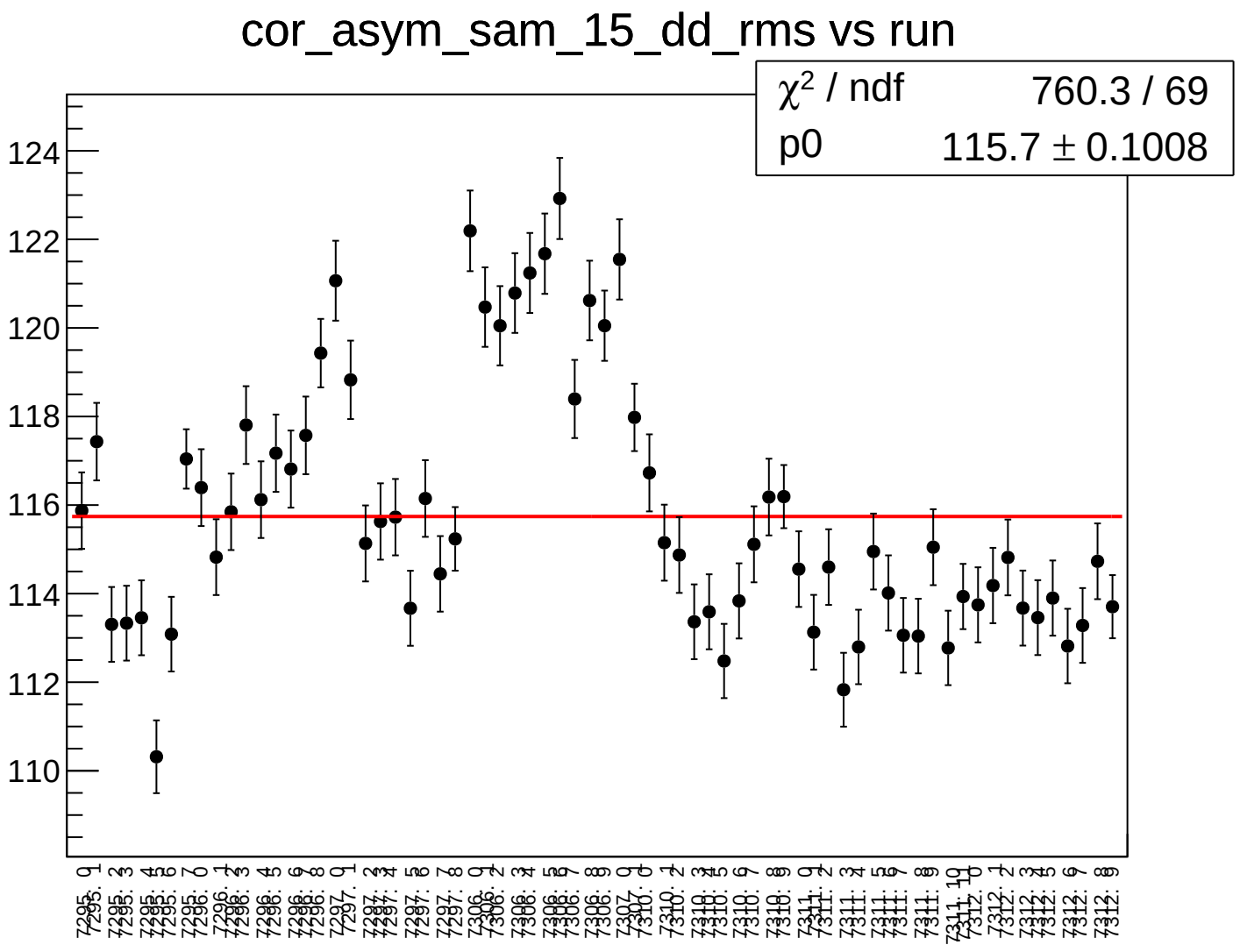

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 55.74 / 69
p0 415.2 ± 799.8
pull
Entries 70
Mean −586.1
Std Dev 0

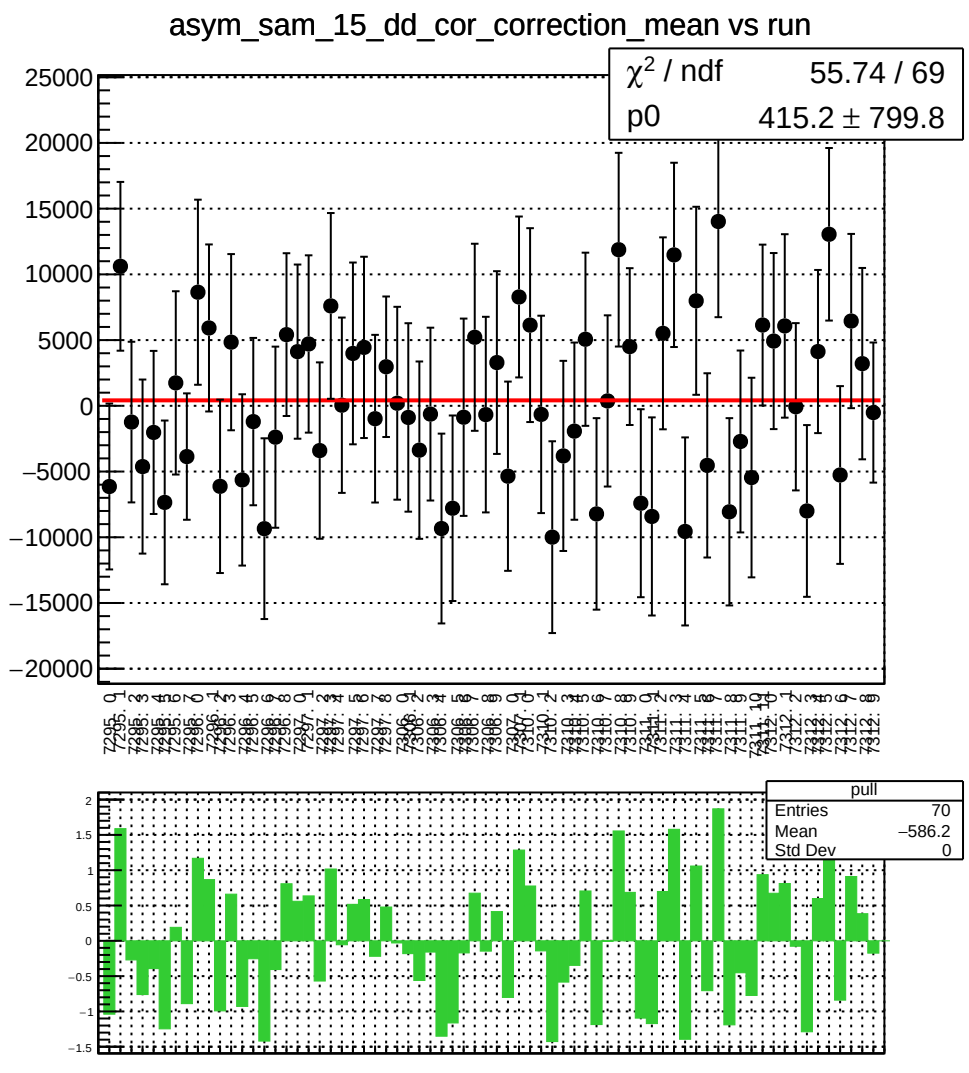

pull1D
Entries 70
Mean −0.00353
Std Dev 0.8923

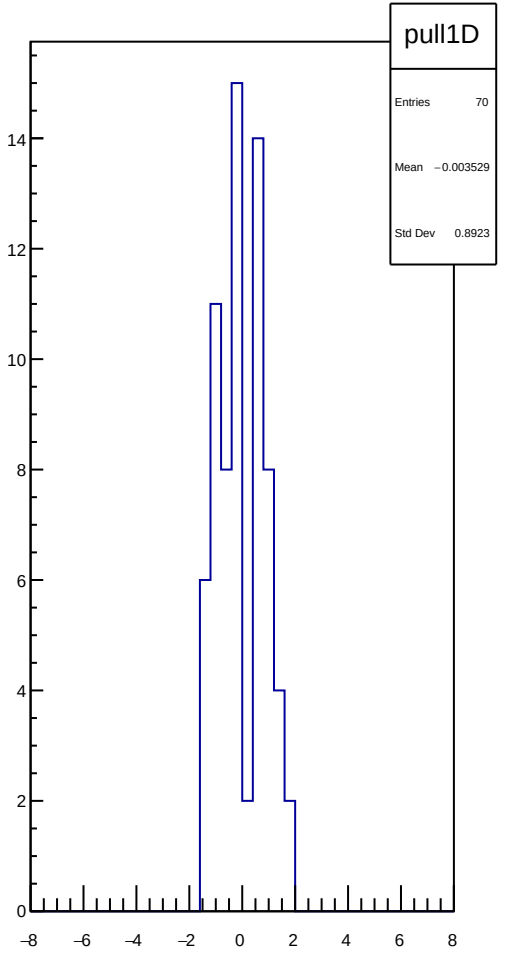

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 4633 / 69
p0 648.4 ± 0.5656
760
740
720
700
680
660
640
620
600
580
560

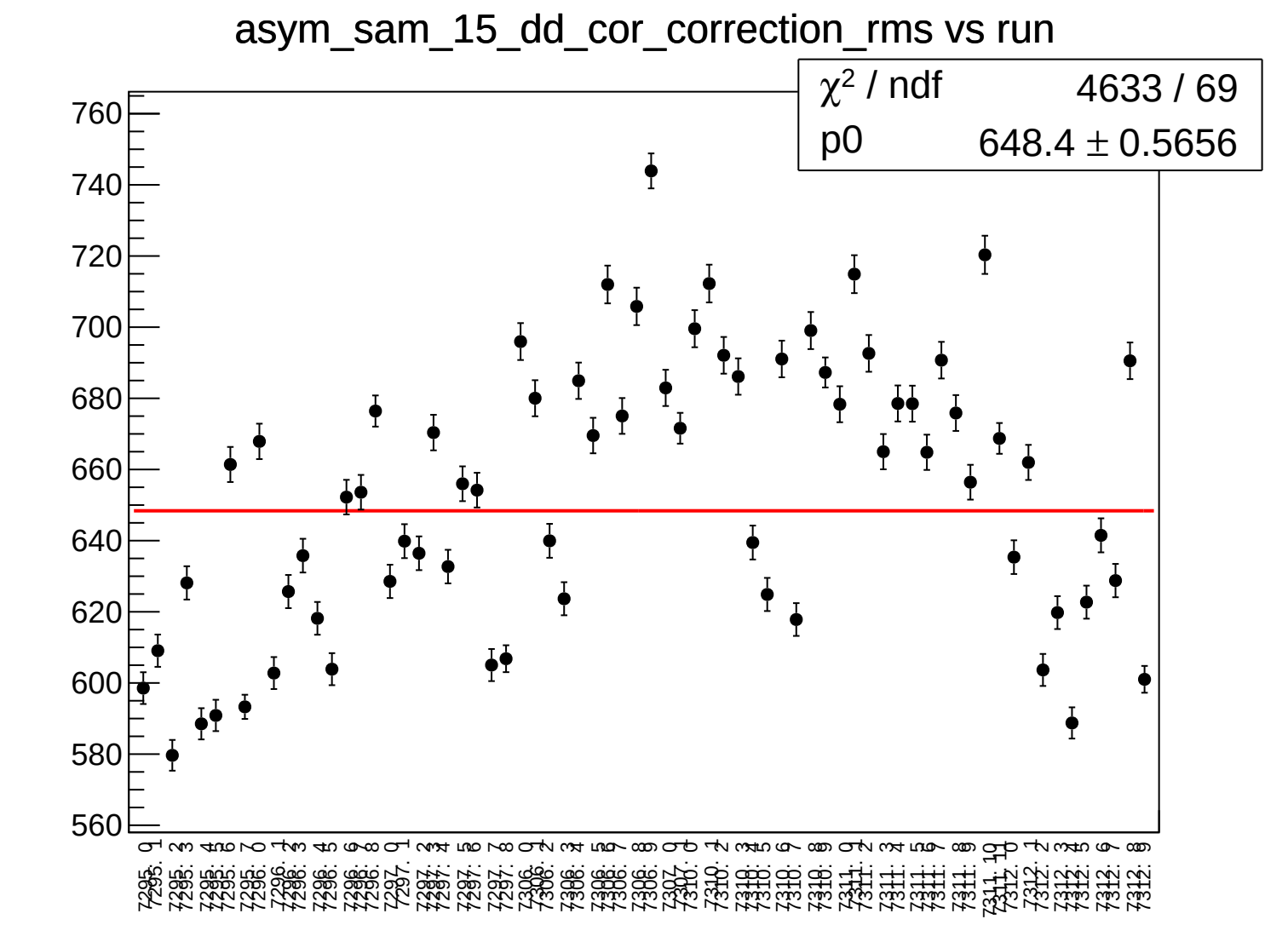

cor_asym_sam_15_dd_mean vs run
χ² / ndf 55.02 / 69
p0 104.8 ± 142.6
pull
Entries 70
Mean 140.2
Std Dev 0

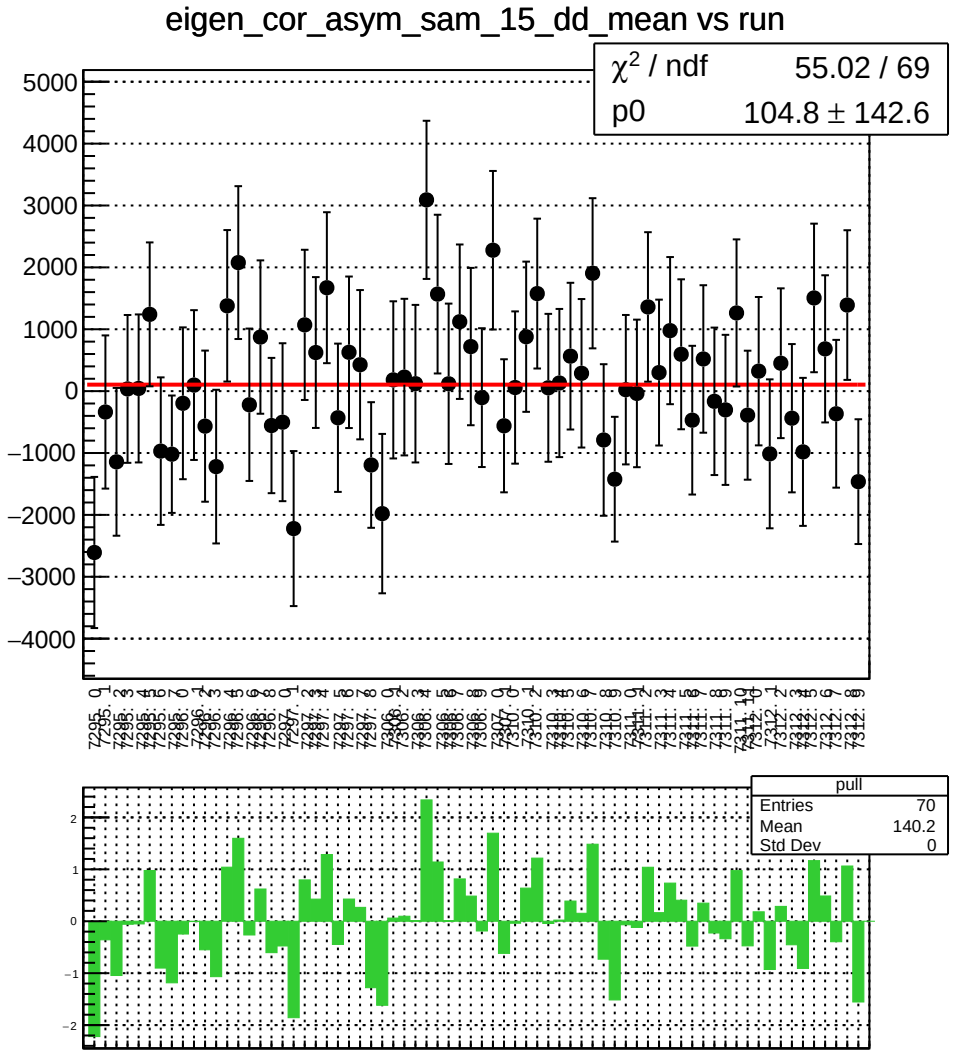

pull1D
Entries 70
Mean 0.02197
Std Dev 0.8863

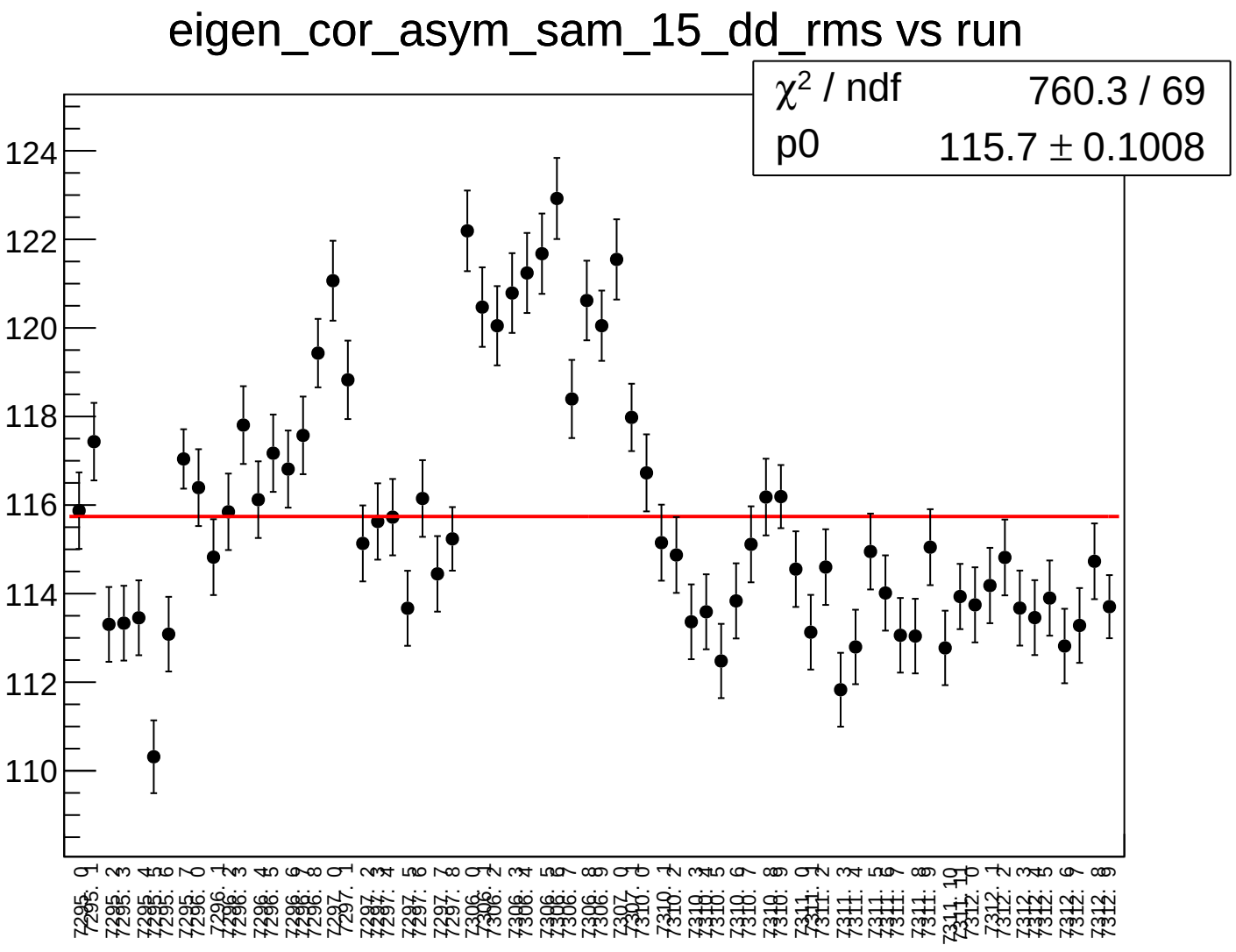

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 760.3 / 69
p0 115.7 ± 0.1008
124
122
120
118
116
114
112
110

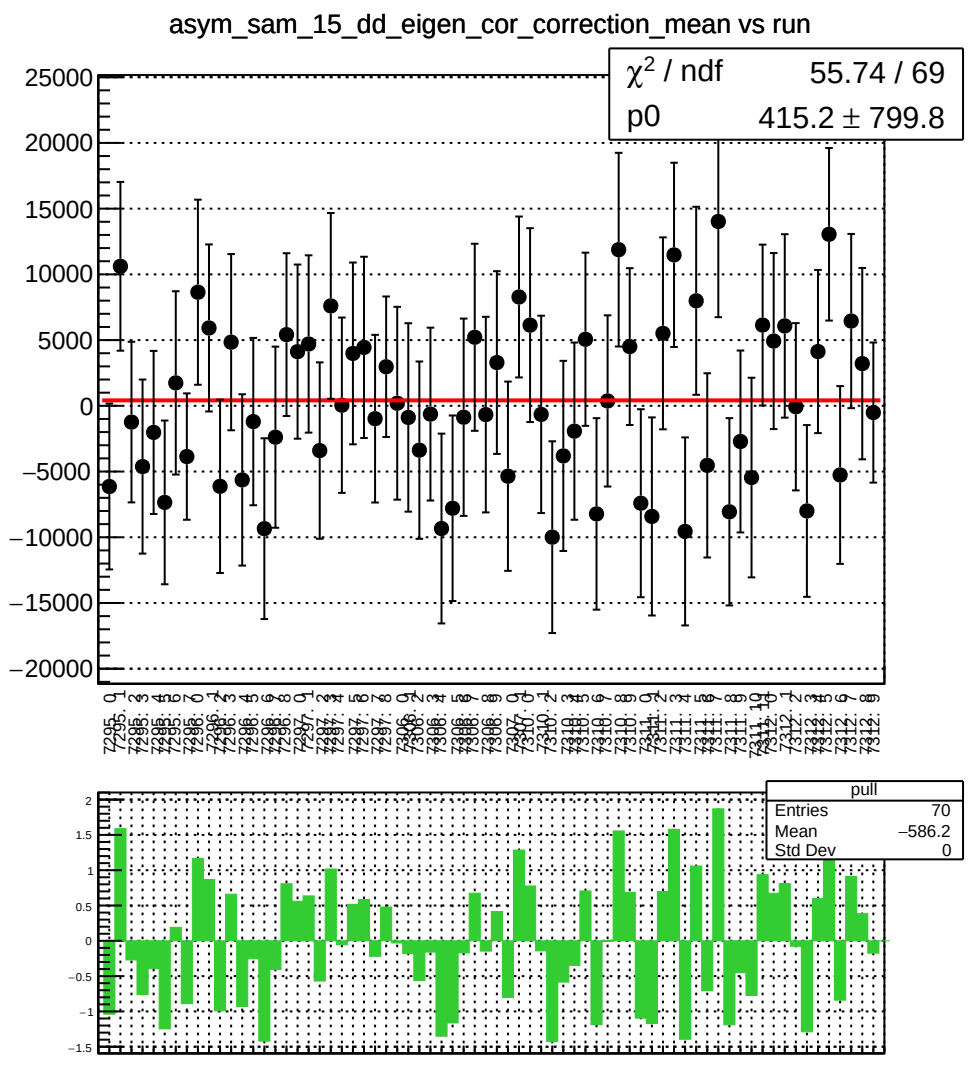

asym_sam_15_dd_cor_correction_mean vs run
χ^2 / ndf 55.74 / 69
p0 415.2 ± 799.8
pull
Entries 70
Mean −586.2
Std Dev 0

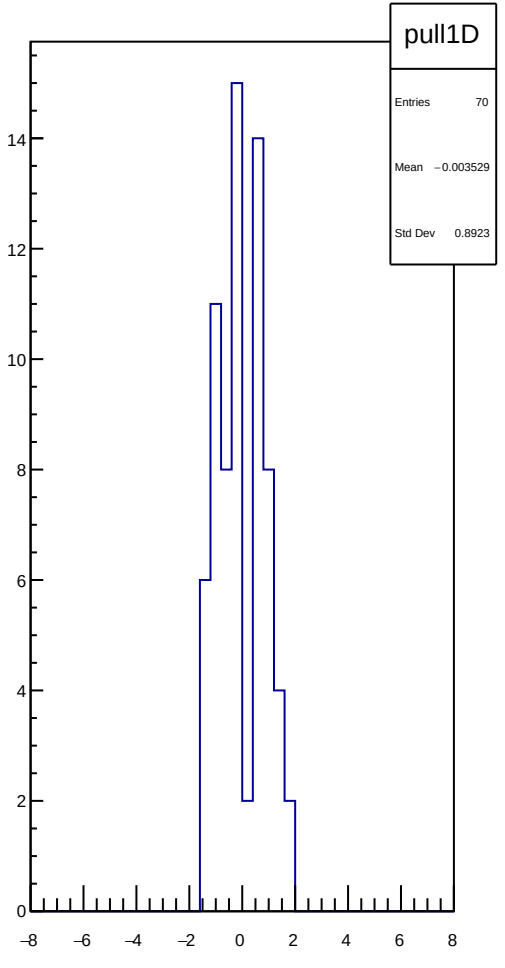

pull1D
Entries 70
Mean −0.003529
Std Dev 0.8923

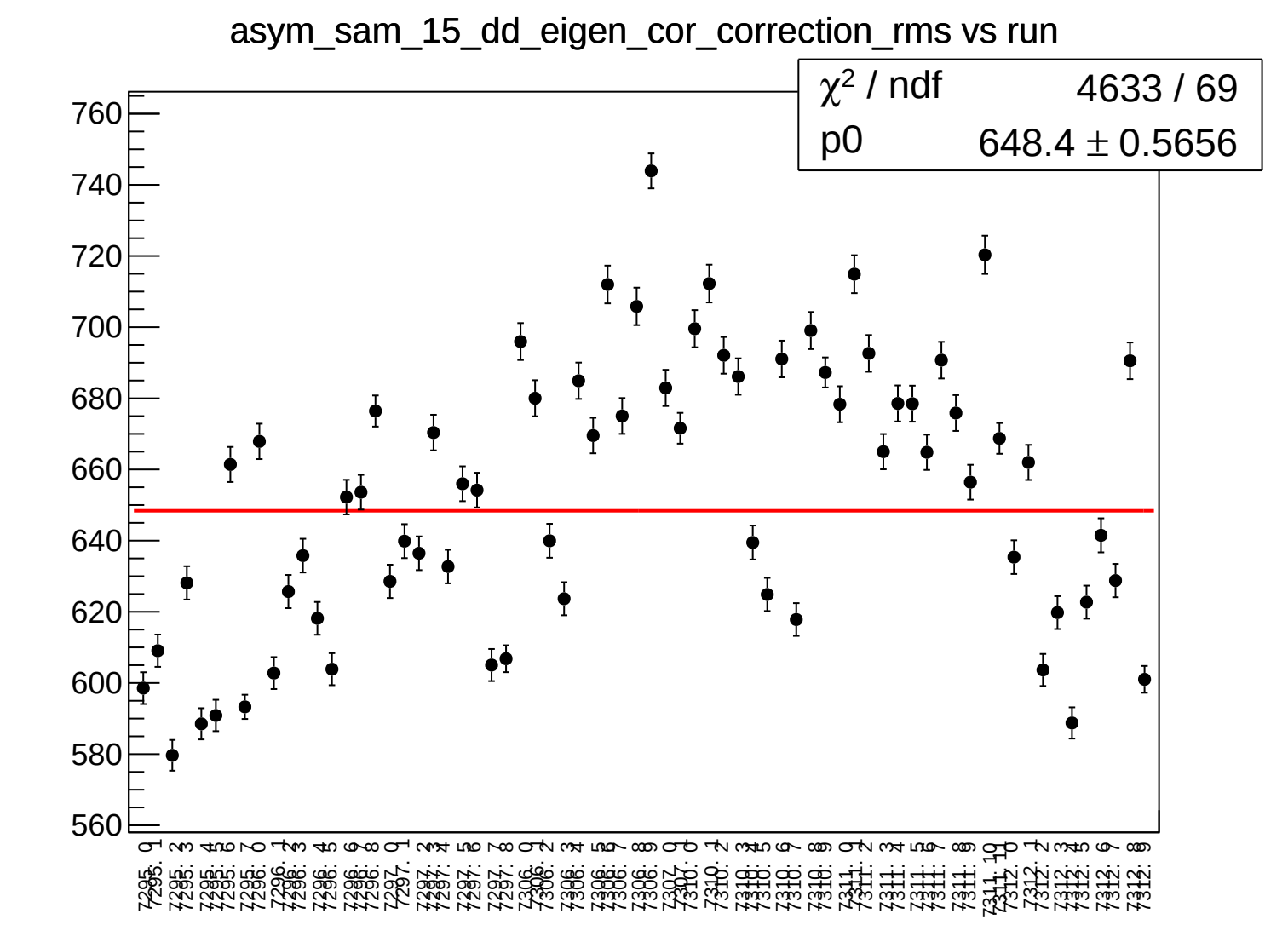

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 4633 / 69
p0 648.4 ± 0.5656
760
740
720
700
680
660
640
620
600
580
560

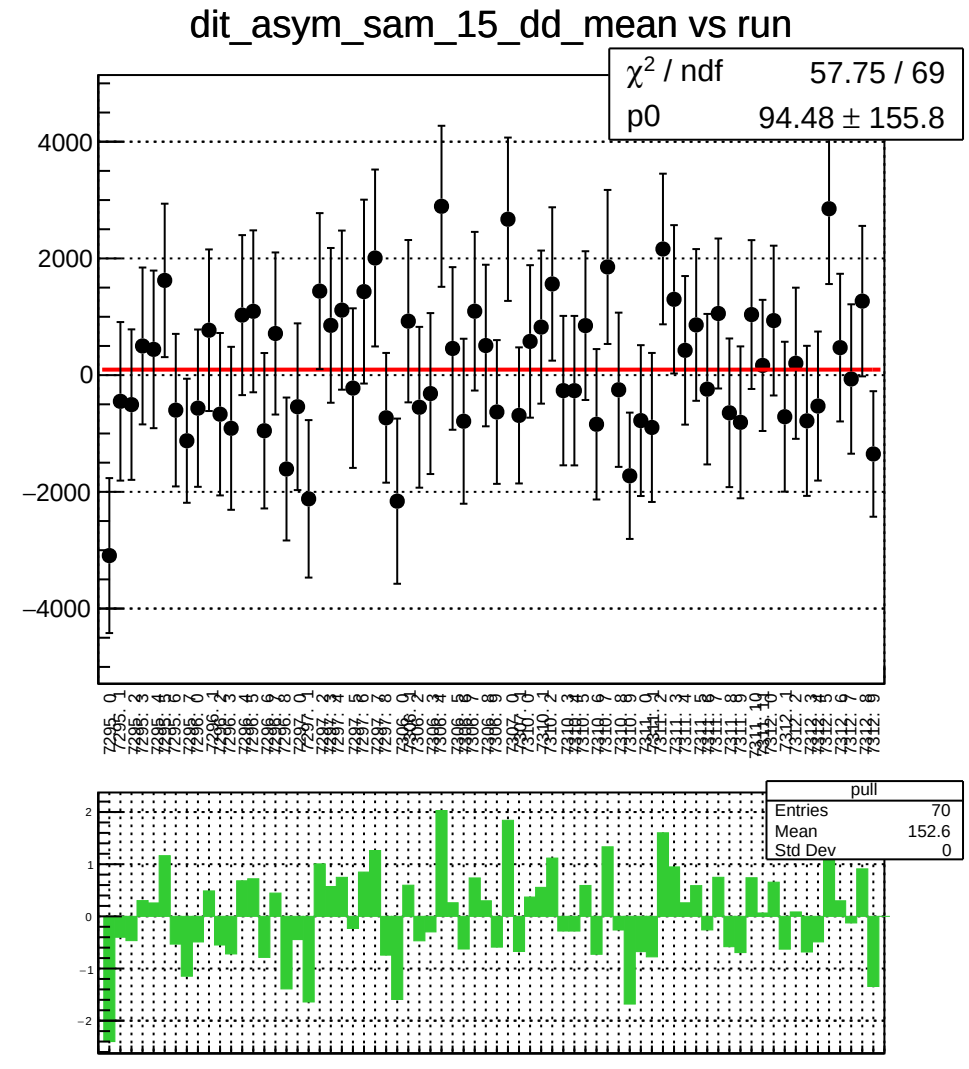

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 55.02 / 69
p0 104.8 ± 142.6
pull
Entries 70
Mean 140.2
Std Dev 0
pull1D
Entries 70
Mean 0.02197
Std Dev 0.8863

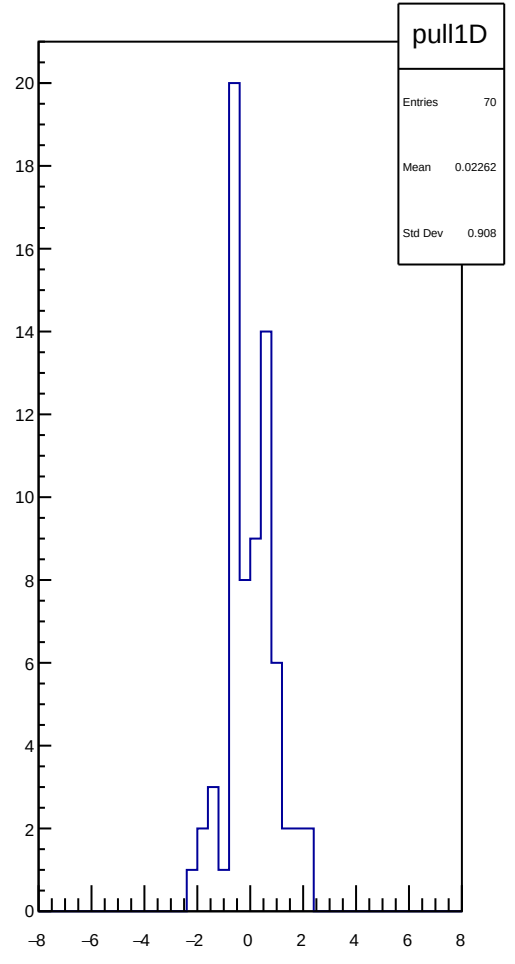

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 760.3 / 69
p0 115.7 ± 0.1008
124
122
120
118
116
114
112
110

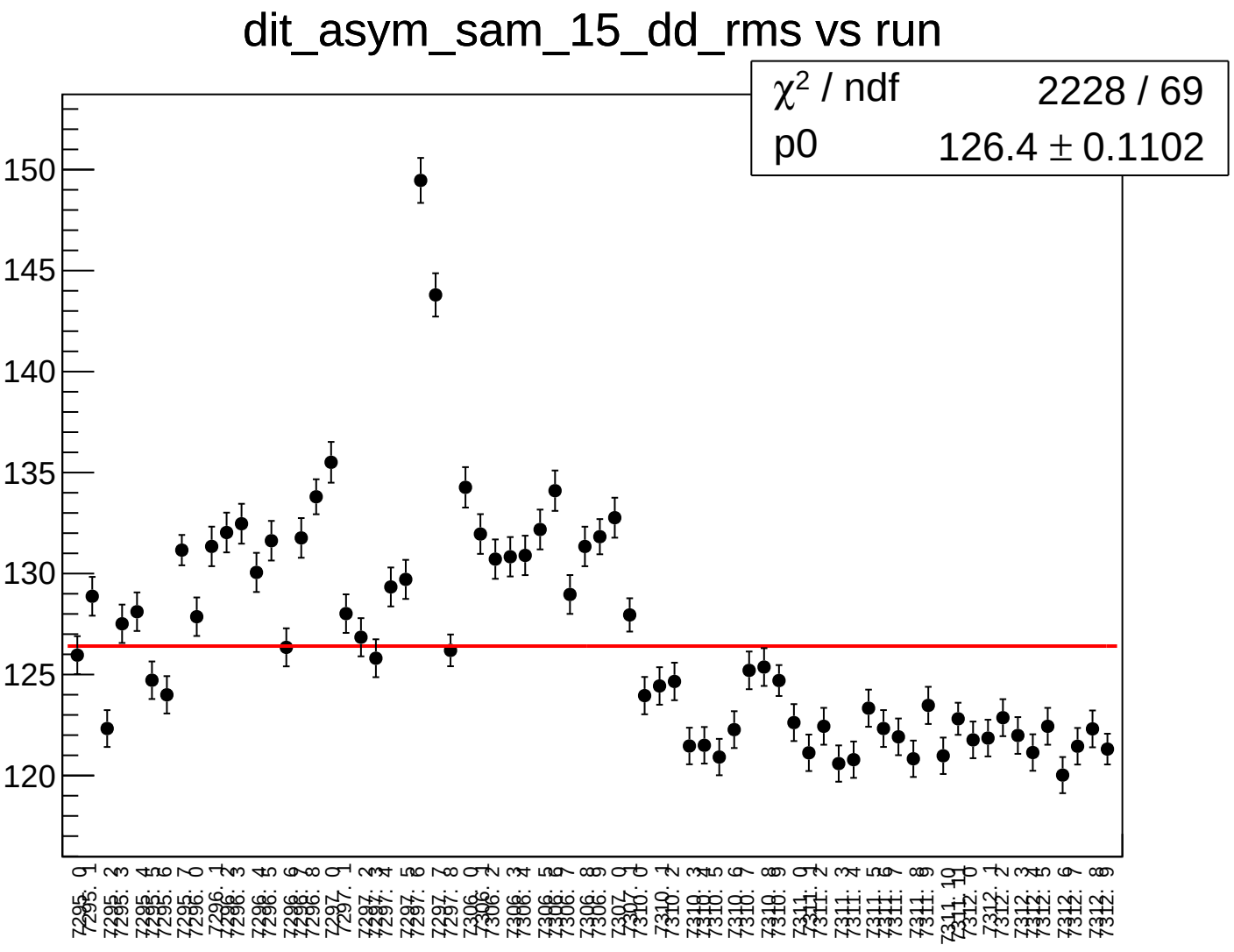

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.74 / 69
p0 415.2 ± 799.8
pull
Entries 70
Mean −586.2
Std Dev 0

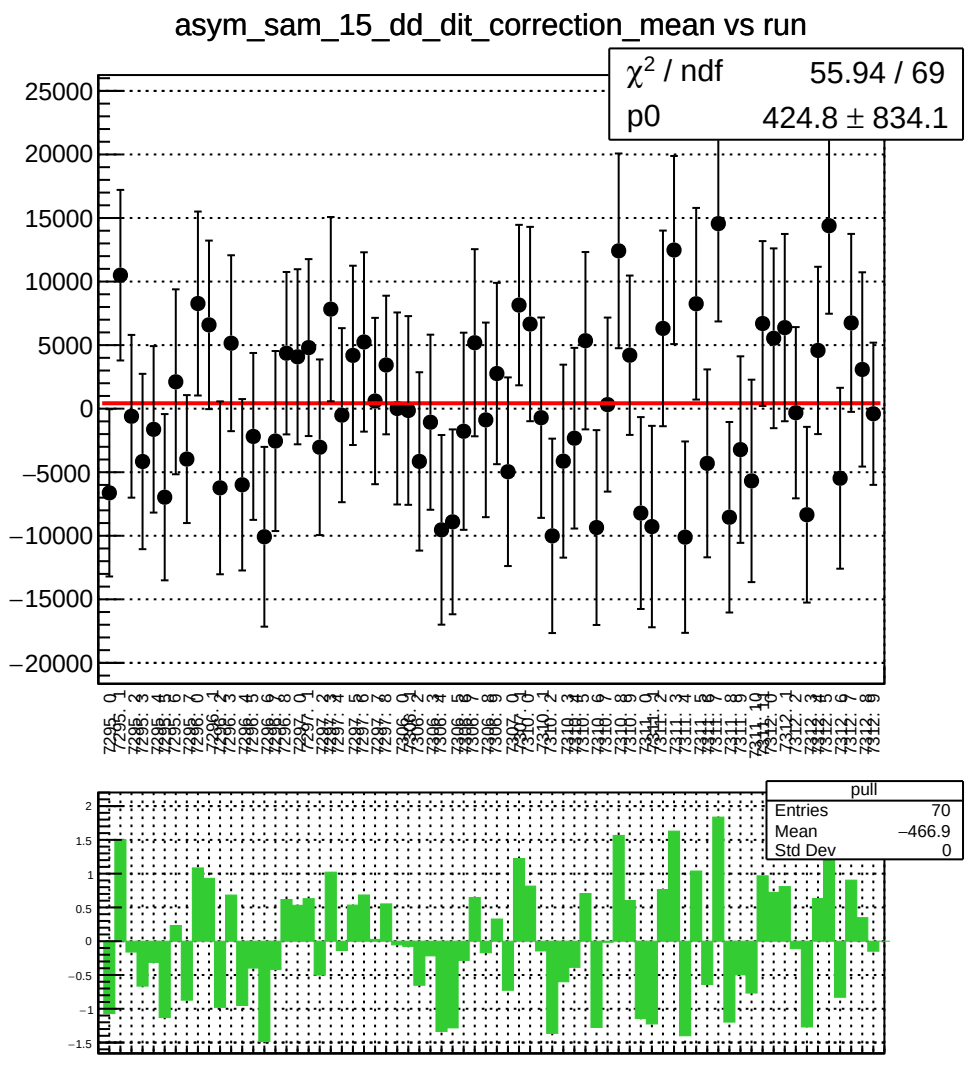

pull1D
Entries 70
Mean −0.003529
Std Dev 0.8923

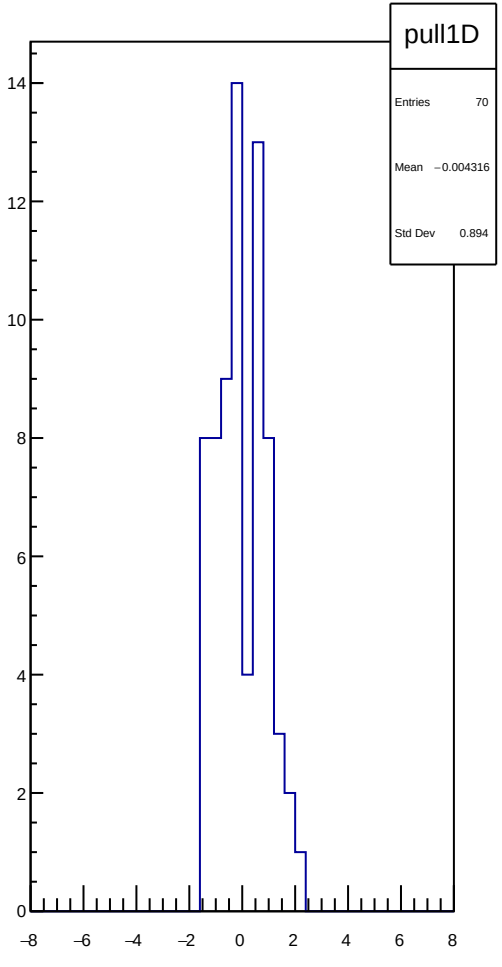

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 4633 / 69
p0 648.4 ± 0.5656
760
740
720
700
680
660
640
620
600
580
560

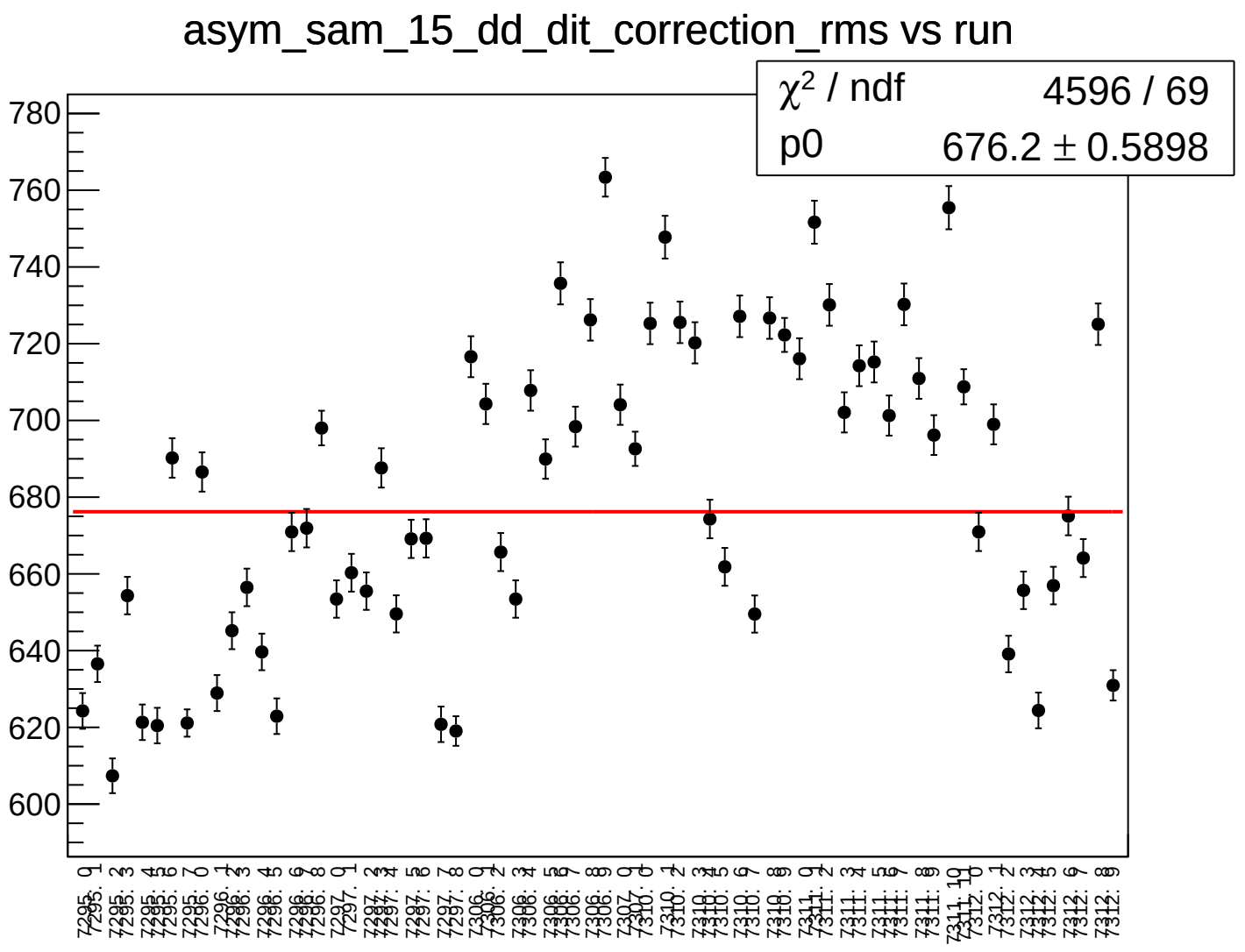

dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.75 / 69
p0 94.48 ± 155.8
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 152.6
Std Dev 0
2
1
0
−1
−2

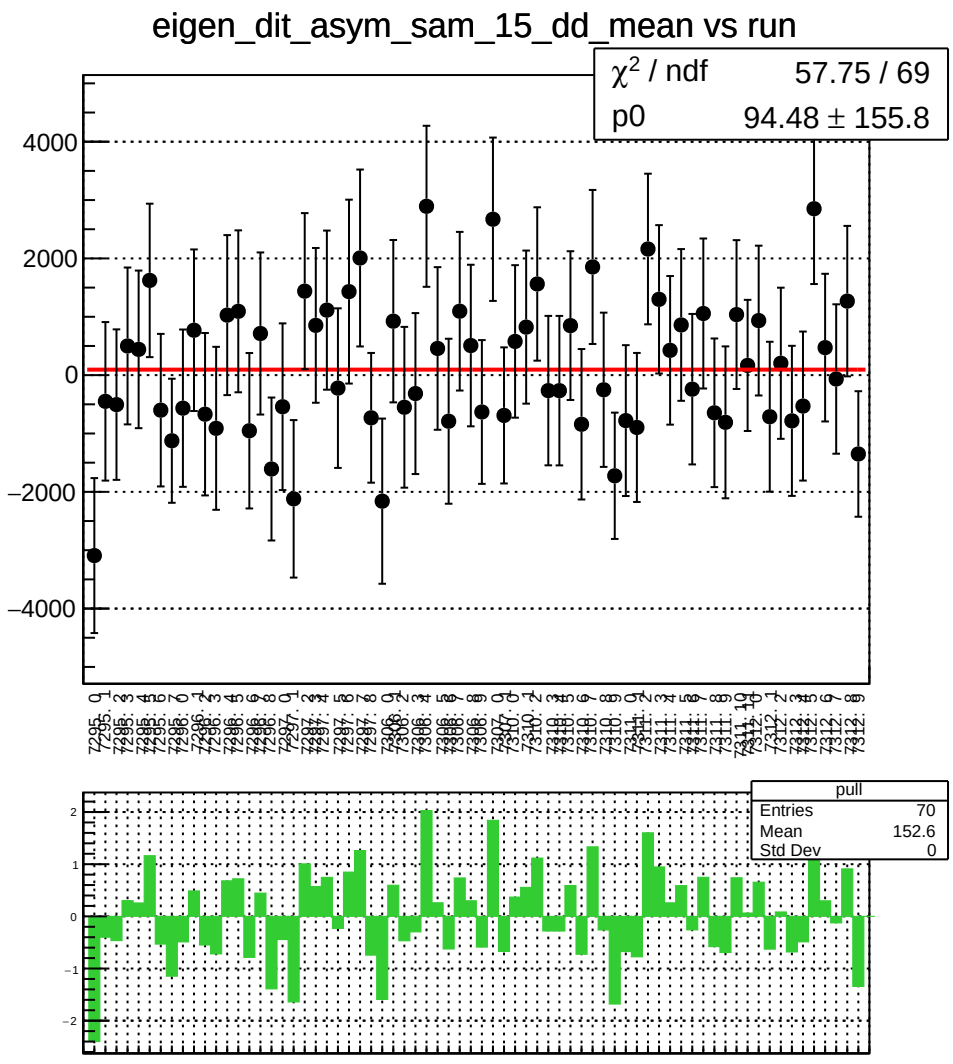

pull1D
Entries 70
Mean 0.02262
Std Dev 0.908
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

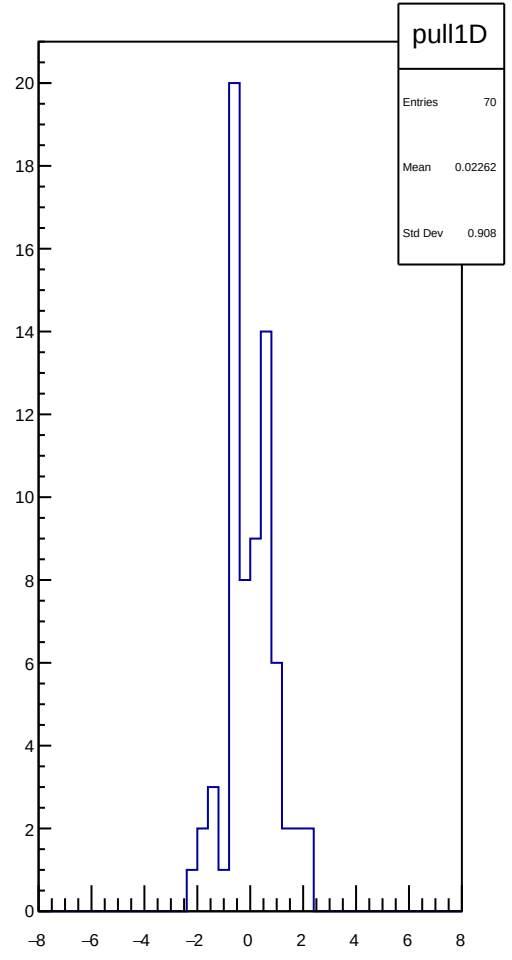

dit_asym_sam_15_dd_rms vs run
χ² / ndf 2228 / 69
p0 126.4 ± 0.1102
150
145
140
135
130
125
120

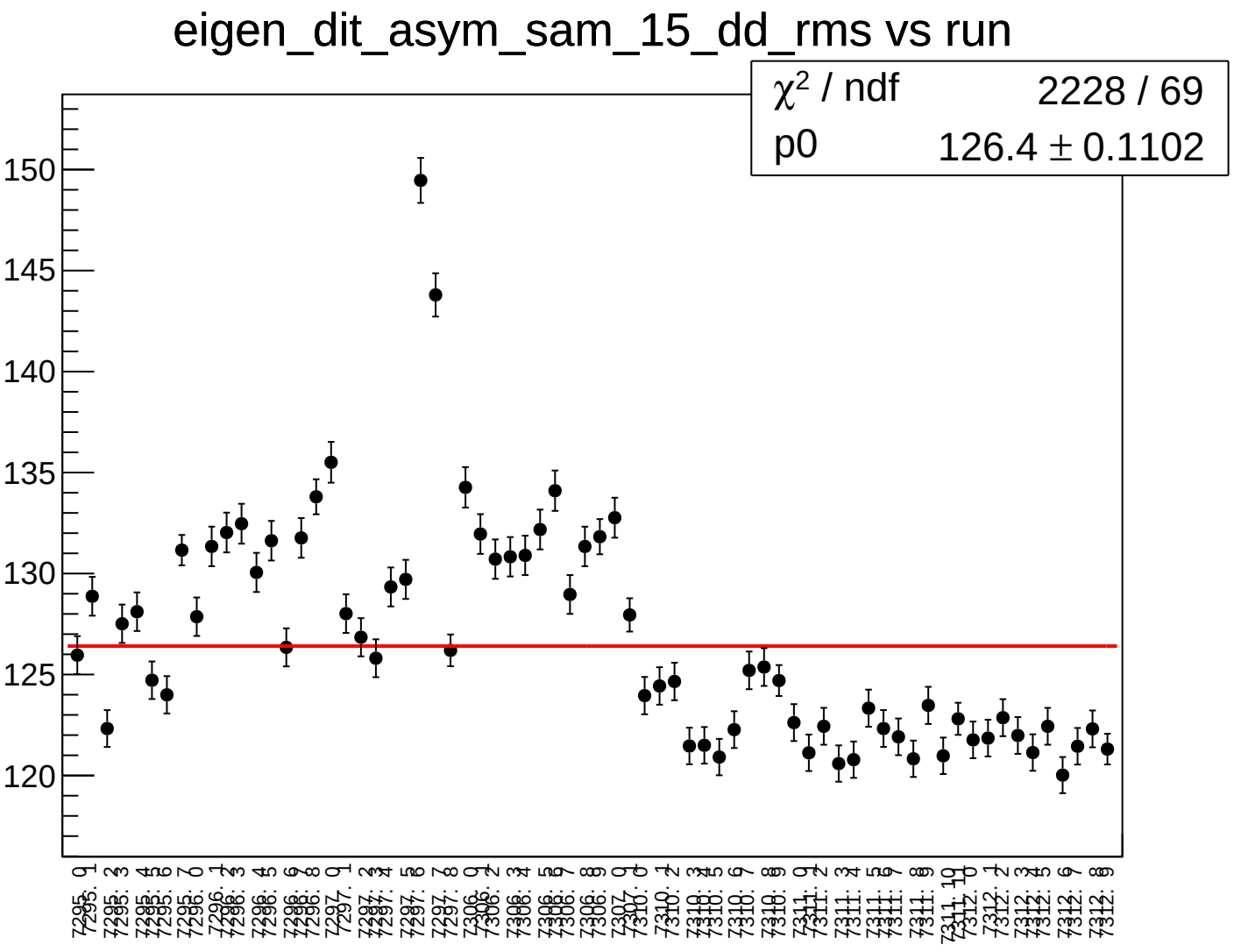

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 55.94 / 69
p0 424.8 ± 834.1
pull
Entries 70
Mean −466.9
Std Dev 0

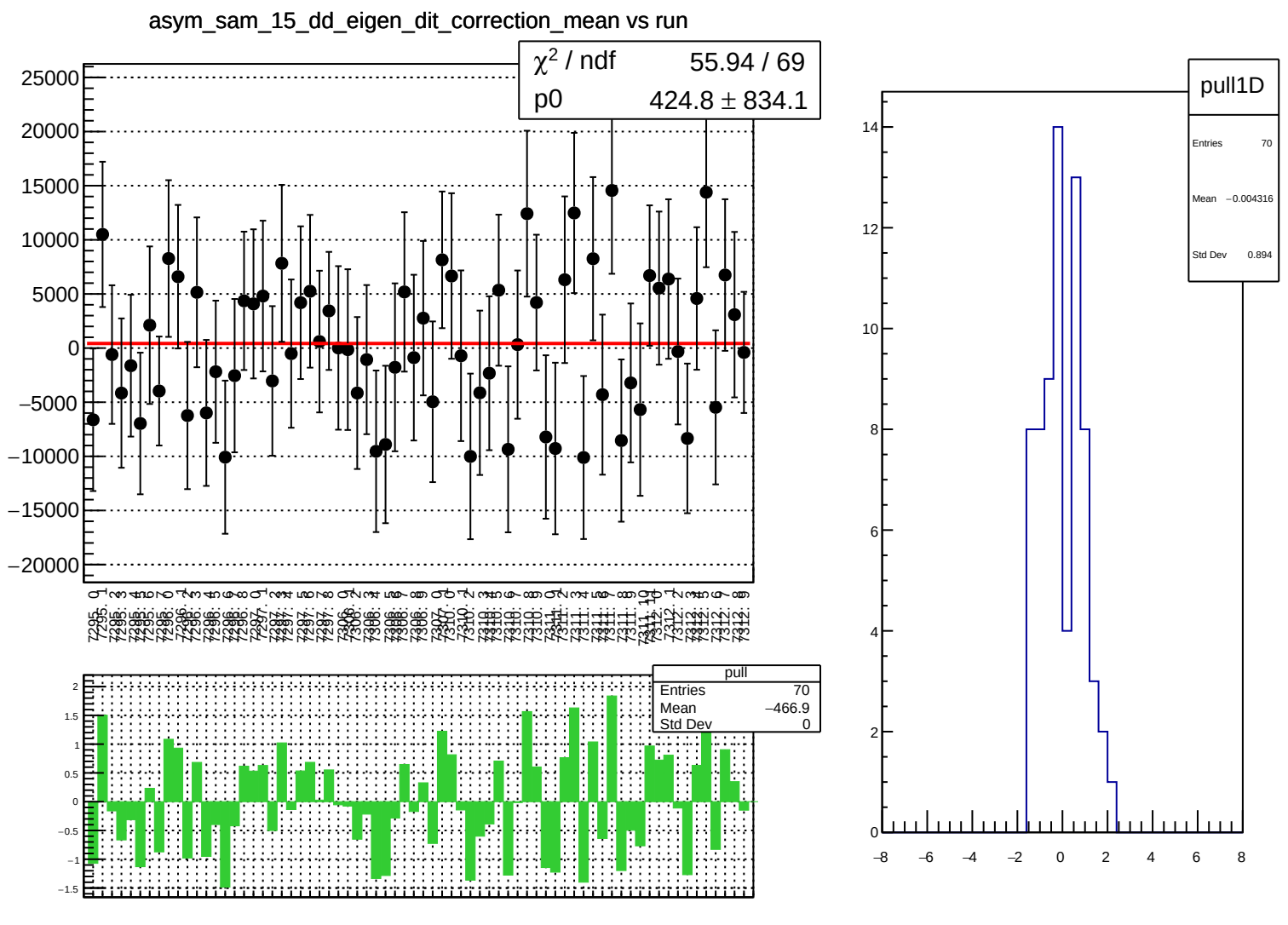

pull1D
Entries 70
Mean −0.004316
Std Dev 0.894

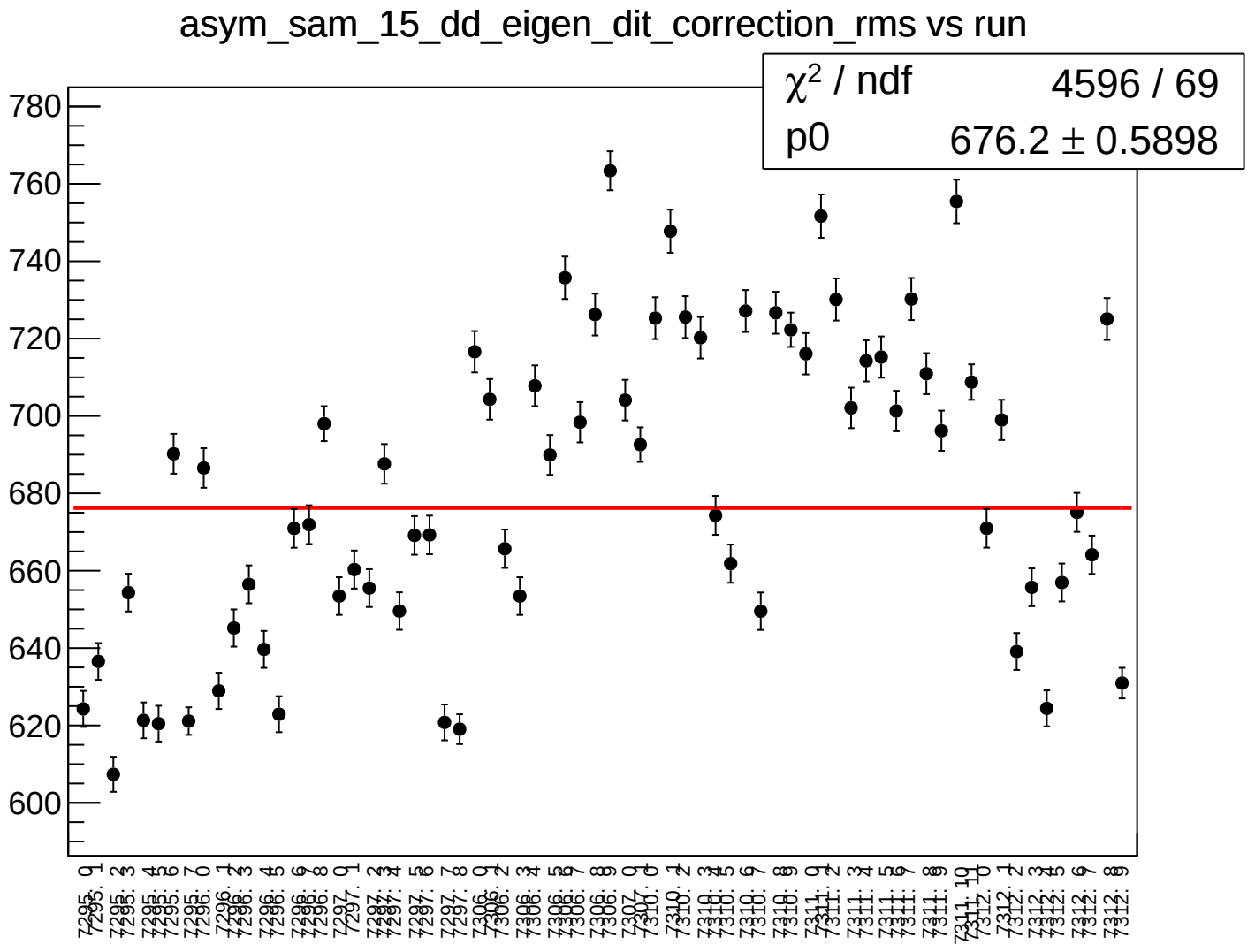

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 4596 / 69
p0 676.2 ± 0.5898
780
760
740
720
700
680
660
640
620
600

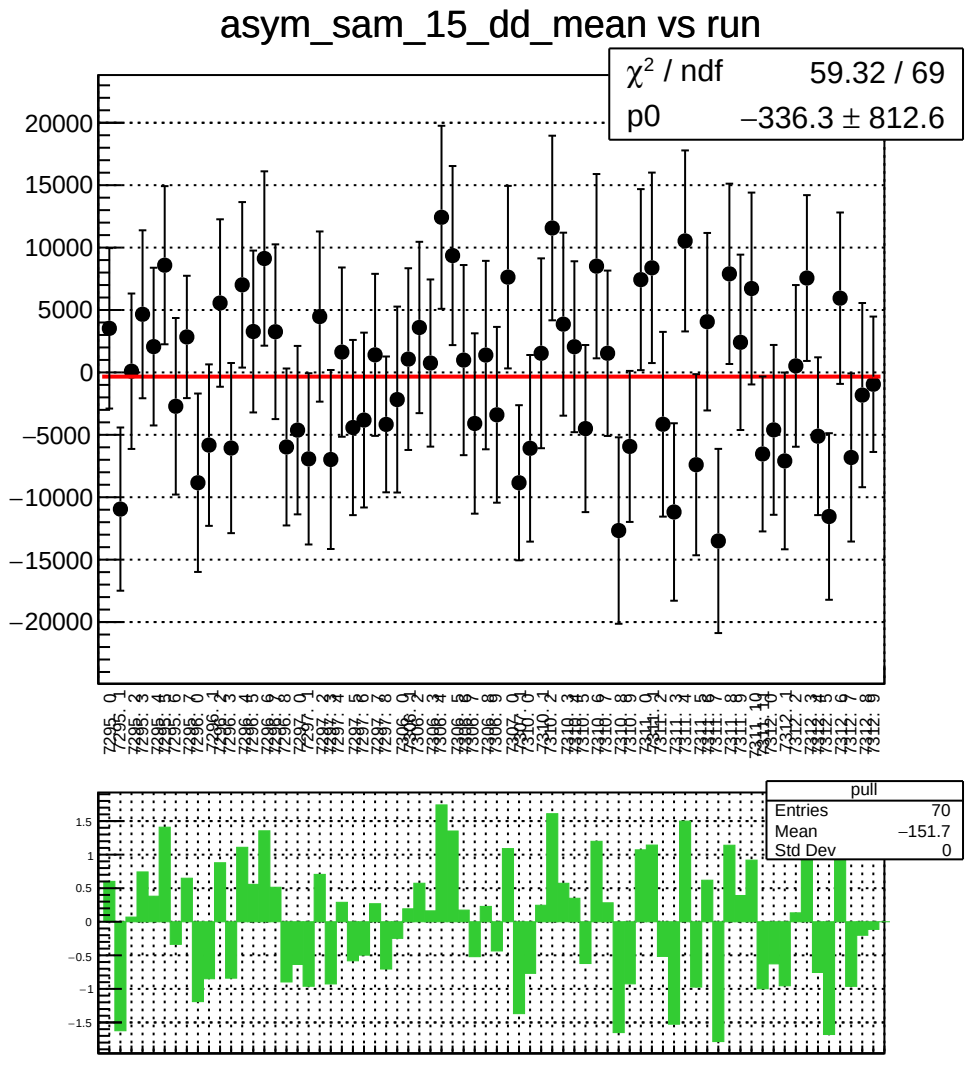

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.75 / 69
p0 94.48 ± 155.8
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 152.6
Std Dev 0
2
1
0
−1
−2

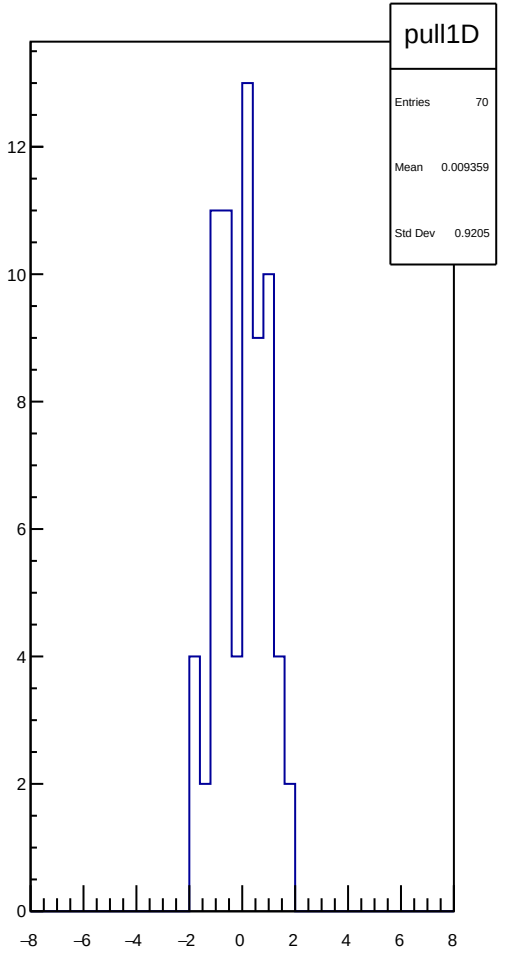

pull1D
Entries 70
Mean 0.02262
Std Dev 0.908
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

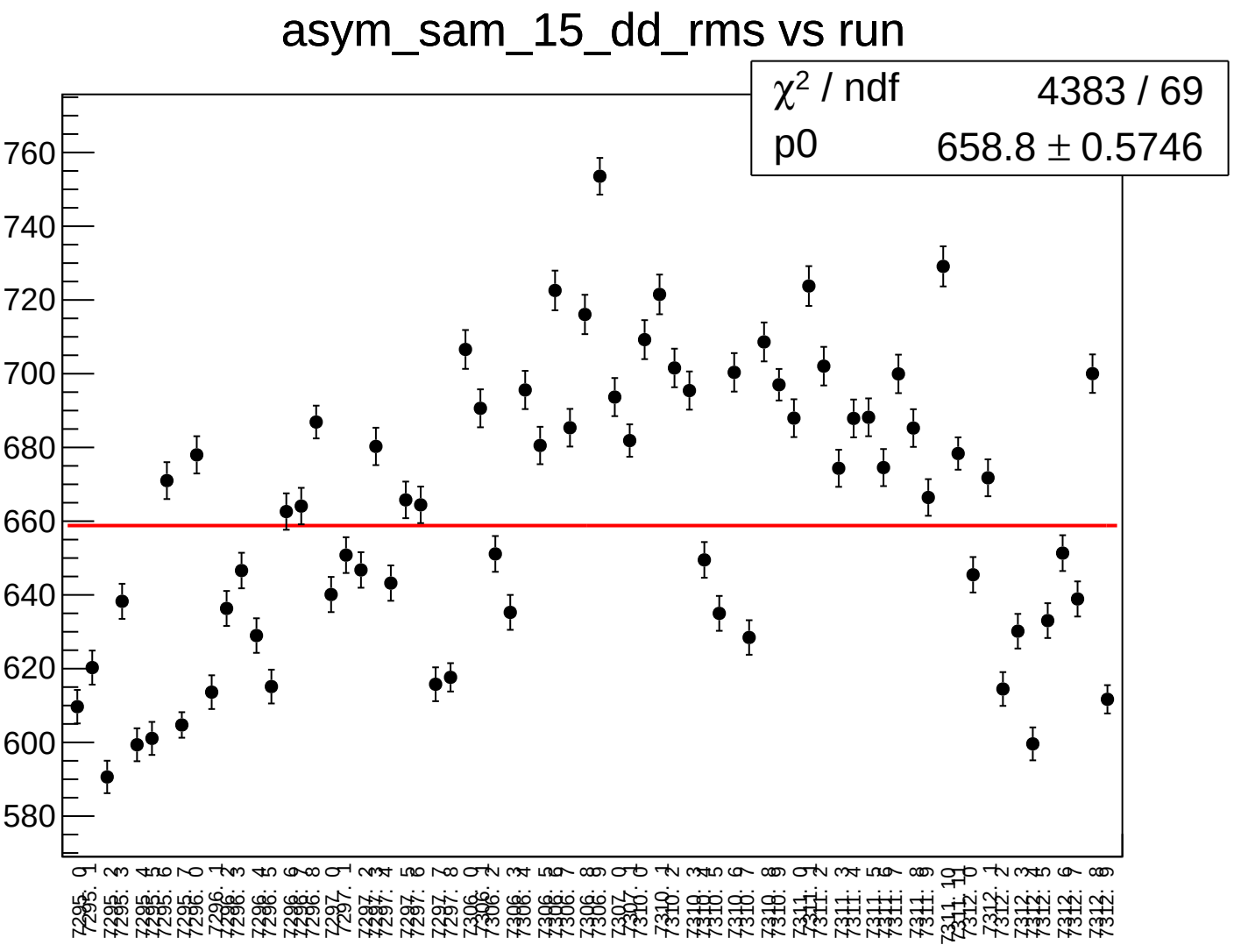

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 2228 / 69
p0 126.4 ± 0.1102
150
145
140
135
130
125
120

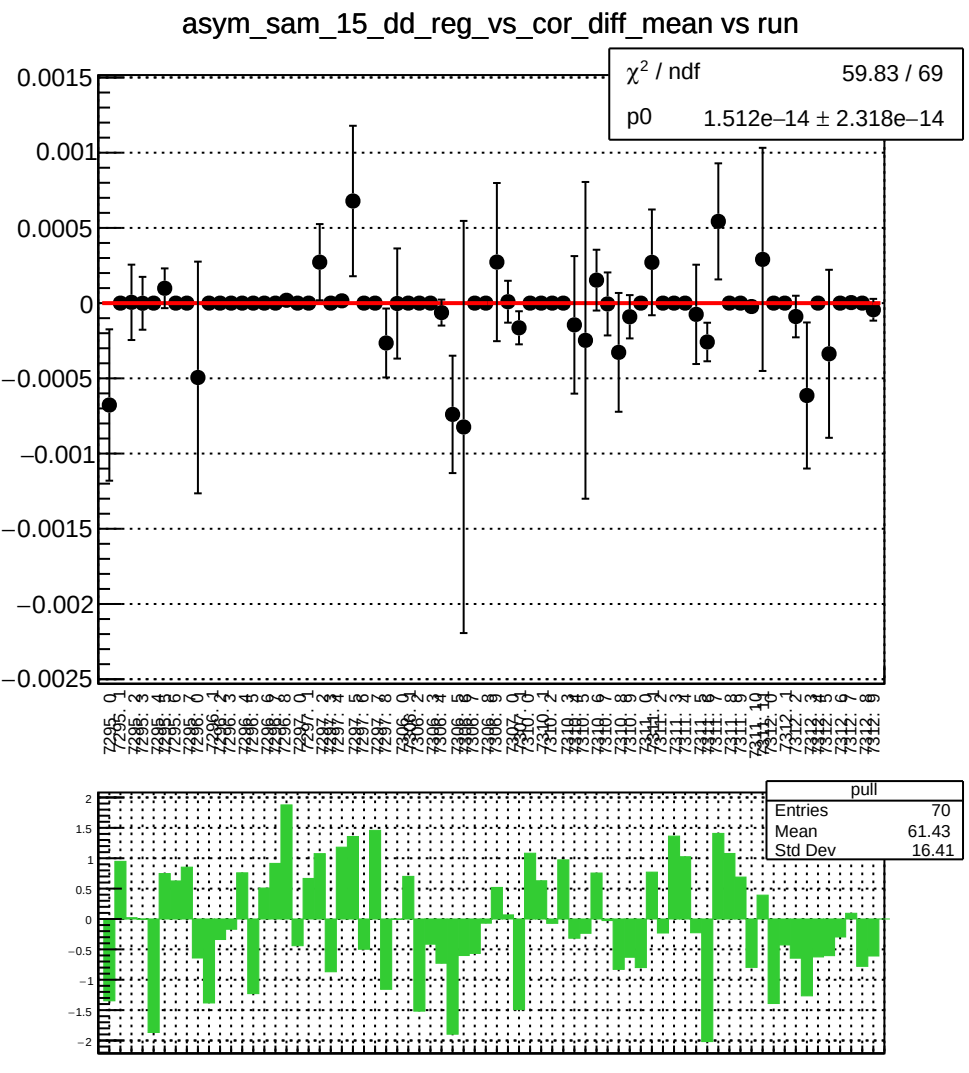

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.94 / 69
p0 424.8 ± 834.1
pull
Entries 70
Mean −466.9
Std Dev 0
pull1D
Entries 70
Mean −0.004316
Std Dev 0.894

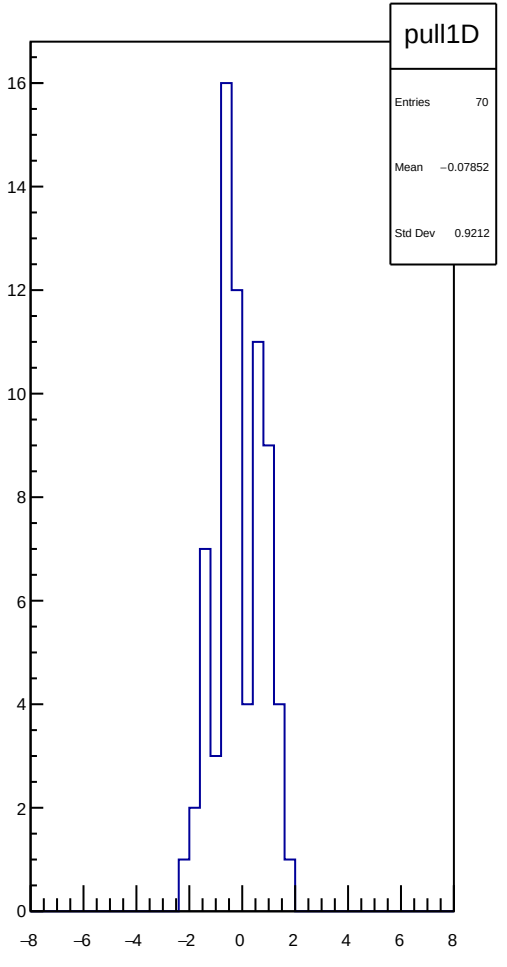

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 4596 / 69
p0 676.2 ± 0.5898
780
760
740
720
700
680
660
640
620
600

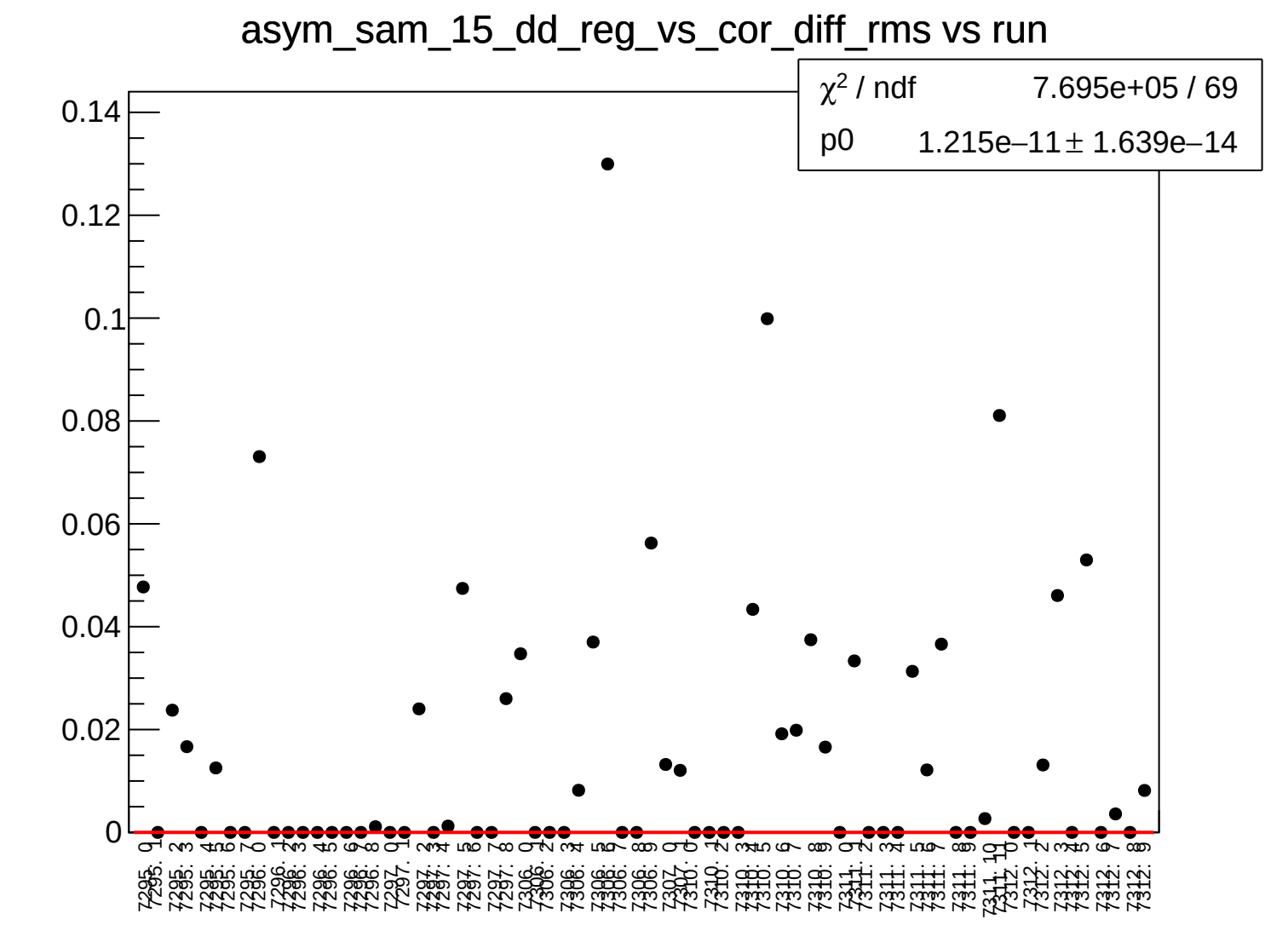

asym_sam_15_dd_mean vs run
χ² / ndf 59.32 / 69
p0 −336.3 ± 812.6
pull
Entries 70
Mean −151.7
Std Dev 0

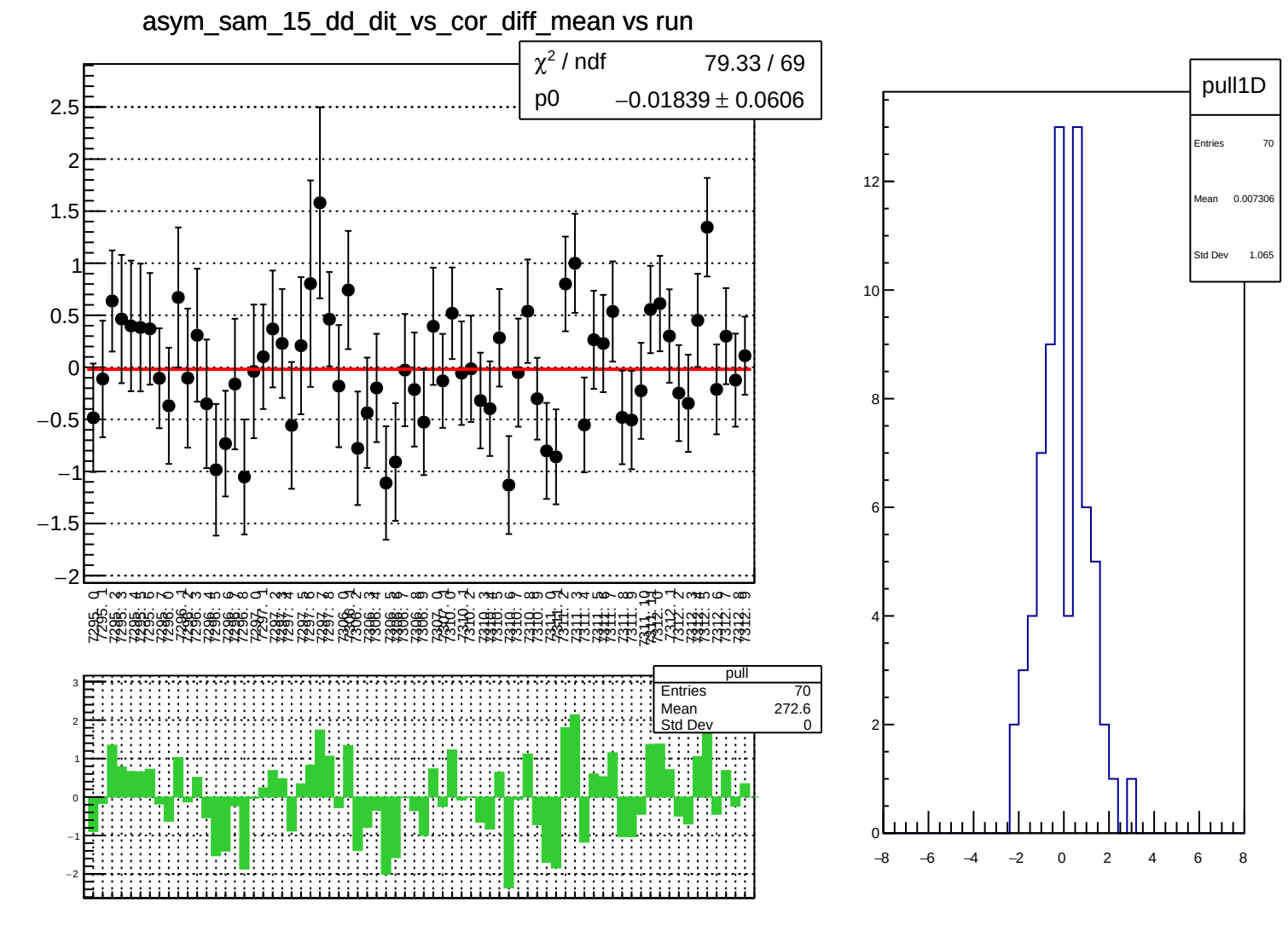

pull1D
Entries 70
Mean 0.009359
Std Dev 0.9205

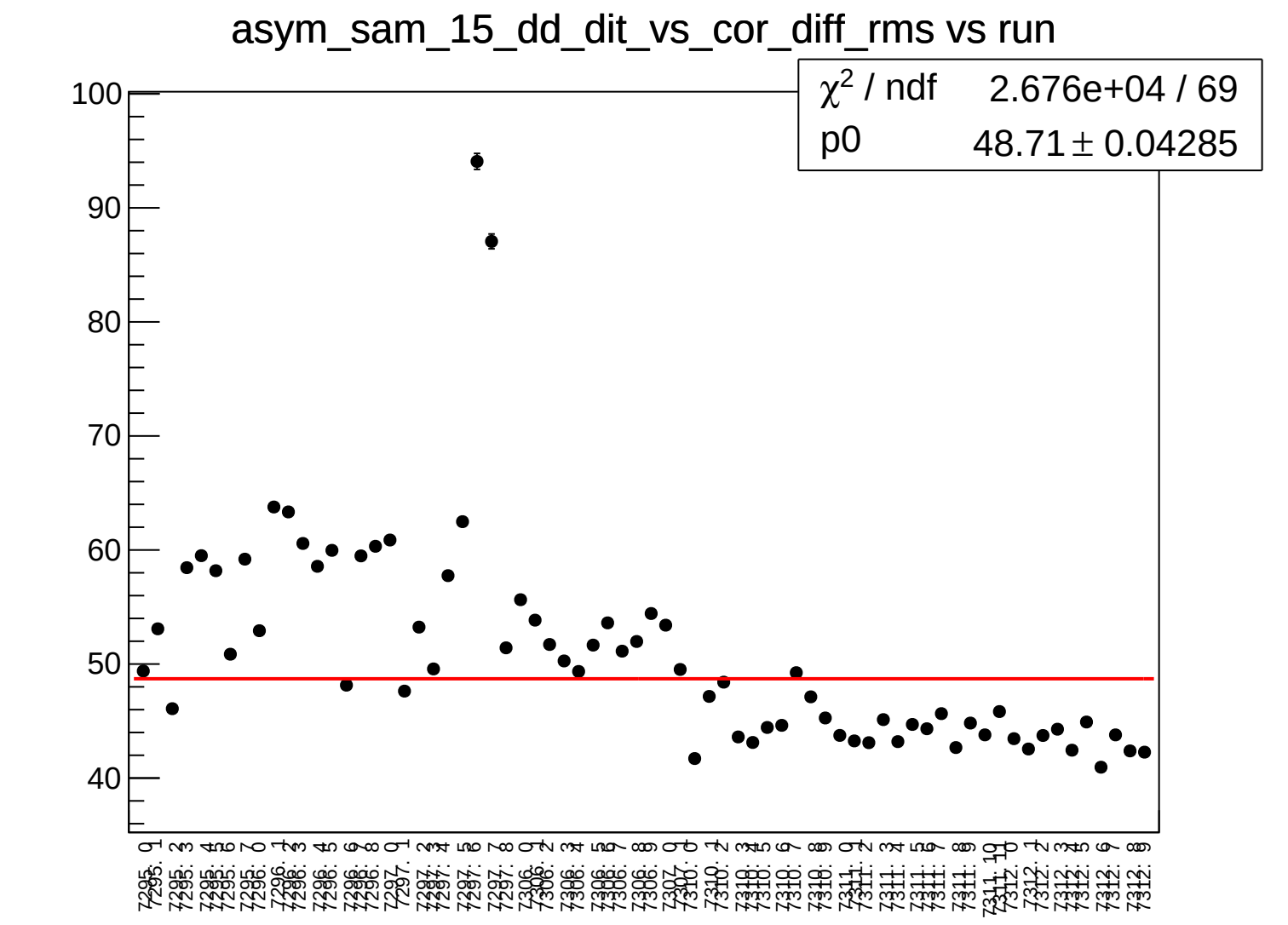

asym_sam_15_dd_rms vs run
χ² / ndf 4383 / 69
p0 658.8 ± 0.5746
760
740
720
700
680
660
640
620
600
580

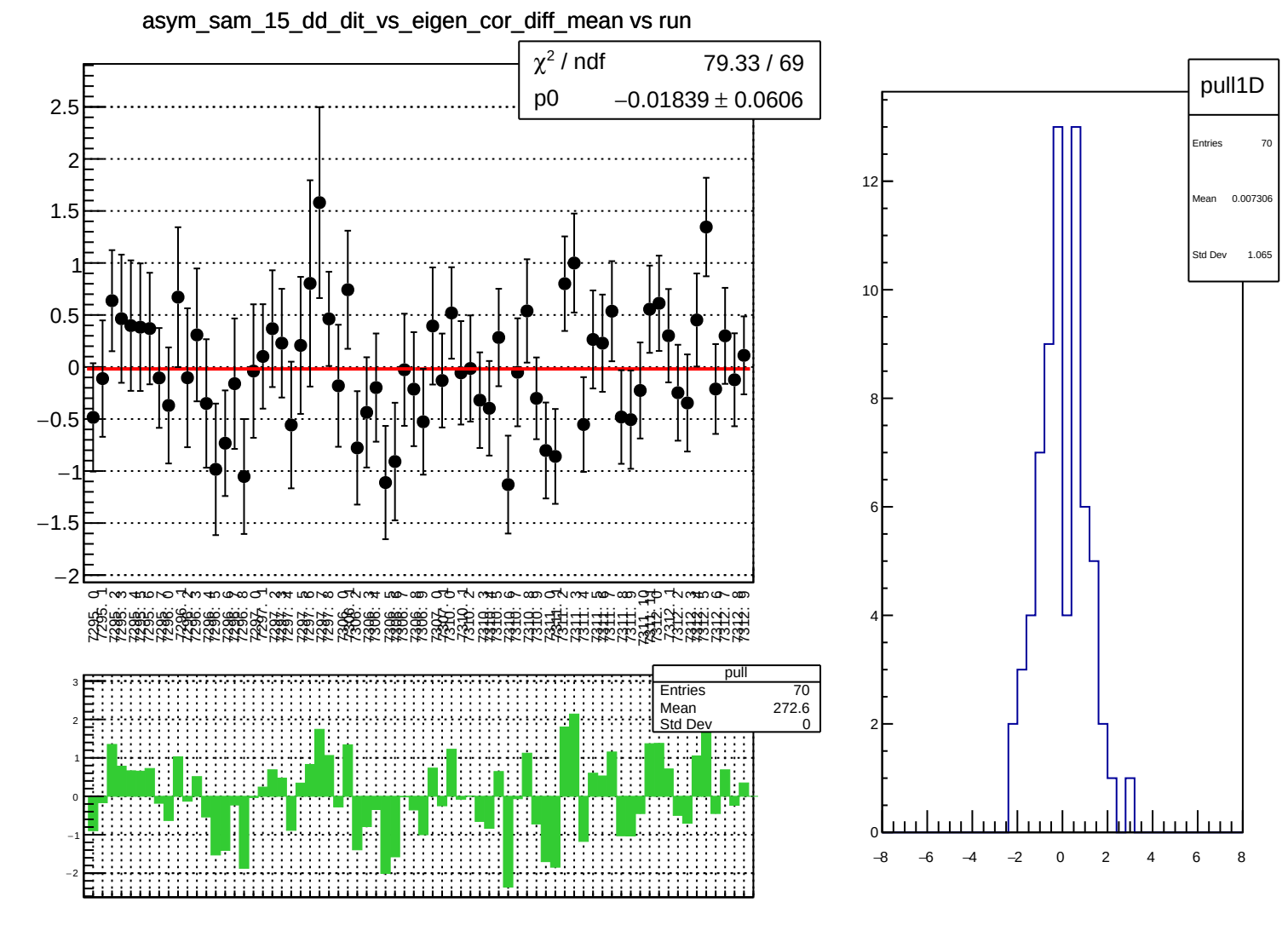

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.83 / 69
p0 1.512e−14 ± 2.318e−14
pull
Entries 70
Mean 61.43
Std Dev 16.41

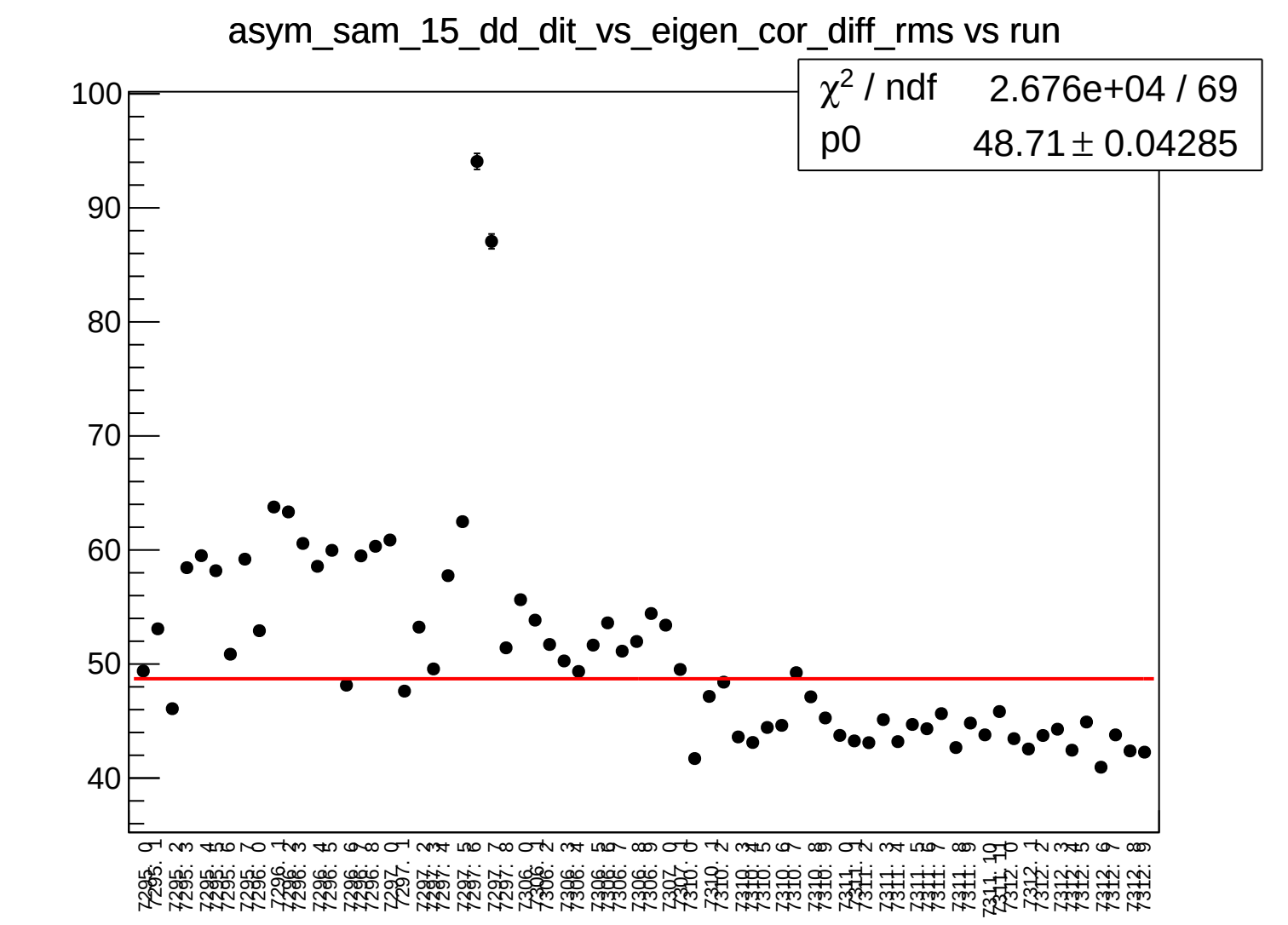

pull1D
Entries 70
Mean −0.07852
Std Dev 0.9212

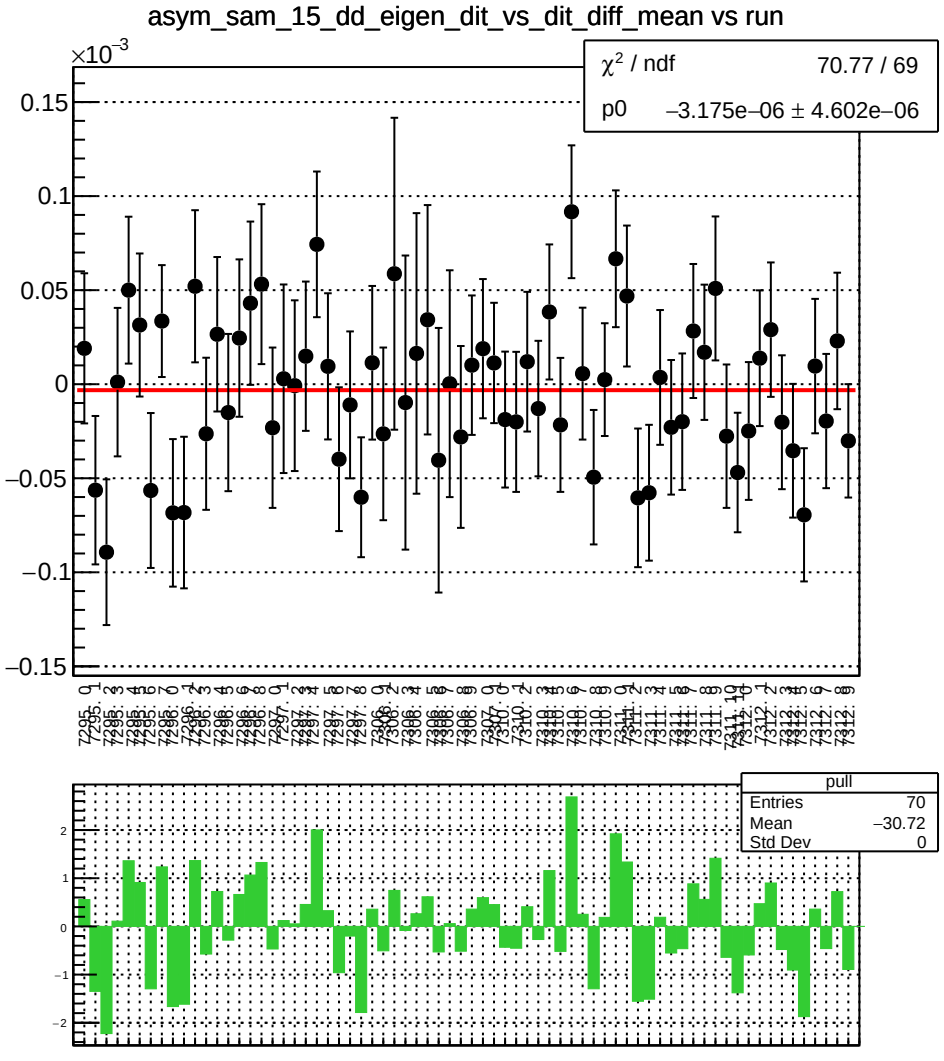

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 7.695e+05 / 69
p0 1.215e−11 ± 1.639e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

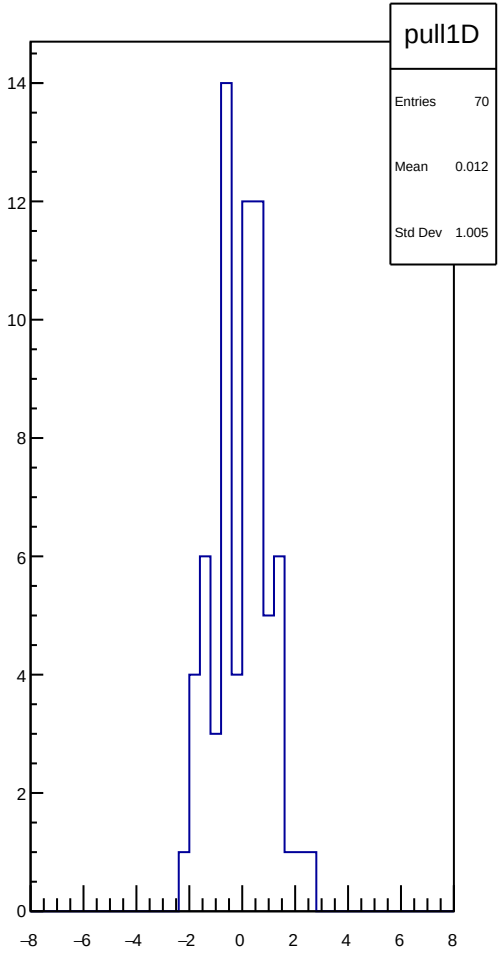

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.33 / 69
p0 −0.01839 ± 0.0606
pull
Entries 70
Mean 272.6
Std Dev 0
pull1D
Entries 70
Mean 0.007306
Std Dev 1.065

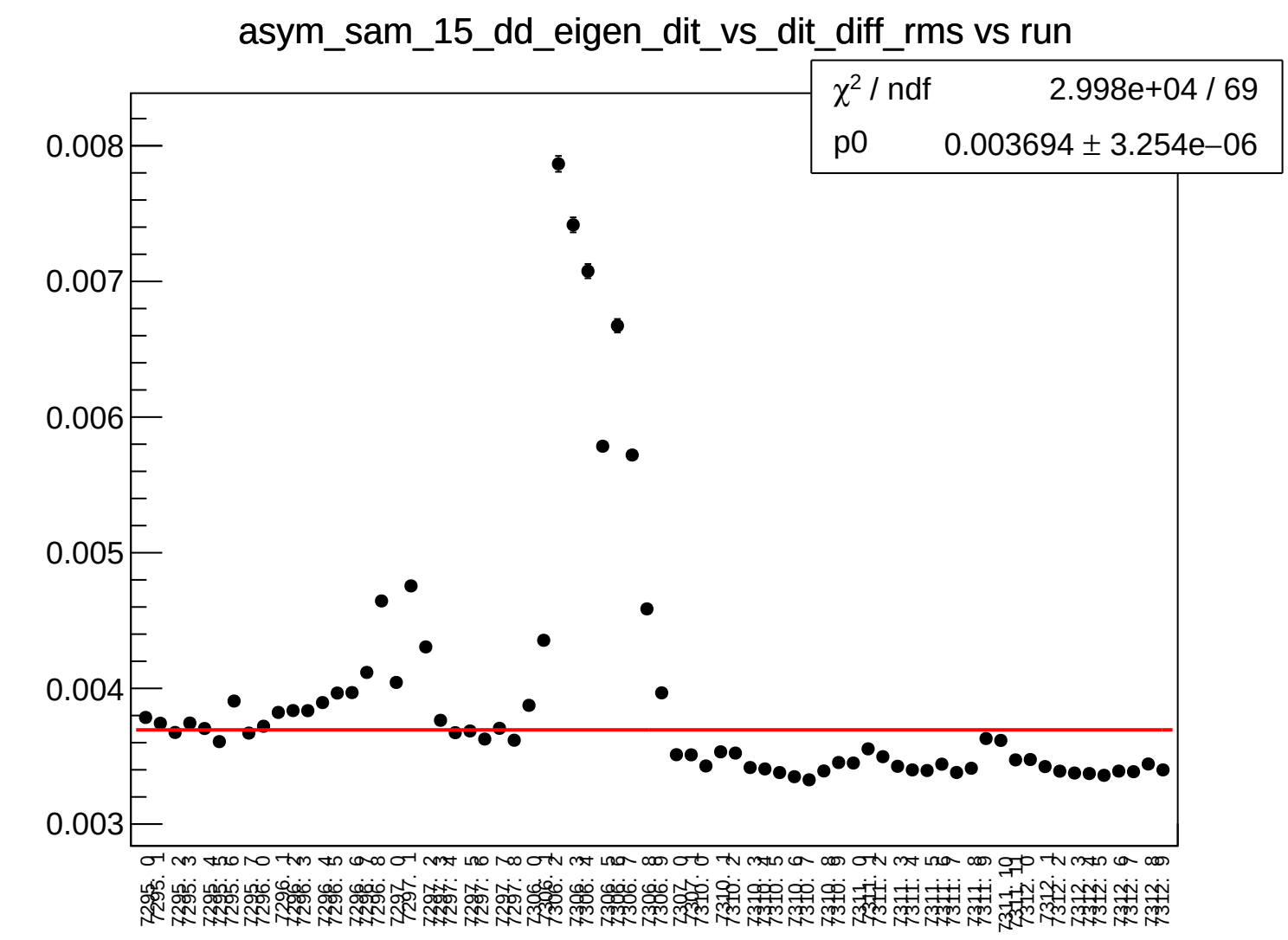

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.676e+04 / 69
p0 48.71 ± 0.04285
100
90
80
70
60
50
40

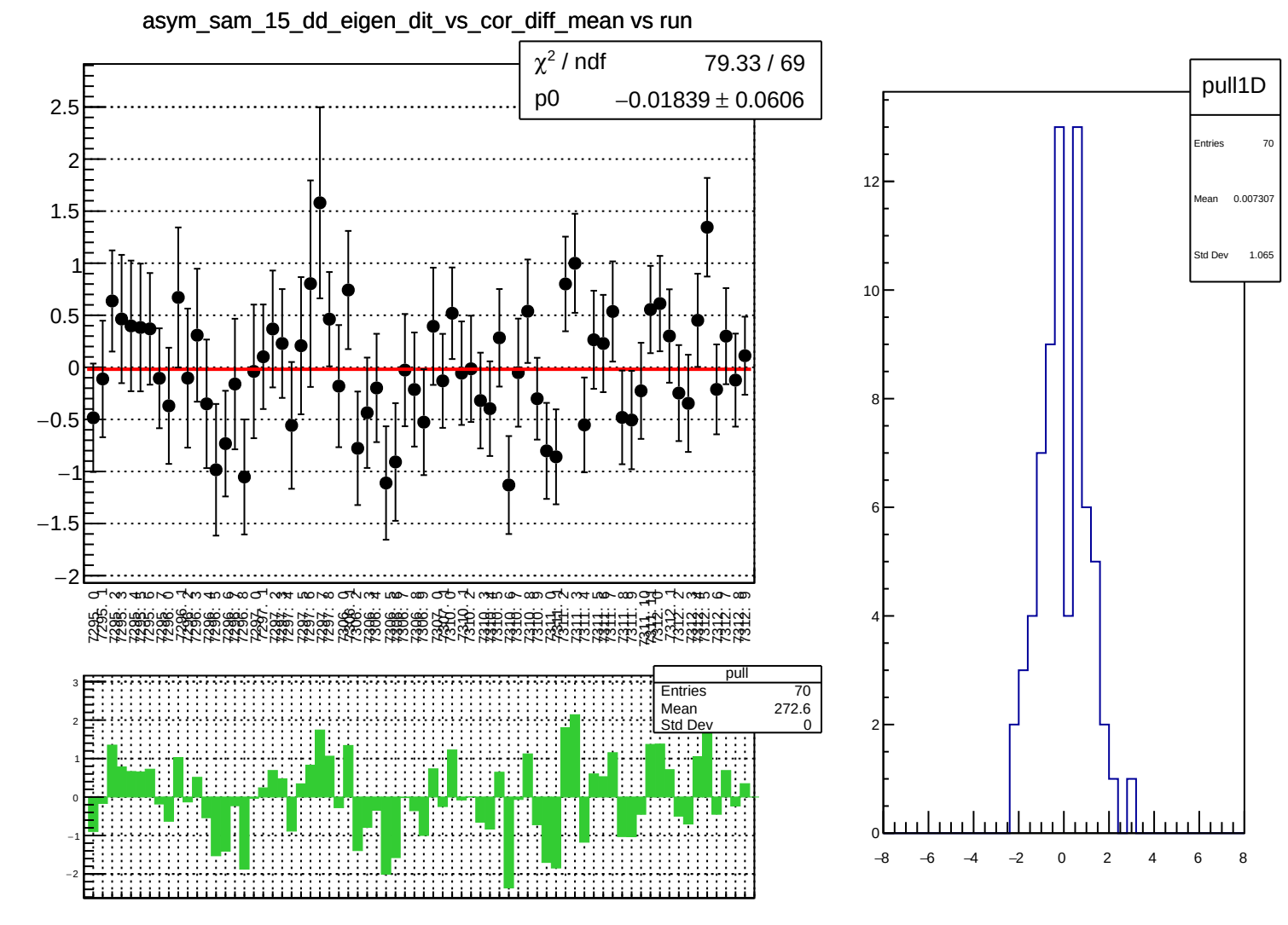

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.33 / 69
p0 −0.01839 ± 0.0606
pull
Entries 70
Mean 272.6
Std Dev 0
pull1D
Entries 70
Mean 0.007306
Std Dev 1.065

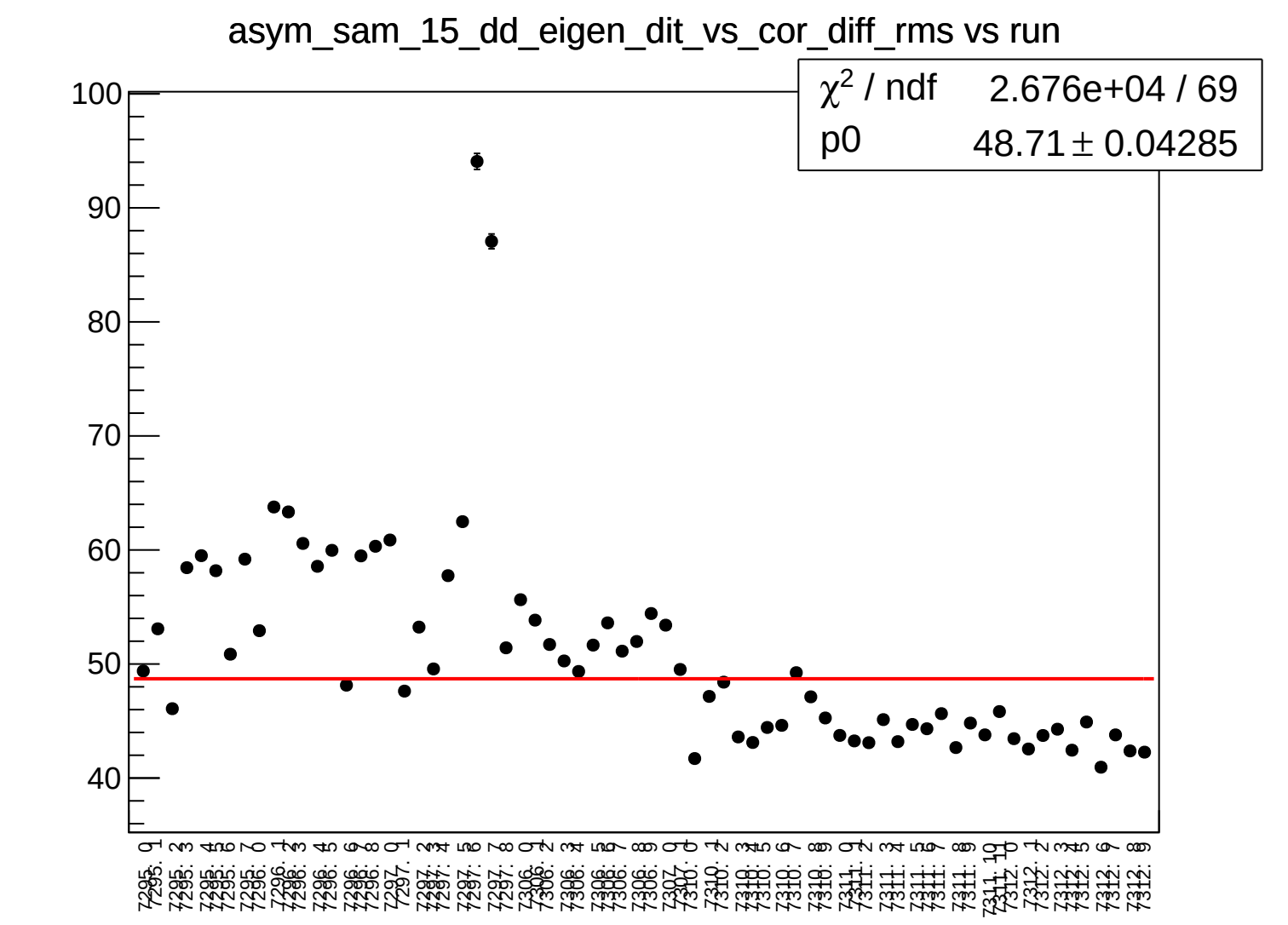

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.676e+04 / 69
p0 48.71 ± 0.04285
100
90
80
70
60
50
40

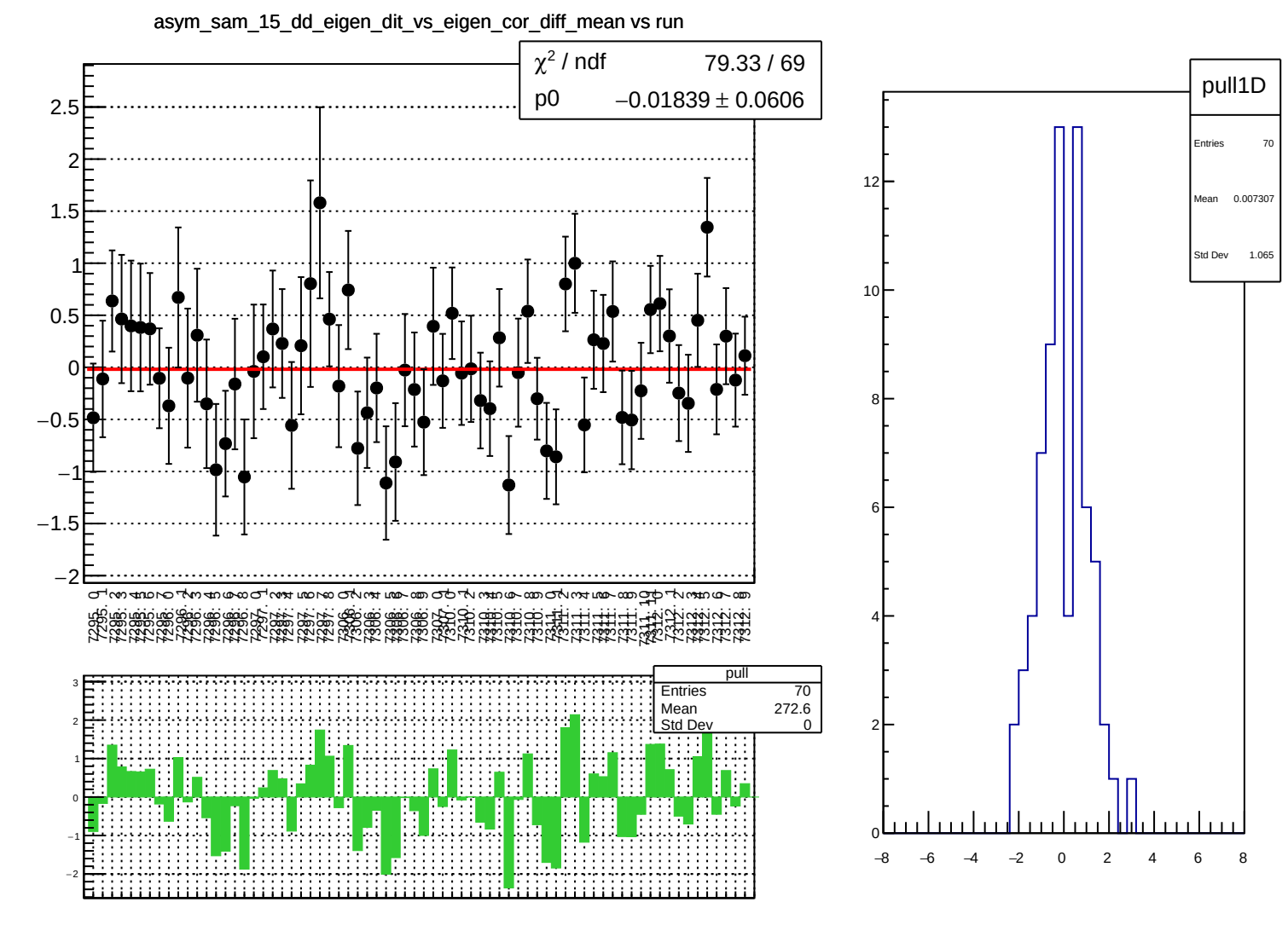

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10^-3
χ² / ndf 70.77 / 69
p0 −3.175e−06 ± 4.602e−06
pull
Entries 70
Mean −30.72
Std Dev 0

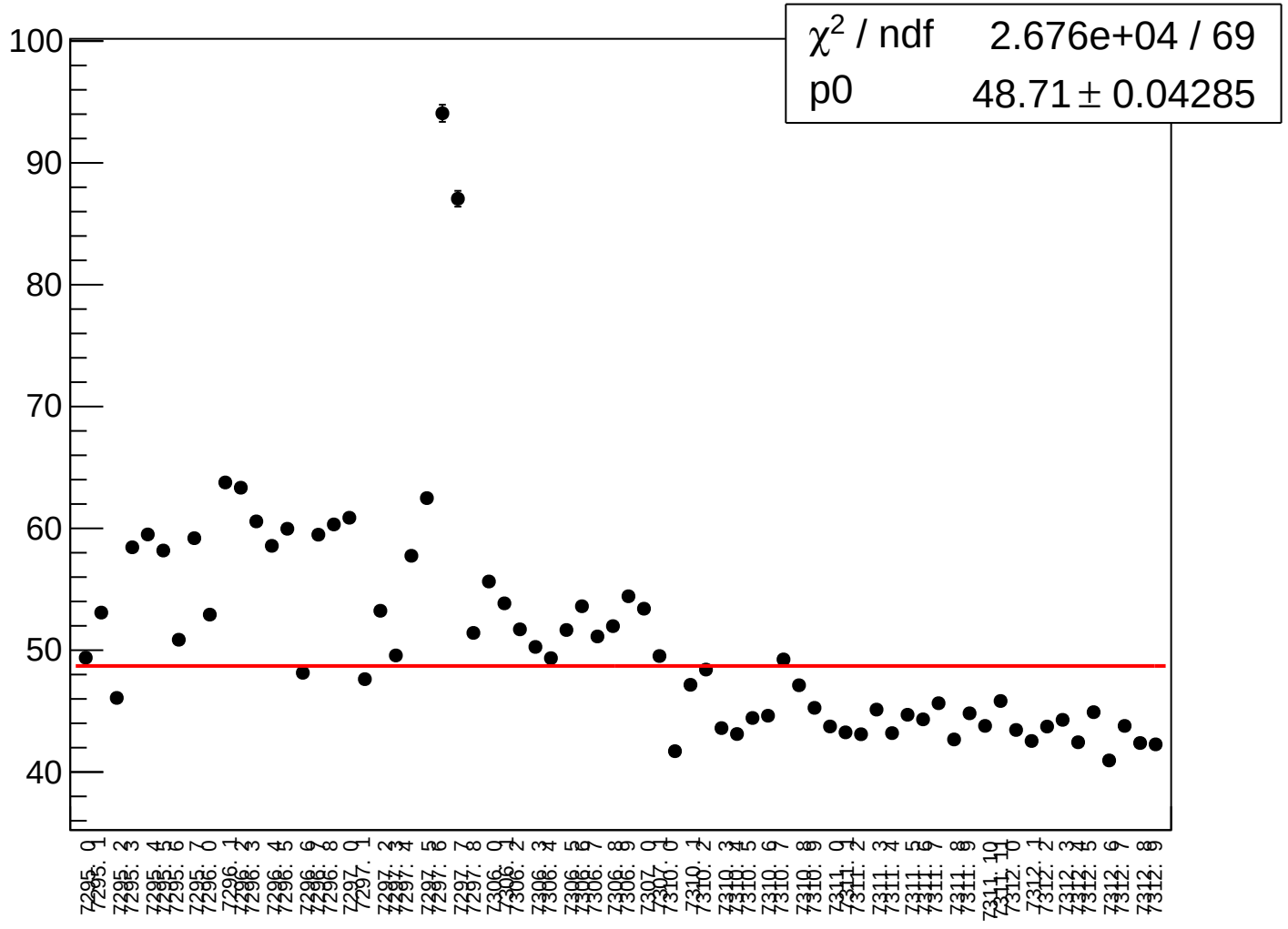

pull1D
Entries 70
Mean 0.012
Std Dev 1.005

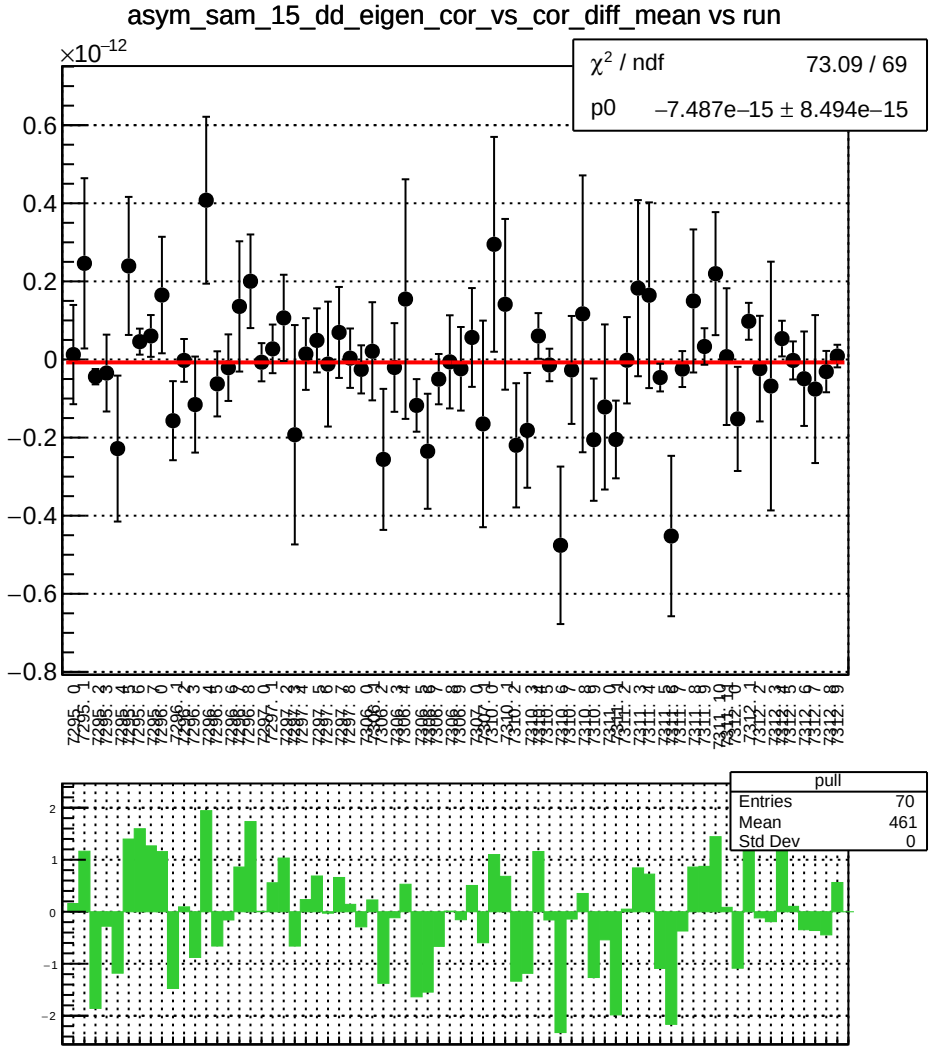

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.998e+04 / 69
p0 0.003694 ± 3.254e−06
0.008
0.007
0.006
0.005
0.004
0.003

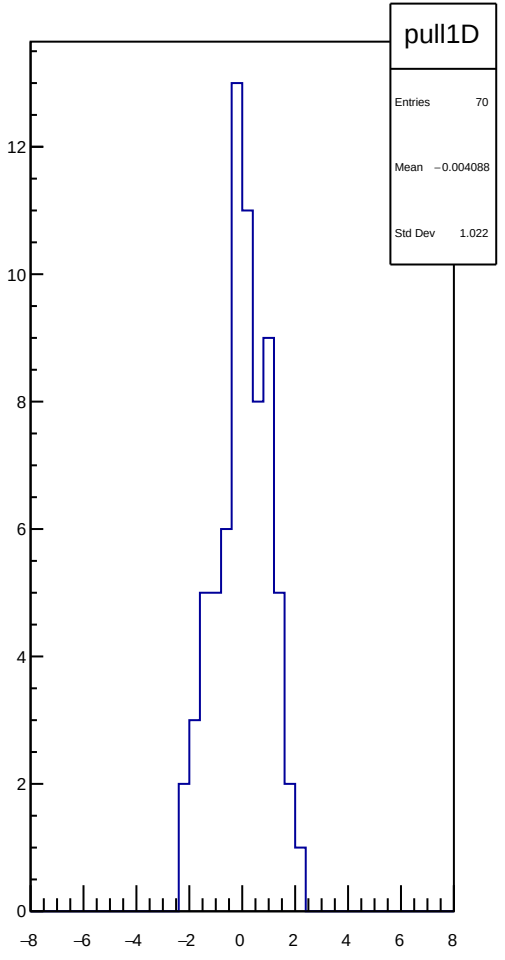

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.33 / 69
p0 −0.01839 ± 0.0606
pull
Entries 70
Mean 272.6
Std Dev 0
pull1D
Entries 70
Mean 0.007307
Std Dev 1.065

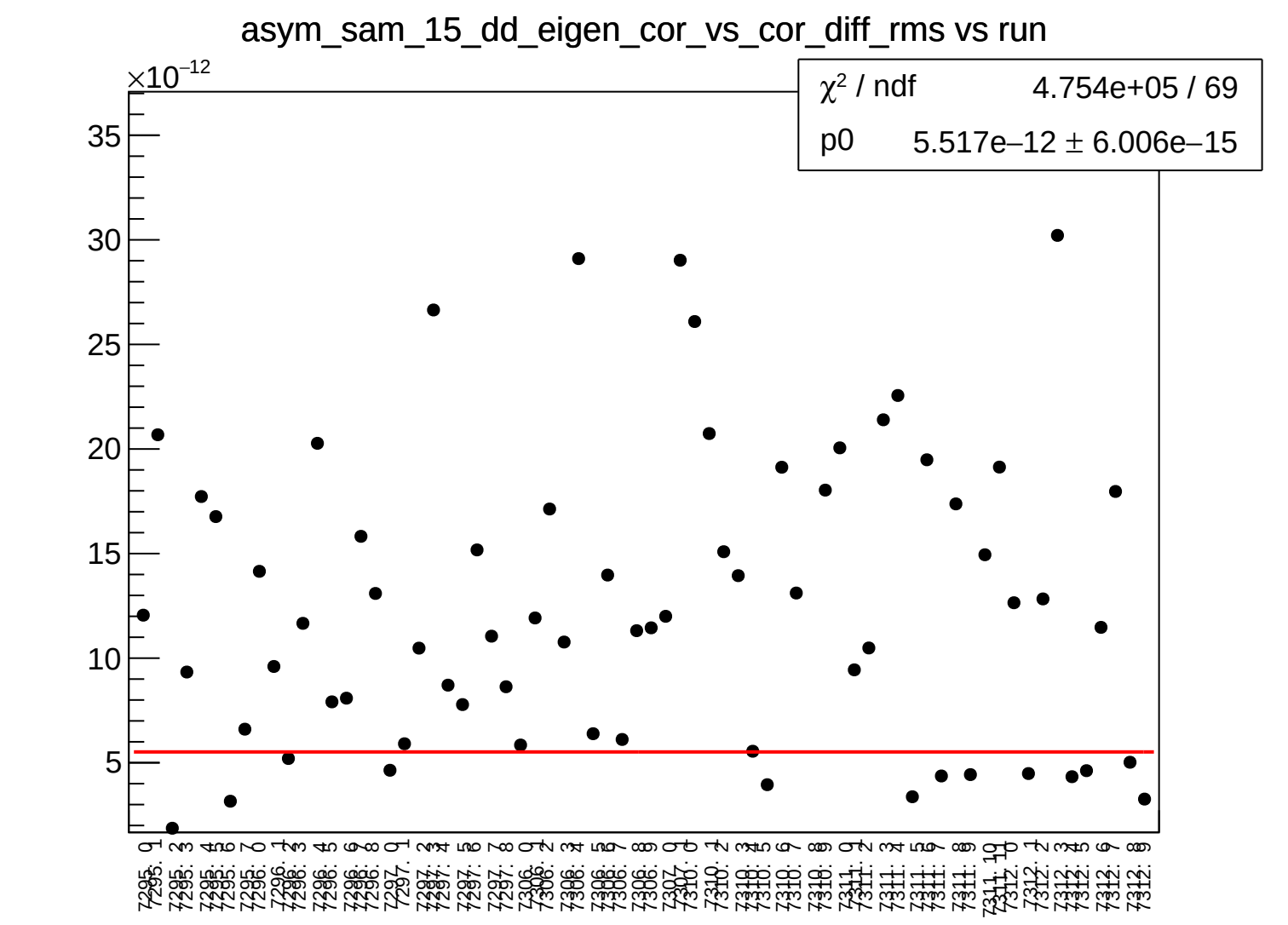

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.676e+04 / 69
p0 48.71 ± 0.04285
100
90
80
70
60
50
40

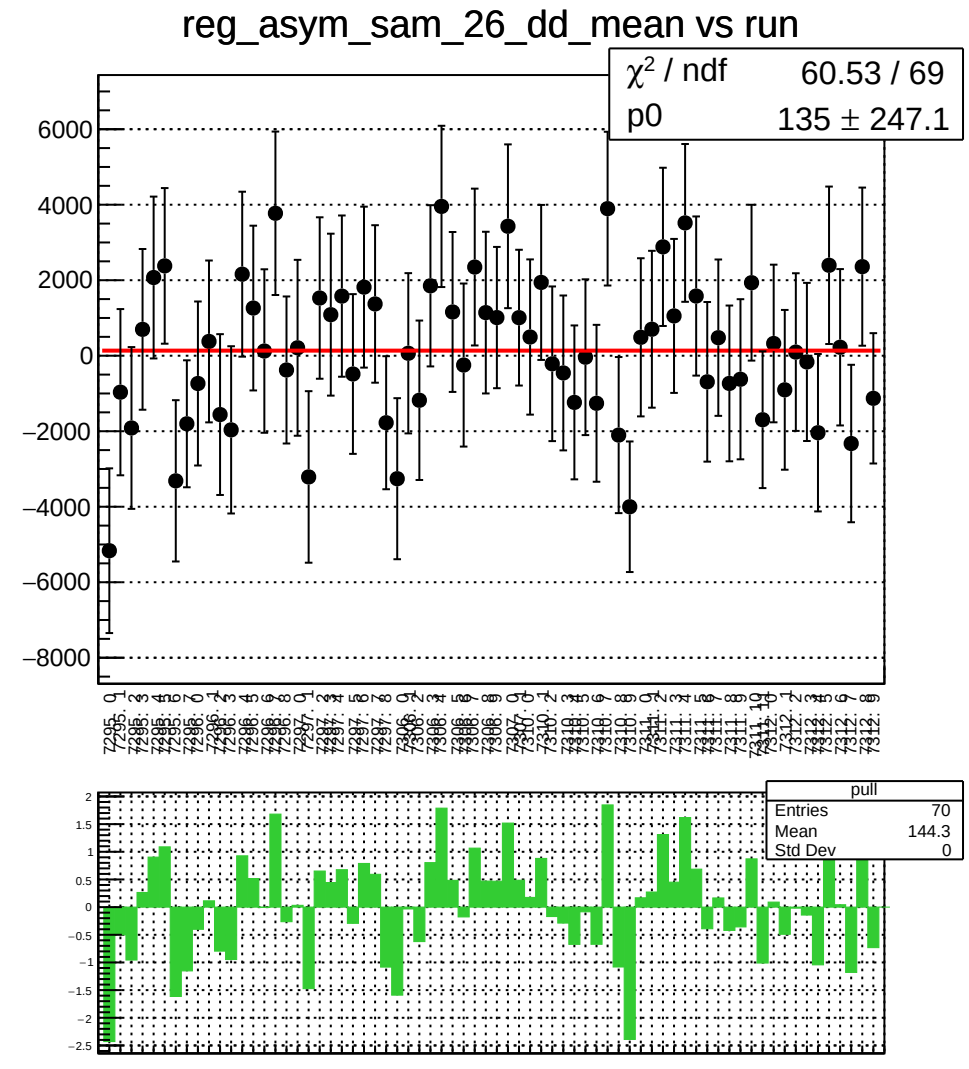

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.33 / 69
p0 −0.01839 ± 0.0606
pull
Entries 70
Mean 272.6
Std Dev 0
pull1D
Entries 70
Mean 0.007307
Std Dev 1.065

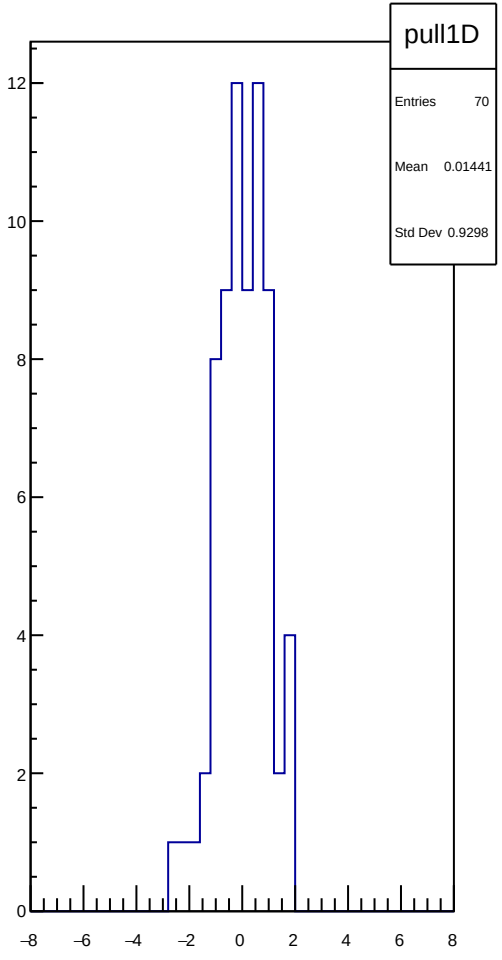

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.676e+04 / 69
p0 48.71 ± 0.04285
100
90
80
70
60
50
40

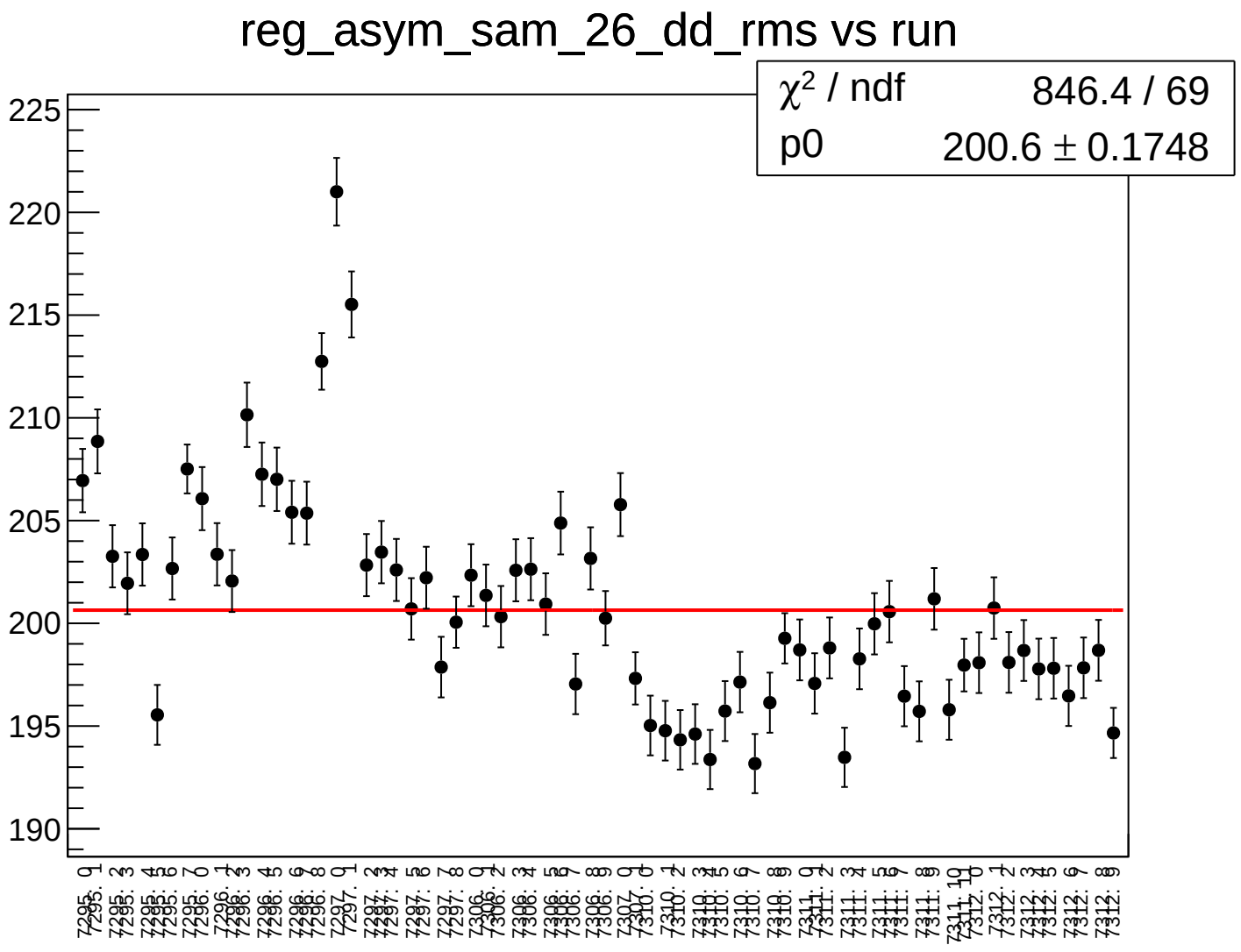

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.09 / 69
p0 −7.487e−15 ± 8.494e−15
pull
Entries 70
Mean 461
Std Dev 0

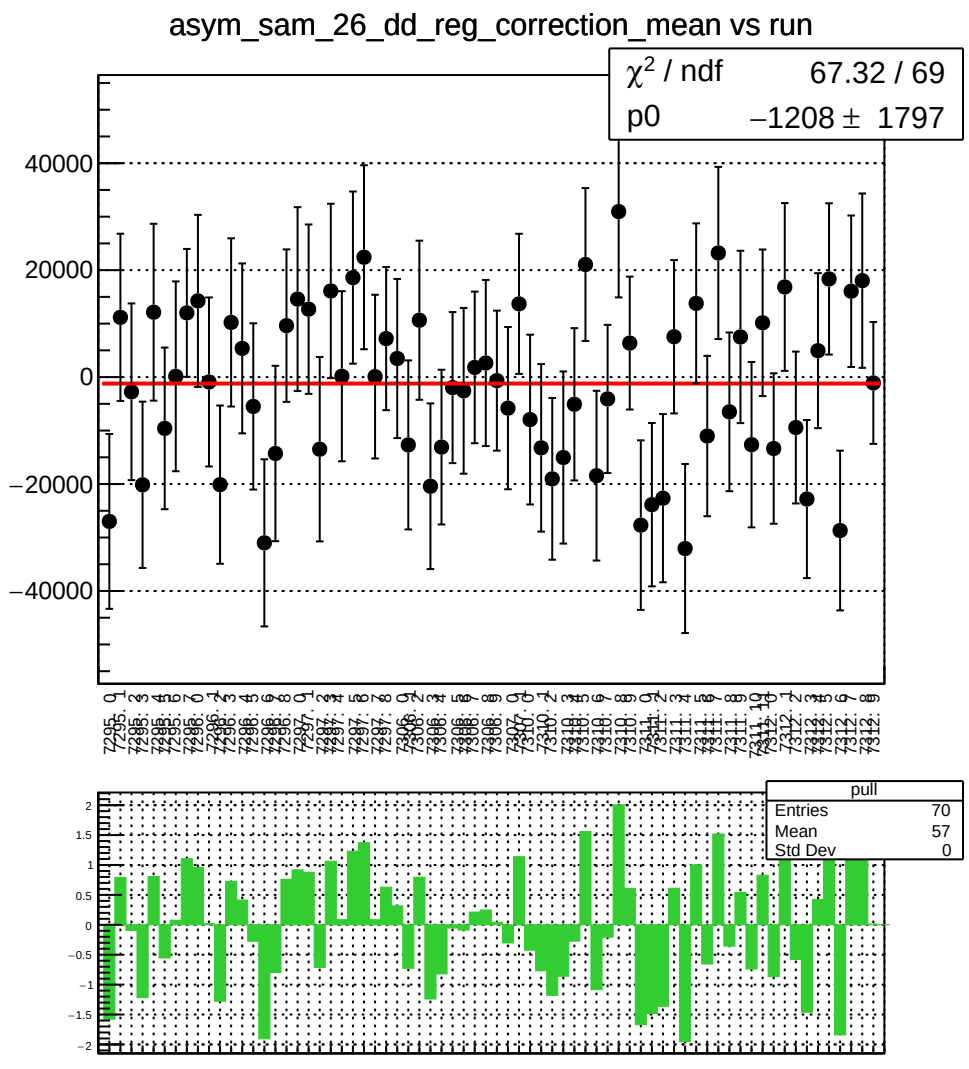

pull1D
Entries 70
Mean −0.004088
Std Dev 1.022

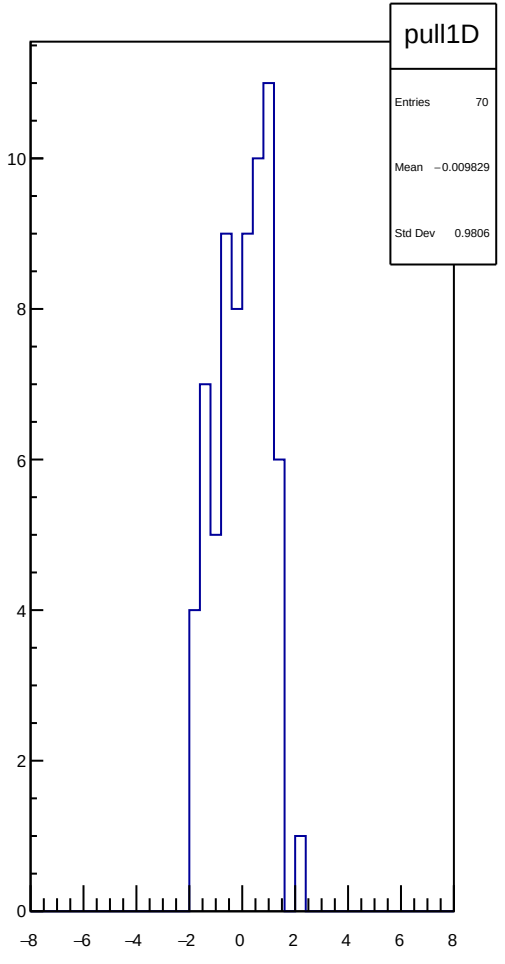

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.754e+05 / 69
p0 5.517e−12 ± 6.006e−15
35
30
25
20
15
10
5

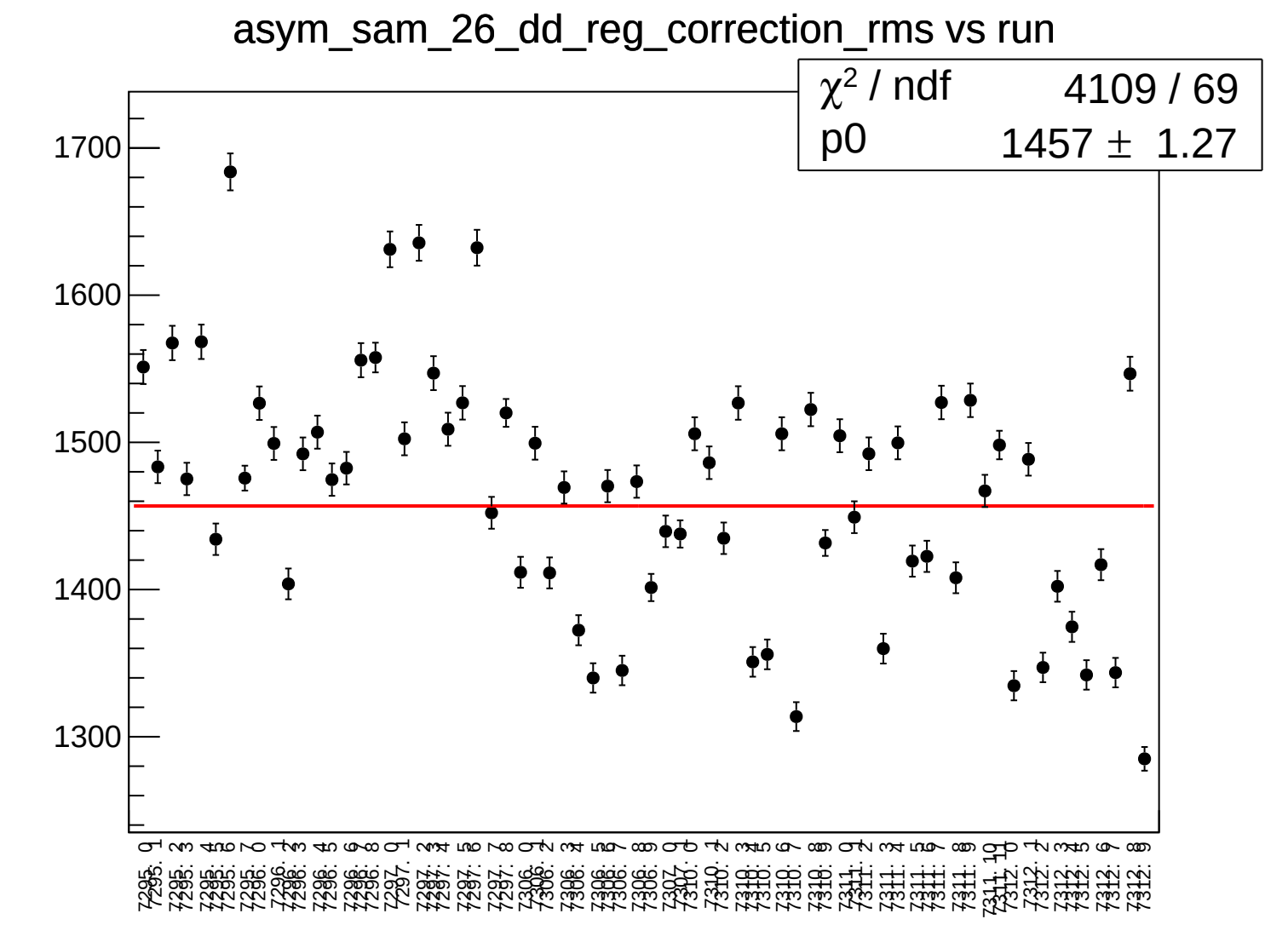

reg_asym_sam_26_dd_mean vs run
χ² / ndf 60.53 / 69
p0 135 ± 247.1
pull
Entries 70
Mean 144.3
Std Dev 0

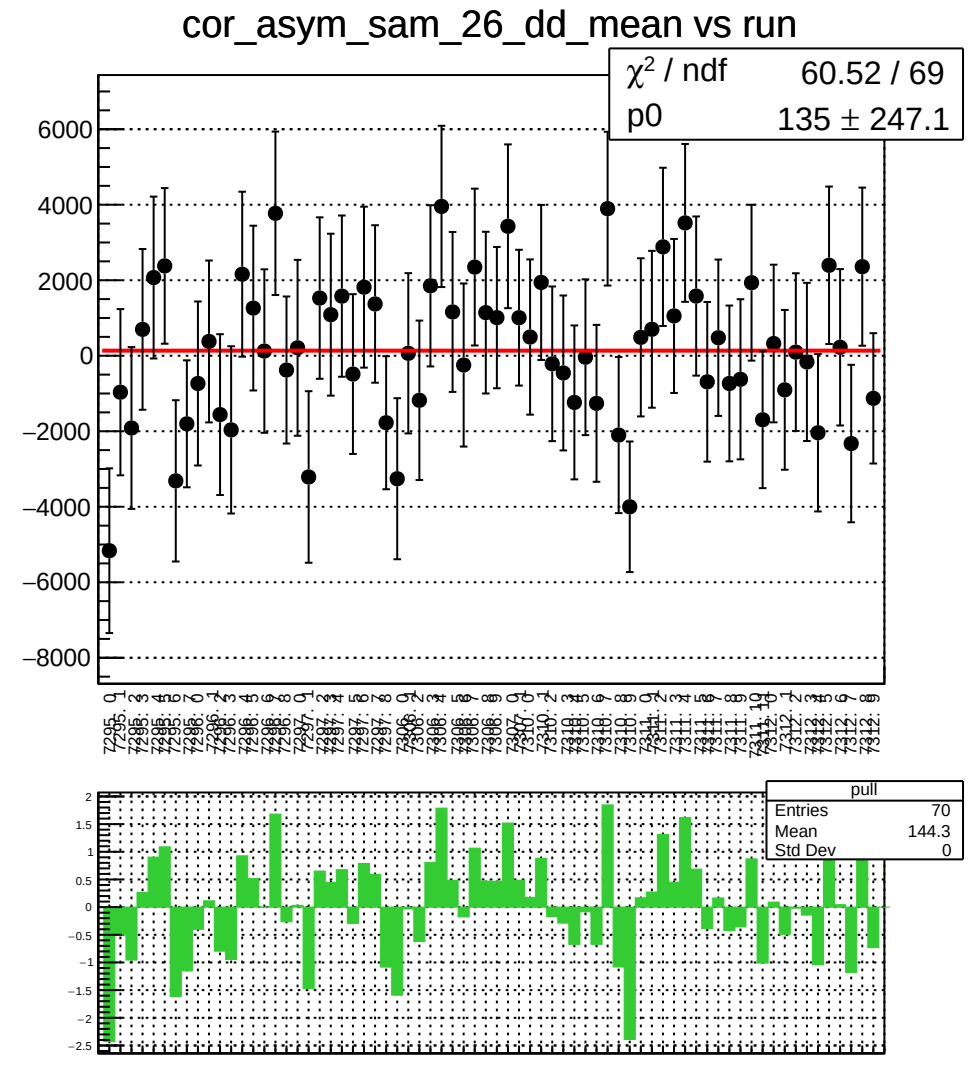

pull1D
Entries 70
Mean 0.01441
Std Dev 0.9298

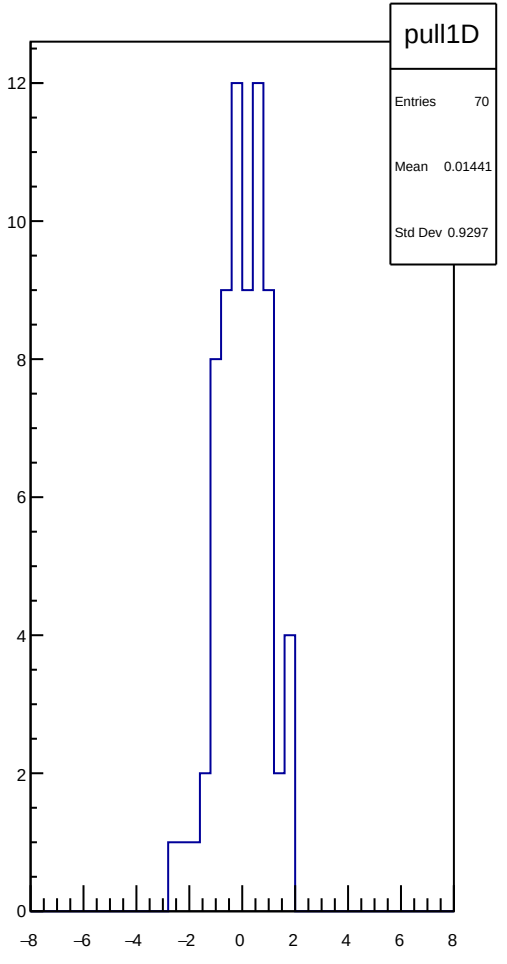

reg_asym_sam_26_dd_rms vs run
χ² / ndf 846.4 / 69
p0 200.6 ± 0.1748
225
220
215
210
205
200
195
190

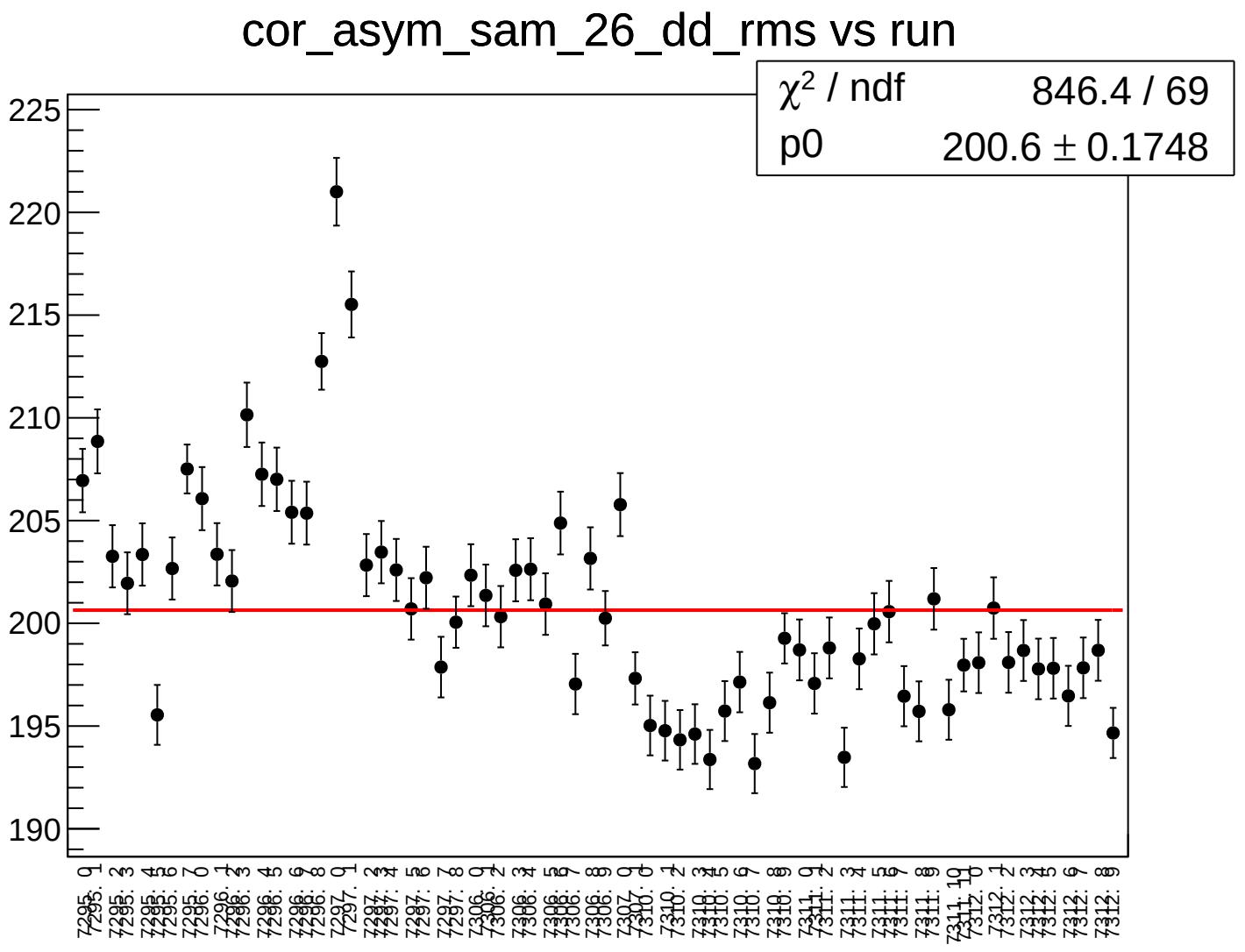

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 67.32 / 69
p0 −1208 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

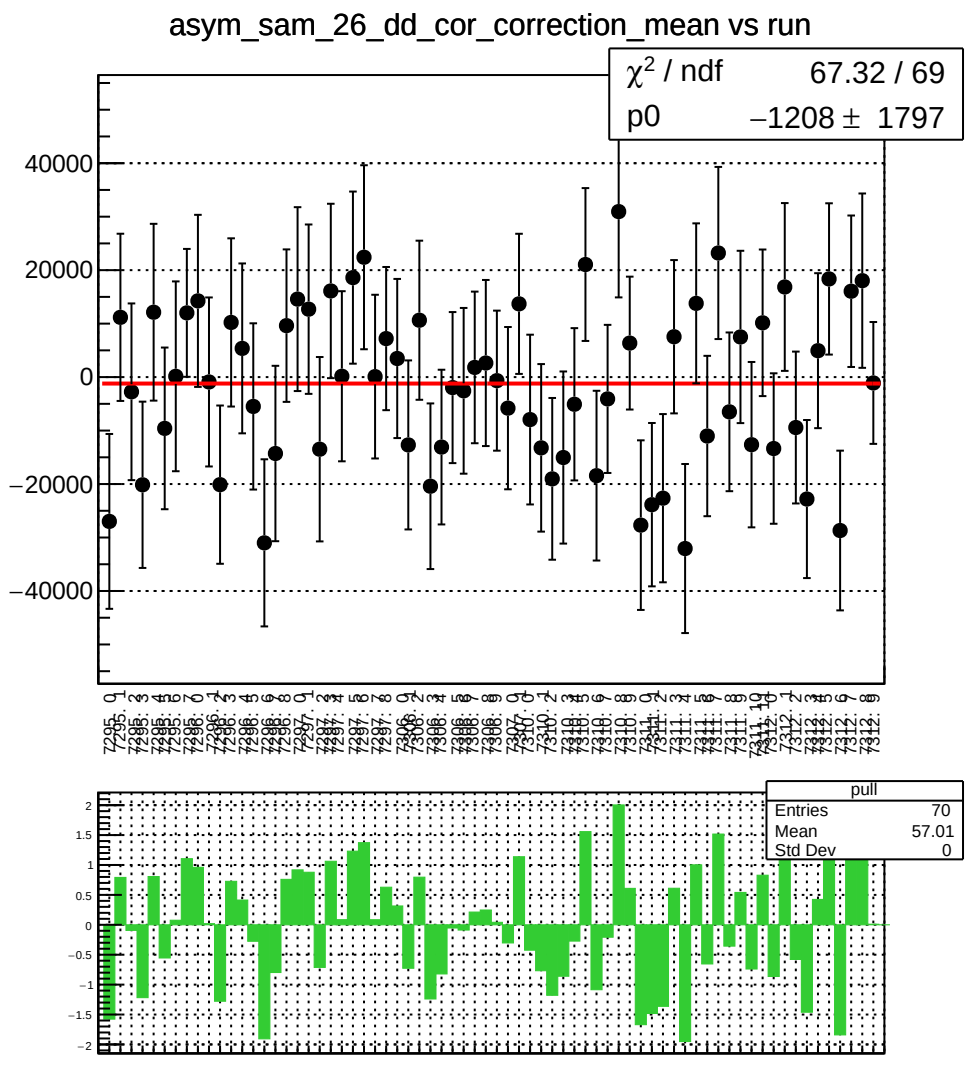

pull1D
Entries 70
Mean −0.009829
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

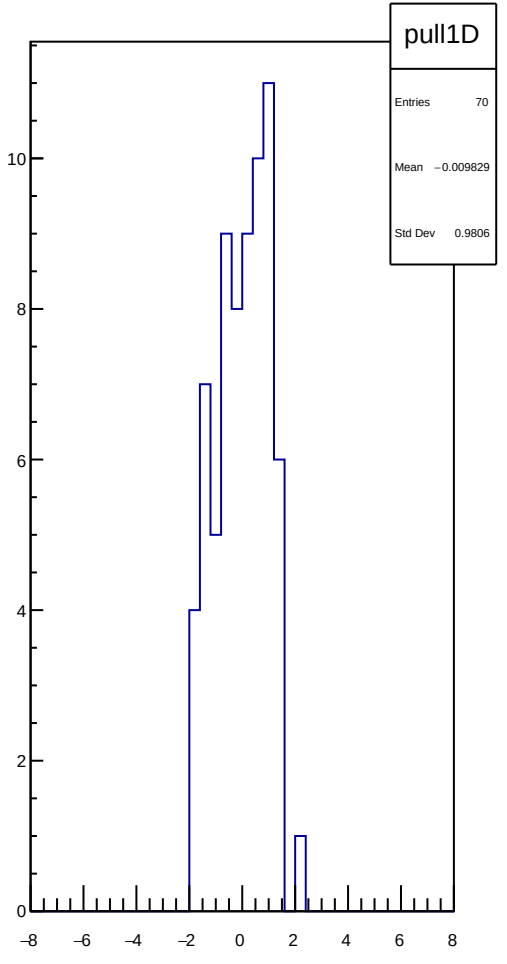

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 4109 / 69
p0 1457 ± 1.27
1700
1600
1500
1400
1300

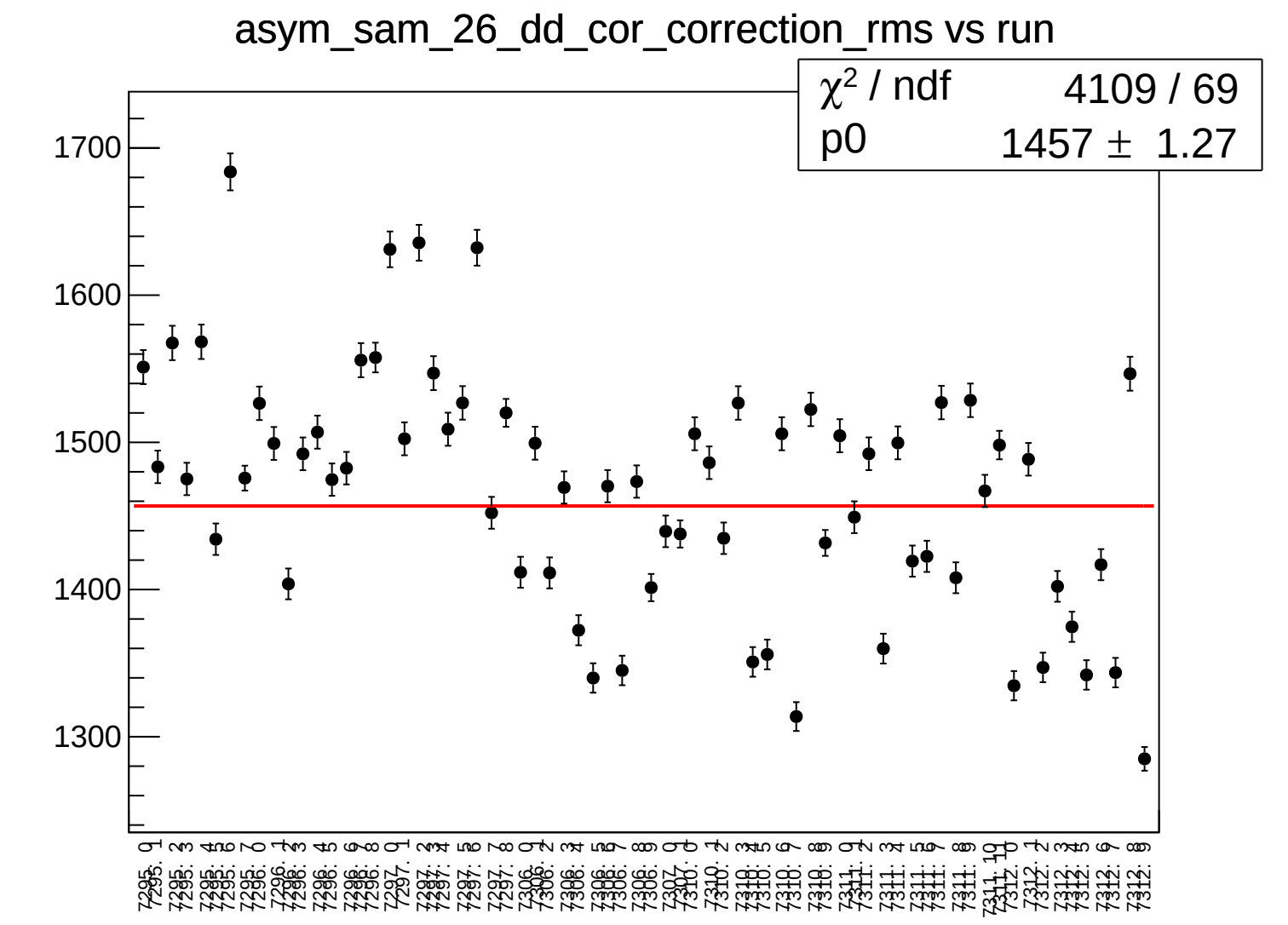

cor_asym_sam_26_dd_mean vs run
χ² / ndf 60.52 / 69
p0 135 ± 247.1
pull
Entries 70
Mean 144.3
Std Dev 0

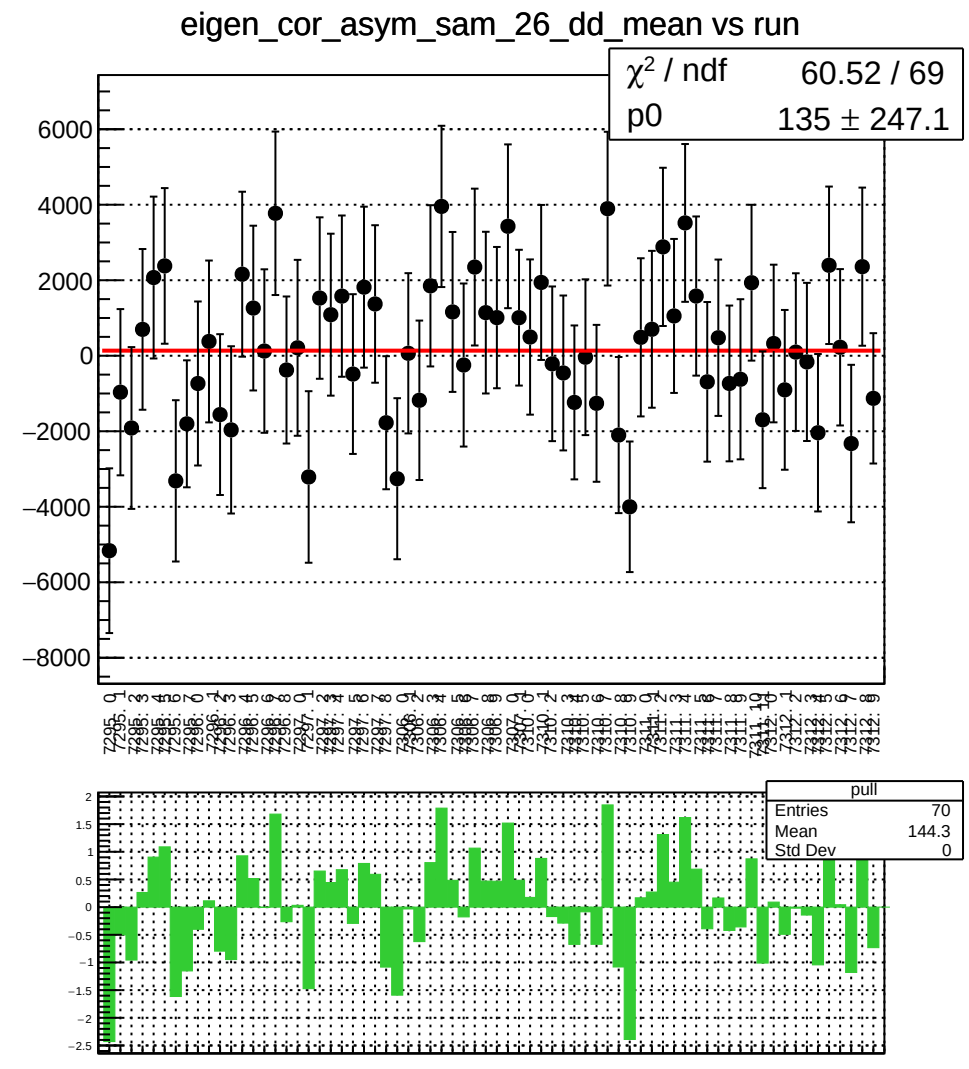

pull1D
Entries 70
Mean 0.01441
Std Dev 0.9297

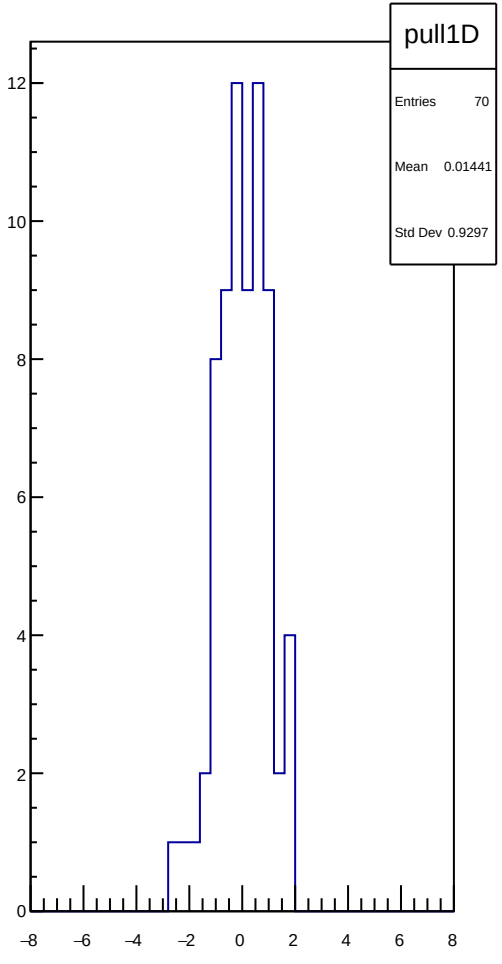

cor_asym_sam_26_dd_rms vs run
χ² / ndf 846.4 / 69
p0 200.6 ± 0.1748
225
220
215
210
205
200
195
190

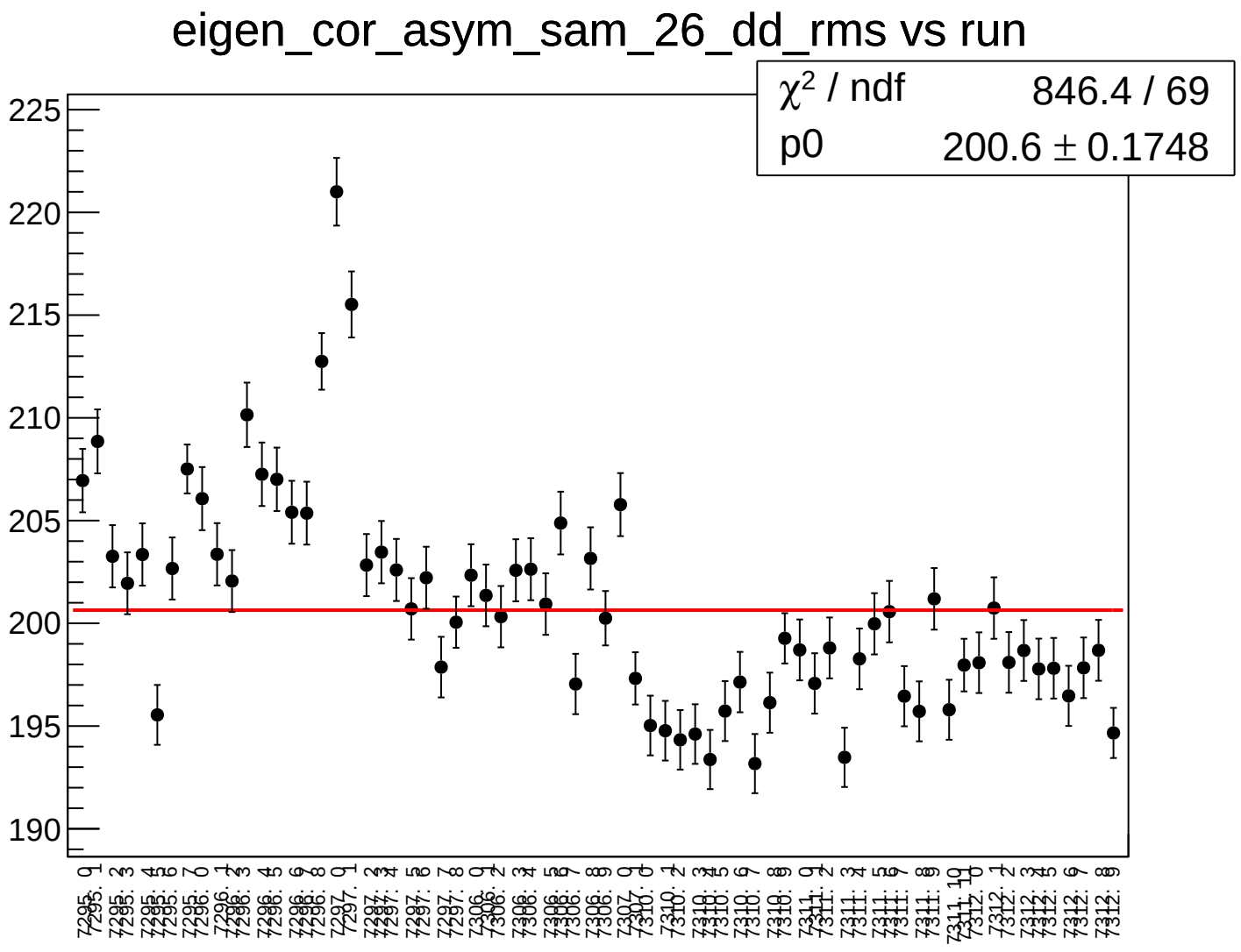

asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 67.32 / 69
p0 −1208 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 57.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

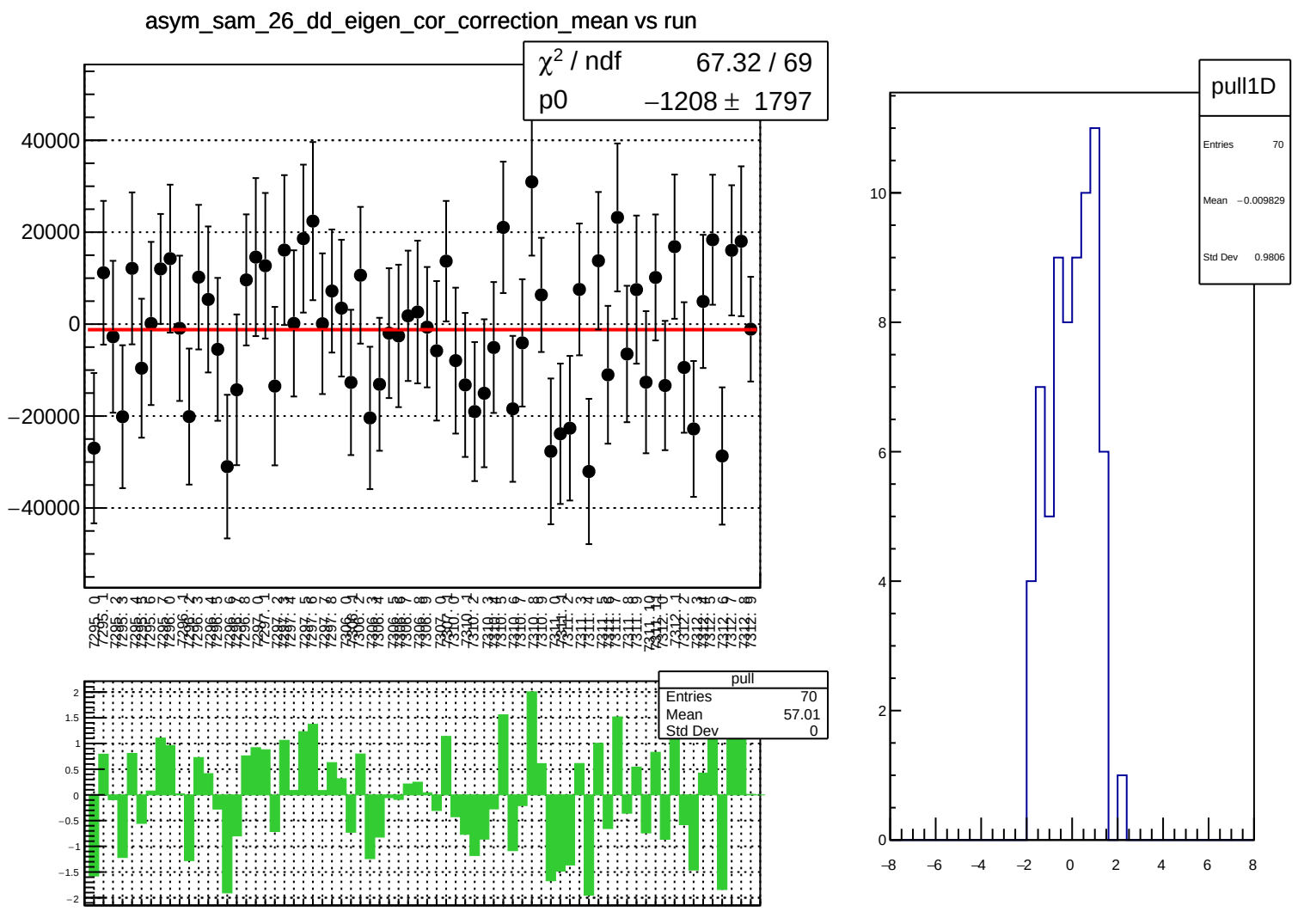

pull1D
Entries 70
Mean −0.009829
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

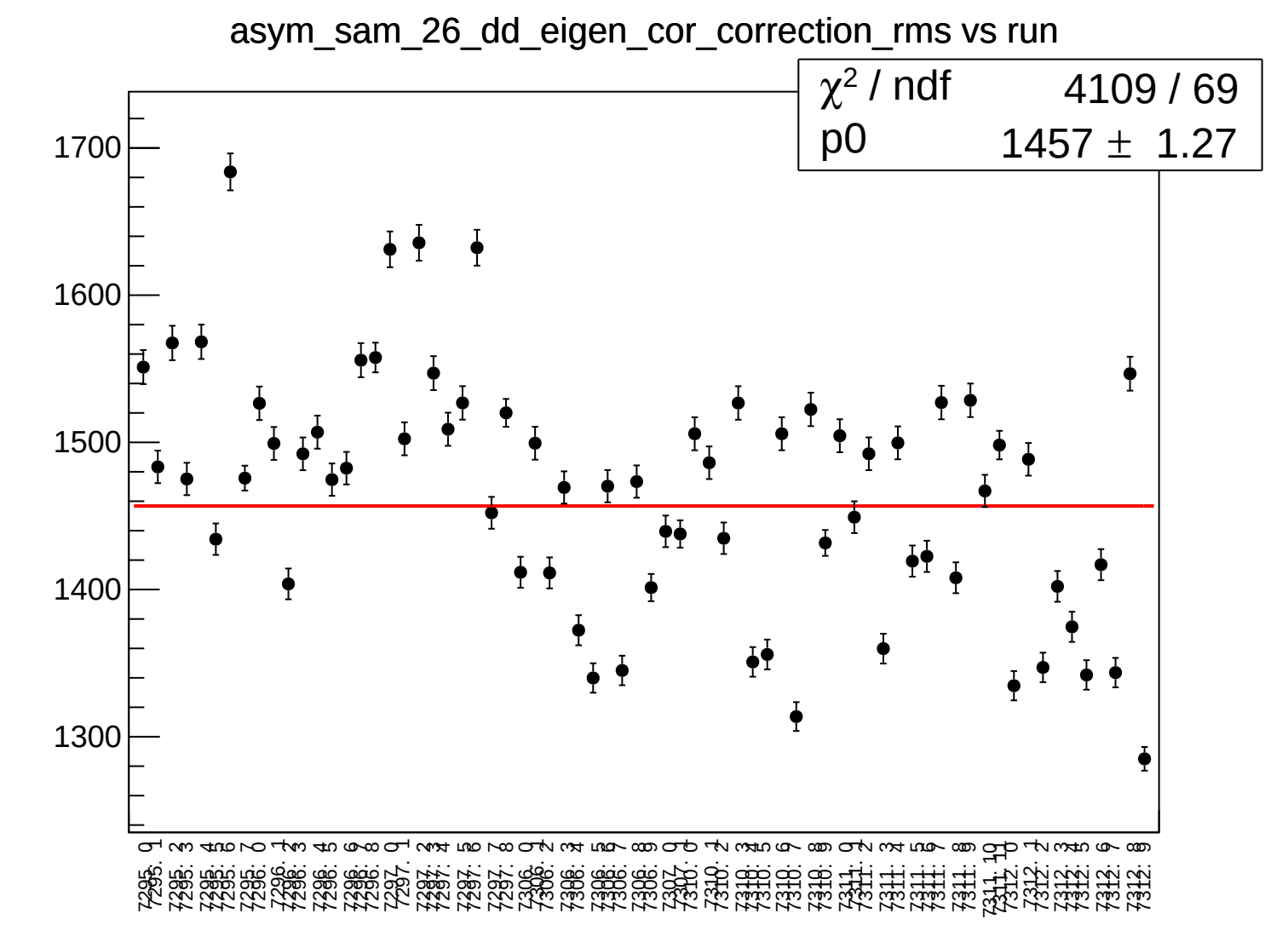

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 4109 / 69
p0 1457 ± 1.27
1700
1600
1500
1400
1300

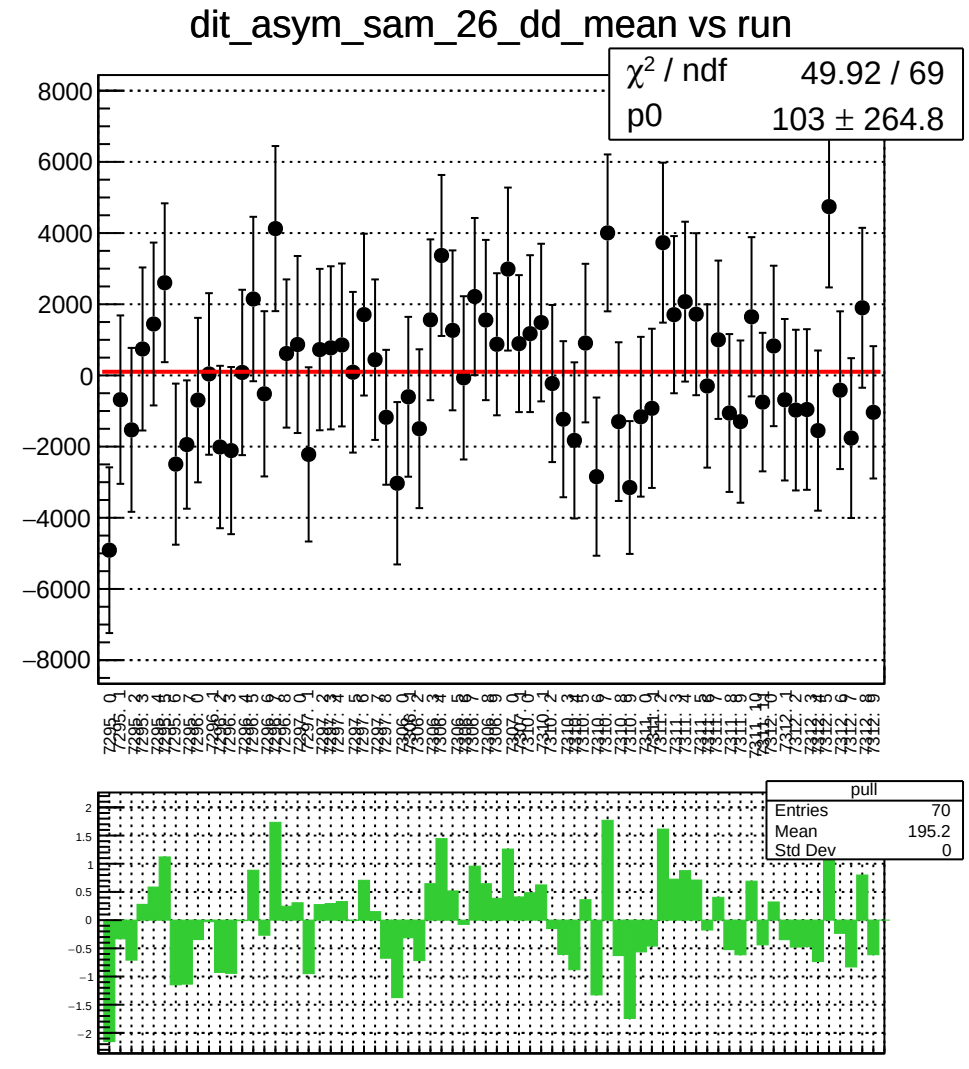

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 60.52 / 69
p0 135 ± 247.1
pull
Entries 70
Mean 144.3
Std Dev 0

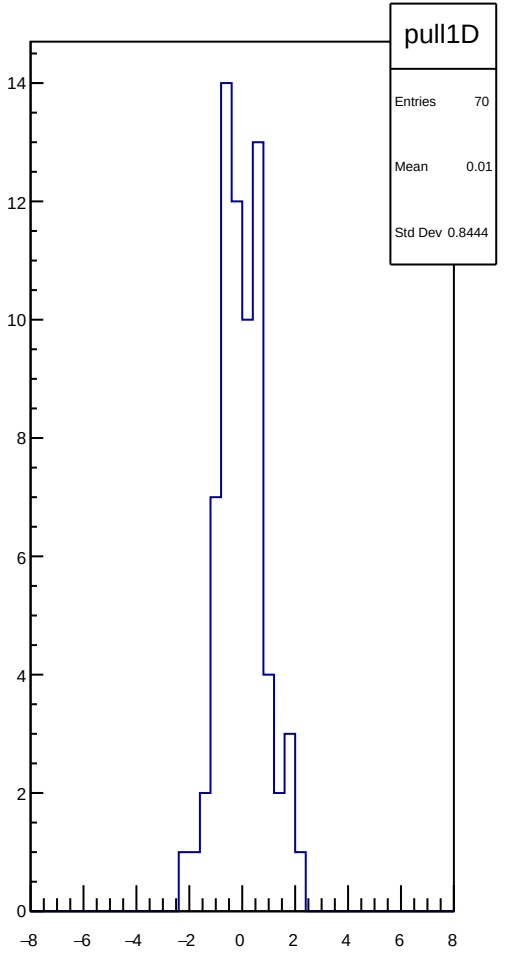

pull1D
Entries 70
Mean 0.01441
Std Dev 0.9297

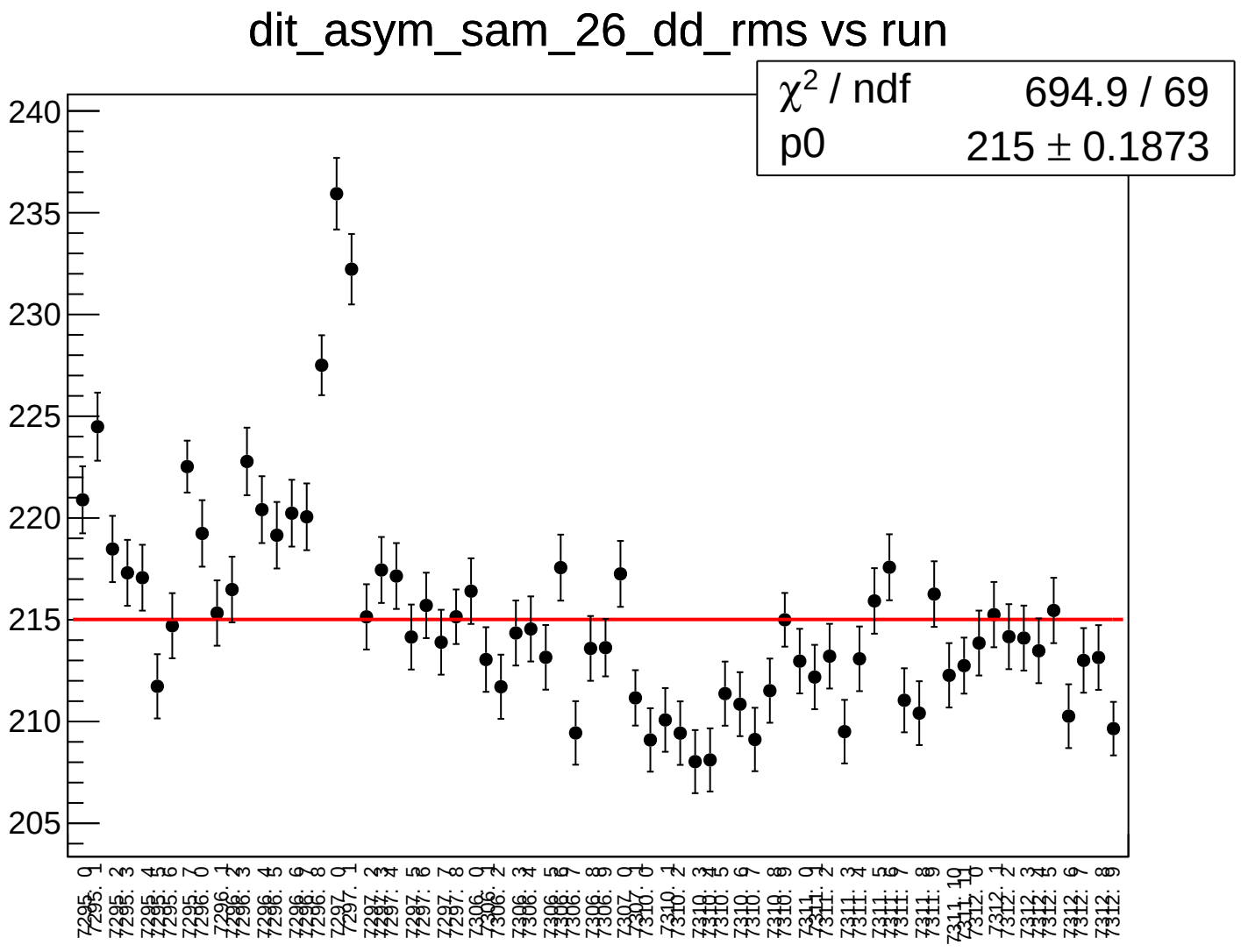

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 846.4 / 69
p0 200.6 ± 0.1748
225
220
215
210
205
200
195
190

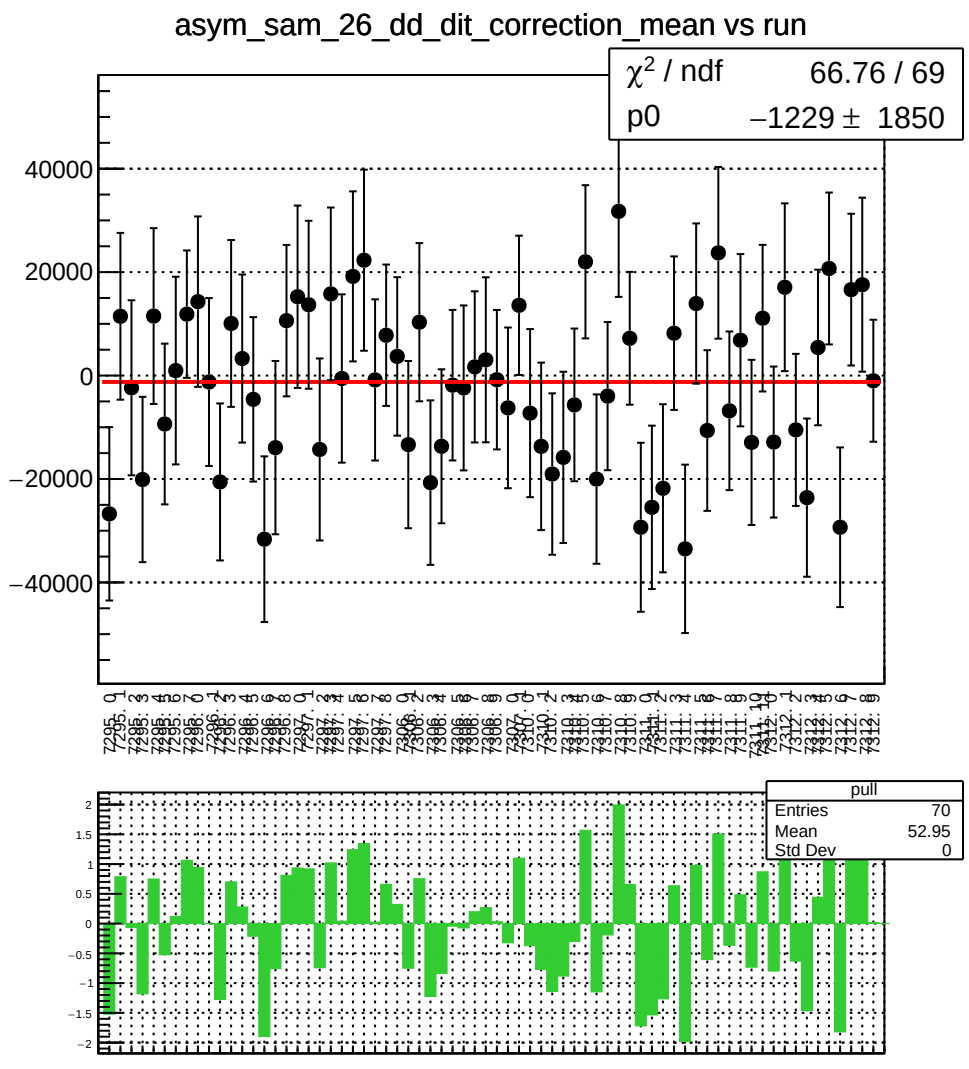

asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.32 / 69
p0 −1208 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 57.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 70
Mean −0.009829
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

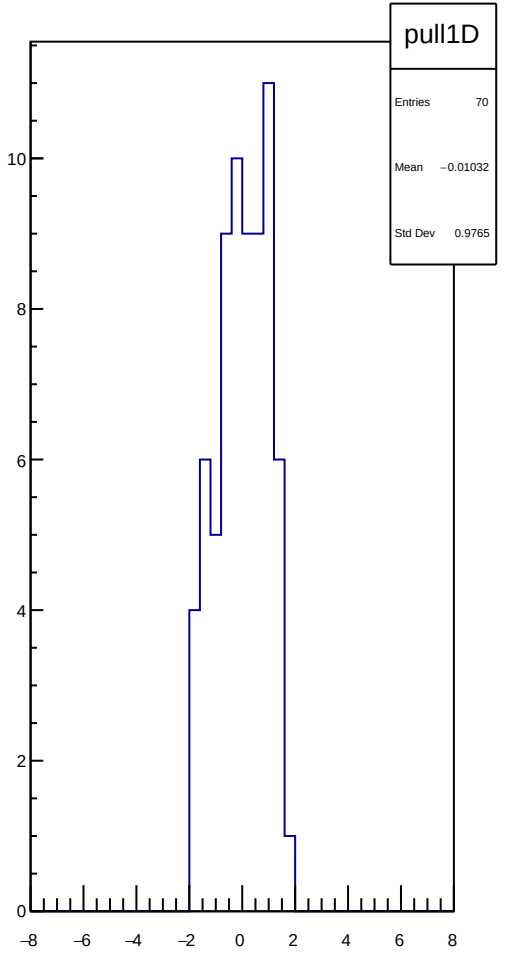

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4109 / 69
p0 1457 ± 1.27
1700
1600
1500
1400
1300

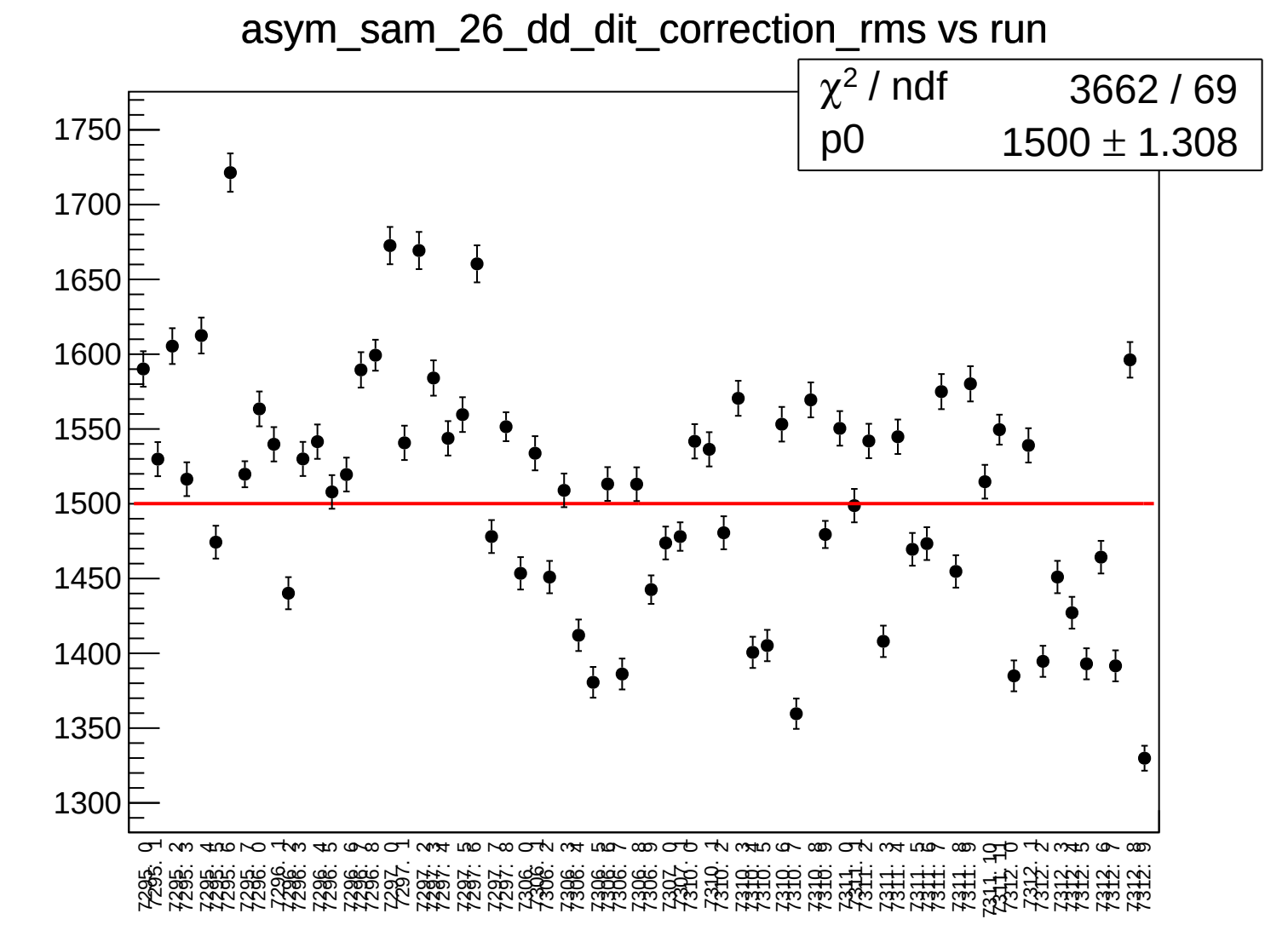

dit_asym_sam_26_dd_mean vs run
χ² / ndf 49.92 / 69
p0 103 ± 264.8
pull
Entries 70
Mean 195.2
Std Dev 0

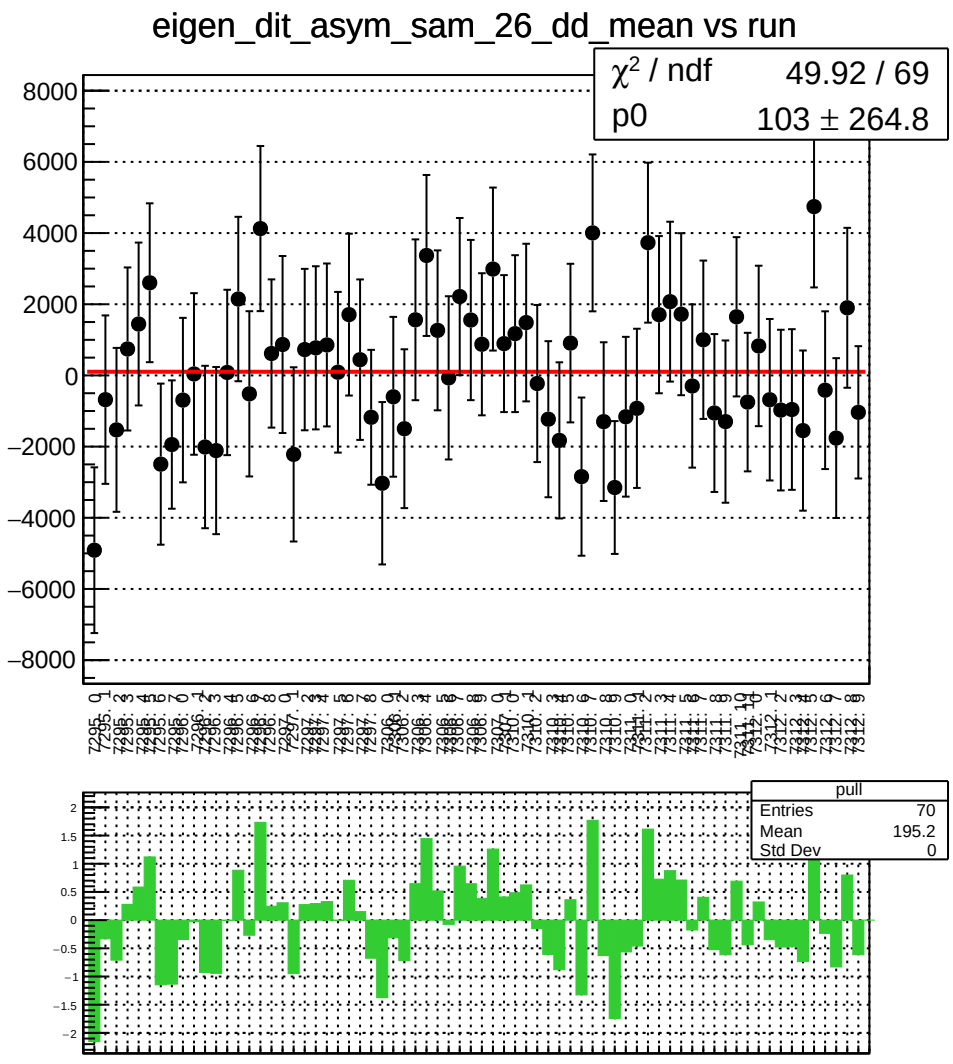

pull1D
Entries 70
Mean 0.01
Std Dev 0.8444

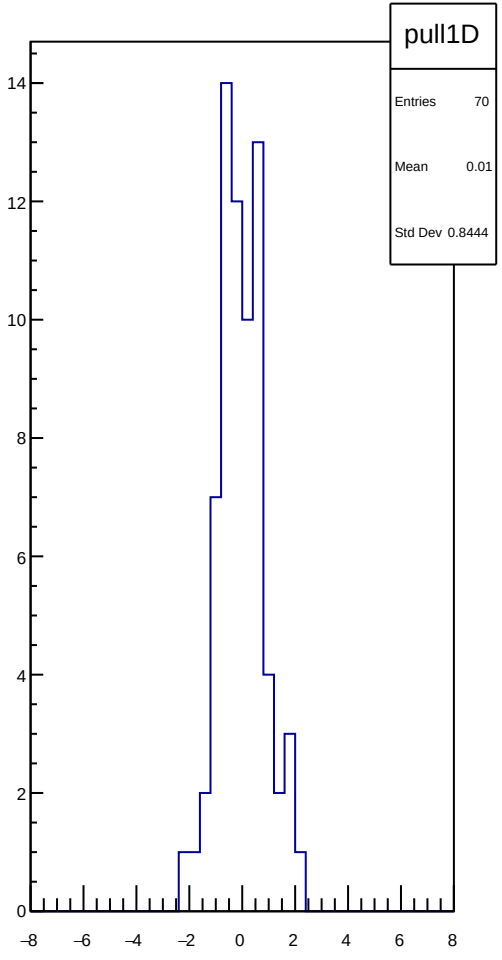

dit_asym_sam_26_dd_rms vs run
χ² / ndf 694.9 / 69
p0 215 ± 0.1873
240
235
230
225
220
215
210
205

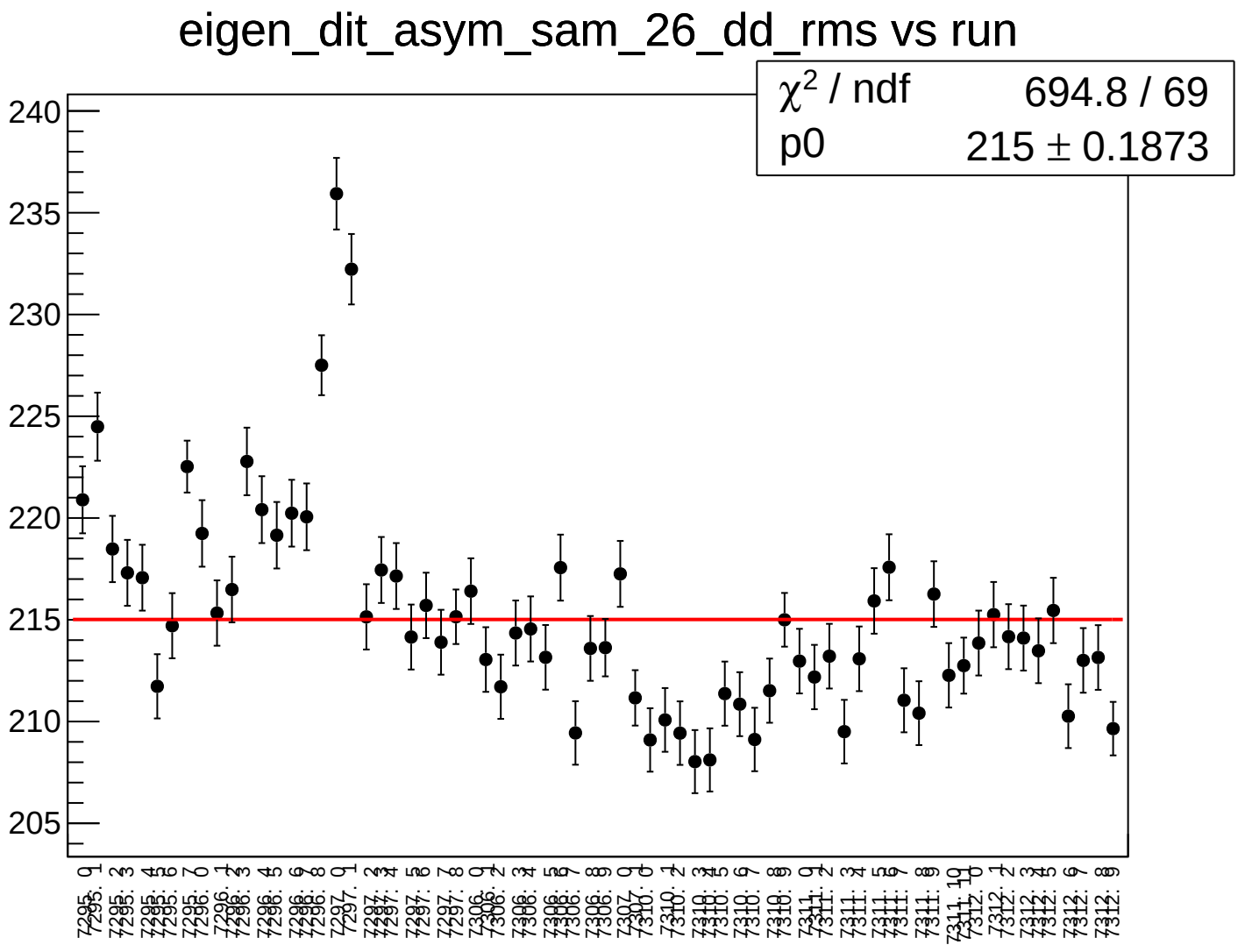

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 66.76 / 69
p0 −1229 ± 1850
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 52.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

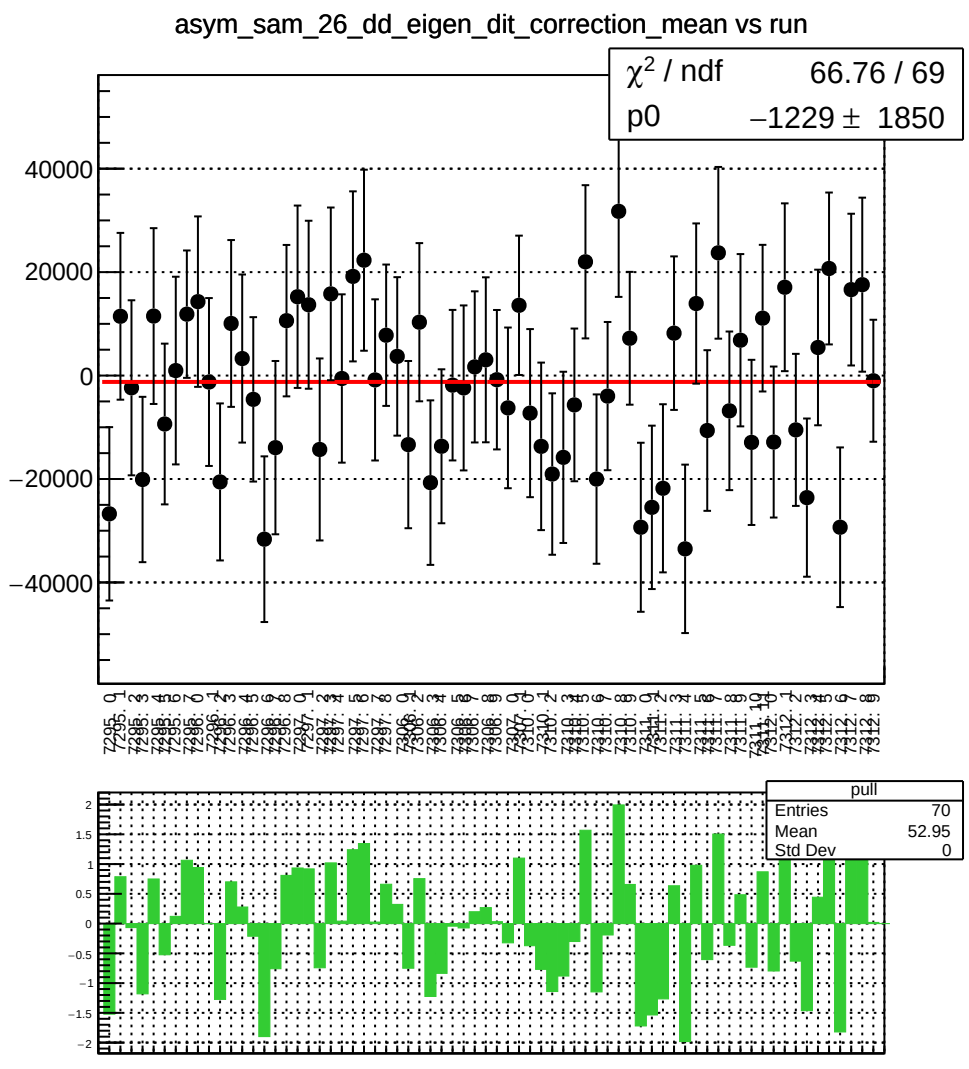

pull1D
Entries 70
Mean −0.01032
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

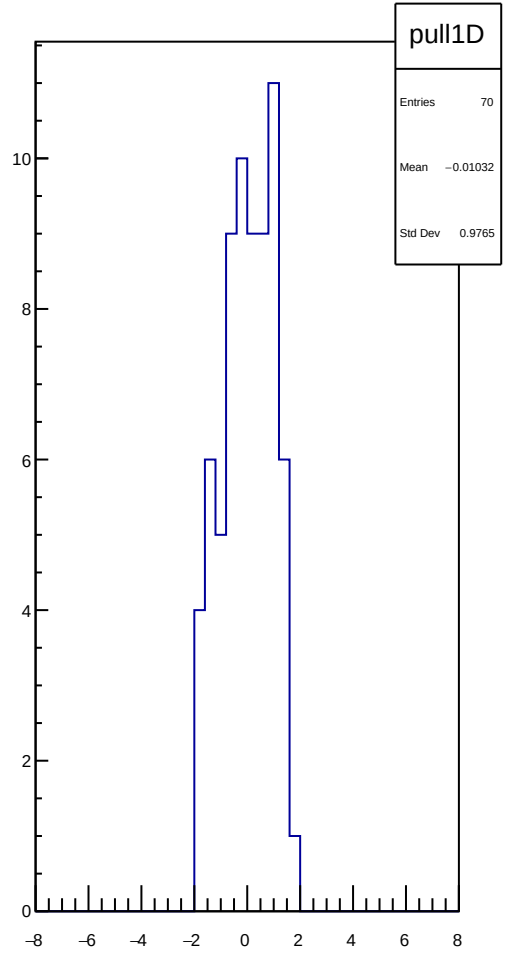

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 3662 / 69
p0 1500 ± 1.308
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

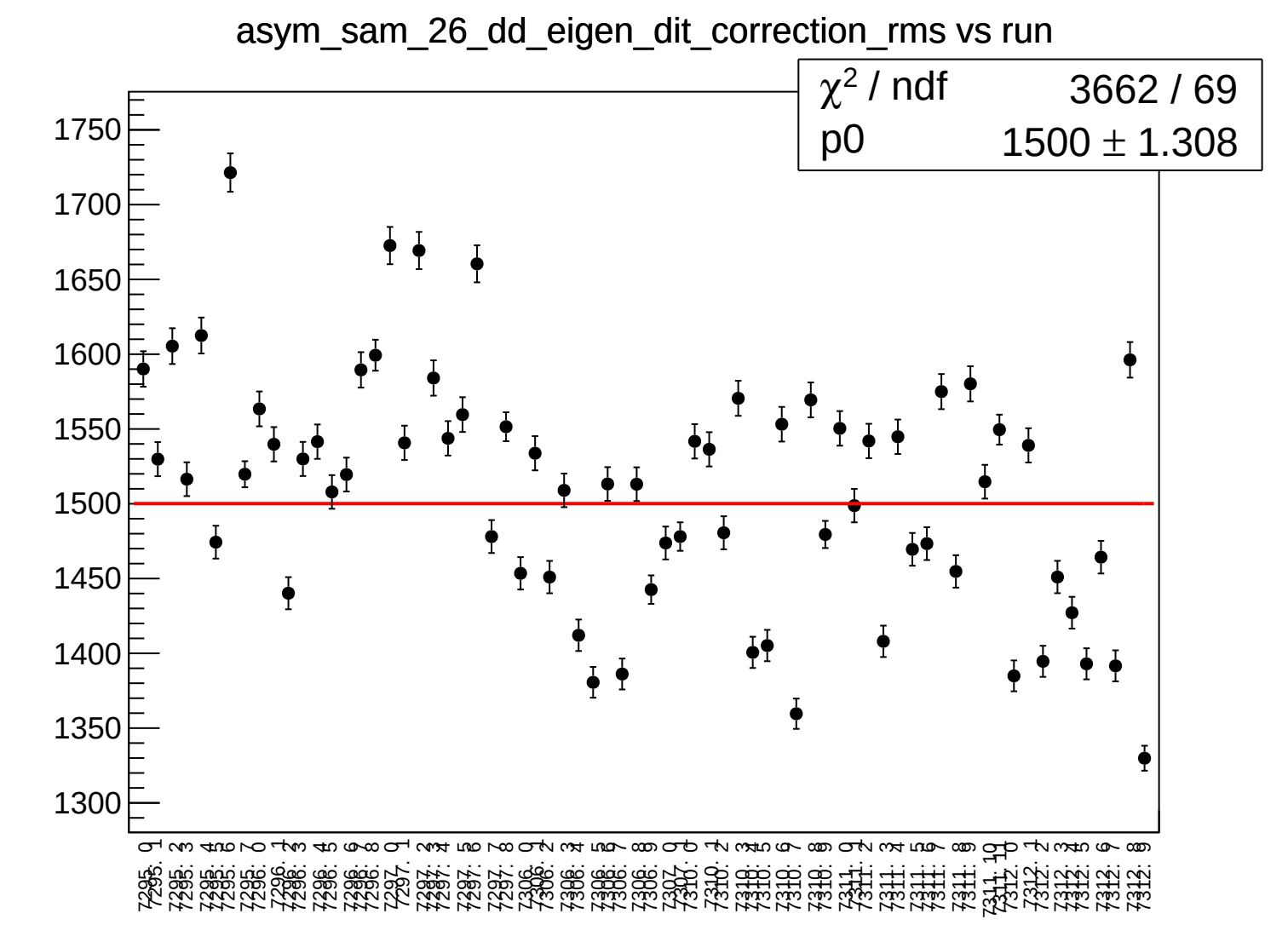

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 49.92 / 69
p0 103 ± 264.8
pull
Entries 70
Mean 195.2
Std Dev 0

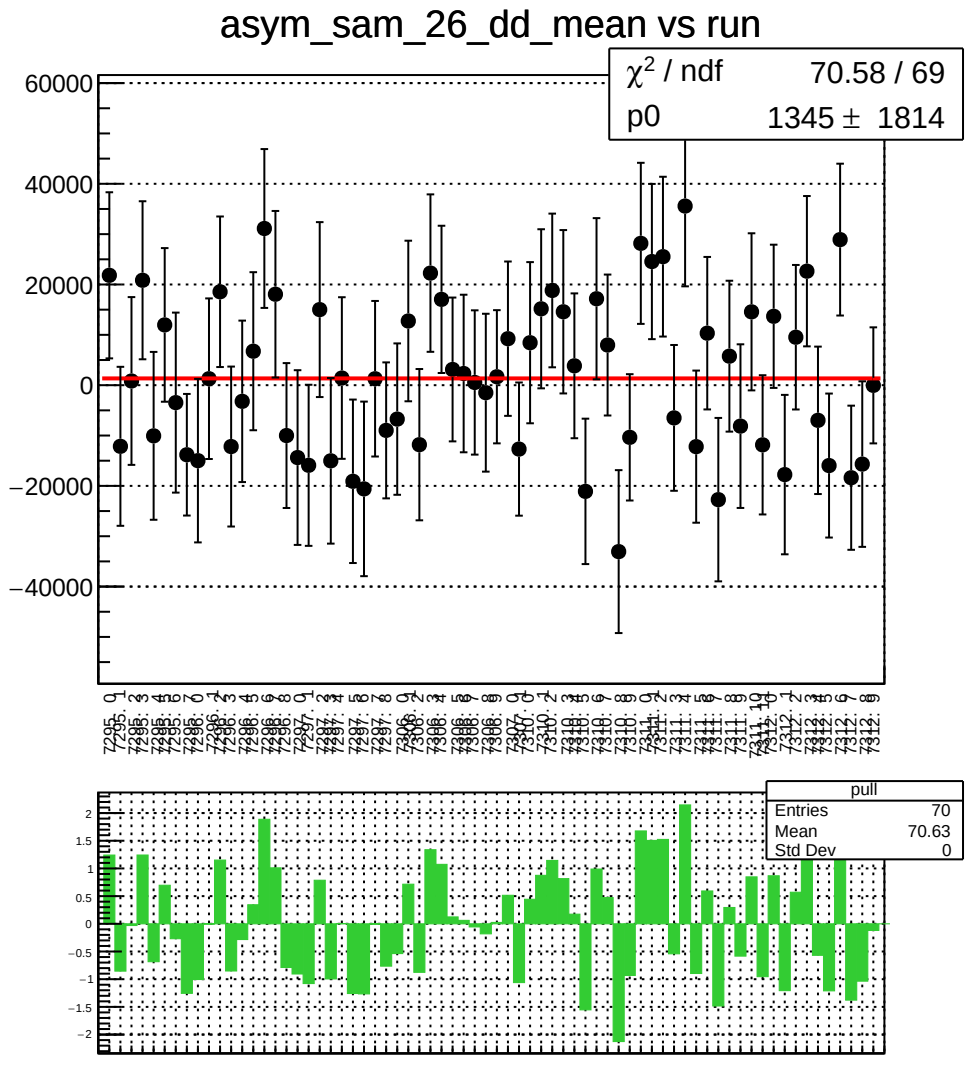

pull1D
Entries 70
Mean 0.01
Std Dev 0.8444

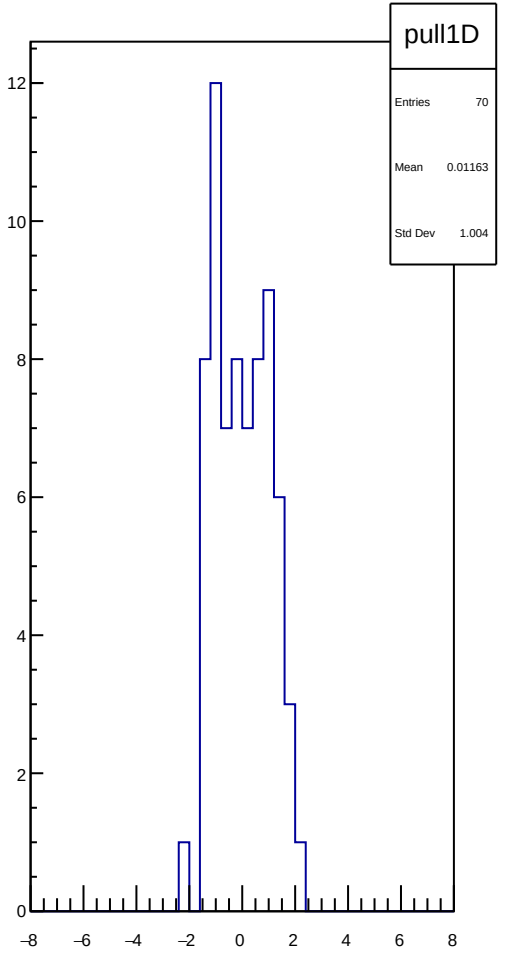

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 694.8 / 69
p0 215 ± 0.1873
240
235
230
225
220
215
210
205

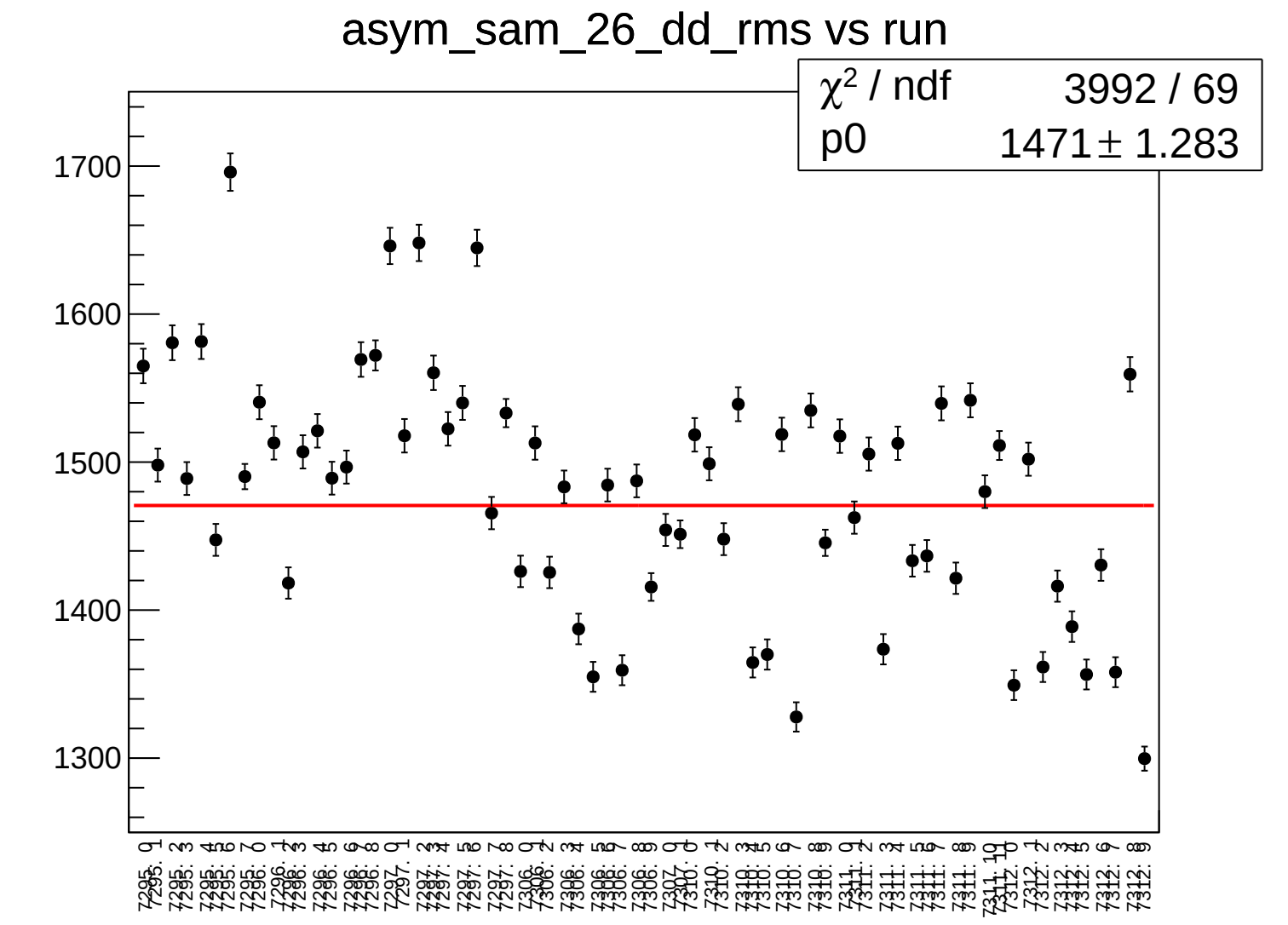

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.76 / 69
p0 −1229 ± 1850
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 52.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

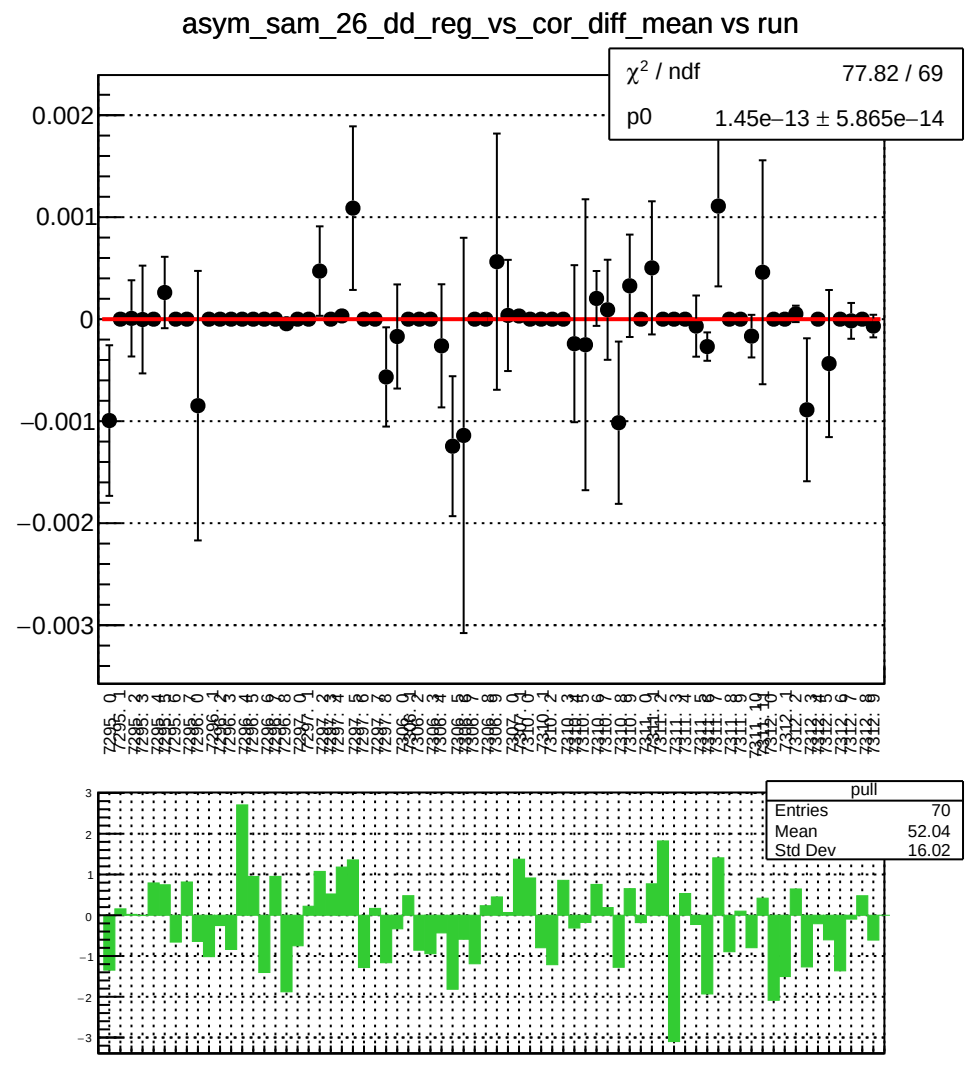

pull1D
Entries 70
Mean −0.01032
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

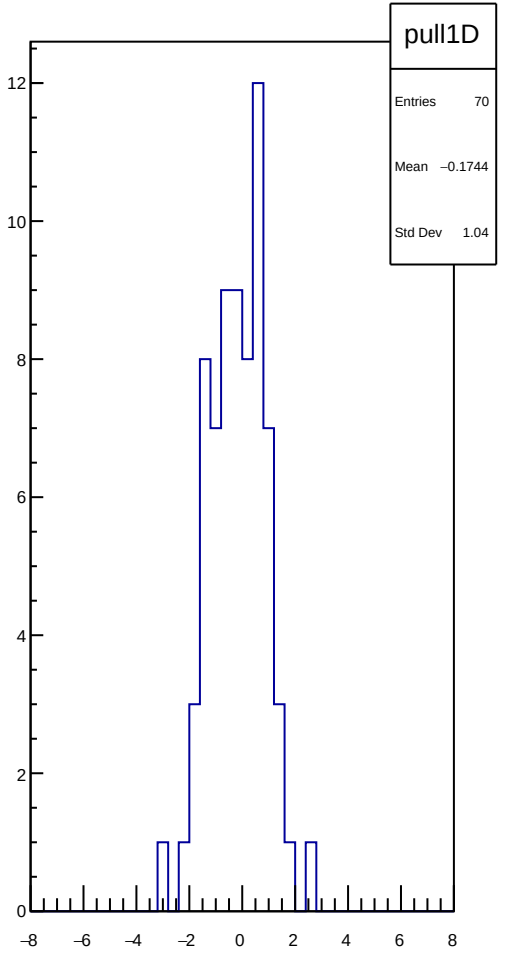

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3662 / 69
p0 1500 ± 1.308
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

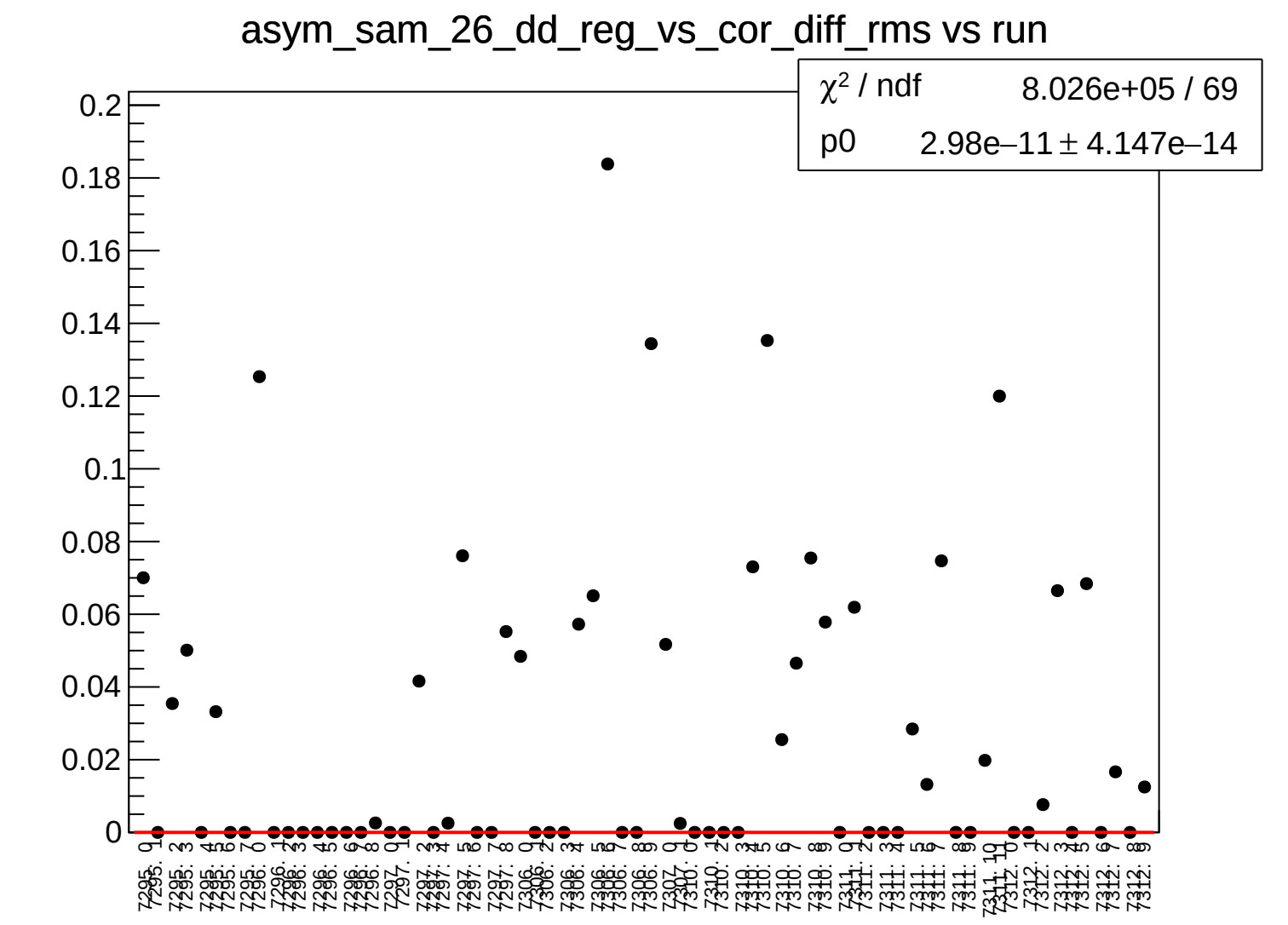

asym_sam_26_dd_mean vs run
χ^2 / ndf 70.58 / 69
p0 1345 ± 1814
60000
40000
20000
0
−20000
−40000
pull
Entries 70
Mean 70.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

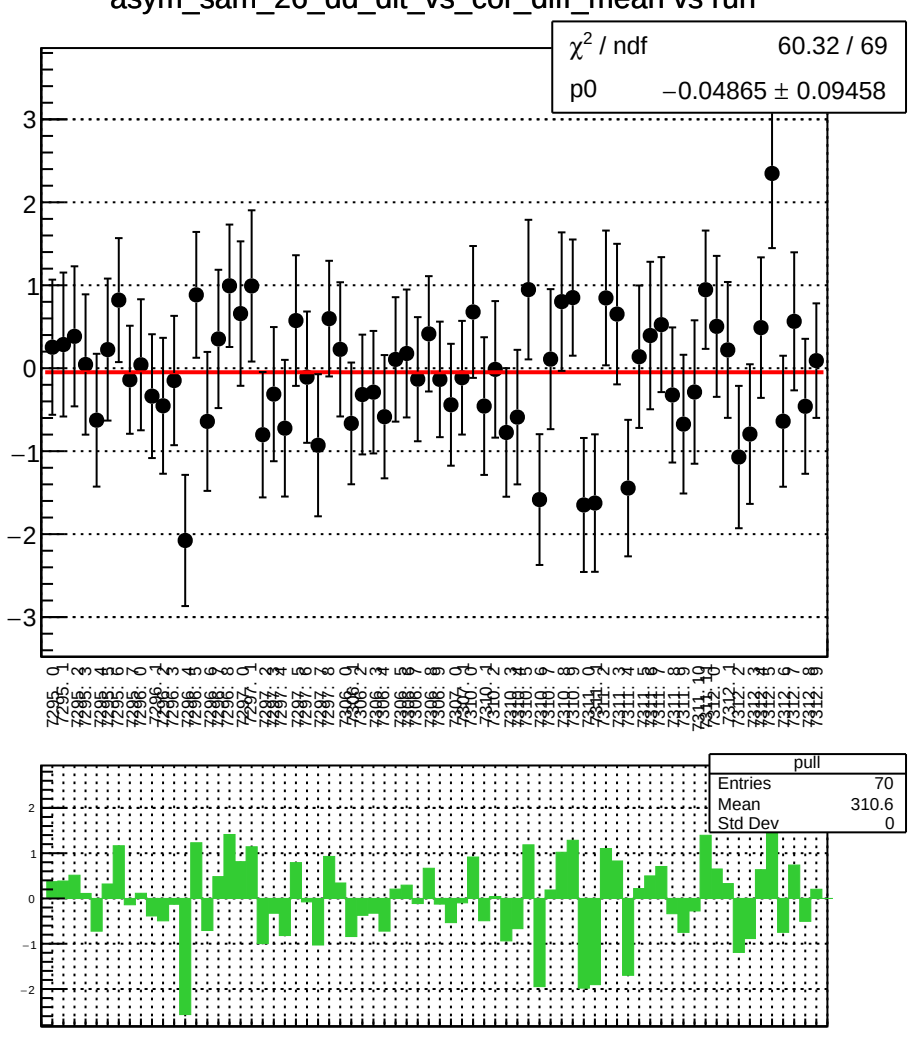

pull1D
Entries 70
Mean 0.01163
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

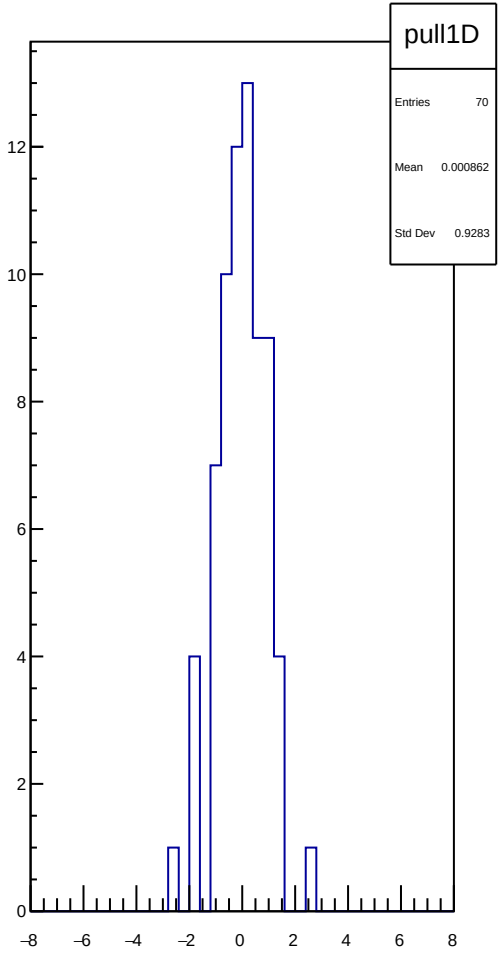

asym_sam_26_dd_rms vs run
χ² / ndf 3992 / 69
p0 1471 ± 1.283
1700
1600
1500
1400
1300

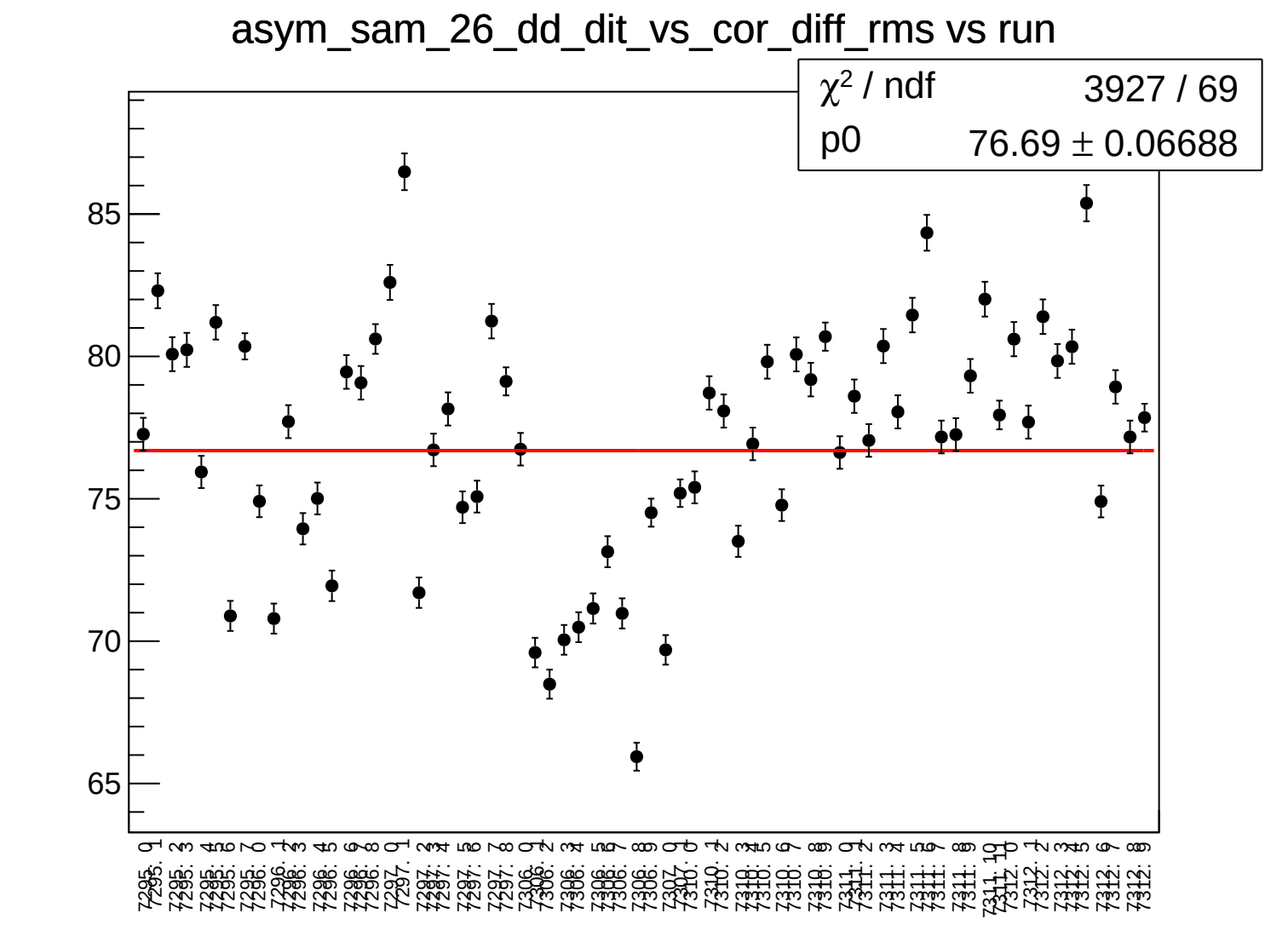

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.82 / 69
p0 1.45e−13 ± 5.865e−14
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 70
Mean 52.04
Std Dev 16.02
3
2
1
0
−1
−2
−3

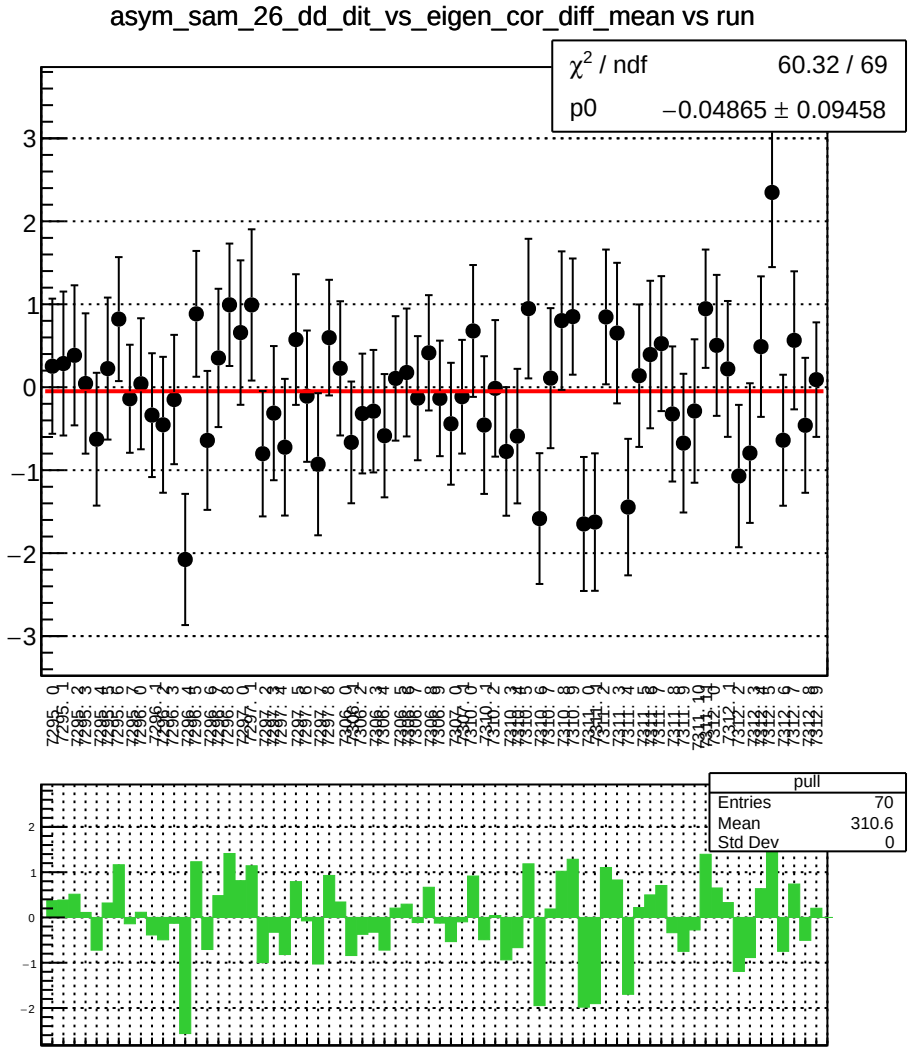

pull1D
Entries 70
Mean −0.1744
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

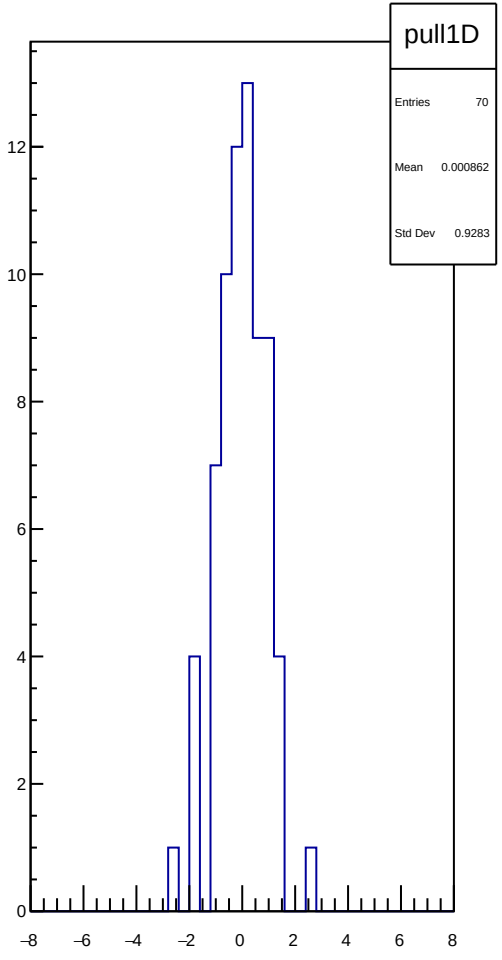

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.026e+05 / 69
p0 2.98e−11 ± 4.147e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

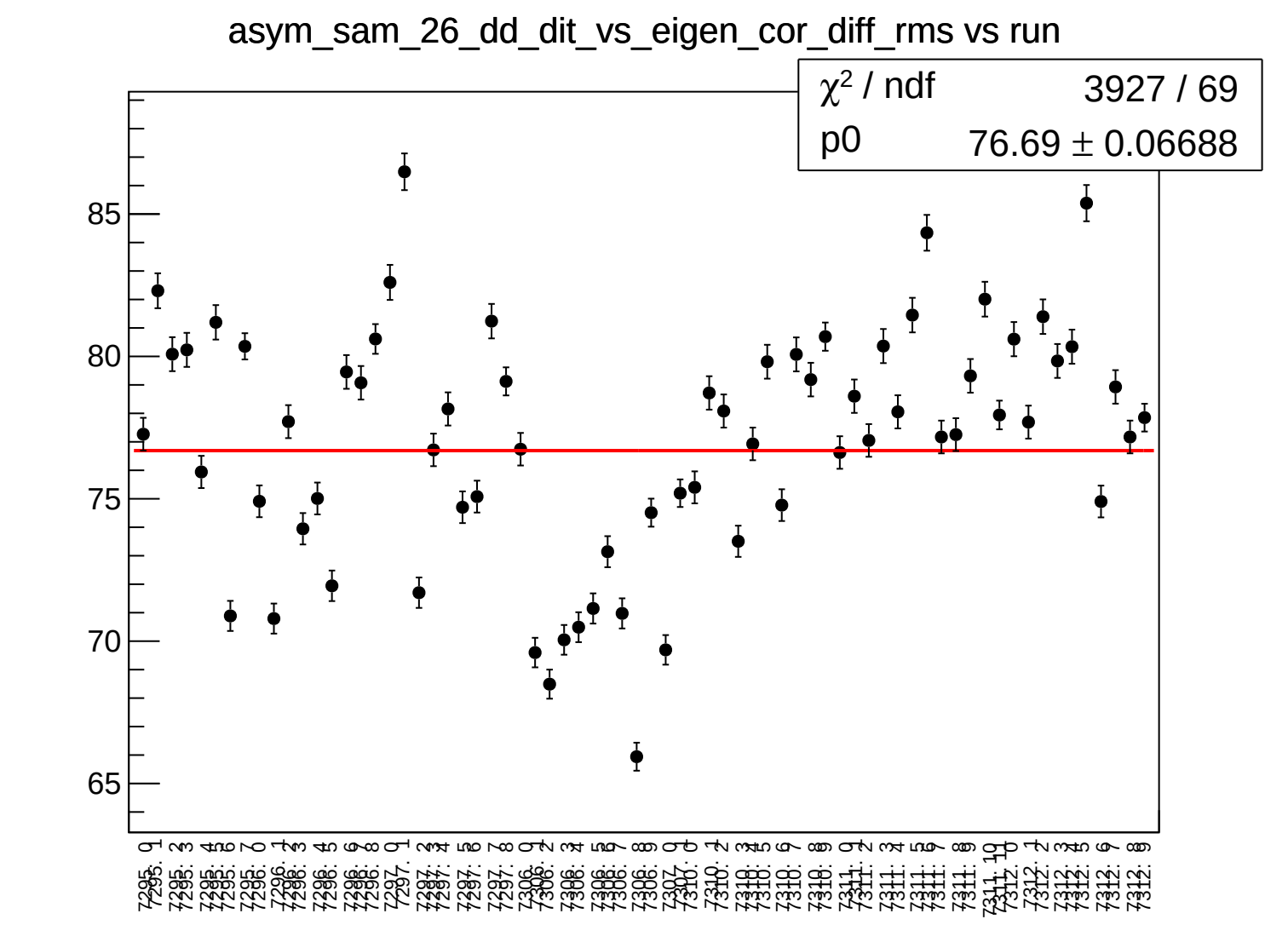

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.32 / 69
p0 −0.04865 ± 0.09458
pull
Entries 70
Mean 310.6
Std Dev 0

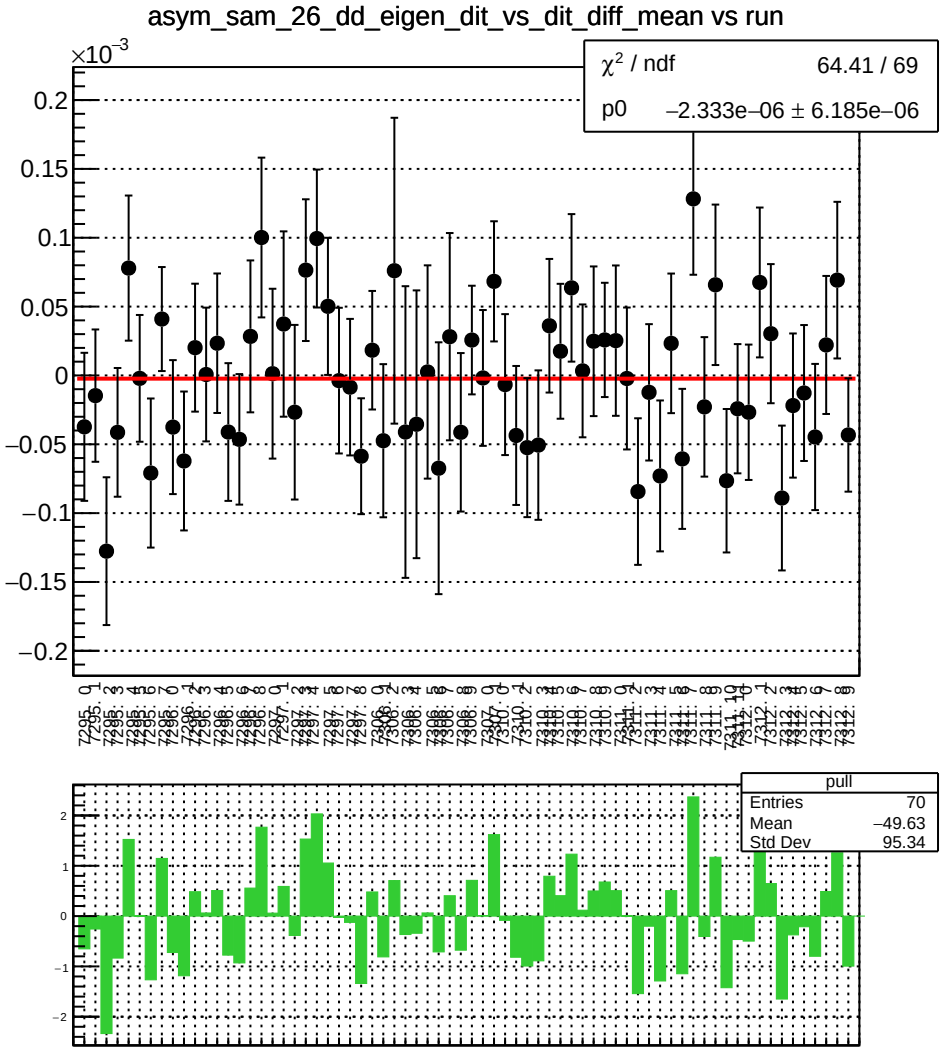

pull1D
Entries 70
Mean 0.000862
Std Dev 0.9283

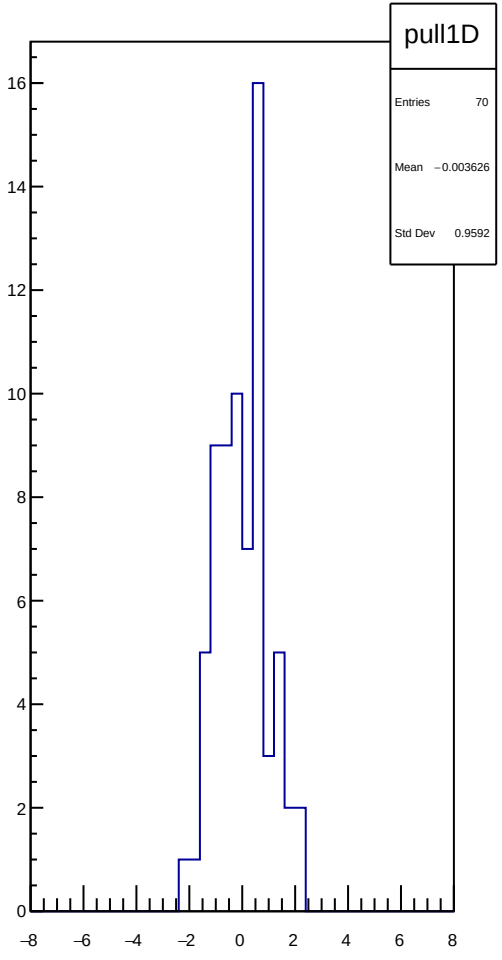

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3927 / 69
p0 76.69 ± 0.06688
85
80
75
70
65

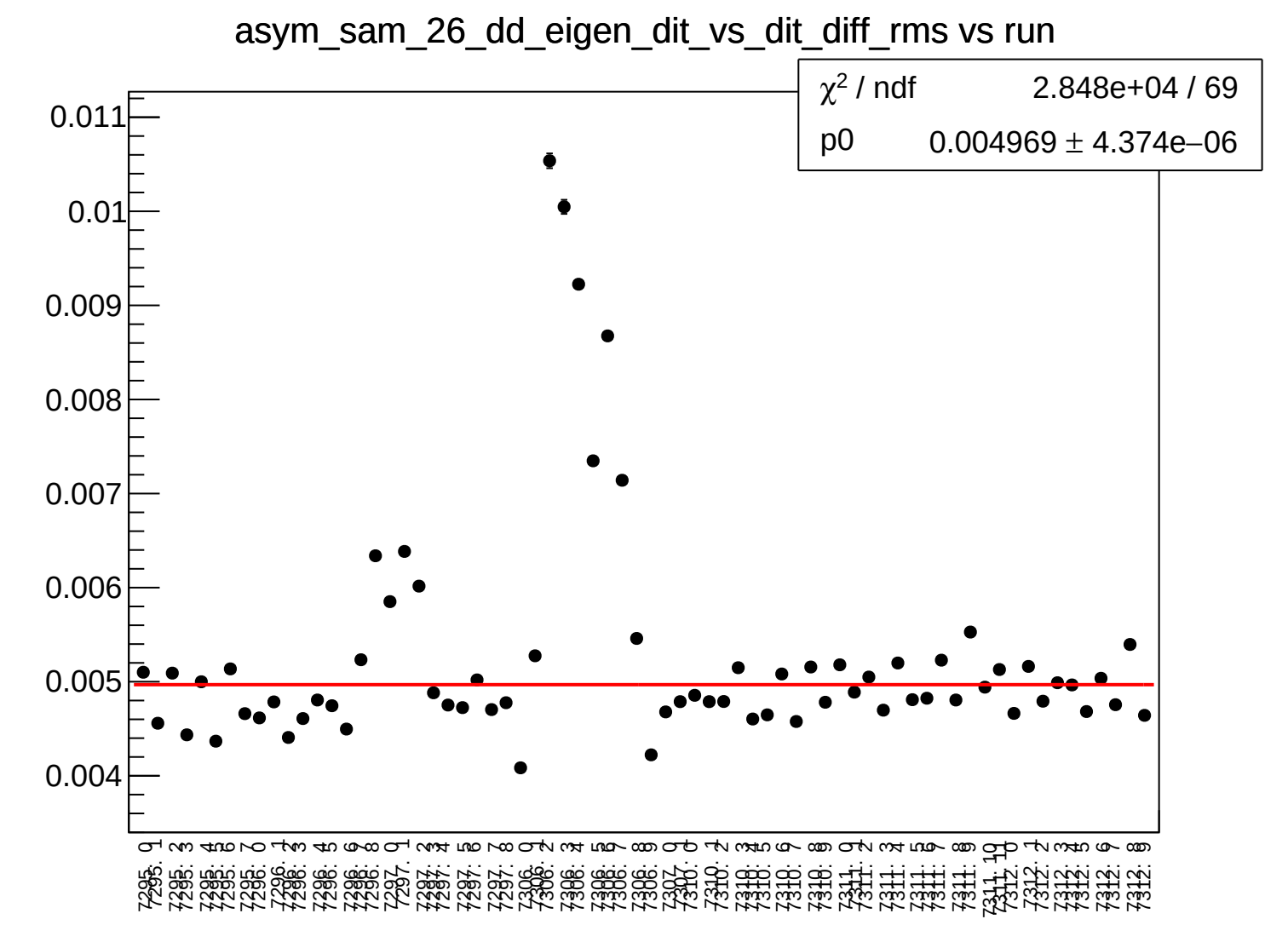

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.32 / 69
p0 −0.04865 ± 0.09458
pull
Entries 70
Mean 310.6
Std Dev 0

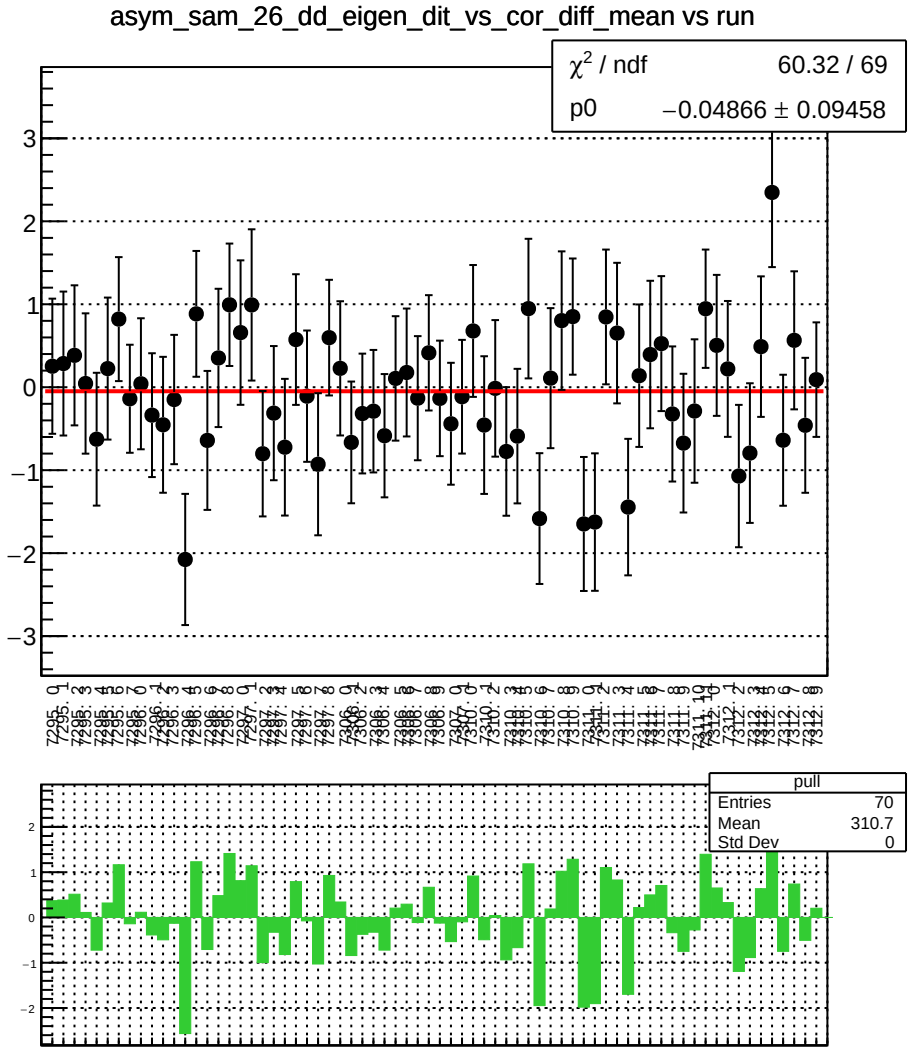

pull1D
Entries 70
Mean 0.000862
Std Dev 0.9283

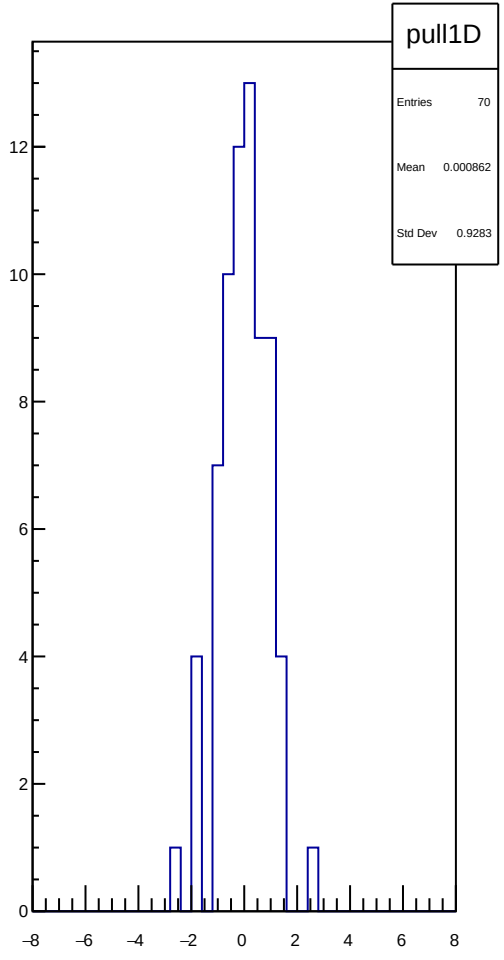

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3927 / 69
p0 76.69 ± 0.06688
85
80
75
70
65

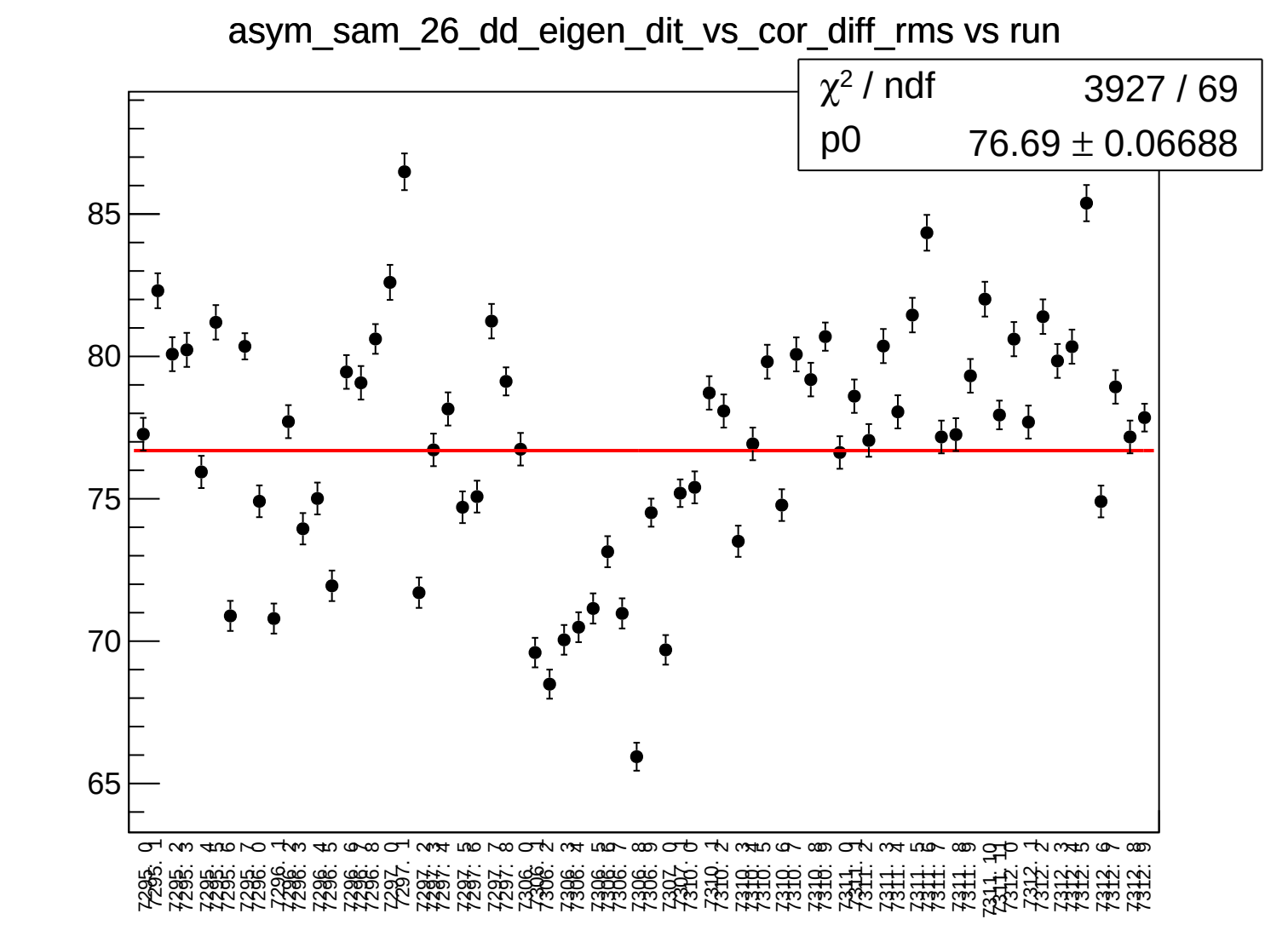

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.41 / 69
p0 −2.333e−06 ± 6.185e−06
pull
Entries 70
Mean −49.63
Std Dev 95.34

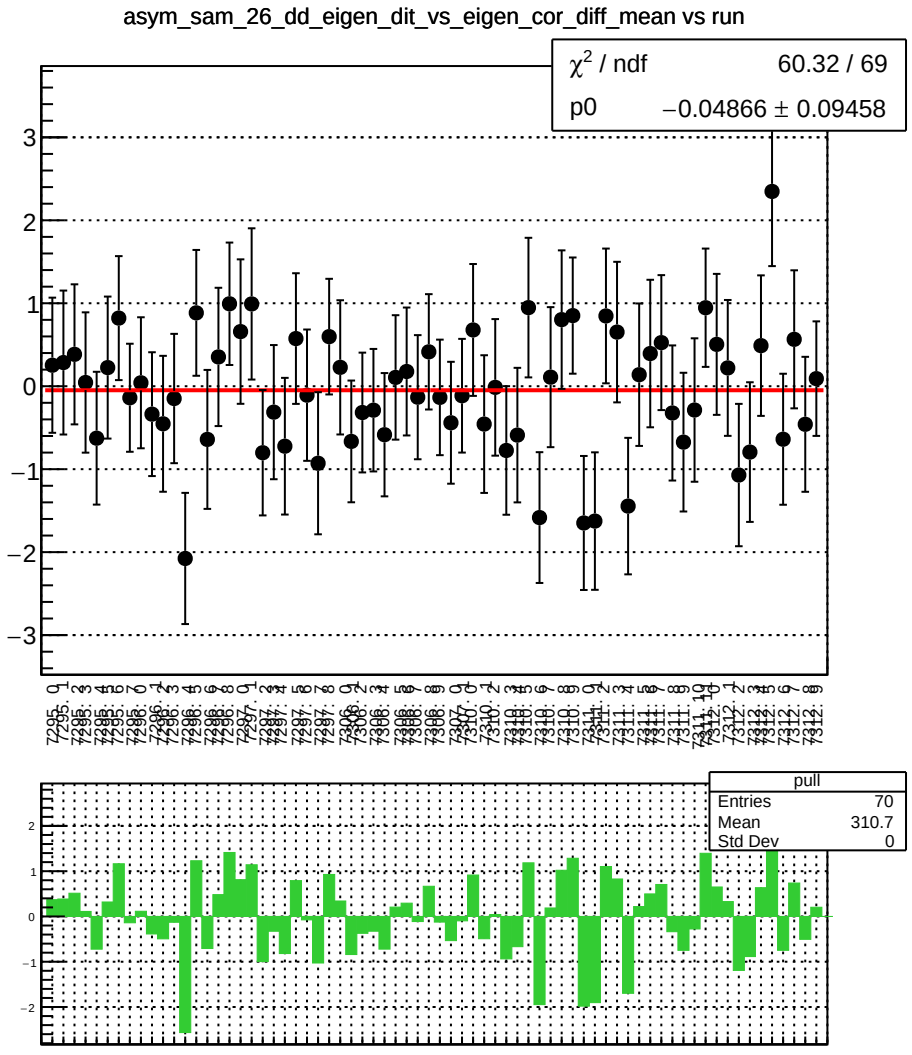

pull1D
Entries 70
Mean −0.003626
Std Dev 0.9592

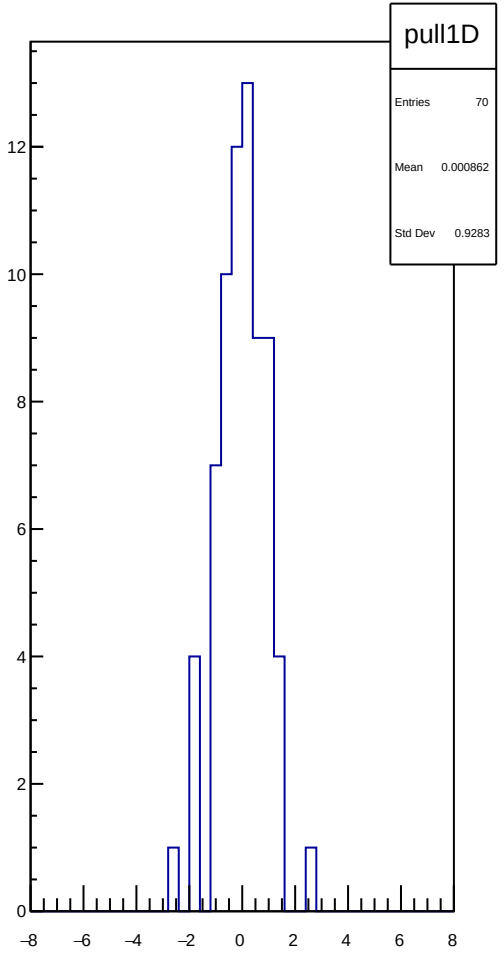

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.848e+04 / 69
p0 0.004969 ± 4.374e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

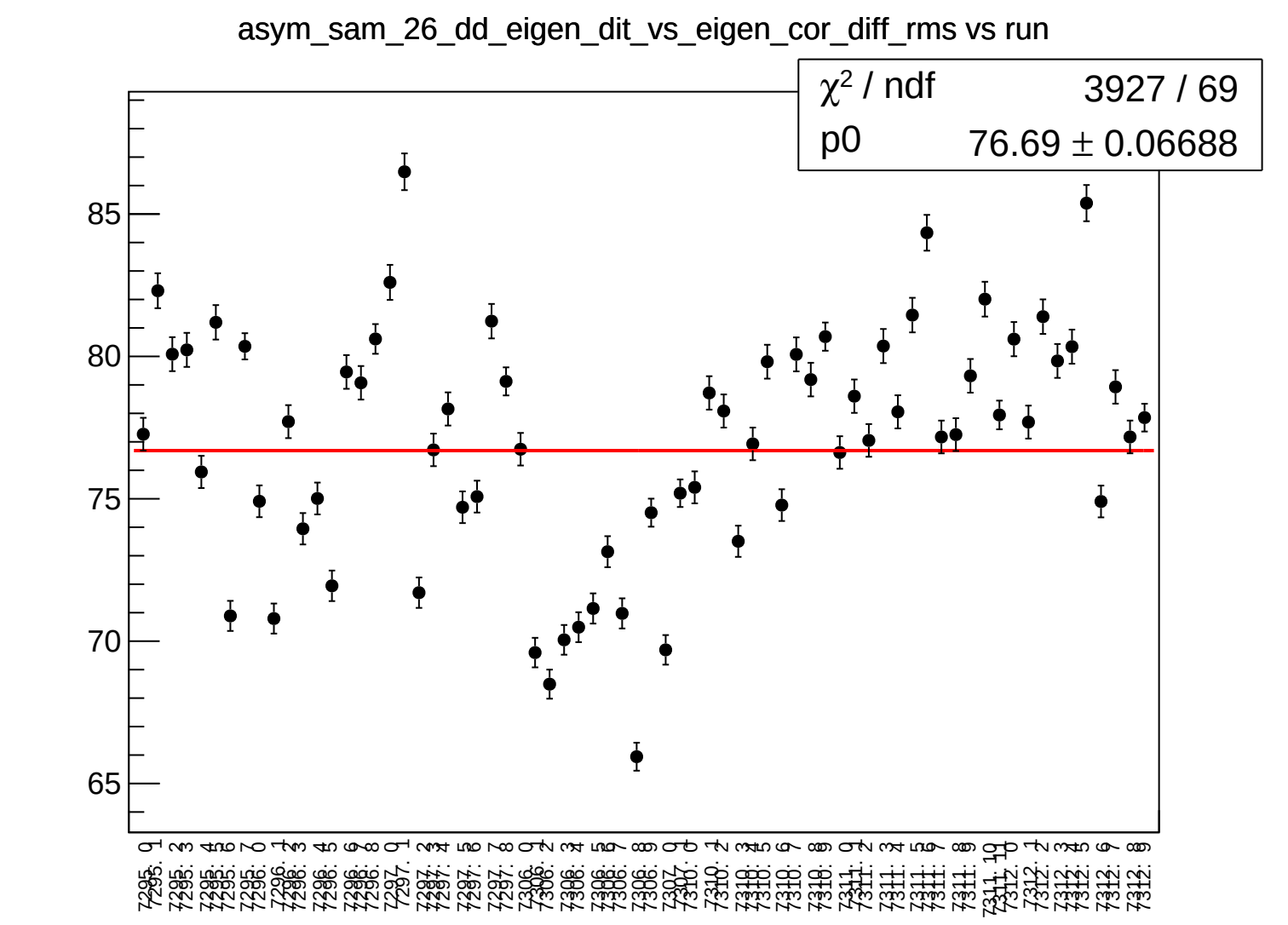

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.32 / 69
p0 −0.04866 ± 0.09458
pull
Entries 70
Mean 310.7
Std Dev 0

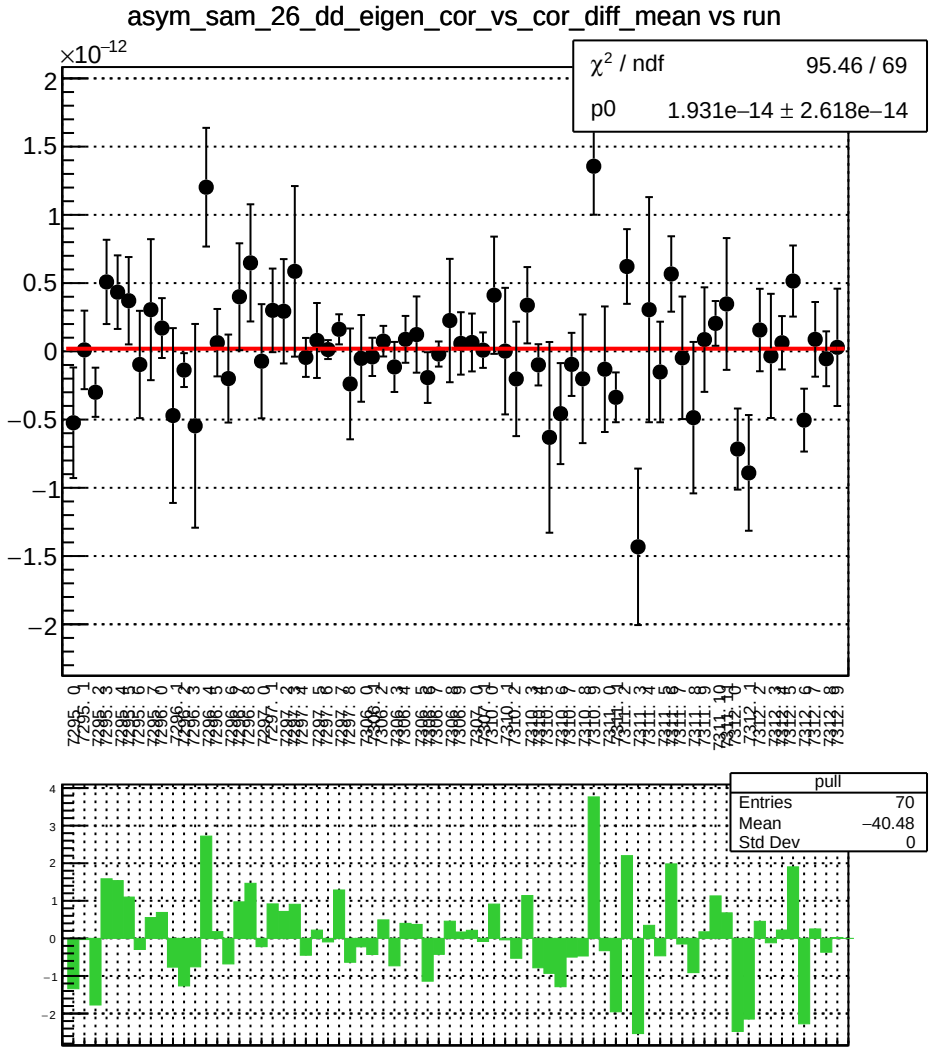

pull1D
Entries 70
Mean 0.000862
Std Dev 0.9283

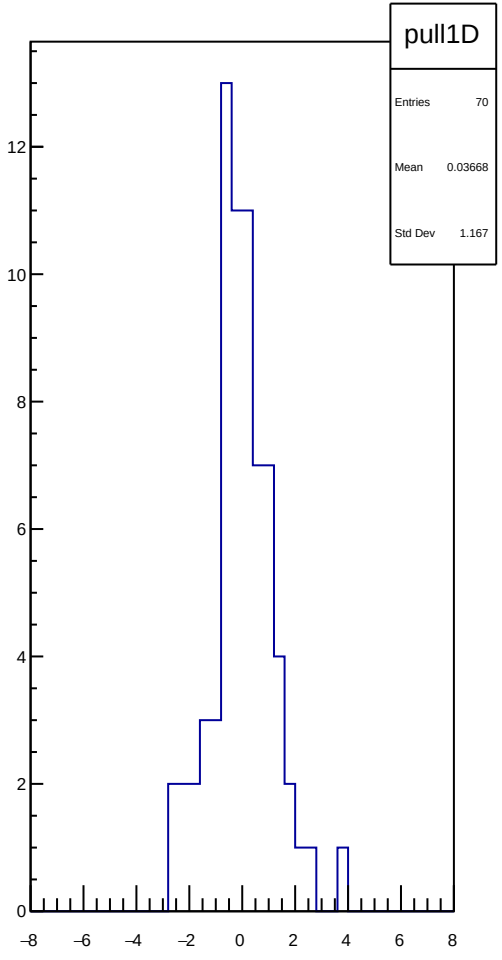

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3927 / 69
p0 76.69 ± 0.06688
85
80
75
70
65

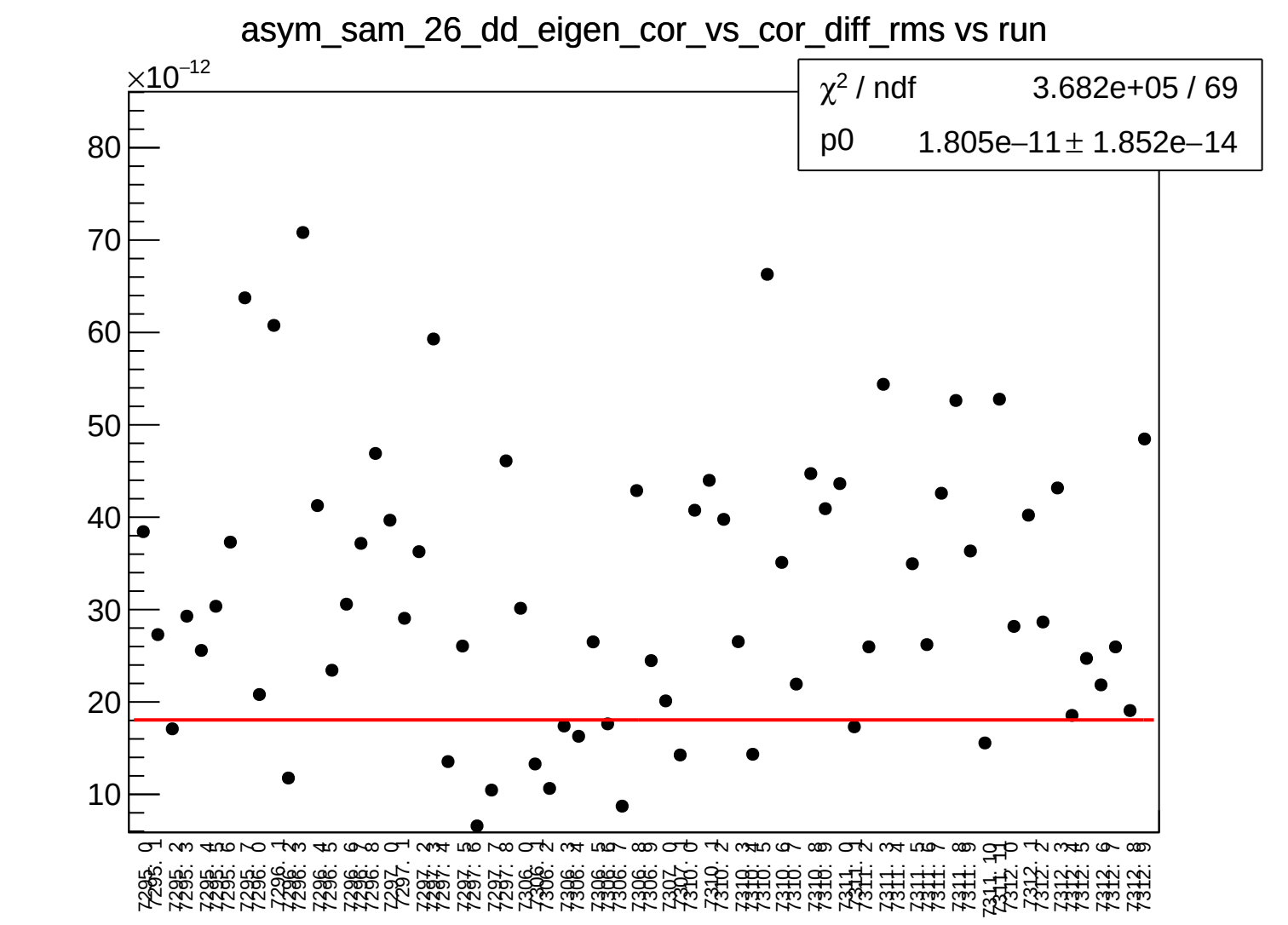

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.32 / 69
p0 −0.04866 ± 0.09458
pull
Entries 70
Mean 310.7
Std Dev 0

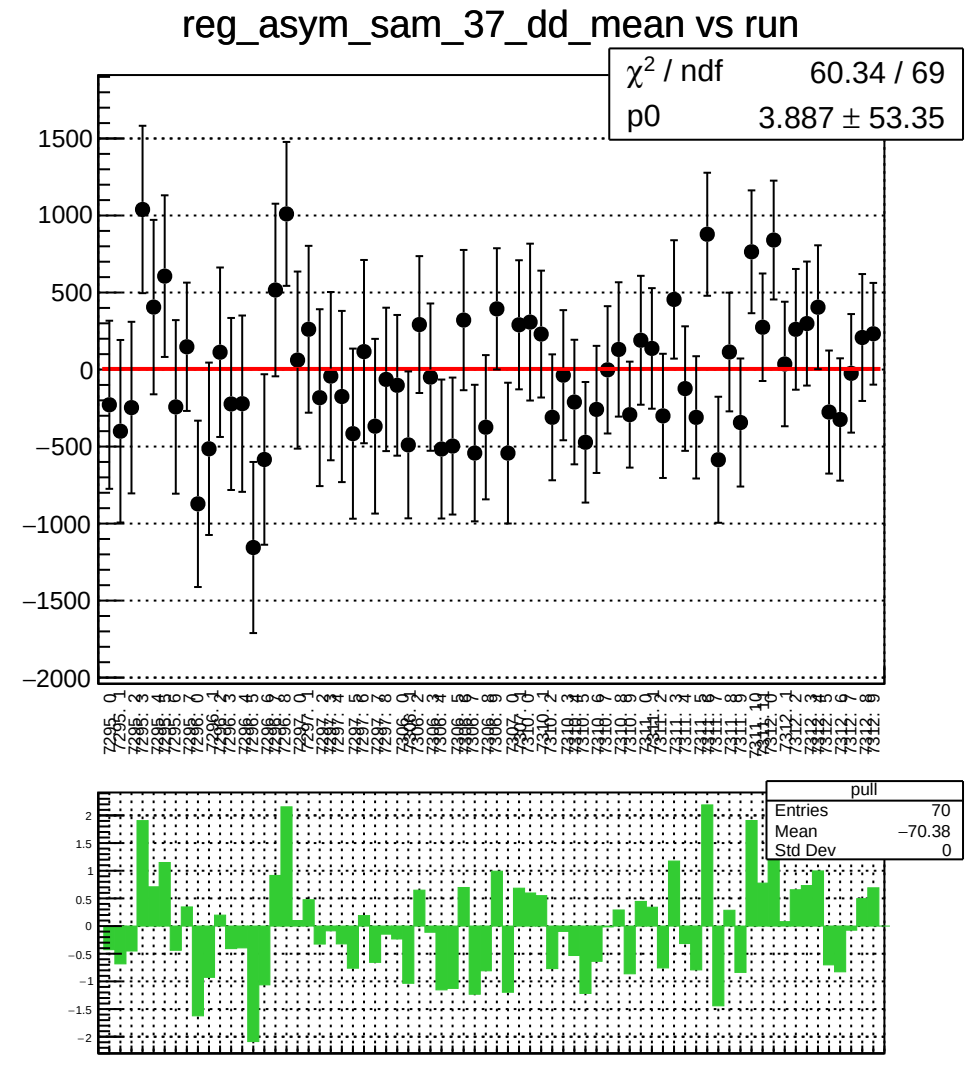

pull1D
Entries 70
Mean 0.000862
Std Dev 0.9283

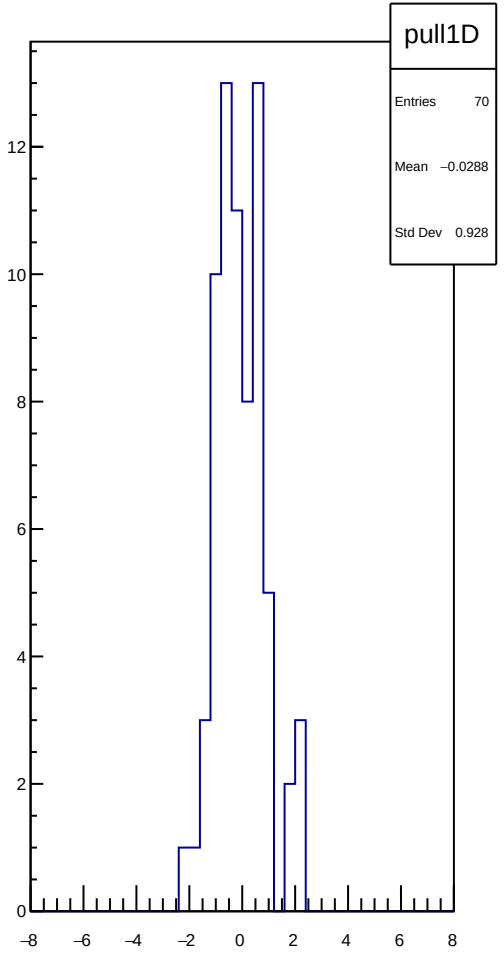

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3927 / 69
p0 76.69 ± 0.06688
85
80
75
70
65

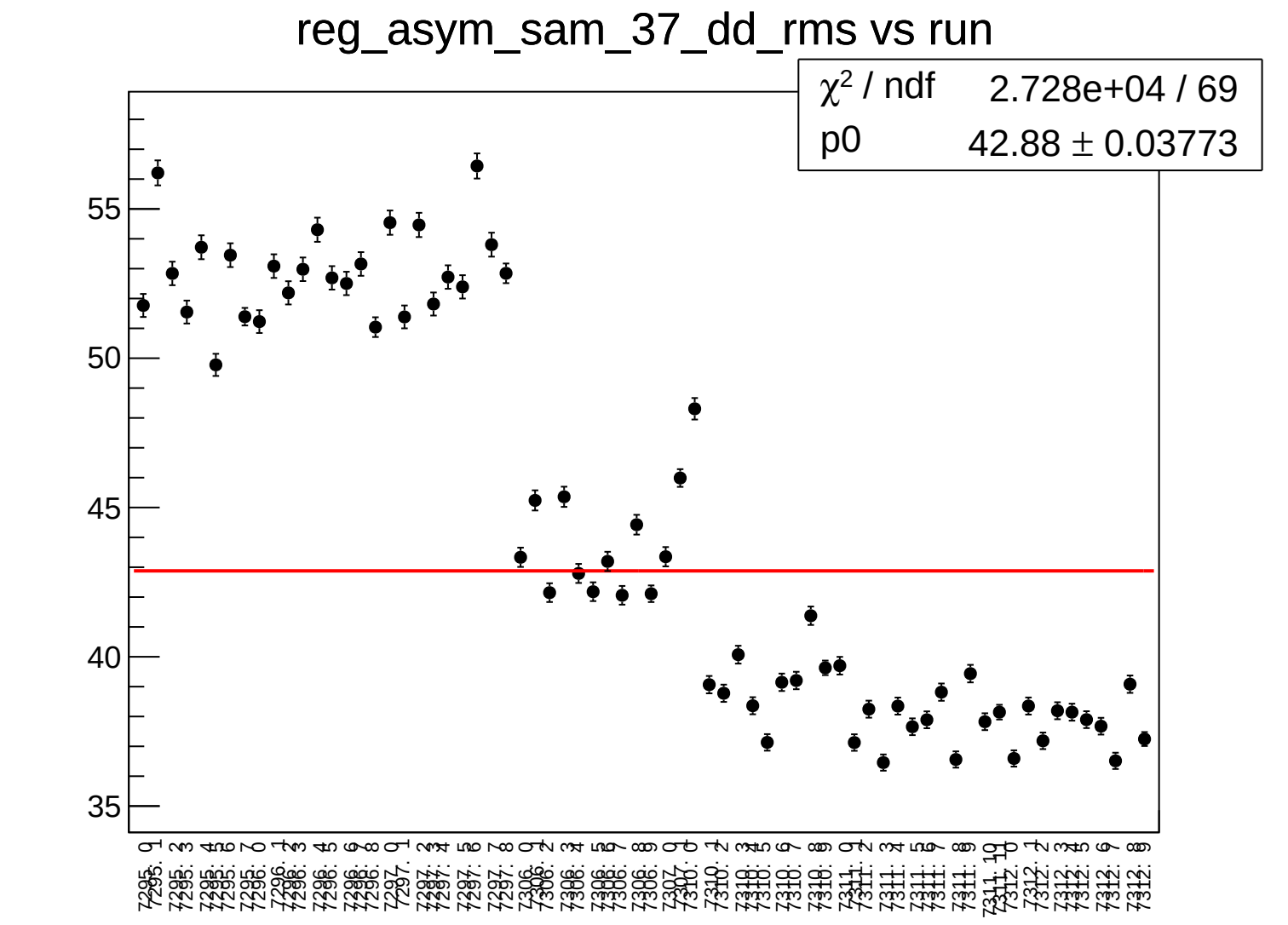

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95.46 / 69
p0 1.931e−14 ± 2.618e−14
pull
Entries 70
Mean −40.48
Std Dev 0

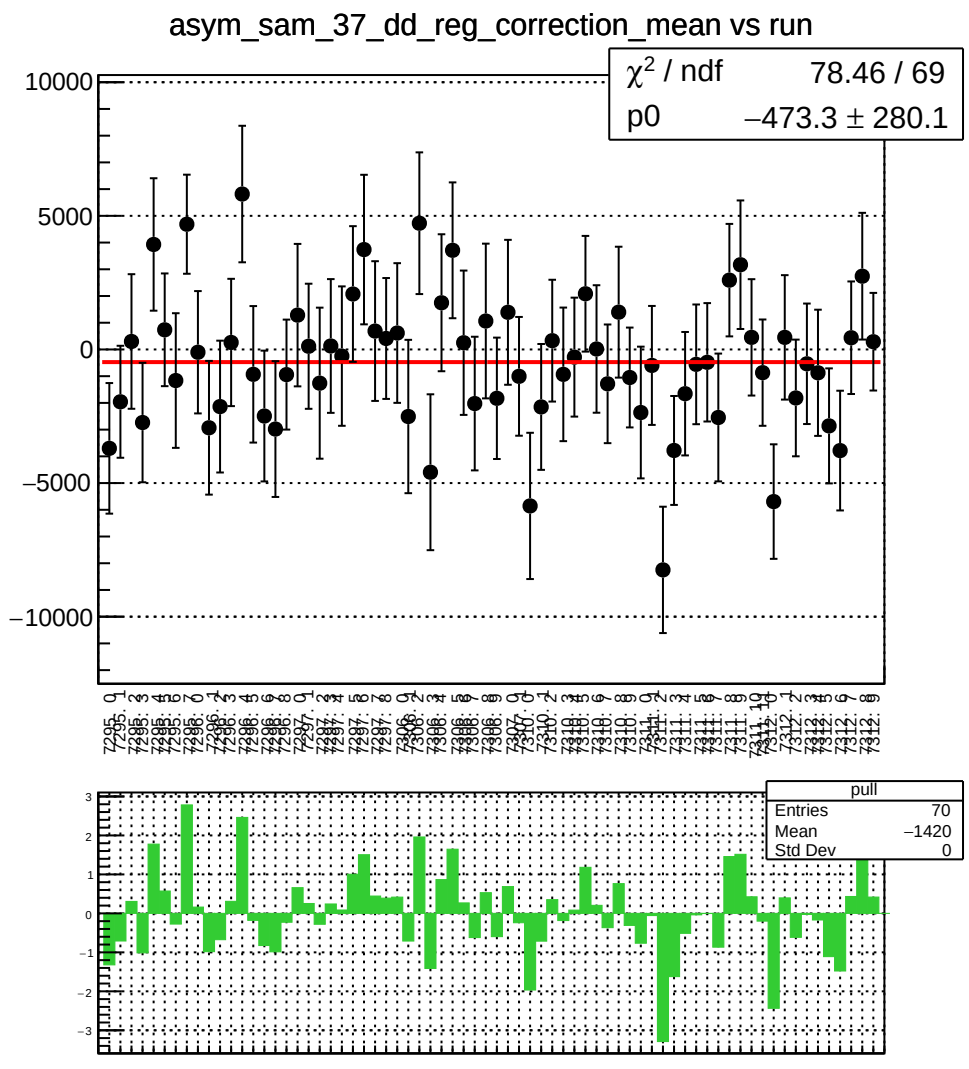

pull1D
Entries 70
Mean 0.03668
Std Dev 1.167

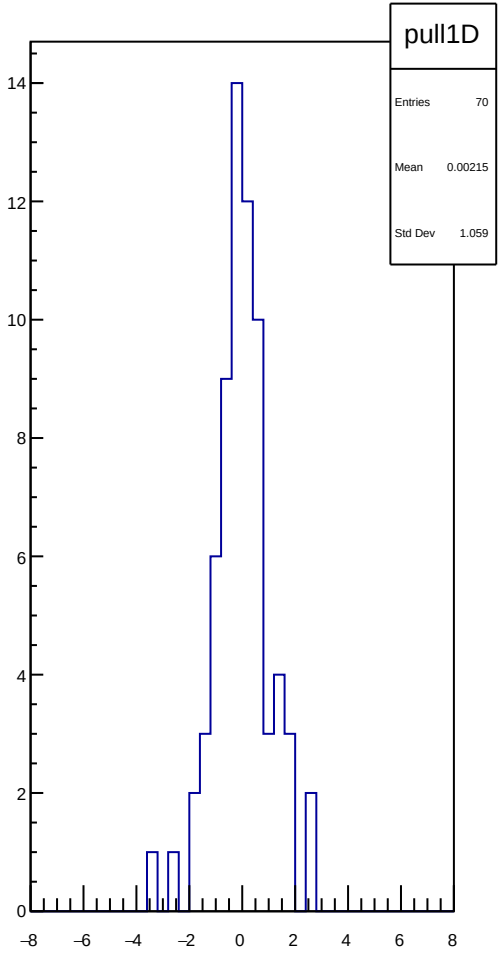

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.682e+05 / 69
p0 1.805e−11 ± 1.852e−14
80
70
60
50
40
30
20
10

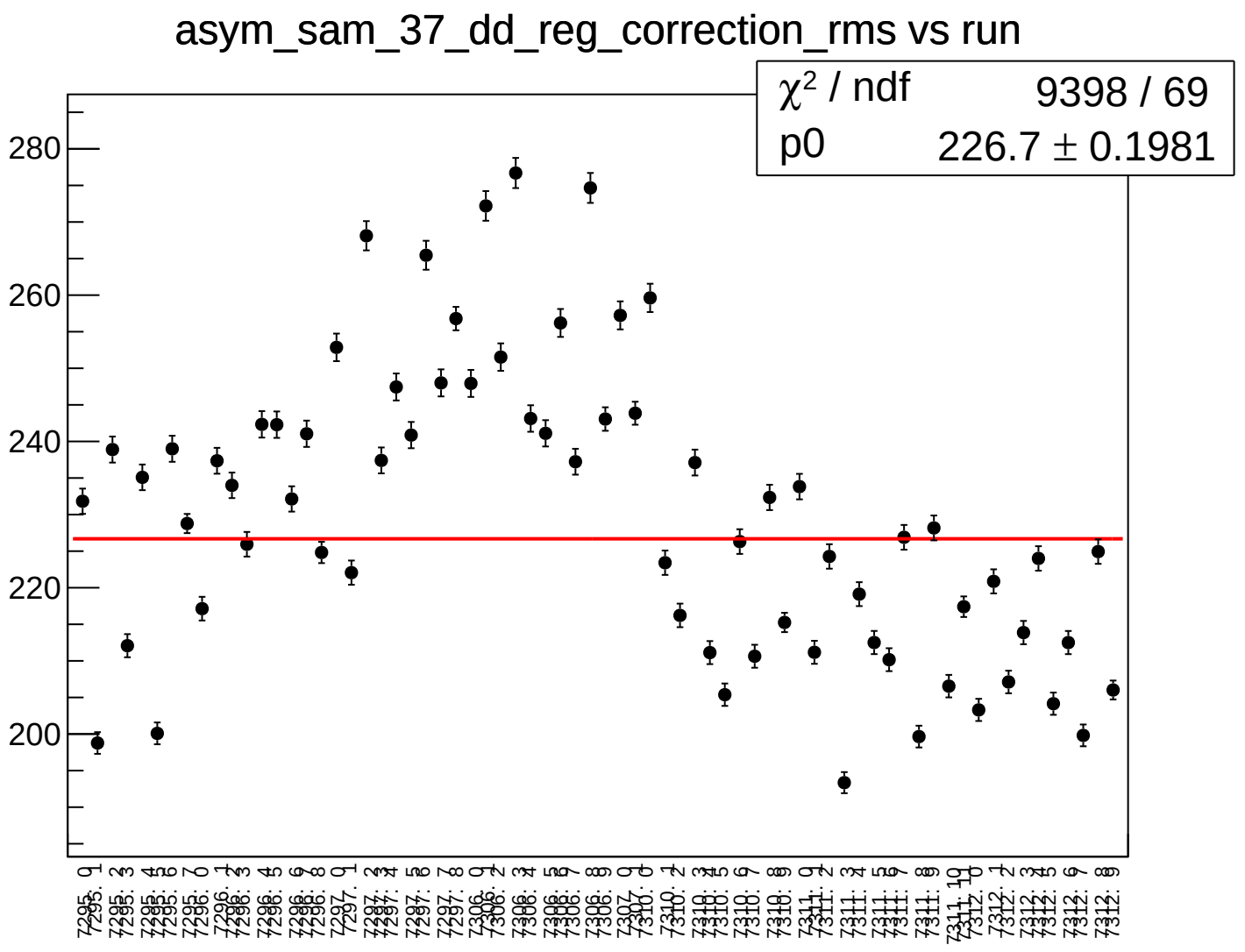

reg_asym_sam_37_dd_mean vs run
χ² / ndf 60.34 / 69
p0 3.887 ± 53.35
pull
Entries 70
Mean −70.38
Std Dev 0

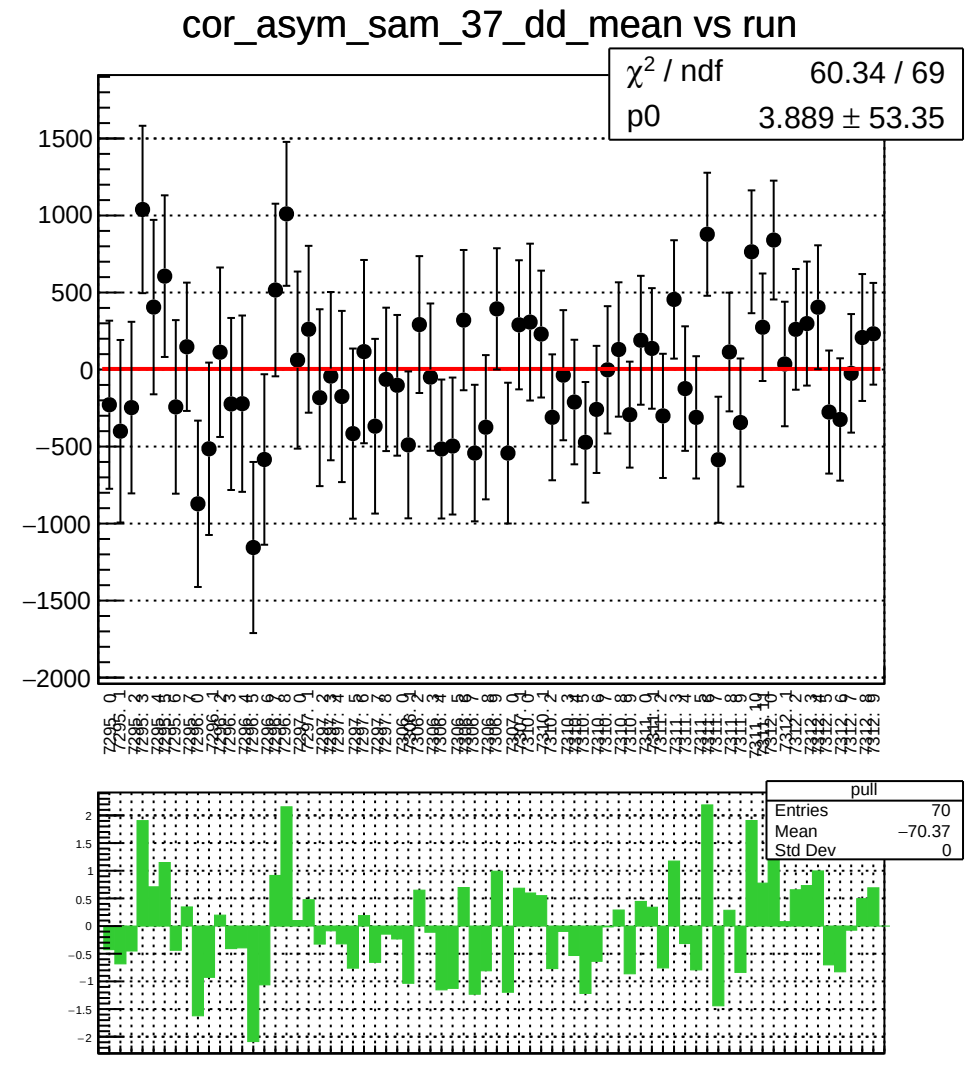

pull1D
Entries 70
Mean −0.0288
Std Dev 0.928

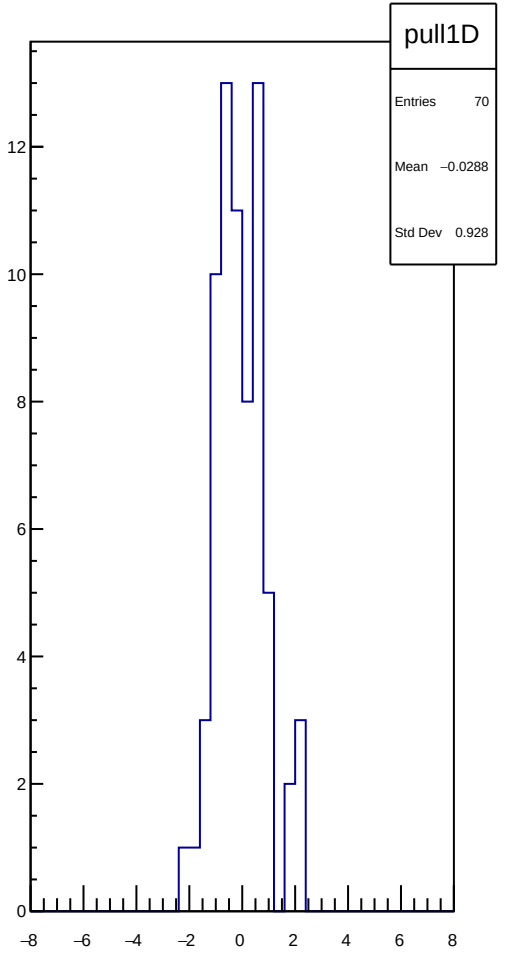

reg_asym_sam_37_dd_rms vs run
χ² / ndf 2.728e+04 / 69
p0 42.88 ± 0.03773
55
50
45
40
35

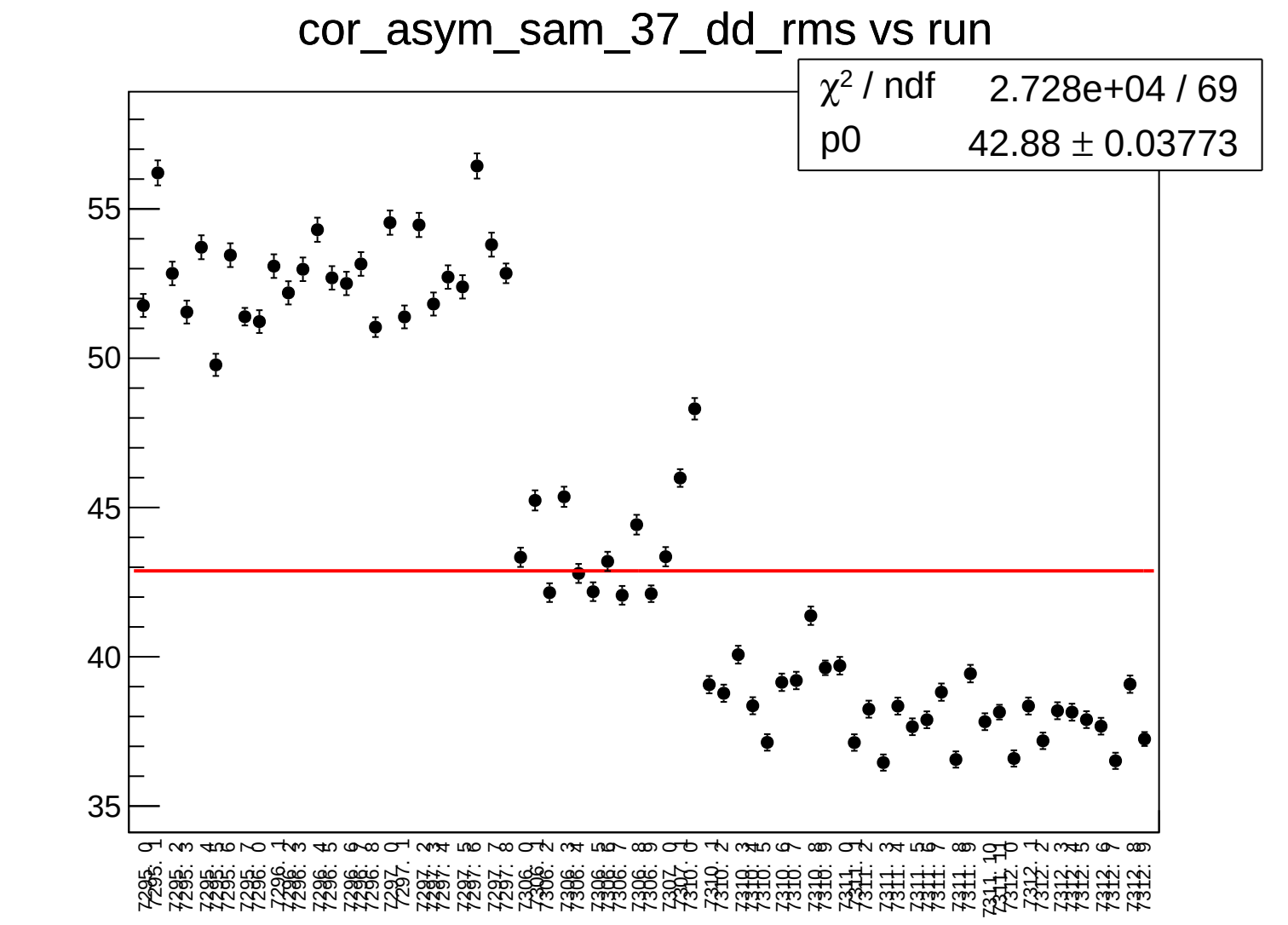

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 78.46 / 69
p0 −473.3 ± 280.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1420
Std Dev 0
3
2
1
0
−1
−2
−3

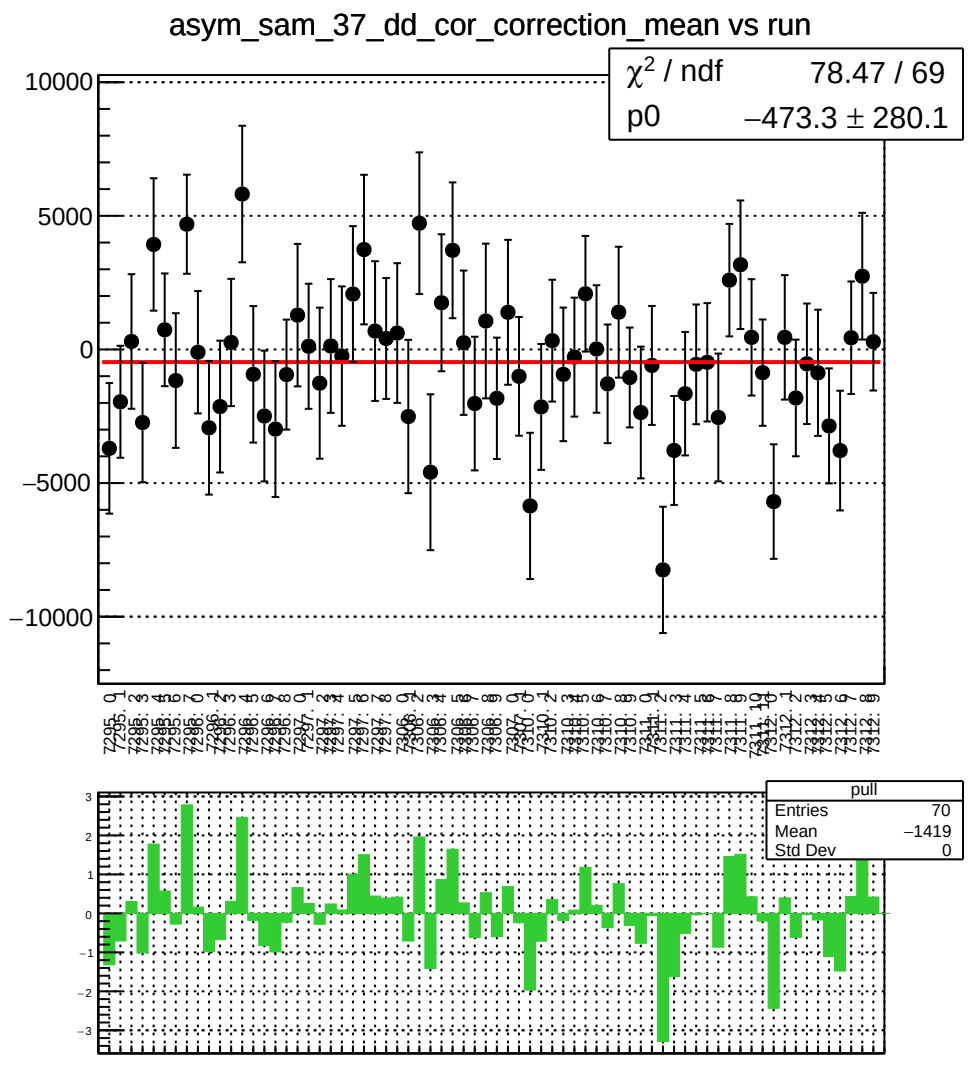

pull1D
Entries 70
Mean 0.00215
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

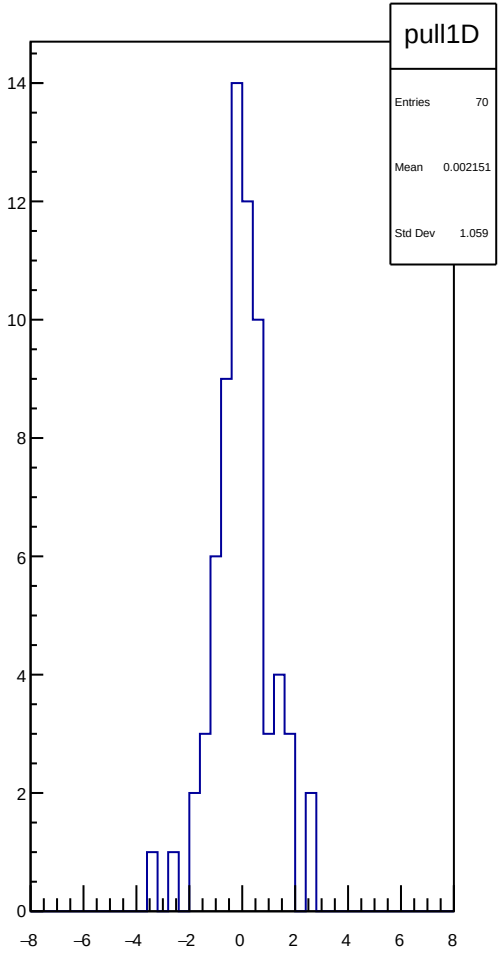

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 9398 / 69
p0 226.7 ± 0.1981
280
260
240
220
200

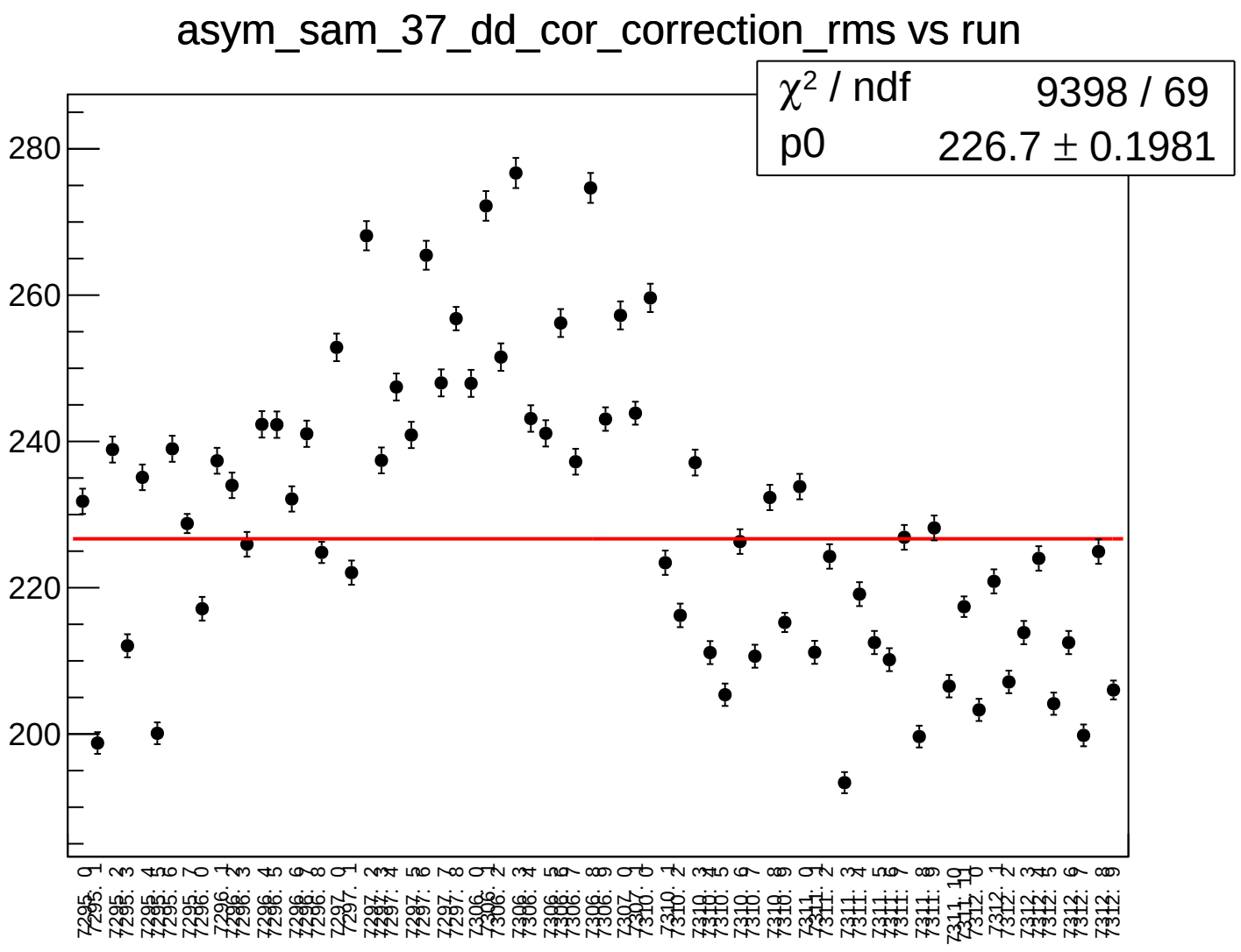

cor_asym_sam_37_dd_mean vs run
χ^2 / ndf 60.34 / 69
p0 3.889 ± 53.35
pull
Entries 70
Mean −70.37
Std Dev 0

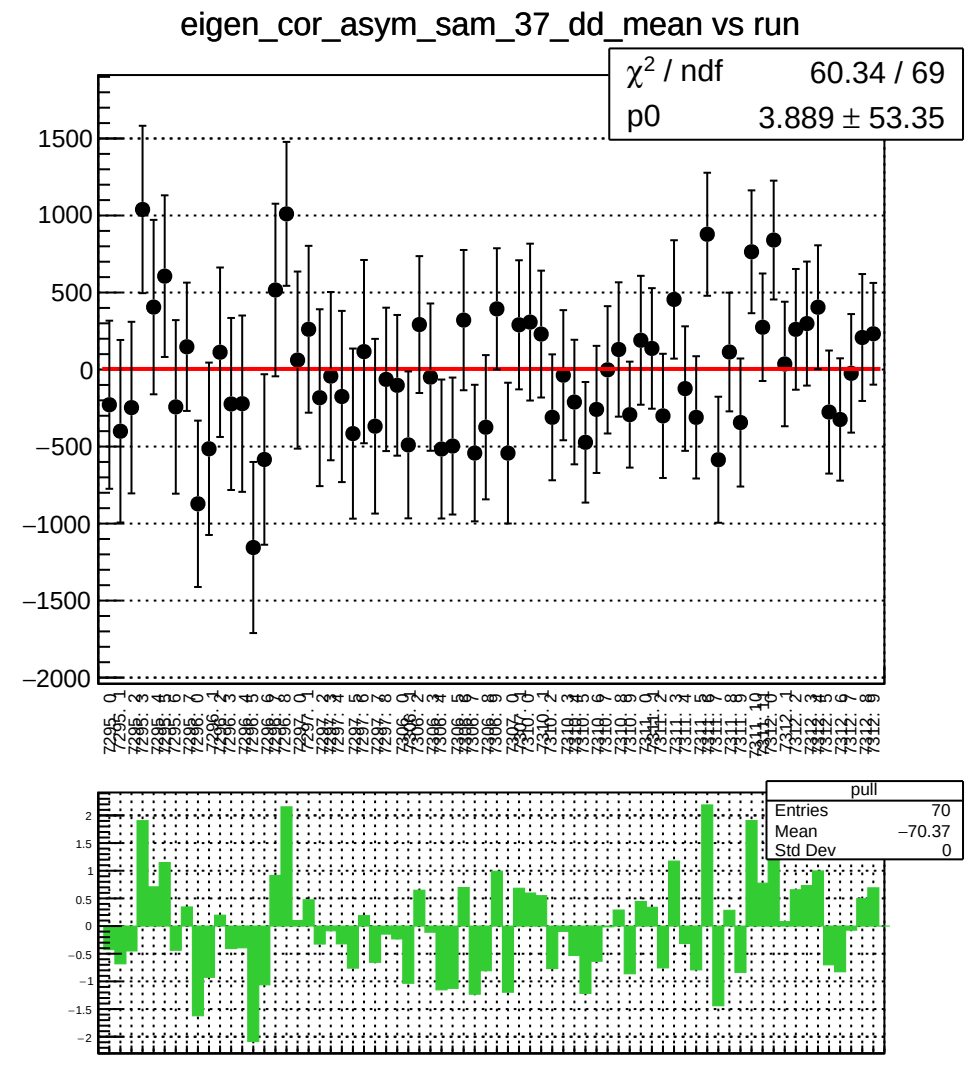

pull1D
Entries 70
Mean −0.0288
Std Dev 0.928

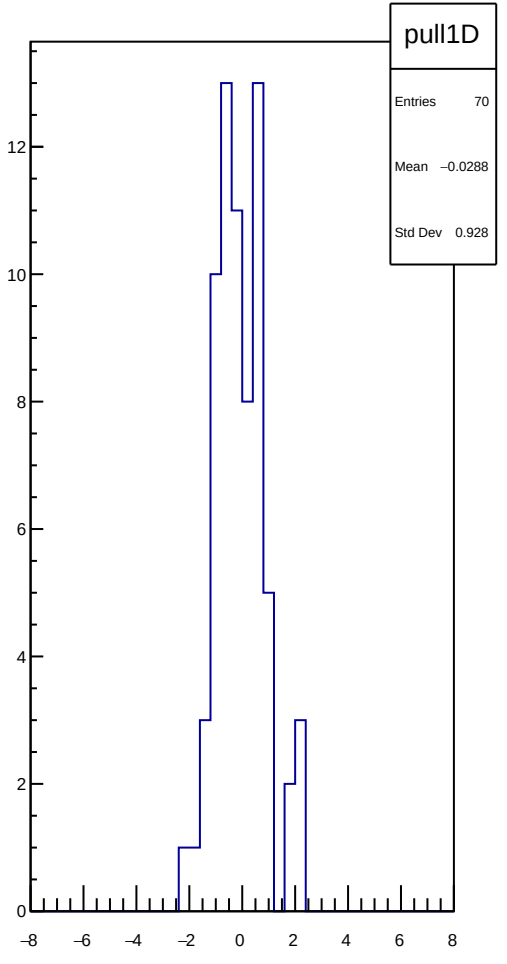

cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.728e+04 / 69
p0 42.88 ± 0.03773
55
50
45
40
35

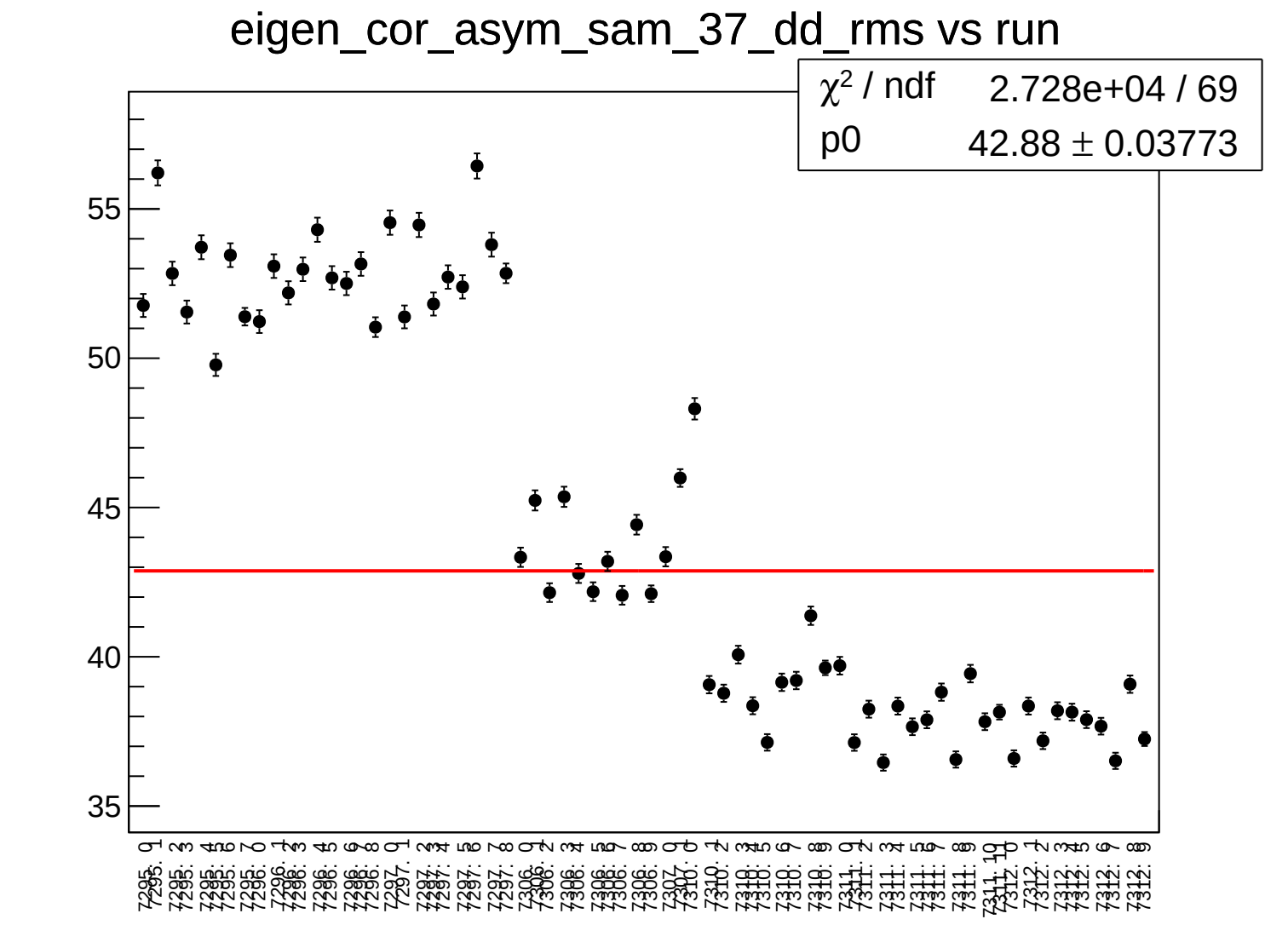

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 78.47 / 69
p0 −473.3 ± 280.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1419
Std Dev 0

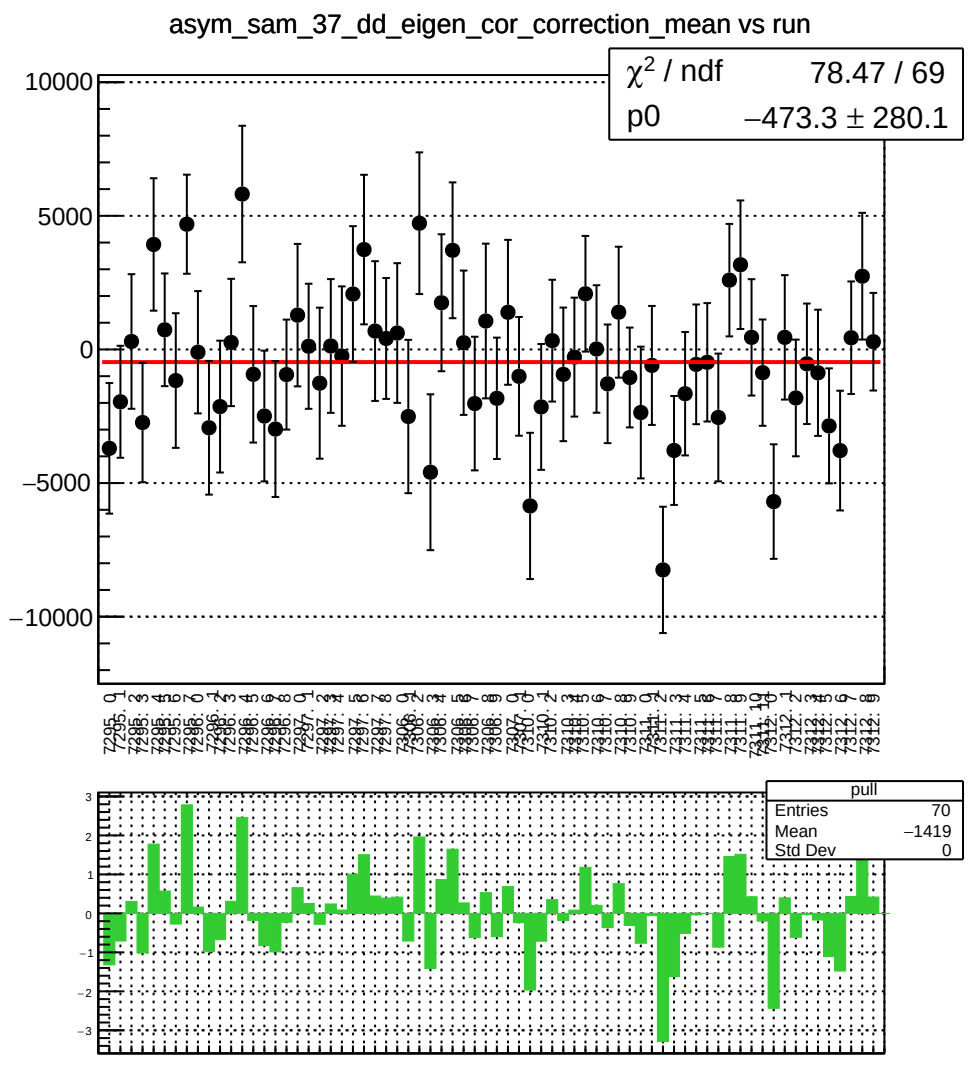

pull1D
Entries 70
Mean 0.002151
Std Dev 1.059

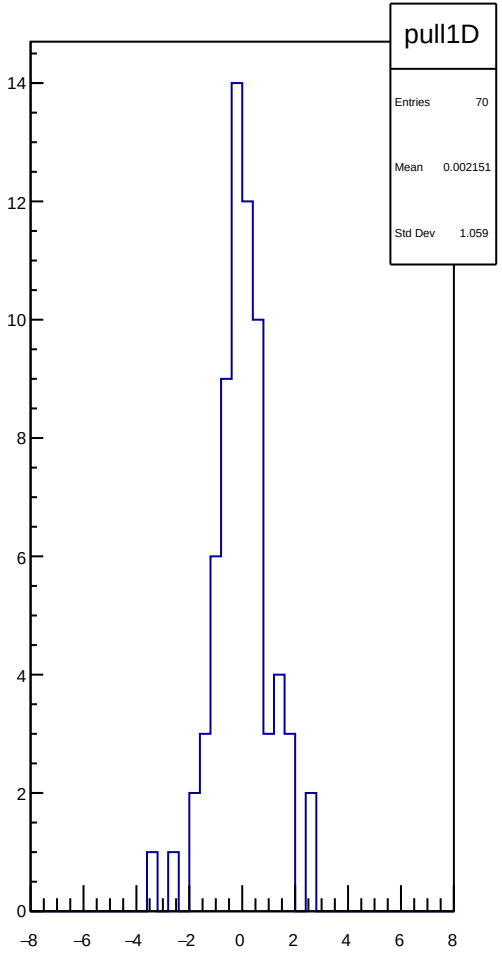

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 9398 / 69
p0 226.7 ± 0.1981
280
260
240
220
200

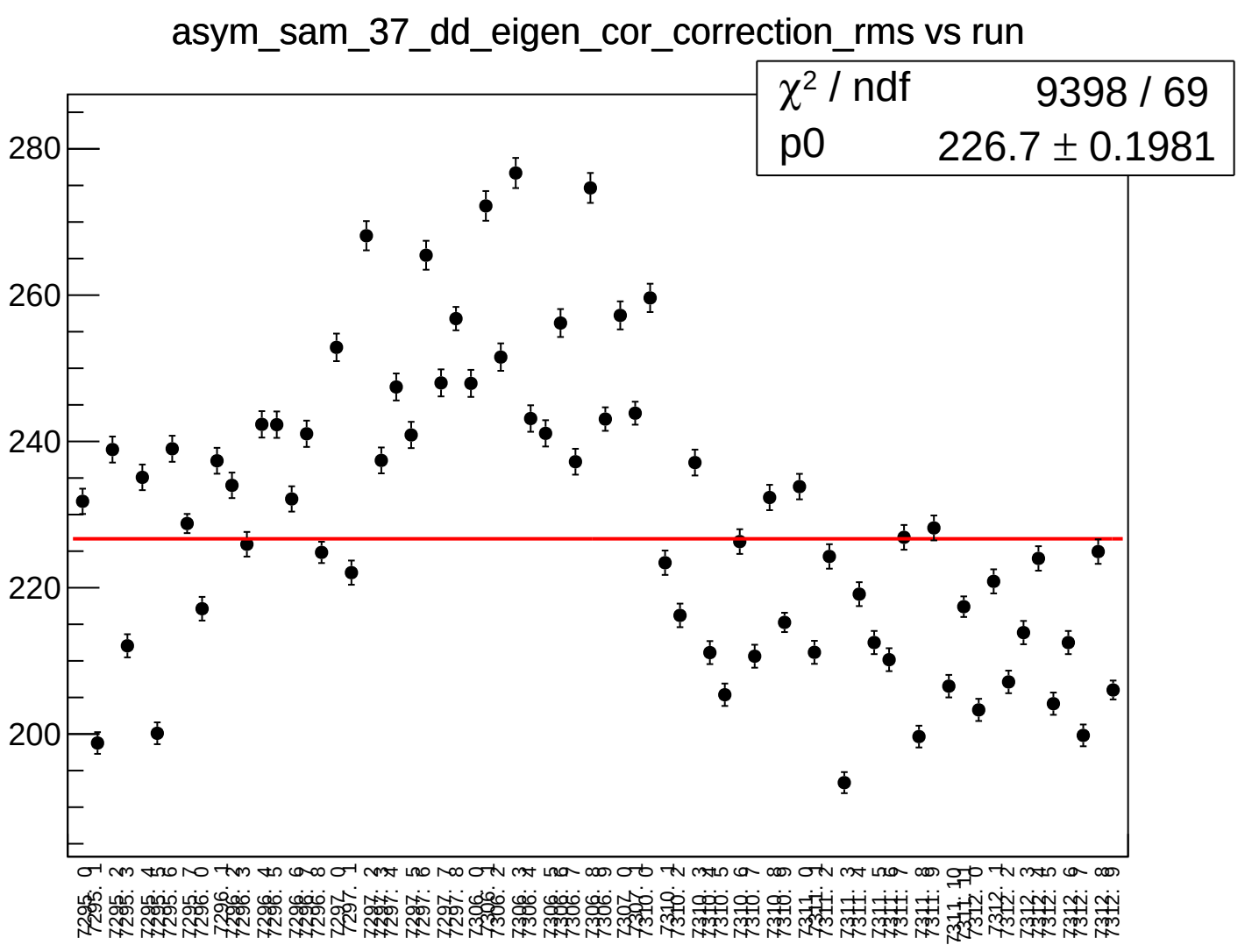

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 60.34 / 69
p0 3.889 ± 53.35
pull
Entries 70
Mean −70.37
Std Dev 0

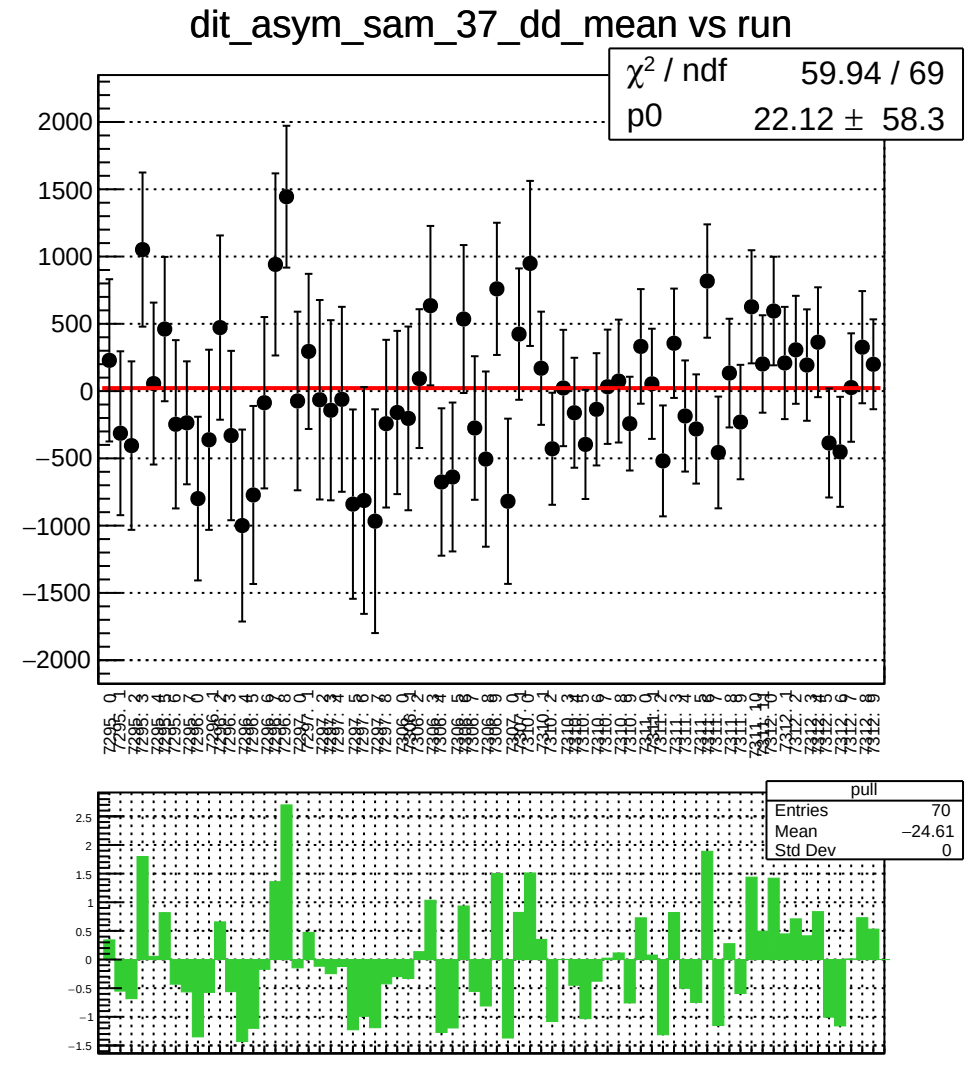

pull1D
Entries 70
Mean −0.0288
Std Dev 0.928

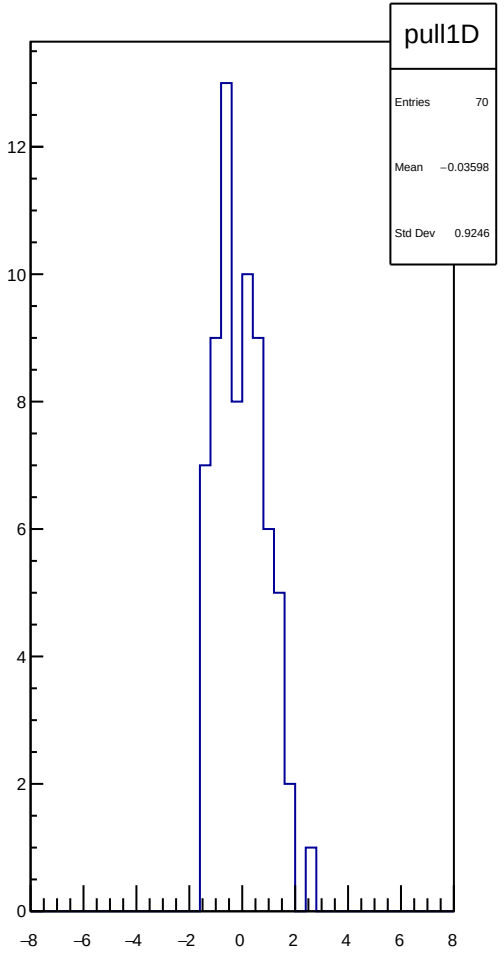

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.728e+04 / 69
p0 42.88 ± 0.03773
55
50
45
40
35

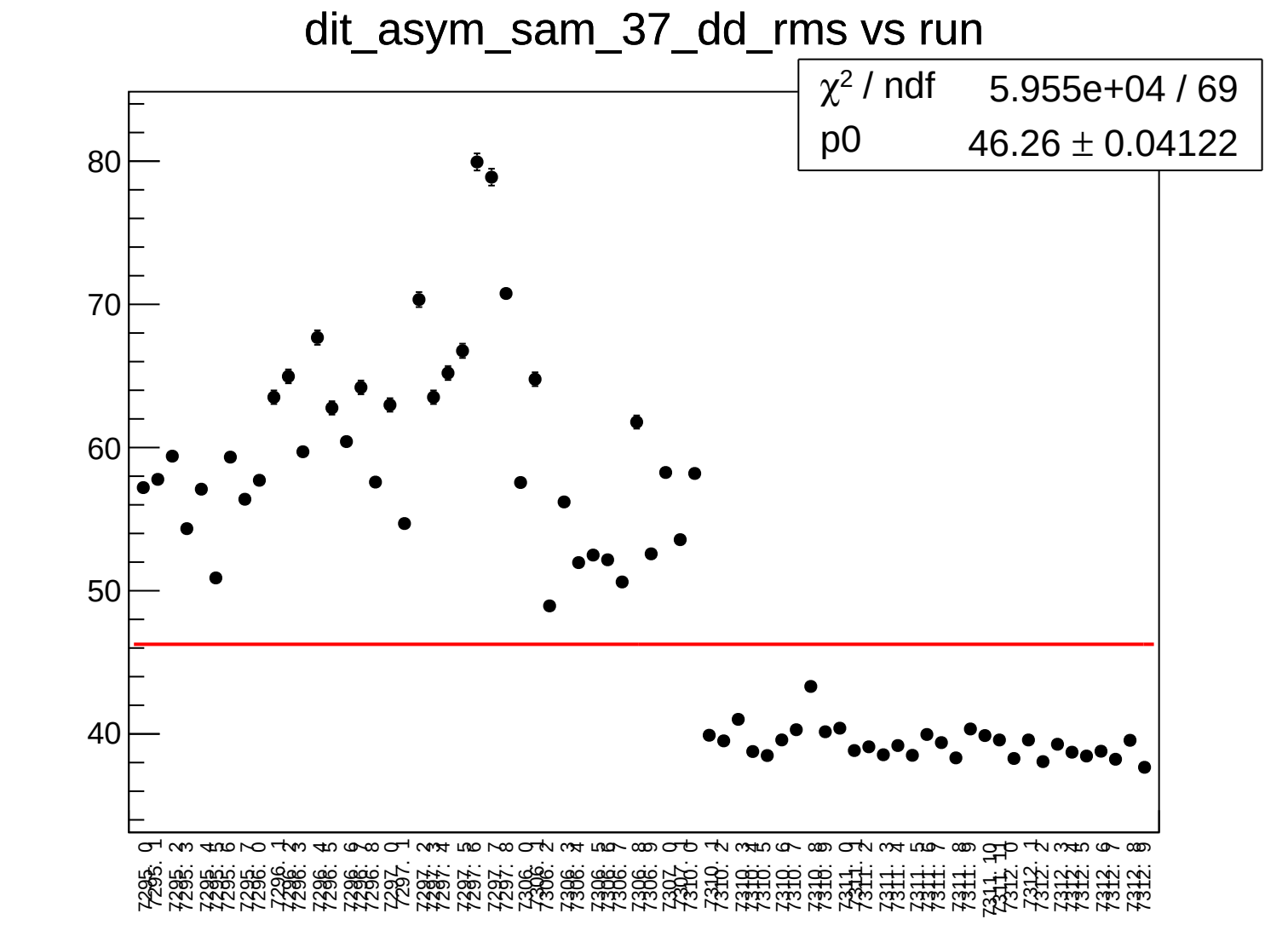

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.47 / 69
p0 −473.3 ± 280.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −1419
Std Dev 0
3
2
1
0
−1
−2
−3

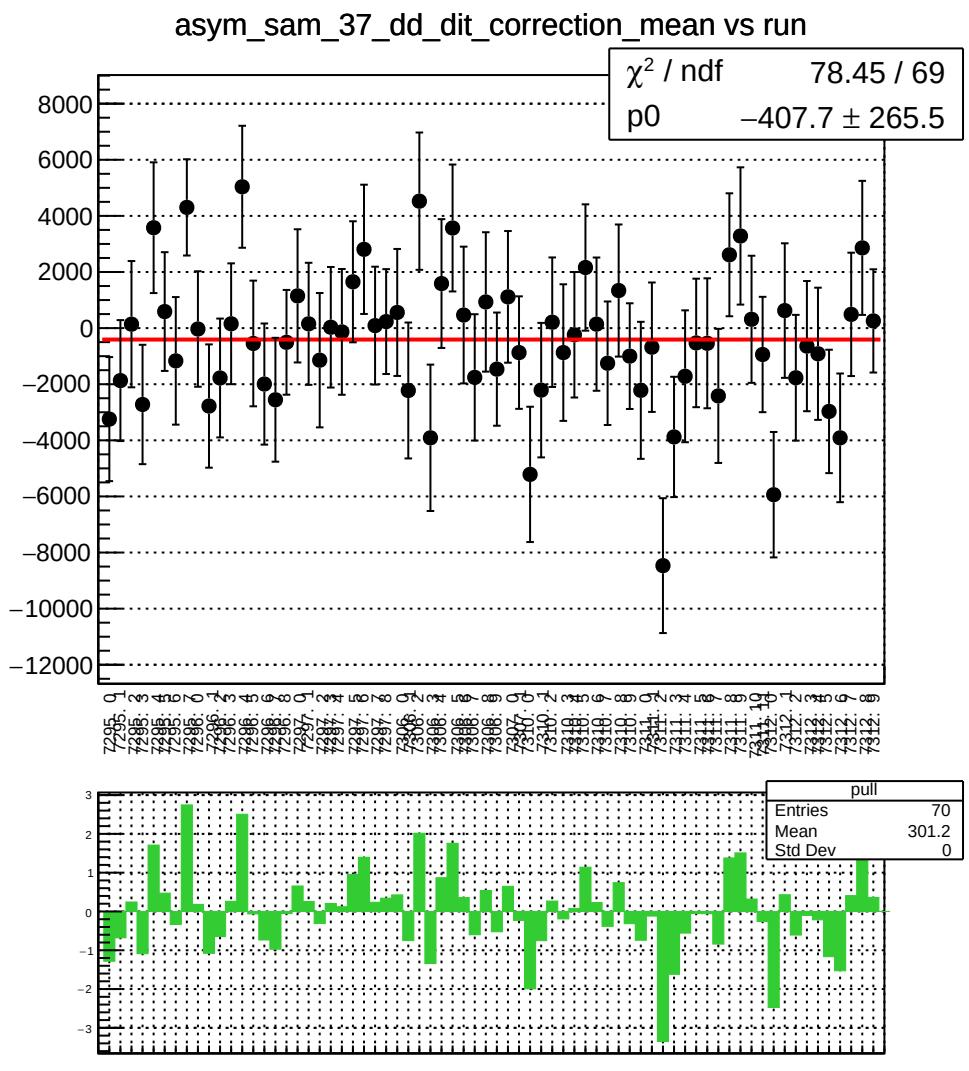

pull1D
Entries 70
Mean 0.002151
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

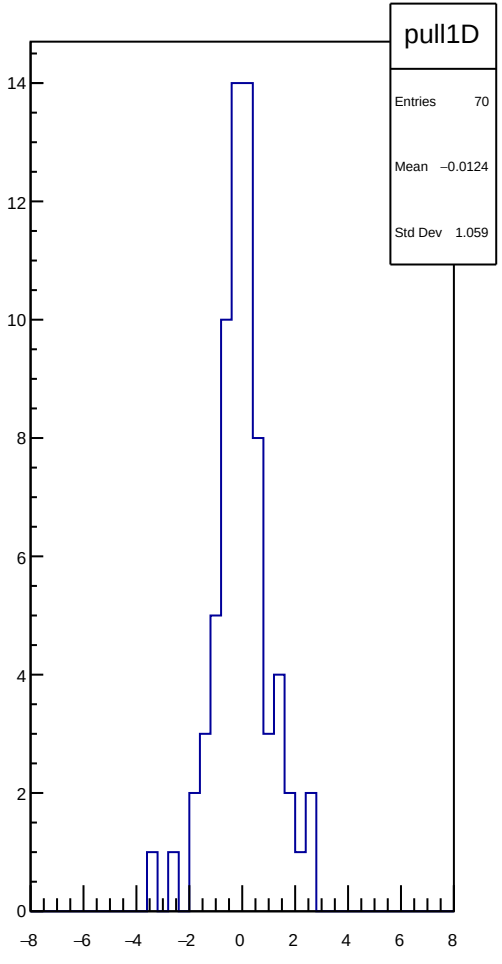

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 9398 / 69
p0 226.7 ± 0.1981
280
260
240
220
200

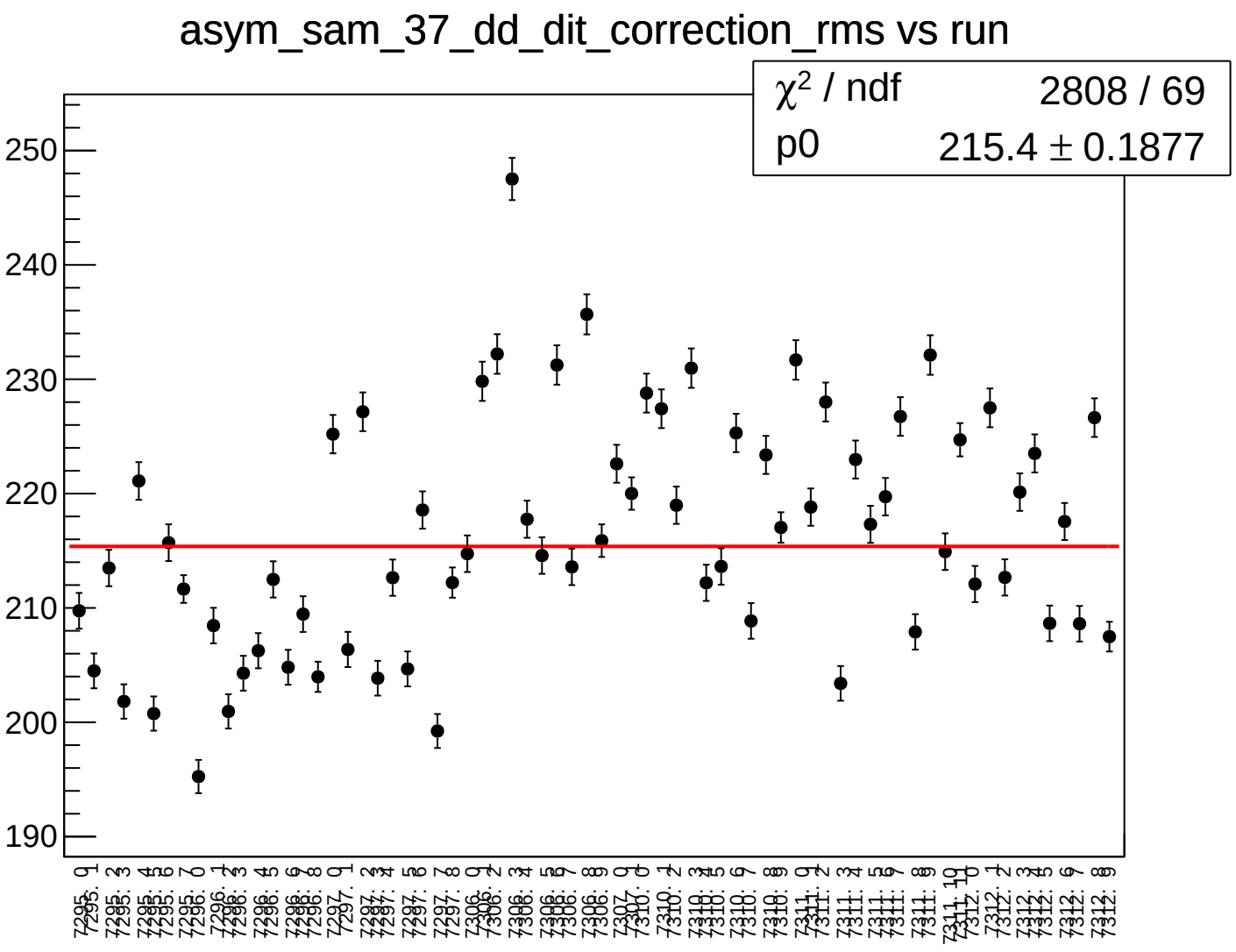

dit_asym_sam_37_dd_mean vs run
χ² / ndf 59.94 / 69
p0 22.12 ± 58.3
pull
Entries 70
Mean −24.61
Std Dev 0

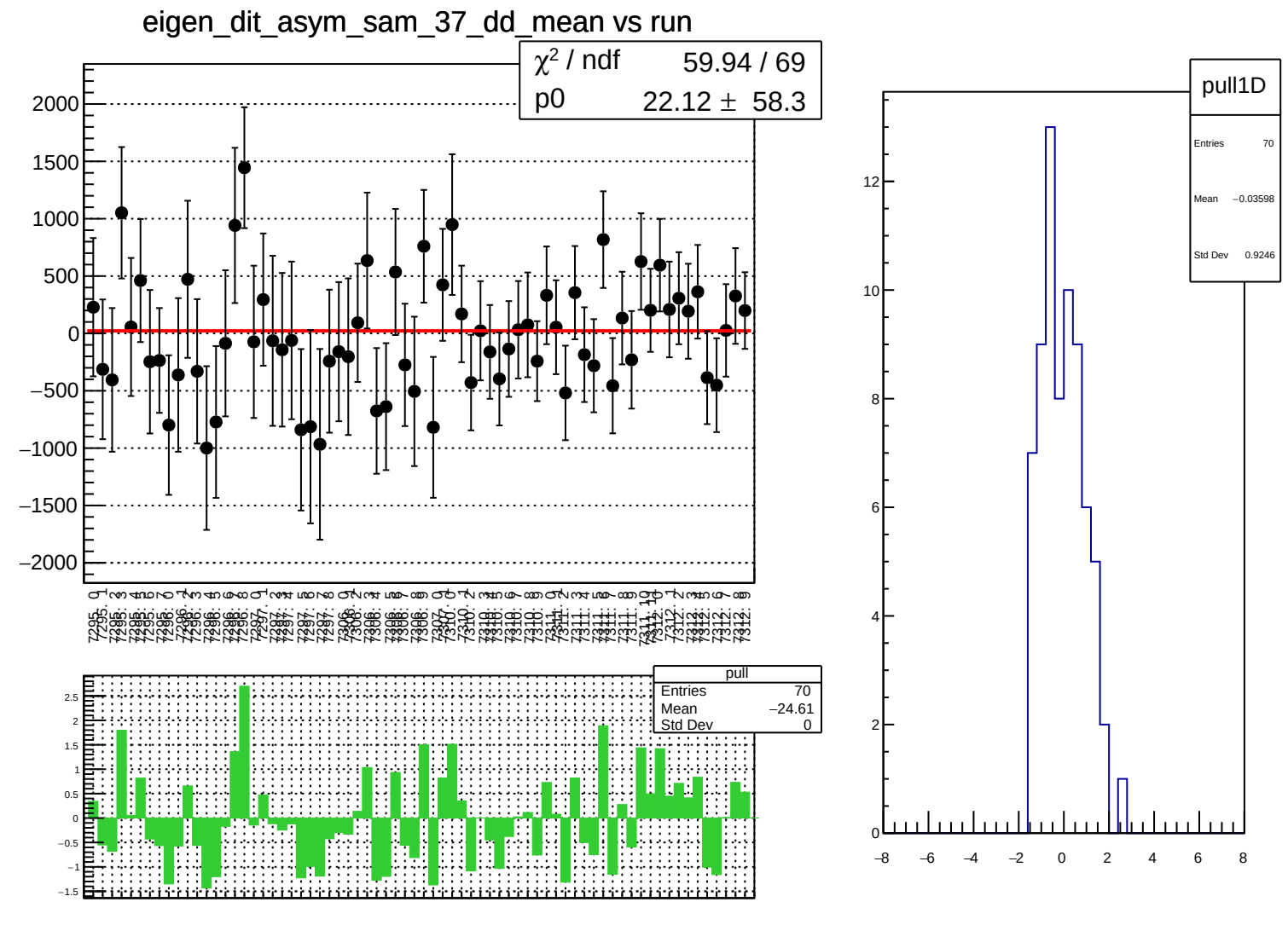

pull1D
Entries 70
Mean −0.03598
Std Dev 0.9246

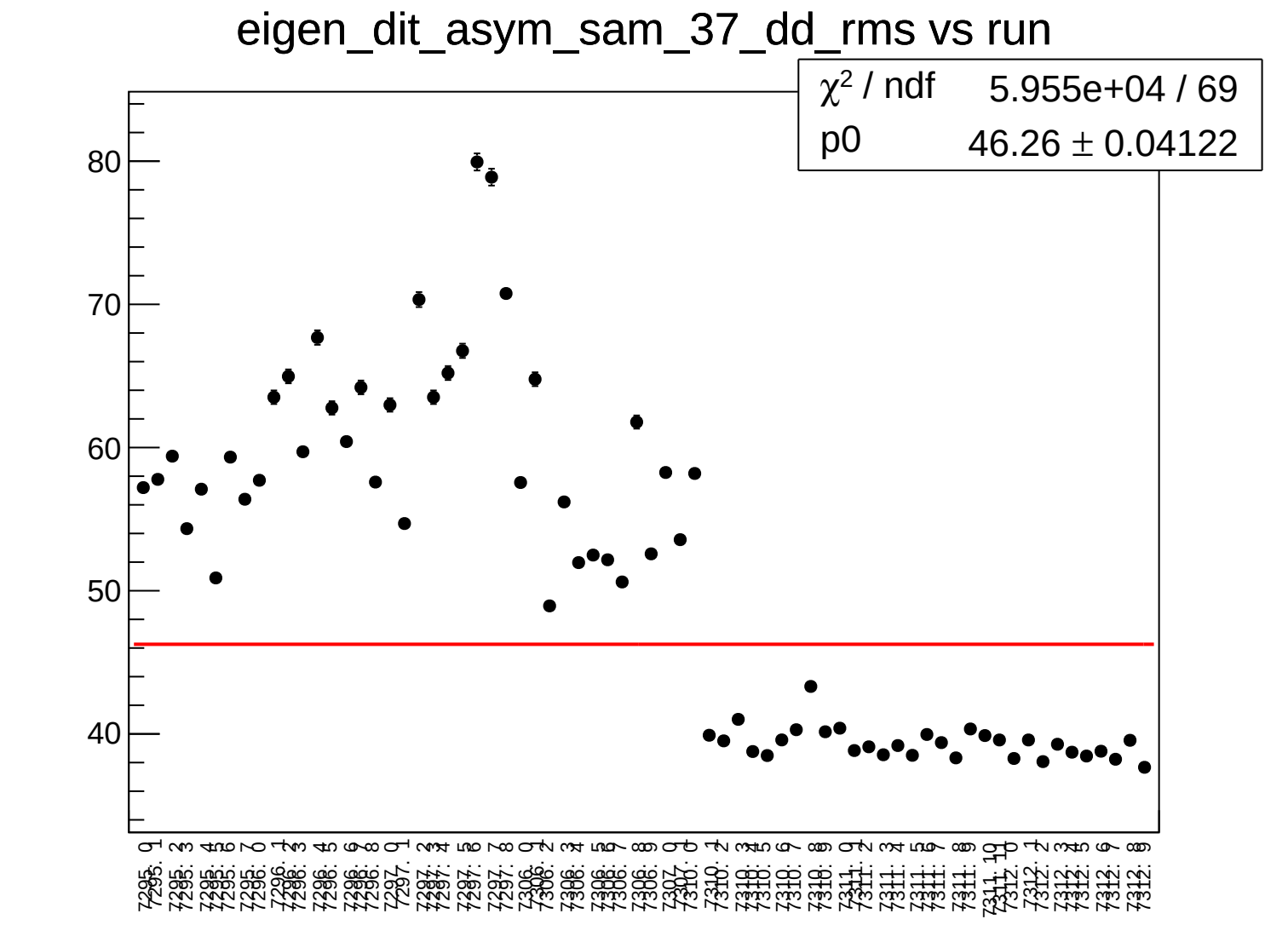

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5.955e+04 / 69
p0 46.26 ± 0.04122
80
70
60
50
40

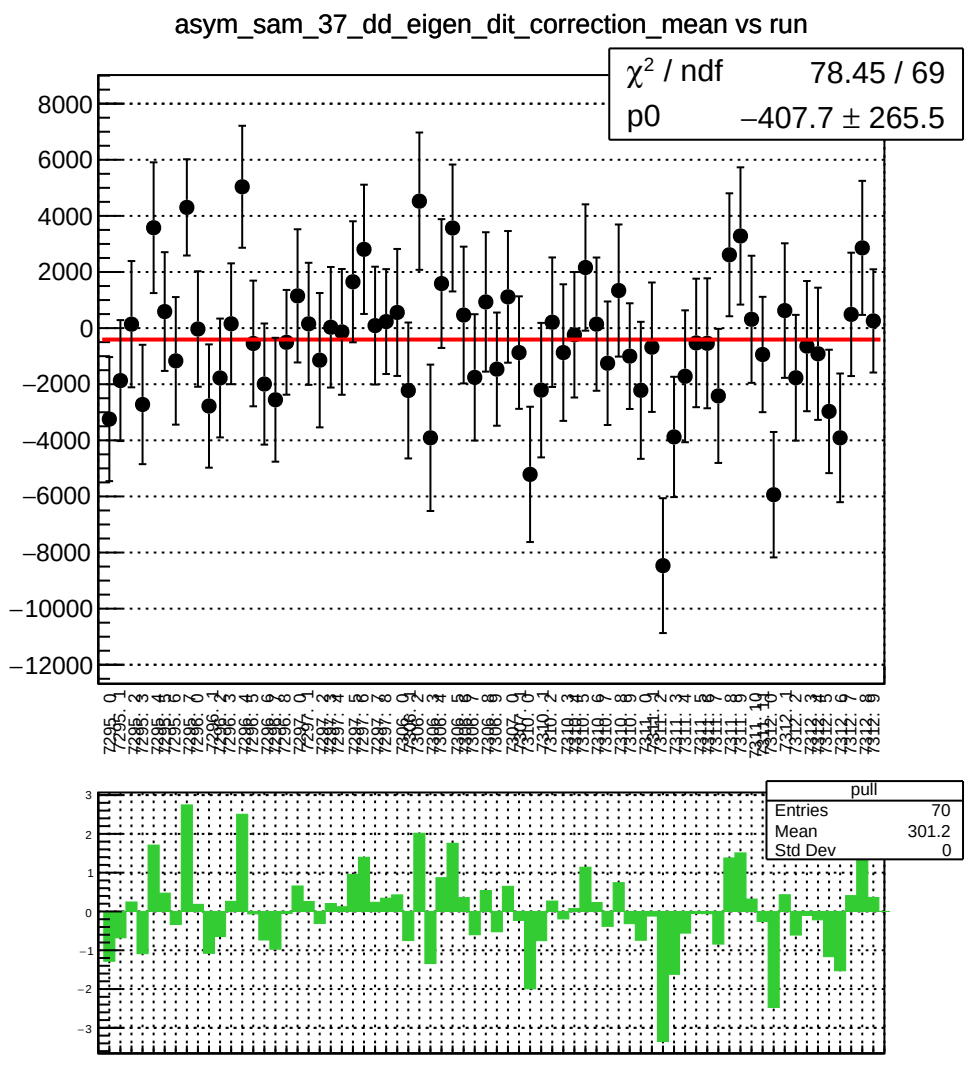

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 78.45 / 69
p0 −407.7 ± 265.5
pull
Entries 70
Mean 301.2
Std Dev 0

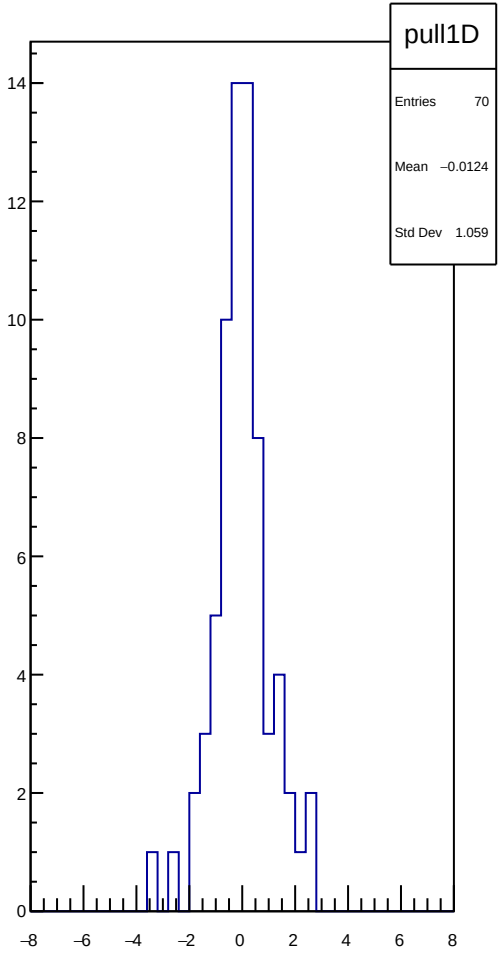

pull1D
Entries 70
Mean −0.0124
Std Dev 1.059

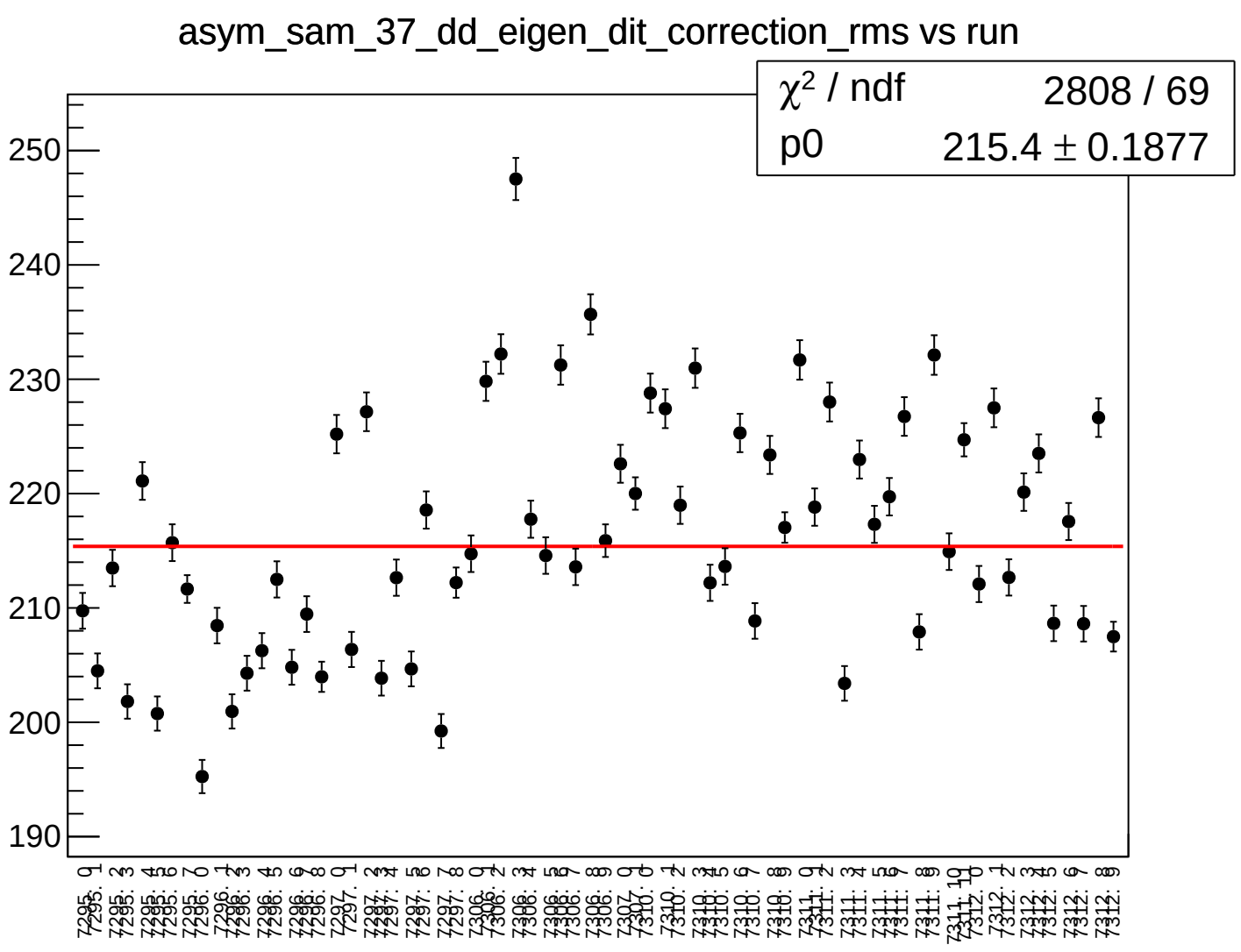

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 2808 / 69
p0 215.4 ± 0.1877
250
240
230
220
210
200
190

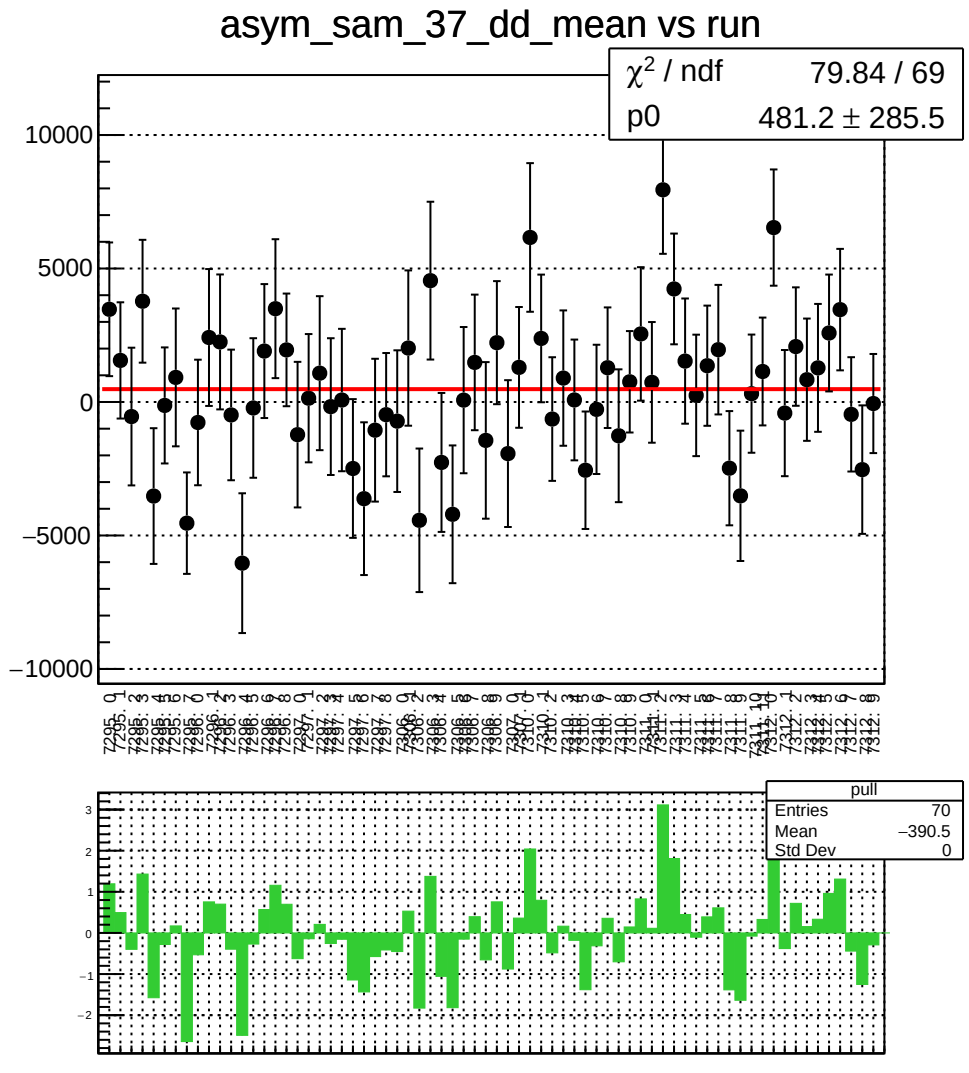

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 59.94 / 69
p0 22.12 ± 58.3
pull
Entries 70
Mean −24.61
Std Dev 0
pull1D
Entries 70
Mean −0.03598
Std Dev 0.9246

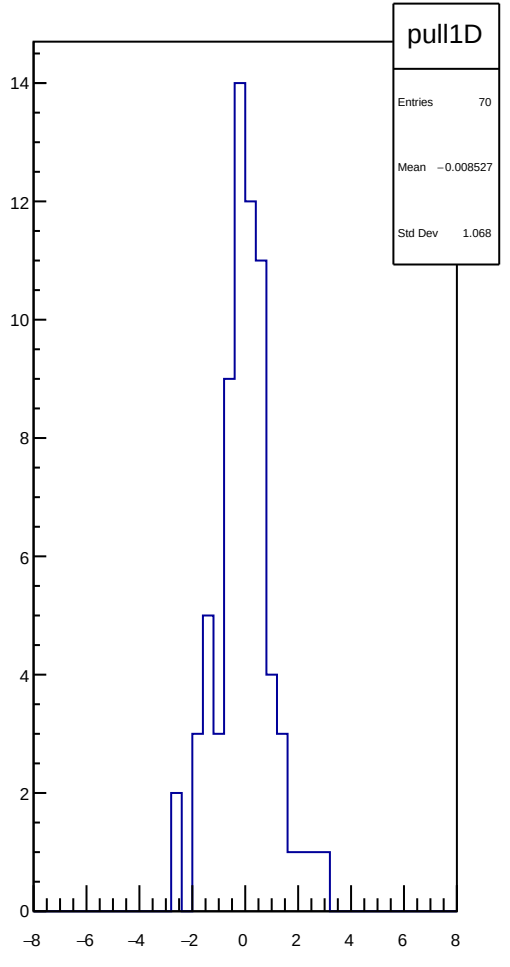

eigen_dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5.955e+04 / 69
p0 46.26 ± 0.04122
80
70
60
50
40

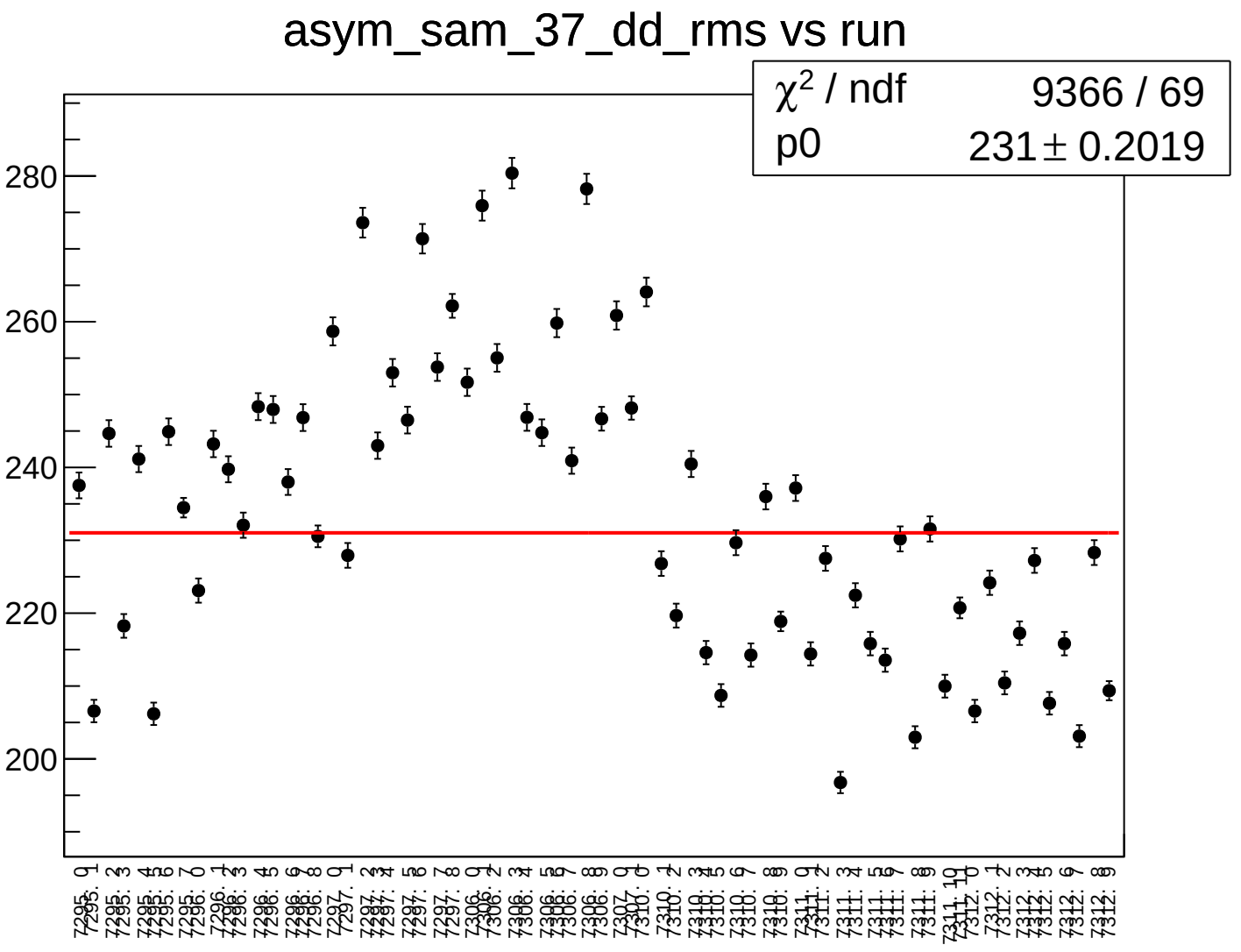

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.45 / 69
p0 −407.7 ± 265.5
pull
Entries 70
Mean 301.2
Std Dev 0

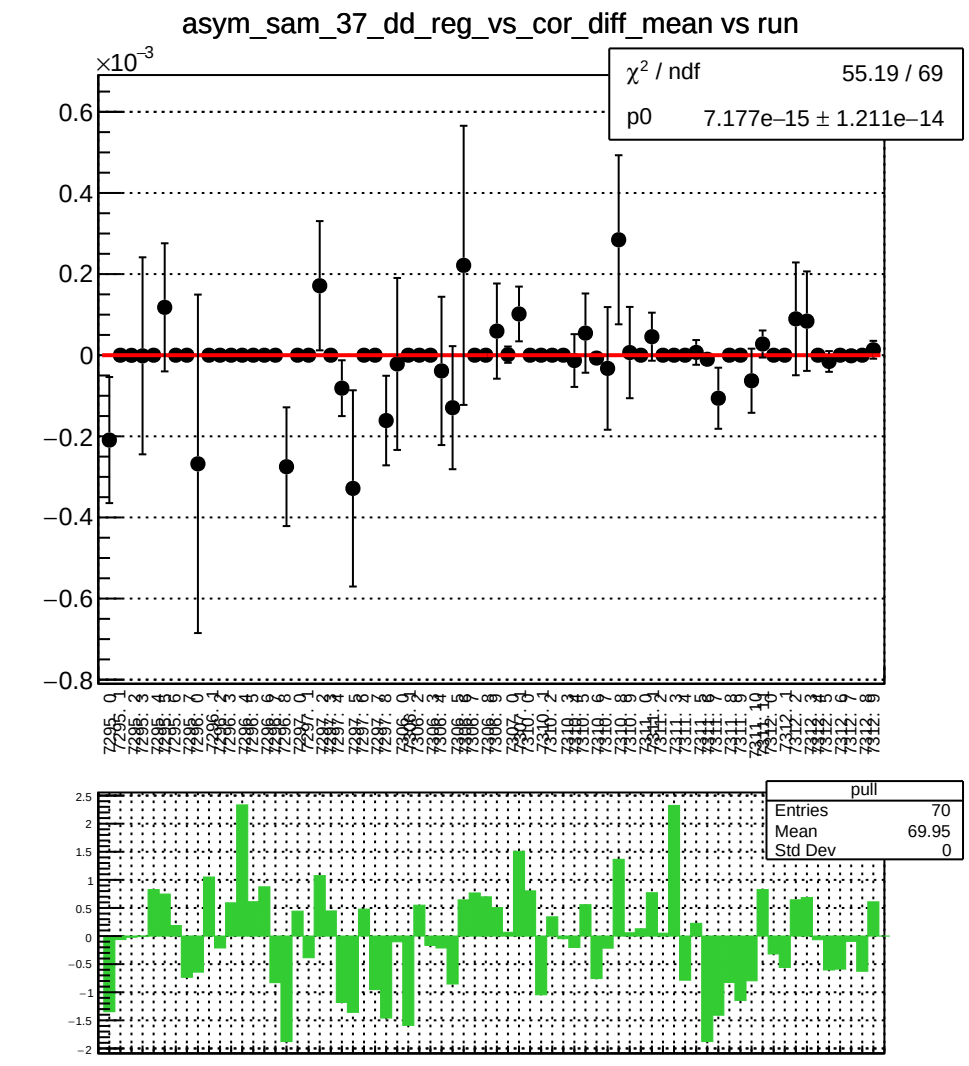

pull1D
Entries 70
Mean −0.0124
Std Dev 1.059

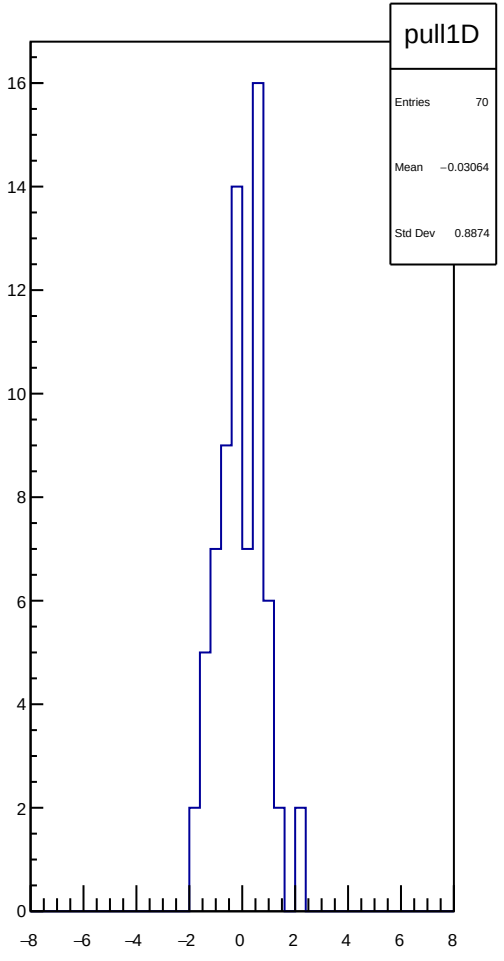

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2808 / 69
p0 215.4 ± 0.1877
250
240
230
220
210
200
190

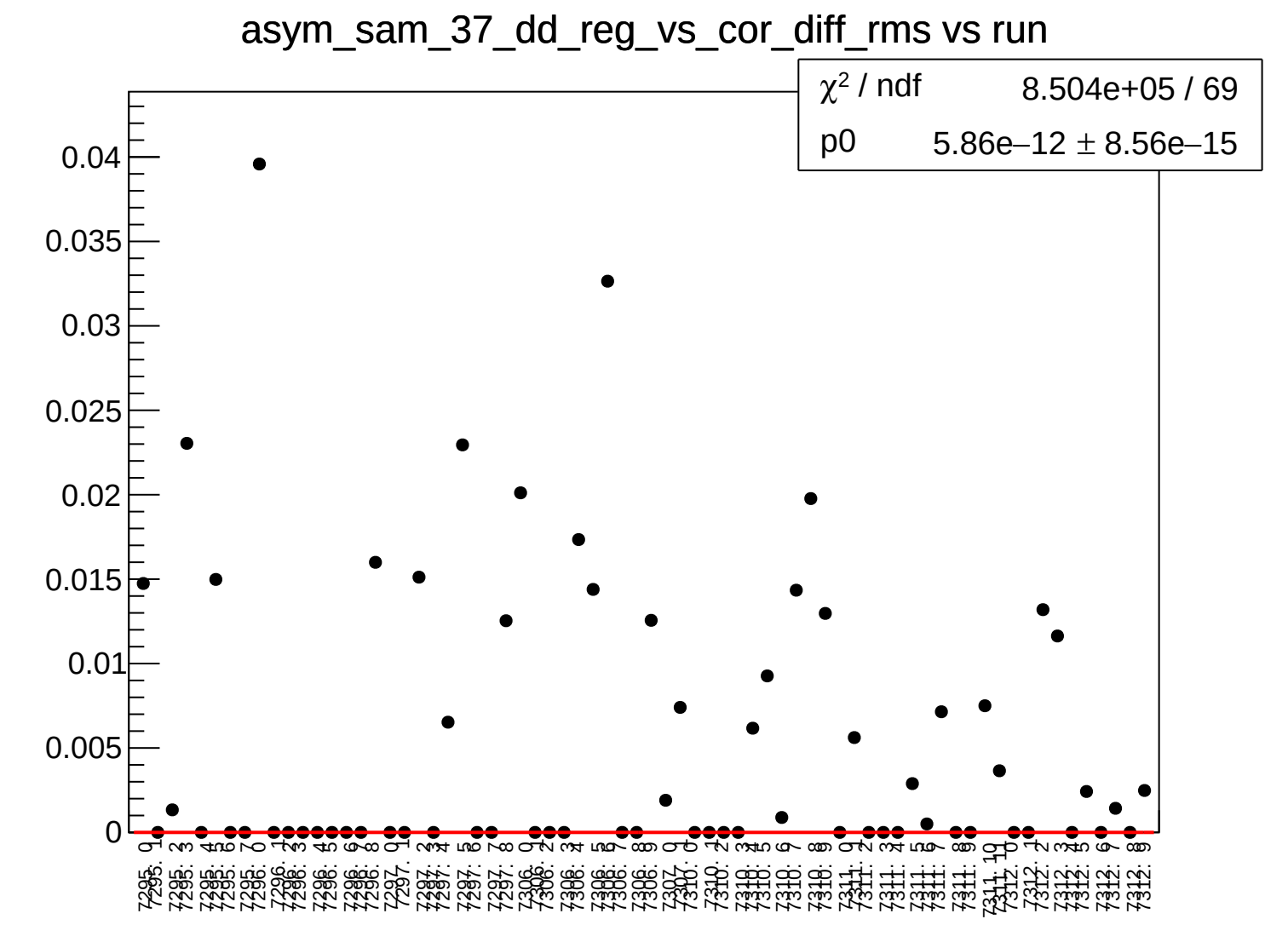

asym_sam_37_dd_mean vs run
χ² / ndf 79.84 / 69
p0 481.2 ± 285.5
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −390.5
Std Dev 0
3
2
1
0
−1
−2

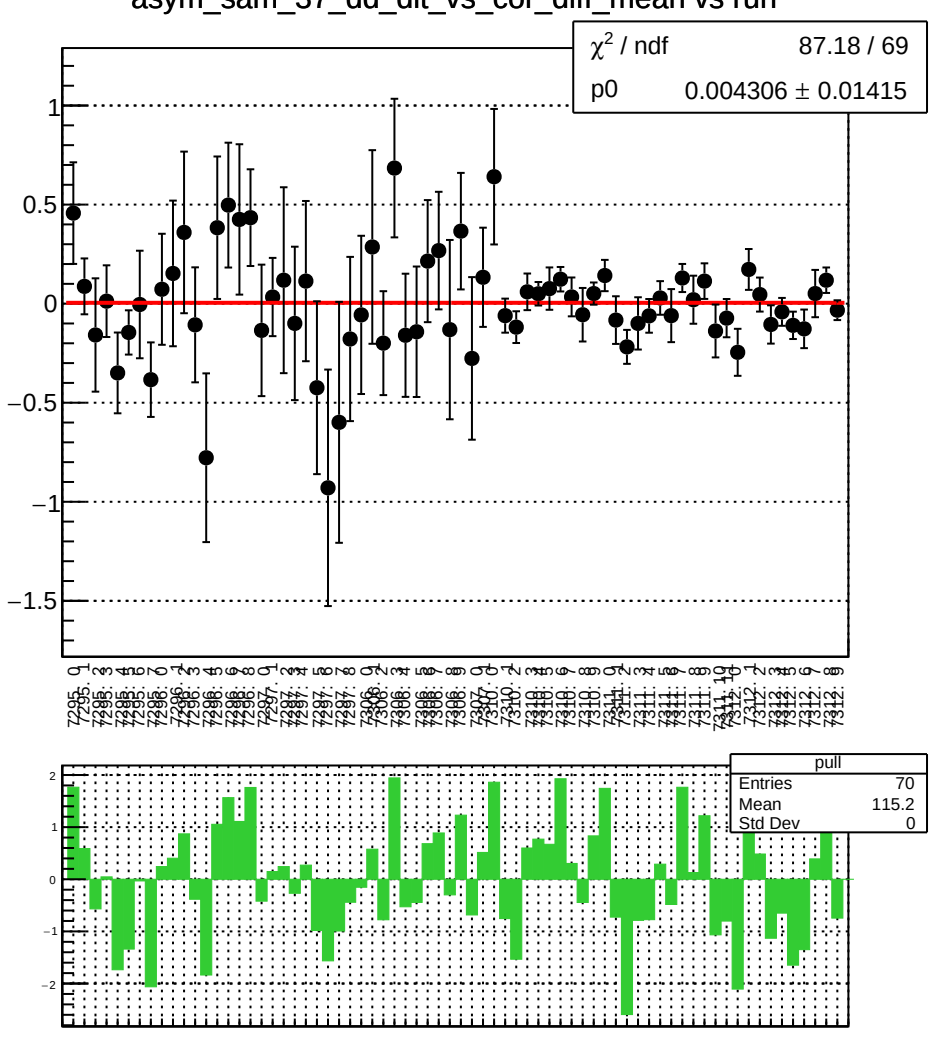

pull1D
Entries 70
Mean −0.008527
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

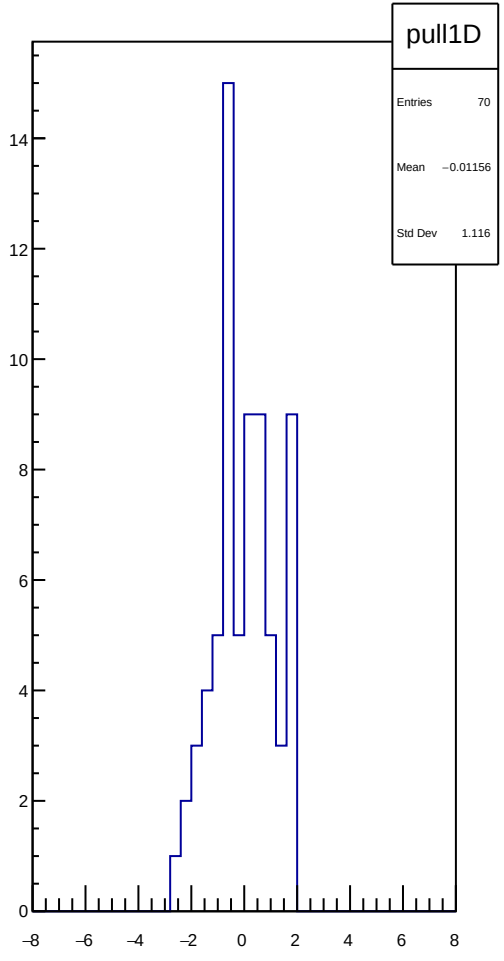

asym_sam_37_dd_rms vs run
χ^2 / ndf 9366 / 69
p0 231 ± 0.2019
280
260
240
220
200

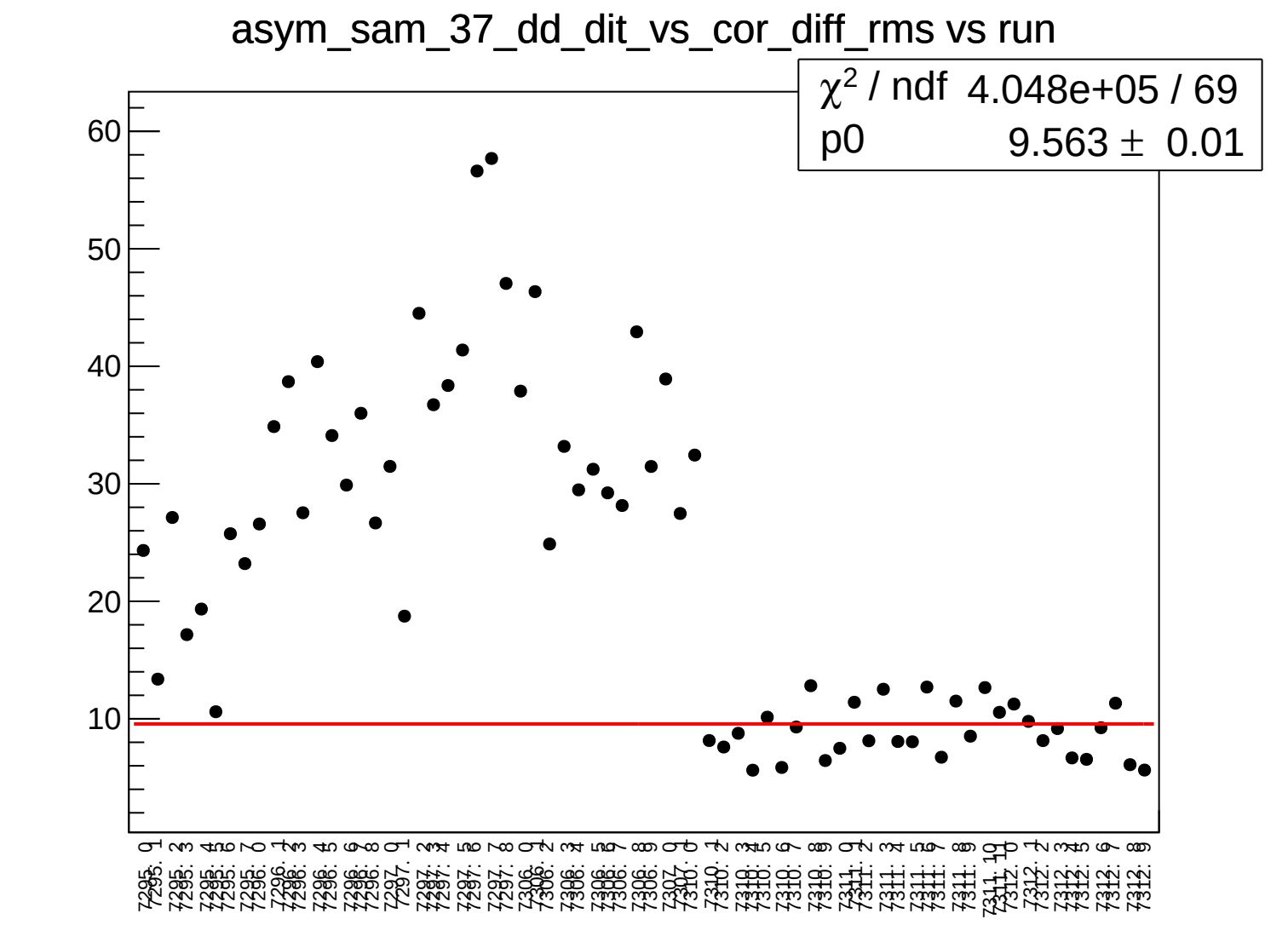

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.19 / 69
p0 7.177e−15 ± 1.211e−14
pull
Entries 70
Mean 69.95
Std Dev 0

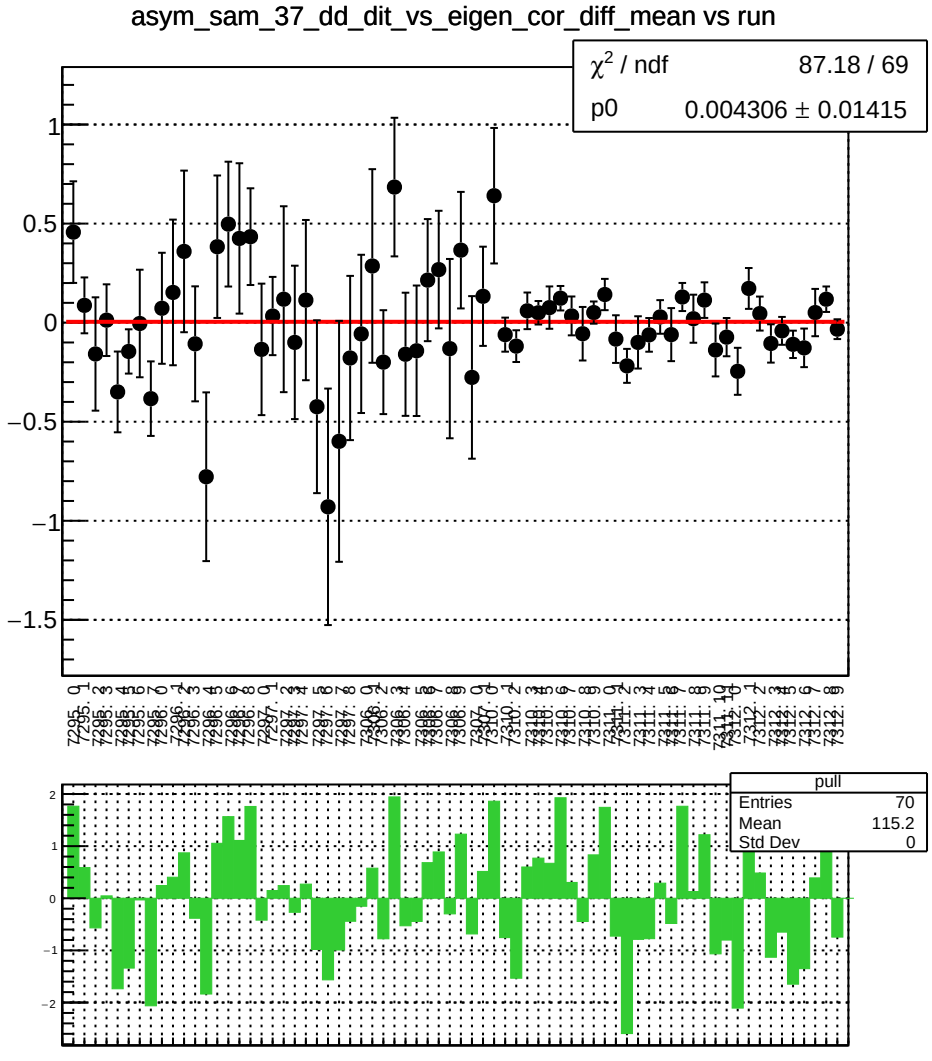

pull1D
Entries 70
Mean −0.03064
Std Dev 0.8874

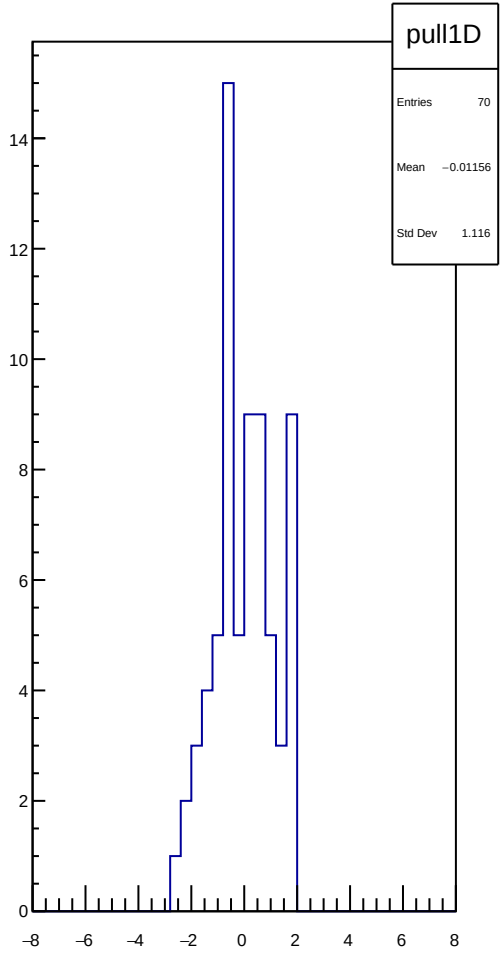

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.504e+05 / 69
p0 5.86e−12 ± 8.56e−15
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

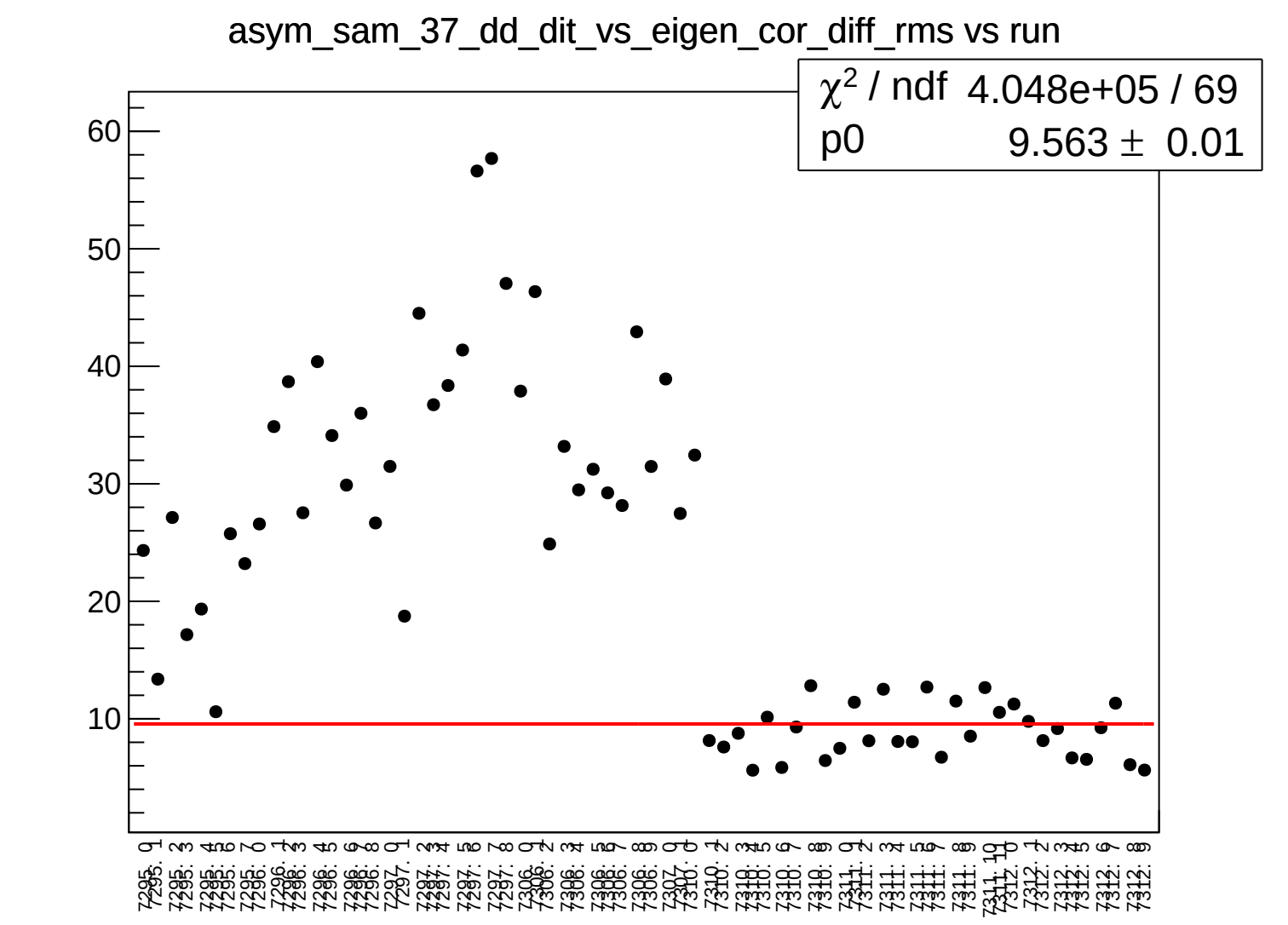

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.18 / 69
p0 0.004306 ± 0.01415
pull
Entries 70
Mean 115.2
Std Dev 0

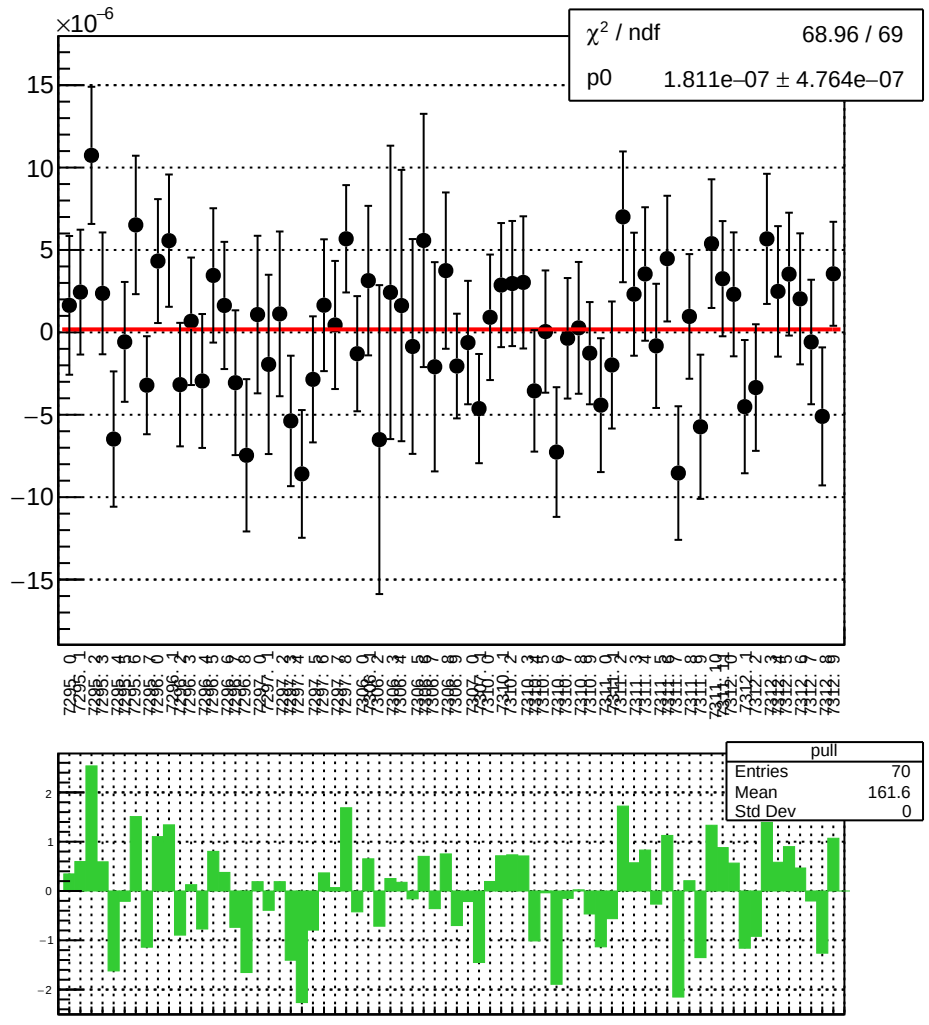

pull1D
Entries 70
Mean −0.01156
Std Dev 1.116

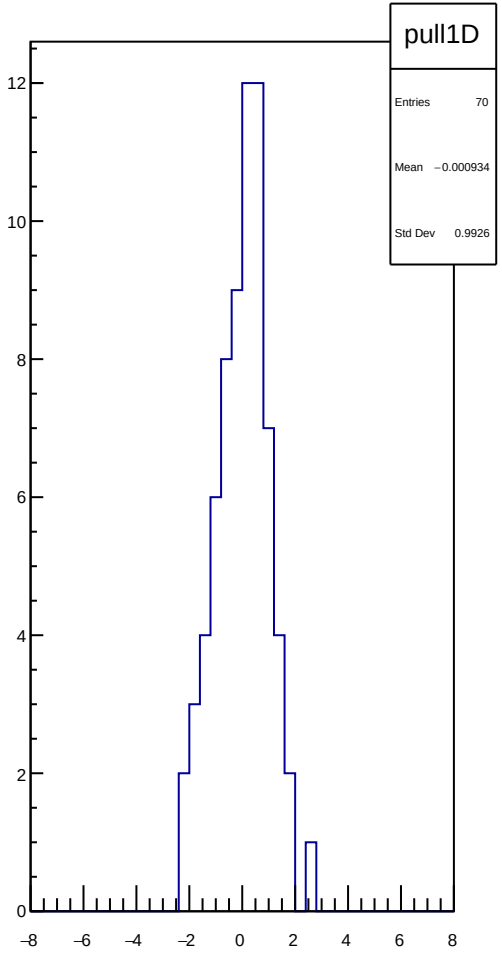

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.048e+05 / 69
p0 9.563 ± 0.01
60
50
40
30
20
10

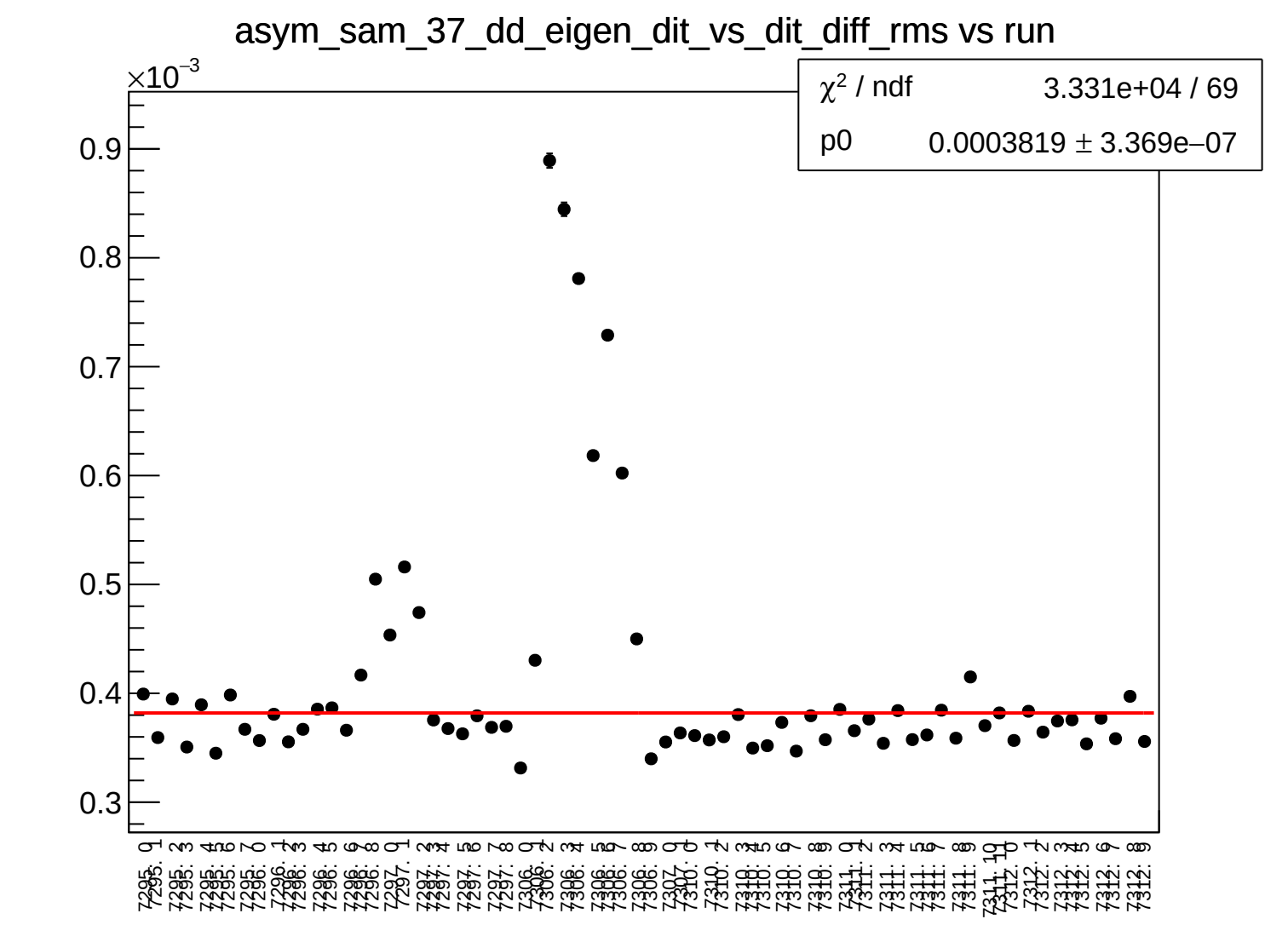

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.18 / 69
p0 0.004306 ± 0.01415
pull
Entries 70
Mean 115.2
Std Dev 0

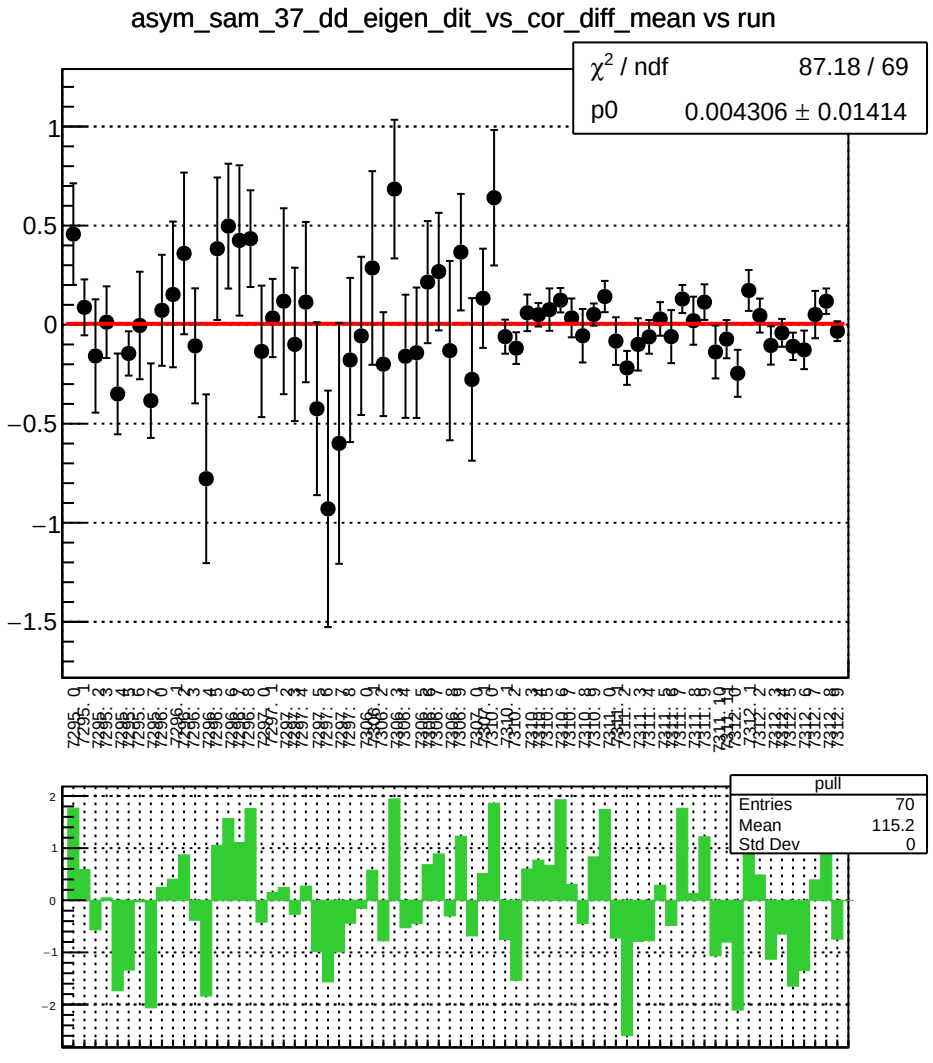

pull1D
Entries 70
Mean −0.01156
Std Dev 1.116

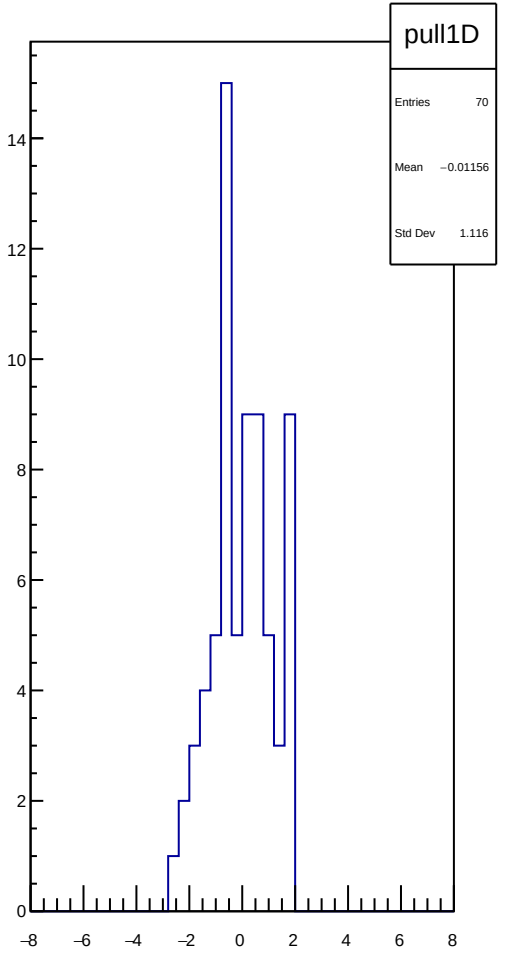

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.048e+05 / 69
p0 9.563 ± 0.01
60
50
40
30
20
10

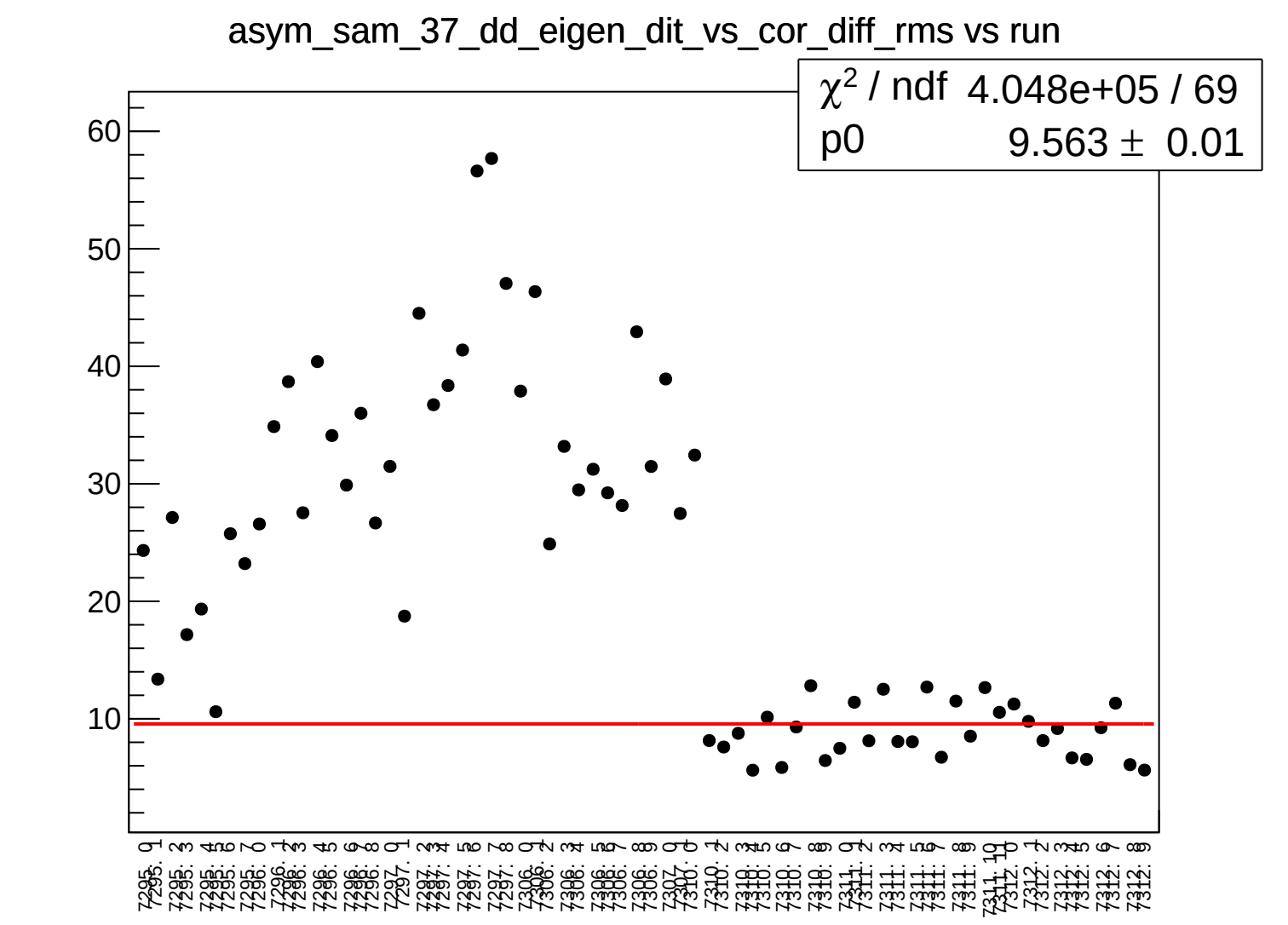

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 68.96 / 69
p0 1.811e−07 ± 4.764e−07
pull
Entries 70
Mean 161.6
Std Dev 0

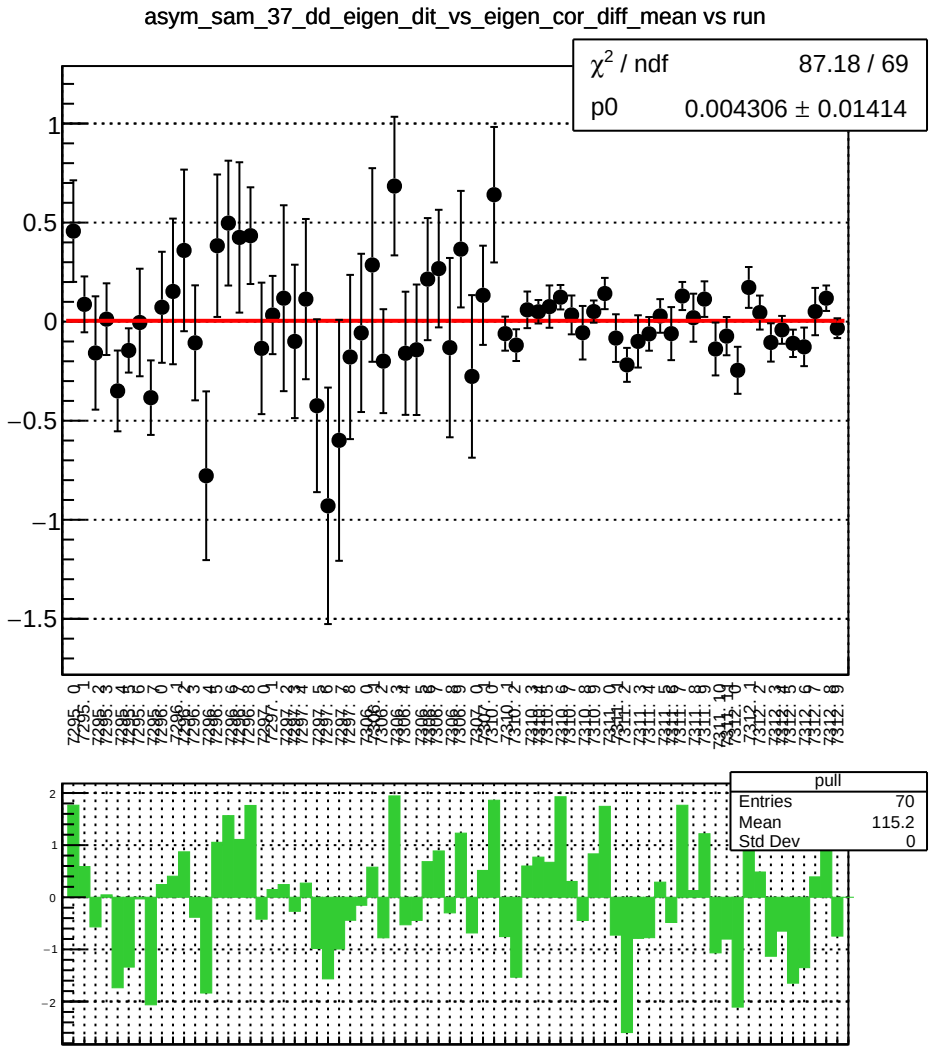

pull1D
Entries 70
Mean −0.000934
Std Dev 0.9926

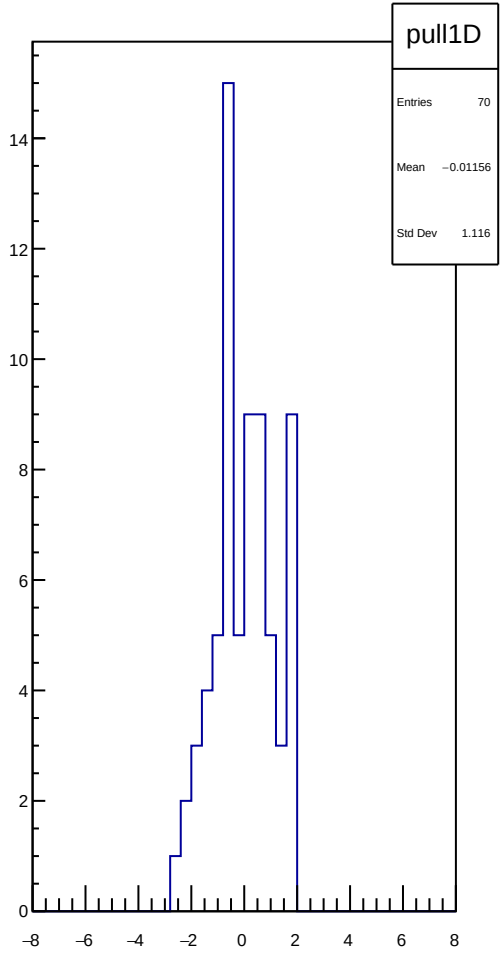

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3.331e+04 / 69
p0 0.0003819 ± 3.369e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3

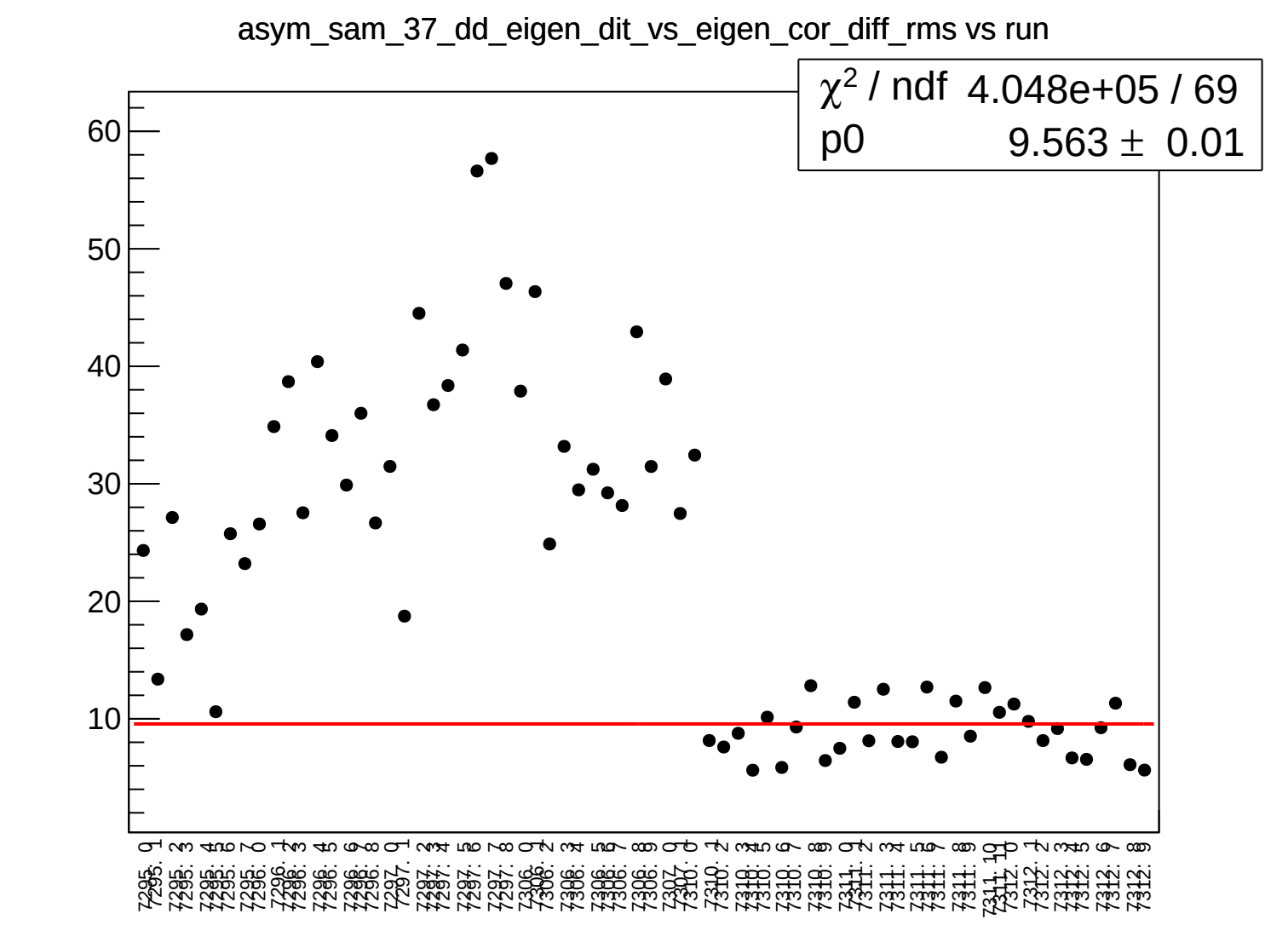

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.18 / 69
p0 0.004306 ± 0.01414
pull
Entries 70
Mean 115.2
Std Dev 0

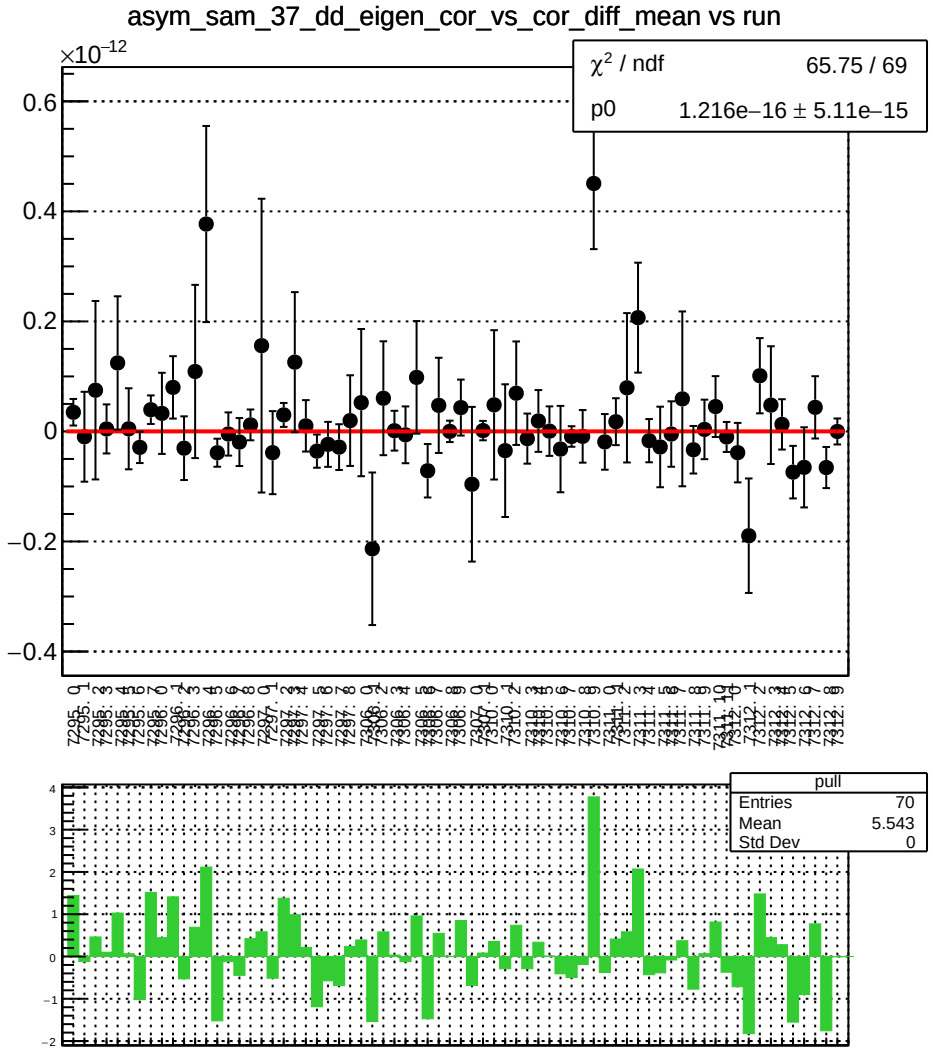

pull1D
Entries 70
Mean −0.01156
Std Dev 1.116

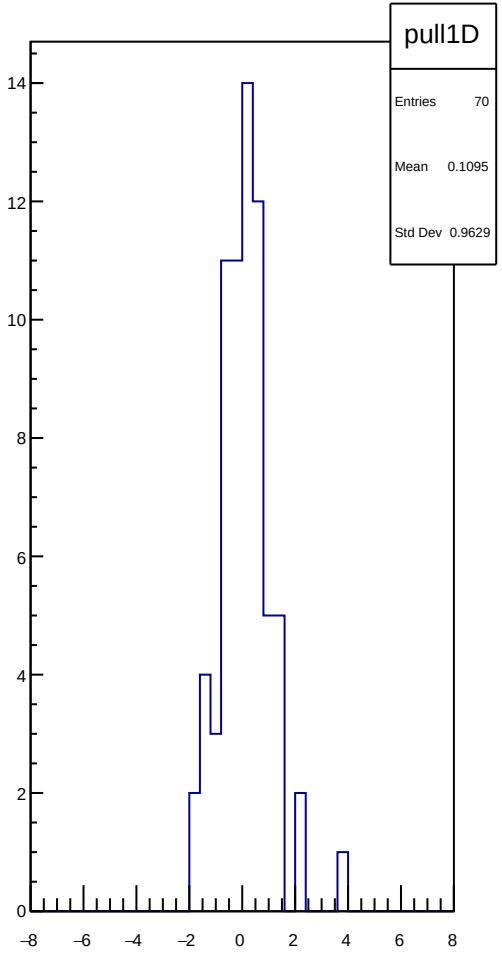

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.048e+05 / 69
p0 9.563 ± 0.01
60
50
40
30
20
10

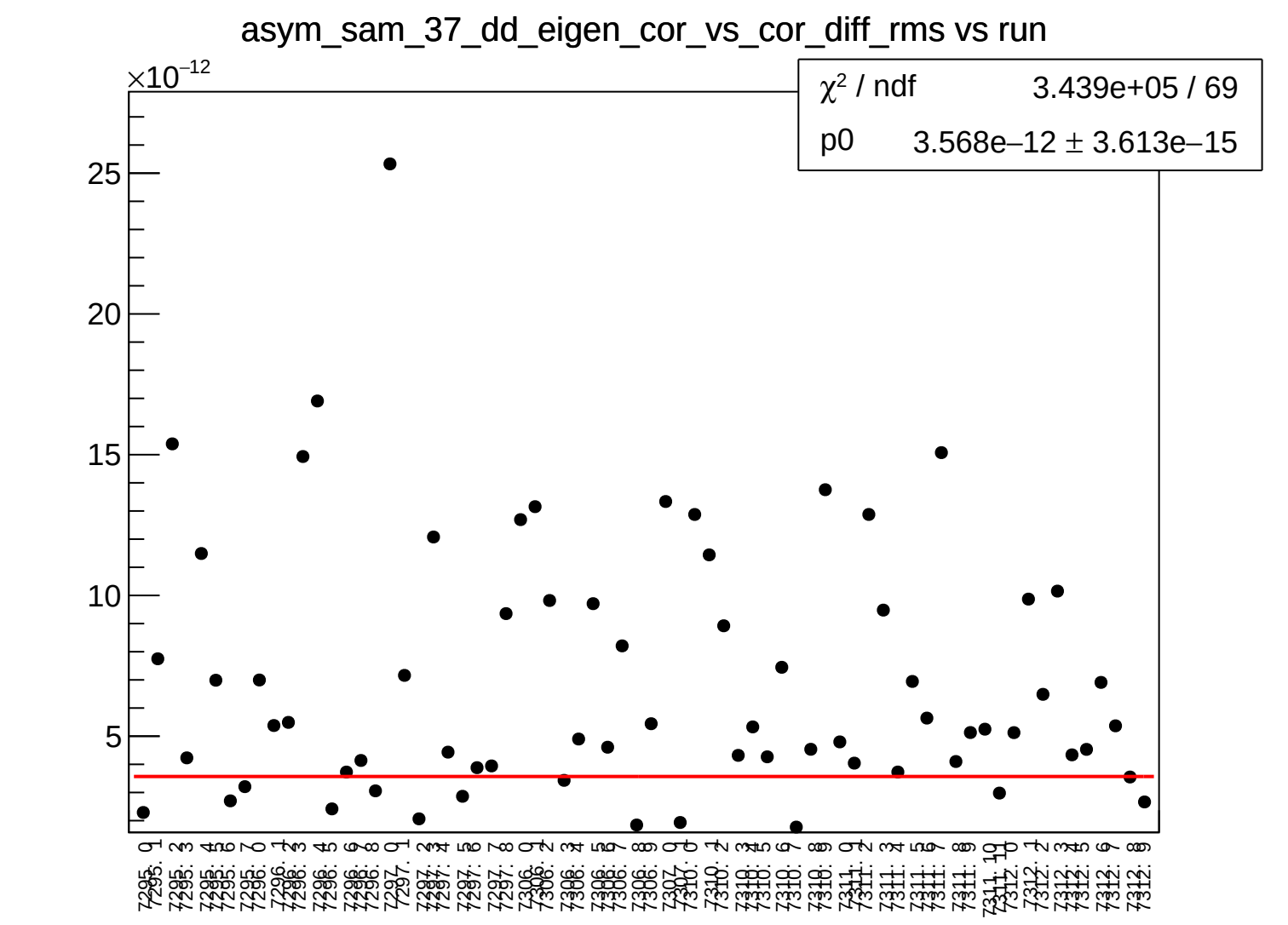

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.18 / 69
p0 0.004306 ± 0.01414
pull
Entries 70
Mean 115.2
Std Dev 0

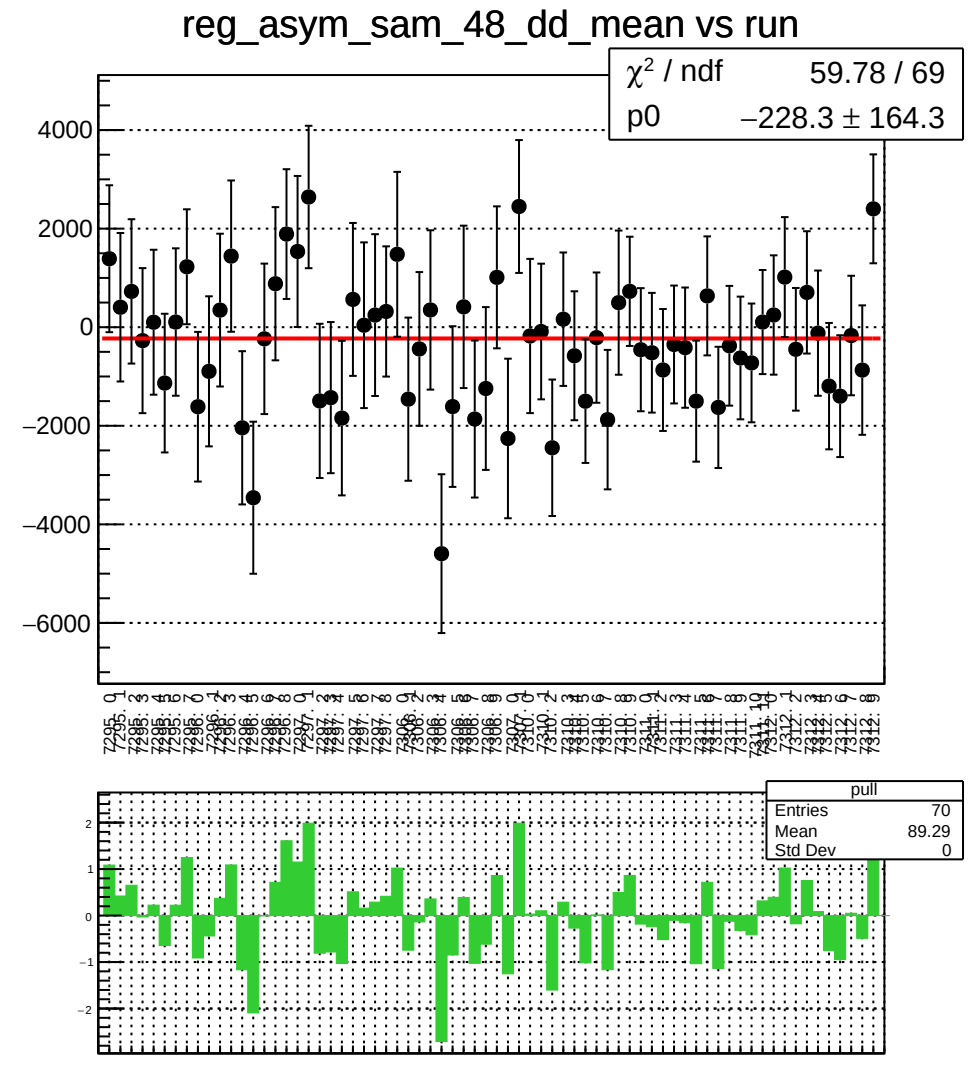

pull1D
Entries 70
Mean −0.01156
Std Dev 1.116

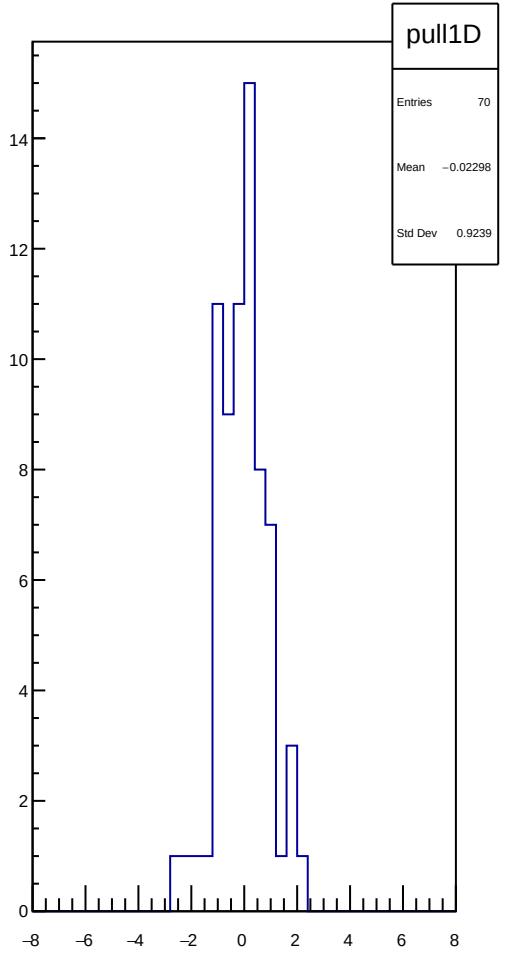

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.048e+05 / 69
p0 9.563 ± 0.01
60
50
40
30
20
10

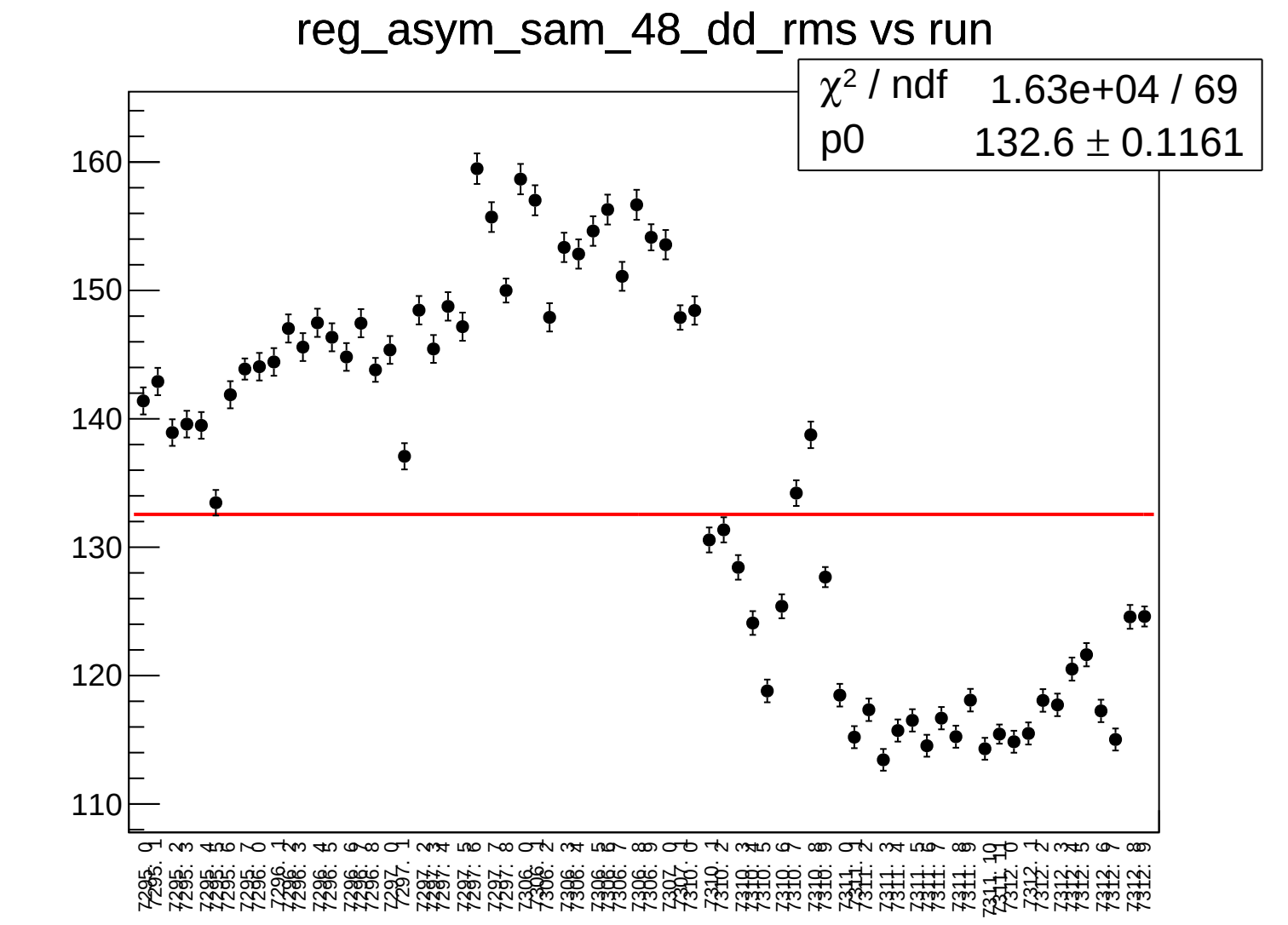

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.75 / 69
p0 1.216e−16 ± 5.11e−15
pull
Entries 70
Mean 5.543
Std Dev 0

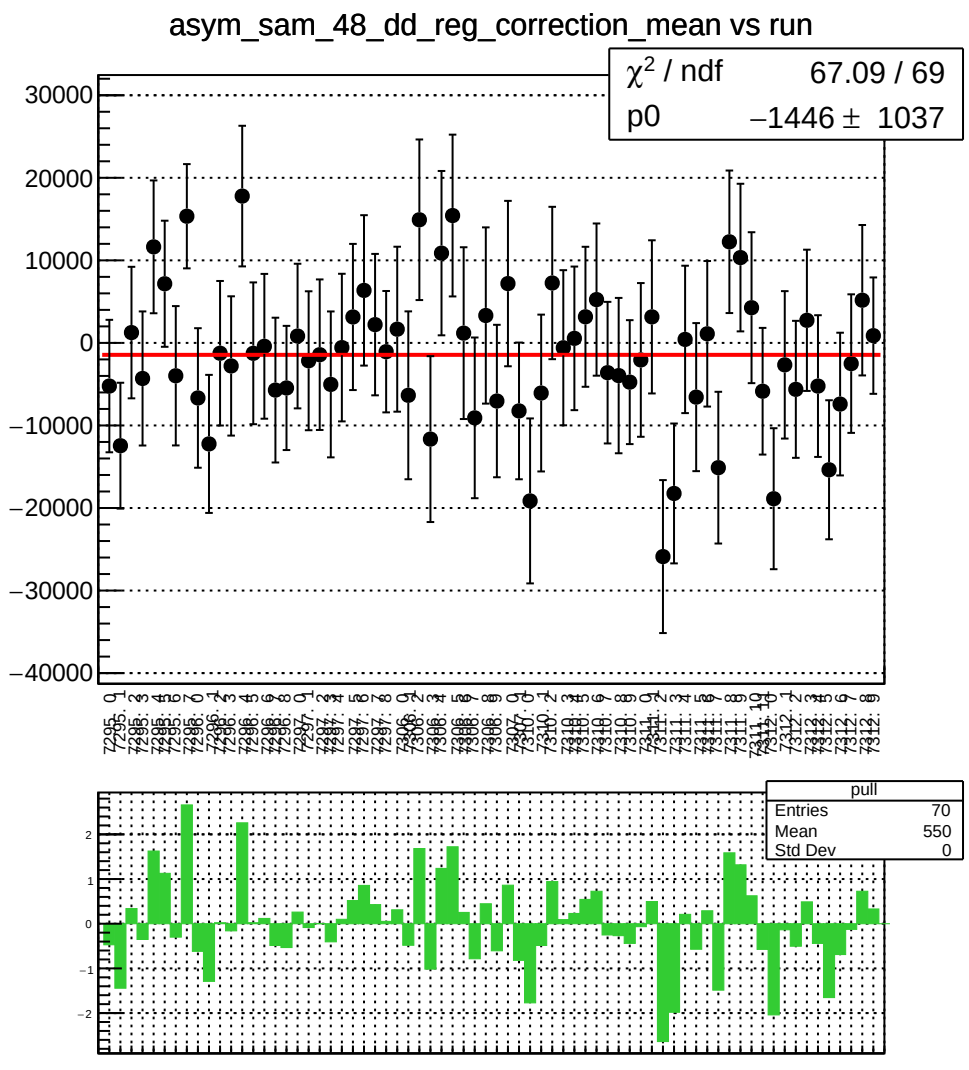

pull1D
Entries 70
Mean 0.1095
Std Dev 0.9629

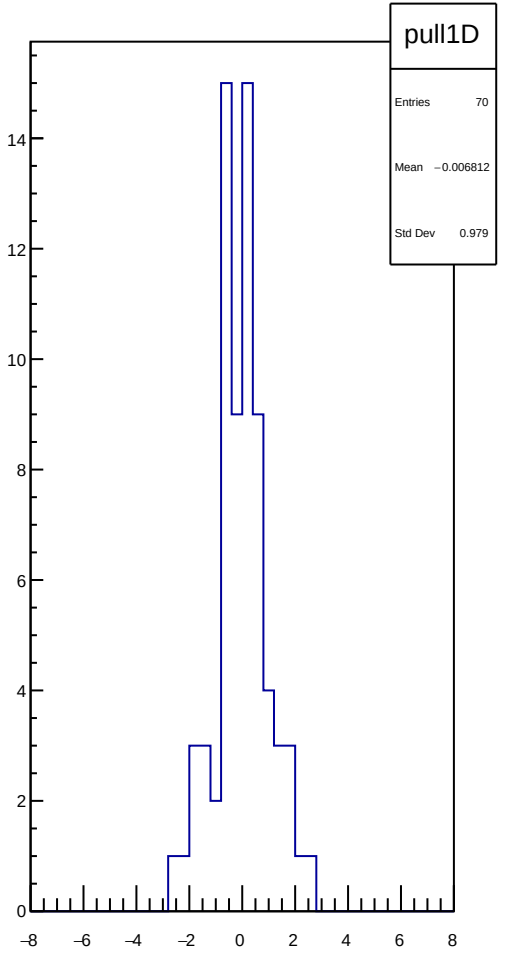

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.439e+05 / 69
p0 3.568e−12 ± 3.613e−15
25
20
15
10
5

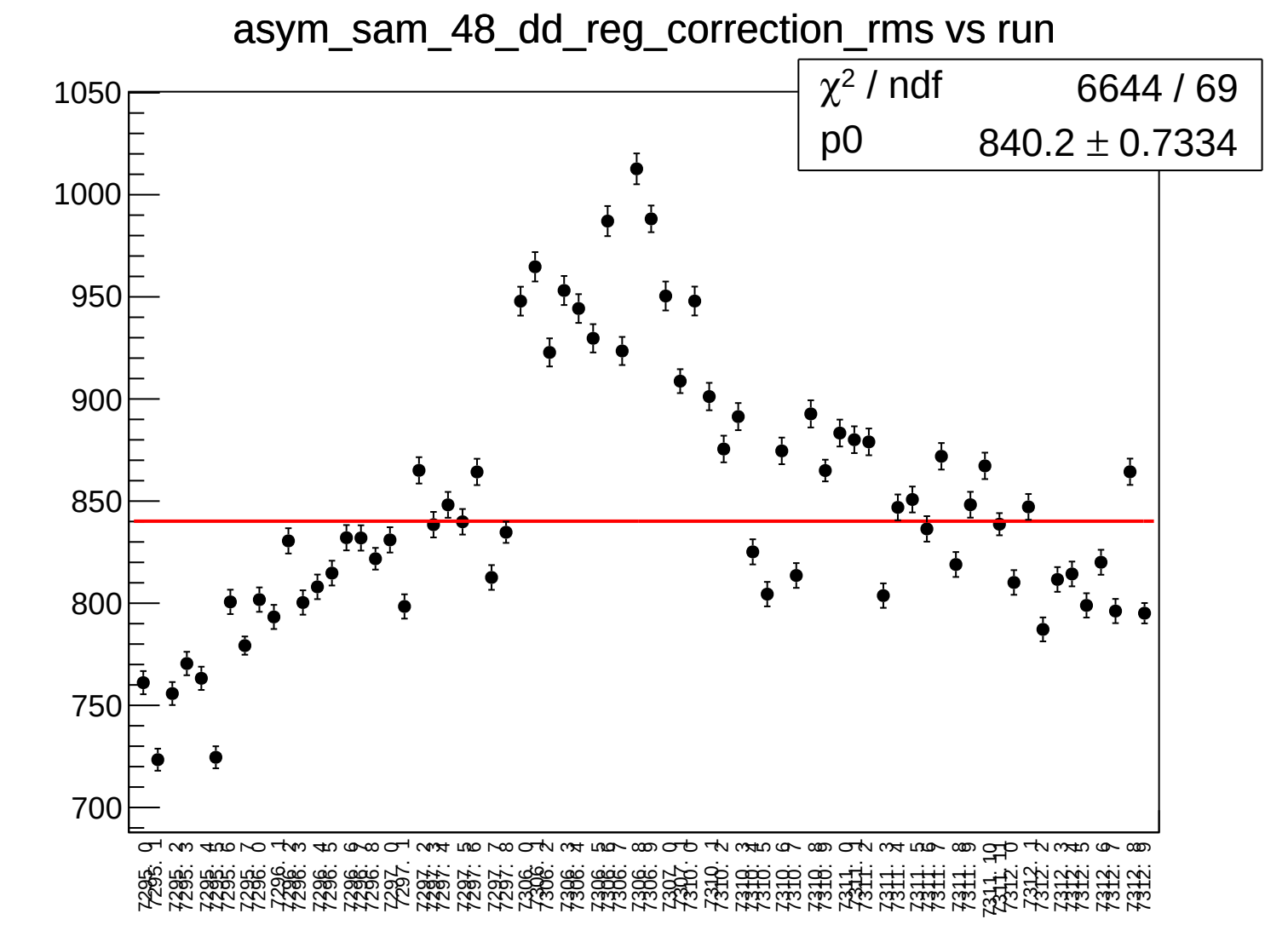

reg_asym_sam_48_dd_mean vs run
χ² / ndf 59.78 / 69
p0 −228.3 ± 164.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 89.29
Std Dev 0
2
1
0
−1
−2

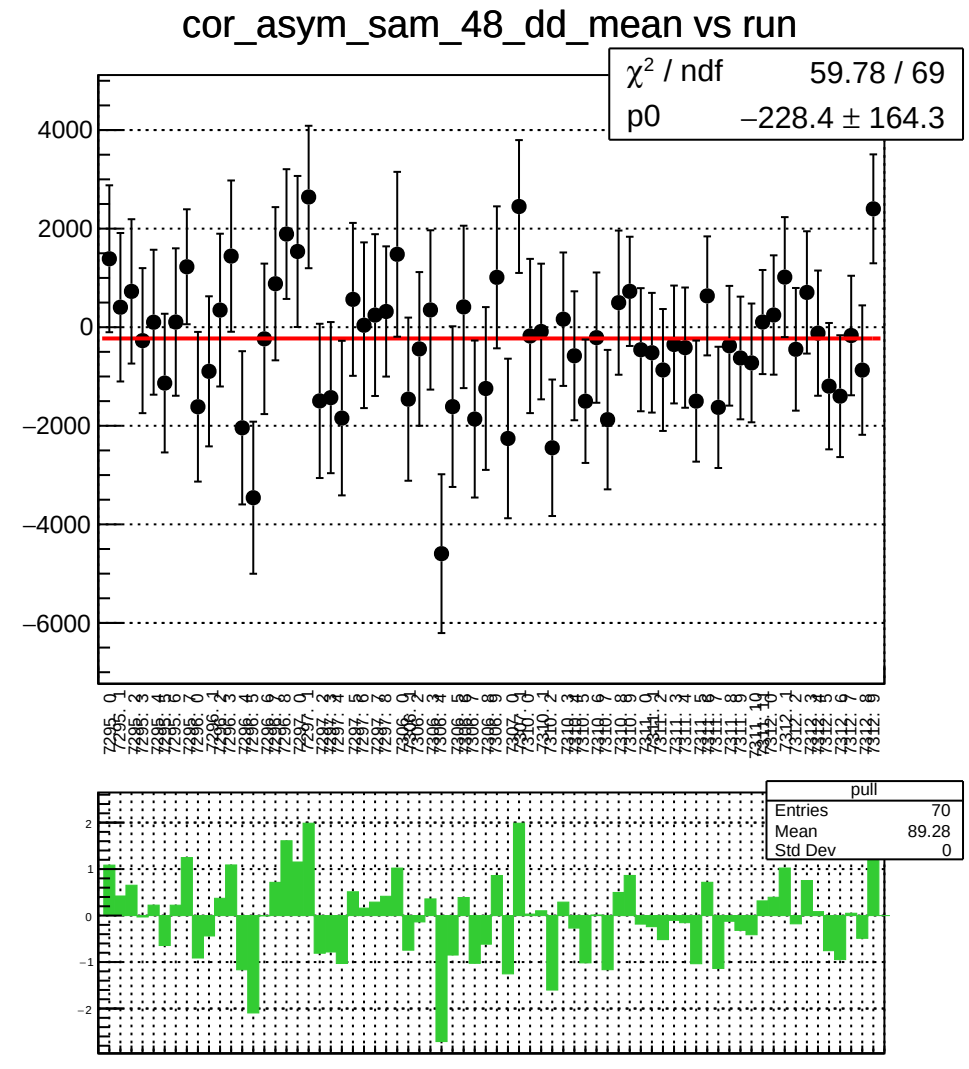

pull1D
Entries 70
Mean −0.02298
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

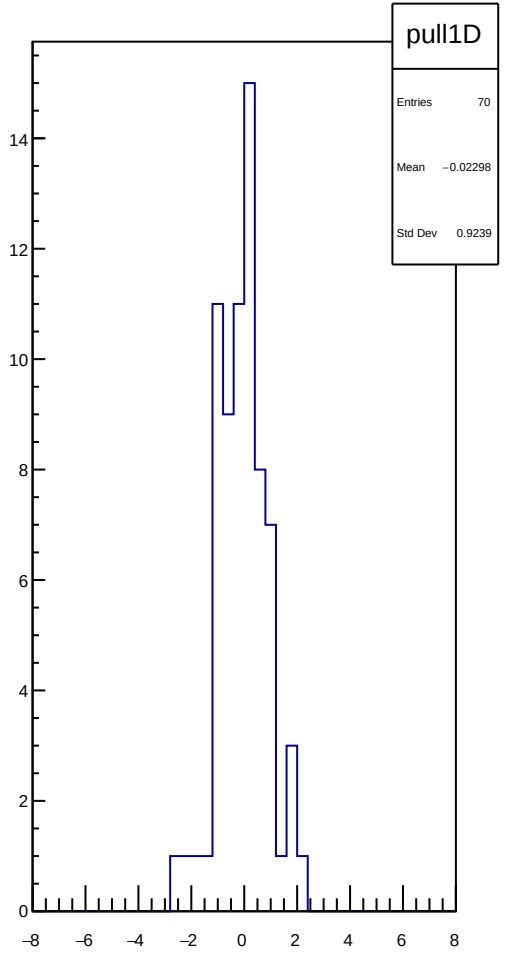

reg_asym_sam_48_dd_rms vs run
χ² / ndf 1.63e+04 / 69
p0 132.6 ± 0.1161
160
150
140
130
120
110

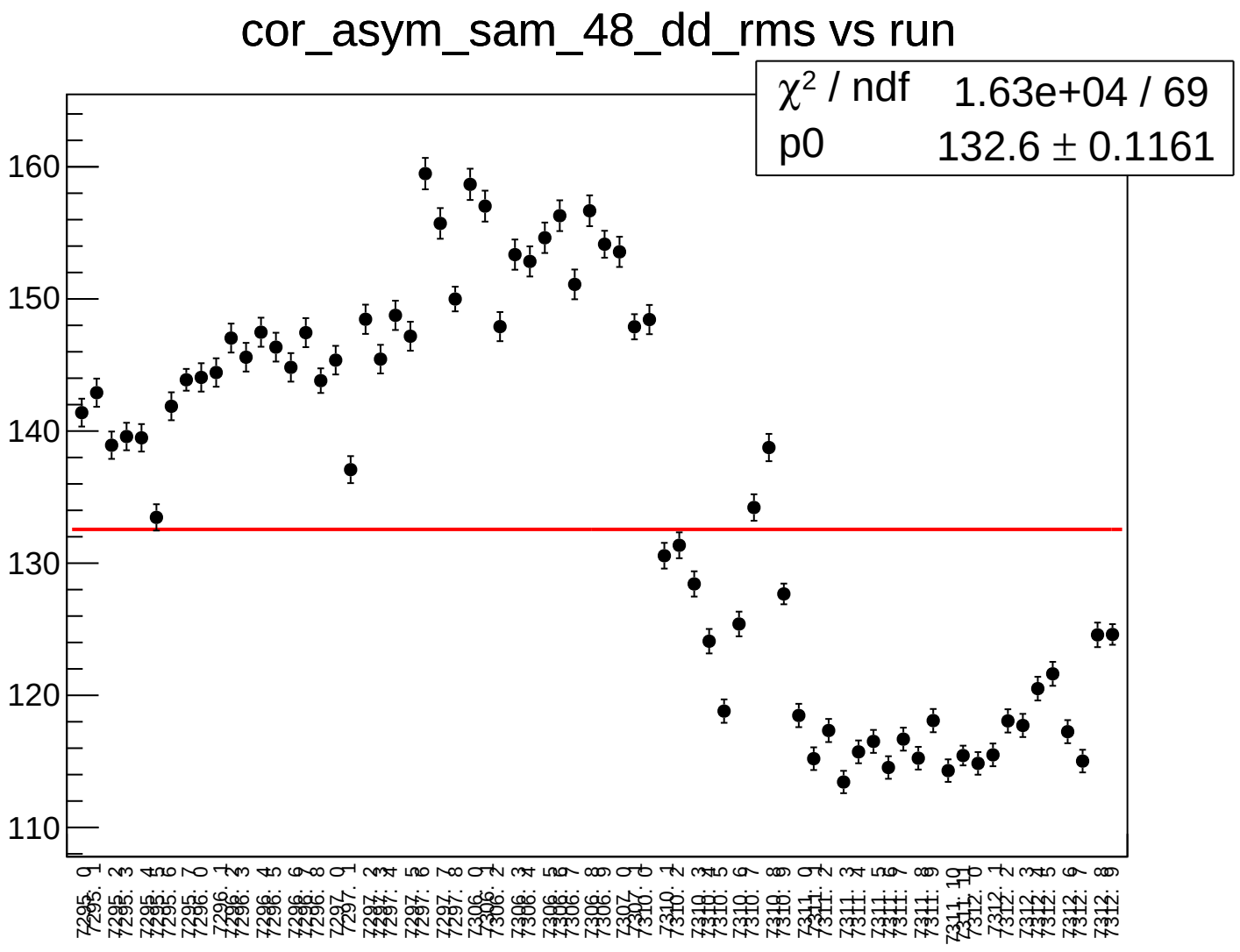

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 67.09 / 69
p0 −1446 ± 1037
pull
Entries 70
Mean 550
Std Dev 0

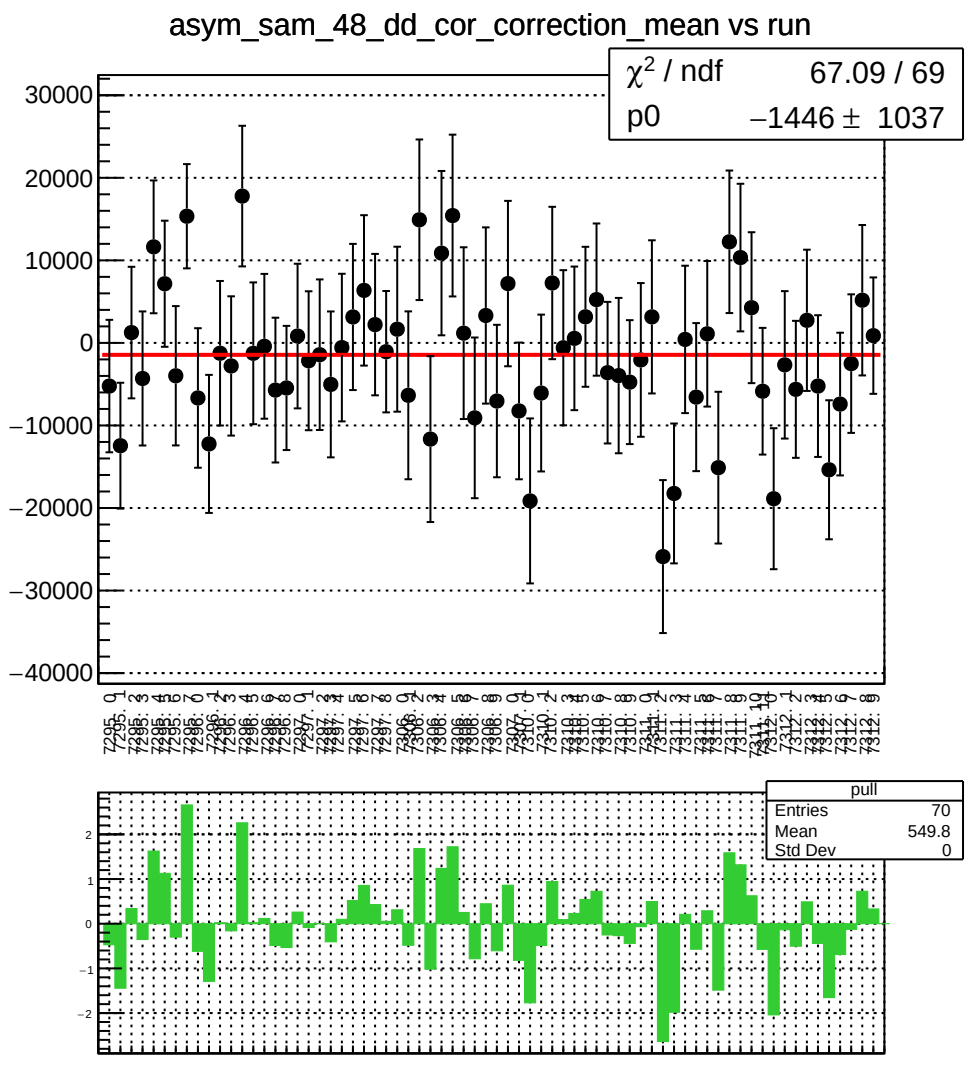

pull1D
Entries 70
Mean −0.006812
Std Dev 0.979

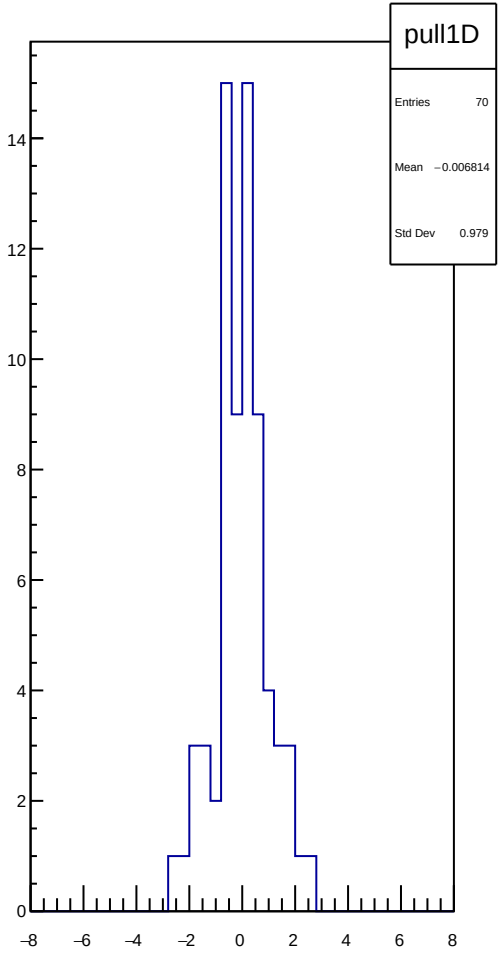

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 6644 / 69
p0 840.2 ± 0.7334
1050
1000
950
900
850
800
750
700

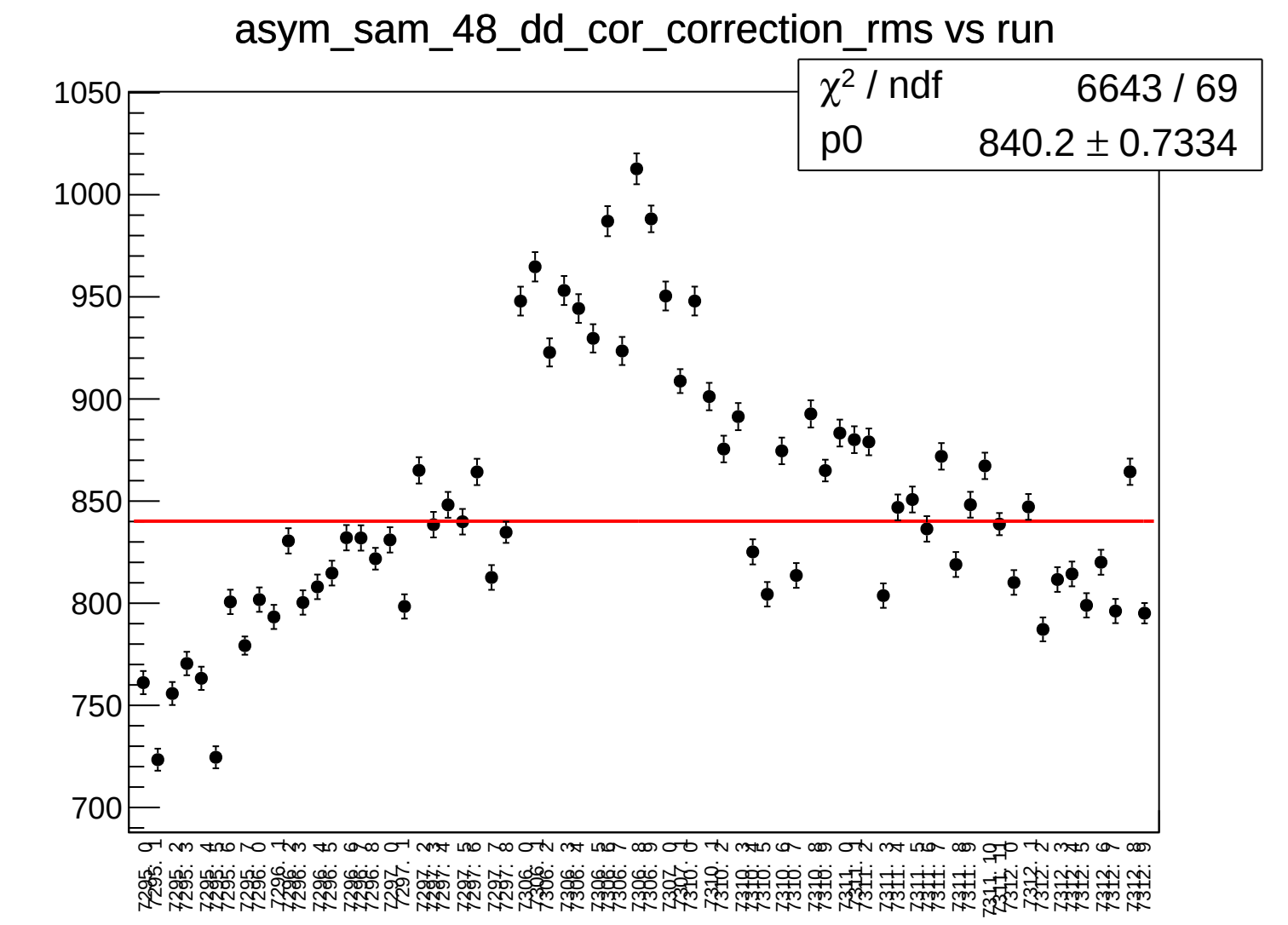

cor_asym_sam_48_dd_mean vs run
χ² / ndf 59.78 / 69
p0 −228.4 ± 164.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 89.28
Std Dev 0
2
1
0
−1
−2

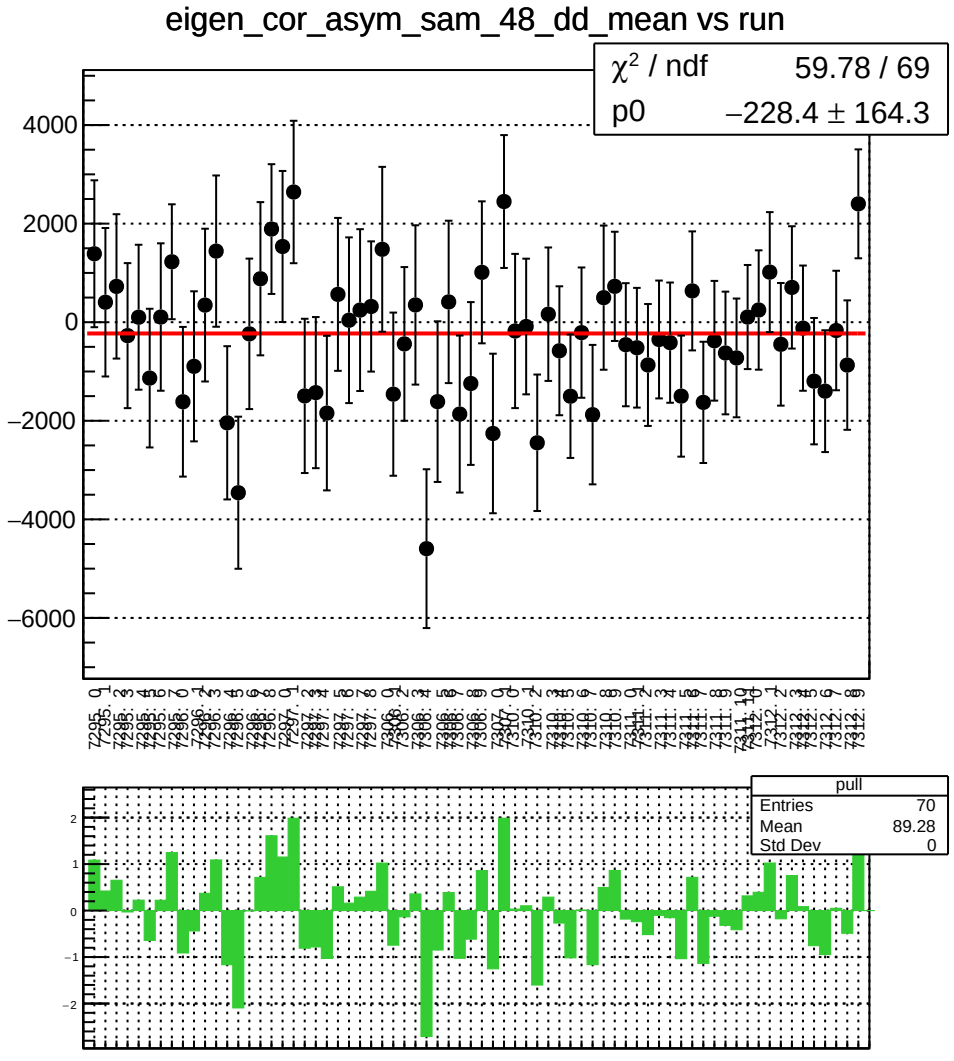

pull1D
Entries 70
Mean −0.02298
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

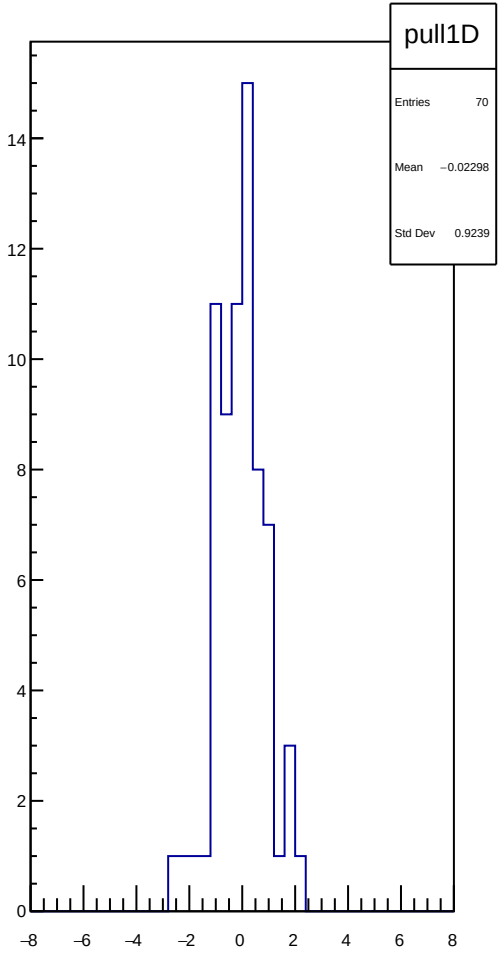

cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.63e+04 / 69
p0 132.6 ± 0.1161
160
150
140
130
120
110

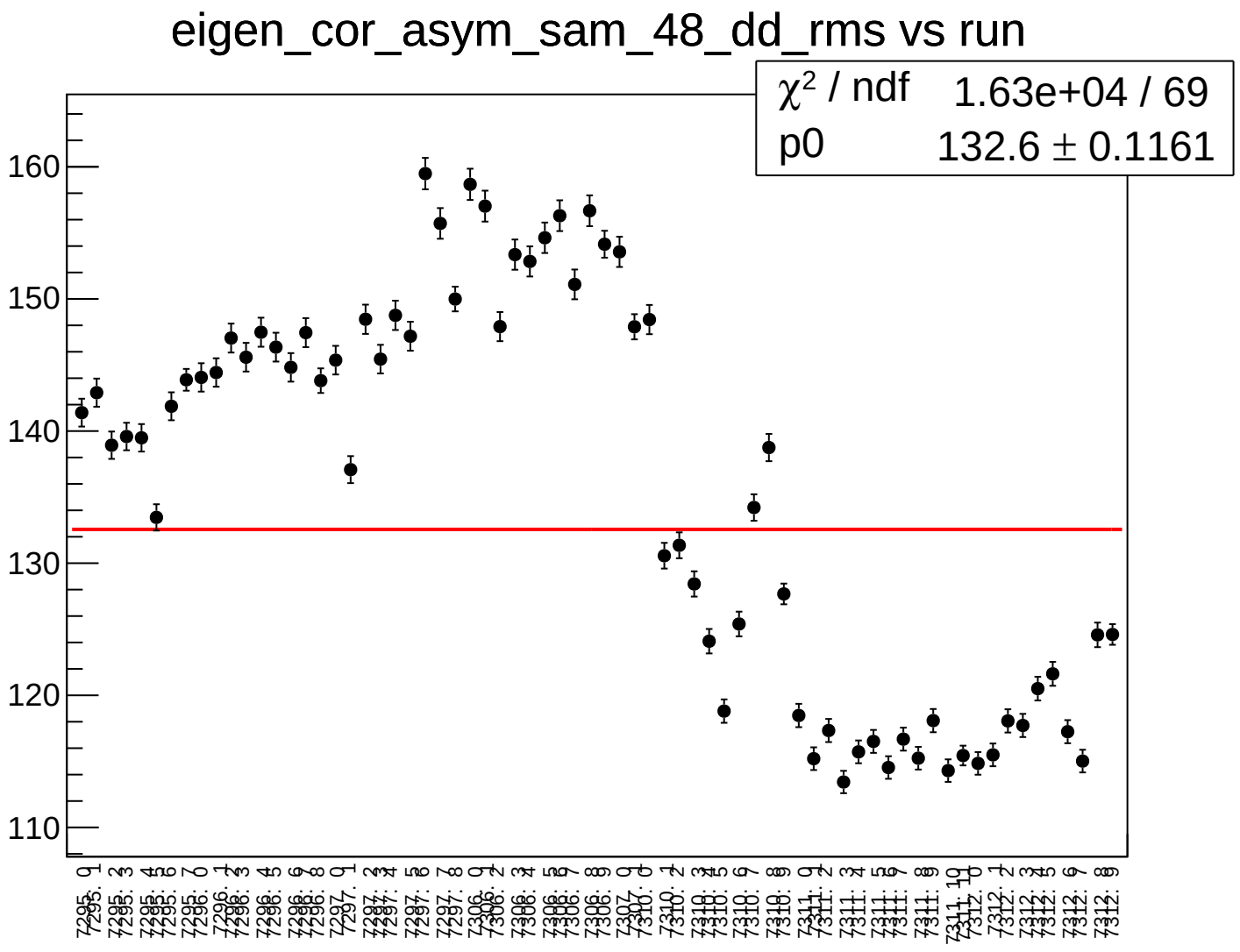

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 67.09 / 69
p0 −1446 ± 1037
pull
Entries 70
Mean 549.8
Std Dev 0

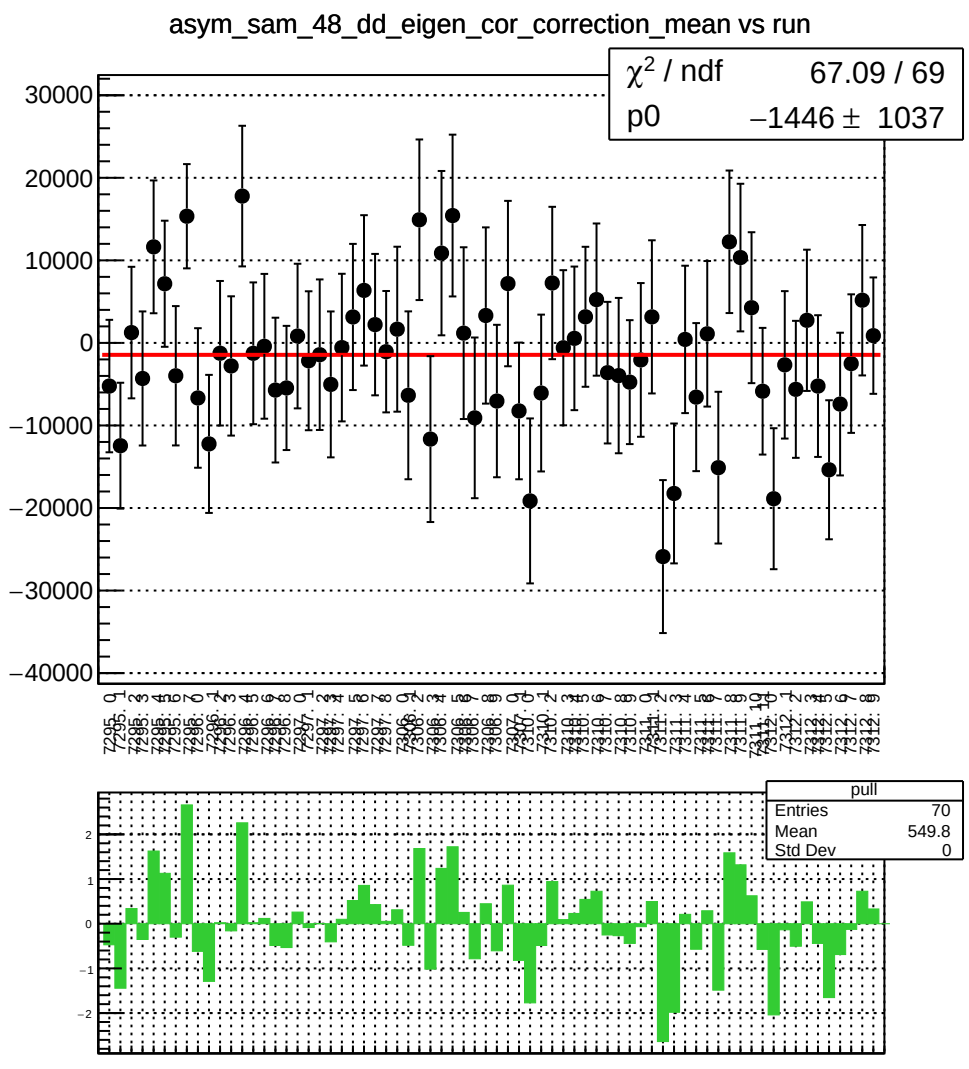

pull1D
Entries 70
Mean −0.006814
Std Dev 0.979

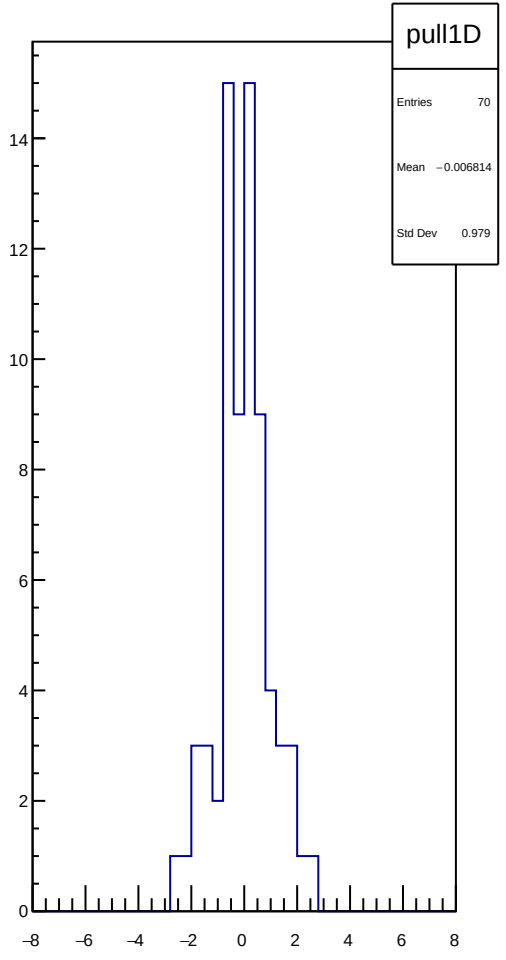

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 6643 / 69
p0 840.2 ± 0.7334
1050
1000
950
900
850
800
750
700

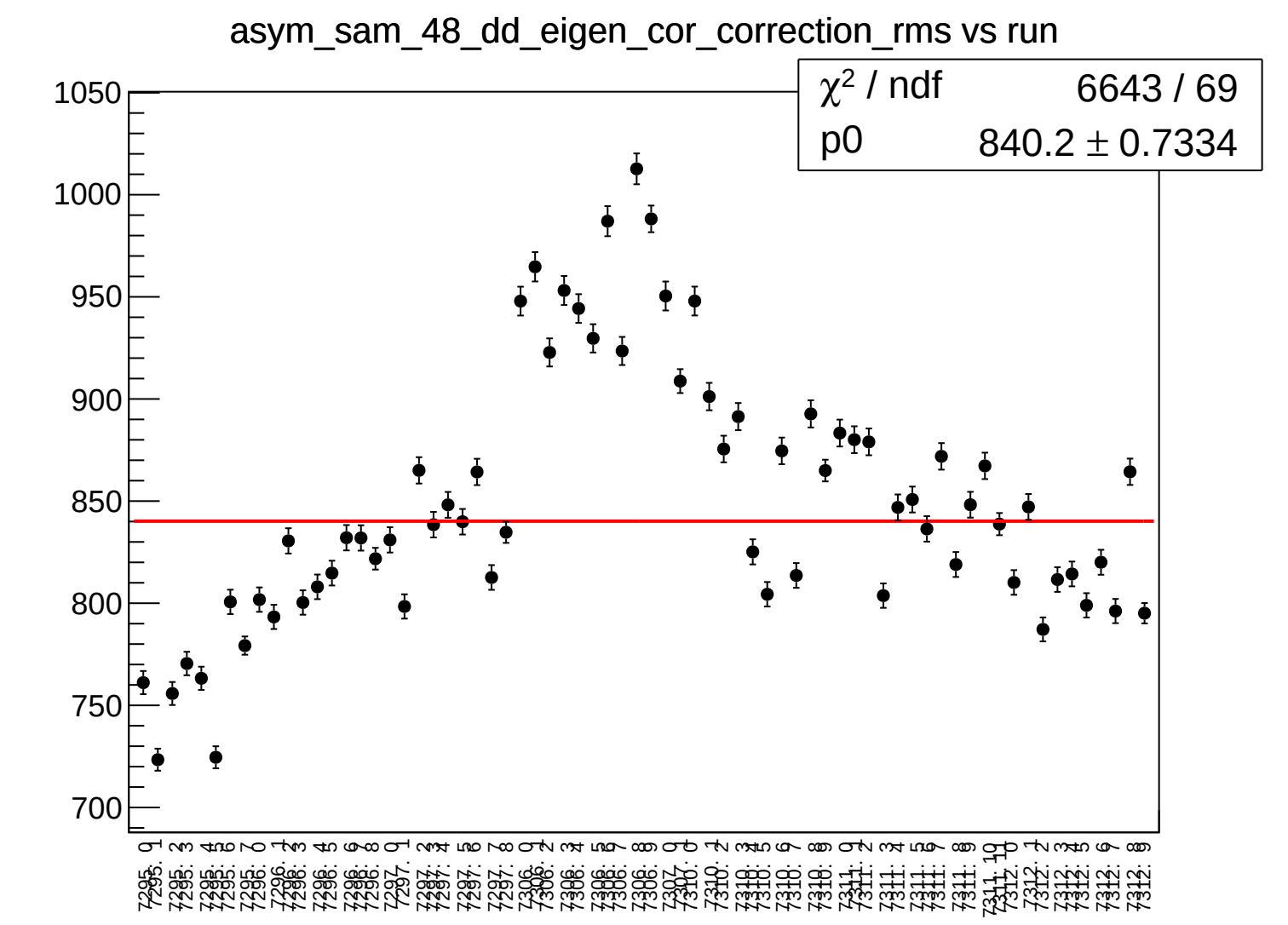

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 59.78 / 69
p0 −228.4 ± 164.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 89.28
Std Dev 0
2
1
0
−1
−2

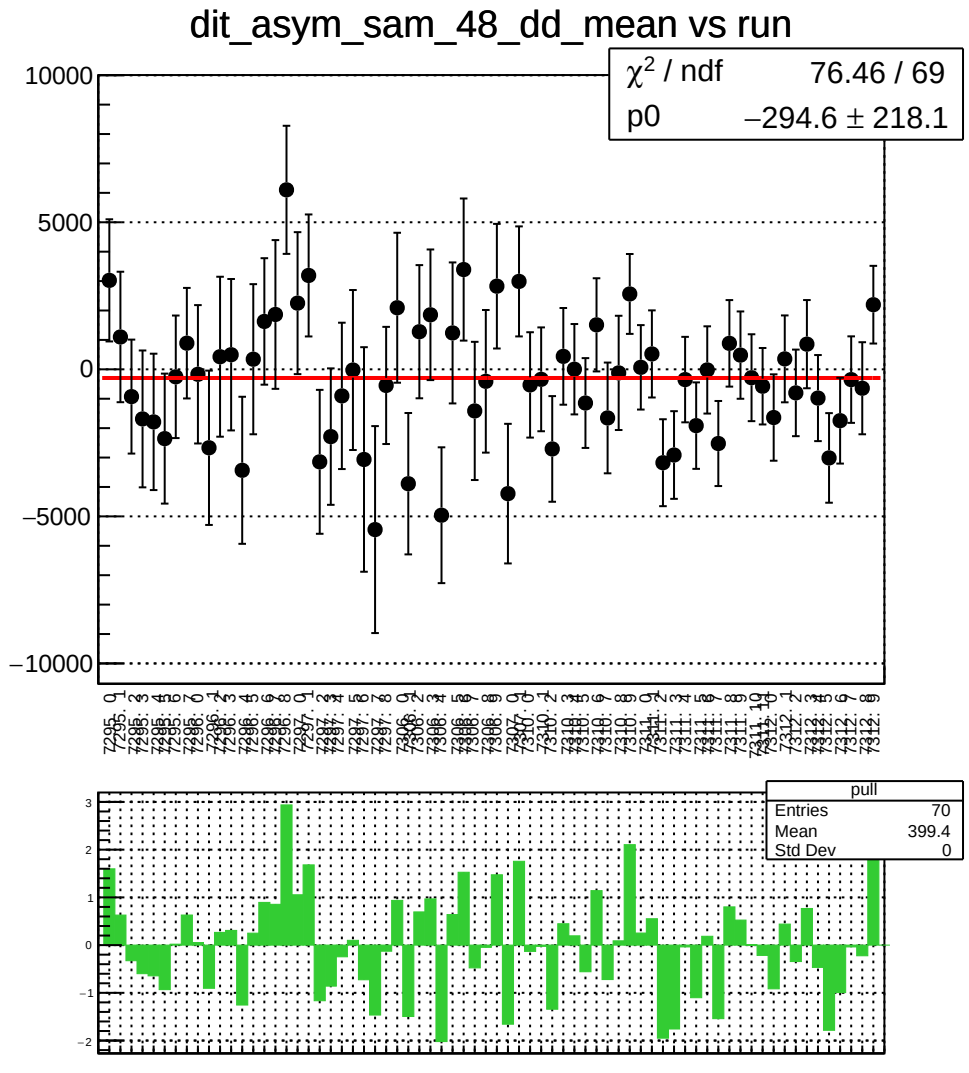

pull1D
Entries 70
Mean −0.02298
Std Dev 0.9239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

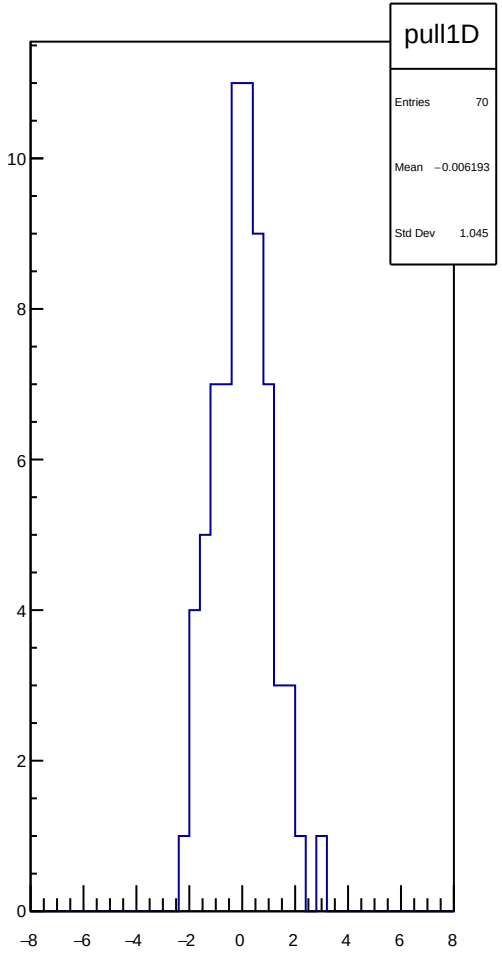

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.63e+04 / 69
p0 132.6 ± 0.1161
160
150
140
130
120
110

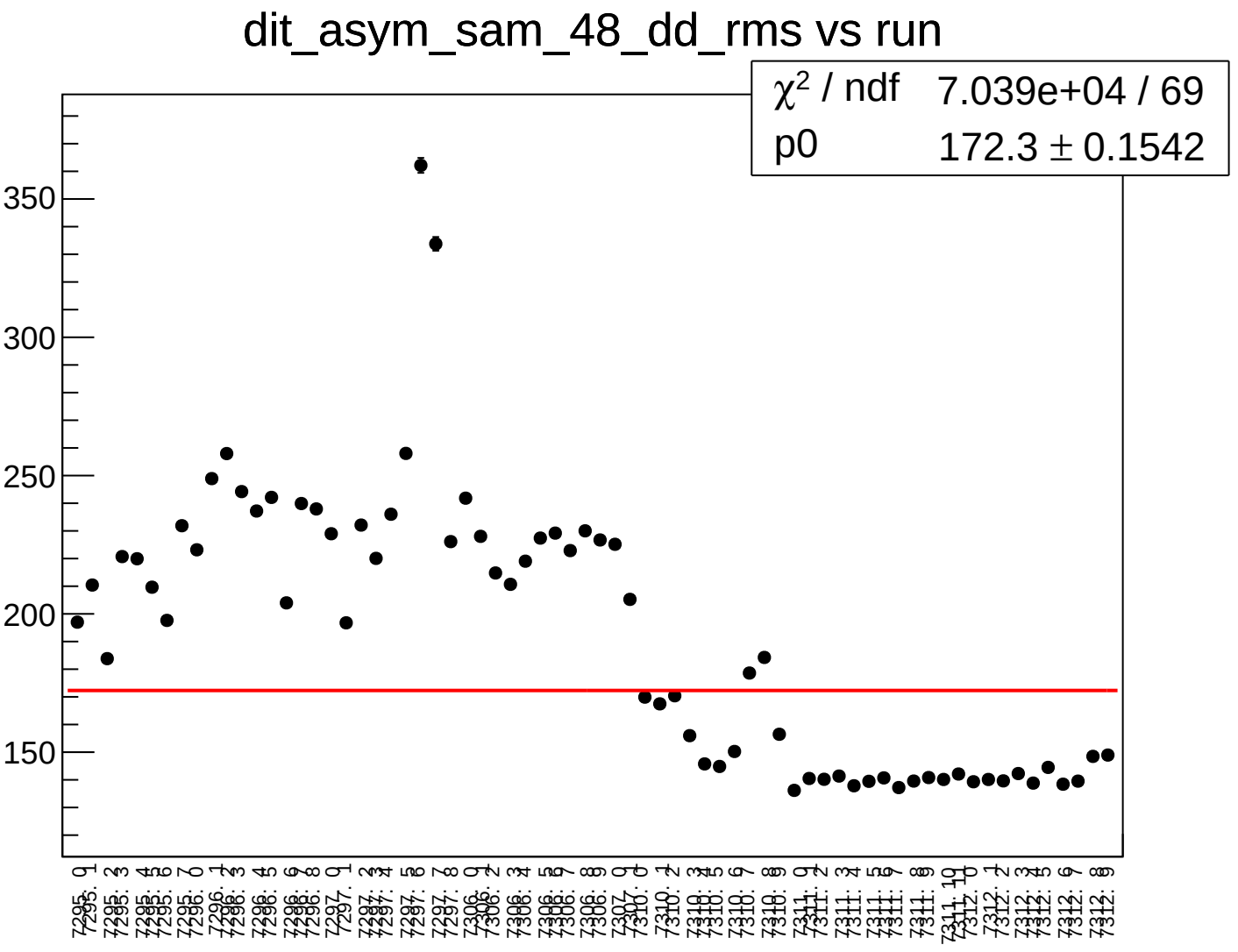

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.09 / 69
p0 −1446 ± 1037
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 70
Mean 549.8
Std Dev 0
2
1
0
−1
−2

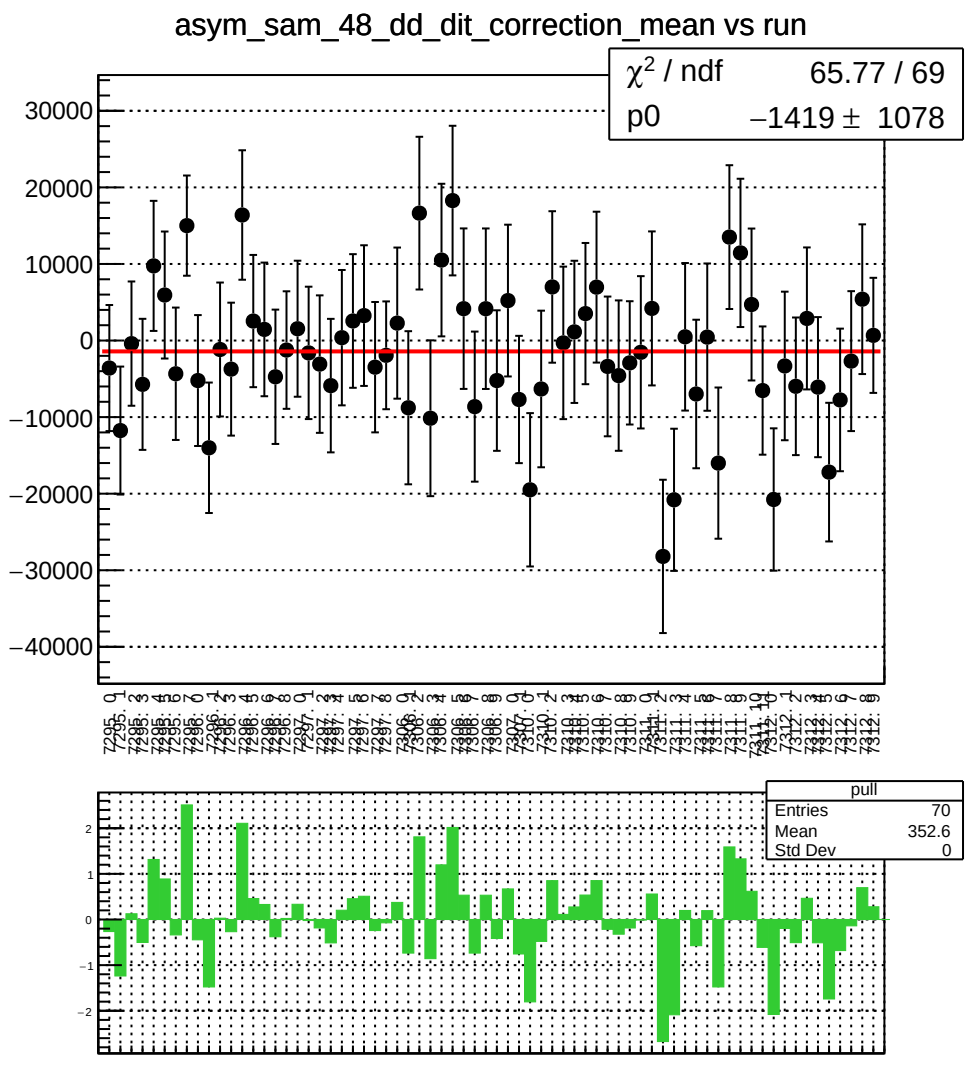

pull1D
Entries 70
Mean −0.006814
Std Dev 0.979
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

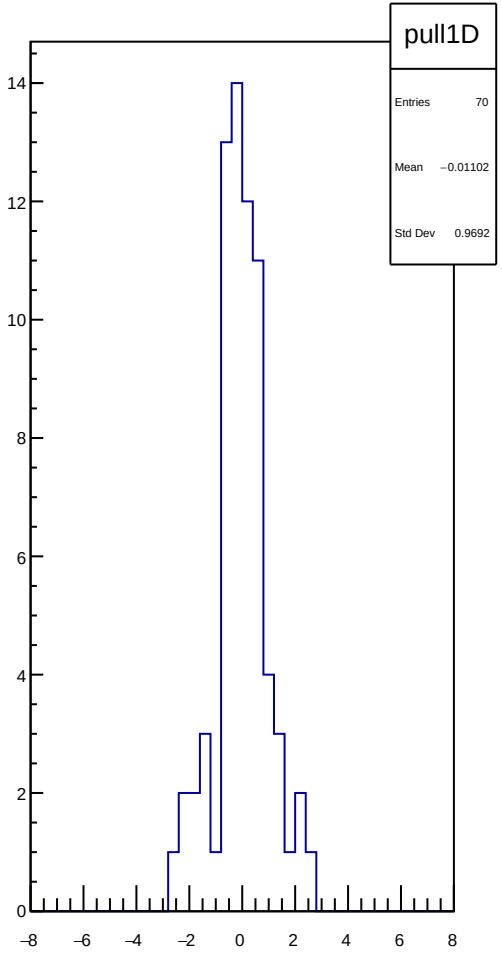

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6643 / 69
p0 840.2 ± 0.7334
1050
1000
950
900
850
800
750
700

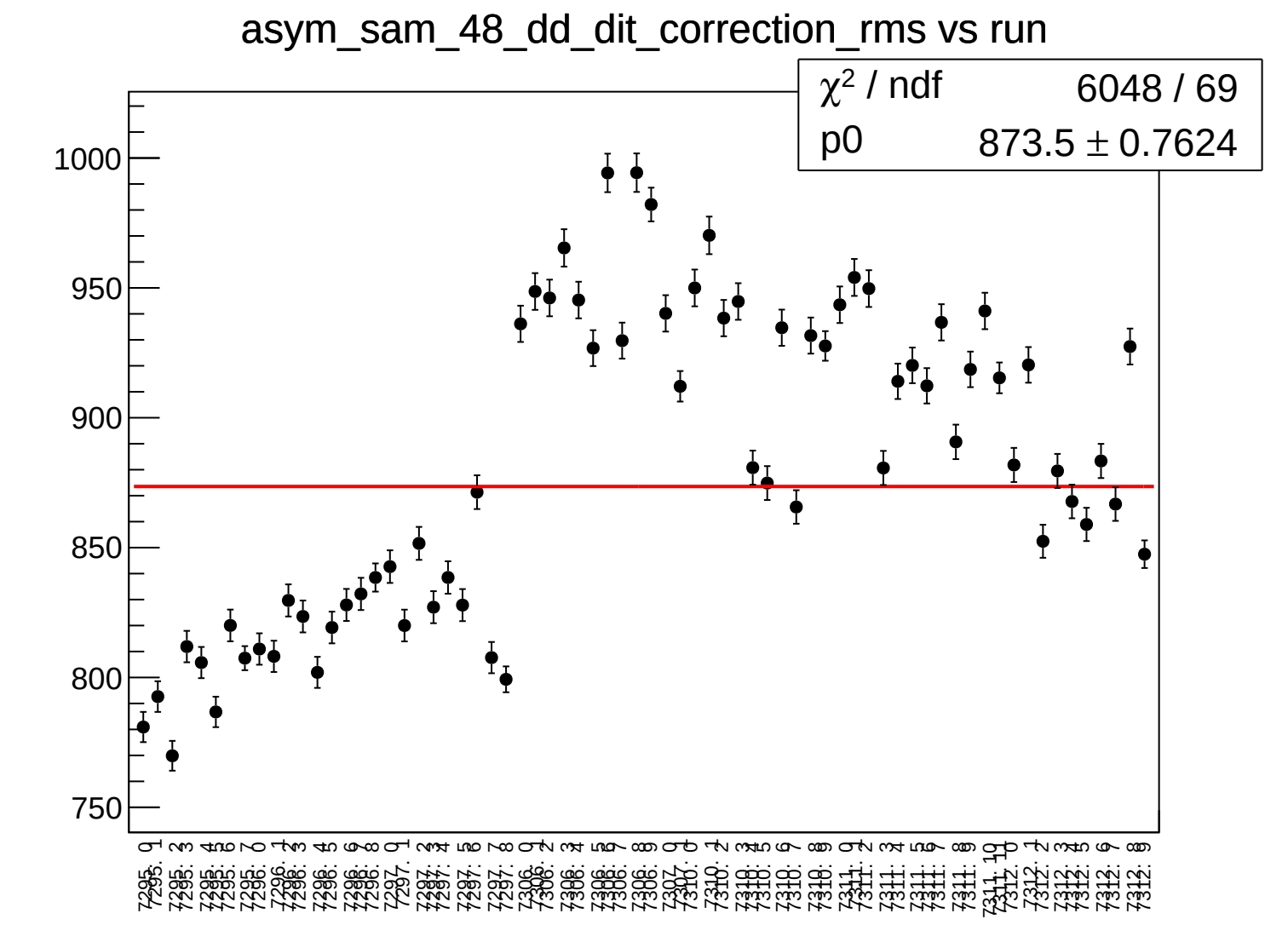

dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.46 / 69
p0 −294.6 ± 218.1
pull
Entries 70
Mean 399.4
Std Dev 0

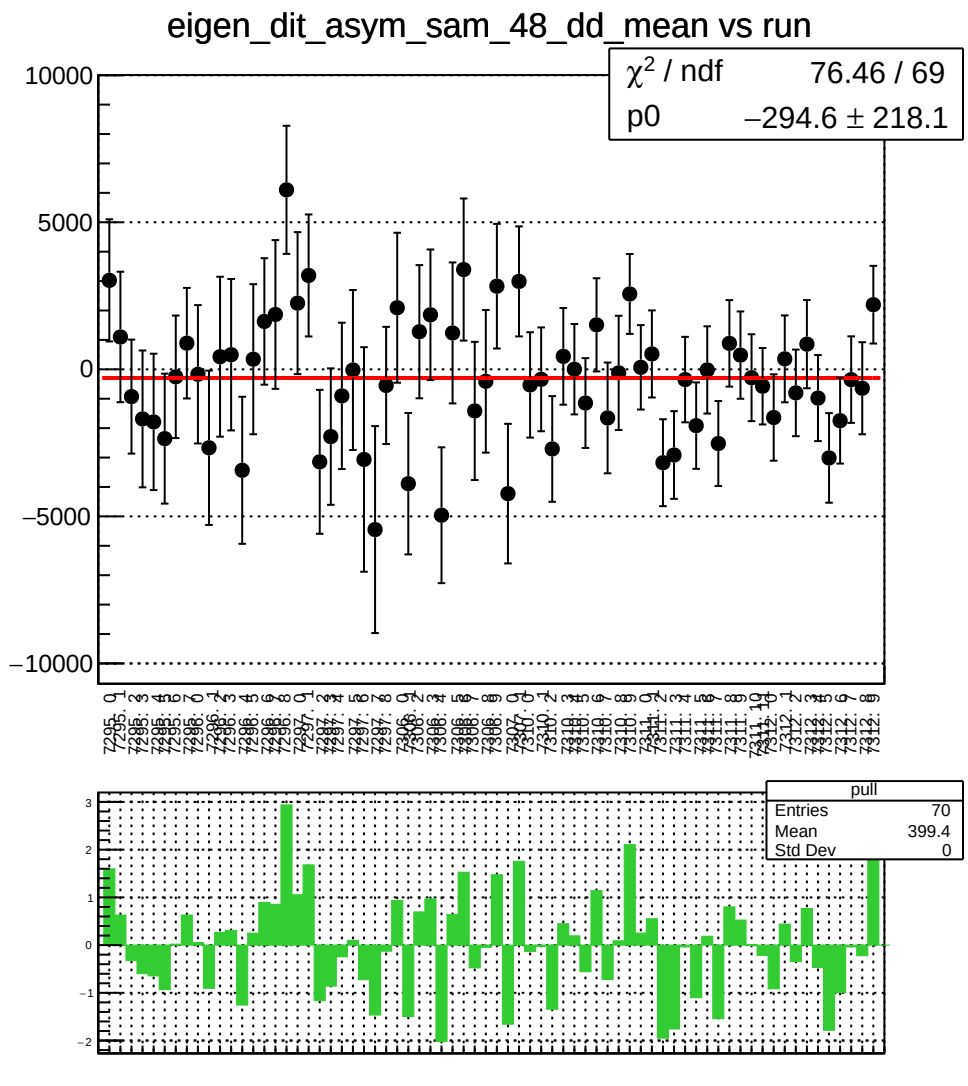

pull1D
Entries 70
Mean −0.006193
Std Dev 1.045

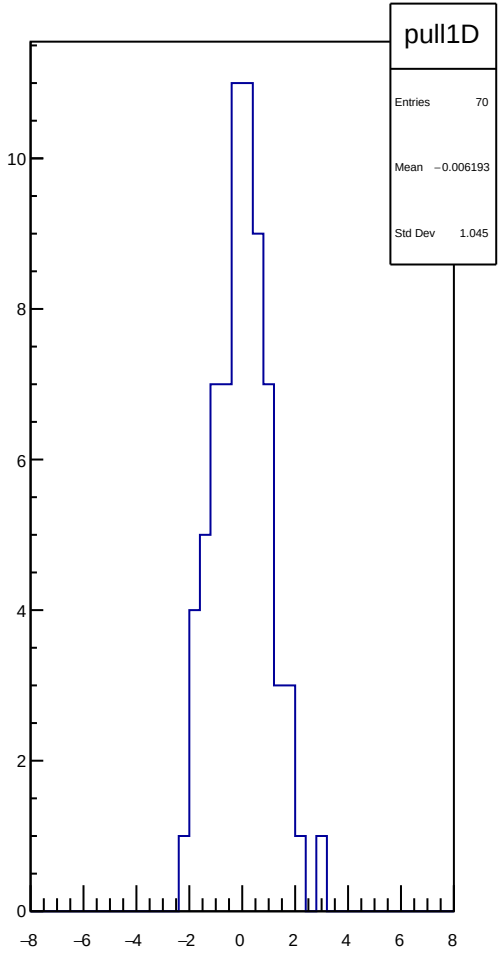

dit_asym_sam_48_dd_rms vs run
χ² / ndf 7.039e+04 / 69
p0 172.3 ± 0.1542
350
300
250
200
150

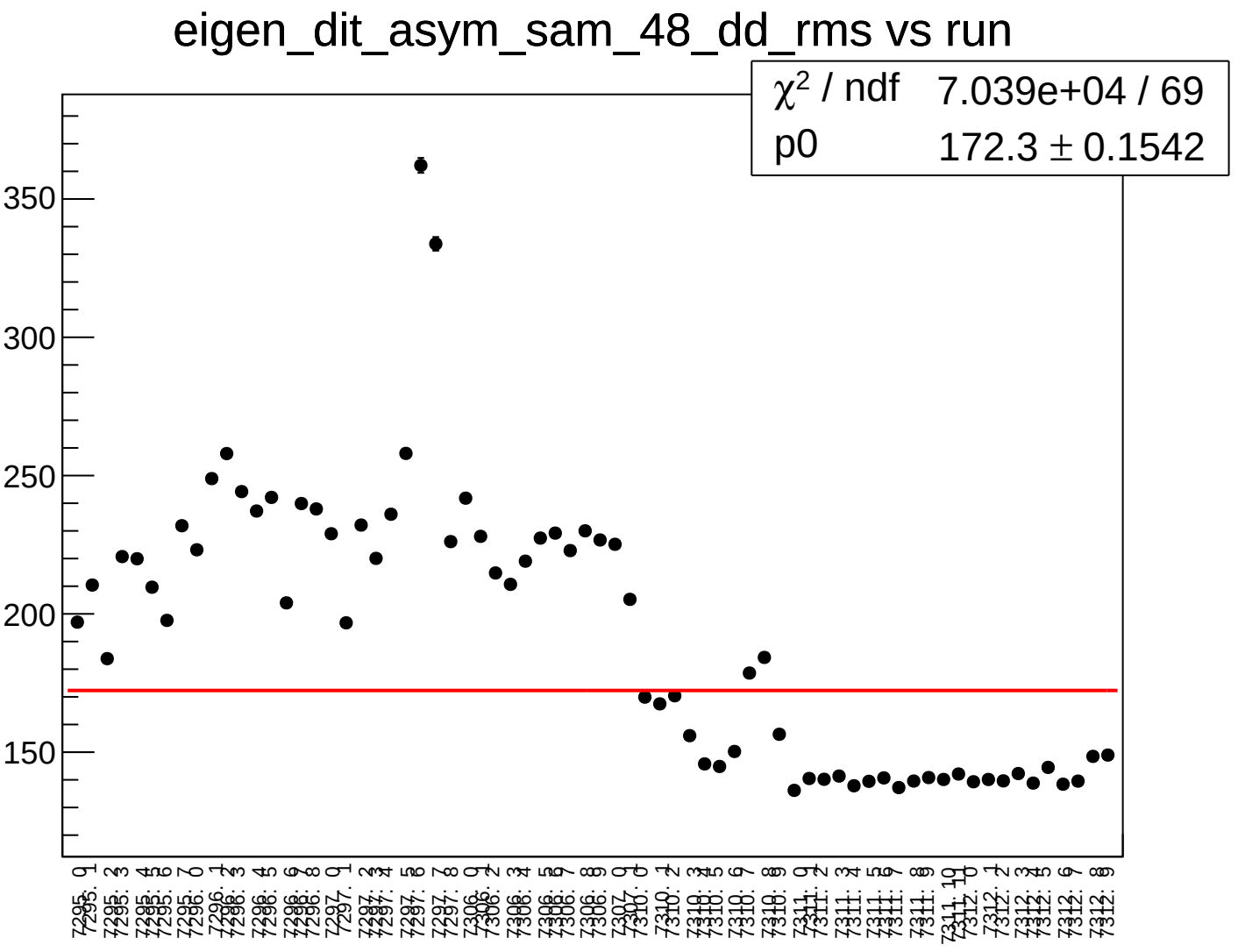

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 65.77 / 69
p0 −1419 ± 1078
pull
Entries 70
Mean 352.6
Std Dev 0

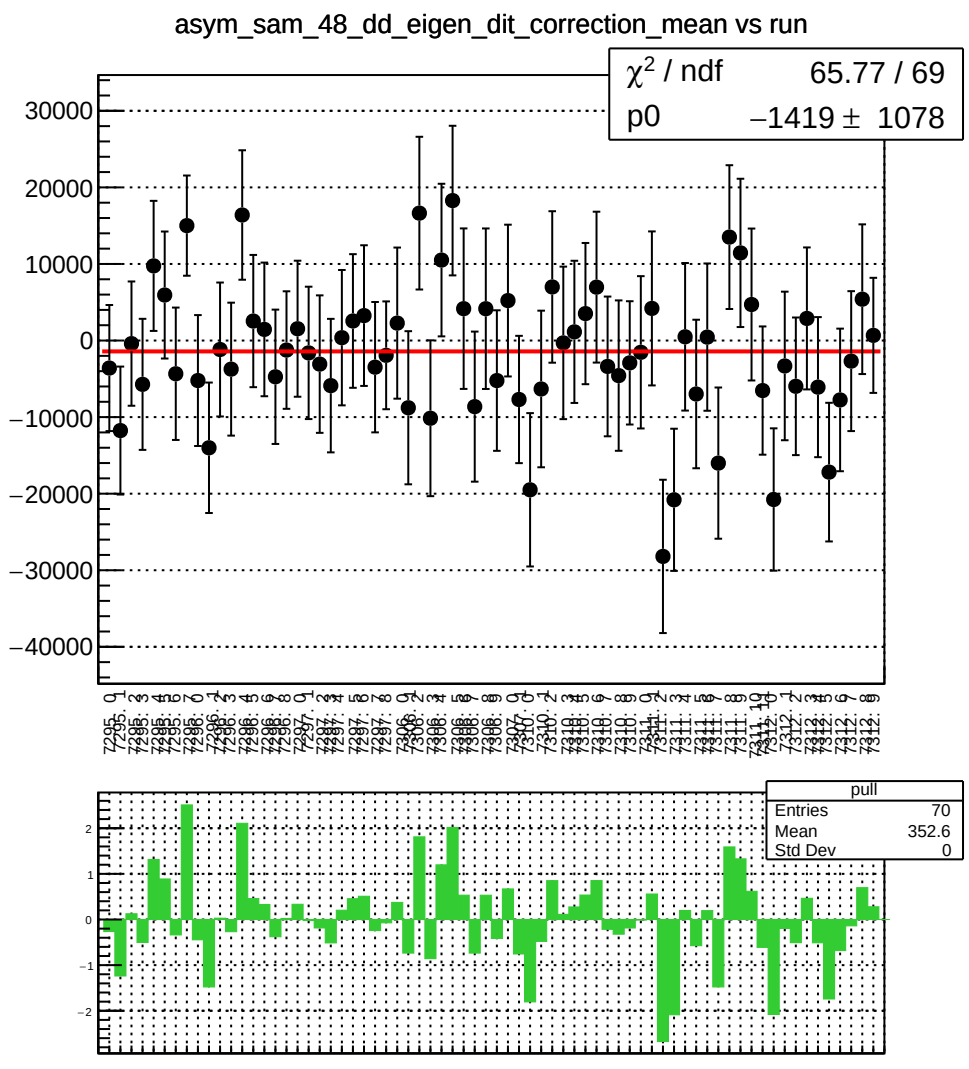

pull1D
Entries 70
Mean −0.01102
Std Dev 0.9692

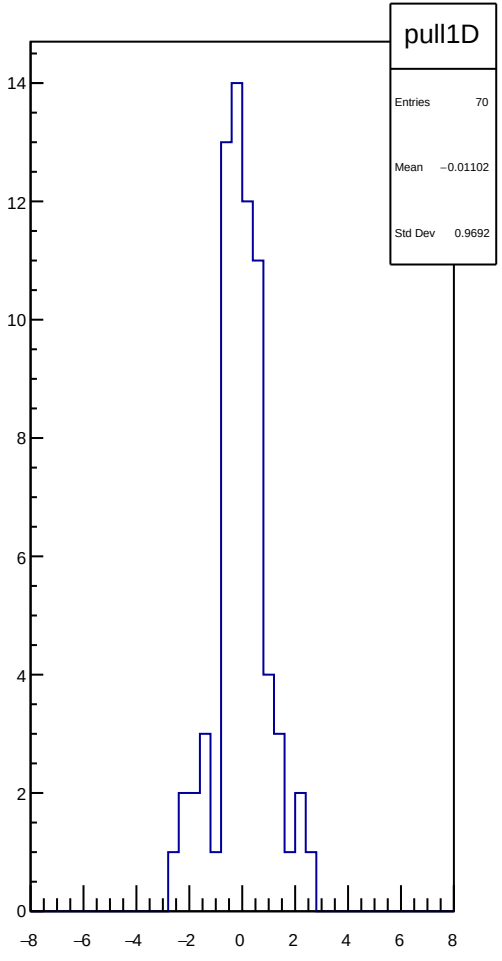

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 6048 / 69
p0 873.5 ± 0.7624
1000
950
900
850
800
750

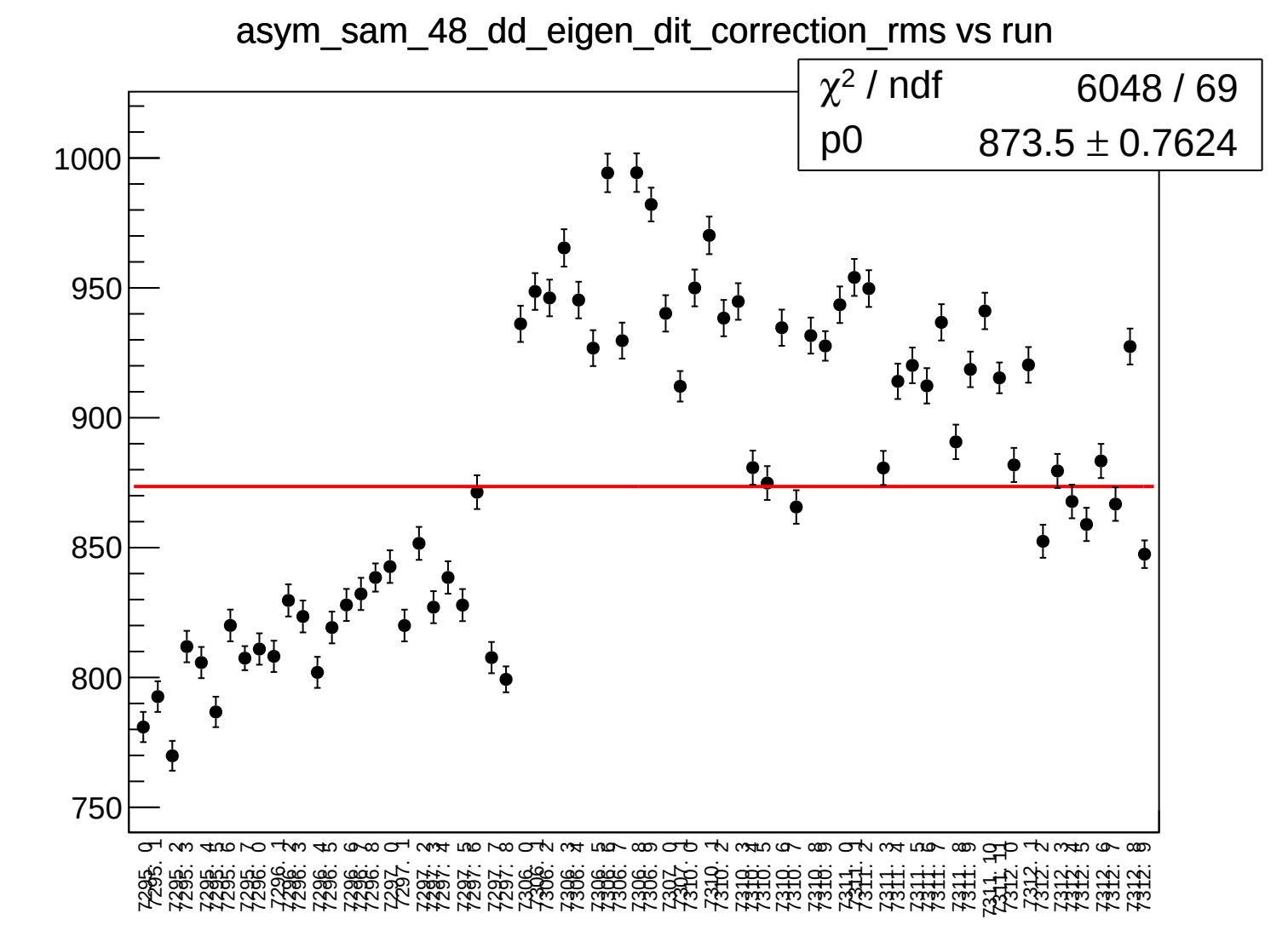

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.46 / 69
p0 −294.6 ± 218.1
pull
Entries 70
Mean 399.4
Std Dev 0

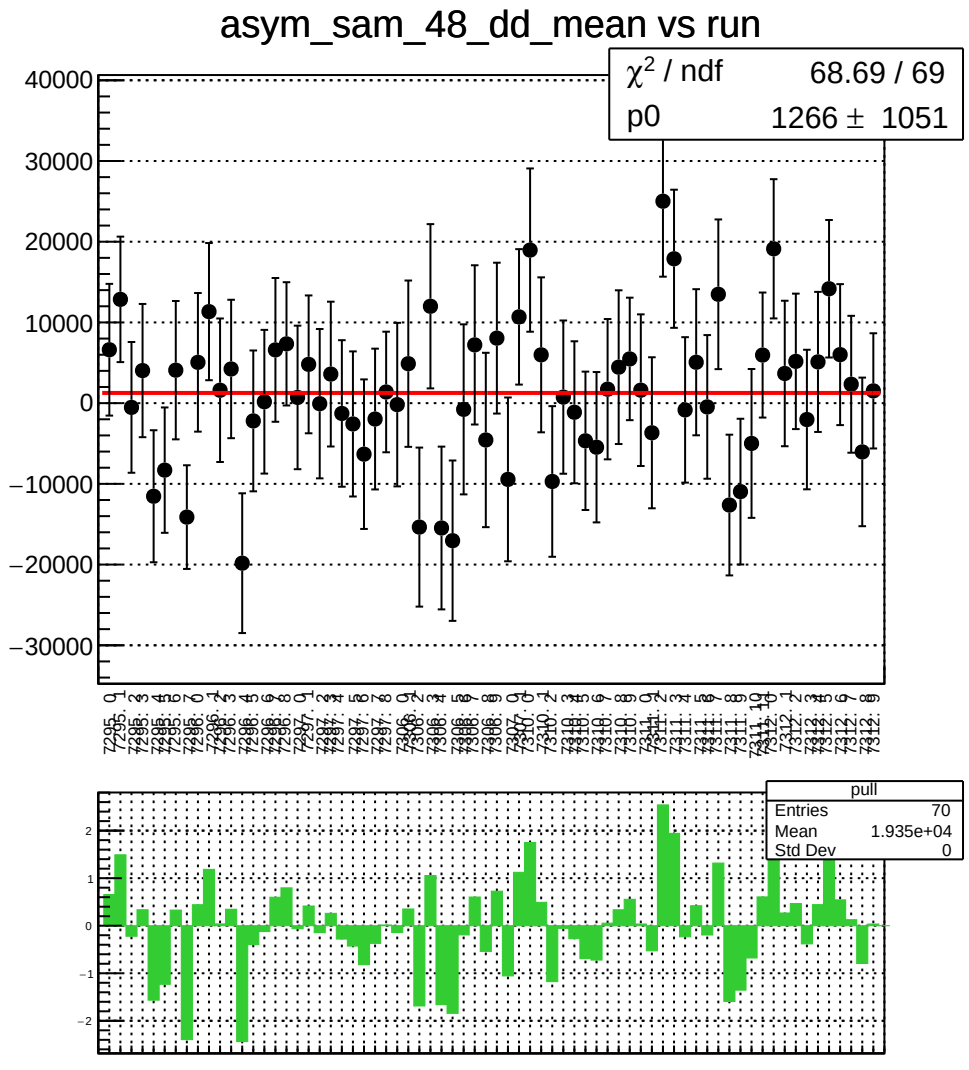

pull1D
Entries 70
Mean −0.006193
Std Dev 1.045

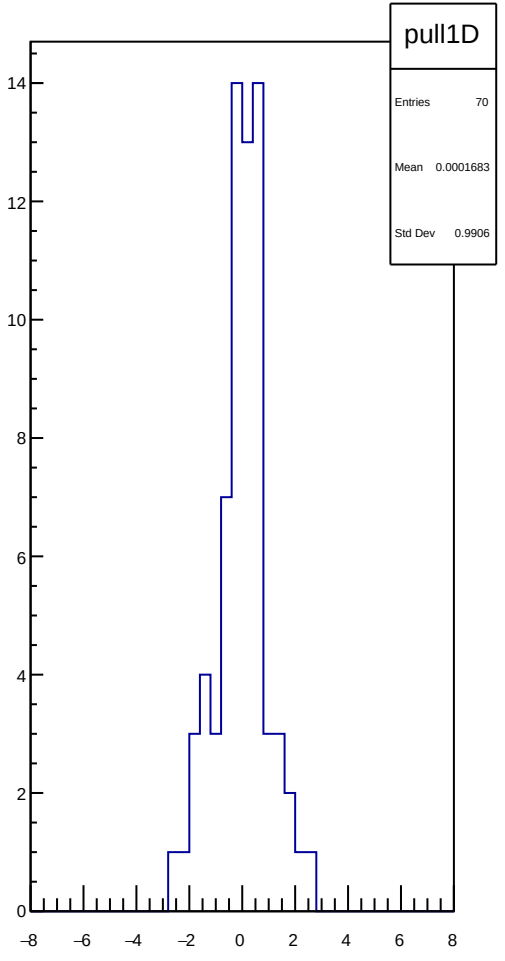

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 7.039e+04 / 69
p0 172.3 ± 0.1542
350
300
250
200
150

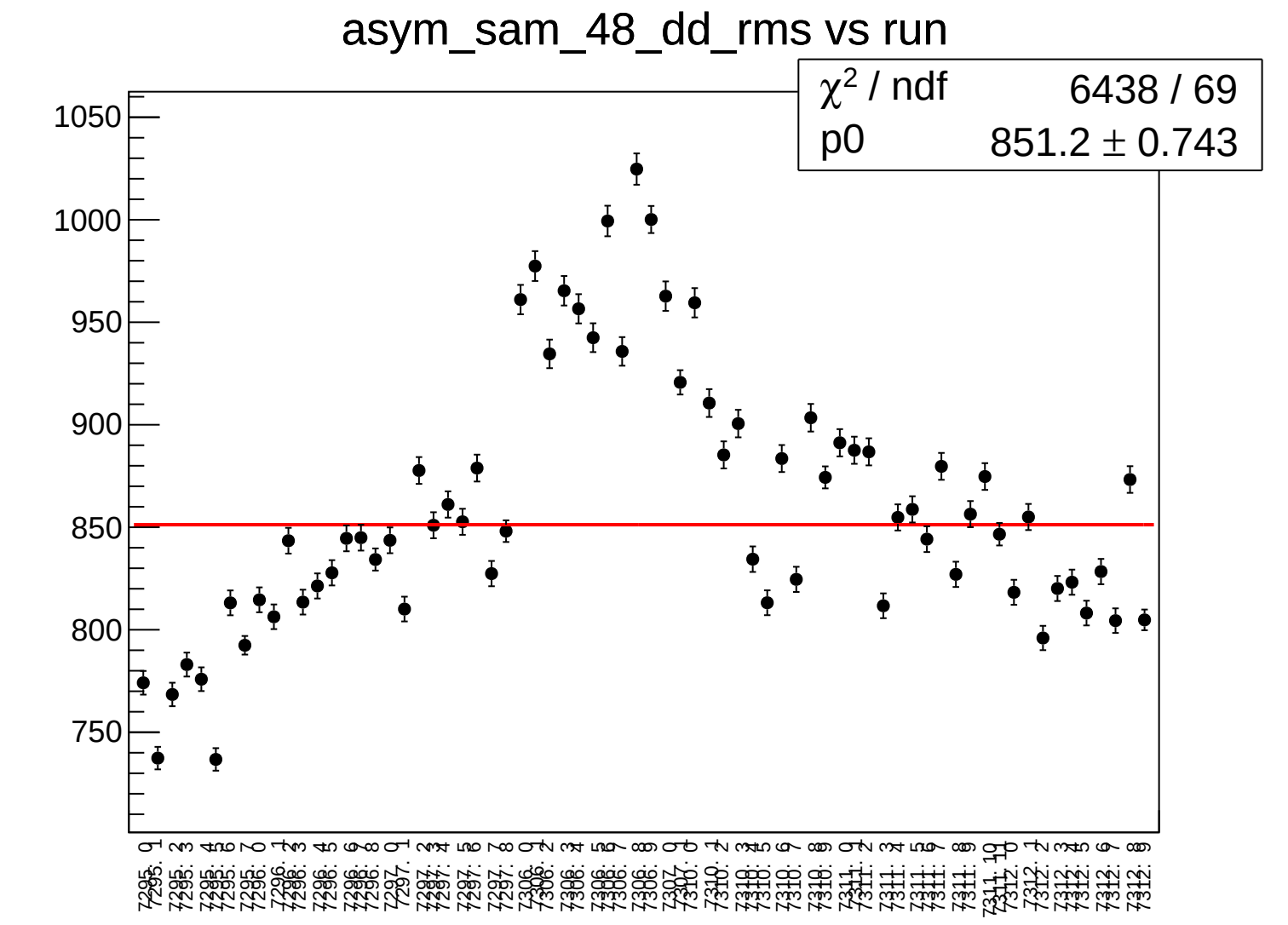

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.77 / 69
p0 −1419 ± 1078
pull
Entries 70
Mean 352.6
Std Dev 0

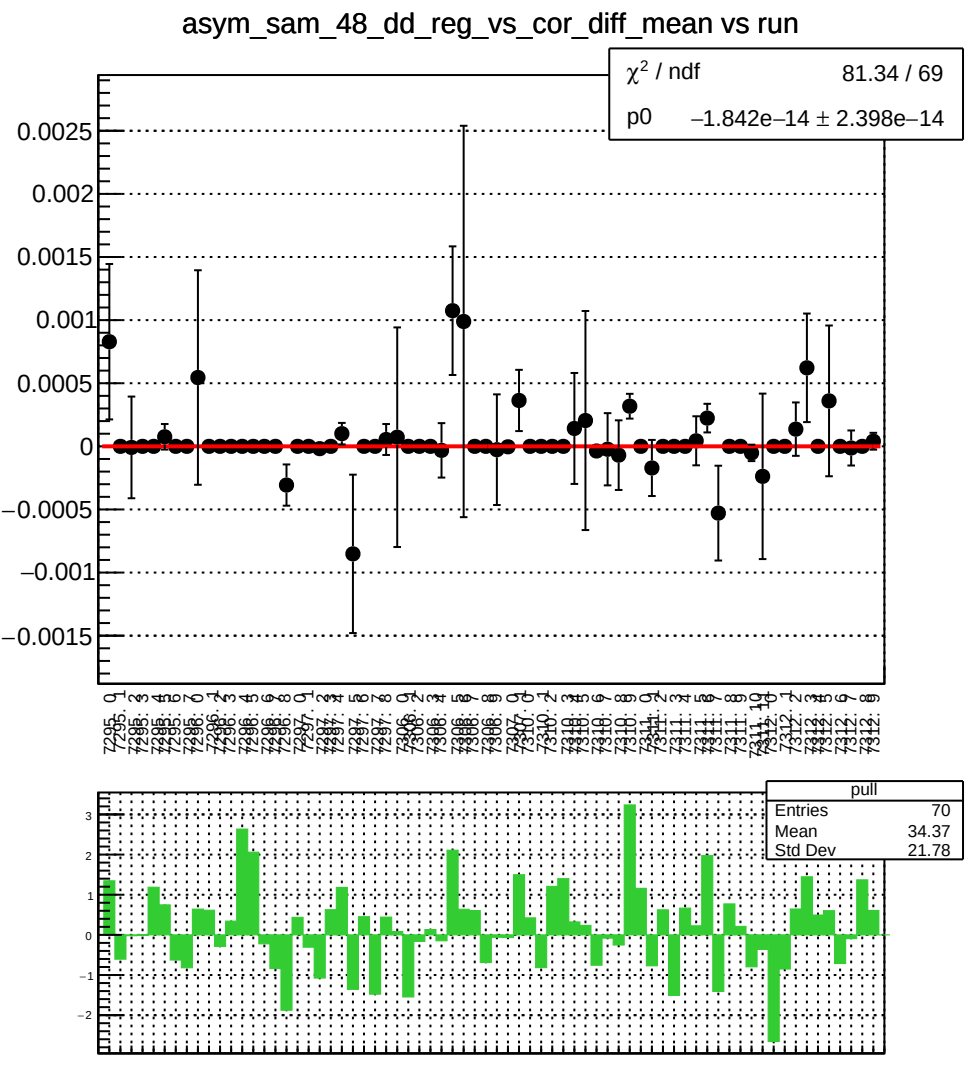

pull1D
Entries 70
Mean −0.01102
Std Dev 0.9692

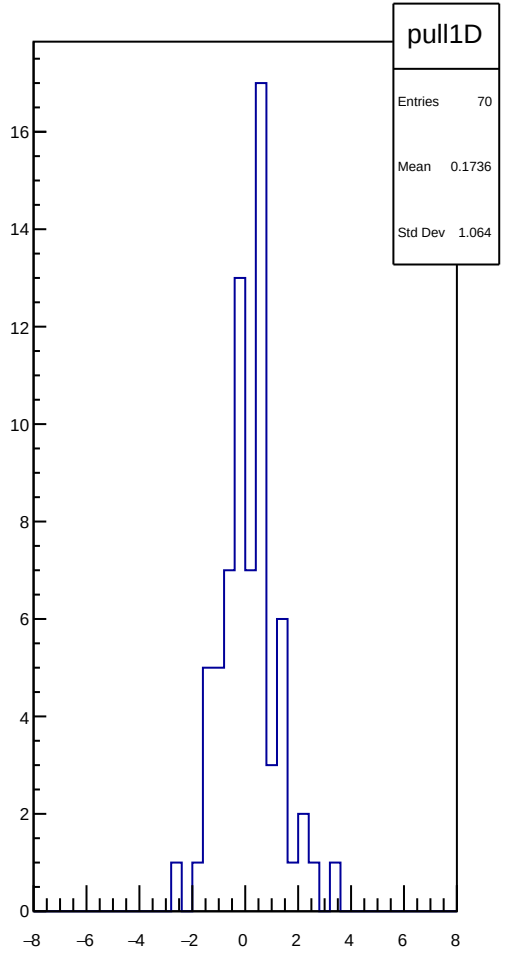

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 6048 / 69
p0 873.5 ± 0.7624
1000
950
900
850
800
750

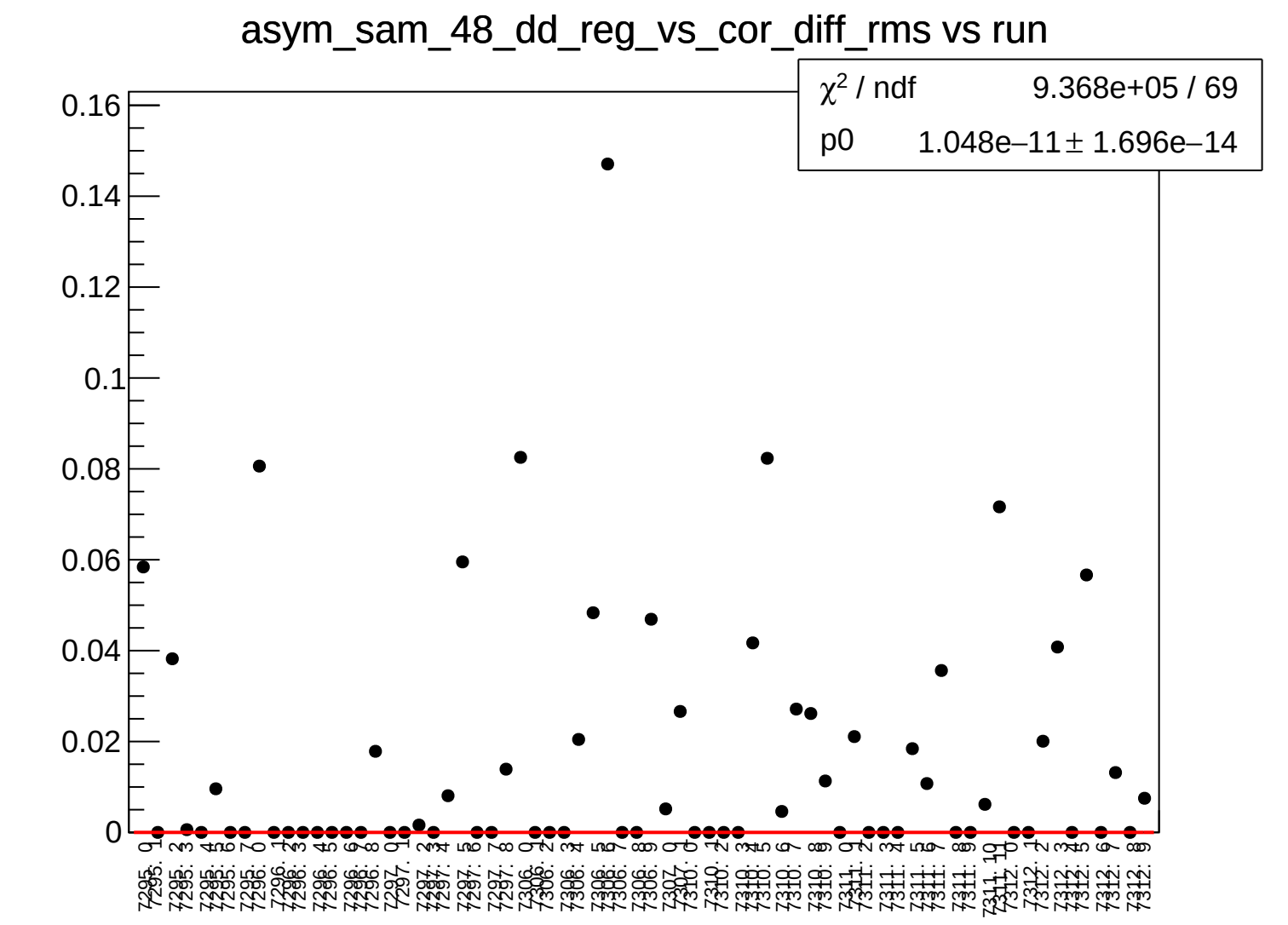

asym_sam_48_dd_mean vs run
χ² / ndf 68.69 / 69
p0 1266 ± 1051
pull
Entries 70
Mean 1.935e+04
Std Dev 0

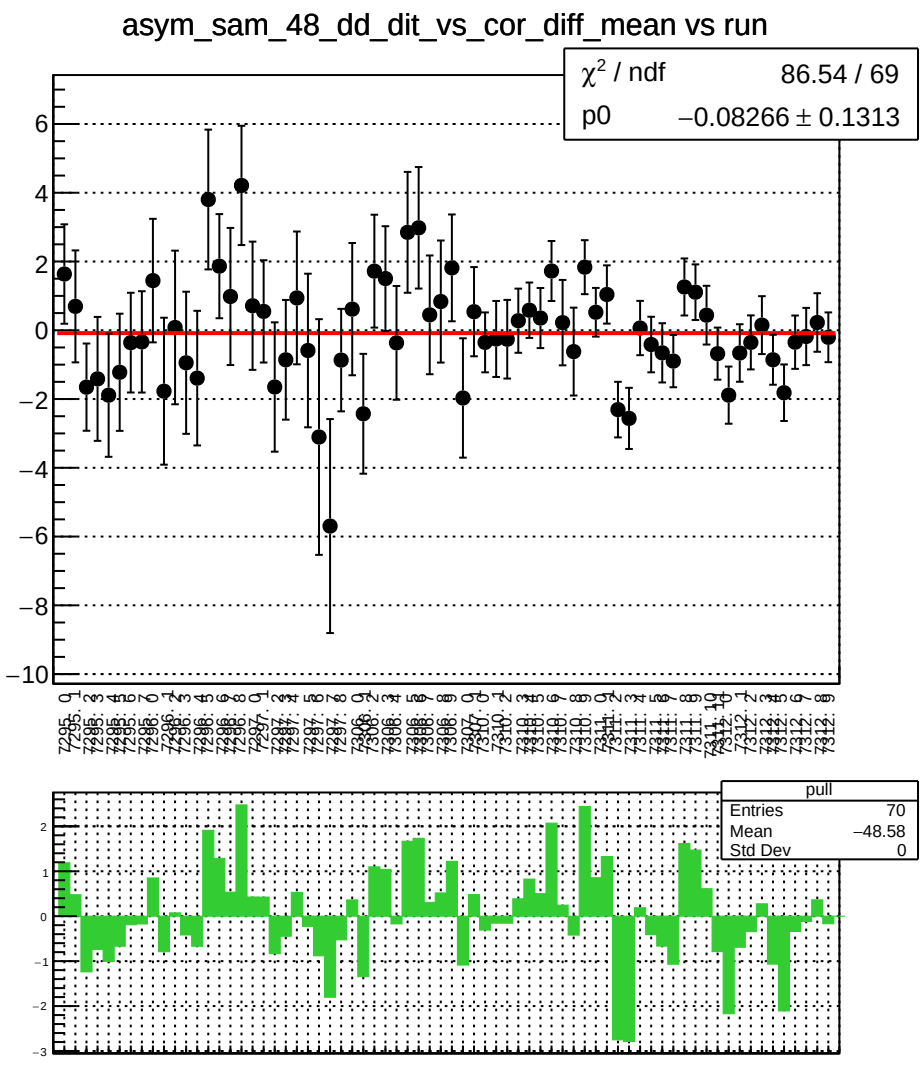

pull1D
Entries 70
Mean 0.0001683
Std Dev 0.9906

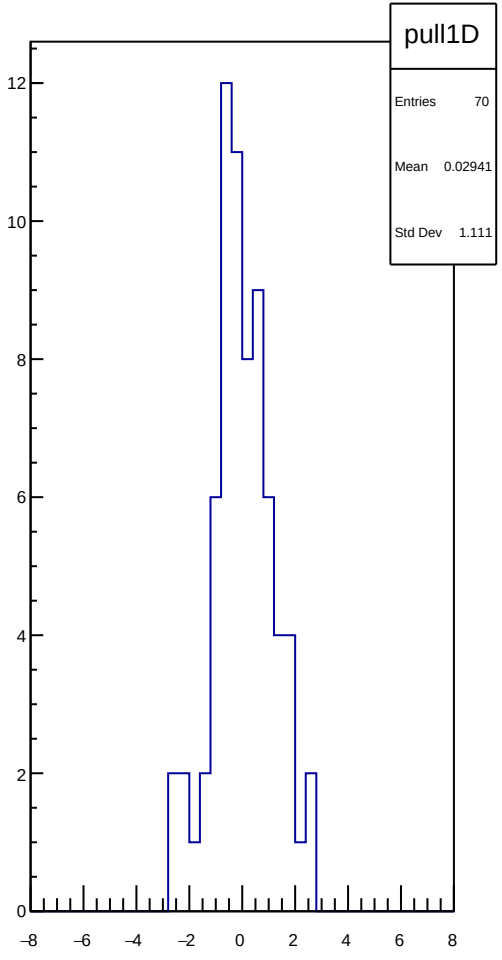

asym_sam_48_dd_rms vs run
χ^2 / ndf 6438 / 69
p0 851.2 ± 0.743
1050
1000
950
900
850
800
750

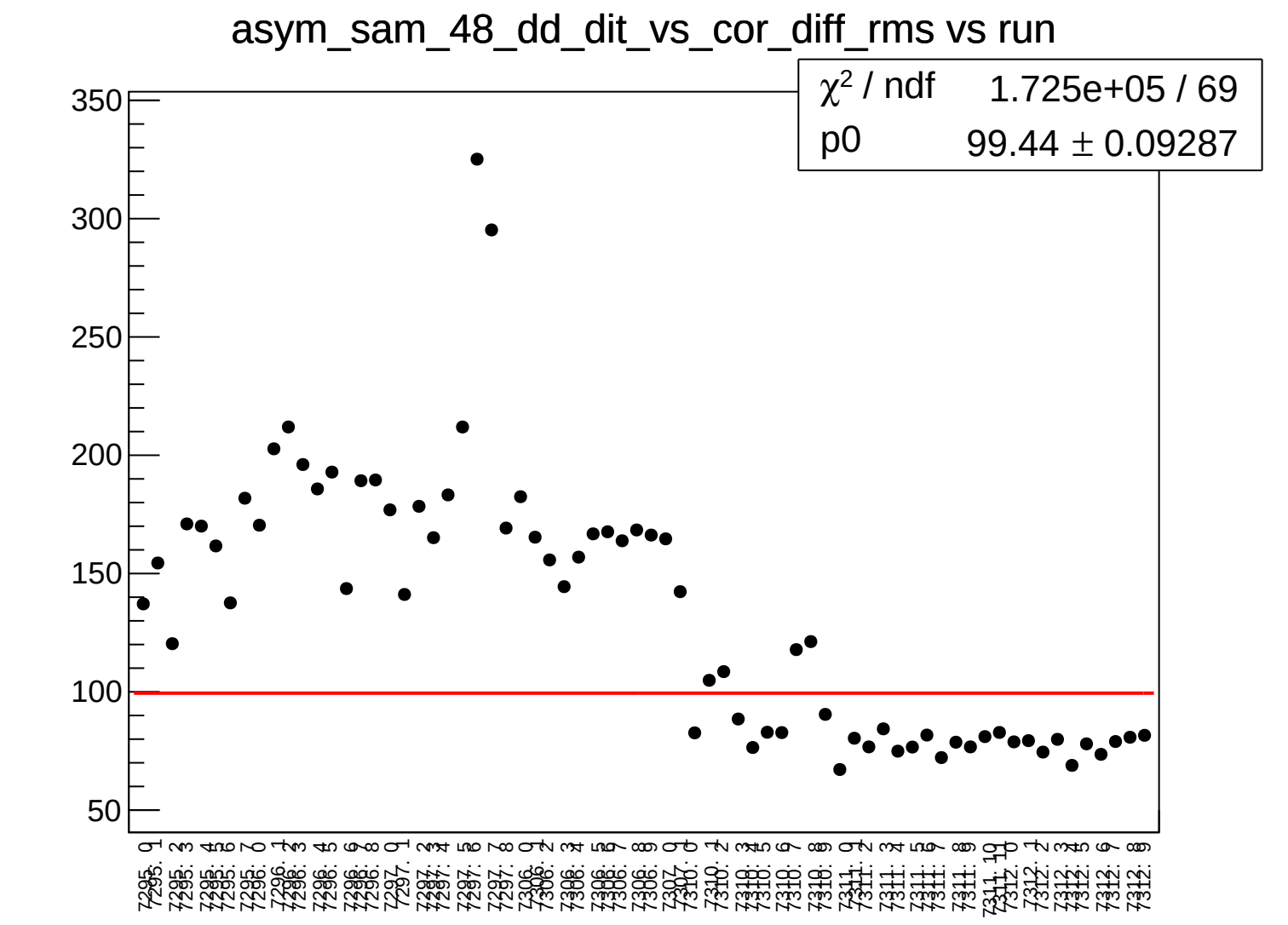

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.34 / 69
p0 −1.842e−14 ± 2.398e−14
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 70
Mean 34.37
Std Dev 21.78
3
2
1
0
−1
−2

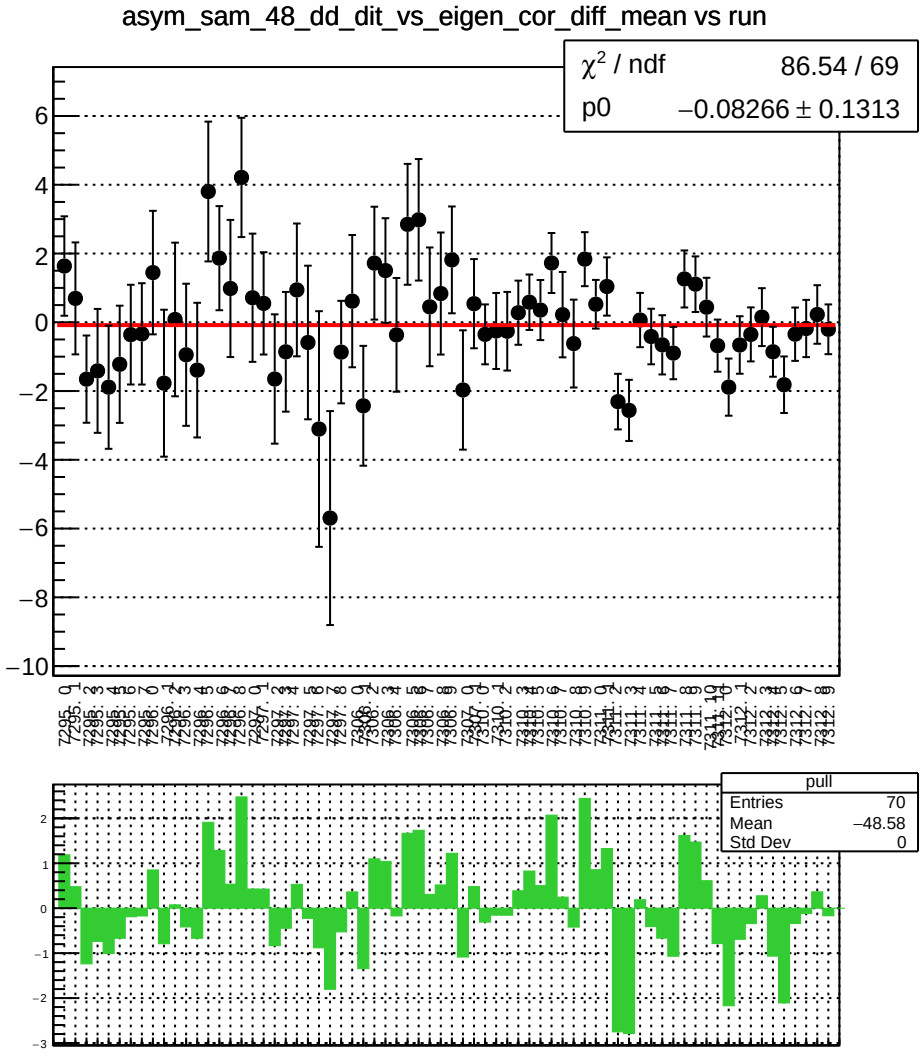

pull1D
Entries 70
Mean 0.1736
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

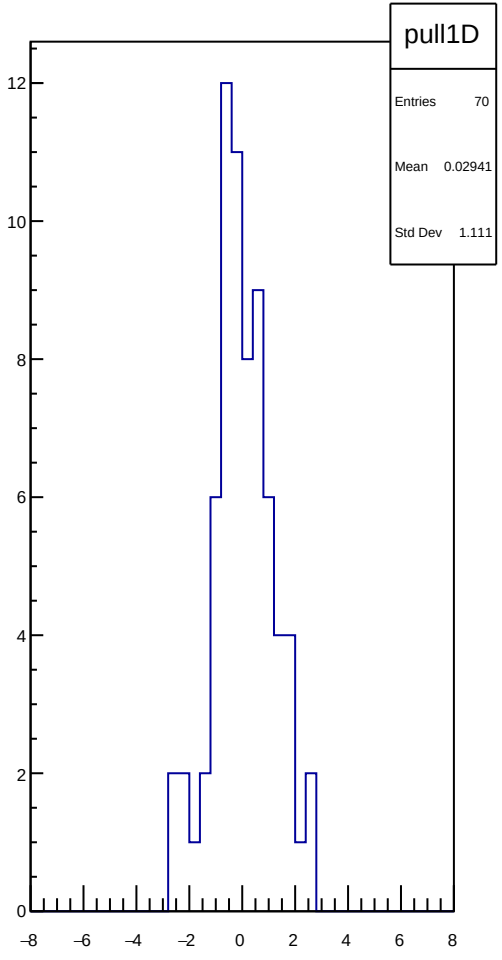

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.368e+05 / 69
p0 1.048e−11 ± 1.696e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

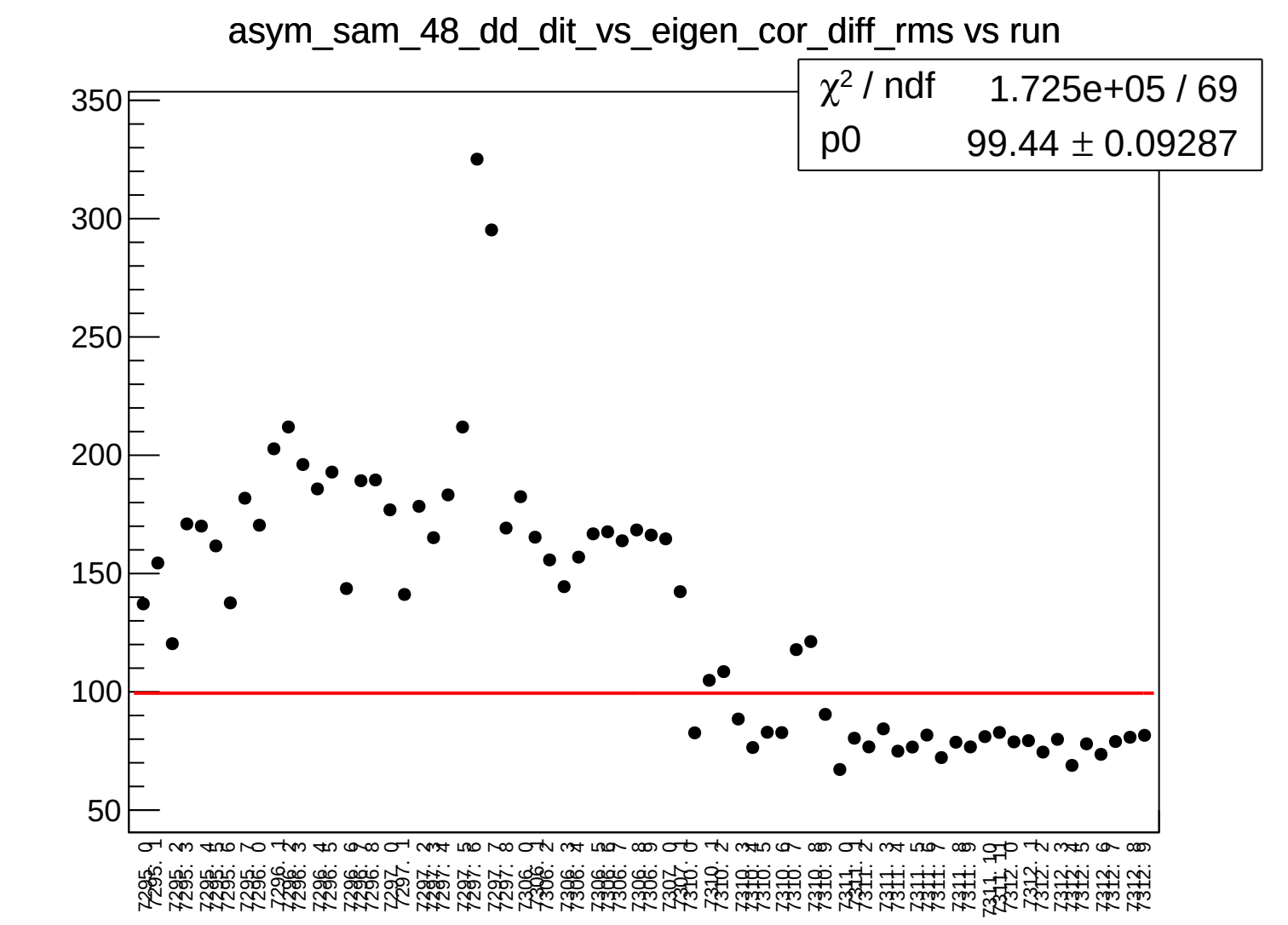

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 86.54 / 69
p0 −0.08266 ± 0.1313
pull
Entries 70
Mean −48.58
Std Dev 0

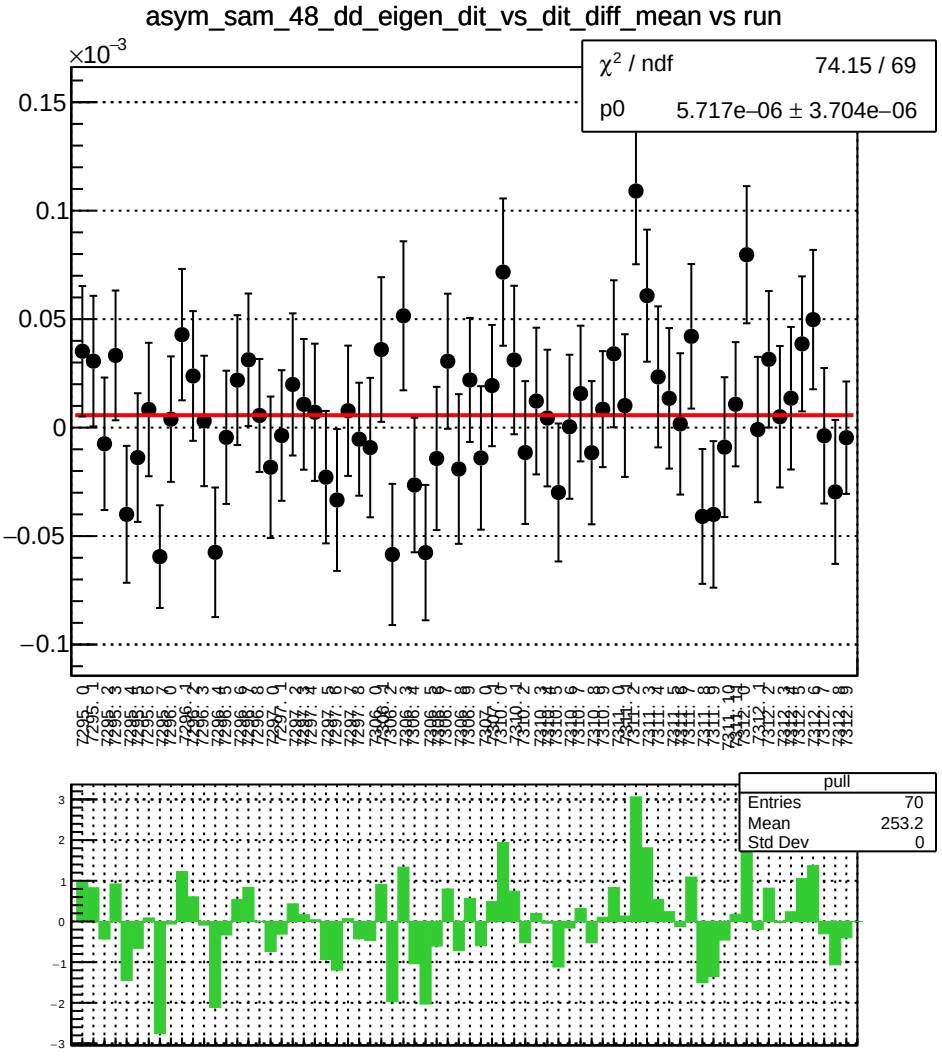

pull1D
Entries 70
Mean 0.02941
Std Dev 1.111

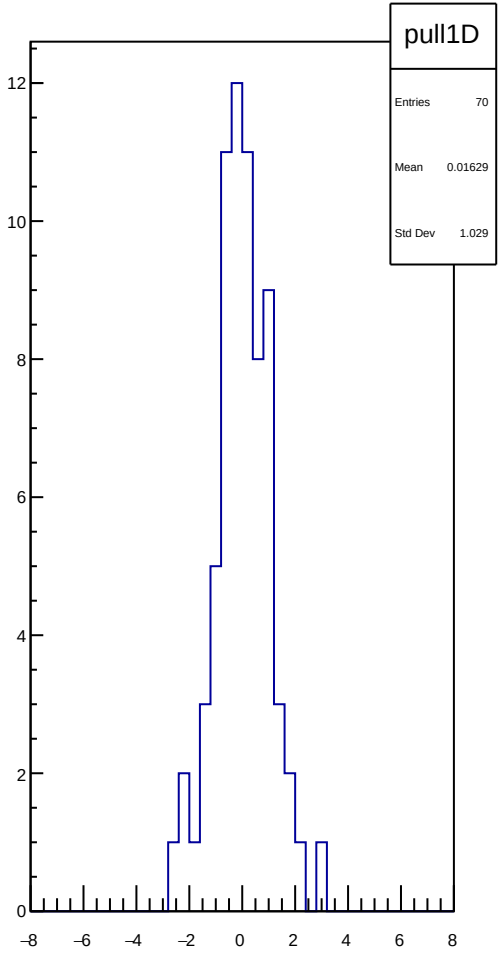

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.725e+05 / 69
p0 99.44 ± 0.09287
350
300
250
200
150
100
50

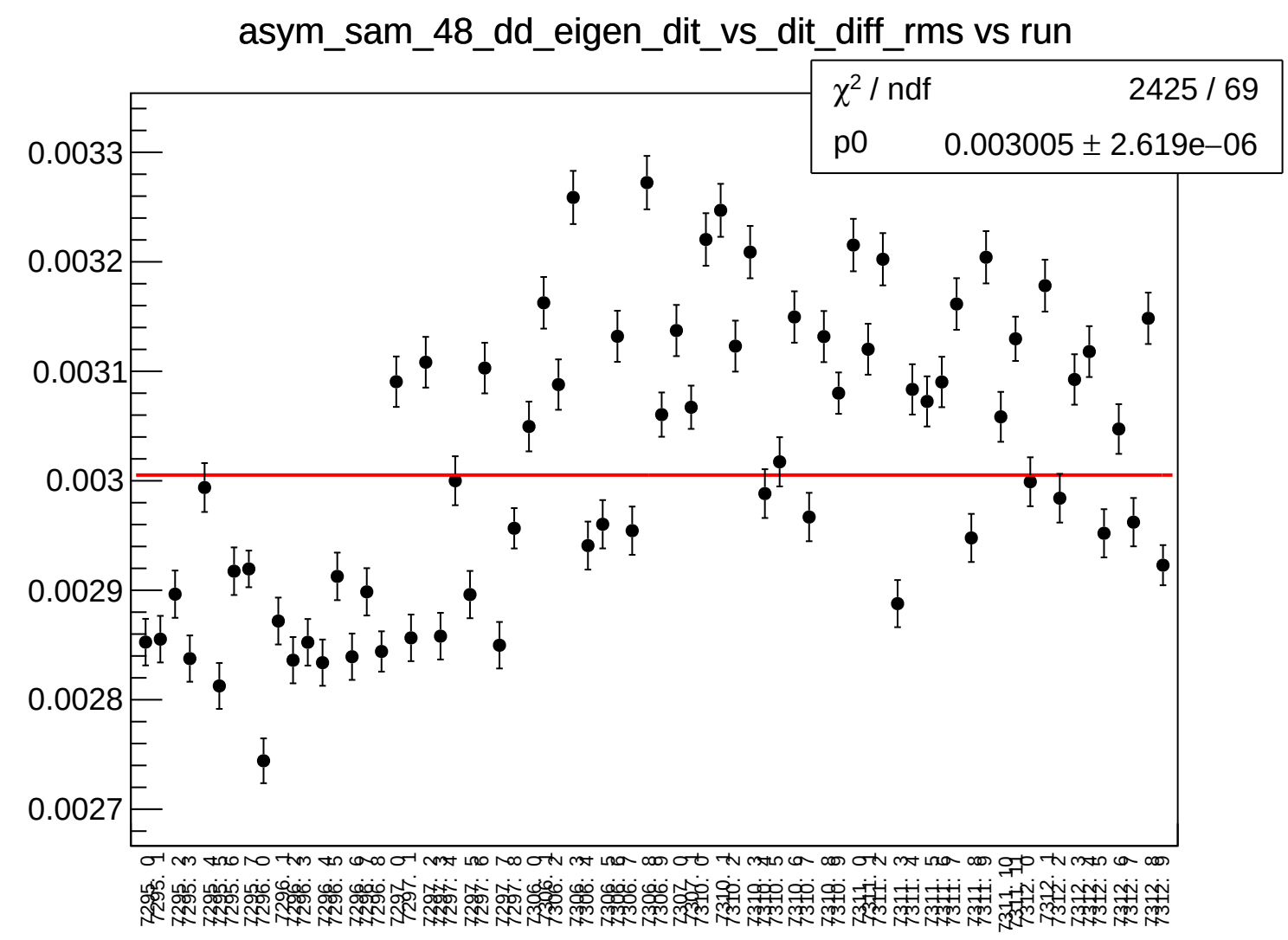

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.54 / 69
p0 −0.08266 ± 0.1313
pull
Entries 70
Mean −48.58
Std Dev 0

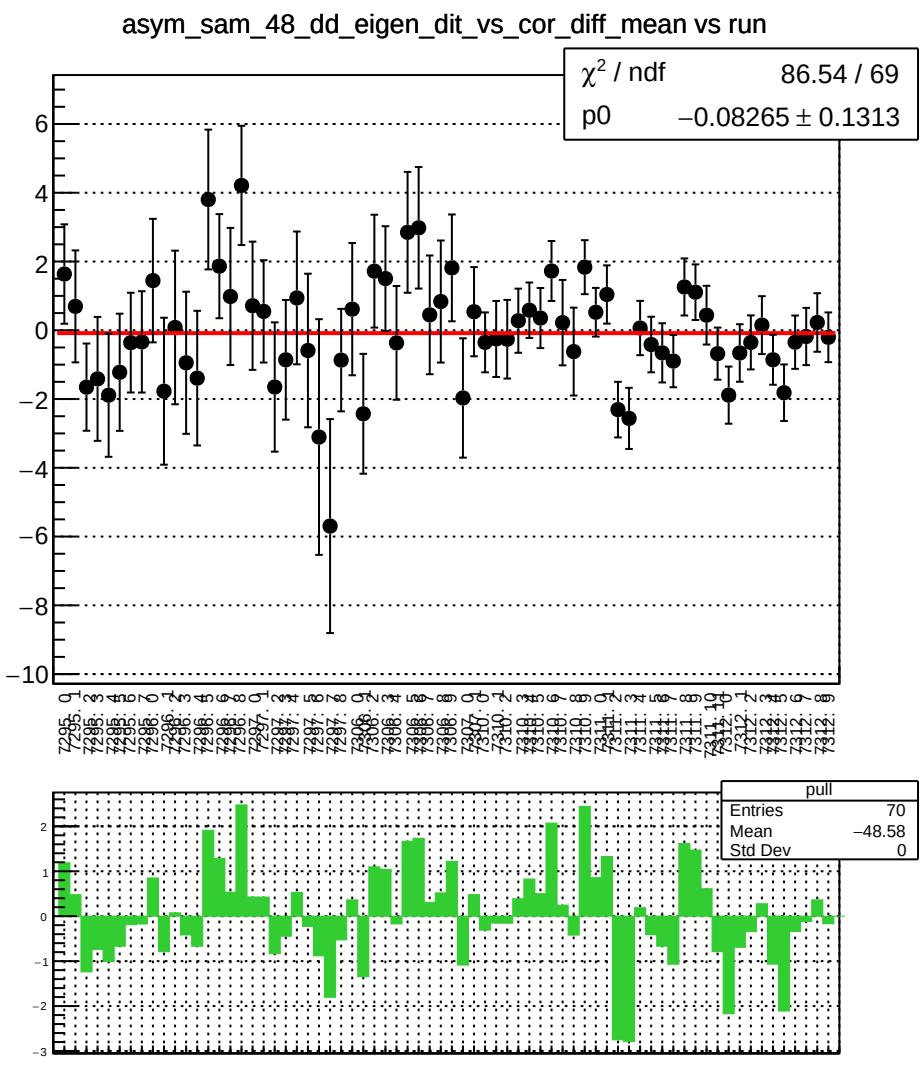

pull1D
Entries 70
Mean 0.02941
Std Dev 1.111

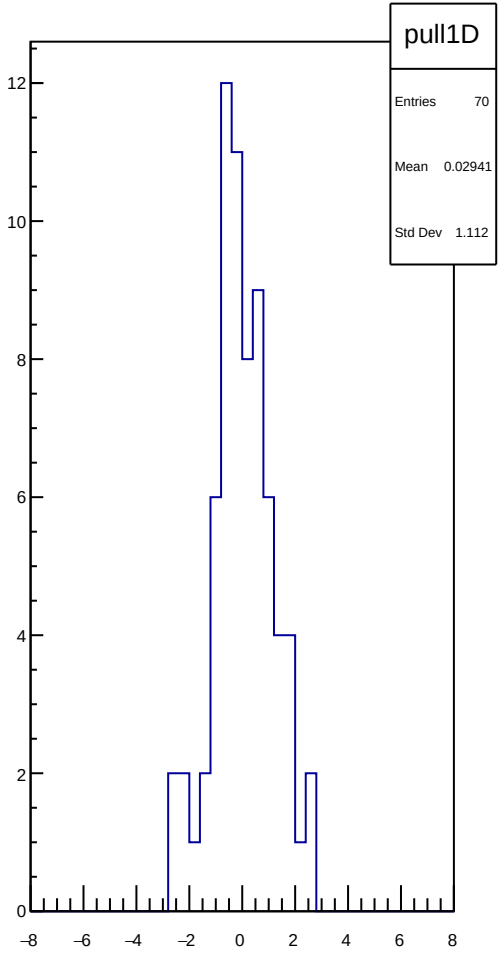

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.725e+05 / 69
p0 99.44 ± 0.09287
350
300
250
200
150
100
50

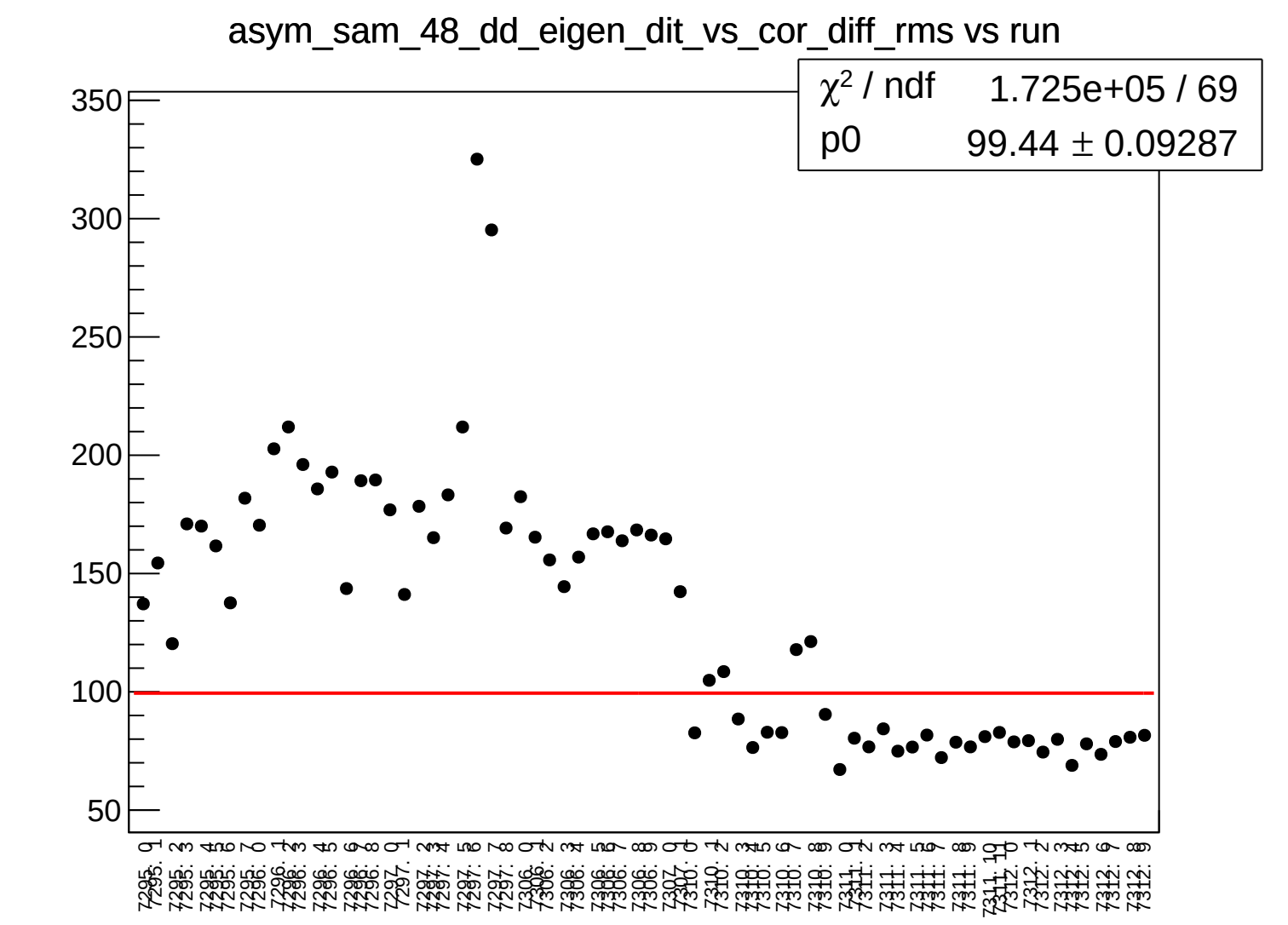

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.15 / 69
p0 5.717e−06 ± 3.704e−06
pull
Entries 70
Mean 253.2
Std Dev 0

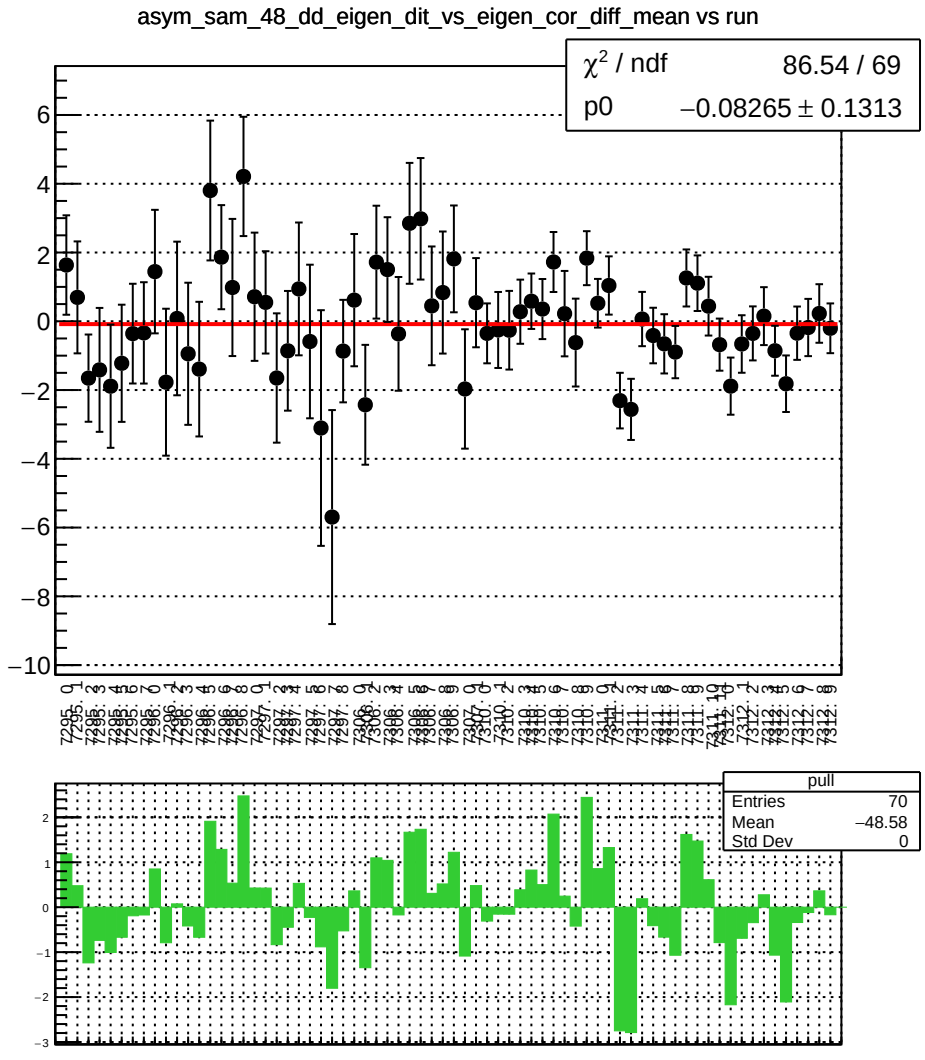

pull1D
Entries 70
Mean 0.01629
Std Dev 1.029

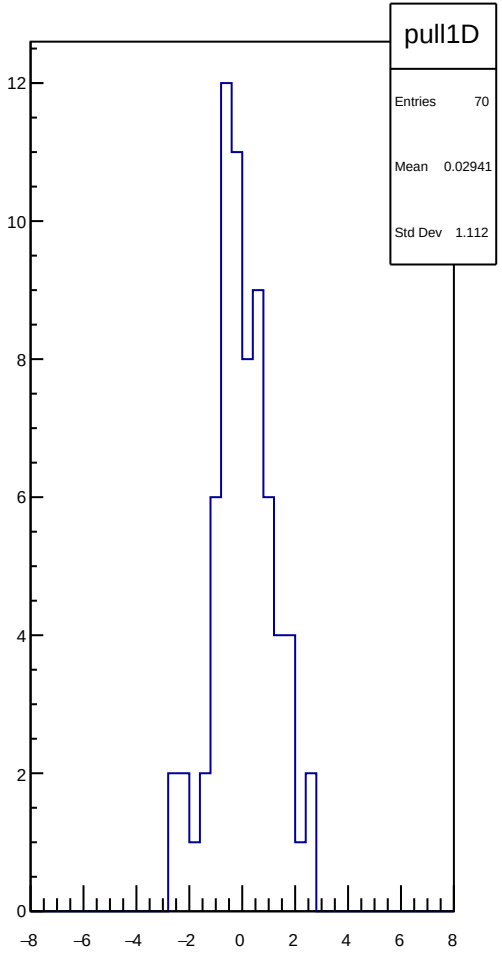

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2425 / 69
p0 0.003005 ± 2.619e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027

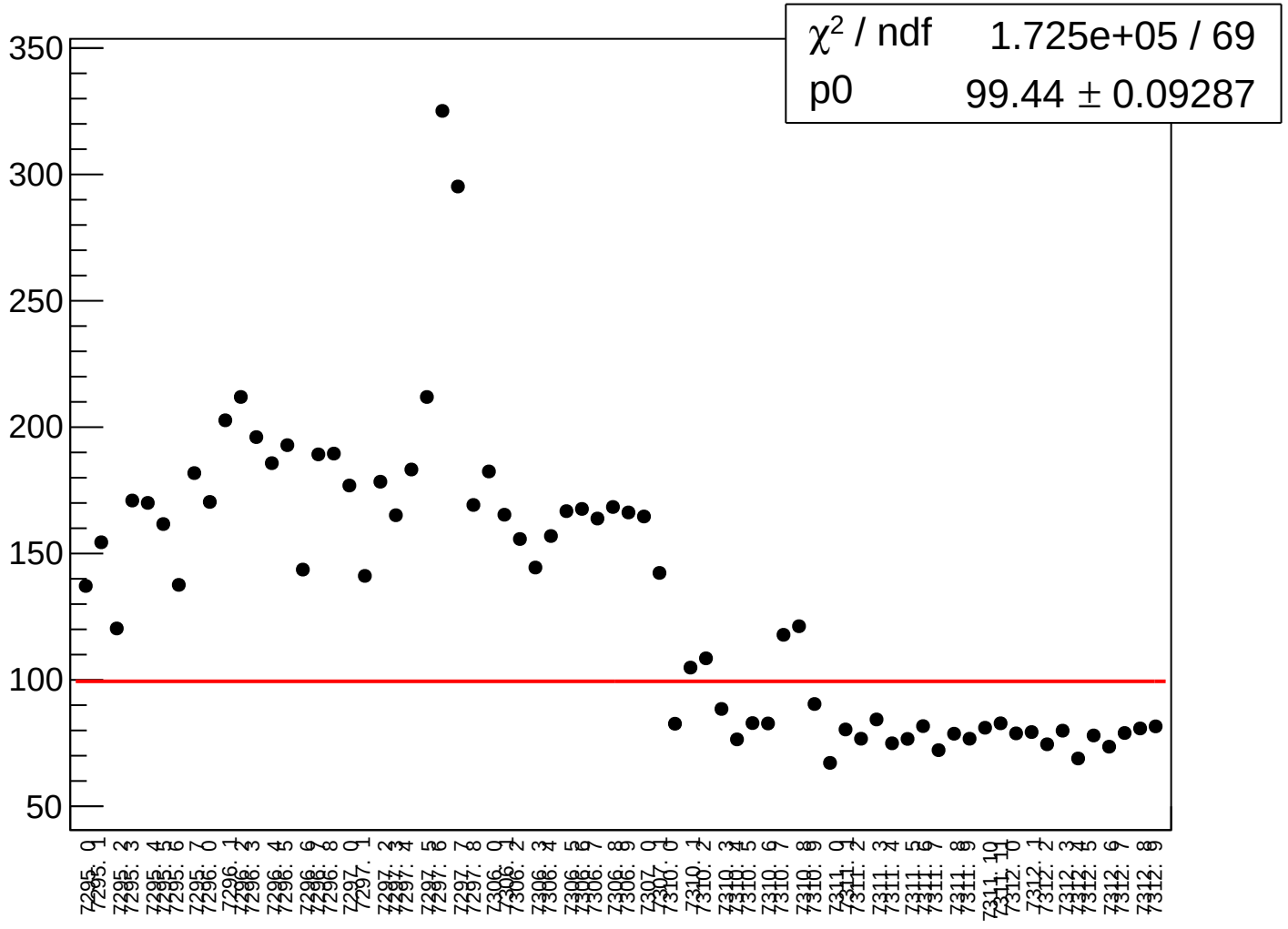

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.54 / 69
p0 −0.08265 ± 0.1313
pull
Entries 70
Mean −48.58
Std Dev 0

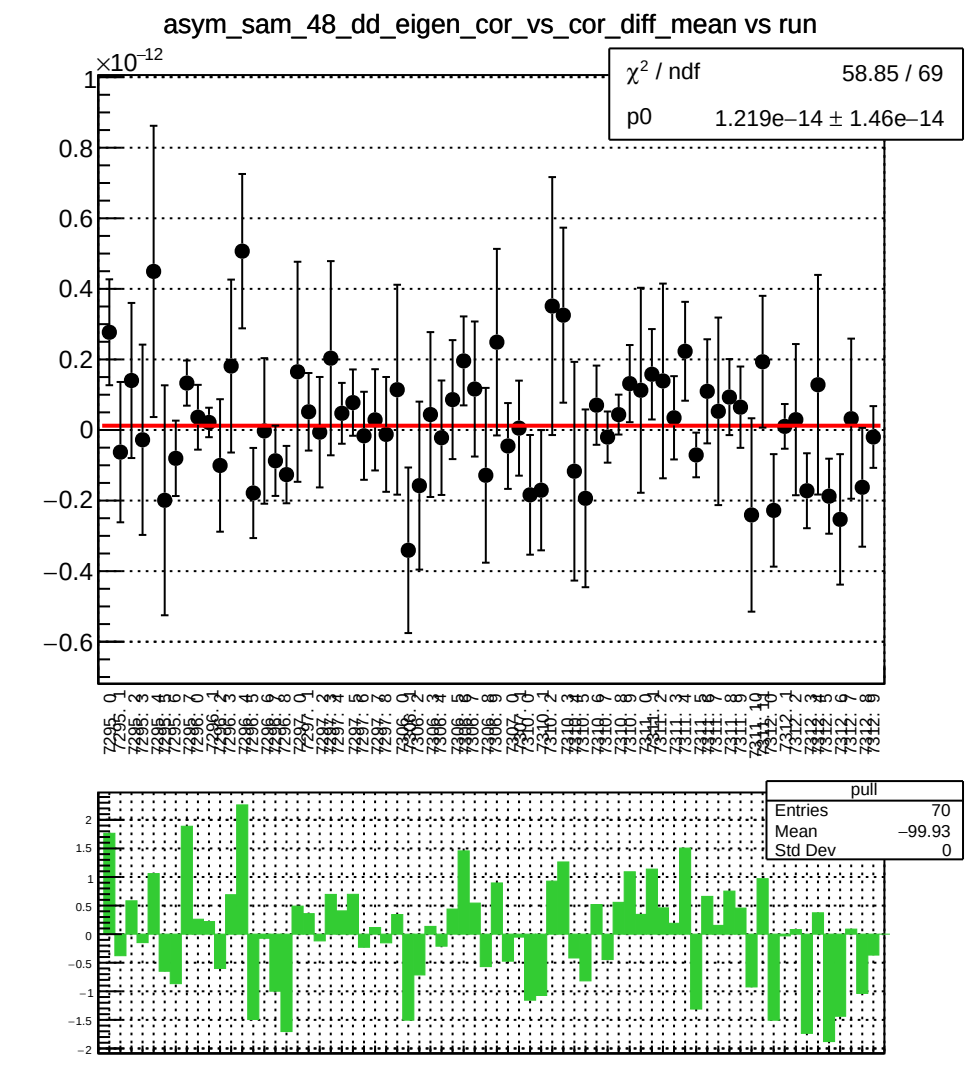

pull1D
Entries 70
Mean 0.02941
Std Dev 1.112

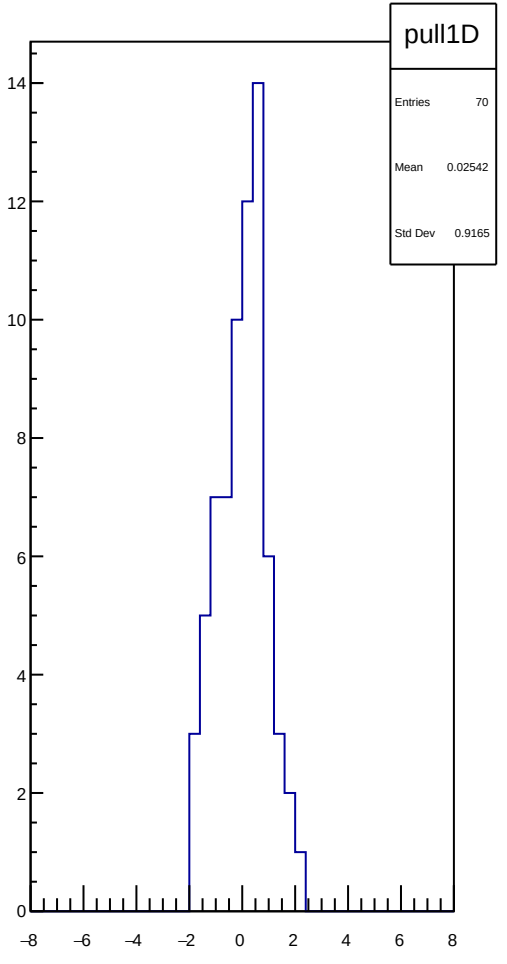

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.725e+05 / 69
p0 99.44 ± 0.09287
350
300
250
200
150
100
50

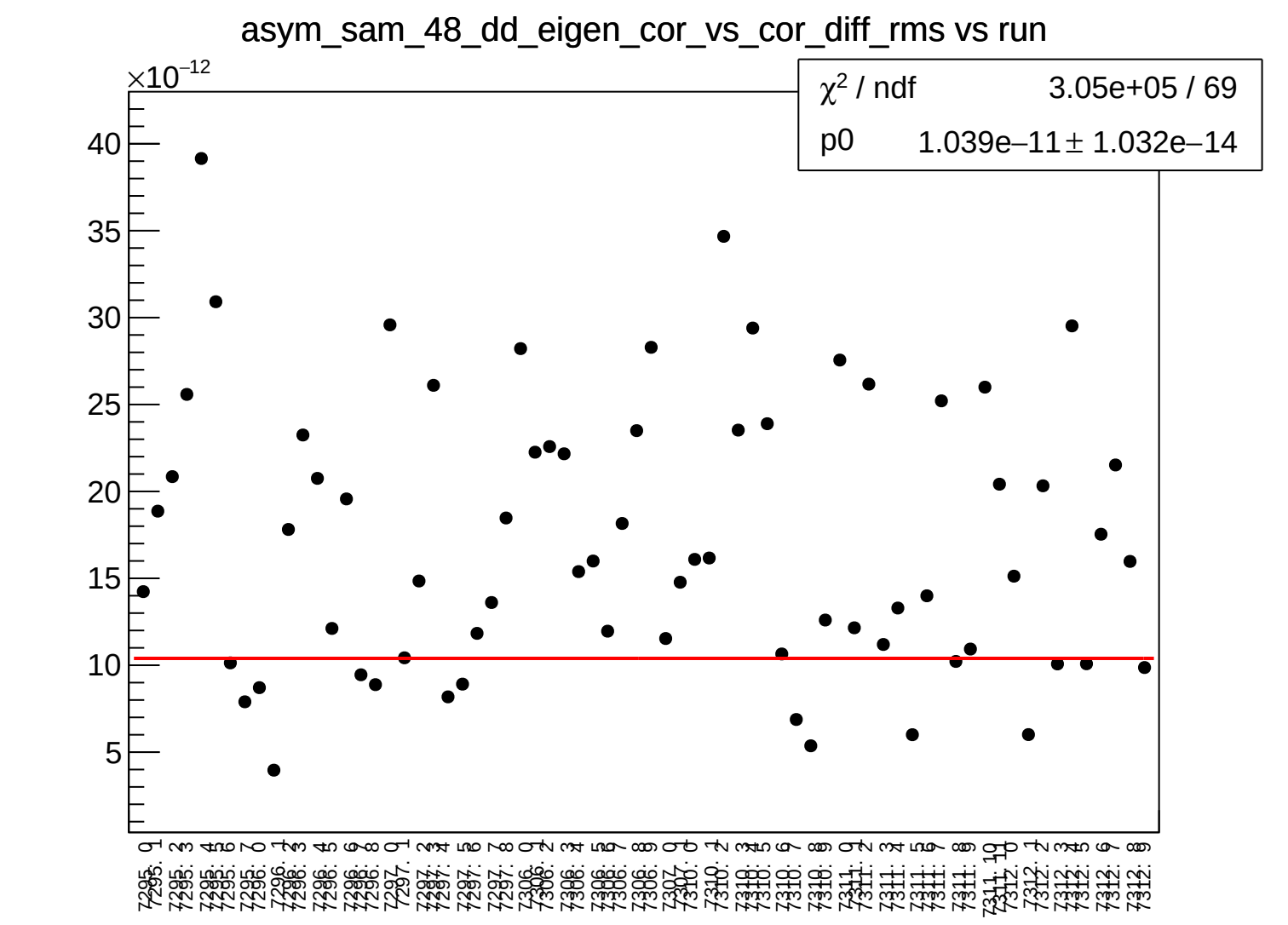

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.54 / 69
p0 −0.08265 ± 0.1313
pull
Entries 70
Mean −48.58
Std Dev 0

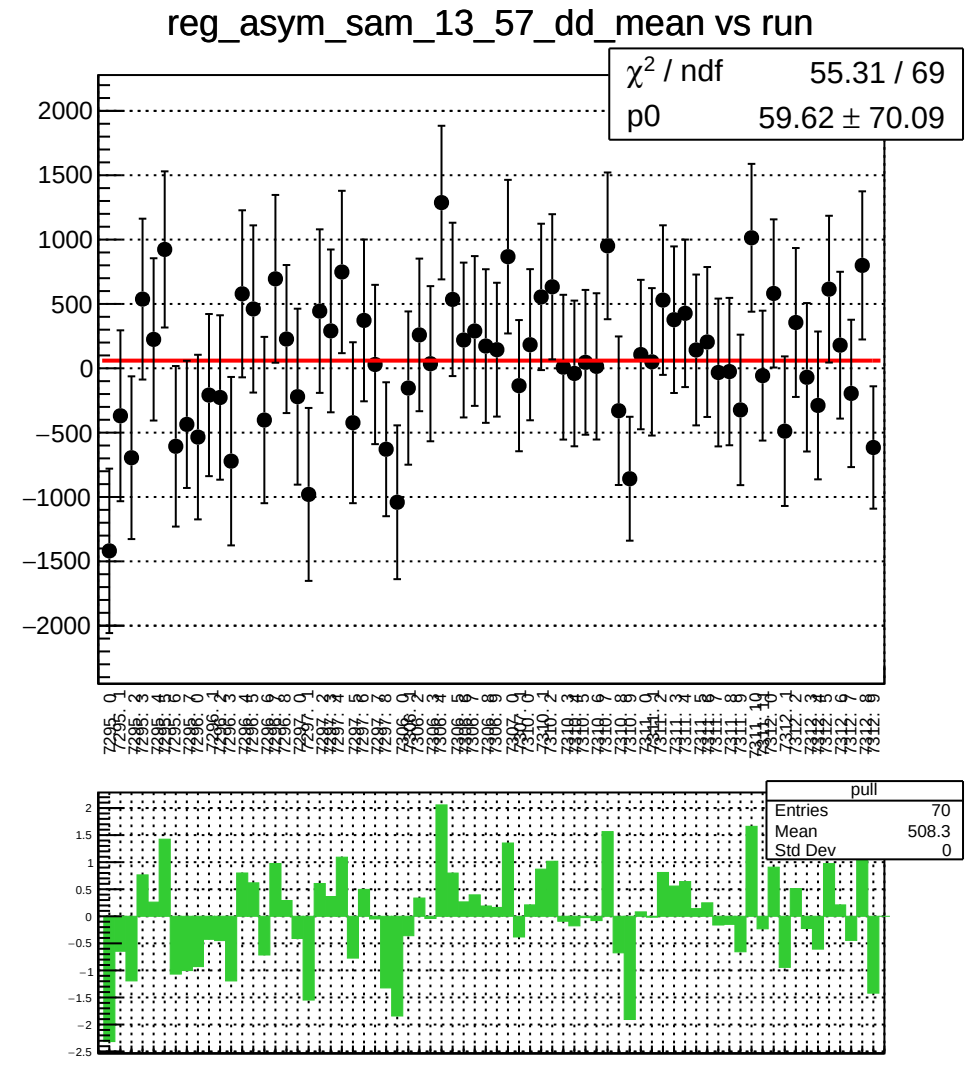

pull1D
Entries 70
Mean 0.02941
Std Dev 1.112

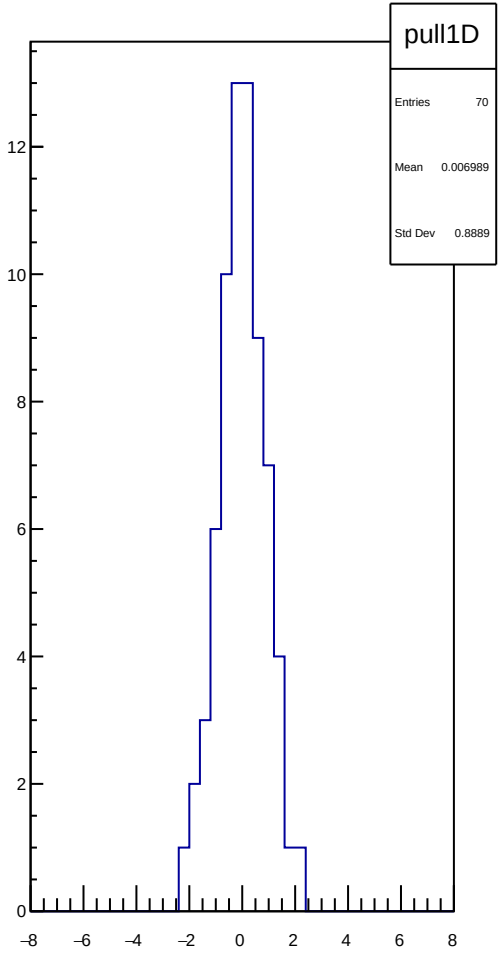

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.725e+05 / 69
p0 99.44 ± 0.09287
350
300
250
200
150
100
50

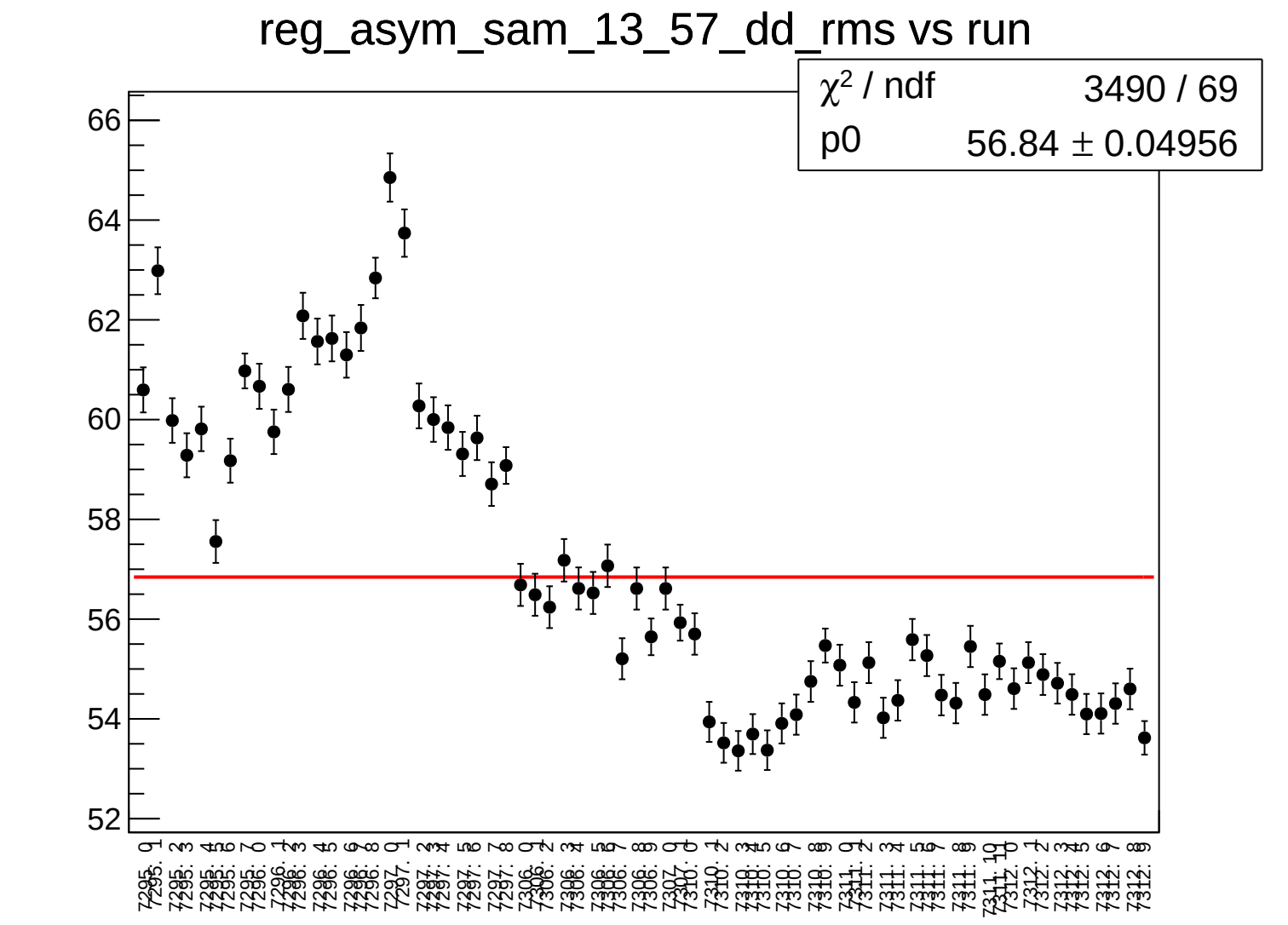

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.85 / 69
p0 1.219e−14 ± 1.46e−14
pull
Entries 70
Mean −99.93
Std Dev 0

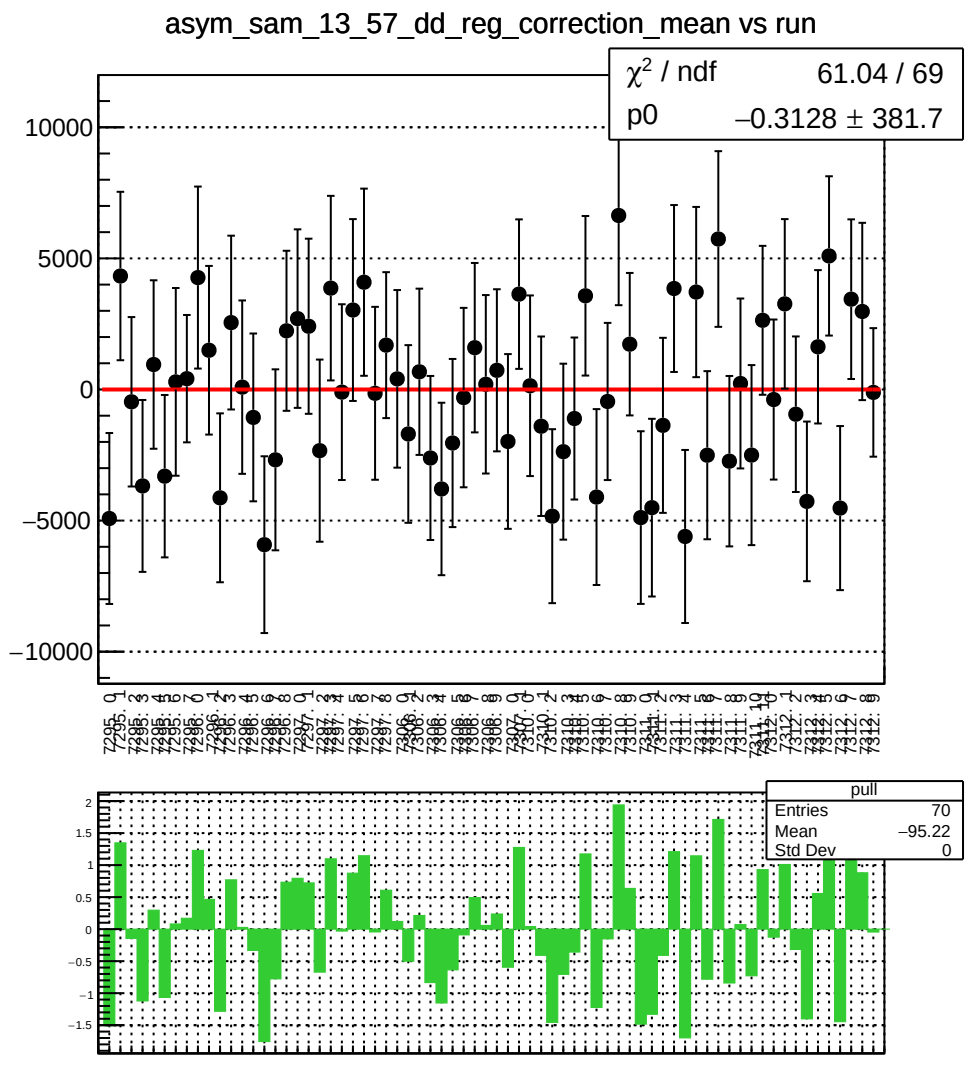

pull1D
Entries 70
Mean 0.02542
Std Dev 0.9165

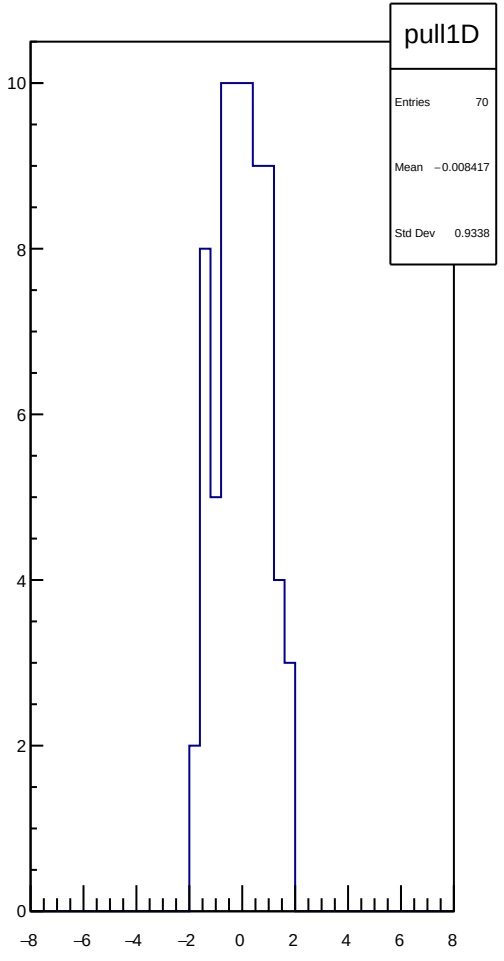

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.05e+05 / 69
p0 1.039e−11 ± 1.032e−14
40
35
30
25
20
15
10
5

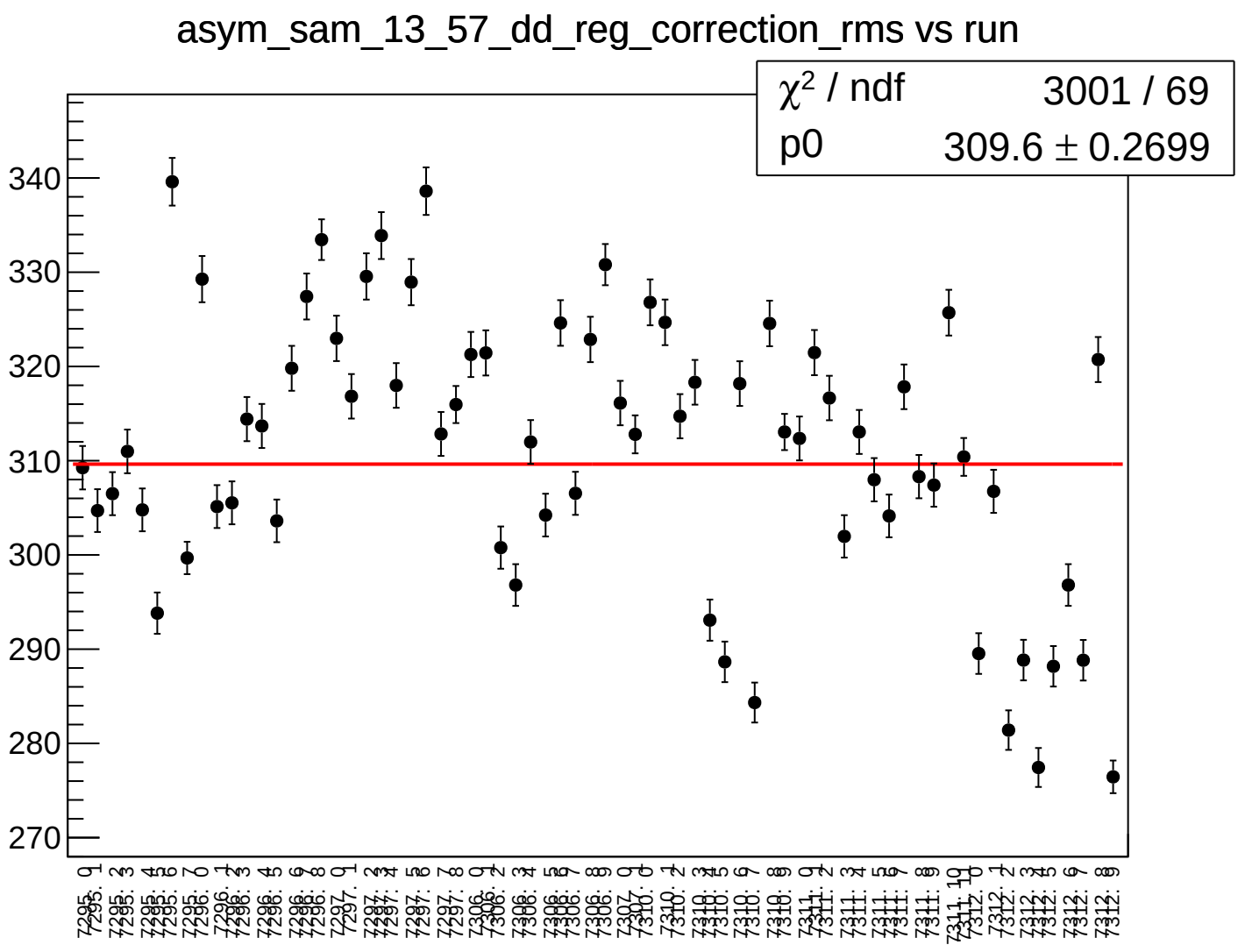

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.31 / 69
p0 59.62 ± 70.09
pull
Entries 70
Mean 508.3
Std Dev 0

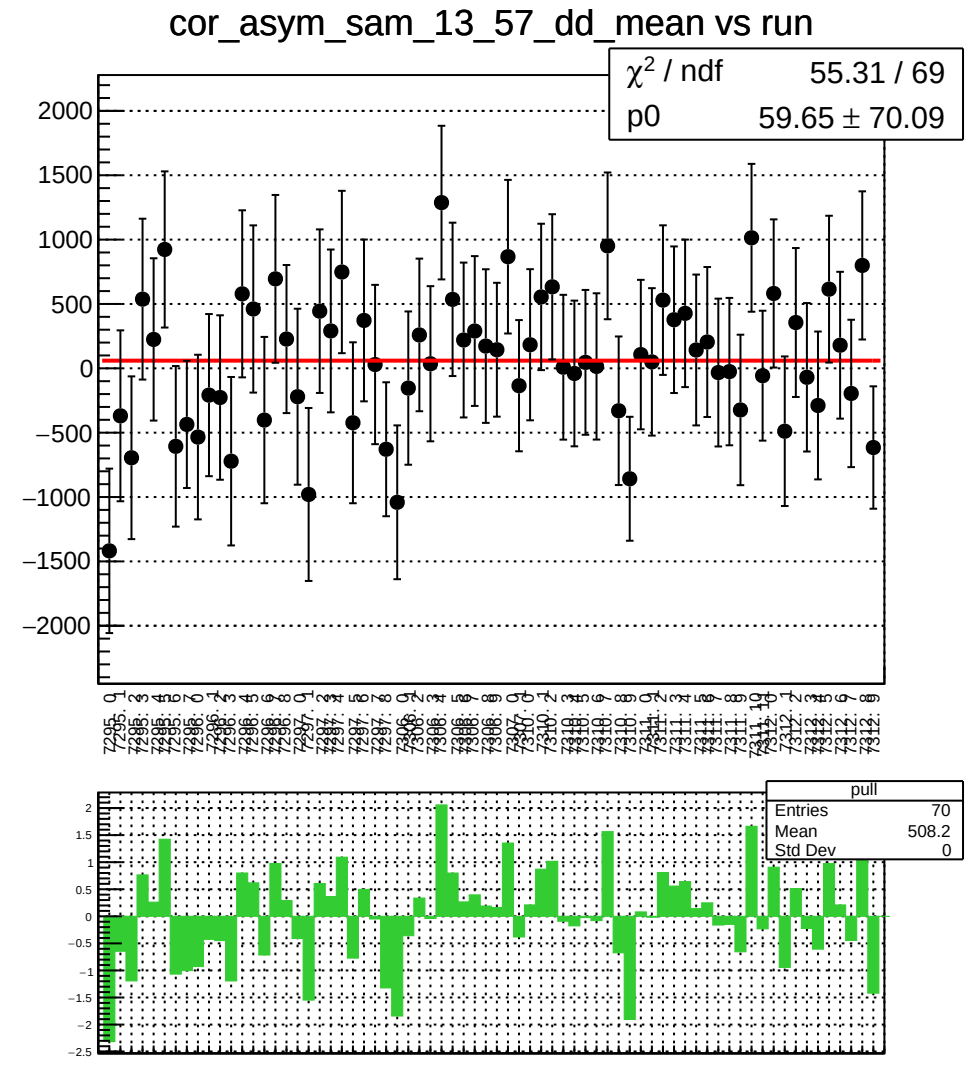

pull1D
Entries 70
Mean 0.006989
Std Dev 0.8889

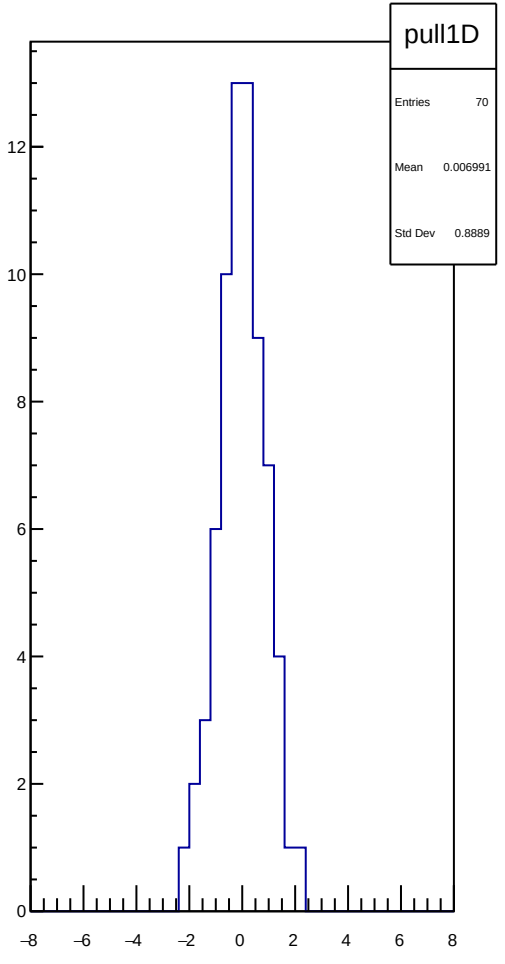

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 3490 / 69
p0 56.84 ± 0.04956
66
64
62
60
58
56
54
52

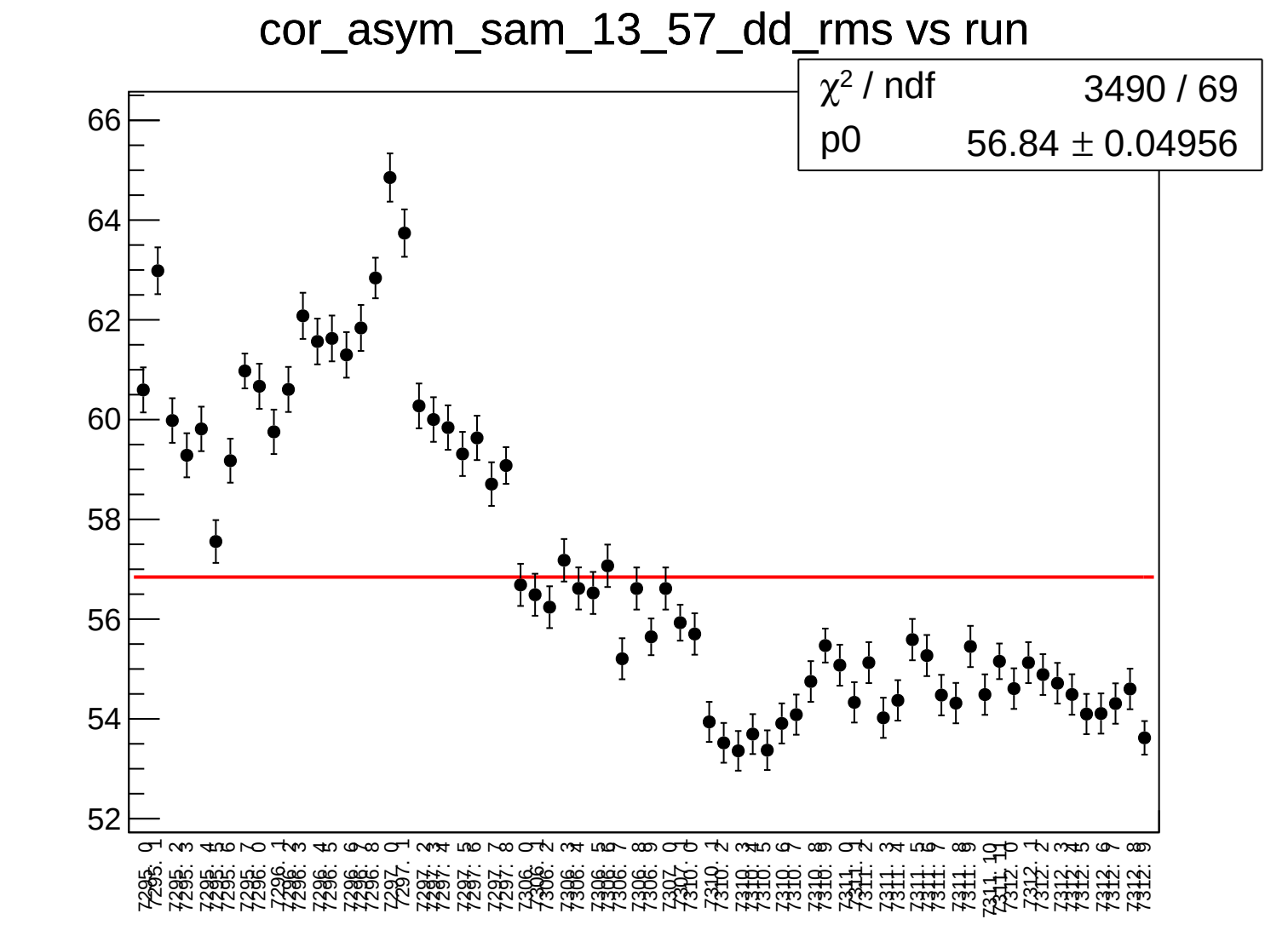

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 61.04 / 69
p0 −0.3128 ± 381.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −95.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

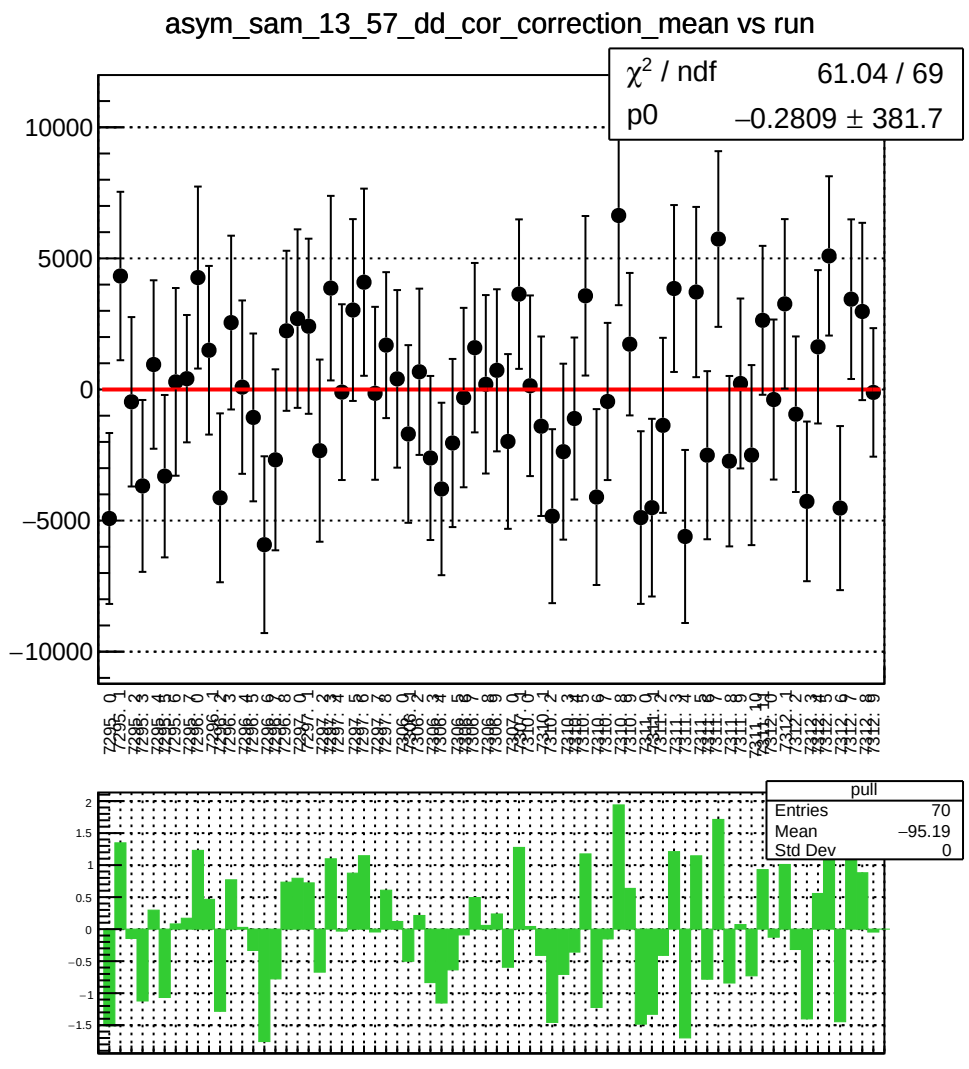

pull1D
Entries 70
Mean −0.008417
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

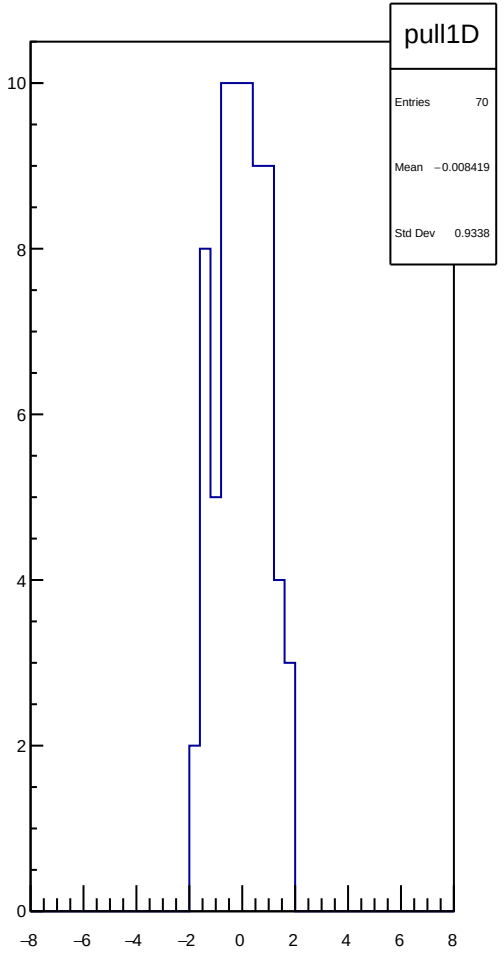

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 3001 / 69
p0 309.6 ± 0.2699
340
330
320
310
300
290
280
270

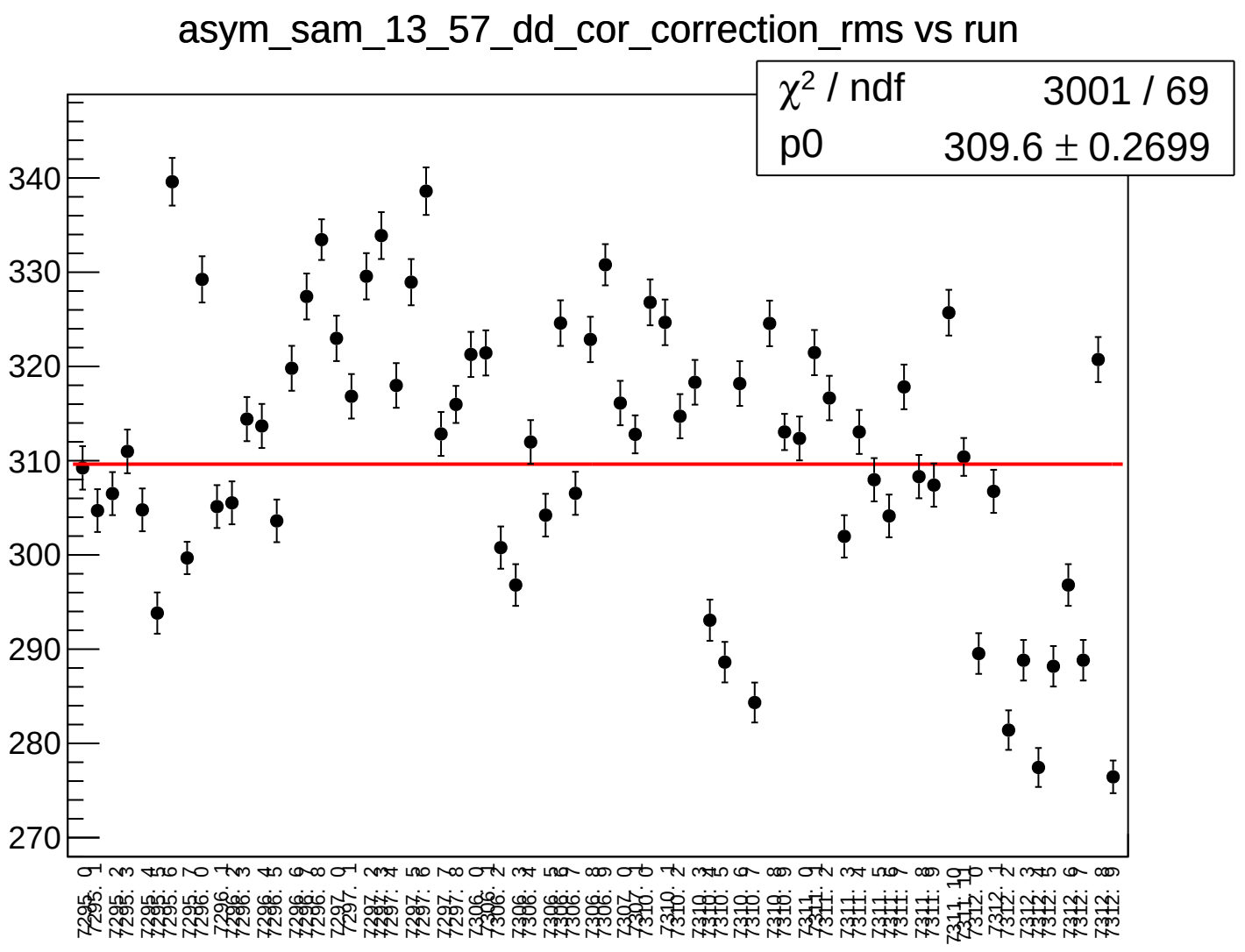

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.31 / 69
p0 59.65 ± 70.09
pull
Entries 70
Mean 508.2
Std Dev 0

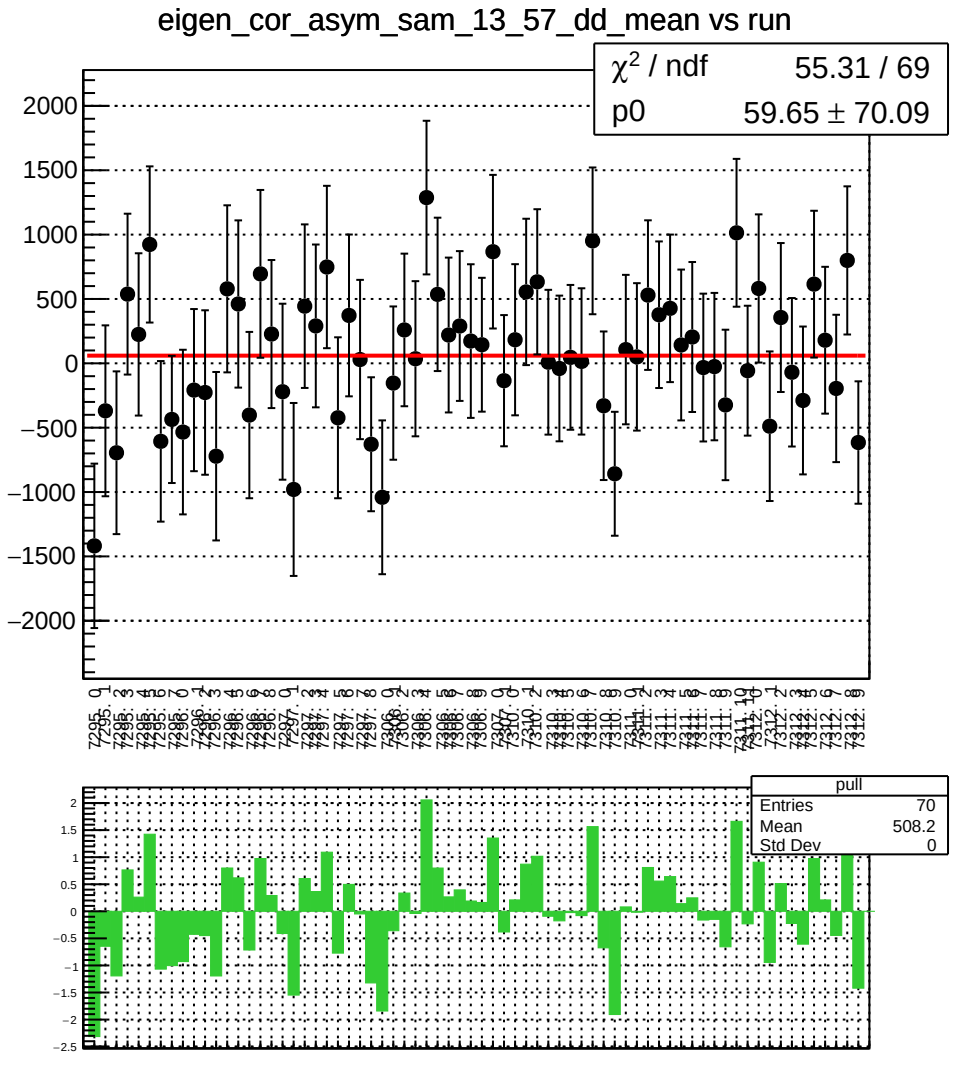

pull1D
Entries 70
Mean 0.006991
Std Dev 0.8889

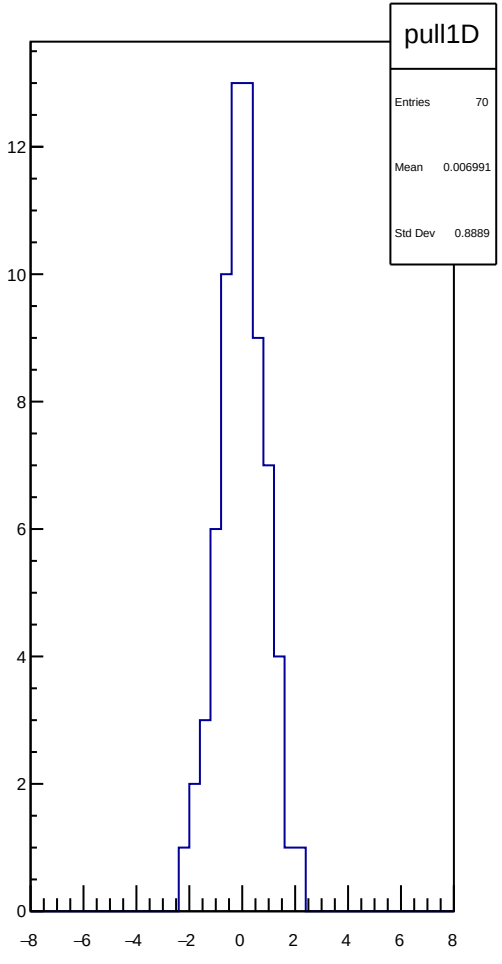

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 3490 / 69
p0 56.84 ± 0.04956
66
64
62
60
58
56
54
52

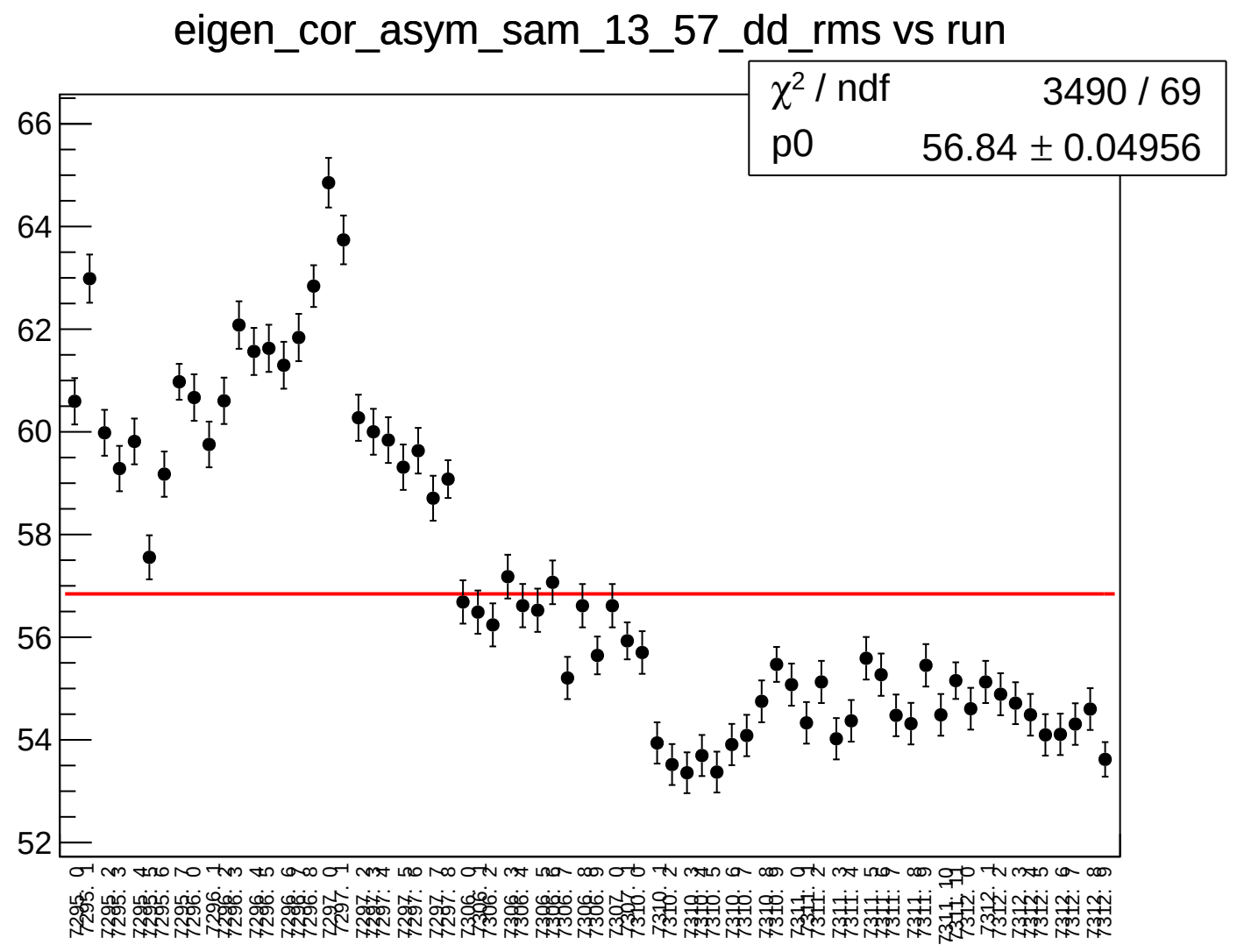

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 61.04 / 69
p0 −0.2809 ± 381.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −95.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

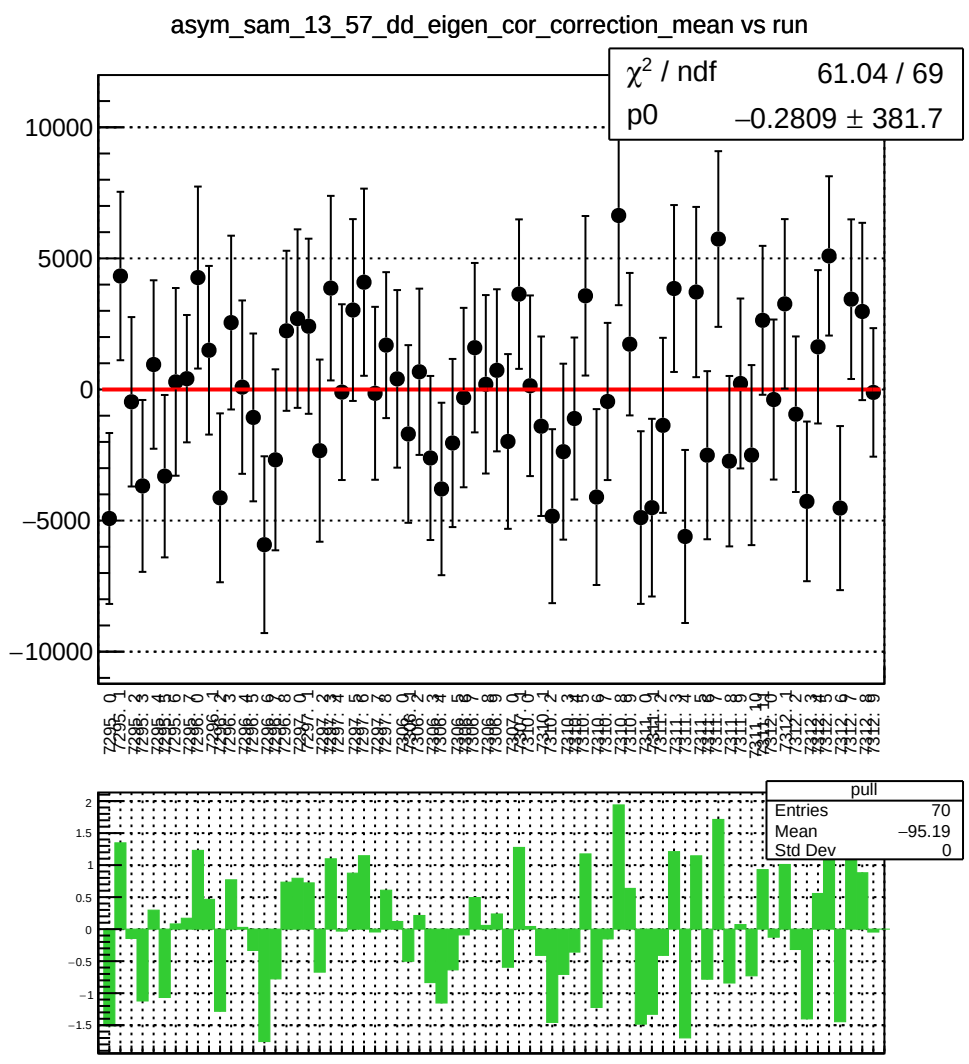

pull1D
Entries 70
Mean −0.008419
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

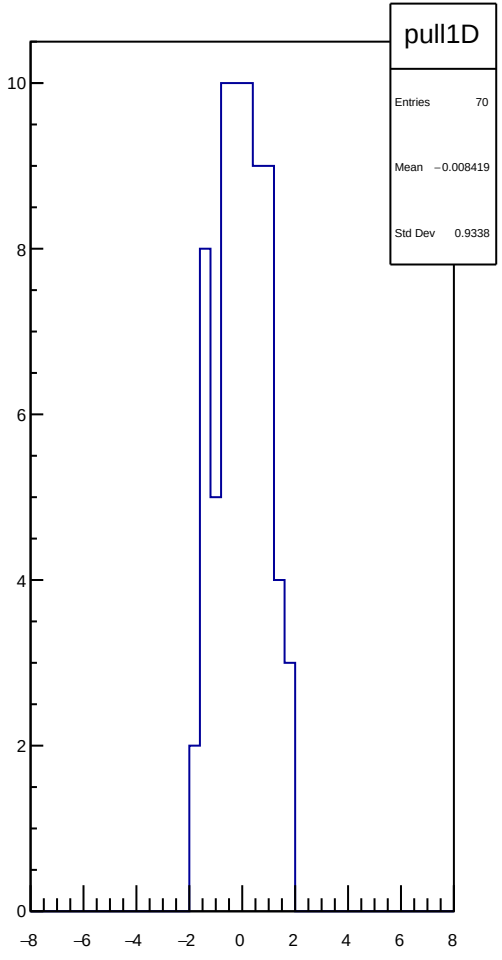

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 3001 / 69
p0 309.6 ± 0.2699
340
330
320
310
300
290
280
270

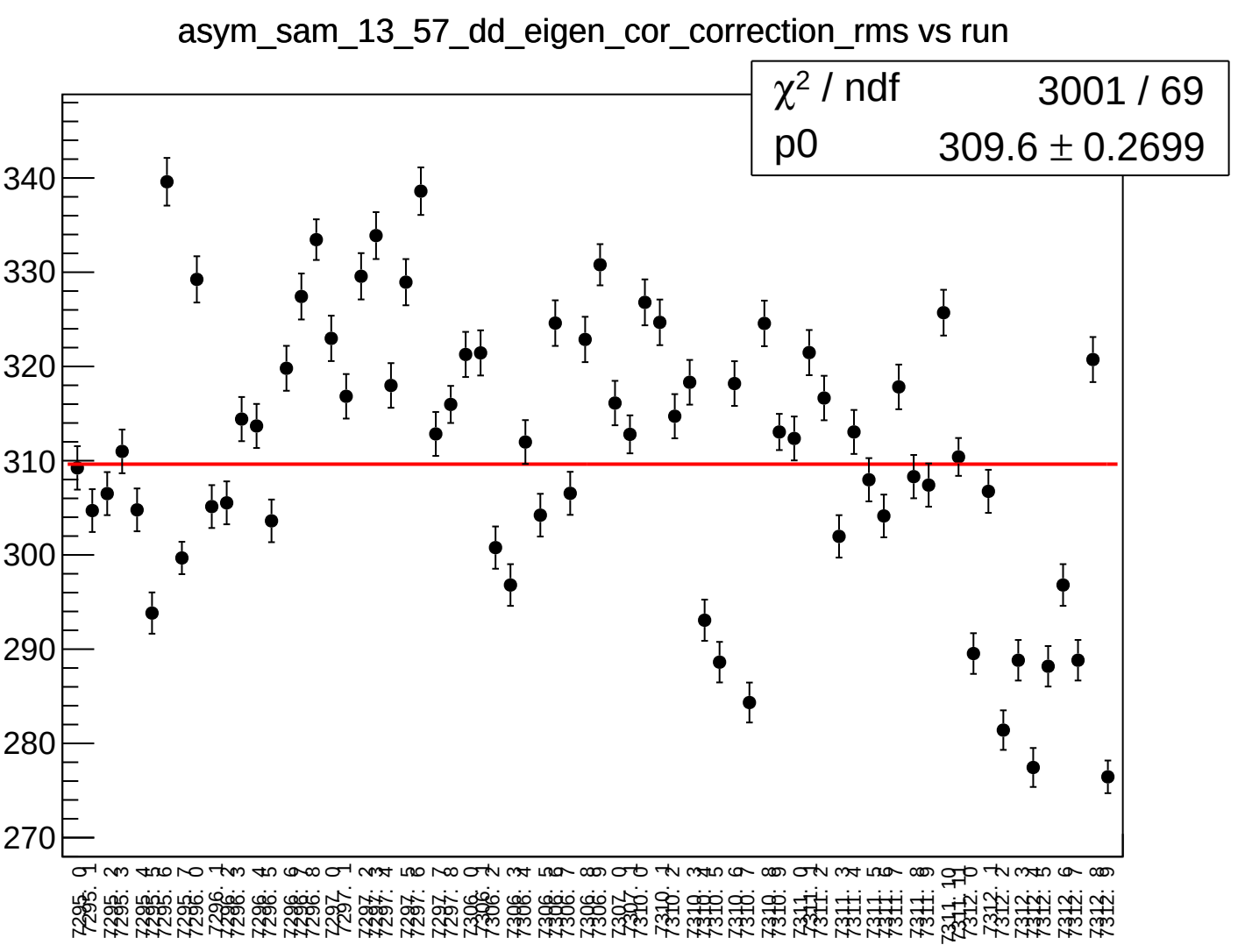

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.31 / 69
p0 59.65 ± 70.09
pull
Entries 70
Mean 508.2
Std Dev 0

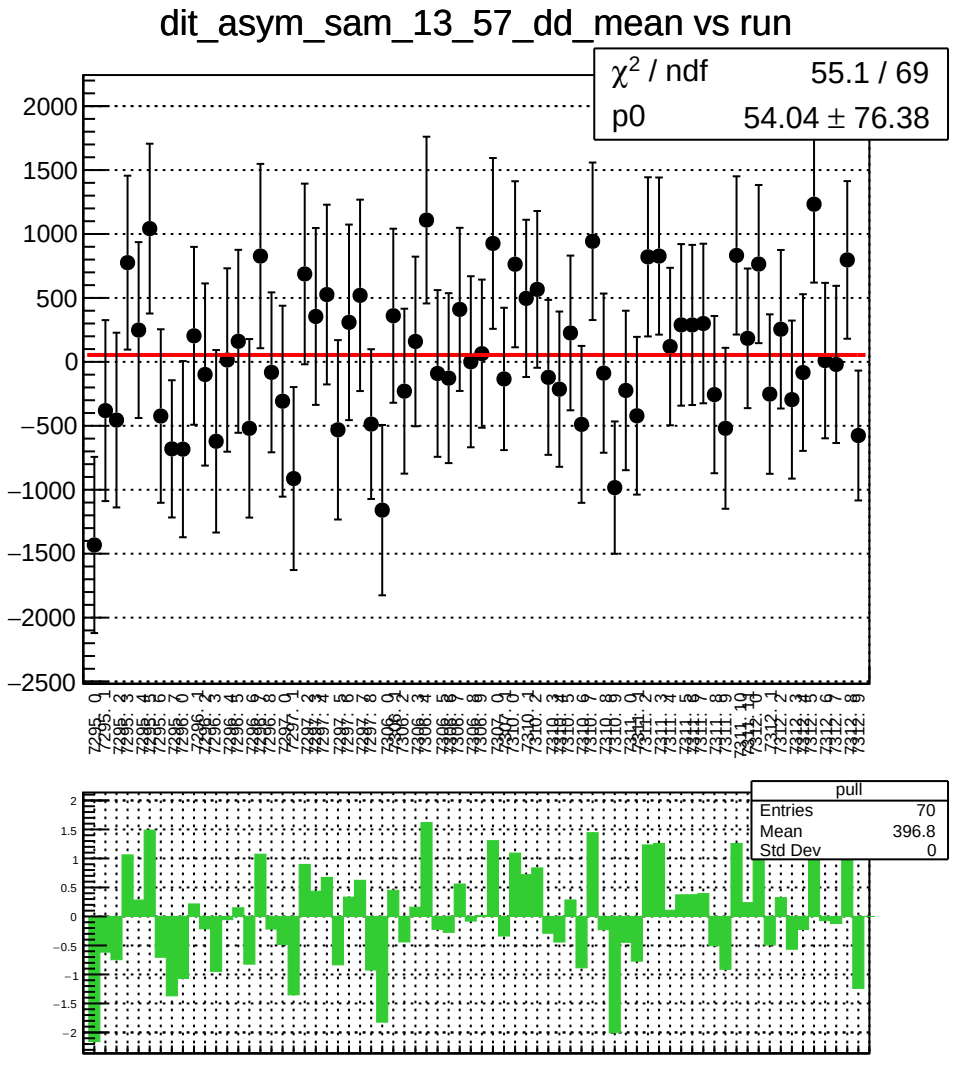

pull1D
Entries 70
Mean 0.006991
Std Dev 0.8889

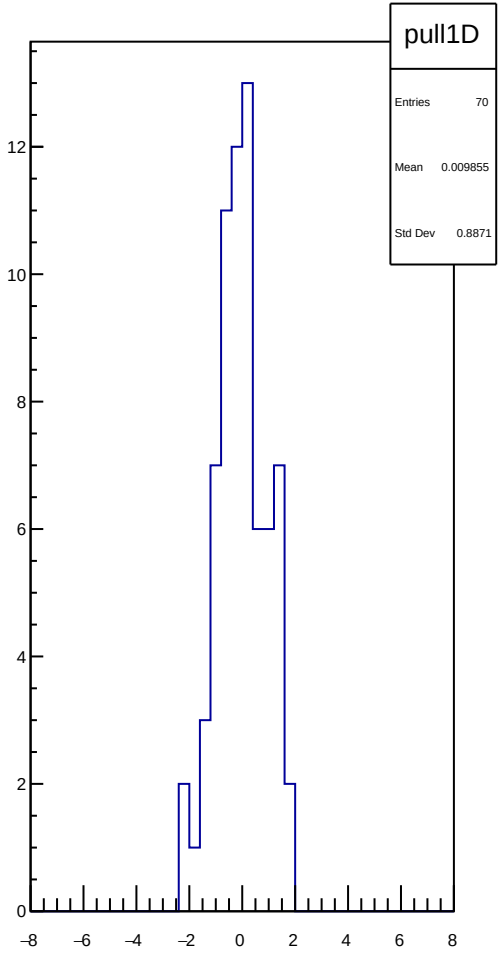

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 3490 / 69
p0 56.84 ± 0.04956
66
64
62
60
58
56
54
52

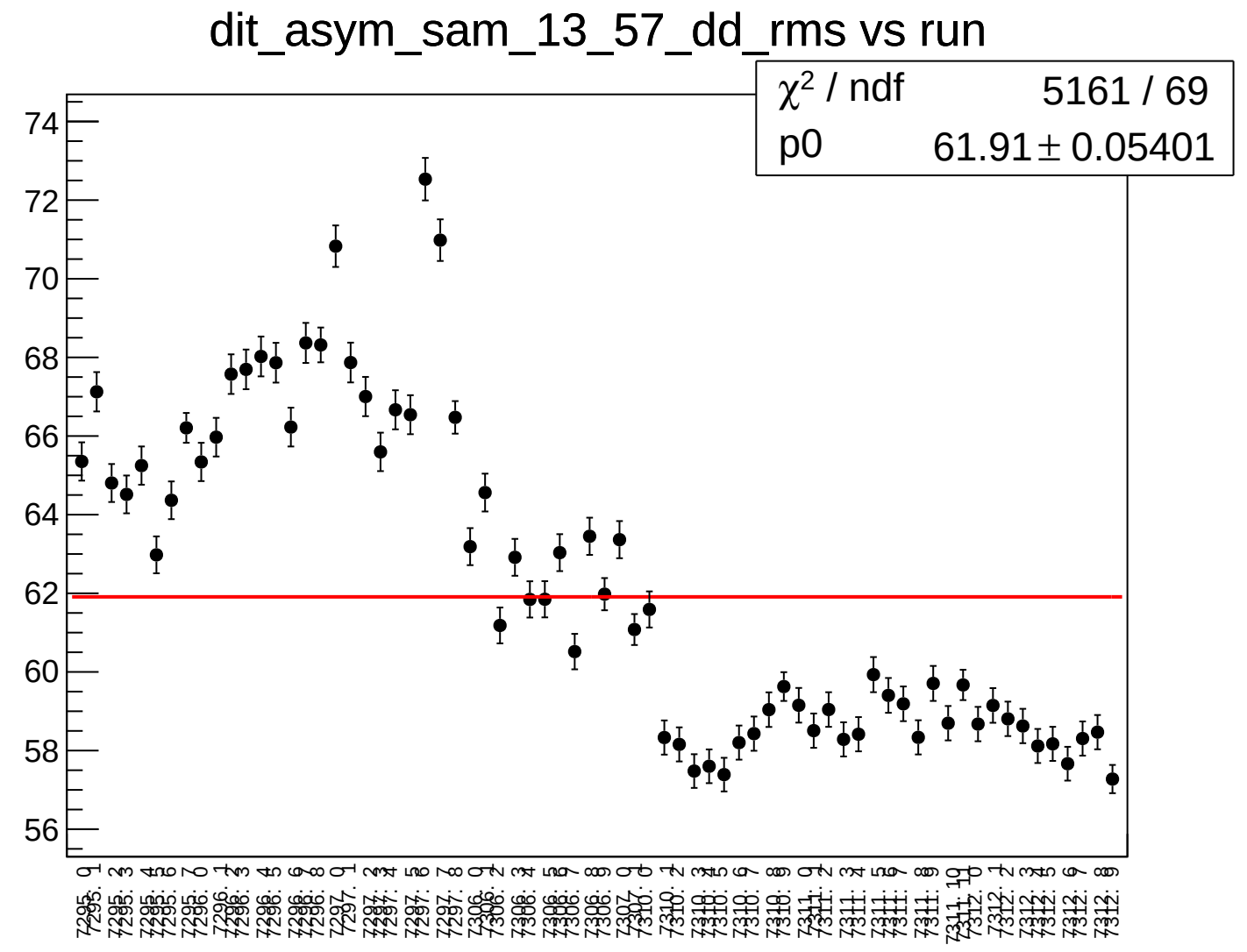

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.04 / 69
p0 −0.2809 ± 381.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −95.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

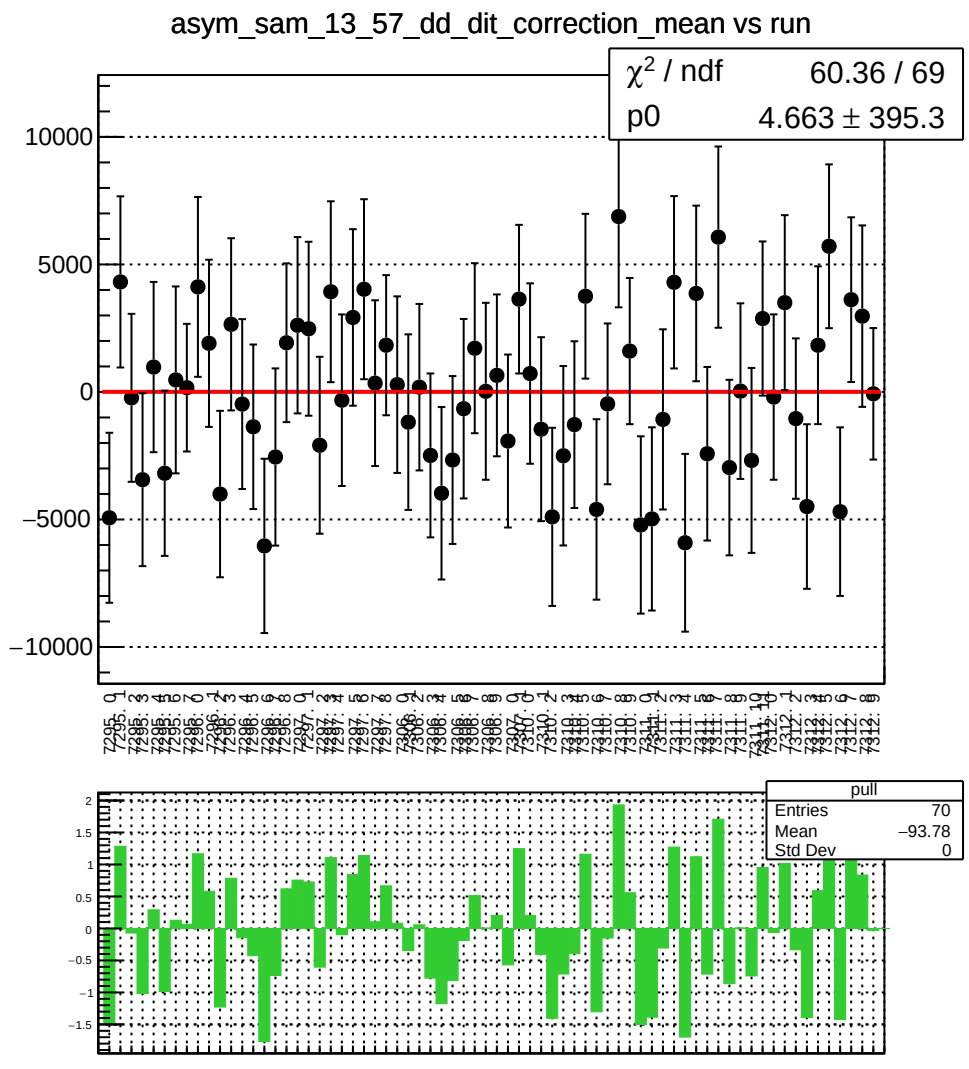

pull1D
Entries 70
Mean −0.008419
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

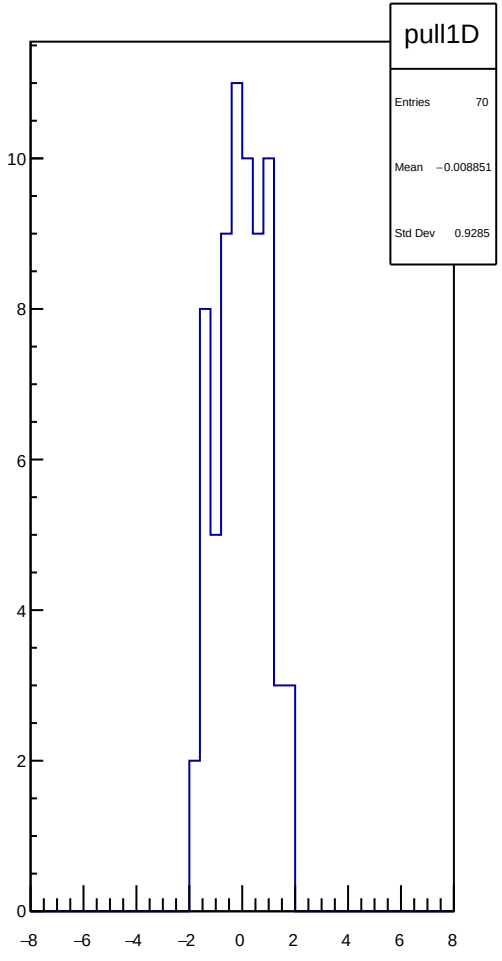

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 3001 / 69
p0 309.6 ± 0.2699
340
330
320
310
300
290
280
270

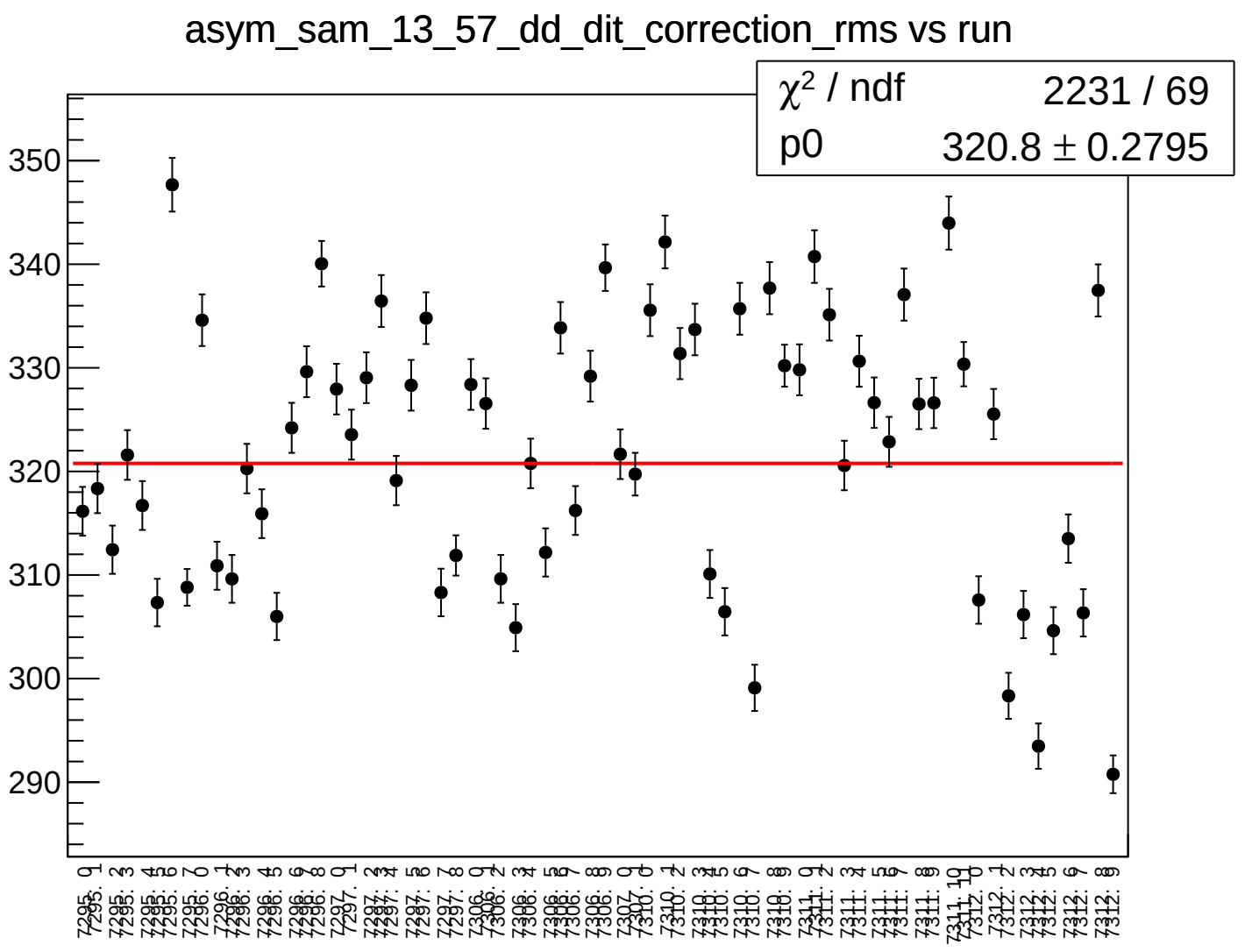

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.1 / 69
p0 54.04 ± 76.38
pull
Entries 70
Mean 396.8
Std Dev 0

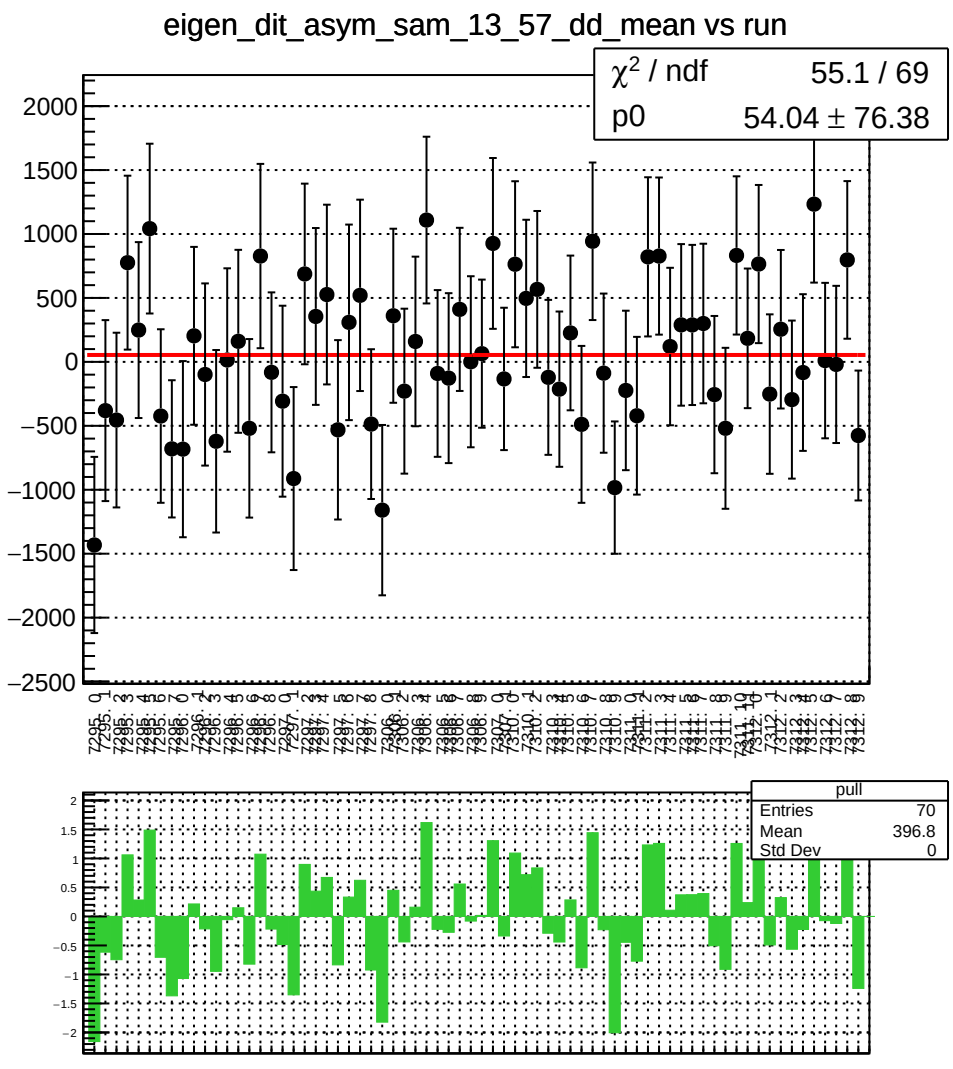

pull1D
Entries 70
Mean 0.009855
Std Dev 0.8871

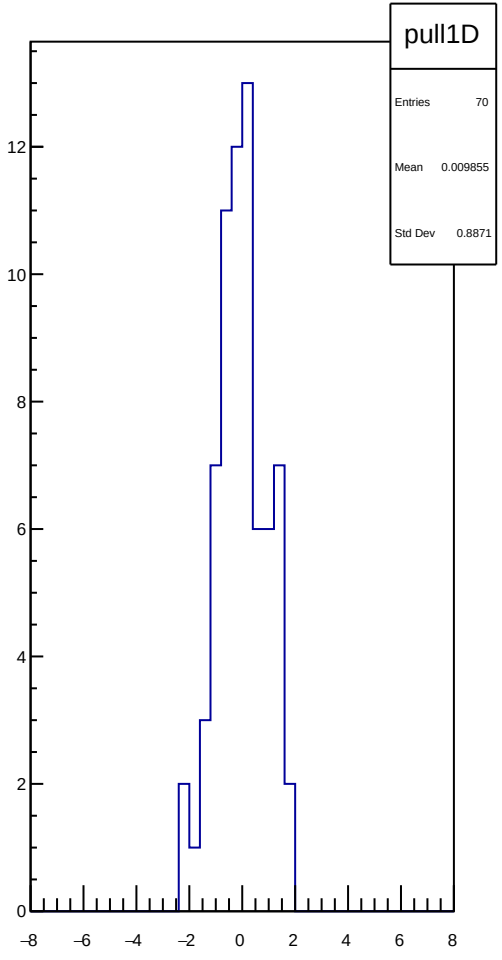

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5161 / 69
p0 61.91 ± 0.05401
74
72
70
68
66
64
62
60
58
56

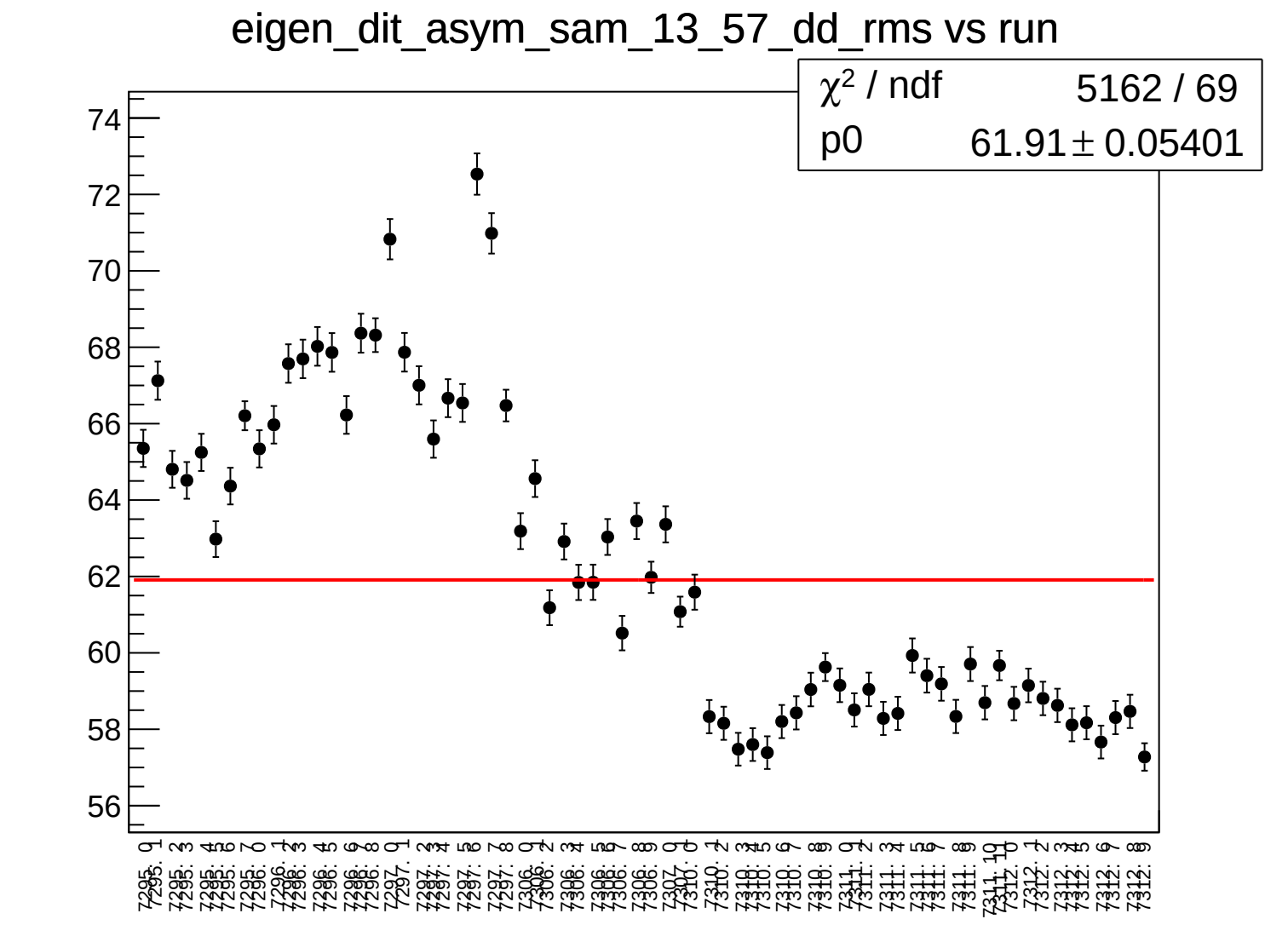

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 60.36 / 69
p0 4.663 ± 395.3
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −93.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

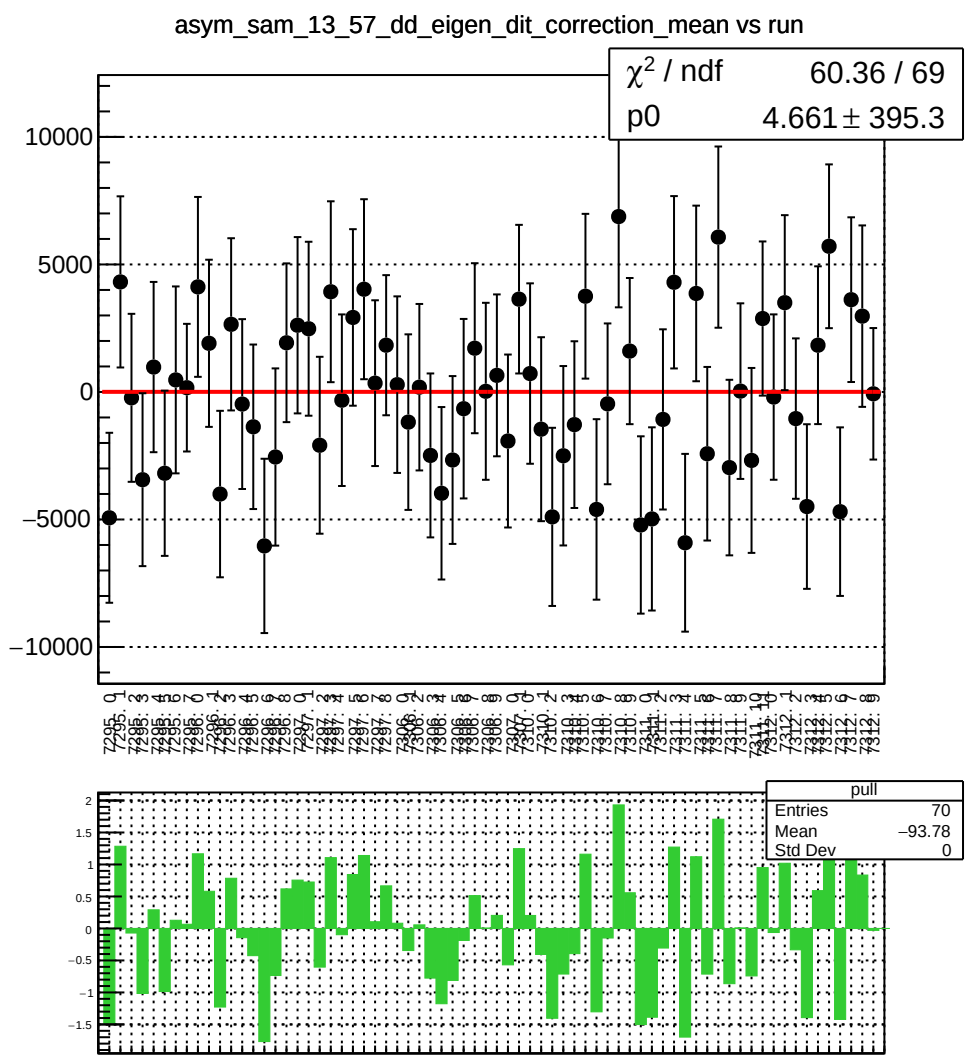

pull1D
Entries 70
Mean −0.008851
Std Dev 0.9285
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

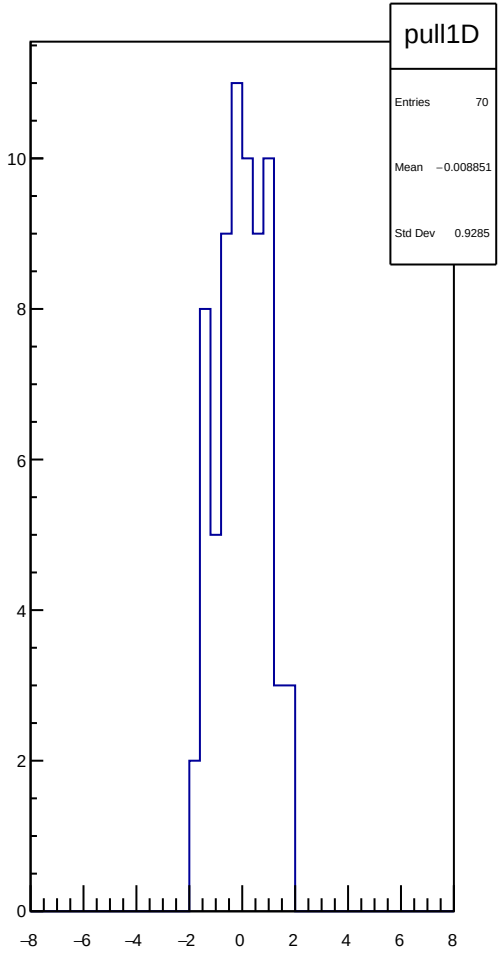

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2231 / 69
p0 320.8 ± 0.2795
350
340
330
320
310
300
290

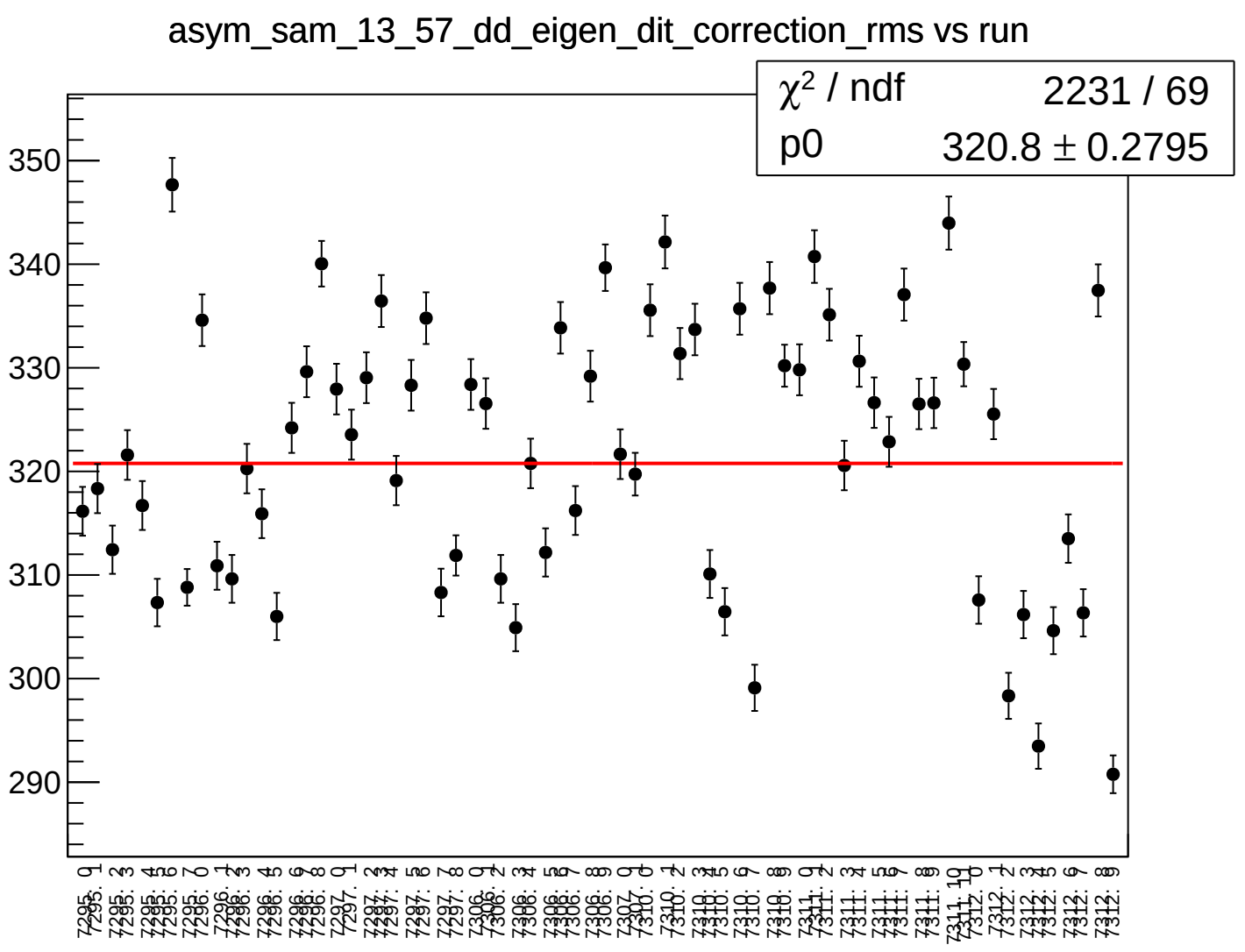

eigen_dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 55.1 / 69
p0 54.04 ± 76.38
pull
Entries 70
Mean 396.8
Std Dev 0

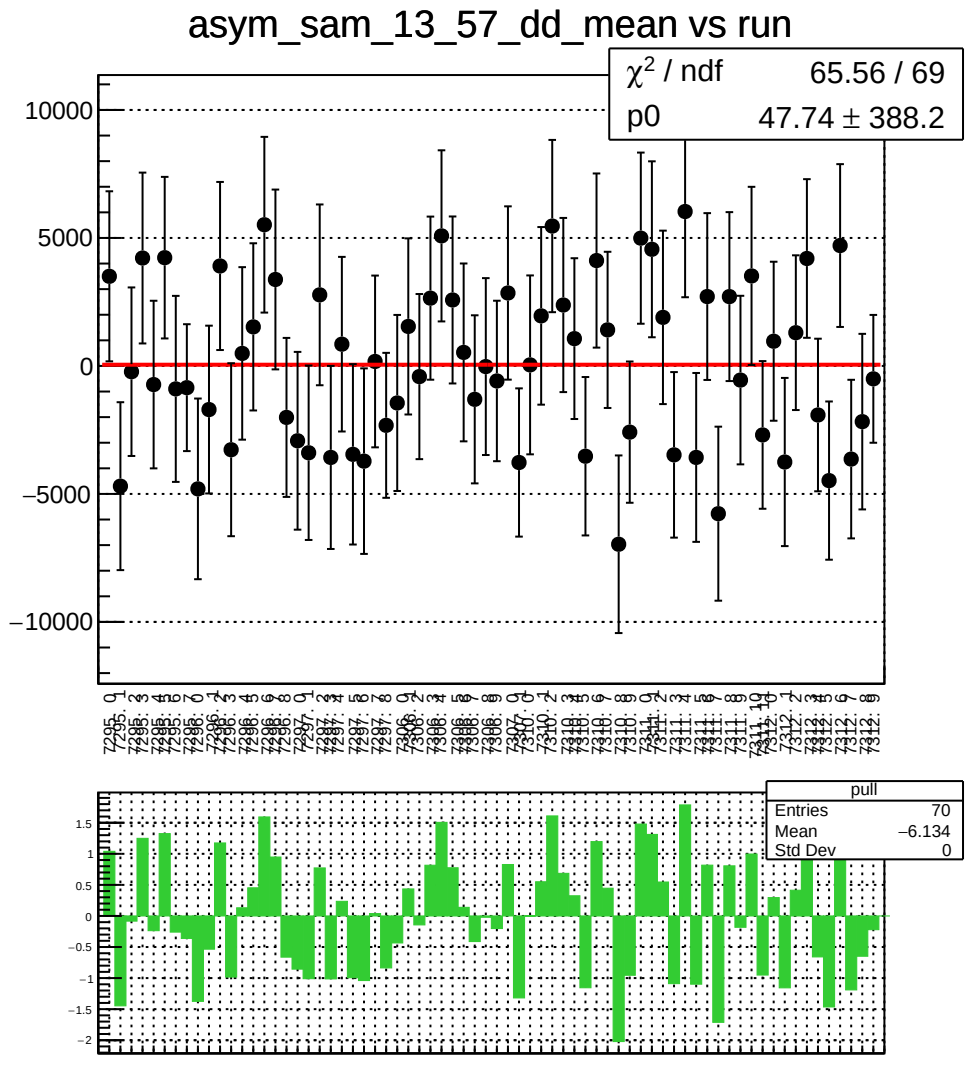

pull1D
Entries 70
Mean 0.009855
Std Dev 0.8871

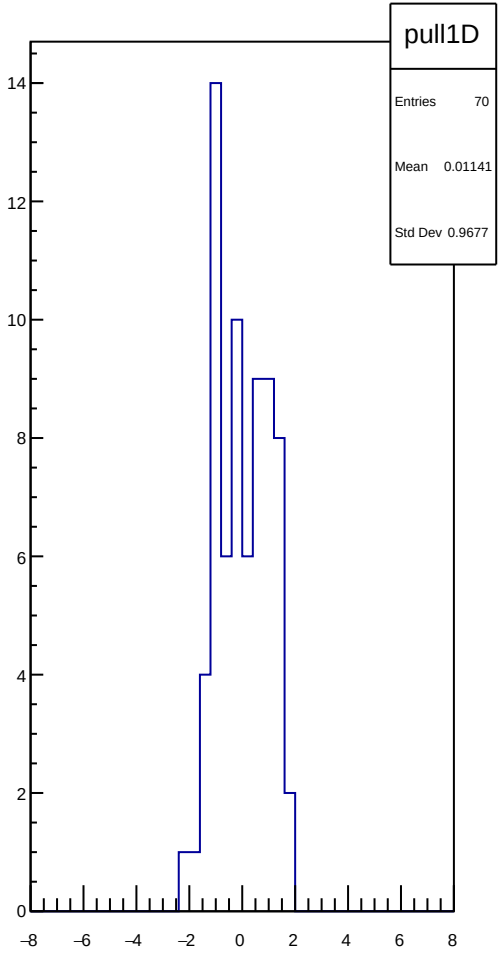

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5162 / 69
p0 61.91 ± 0.05401
74
72
70
68
66
64
62
60
58
56

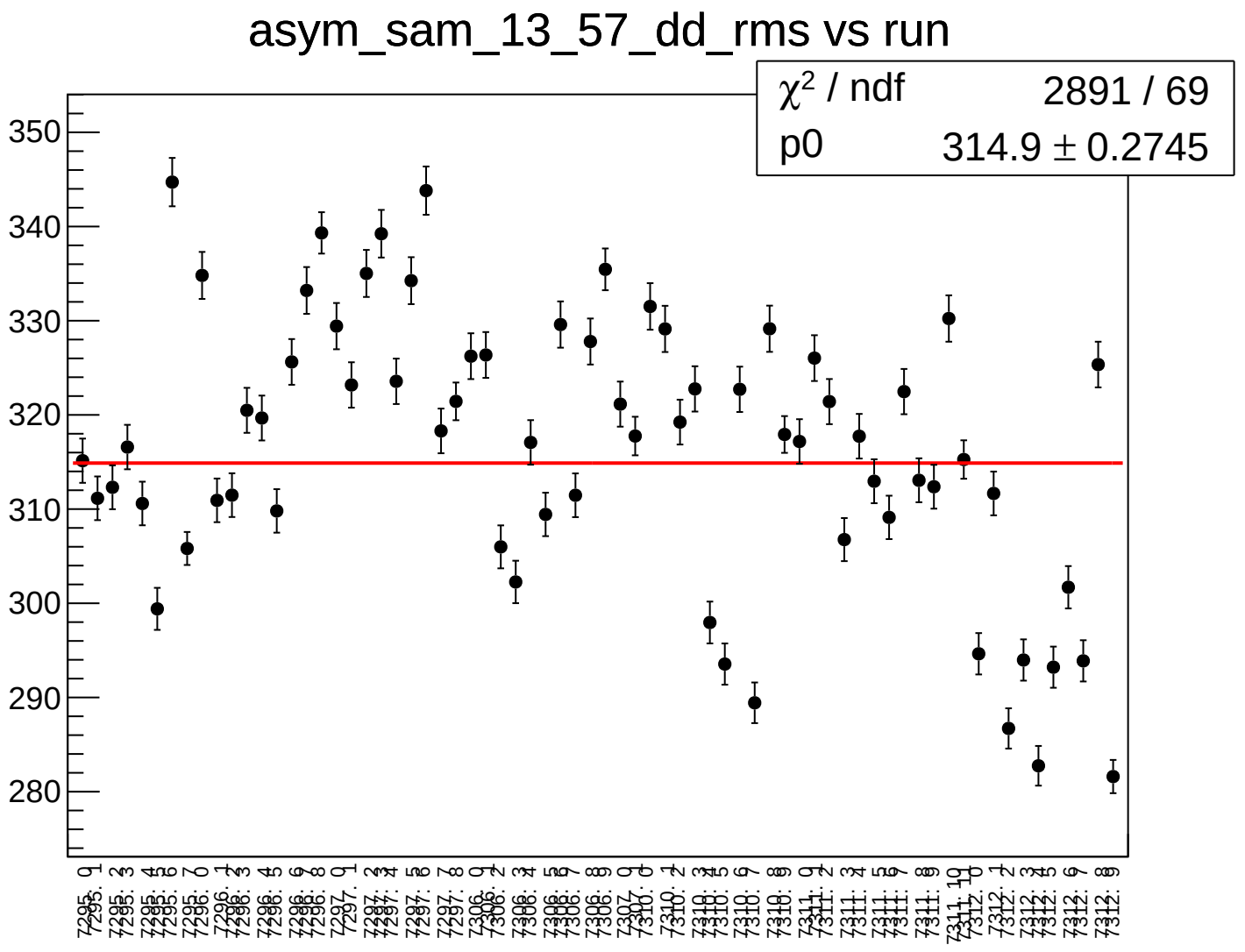

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.36 / 69
p0 4.661 ± 395.3
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −93.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

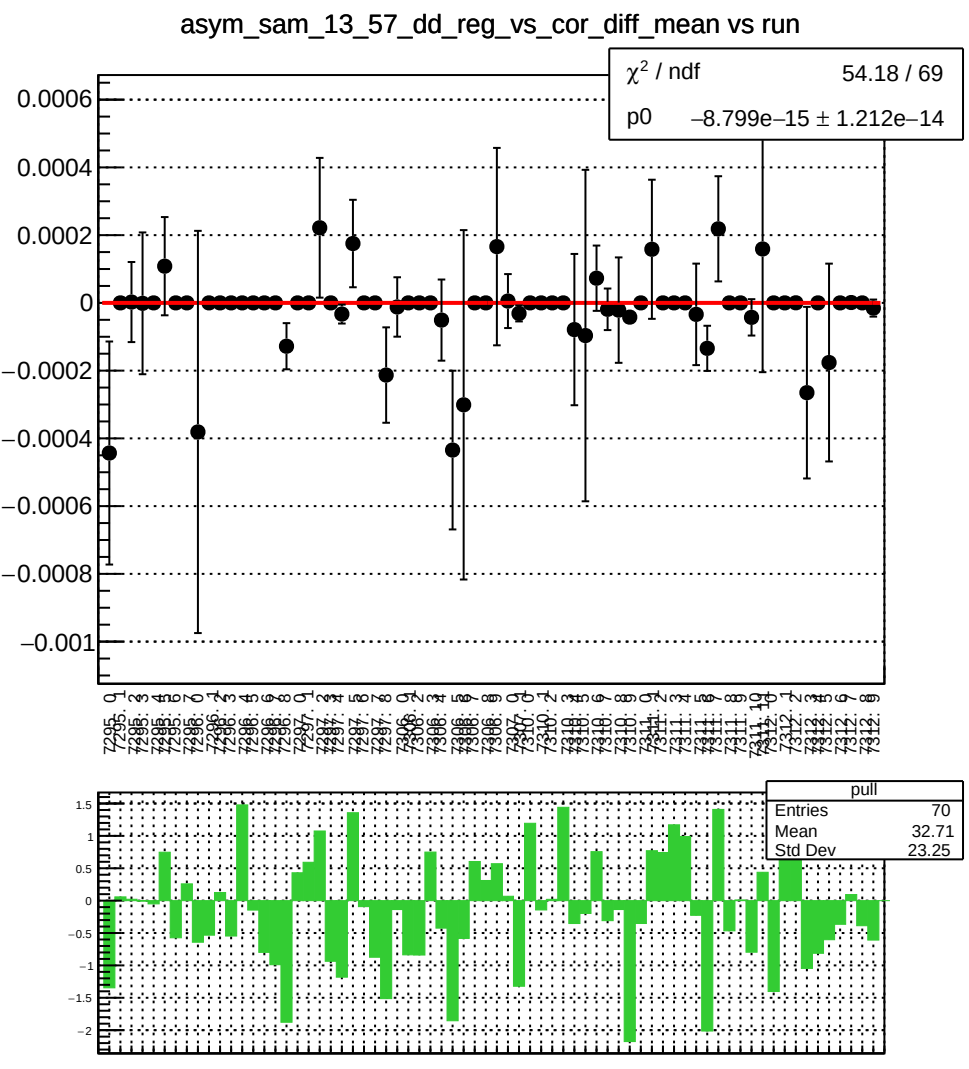

pull1D
Entries 70
Mean −0.008851
Std Dev 0.9285
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

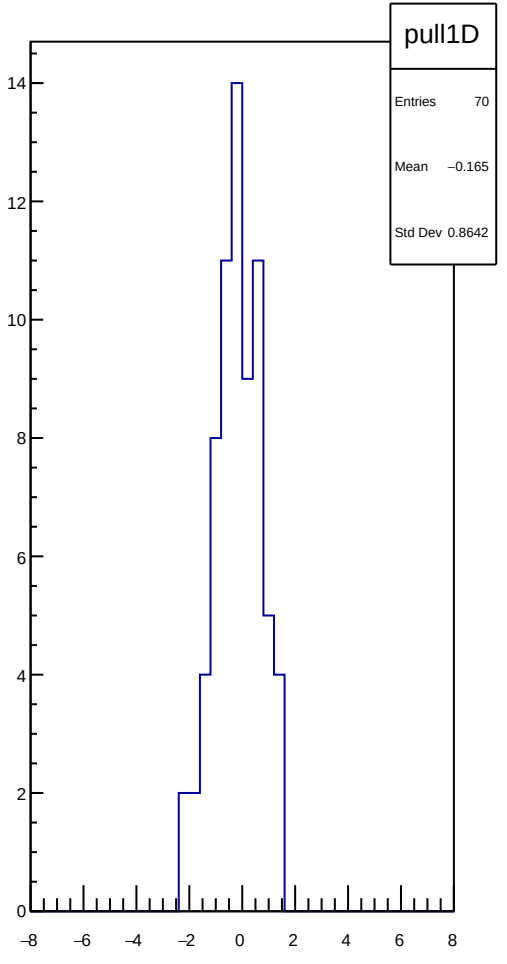

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2231 / 69
p0 320.8 ± 0.2795
350
340
330
320
310
300
290

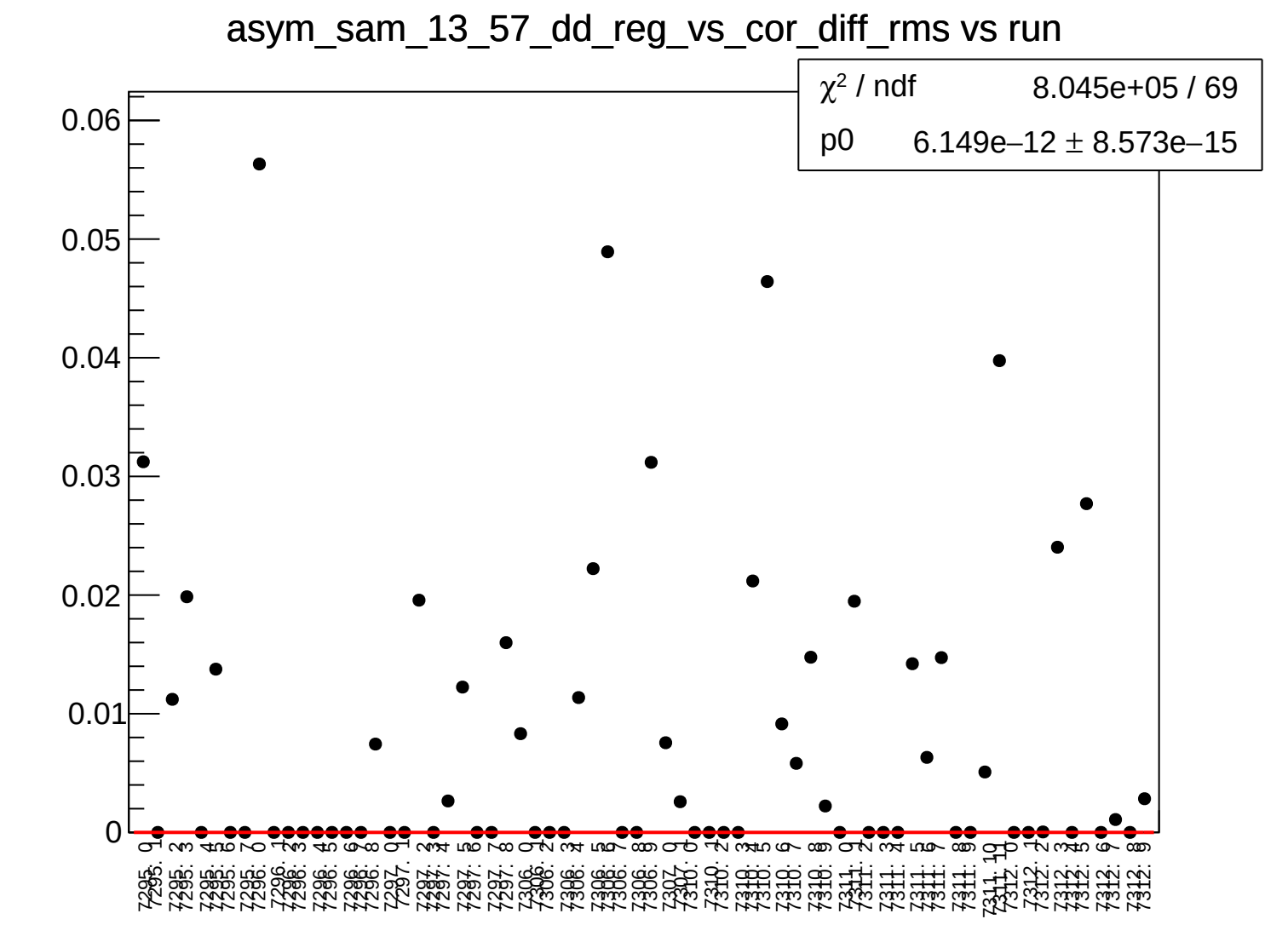

asym_sam_13_57_dd_mean vs run
χ² / ndf 65.56 / 69
p0 47.74 ± 388.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −6.134
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

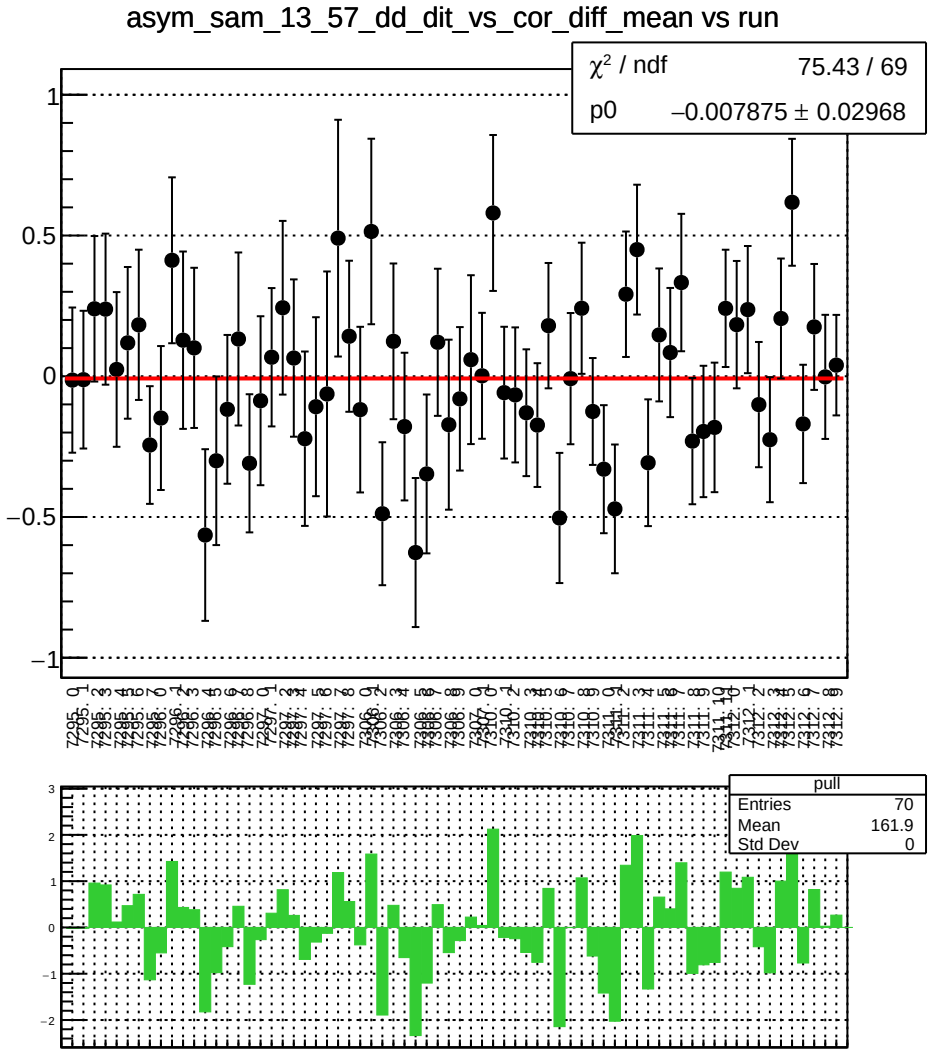

pull1D
Entries 70
Mean 0.01141
Std Dev 0.9677
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

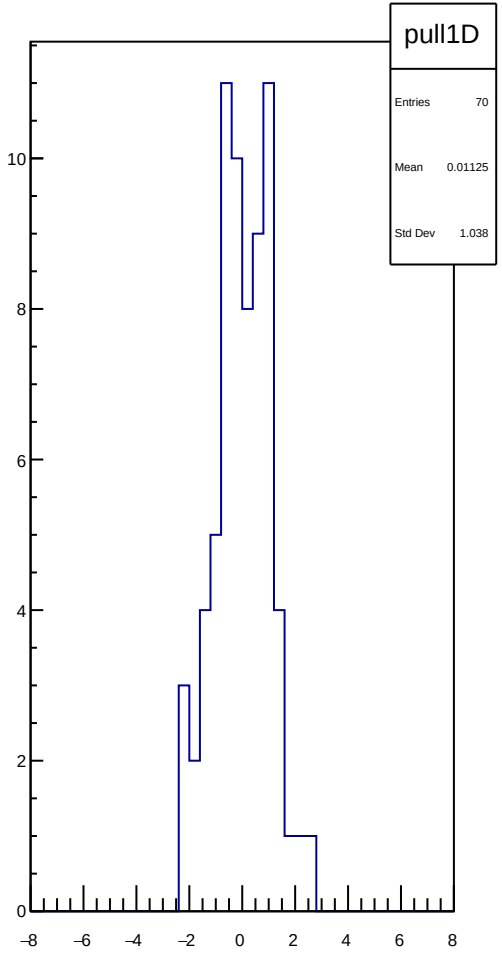

asym_sam_13_57_dd_rms vs run
χ² / ndf 2891 / 69
p0 314.9 ± 0.2745
350
340
330
320
310
300
290
280

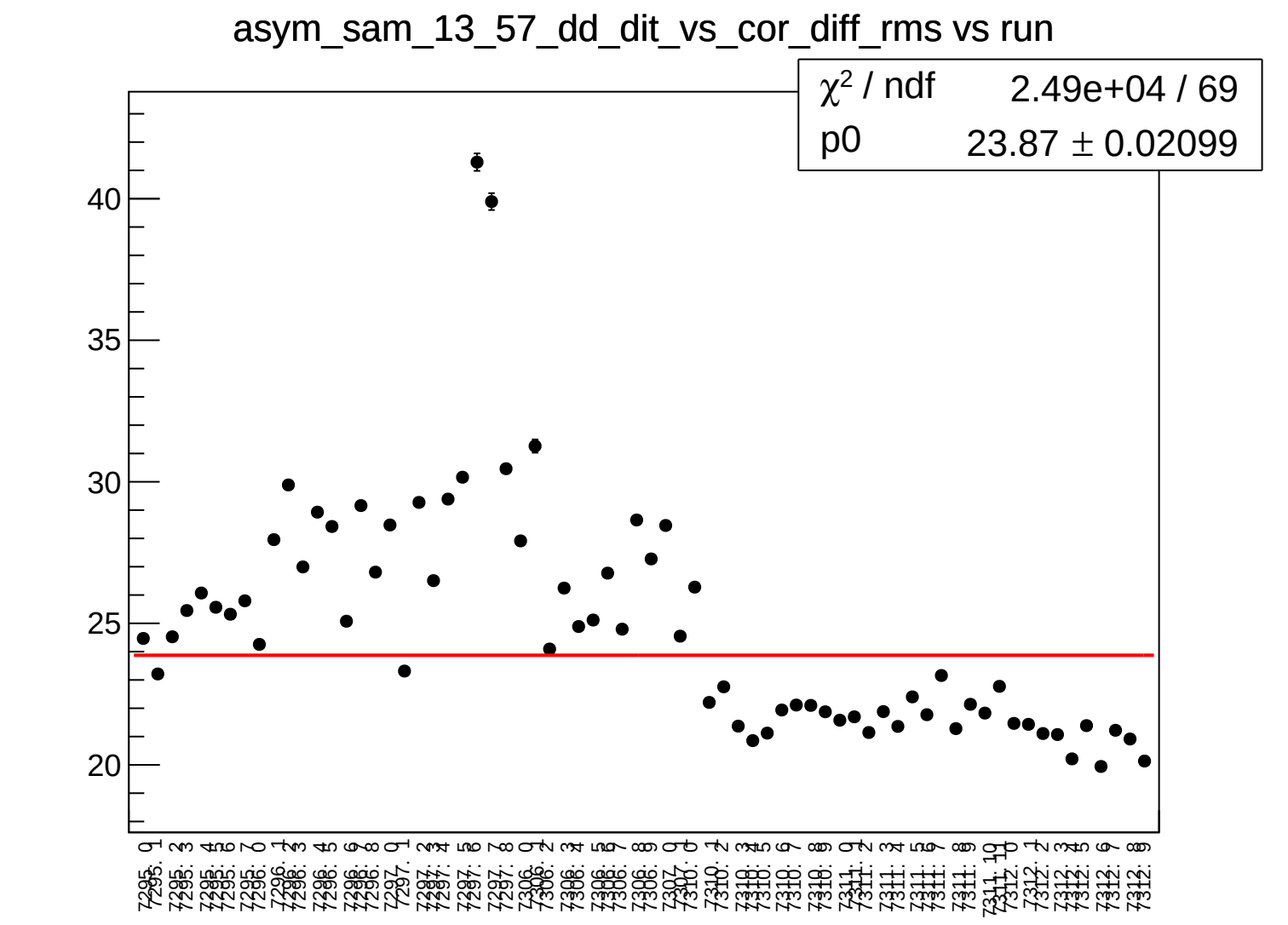

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.18 / 69
p0 −8.799e−15 ± 1.212e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 70
Mean 32.71
Std Dev 23.25
1.5
1
0.5
0
−0.5
−1
−1.5
−2

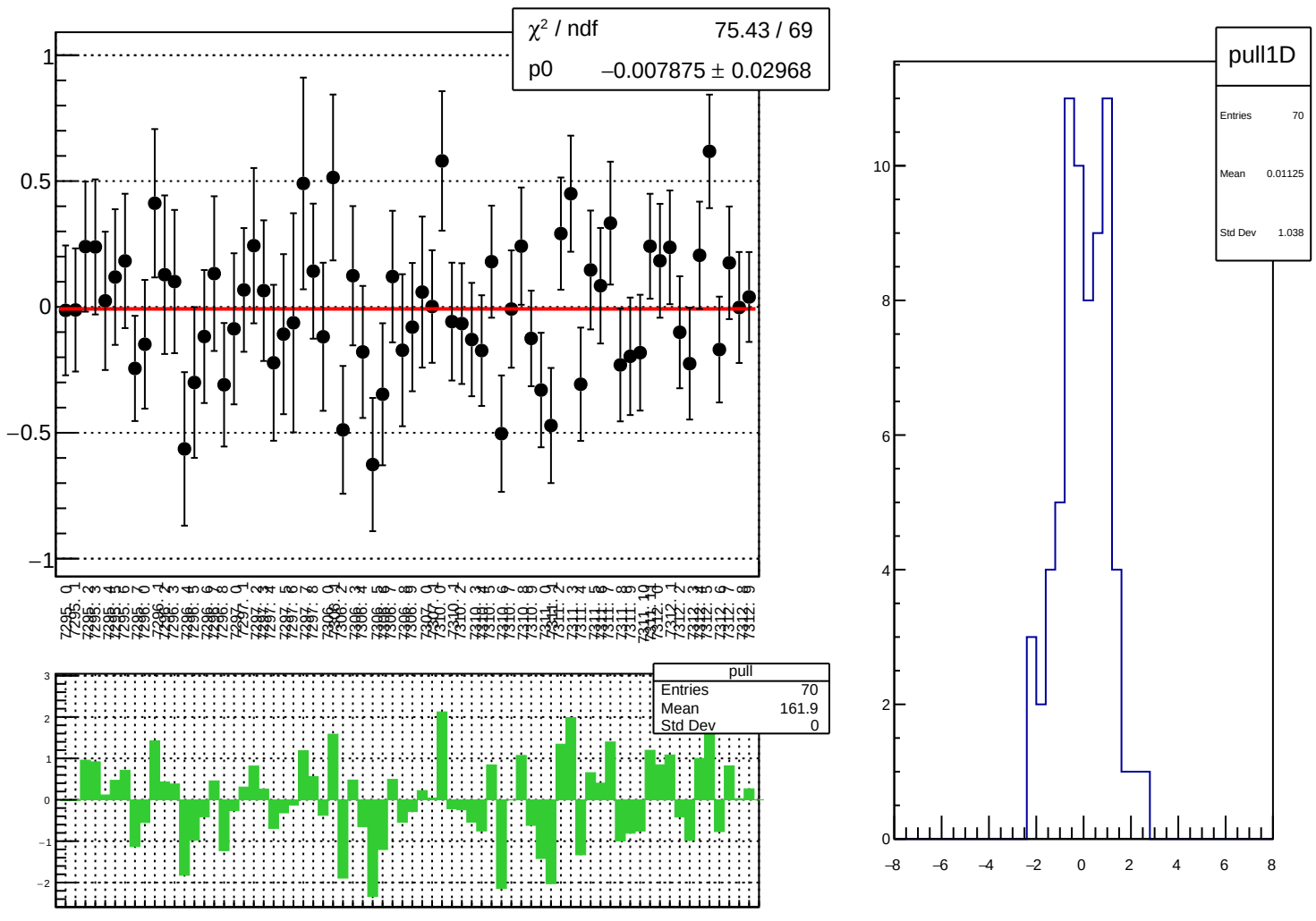

pull1D
Entries 70
Mean −0.165
Std Dev 0.8642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

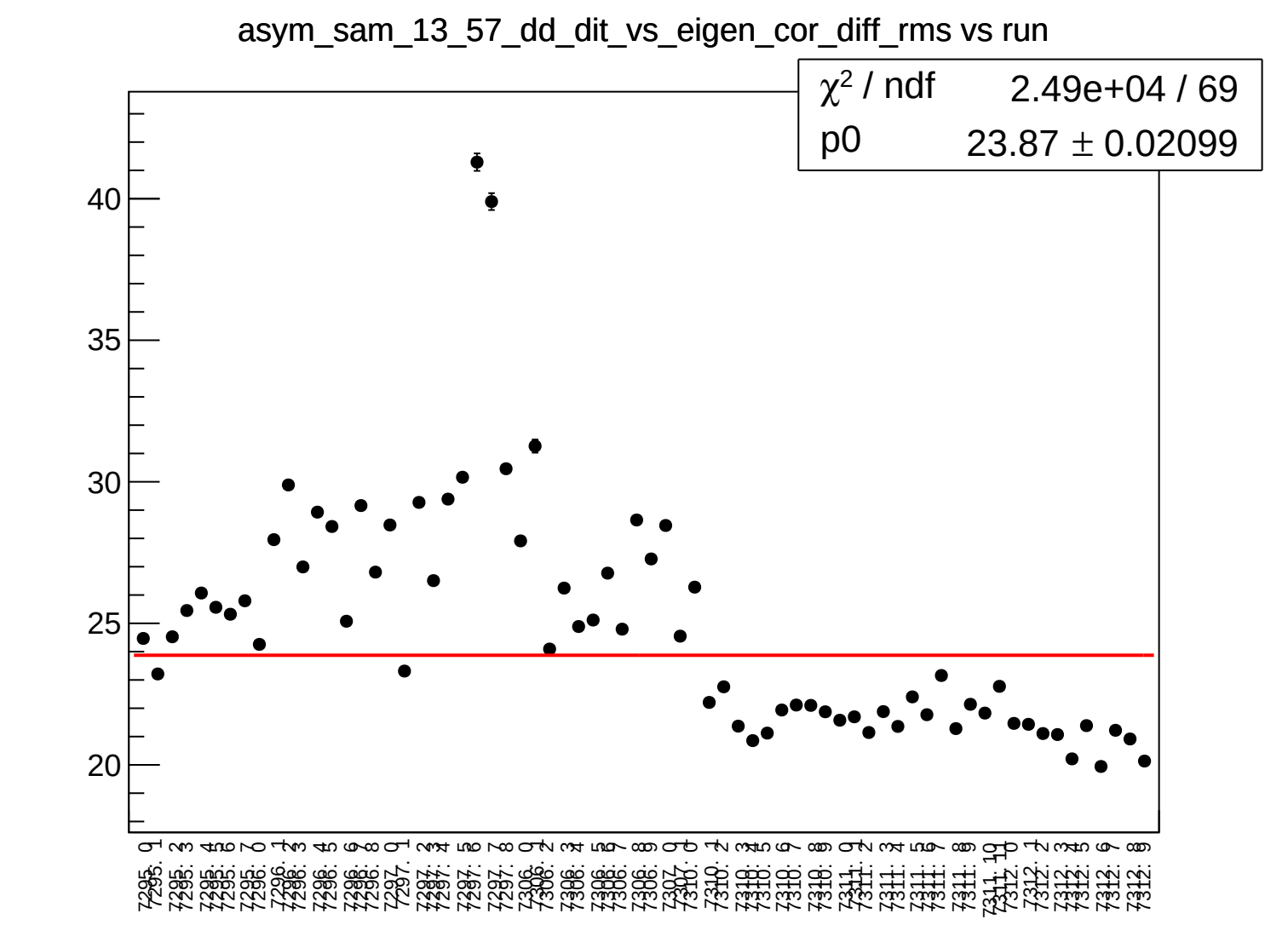

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.045e+05 / 69
p0 6.149e−12 ± 8.573e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

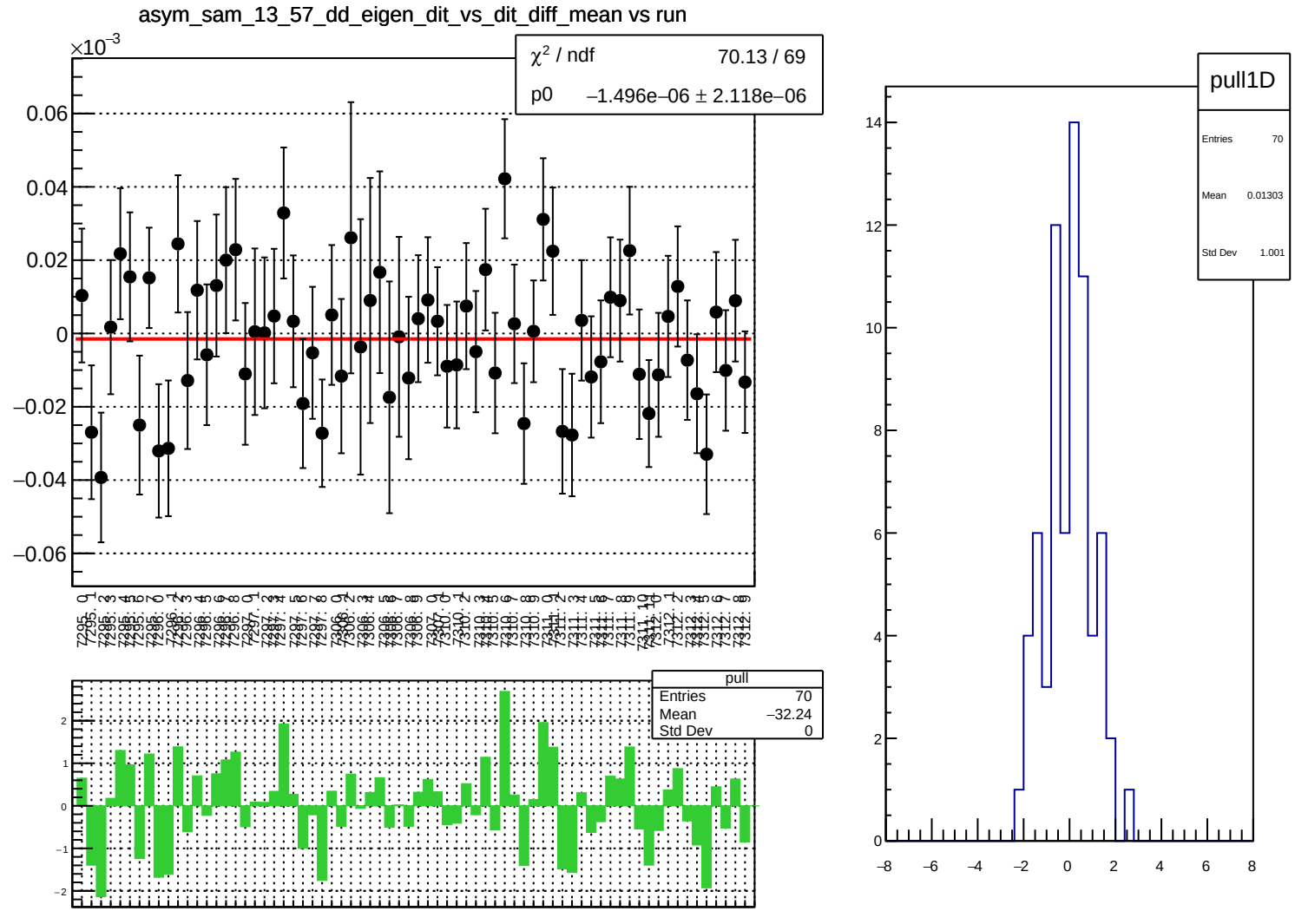

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.43 / 69
p0 −0.007875 ± 0.02968
pull
Entries 70
Mean 161.9
Std Dev 0

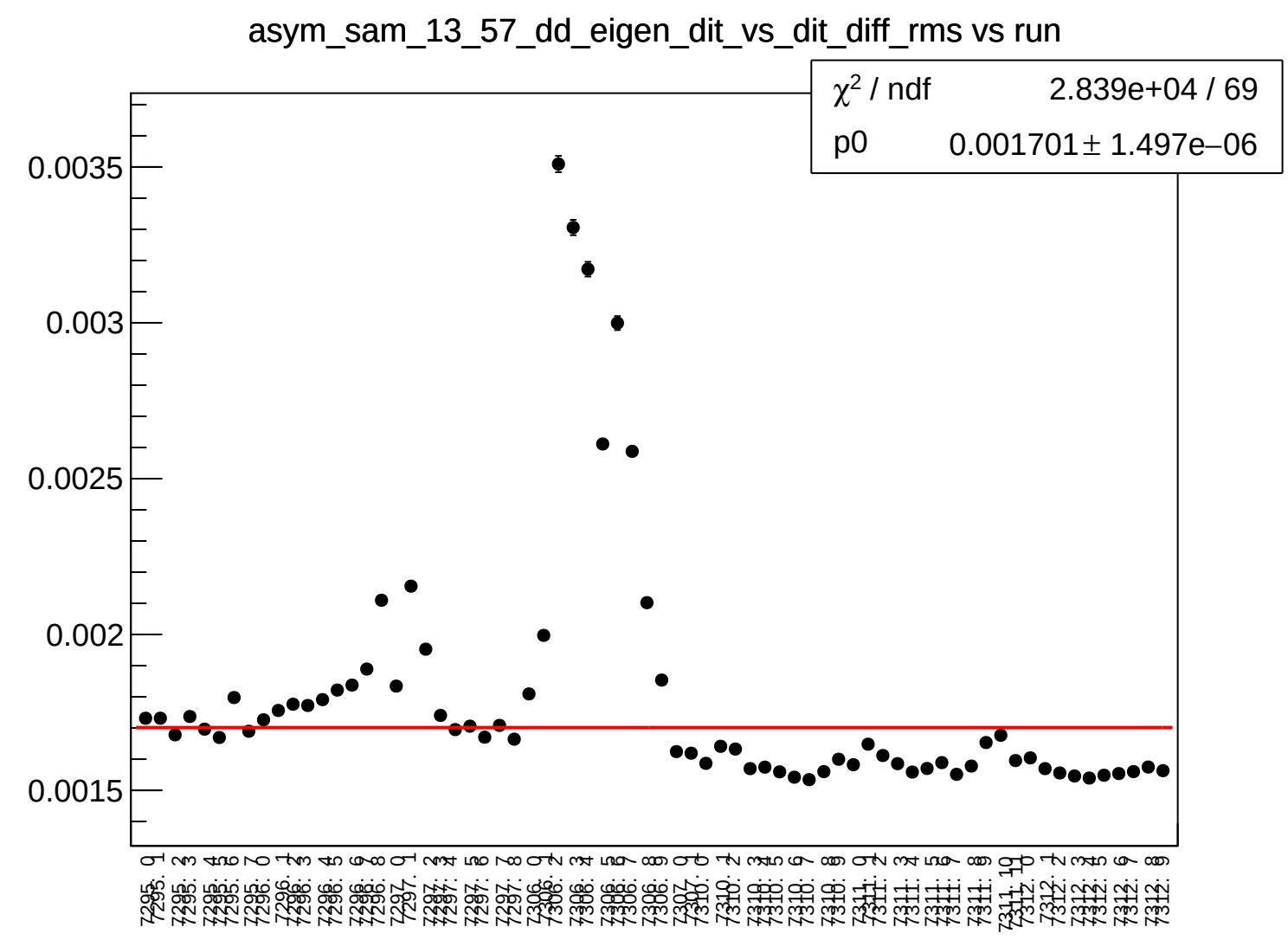

pull1D
Entries 70
Mean 0.01125
Std Dev 1.038

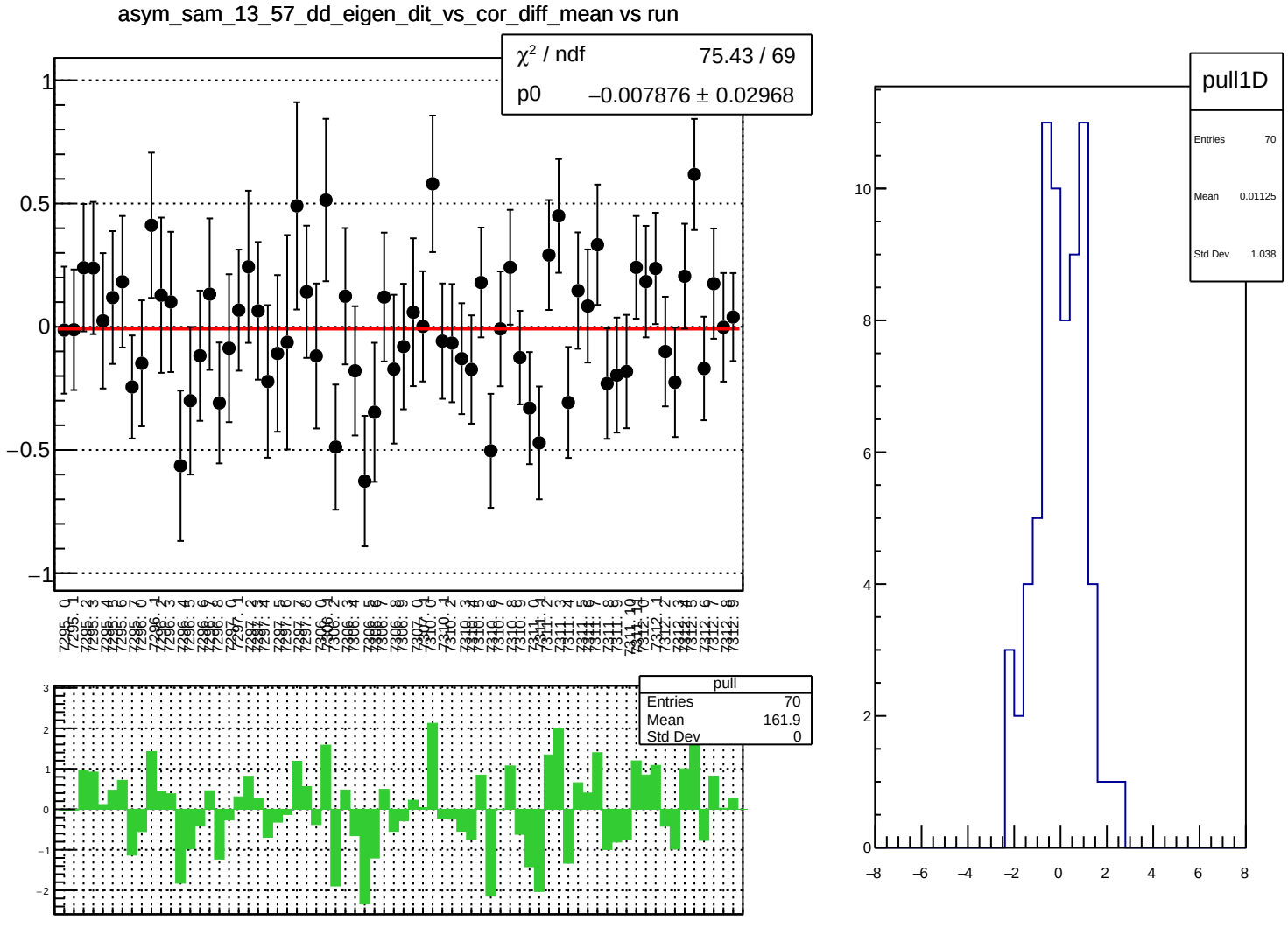

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.49e+04 / 69
p0 23.87 ± 0.02099
40
35
30
25
20

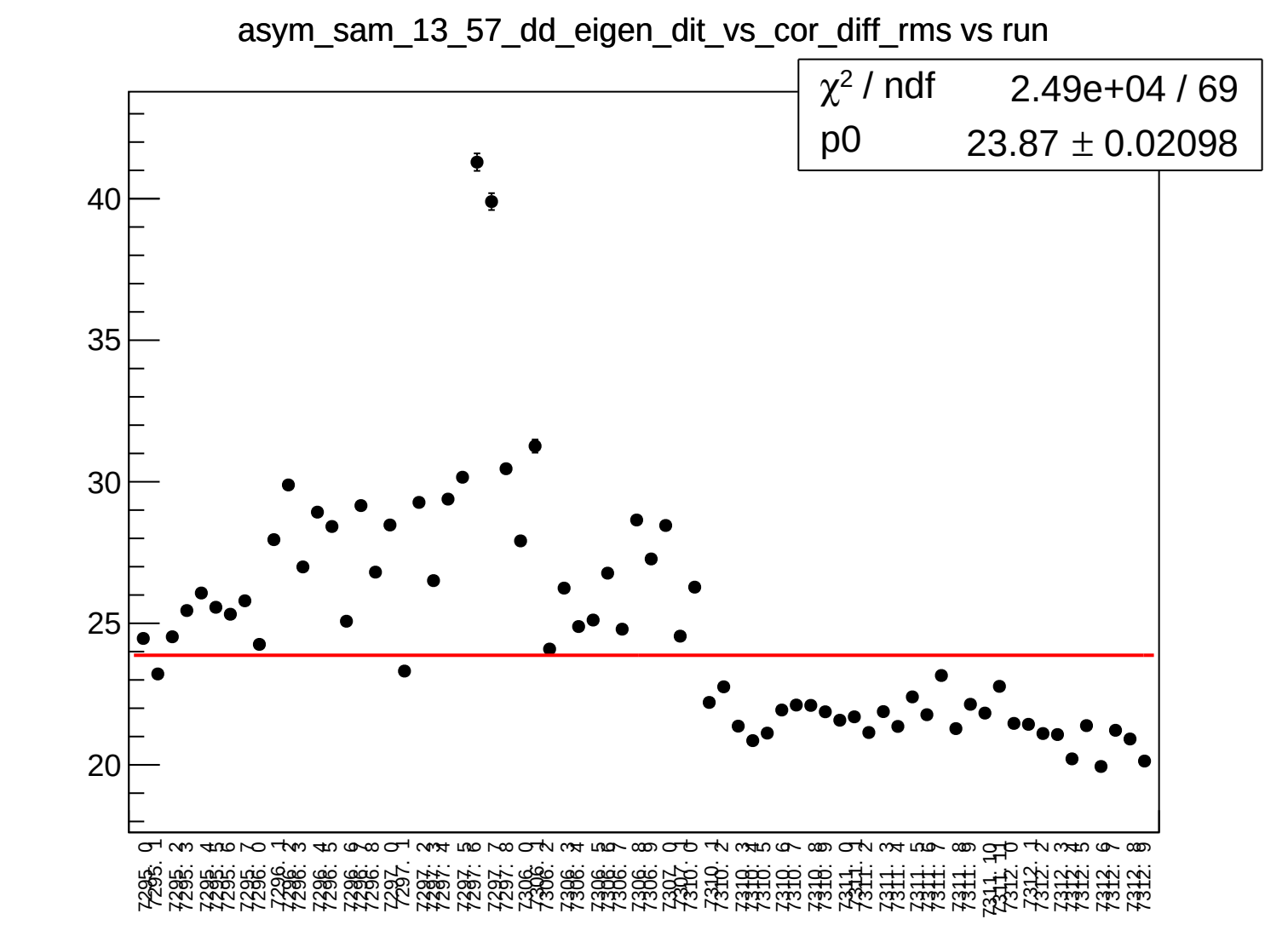

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.43 / 69
p0 −0.007875 ± 0.02968
pull
Entries 70
Mean 161.9
Std Dev 0
pull1D
Entries 70
Mean 0.01125
Std Dev 1.038

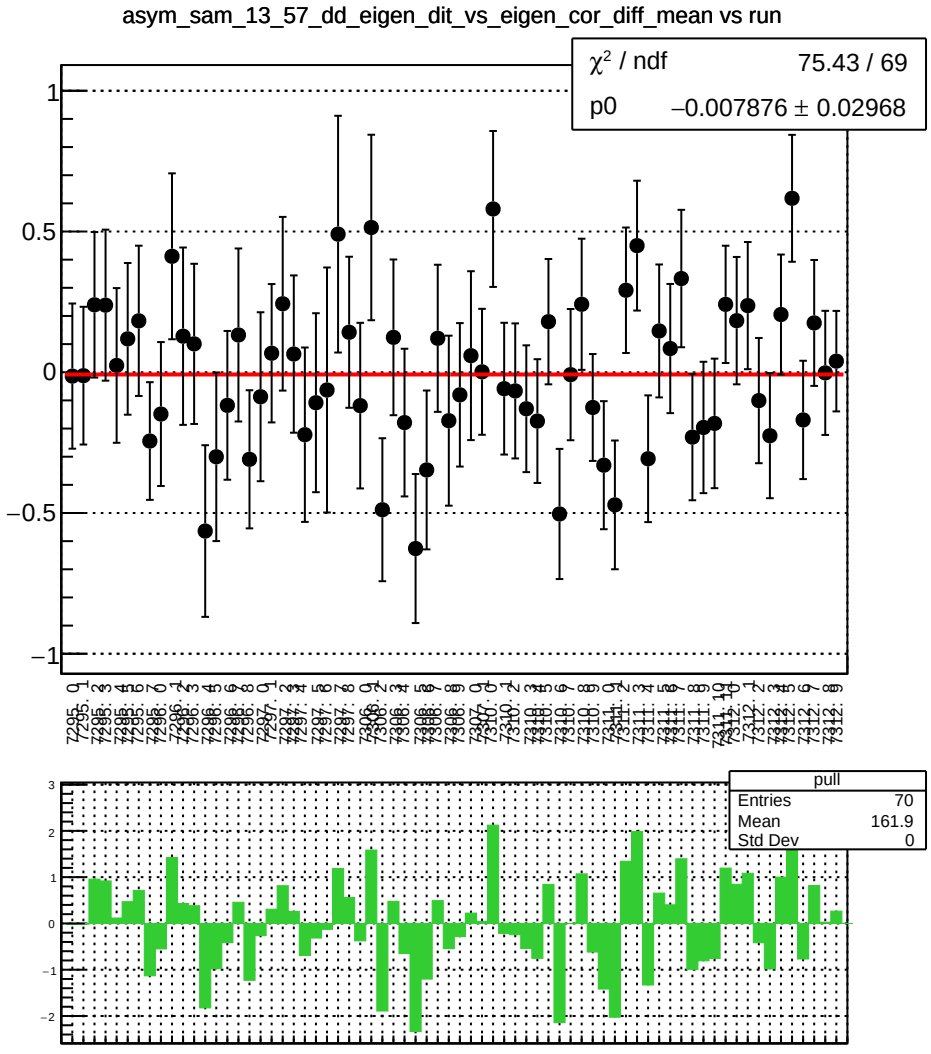

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.49e+04 / 69
p0 23.87 ± 0.02099
40
35
30
25
20

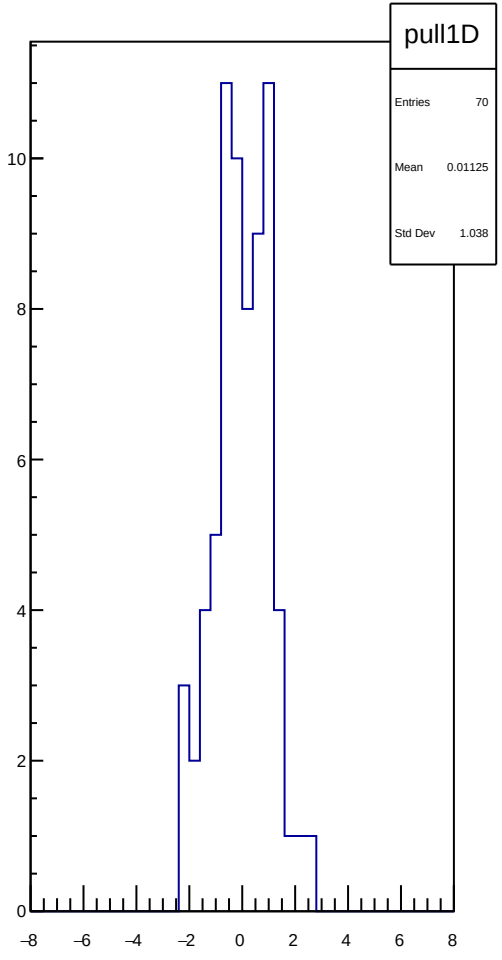

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.13 / 69
p0 −1.496e−06 ± 2.118e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 70
Mean −32.24
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 70
Mean 0.01303
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

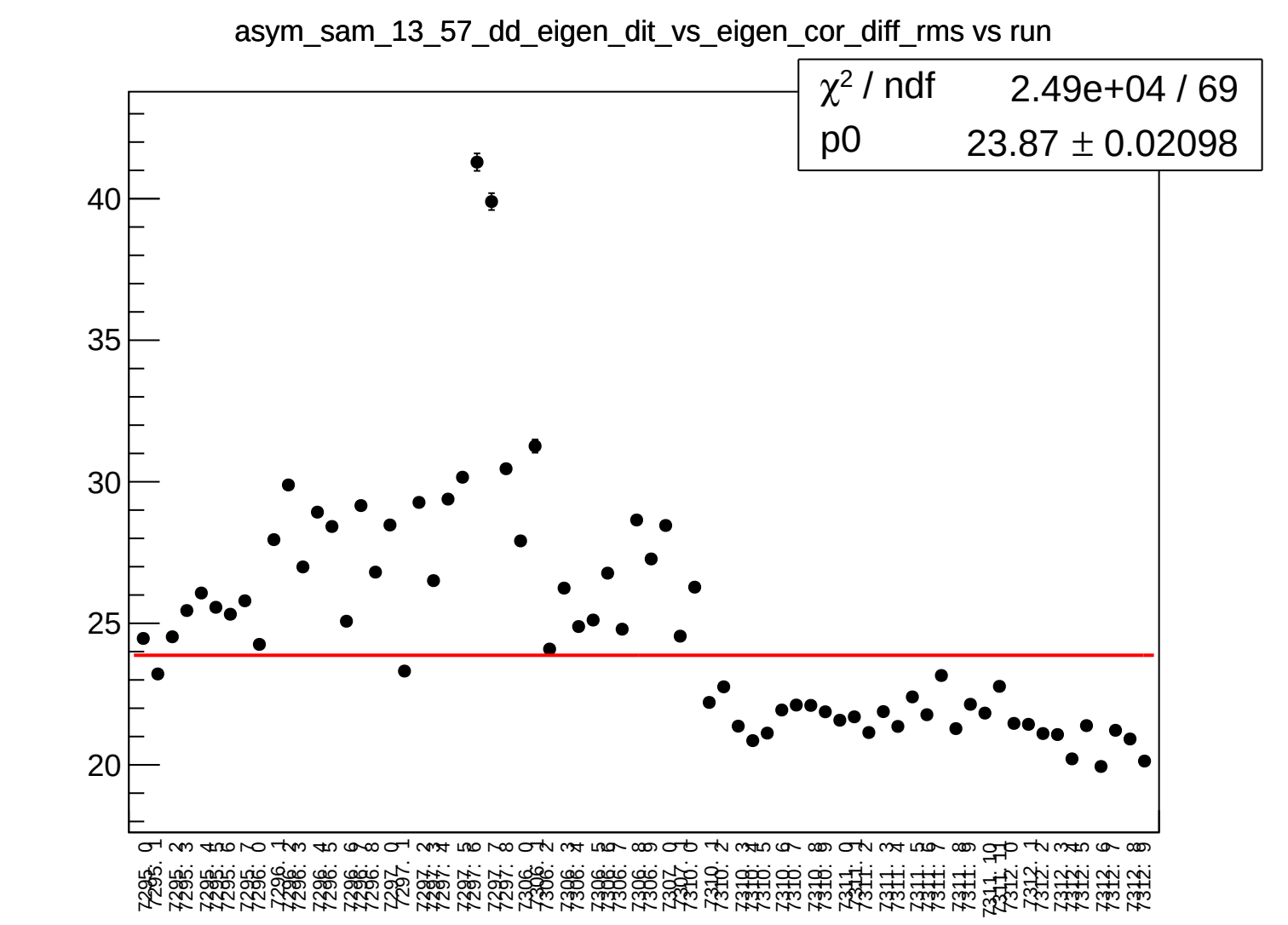

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.839e+04 / 69
p0 0.001701 ± 1.497e−06
0.0035
0.003
0.0025
0.002
0.0015

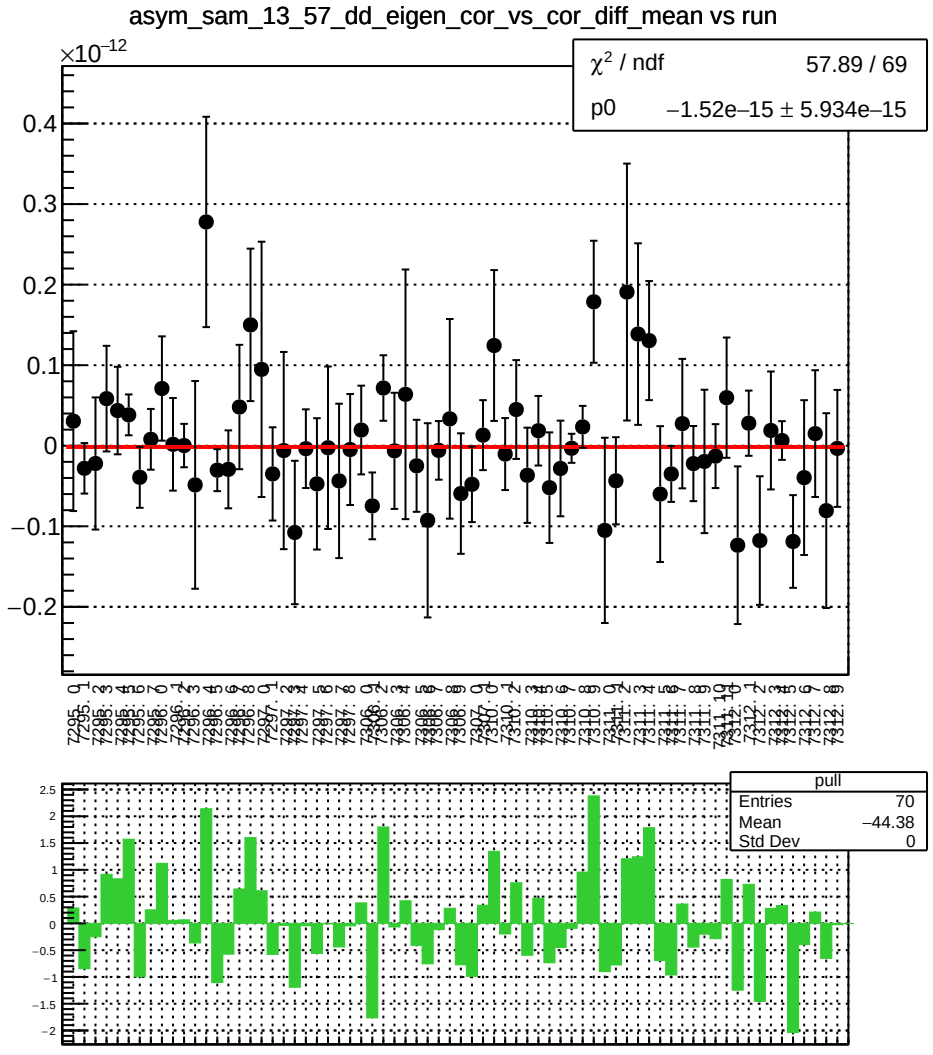

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.43 / 69
p0 −0.007876 ± 0.02968
pull
Entries 70
Mean 161.9
Std Dev 0
pull1D
Entries 70
Mean 0.01125
Std Dev 1.038

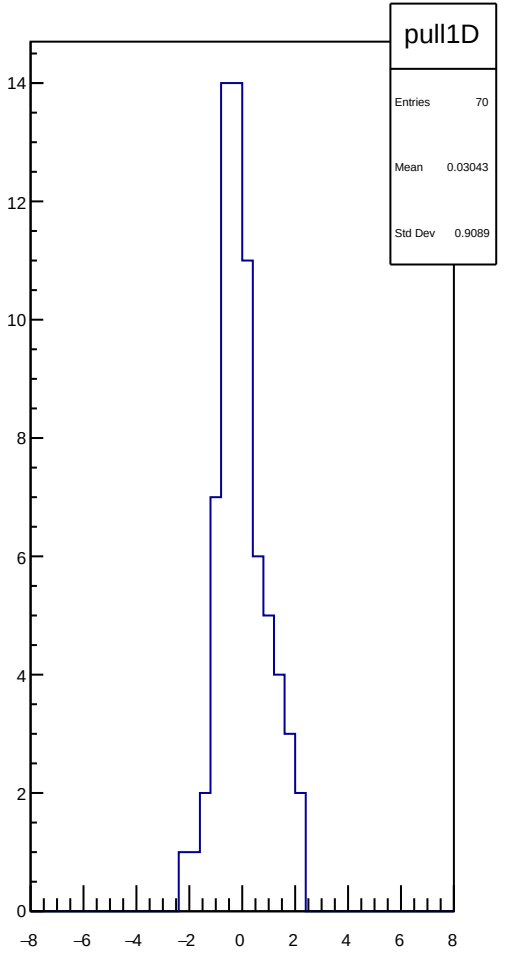

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.49e+04 / 69
p0 23.87 ± 0.02098
40
35
30
25
20

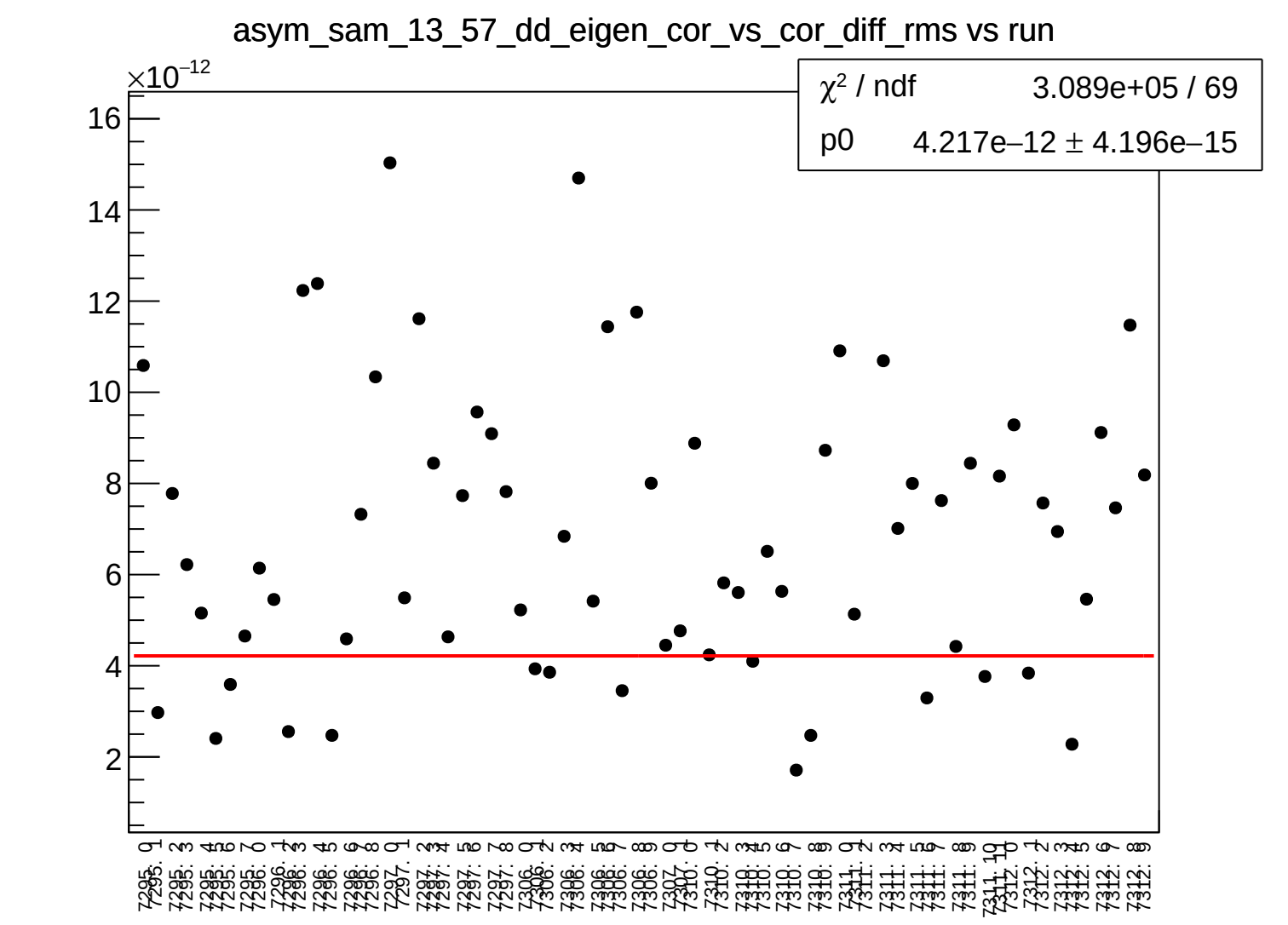

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.43 / 69
p0 −0.007876 ± 0.02968
pull
Entries 70
Mean 161.9
Std Dev 0

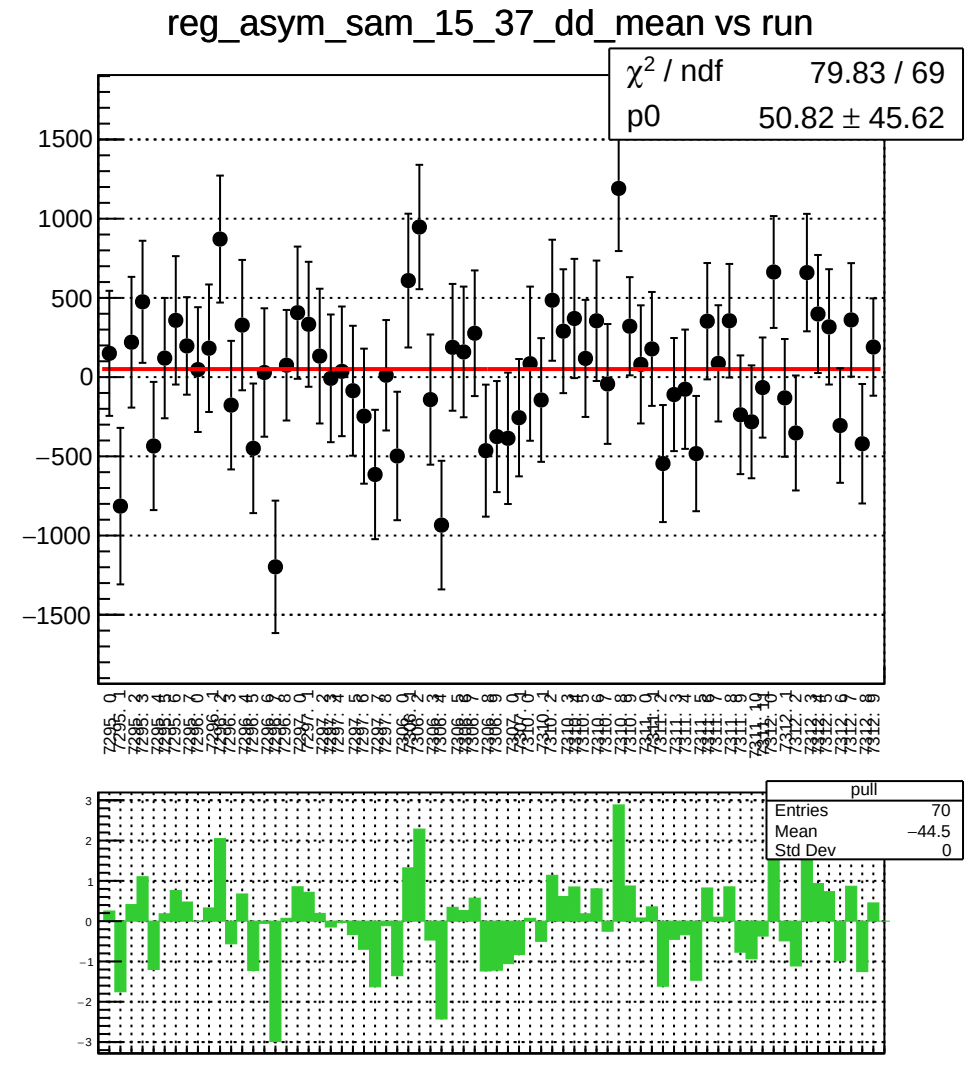

pull1D
Entries 70
Mean 0.01125
Std Dev 1.038

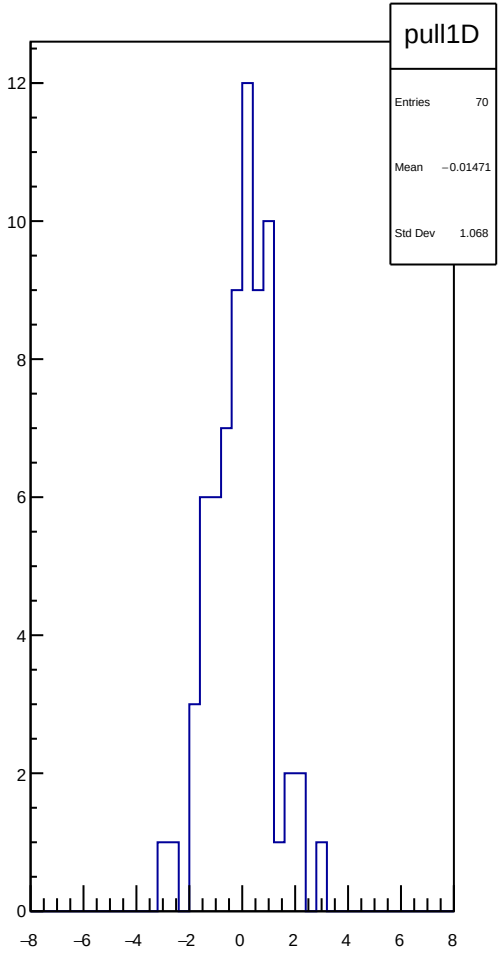

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.49e+04 / 69
p0 23.87 ± 0.02098
40
35
30
25
20

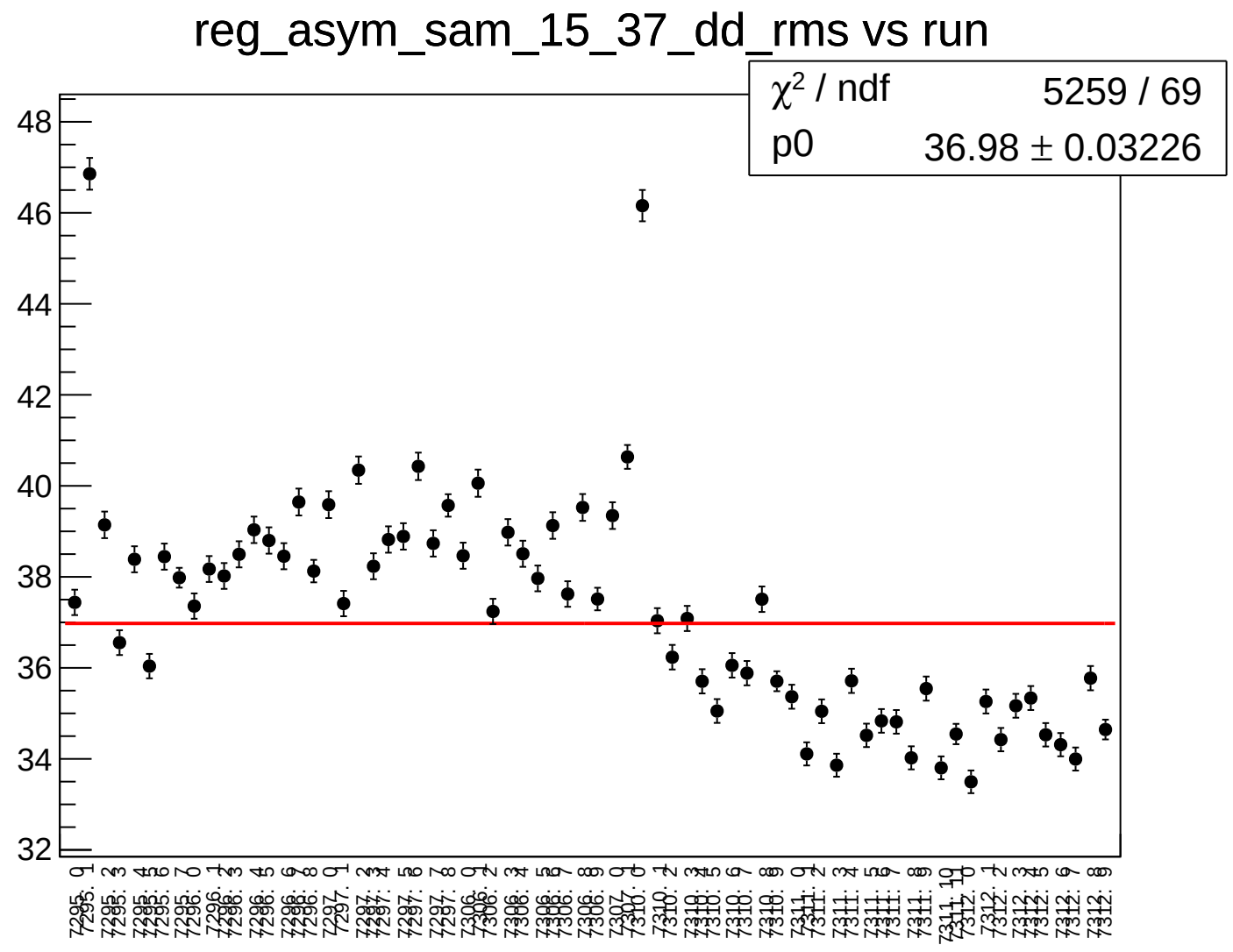

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.89 / 69
p0 −1.52e−15 ± 5.934e−15
pull
Entries 70
Mean −44.38
Std Dev 0

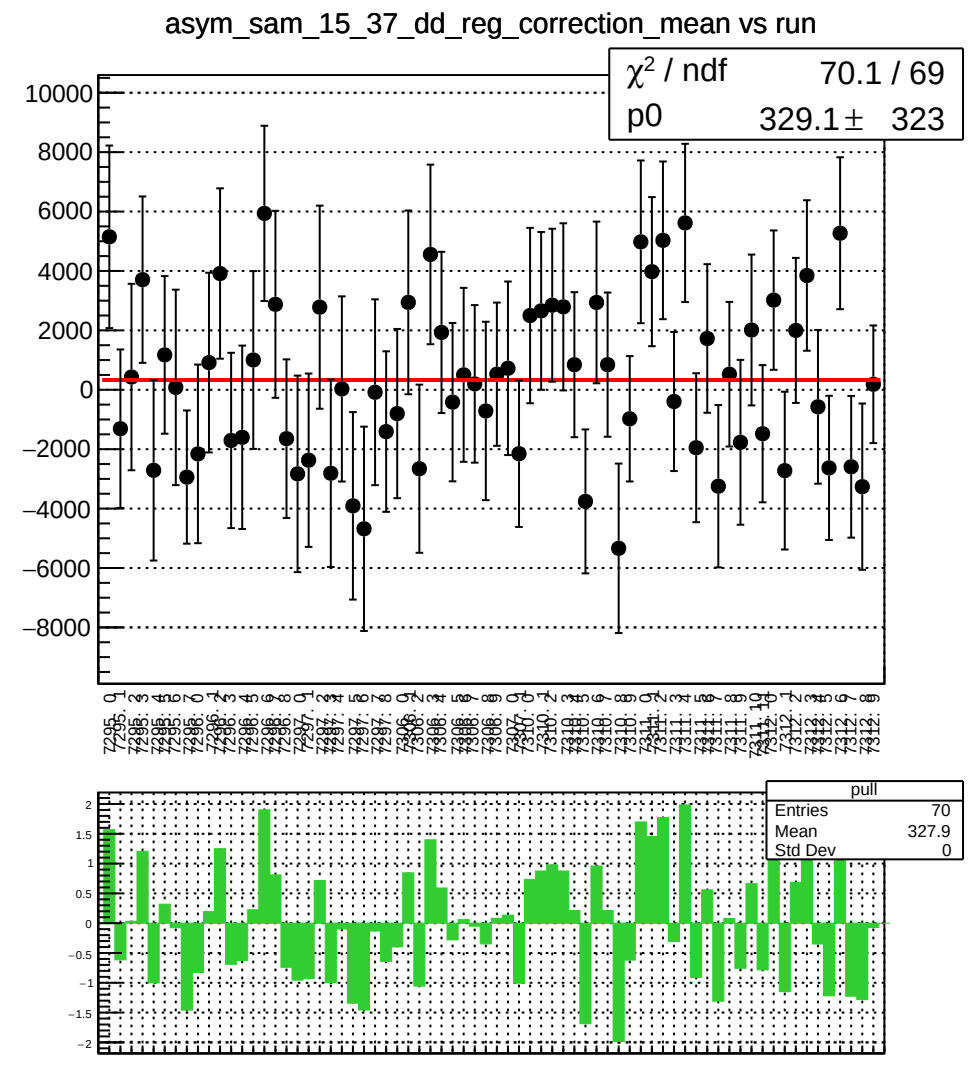

pull1D
Entries 70
Mean 0.03043
Std Dev 0.9089

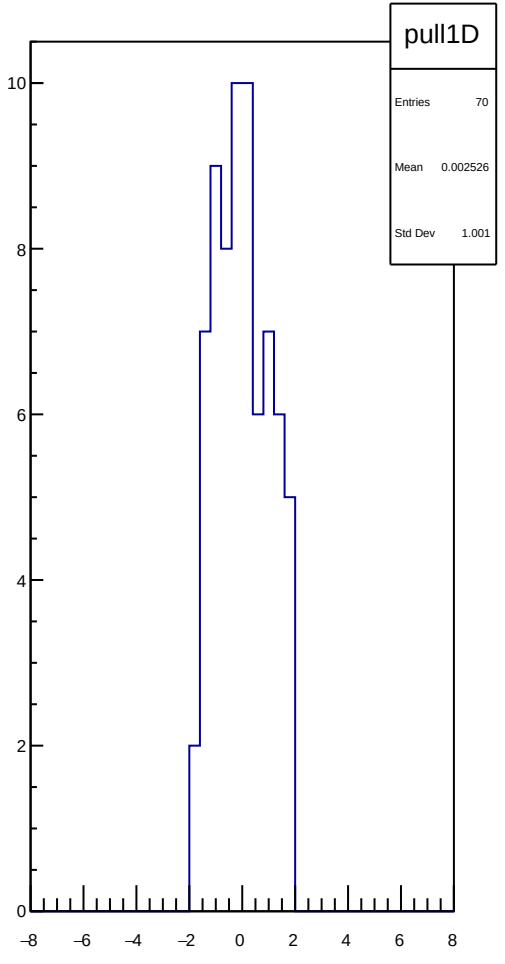

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.089e+05 / 69
p0 4.217e−12 ± 4.196e−15
16
14
12
10
8
6
4
2

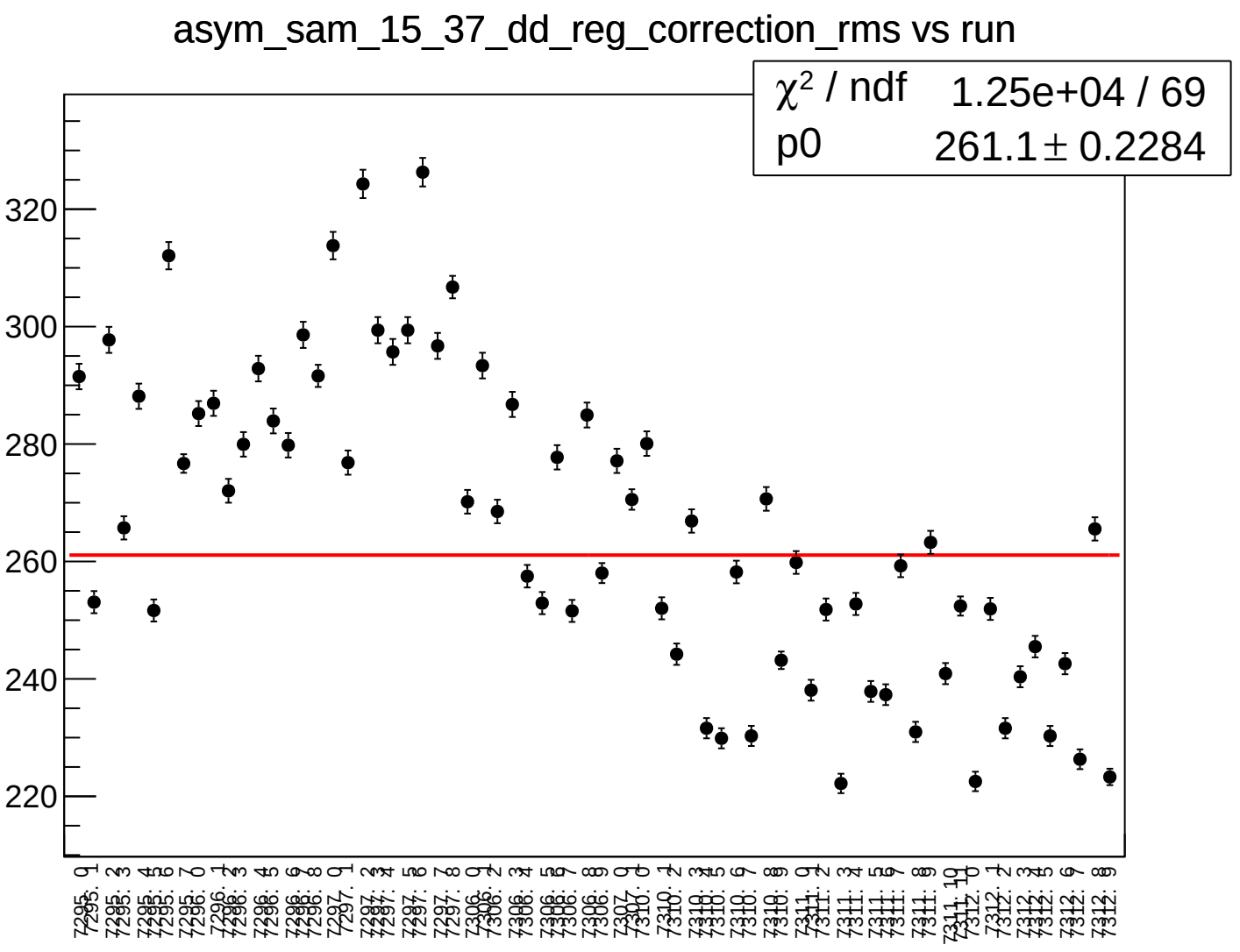

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.83 / 69
p0 50.82 ± 45.62
pull
Entries 70
Mean −44.5
Std Dev 0

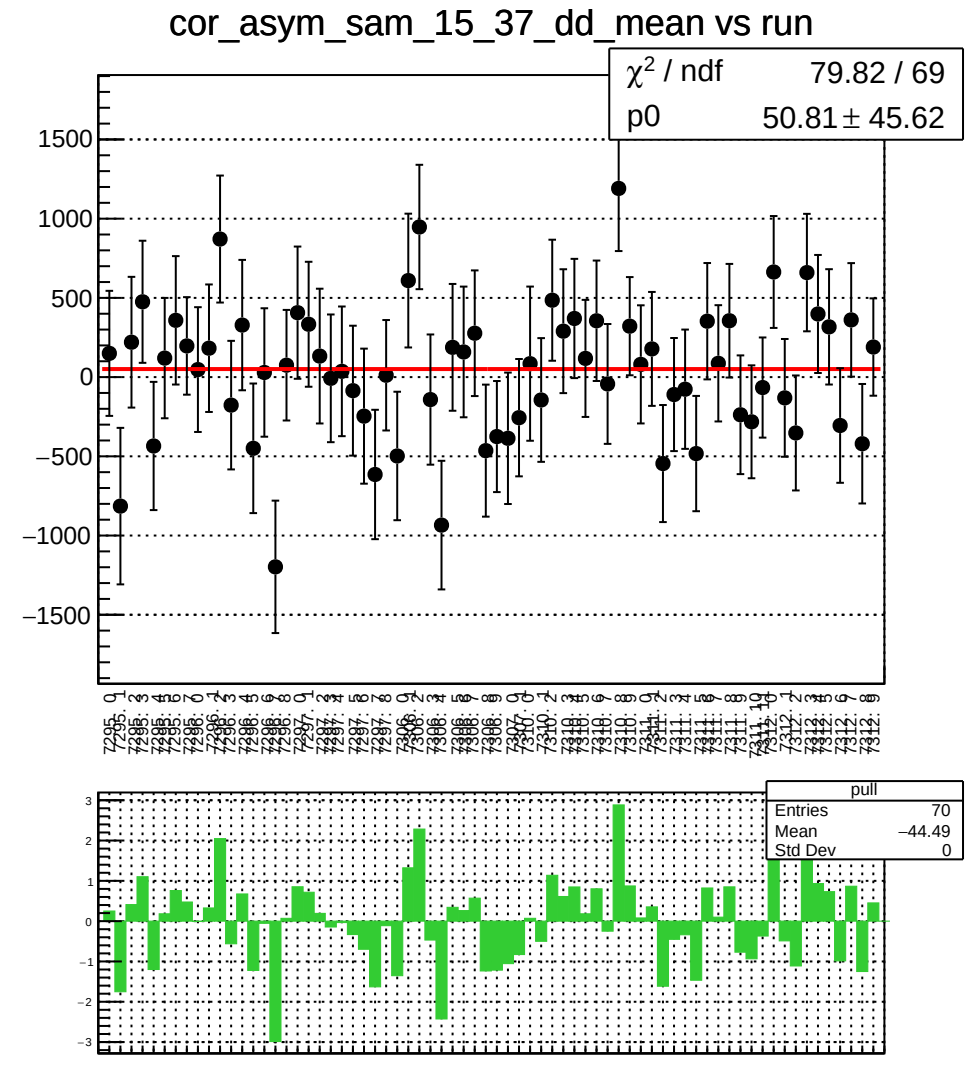

pull1D
Entries 70
Mean −0.01471
Std Dev 1.068

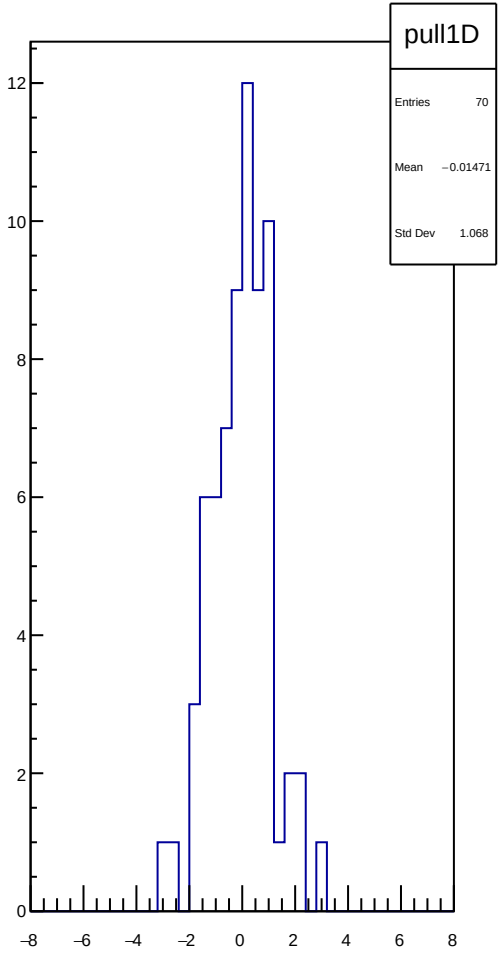

reg_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5259 / 69
p0 36.98 ± 0.03226
48
46
44
42
40
38
36
34
32

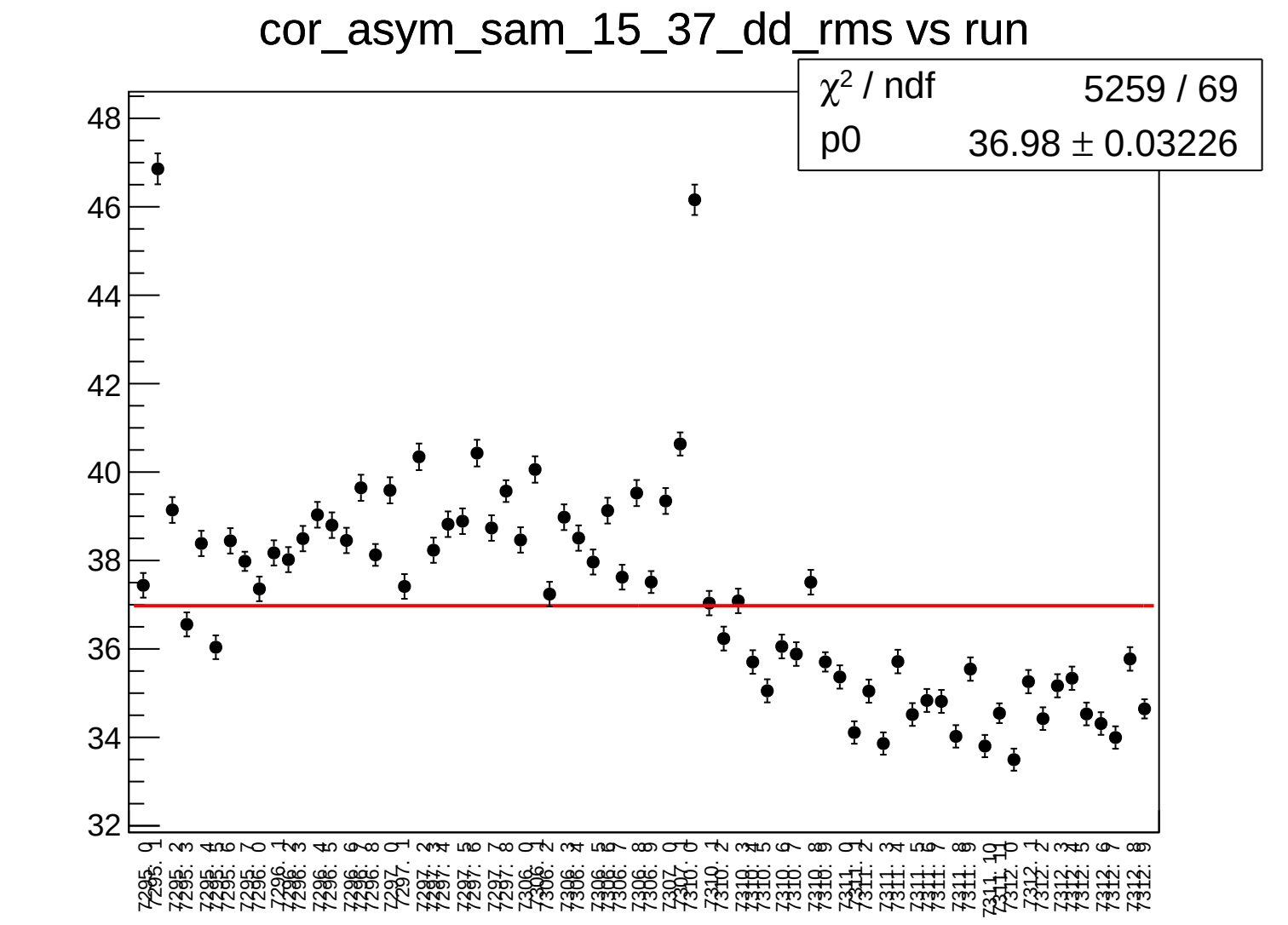

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 70.1 / 69
p0 329.1 ± 323
pull
Entries 70
Mean 327.9
Std Dev 0

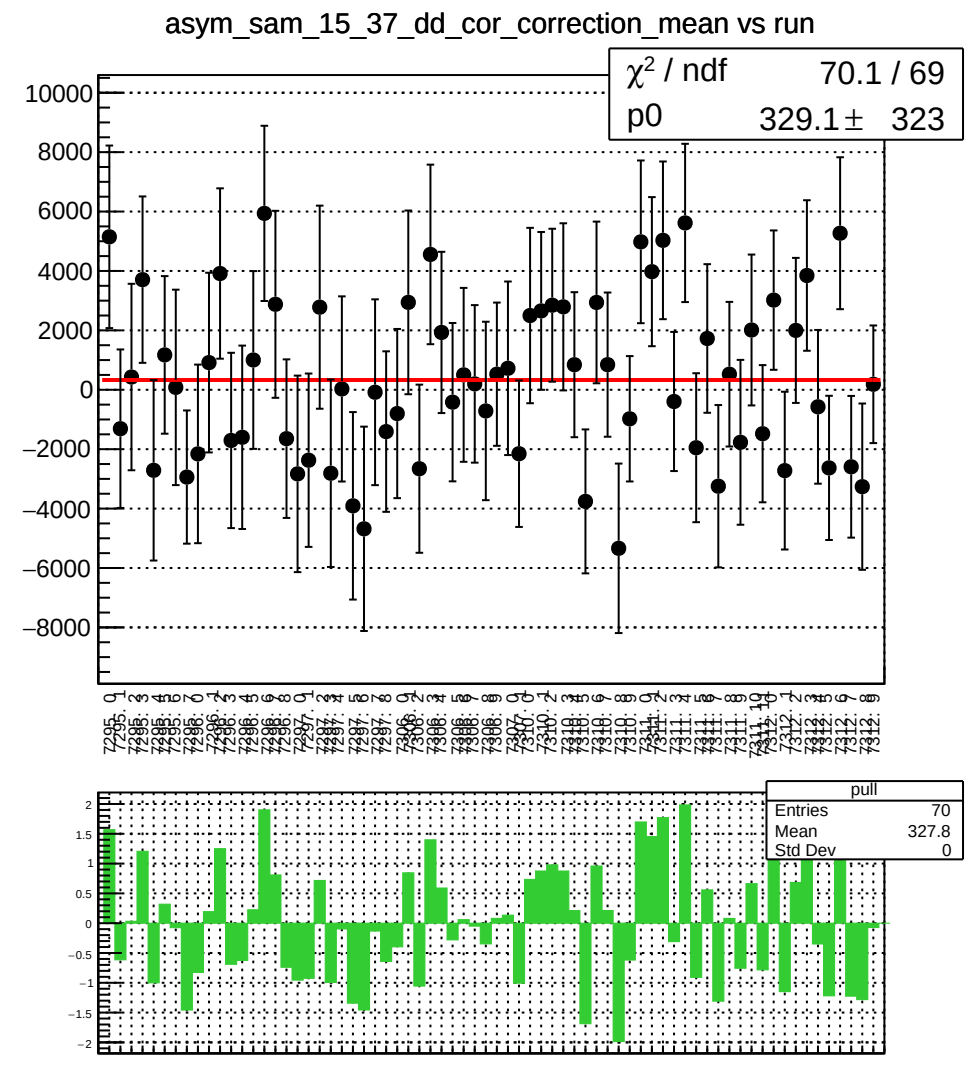

pull1D
Entries 70
Mean 0.002526
Std Dev 1.001

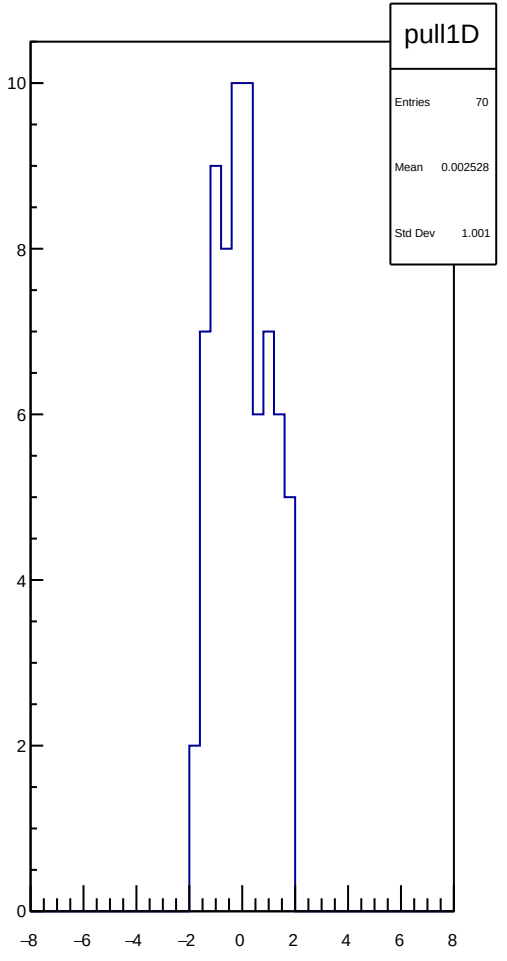

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 1.25e+04 / 69
p0 261.1 ± 0.2284
320
300
280
260
240
220

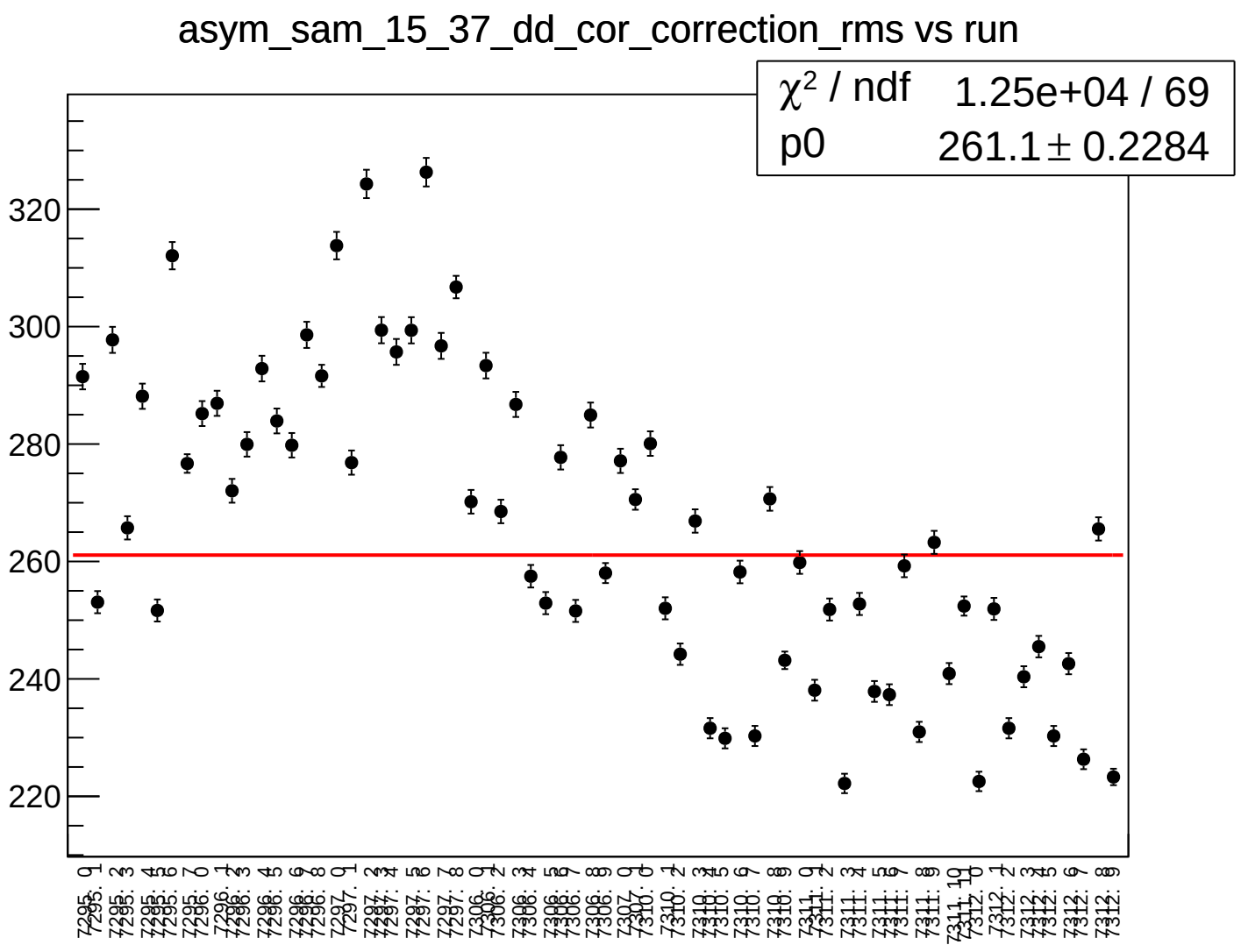

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.82 / 69
p0 50.81 ± 45.62
pull
Entries 70
Mean −44.49
Std Dev 0

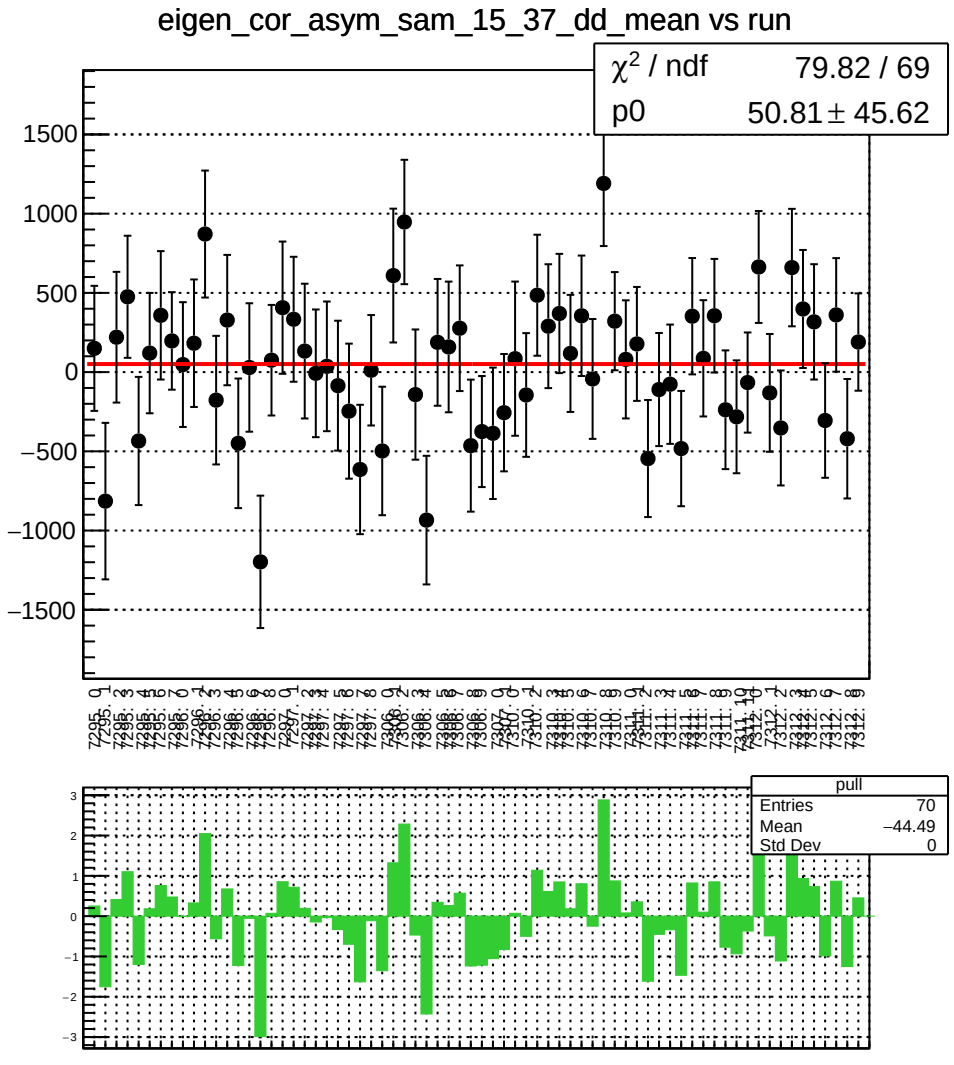

pull1D
Entries 70
Mean −0.01471
Std Dev 1.068

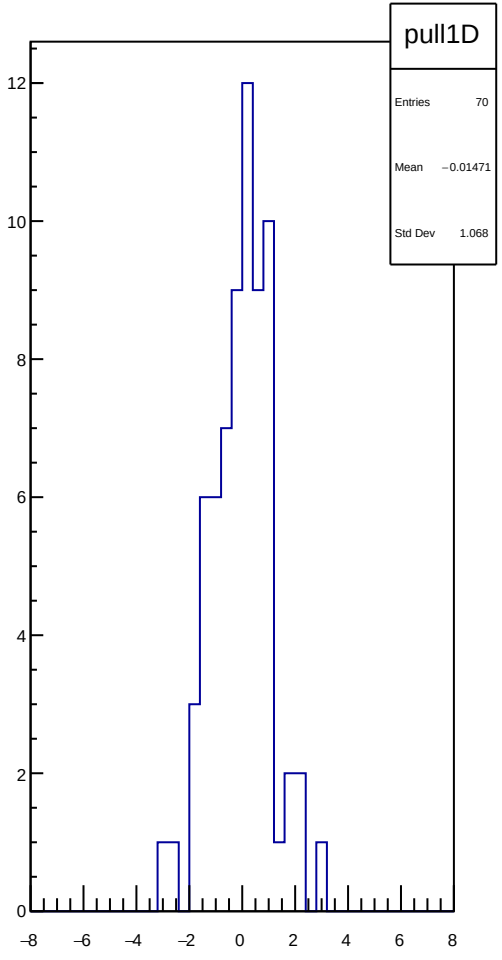

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 5259 / 69
p0 36.98 ± 0.03226
48
46
44
42
40
38
36
34
32

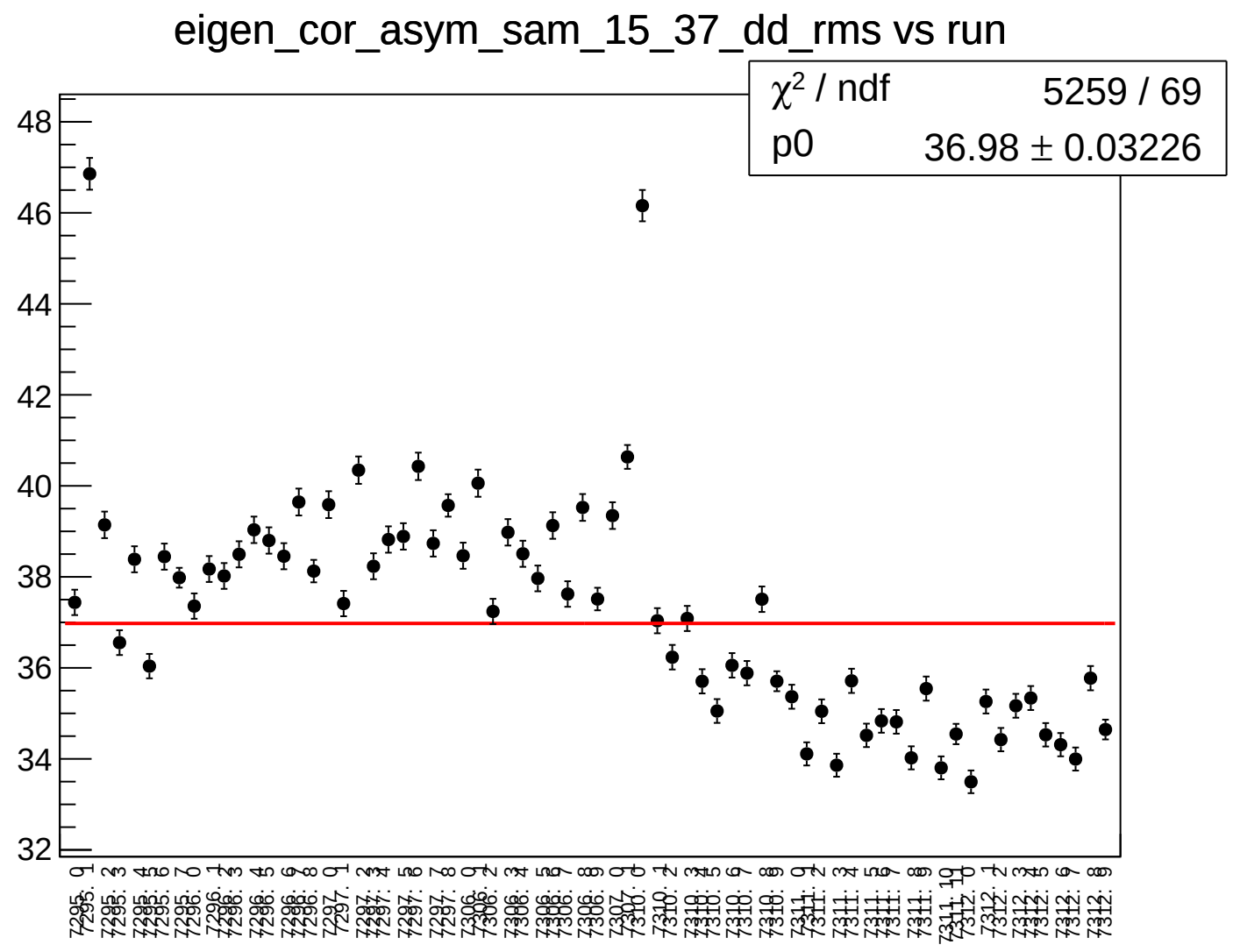

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 70.1 / 69
p0 329.1 ± 323
pull
Entries 70
Mean 327.8
Std Dev 0

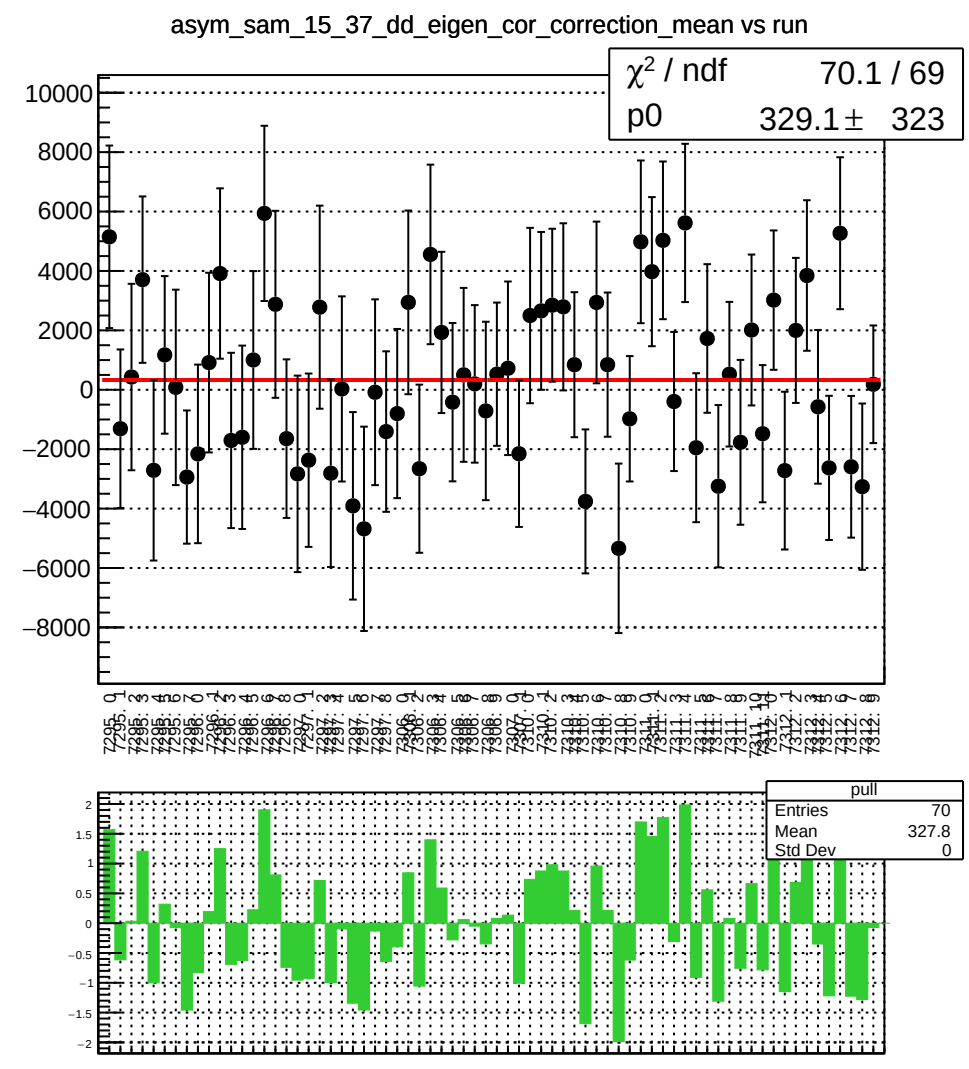

pull1D
Entries 70
Mean 0.002528
Std Dev 1.001

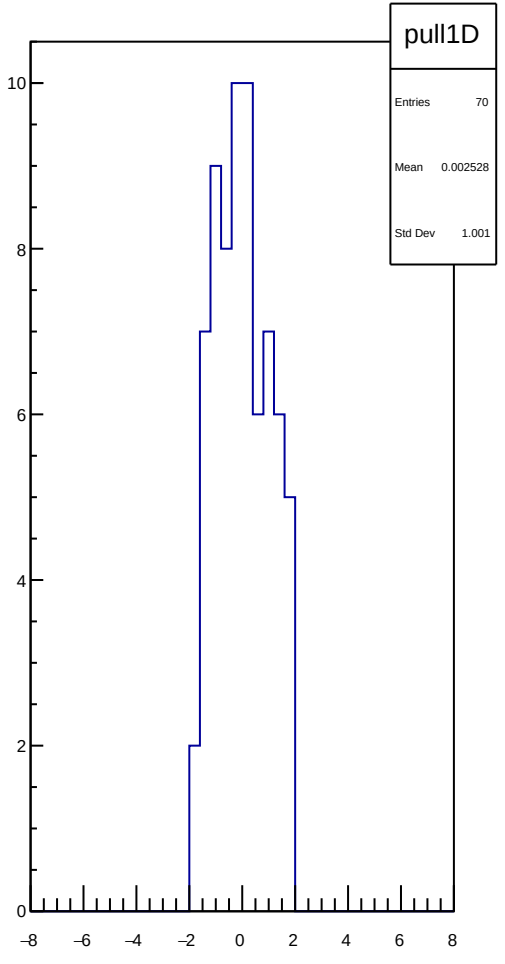

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 1.25e+04 / 69
p0 261.1 ± 0.2284
320
300
280
260
240
220

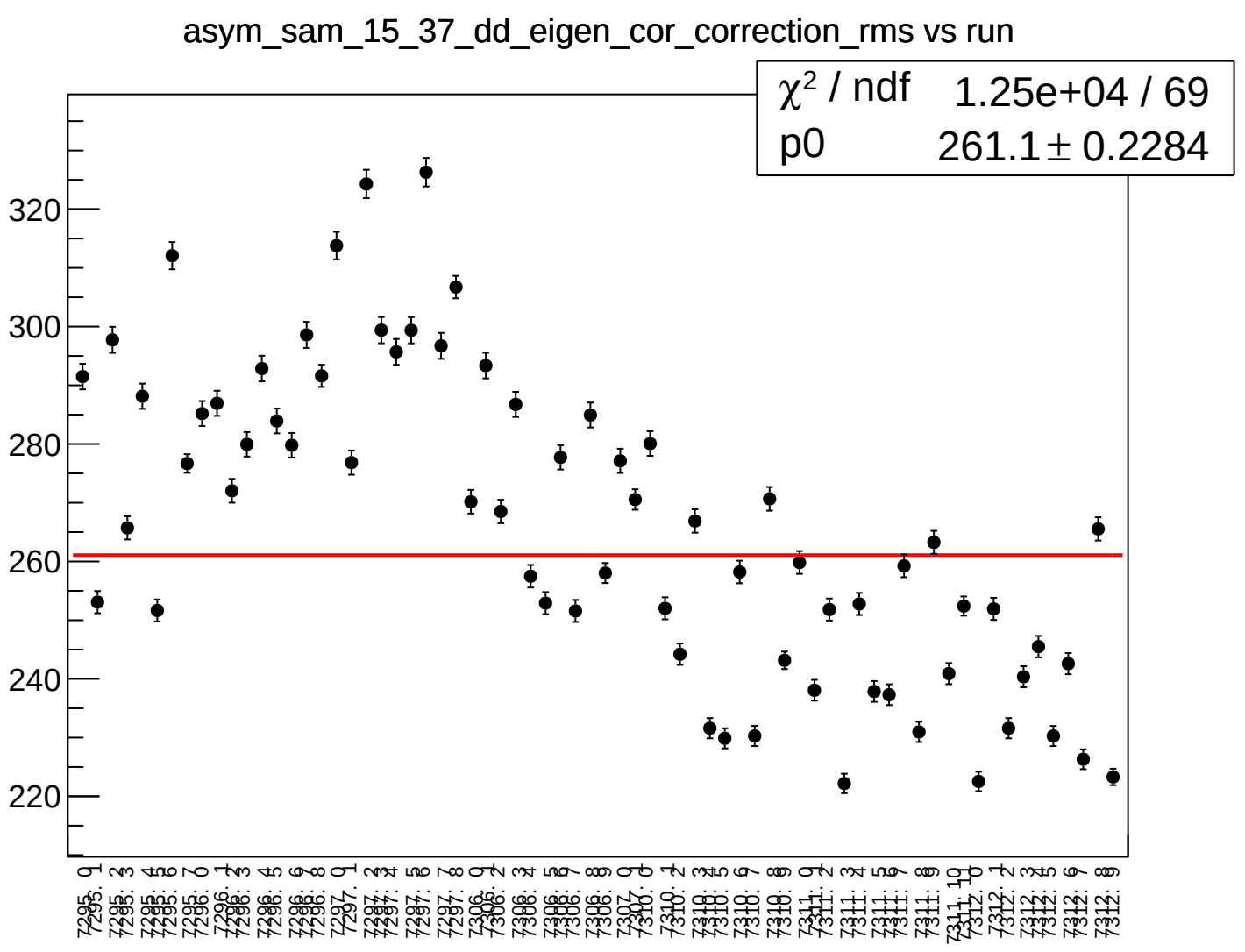

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.82 / 69
p0 50.81 ± 45.62
pull
Entries 70
Mean −44.49
Std Dev 0

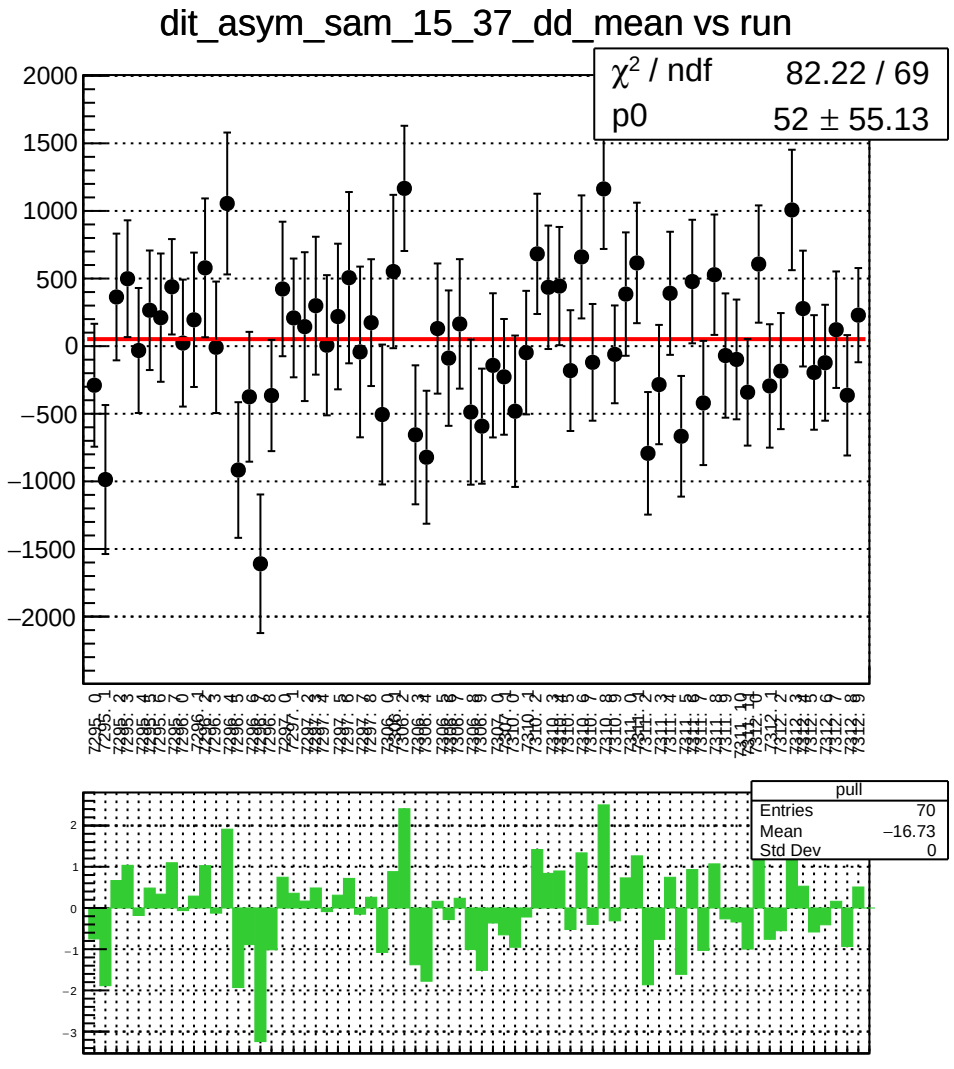

pull1D
Entries 70
Mean −0.01471
Std Dev 1.068

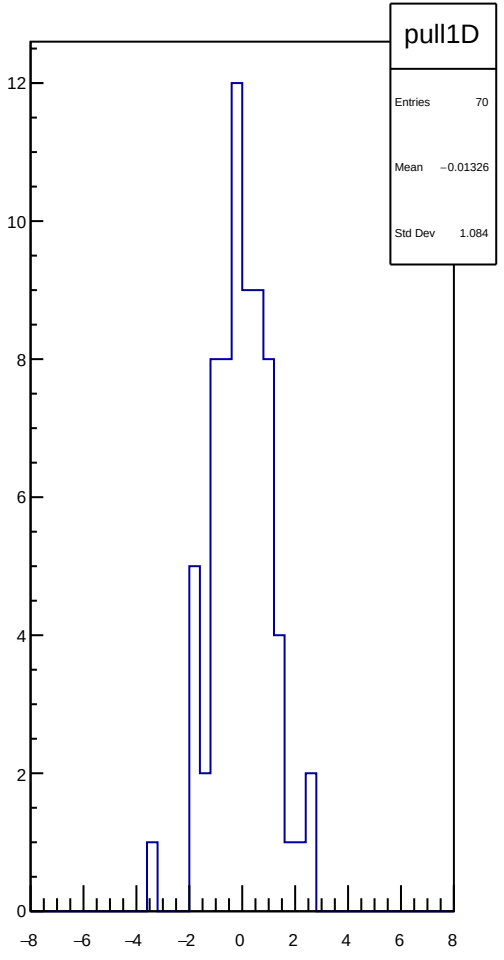

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 5259 / 69
p0 36.98 ± 0.03226
48
46
44
42
40
38
36
34
32

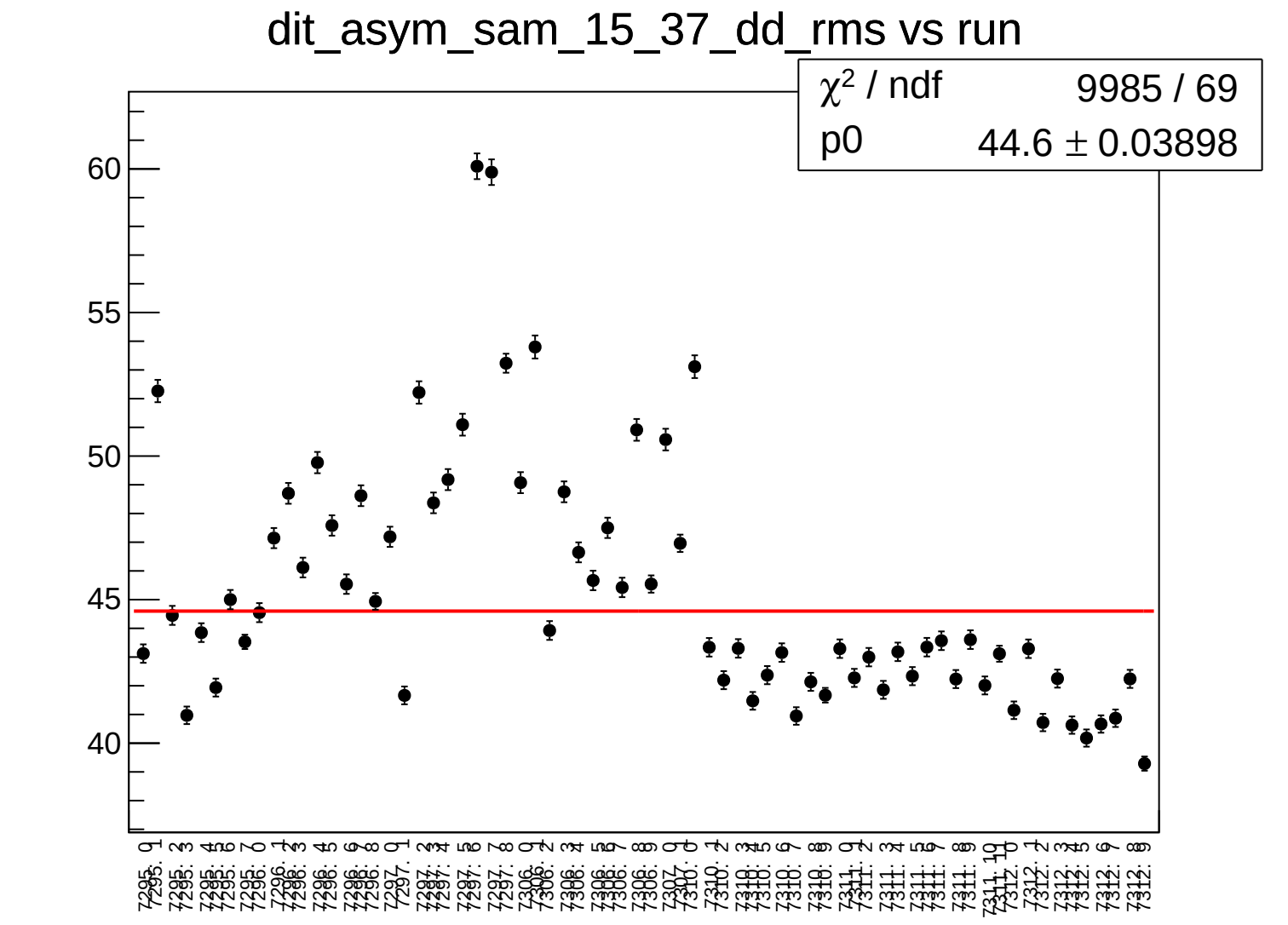

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.1 / 69
p0 329.1 ± 323
pull
Entries 70
Mean 327.8
Std Dev 0

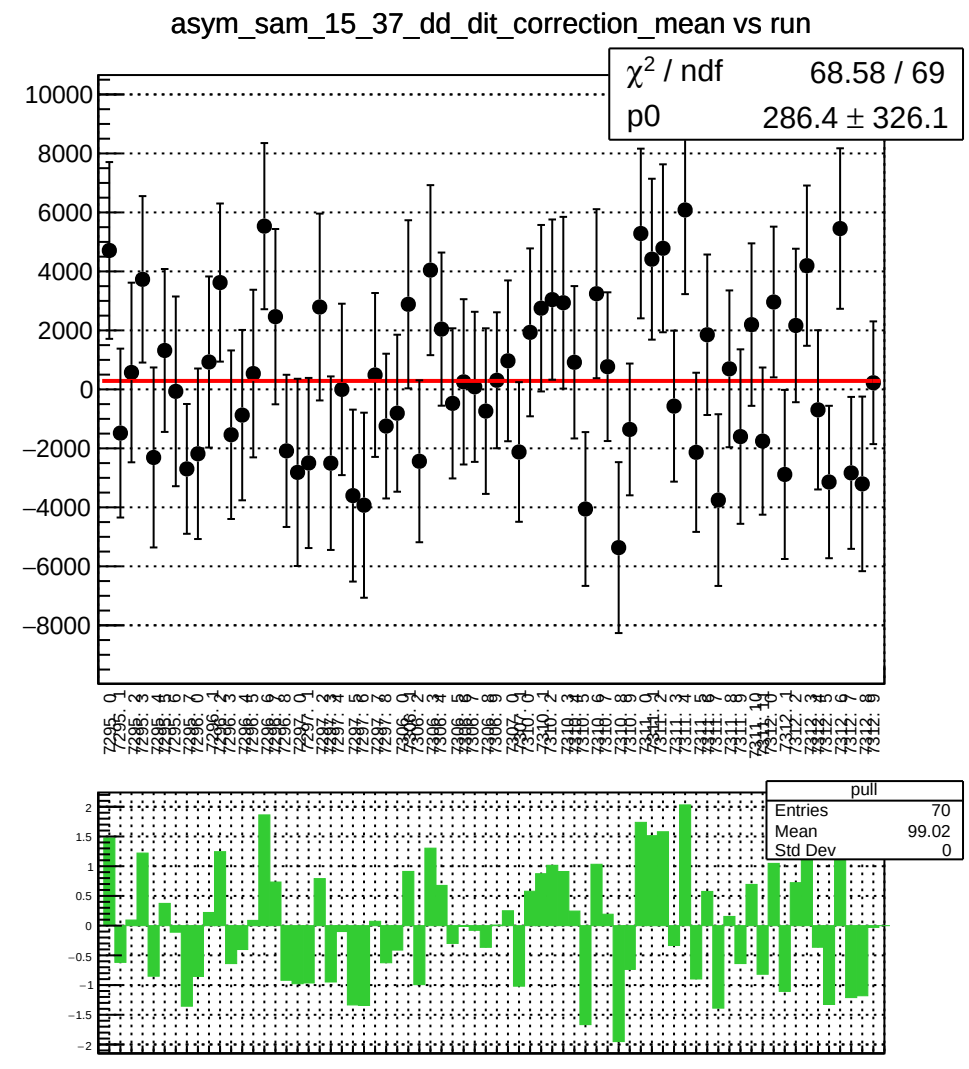

pull1D
Entries 70
Mean 0.002528
Std Dev 1.001

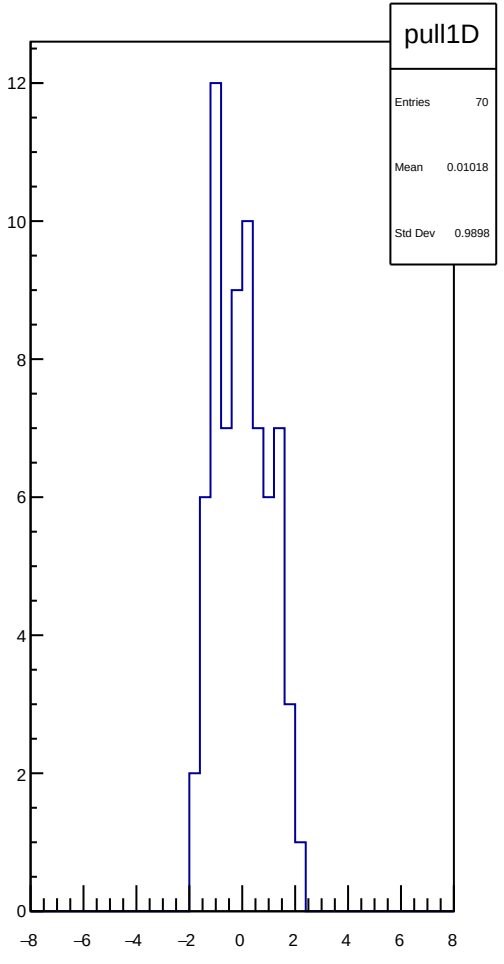

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.25e+04 / 69
p0 261.1 ± 0.2284
320
300
280
260
240
220

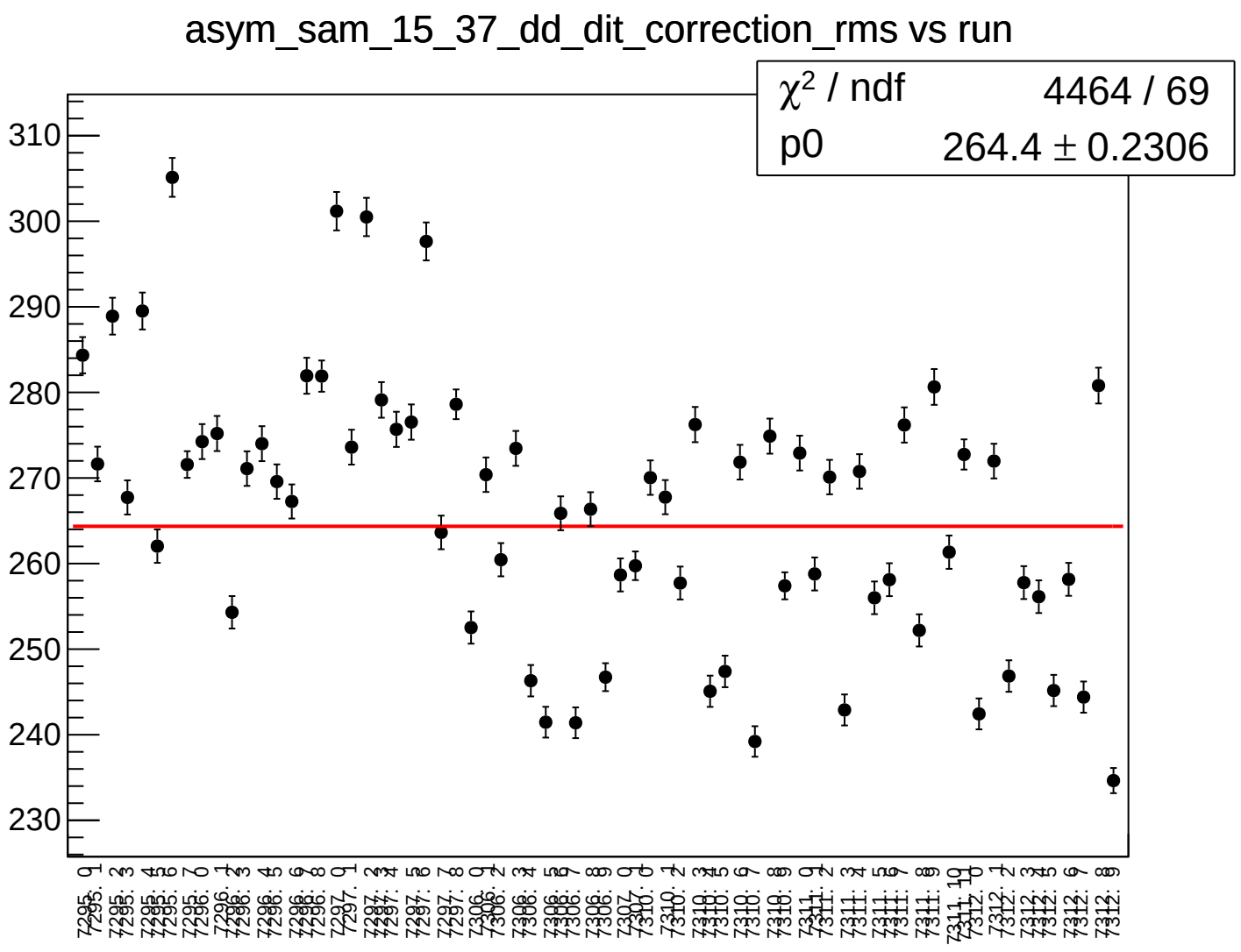

dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 82.22 / 69
p0 52 ± 55.13
pull
Entries 70
Mean −16.73
Std Dev 0

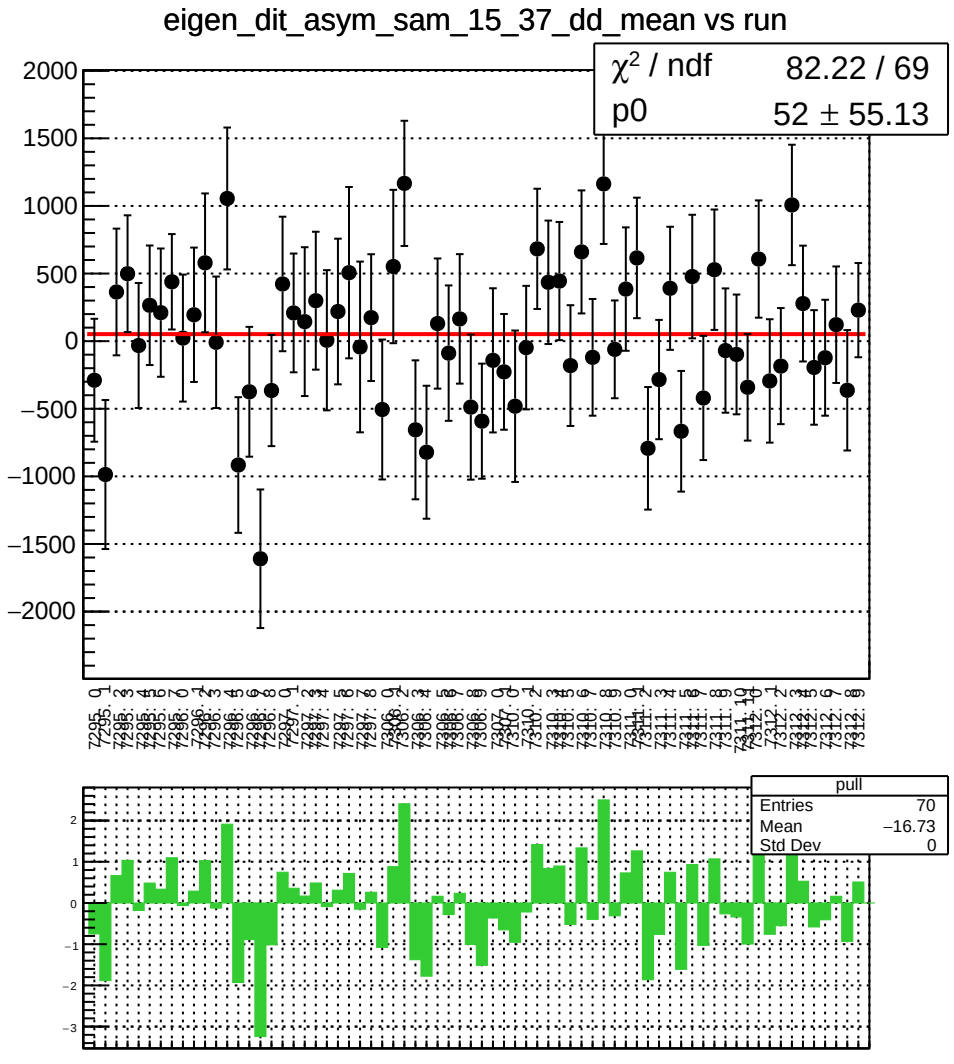

pull1D
Entries 70
Mean −0.01326
Std Dev 1.084

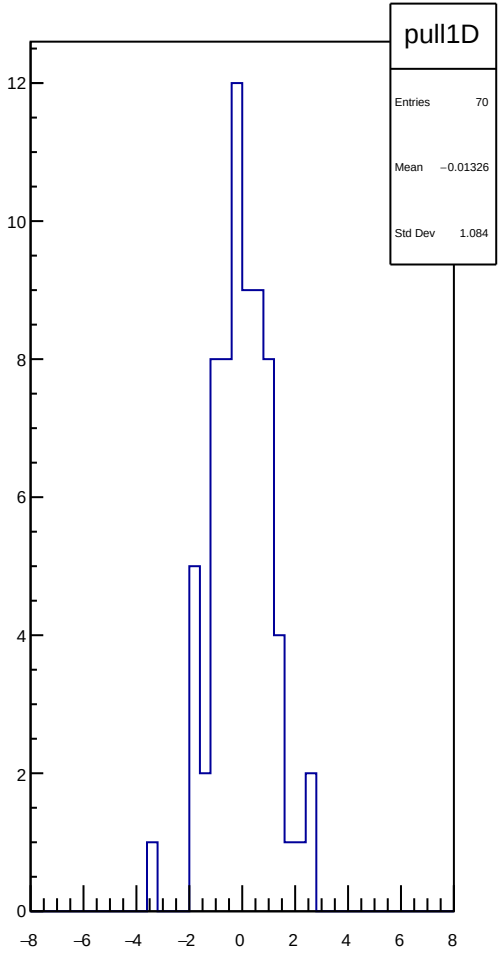

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 9985 / 69
p0 44.6 ± 0.03898
60
55
50
45
40

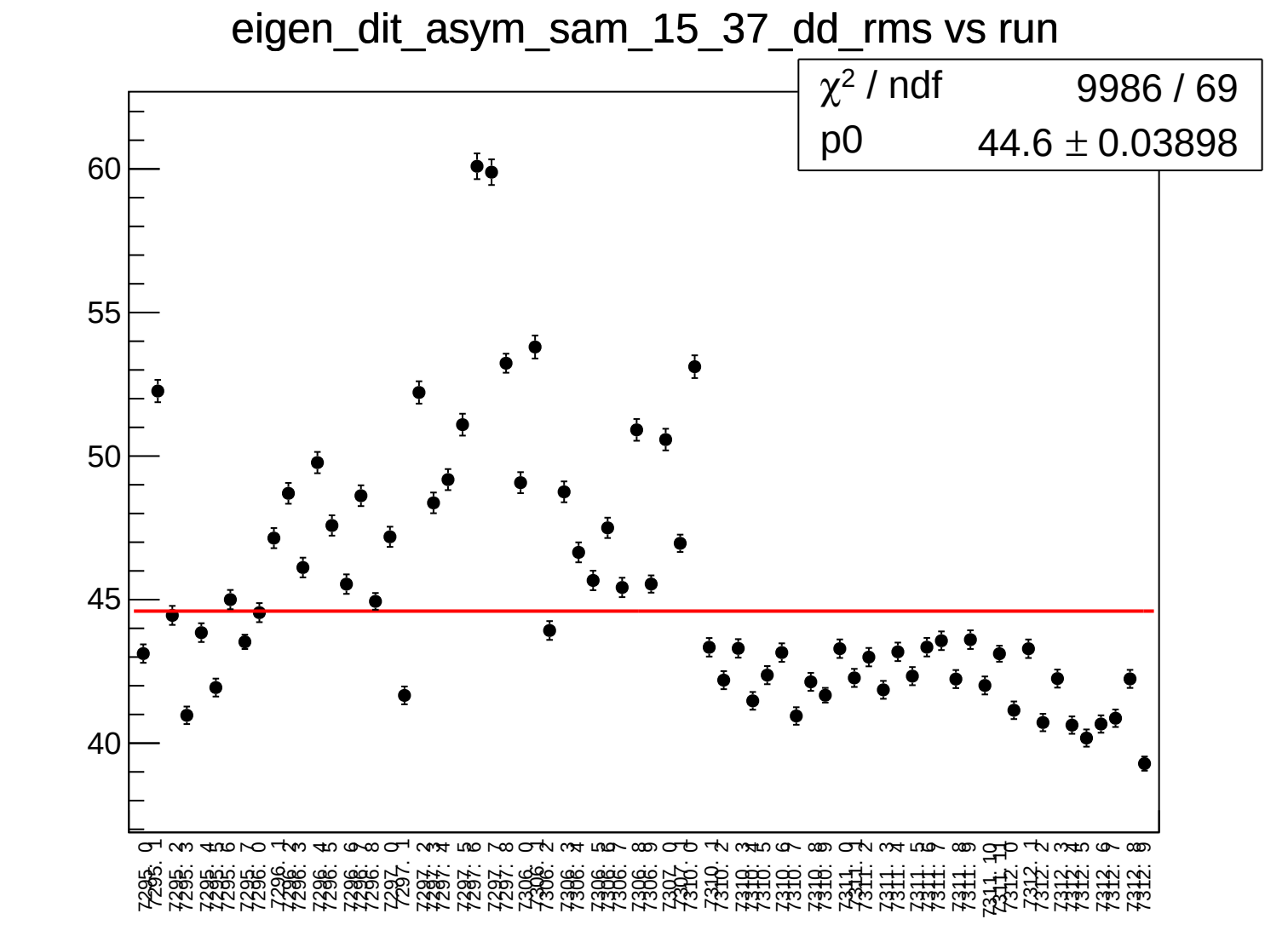

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 68.58 / 69
p0 286.4 ± 326.1
pull
Entries 70
Mean 99.02
Std Dev 0

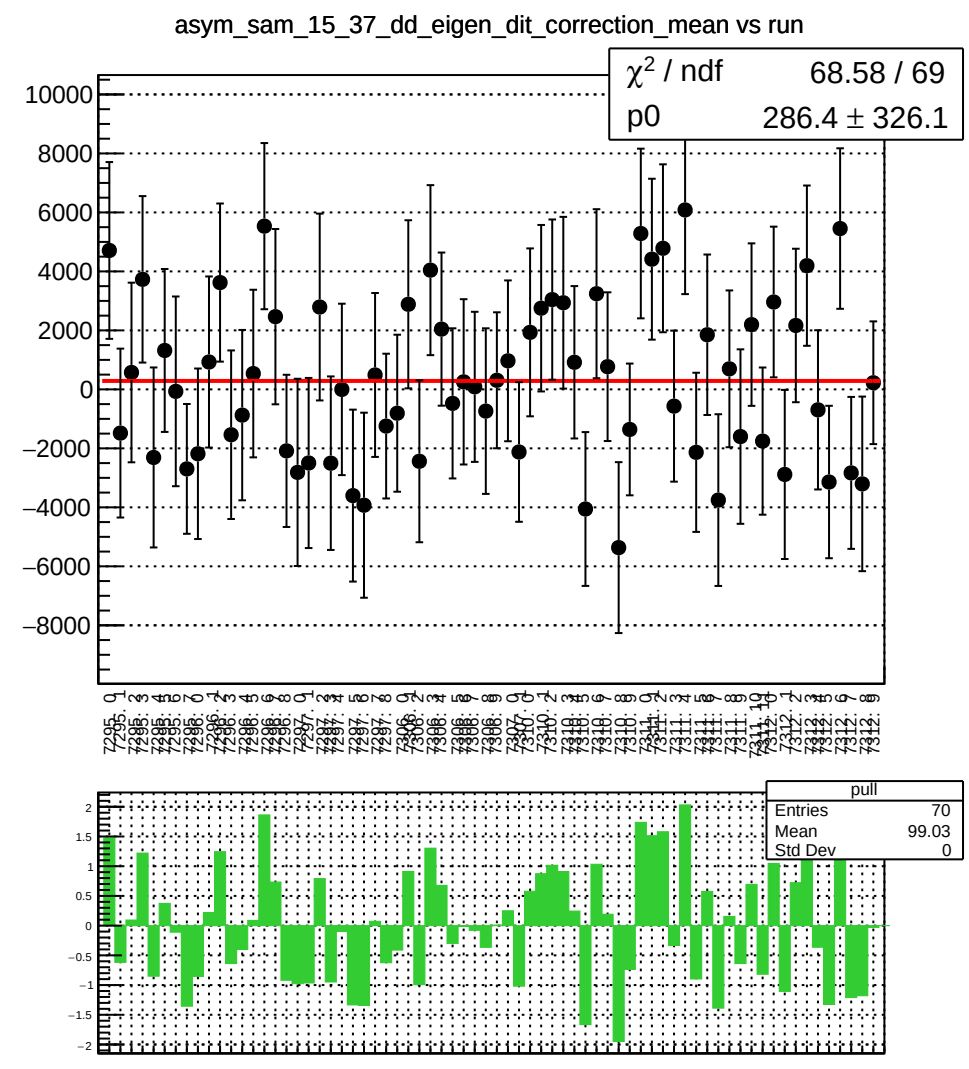

pull1D
Entries 70
Mean 0.01018
Std Dev 0.9898

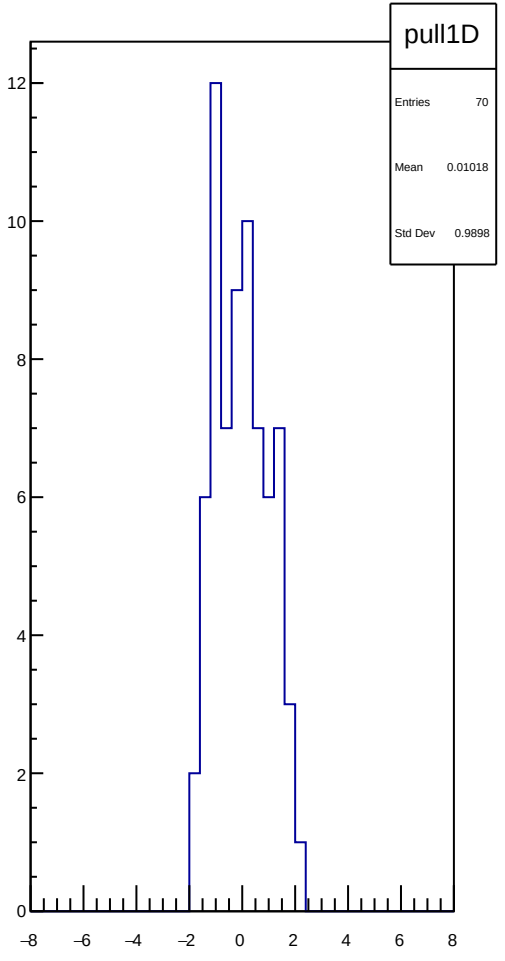

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4464 / 69
p0 264.4 ± 0.2306
310
300
290
280
270
260
250
240
230

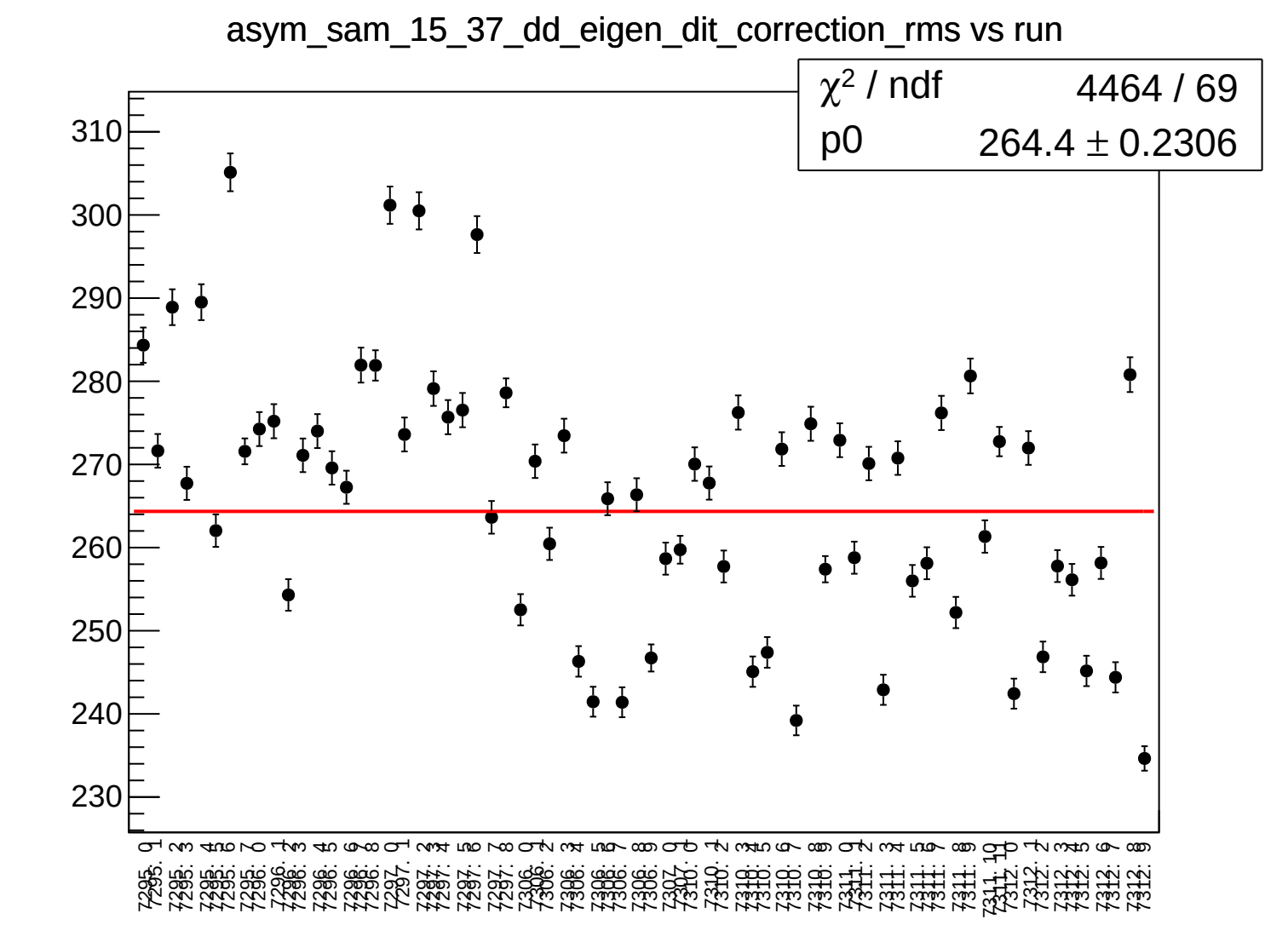

eigen_dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 82.22 / 69
p0 52 ± 55.13
pull
Entries 70
Mean −16.73
Std Dev 0

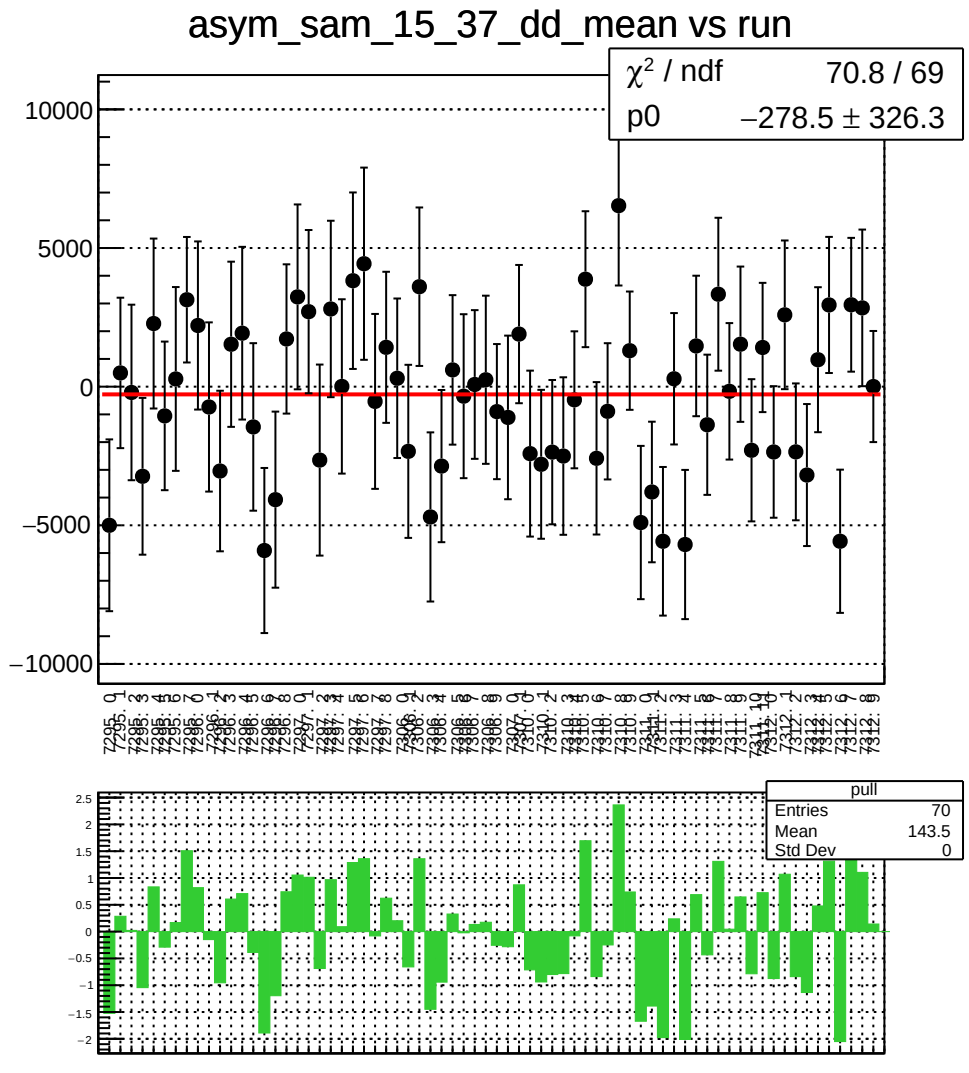

pull1D
Entries 70
Mean −0.01326
Std Dev 1.084

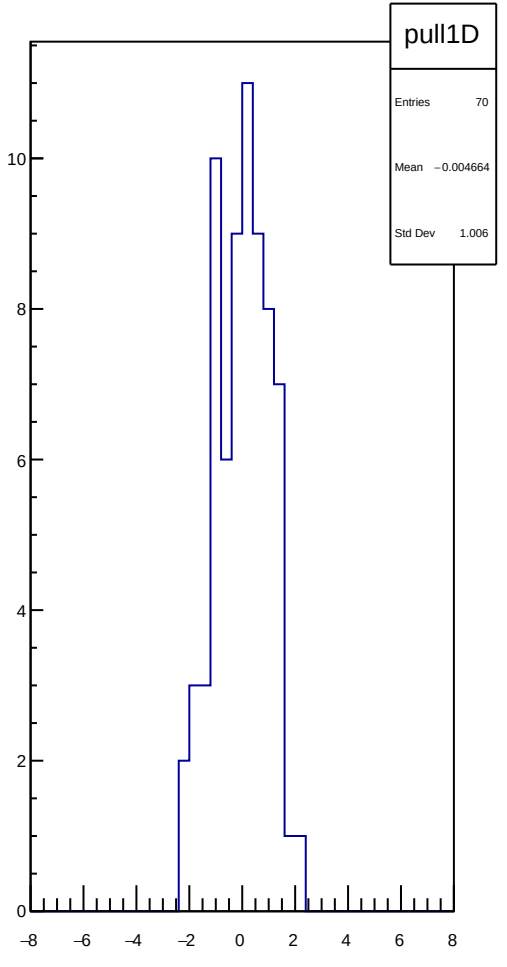

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 9986 / 69
p0 44.6 ± 0.03898
60
55
50
45
40

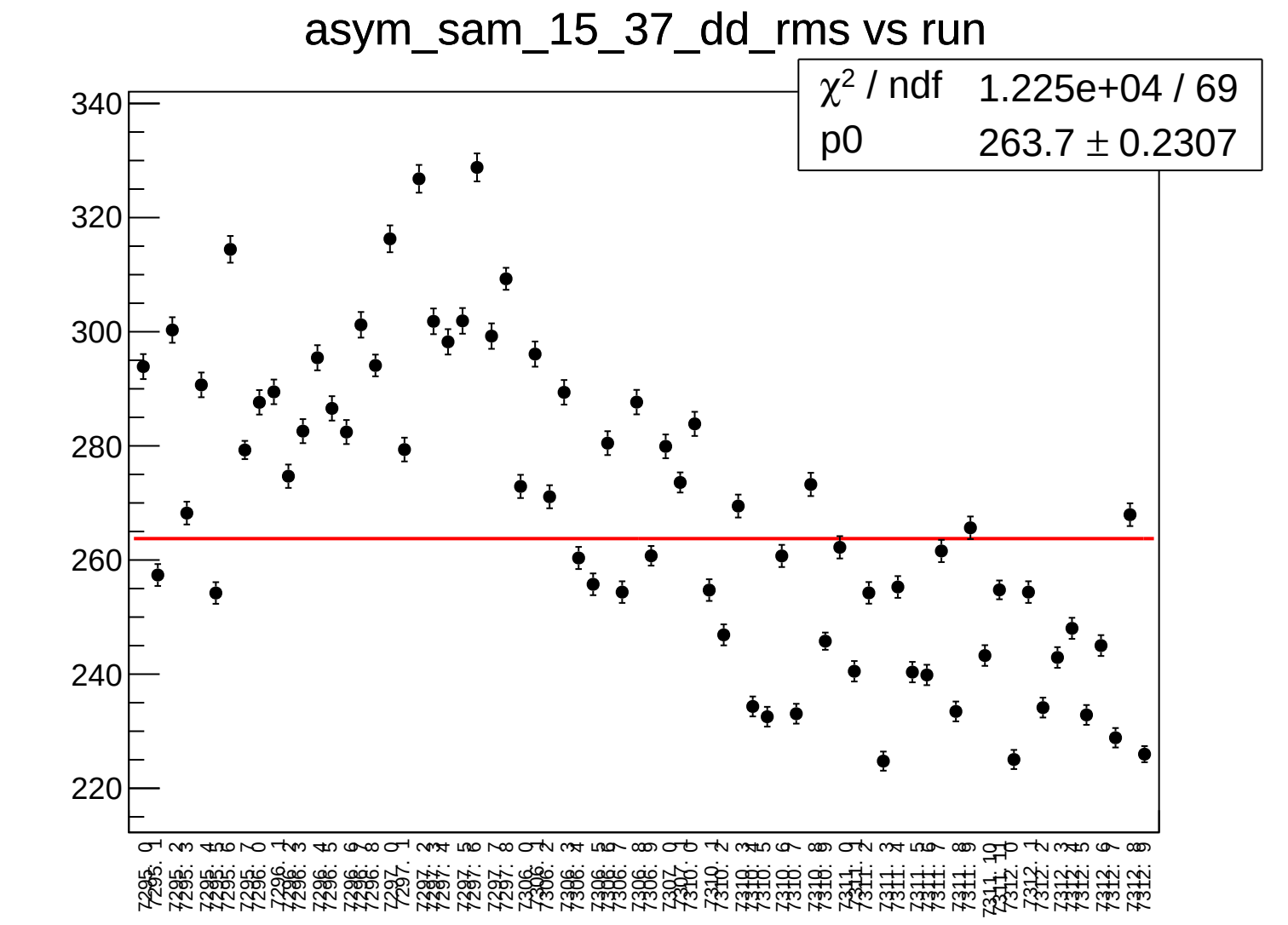

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.58 / 69
p0 286.4 ± 326.1
pull
Entries 70
Mean 99.03
Std Dev 0

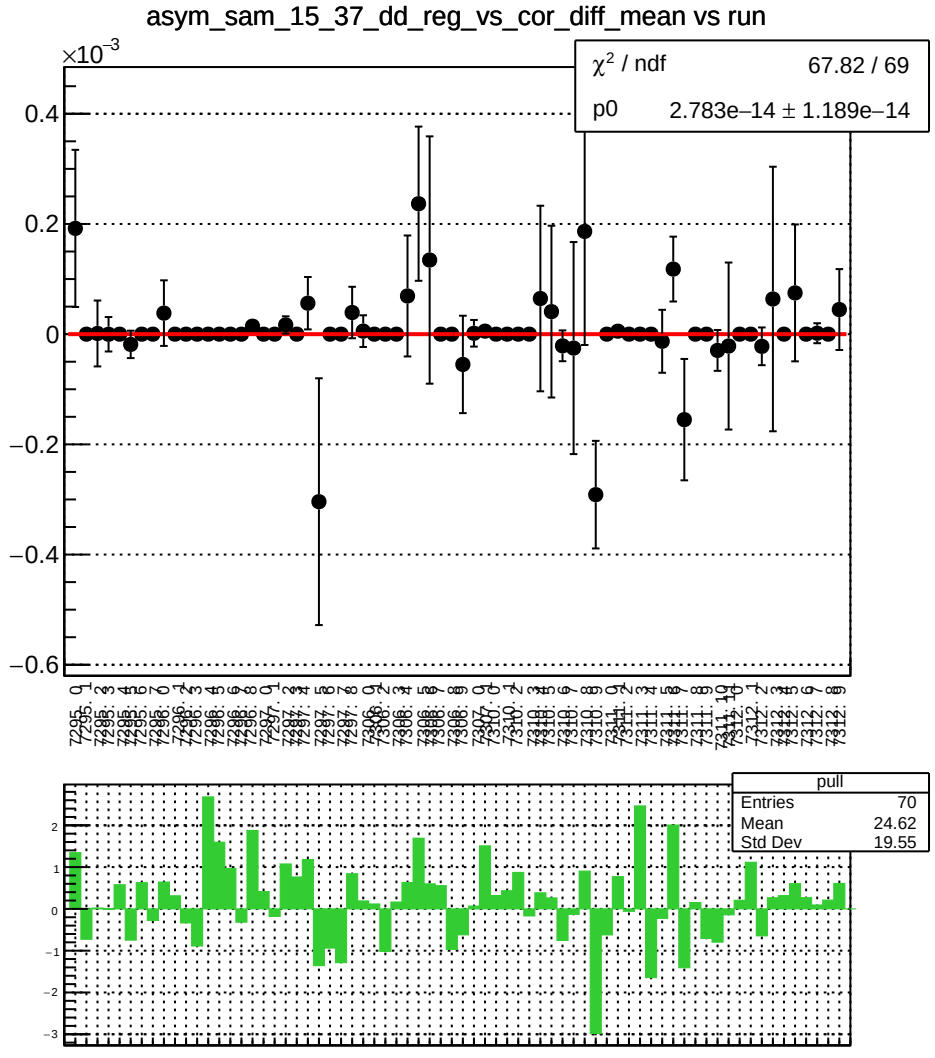

pull1D
Entries 70
Mean 0.01018
Std Dev 0.9898

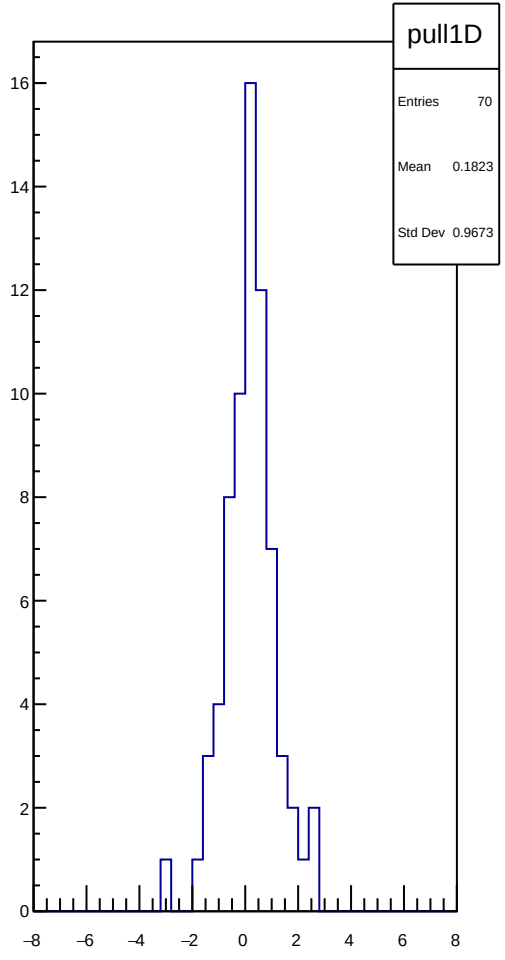

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4464 / 69
p0 264.4 ± 0.2306
310
300
290
280
270
260
250
240
230

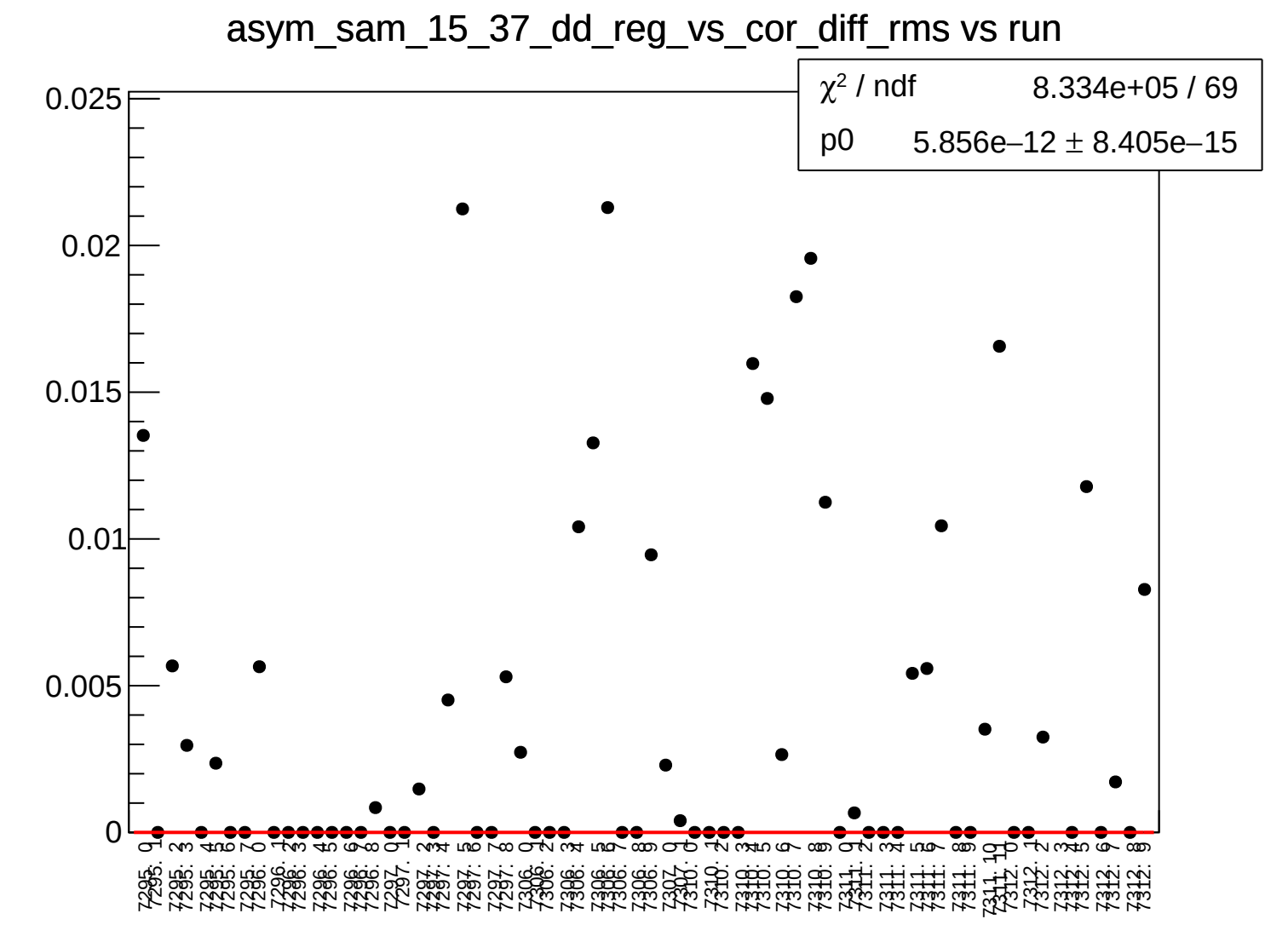

asym_sam_15_37_dd_mean vs run
χ² / ndf 70.8 / 69
p0 −278.5 ± 326.3
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 143.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

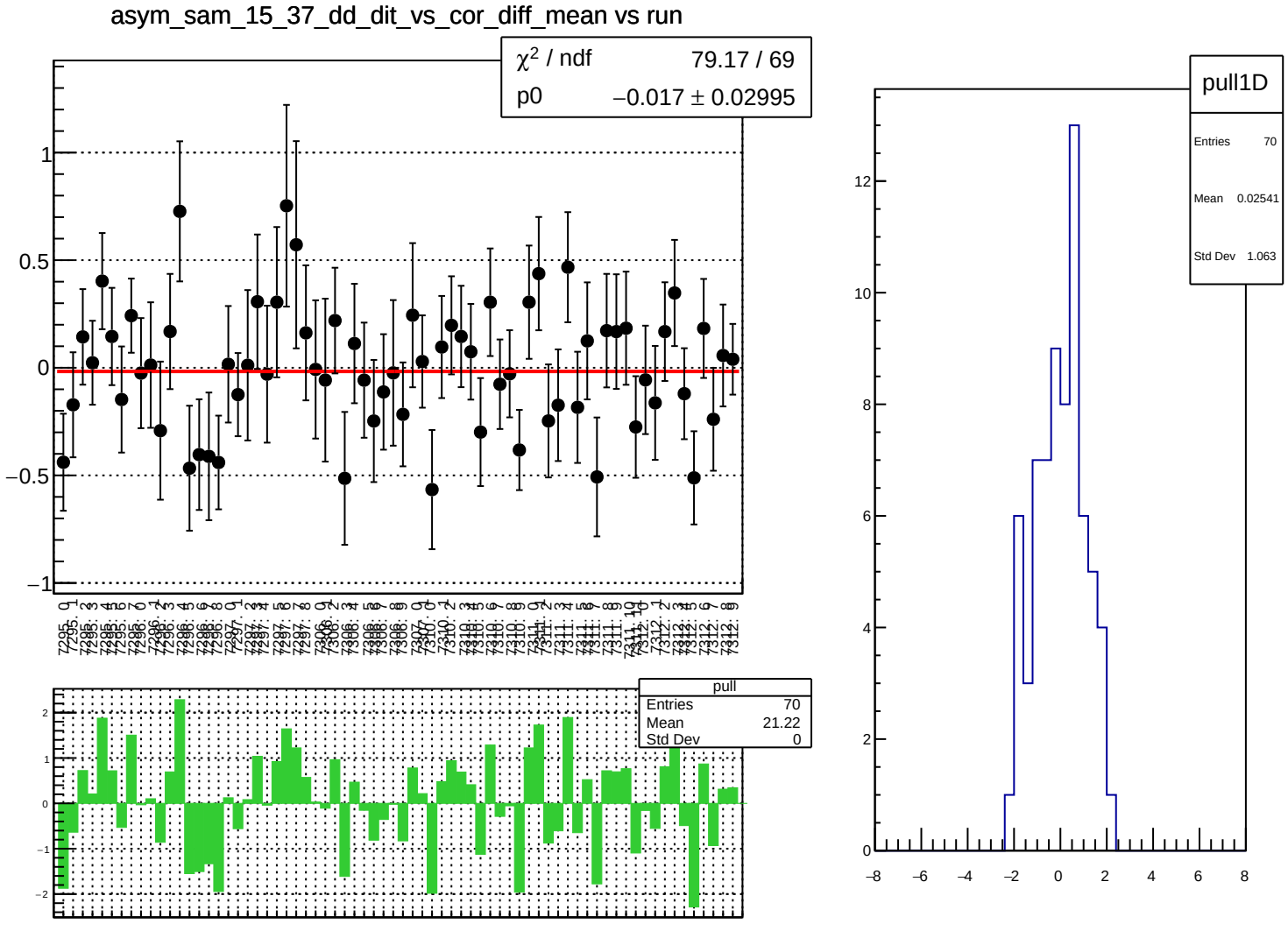

pull1D
Entries 70
Mean −0.004664
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

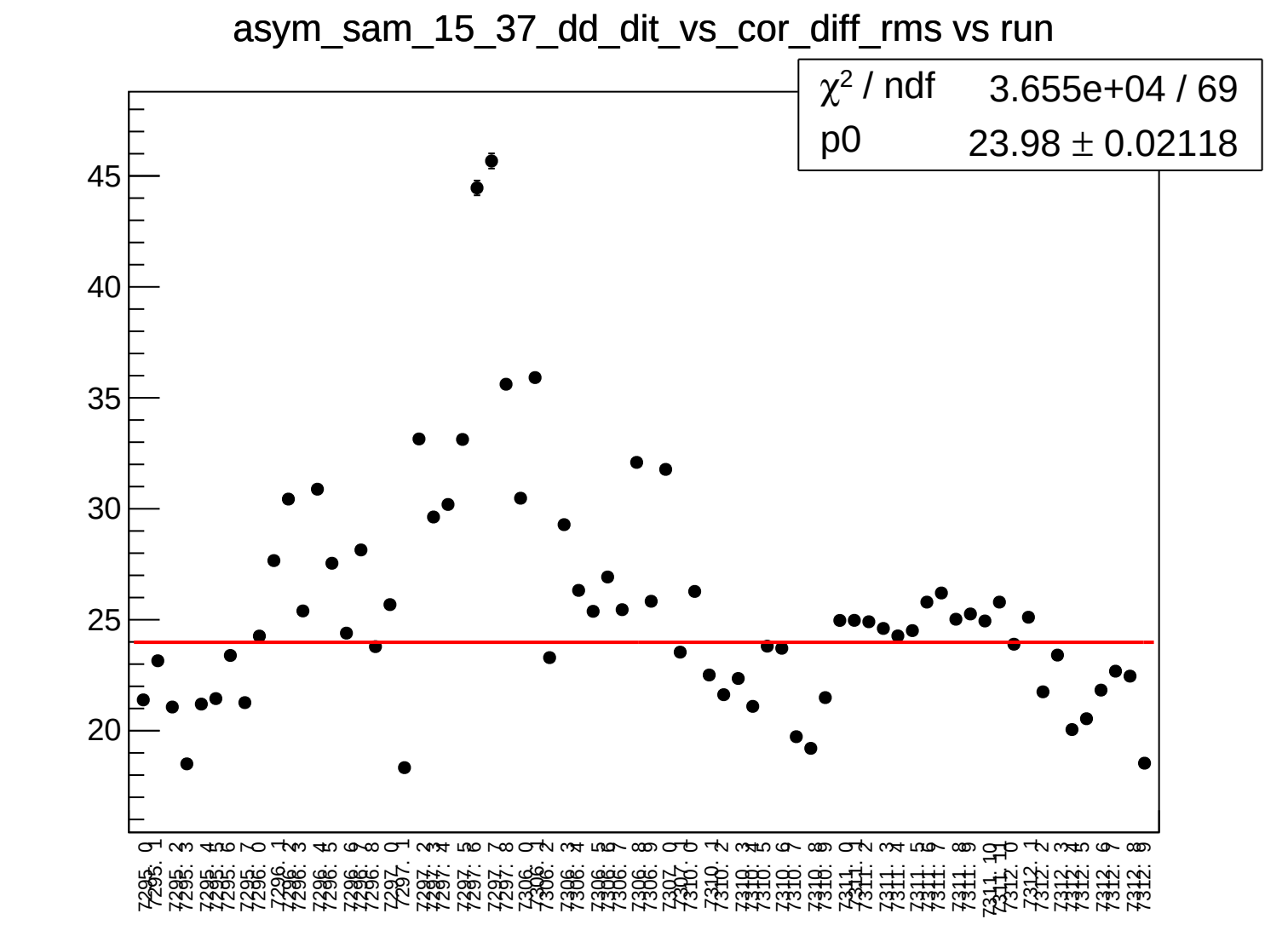

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.225e+04 / 69
p0 263.7 ± 0.2307
340
320
300
280
260
240
220

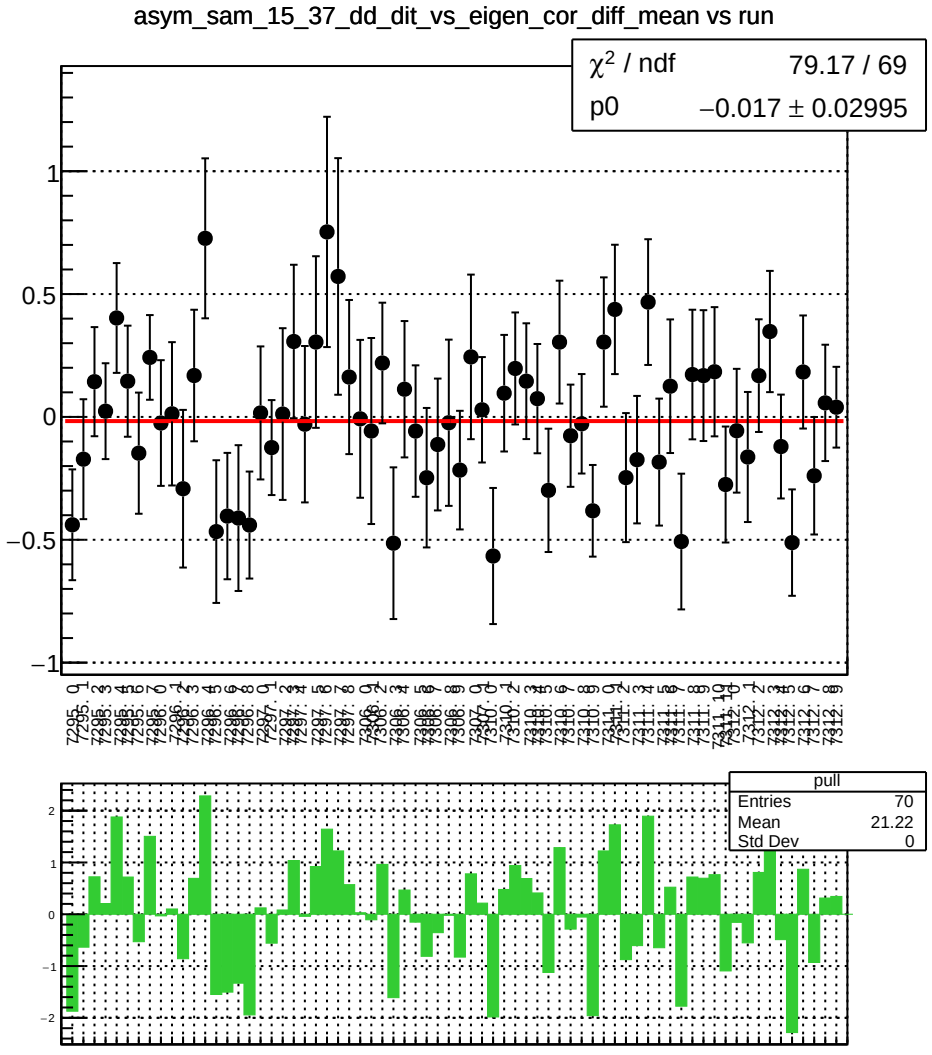

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 67.82 / 69
p0 2.783e−14 ± 1.189e−14
pull
Entries 70
Mean 24.62
Std Dev 19.55

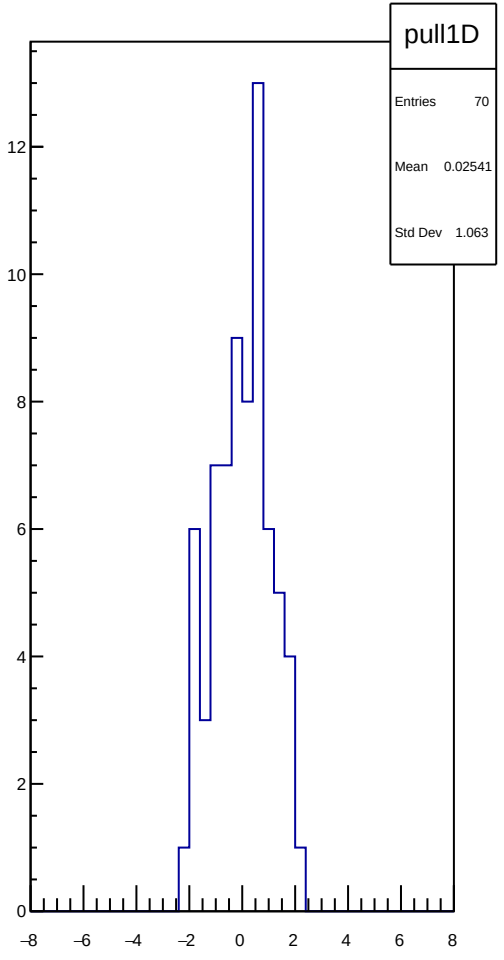

pull1D
Entries 70
Mean 0.1823
Std Dev 0.9673

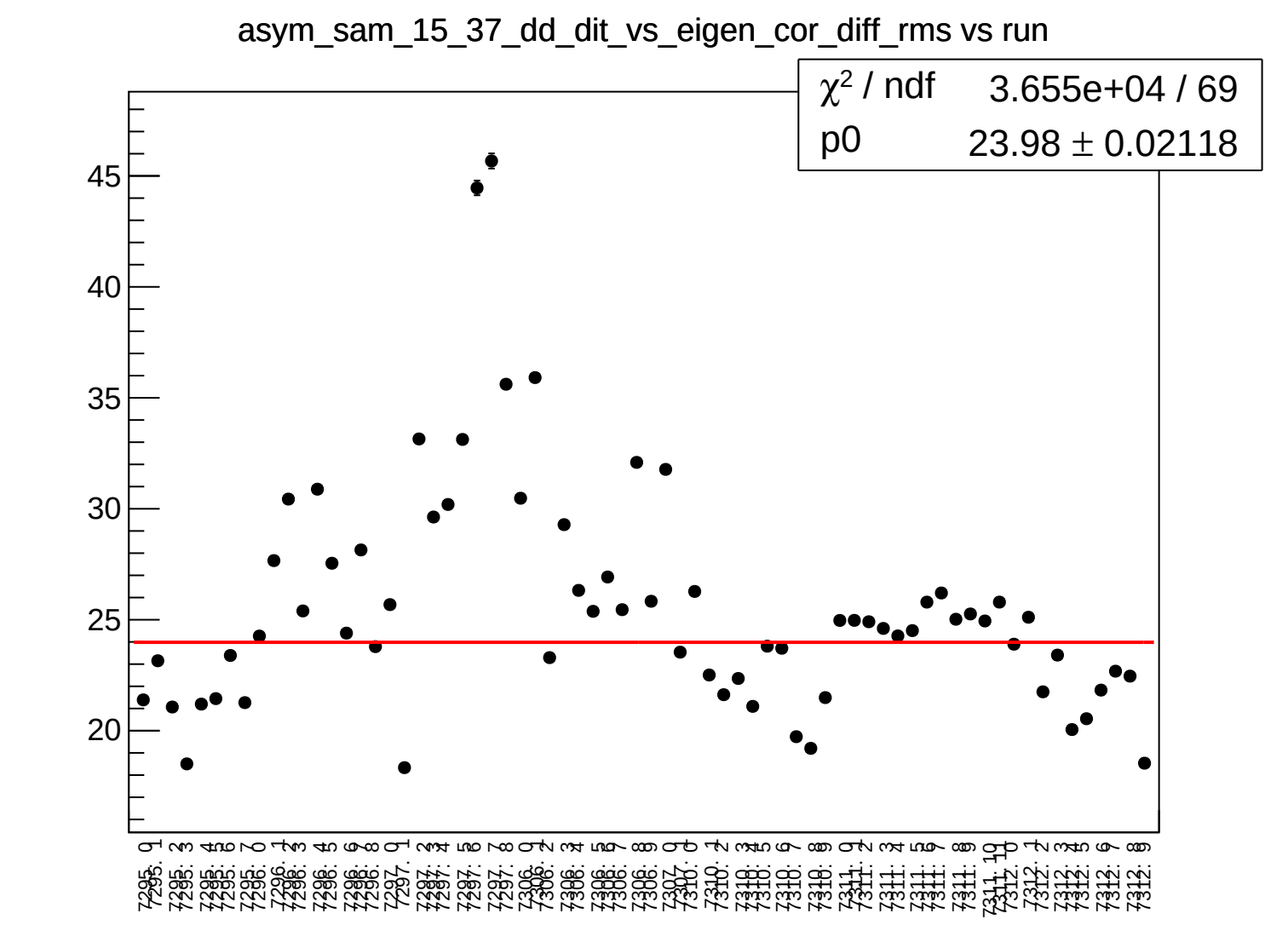

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.334e+05 / 69
p0 5.856e−12 ± 8.405e−15
0.025
0.02
0.015
0.01
0.005
0

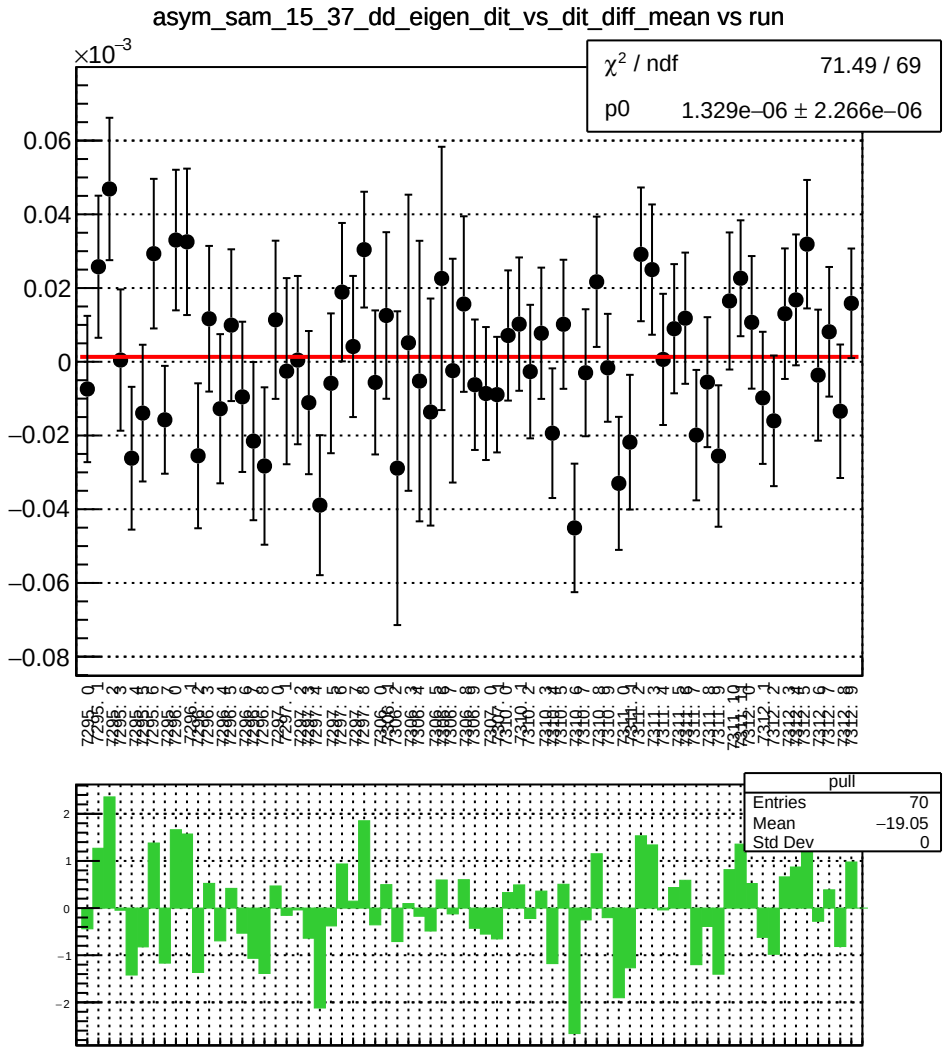

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.17 / 69
p0 −0.017 ± 0.02995
pull
Entries 70
Mean 21.22
Std Dev 0
pull1D
Entries 70
Mean 0.02541
Std Dev 1.063

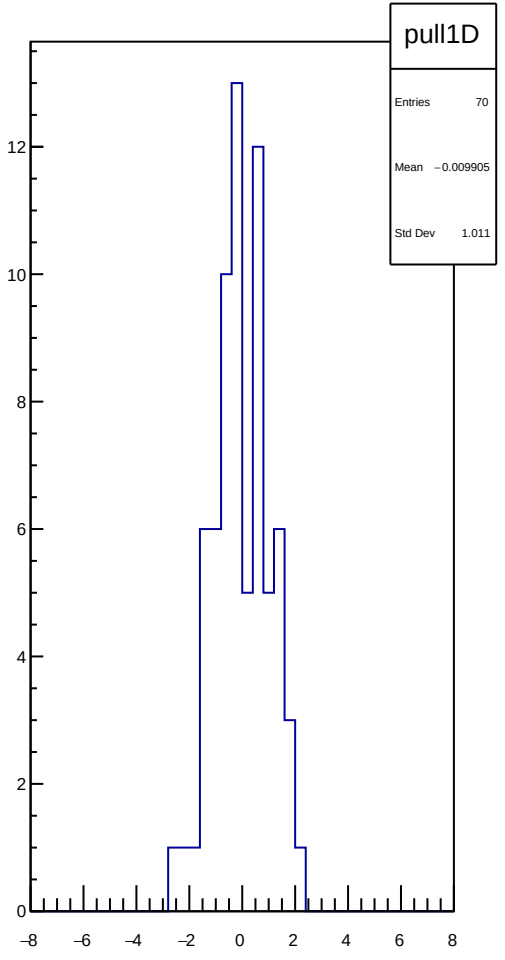

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.655e+04 / 69
p0 23.98 ± 0.02118
45
40
35
30
25
20

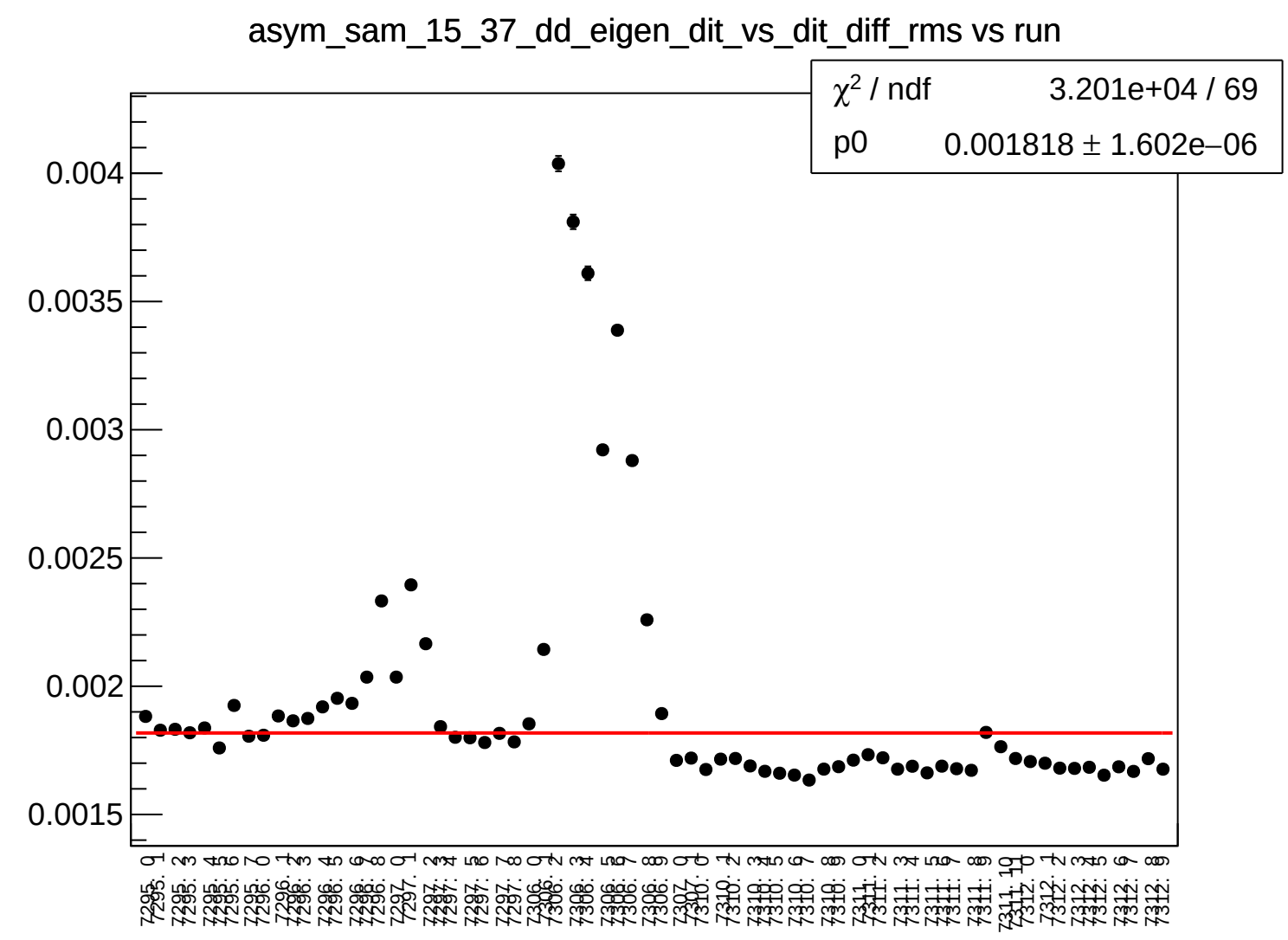

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.17 / 69
p0 −0.017 ± 0.02995
pull
Entries 70
Mean 21.22
Std Dev 0

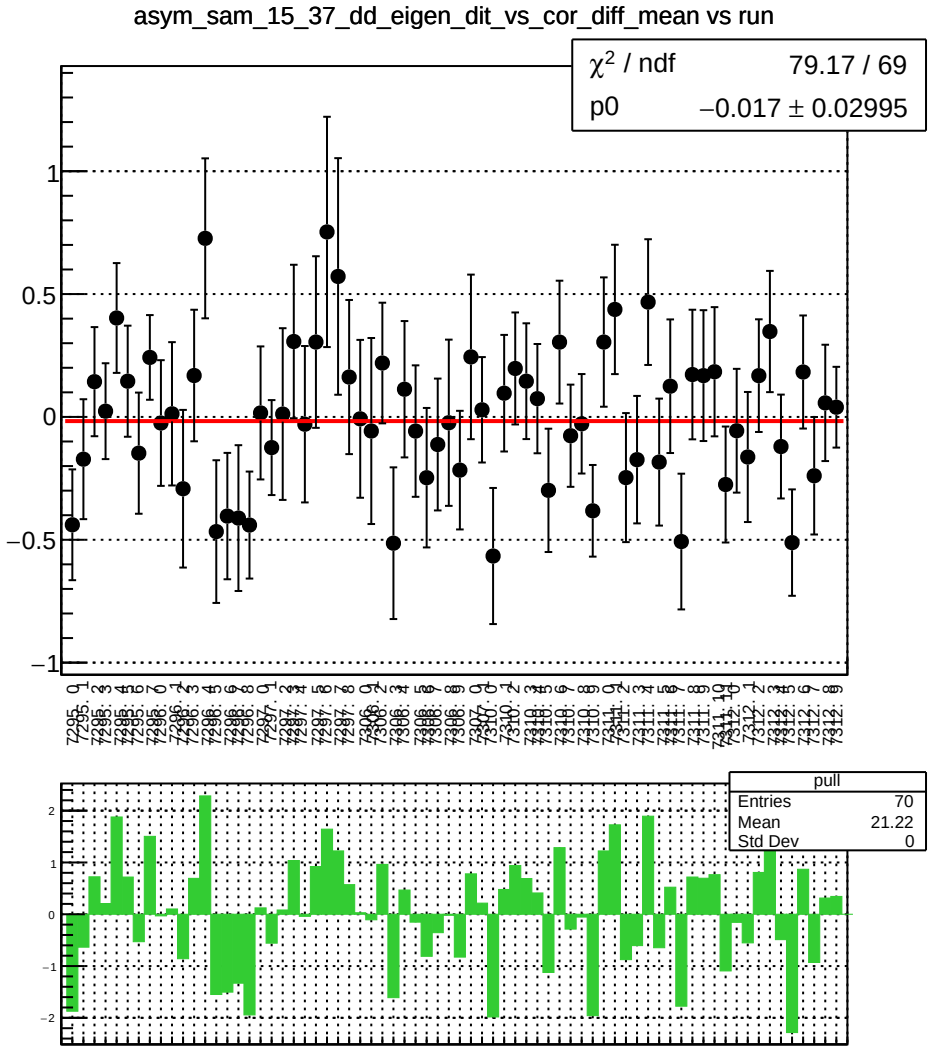

pull1D
Entries 70
Mean 0.02541
Std Dev 1.063

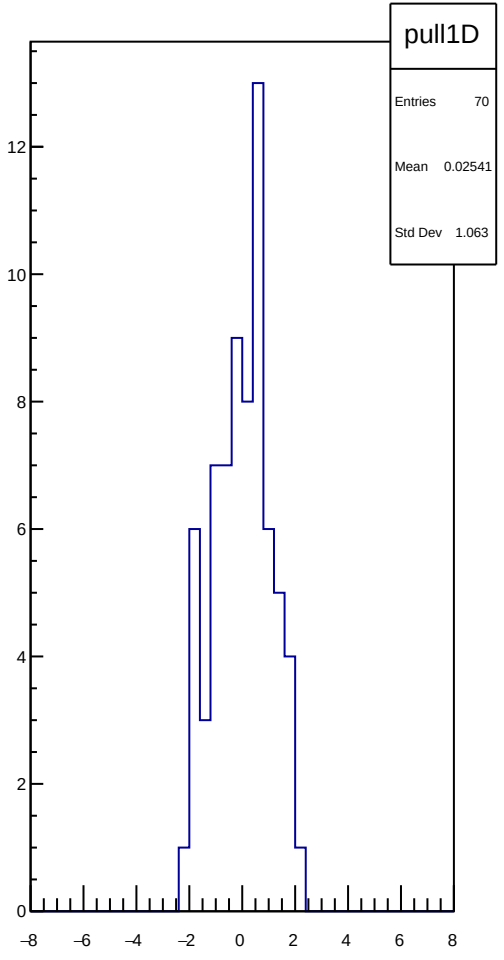

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.655e+04 / 69
p0 23.98 ± 0.02118
45
40
35
30
25
20

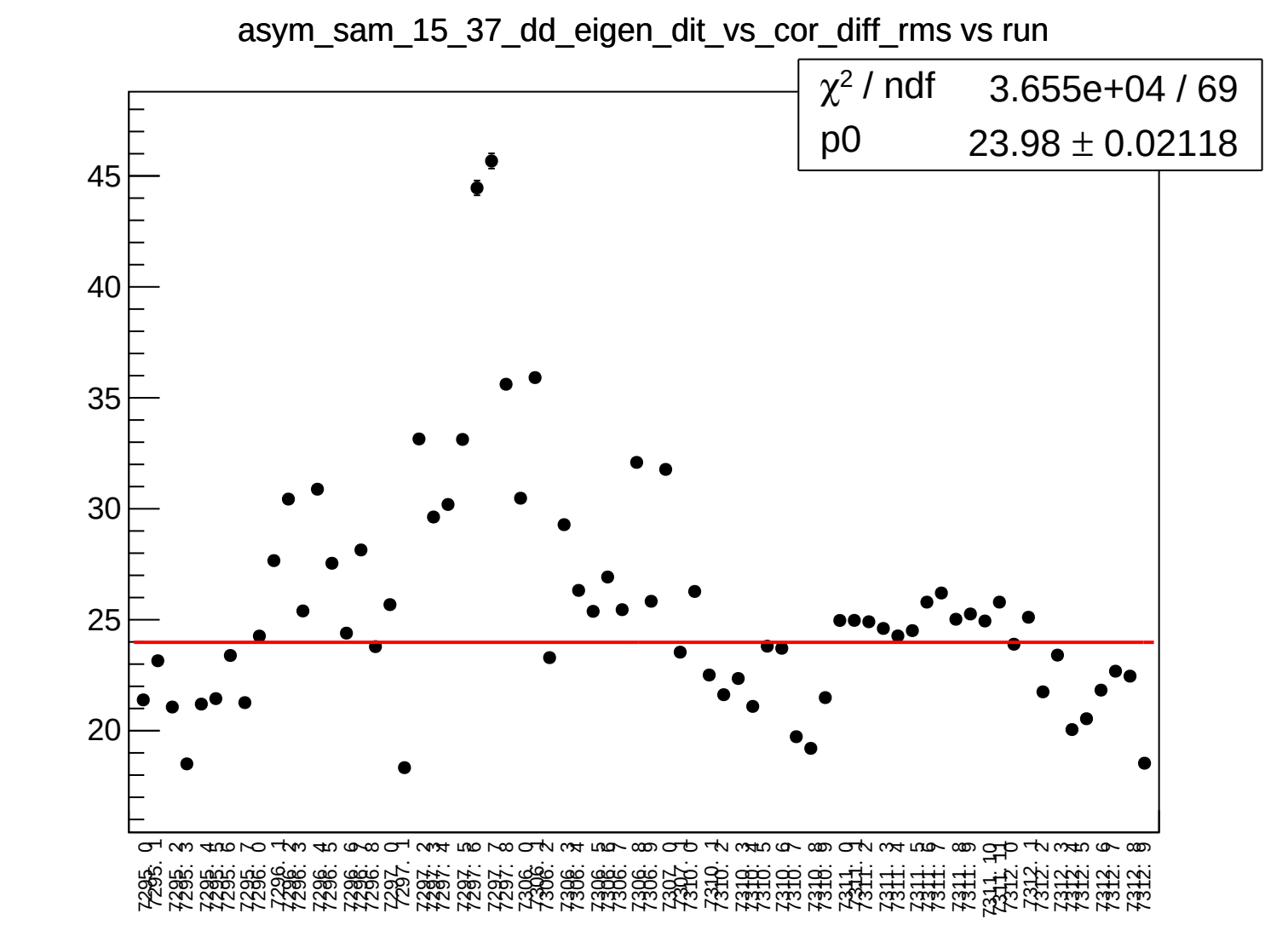

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 71.49 / 69
p0 1.329e−06 ± 2.266e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 70
Mean −19.05
Std Dev 0
2
1
0
−1
−2

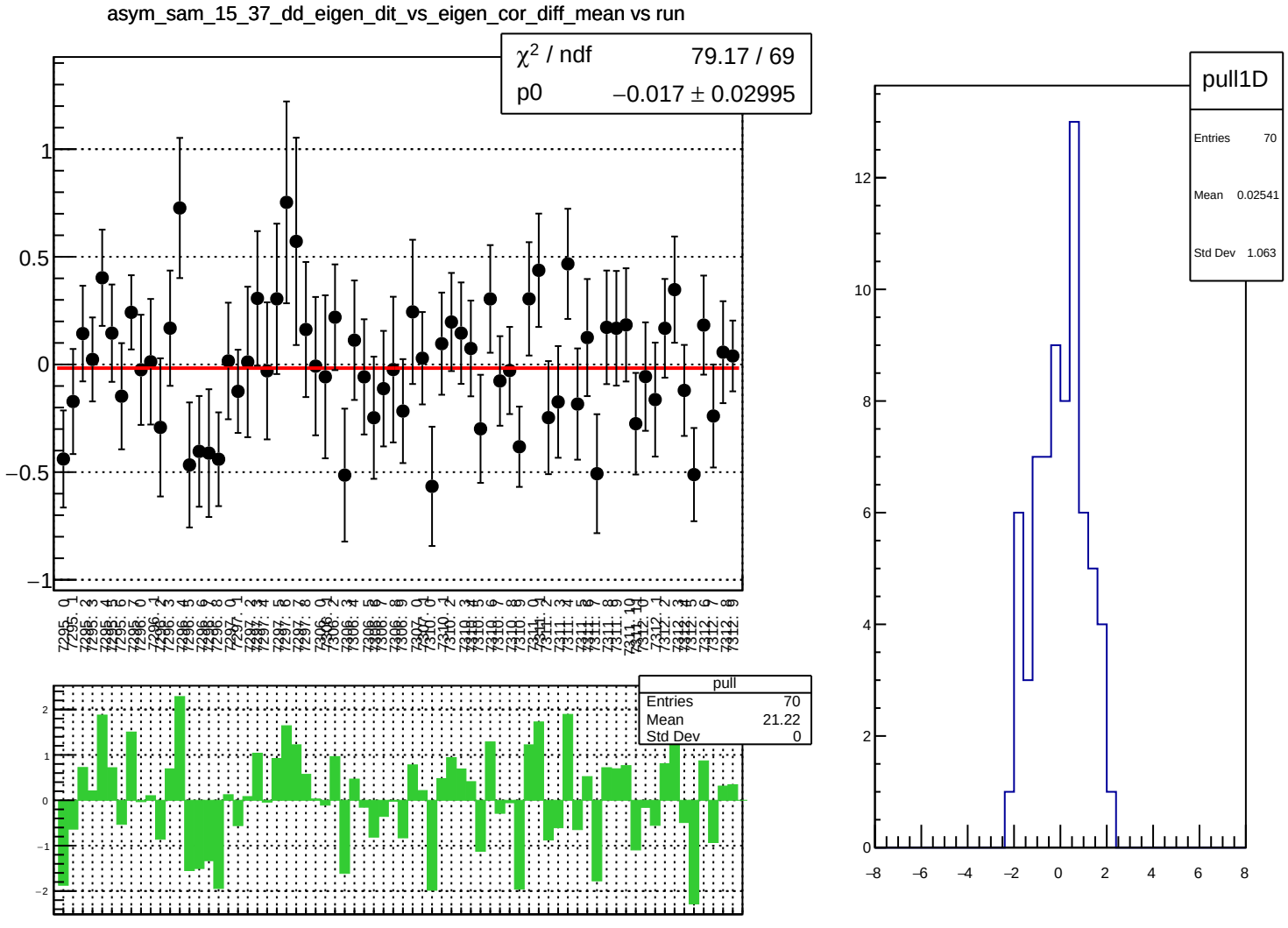

pull1D
Entries 70
Mean −0.009905
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

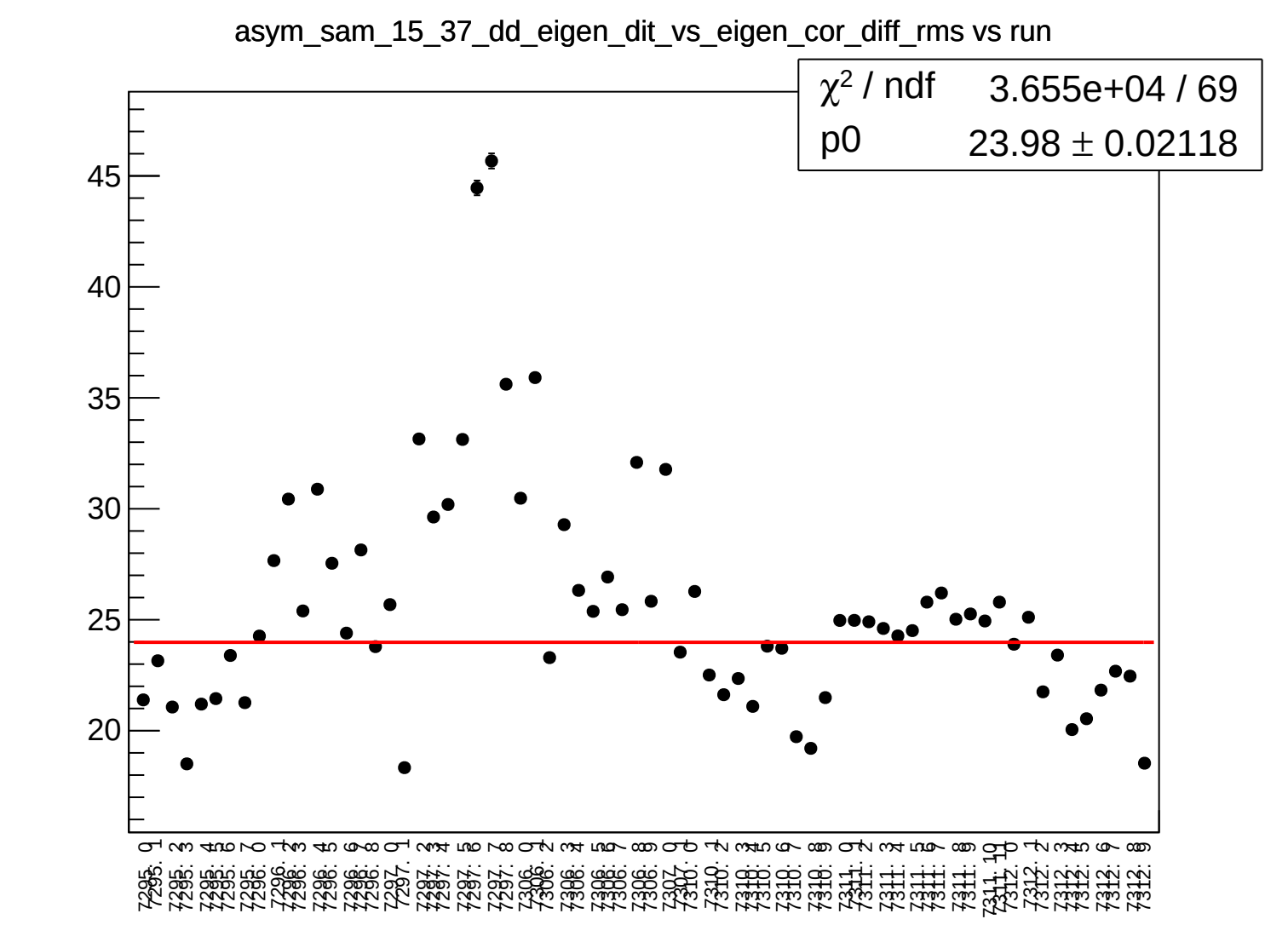

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.201e+04 / 69
p0 0.001818 ± 1.602e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015

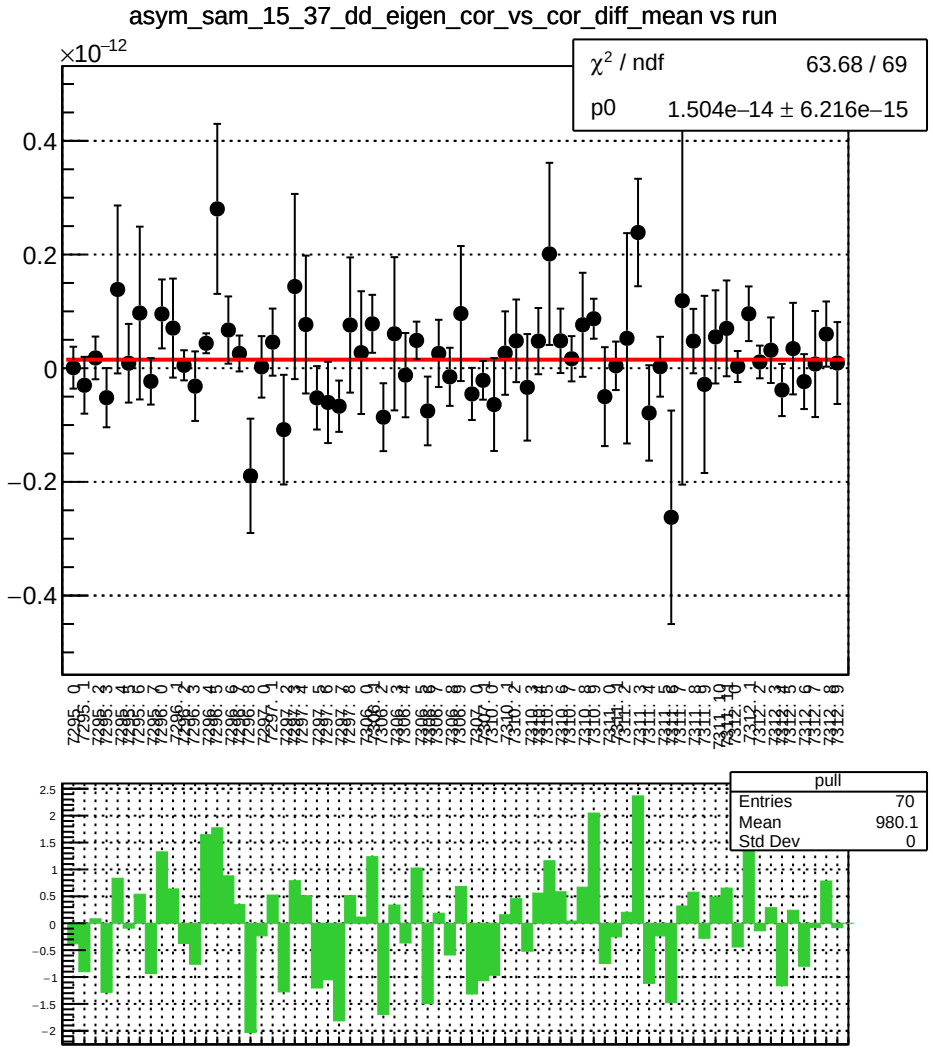

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.17 / 69
p0 −0.017 ± 0.02995
pull
Entries 70
Mean 21.22
Std Dev 0

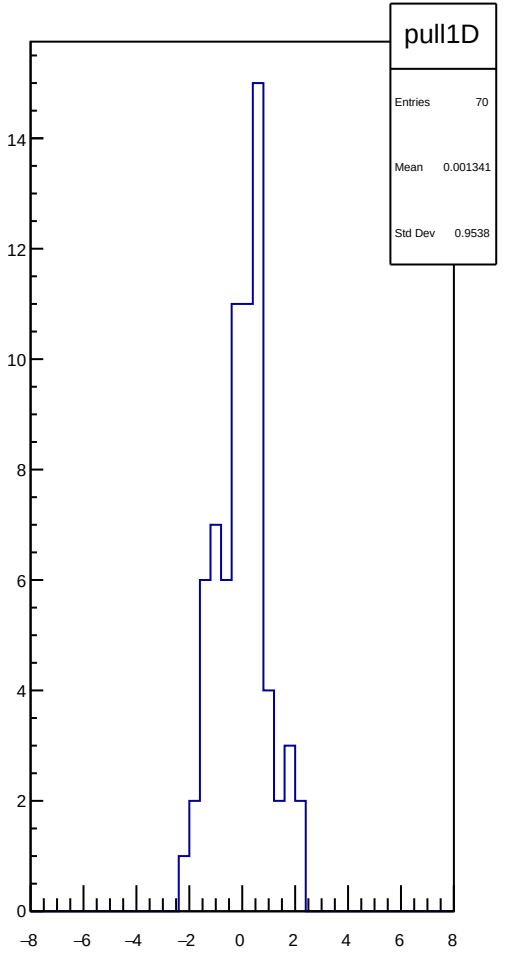

pull1D
Entries 70
Mean 0.02541
Std Dev 1.063

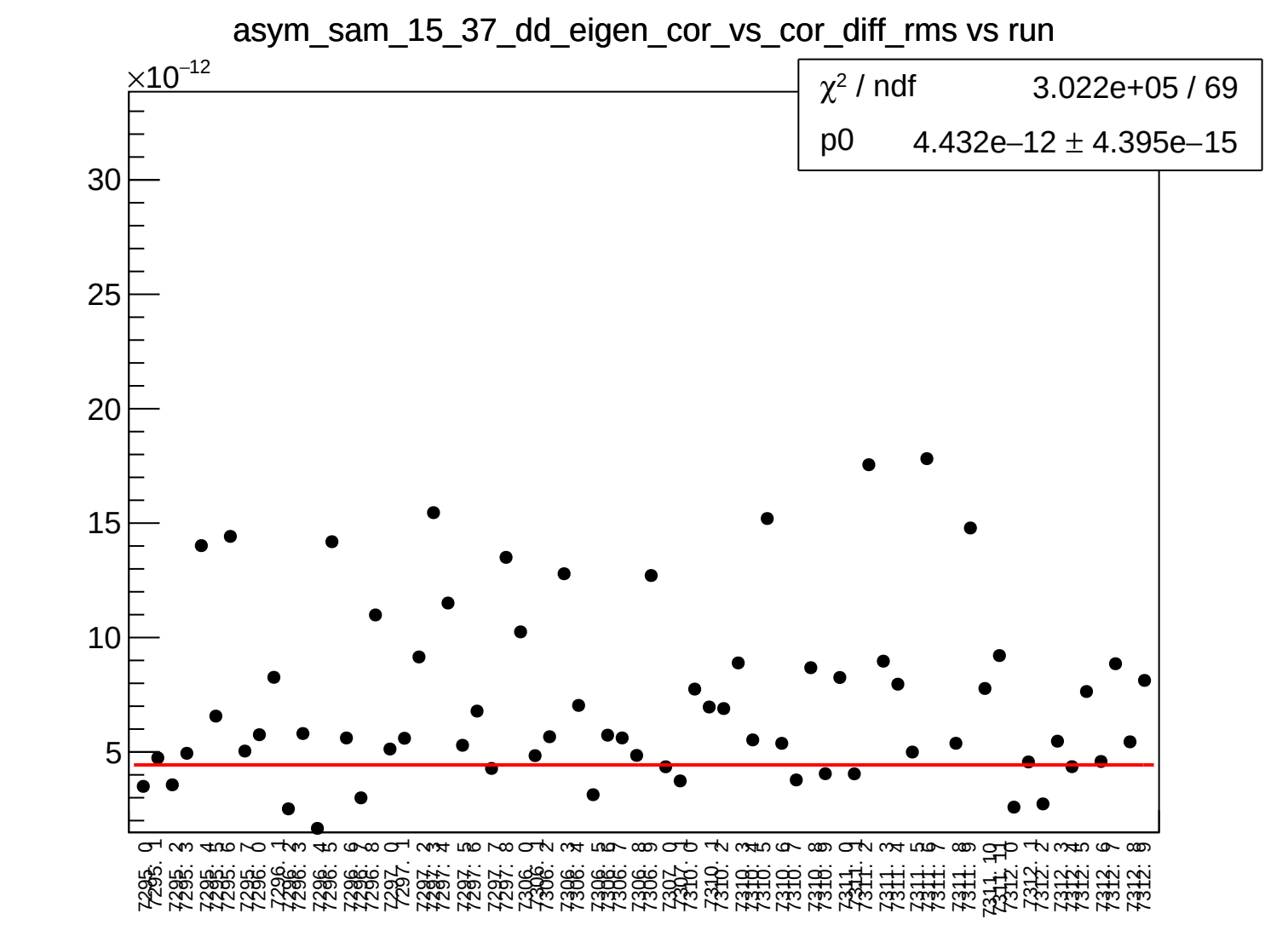

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.655e+04 / 69
p0 23.98 ± 0.02118
45
40
35
30
25
20

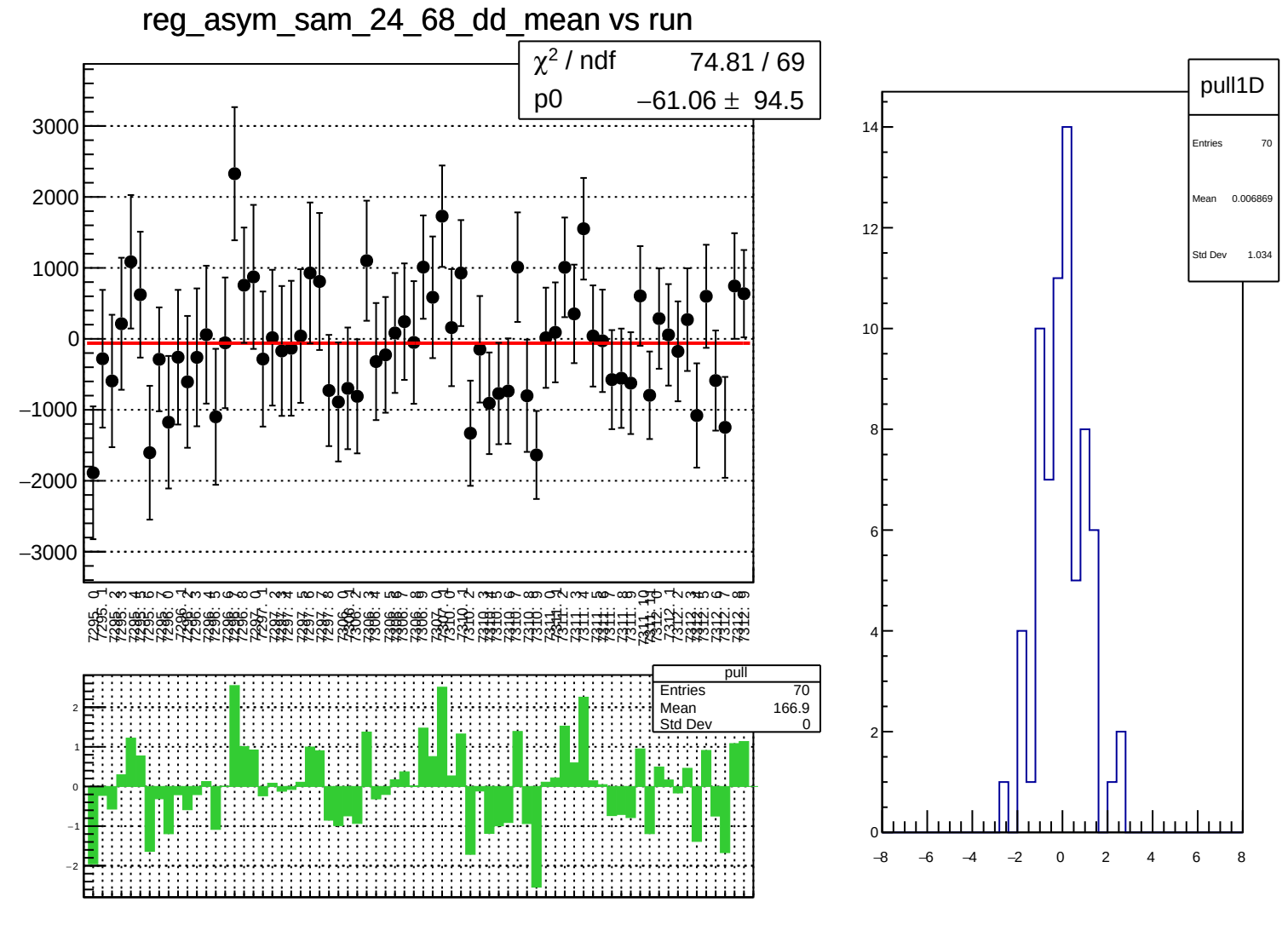

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.17 / 69
p0 −0.017 ± 0.02995
pull
Entries 70
Mean 21.22
Std Dev 0
pull1D
Entries 70
Mean 0.02541
Std Dev 1.063

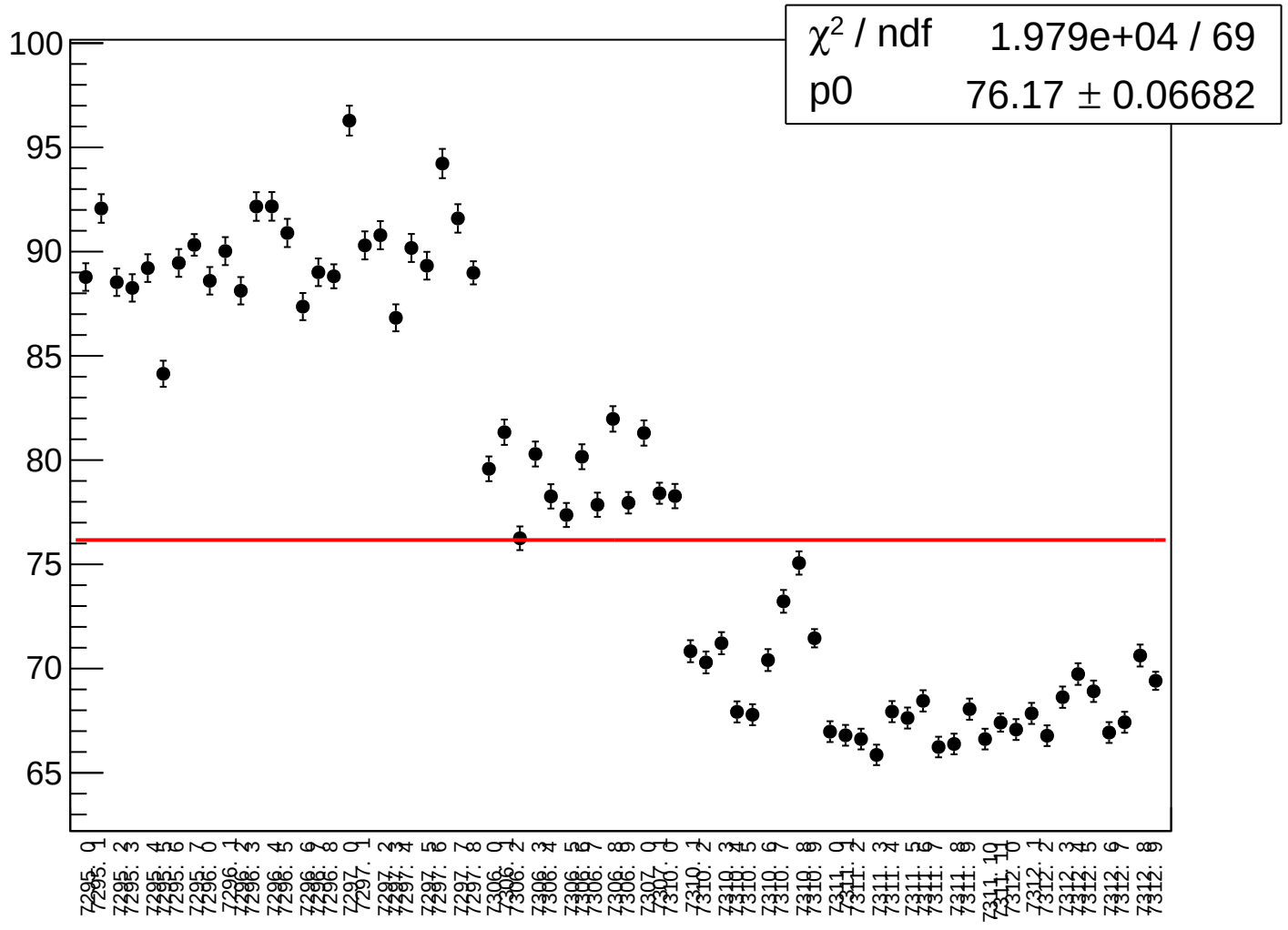

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.655e+04 / 69
p0 23.98 ± 0.02118
45
40
35
30
25
20

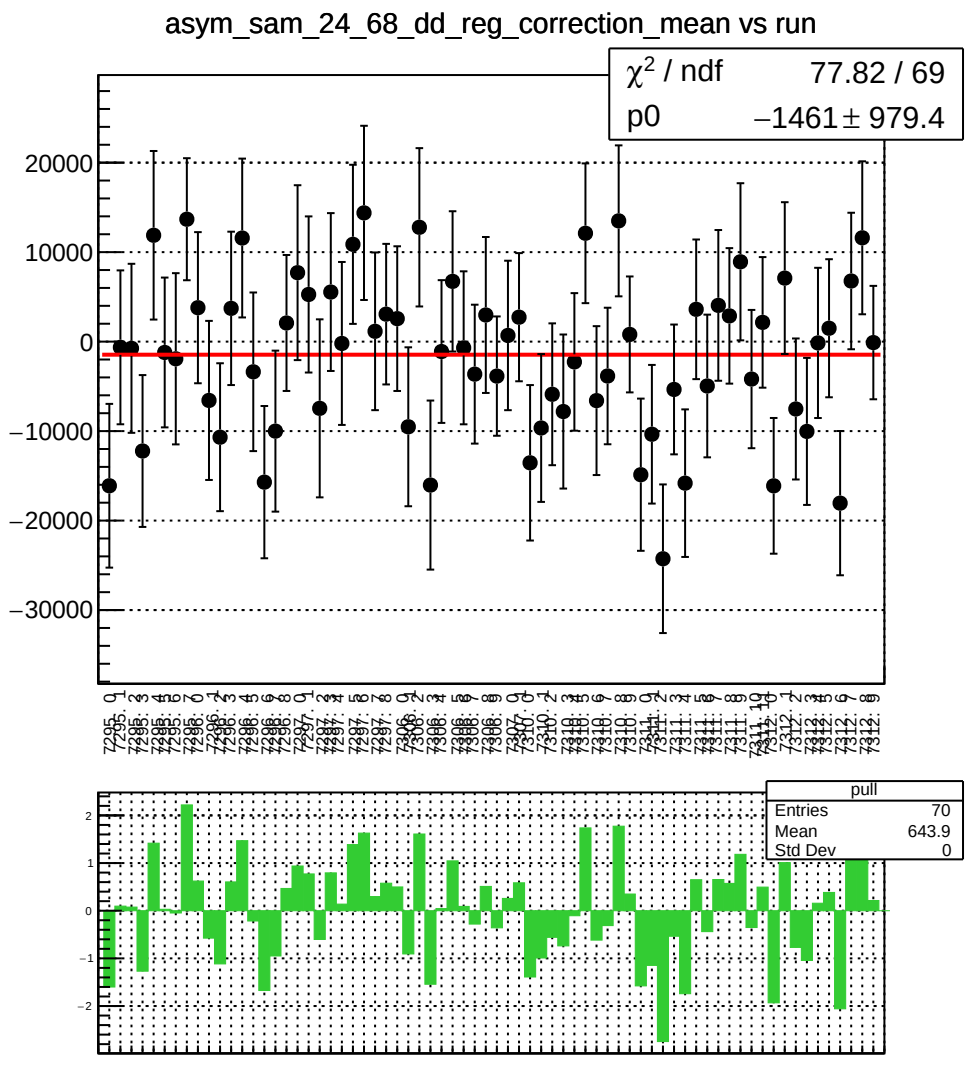

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.68 / 69
p0 1.504e−14 ± 6.216e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 70
Mean 980.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

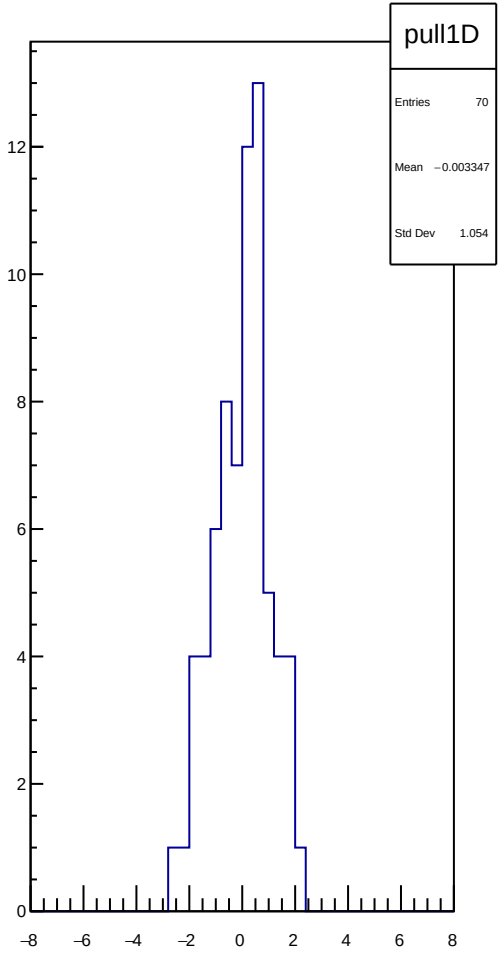

pull1D
Entries 70
Mean 0.001341
Std Dev 0.9538
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

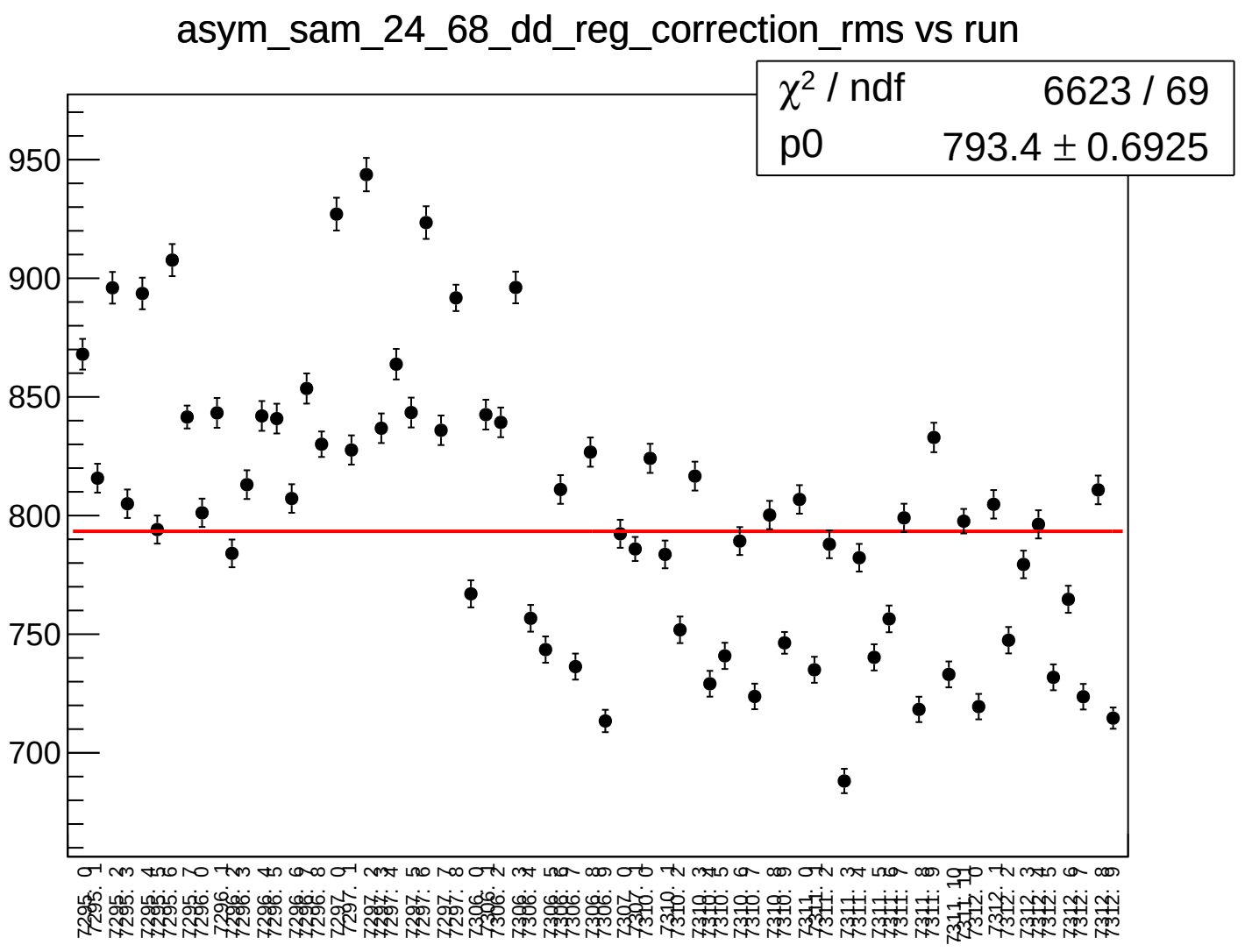

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.022e+05 / 69
p0 4.432e−12 ± 4.395e−15
30
25
20
15
10
5

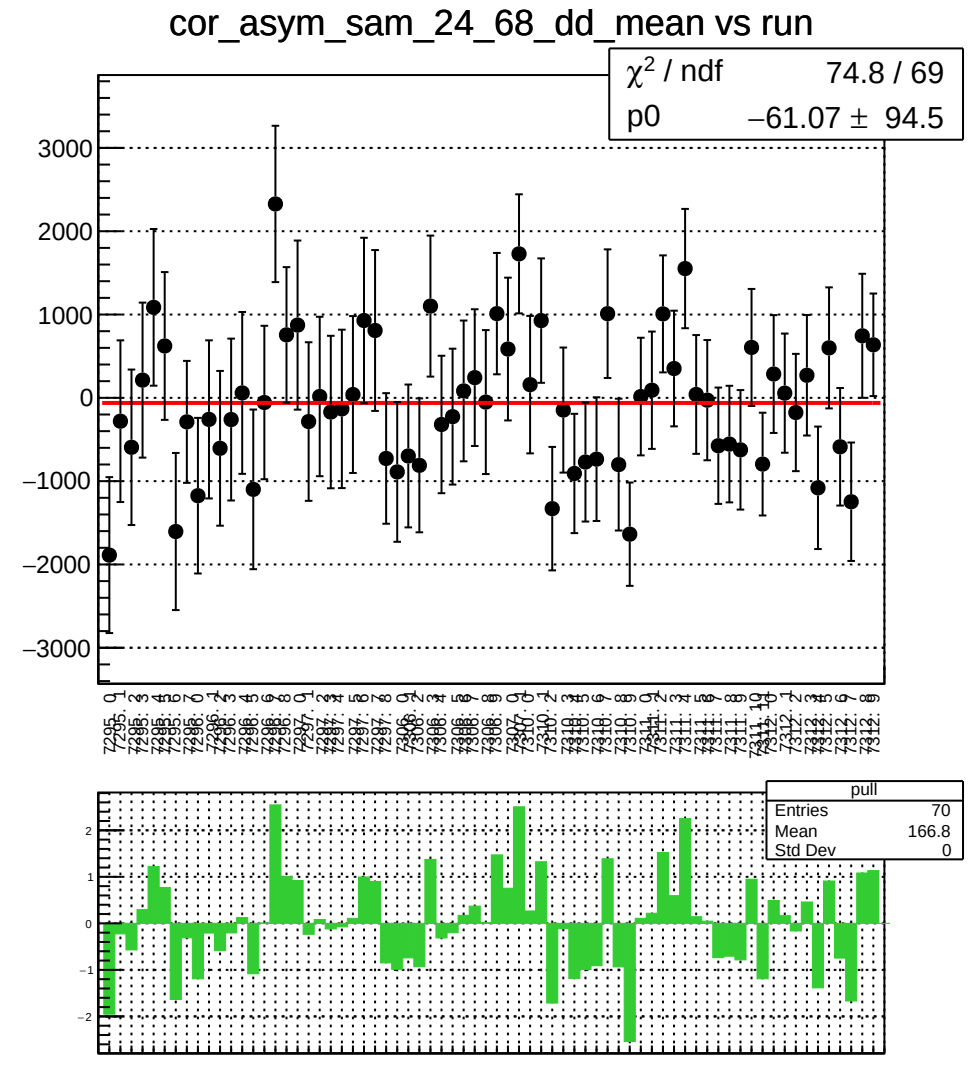

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.81 / 69
p0 −61.06 ± 94.5
pull
Entries 70
Mean 166.9
Std Dev 0
pull1D
Entries 70
Mean 0.006869
Std Dev 1.034

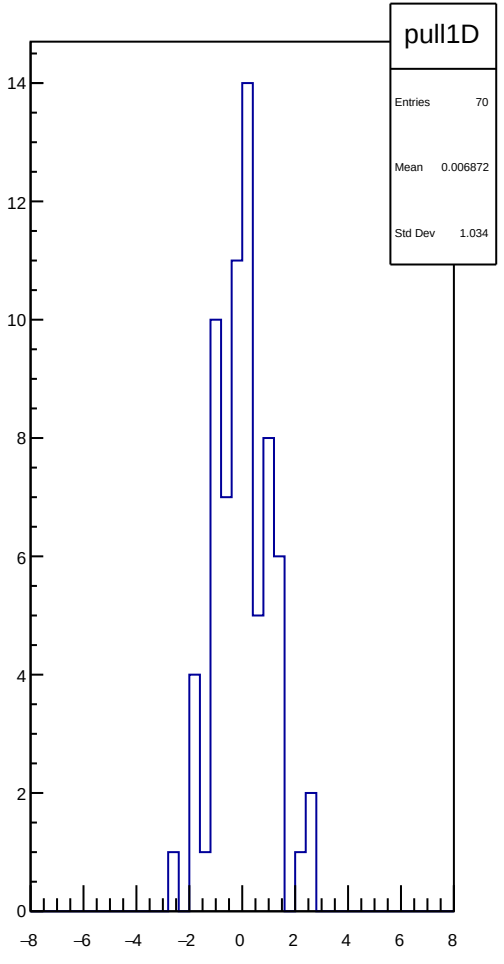

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.979e+04 / 69
p0 76.17 ± 0.06682
100
95
90
85
80
75
70
65

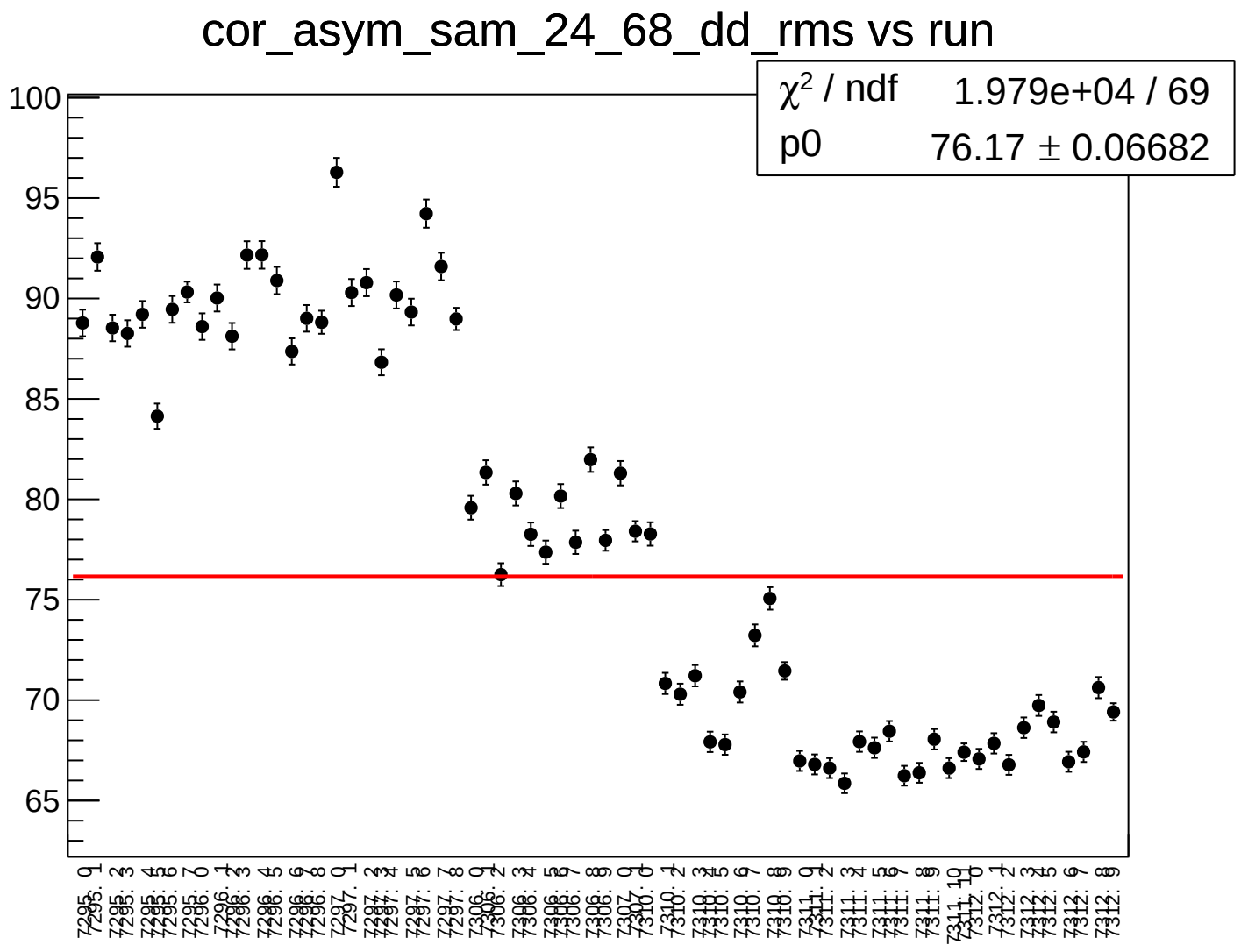

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 77.82 / 69
p0 −1461 ± 979.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 643.9
Std Dev 0
2
1
0
−1
−2

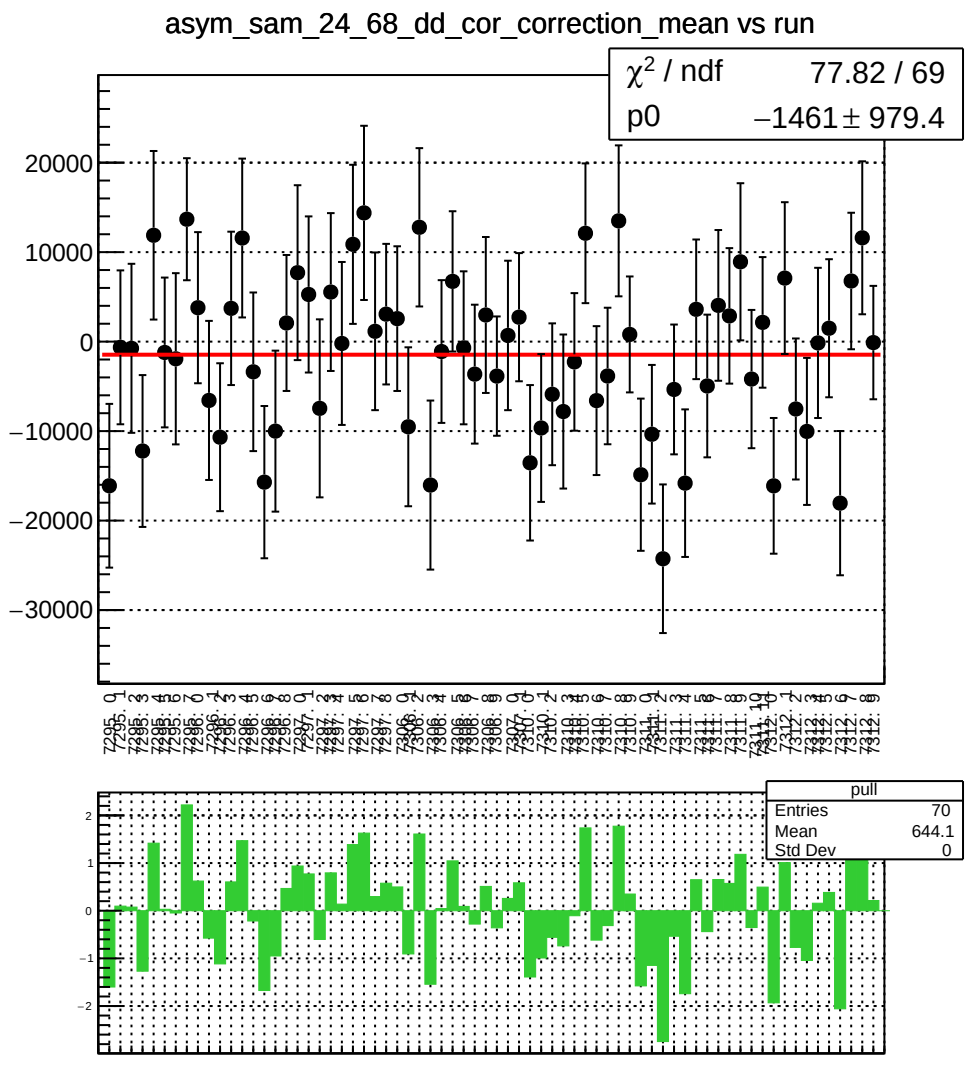

pull1D
Entries 70
Mean −0.003347
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

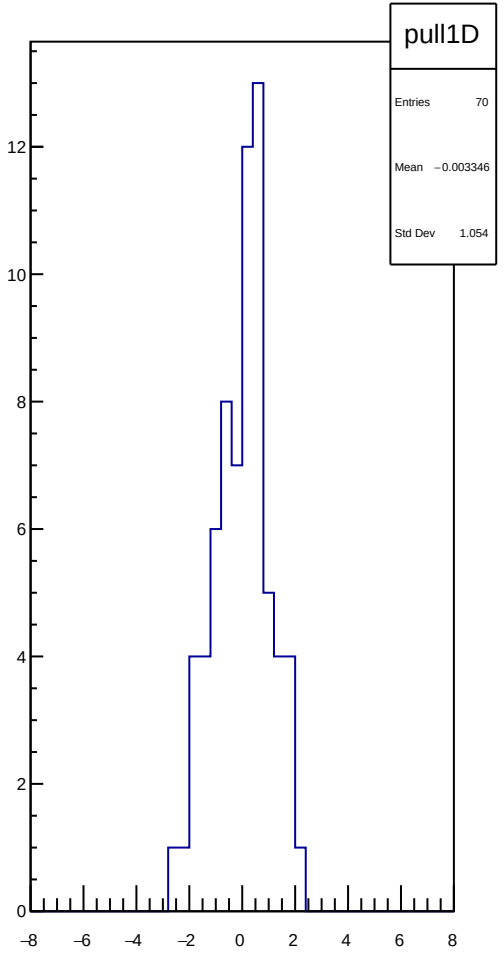

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 6623 / 69
p0 793.4 ± 0.6925
950
900
850
800
750
700

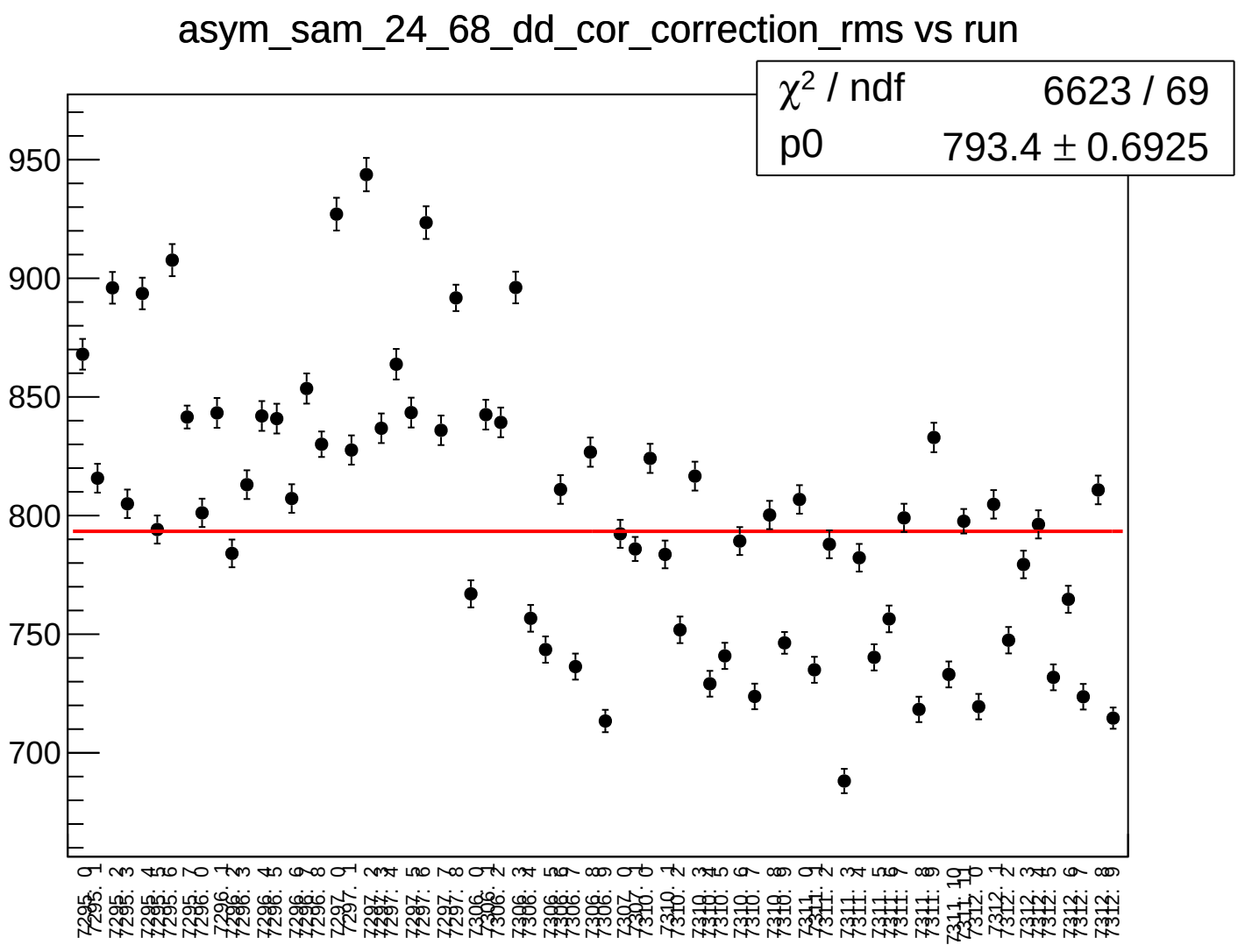

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.8 / 69
p0 −61.07 ± 94.5
pull
Entries 70
Mean 166.8
Std Dev 0

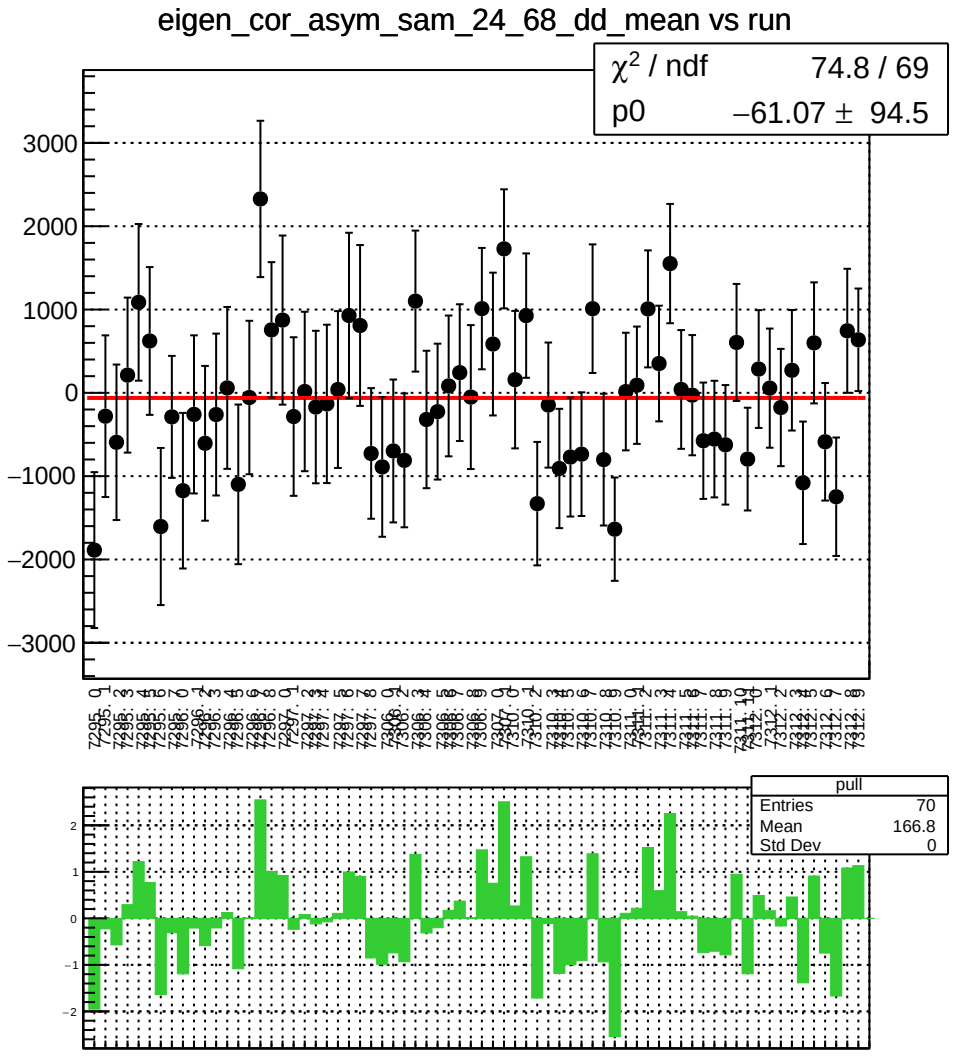

pull1D
Entries 70
Mean 0.006872
Std Dev 1.034

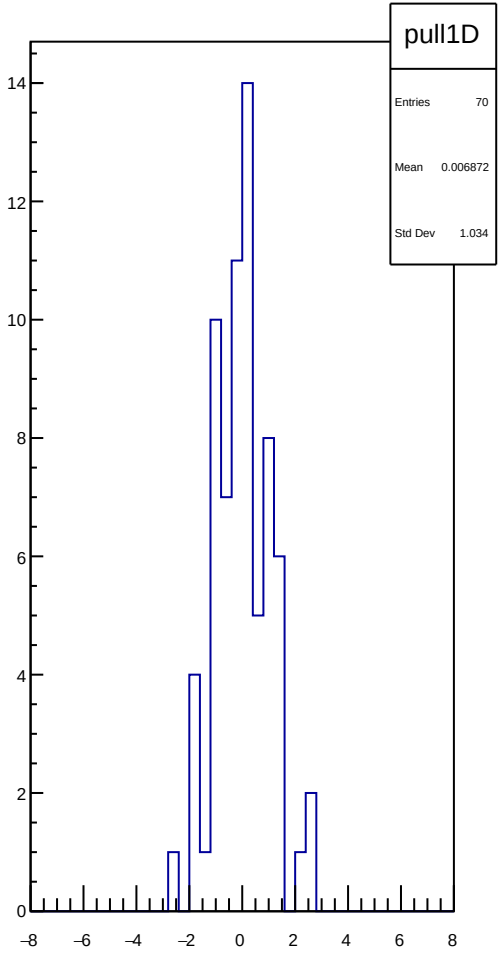

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.979e+04 / 69
p0 76.17 ± 0.06682
100
95
90
85
80
75
70
65

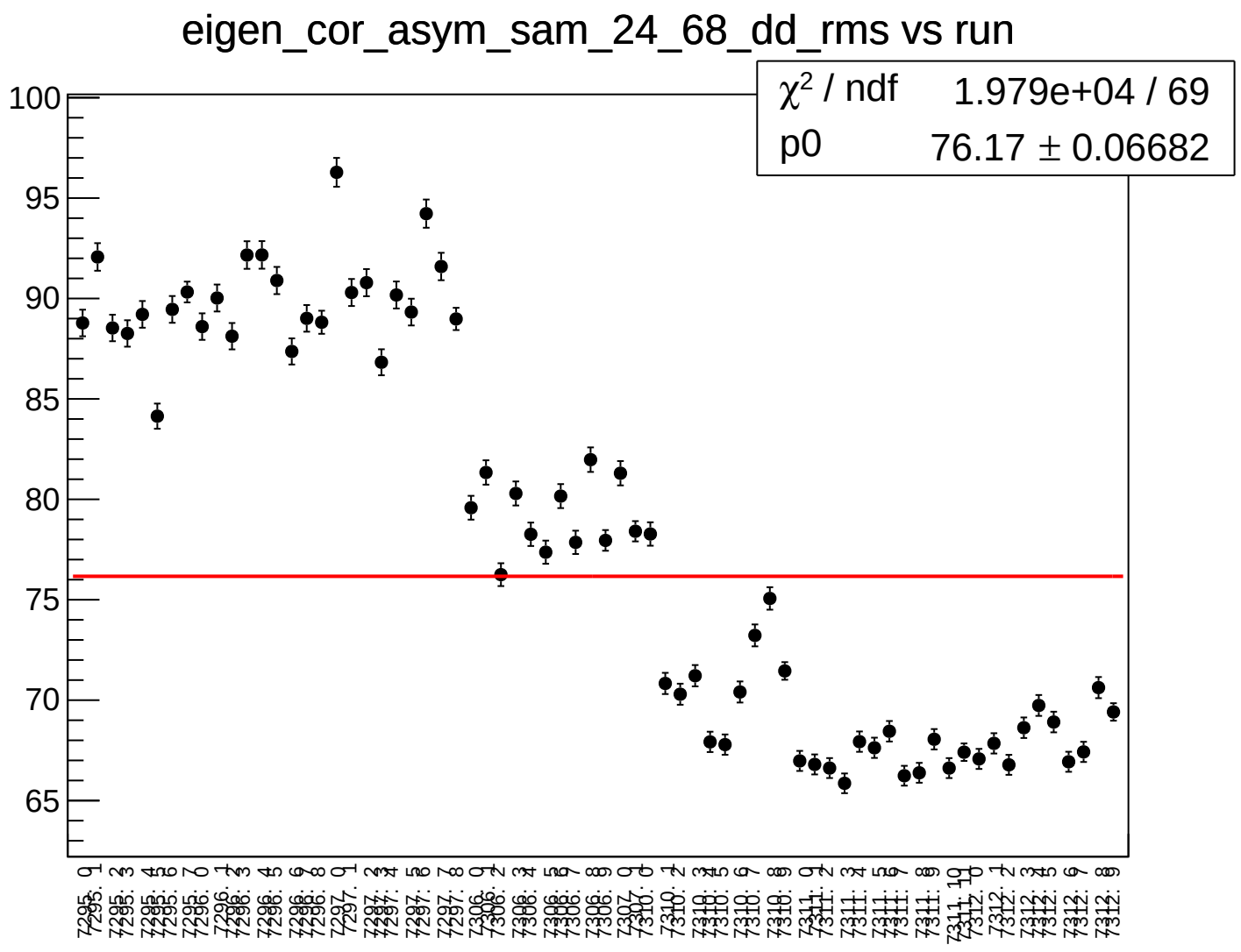

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 77.82 / 69
p0 −1461 ± 979.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 644.1
Std Dev 0
2
1
0
−1
−2

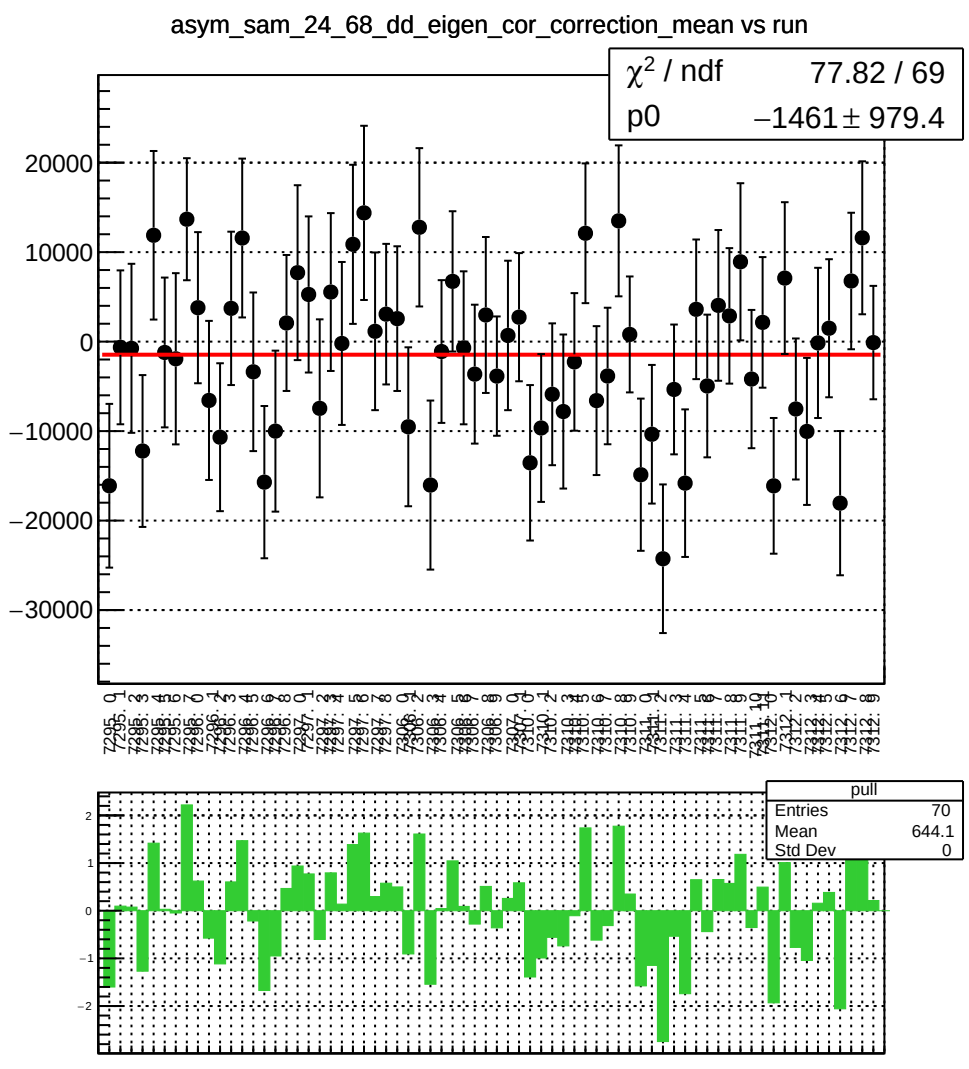

pull1D
Entries 70
Mean −0.003346
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

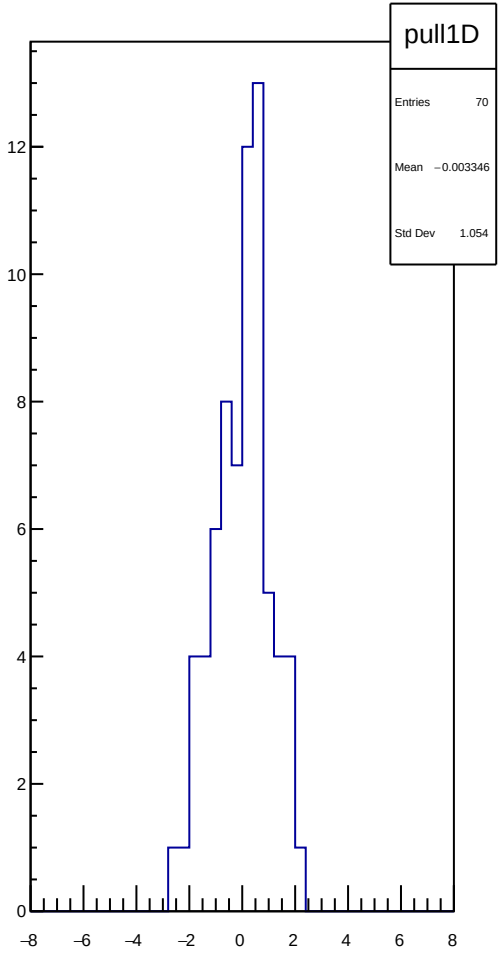

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 6623 / 69
p0 793.4 ± 0.6925
950
900
850
800
750
700

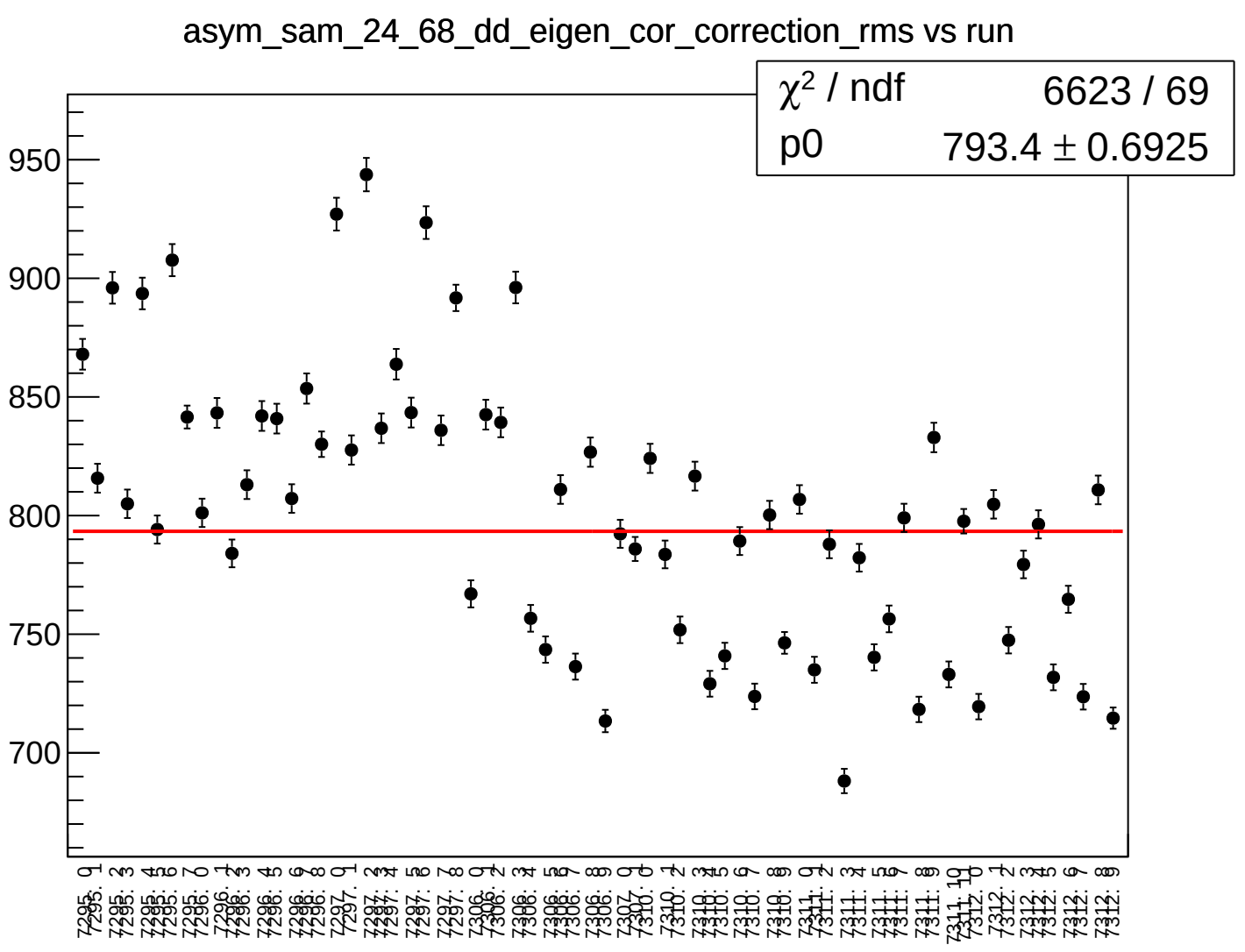

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.8 / 69
p0 −61.07 ± 94.5
pull
Entries 70
Mean 166.8
Std Dev 0

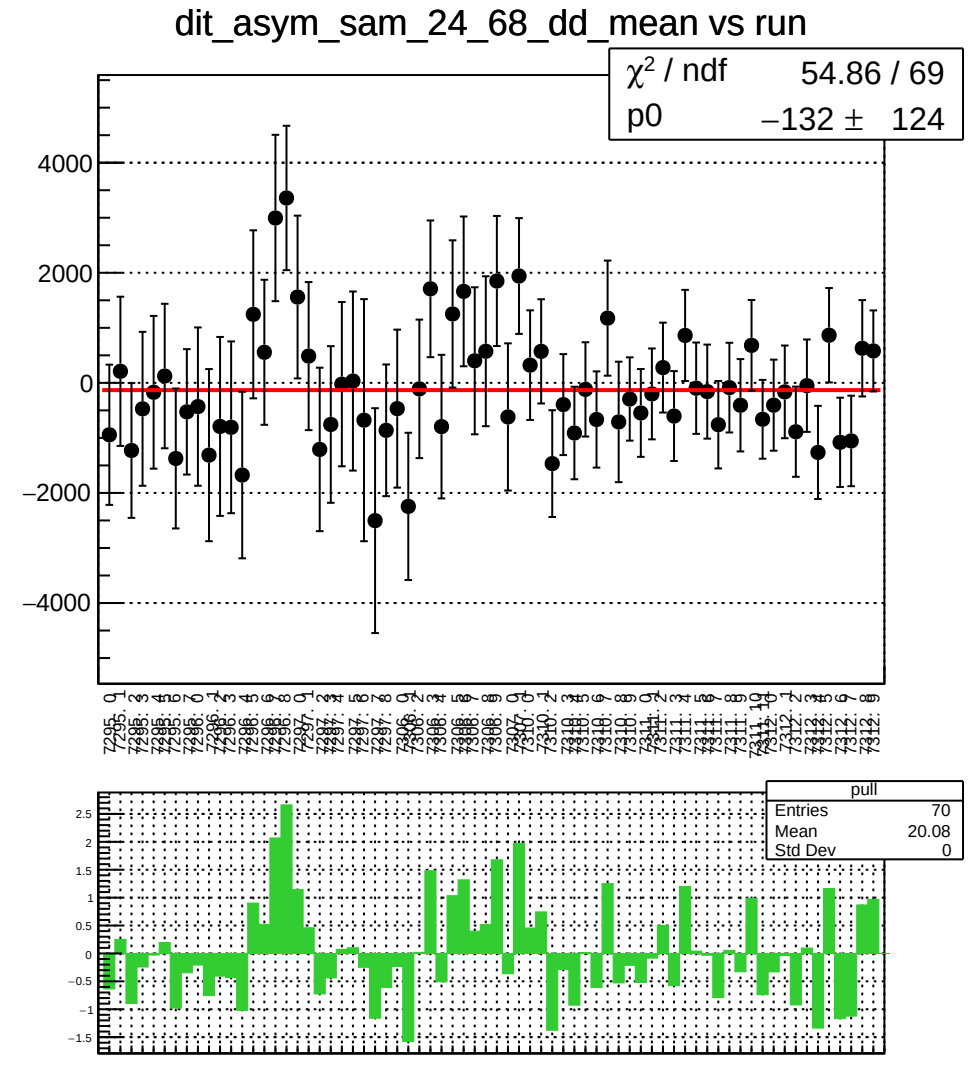

pull1D
Entries 70
Mean 0.006872
Std Dev 1.034

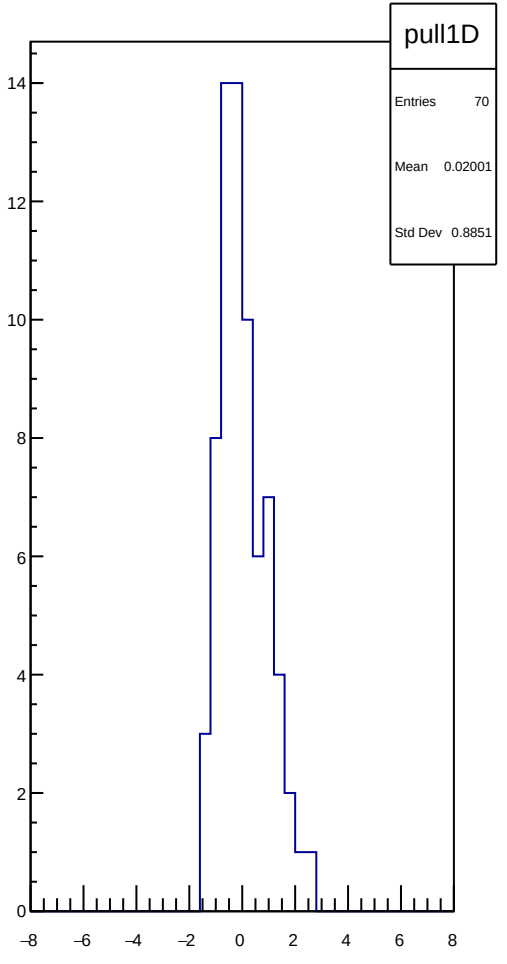

eigen_cor_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.979e+04 / 69
p0 76.17 ± 0.06682
100
95
90
85
80
75
70
65

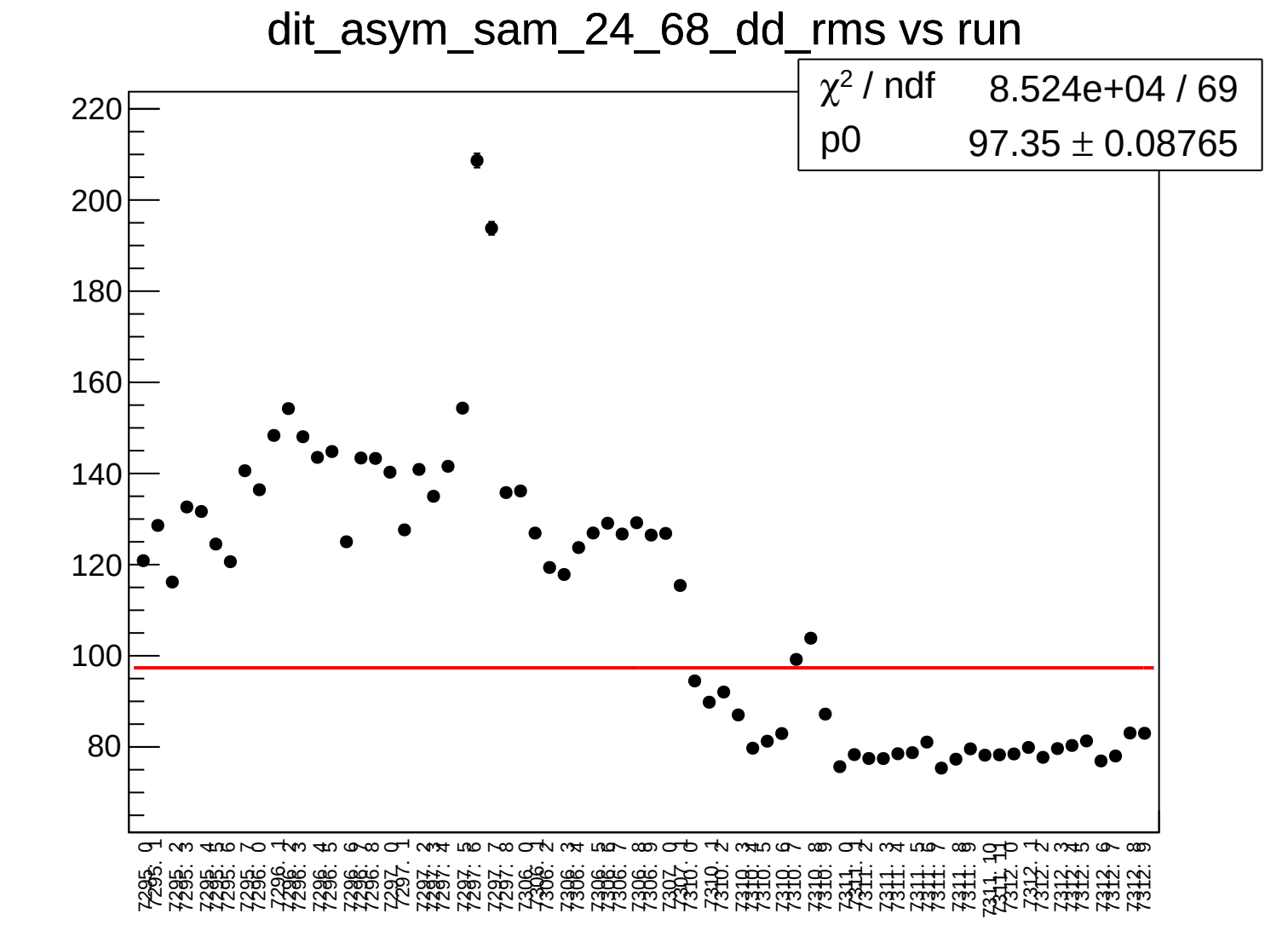

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.82 / 69
p0 −1461 ± 979.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 644.1
Std Dev 0
2
1
0
−1
−2

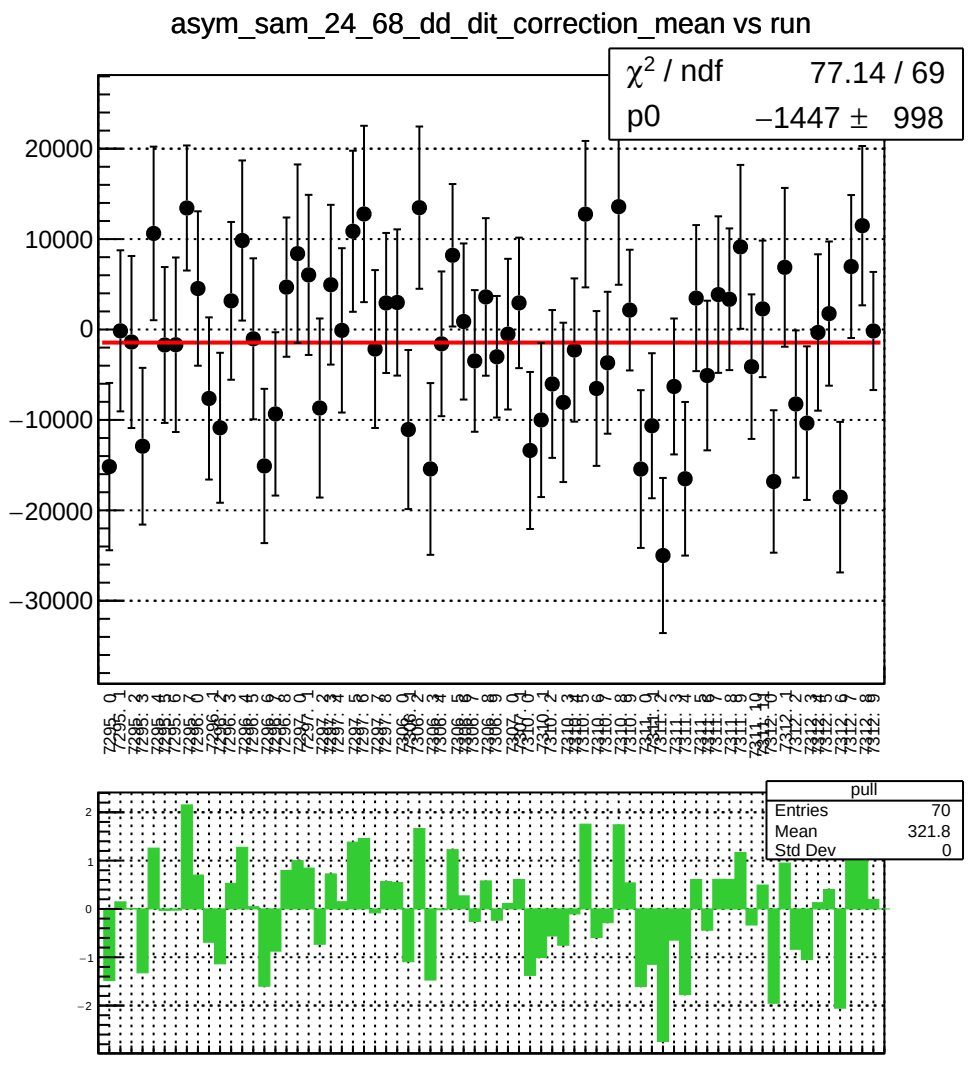

pull1D
Entries 70
Mean −0.003346
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

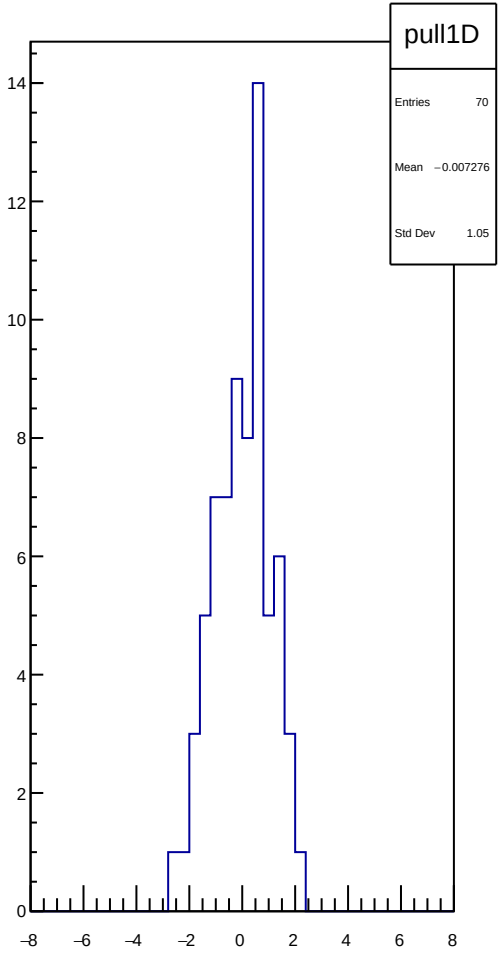

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 6623 / 69
p0 793.4 ± 0.6925
950
900
850
800
750
700

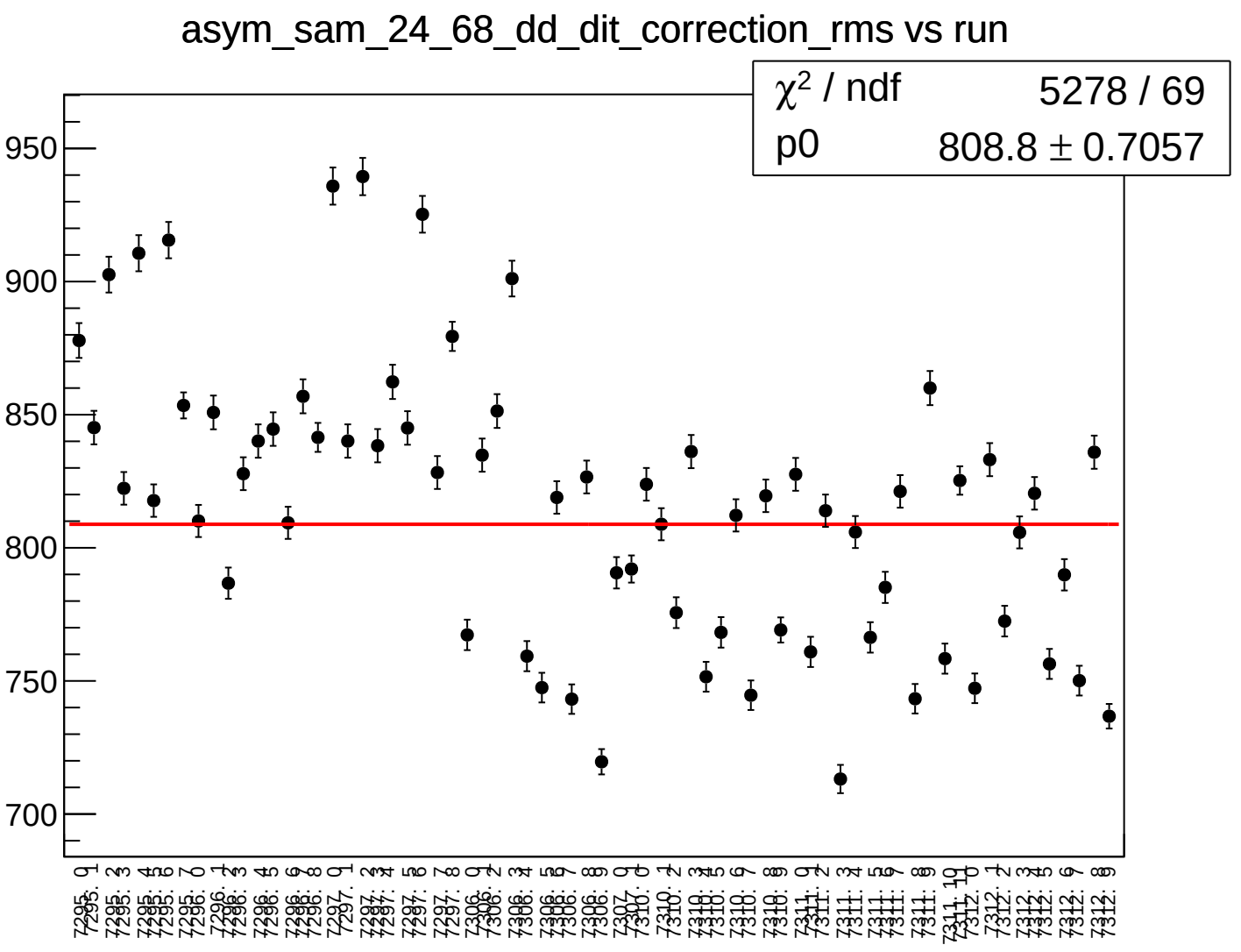

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 54.86 / 69
p0 −132 ± 124
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 20.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

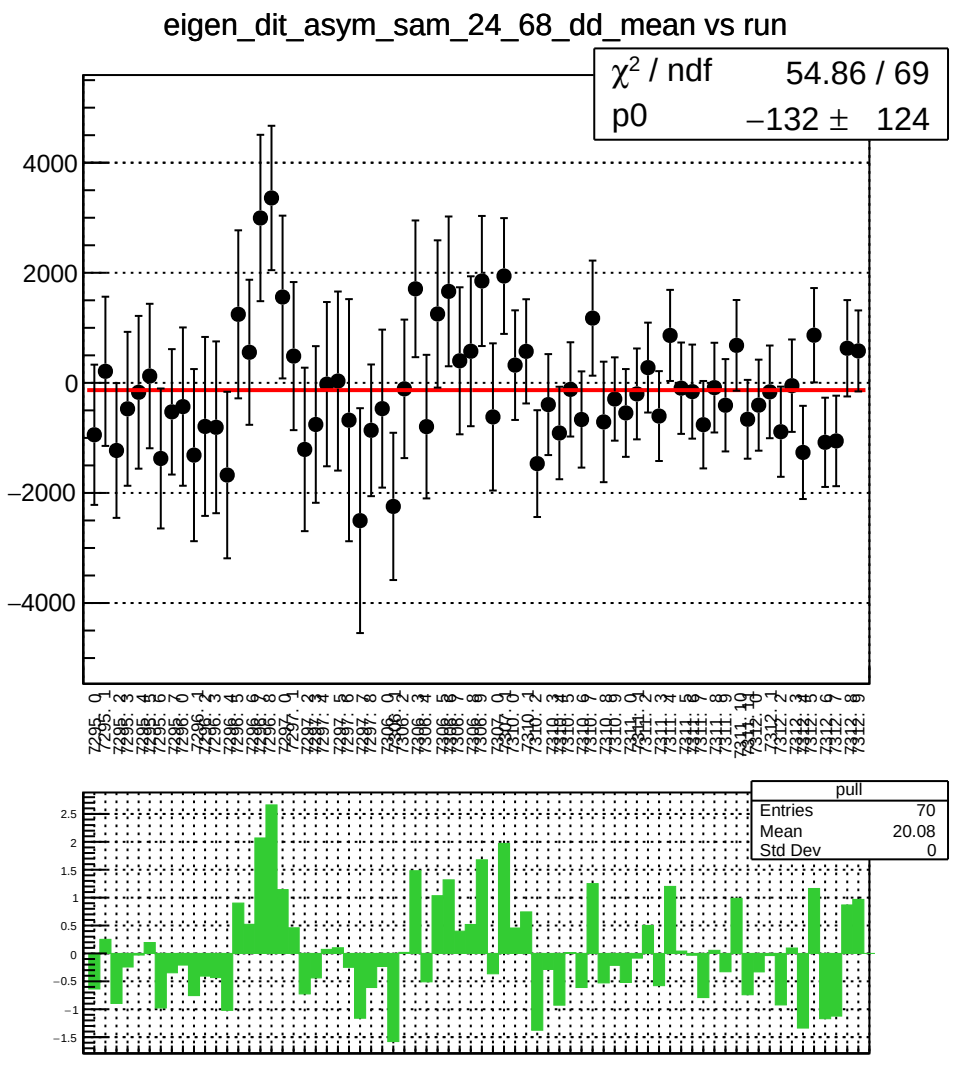

pull1D
Entries 70
Mean 0.02001
Std Dev 0.8851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

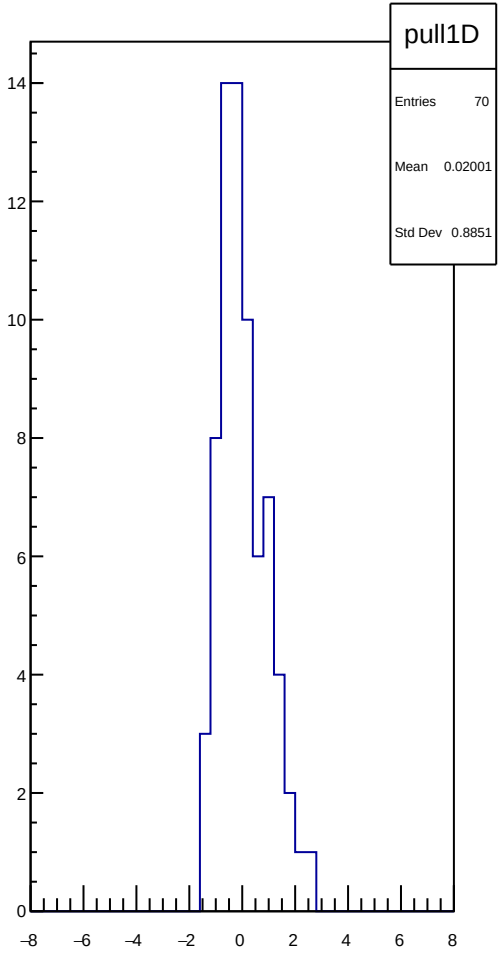

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 8.524e+04 / 69
p0 97.35 ± 0.08765
220
200
180
160
140
120
100
80

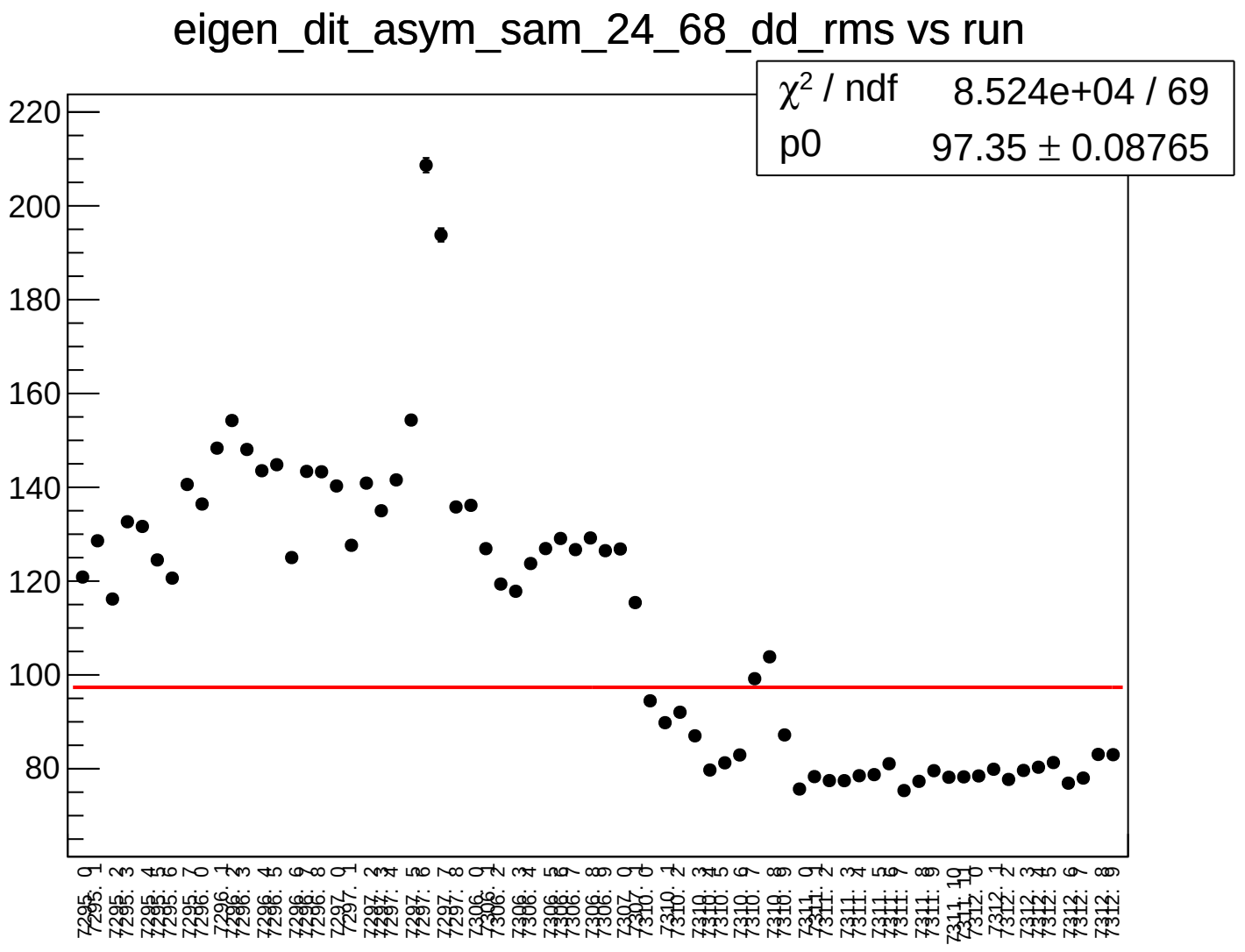

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 77.14 / 69
p0 −1447 ± 998
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 321.8
Std Dev 0
2
1
0
−1
−2

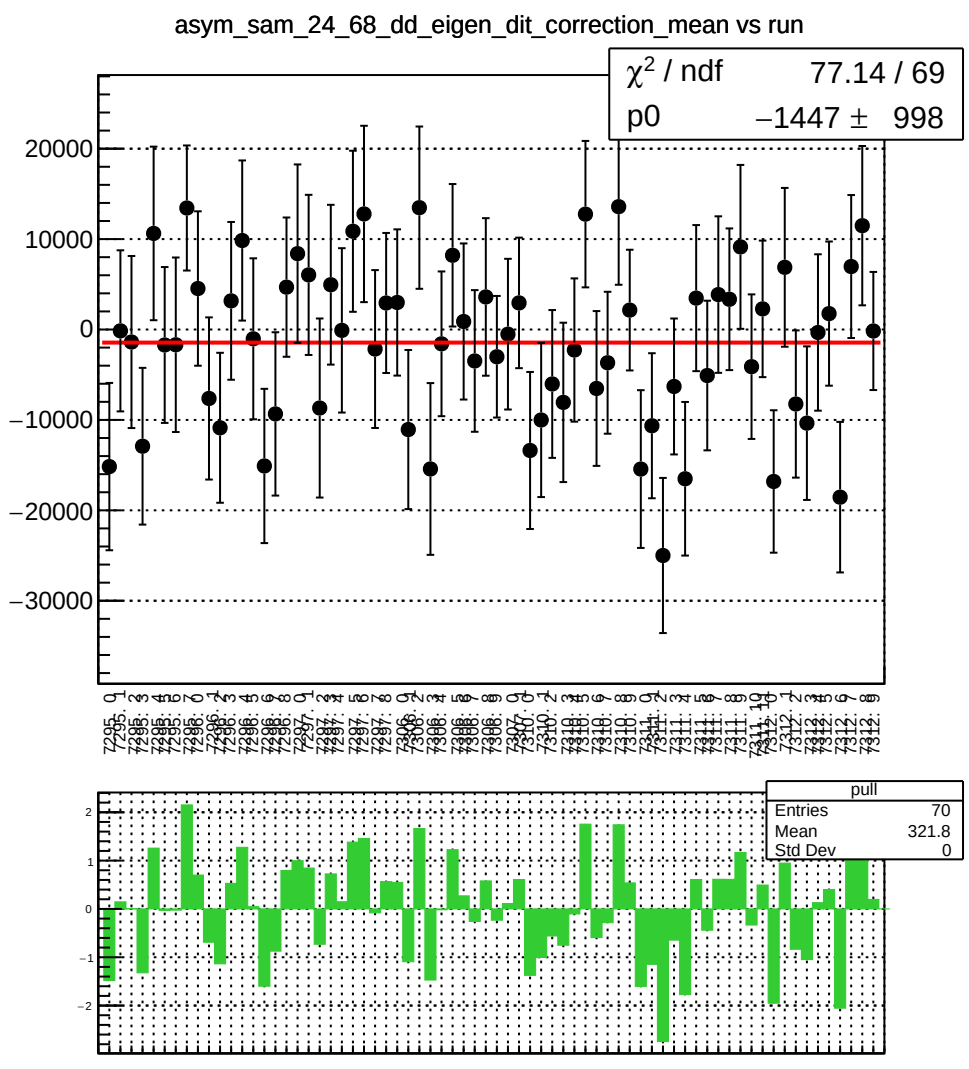

pull1D
Entries 70
Mean −0.007276
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

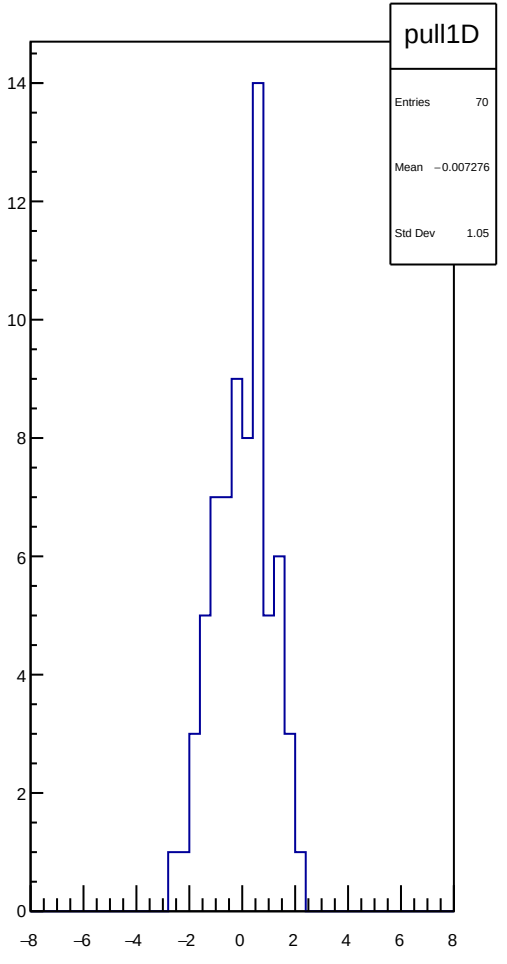

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 5278 / 69
p0 808.8 ± 0.7057
950
900
850
800
750
700

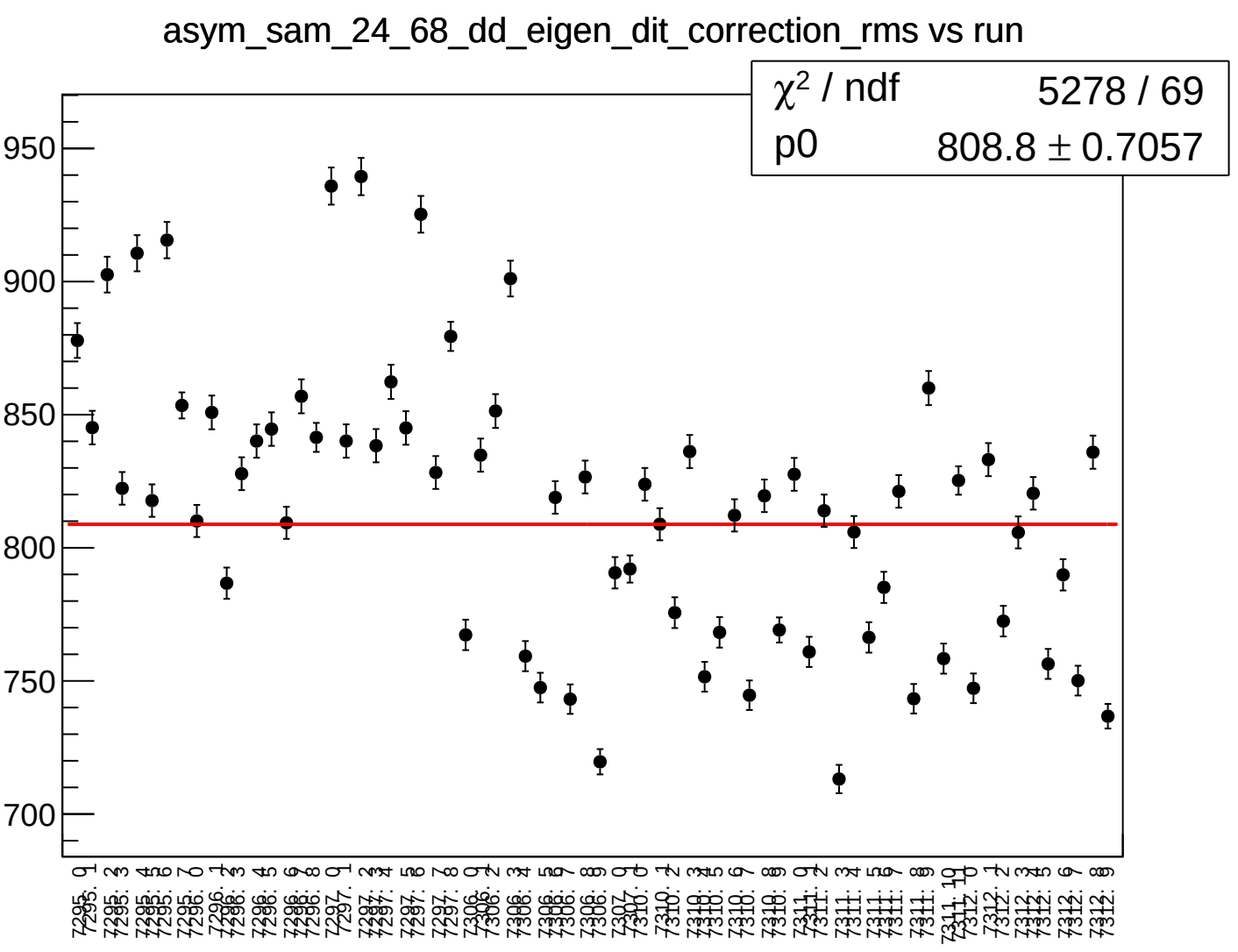

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 54.86 / 69
p0 −132 ± 124
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 20.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

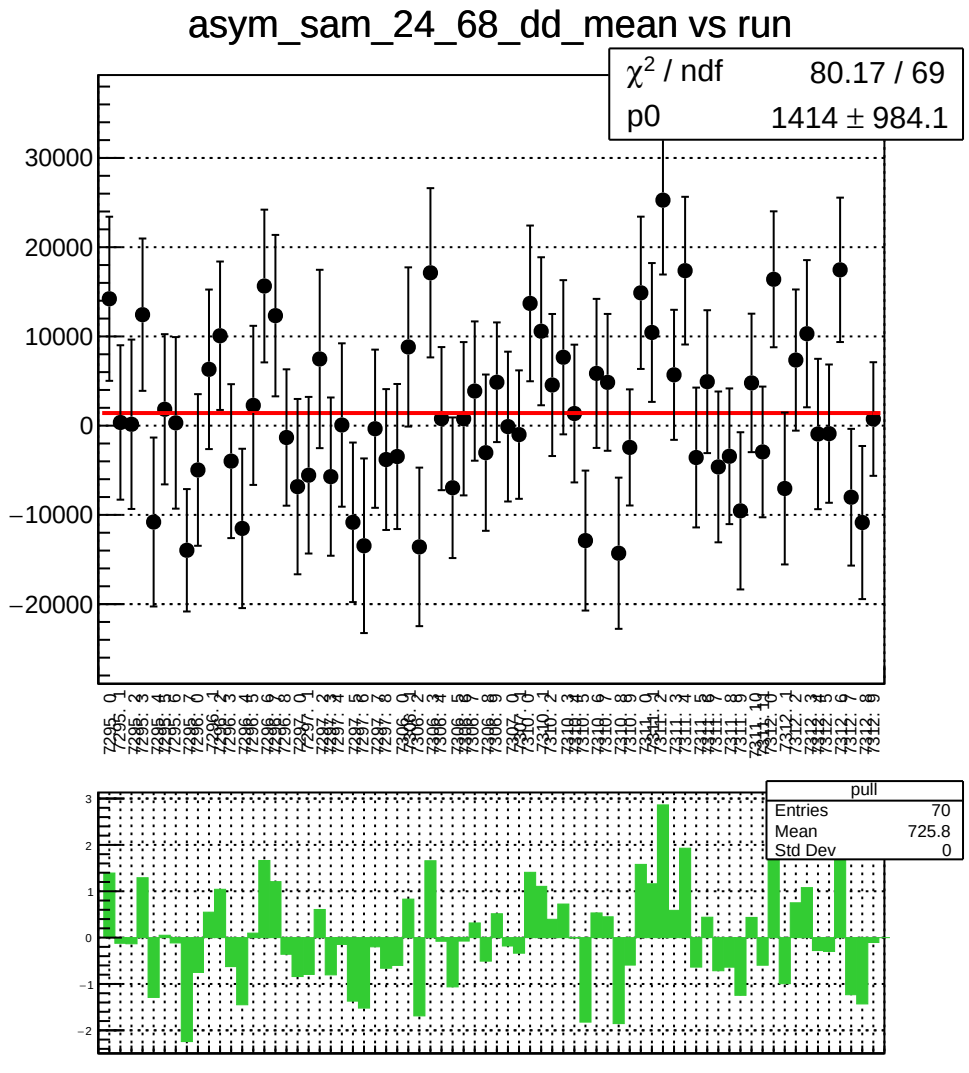

pull1D
Entries 70
Mean 0.02001
Std Dev 0.8851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

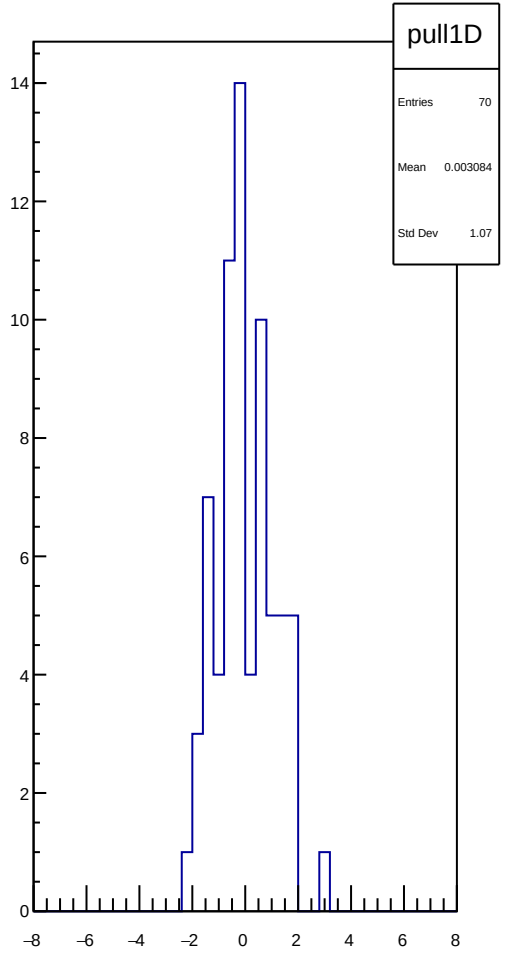

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 8.524e+04 / 69
p0 97.35 ± 0.08765
220
200
180
160
140
120
100
80

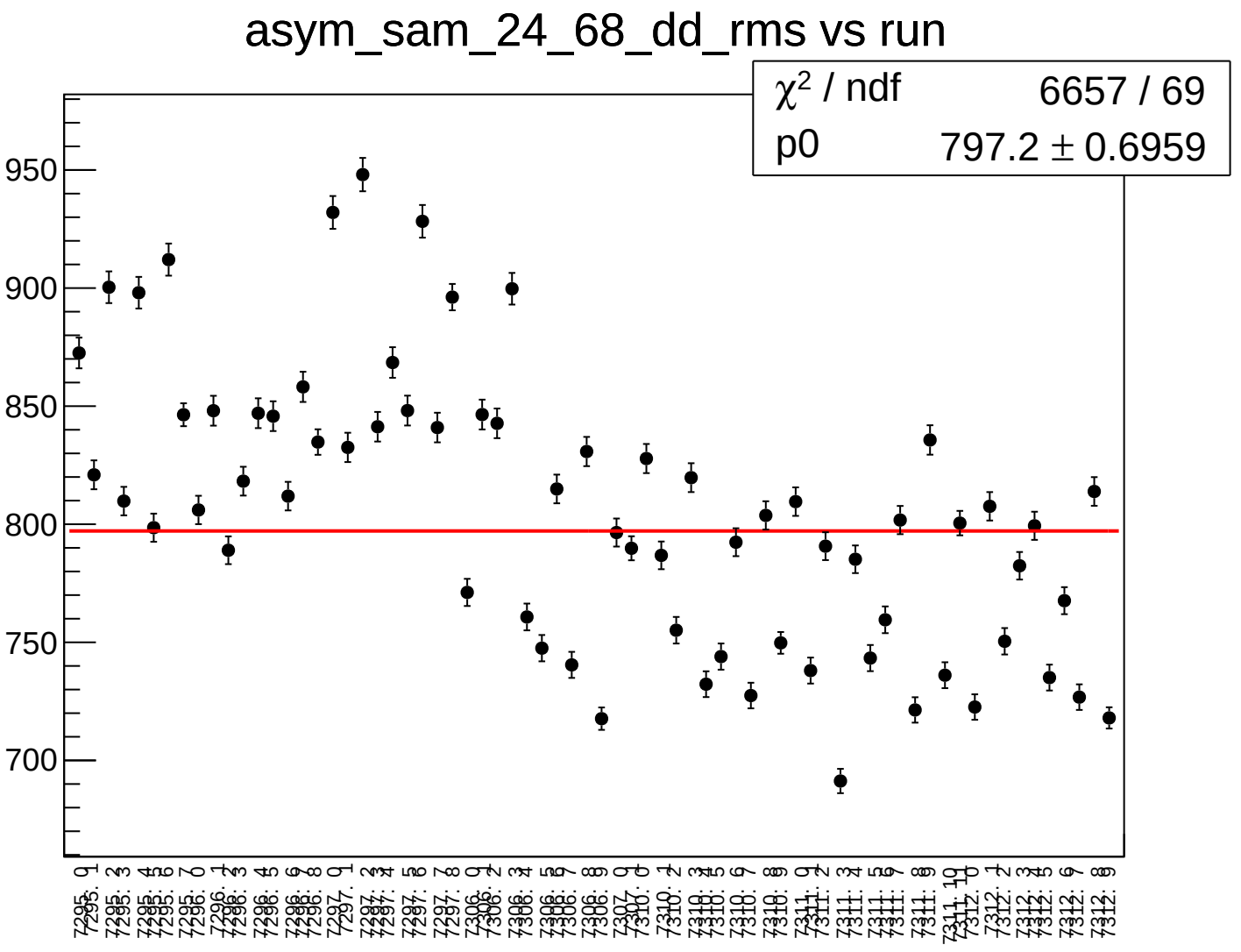

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.14 / 69
p0 −1447 ± 998
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 321.8
Std Dev 0
2
1
0
−1
−2

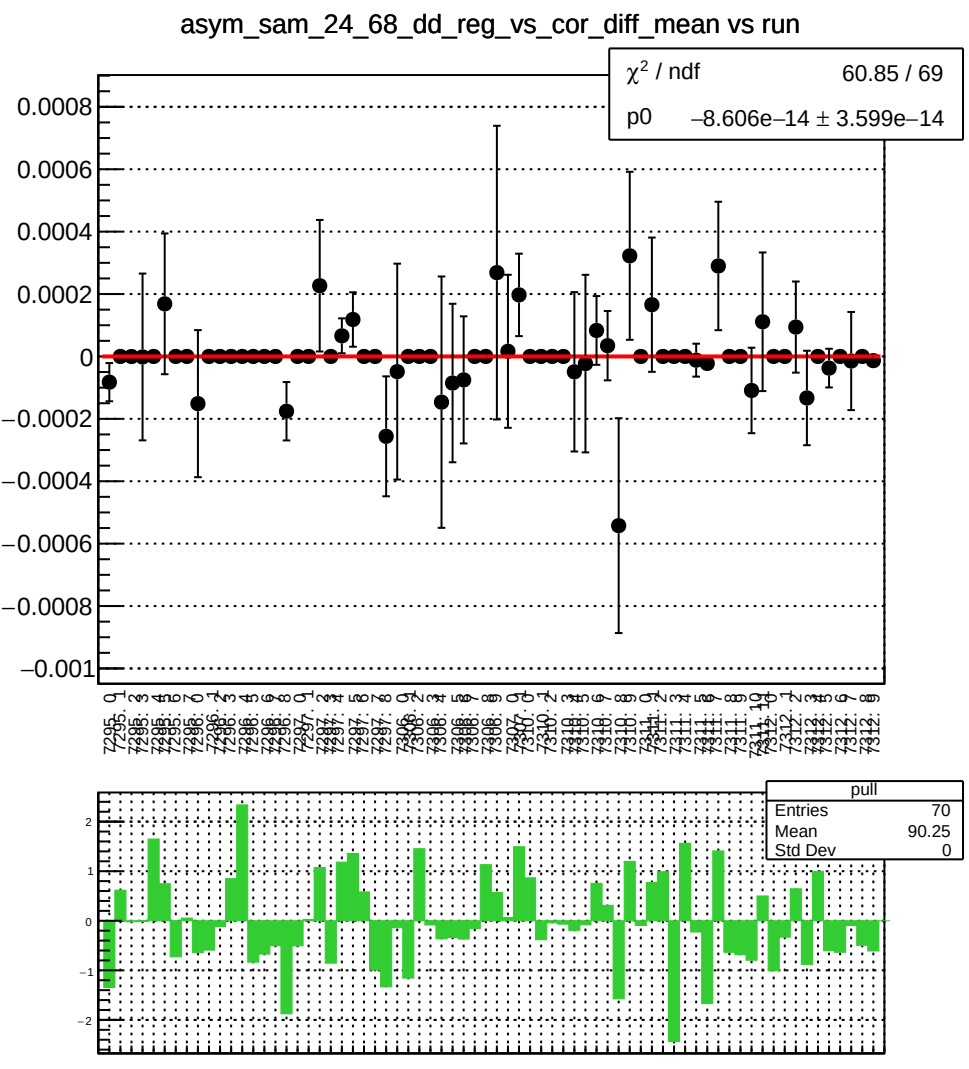

pull1D
Entries 70
Mean −0.007276
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

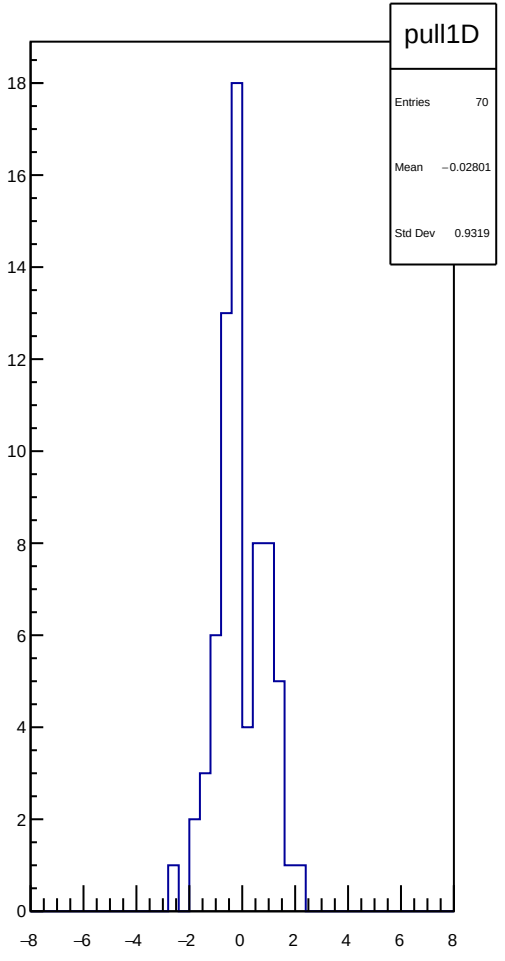

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 5278 / 69
p0 808.8 ± 0.7057
950
900
850
800
750
700

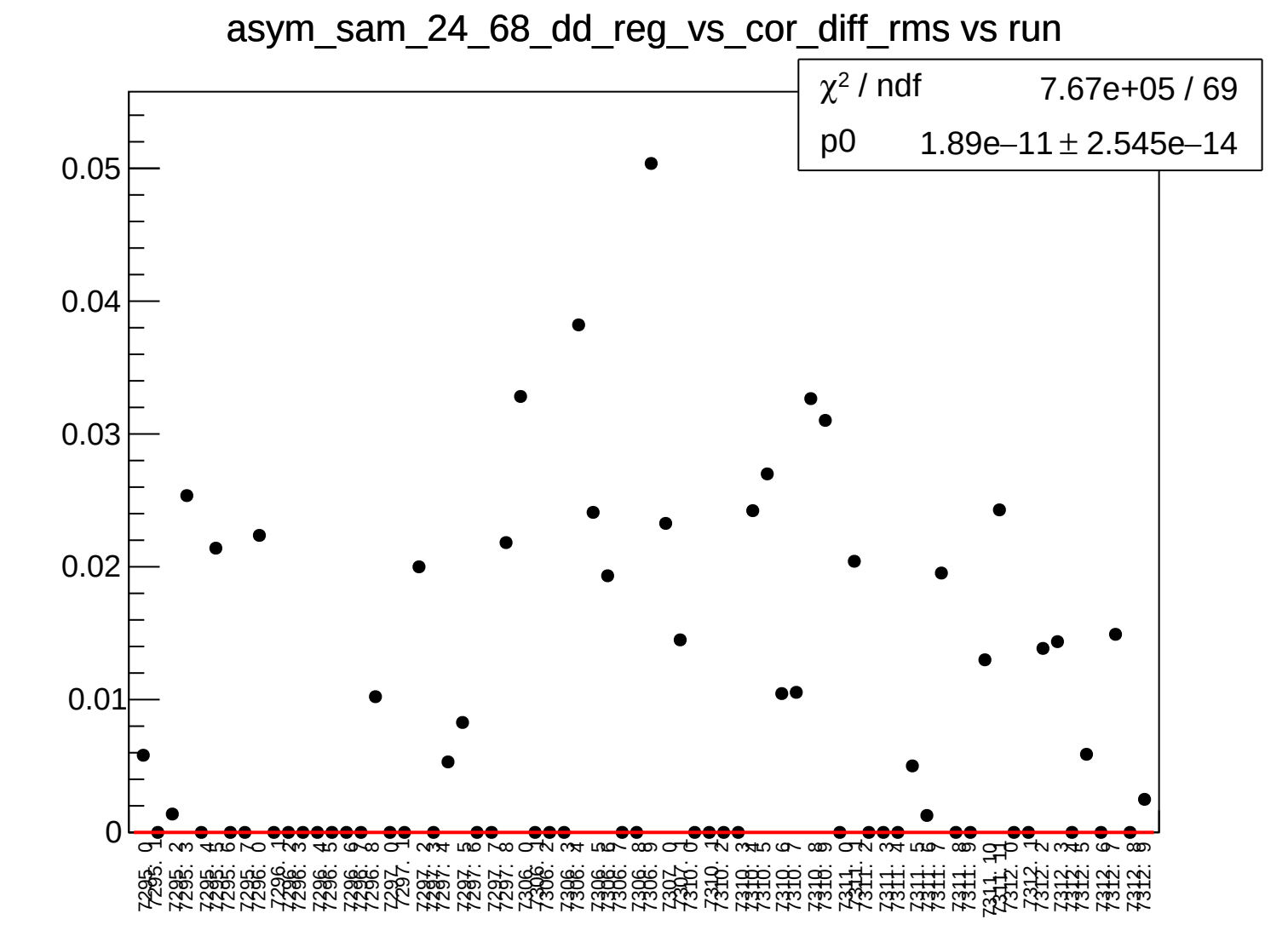

asym_sam_24_68_dd_mean vs run
χ² / ndf 80.17 / 69
p0 1414 ± 984.1
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean 725.8
Std Dev 0
3
2
1
0
−1
−2

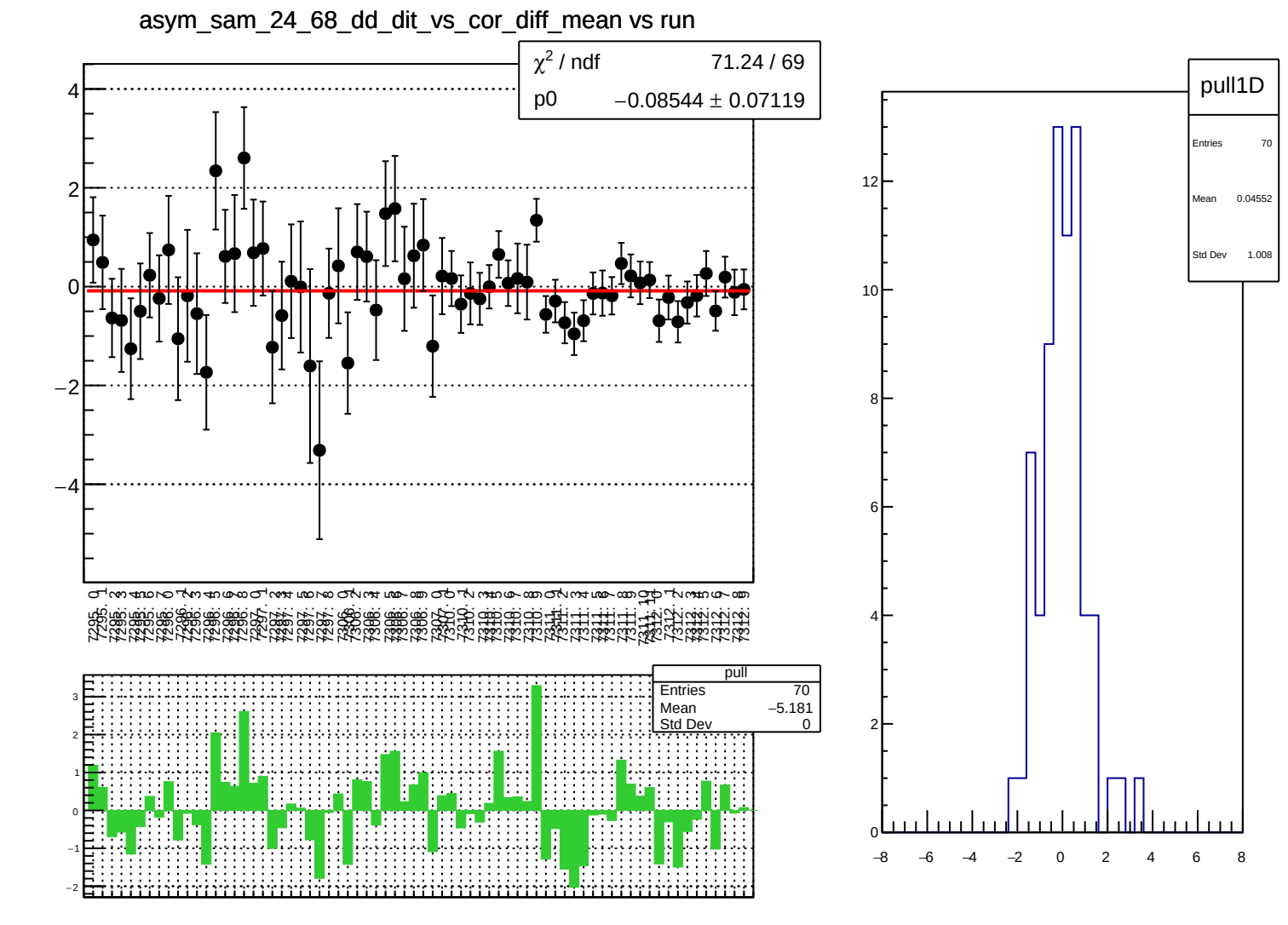

pull1D
Entries 70
Mean 0.003084
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

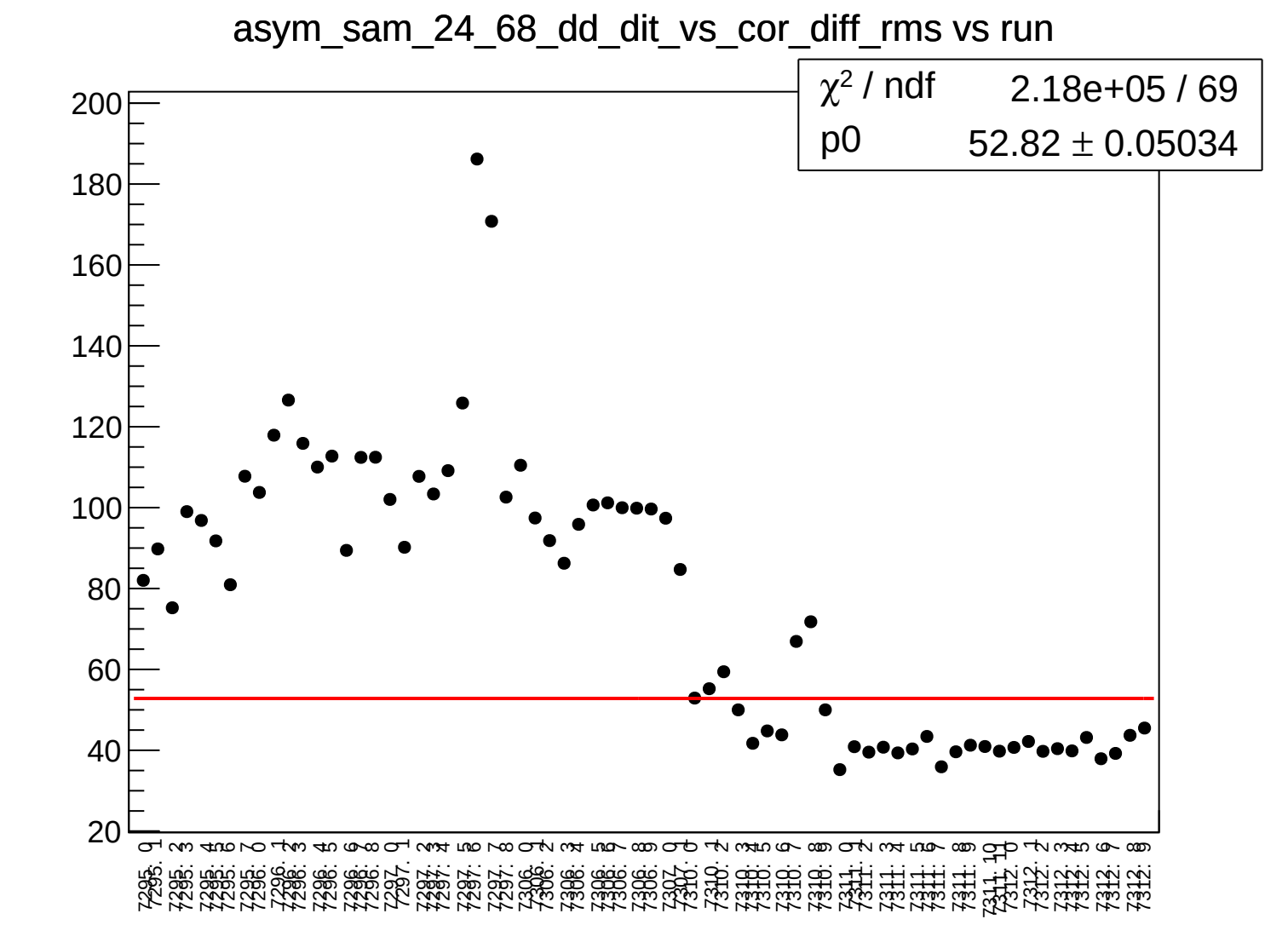

asym_sam_24_68_dd_rms vs run
χ² / ndf 6657 / 69
p0 797.2 ± 0.6959
950
900
850
800
750
700

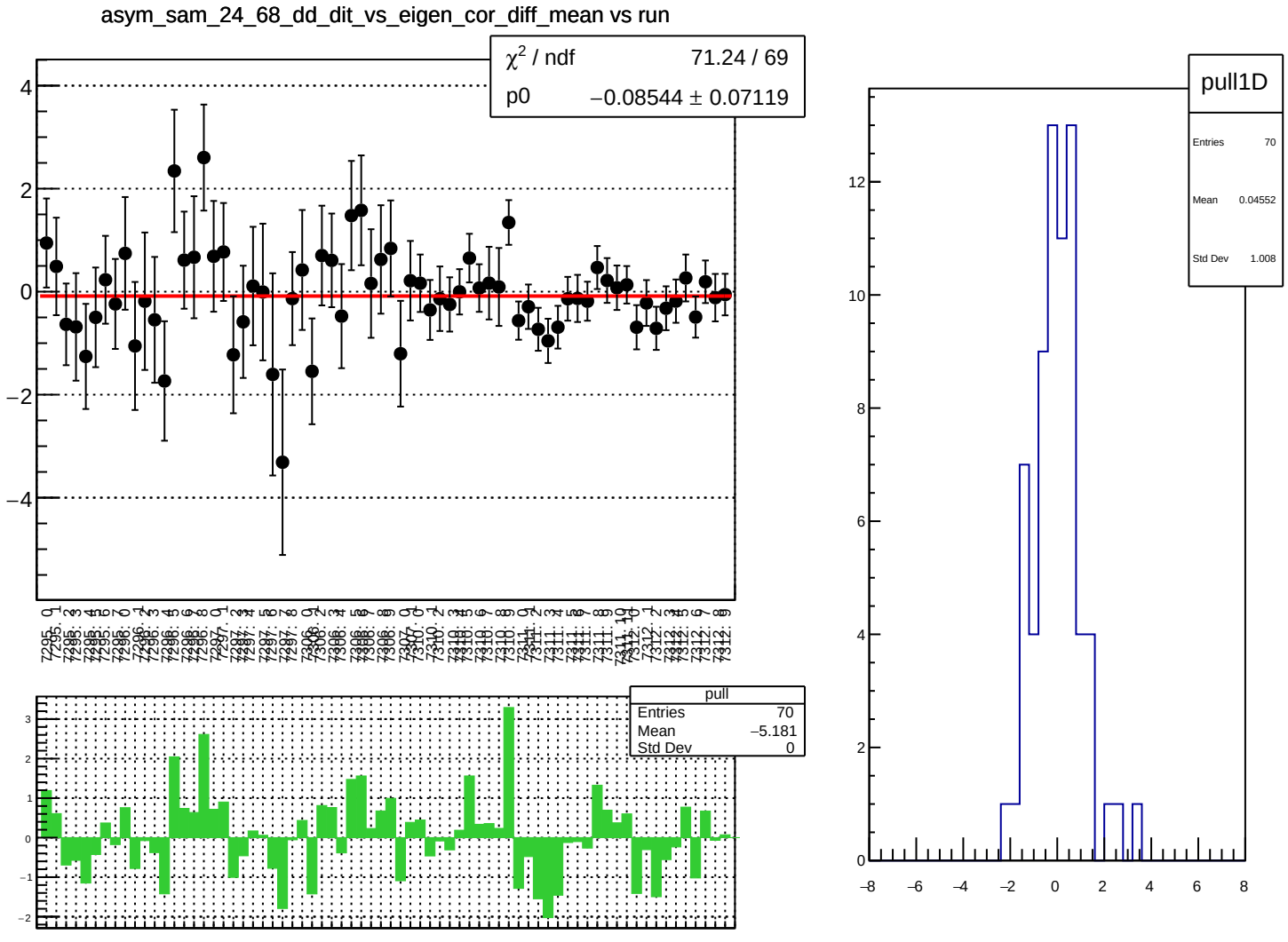

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.85 / 69
p0 −8.606e−14 ± 3.599e−14
pull
Entries 70
Mean 90.25
Std Dev 0

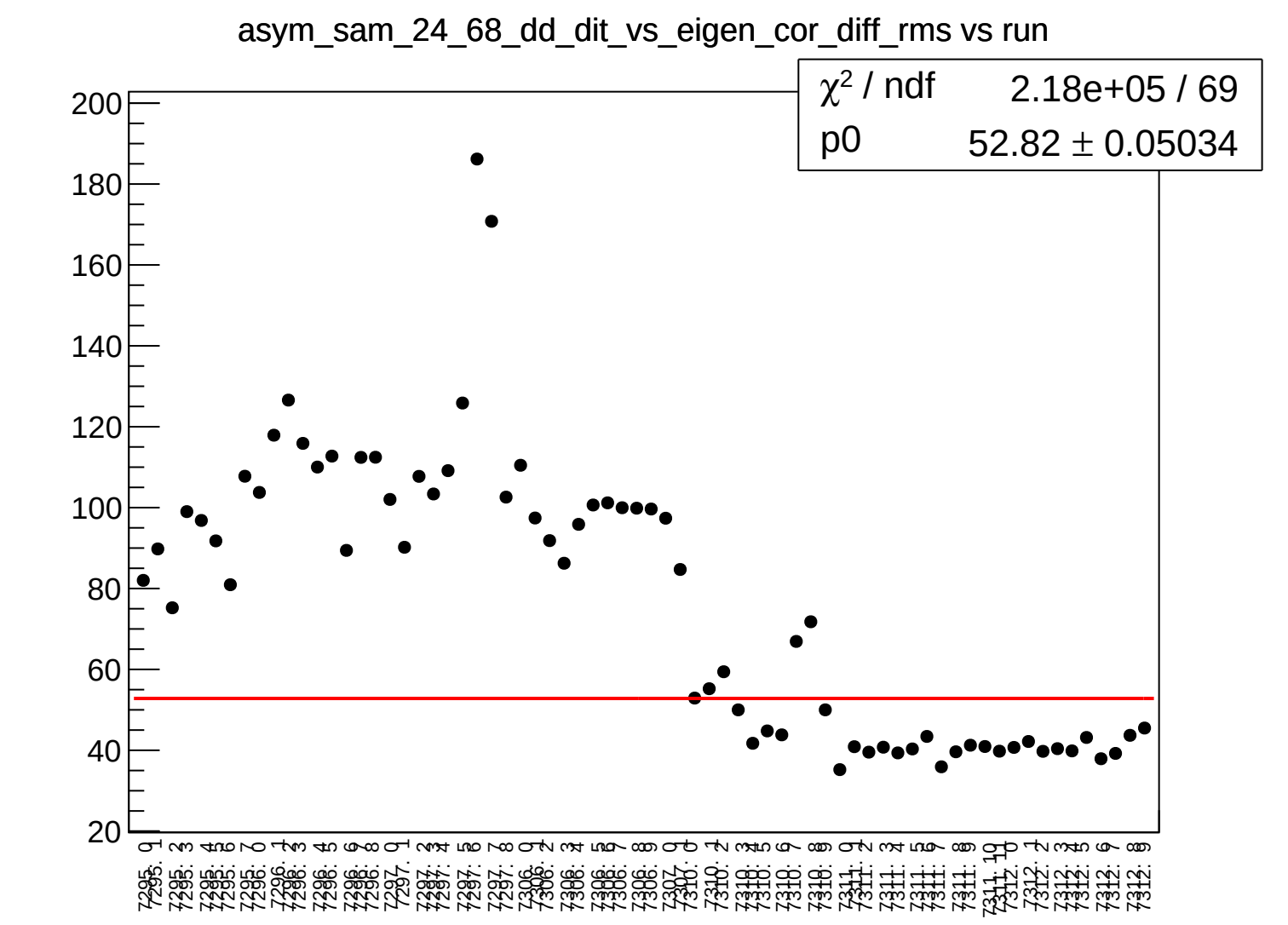

pull1D
Entries 70
Mean −0.02801
Std Dev 0.9319

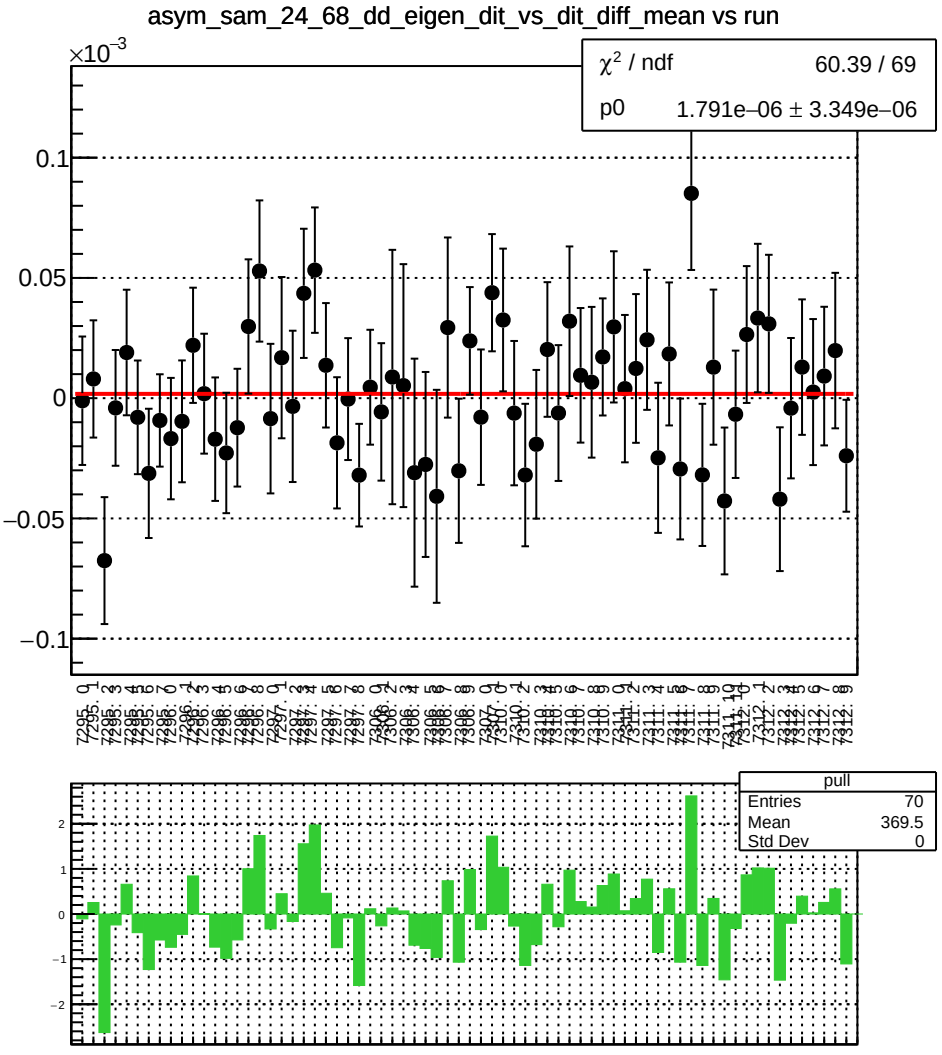

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.67e+05 / 69
p0 1.89e−11 ± 2.545e−14
0.05
0.04
0.03
0.02
0.01
0

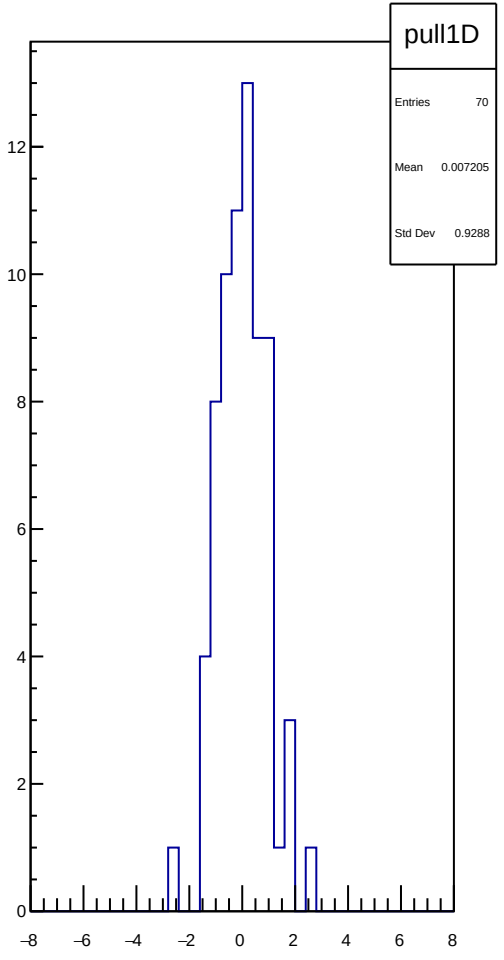

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.24 / 69
p0 −0.08544 ± 0.07119
pull
Entries 70
Mean −5.181
Std Dev 0
pull1D
Entries 70
Mean 0.04552
Std Dev 1.008

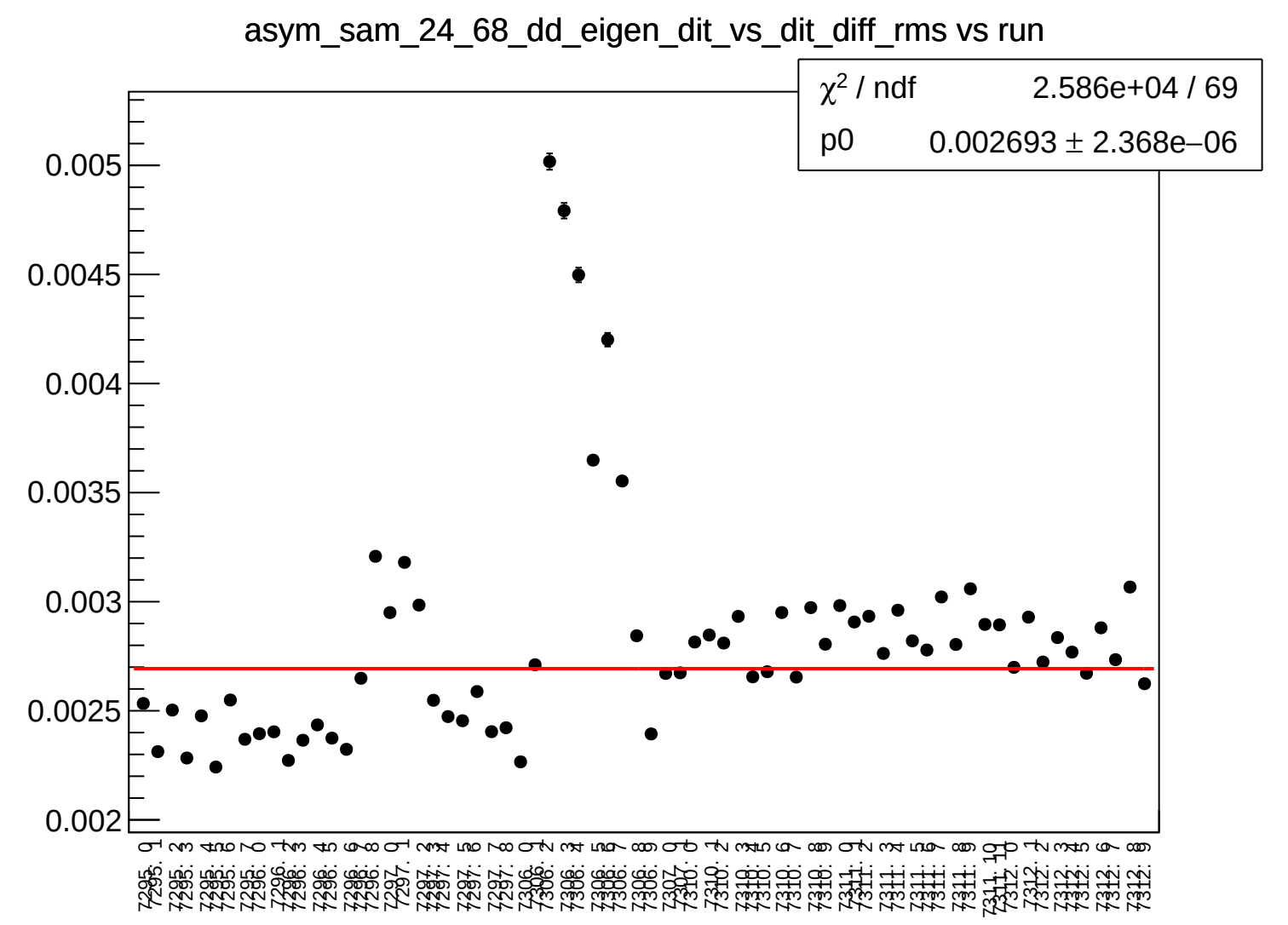

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.18e+05 / 69
p0 52.82 ± 0.05034
200
180
160
140
120
100
80
60
40
20

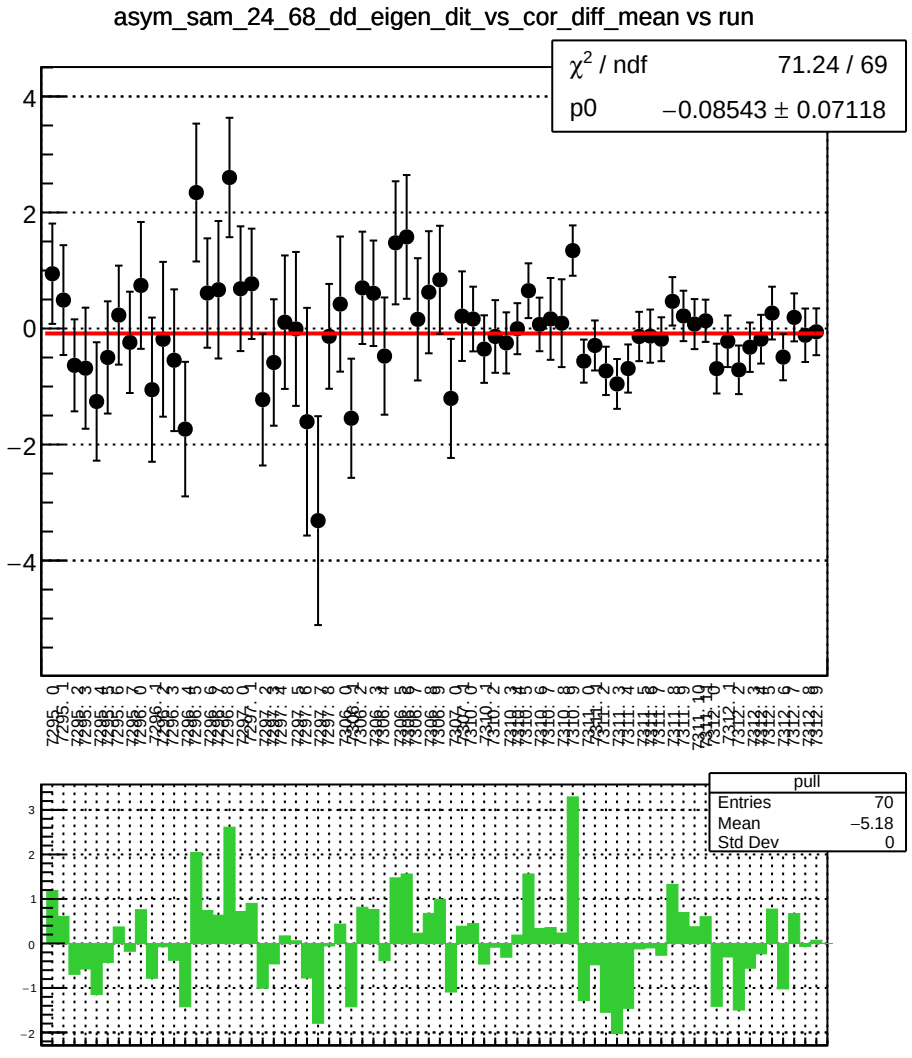

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.24 / 69
p0 −0.08544 ± 0.07119
pull
Entries 70
Mean −5.181
Std Dev 0
pull1D
Entries 70
Mean 0.04552
Std Dev 1.008

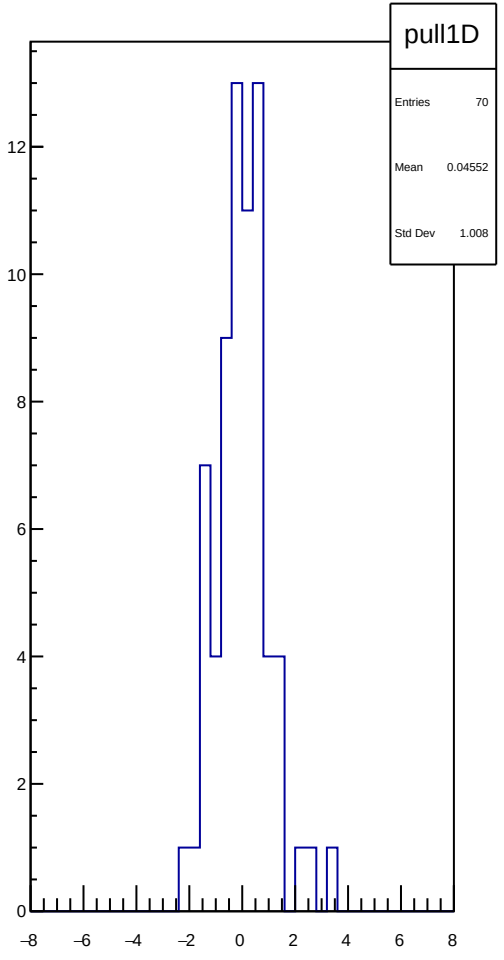

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.18e+05 / 69
p0 52.82 ± 0.05034
200
180
160
140
120
100
80
60
40
20

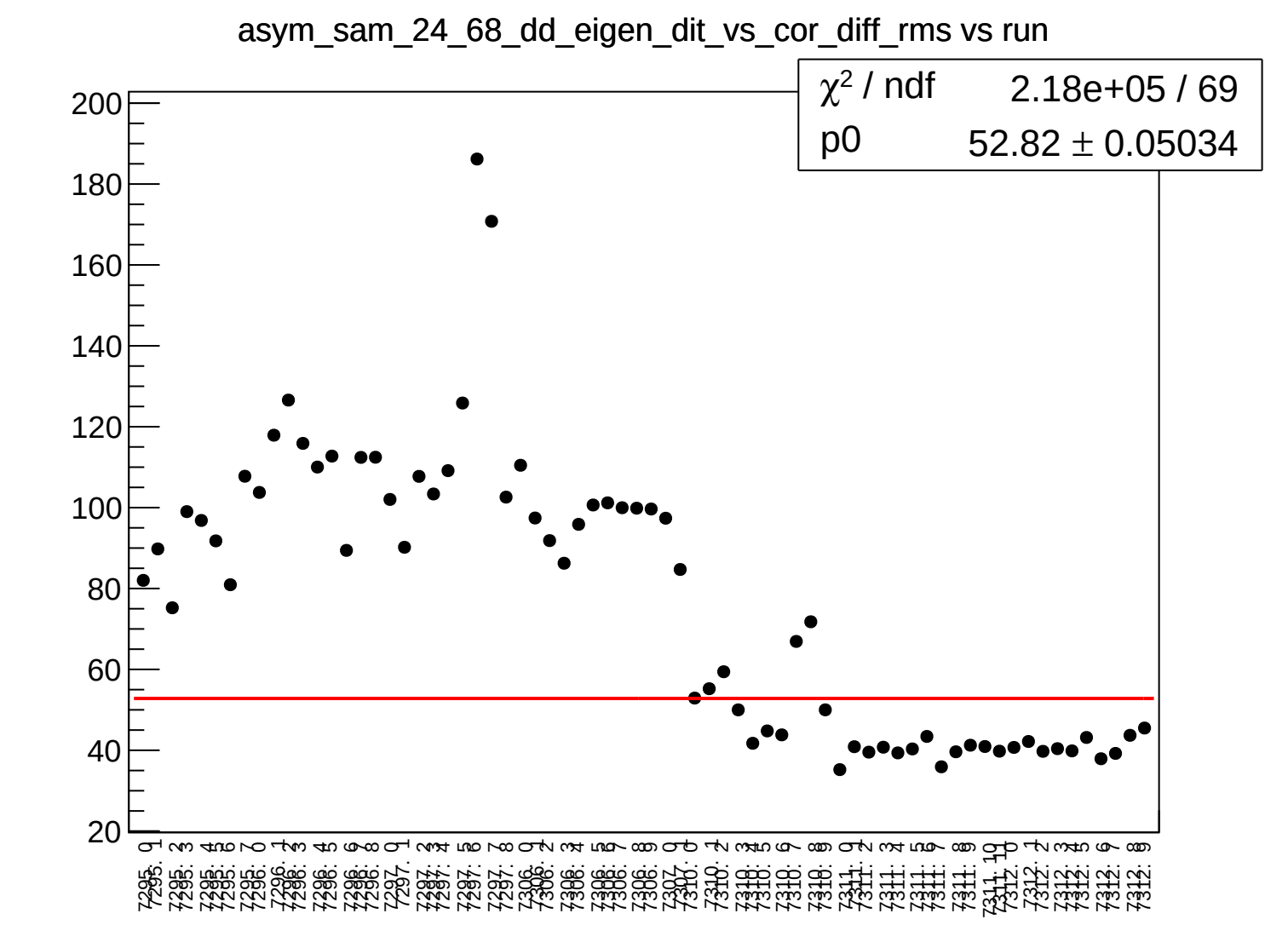

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.39 / 69
p0 1.791e−06 ± 3.349e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 369.5
Std Dev 0
2
1
0
−1
−2

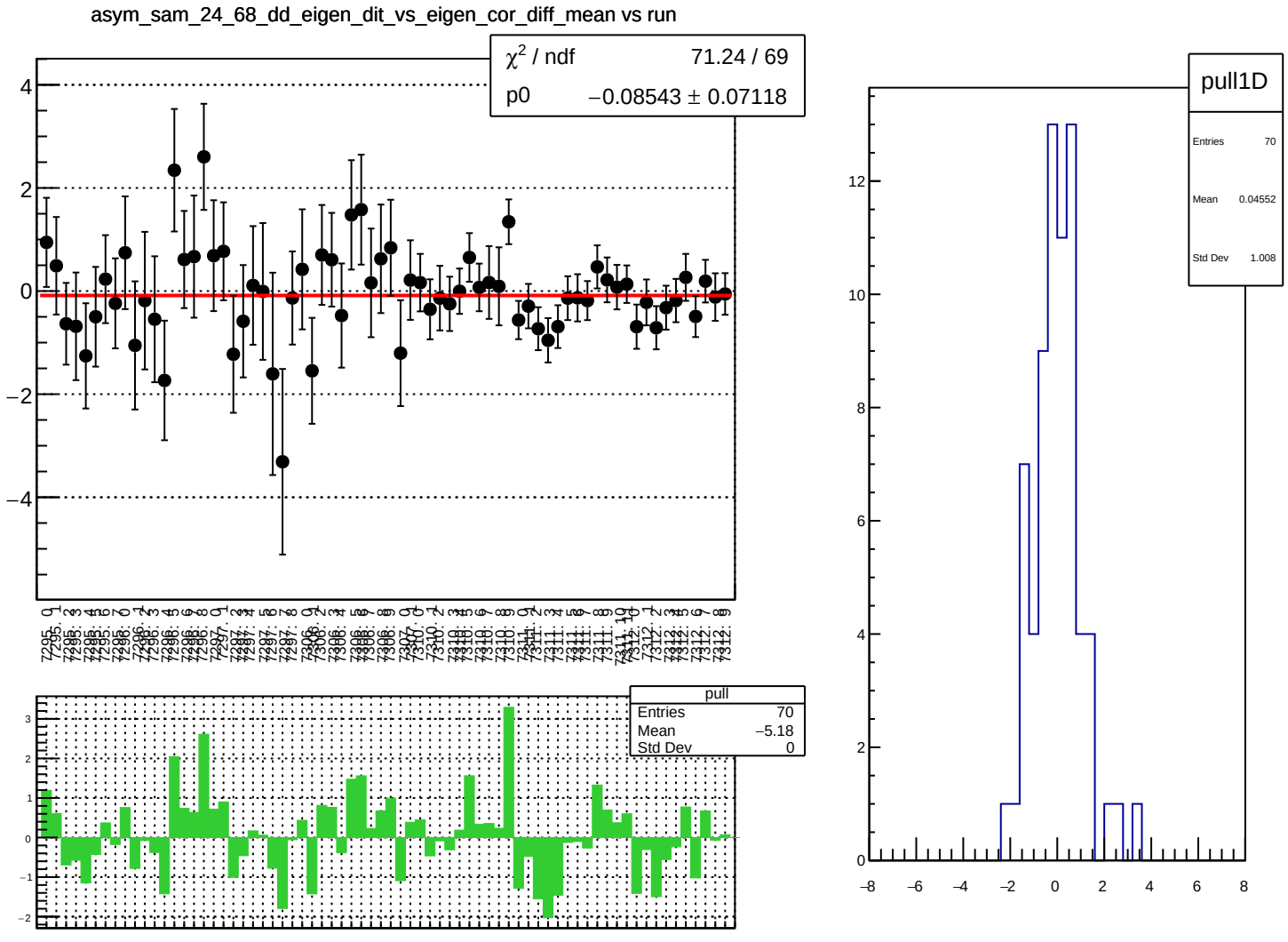

pull1D
Entries 70
Mean 0.007205
Std Dev 0.9288
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

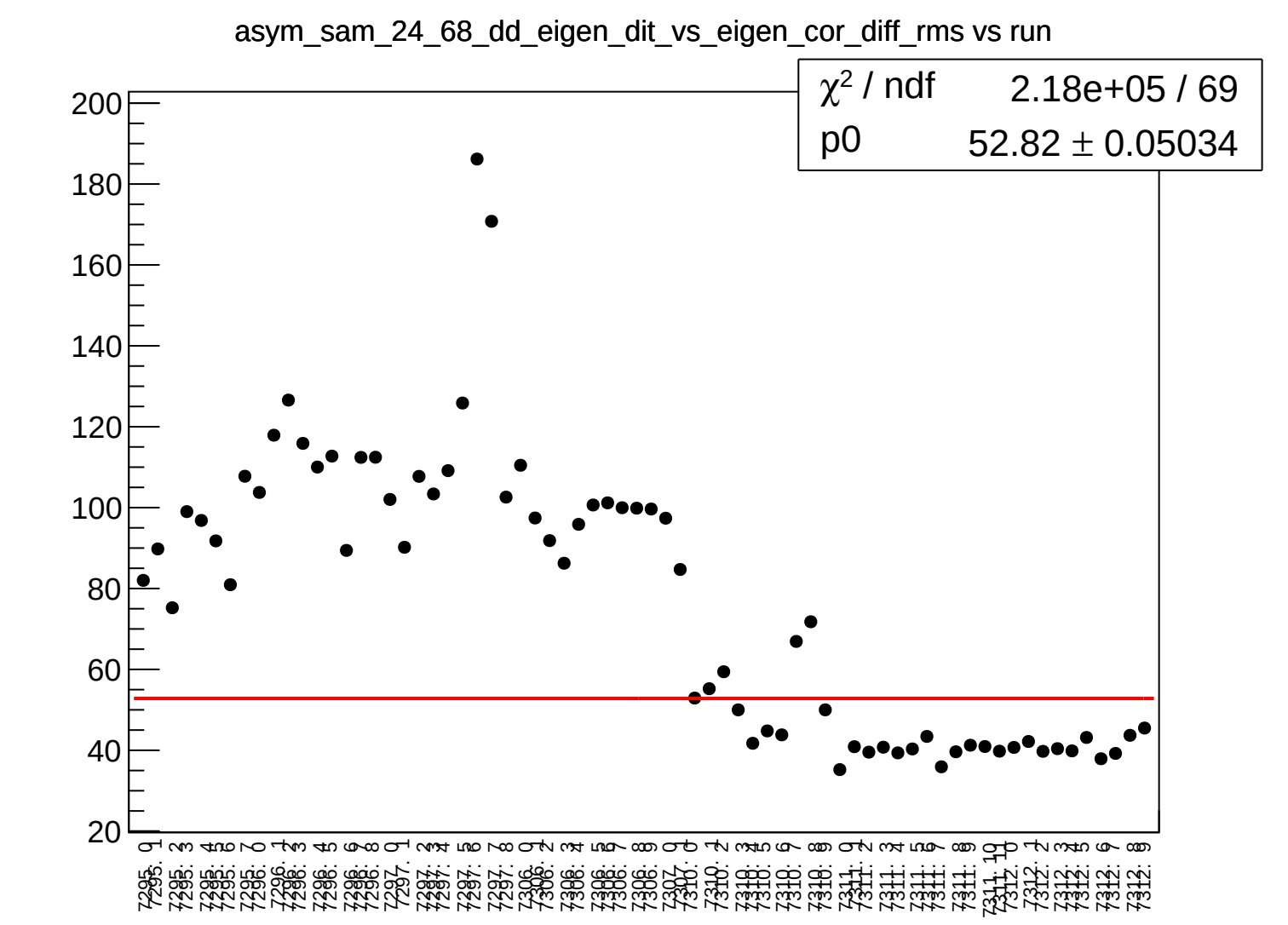

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.586e+04 / 69
p0 0.002693 ± 2.368e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

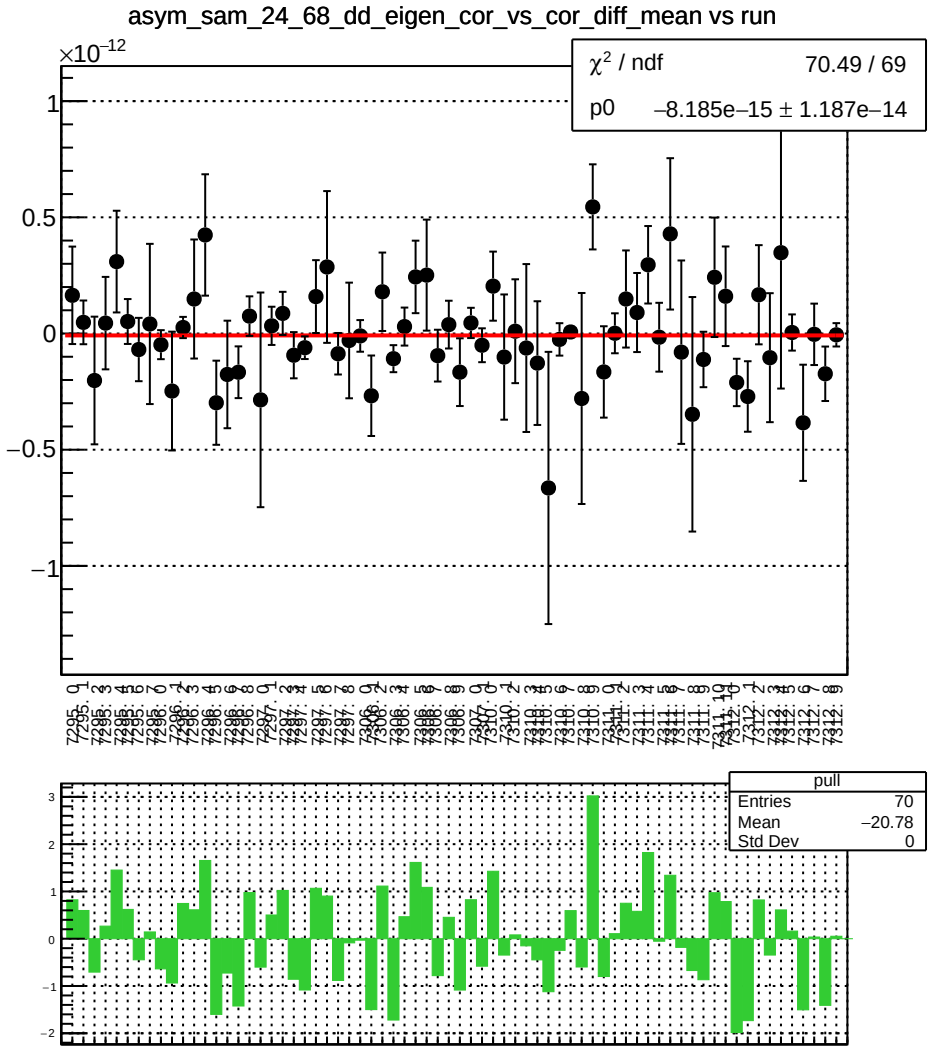

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.24 / 69
p0 −0.08543 ± 0.07118
pull
Entries 70
Mean −5.18
Std Dev 0

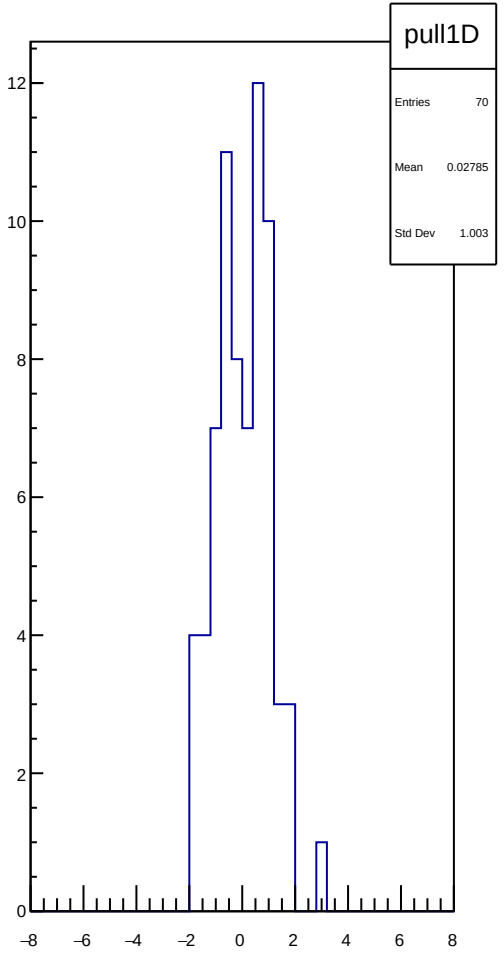

pull1D
Entries 70
Mean 0.04552
Std Dev 1.008

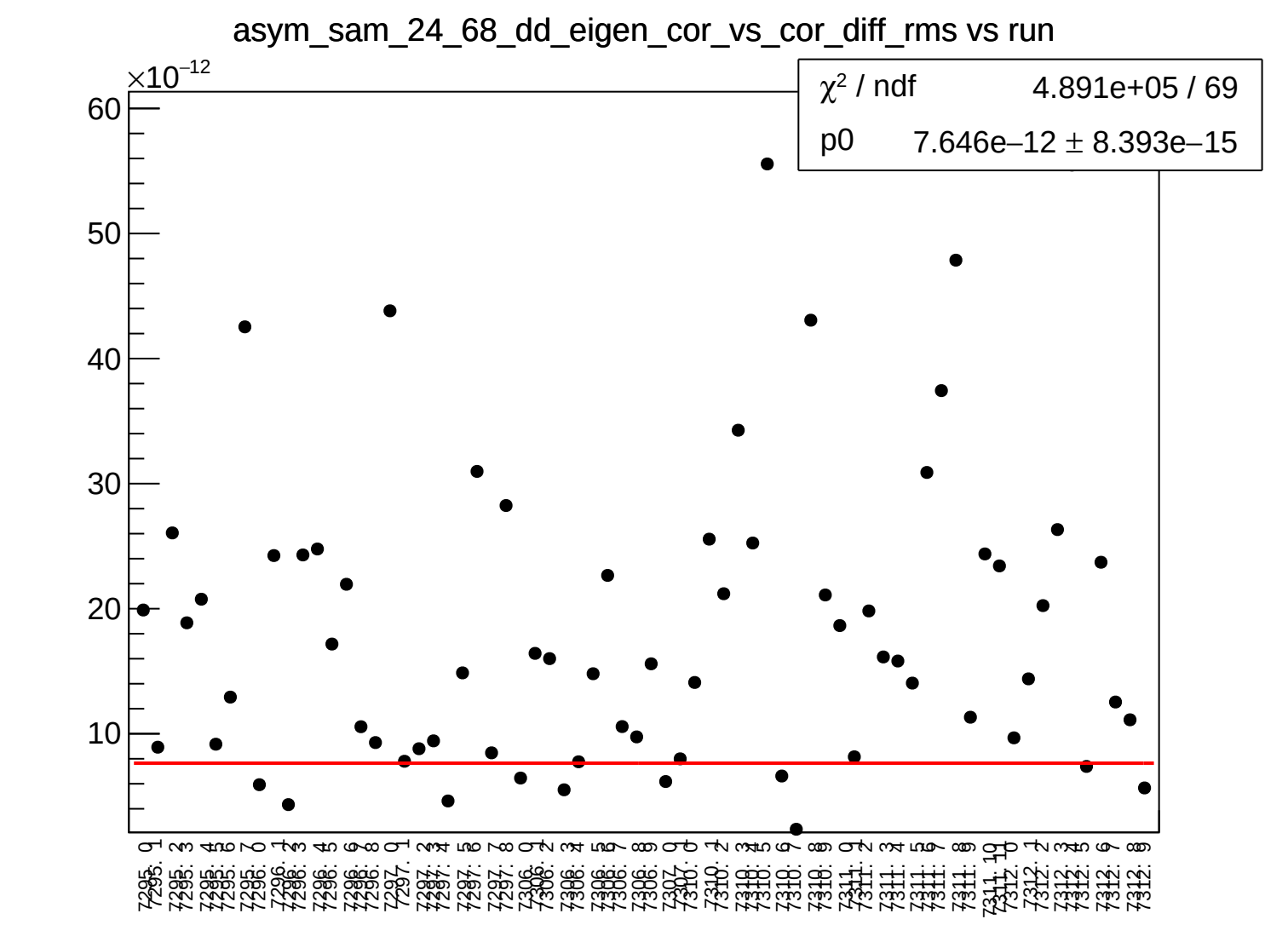

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.18e+05 / 69
p0 52.82 ± 0.05034
200
180
160
140
120
100
80
60
40
20

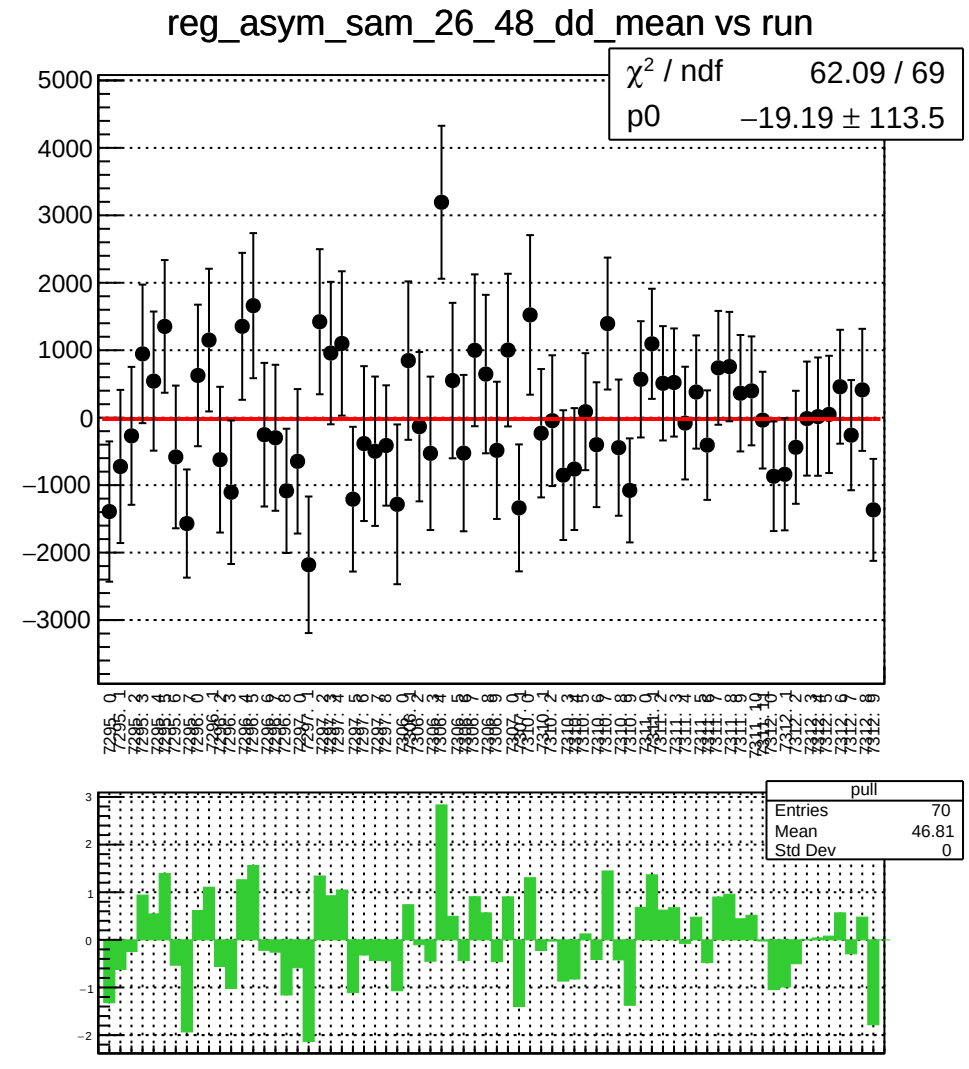

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.24 / 69
p0 −0.08543 ± 0.07118
pull
Entries 70
Mean −5.18
Std Dev 0
pull1D
Entries 70
Mean 0.04552
Std Dev 1.008

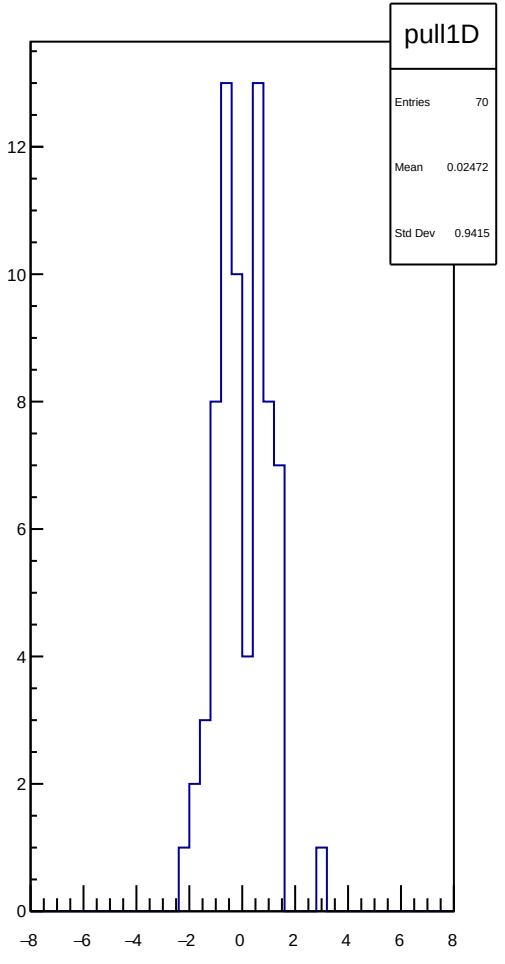

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.18e+05 / 69
p0 52.82 ± 0.05034
200
180
160
140
120
100
80
60
40
20

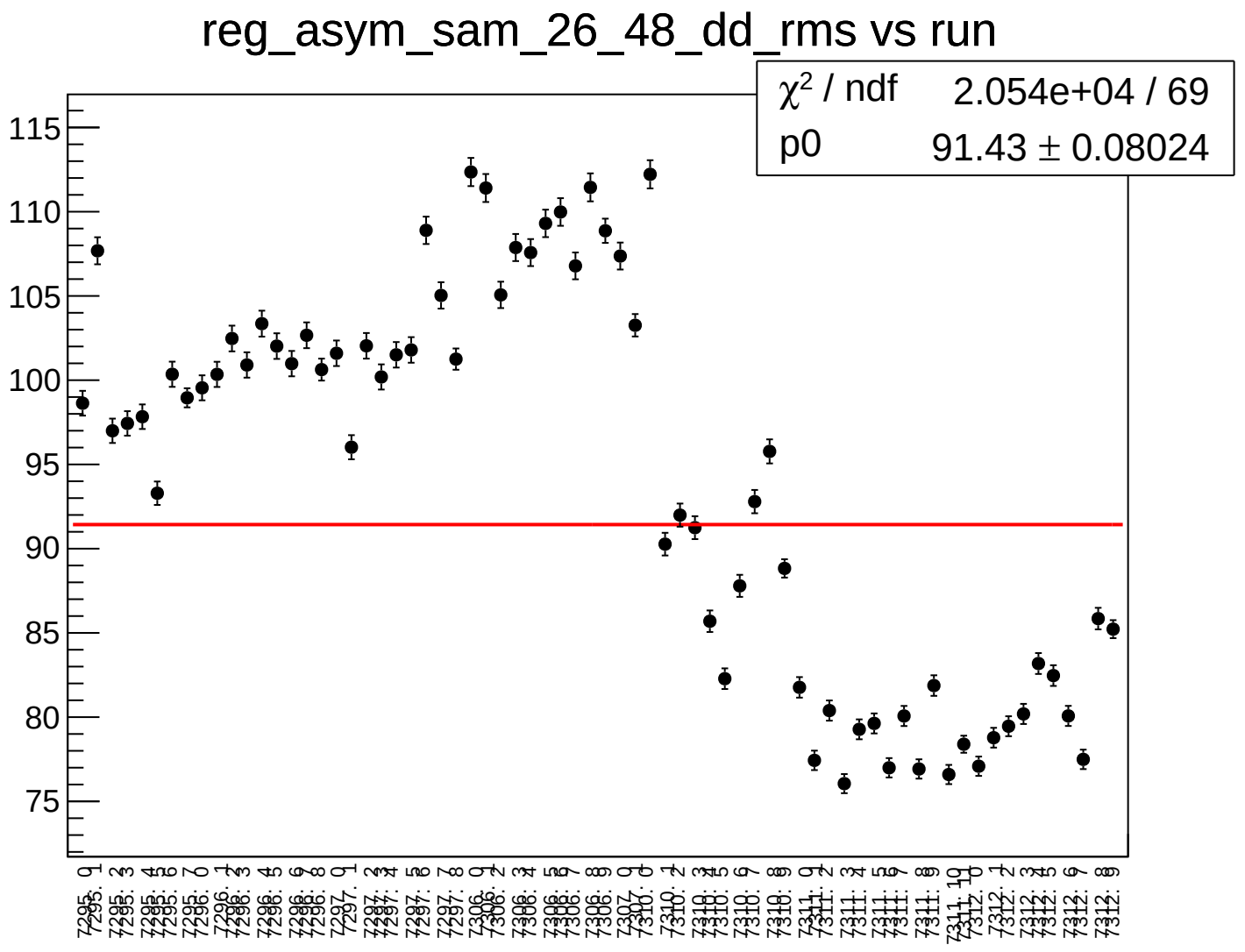

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.49 / 69
p0 −8.185e−15 ± 1.187e−14
pull
Entries 70
Mean −20.78
Std Dev 0

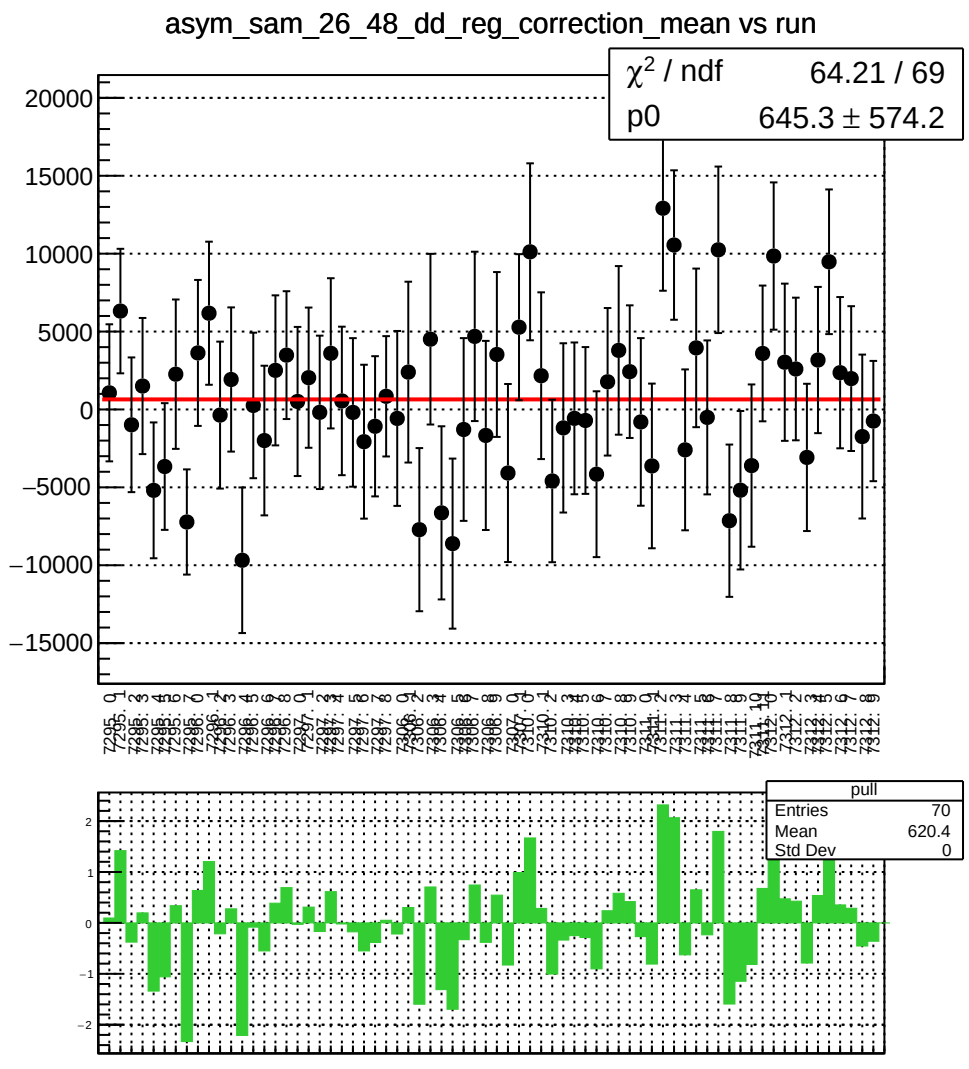

pull1D
Entries 70
Mean 0.02785
Std Dev 1.003

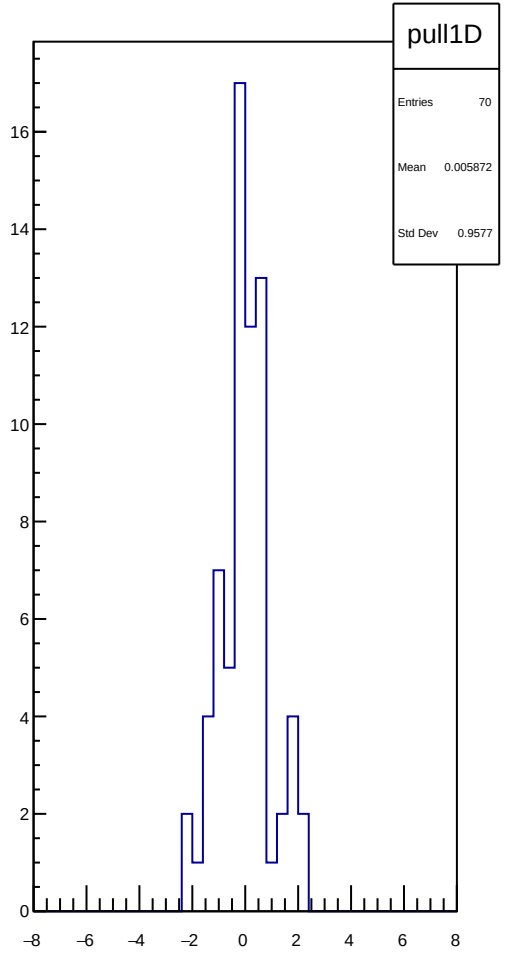

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.891e+05 / 69
p0 7.646e−12 ± 8.393e−15
60
50
40
30
20
10

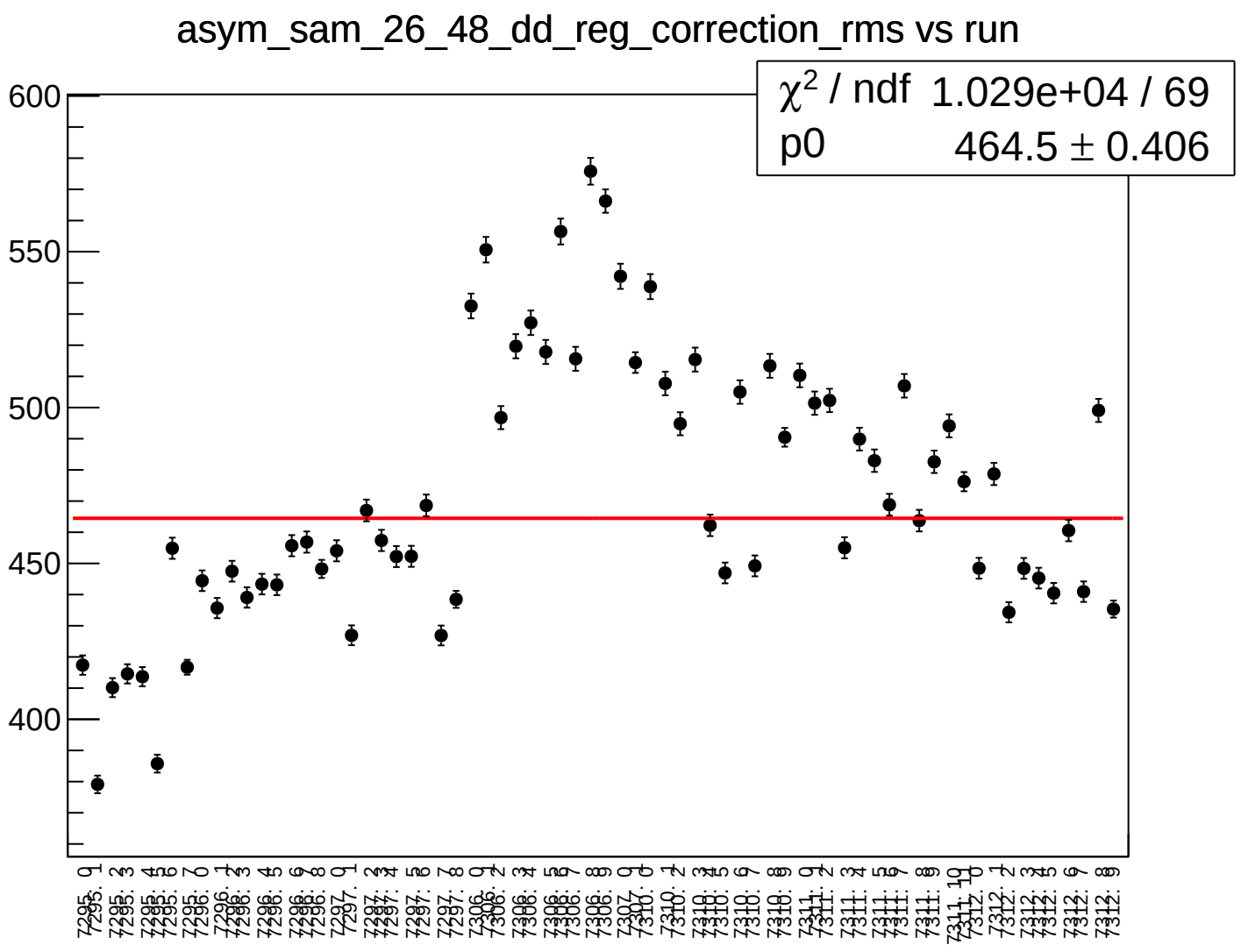

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.09 / 69
p0 −19.19 ± 113.5
pull
Entries 70
Mean 46.81
Std Dev 0

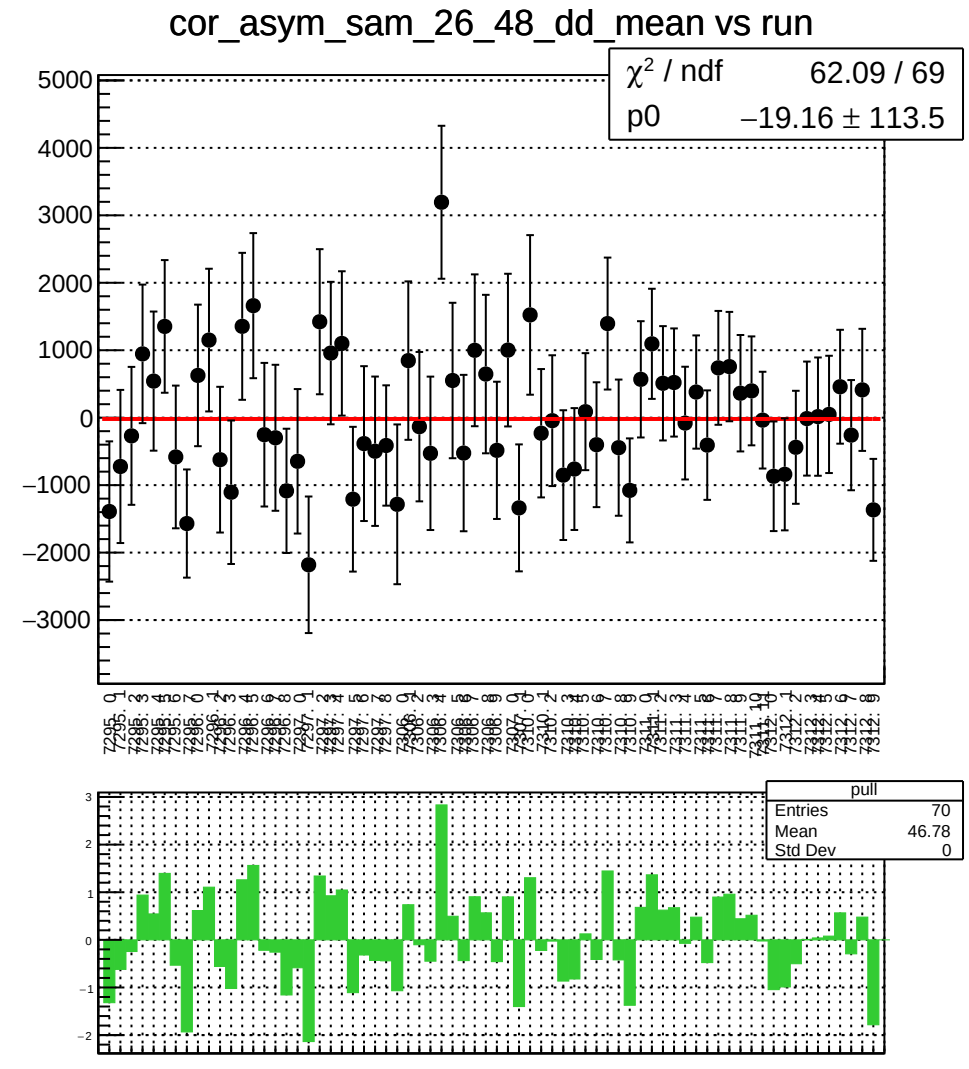

pull1D
Entries 70
Mean 0.02472
Std Dev 0.9415

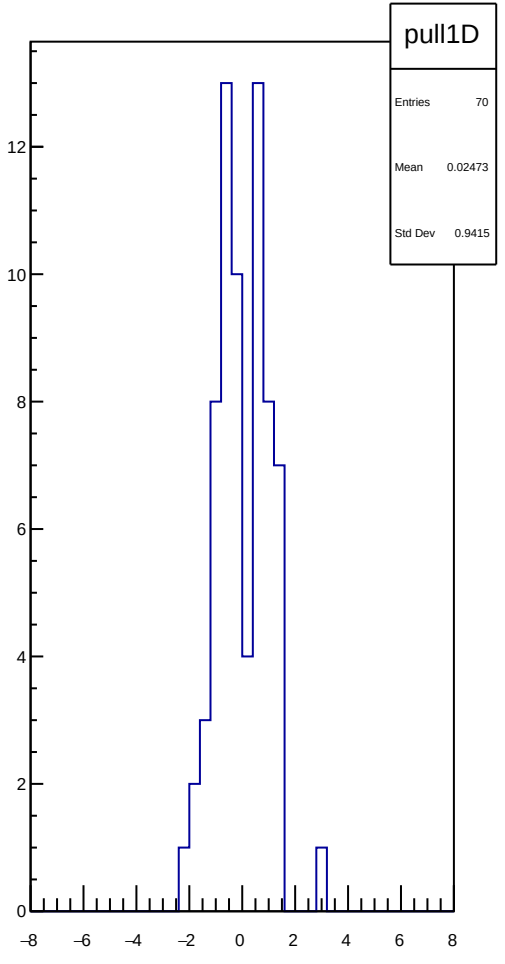

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.054e+04 / 69
p0 91.43 ± 0.08024
115
110
105
100
95
90
85
80
75

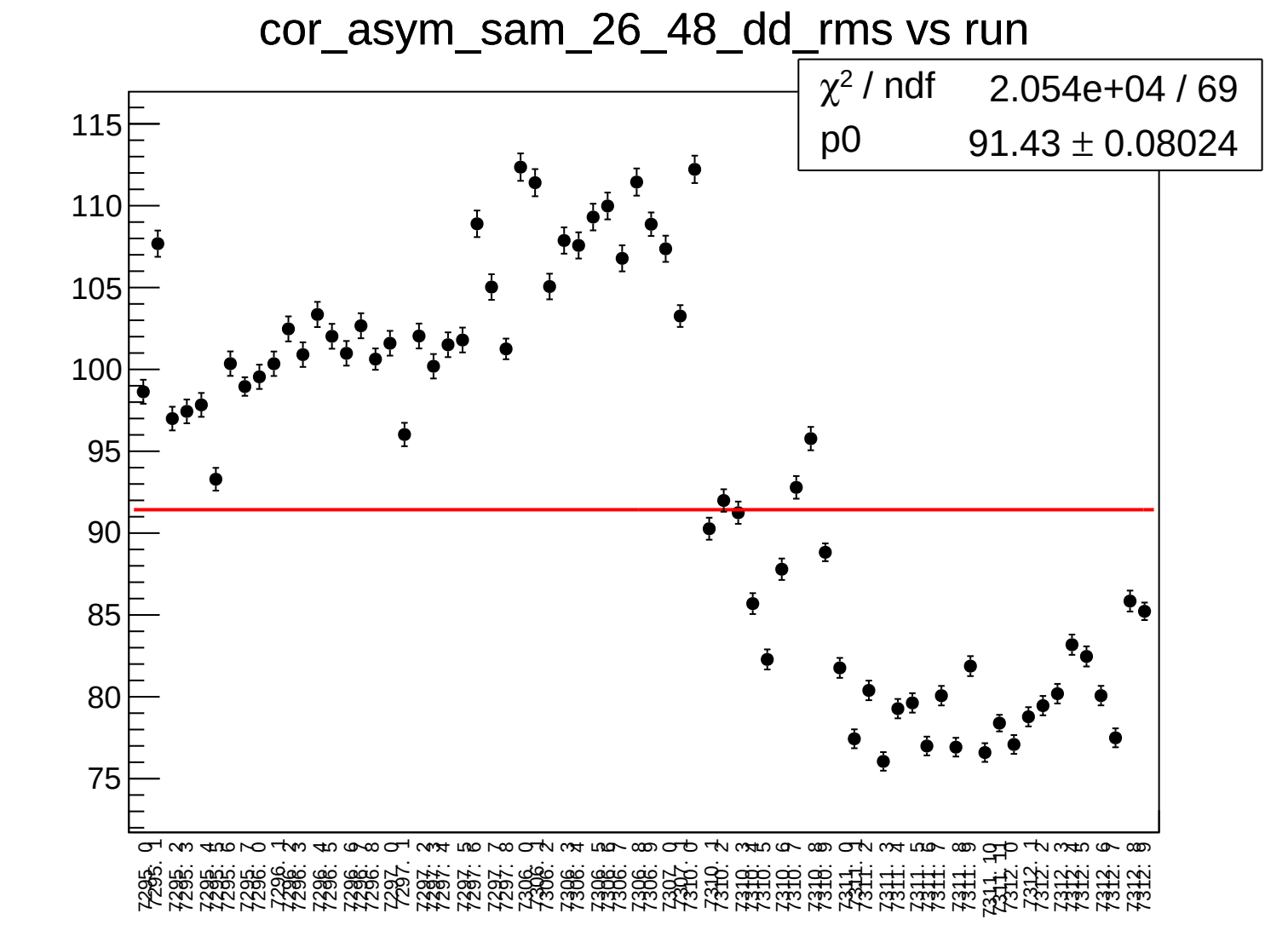

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 64.21 / 69
p0 645.3 ± 574.2
pull
Entries 70
Mean 620.4
Std Dev 0

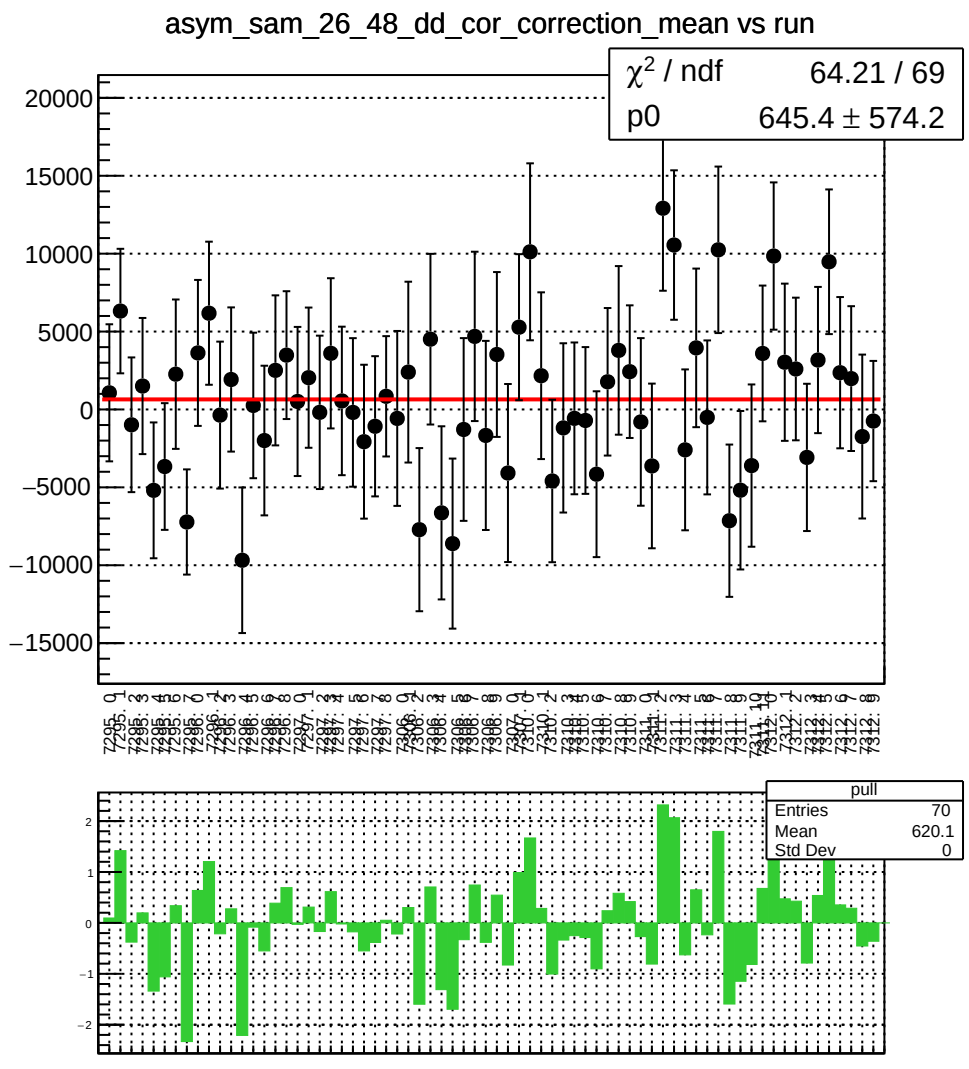

pull1D
Entries 70
Mean 0.005872
Std Dev 0.9577

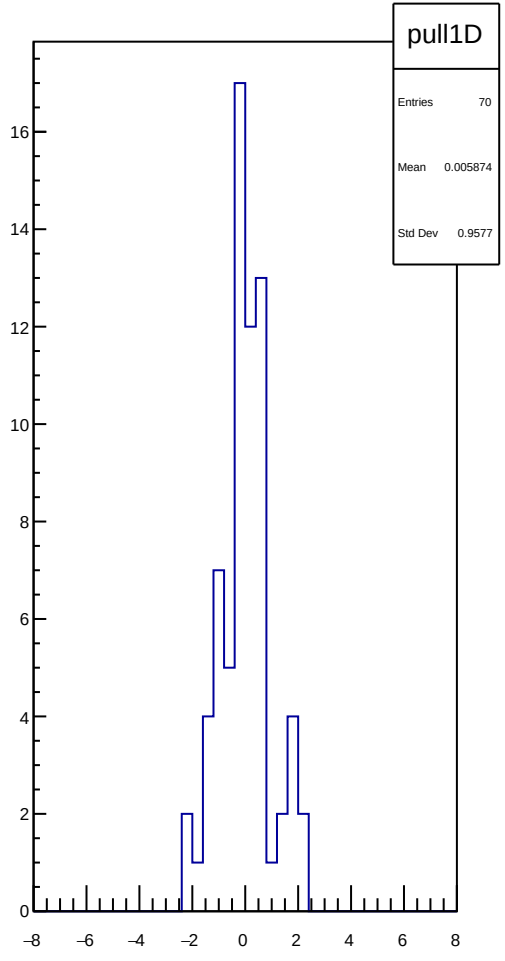

asym_sam_26_48_dd_reg_correction_rms vs run
χ^2 / ndf 1.029e+04 / 69
p0 464.5 ± 0.406
600
550
500
450
400

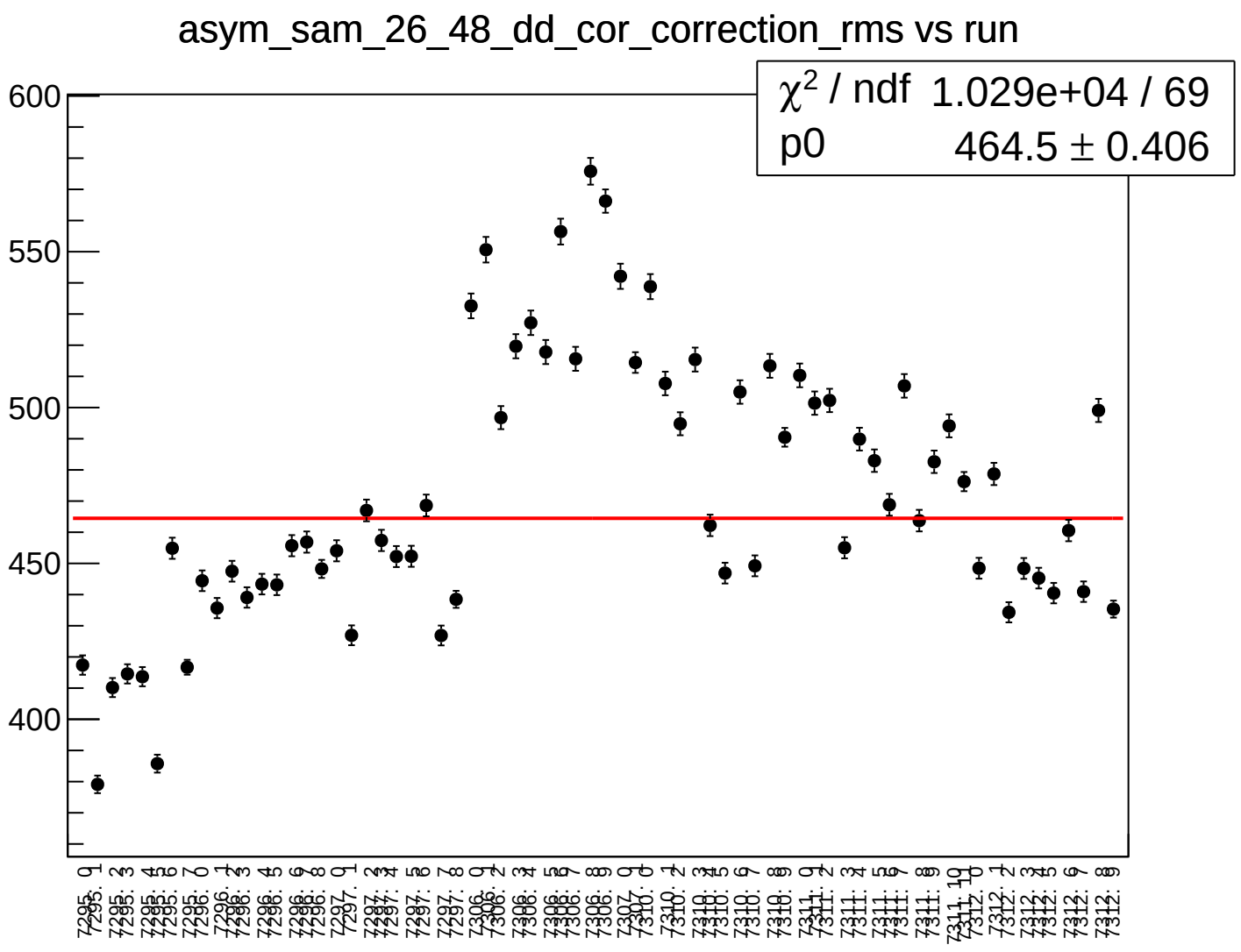

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.09 / 69
p0 −19.16 ± 113.5
pull
Entries 70
Mean 46.78
Std Dev 0

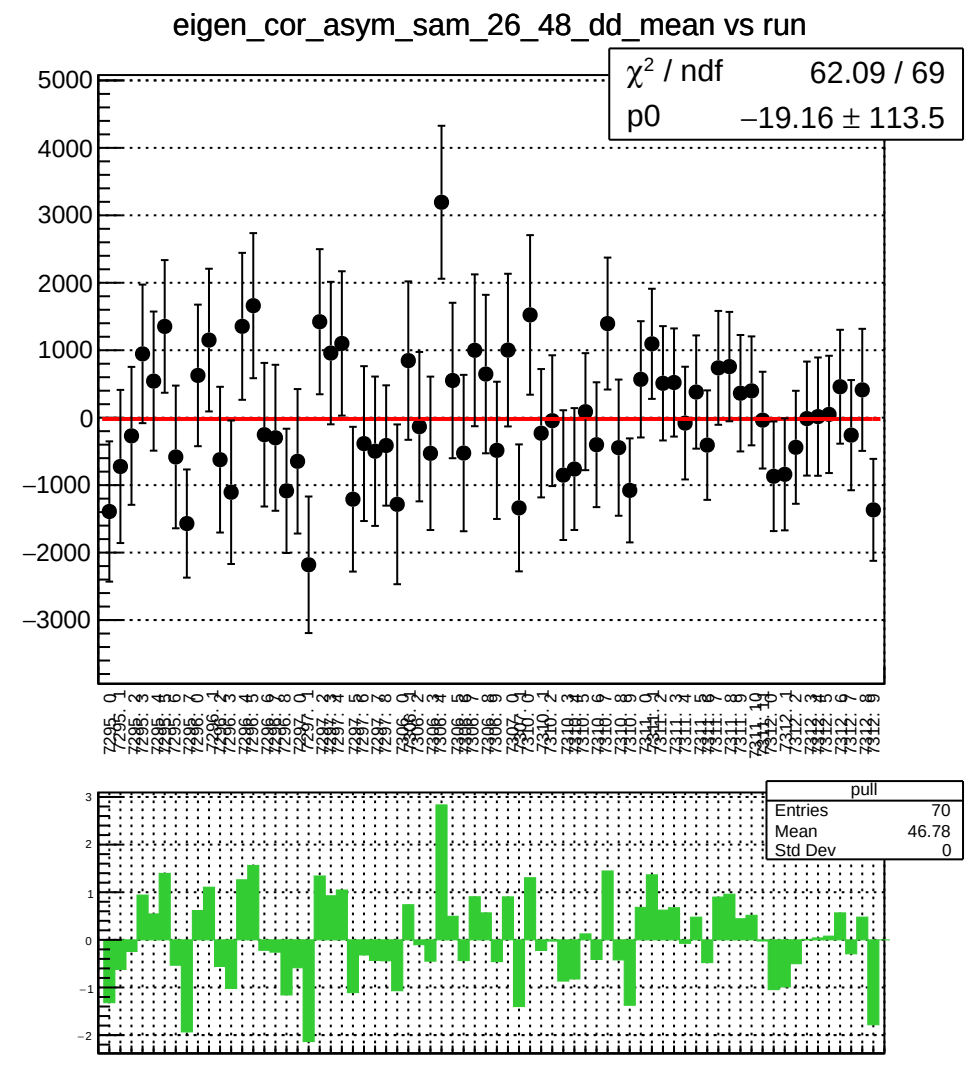

pull1D
Entries 70
Mean 0.02473
Std Dev 0.9415

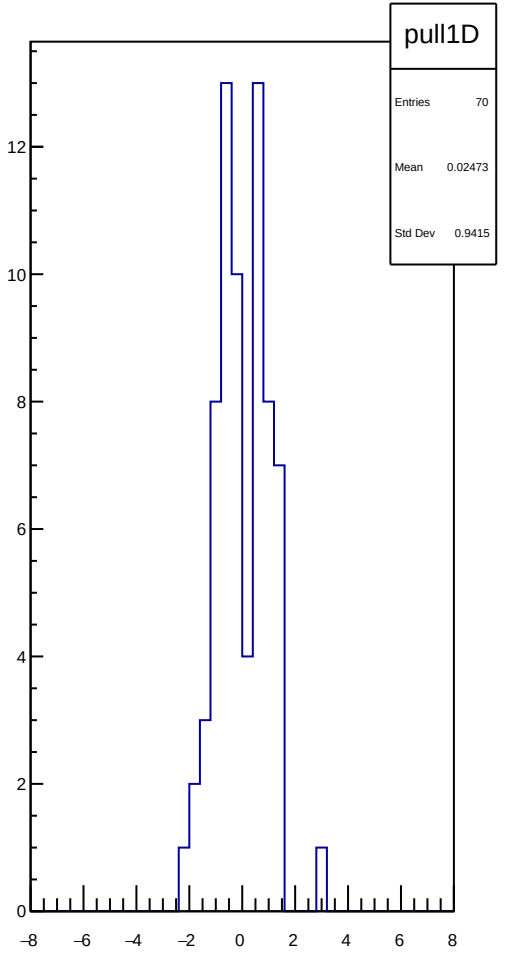

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.054e+04 / 69
p0 91.43 ± 0.08024
115
110
105
100
95
90
85
80
75

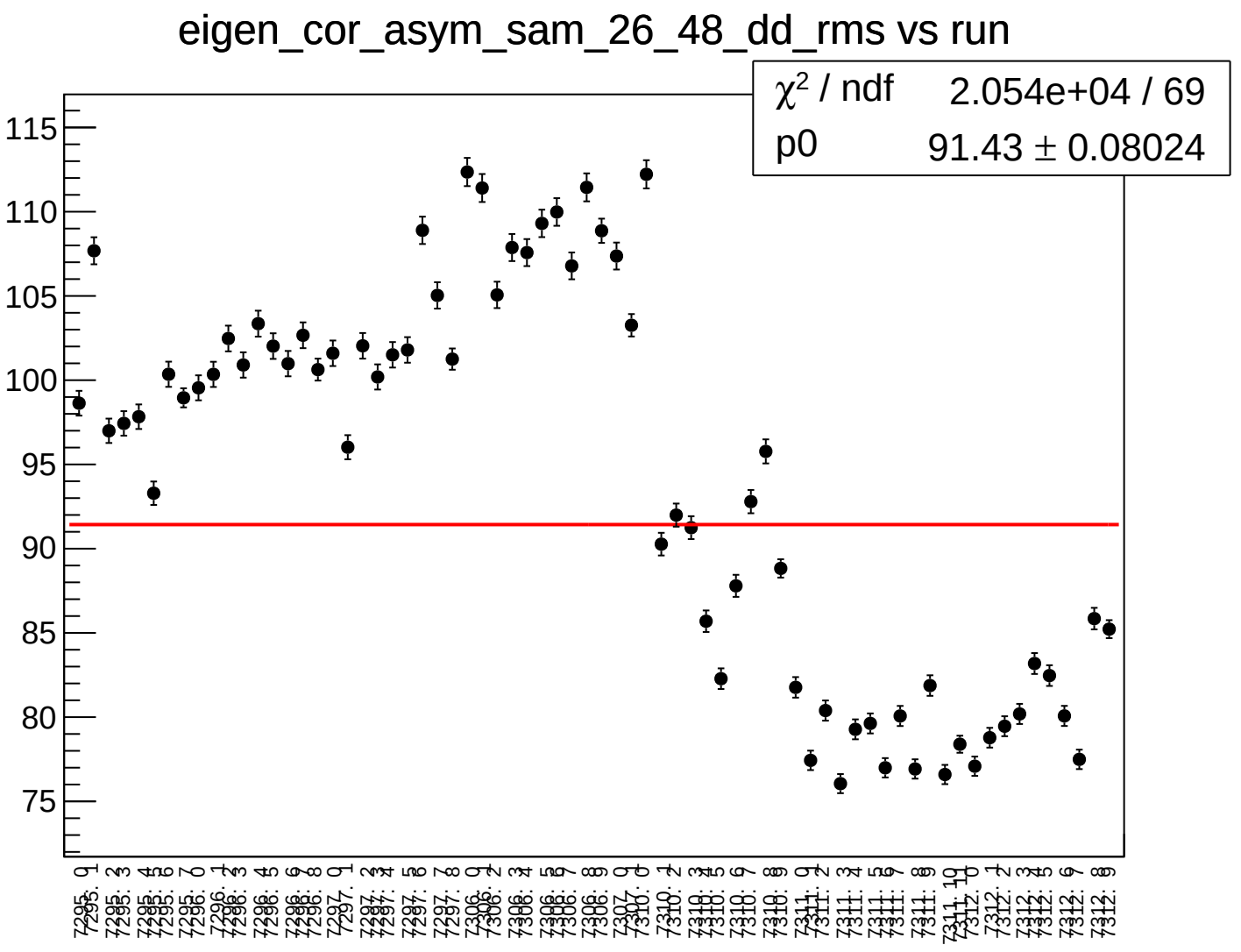

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 64.21 / 69
p0 645.4 ± 574.2
pull
Entries 70
Mean 620.1
Std Dev 0

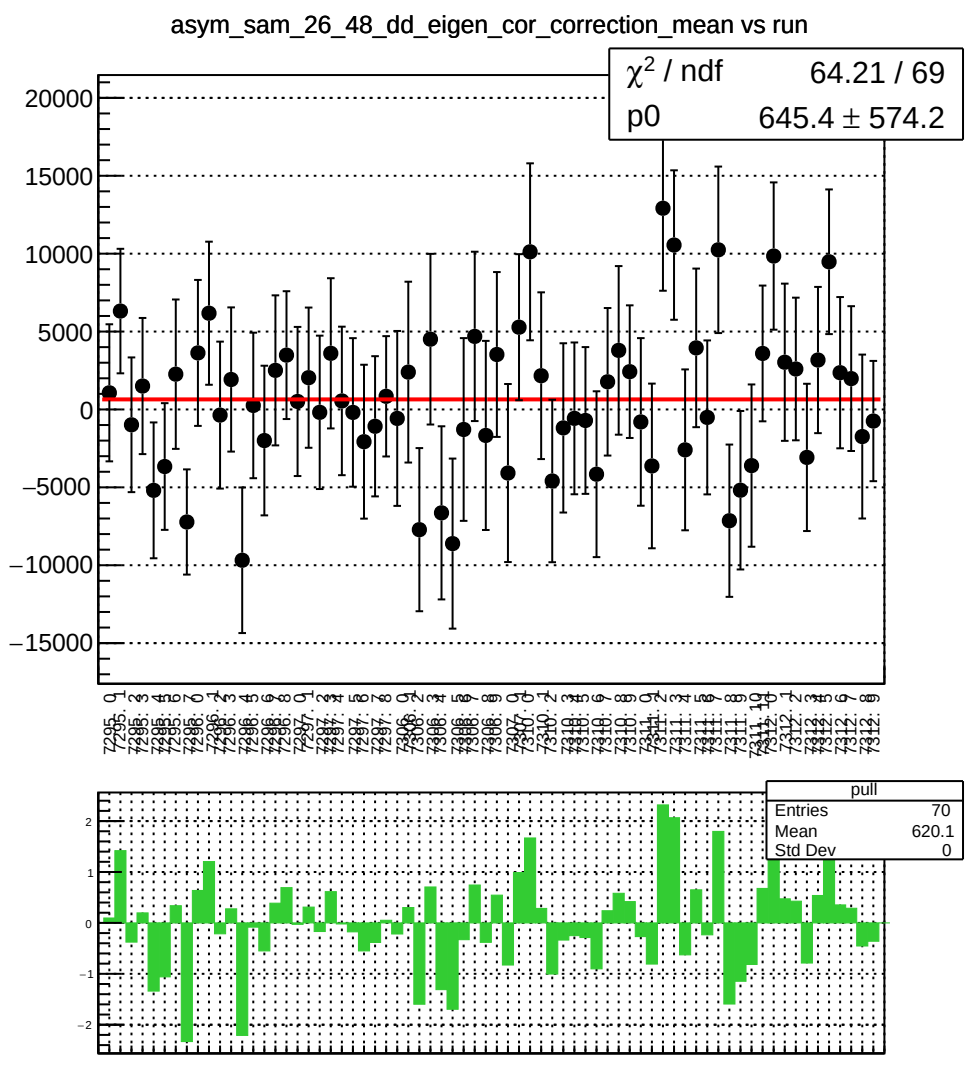

pull1D
Entries 70
Mean 0.005874
Std Dev 0.9577

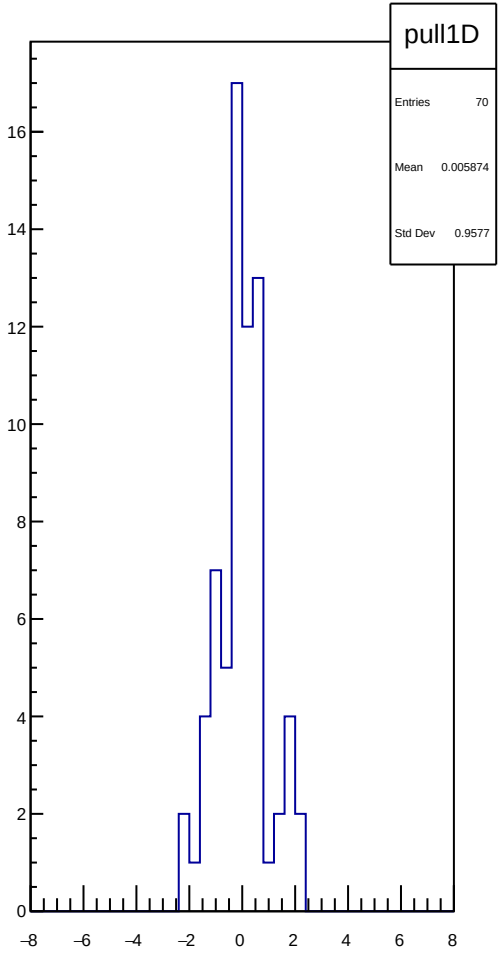

asym_sam_26_48_dd_cor_correction_rms vs run
χ^2 / ndf 1.029e+04 / 69
p0 464.5 ± 0.406
600
550
500
450
400

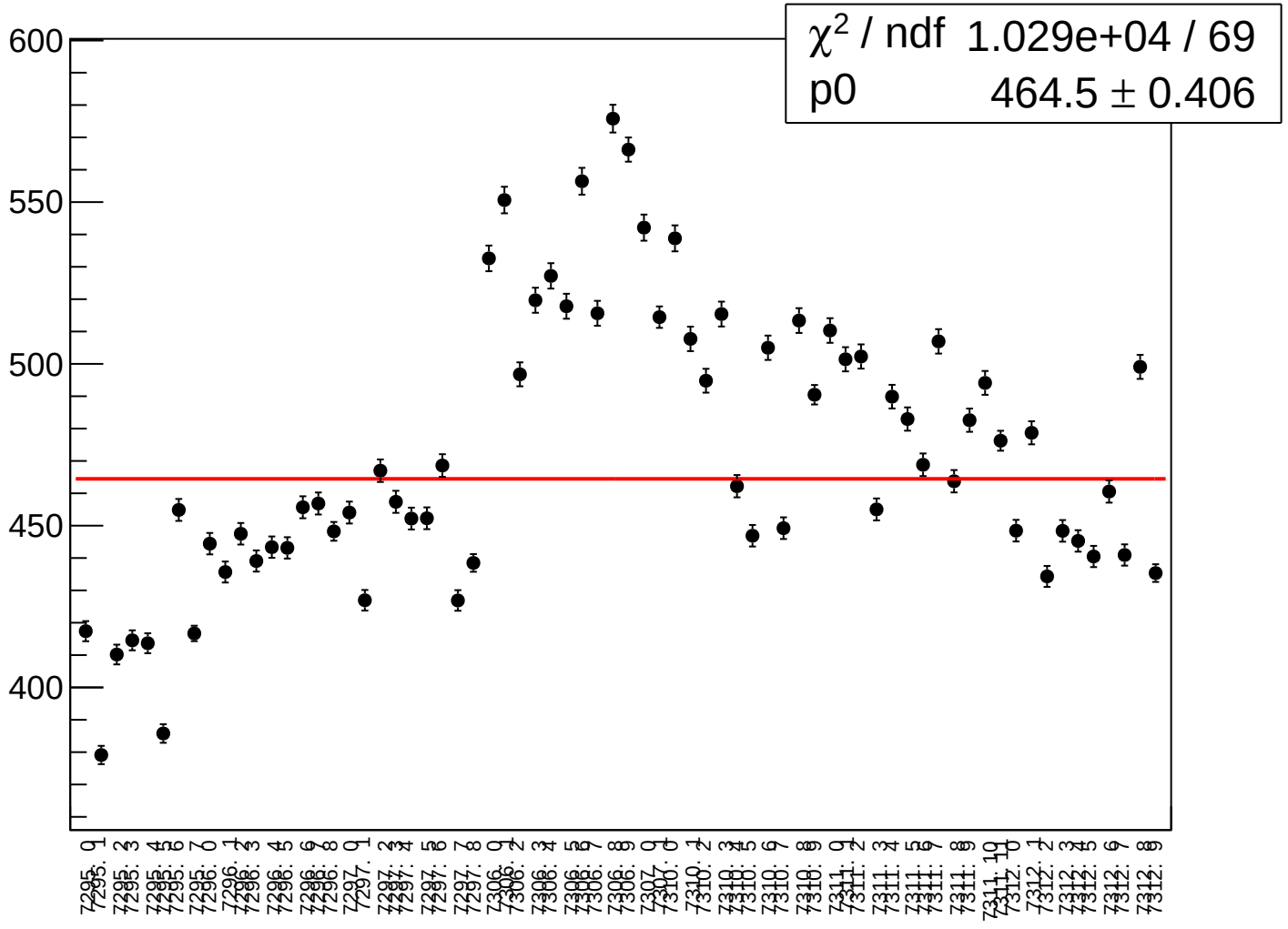

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.09 / 69
p0 −19.16 ± 113.5
pull
Entries 70
Mean 46.78
Std Dev 0

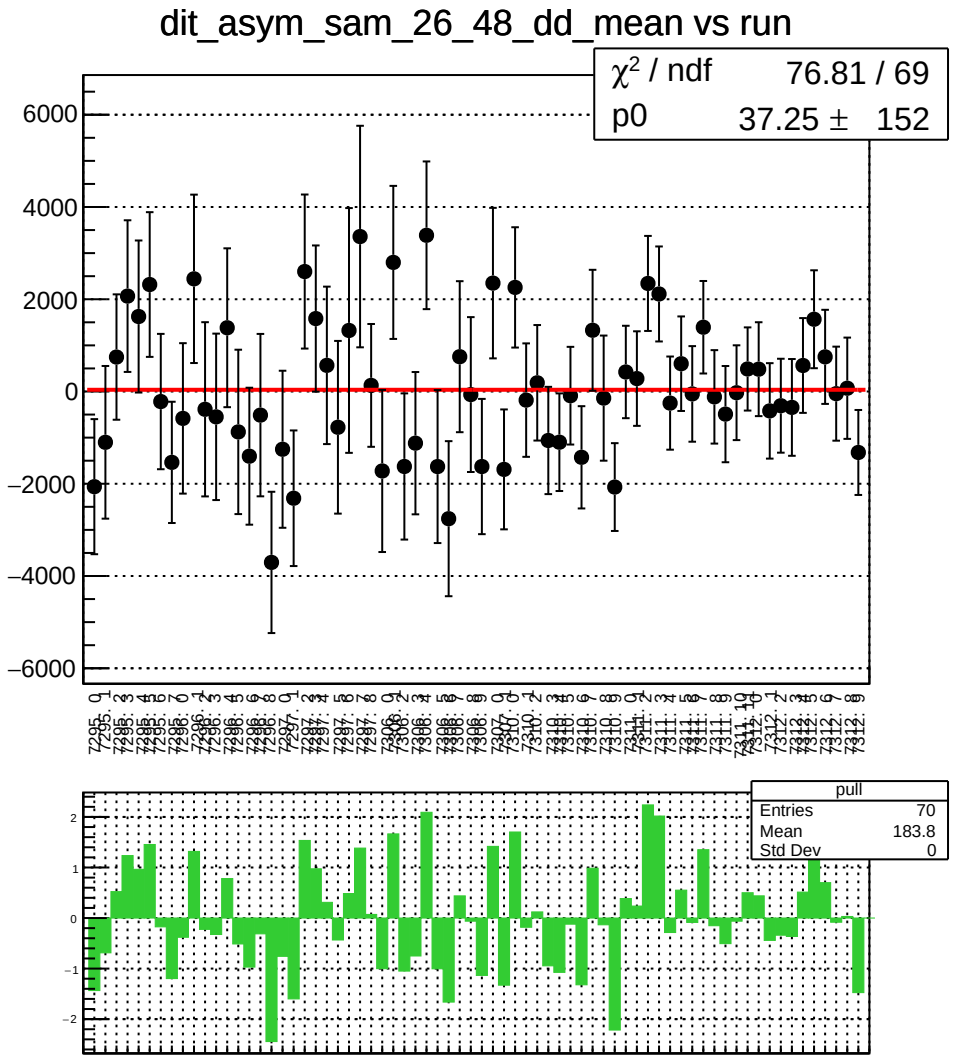

pull1D
Entries 70
Mean 0.02473
Std Dev 0.9415

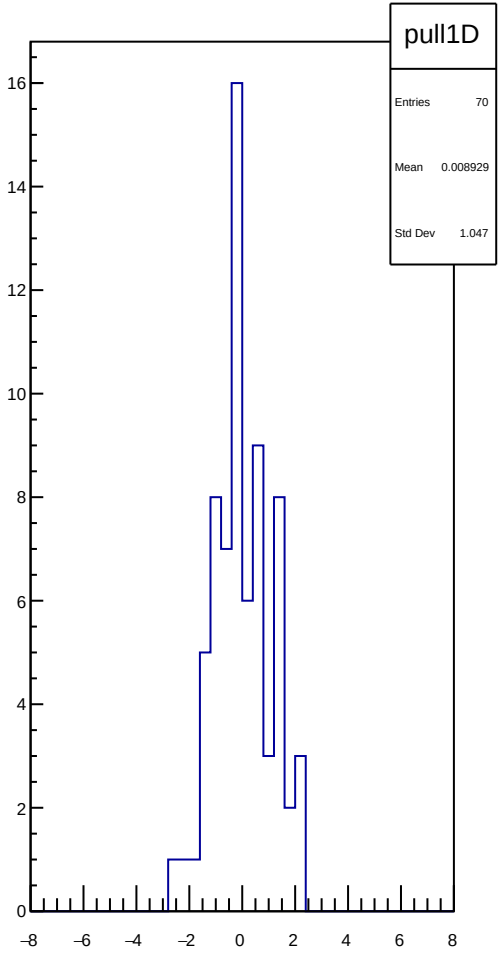

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.054e+04 / 69
p0 91.43 ± 0.08024
115
110
105
100
95
90
85
80
75

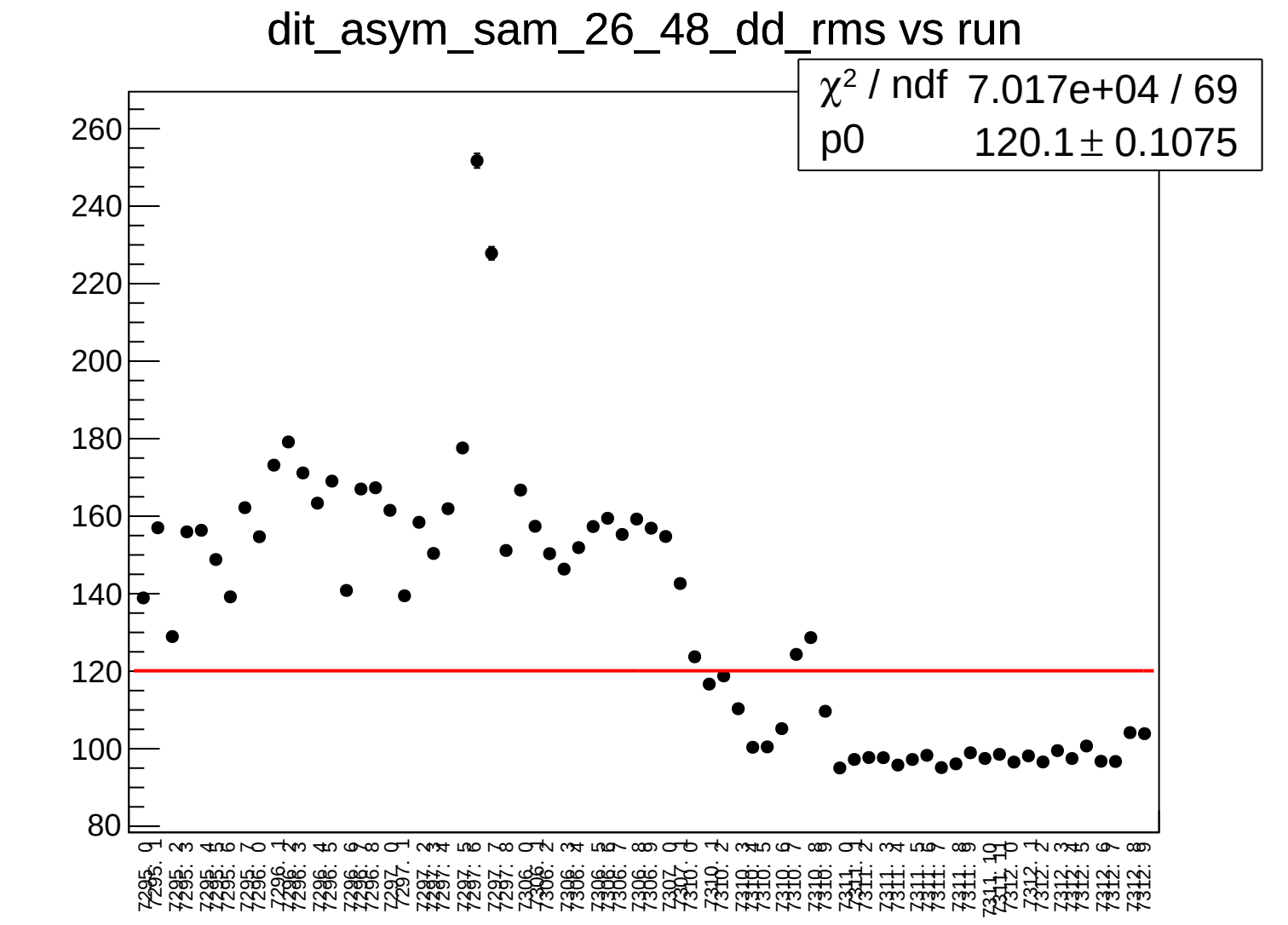

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.21 / 69
p0 645.4 ± 574.2
pull
Entries 70
Mean 620.1
Std Dev 0

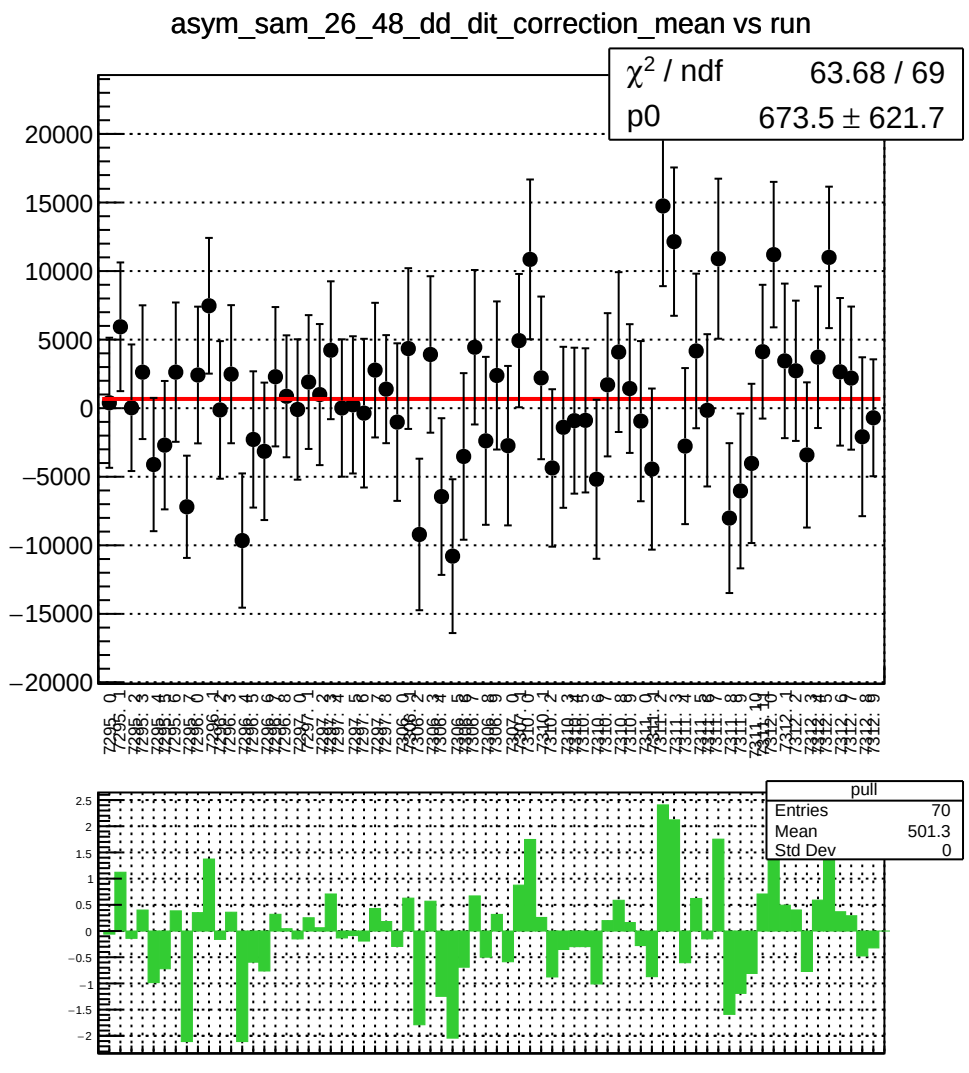

pull1D
Entries 70
Mean 0.005874
Std Dev 0.9577

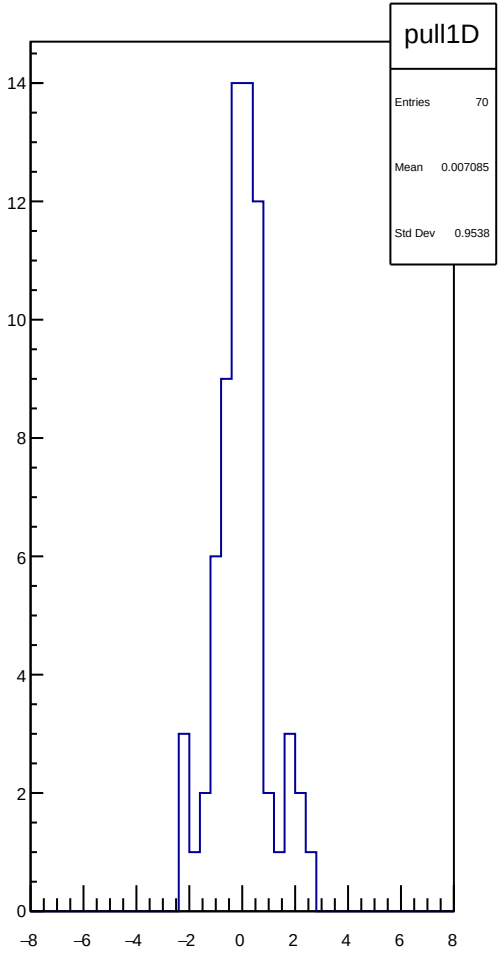

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.029e+04 / 69
p0 464.5 ± 0.406
600
550
500
450
400

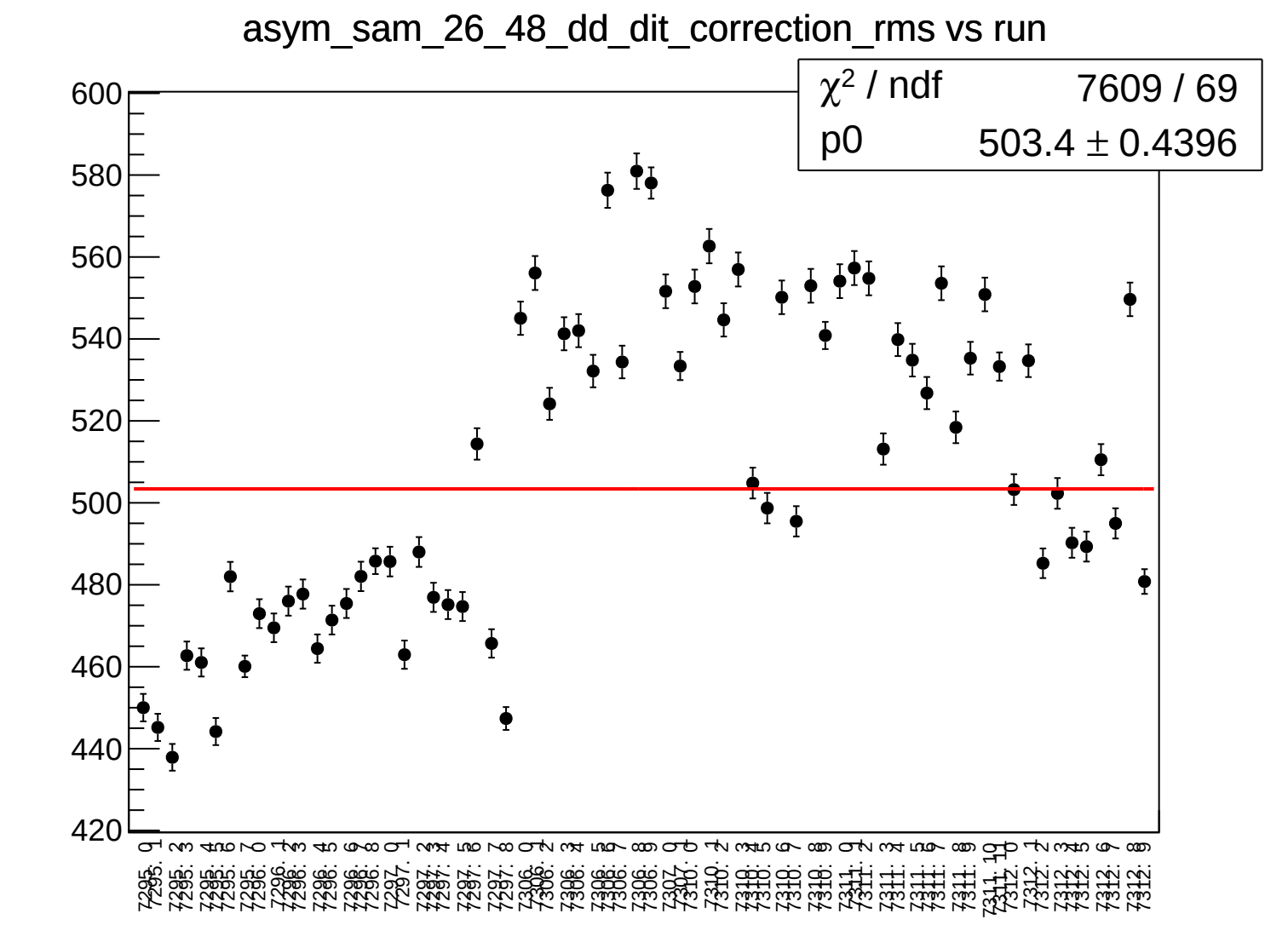

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 76.81 / 69
p0 37.25 ± 152
pull
Entries 70
Mean 183.8
Std Dev 0

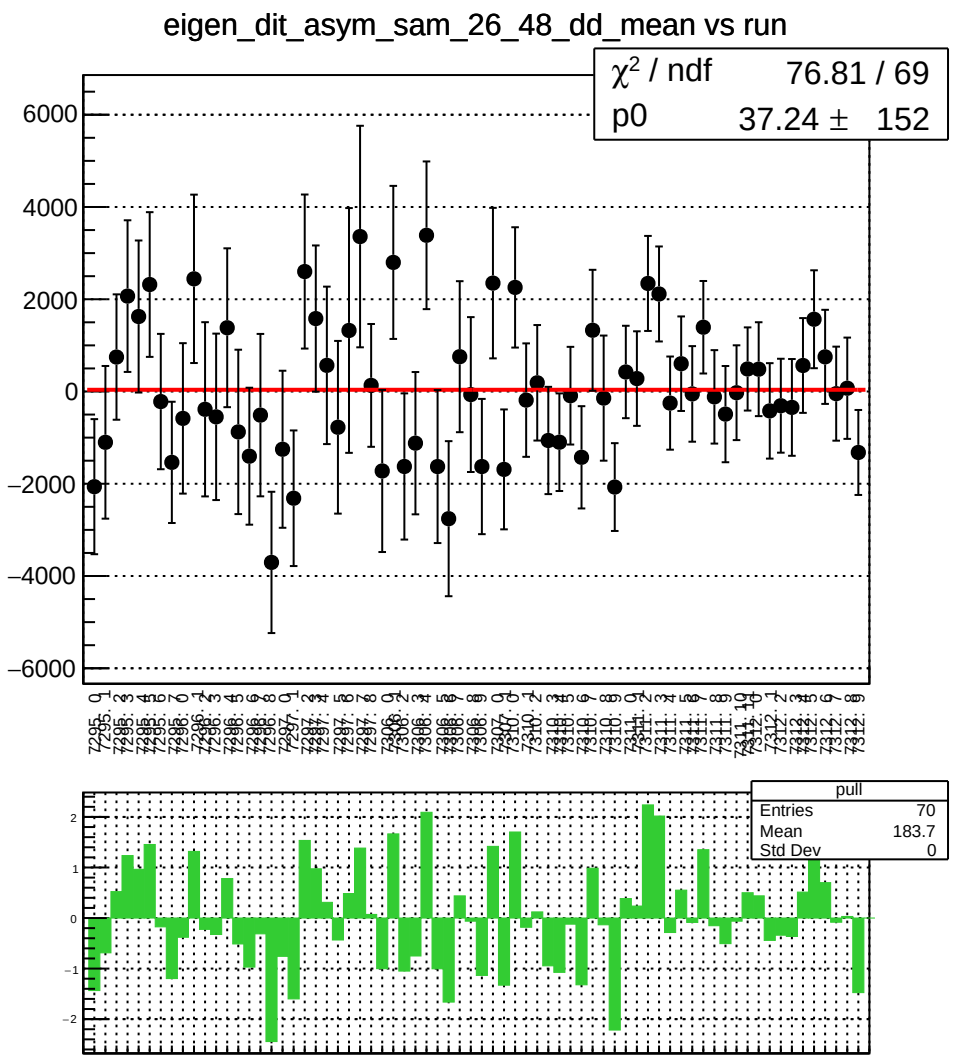

pull1D
Entries 70
Mean 0.008929
Std Dev 1.047

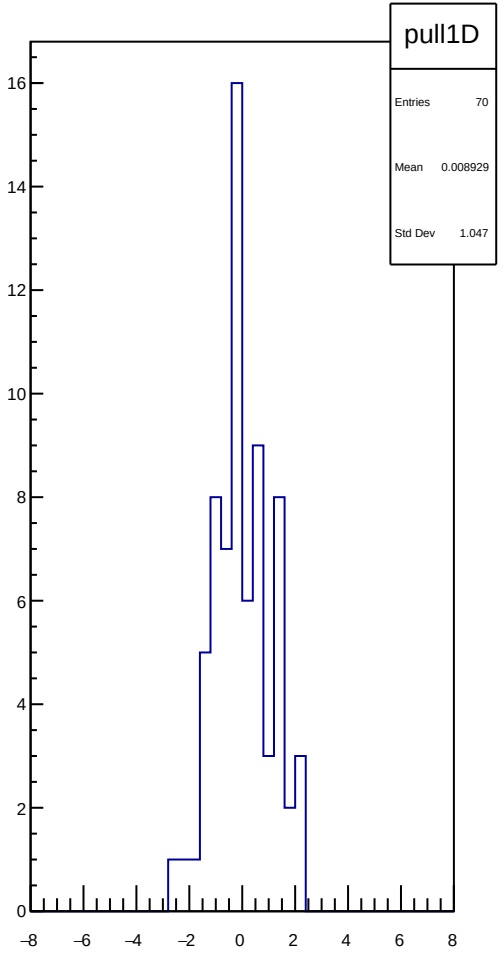

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7.017e+04 / 69
p0 120.1 ± 0.1075
260
240
220
200
180
160
140
120
100
80

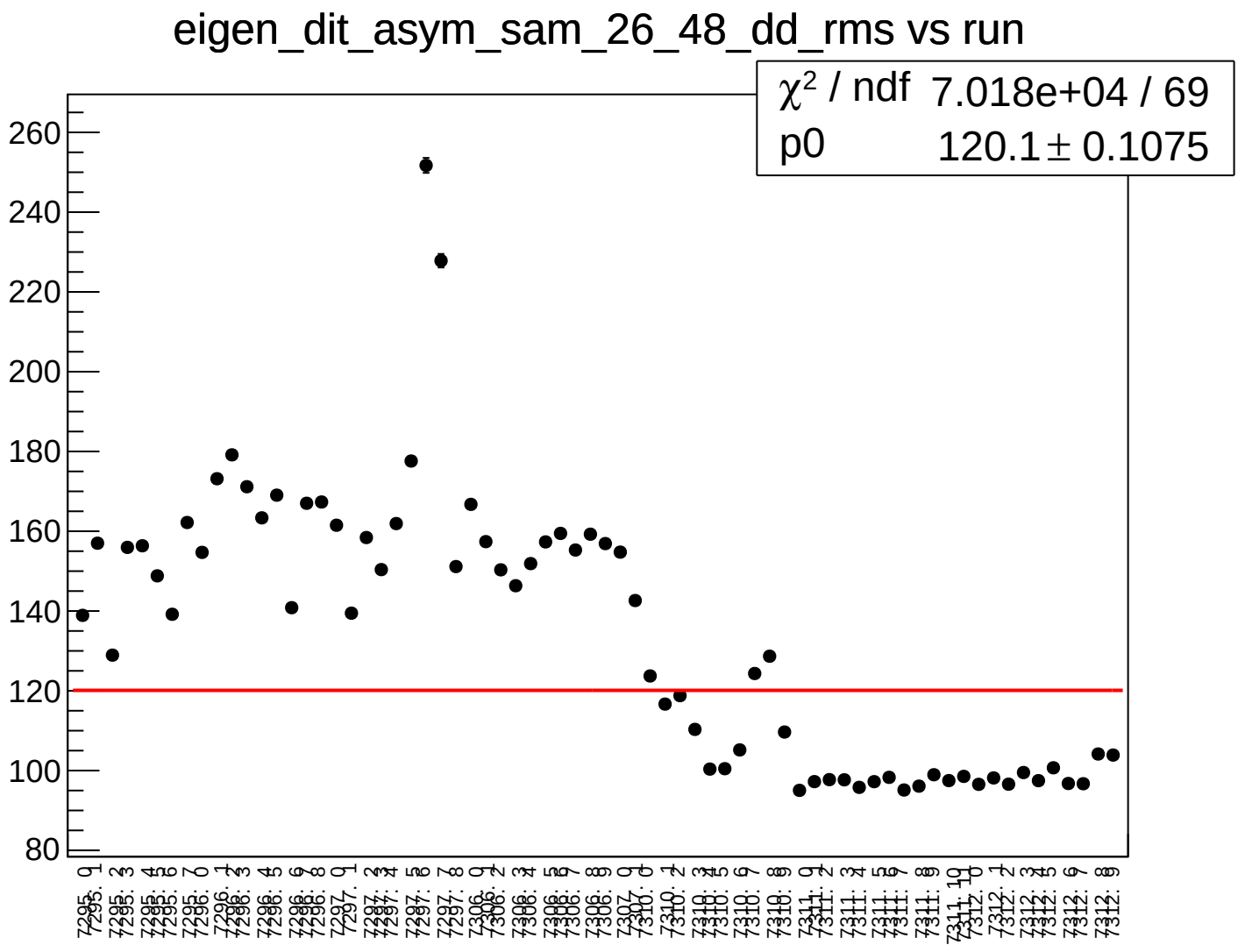

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 63.68 / 69
p0 673.5 ± 621.7
pull
Entries 70
Mean 501.3
Std Dev 0

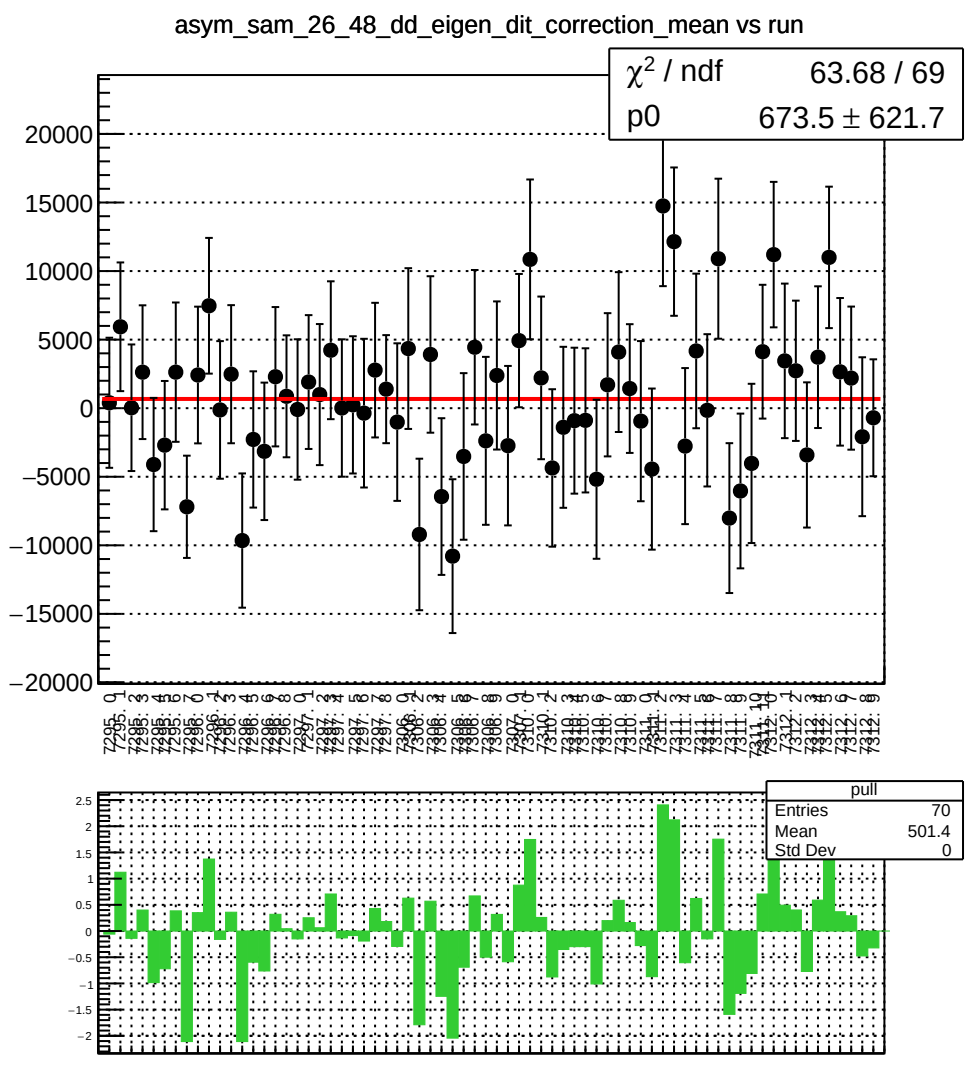

pull1D
Entries 70
Mean 0.007085
Std Dev 0.9538

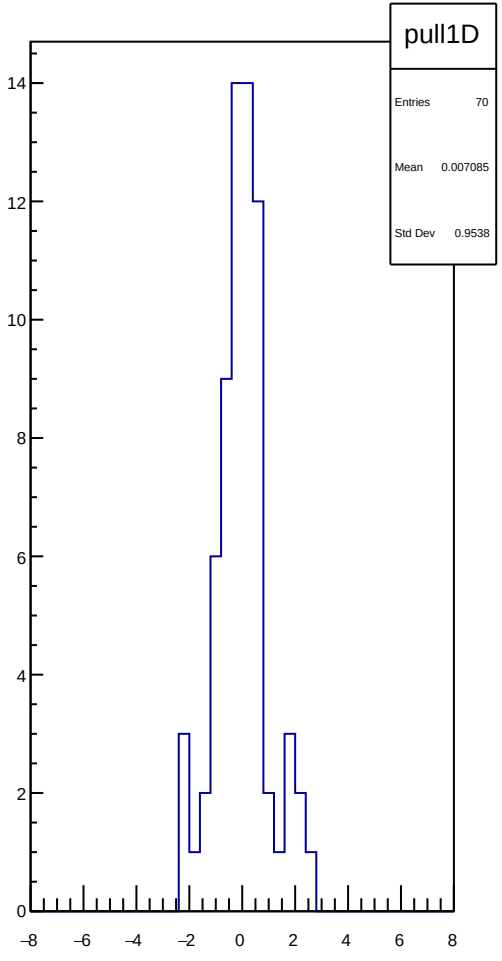

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 7609 / 69
p0 503.4 ± 0.4396
600
580
560
540
520
500
480
460
440
420

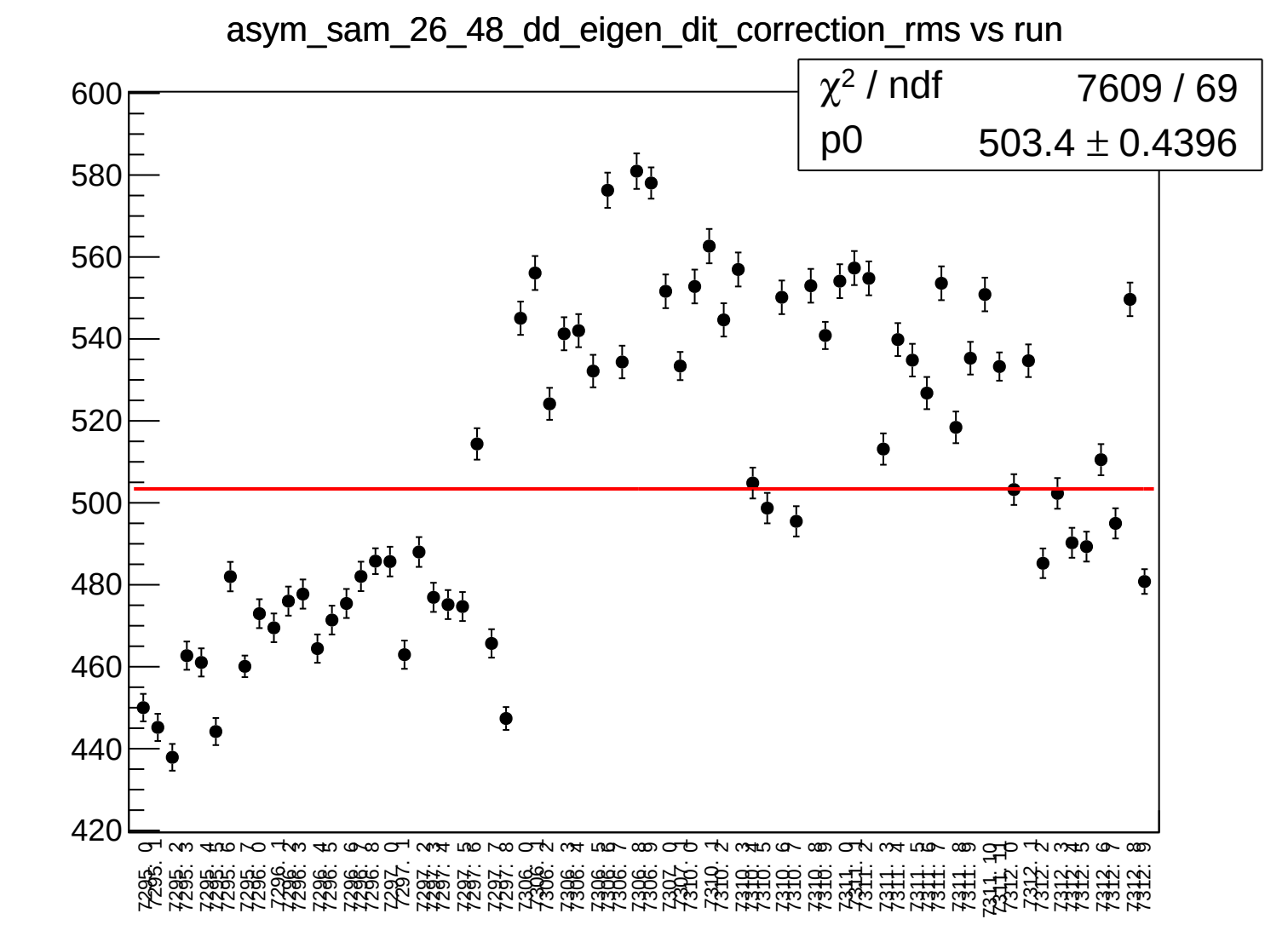

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 76.81 / 69
p0 37.24 ± 152
pull
Entries 70
Mean 183.7
Std Dev 0

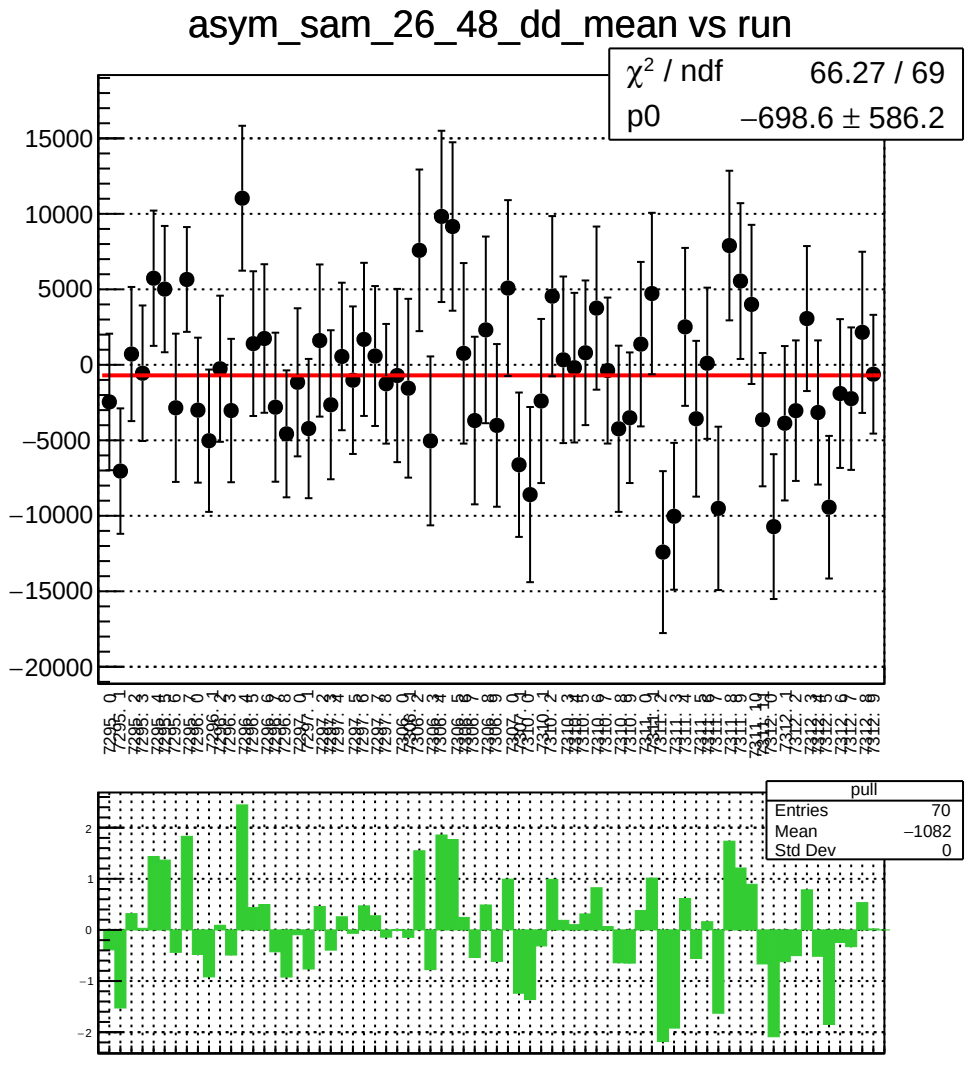

pull1D
Entries 70
Mean 0.008929
Std Dev 1.047

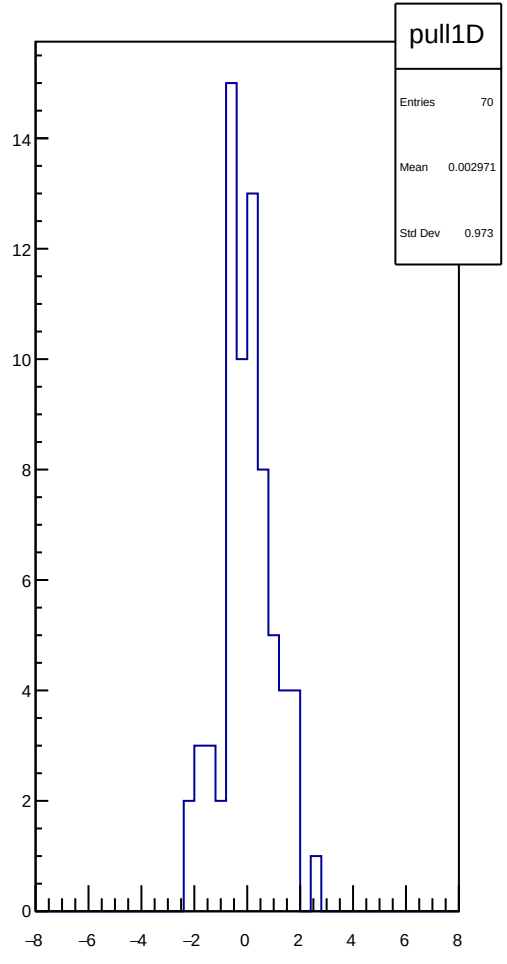

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7.018e+04 / 69
p0 120.1 ± 0.1075
260
240
220
200
180
160
140
120
100
80

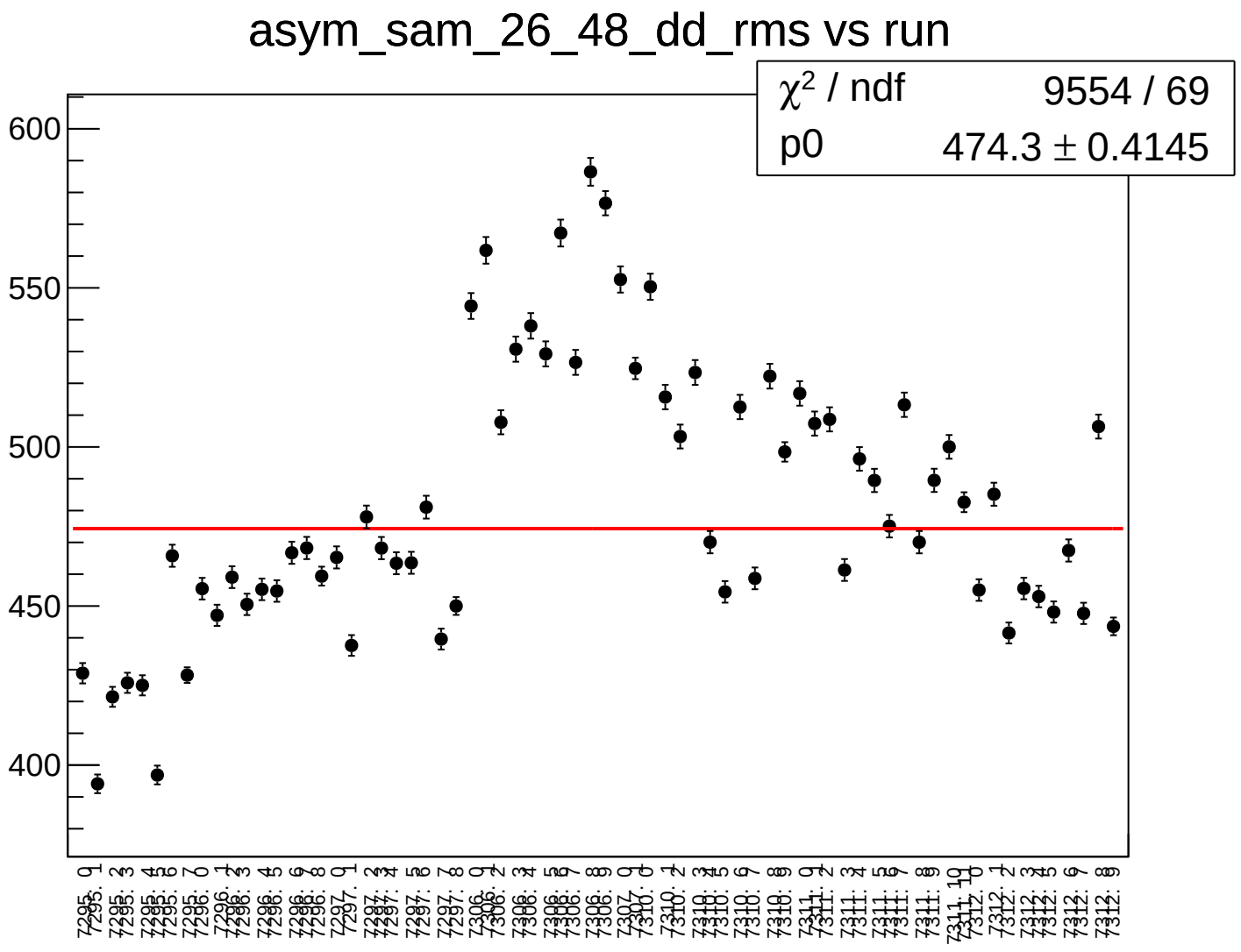

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.68 / 69
p0 673.5 ± 621.7
pull
Entries 70
Mean 501.4
Std Dev 0

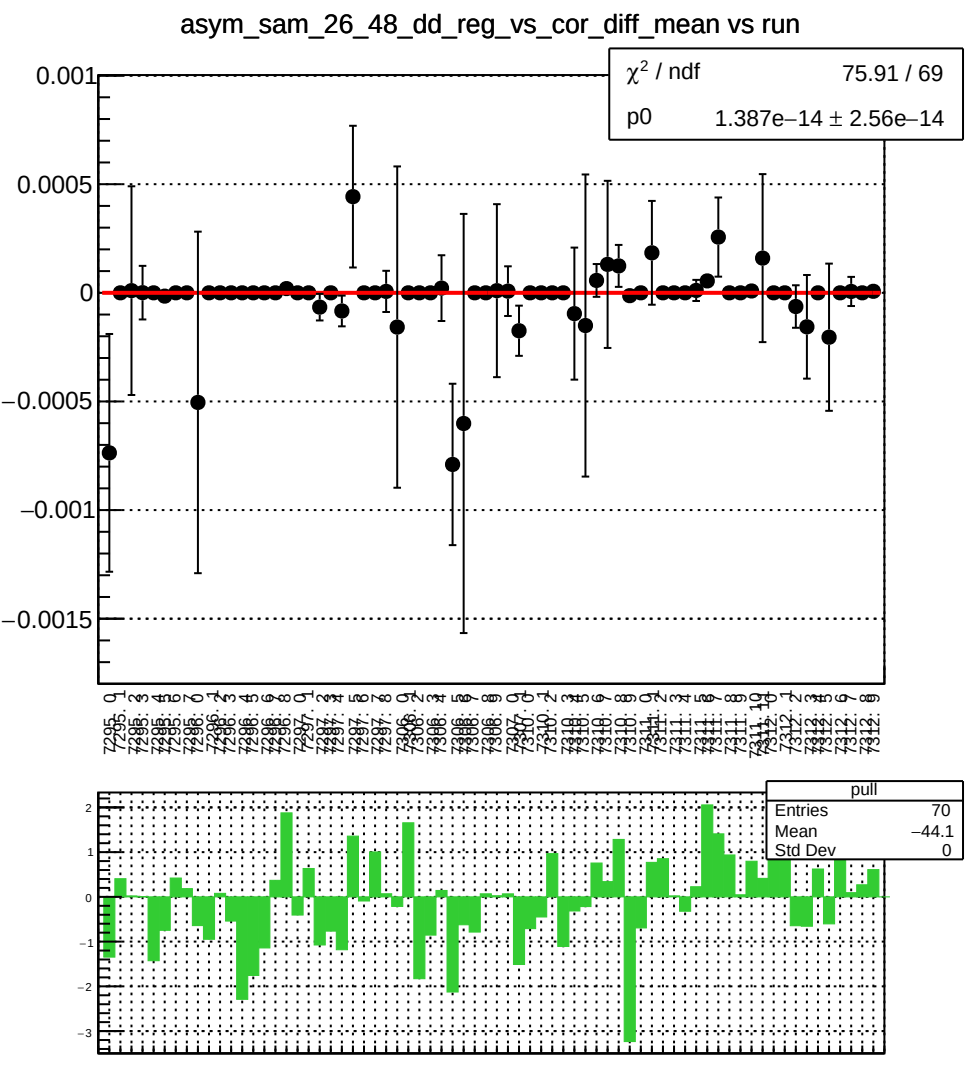

pull1D
Entries 70
Mean 0.007085
Std Dev 0.9538

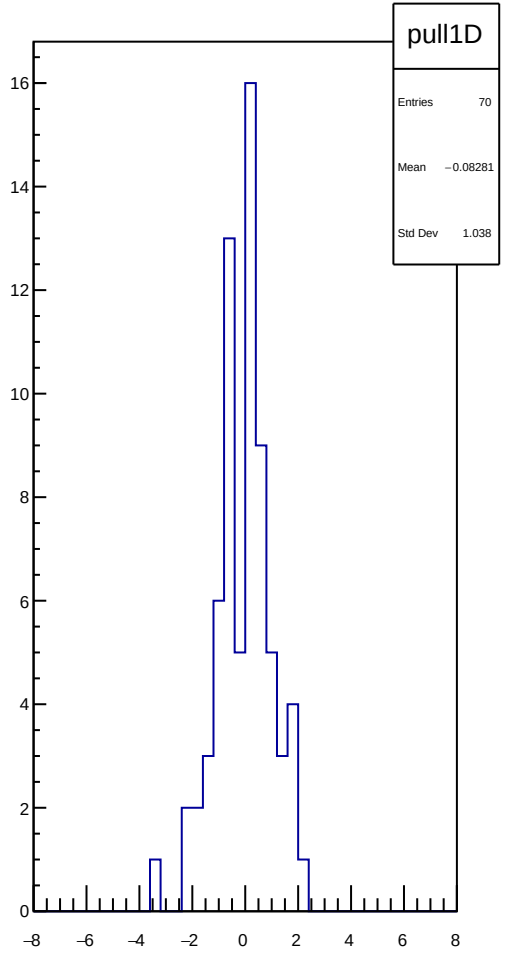

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 7609 / 69
p0 503.4 ± 0.4396
600
580
560
540
520
500
480
460
440
420

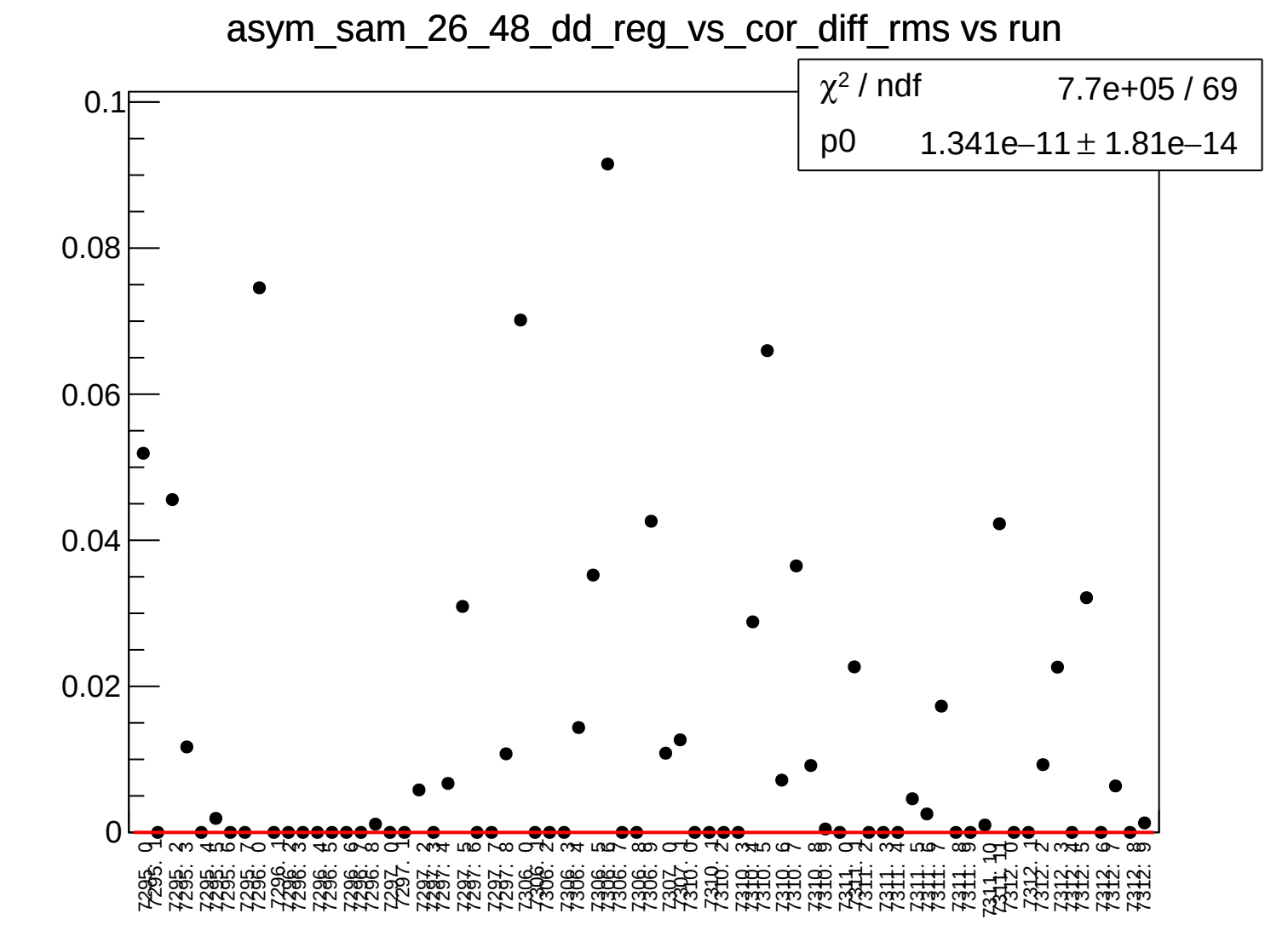

asym_sam_26_48_dd_mean vs run
χ² / ndf 66.27 / 69
p0 −698.6 ± 586.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 70
Mean −1082
Std Dev 0
2
1
0
−1
−2

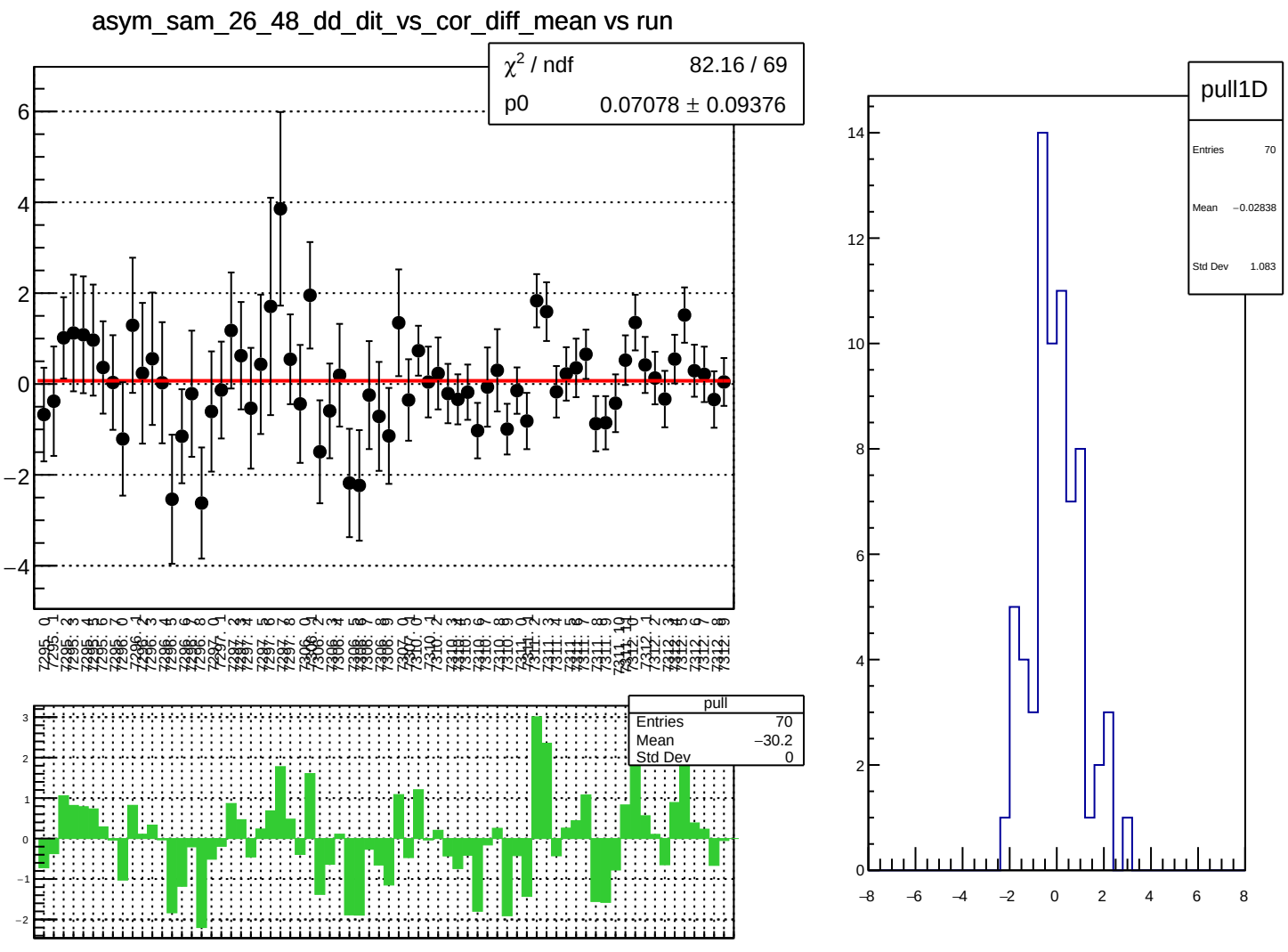

pull1D
Entries 70
Mean 0.002971
Std Dev 0.973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

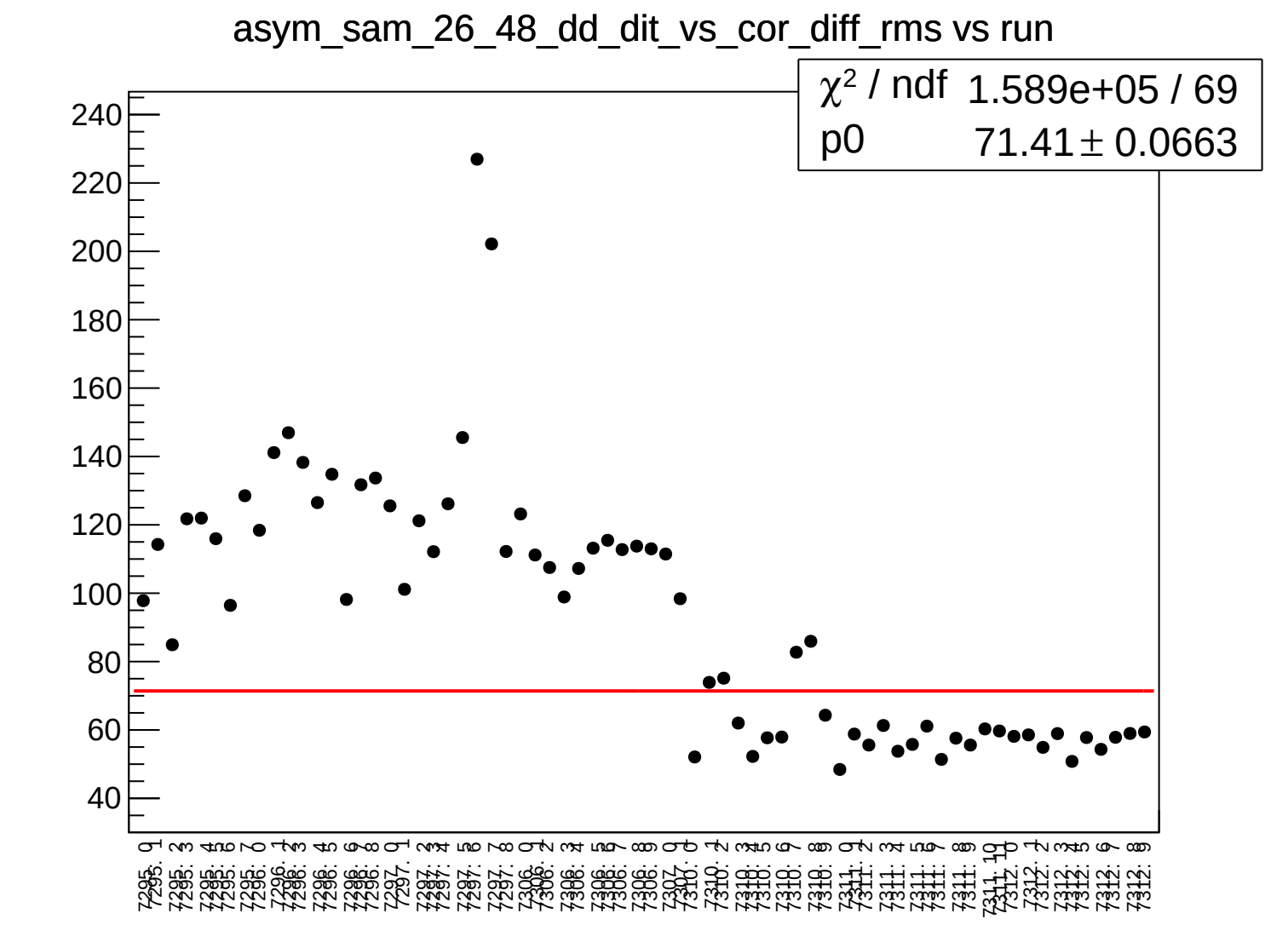

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 9554 / 69
p0 474.3 ± 0.4145
600
550
500
450
400

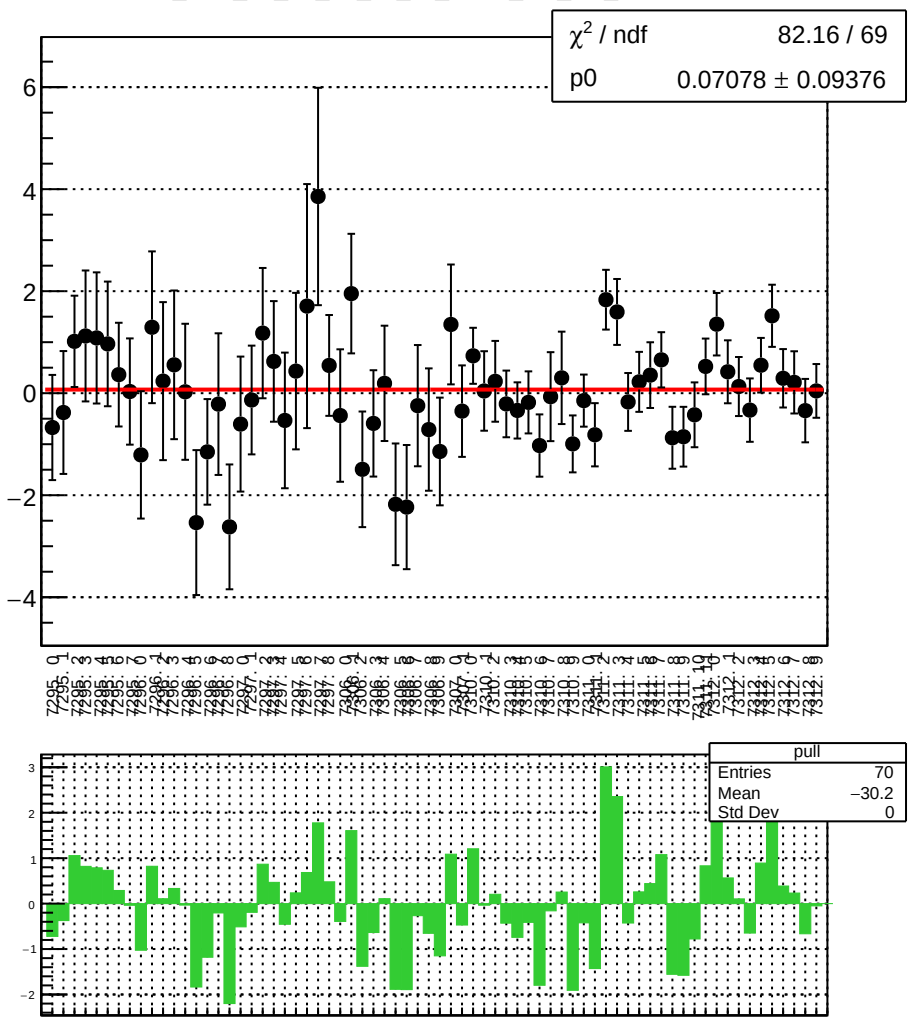

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 75.91 / 69
p0 1.387e−14 ± 2.56e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 70
Mean −44.1
Std Dev 0
2
1
0
−1
−2
−3

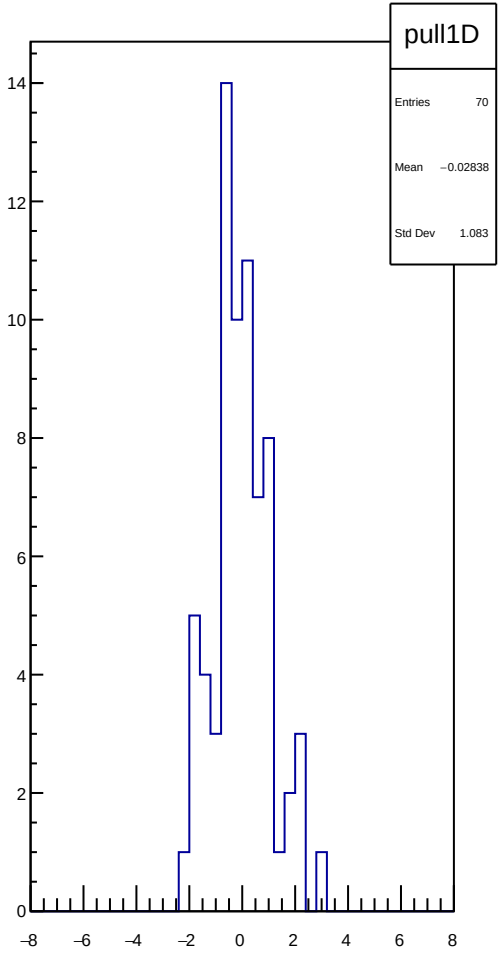

pull1D
Entries 70
Mean −0.08281
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

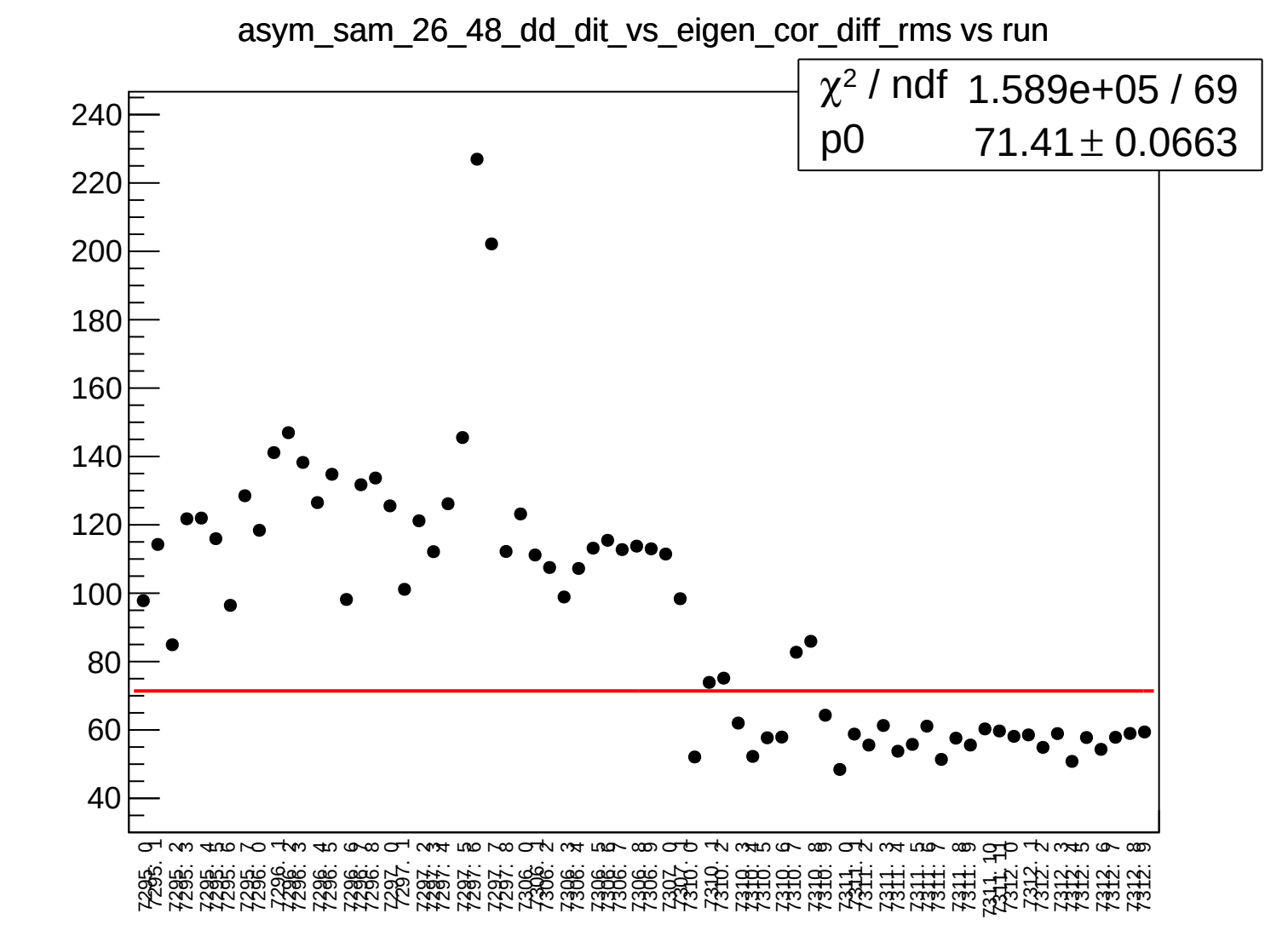

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.7e+05 / 69
p0 1.341e−11 ± 1.81e−14
0.1
0.08
0.06
0.04
0.02
0

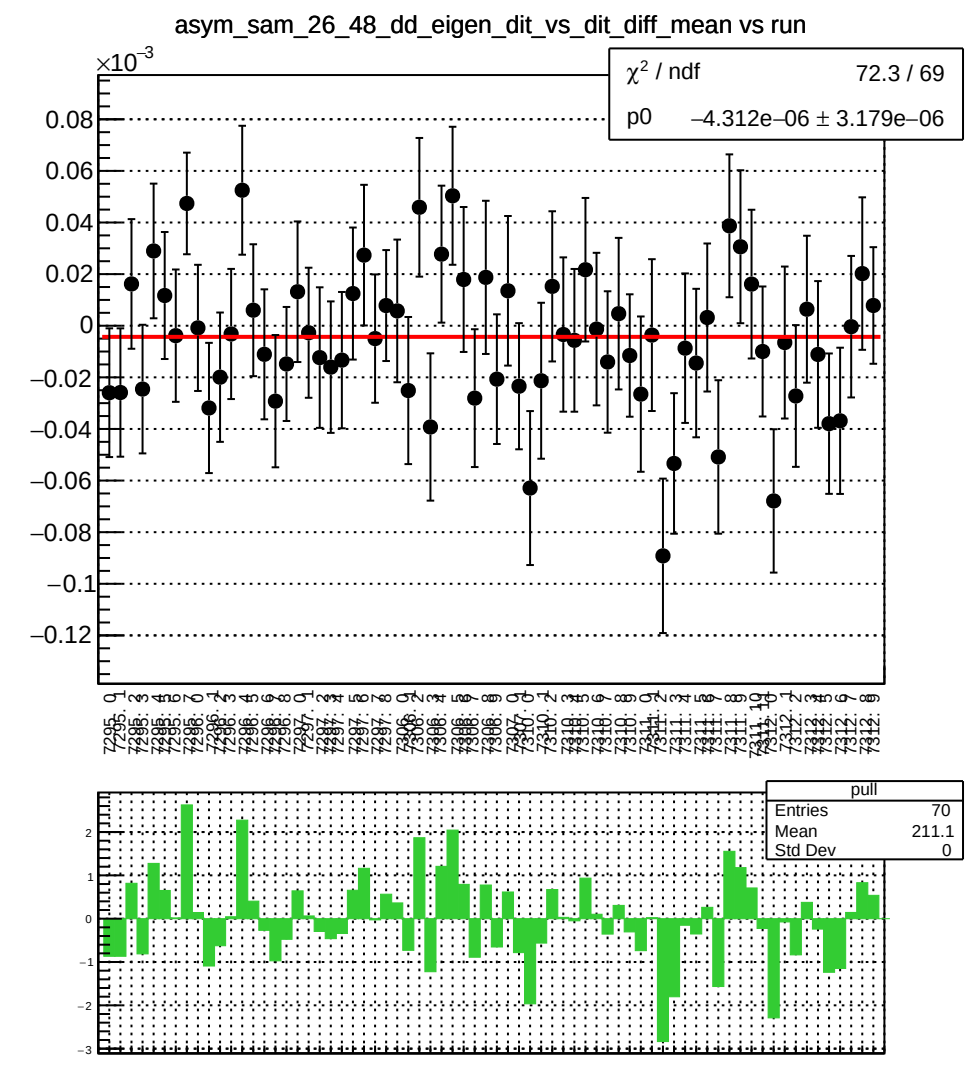

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.16 / 69
p0 0.07078 ± 0.09376
pull
Entries 70
Mean −30.2
Std Dev 0
pull1D
Entries 70
Mean −0.02838
Std Dev 1.083

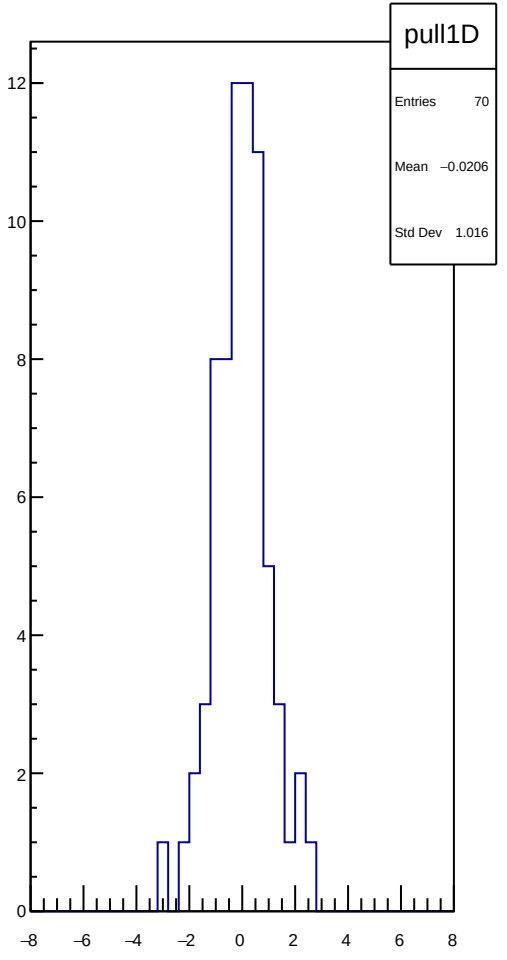

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.589e+05 / 69
p0 71.41 ± 0.0663
240
220
200
180
160
140
120
100
80
60
40

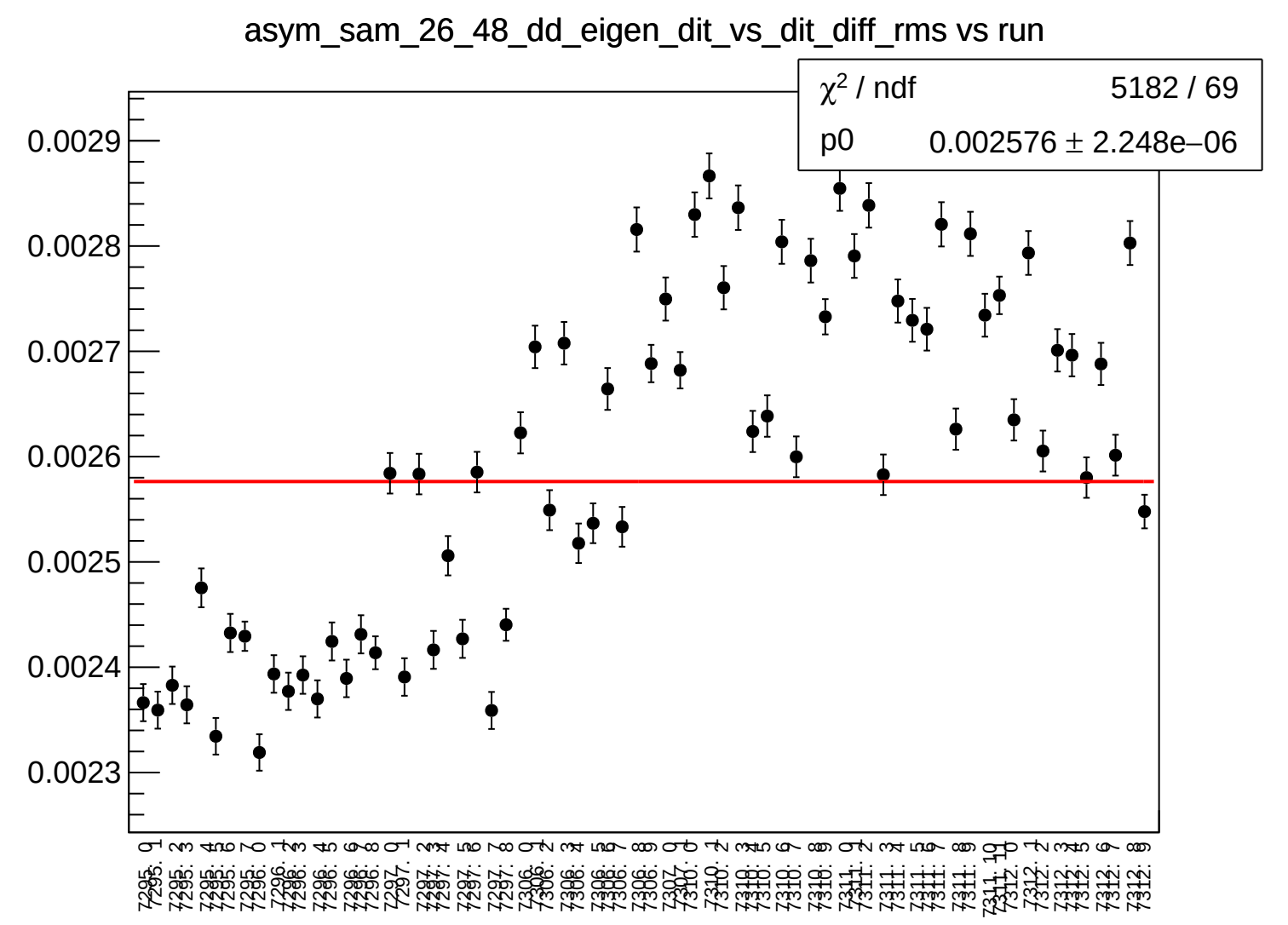

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.16 / 69
p0 0.07078 ± 0.09376
pull
Entries 70
Mean −30.2
Std Dev 0

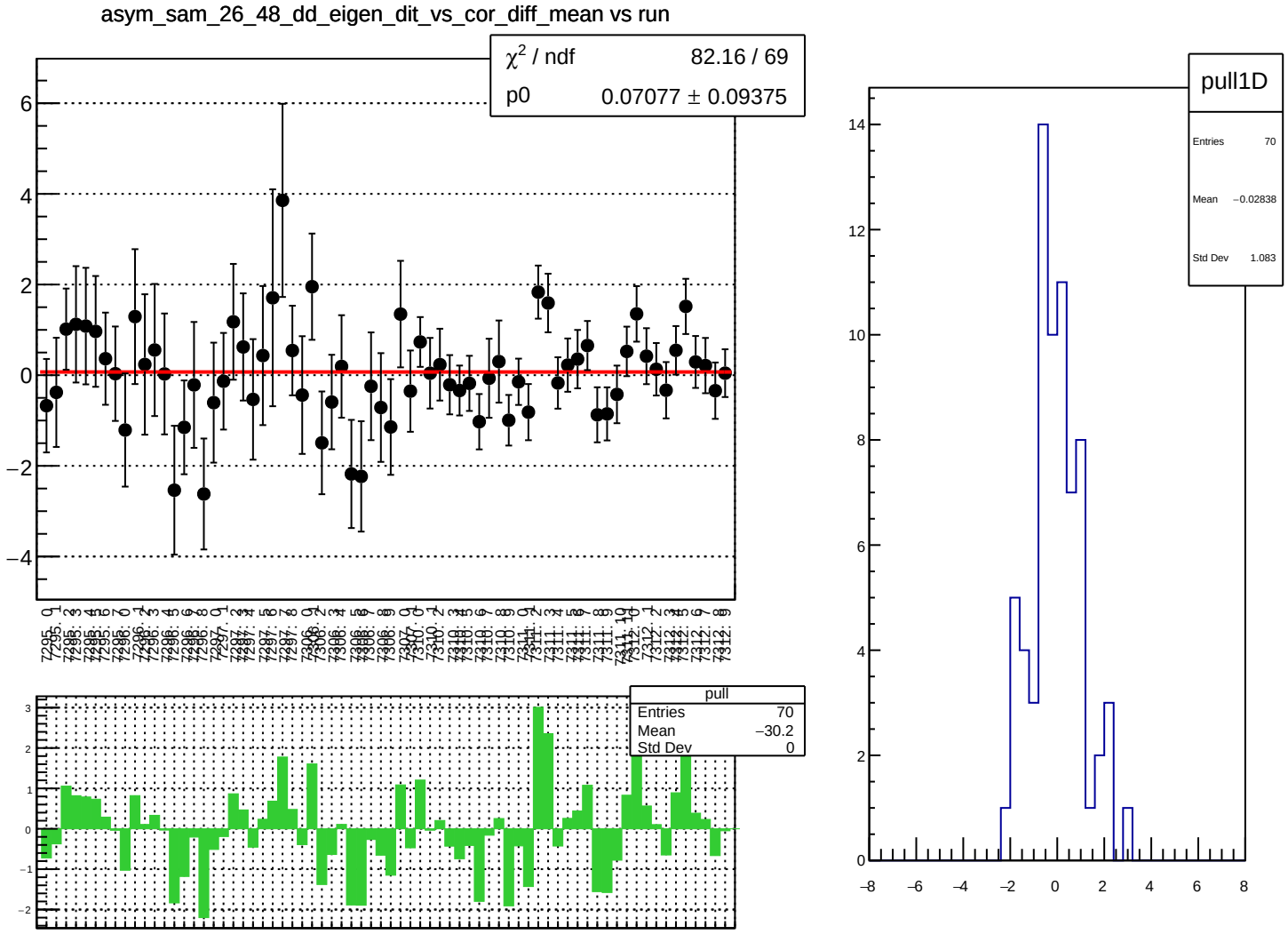

pull1D
Entries 70
Mean −0.02838
Std Dev 1.083

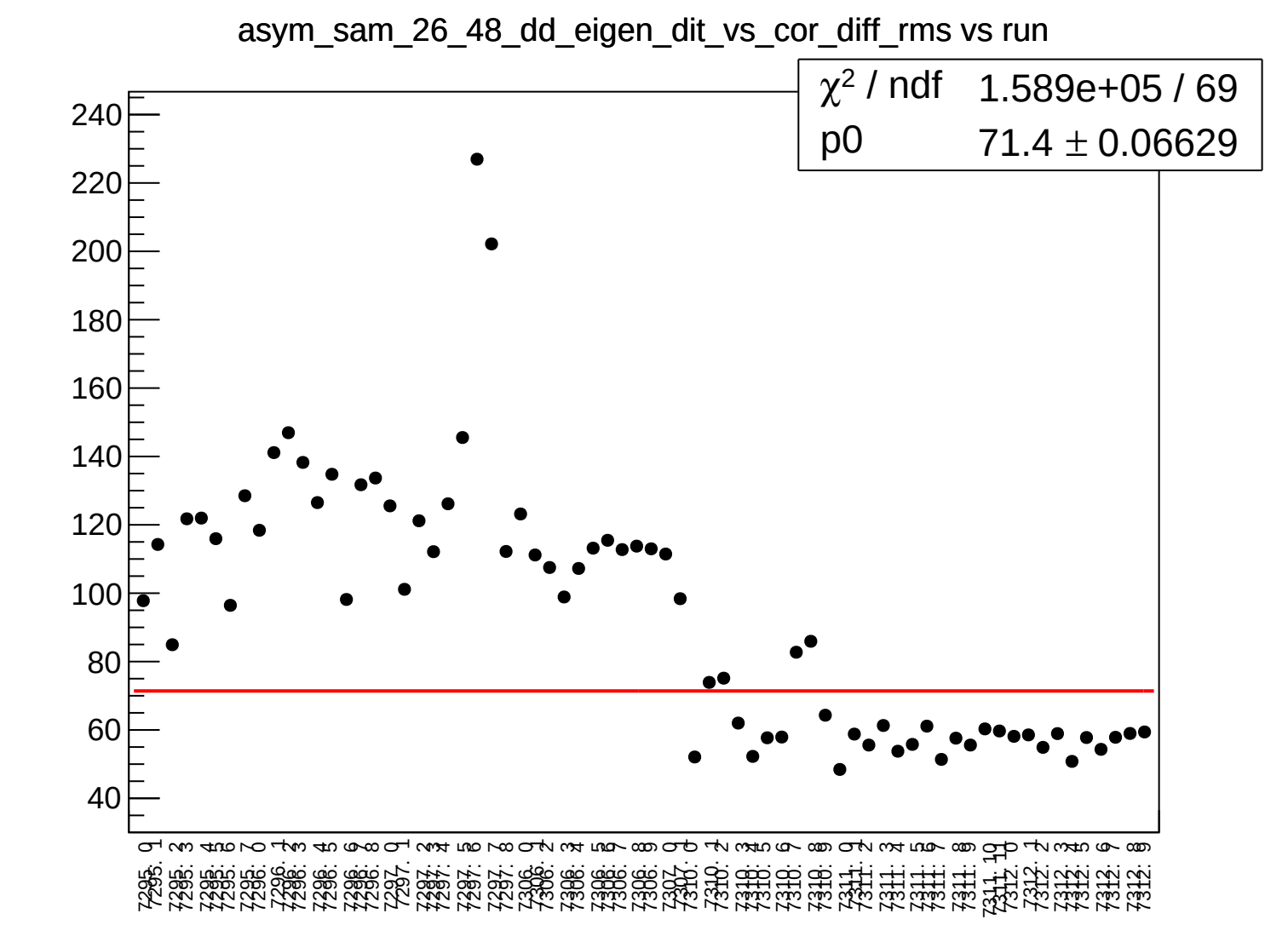

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.589e+05 / 69
p0 71.41 ± 0.0663
240
220
200
180
160
140
120
100
80
60
40


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.3 / 69
p0 −4.312e−06 ± 3.179e−06
pull
Entries 70
Mean 211.1
Std Dev 0

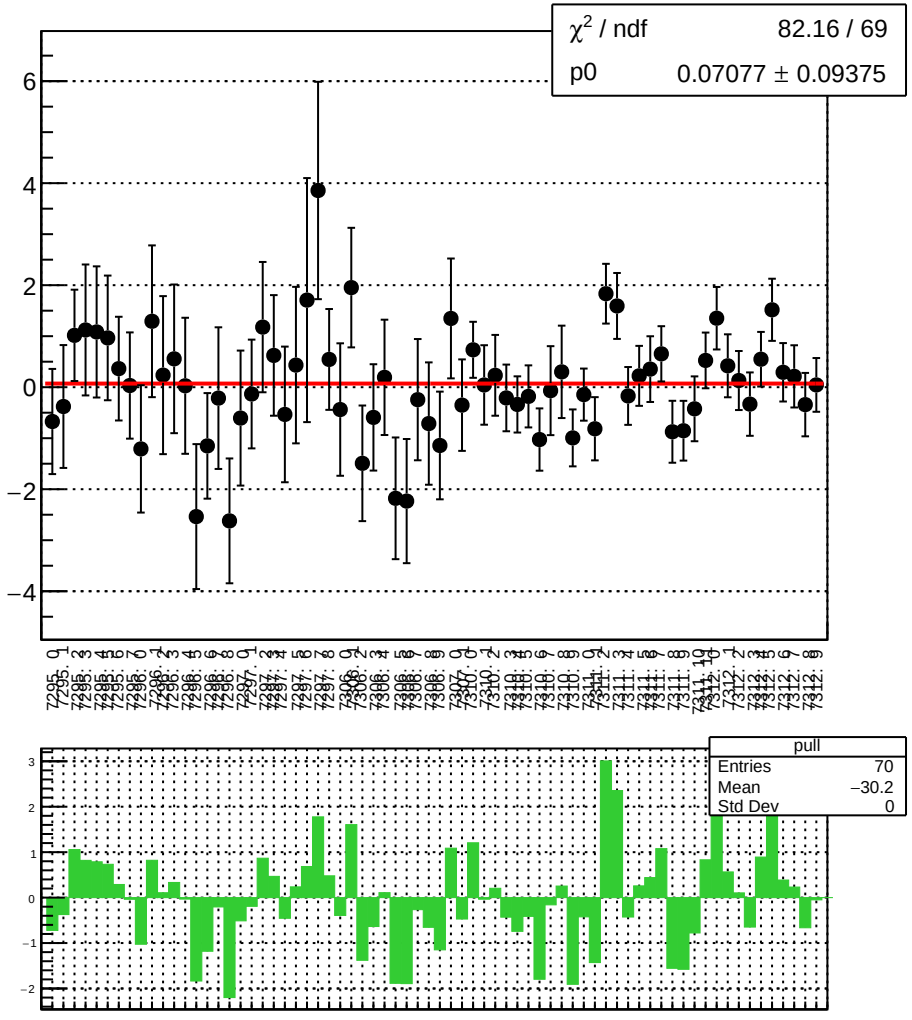

pull1D
Entries 70
Mean −0.0206
Std Dev 1.016

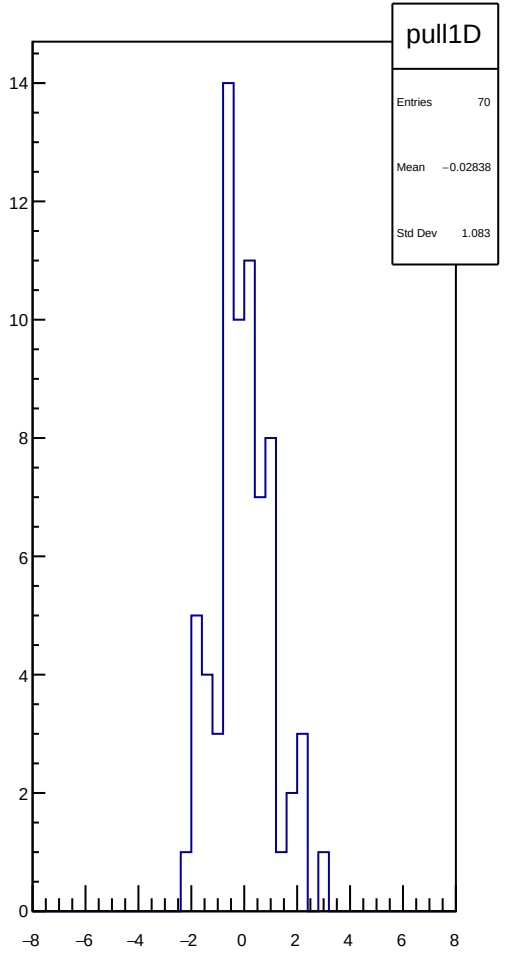

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5182 / 69
p0 0.002576 ± 2.248e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

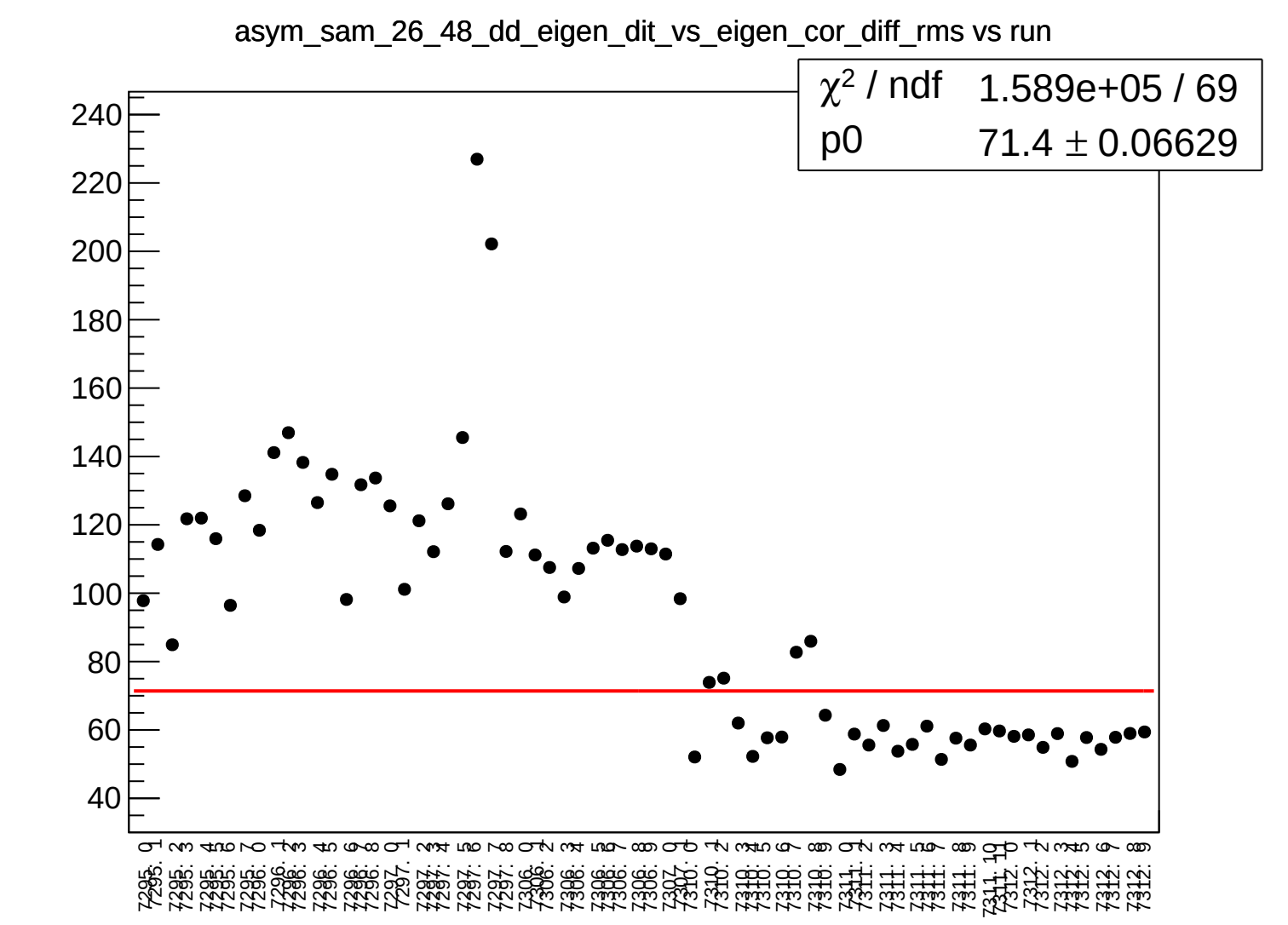

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.16 / 69
p0 0.07077 ± 0.09375
pull
Entries 70
Mean −30.2
Std Dev 0
pull1D
Entries 70
Mean −0.02838
Std Dev 1.083

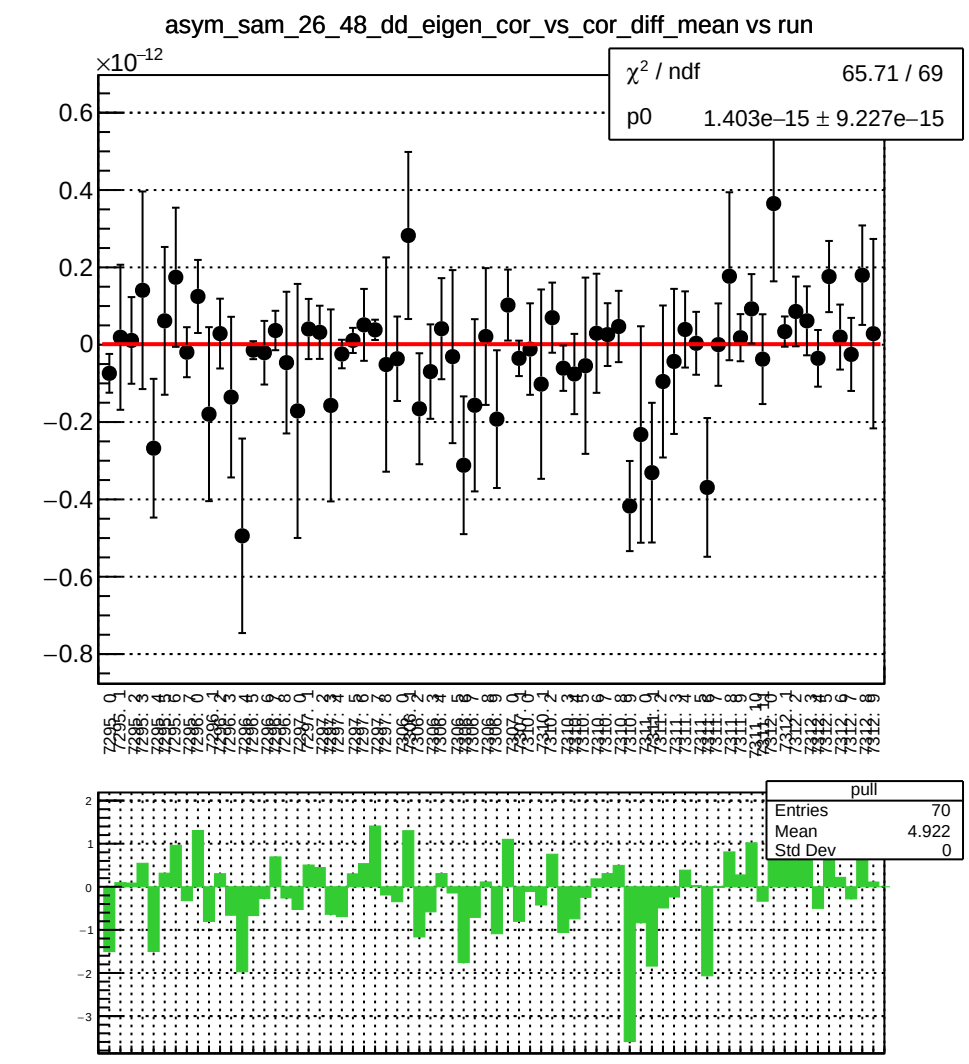

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.589e+05 / 69
p0 71.4 ± 0.06629
240
220
200
180
160
140
120
100
80
60
40

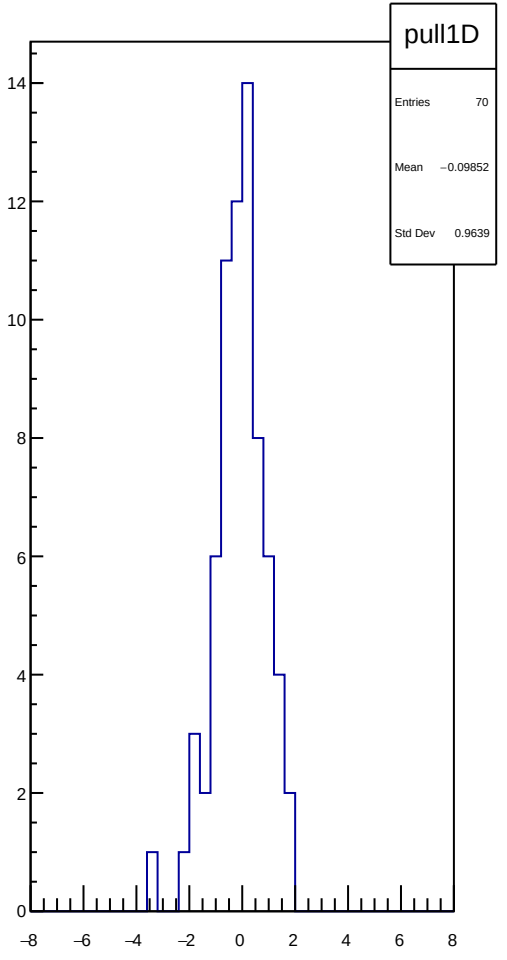
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

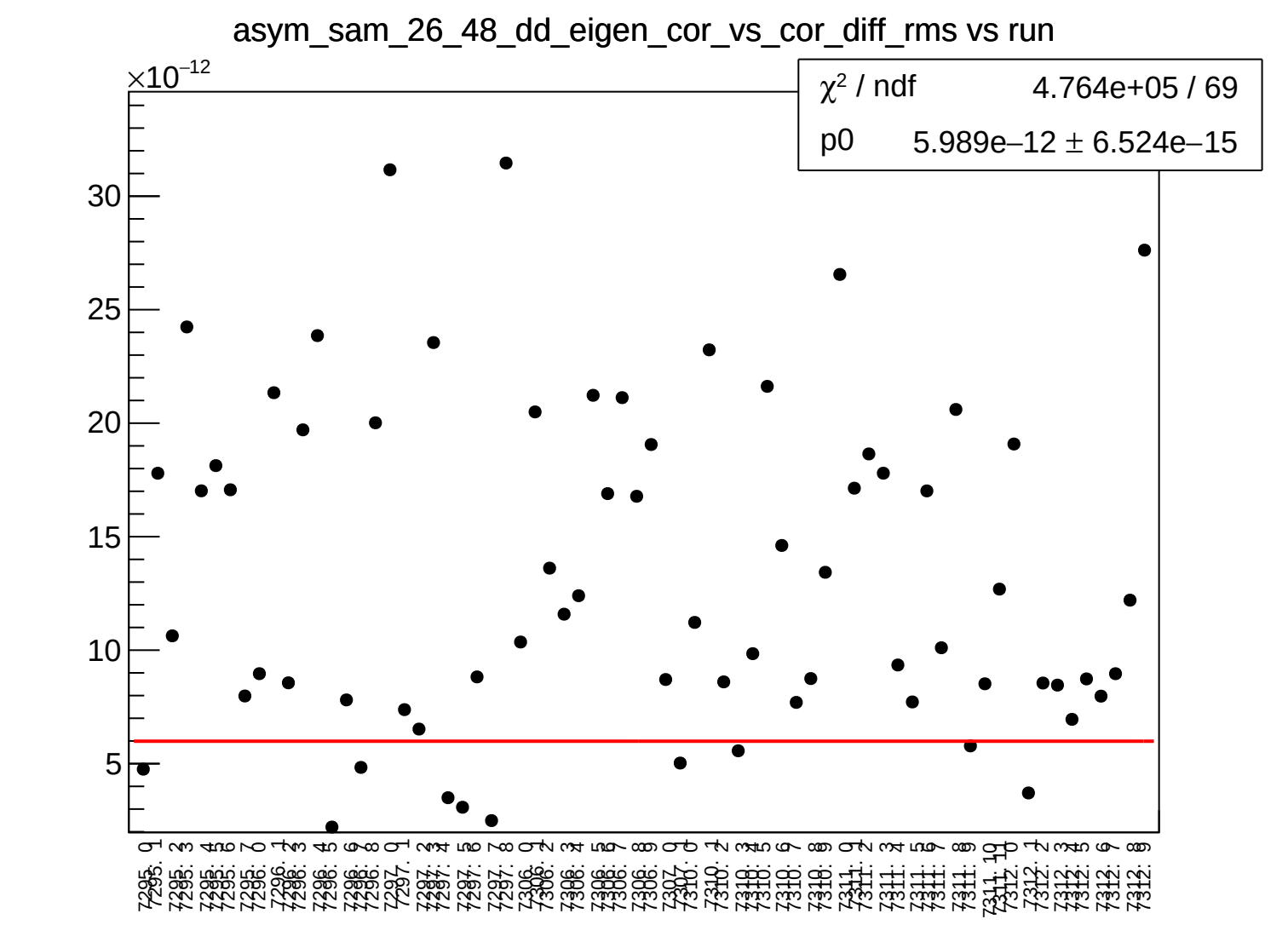


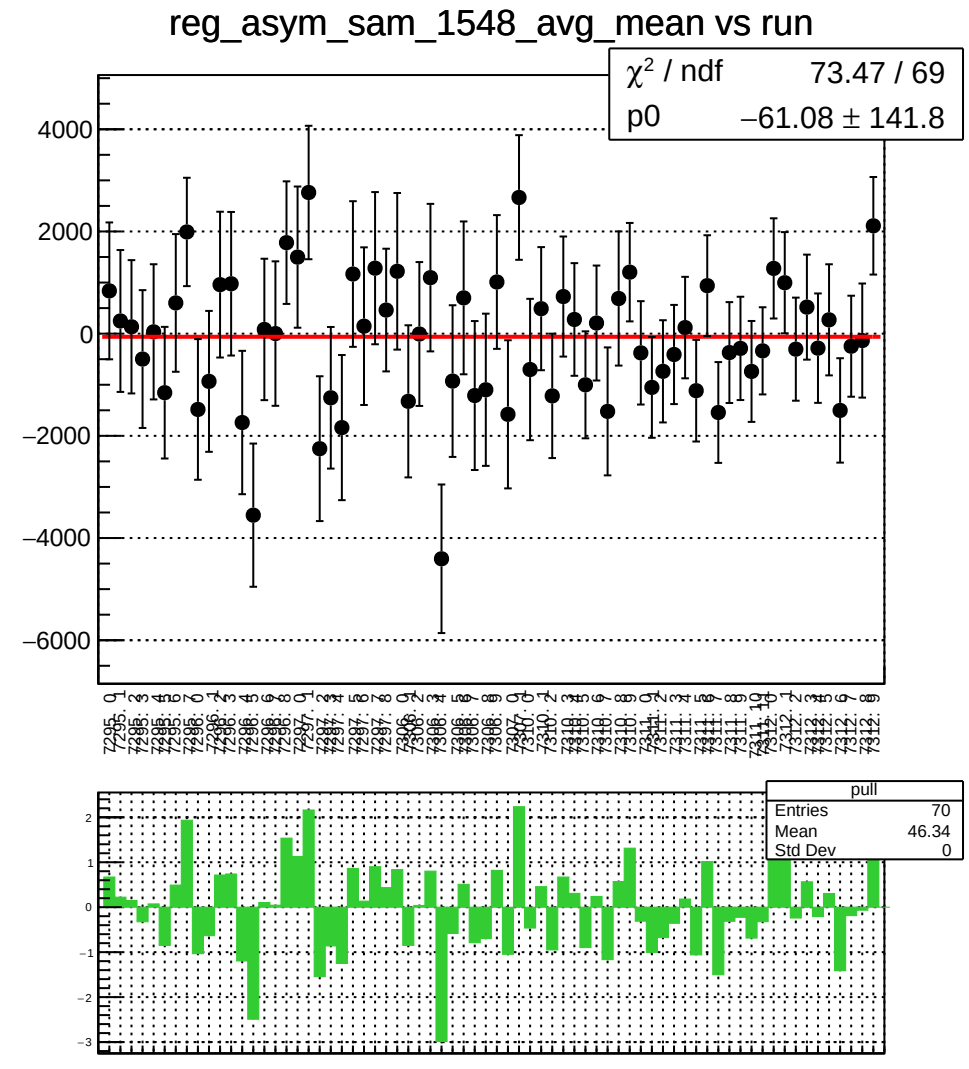


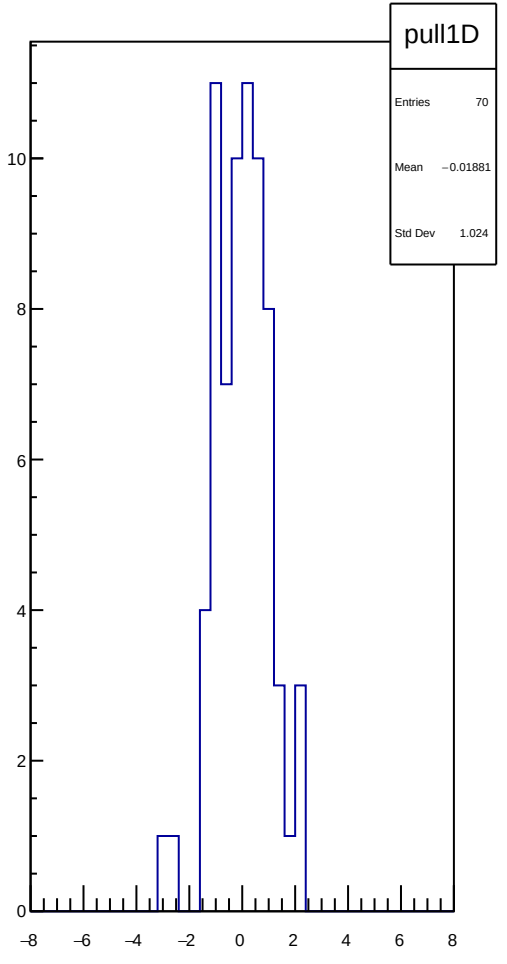

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.589e+05 / 69
p0 71.4 ± 0.06629
240
220
200
180
160
140
120
100
80
60
40

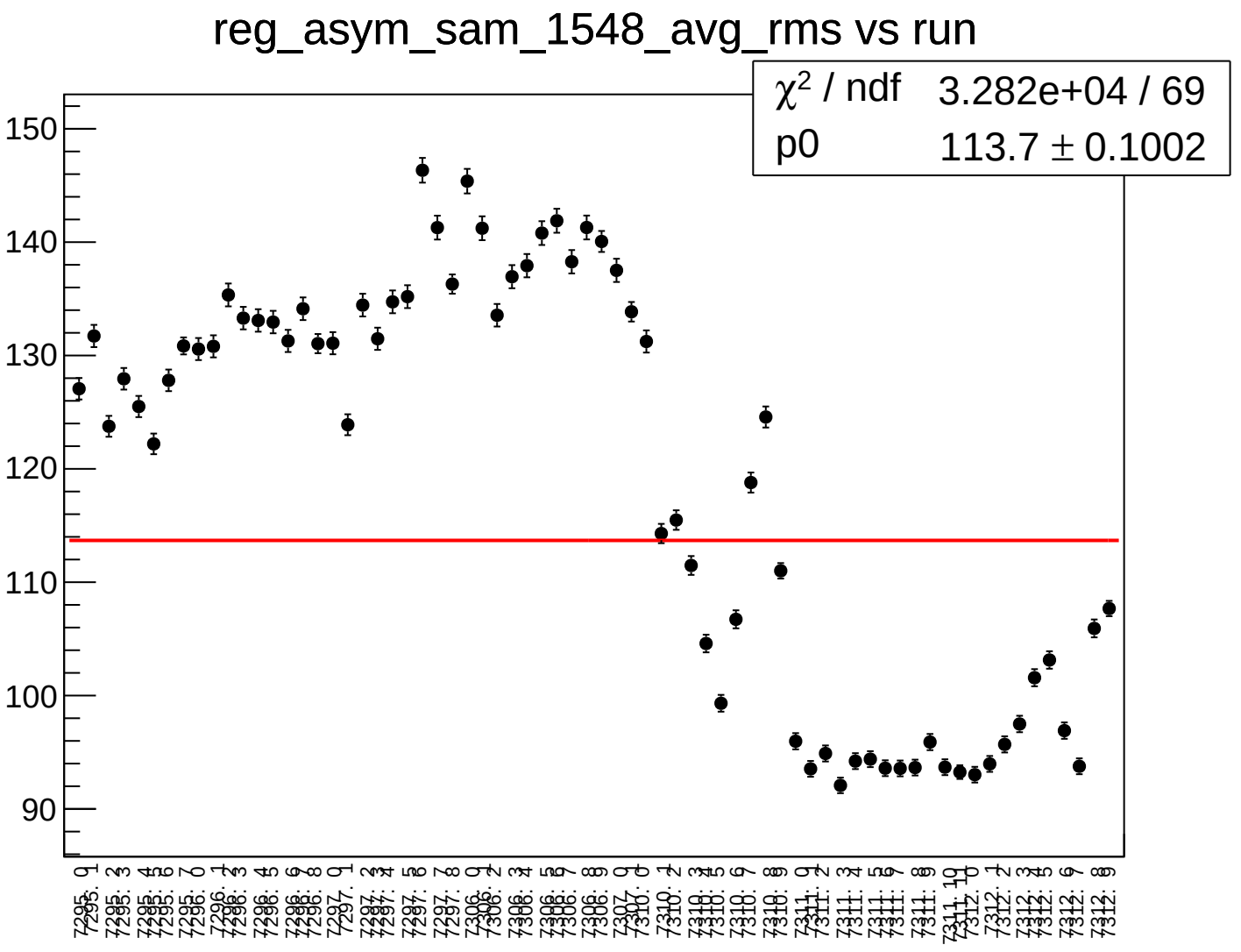

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.71 / 69
p0 1.403e−15 ± 9.227e−15
pull
Entries 70
Mean 4.922
Std Dev 0

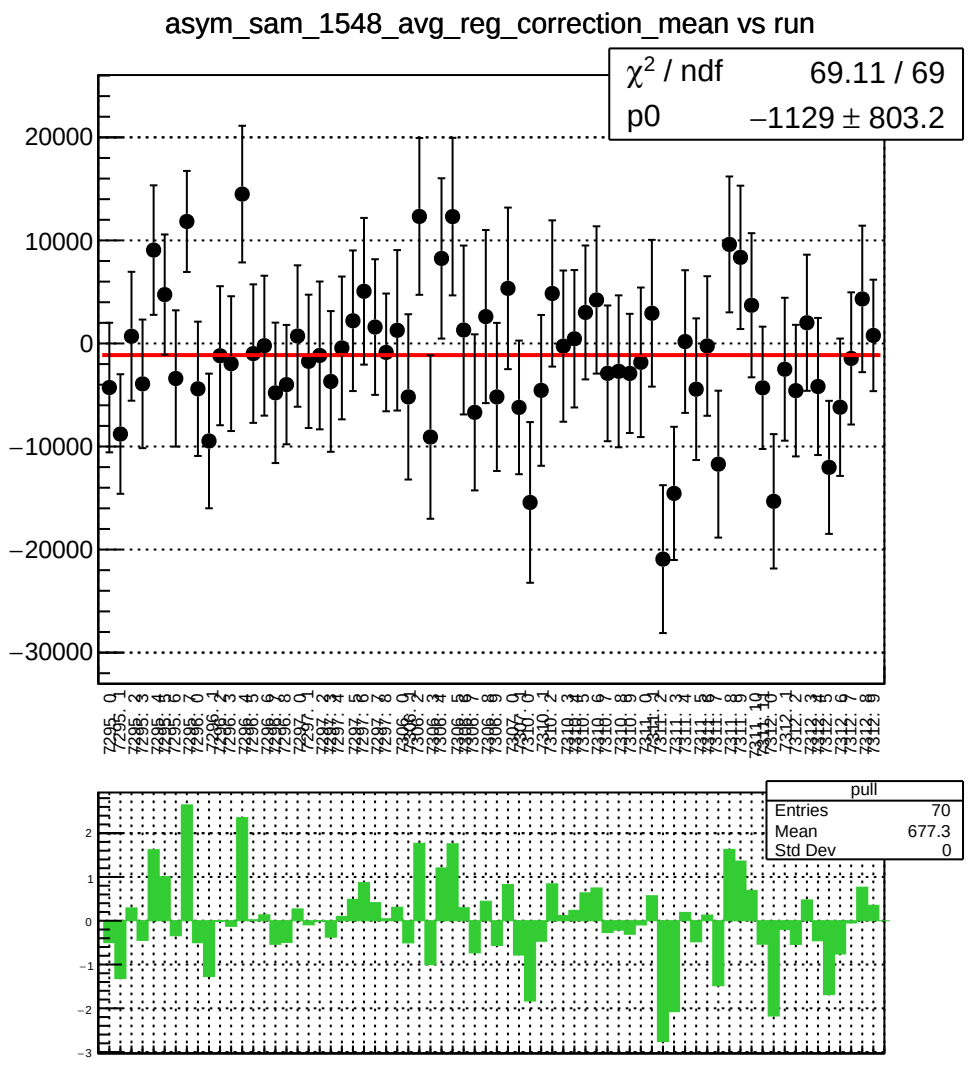

pull1D
Entries 70
Mean −0.09852
Std Dev 0.9639

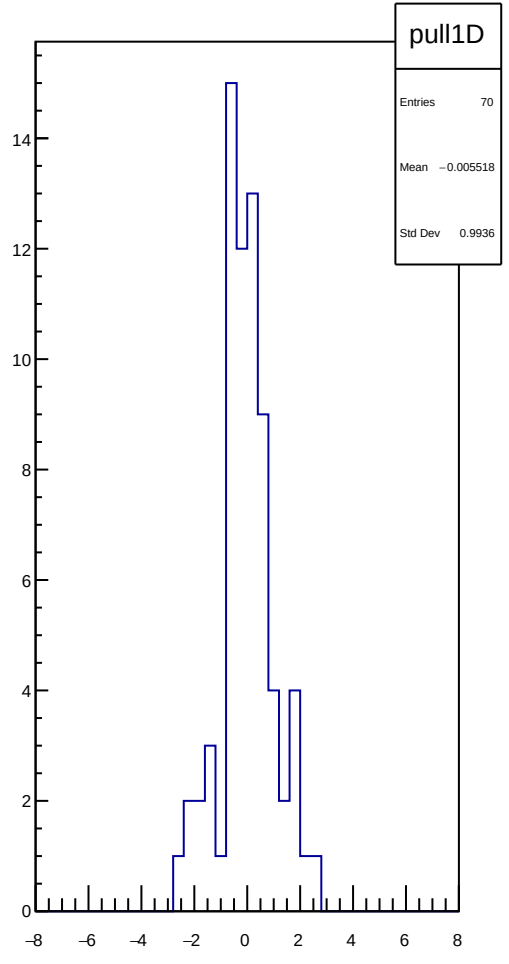

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.764e+05 / 69
p0 5.989e−12 ± 6.524e−15
30
25
20
15
10
5

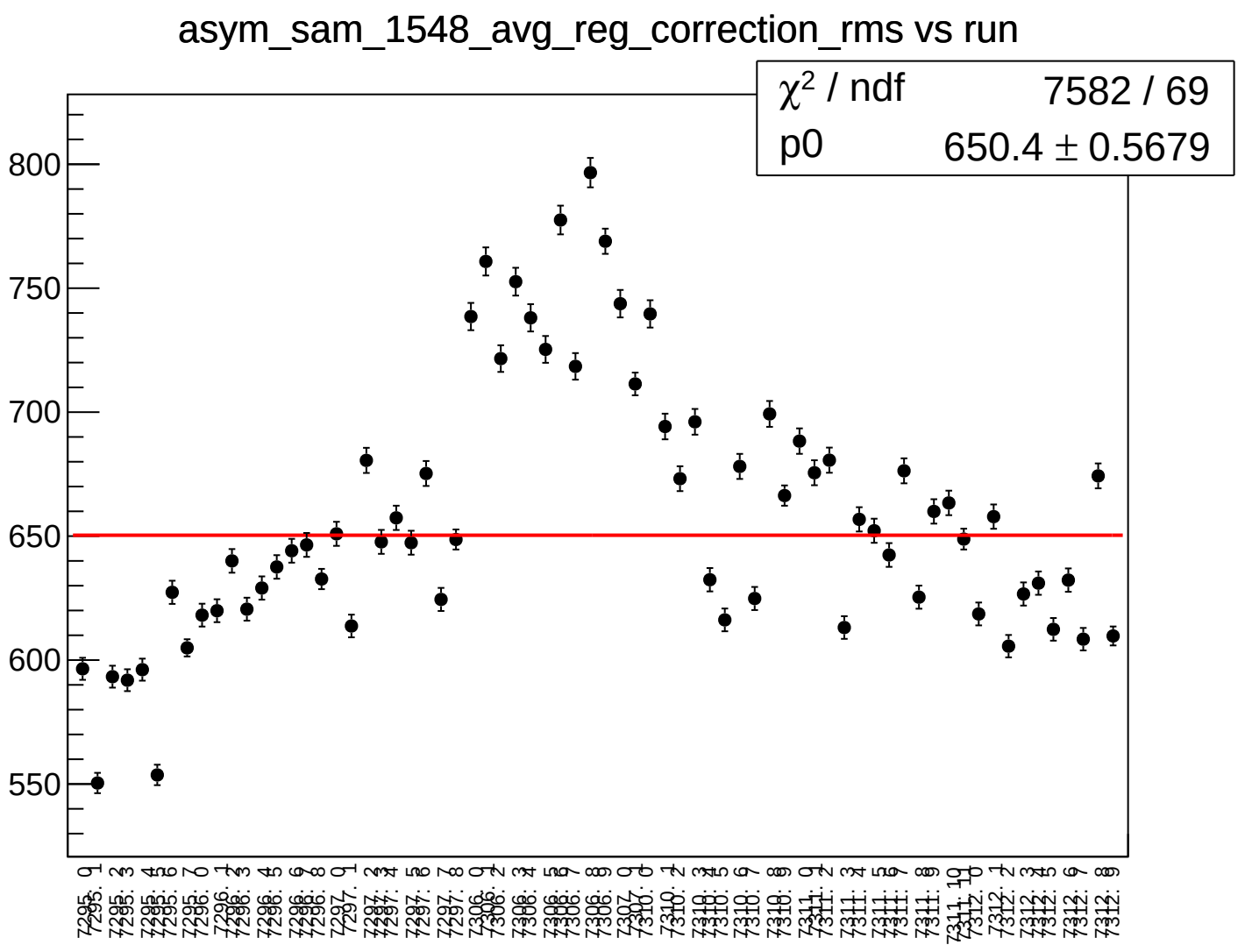

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 73.47 / 69
p0 −61.08 ± 141.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 46.34
Std Dev 0
2
1
0
−1
−2
−3

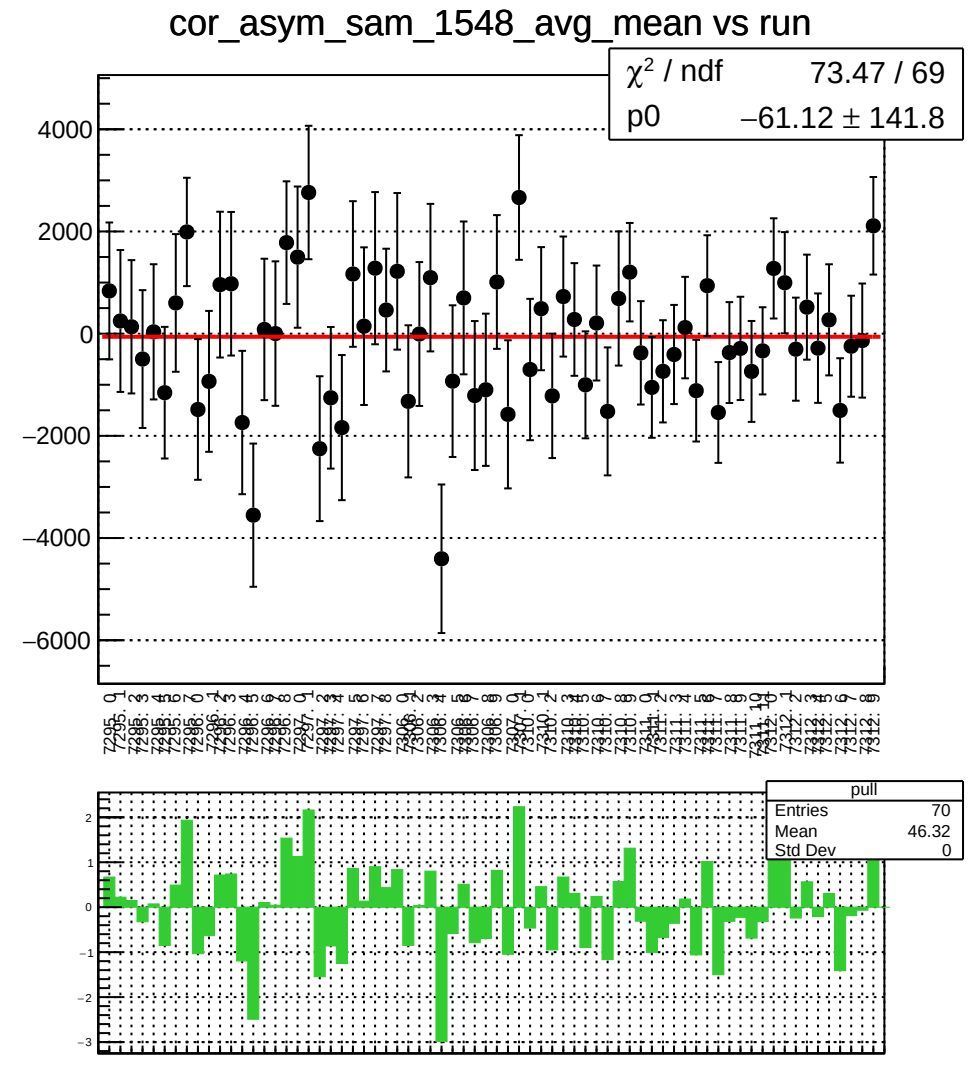

pull1D
Entries 70
Mean −0.01881
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

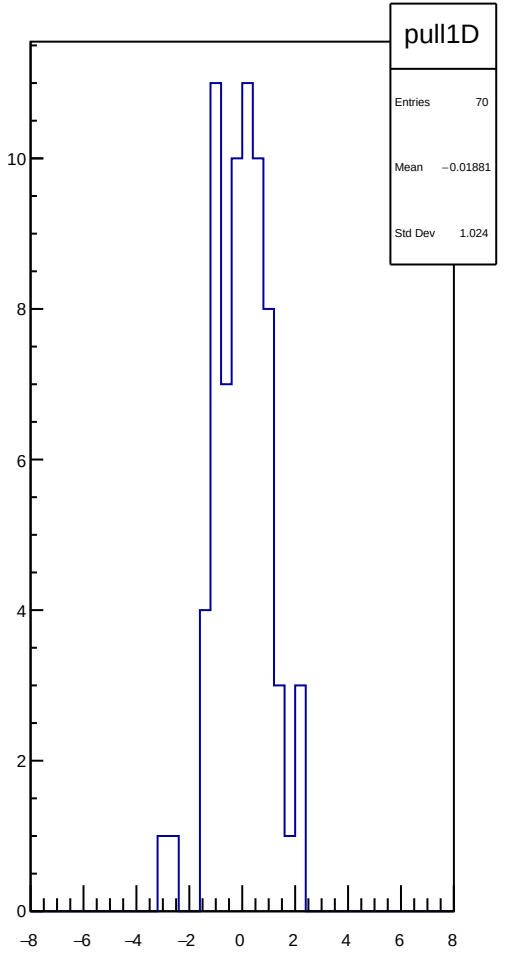

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 3.282e+04 / 69
p0 113.7 ± 0.1002
150
140
130
120
110
100
90

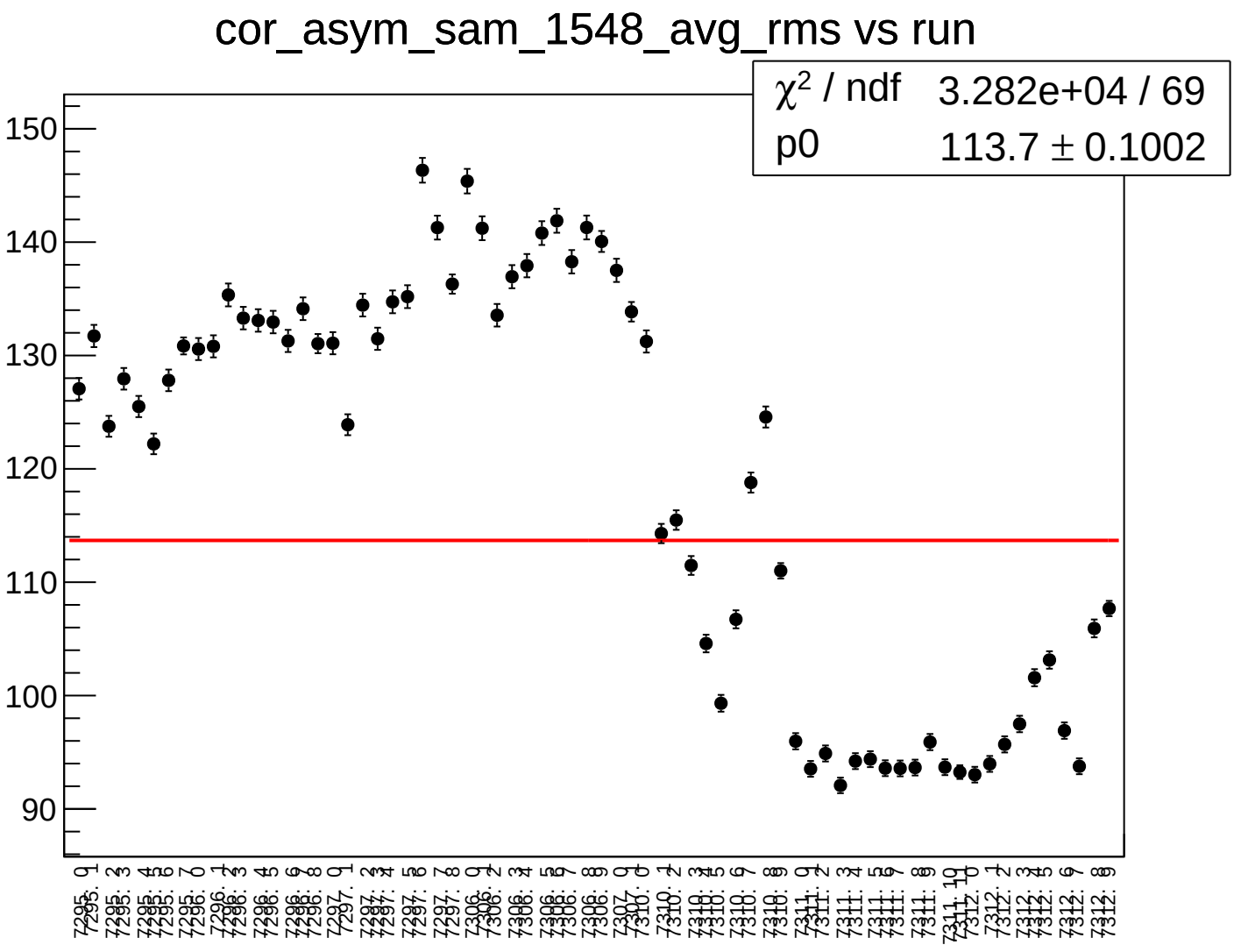

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 69.11 / 69
p0 −1129 ± 803.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 677.3
Std Dev 0
2
1
0
−1
−2
−3

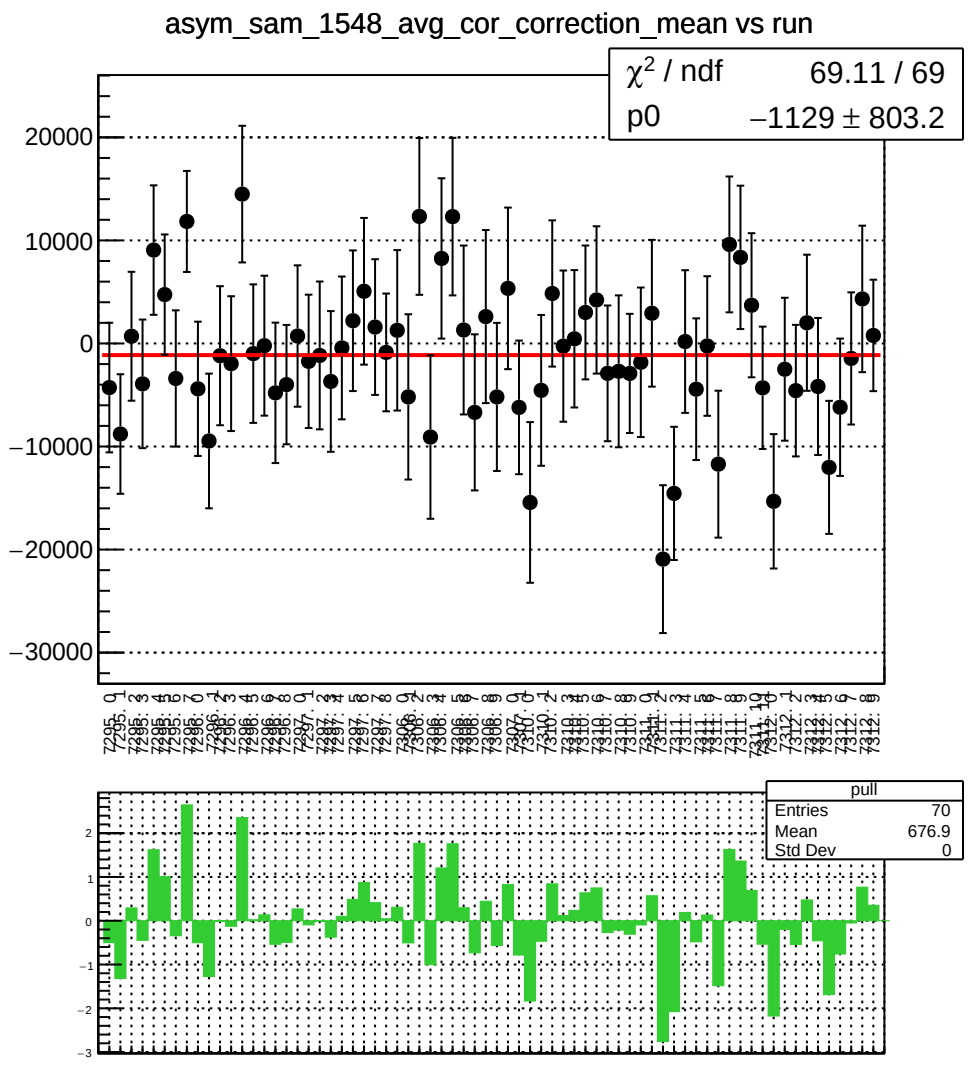

pull1D
Entries 70
Mean −0.005518
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

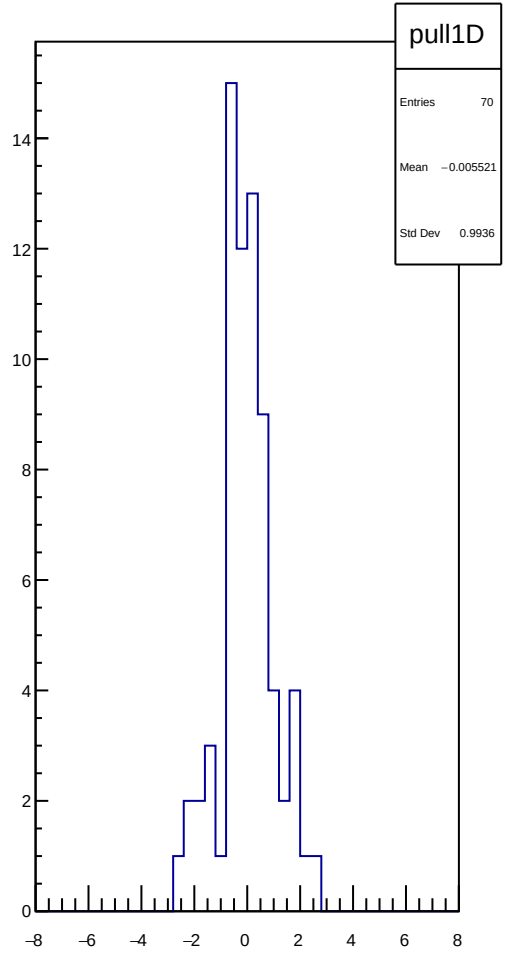

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 7582 / 69
p0 650.4 ± 0.5679
800
750
700
650
600
550

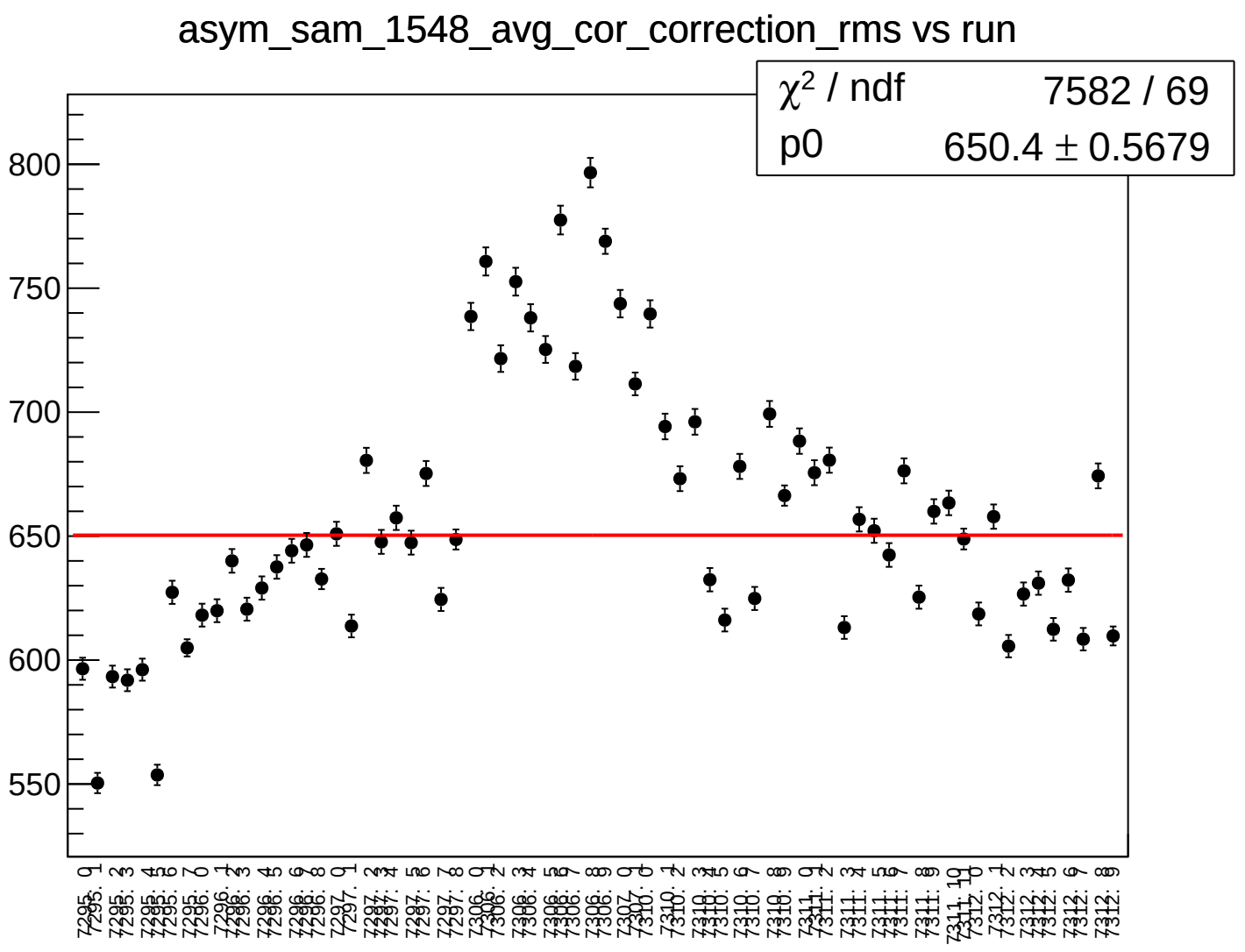

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 73.47 / 69
p0 −61.12 ± 141.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 46.32
Std Dev 0
2
1
0
−1
−2
−3

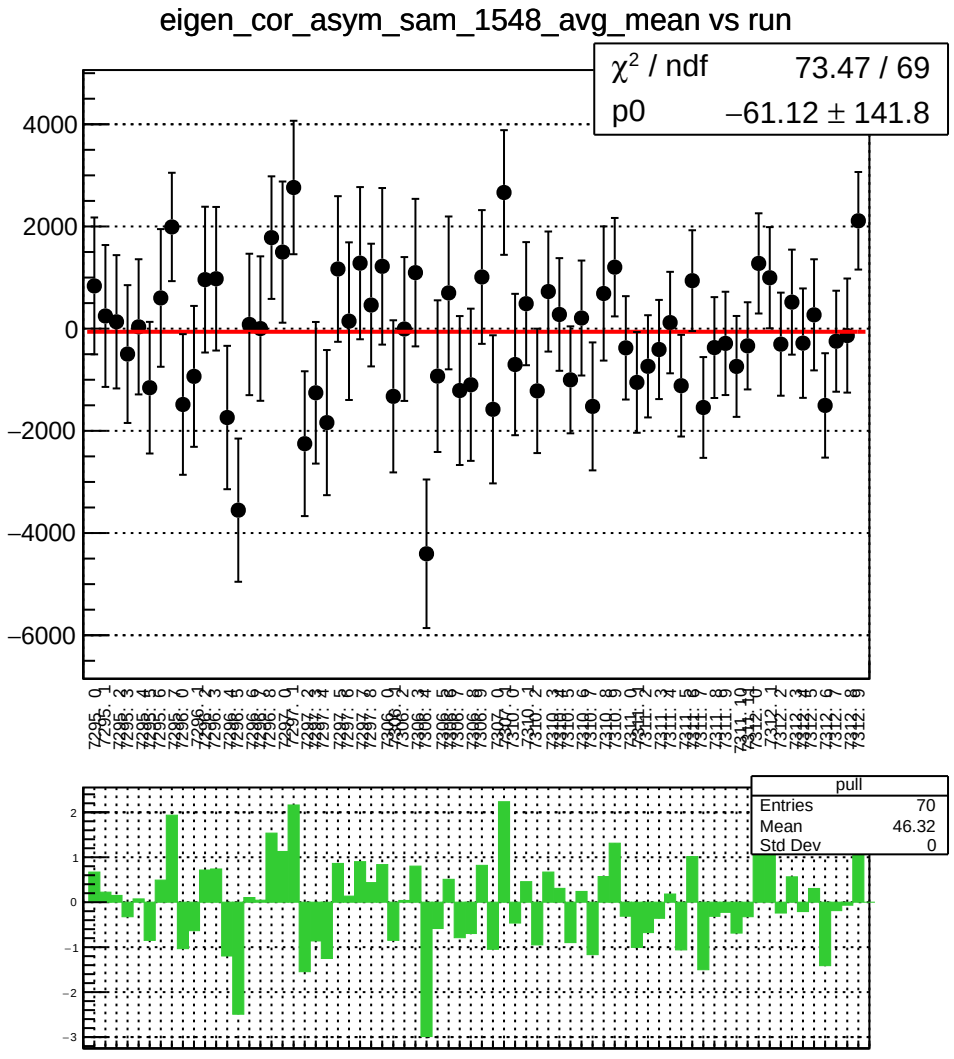

pull1D
Entries 70
Mean −0.01881
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

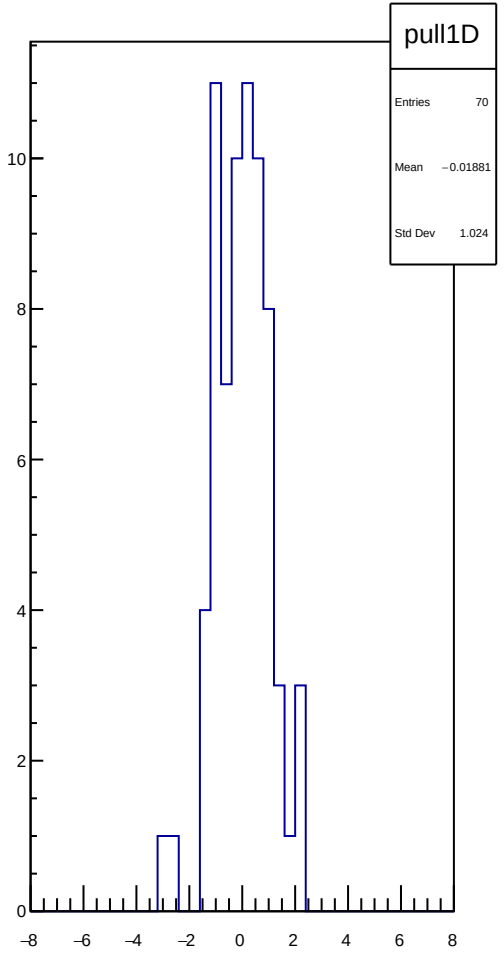

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.282e+04 / 69
p0 113.7 ± 0.1002
150
140
130
120
110
100
90

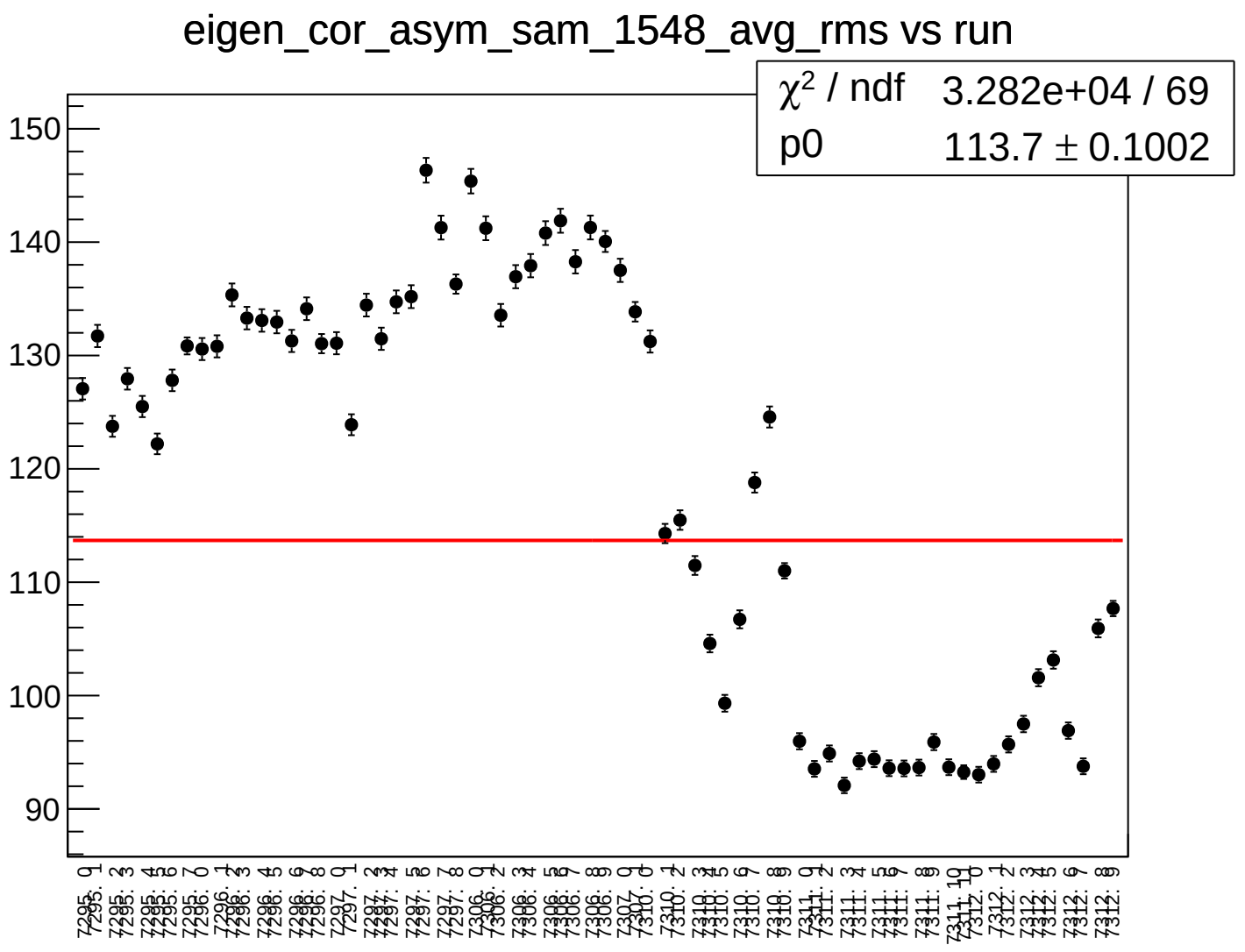

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 69.11 / 69
p0 −1129 ± 803.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 676.9
Std Dev 0
2
1
0
−1
−2
−3

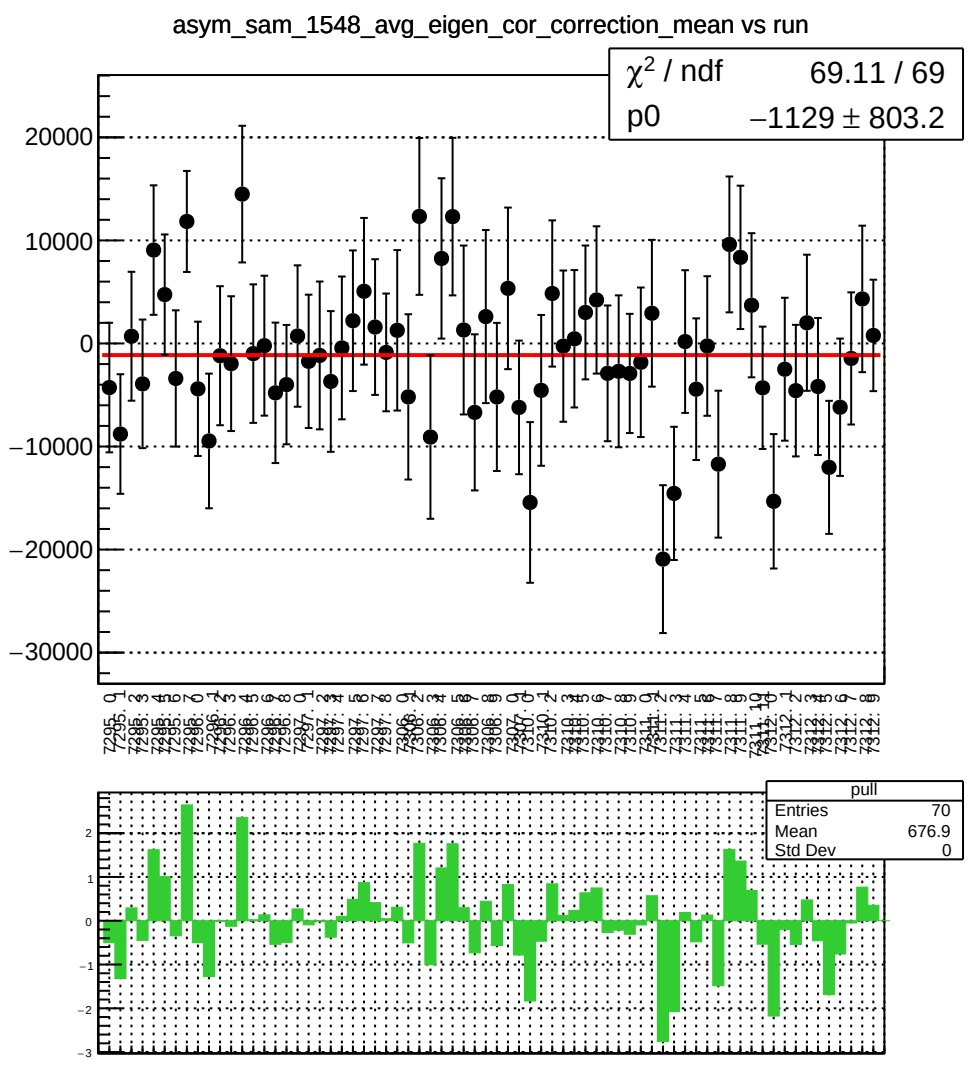

pull1D
Entries 70
Mean −0.005521
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

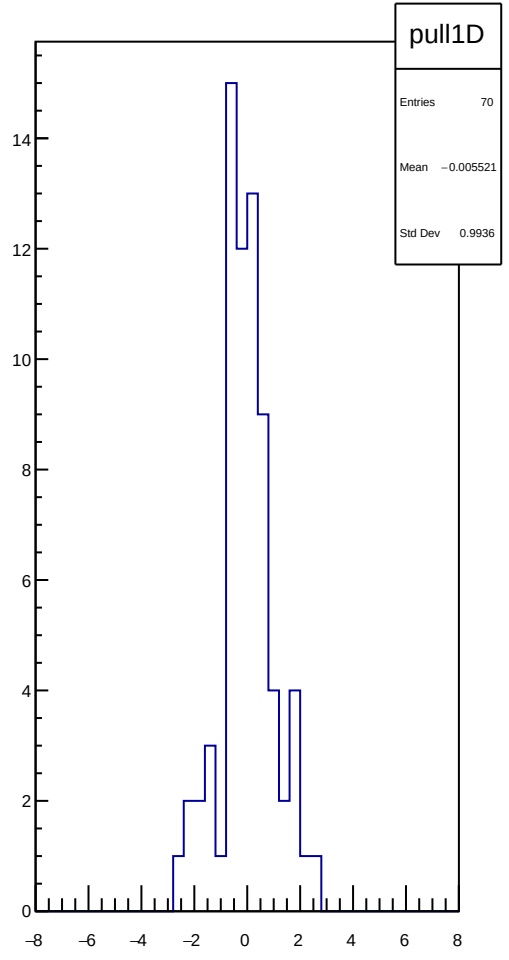

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 7582 / 69
p0 650.4 ± 0.5679
800
750
700
650
600
550

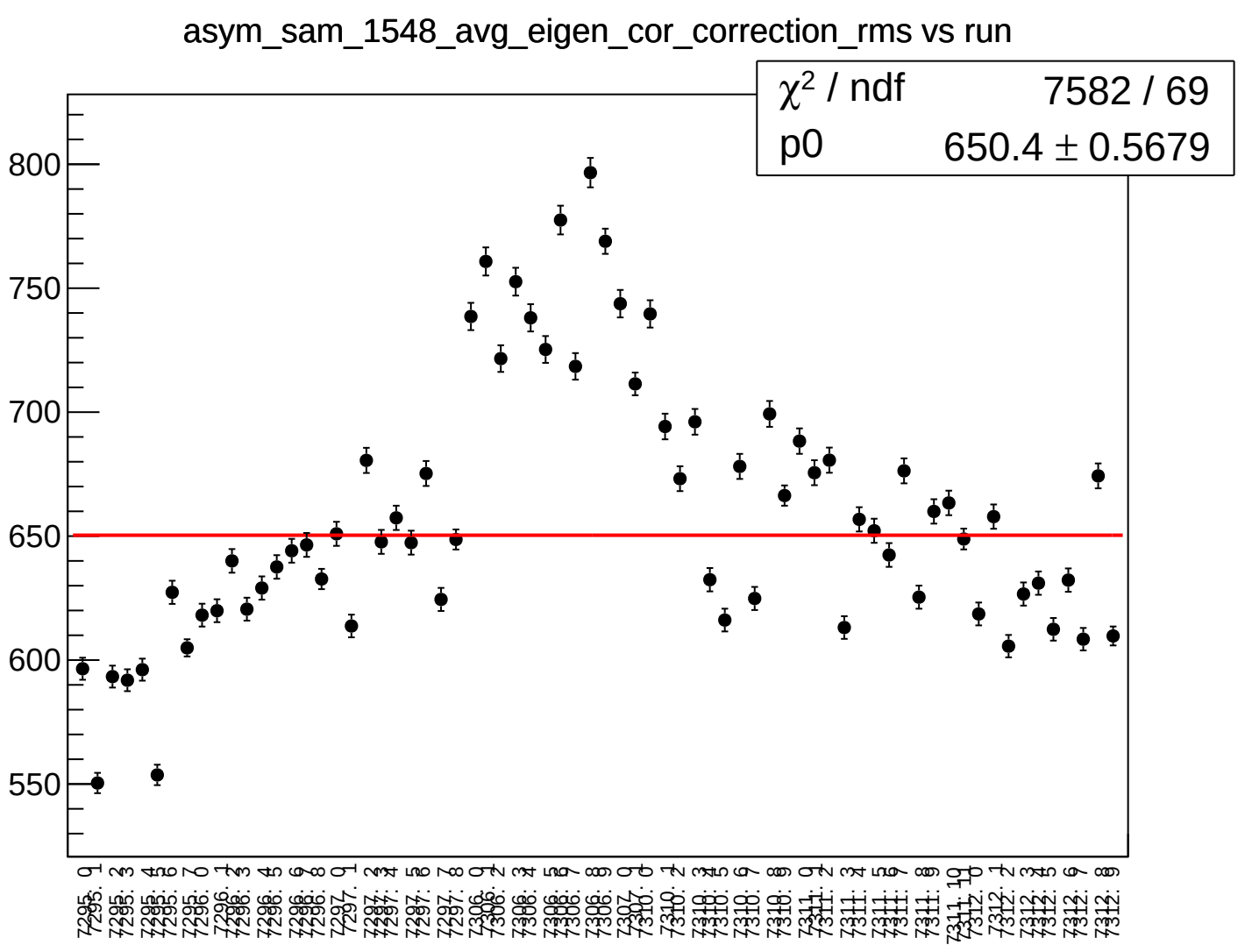

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 73.47 / 69
p0 −61.12 ± 141.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 46.32
Std Dev 0
2
1
0
−1
−2
−3

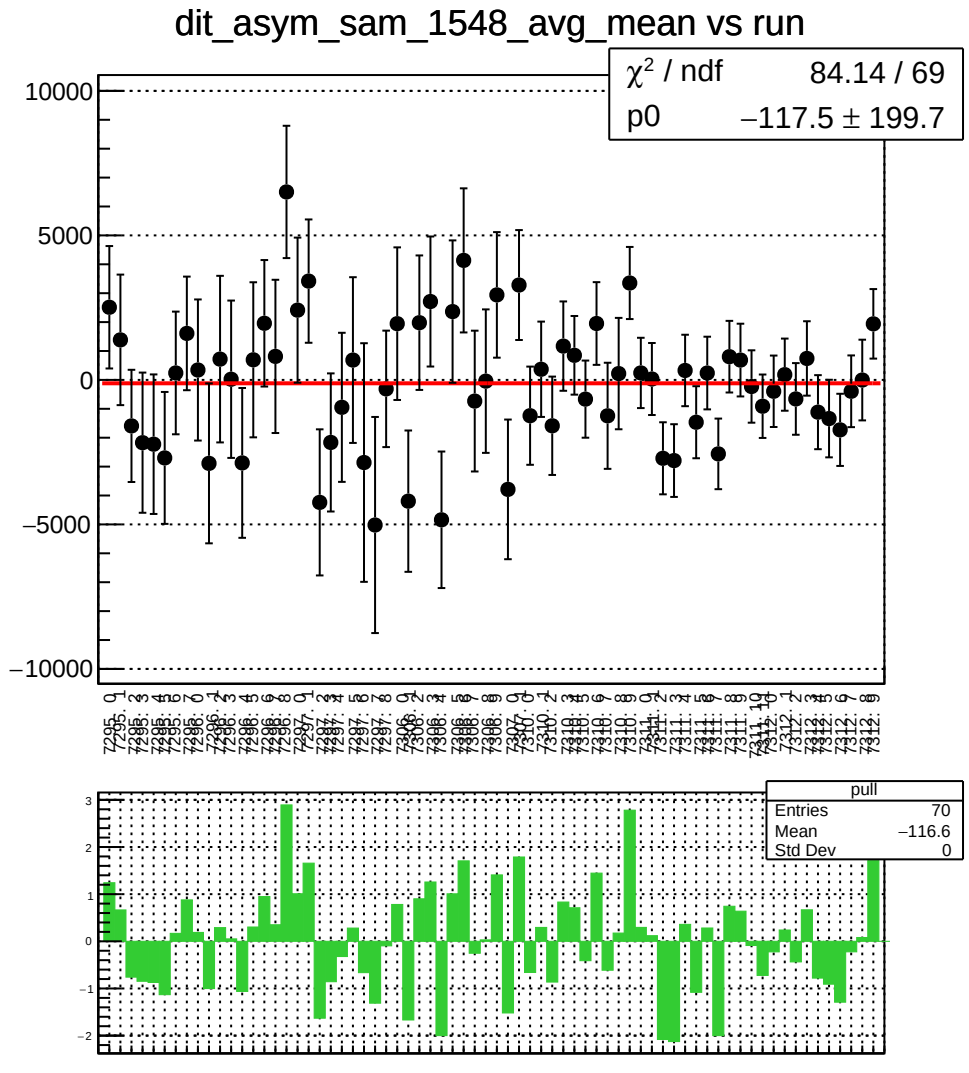

pull1D
Entries 70
Mean −0.01881
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

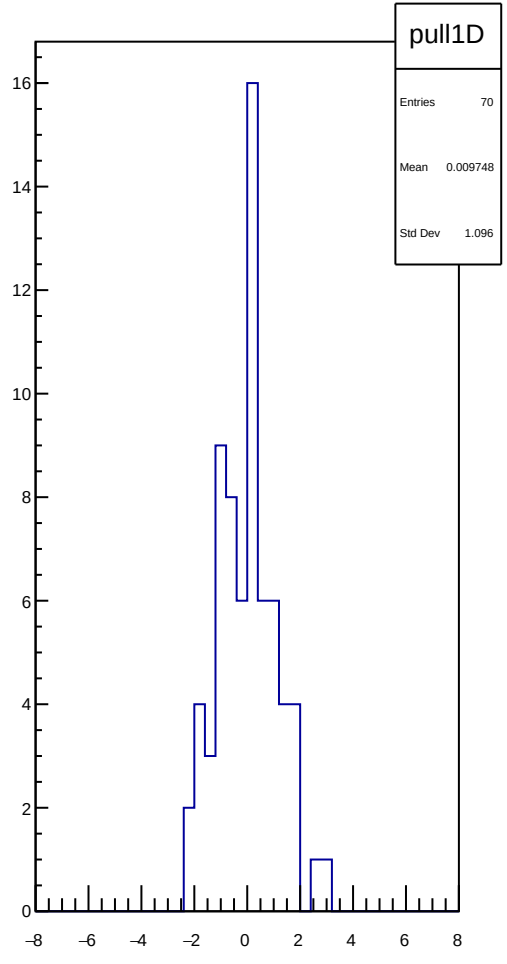

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.282e+04 / 69
p0 113.7 ± 0.1002
150
140
130
120
110
100
90

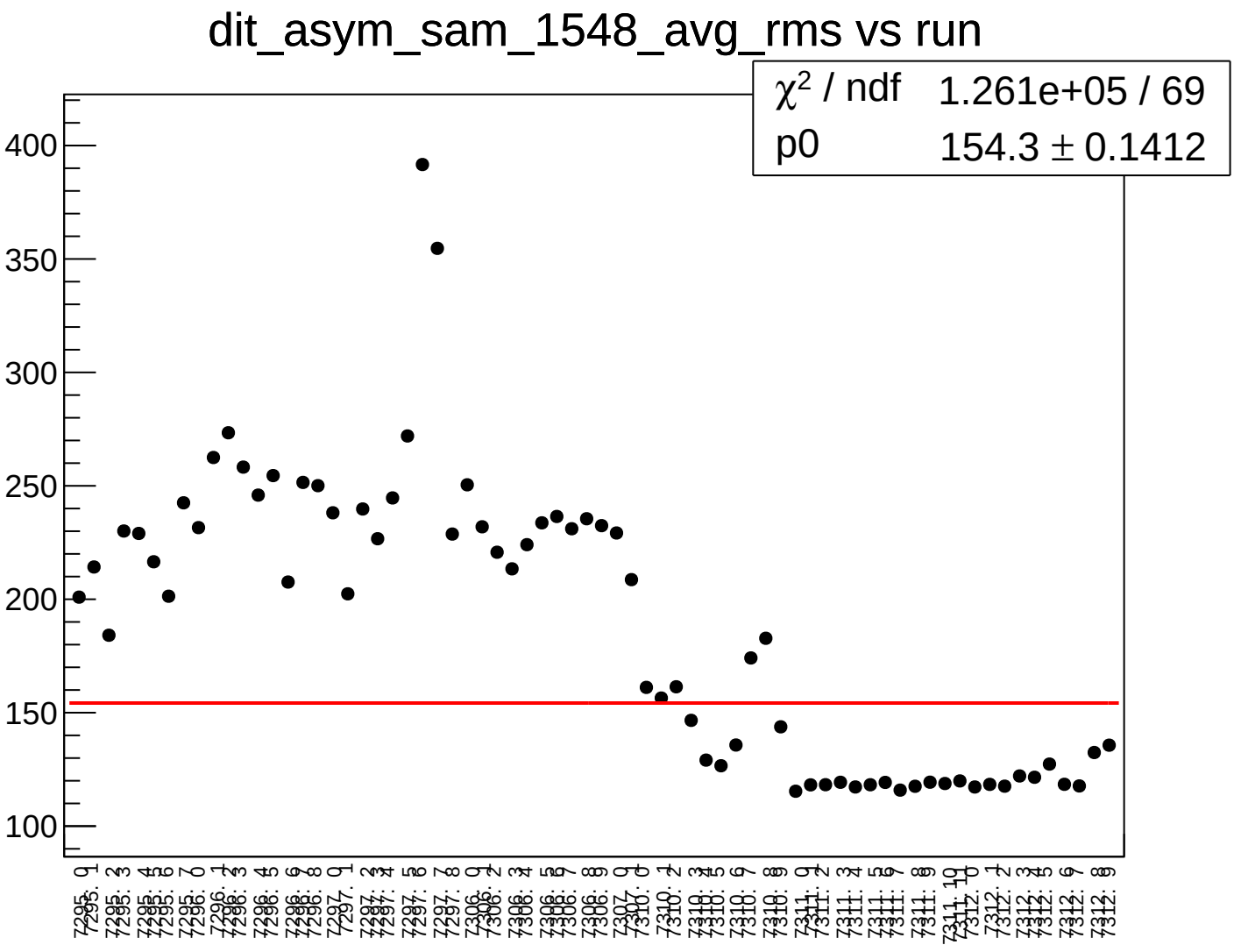

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.11 / 69
p0 −1129 ± 803.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 676.9
Std Dev 0
2
1
0
−1
−2
−3

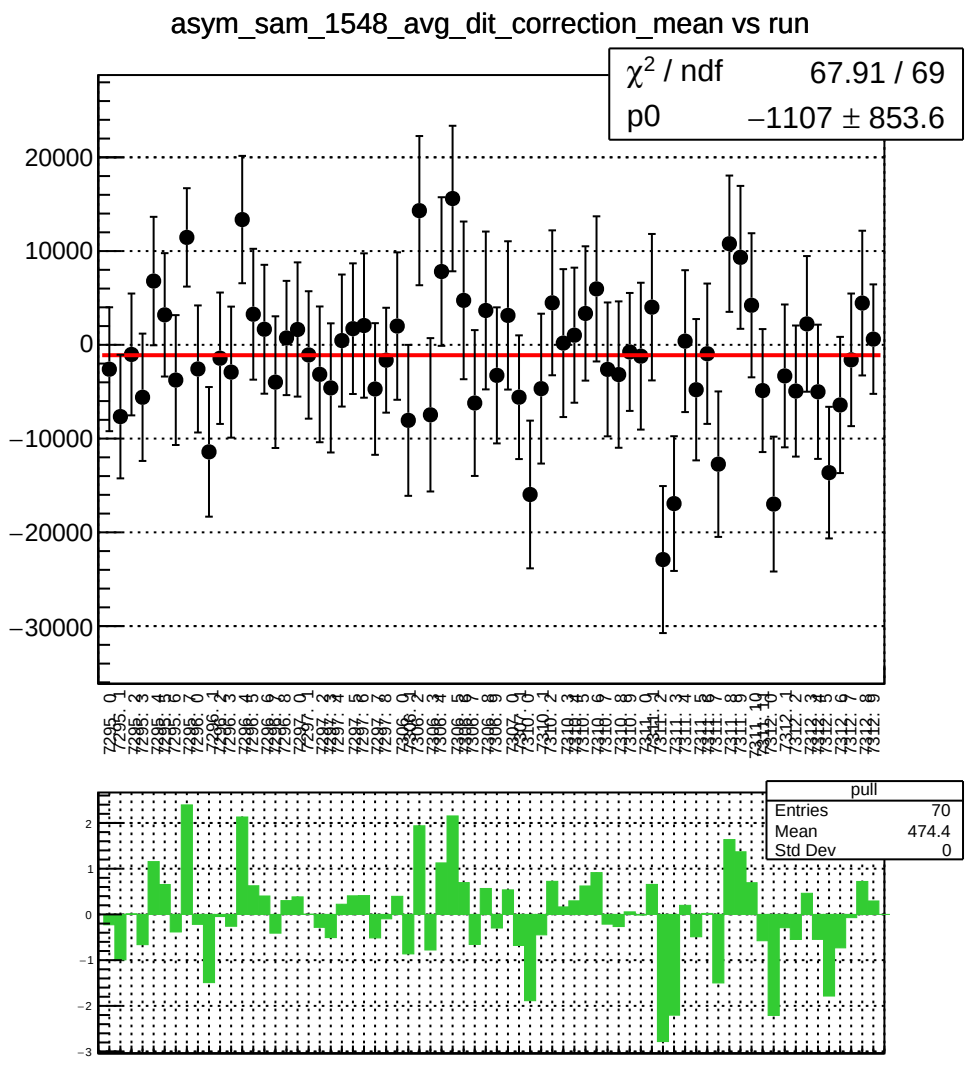

pull1D
Entries 70
Mean −0.005521
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

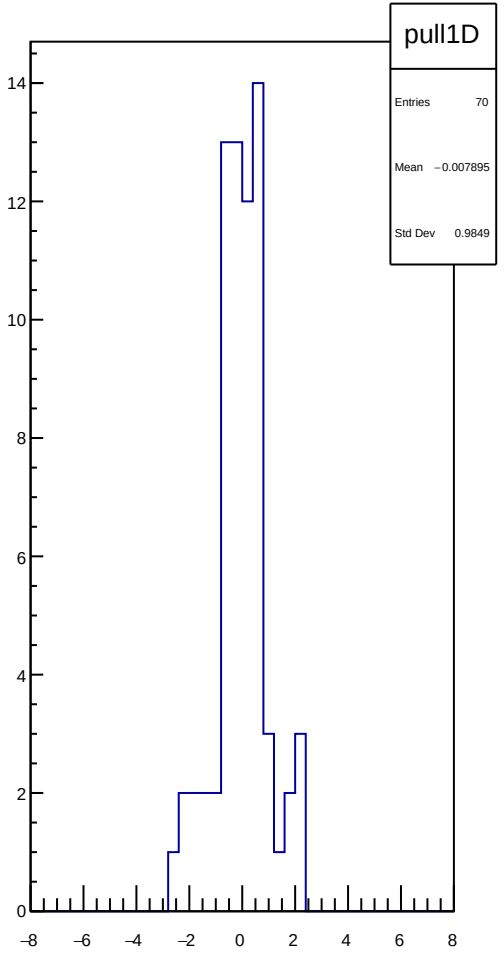

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 7582 / 69
p0 650.4 ± 0.5679
800
750
700
650
600
550

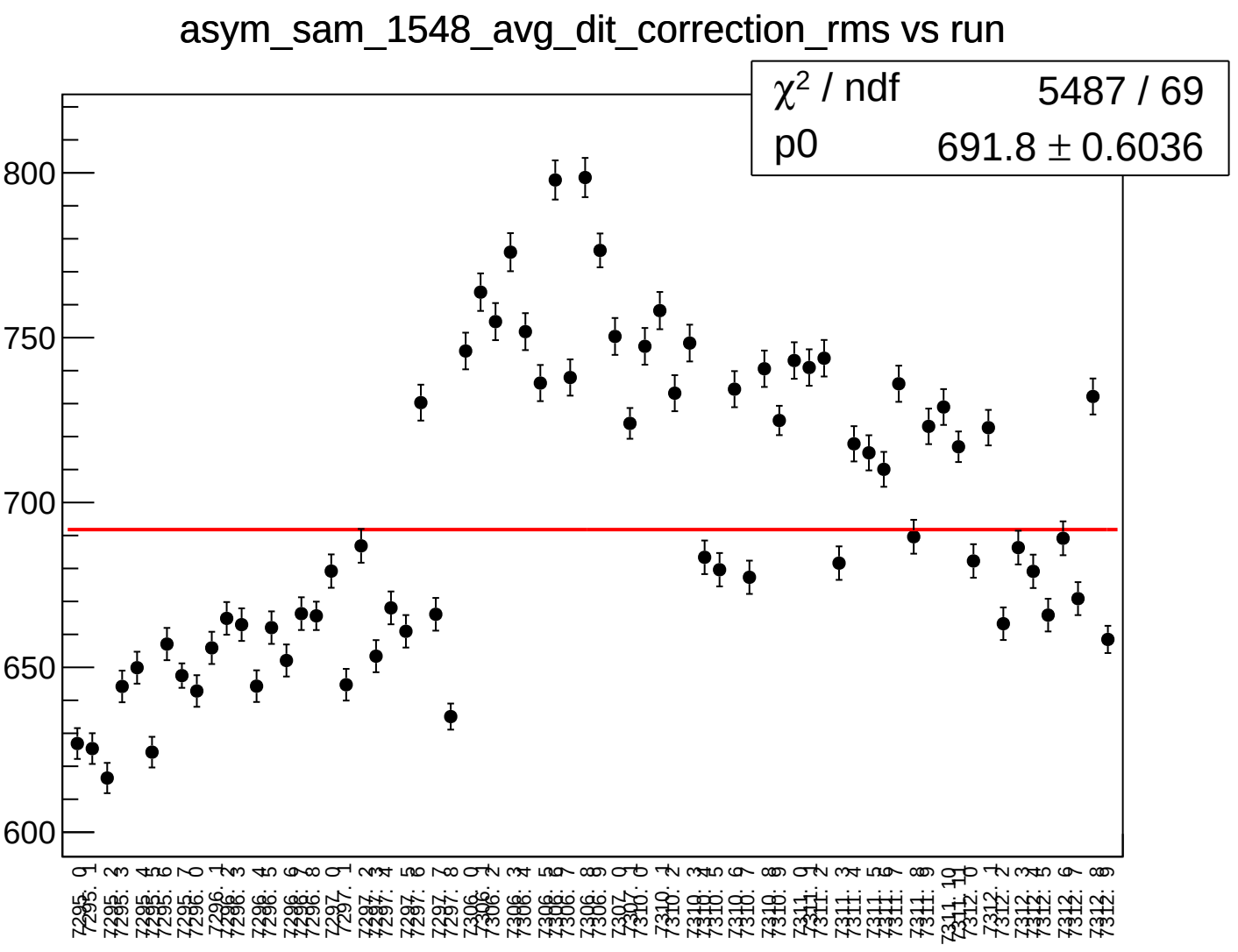

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.14 / 69
p0 −117.5 ± 199.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −116.6
Std Dev 0
3
2
1
0
−1
−2

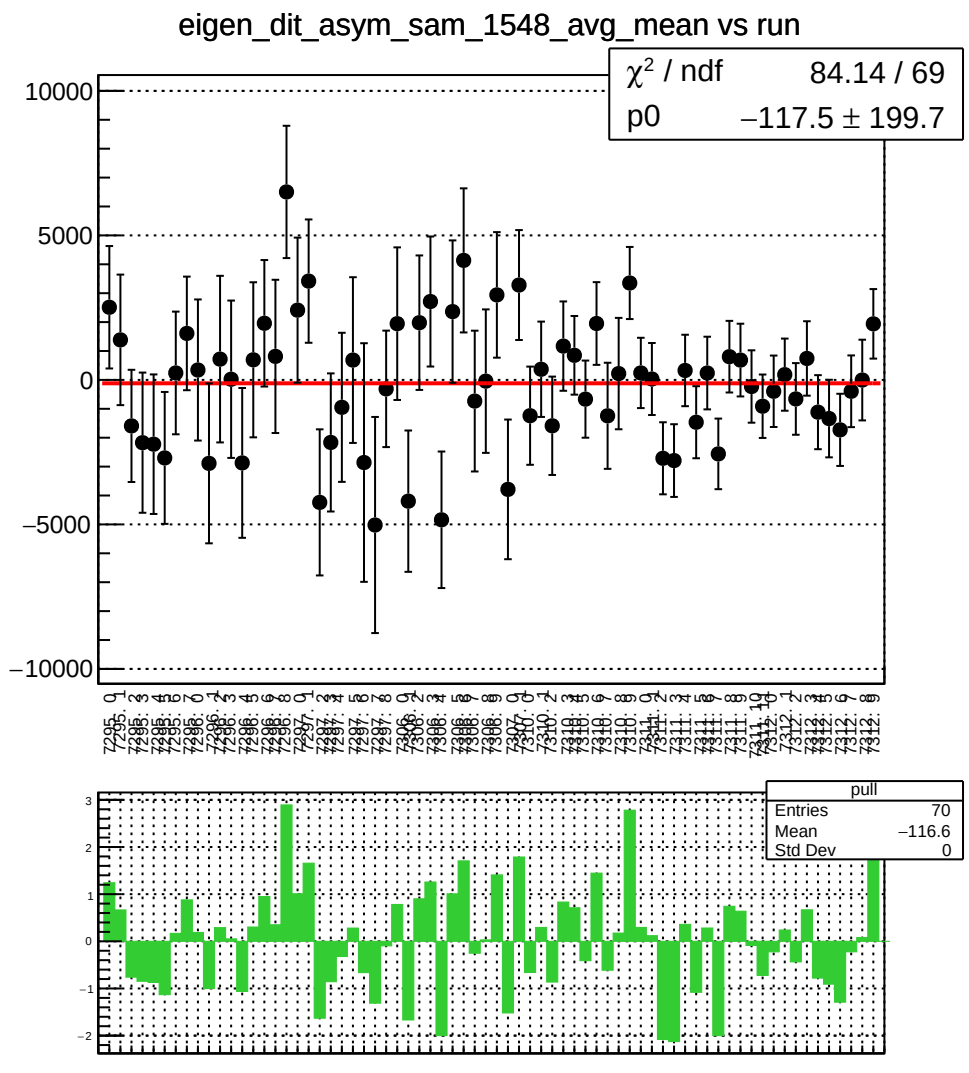

pull1D
Entries 70
Mean 0.009748
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

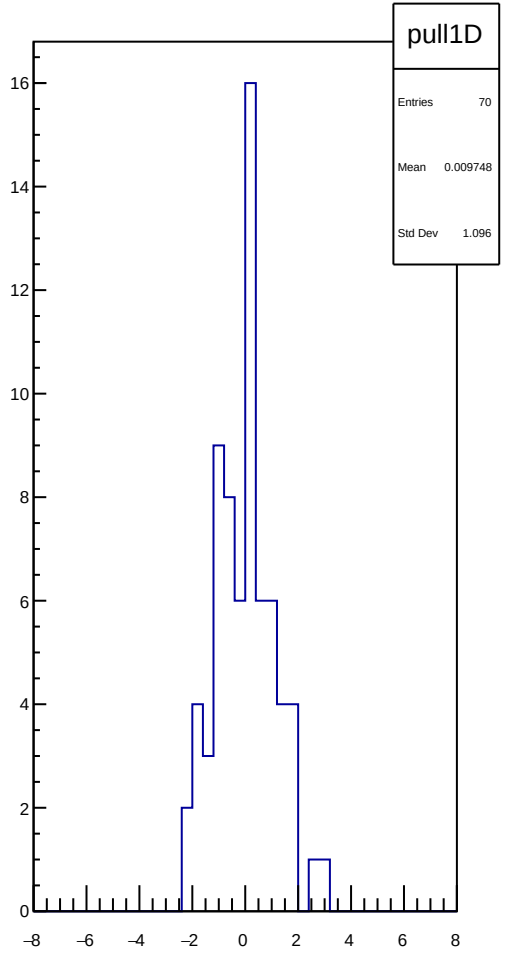

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.261e+05 / 69
p0 154.3 ± 0.1412
400
350
300
250
200
150
100

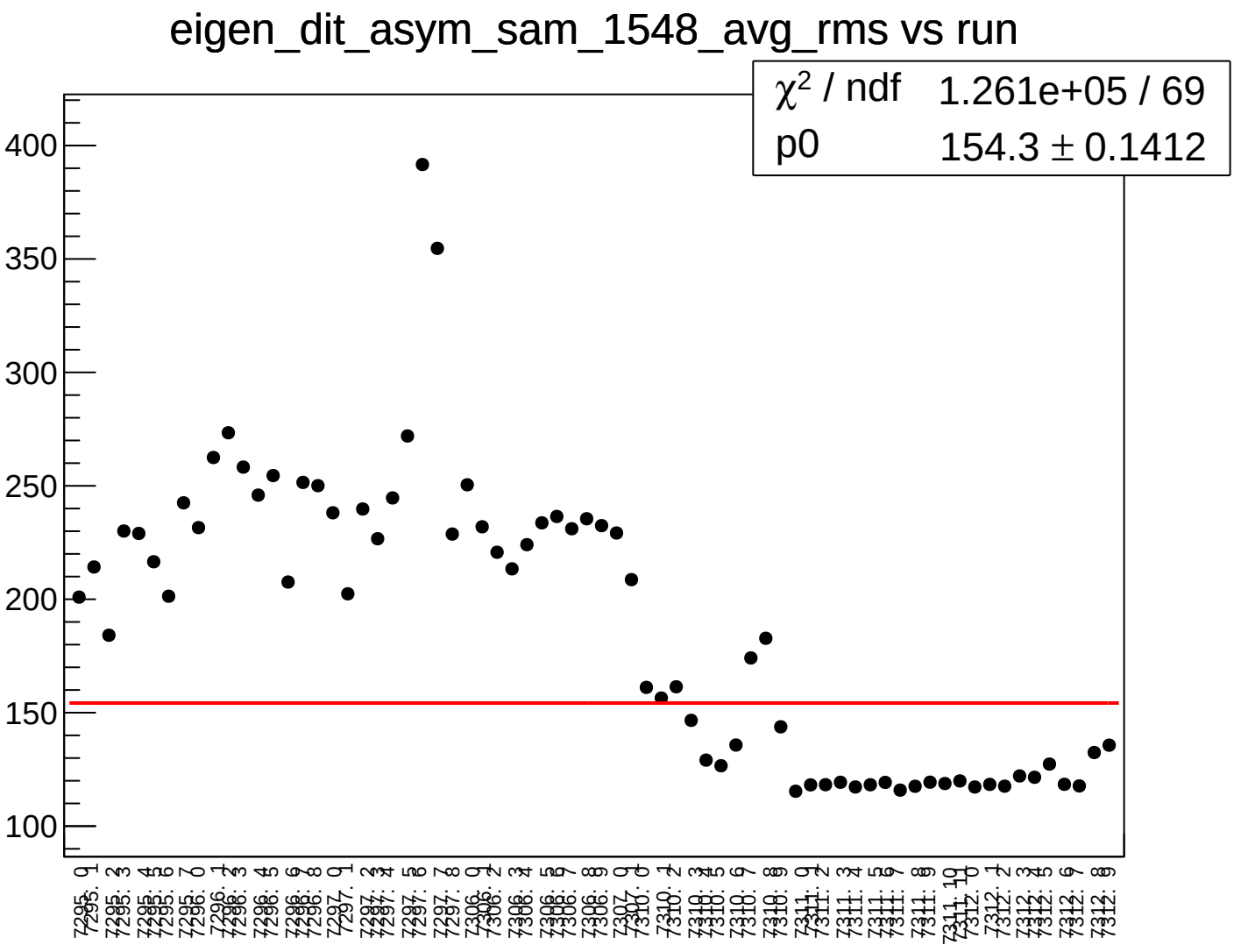

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 67.91 / 69
p0 −1107 ± 853.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 474.4
Std Dev 0
2
1
0
−1
−2
−3

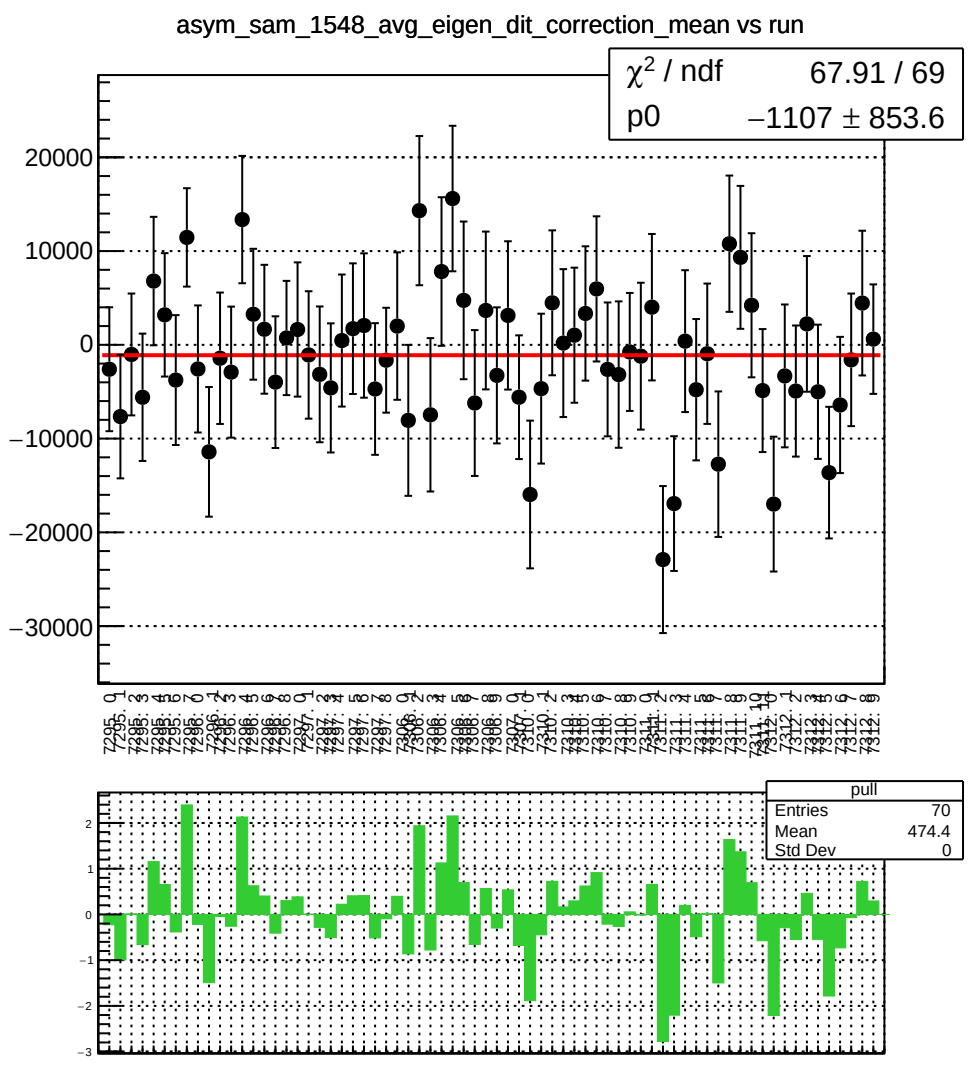

pull1D
Entries 70
Mean −0.007895
Std Dev 0.9849
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

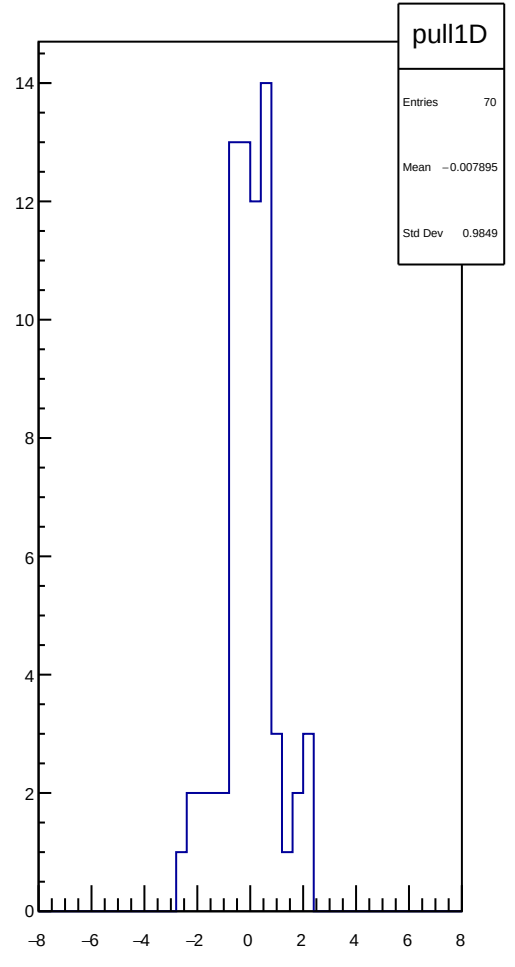

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 5487 / 69
p0 691.8 ± 0.6036
800
750
700
650
600

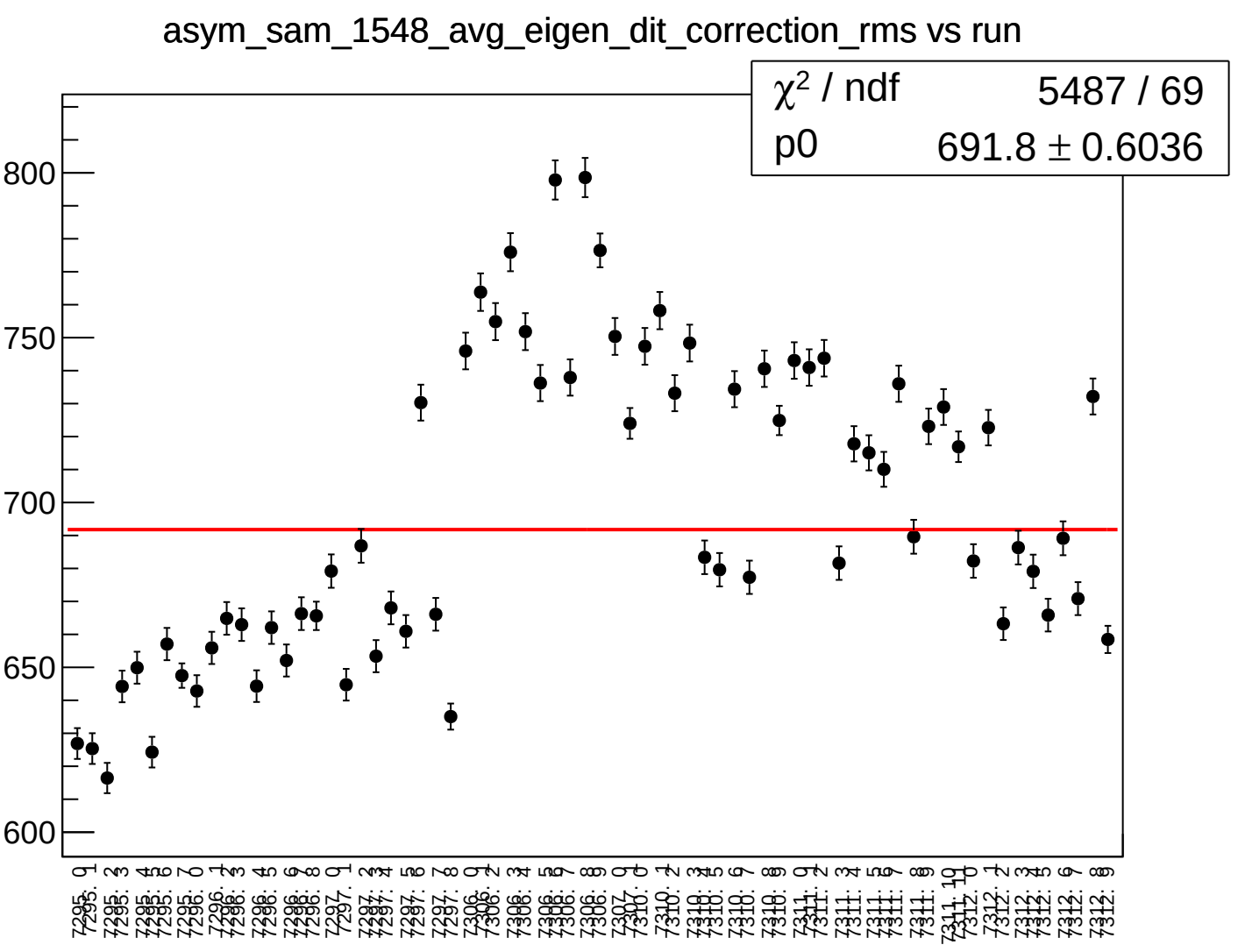

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.14 / 69
p0 −117.5 ± 199.7
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −116.6
Std Dev 0
3
2
1
0
−1
−2

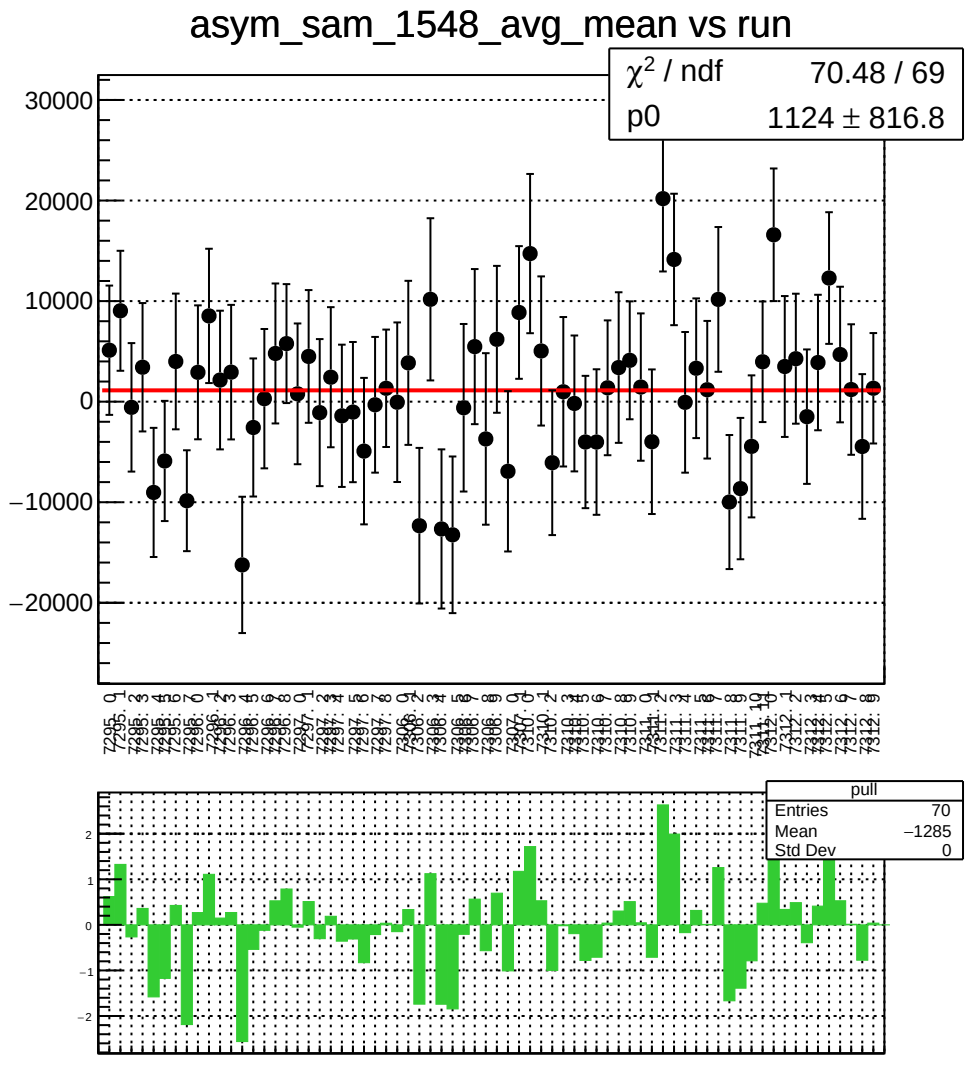

pull1D
Entries 70
Mean 0.009748
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

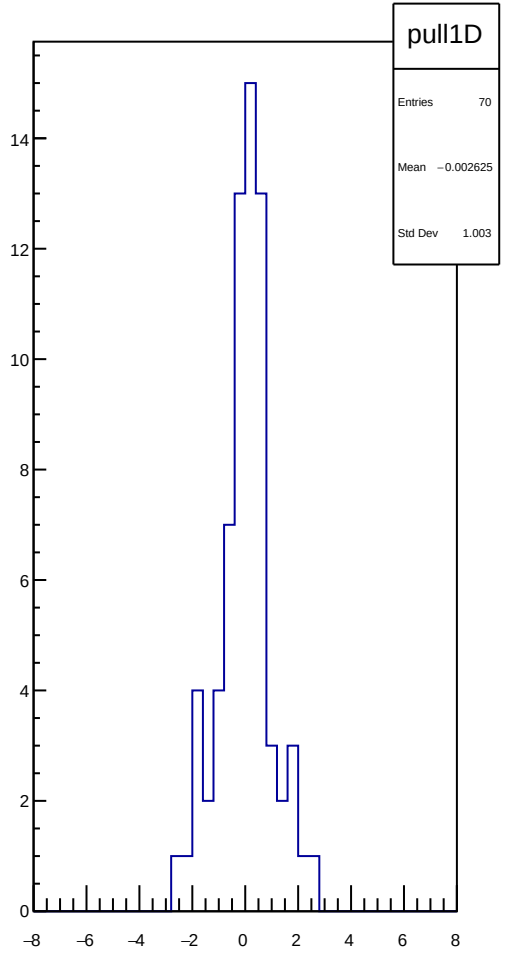

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.261e+05 / 69
p0 154.3 ± 0.1412
400
350
300
250
200
150
100

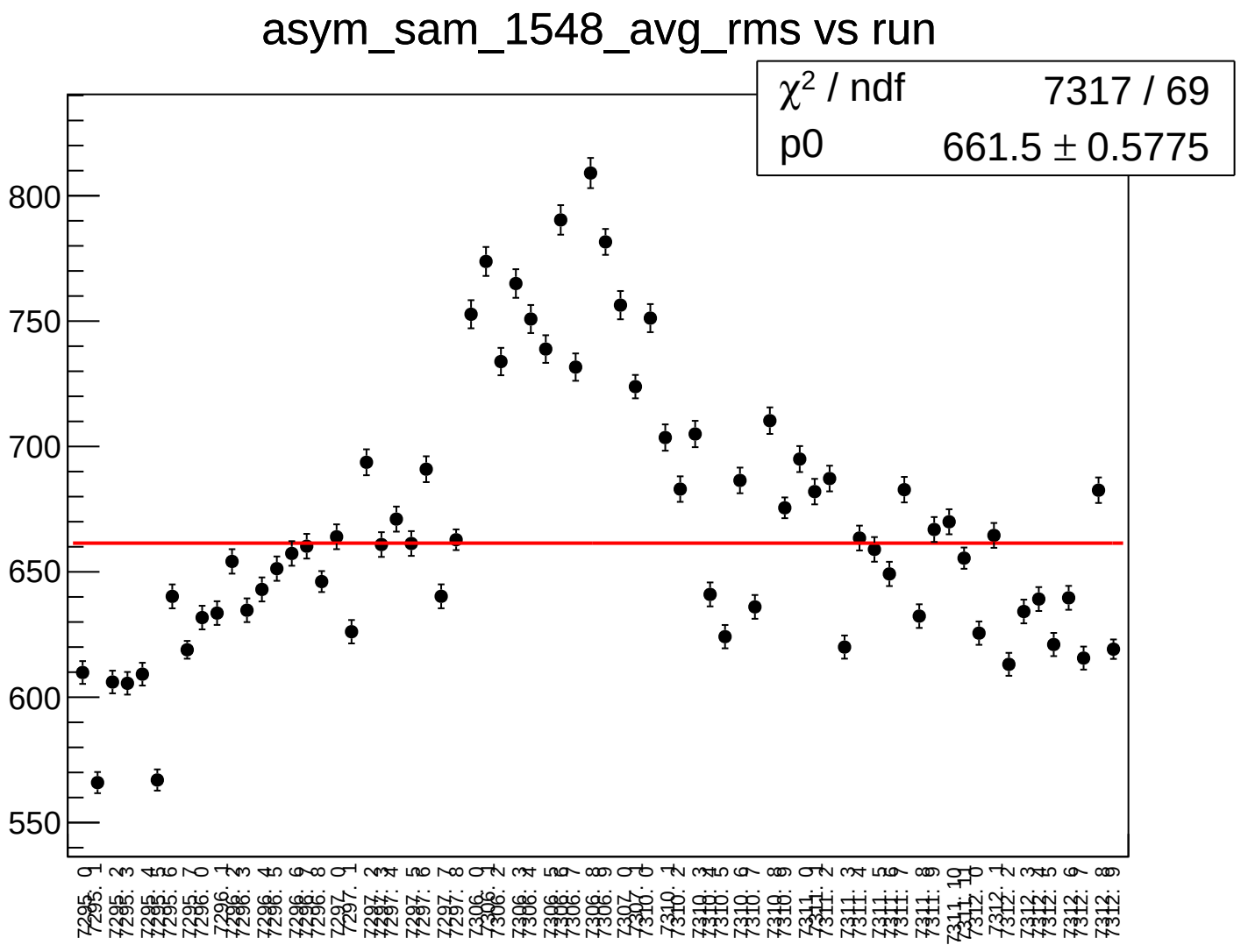

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 67.91 / 69
p0 −1107 ± 853.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 474.4
Std Dev 0
2
1
0
−1
−2
−3

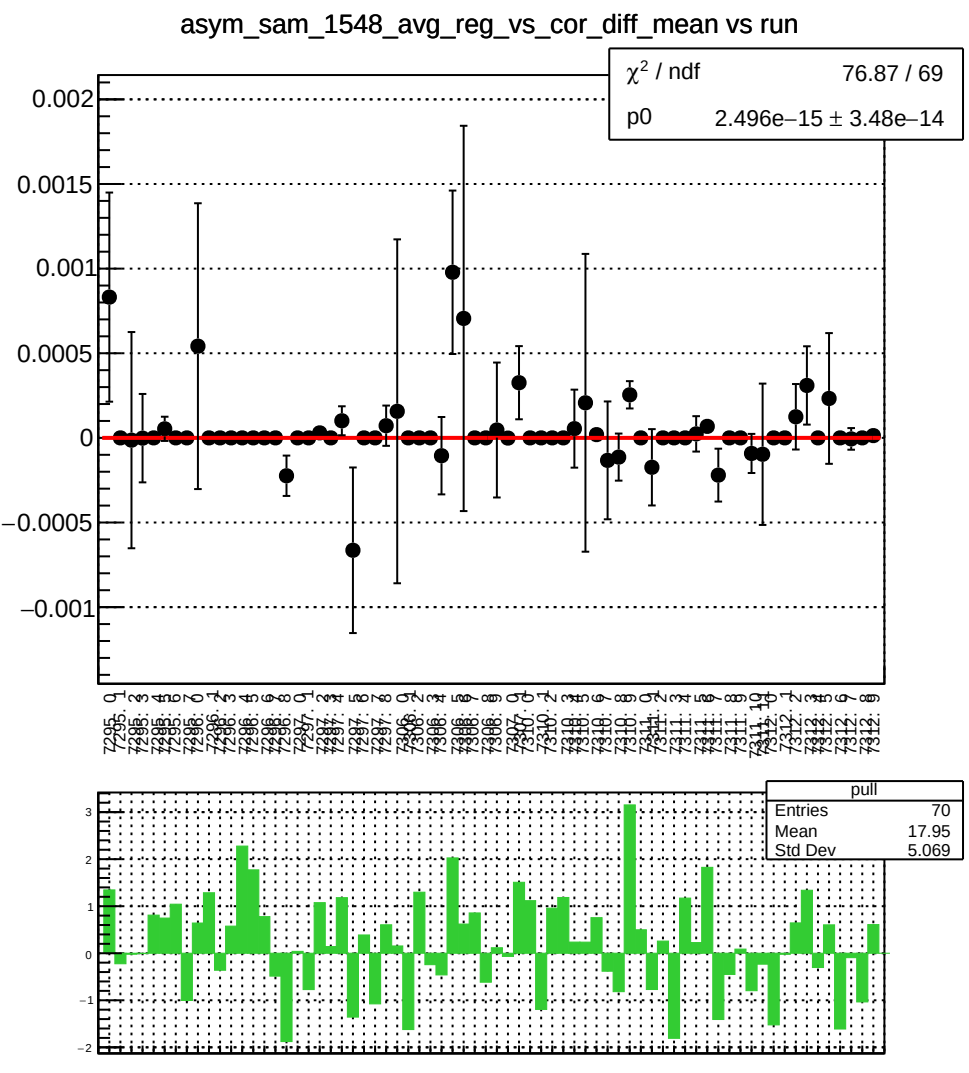

pull1D
Entries 70
Mean −0.007895
Std Dev 0.9849
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

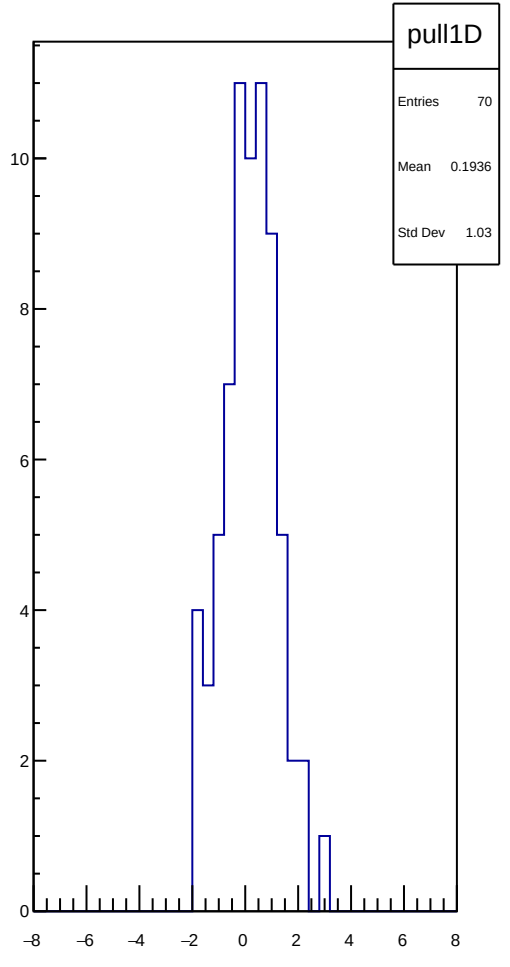

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 5487 / 69
p0 691.8 ± 0.6036
800
750
700
650
600

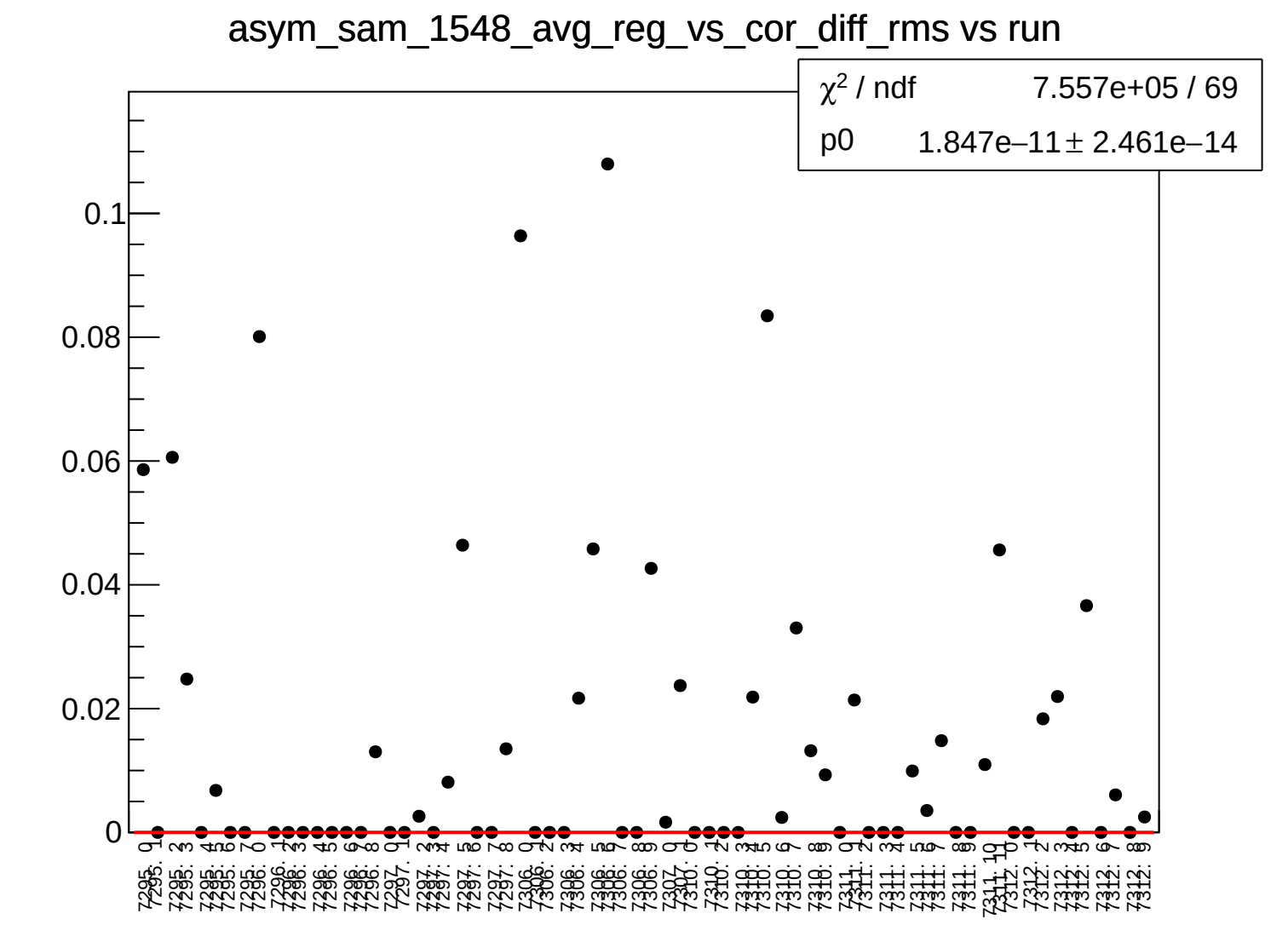

asym_sam_1548_avg_mean vs run
χ² / ndf 70.48 / 69
p0 1124 ± 816.8
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −1285
Std Dev 0
2
1
0
−1
−2

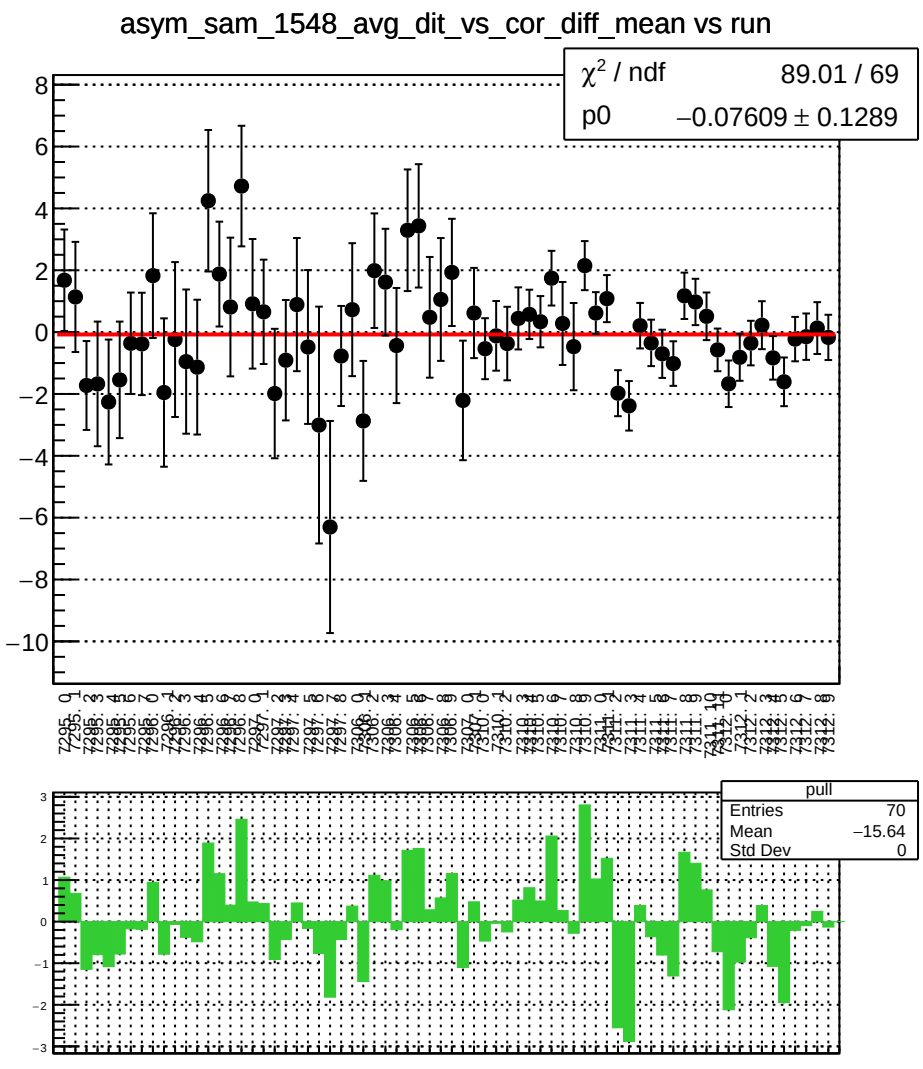

pull1D
Entries 70
Mean −0.002625
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

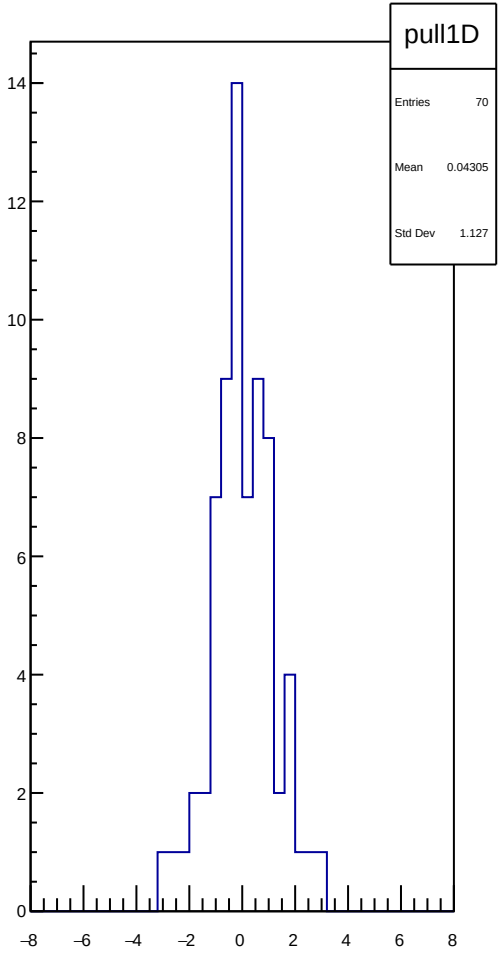

asym_sam_1548_avg_rms vs run
χ^2 / ndf 7317 / 69
p0 661.5 ± 0.5775
800
750
700
650
600
550

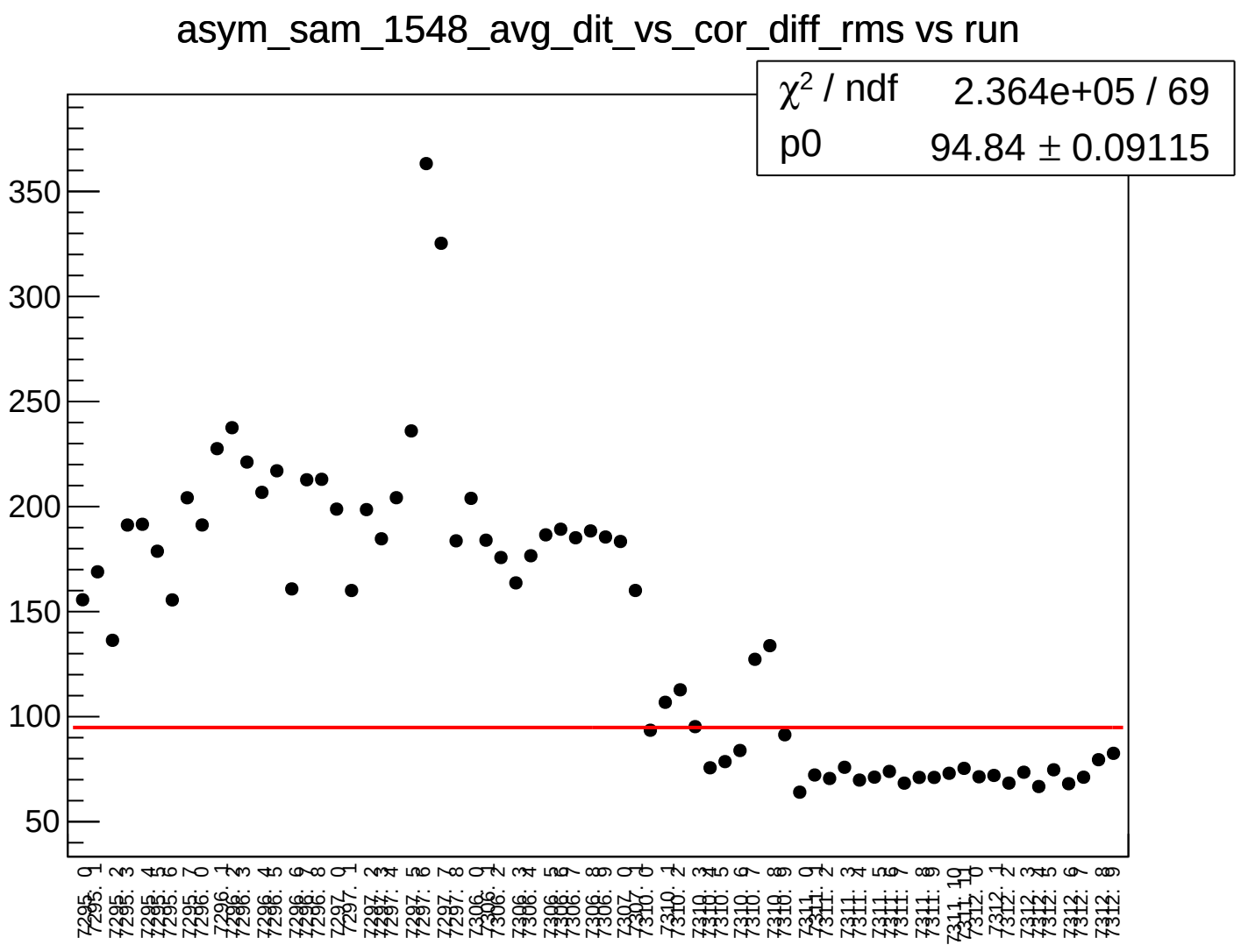

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.87 / 69
p0 2.496e−15 ± 3.48e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean 17.95
Std Dev 5.069
3
2
1
0
−1
−2

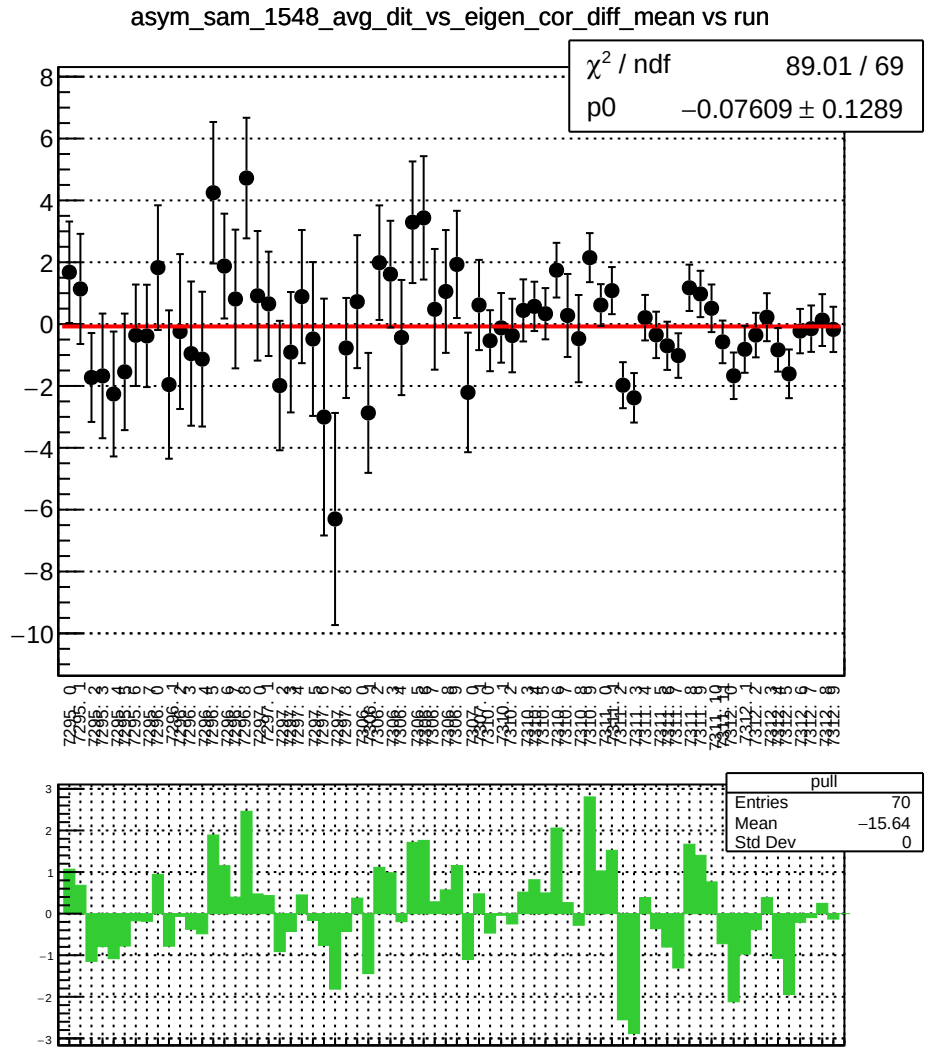

pull1D
Entries 70
Mean 0.1936
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

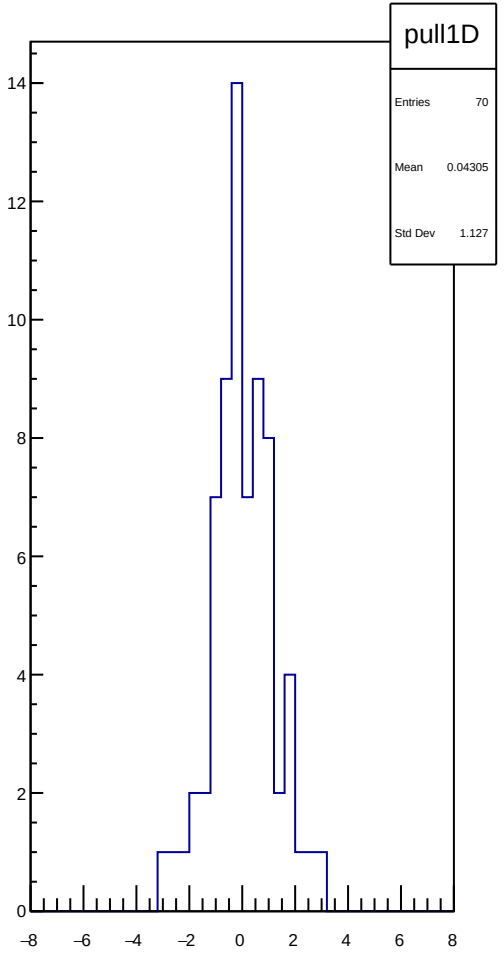

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.557e+05 / 69
p0 1.847e−11 ± 2.461e−14
0.1
0.08
0.06
0.04
0.02
0

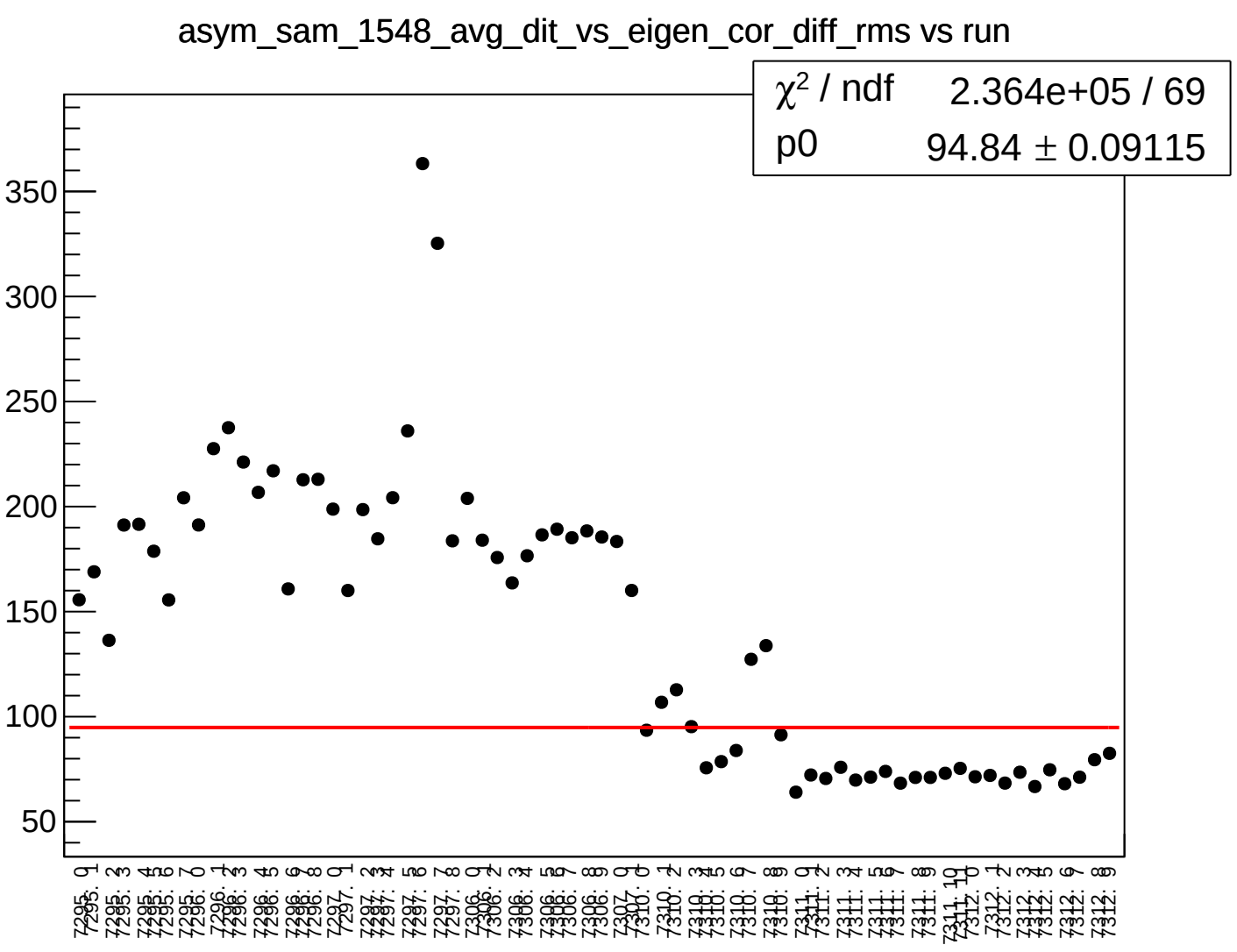

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 89.01 / 69
p0 −0.07609 ± 0.1289
pull
Entries 70
Mean −15.64
Std Dev 0

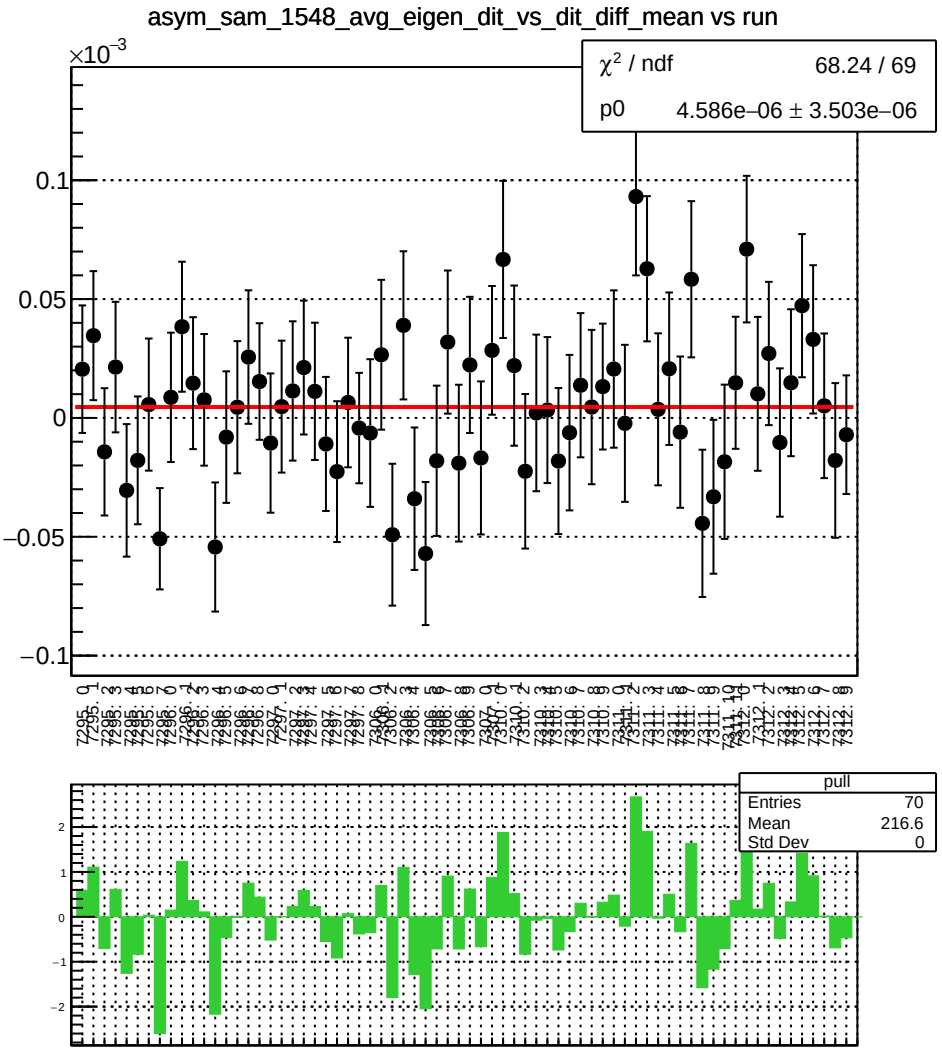

pull1D
Entries 70
Mean 0.04305
Std Dev 1.127

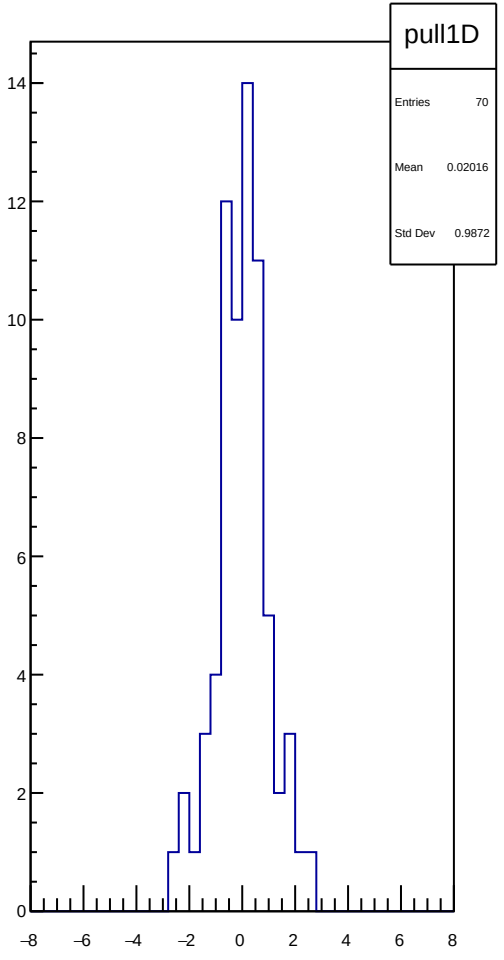

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.364e+05 / 69
p0 94.84 ± 0.09115
350
300
250
200
150
100
50

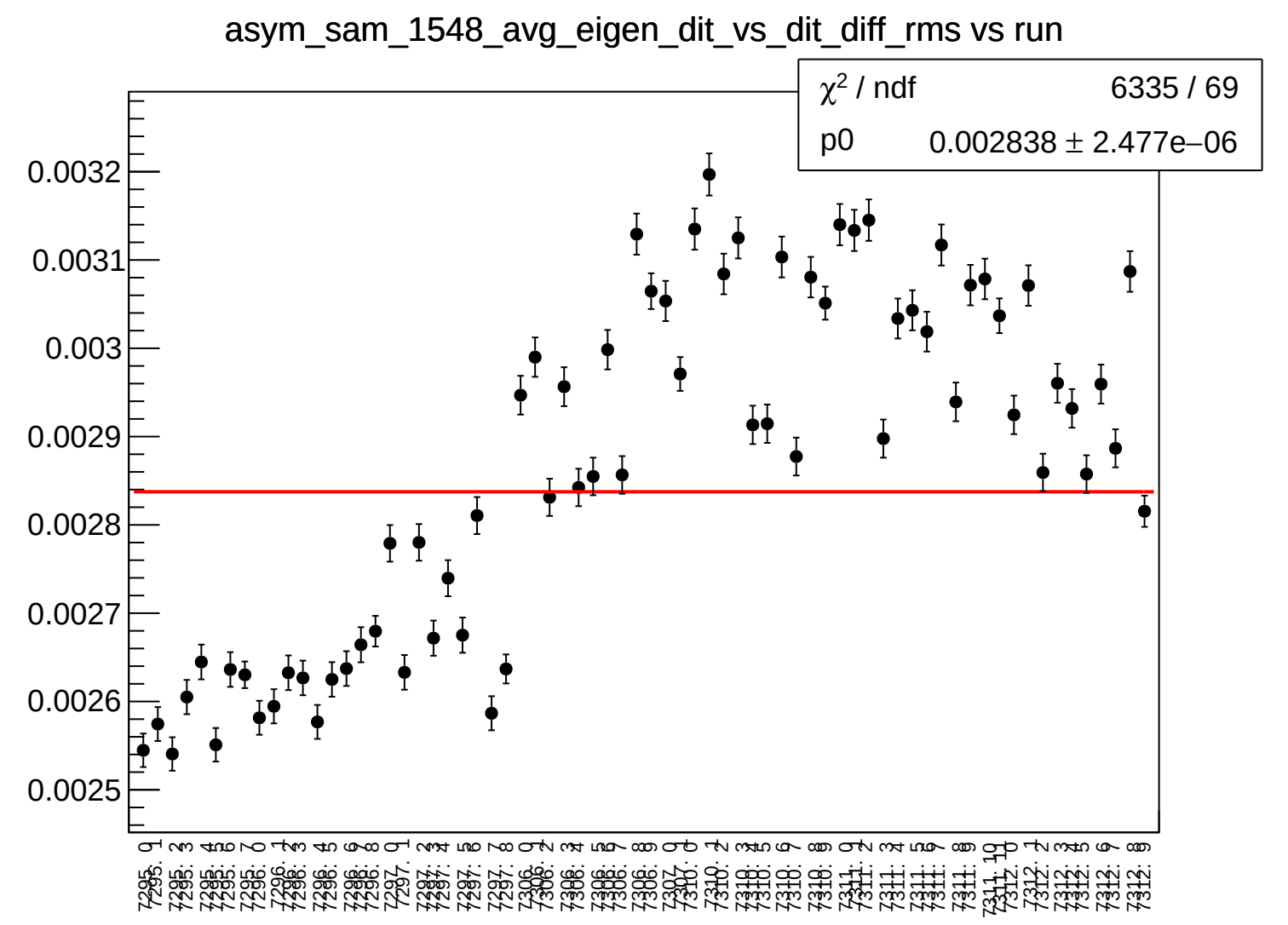

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.01 / 69
p0 −0.07609 ± 0.1289
pull
Entries 70
Mean −15.64
Std Dev 0

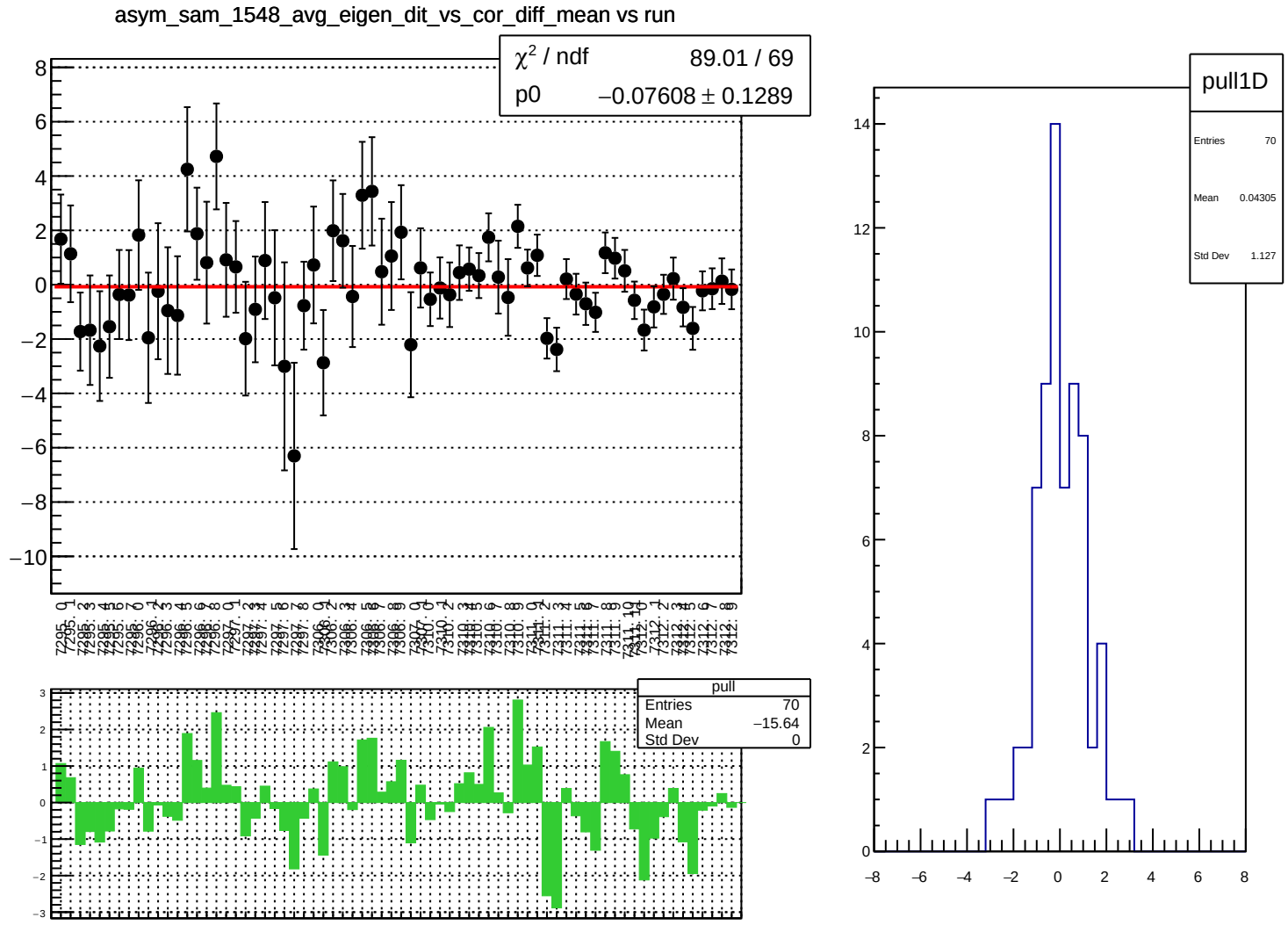

pull1D
Entries 70
Mean 0.04305
Std Dev 1.127

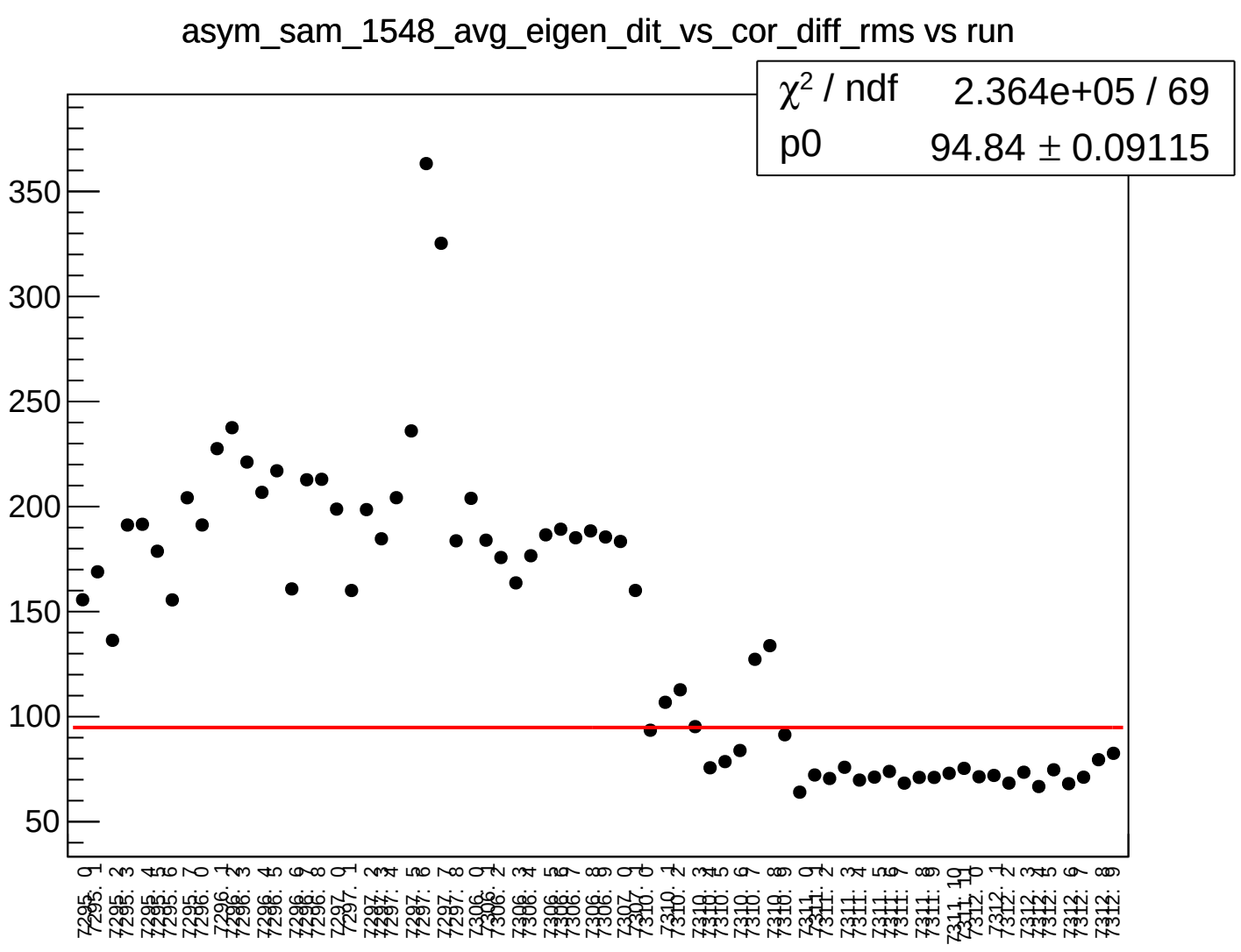

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.364e+05 / 69
p0 94.84 ± 0.09115
350
300
250
200
150
100
50

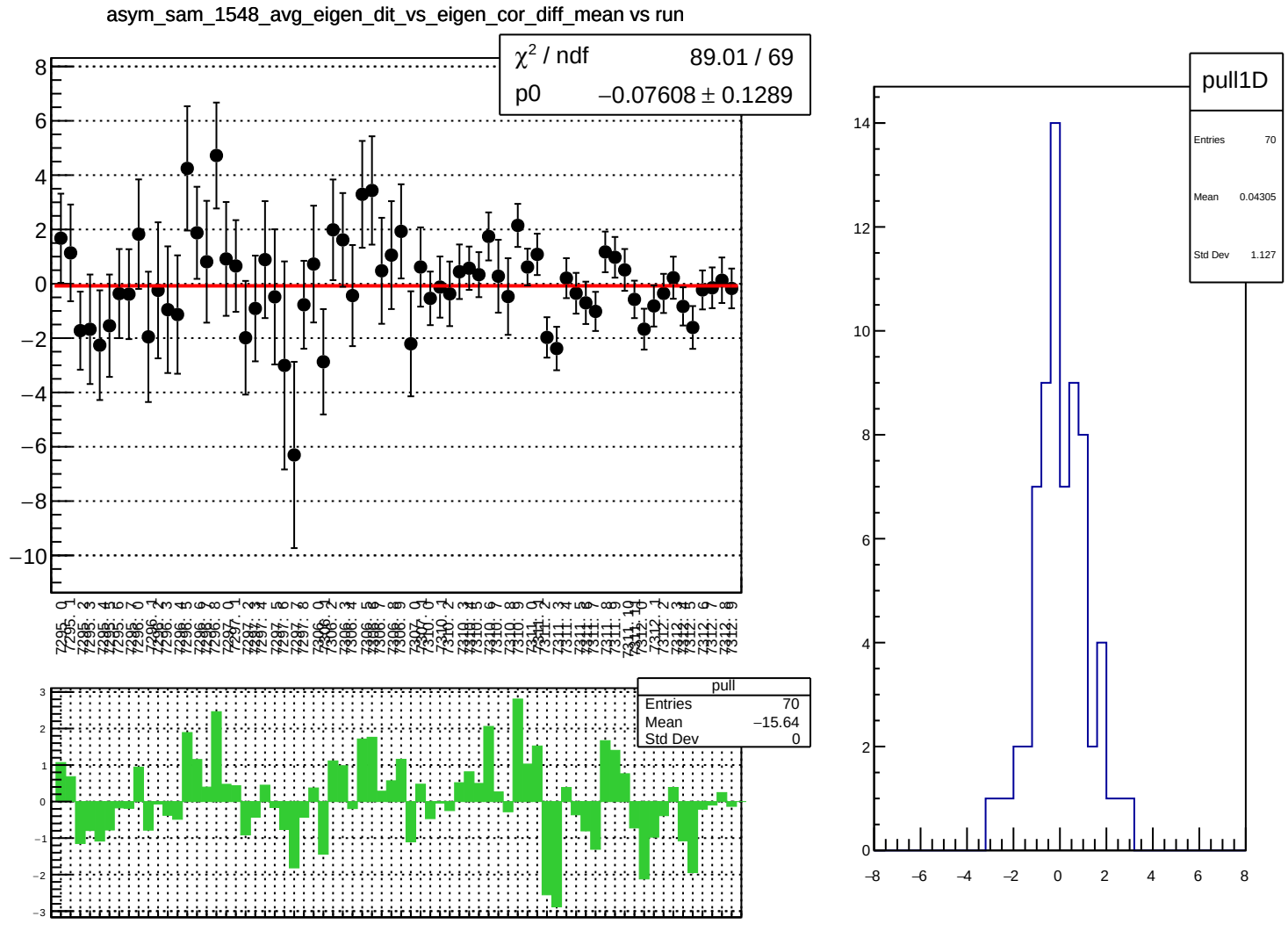

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.24 / 69
p0 4.586e−06 ± 3.503e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 216.6
Std Dev 0
2
1
0
−1
−2

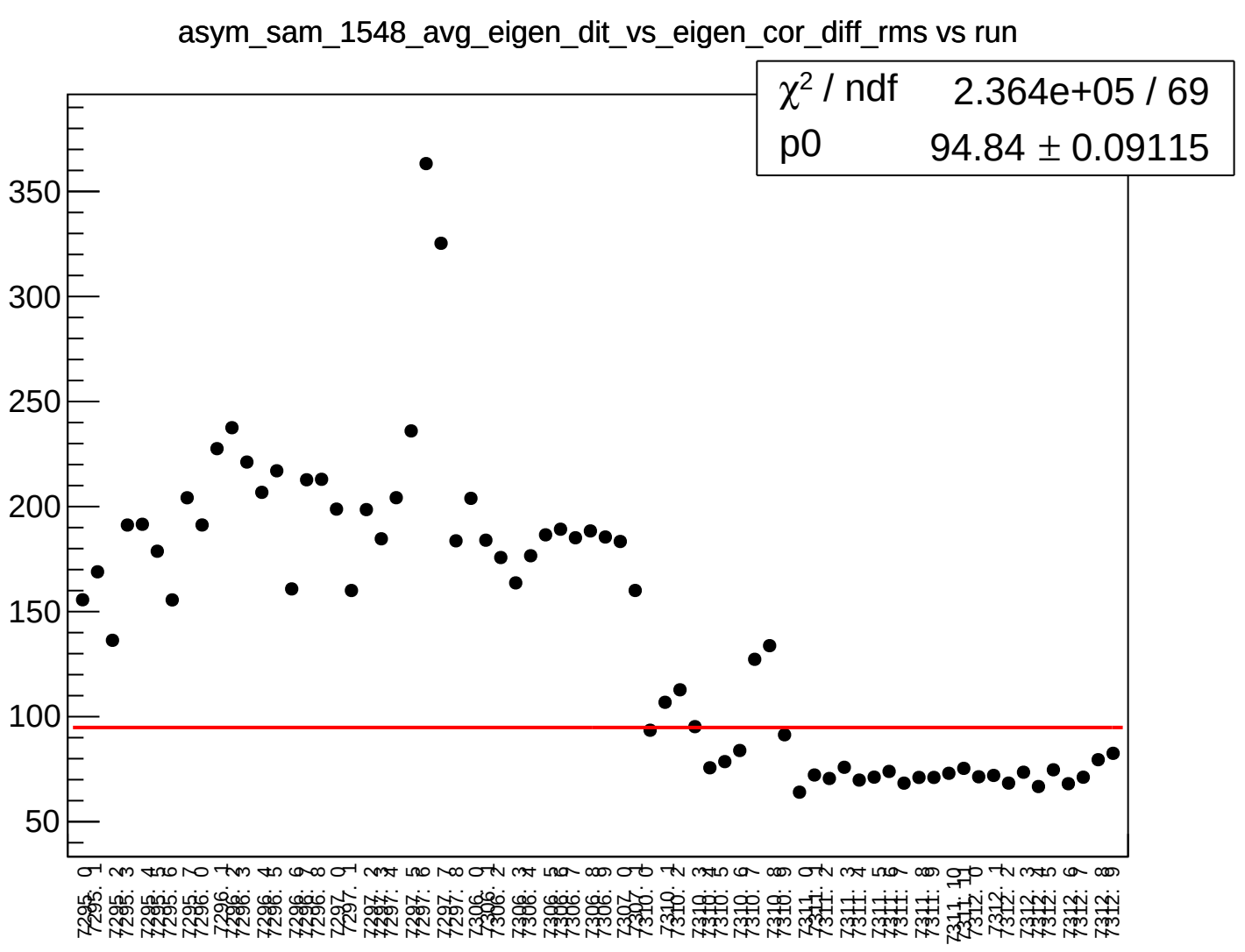

pull1D
Entries 70
Mean 0.02016
Std Dev 0.9872
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

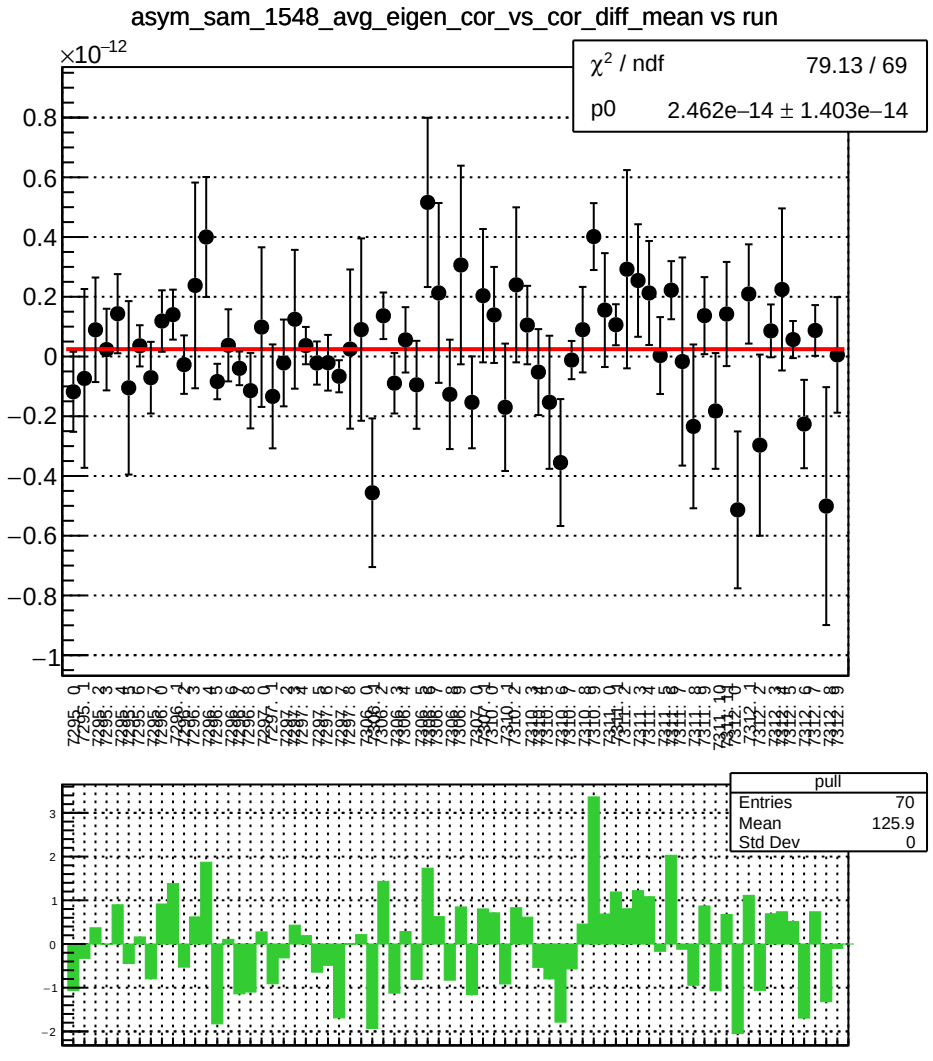

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6335 / 69
p0 0.002838 ± 2.477e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025

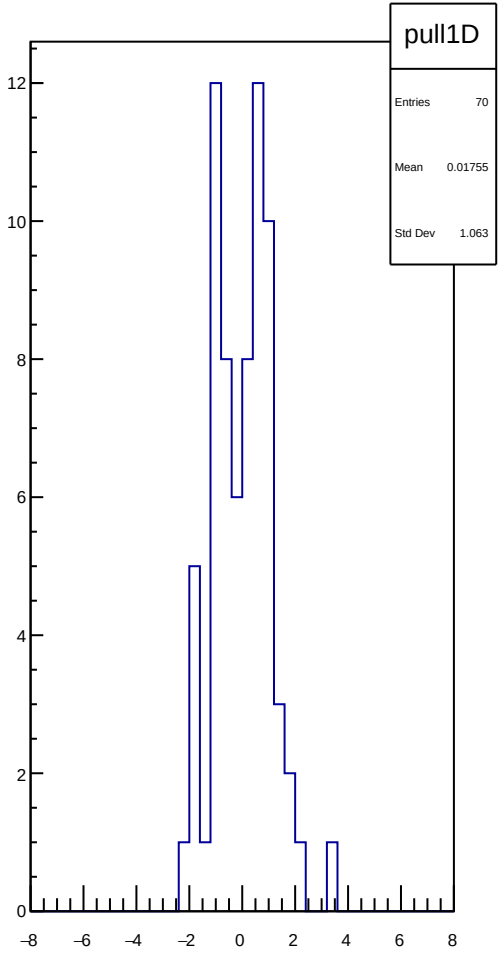

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.01 / 69
p0 −0.07608 ± 0.1289
pull
Entries 70
Mean −15.64
Std Dev 0
pull1D
Entries 70
Mean 0.04305
Std Dev 1.127

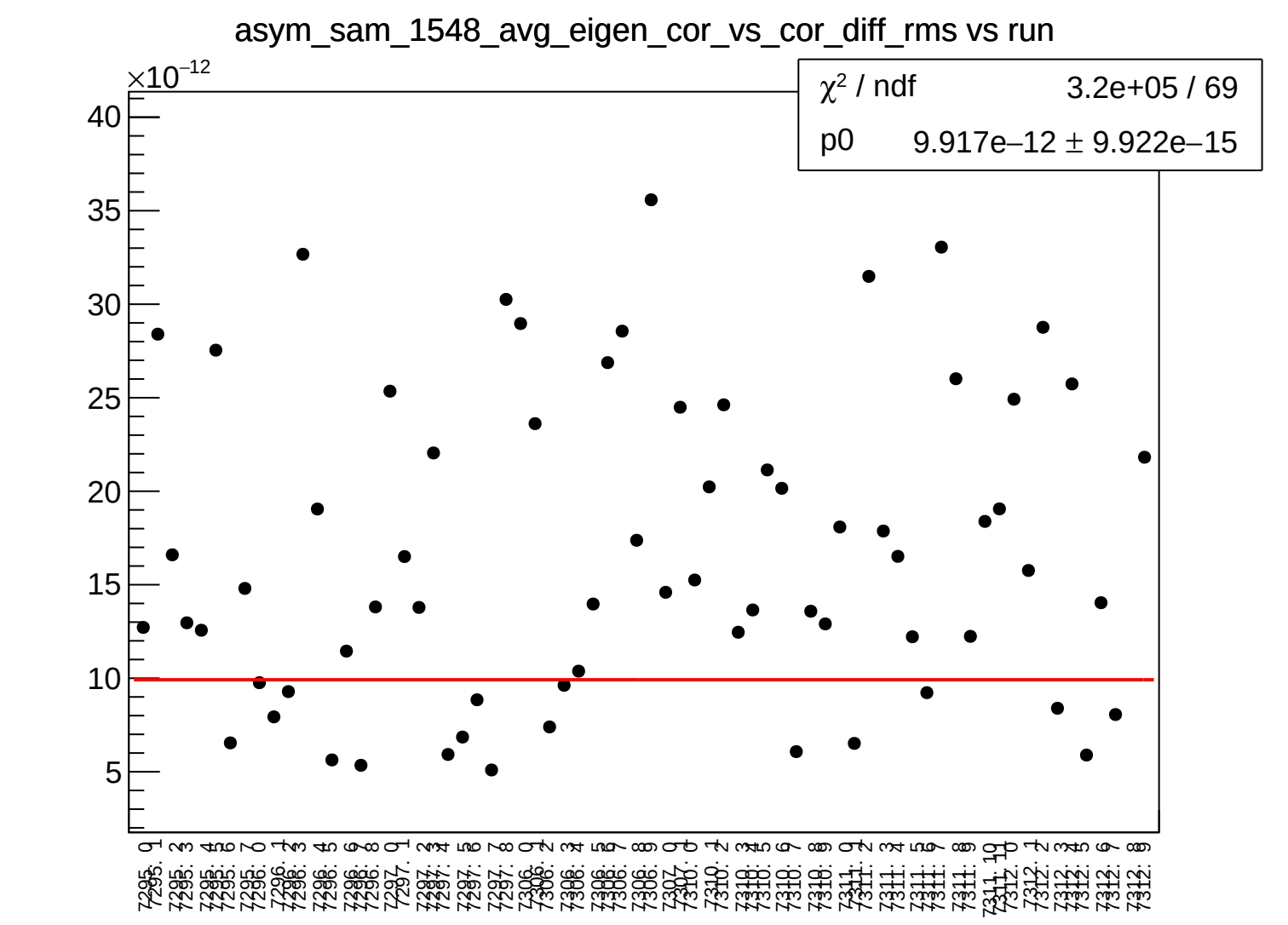

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.364e+05 / 69
p0 94.84 ± 0.09115
350
300
250
200
150
100
50

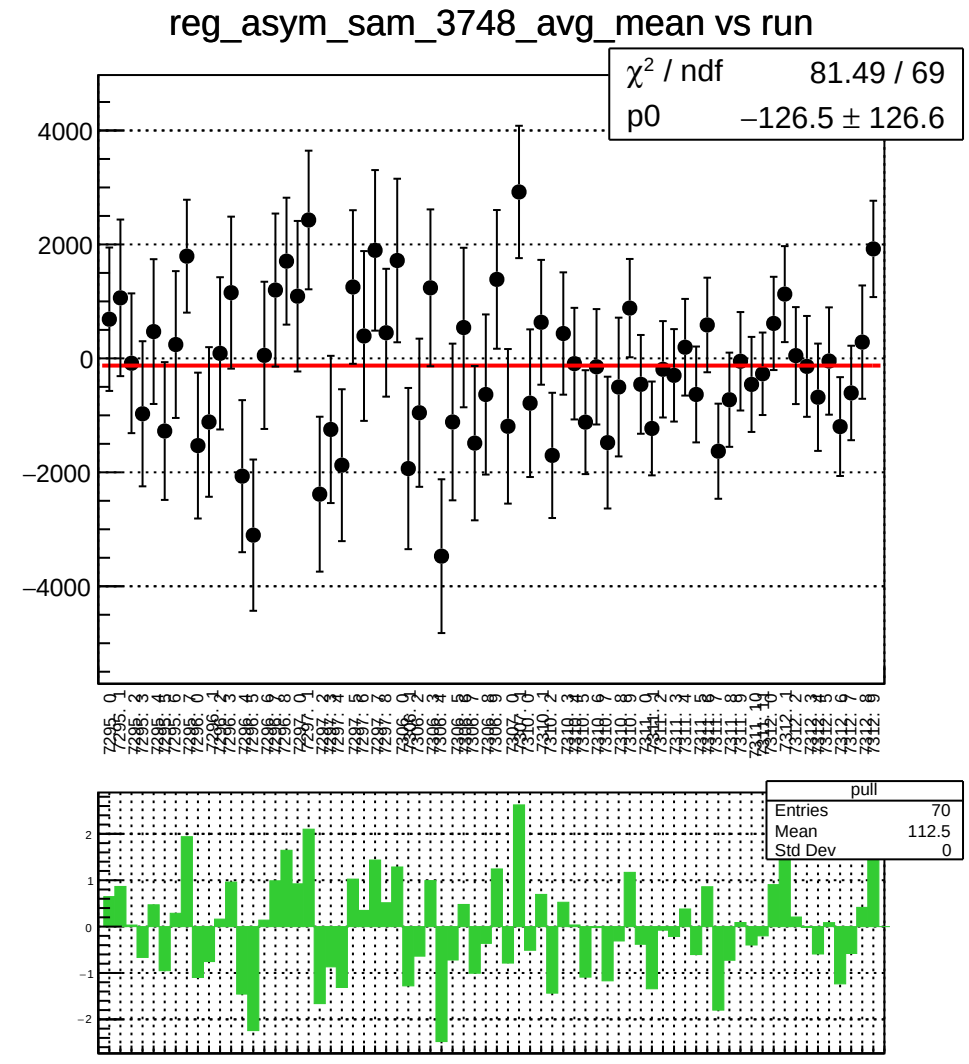

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.01 / 69
p0 −0.07608 ± 0.1289
pull
Entries 70
Mean −15.64
Std Dev 0
pull1D
Entries 70
Mean 0.04305
Std Dev 1.127

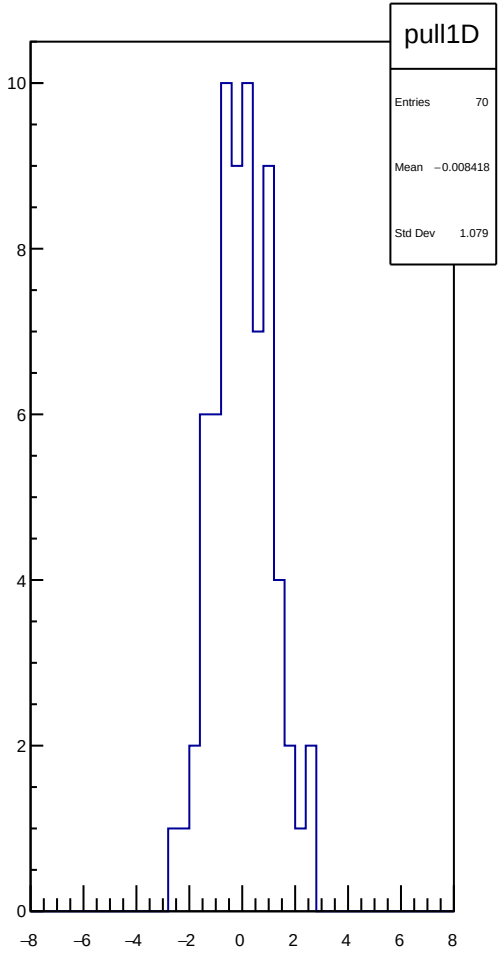

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.364e+05 / 69
p0 94.84 ± 0.09115
350
300
250
200
150
100
50

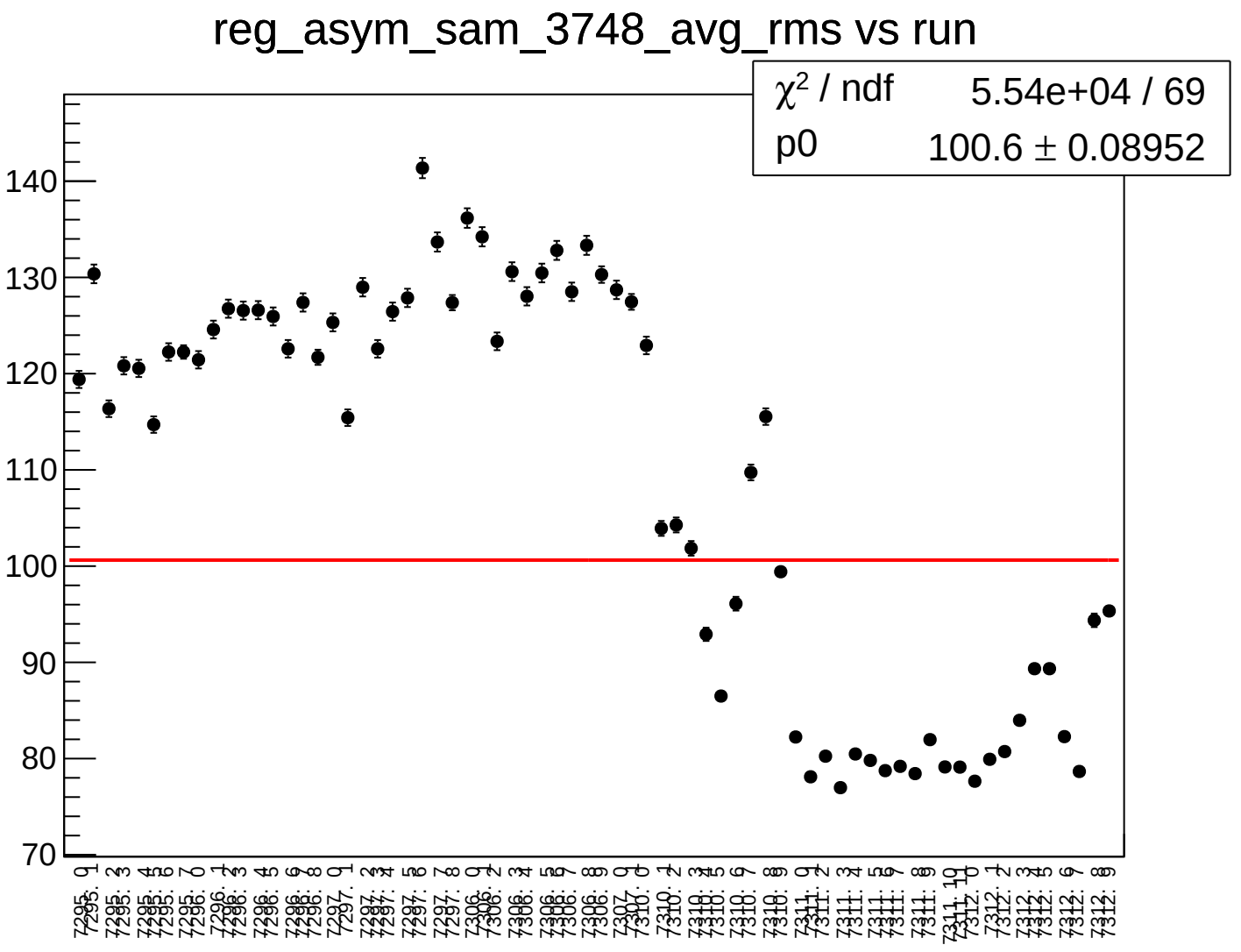

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.13 / 69
p0 2.462e−14 ± 1.403e−14
pull
Entries 70
Mean 125.9
Std Dev 0

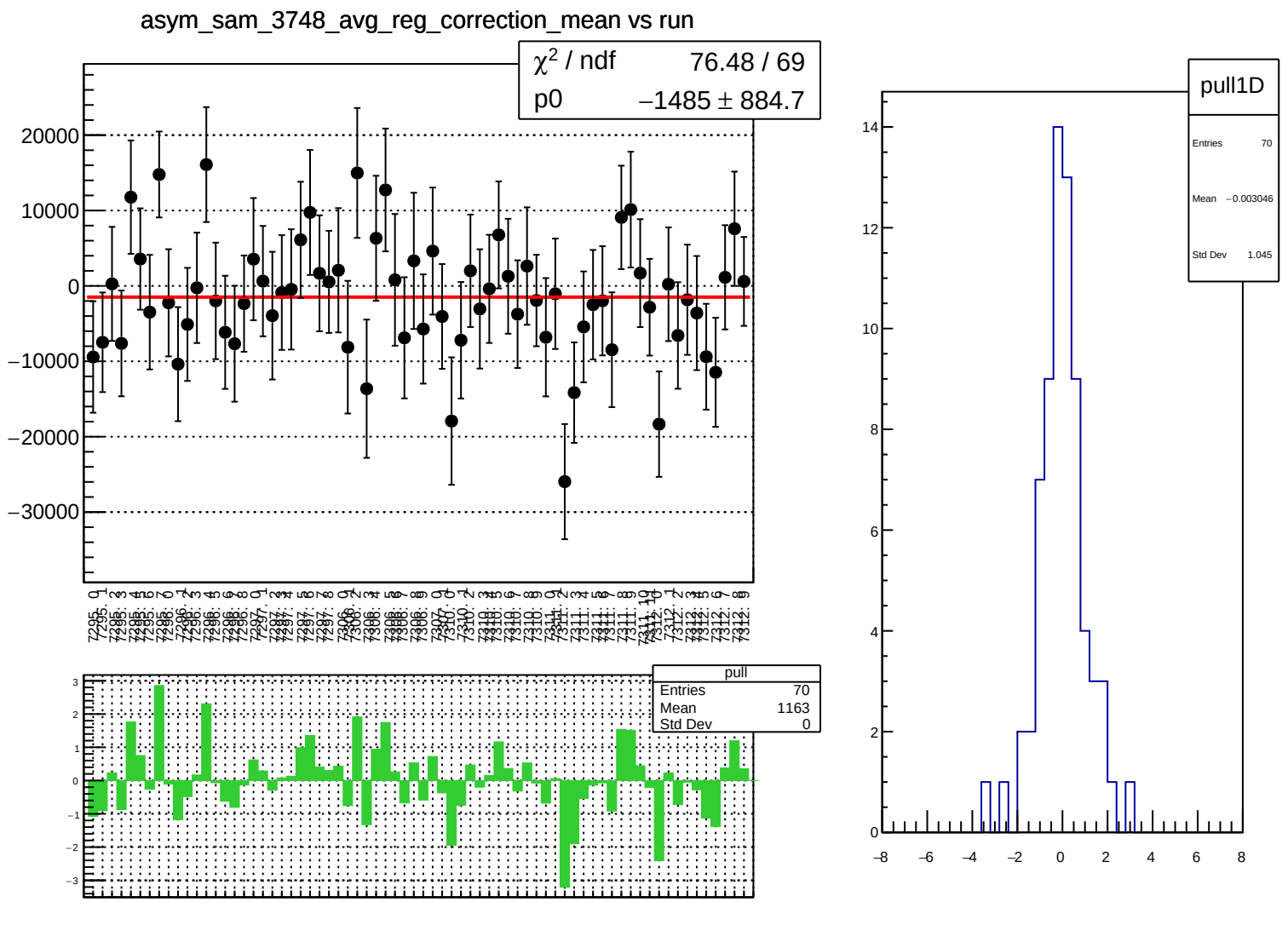

pull1D
Entries 70
Mean 0.01755
Std Dev 1.063

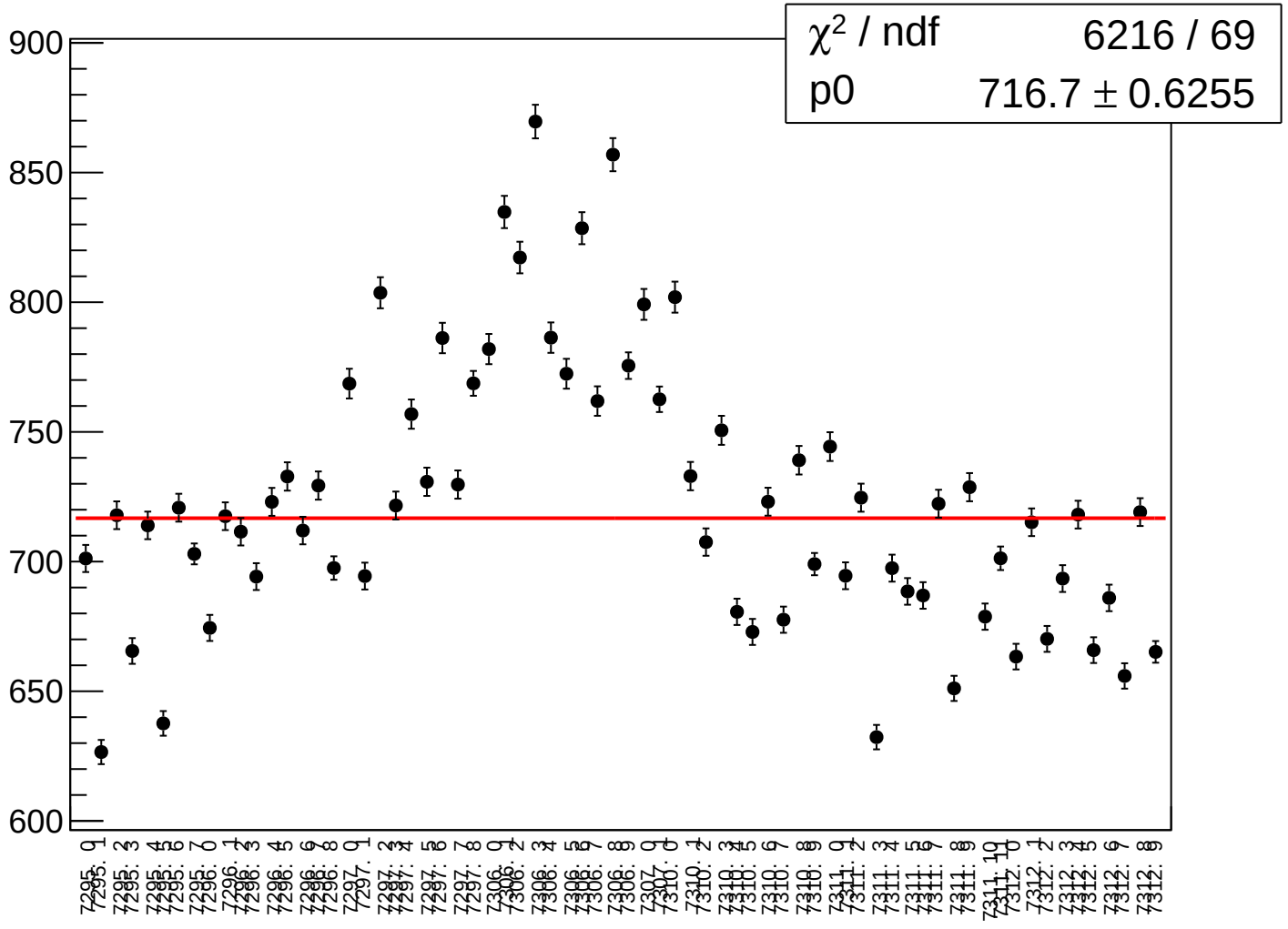

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.2e+05 / 69
p0 9.917e−12 ± 9.922e−15
40
35
30
25
20
15
10
5

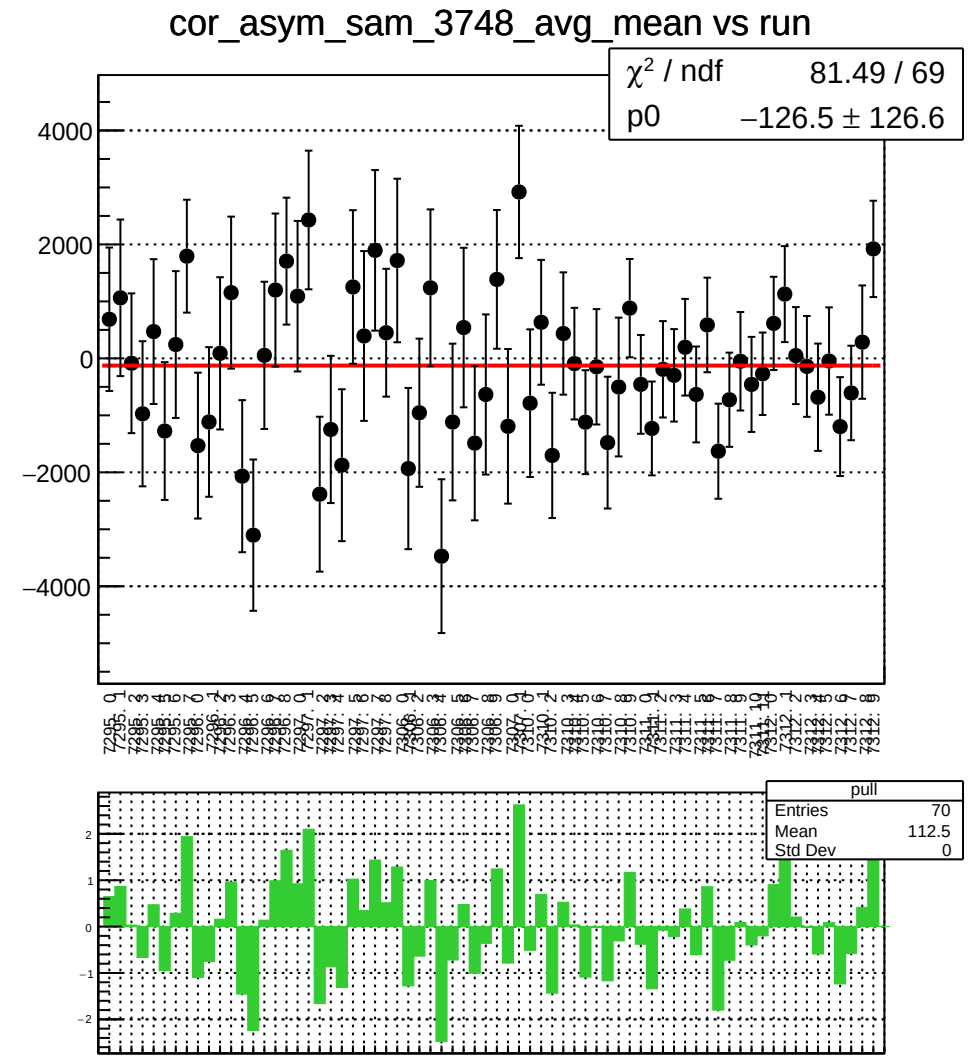

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 81.49 / 69
p0 −126.5 ± 126.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 112.5
Std Dev 0
2
1
0
−1
−2

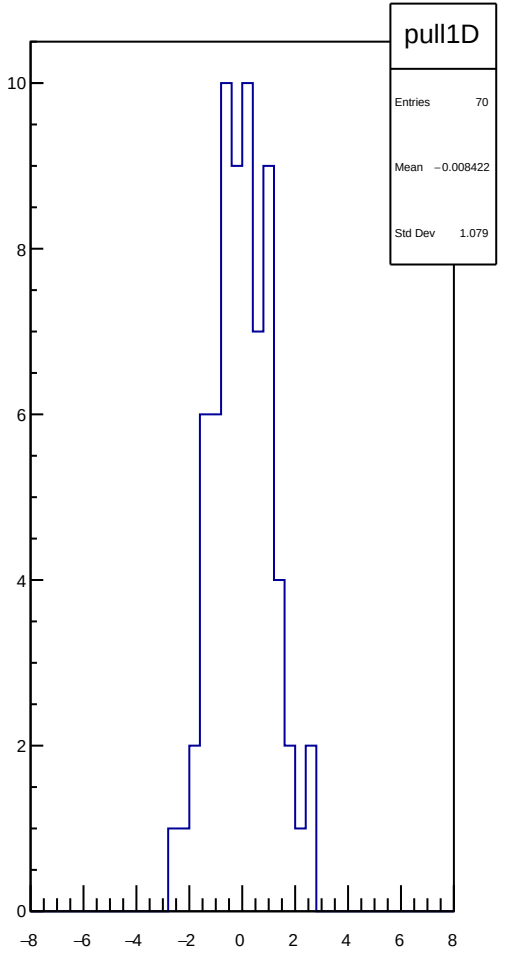

pull1D
Entries 70
Mean −0.008418
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

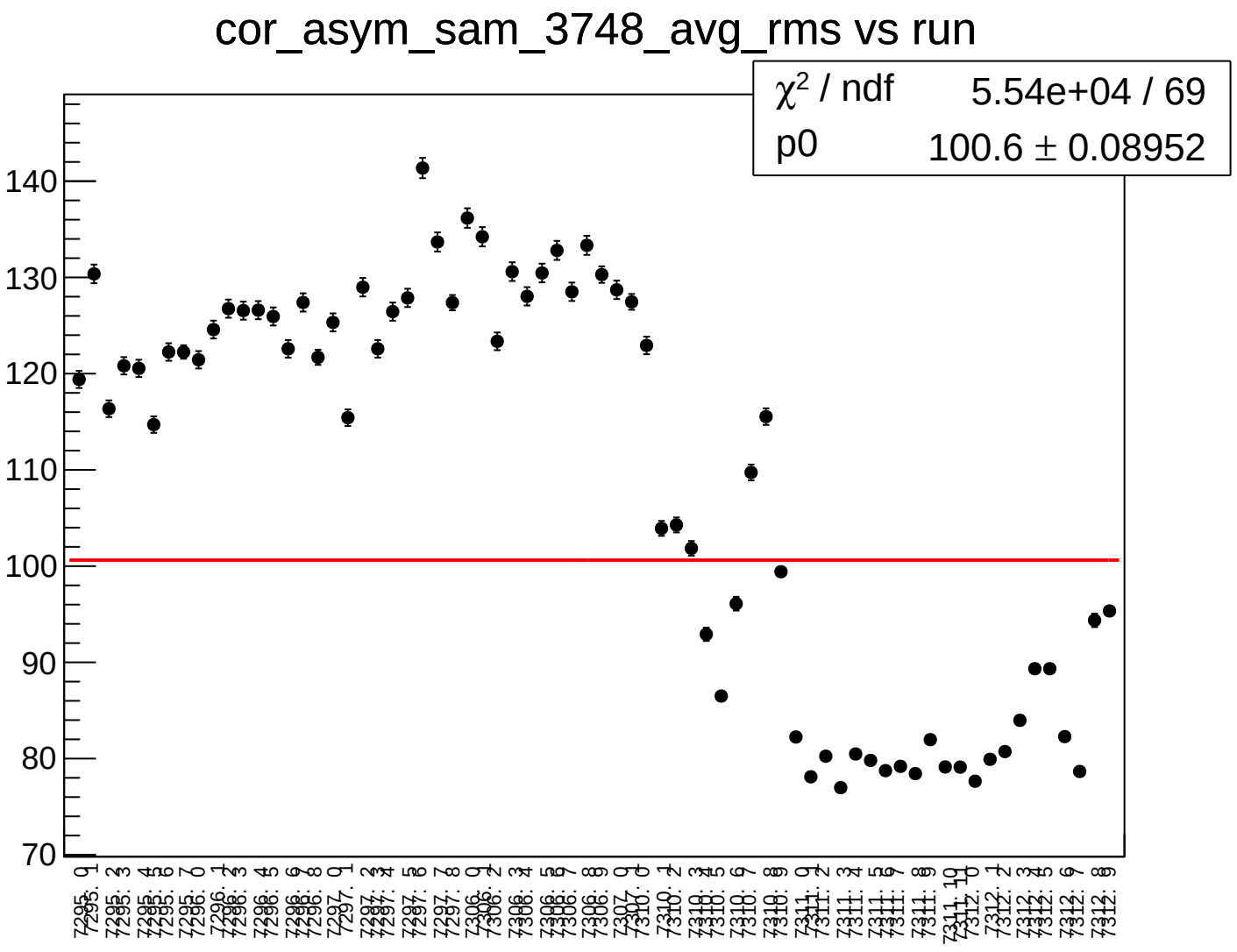

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 5.54e+04 / 69
p0 100.6 ± 0.08952
140
130
120
110
100
90
80
70

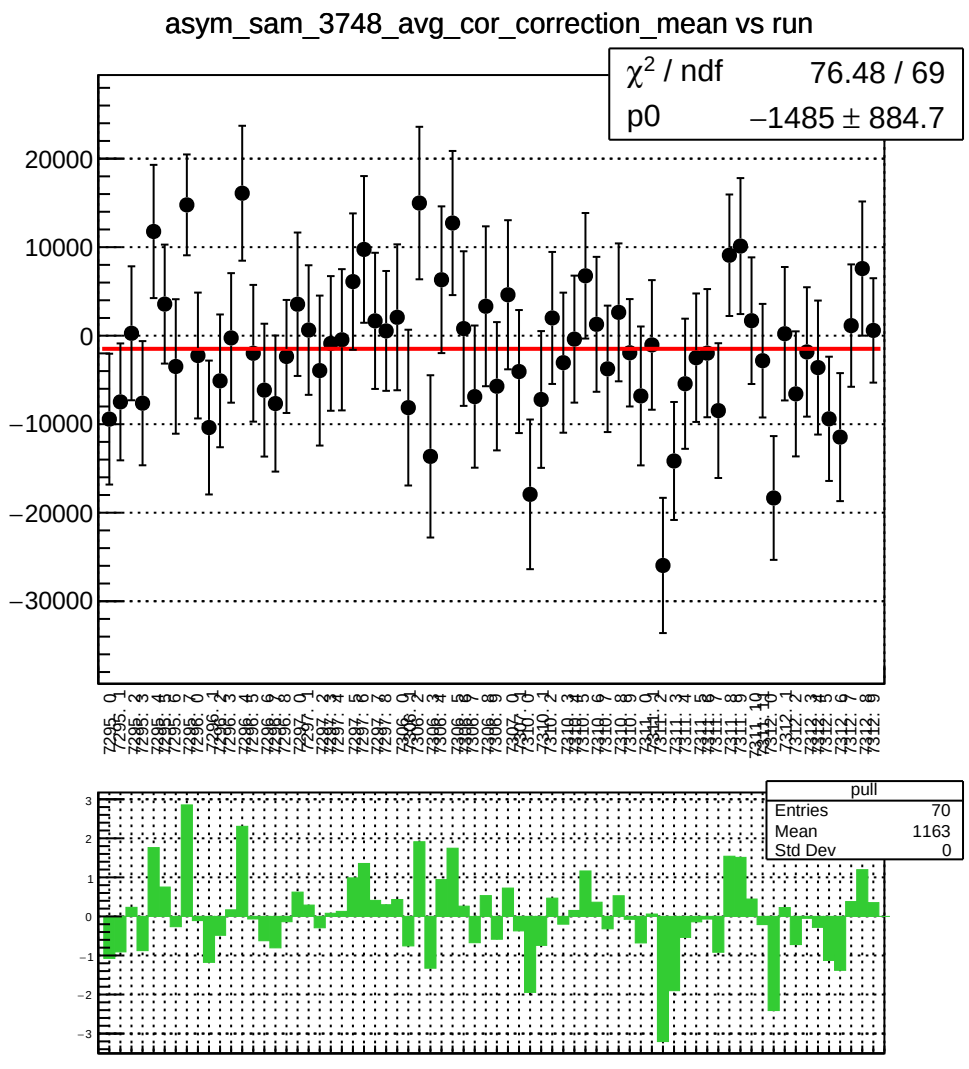

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 76.48 / 69
p0 −1485 ± 884.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1163
Std Dev 0
pull1D
Entries 70
Mean −0.003046
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

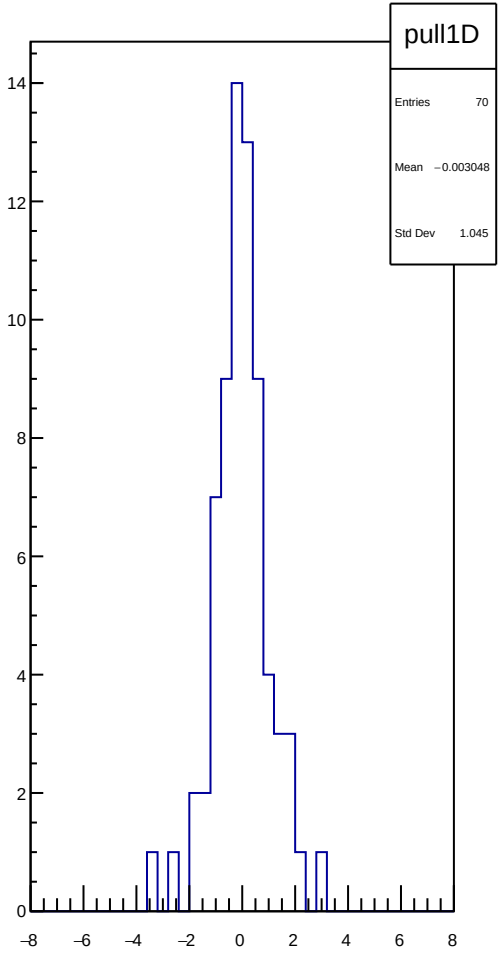

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 6216 / 69
p0 716.7 ± 0.6255
900
850
800
750
700
650
600

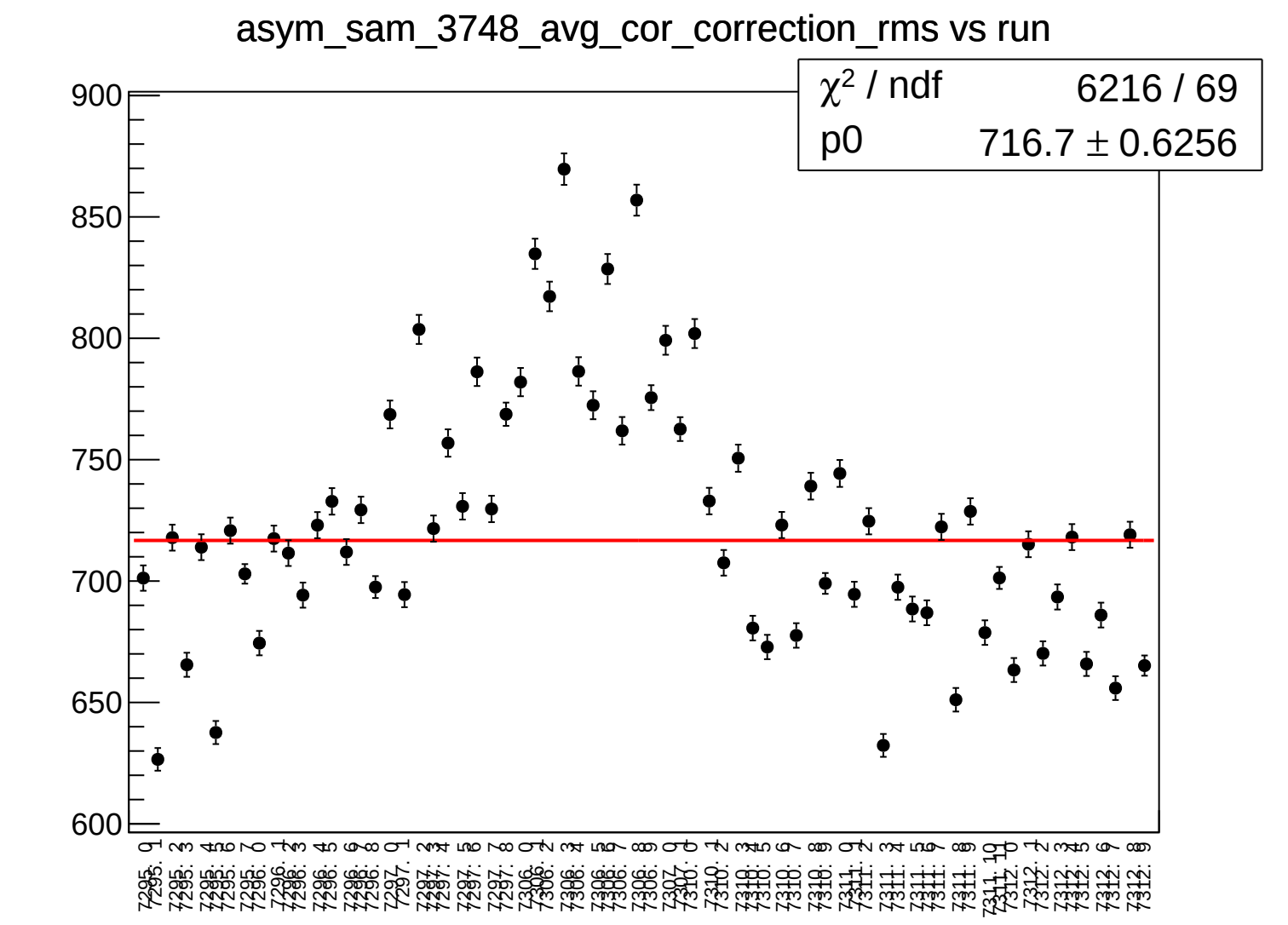

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 81.49 / 69
p0 −126.5 ± 126.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 112.5
Std Dev 0
2
1
0
−1
−2

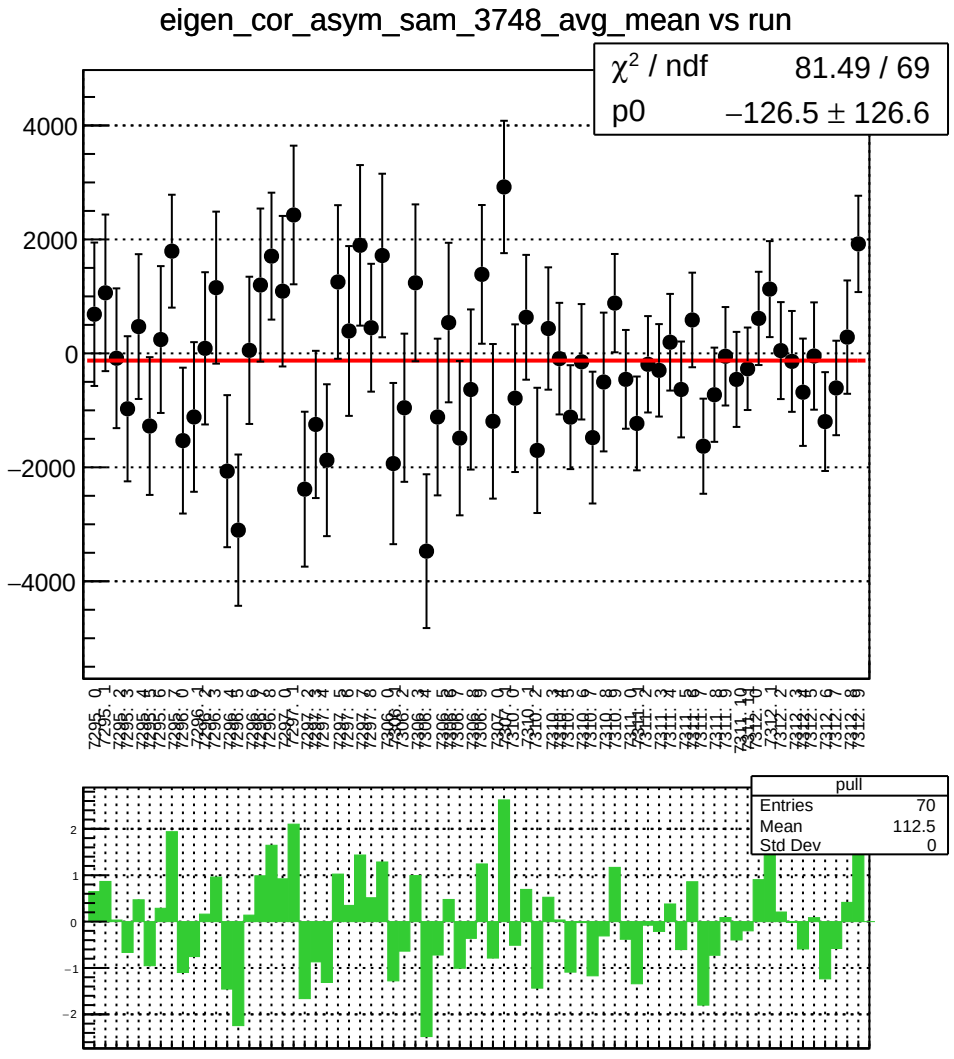

pull1D
Entries 70
Mean −0.008422
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

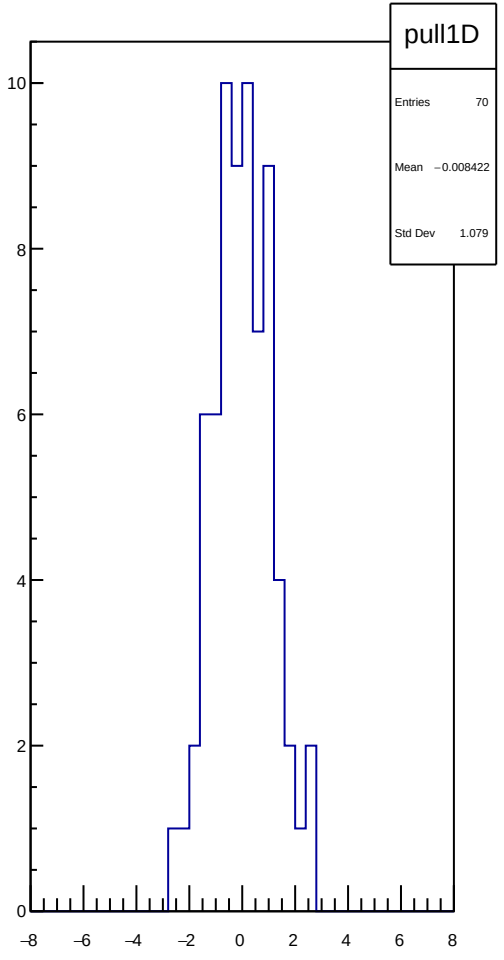

cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 5.54e+04 / 69
p0 100.6 ± 0.08952
140
130
120
110
100
90
80
70

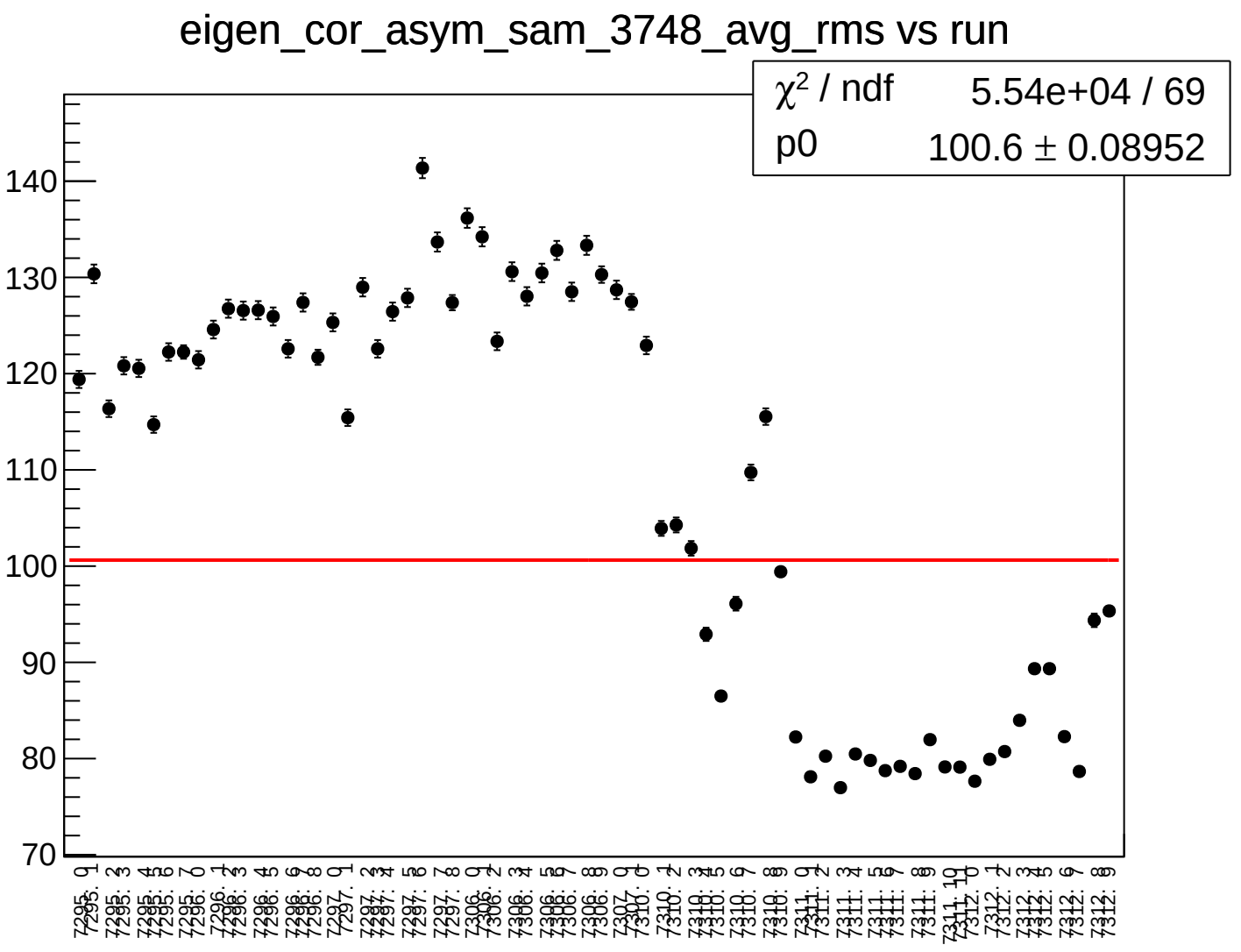

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 76.48 / 69
p0 −1485 ± 884.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1163
Std Dev 0
3
2
1
0
−1
−2
−3

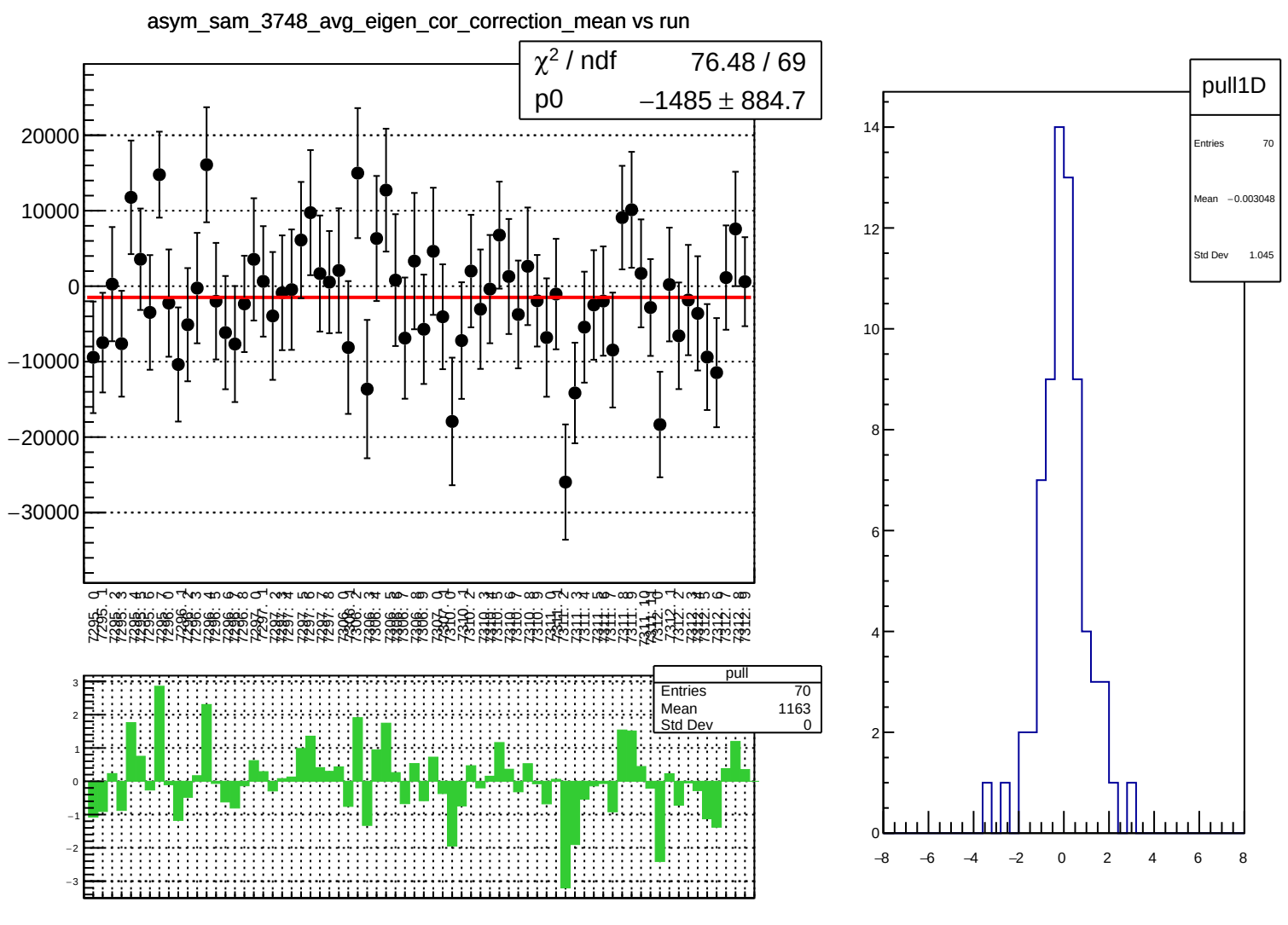

pull1D
Entries 70
Mean −0.003048
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

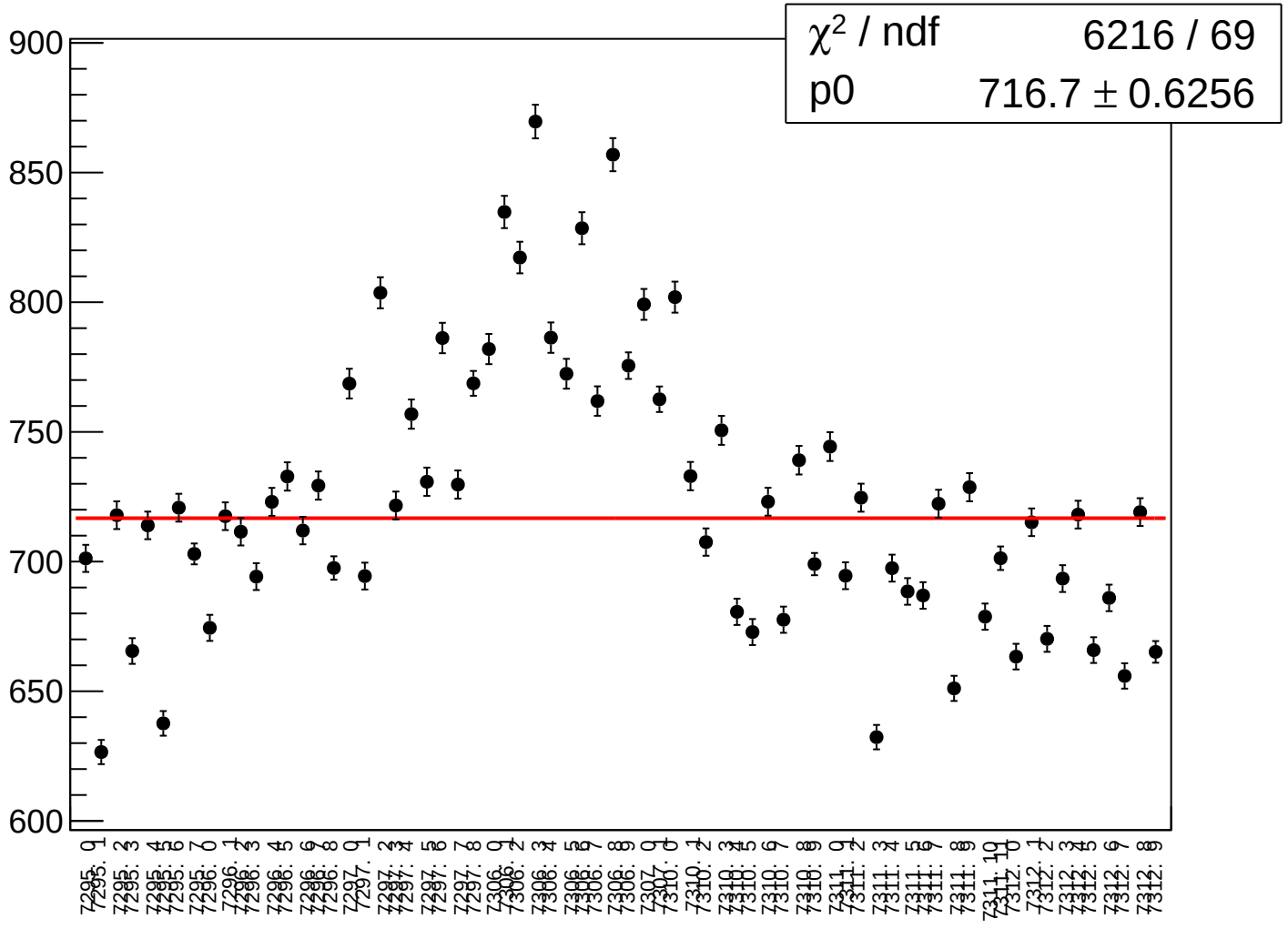

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 6216 / 69
p0 716.7 ± 0.6256
900
850
800
750
700
650
600

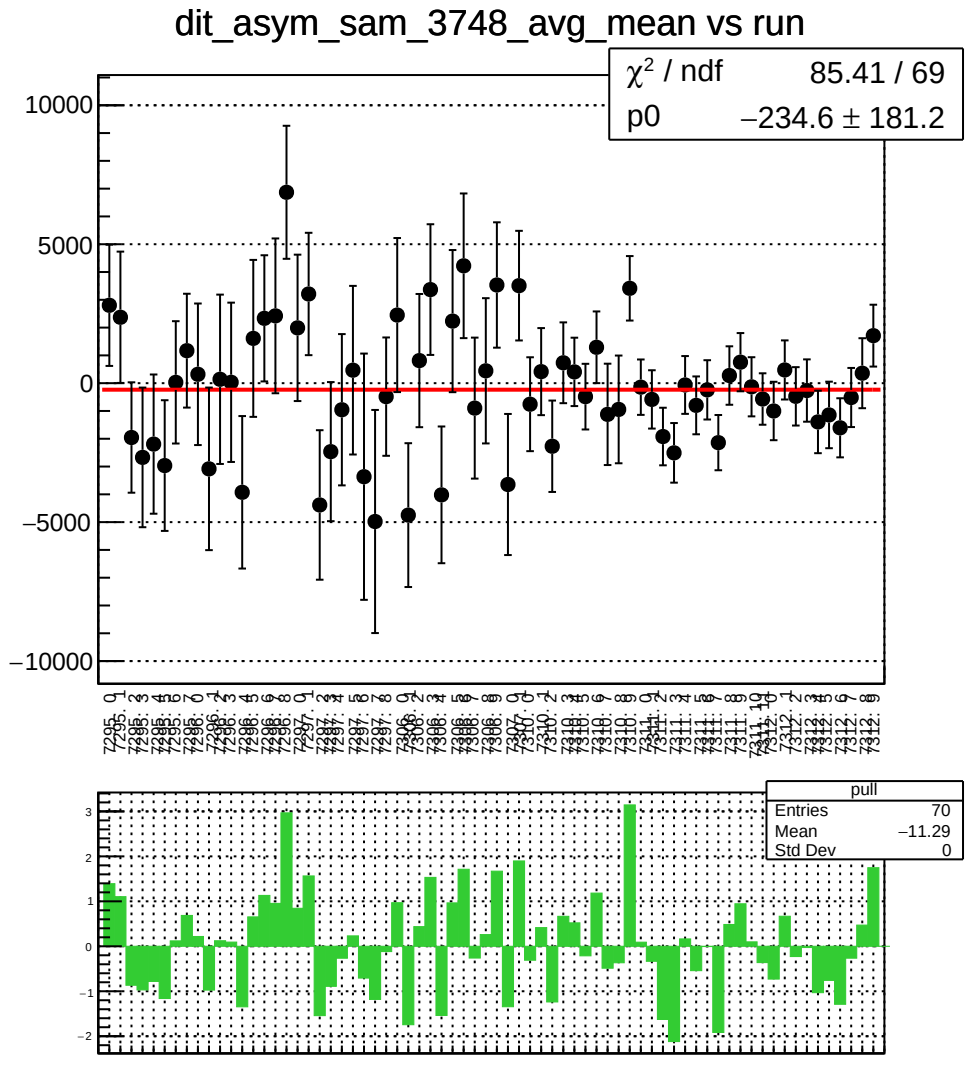

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 81.49 / 69
p0 −126.5 ± 126.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 112.5
Std Dev 0
2
1
0
−1
−2

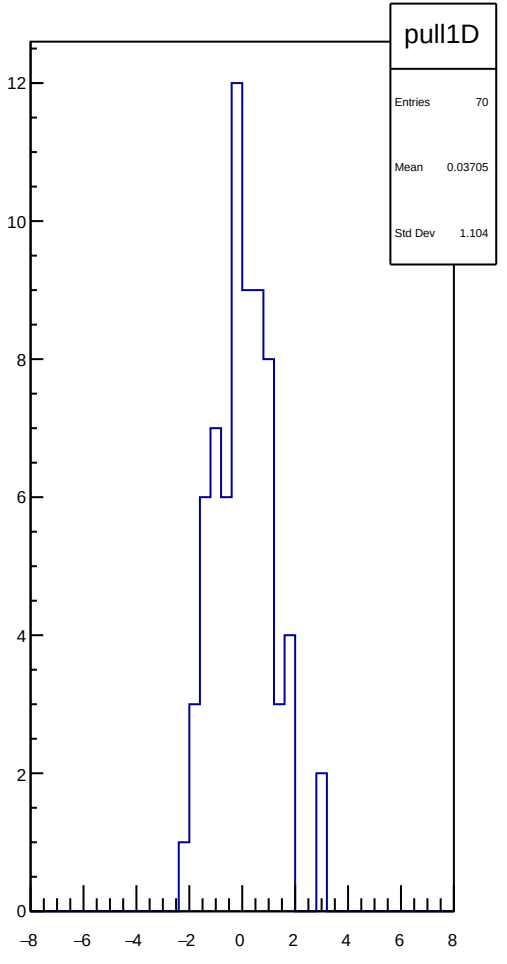

pull1D
Entries 70
Mean −0.008422
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

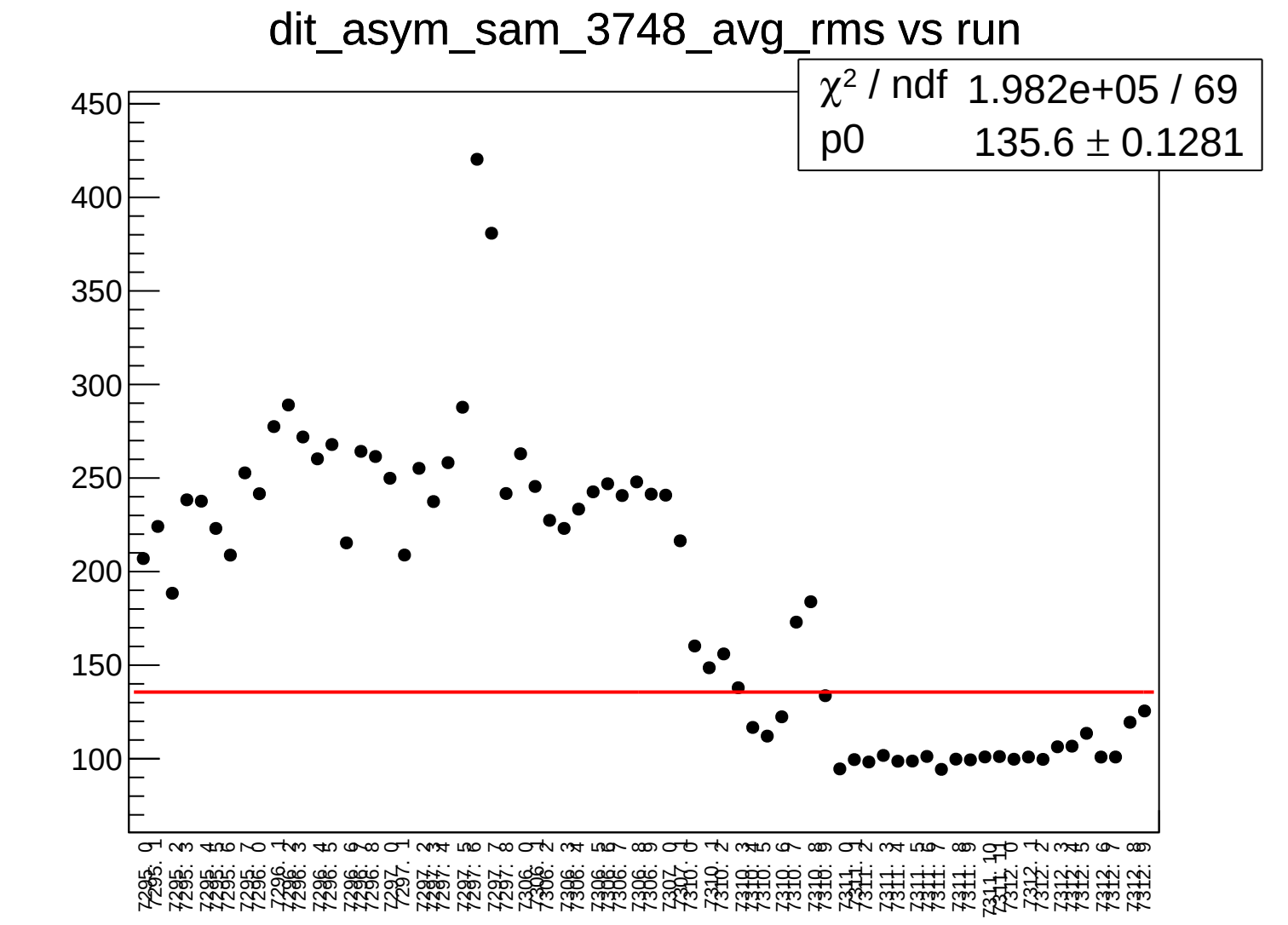

eigen_cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 5.54e+04 / 69
p0 100.6 ± 0.08952
140
130
120
110
100
90
80
70

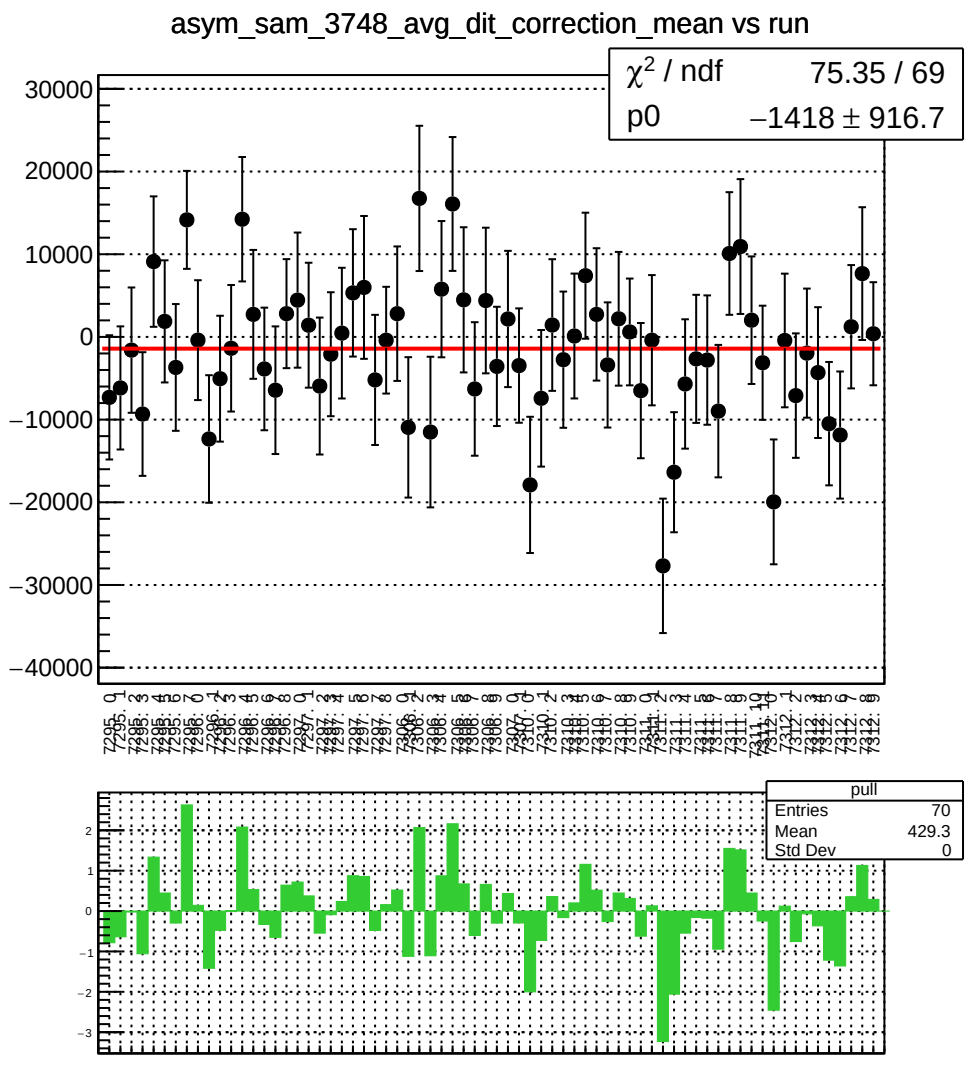

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.48 / 69
p0 −1485 ± 884.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1163
Std Dev 0
pull1D
Entries 70
Mean −0.003048
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

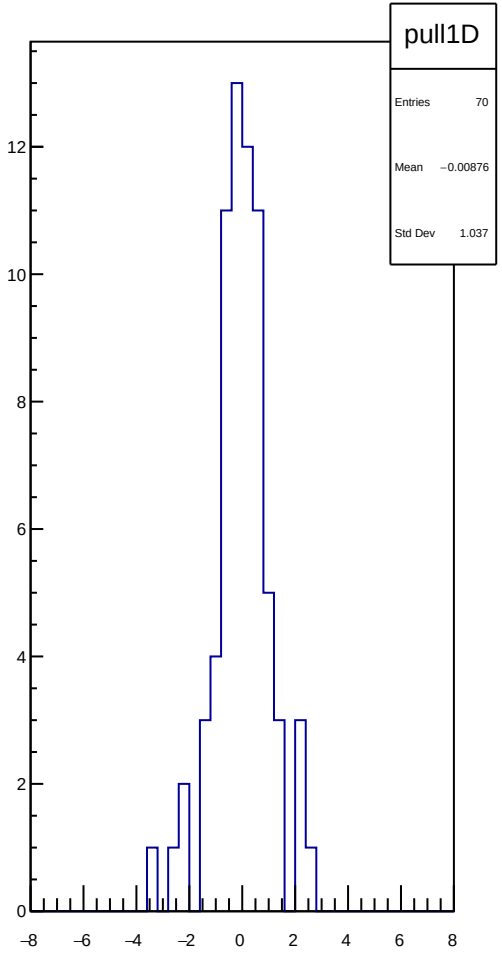

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 6216 / 69
p0 716.7 ± 0.6256
900
850
800
750
700
650
600

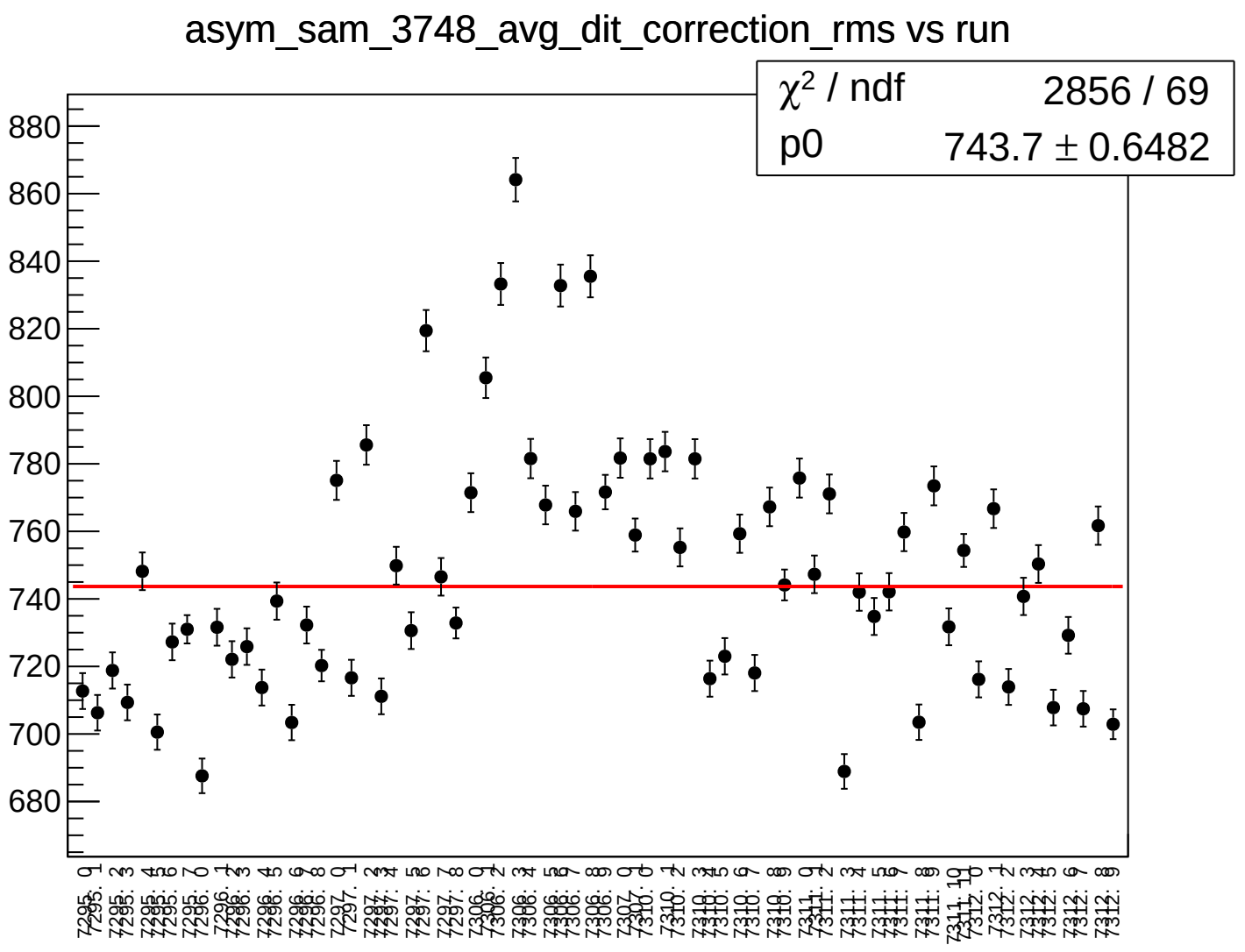

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 85.41 / 69
p0 −234.6 ± 181.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −11.29
Std Dev 0
3
2
1
0
−1
−2

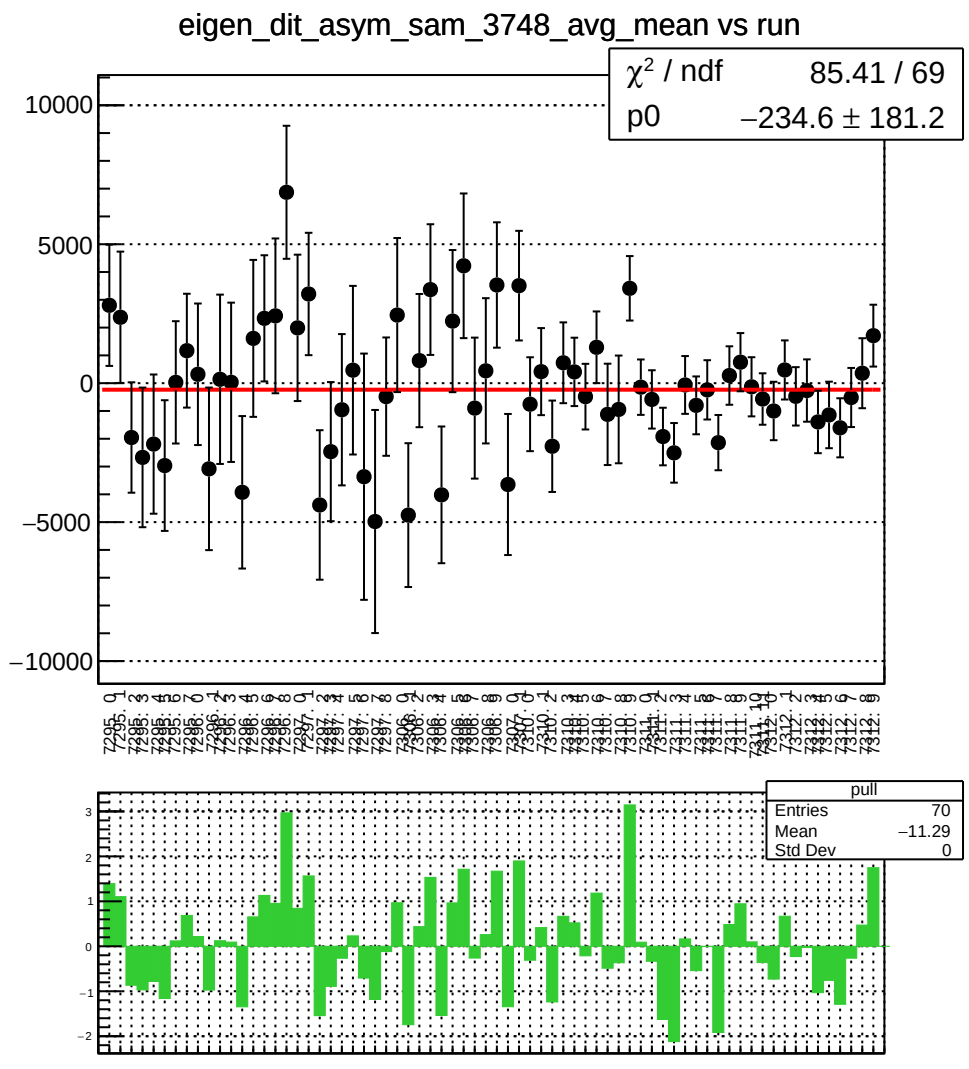

pull1D
Entries 70
Mean 0.03705
Std Dev 1.104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

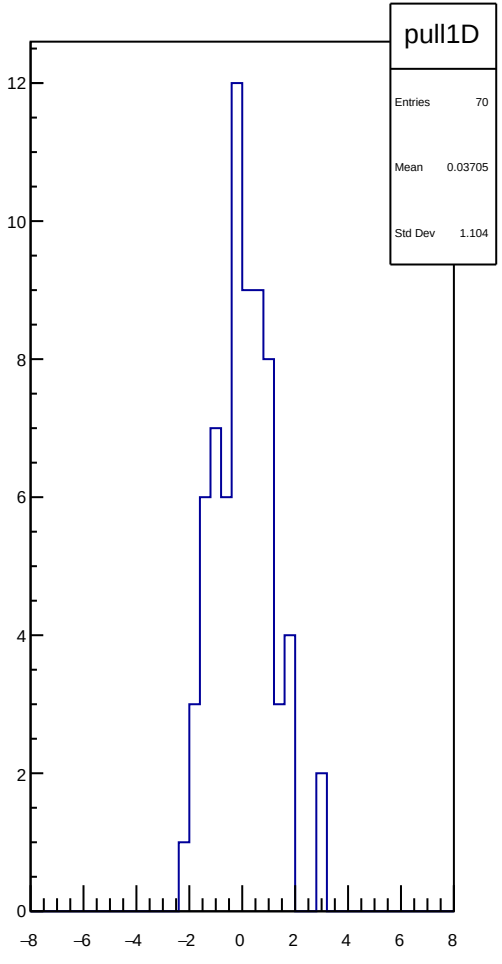

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.982e+05 / 69
p0 135.6 ± 0.1281
450
400
350
300
250
200
150
100

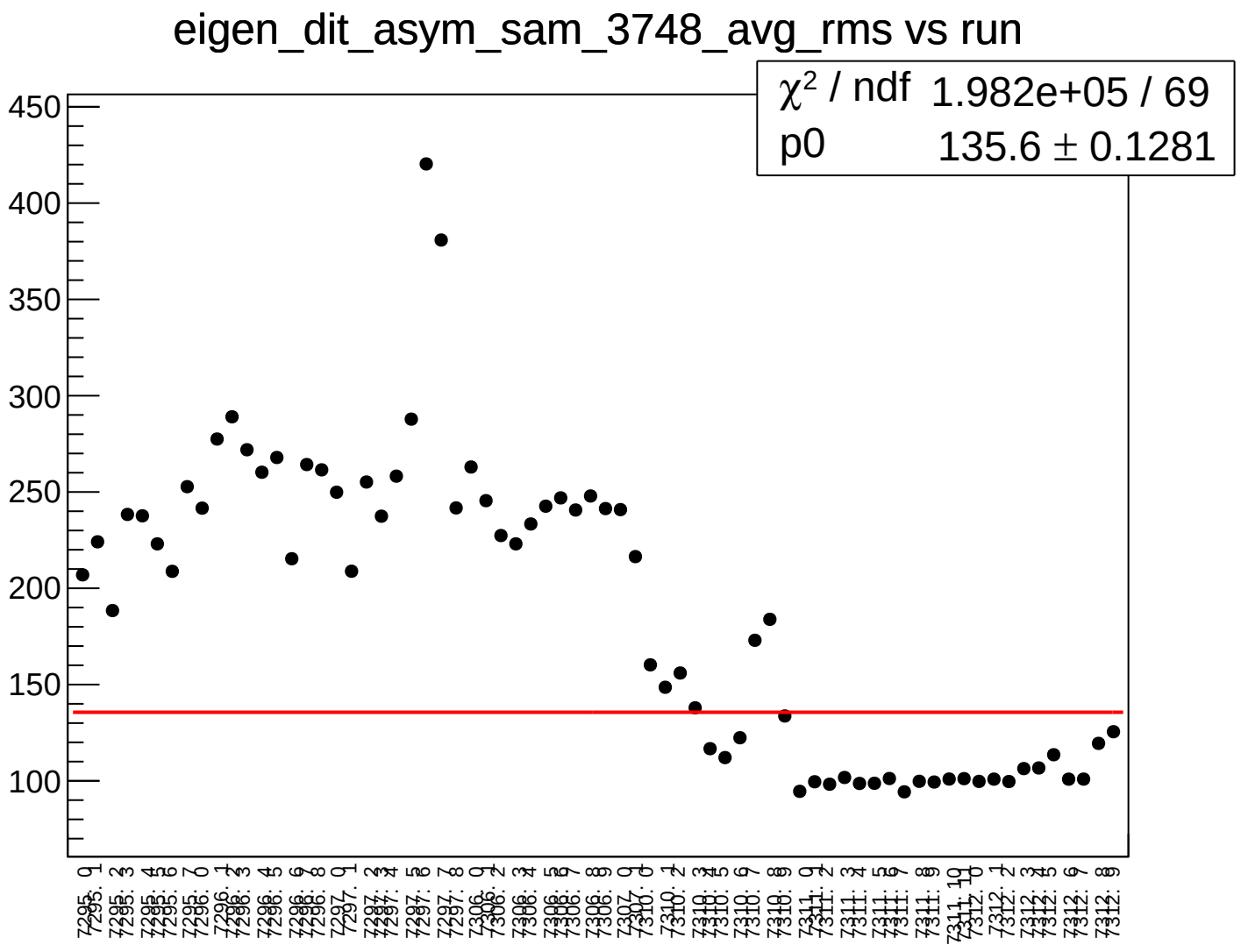

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 75.35 / 69
p0 −1418 ± 916.7
pull
Entries 70
Mean 429.3
Std Dev 0

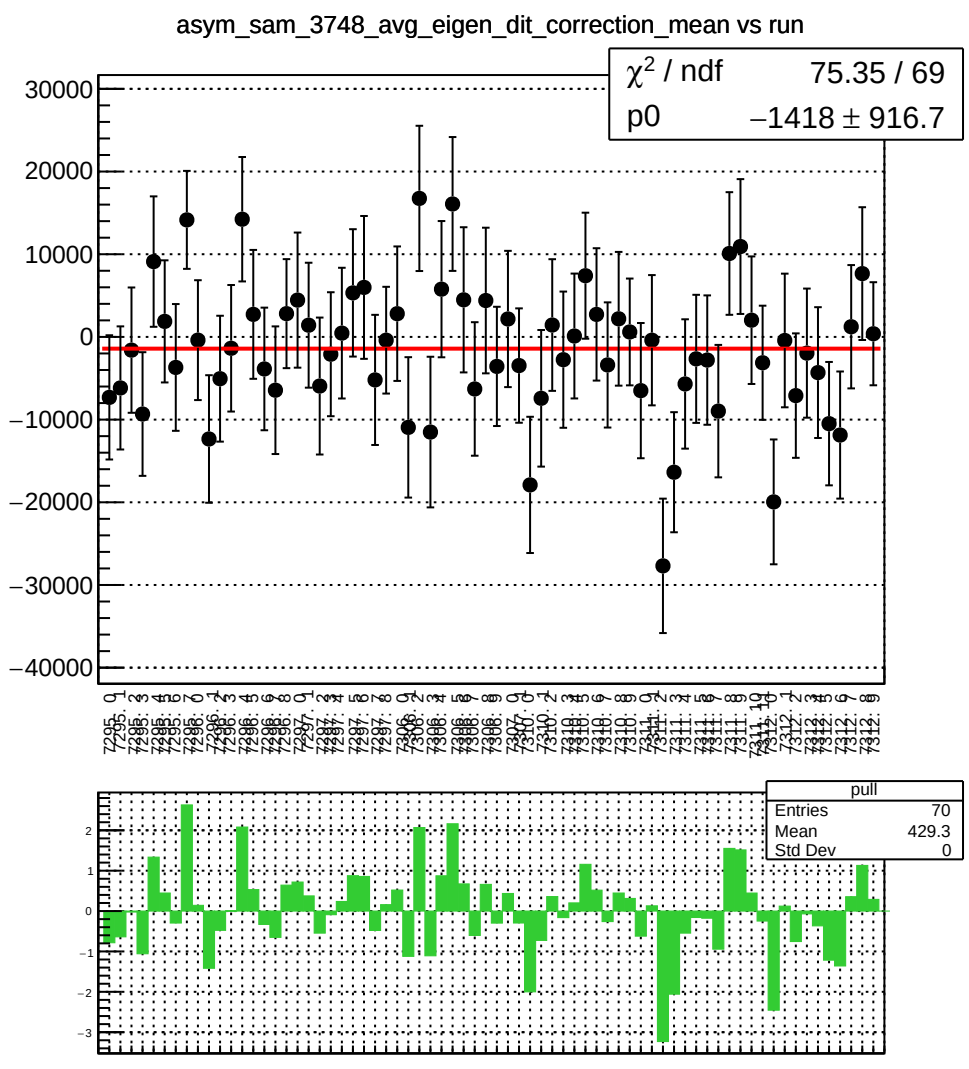

pull1D
Entries 70
Mean −0.00876
Std Dev 1.037

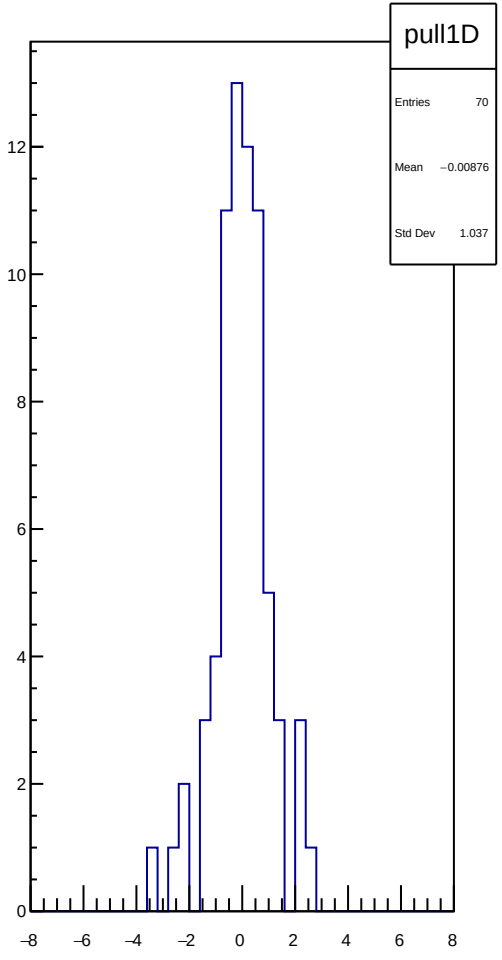

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2856 / 69
p0 743.7 ± 0.6482
880
860
840
820
800
780
760
740
720
700
680

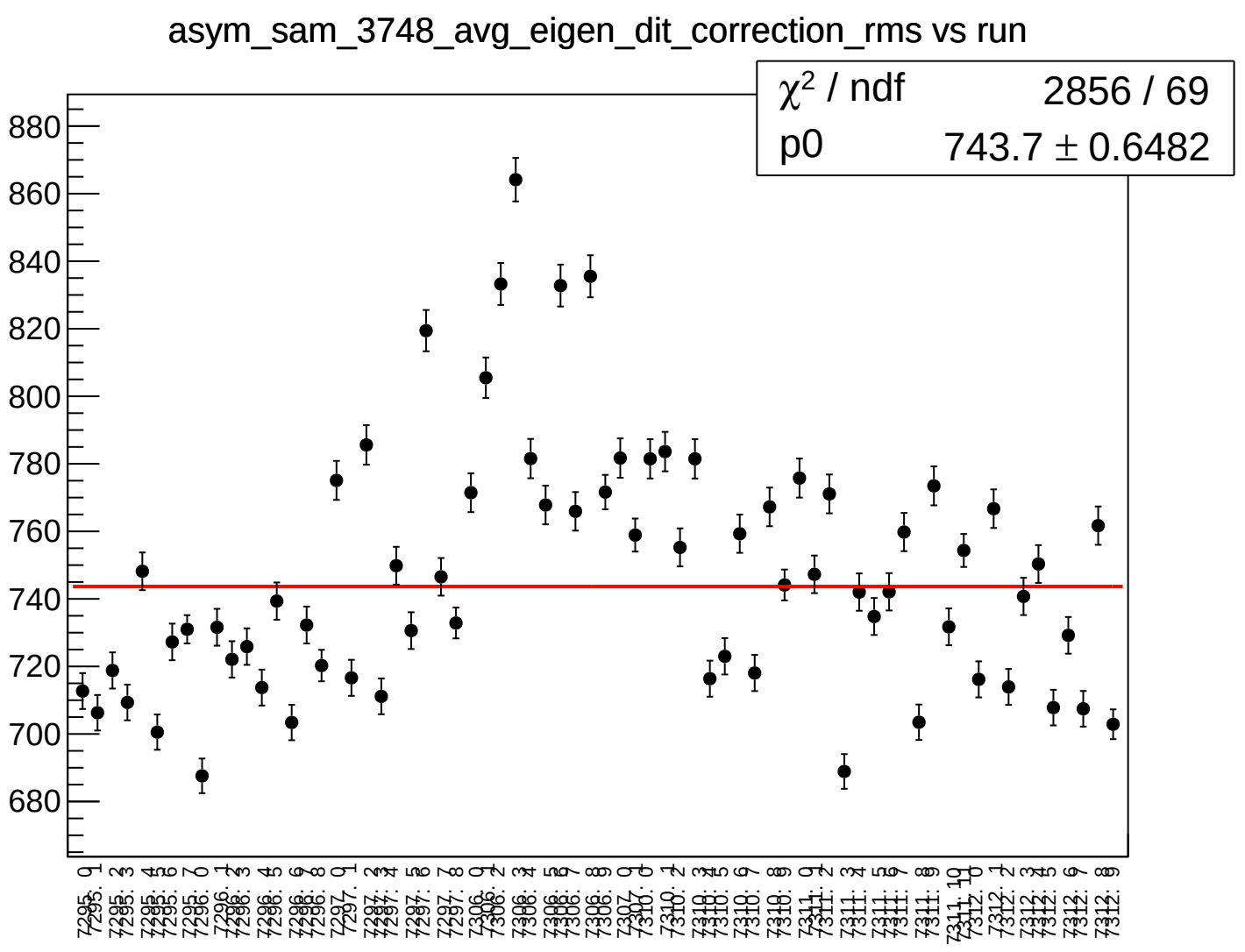

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 85.41 / 69
p0 −234.6 ± 181.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −11.29
Std Dev 0
3
2
1
0
−1
−2

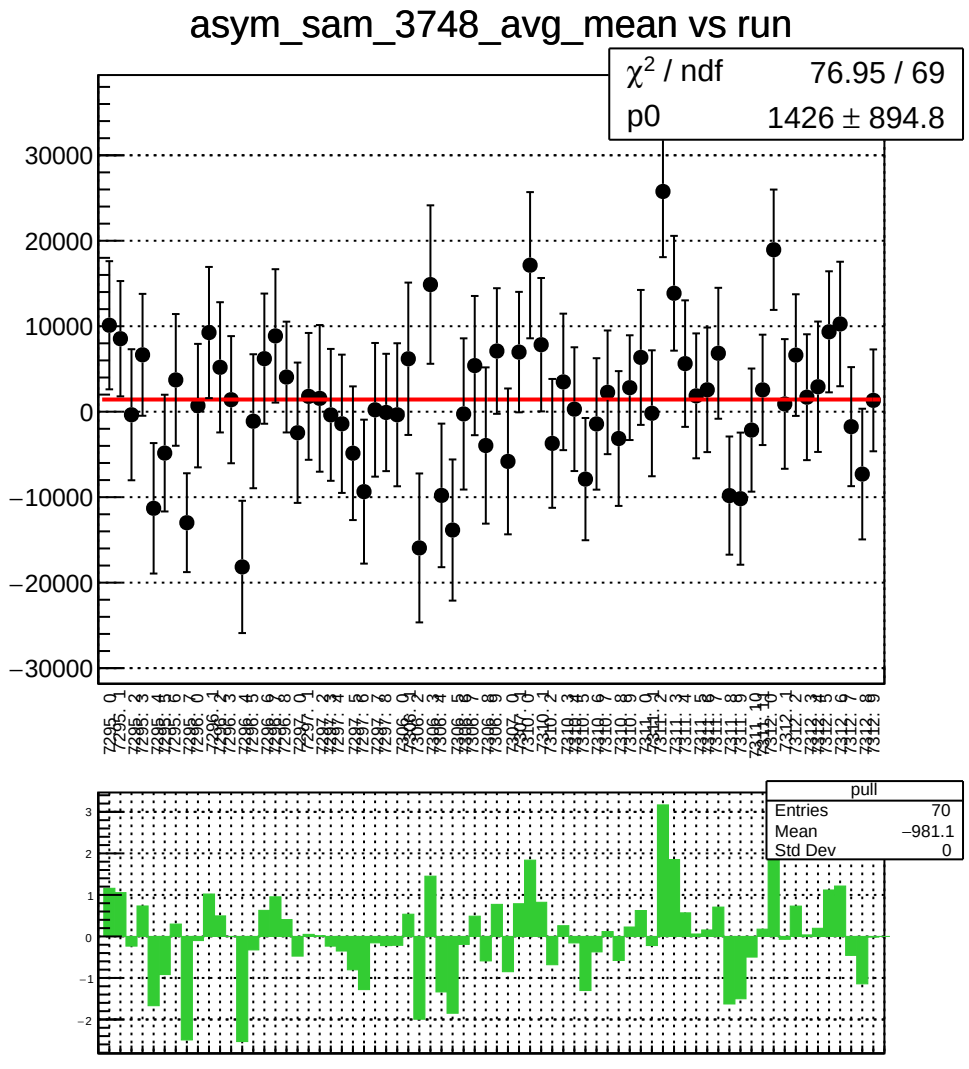

pull1D
Entries 70
Mean 0.03705
Std Dev 1.104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

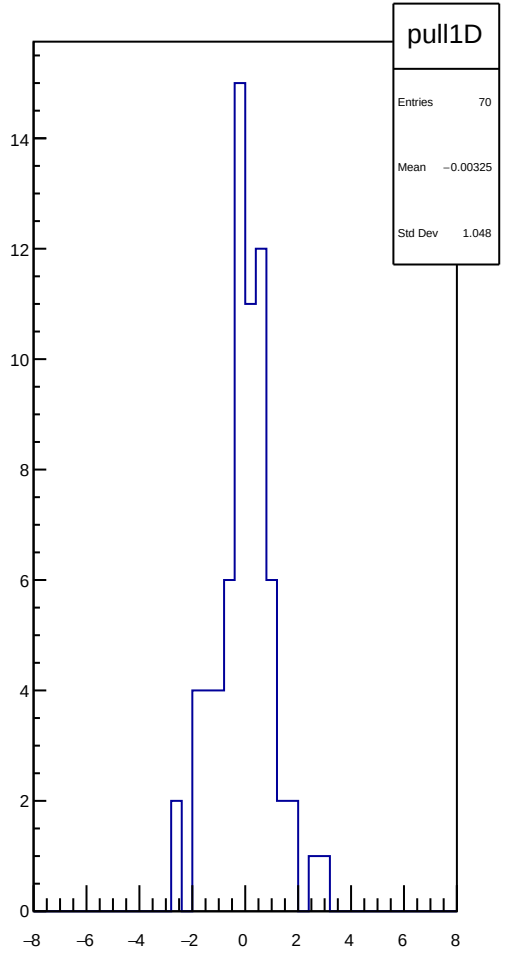

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.982e+05 / 69
p0 135.6 ± 0.1281
450
400
350
300
250
200
150
100

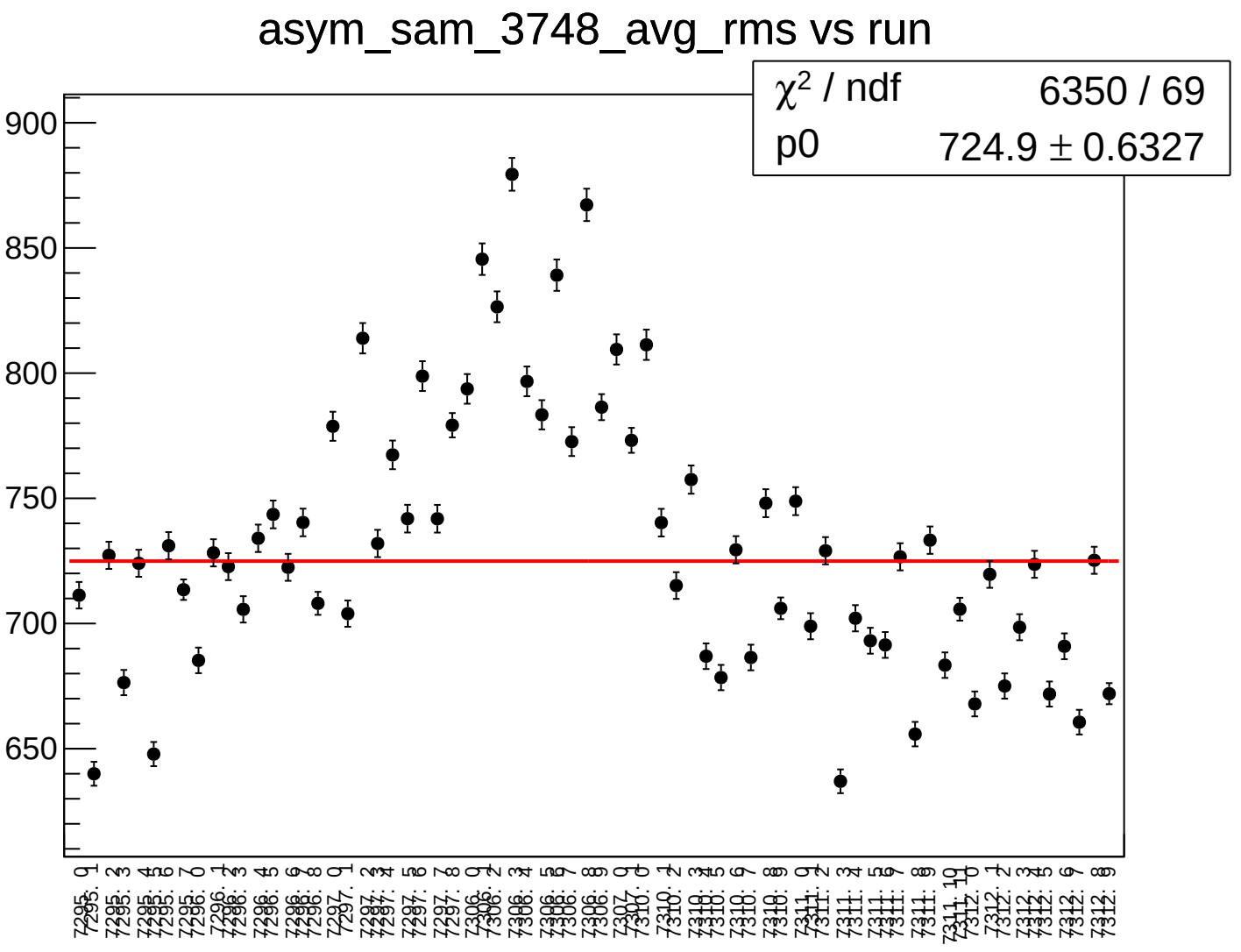

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.35 / 69
p0 −1418 ± 916.7
pull
Entries 70
Mean 429.3
Std Dev 0

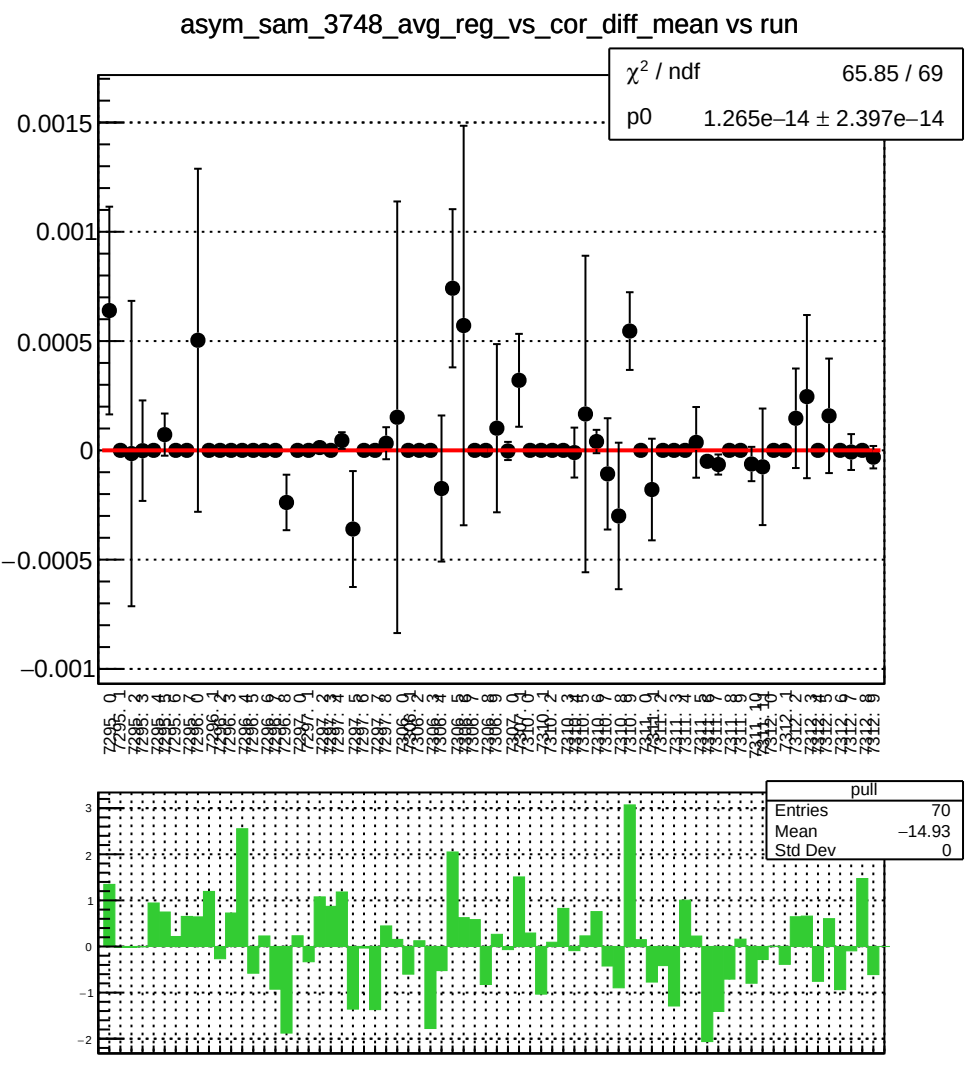

pull1D
Entries 70
Mean −0.00876
Std Dev 1.037

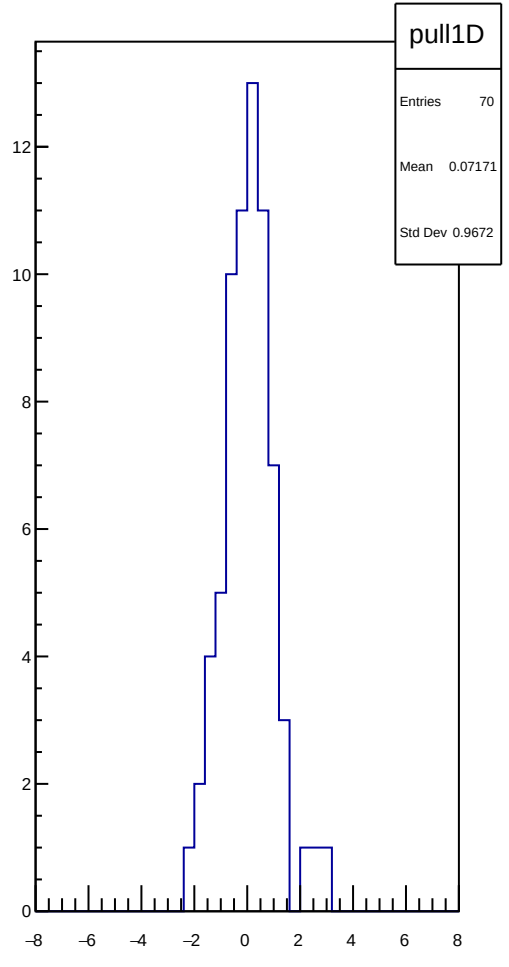

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 2856 / 69
p0 743.7 ± 0.6482
880
860
840
820
800
780
760
740
720
700
680

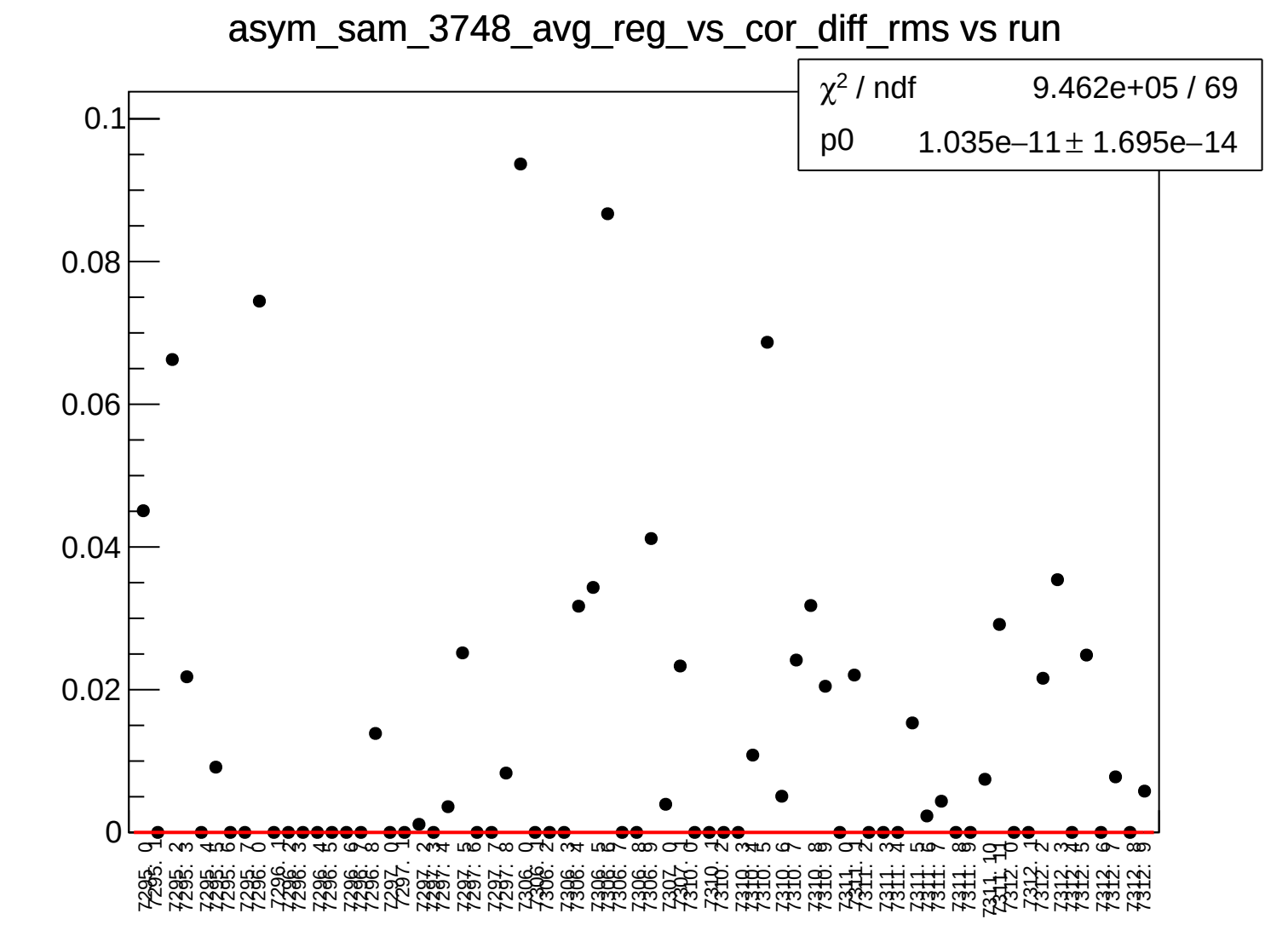

asym_sam_3748_avg_mean vs run
χ² / ndf 76.95 / 69
p0 1426 ± 894.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean −981.1
Std Dev 0
3
2
1
0
−1
−2

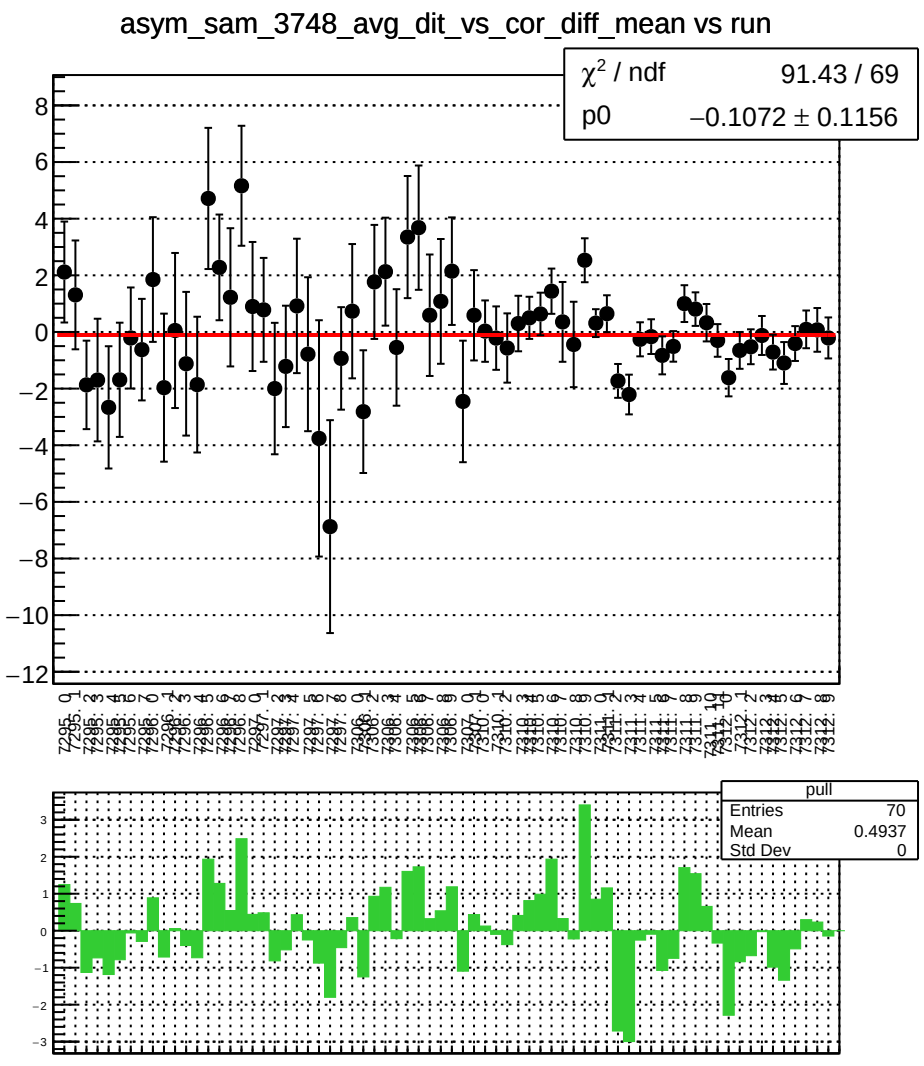

pull1D
Entries 70
Mean −0.00325
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

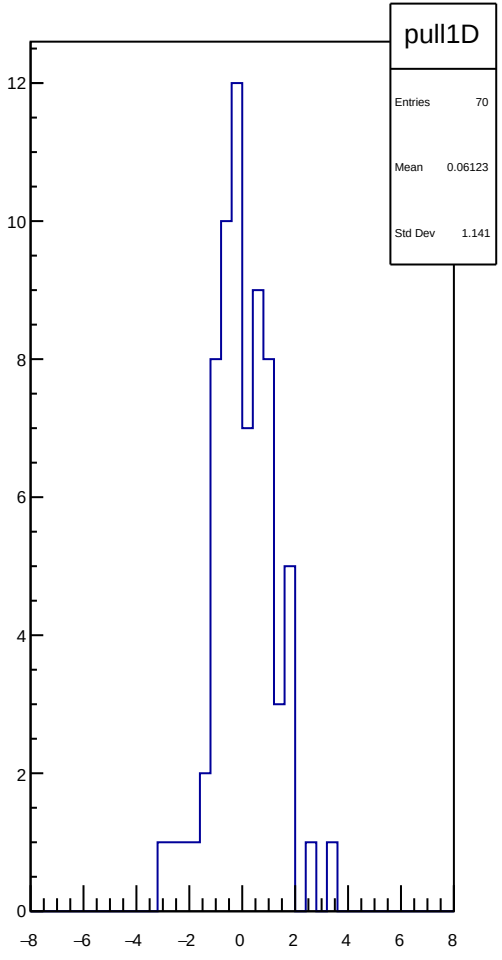

asym_sam_3748_avg_rms vs run
χ^2 / ndf 6350 / 69
p0 724.9 ± 0.6327
900
850
800
750
700
650

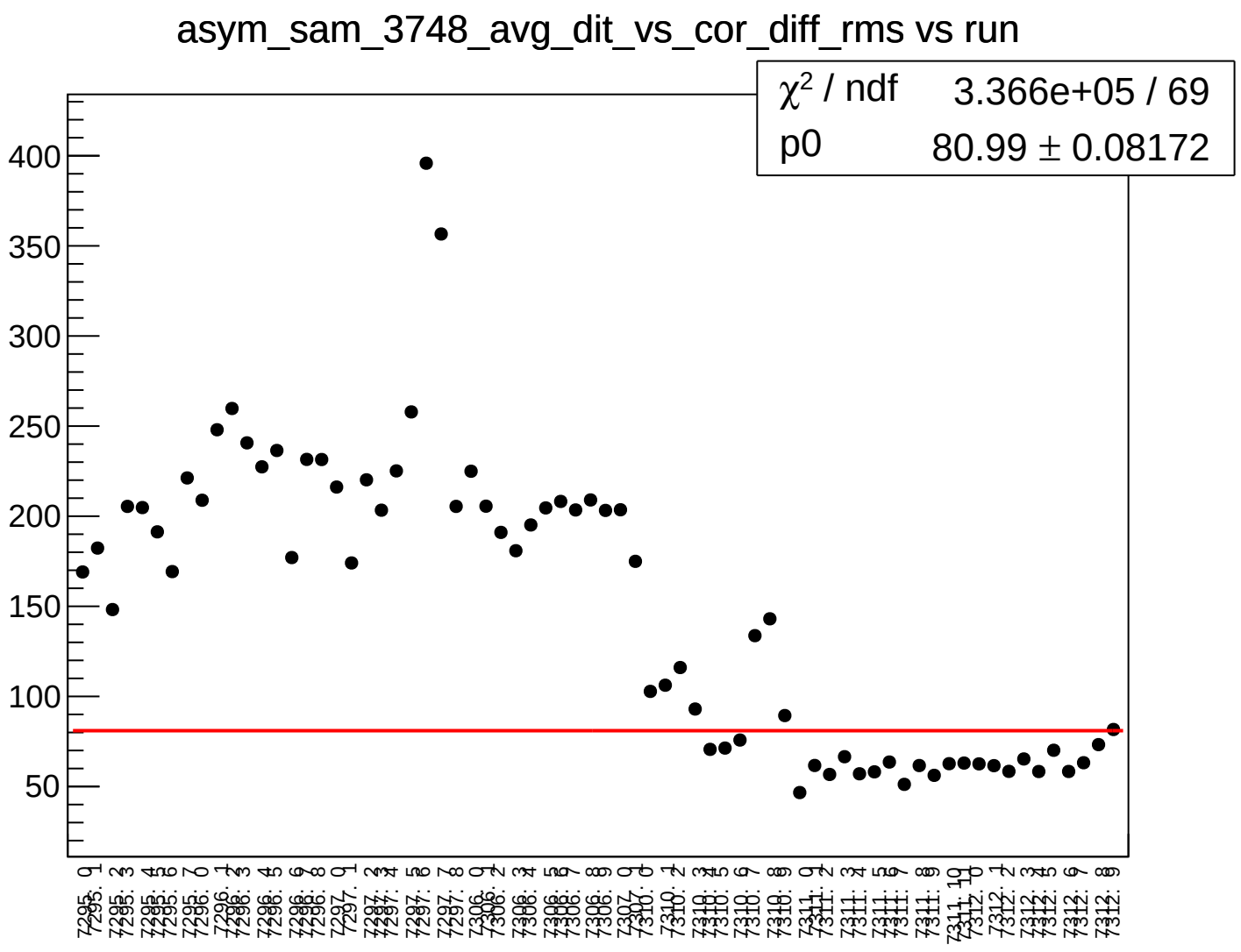

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.85 / 69
p0 1.265e−14 ± 2.397e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 70
Mean −14.93
Std Dev 0
3
2
1
0
−1
−2

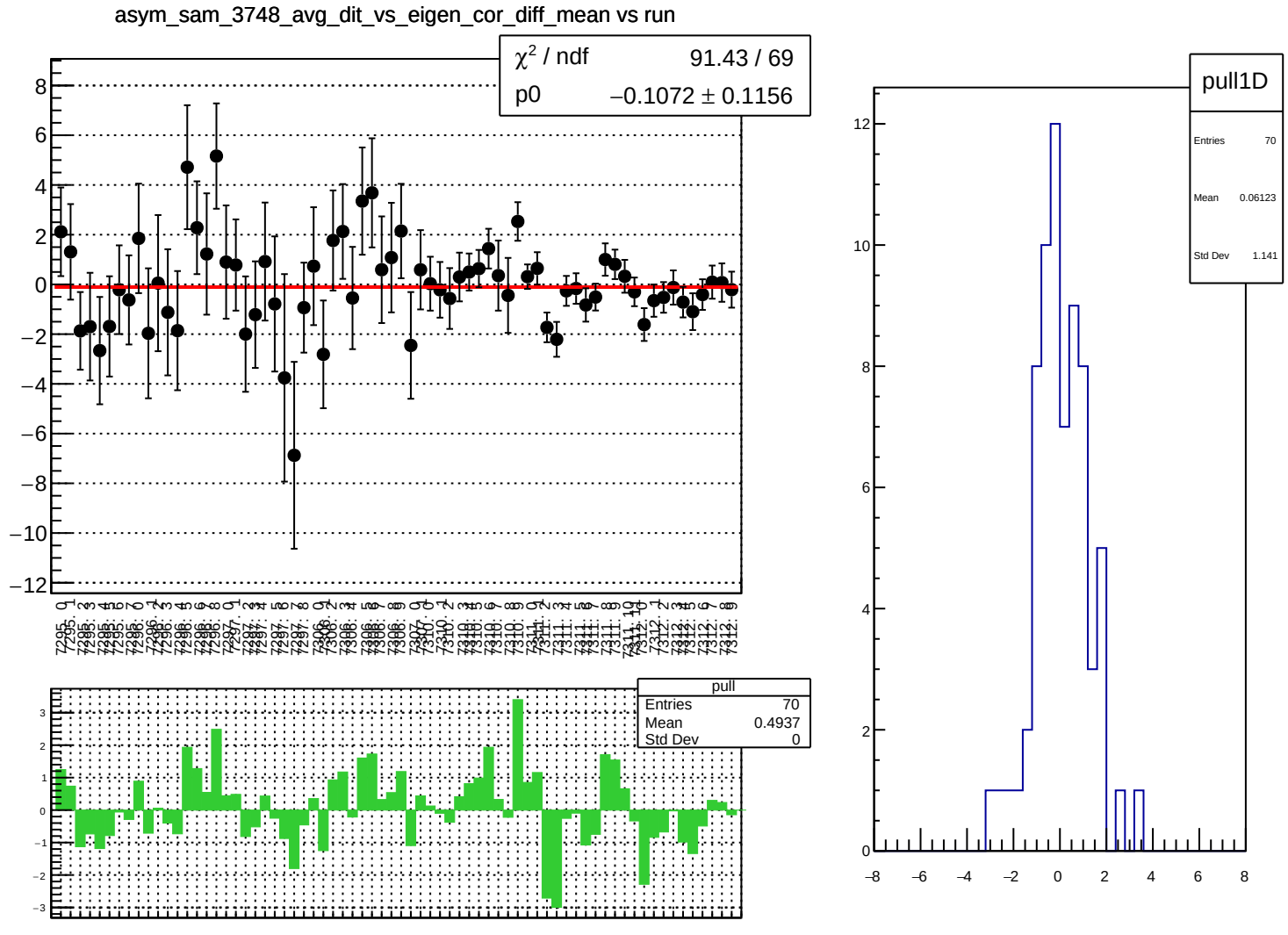

pull1D
Entries 70
Mean 0.07171
Std Dev 0.9672
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

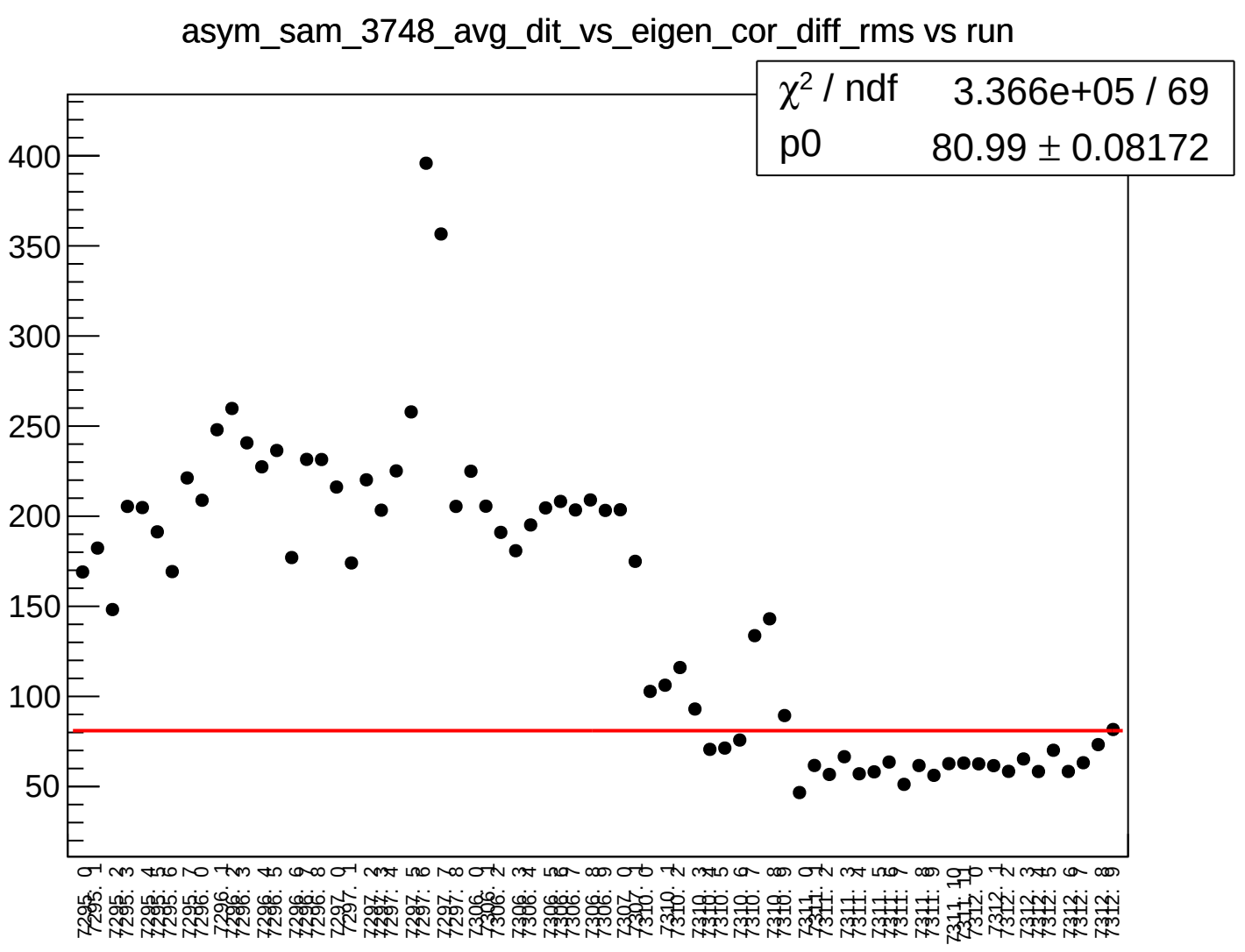

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.462e+05 / 69
p0 1.035e−11 ± 1.695e−14
0.1
0.08
0.06
0.04
0.02
0

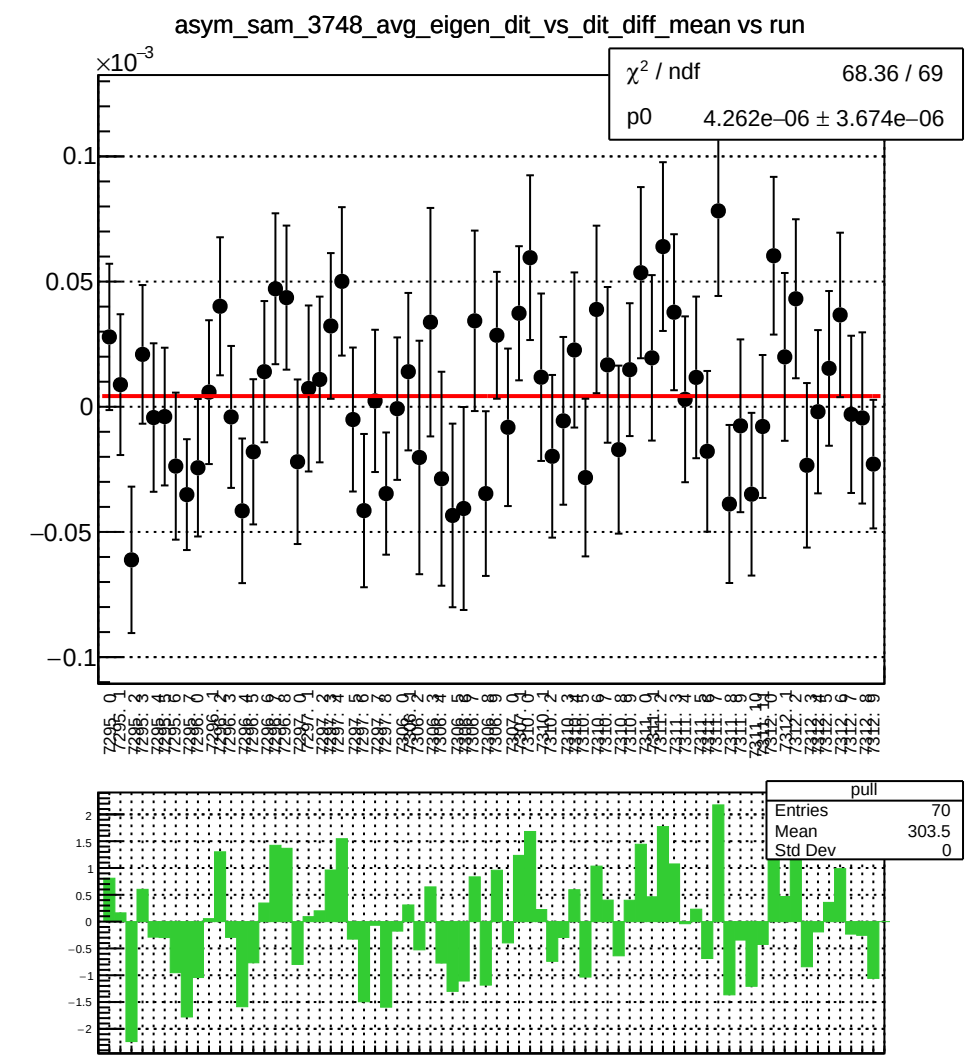

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.43 / 69
p0 −0.1072 ± 0.1156
pull
Entries 70
Mean 0.4937
Std Dev 0

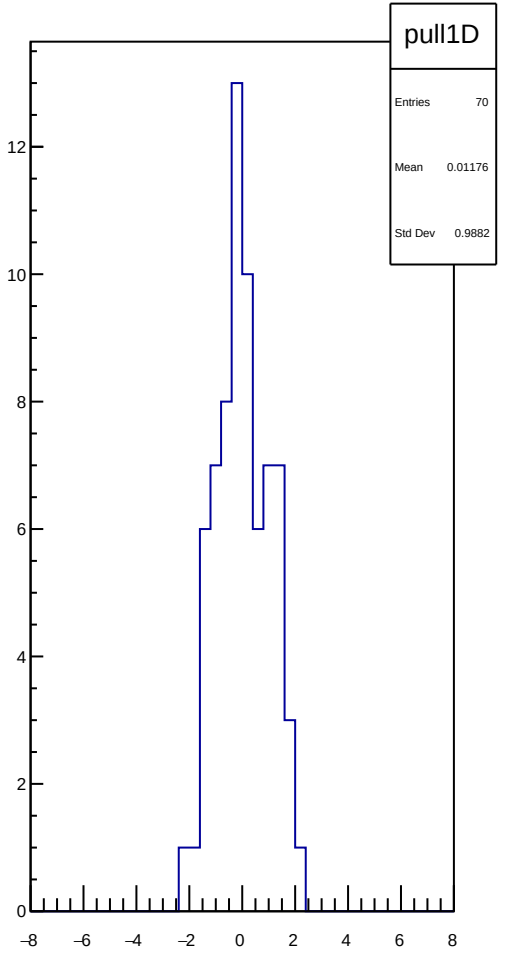

pull1D
Entries 70
Mean 0.06123
Std Dev 1.141

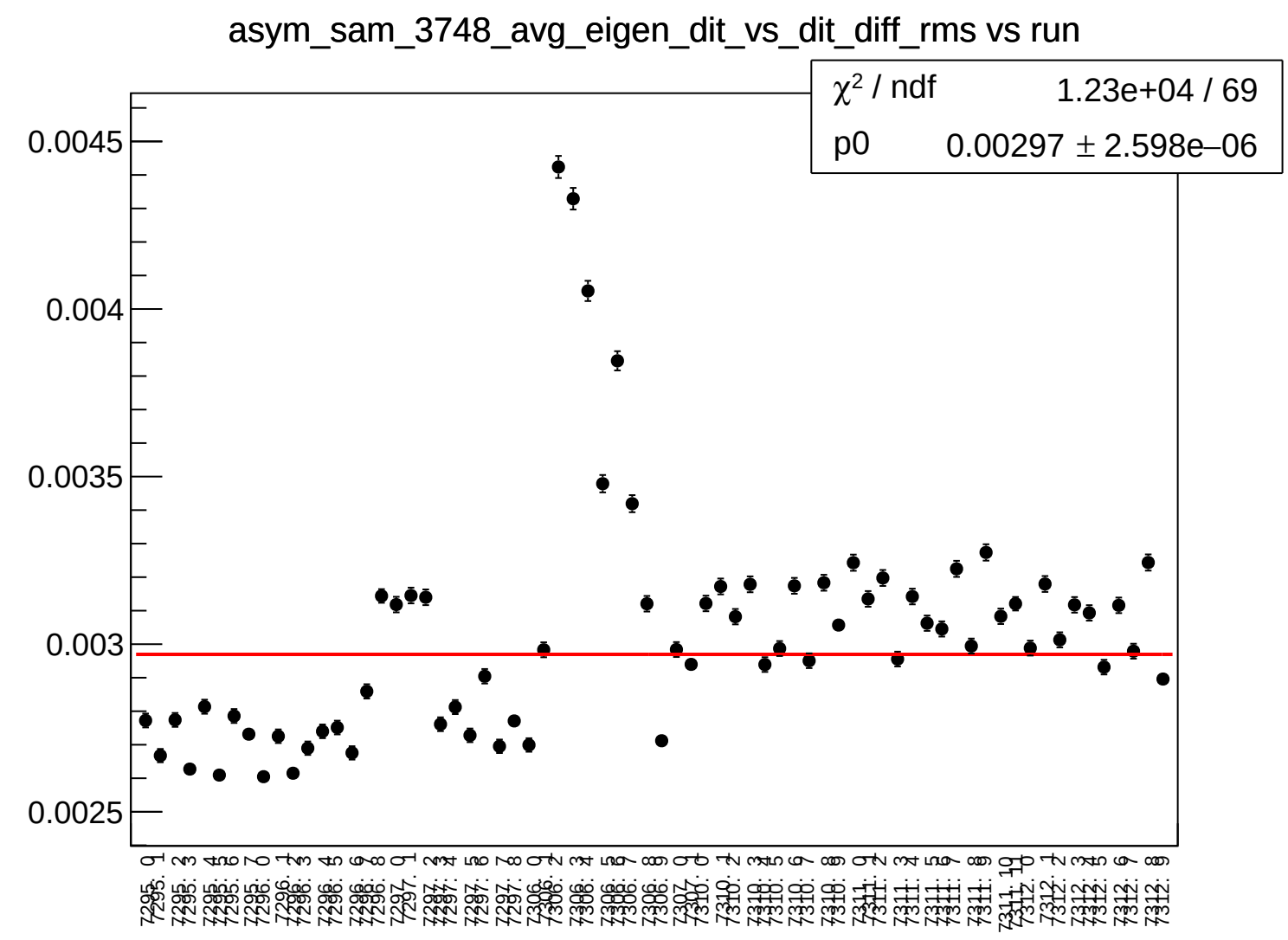

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.366e+05 / 69
p0 80.99 ± 0.08172
400
350
300
250
200
150
100
50

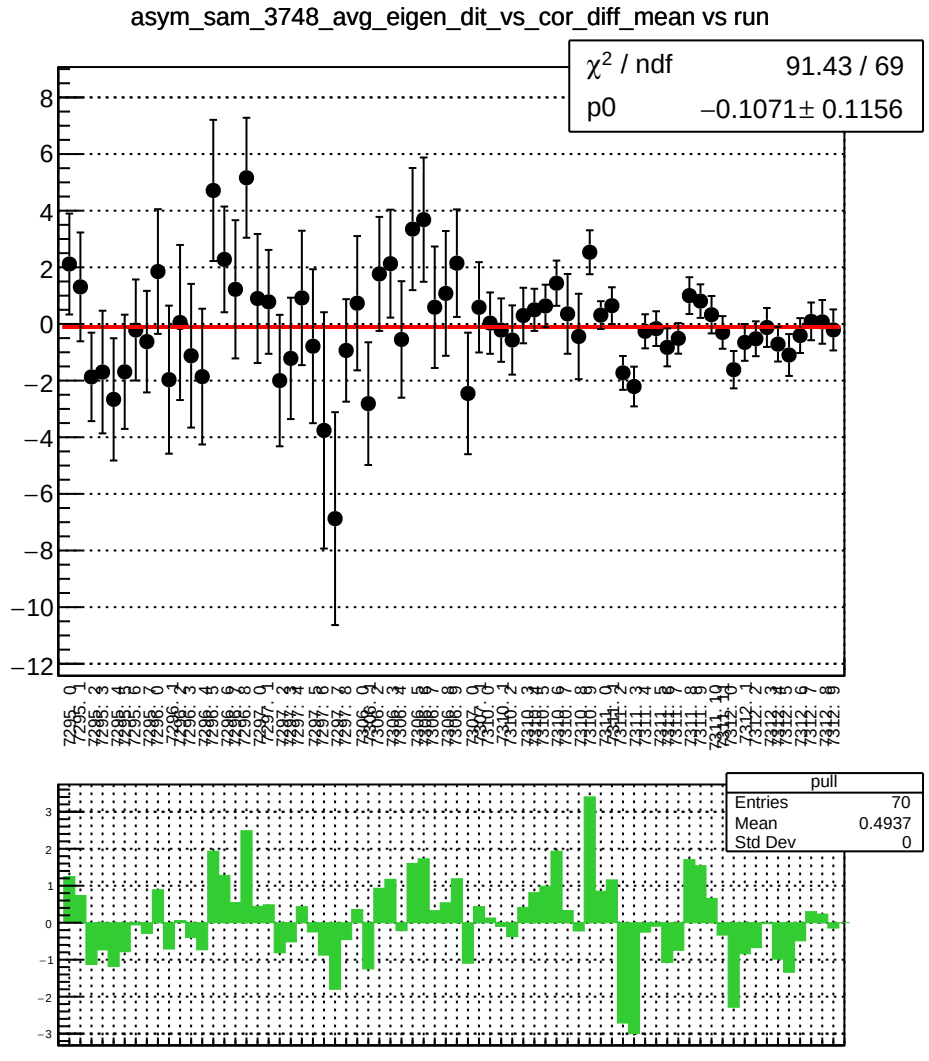

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.43 / 69
p0 −0.1072 ± 0.1156
pull
Entries 70
Mean 0.4937
Std Dev 0
pull1D
Entries 70
Mean 0.06123
Std Dev 1.141

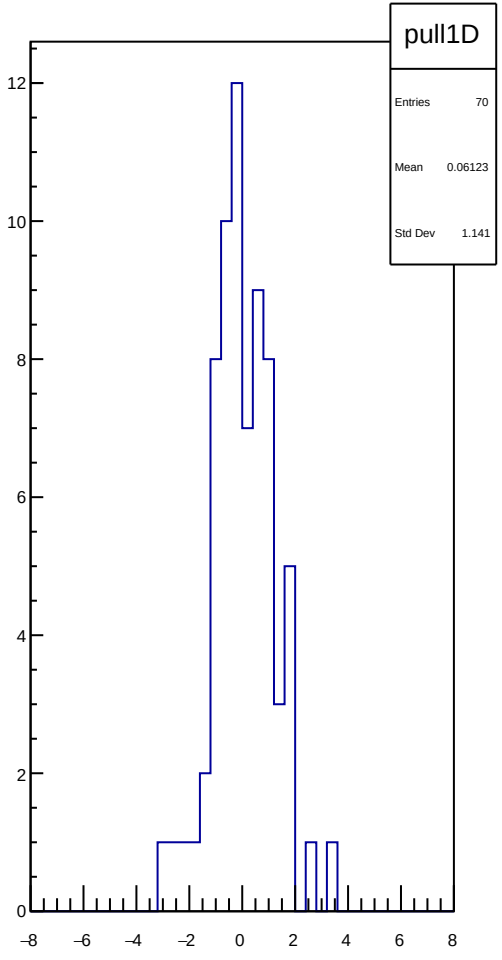

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.366e+05 / 69
p0 80.99 ± 0.08172
400
350
300
250
200
150
100
50

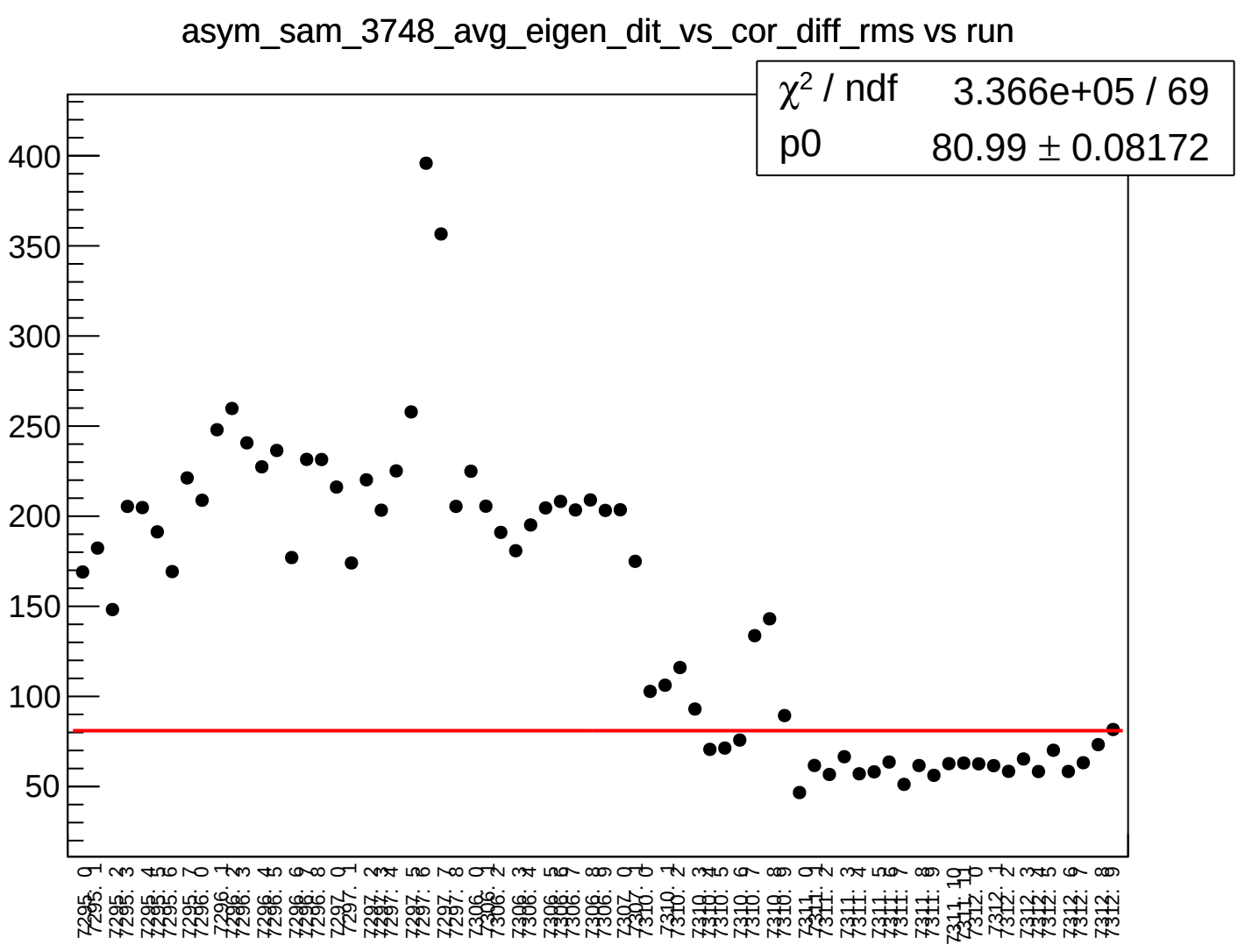

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.36 / 69
p0 4.262e−06 ± 3.674e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean 303.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

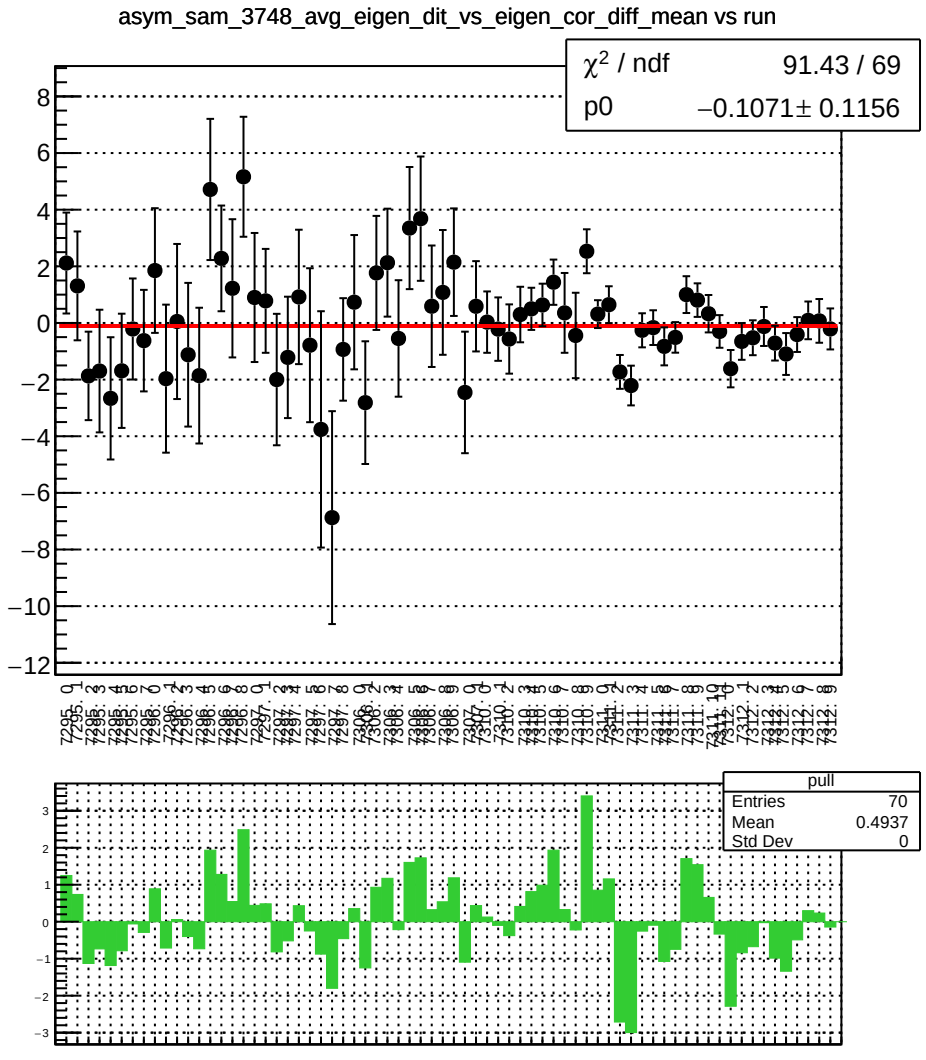

pull1D
Entries 70
Mean 0.01176
Std Dev 0.9882
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

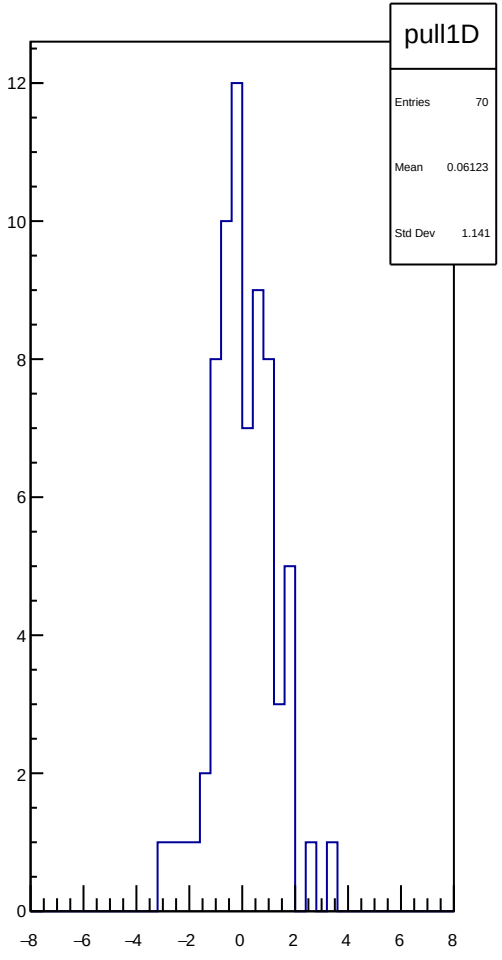

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.23e+04 / 69
p0 0.00297 ± 2.598e–06
0.0045
0.004
0.0035
0.003
0.0025

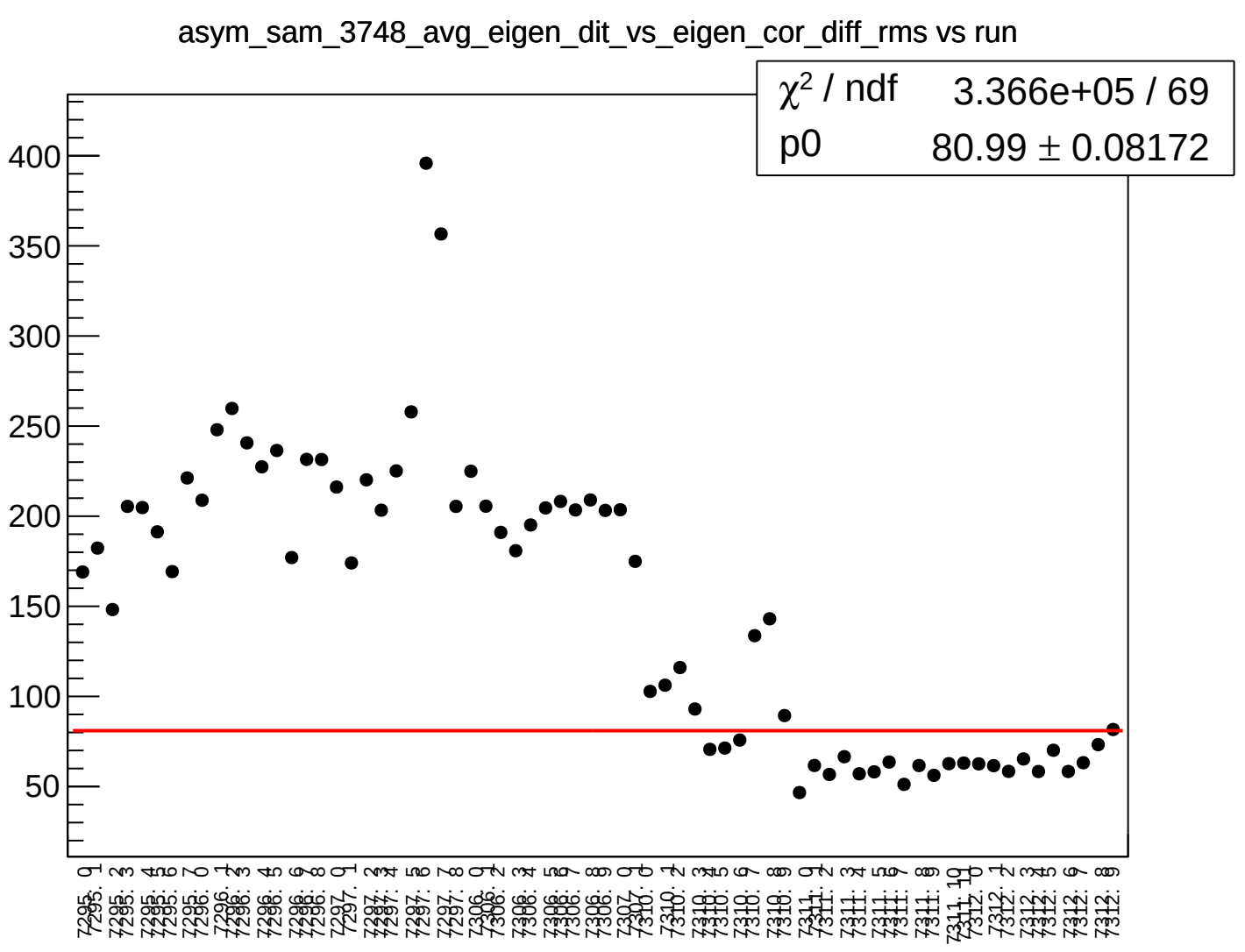

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.43 / 69
p0 −0.1071± 0.1156
pull
Entries 70
Mean 0.4937
Std Dev 0

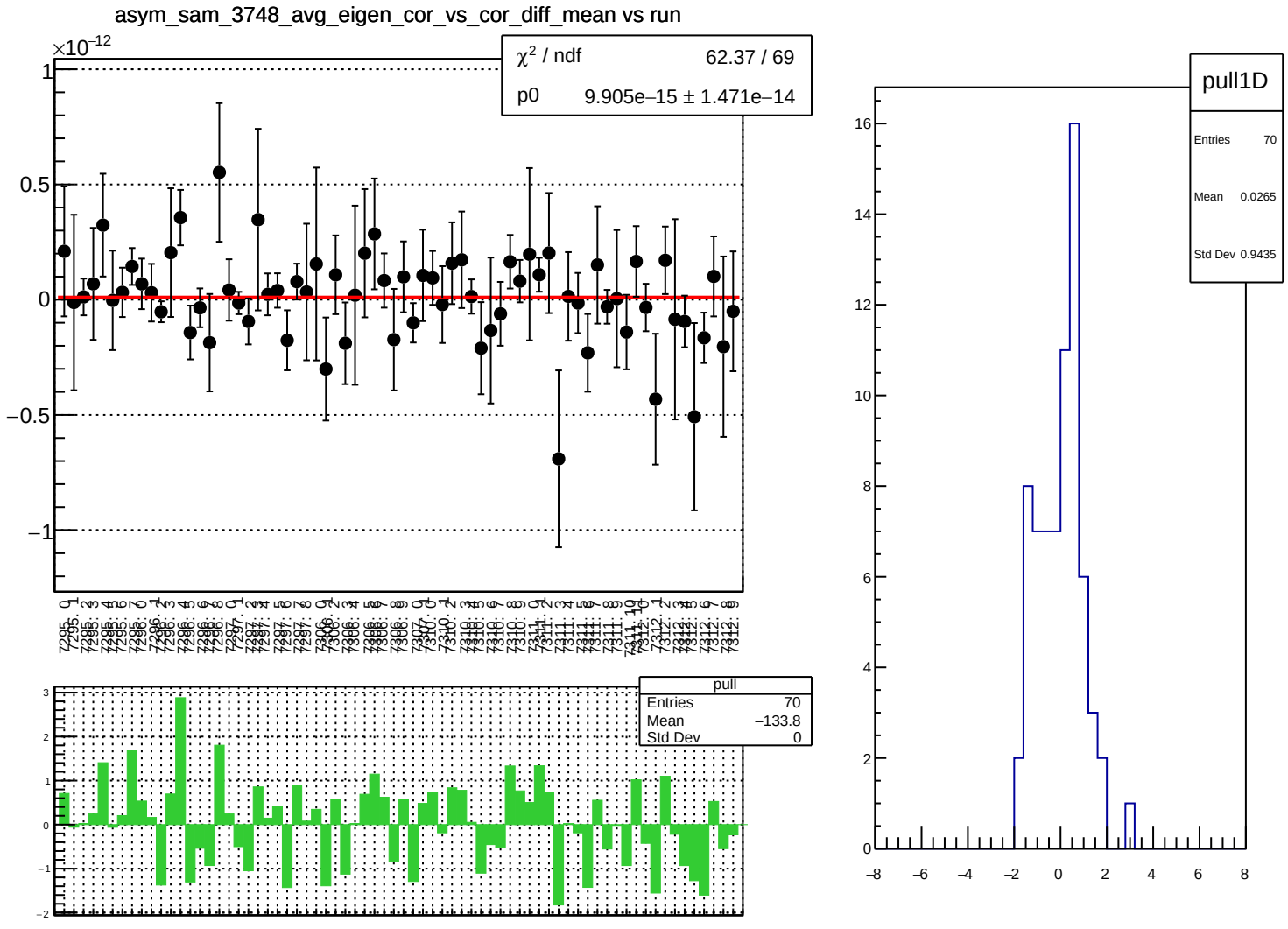

pull1D
Entries 70
Mean 0.06123
Std Dev 1.141

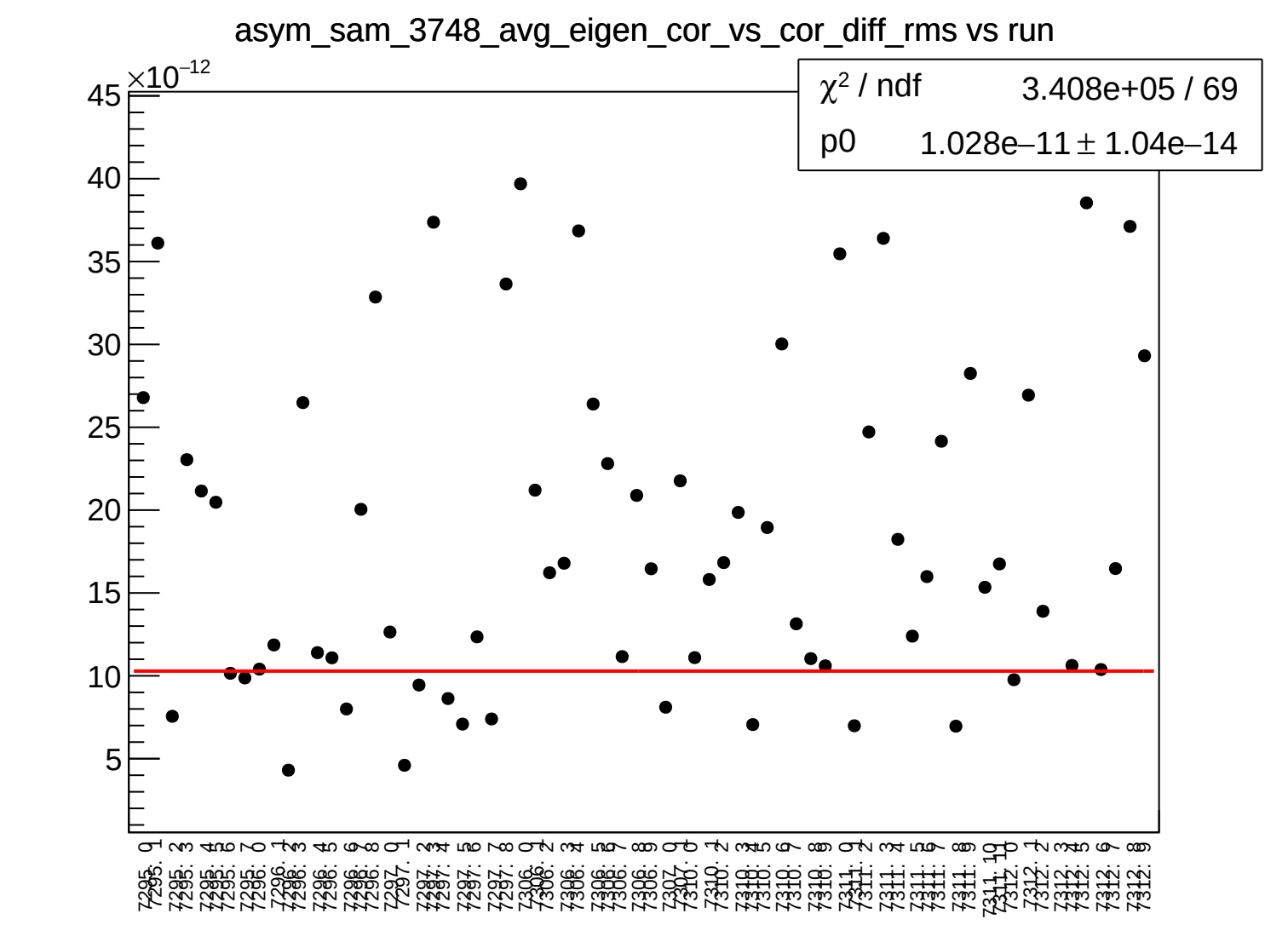

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.366e+05 / 69
p0 80.99 ± 0.08172
400
350
300
250
200
150
100
50

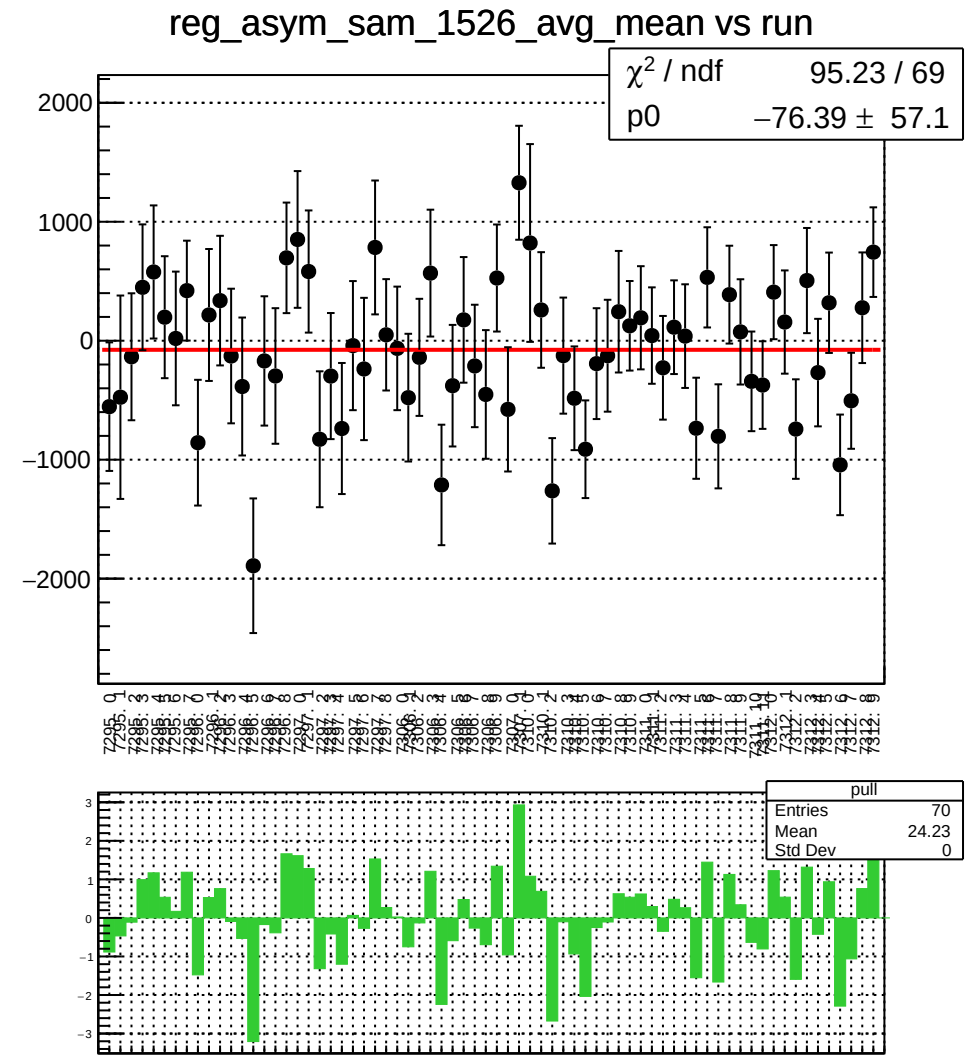

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.43 / 69
p0 −0.1071± 0.1156
pull
Entries 70
Mean 0.4937
Std Dev 0

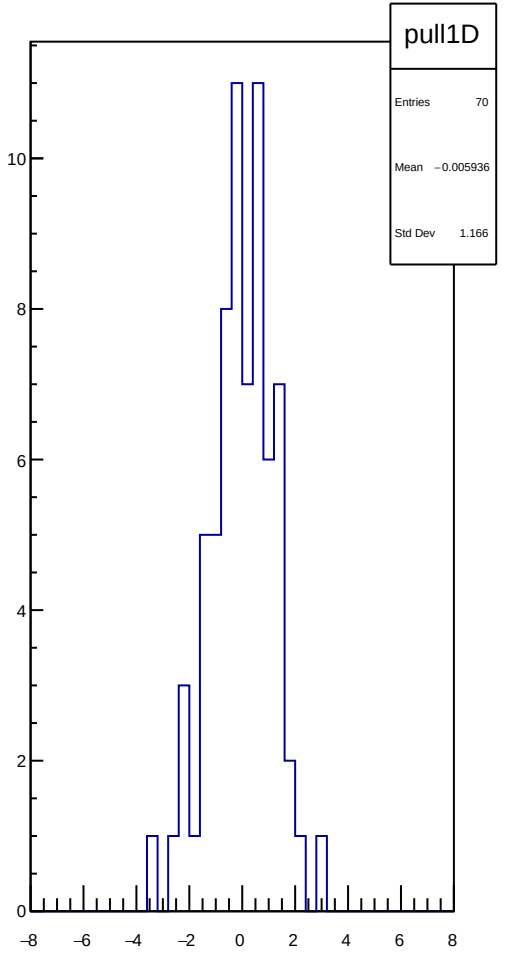

pull1D
Entries 70
Mean 0.06123
Std Dev 1.141

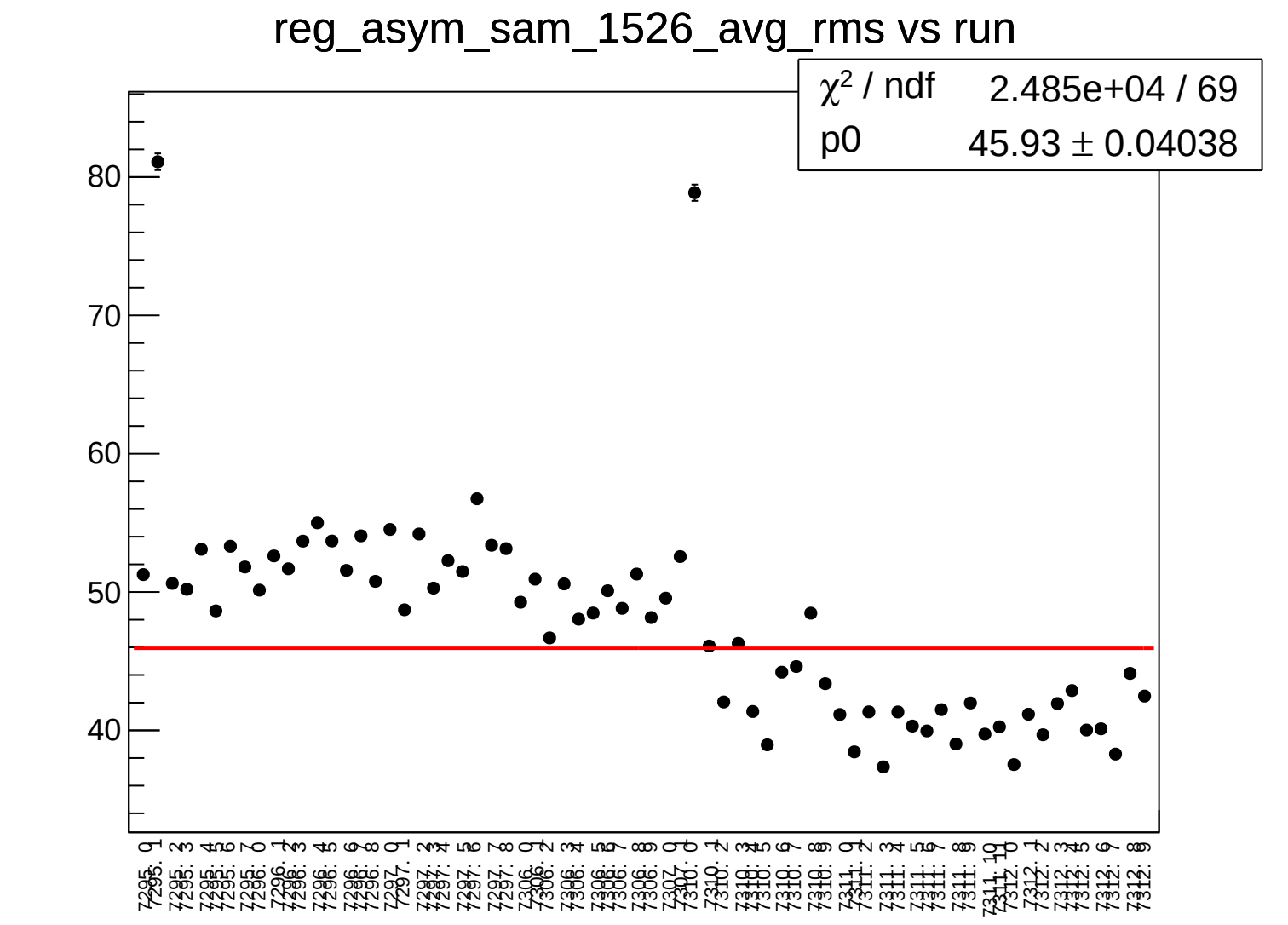

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.366e+05 / 69
p0 80.99 ± 0.08172
400
350
300
250
200
150
100
50

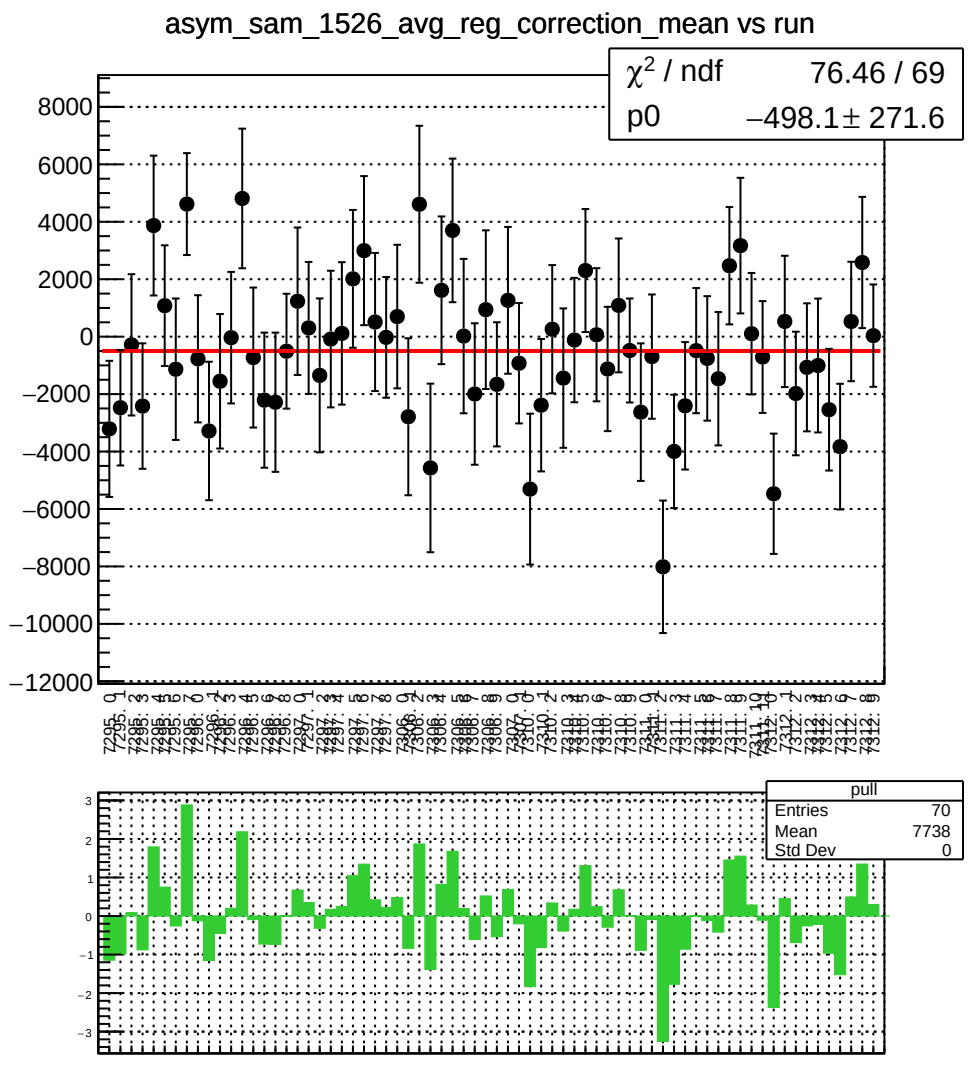

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.37 / 69
p0 9.905e−15 ± 1.471e−14
pull
Entries 70
Mean −133.8
Std Dev 0
pull1D
Entries 70
Mean 0.0265
Std Dev 0.9435

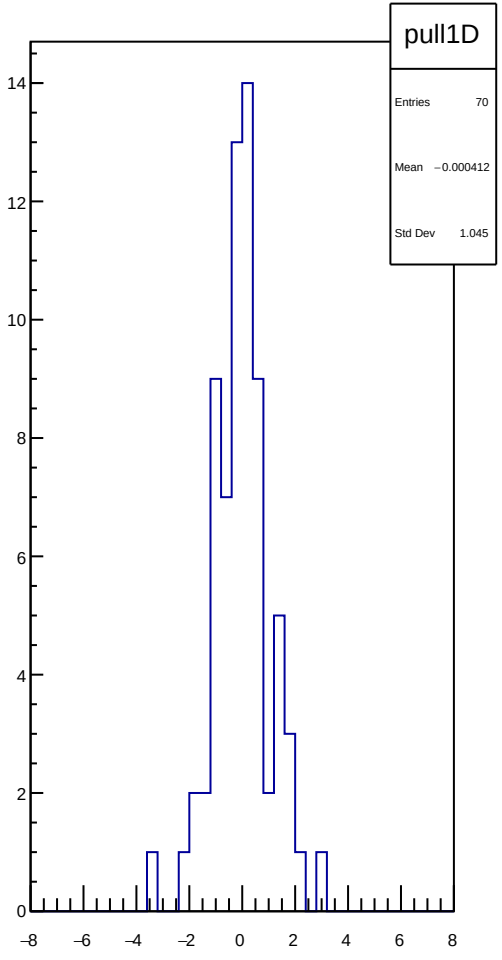

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.408e+05 / 69
p0 1.028e−11 ± 1.04e−14
45
40
35
30
25
20
15
10
5

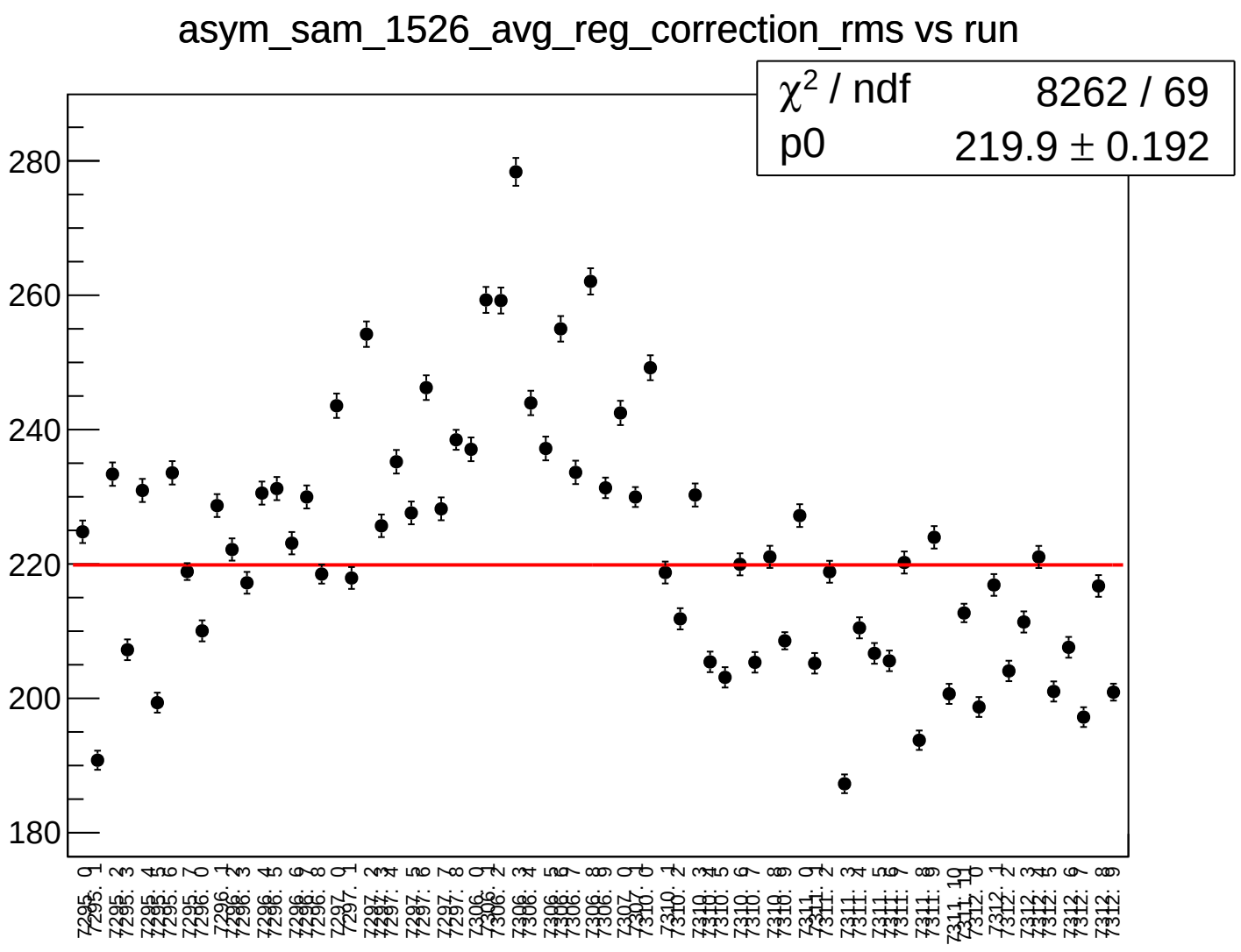

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 95.23 / 69
p0 −76.39 ± 57.1
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 24.23
Std Dev 0
3
2
1
0
−1
−2
−3

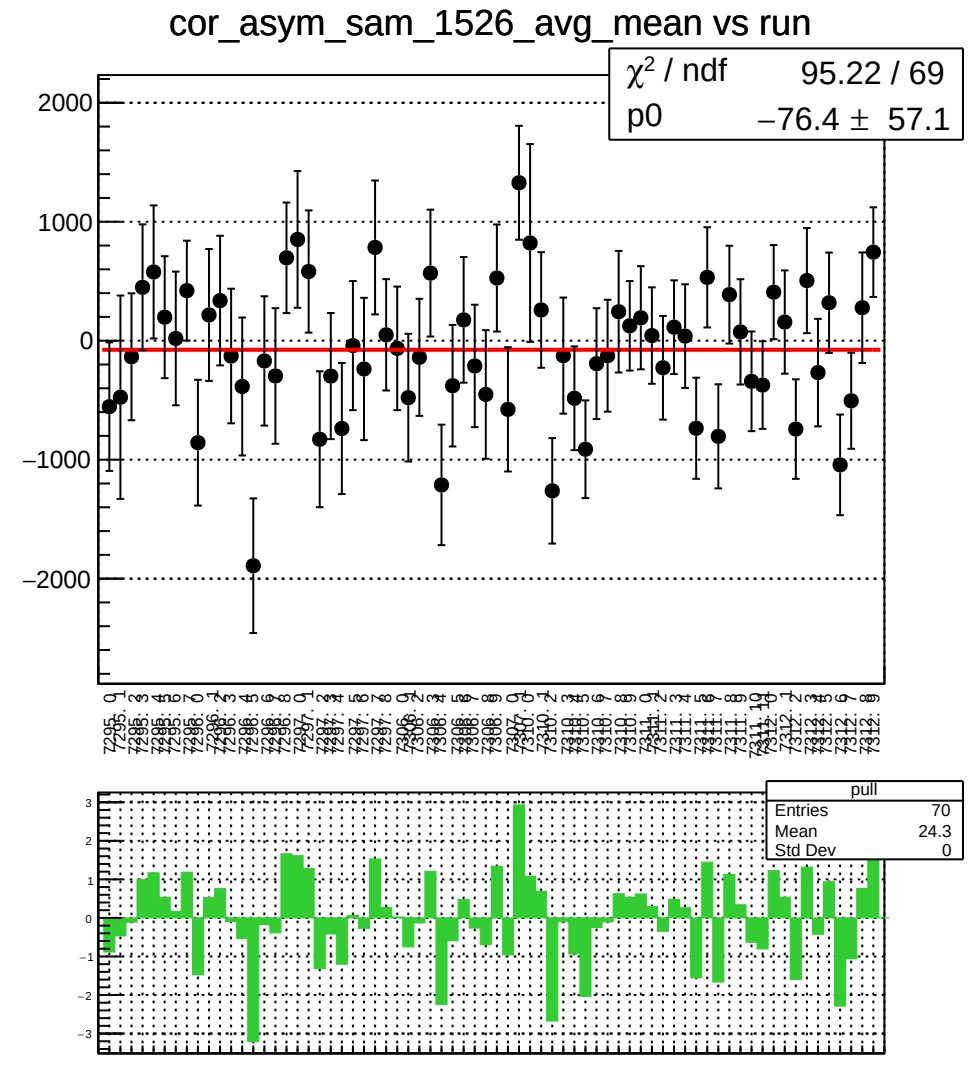

pull1D
Entries 70
Mean −0.005936
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

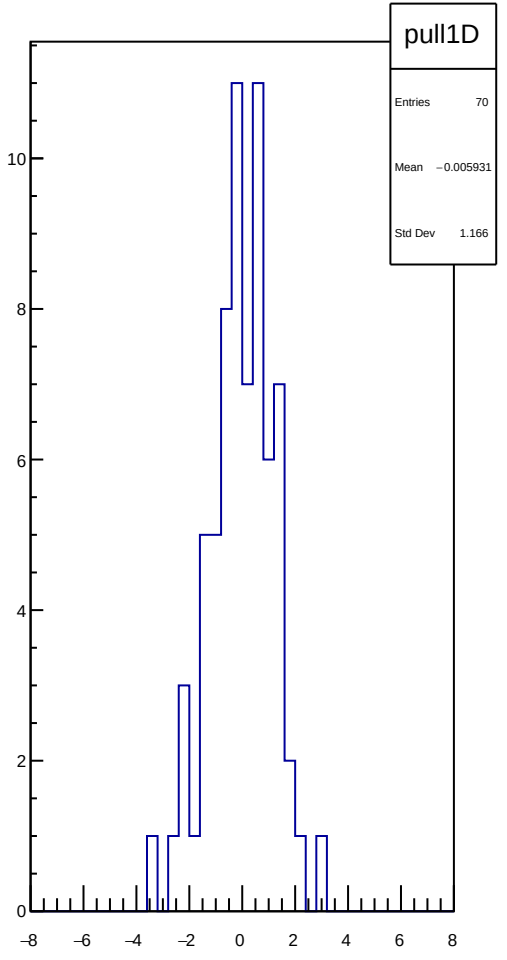

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.485e+04 / 69
p0 45.93 ± 0.04038
80
70
60
50
40

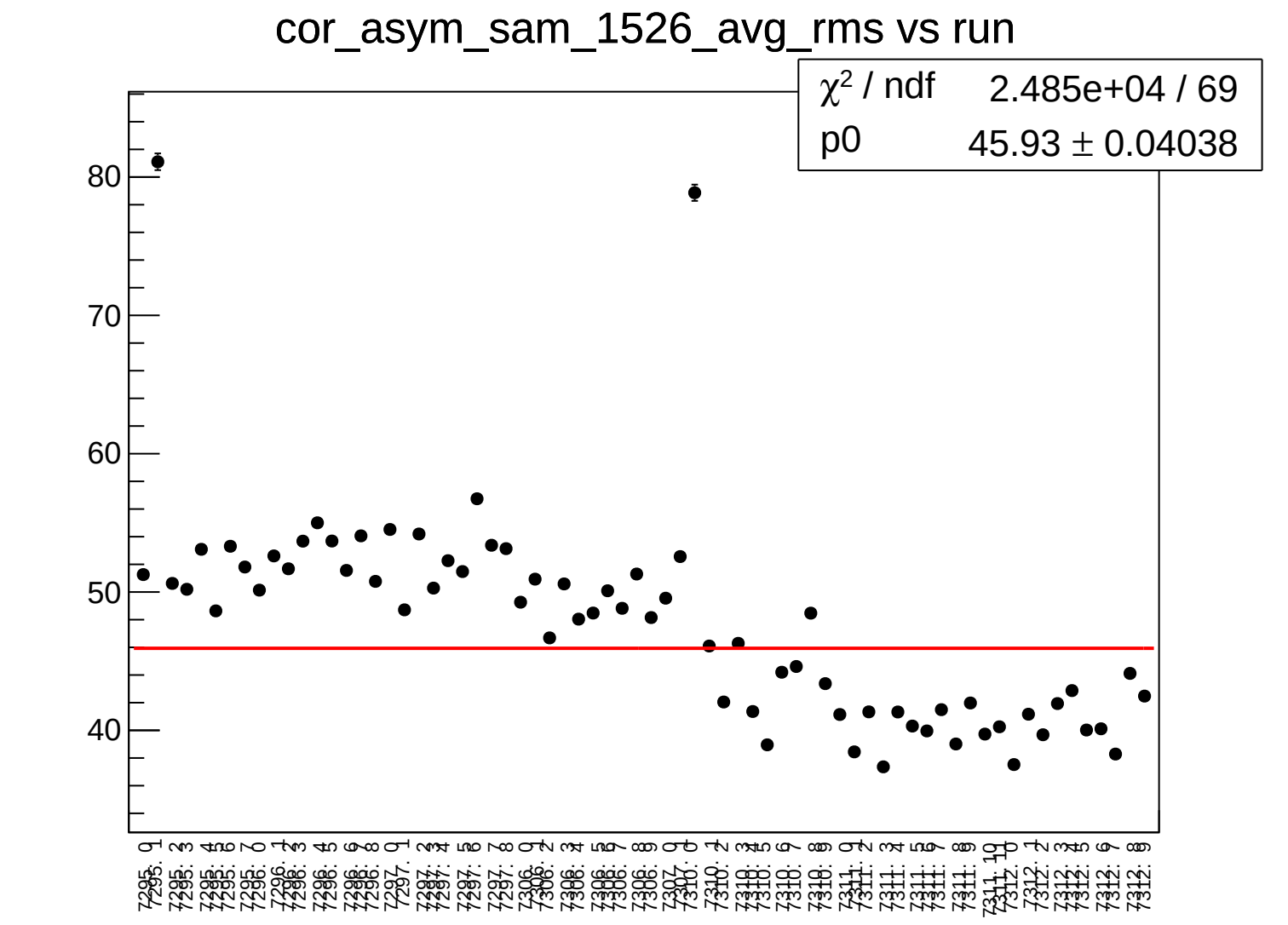

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 76.46 / 69
p0 −498.1± 271.6
pull
Entries 70
Mean 7738
Std Dev 0

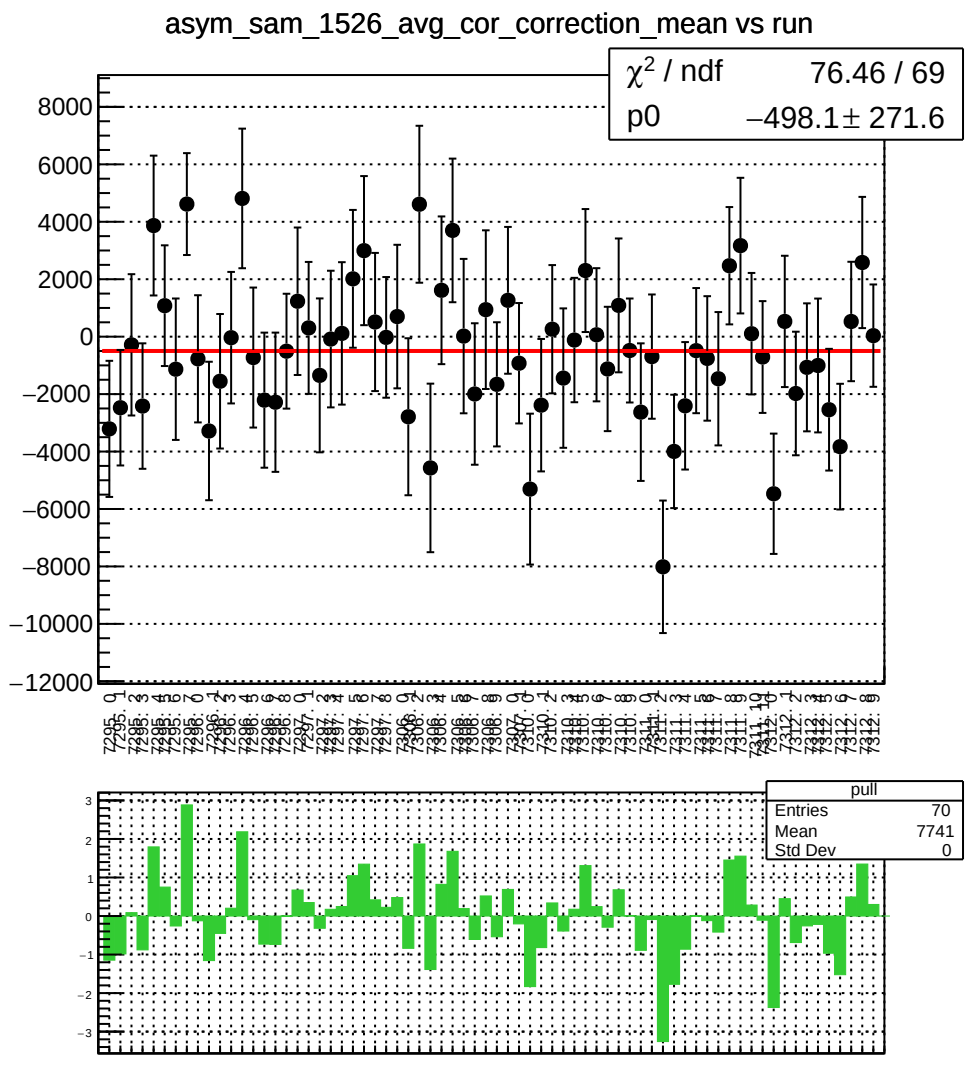

pull1D
Entries 70
Mean −0.000412
Std Dev 1.045

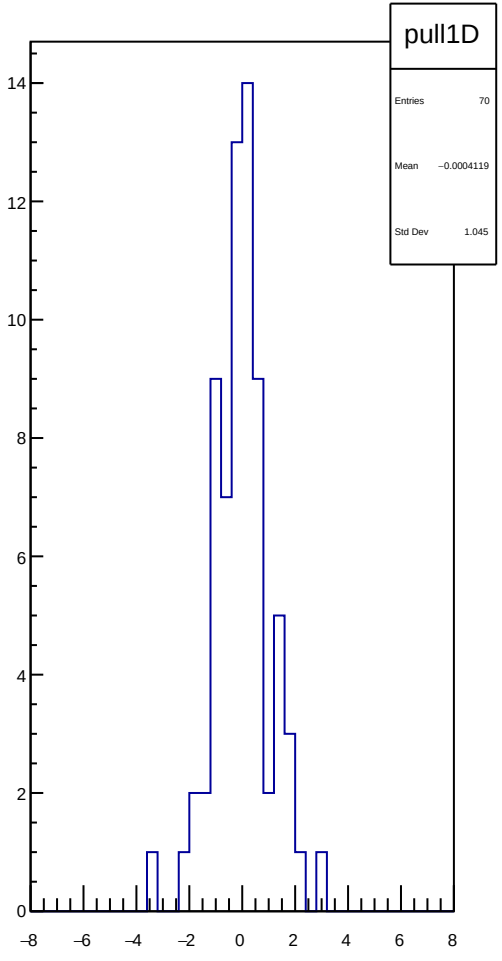

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 8262 / 69
p0 219.9 ± 0.192
280
260
240
220
200
180

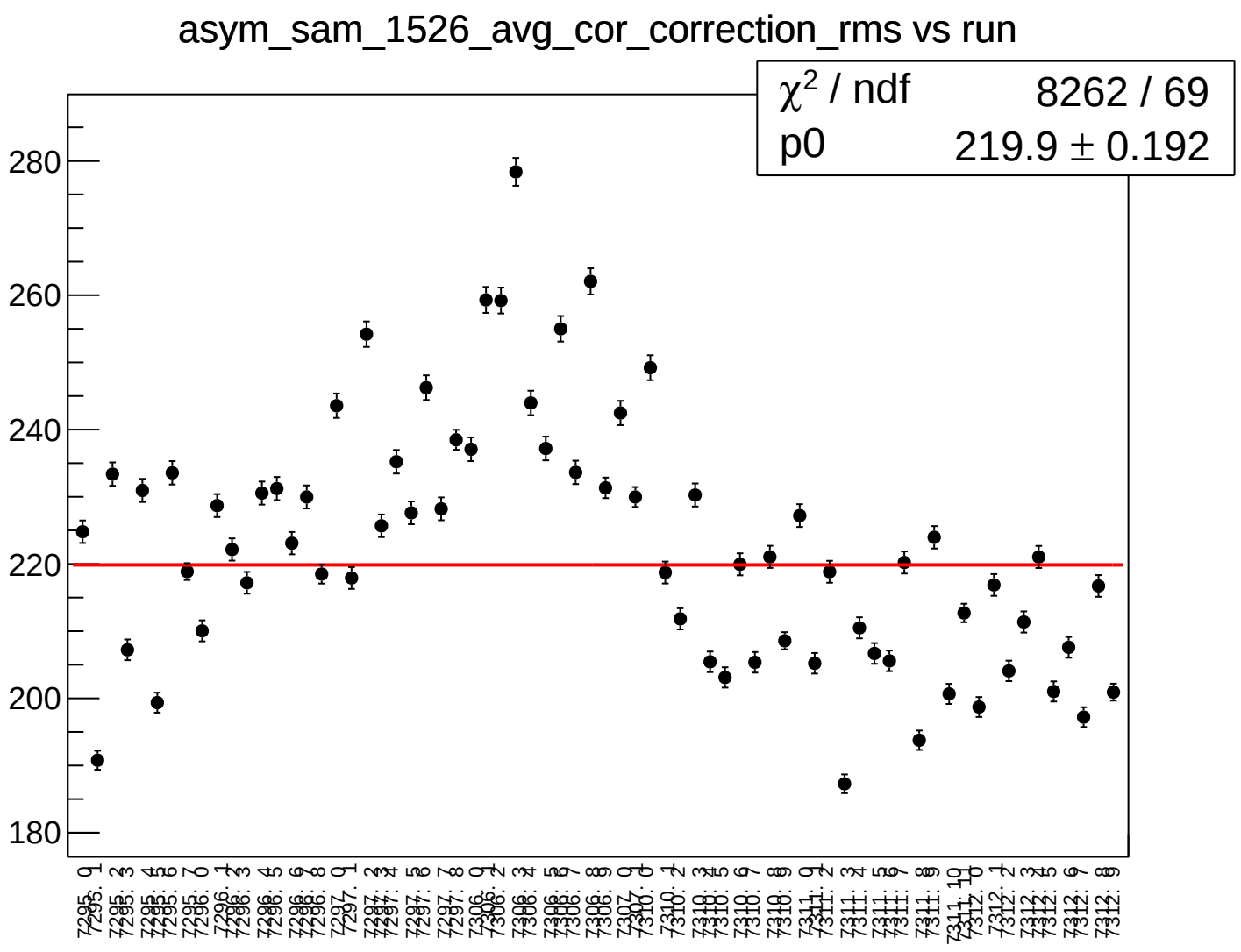

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 95.22 / 69
p0 −76.4 ± 57.1
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 24.3
Std Dev 0
3
2
1
0
−1
−2
−3

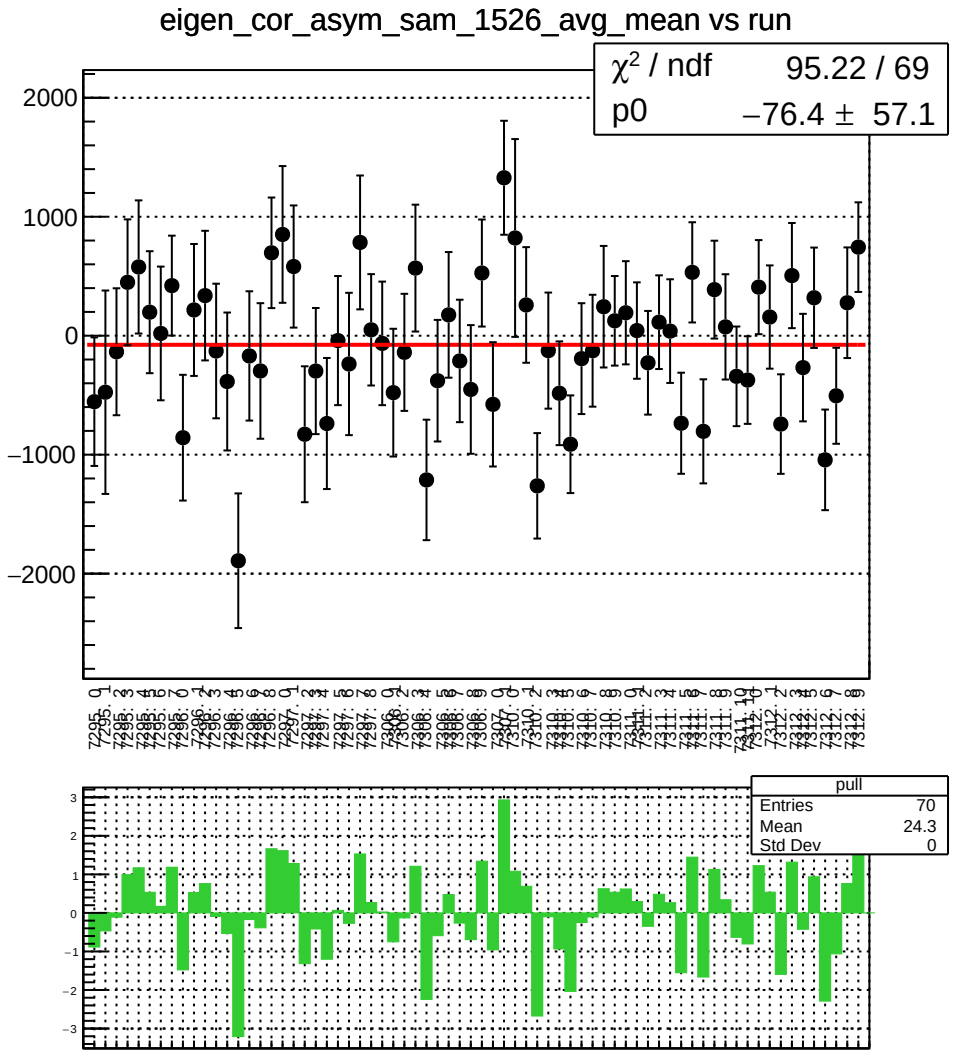

pull1D
Entries 70
Mean −0.005931
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

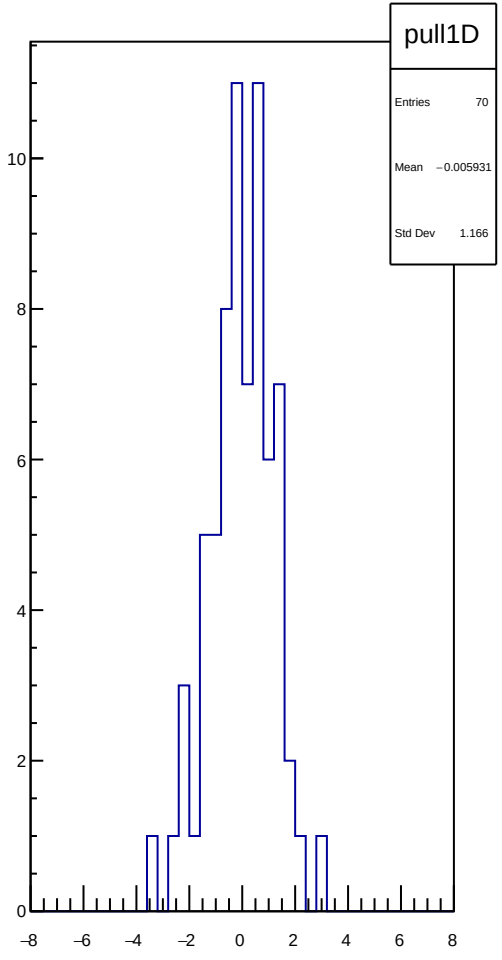

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.485e+04 / 69
p0 45.93 ± 0.04038
80
70
60
50
40

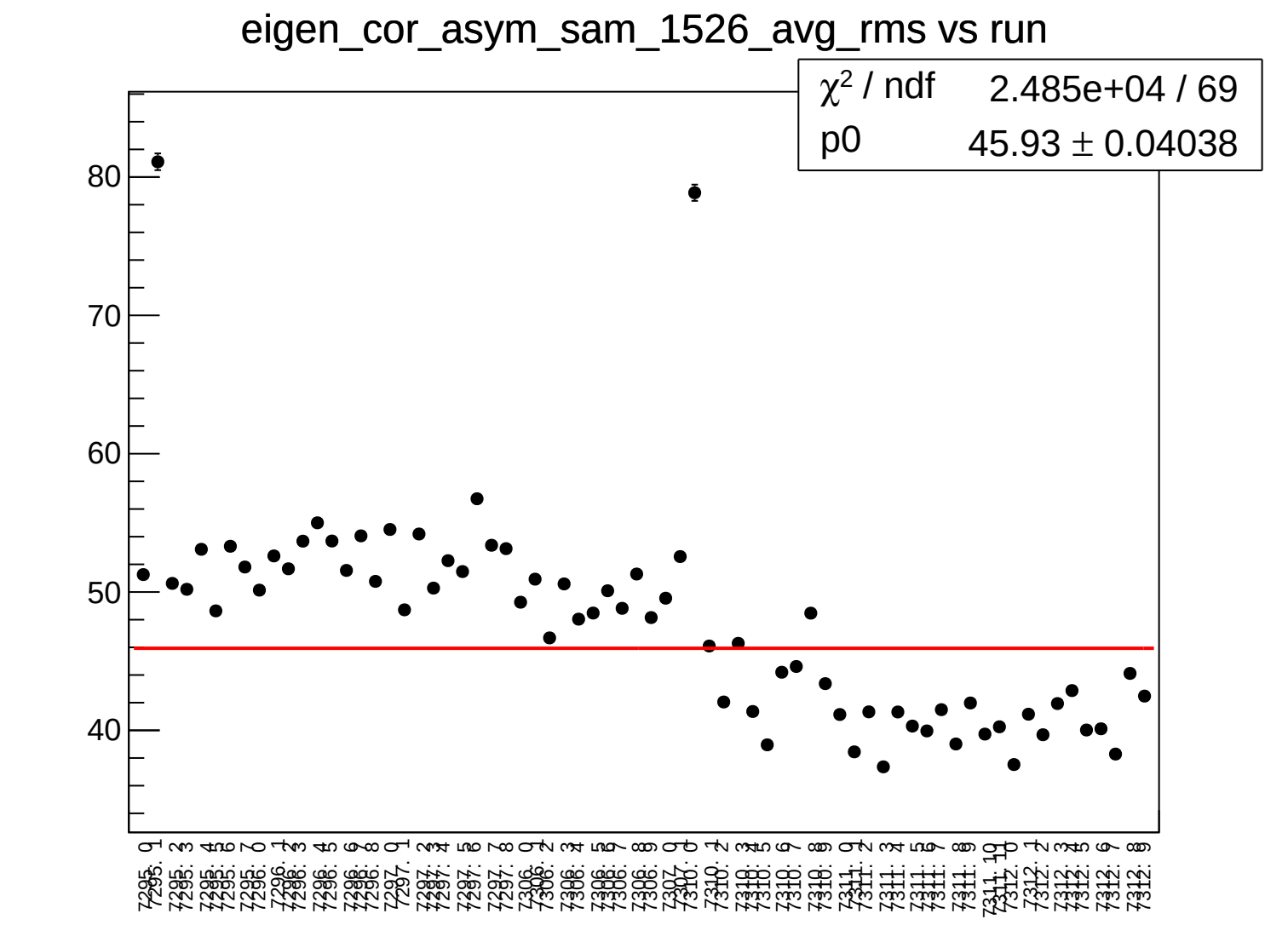

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 76.46 / 69
p0 −498.1± 271.6
pull
Entries 70
Mean 7741
Std Dev 0

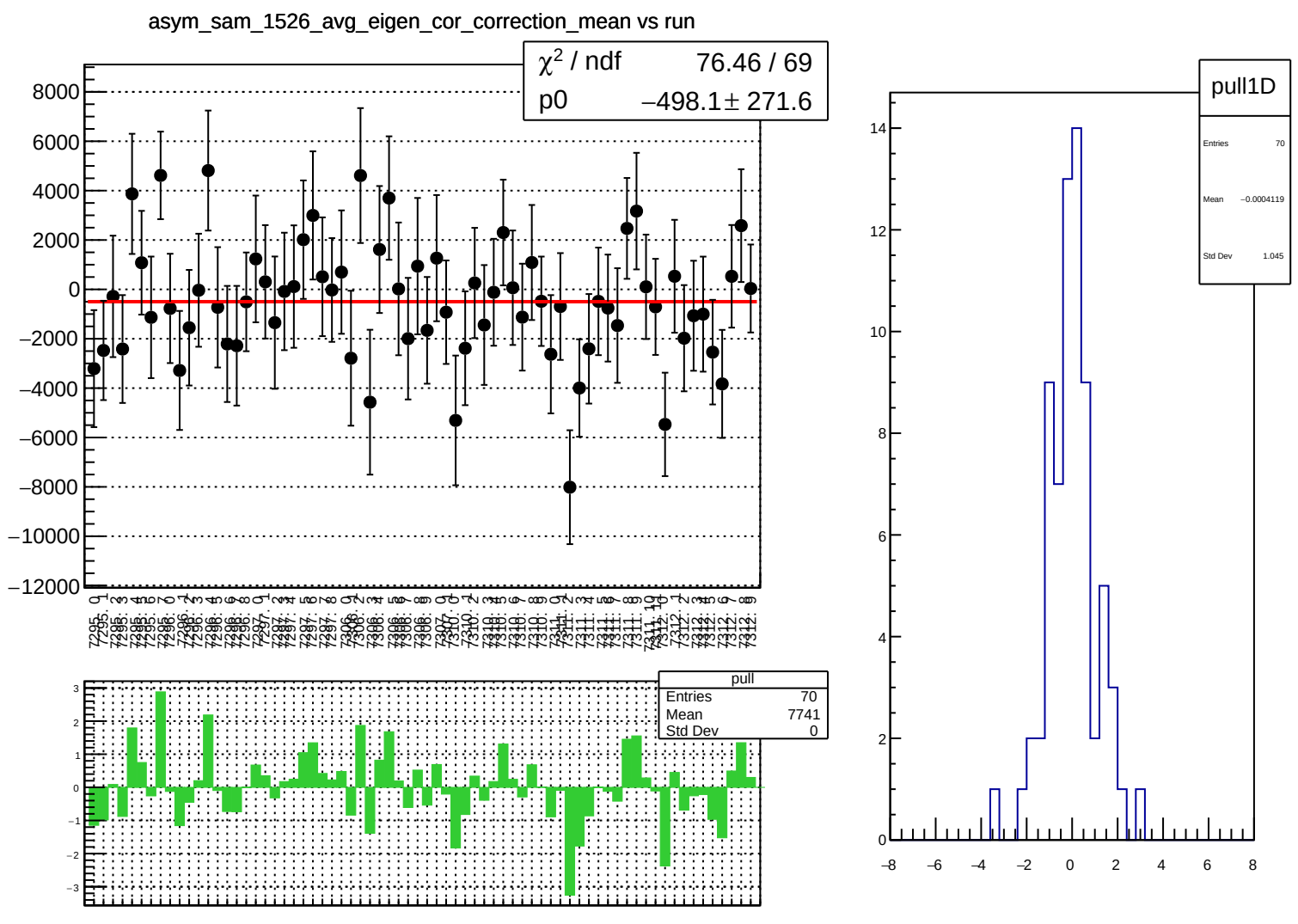

pull1D
Entries 70
Mean −0.0004119
Std Dev 1.045

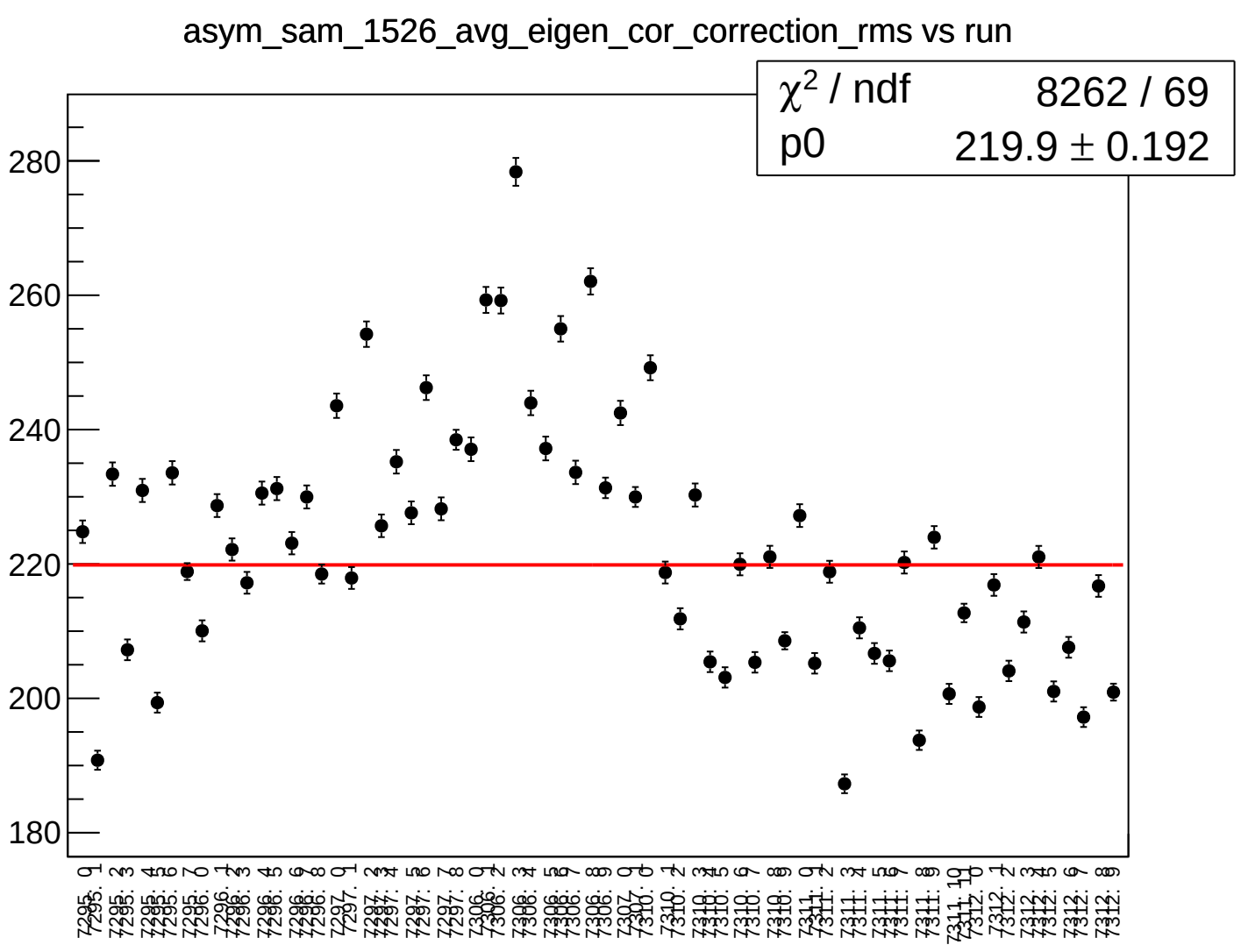

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 8262 / 69
p0 219.9 ± 0.192
280
260
240
220
200
180

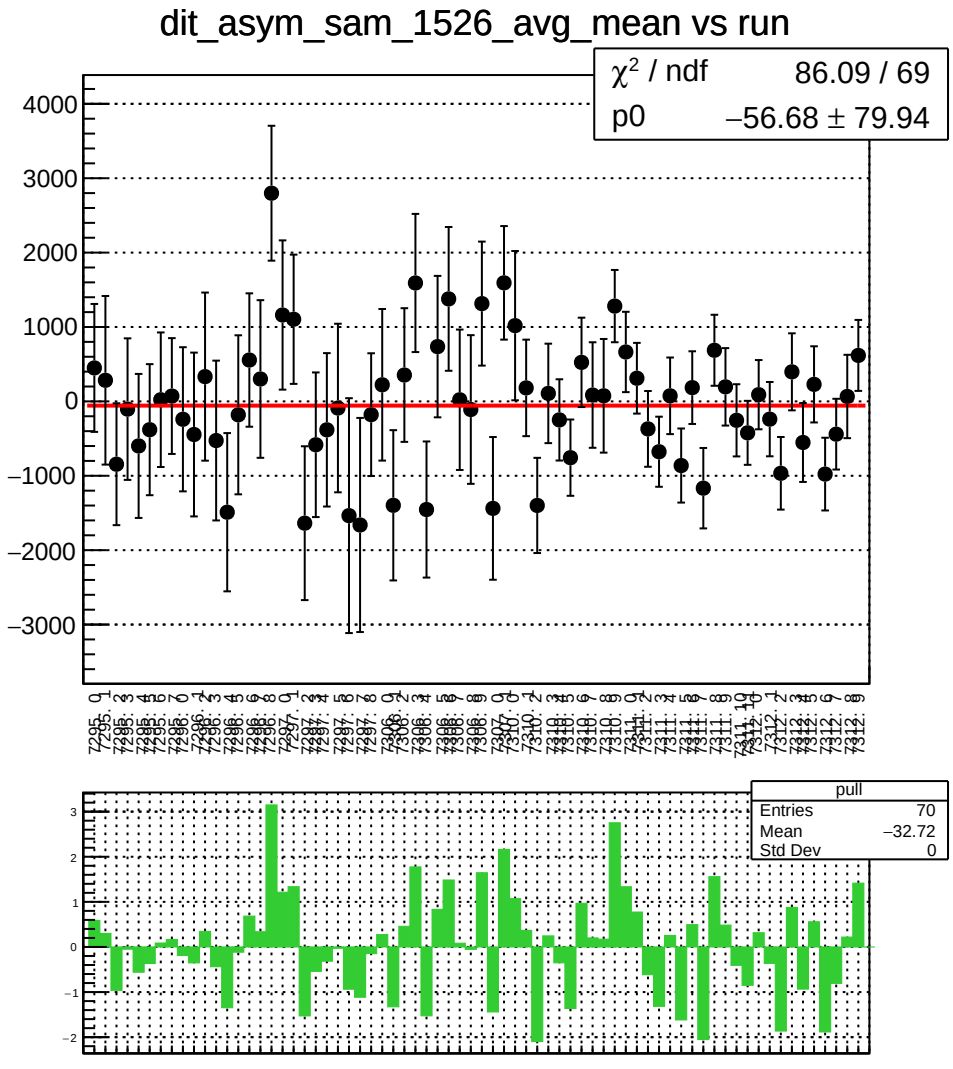

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 95.22 / 69
p0 −76.4 ± 57.1
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 24.3
Std Dev 0
3
2
1
0
−1
−2
−3

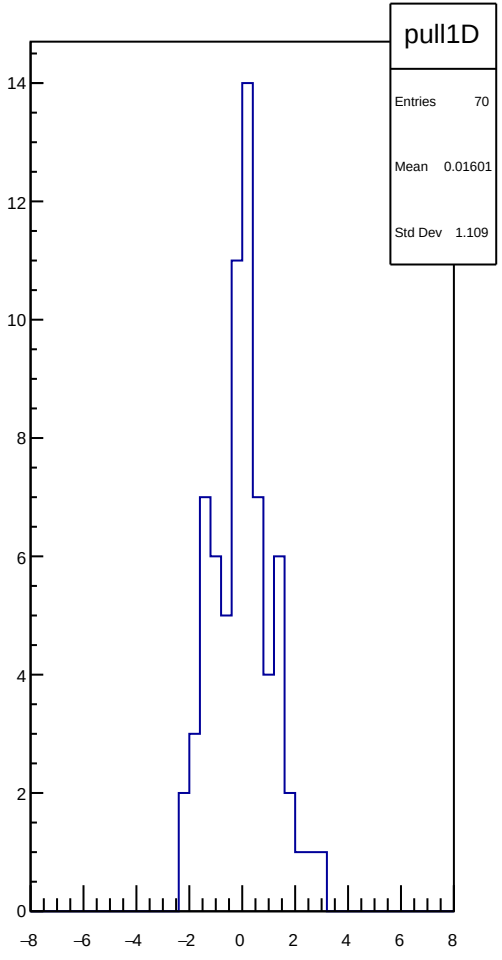

pull1D
Entries 70
Mean −0.005931
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

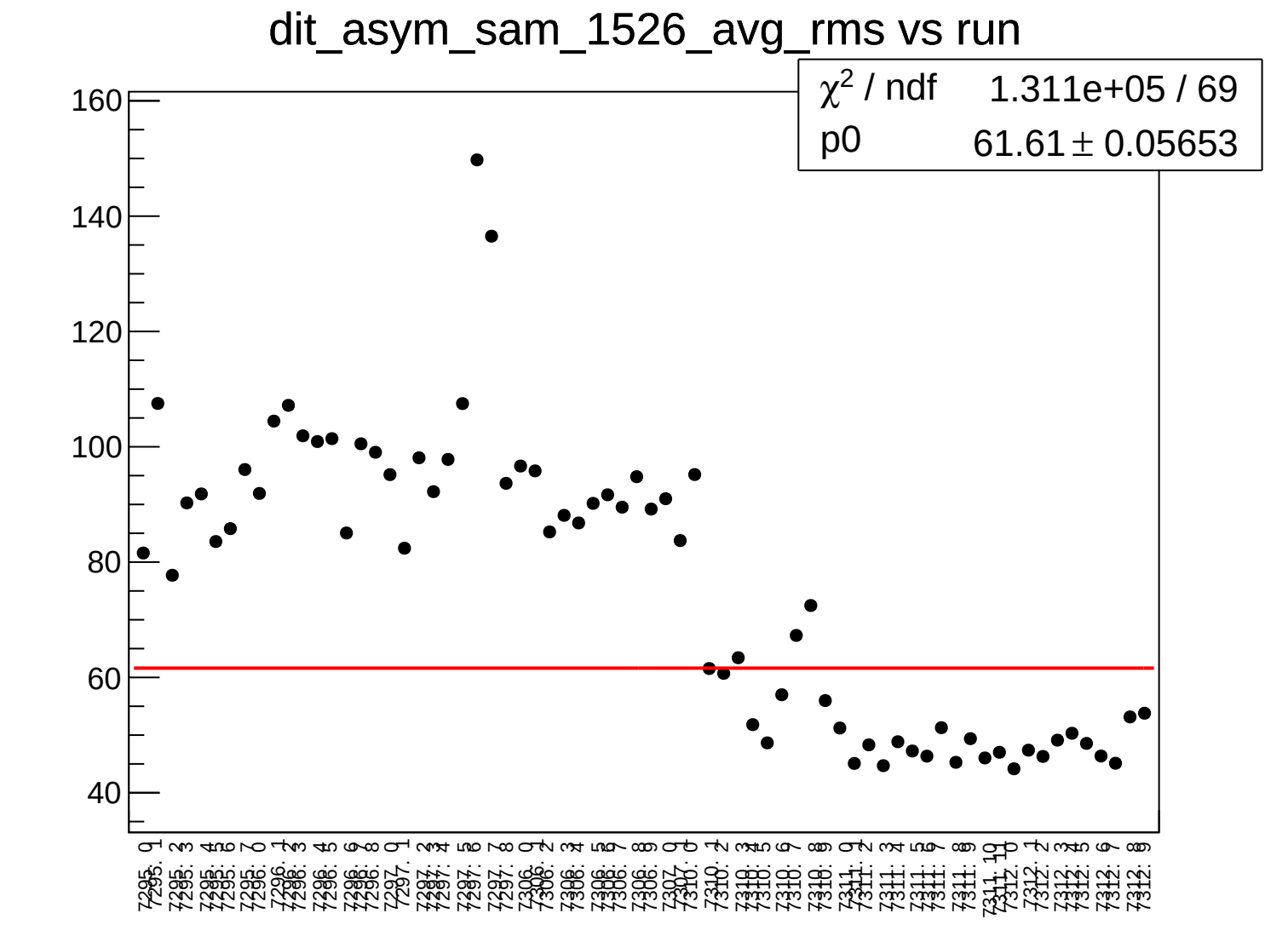

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.485e+04 / 69
p0 45.93 ± 0.04038
80
70
60
50
40

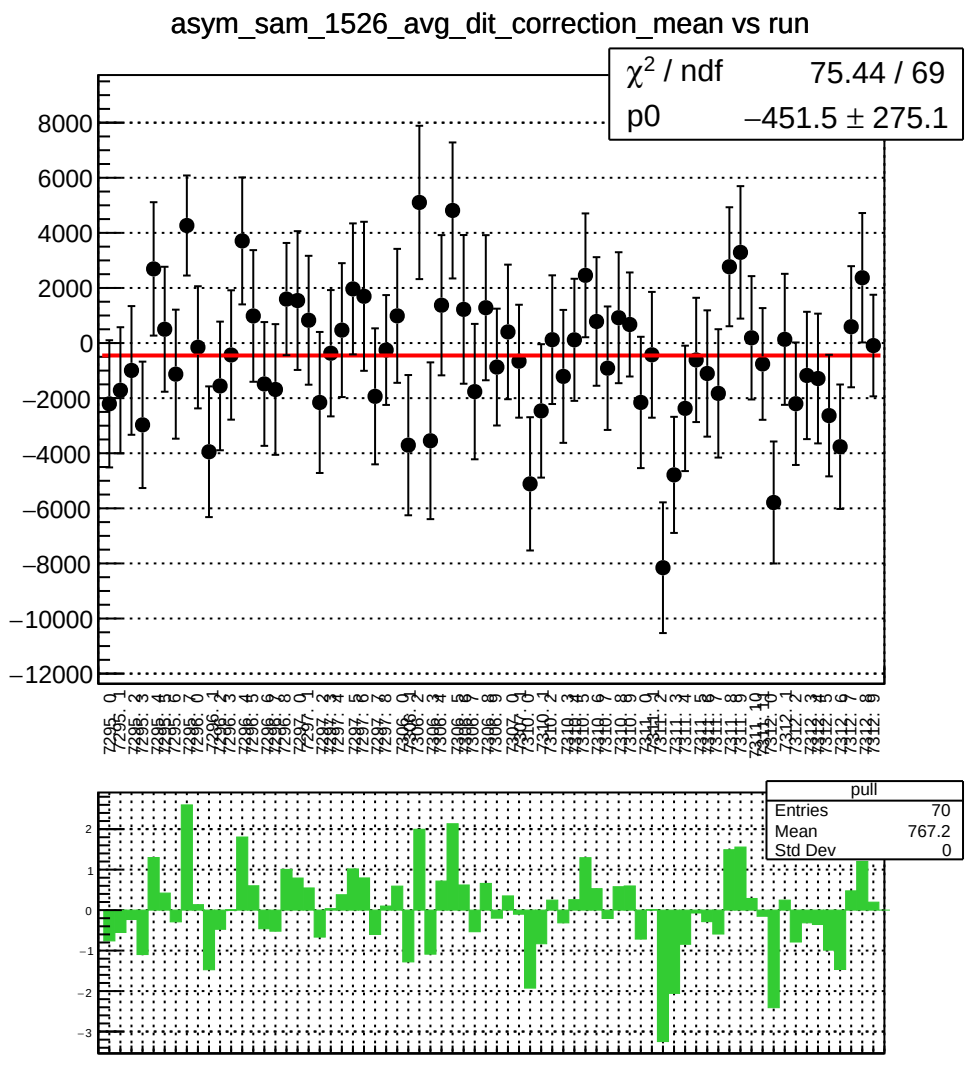

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.46 / 69
p0 −498.1± 271.6
pull
Entries 70
Mean 7741
Std Dev 0
pull1D
Entries 70
Mean −0.0004119
Std Dev 1.045

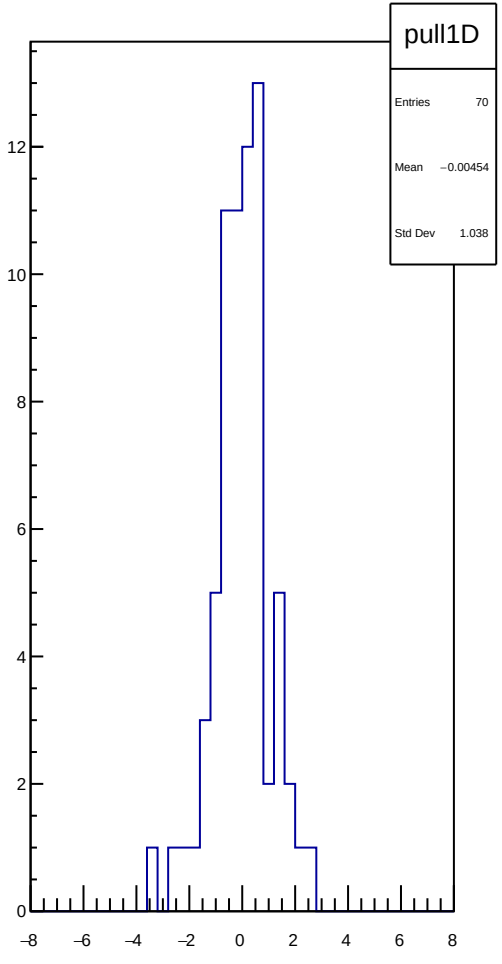

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 8262 / 69
p0 219.9 ± 0.192
280
260
240
220
200
180

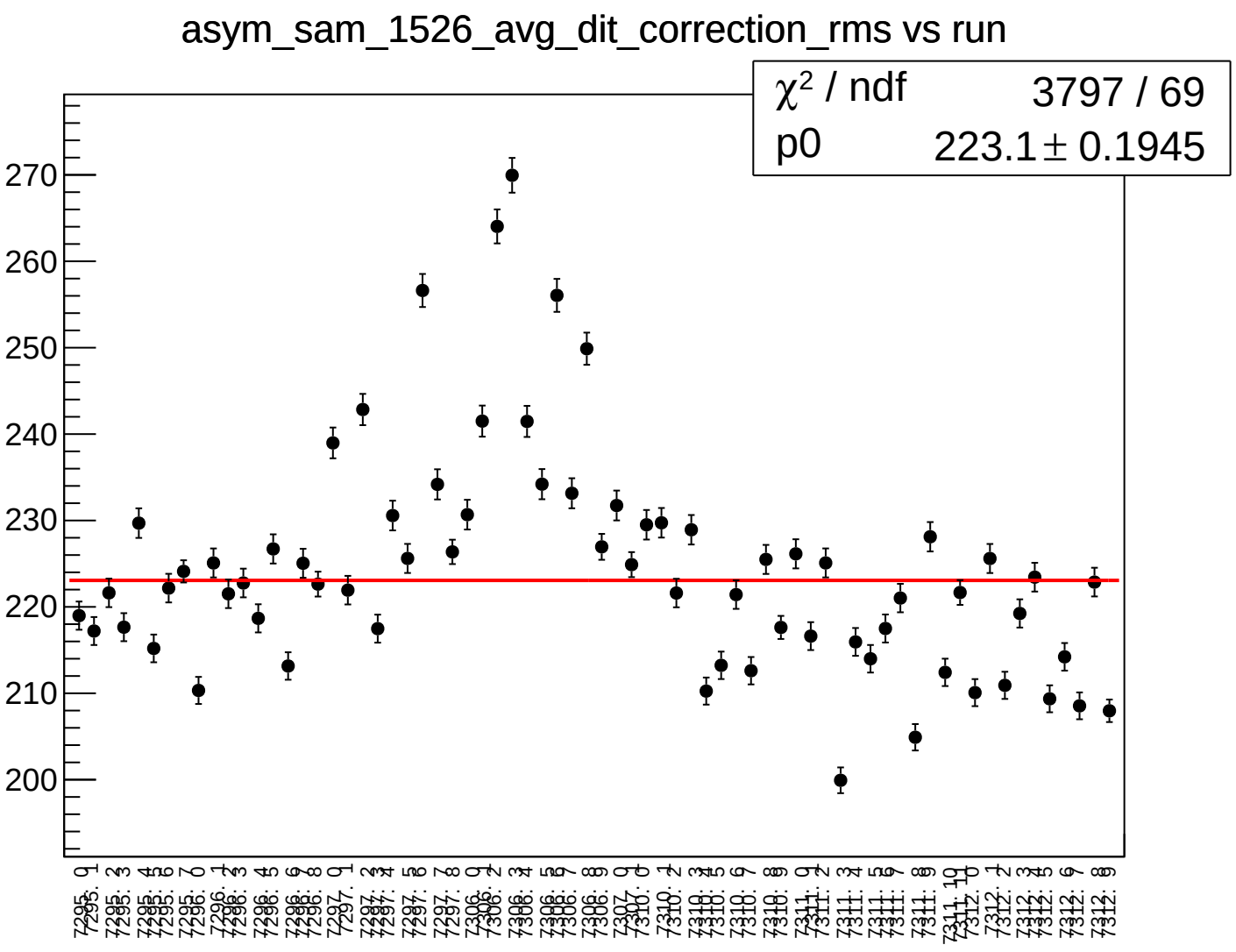

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 86.09 / 69
p0 −56.68 ± 79.94
pull
Entries 70
Mean −32.72
Std Dev 0

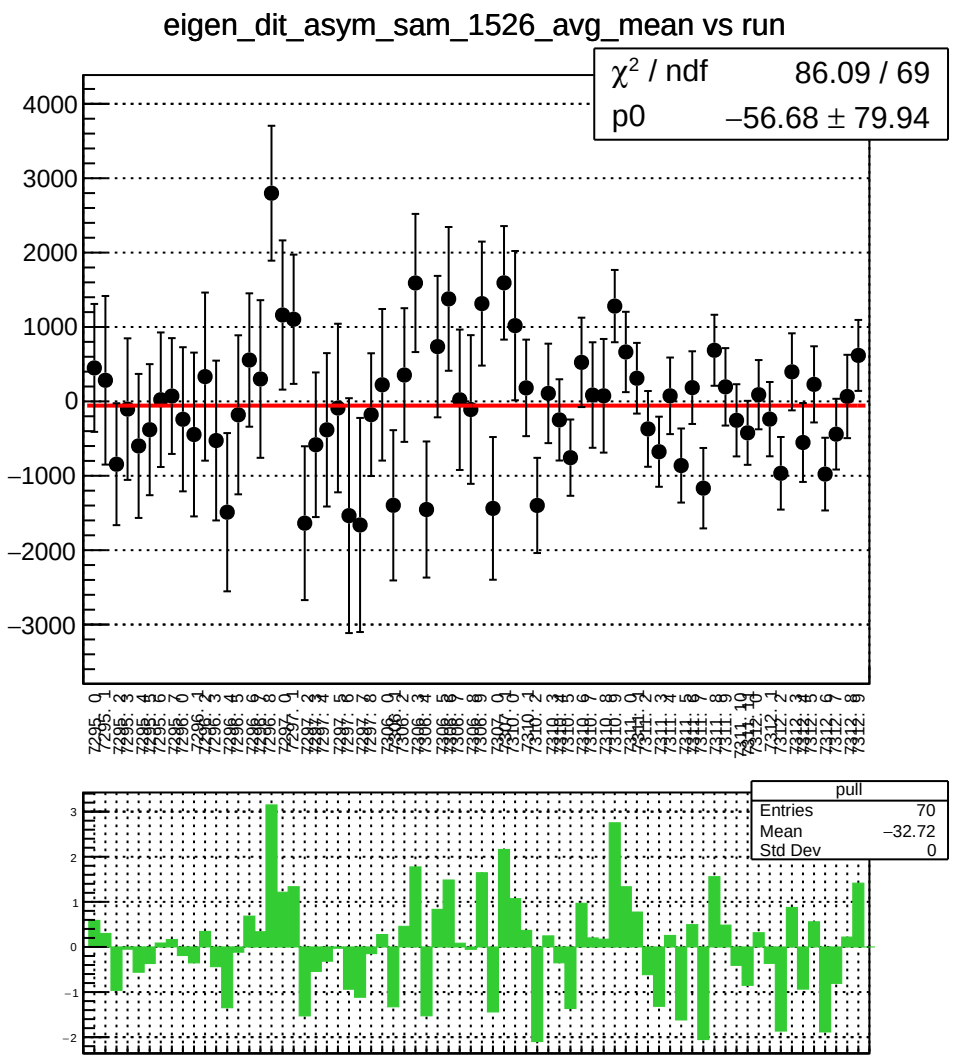

pull1D
Entries 70
Mean 0.01601
Std Dev 1.109

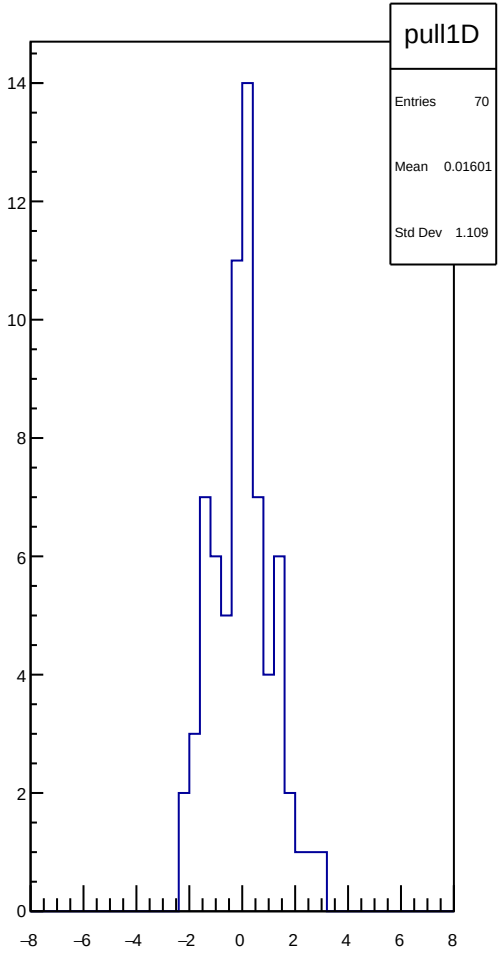

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.311e+05 / 69
p0 61.61 ± 0.05653
160
140
120
100
80
60
40

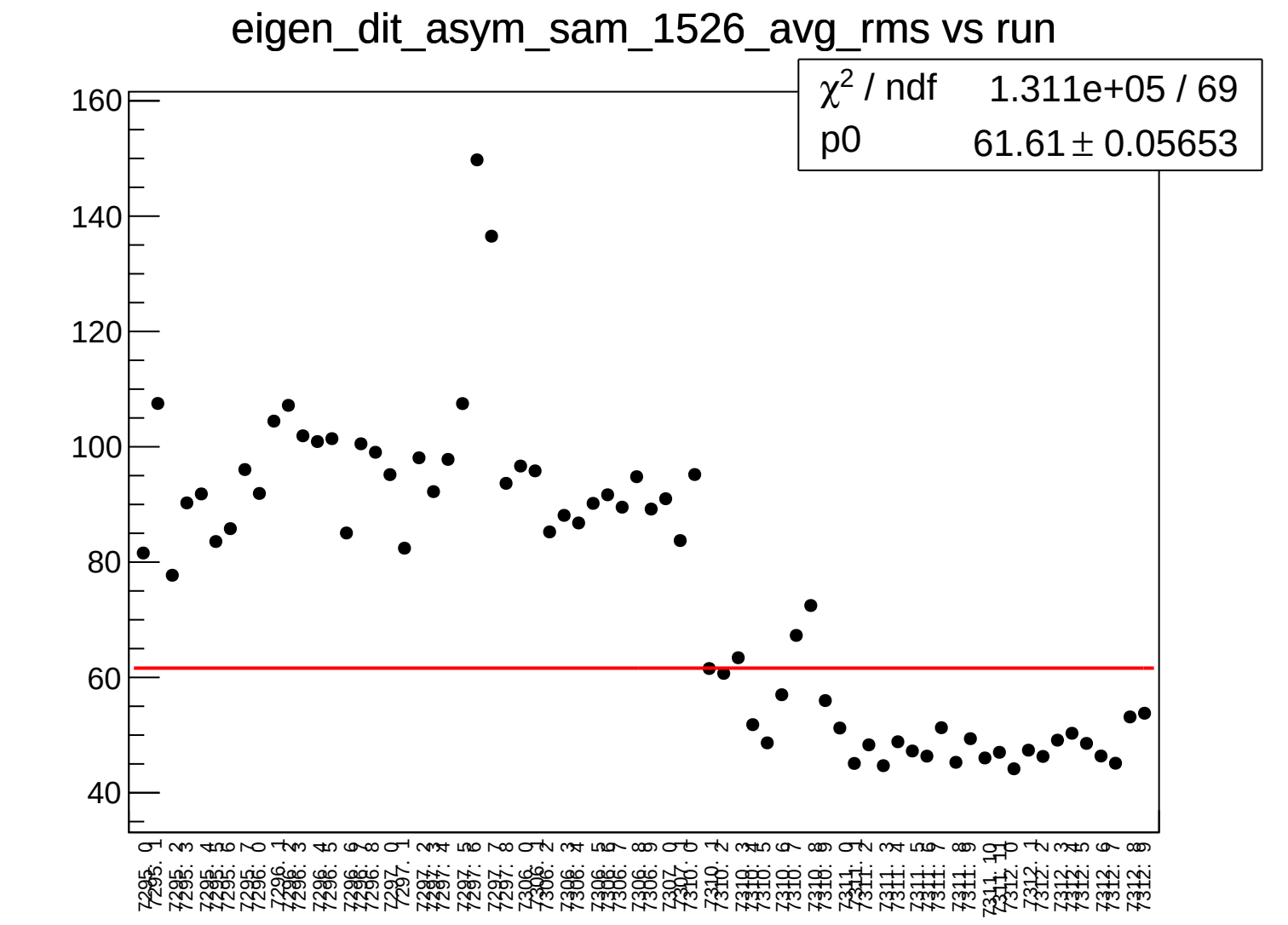

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 75.44 / 69
p0 −451.5 ± 275.1
pull
Entries 70
Mean 767.2
Std Dev 0

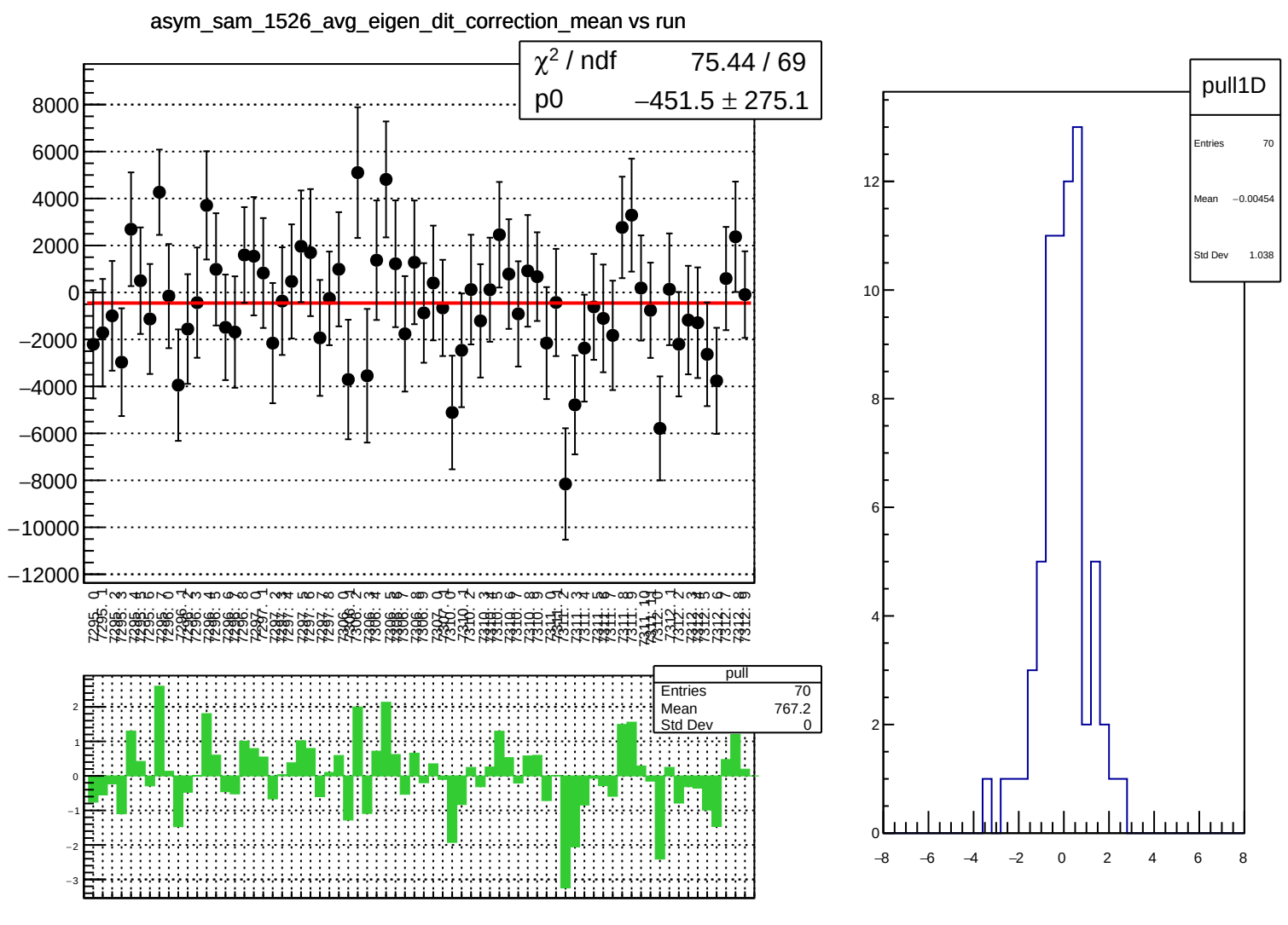

pull1D
Entries 70
Mean −0.00454
Std Dev 1.038

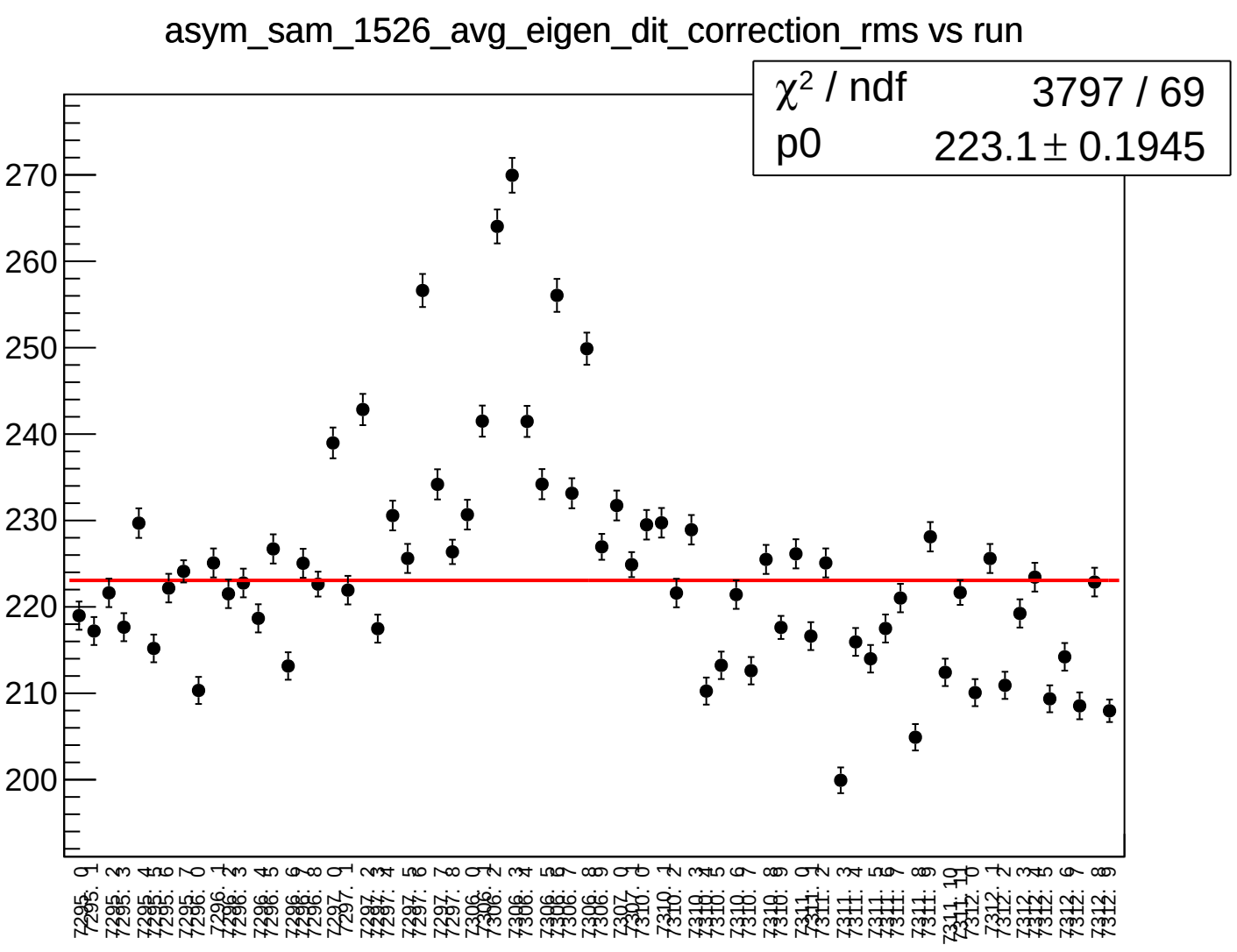

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3797 / 69
p0 223.1 ± 0.1945
270
260
250
240
230
220
210
200

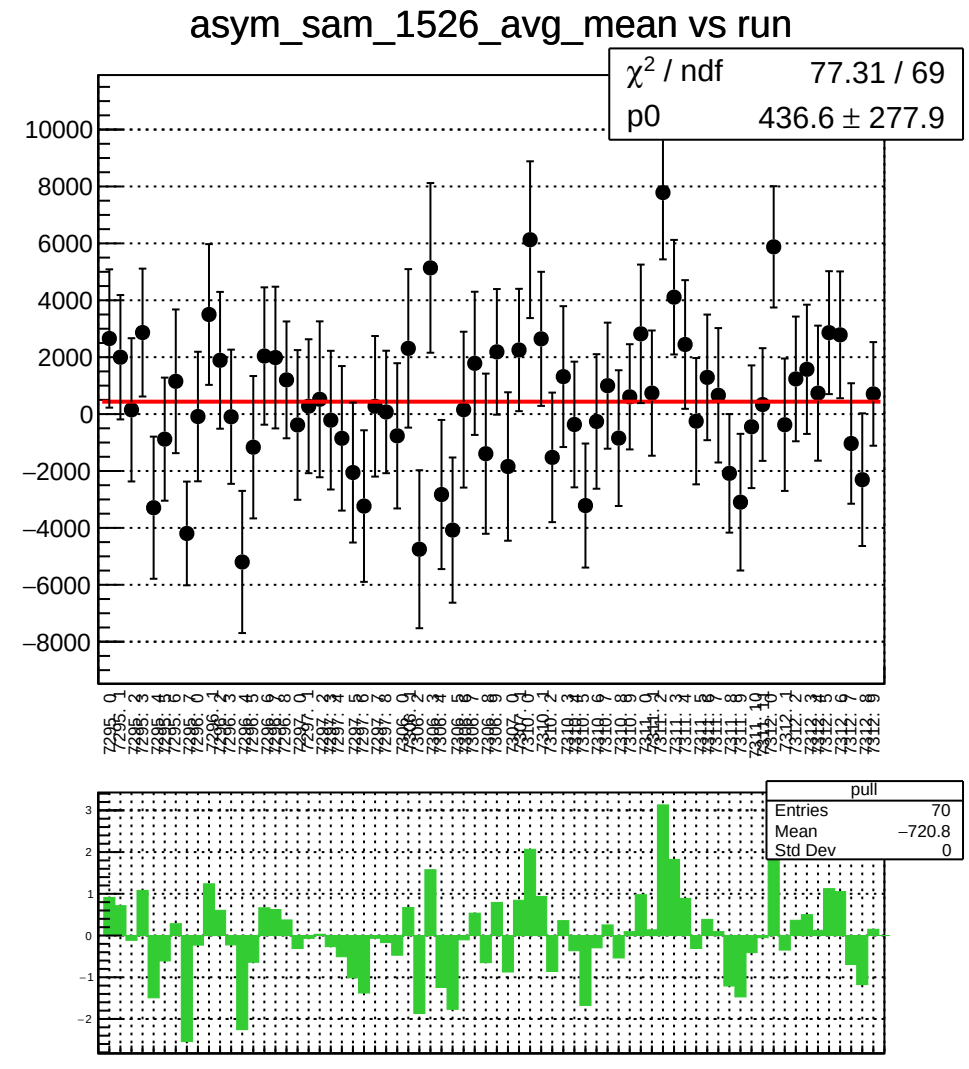

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 86.09 / 69
p0 −56.68 ± 79.94
pull
Entries 70
Mean −32.72
Std Dev 0

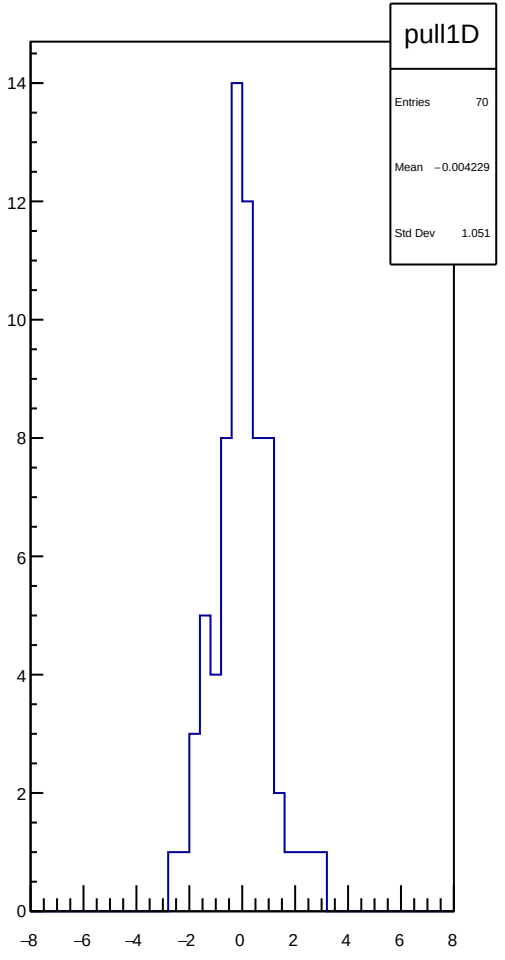

pull1D
Entries 70
Mean 0.01601
Std Dev 1.109

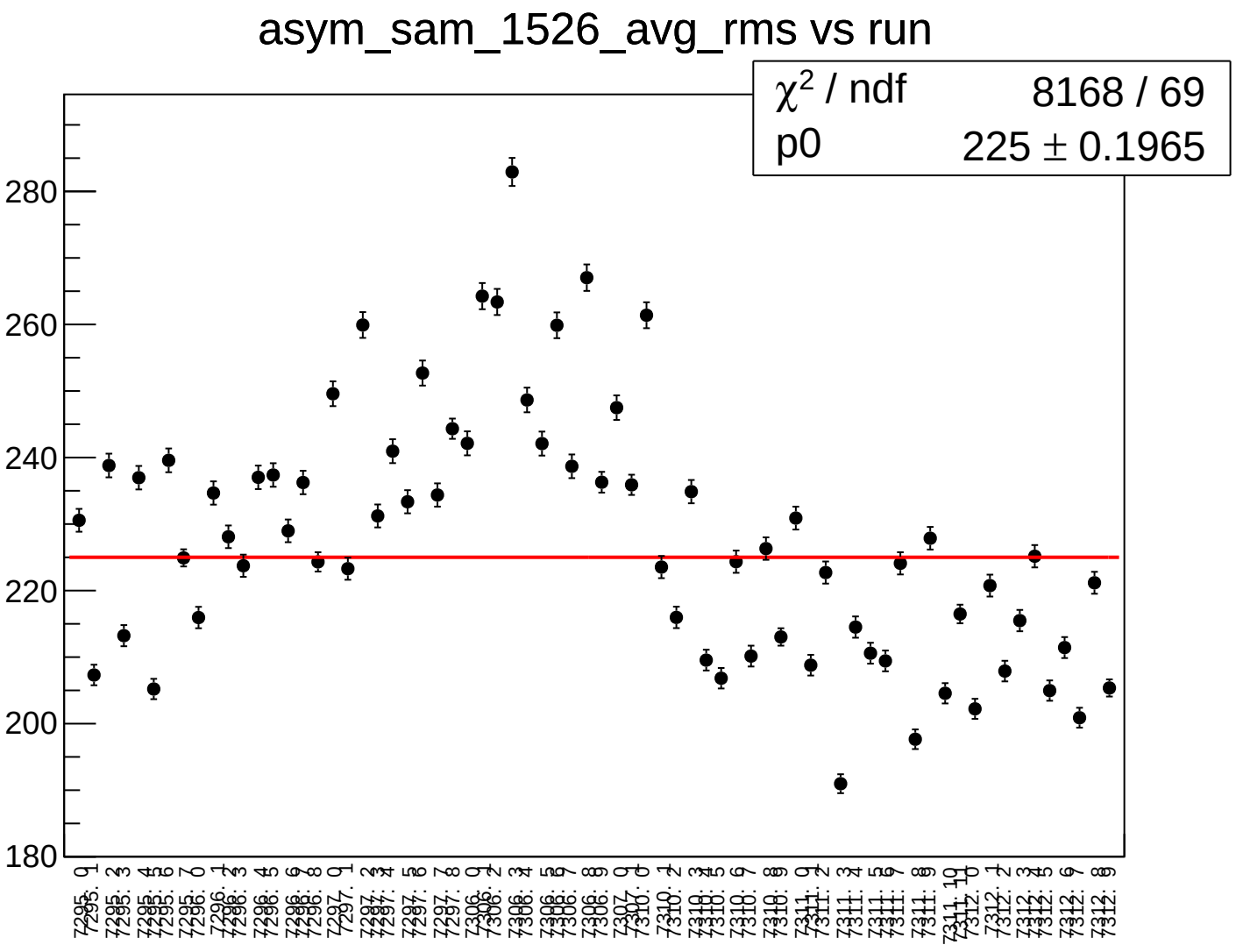

eigen_dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.311e+05 / 69
p0 61.61 ± 0.05653
160
140
120
100
80
60
40

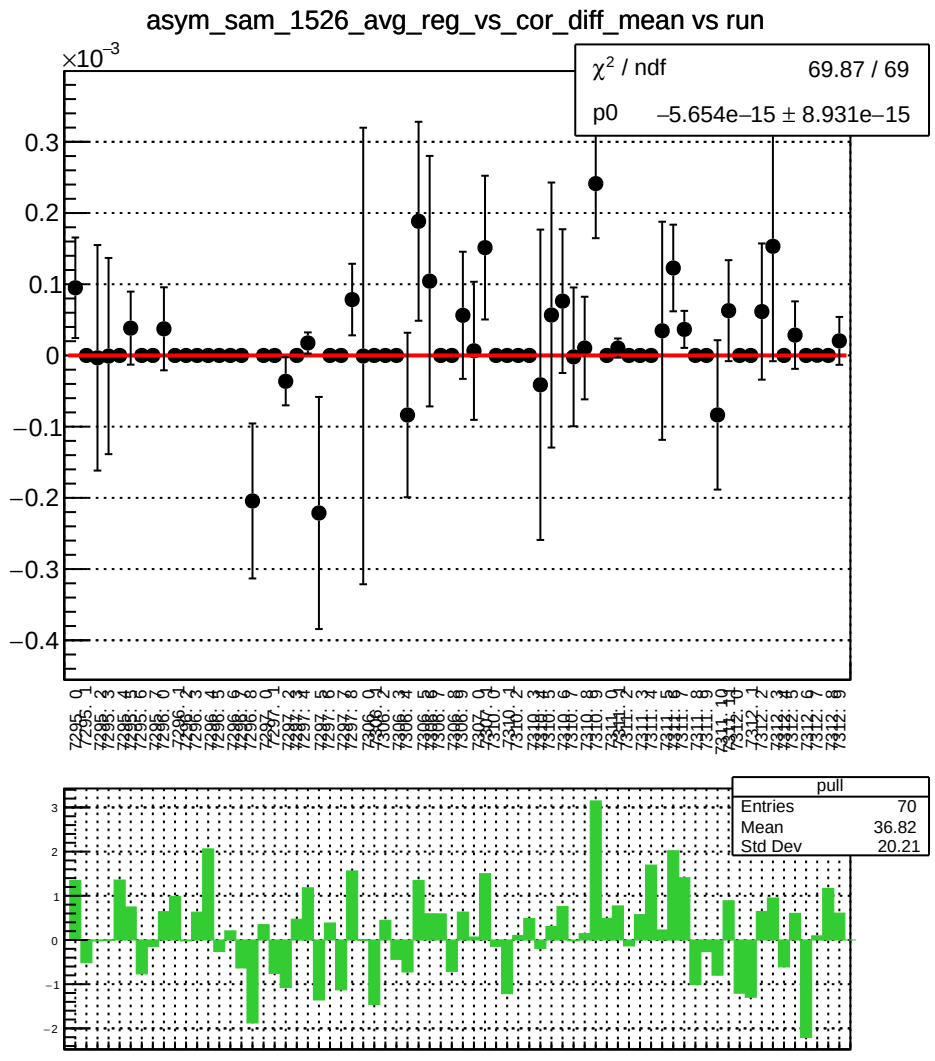

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.44 / 69
p0 −451.5 ± 275.1
pull
Entries 70
Mean 767.2
Std Dev 0
pull1D
Entries 70
Mean −0.00454
Std Dev 1.038

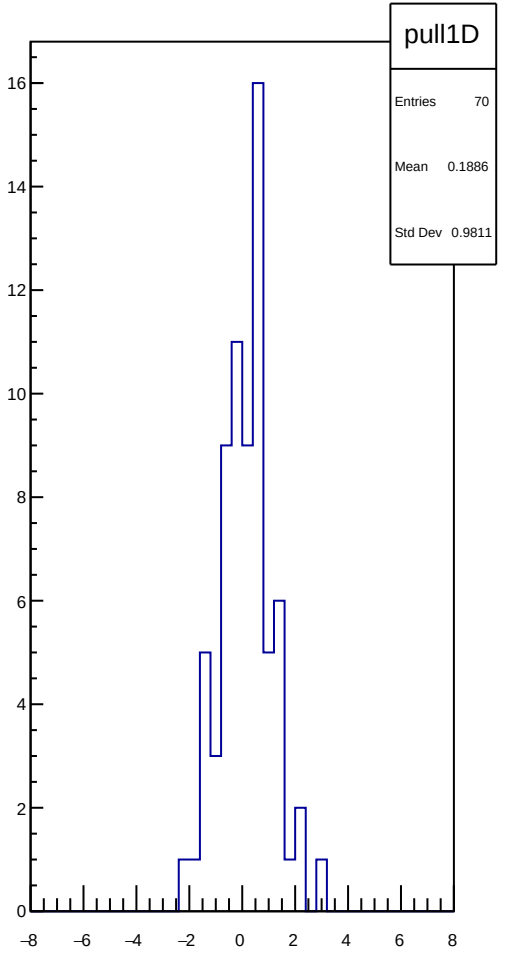

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3797 / 69
p0 223.1 ± 0.1945
270
260
250
240
230
220
210
200

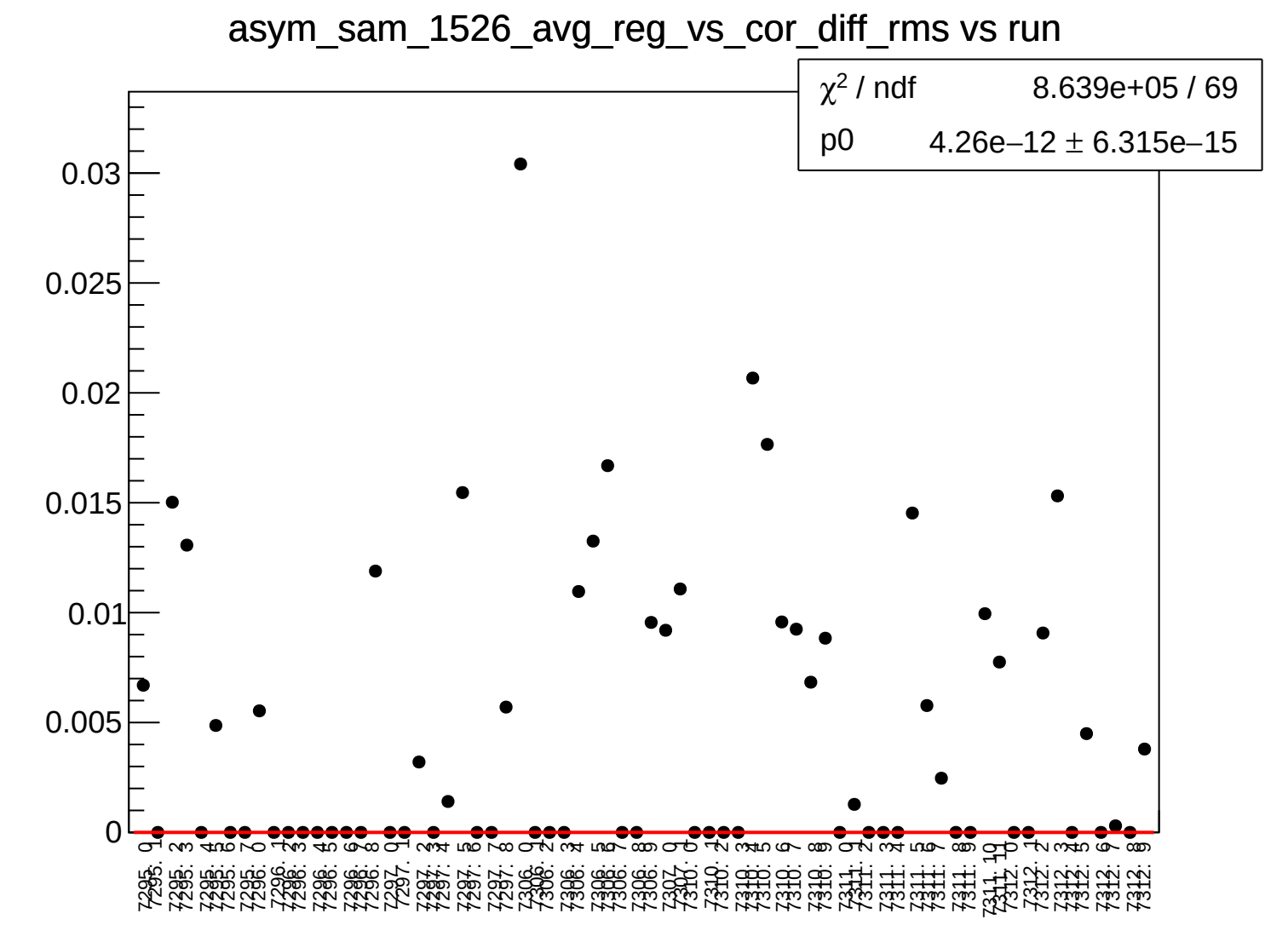

asym_sam_1526_avg_mean vs run
χ² / ndf 77.31 / 69
p0 436.6 ± 277.9
pull
Entries 70
Mean −720.8
Std Dev 0

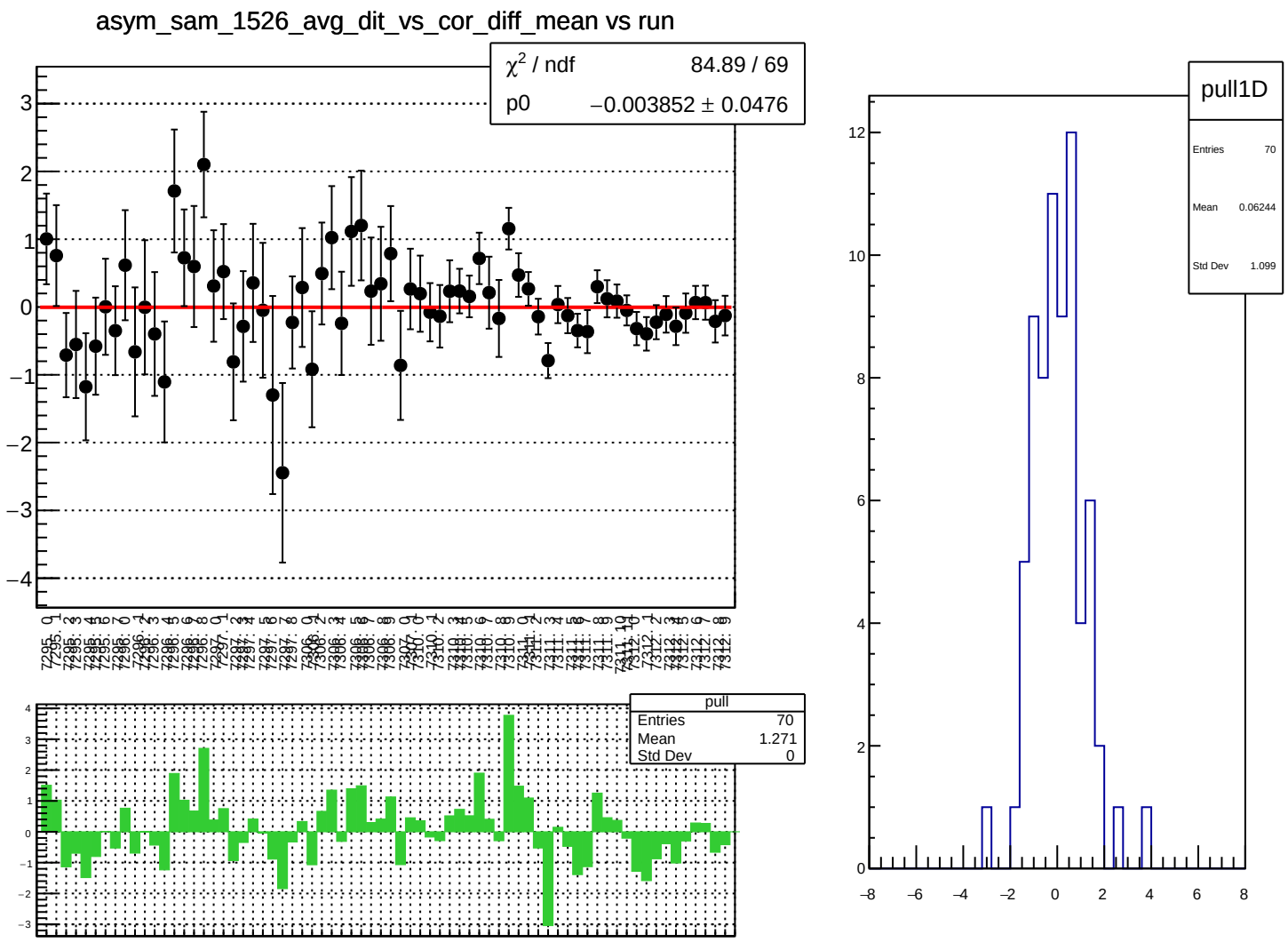

pull1D
Entries 70
Mean −0.004229
Std Dev 1.051

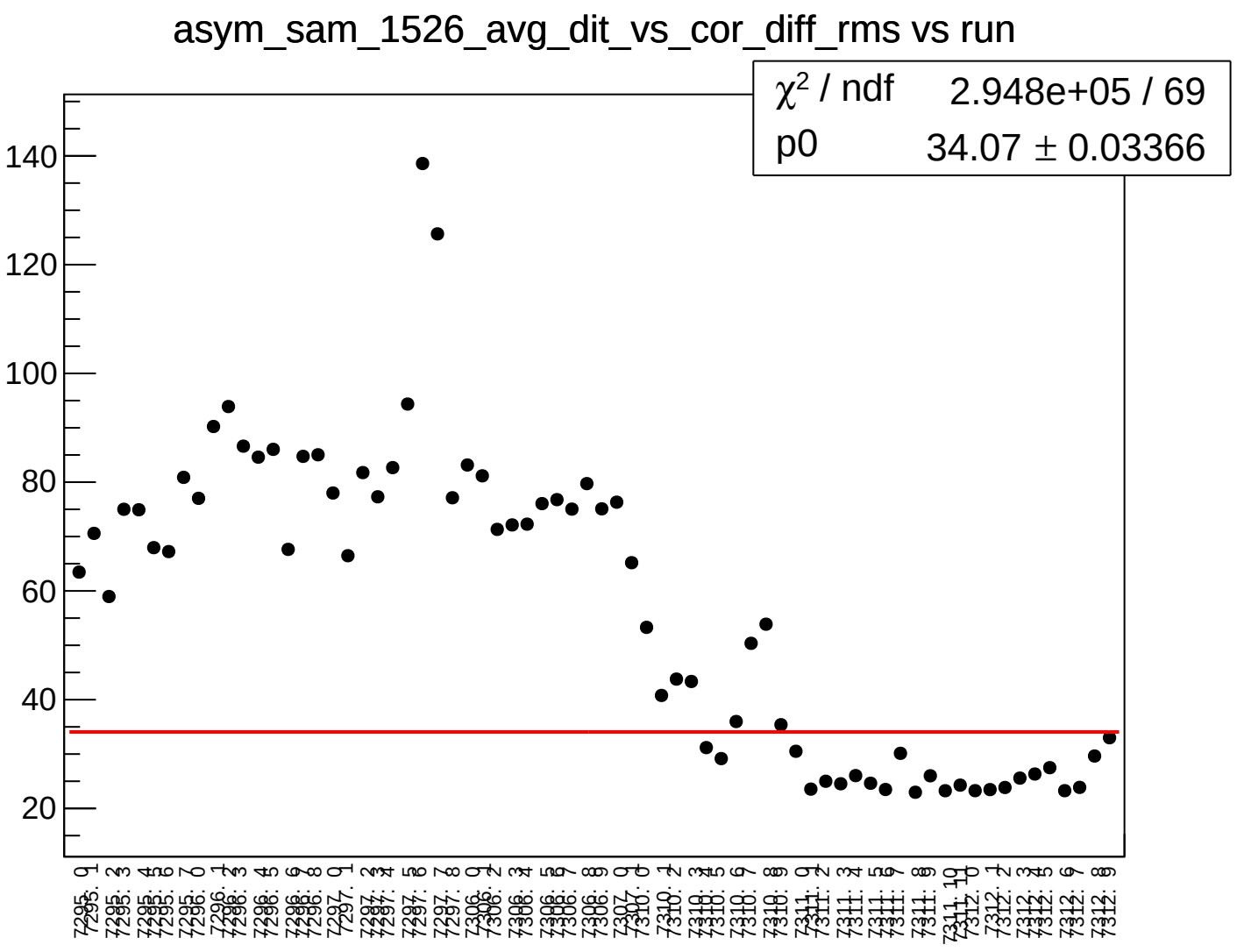

asym_sam_1526_avg_rms vs run
χ^2 / ndf 8168 / 69
p0 225 ± 0.1965
280
260
240
220
200
180

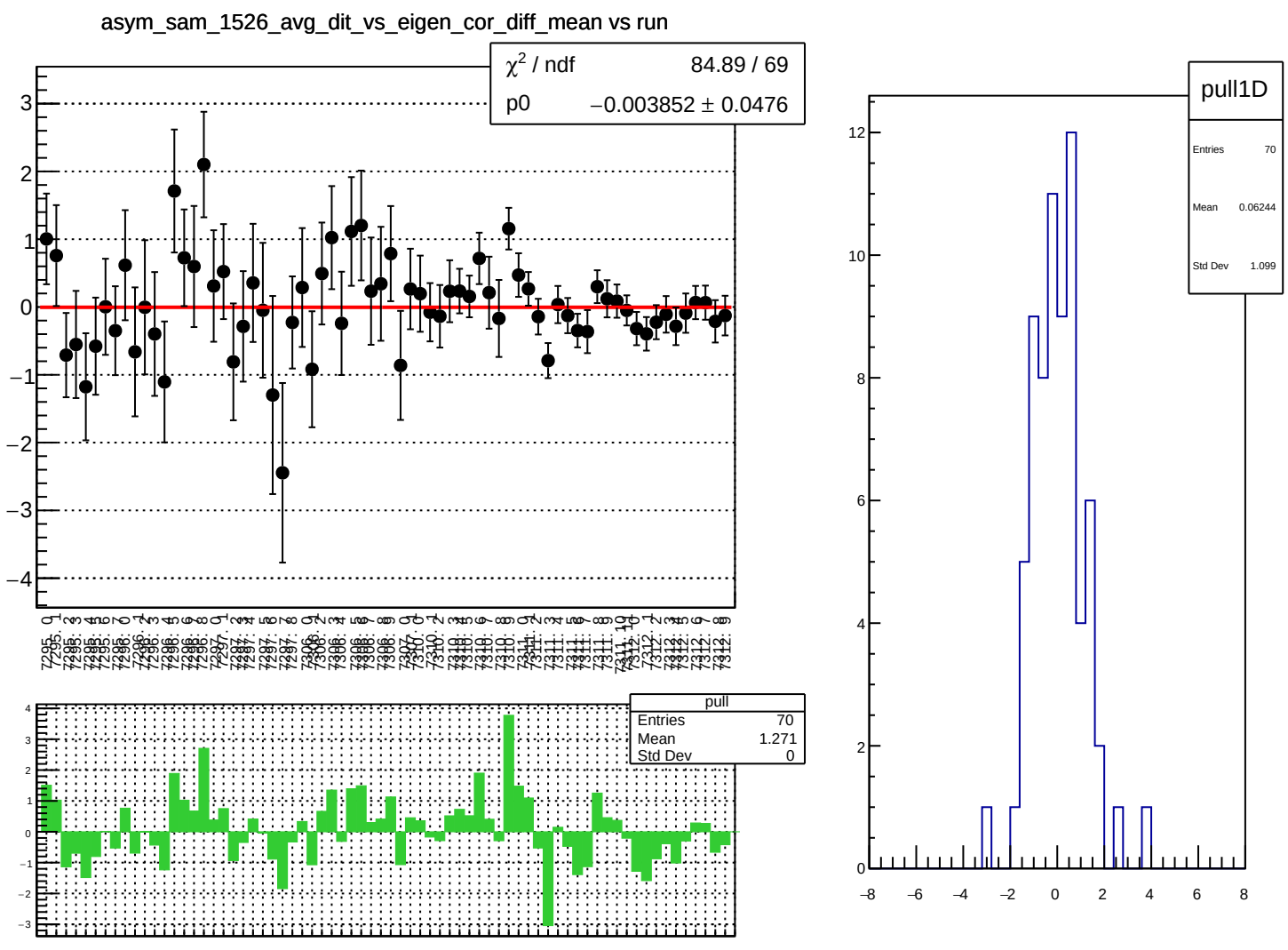

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.87 / 69
p0 −5.654e−15 ± 8.931e−15
pull
Entries 70
Mean 36.82
Std Dev 20.21

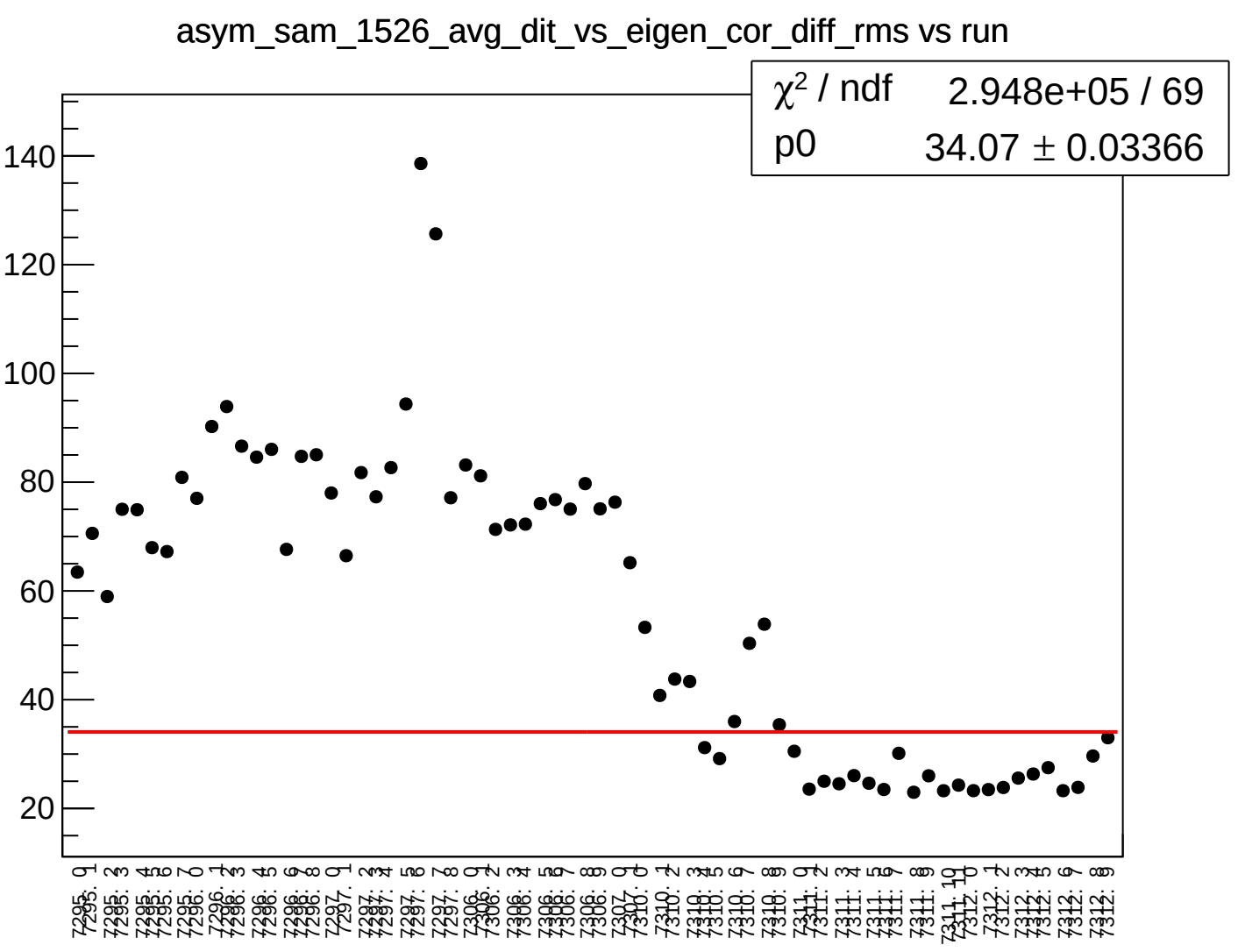

pull1D
Entries 70
Mean 0.1886
Std Dev 0.9811

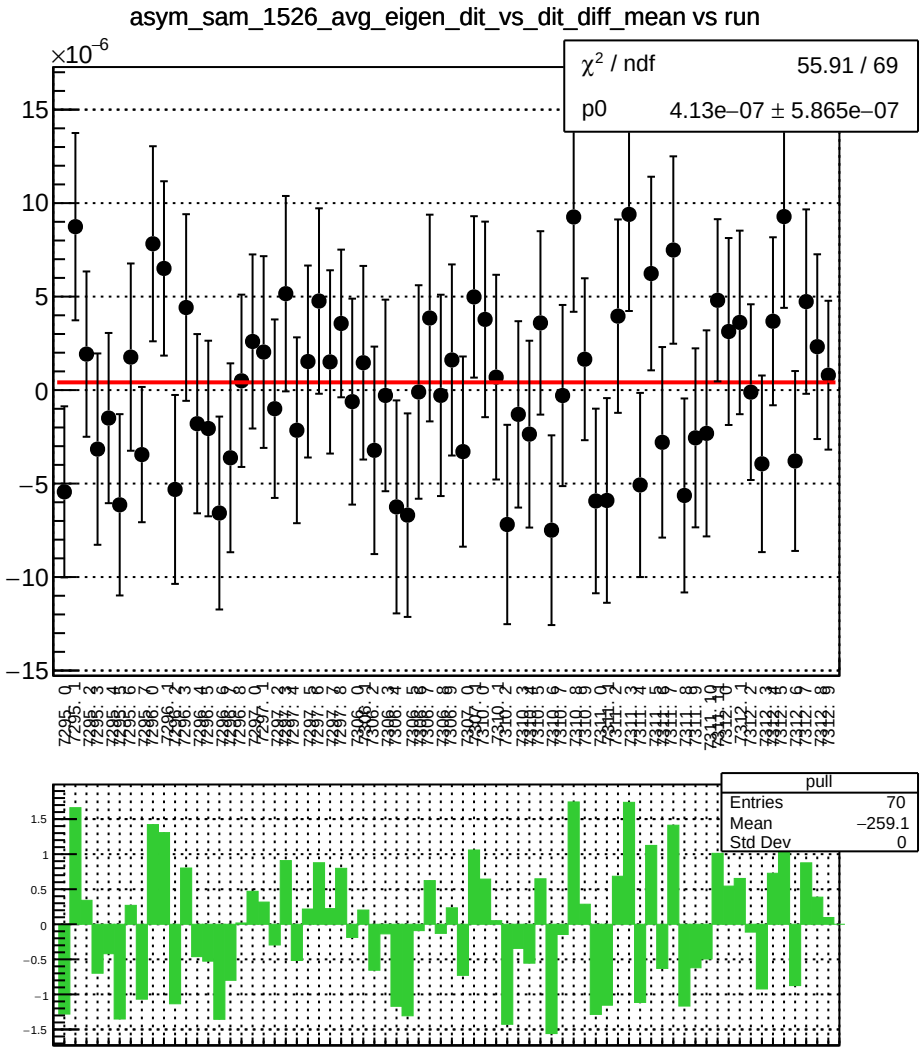

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.639e+05 / 69
p0 4.26e−12 ± 6.315e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

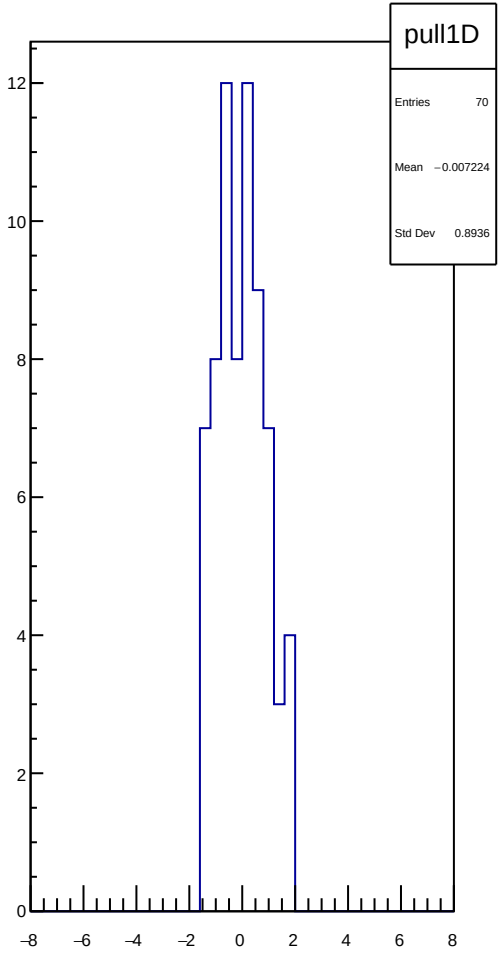

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.89 / 69
p0 −0.003852 ± 0.0476
pull
Entries 70
Mean 1.271
Std Dev 0
pull1D
Entries 70
Mean 0.06244
Std Dev 1.099

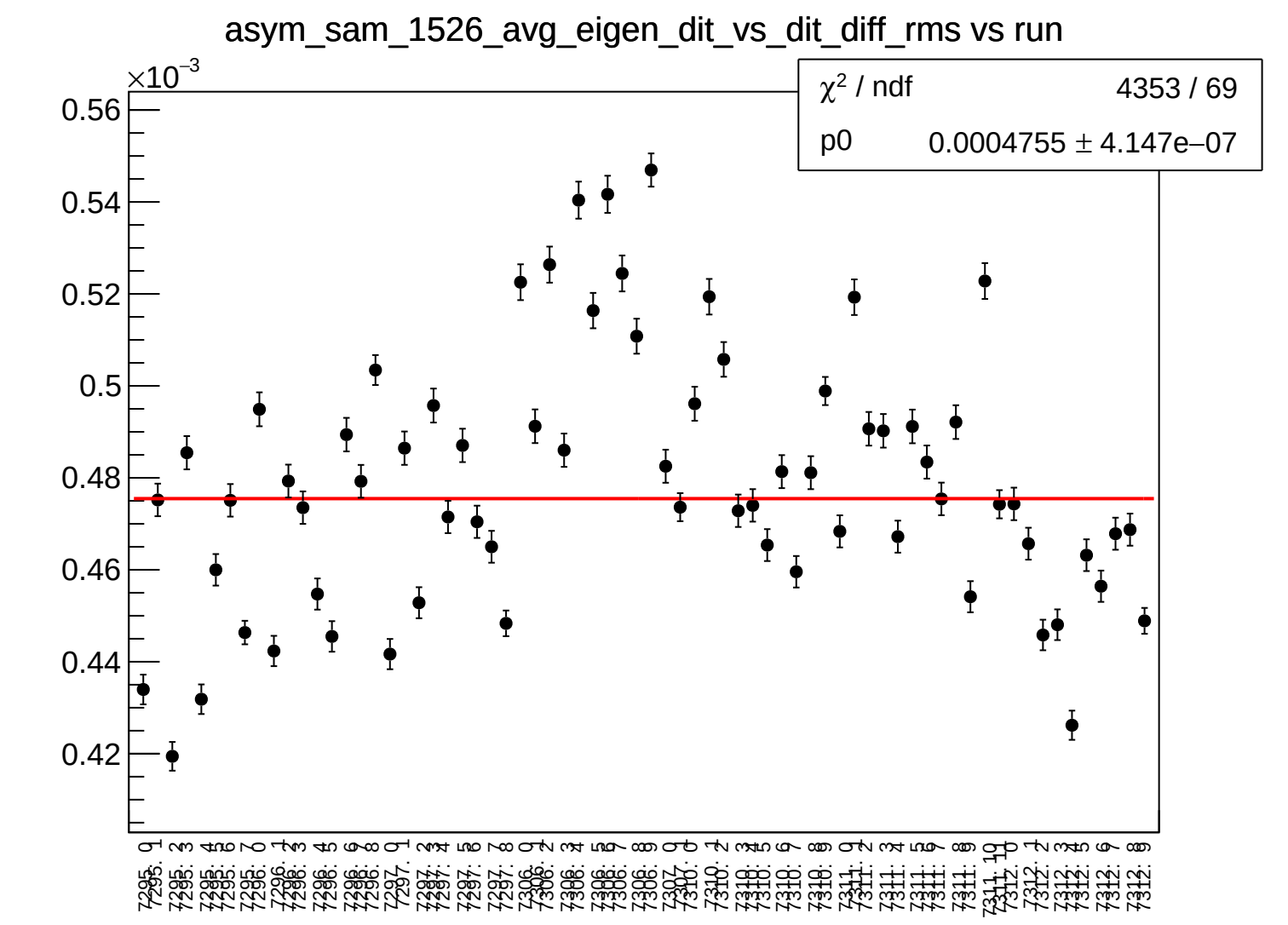

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.948e+05 / 69
p0 34.07 ± 0.03366
140
120
100
80
60
40
20

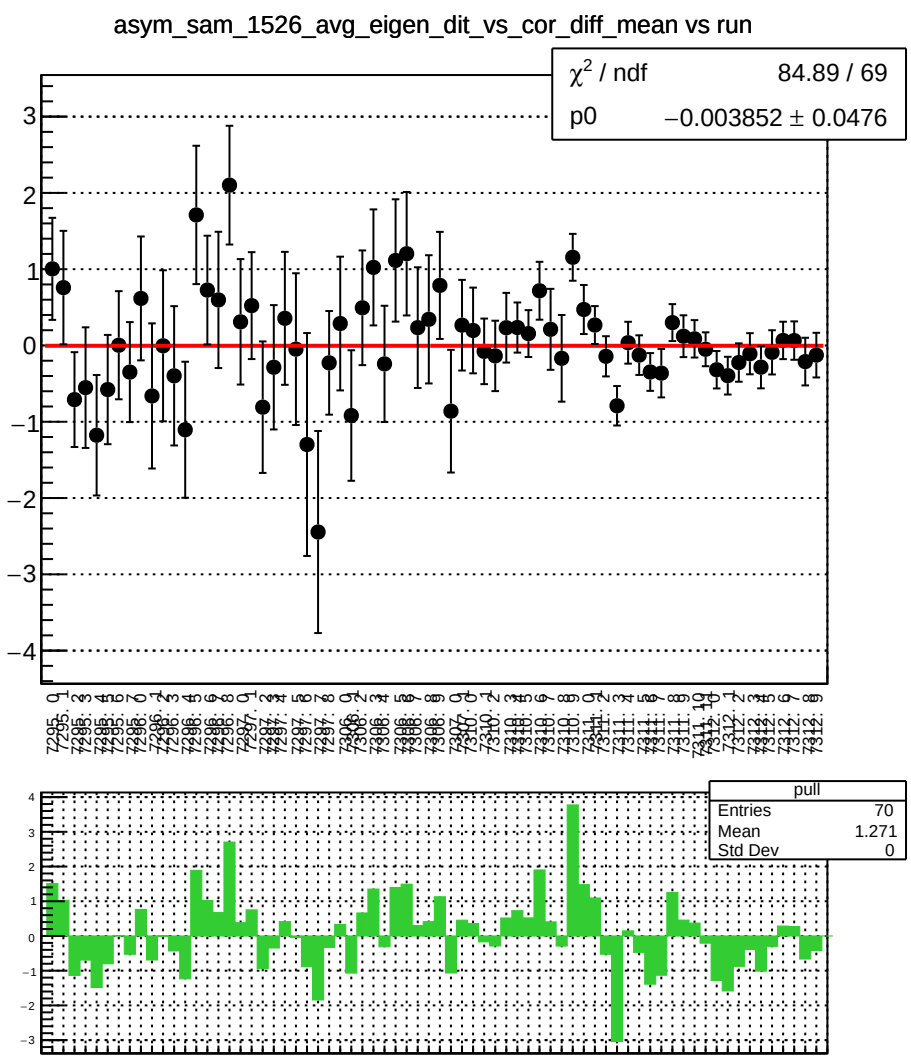

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.89 / 69
p0 −0.003852 ± 0.0476
pull
Entries 70
Mean 1.271
Std Dev 0
pull1D
Entries 70
Mean 0.06244
Std Dev 1.099

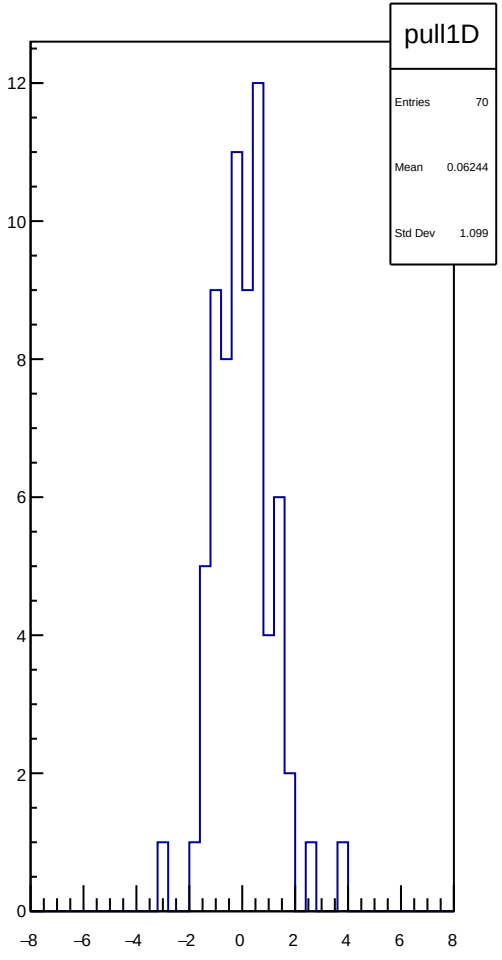

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.948e+05 / 69
p0 34.07 ± 0.03366
140
120
100
80
60
40
20

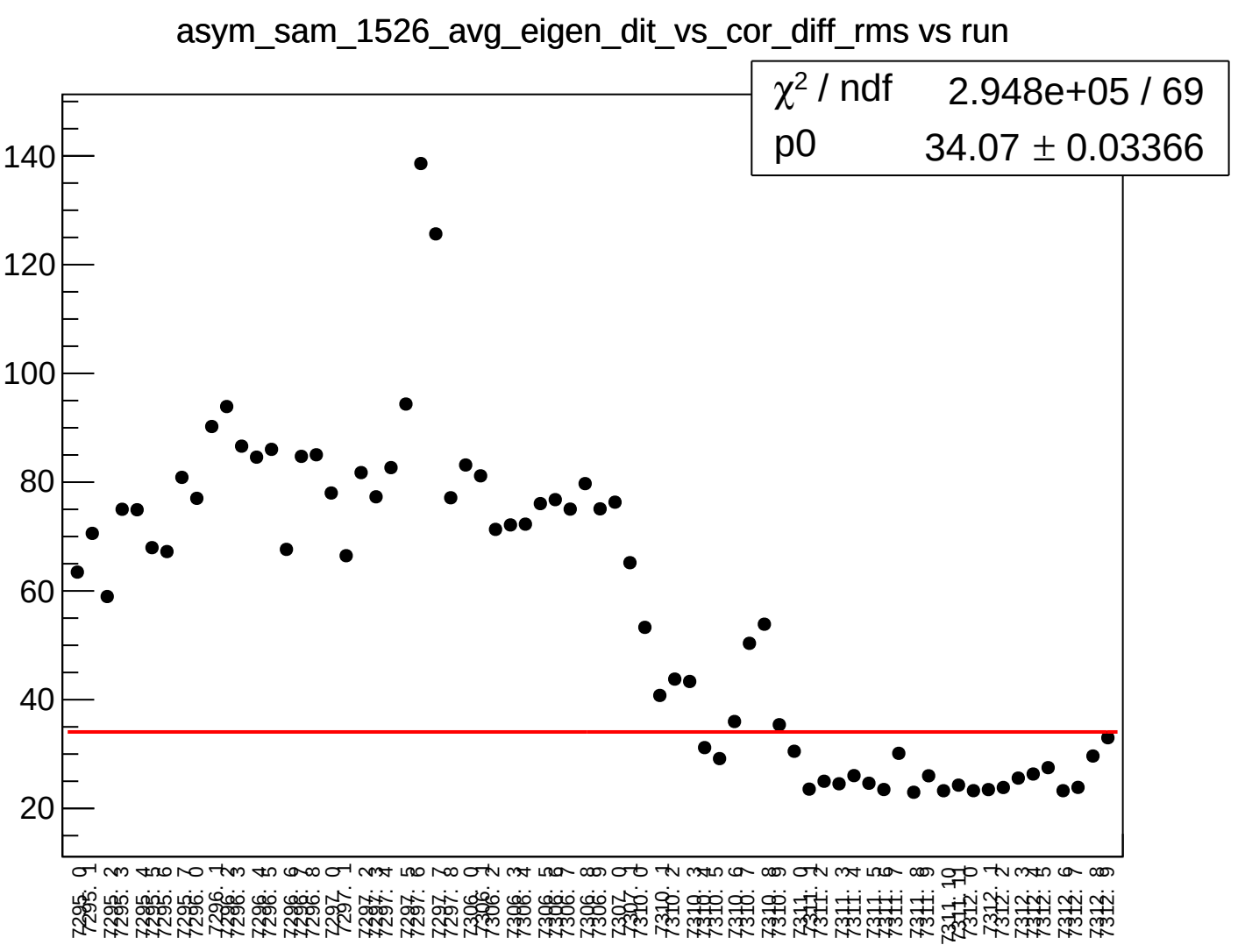

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 55.91 / 69
p0 4.13e−07 ± 5.865e−07
pull
Entries 70
Mean −259.1
Std Dev 0

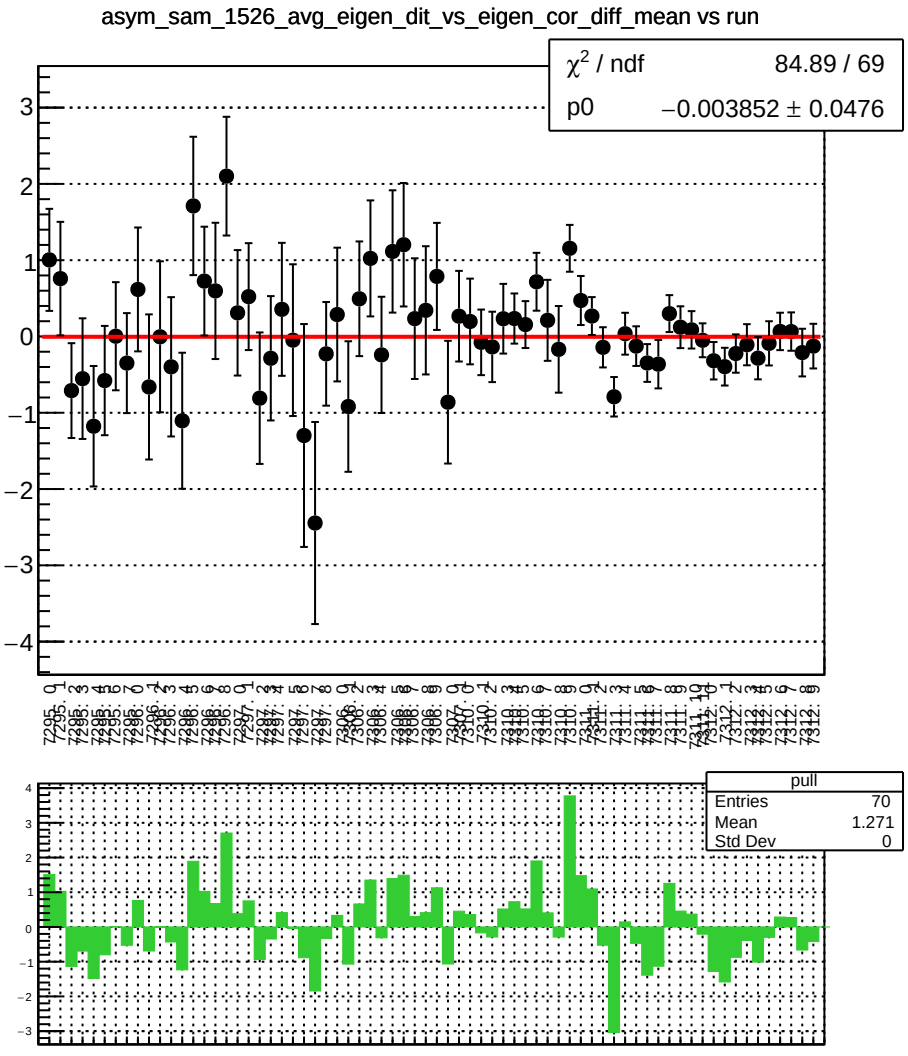

pull1D
Entries 70
Mean −0.007224
Std Dev 0.8936

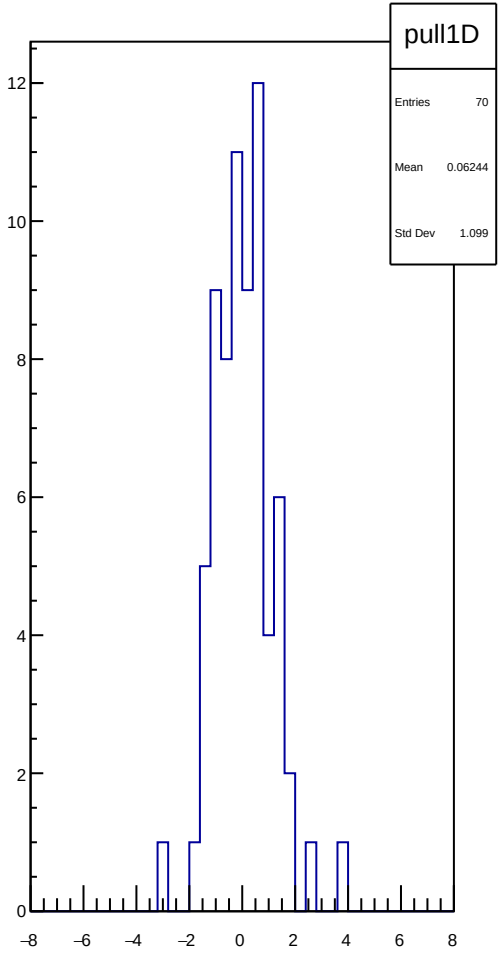

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 4353 / 69
p0 0.0004755 ± 4.147e−07
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42

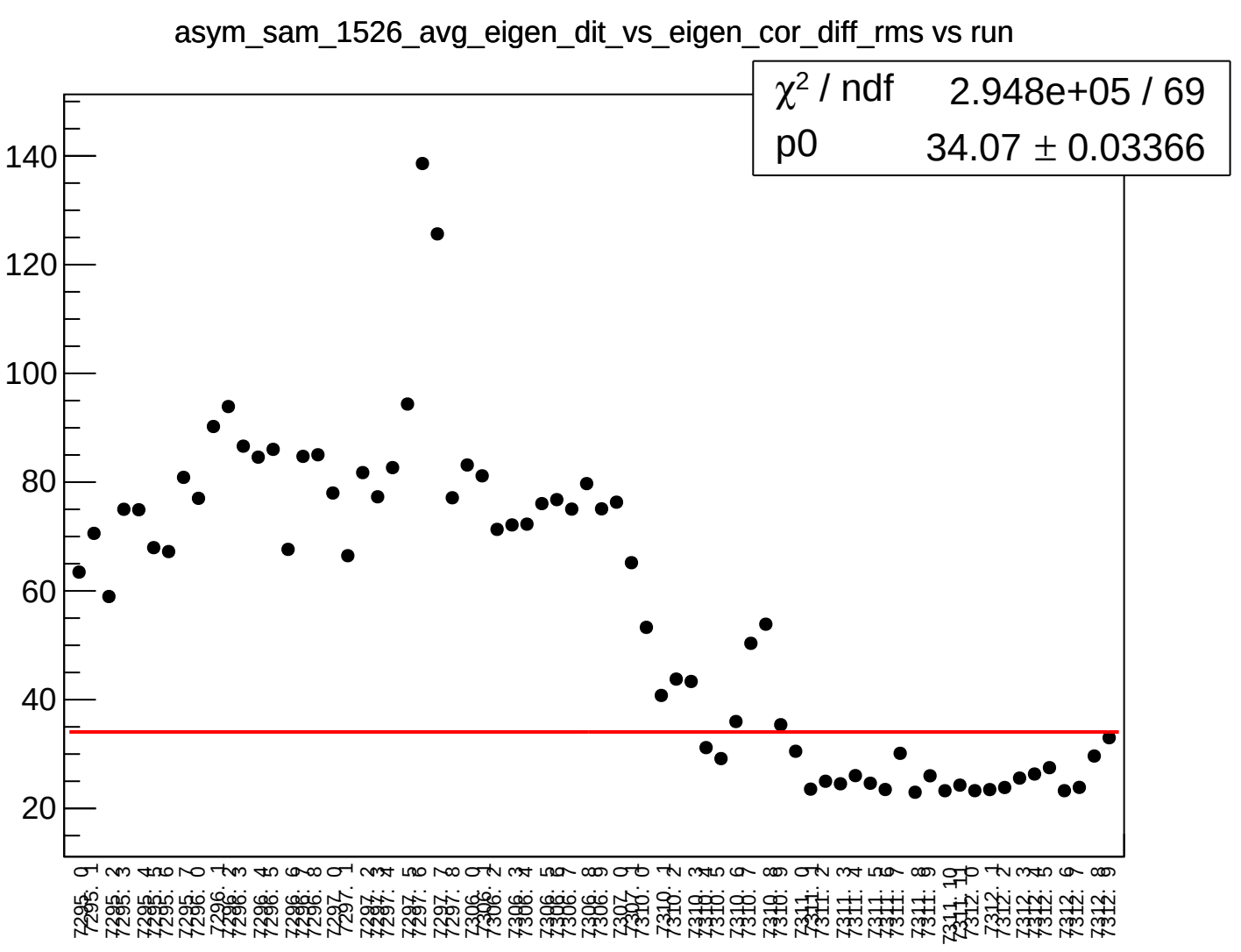

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.89 / 69
p0 −0.003852 ± 0.0476
pull
Entries 70
Mean 1.271
Std Dev 0

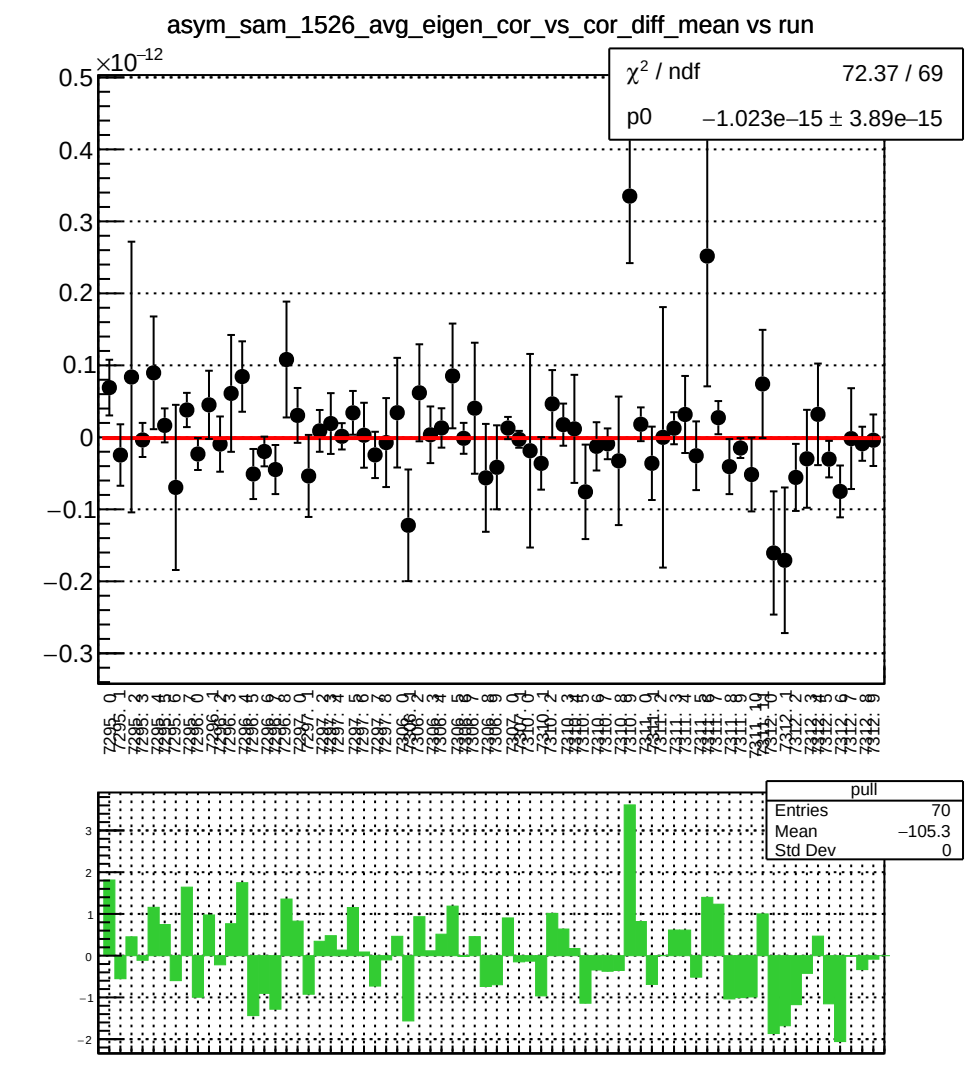

pull1D
Entries 70
Mean 0.06244
Std Dev 1.099

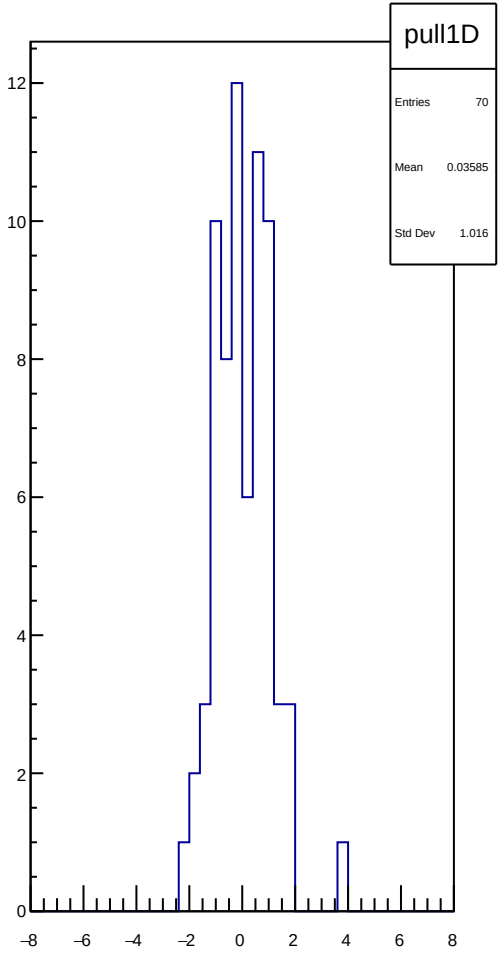

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.948e+05 / 69
p0 34.07 ± 0.03366
140
120
100
80
60
40
20

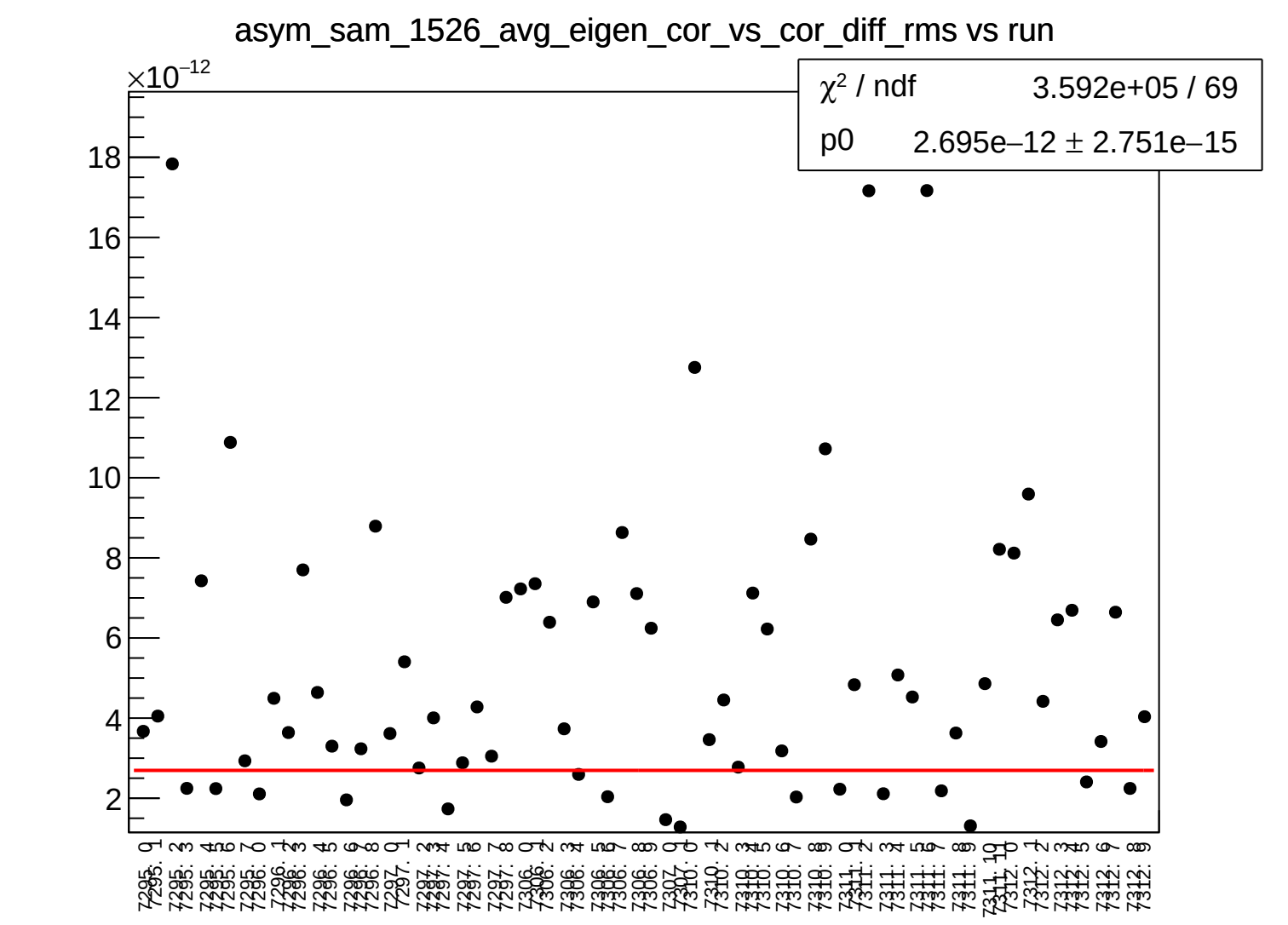

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.89 / 69
p0 −0.003852 ± 0.0476
pull
Entries 70
Mean 1.271
Std Dev 0

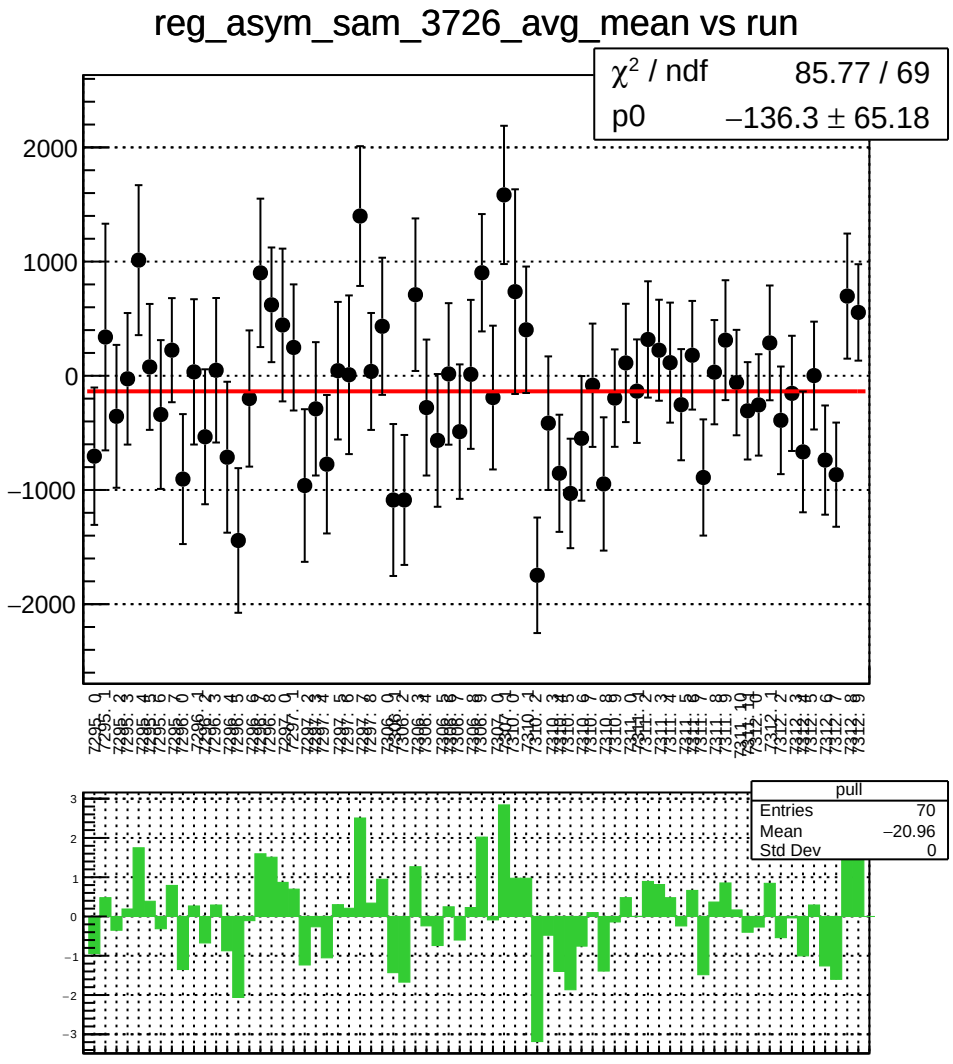

pull1D
Entries 70
Mean 0.06244
Std Dev 1.099

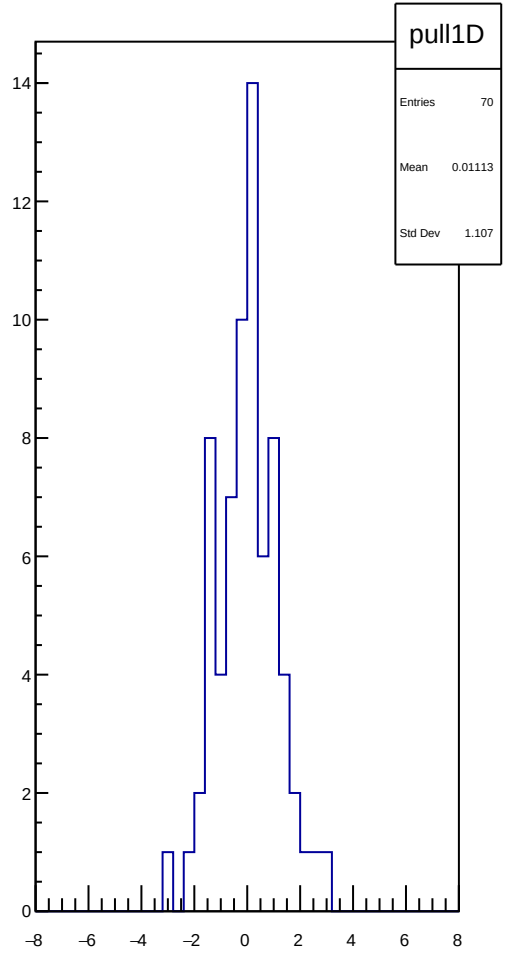

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.948e+05 / 69
p0 34.07 ± 0.03366
140
120
100
80
60
40
20

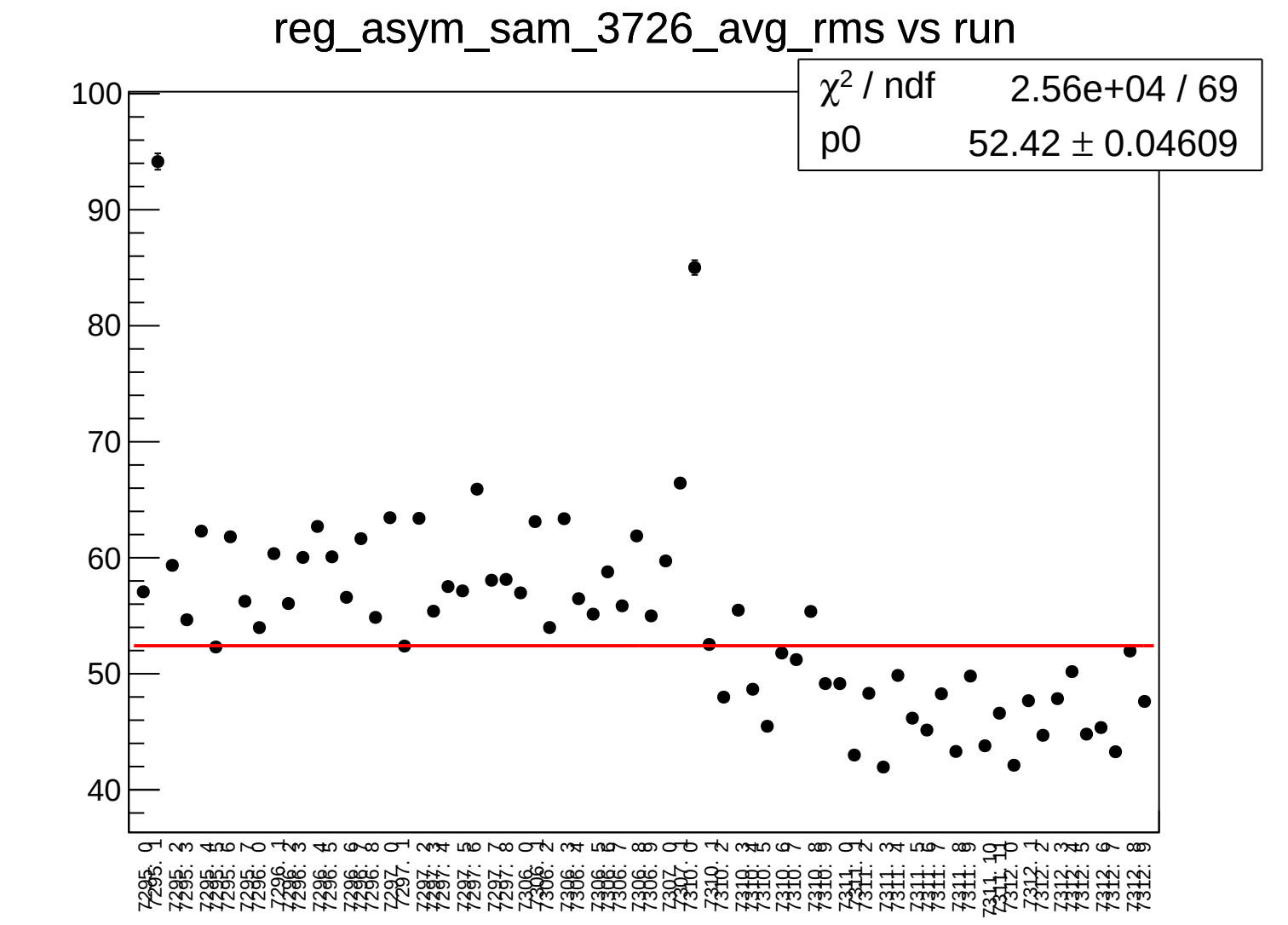

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.37 / 69
p0 −1.023e−15 ± 3.89e−15
pull
Entries 70
Mean −105.3
Std Dev 0

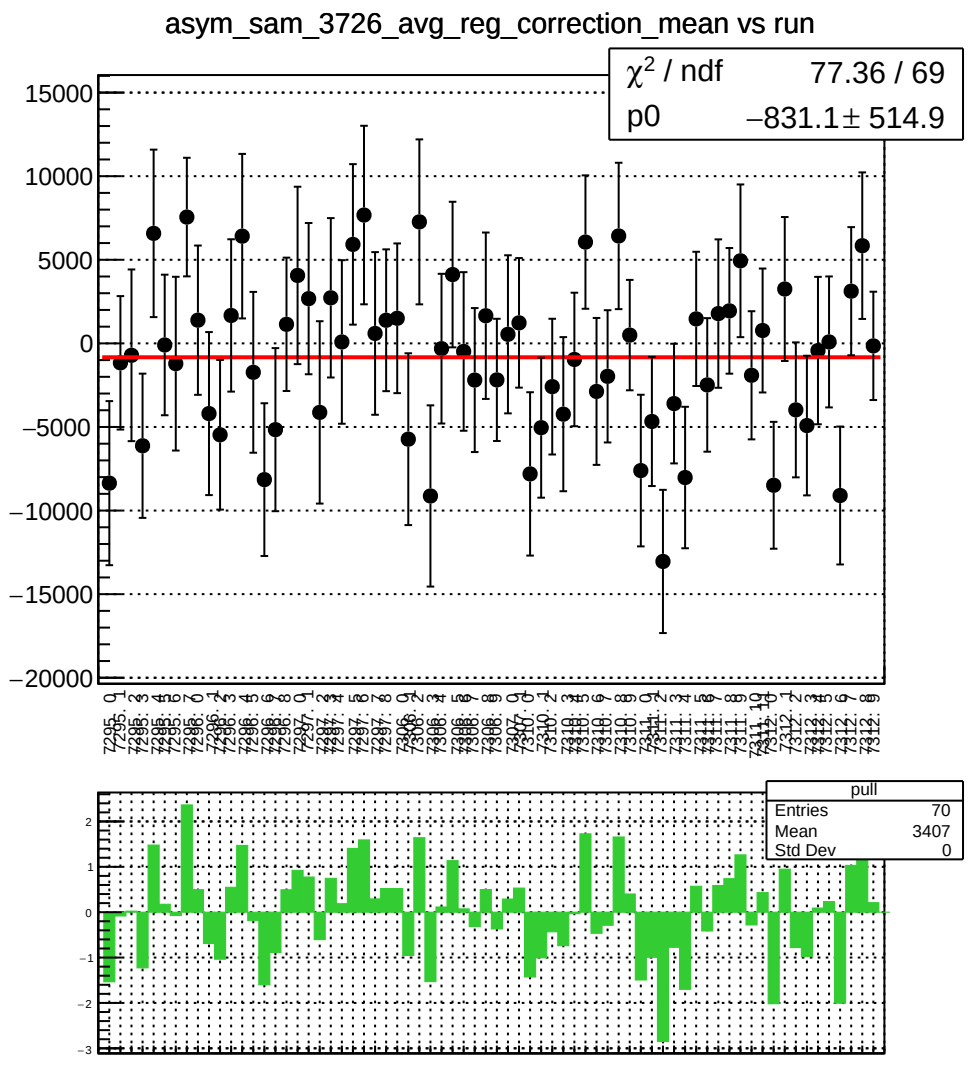

pull1D
Entries 70
Mean 0.03585
Std Dev 1.016

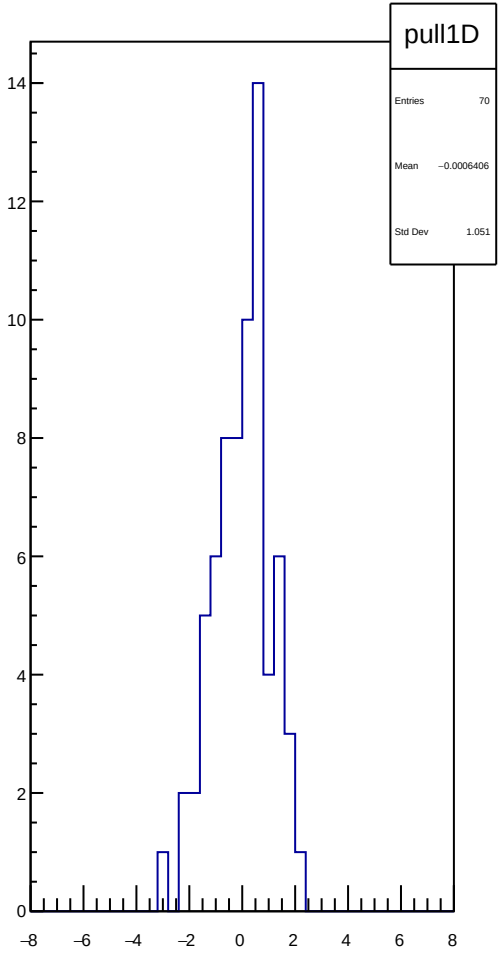

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.592e+05 / 69
p0 2.695e−12 ± 2.751e−15
18
16
14
12
10
8
6
4
2

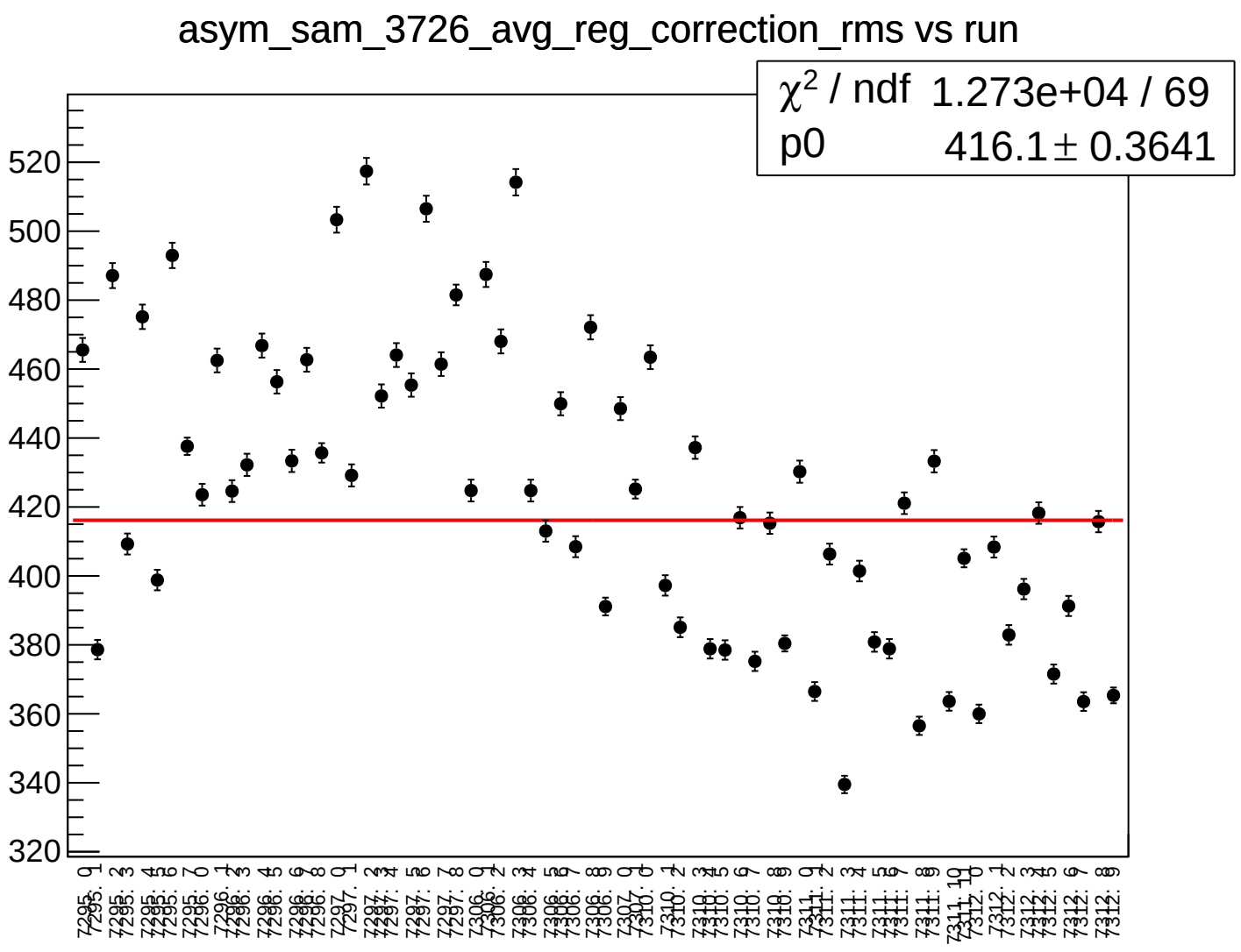

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 85.77 / 69
p0 −136.3 ± 65.18
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −20.96
Std Dev 0
3
2
1
0
−1
−2
−3

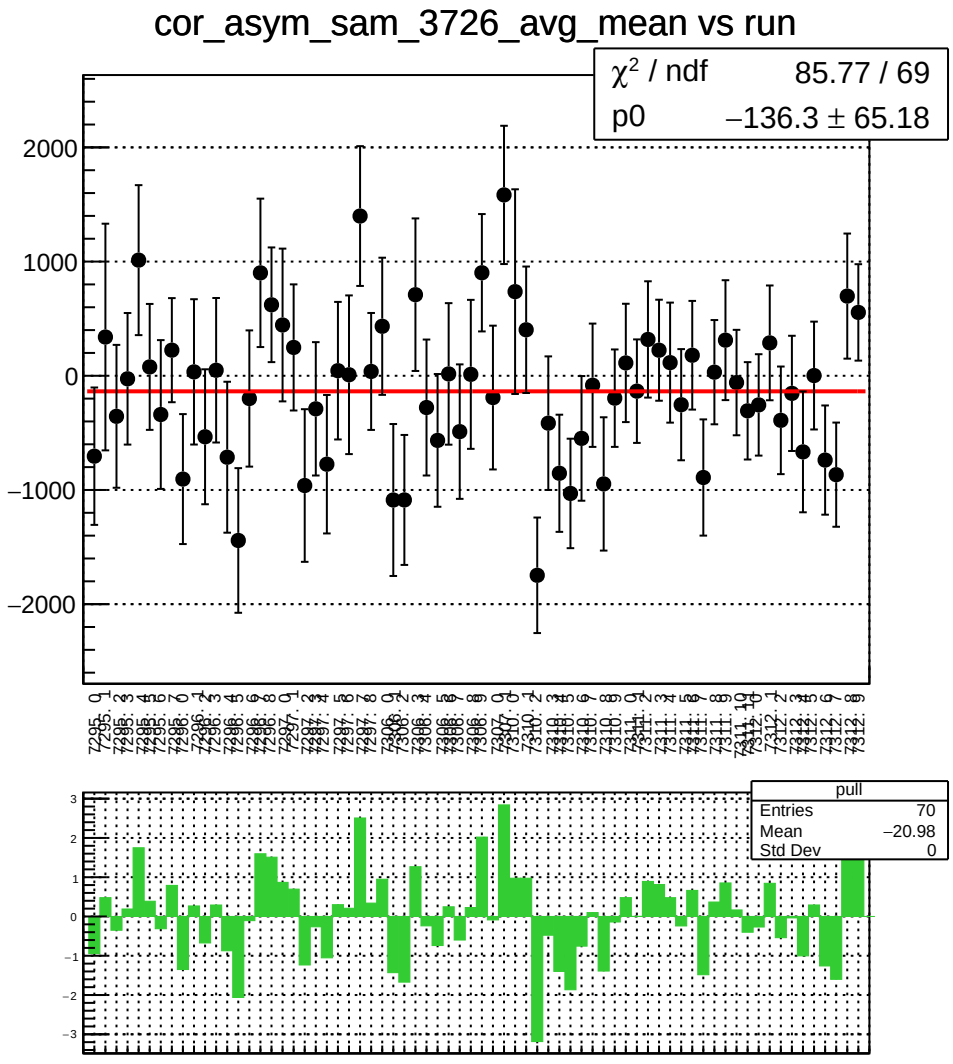

pull1D
Entries 70
Mean 0.01113
Std Dev 1.107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

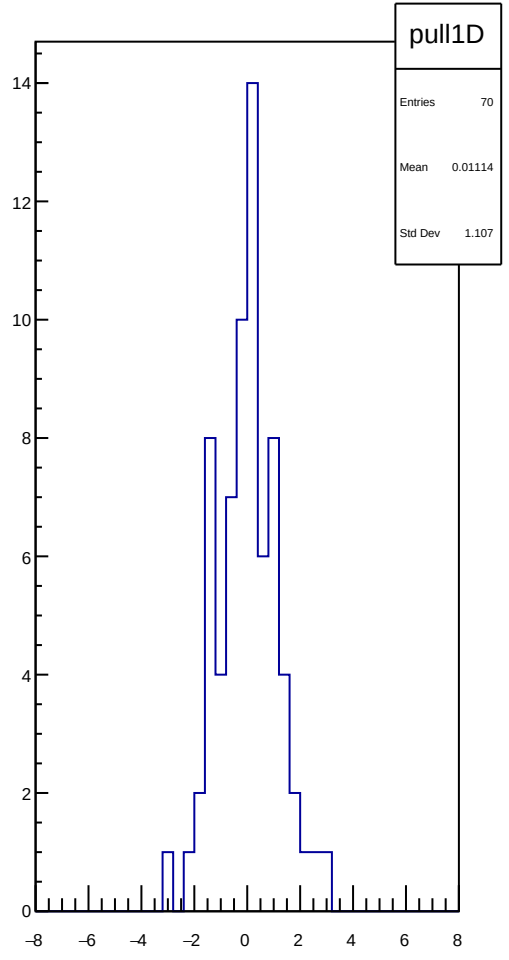

reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.56e+04 / 69
p0 52.42 ± 0.04609
100
90
80
70
60
50
40

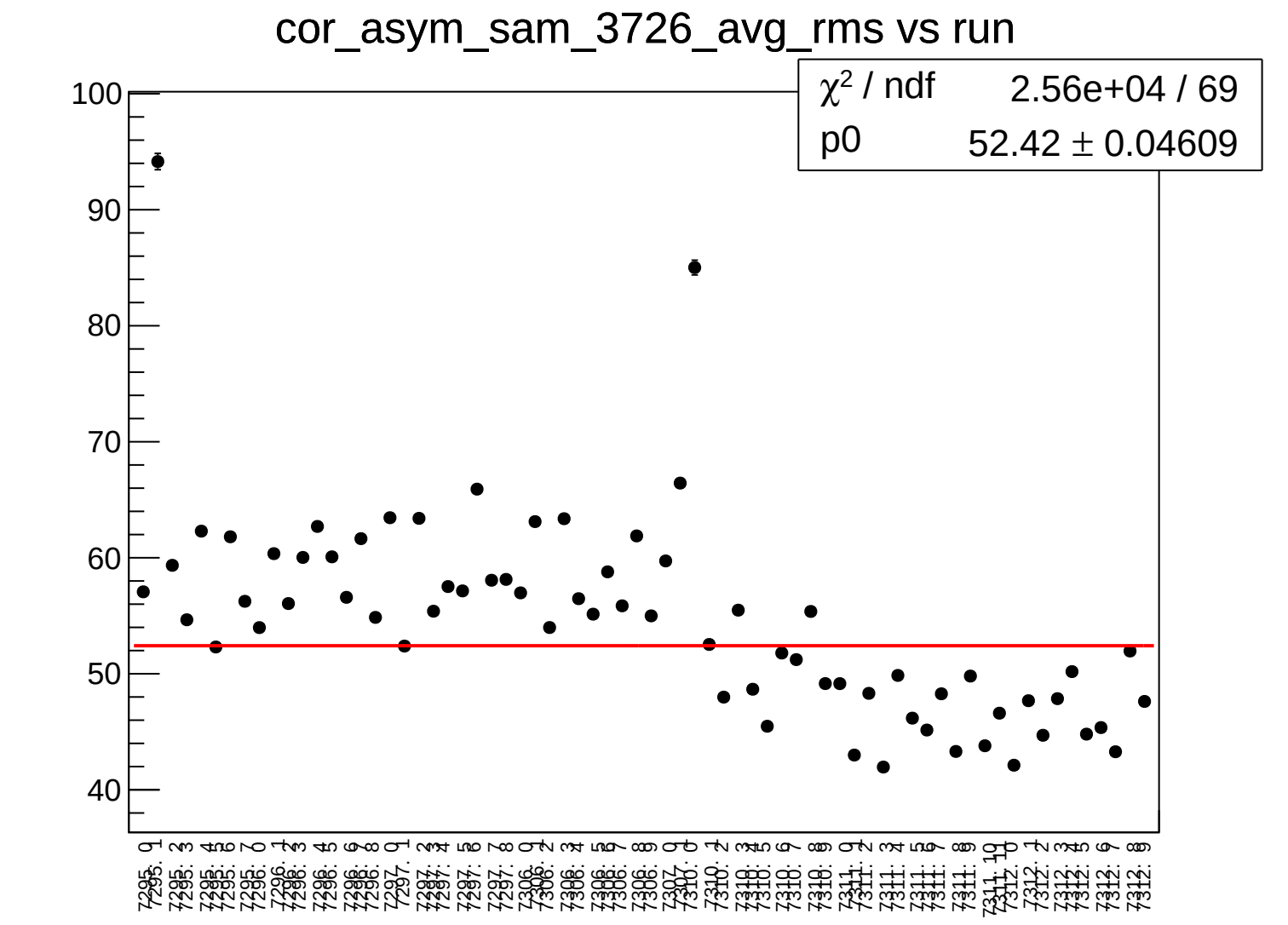

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 77.36 / 69
p0 −831.1 ± 514.9
pull
Entries 70
Mean 3407
Std Dev 0

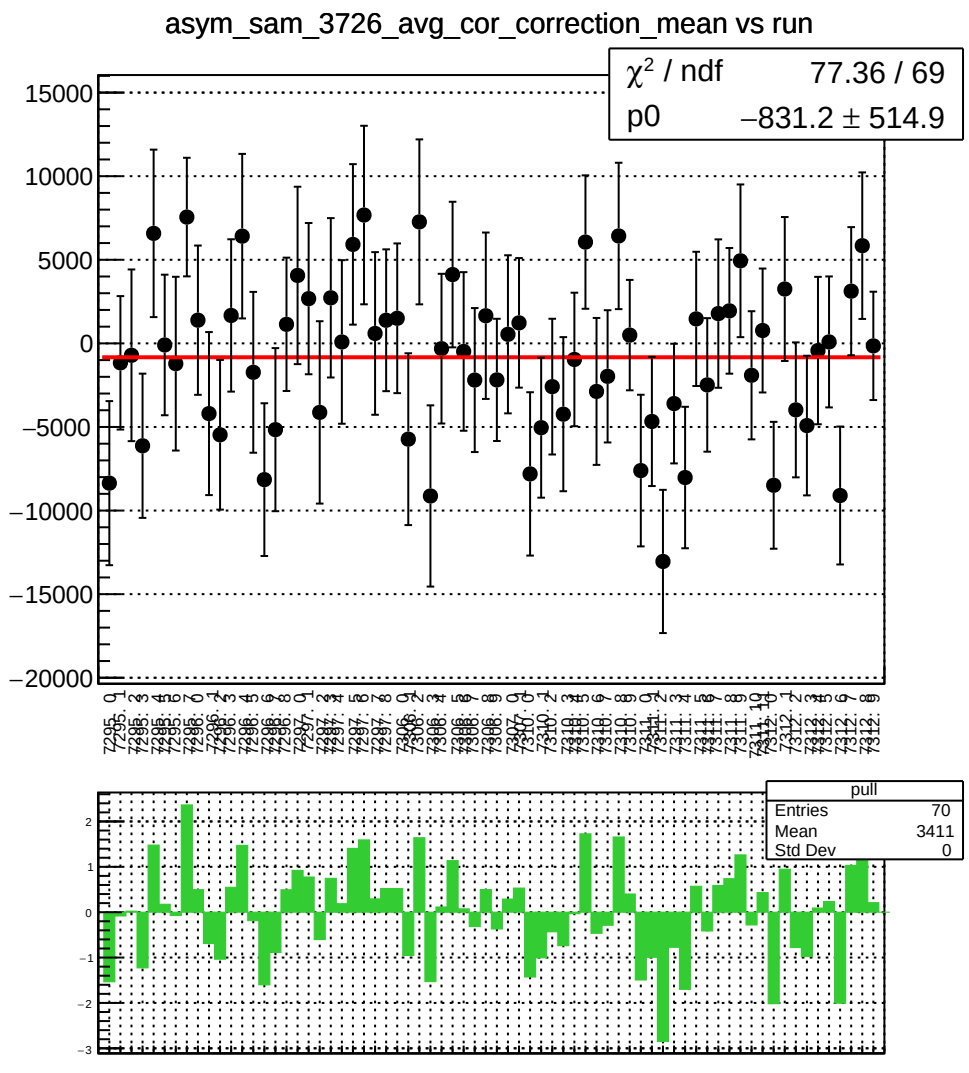

pull1D
Entries 70
Mean −0.0006406
Std Dev 1.051

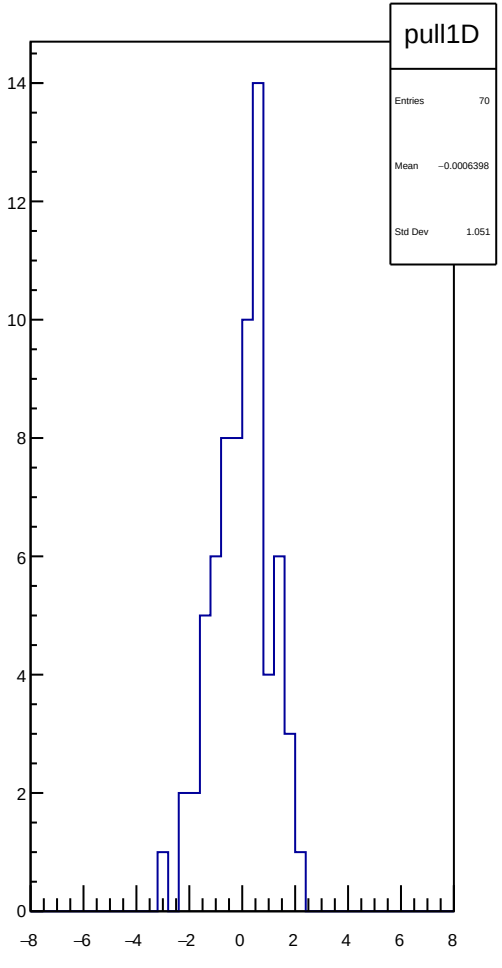

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 1.273e+04 / 69
p0 416.1 ± 0.3641
520
500
480
460
440
420
400
380
360
340
320

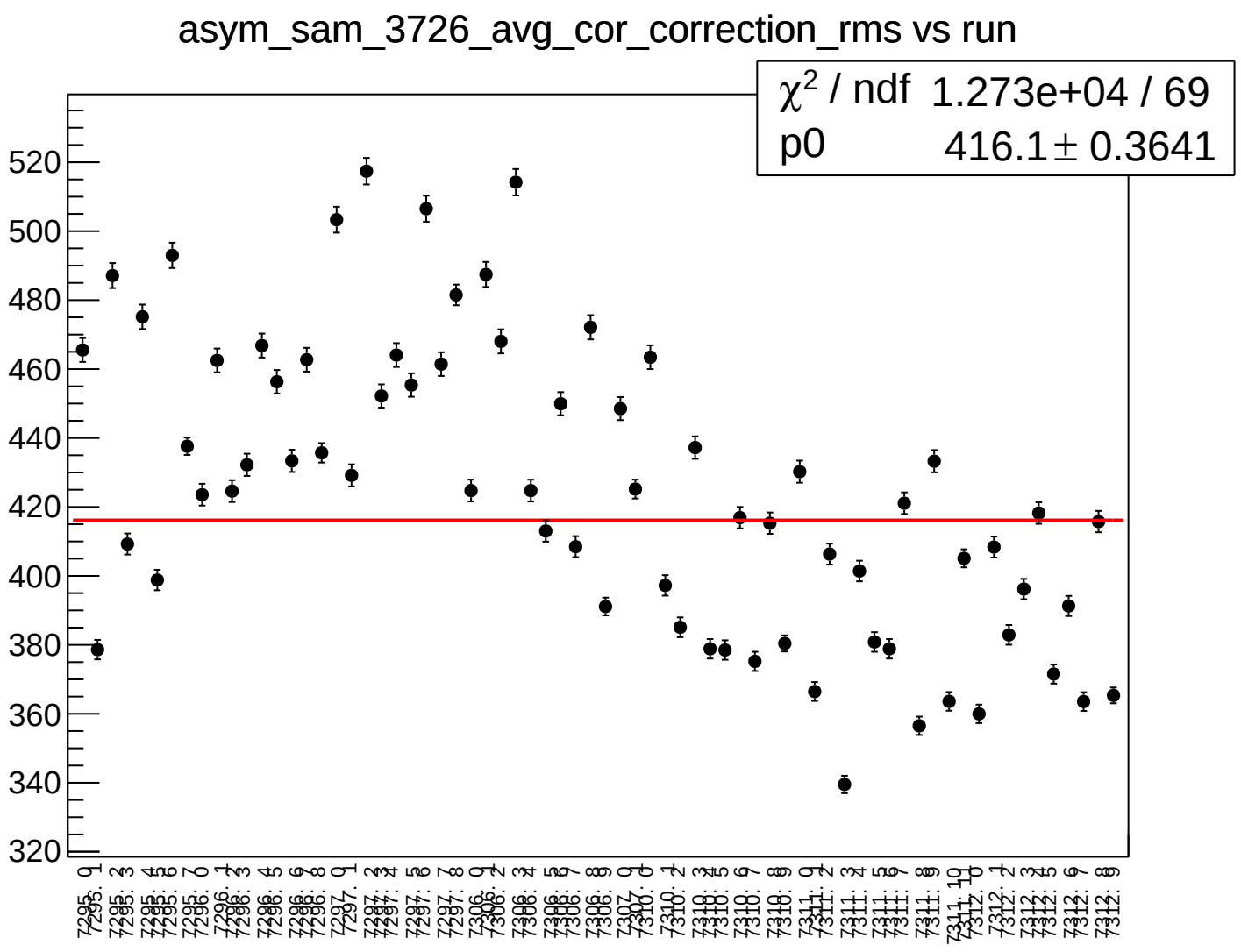

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 85.77 / 69
p0 −136.3 ± 65.18
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −20.98
Std Dev 0
3
2
1
0
−1
−2
−3

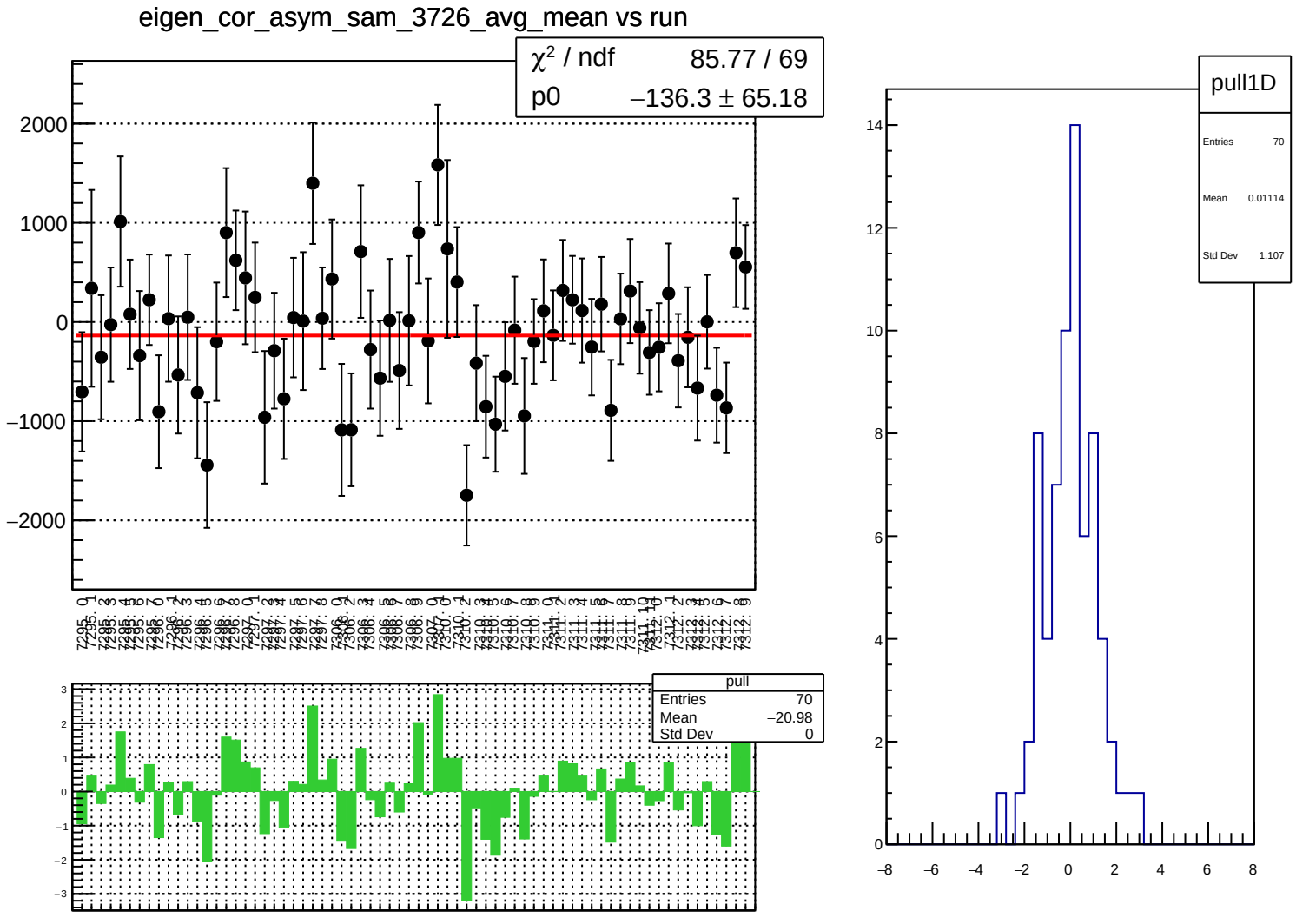

pull1D
Entries 70
Mean 0.01114
Std Dev 1.107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

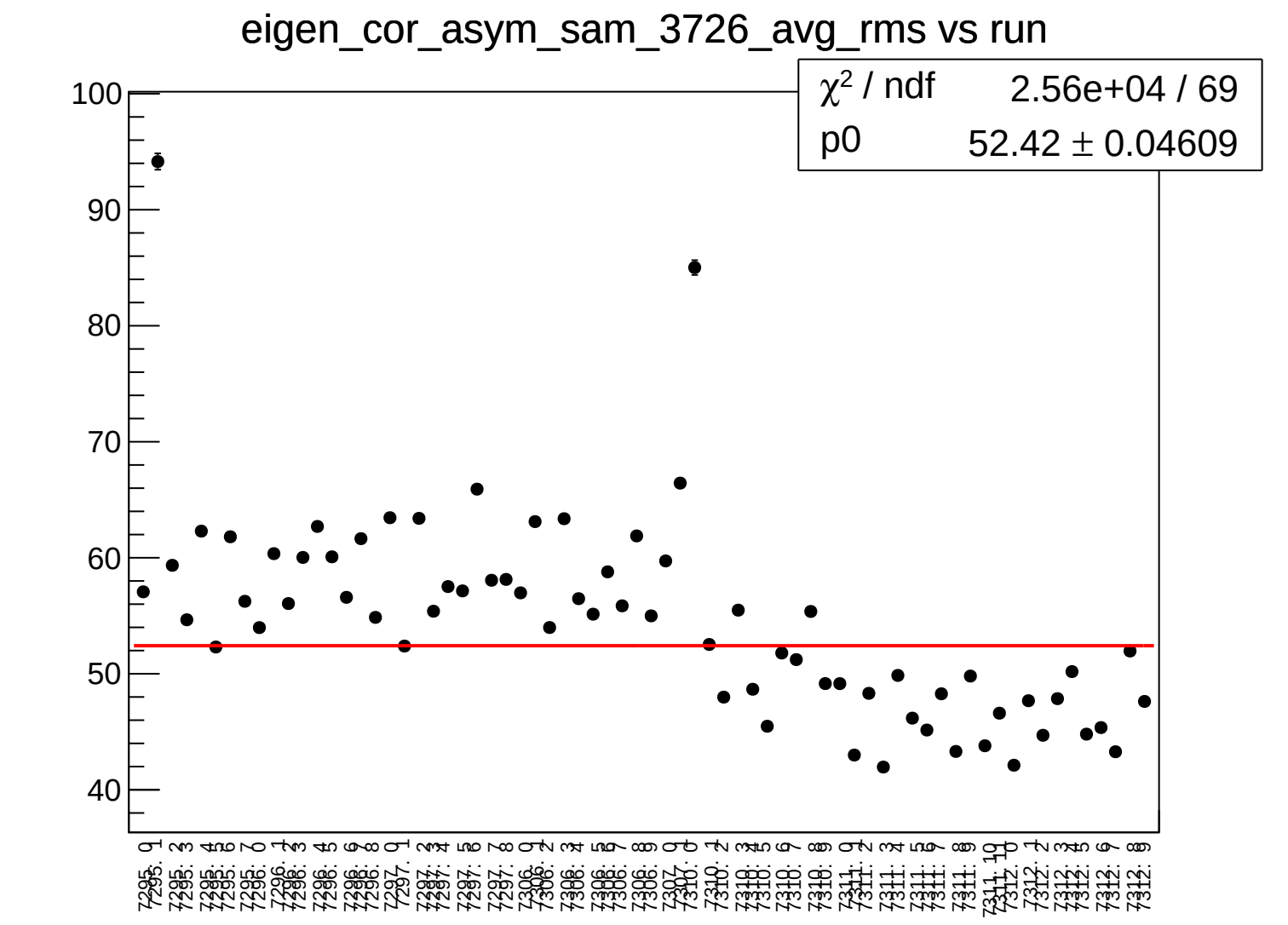

cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.56e+04 / 69
p0 52.42 ± 0.04609
100
90
80
70
60
50
40

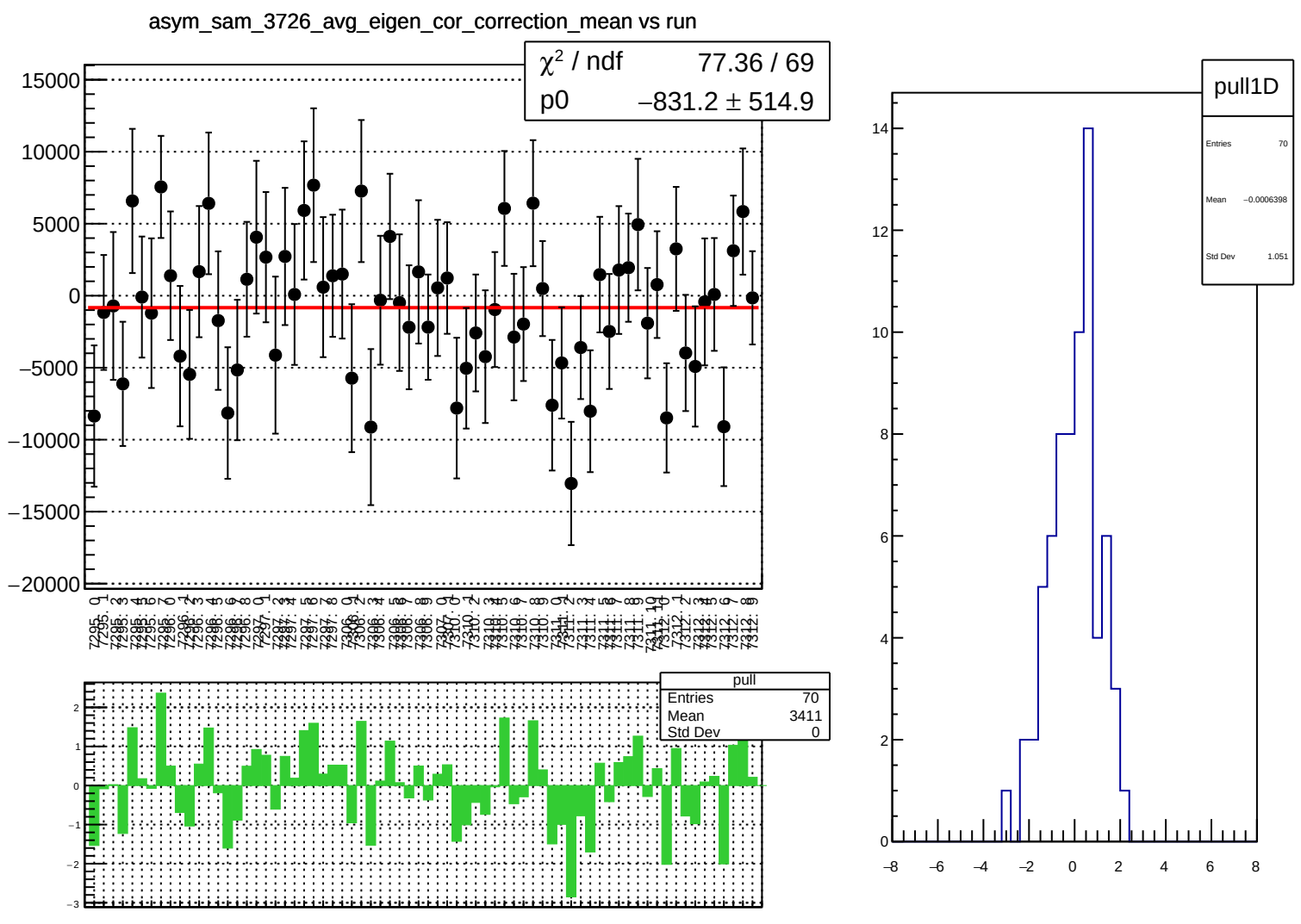

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 77.36 / 69
p0 −831.2 ± 514.9
pull
Entries 70
Mean 3411
Std Dev 0

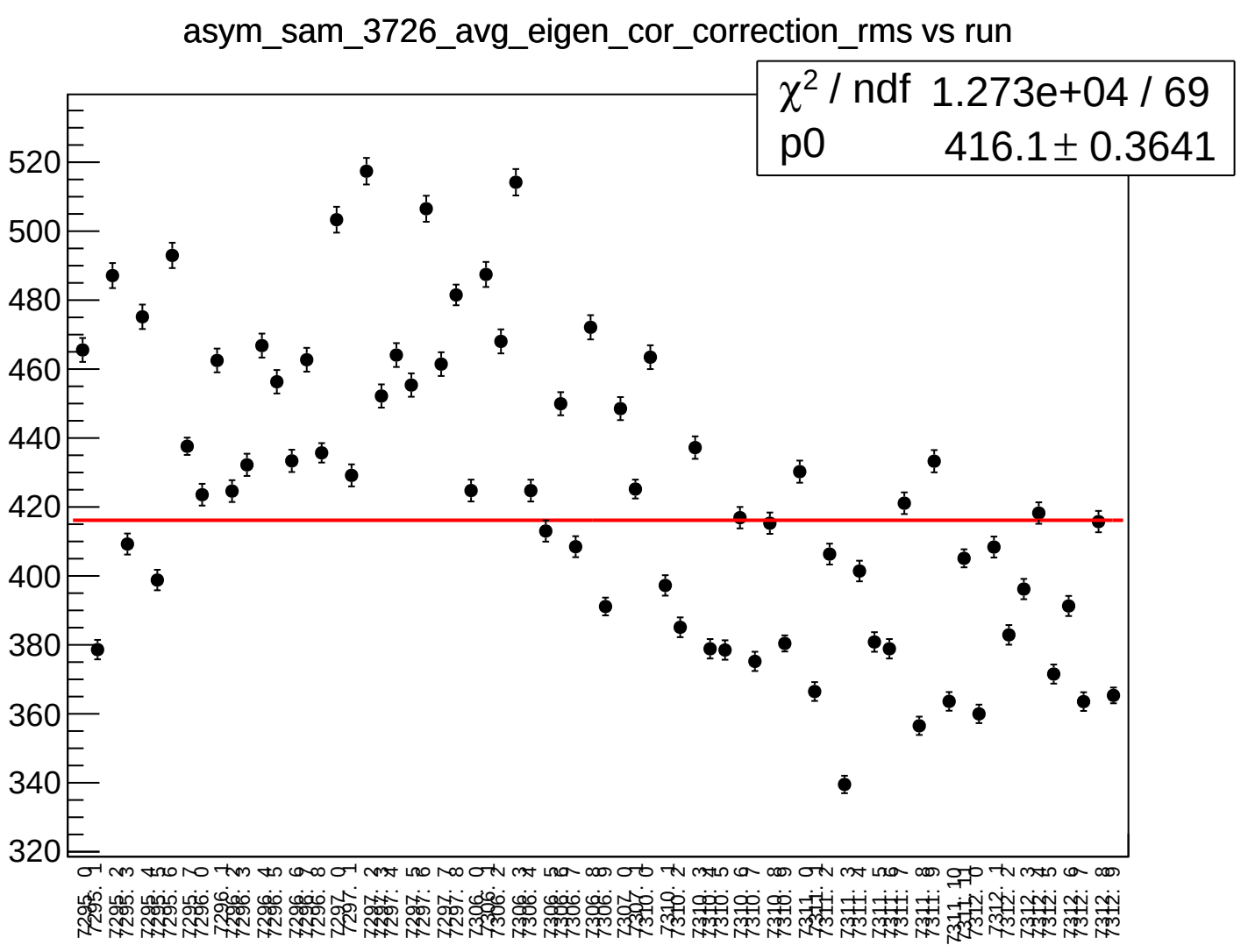

pull1D
Entries 70
Mean −0.0006398
Std Dev 1.051

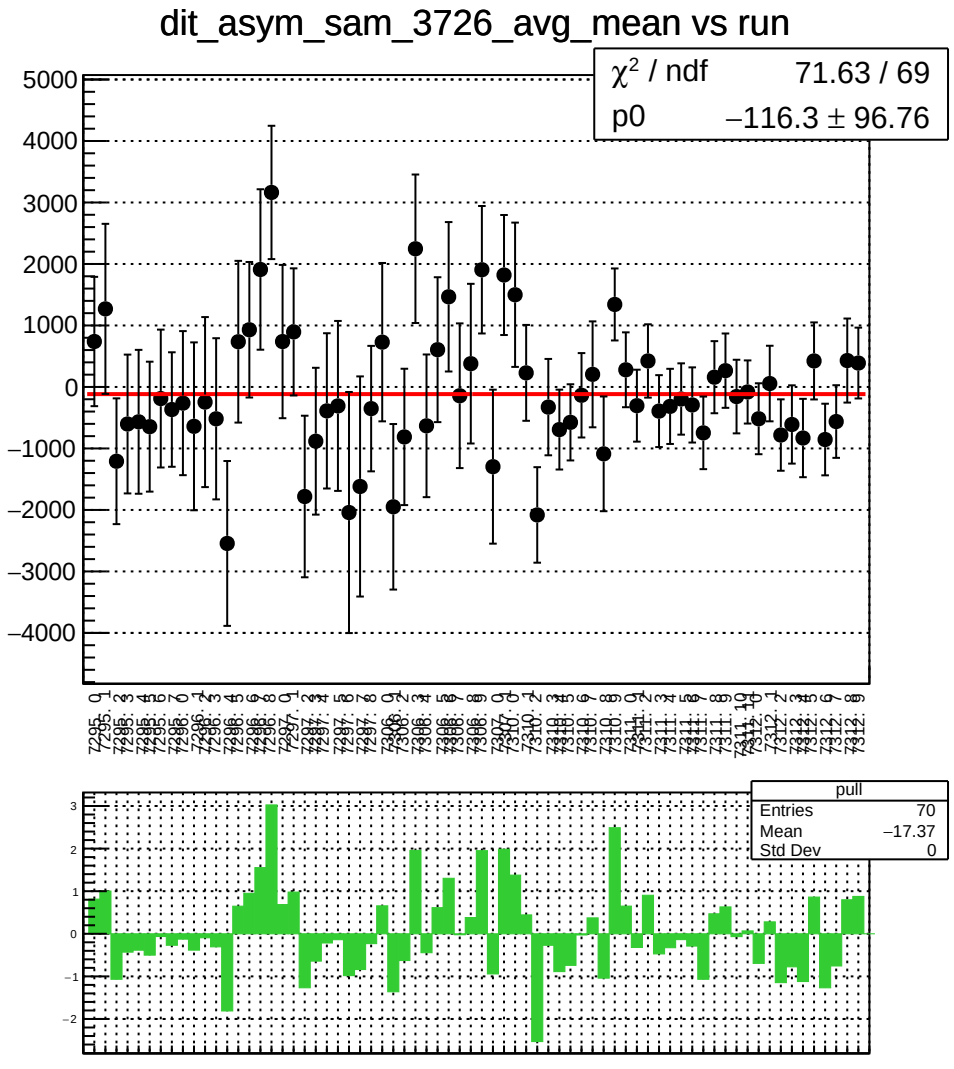

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 1.273e+04 / 69
p0 416.1 ± 0.3641
520
500
480
460
440
420
400
380
360
340
320

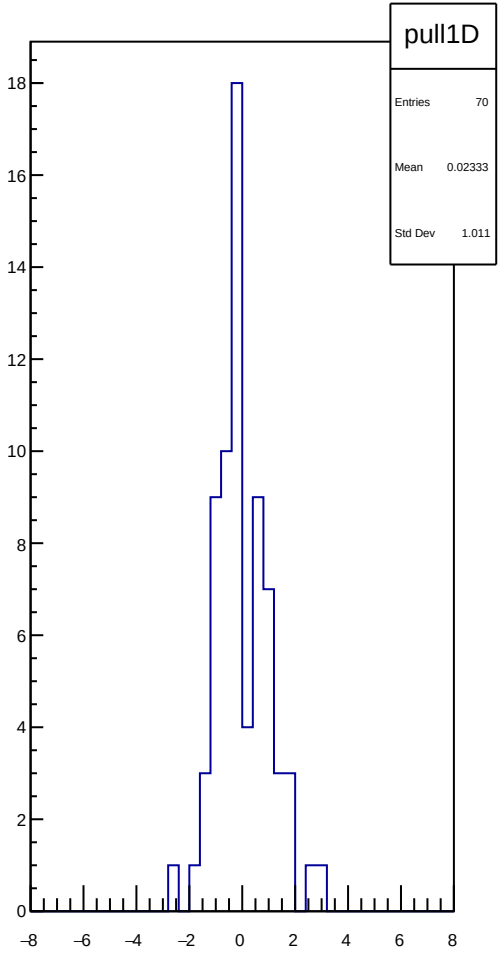

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 85.77 / 69
p0 −136.3 ± 65.18
2000
1000
0
−1000
−2000
pull
Entries 70
Mean −20.98
Std Dev 0
pull1D
Entries 70
Mean 0.01114
Std Dev 1.107

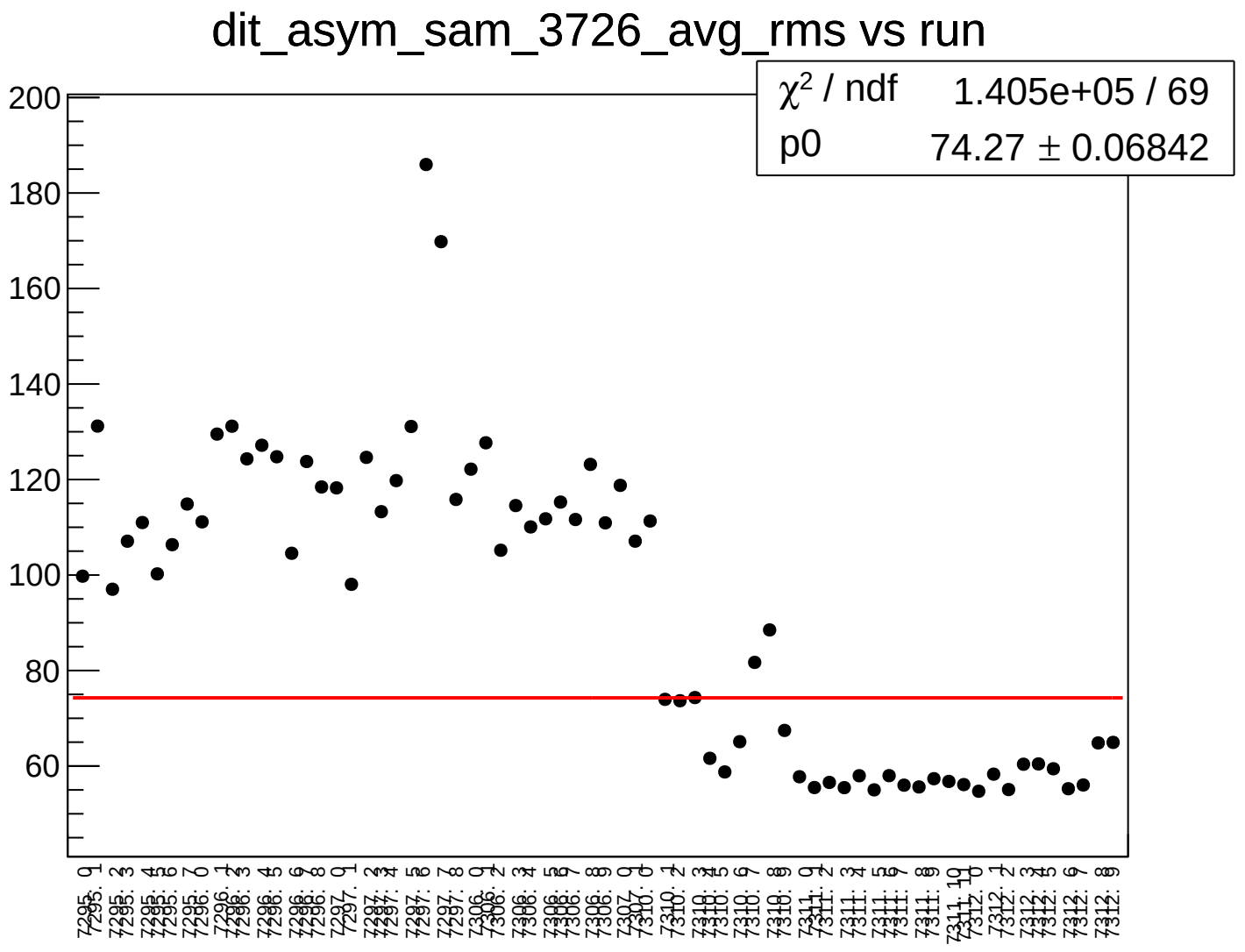

eigen_cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.56e+04 / 69
p0 52.42 ± 0.04609
100
90
80
70
60
50
40

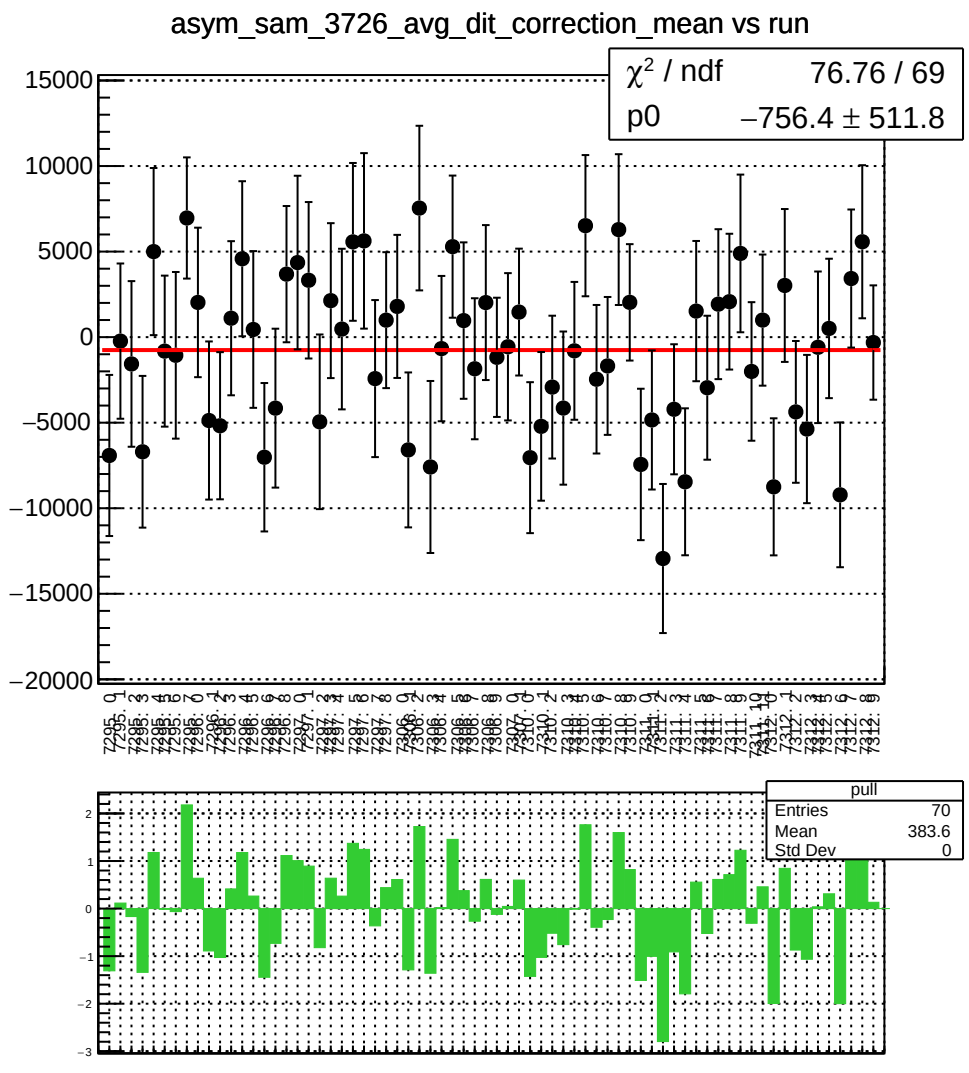

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.36 / 69
p0 −831.2 ± 514.9
pull
Entries 70
Mean 3411
Std Dev 0
pull1D
Entries 70
Mean −0.0006398
Std Dev 1.051

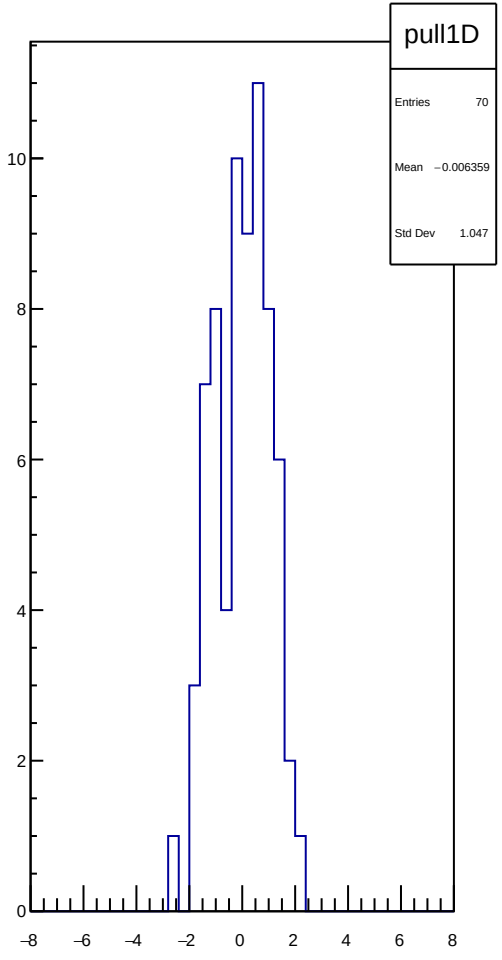

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.273e+04 / 69
p0 416.1 ± 0.3641
520
500
480
460
440
420
400
380
360
340
320

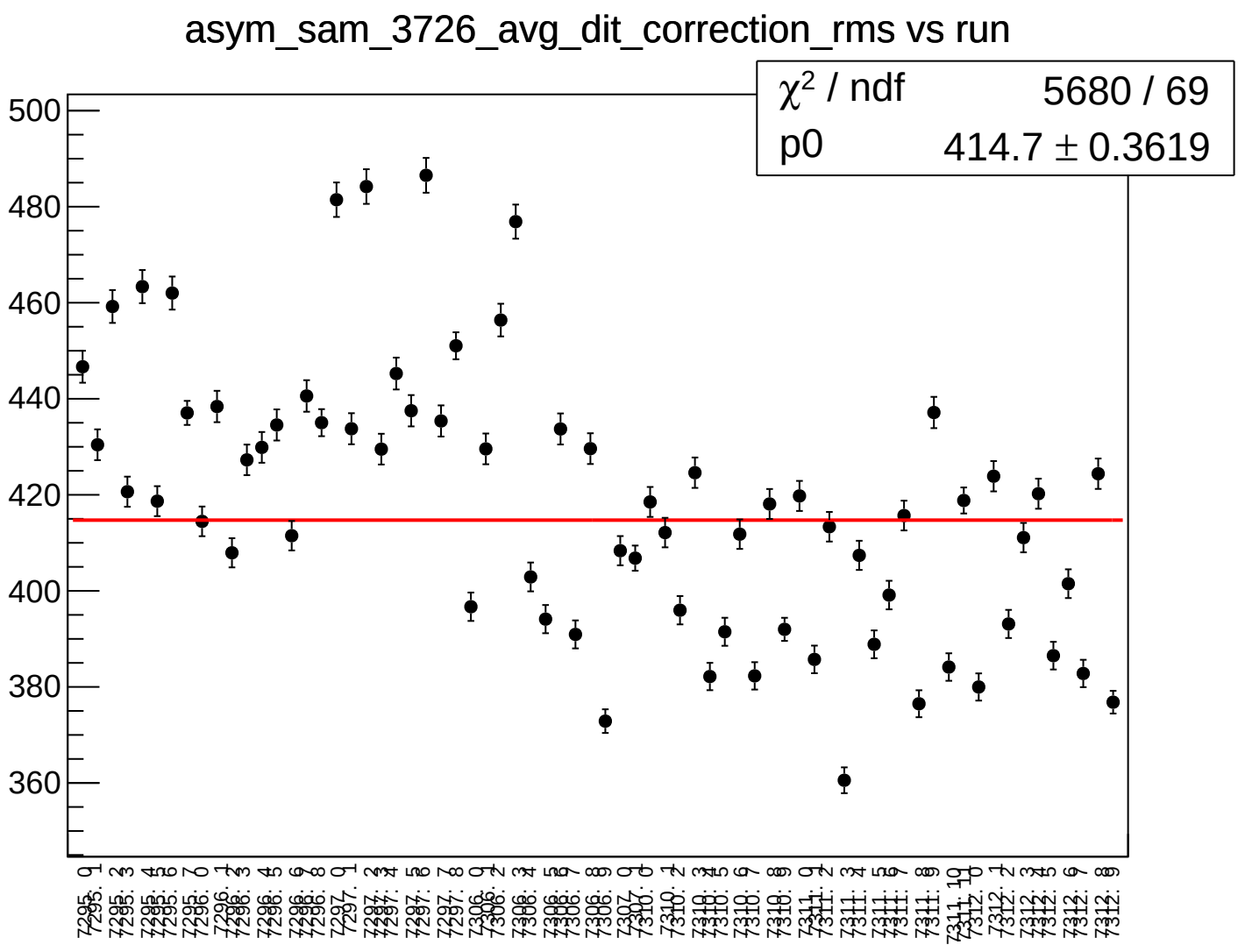

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 71.63 / 69
p0 −116.3 ± 96.76
pull
Entries 70
Mean −17.37
Std Dev 0

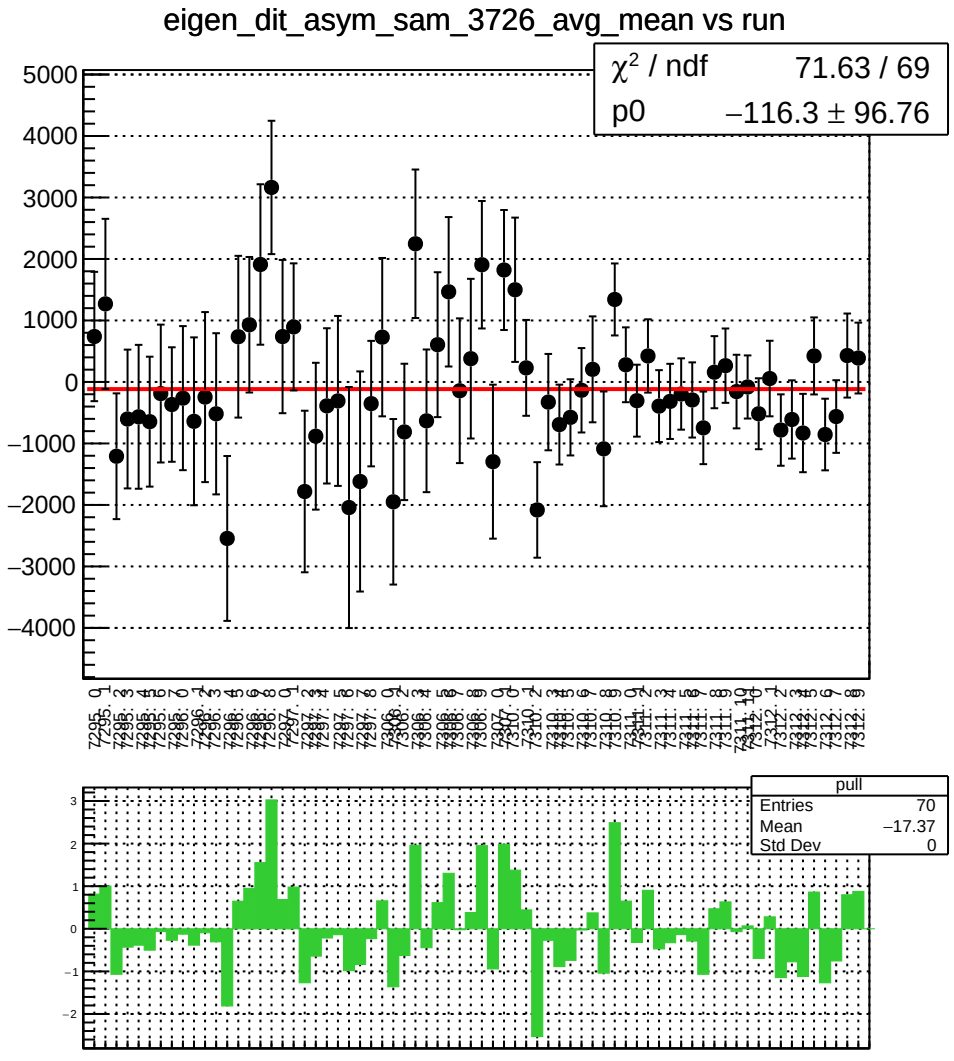

pull1D
Entries 70
Mean 0.02333
Std Dev 1.011

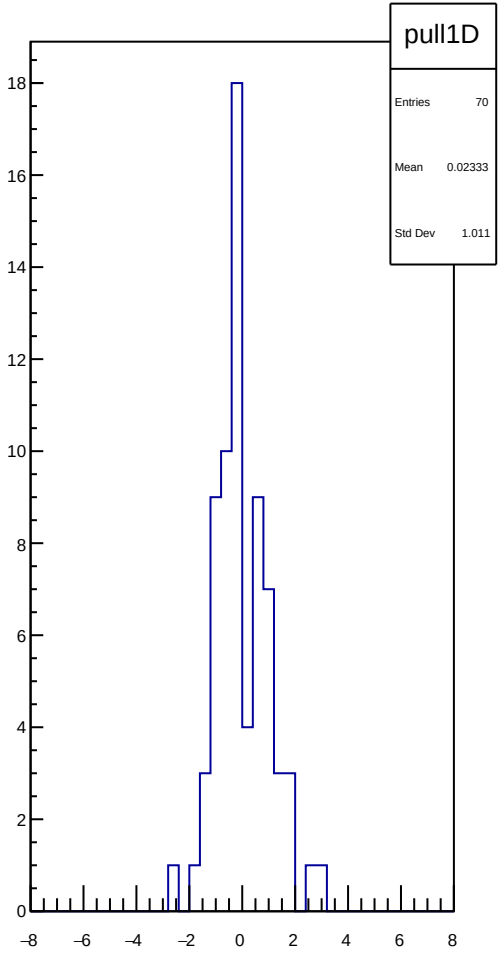

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.405e+05 / 69
p0 74.27 ± 0.06842
200
180
160
140
120
100
80
60

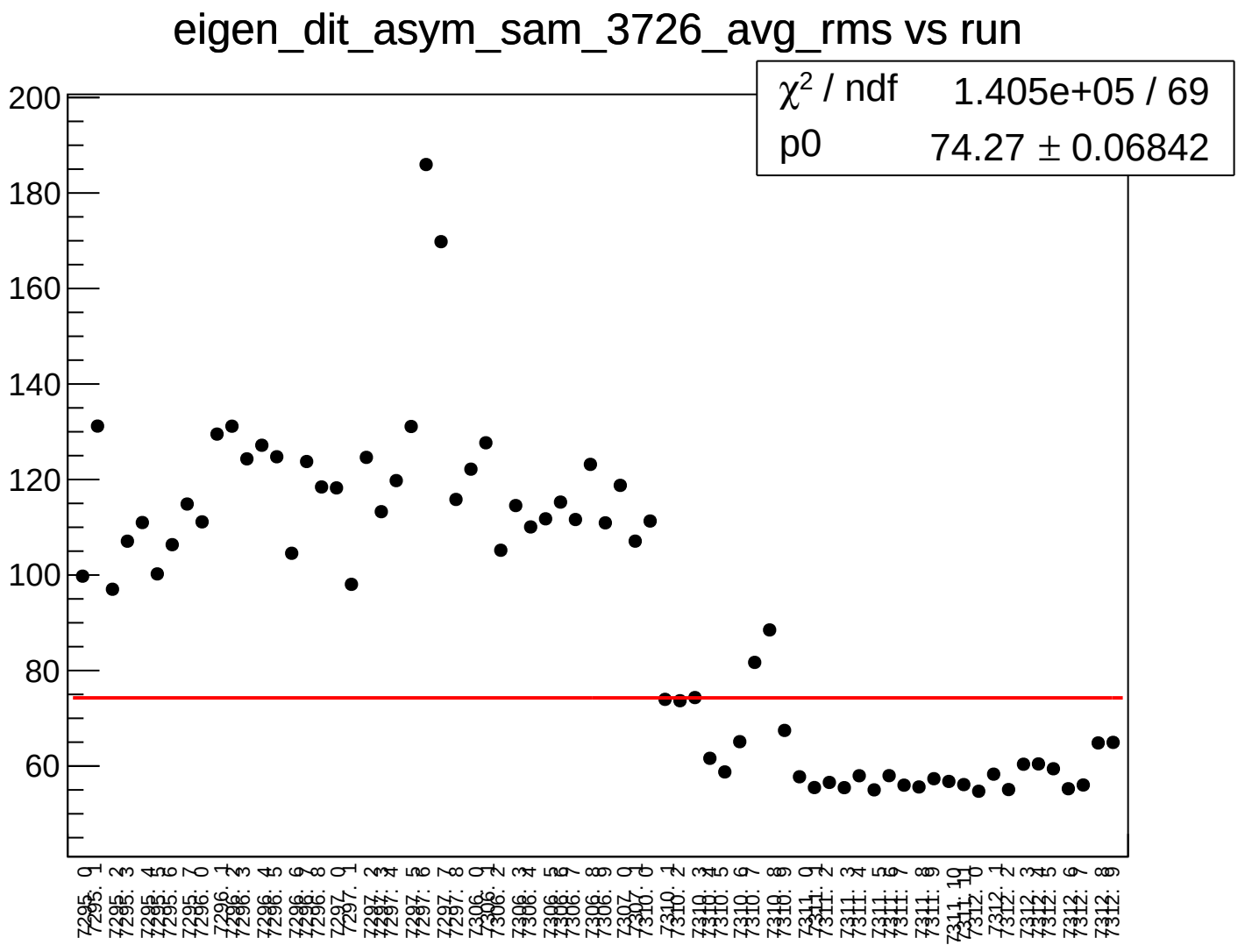

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 76.76 / 69
p0 −756.4 ± 511.8
pull
Entries 70
Mean 383.6
Std Dev 0

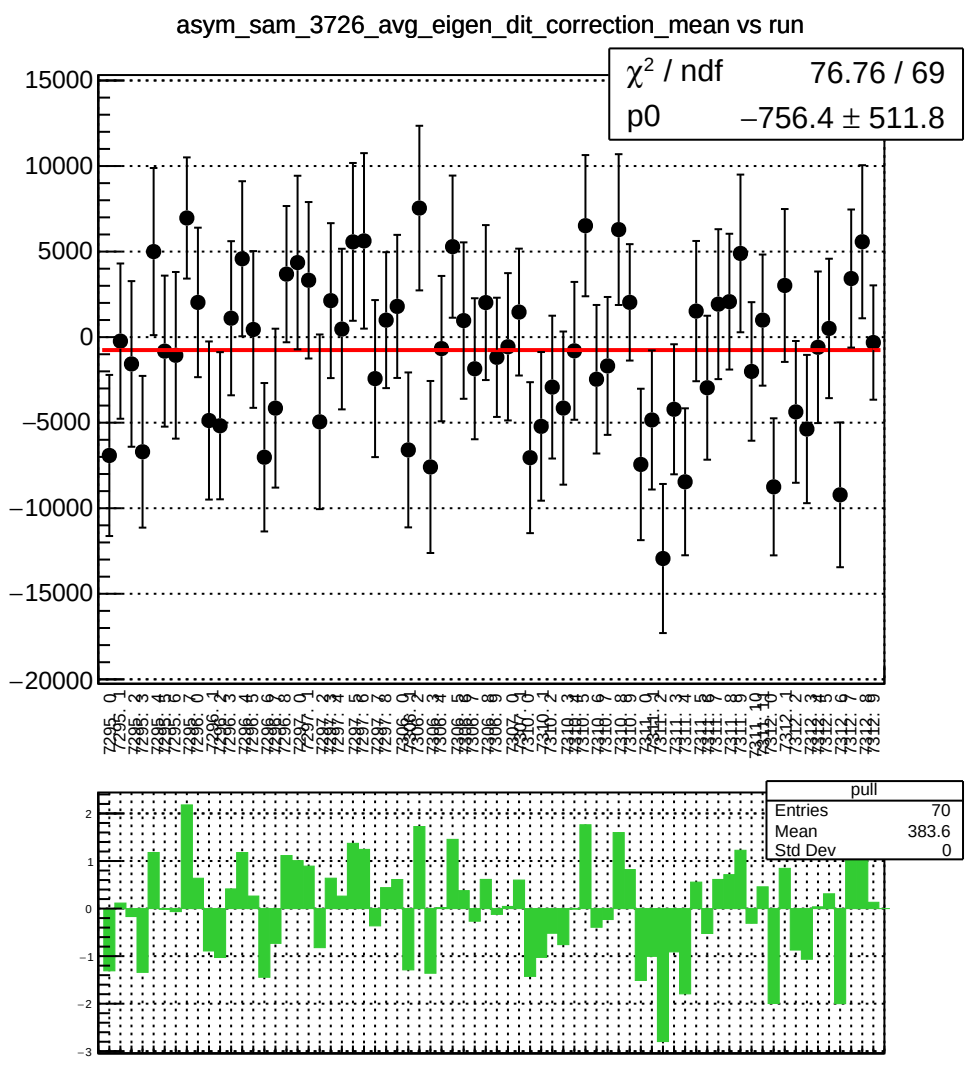

pull1D
Entries 70
Mean −0.006359
Std Dev 1.047

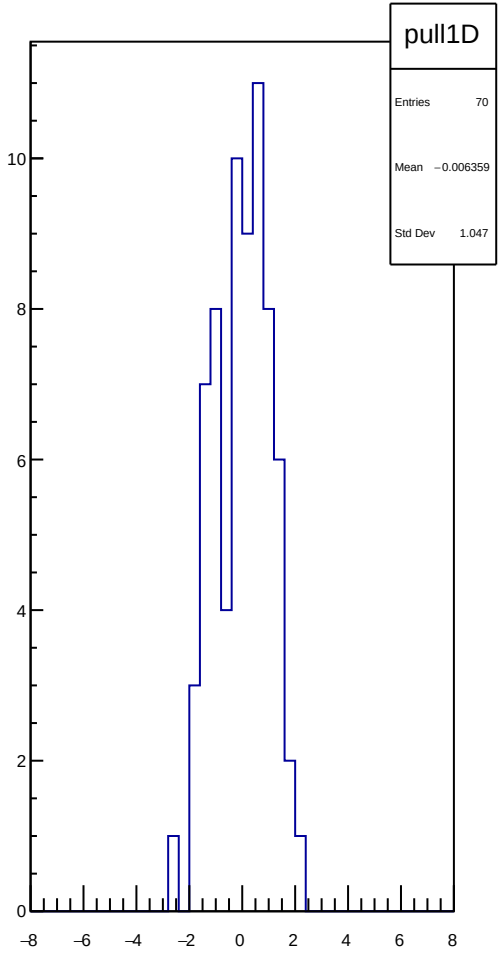

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 5680 / 69
p0 414.7 ± 0.3619
500
480
460
440
420
400
380
360

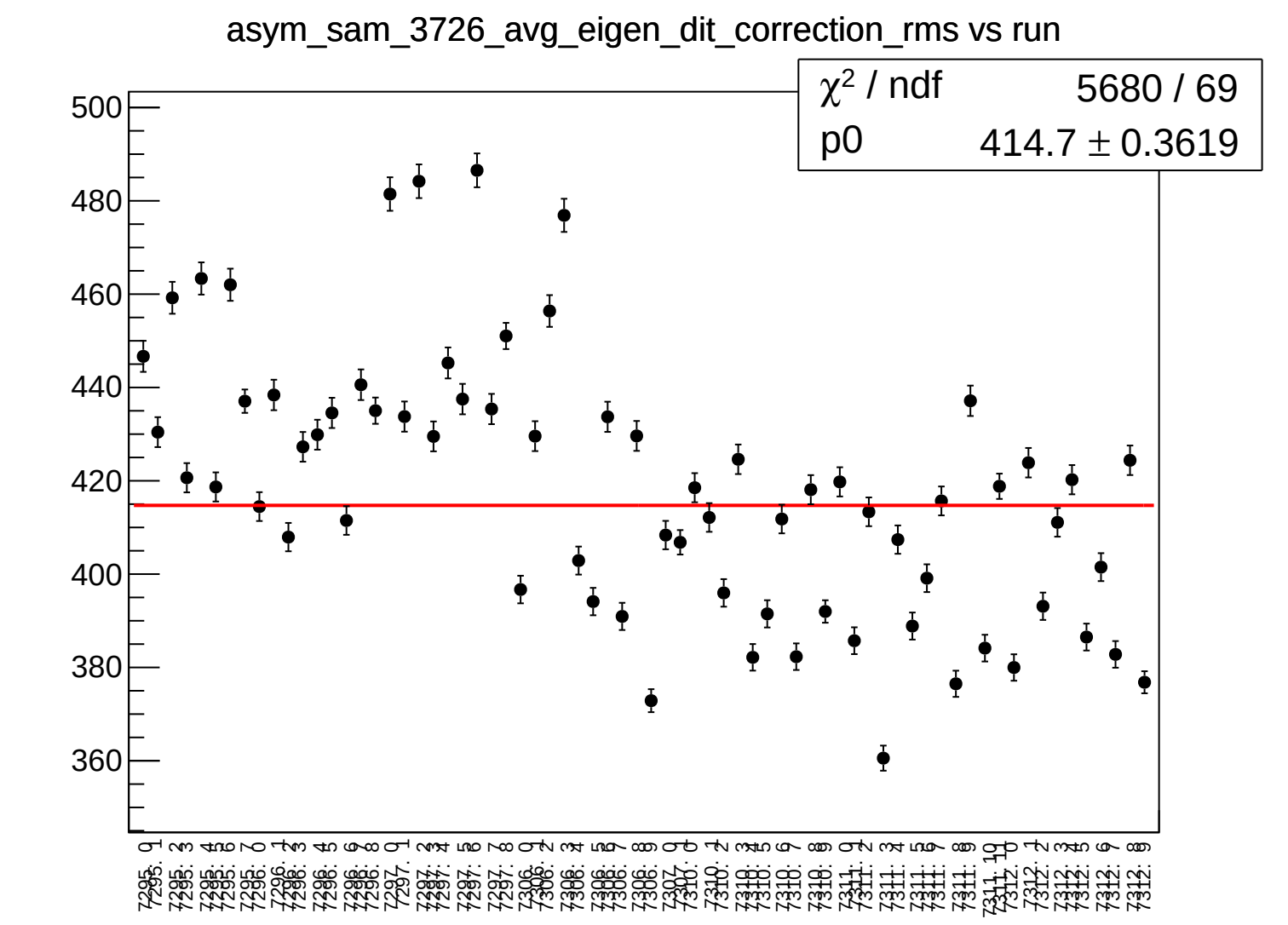

eigen_dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 71.63 / 69
p0 −116.3 ± 96.76
pull
Entries 70
Mean −17.37
Std Dev 0

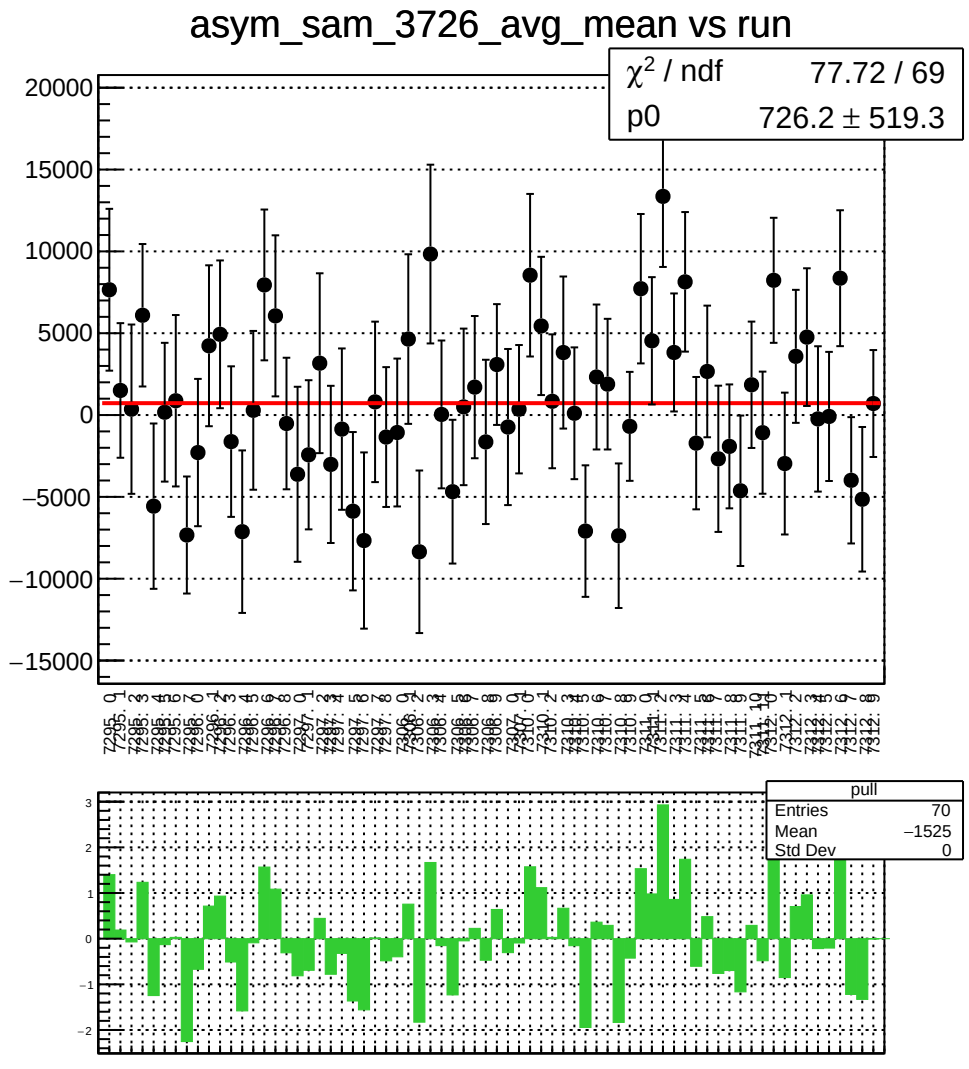

pull1D
Entries 70
Mean 0.02333
Std Dev 1.011

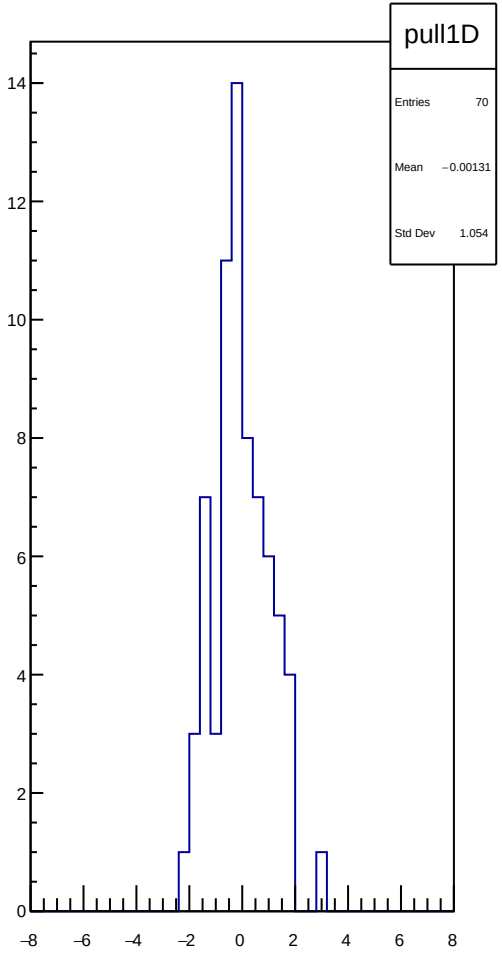

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.405e+05 / 69
p0 74.27 ± 0.06842
200
180
160
140
120
100
80
60

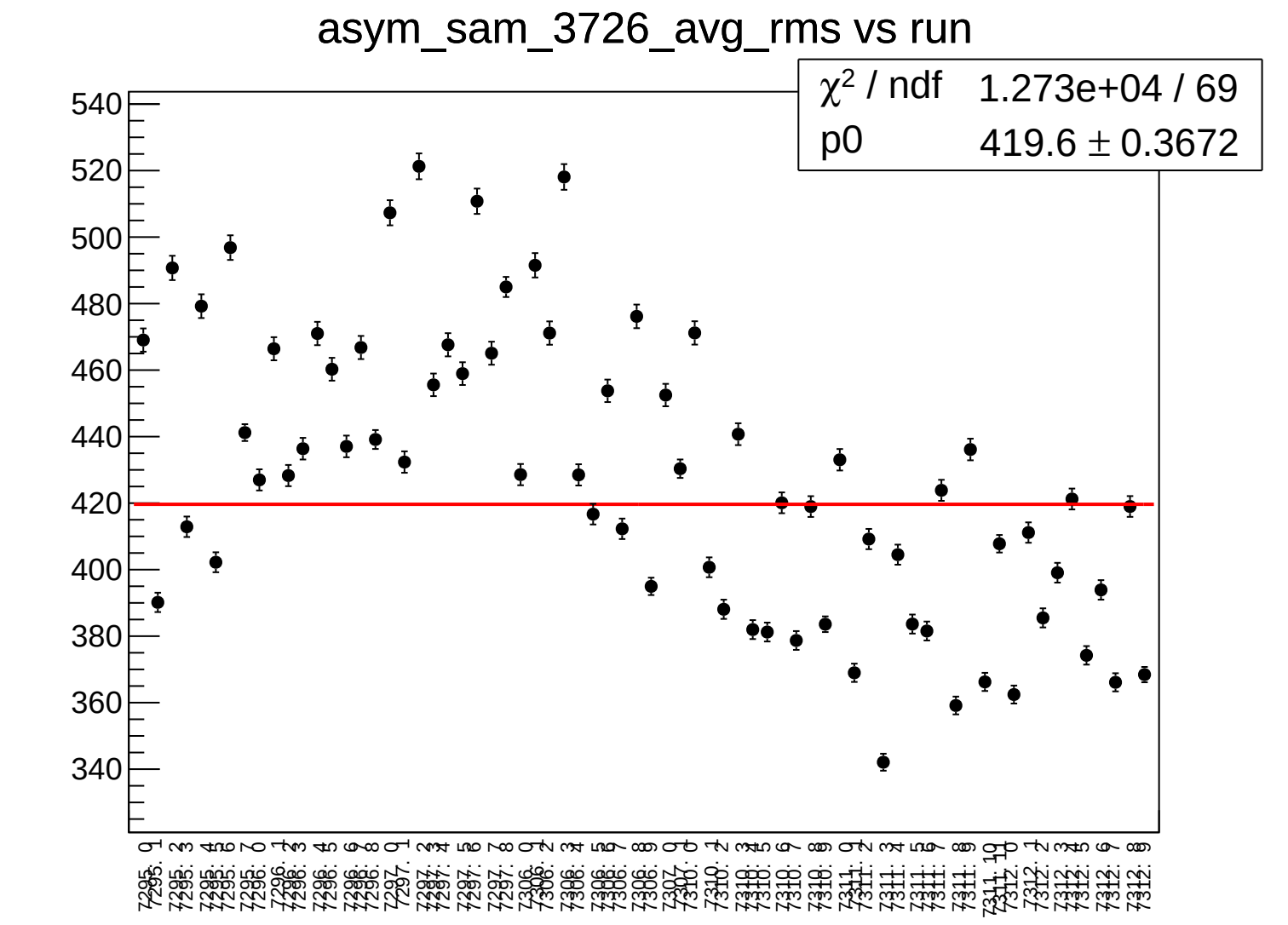

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.76 / 69
p0 −756.4 ± 511.8
pull
Entries 70
Mean 383.6
Std Dev 0

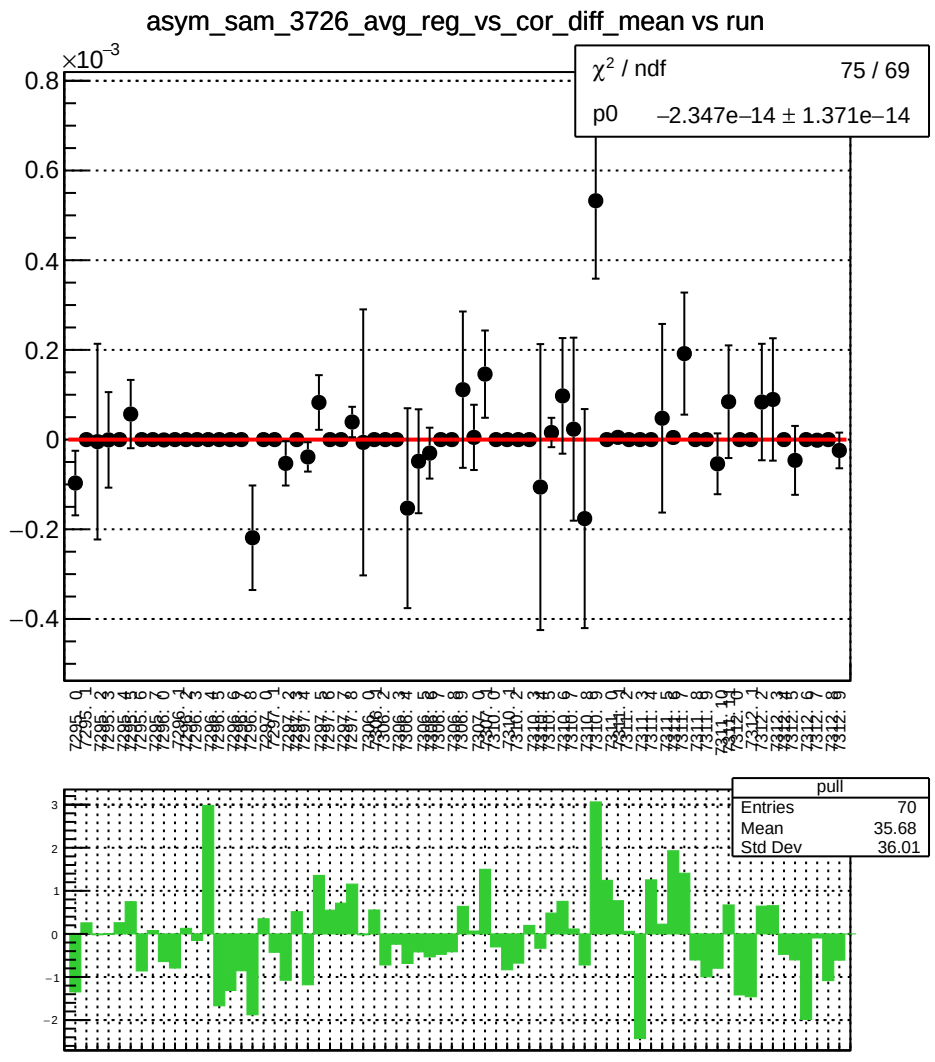

pull1D
Entries 70
Mean −0.006359
Std Dev 1.047

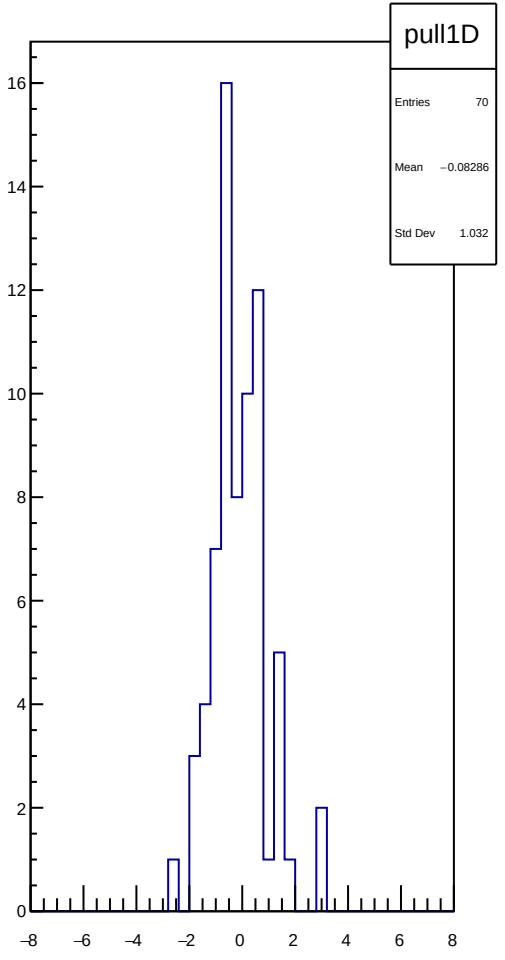

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 5680 / 69
p0 414.7 ± 0.3619
500
480
460
440
420
400
380
360

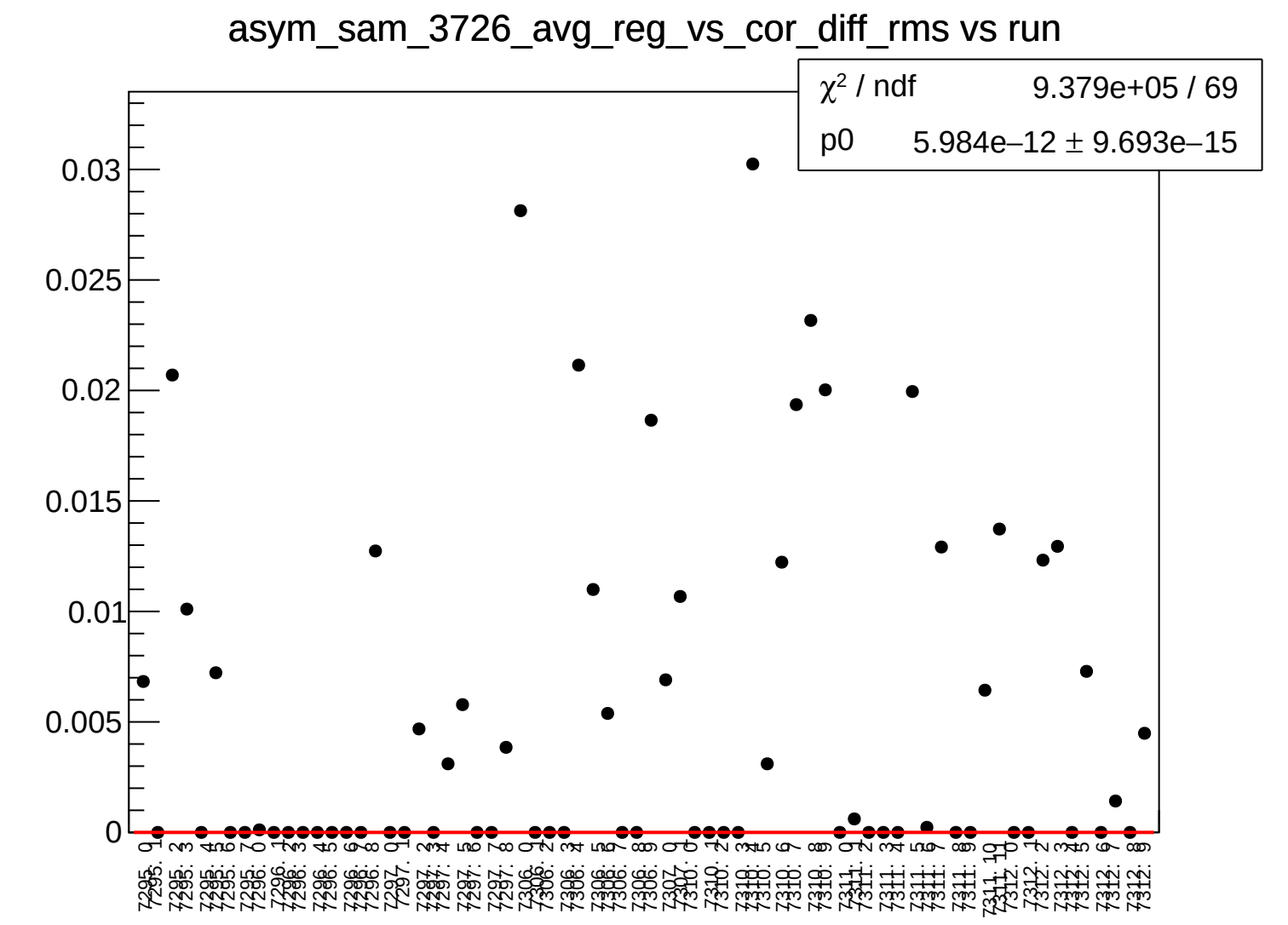

asym_sam_3726_avg_mean vs run
χ² / ndf 77.72 / 69
p0 726.2 ± 519.3
pull
Entries 70
Mean −1525
Std Dev 0

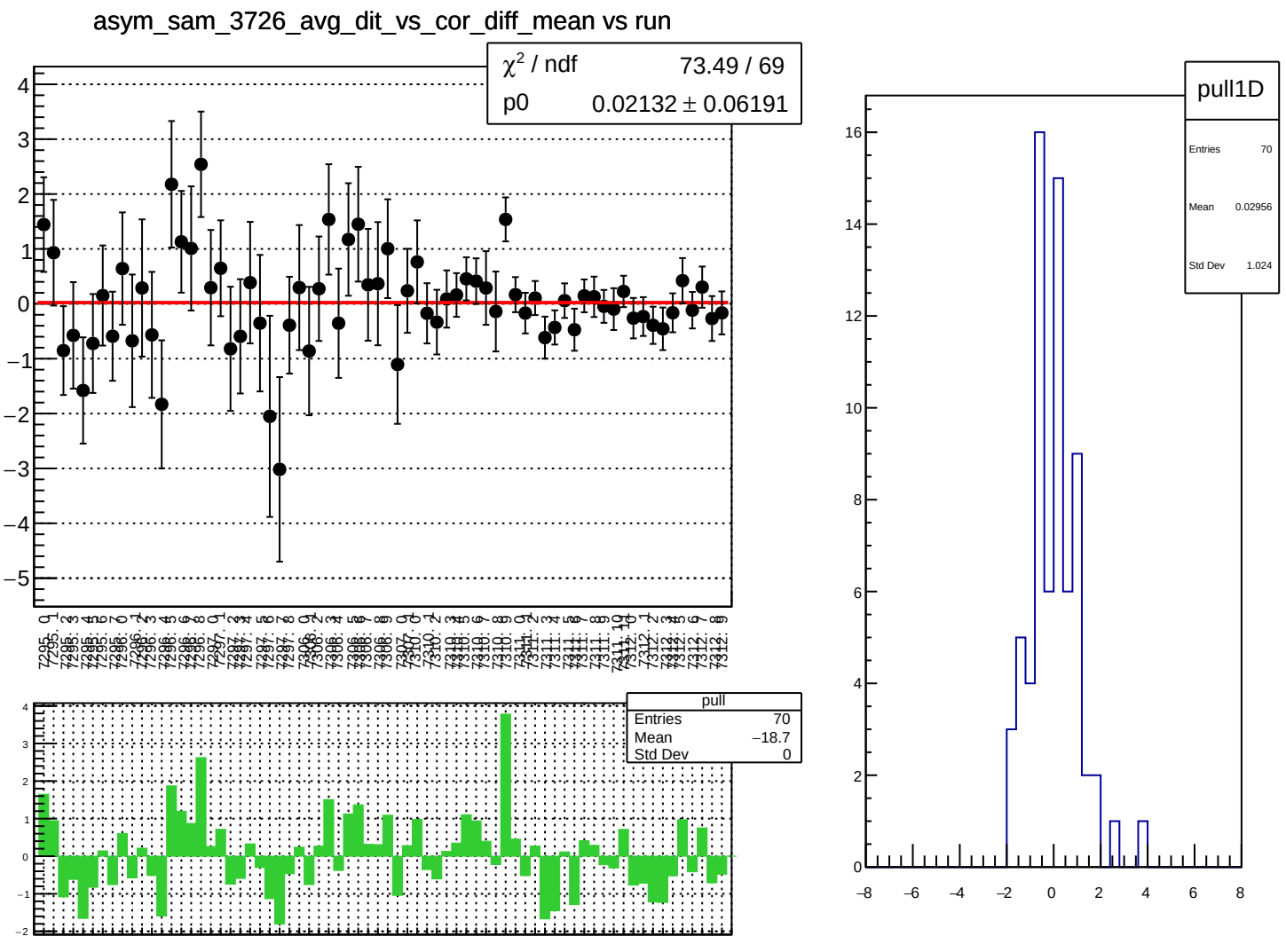

pull1D
Entries 70
Mean −0.00131
Std Dev 1.054

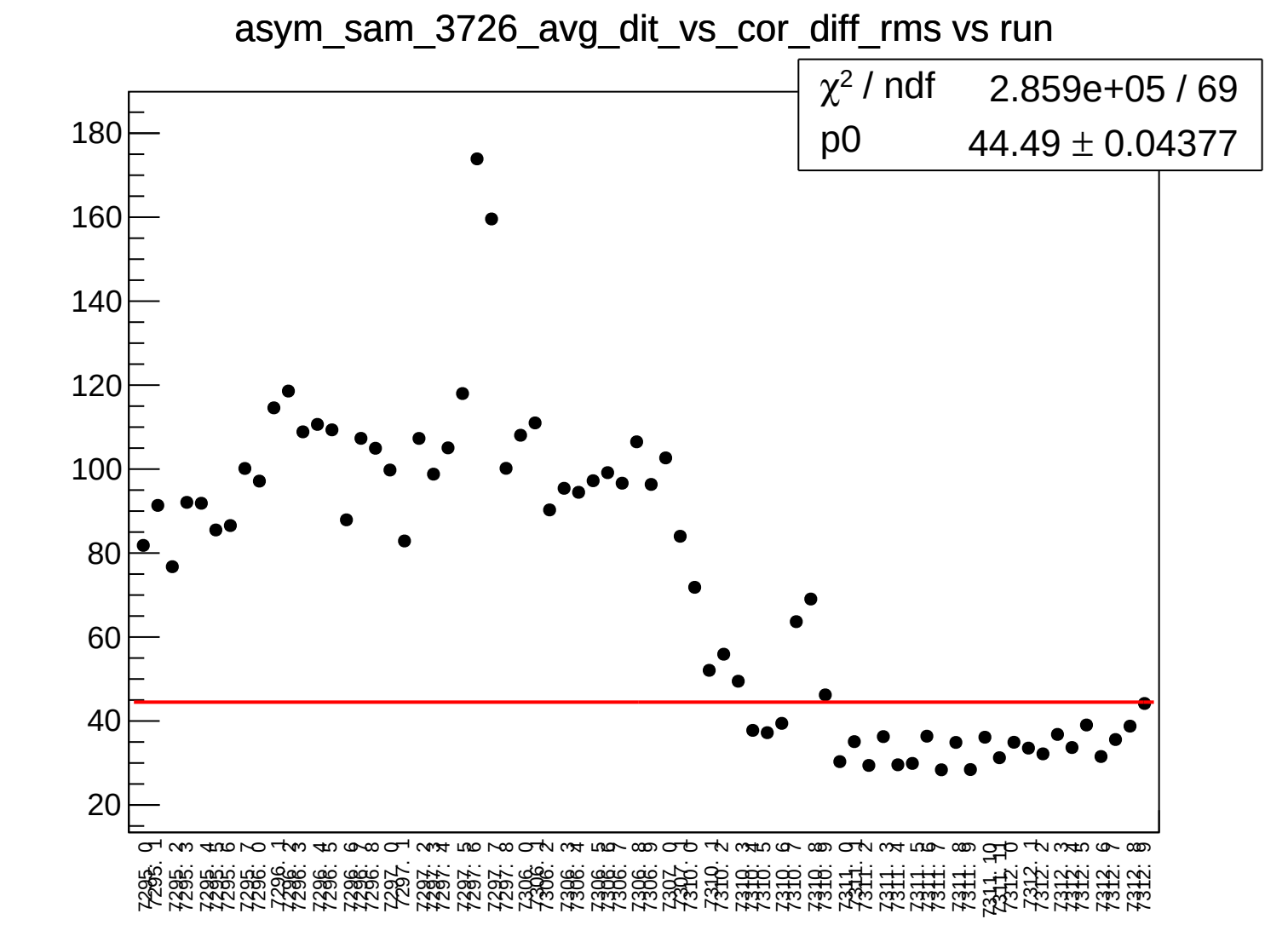

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.273e+04 / 69
p0 419.6 ± 0.3672
540
520
500
480
460
440
420
400
380
360
340

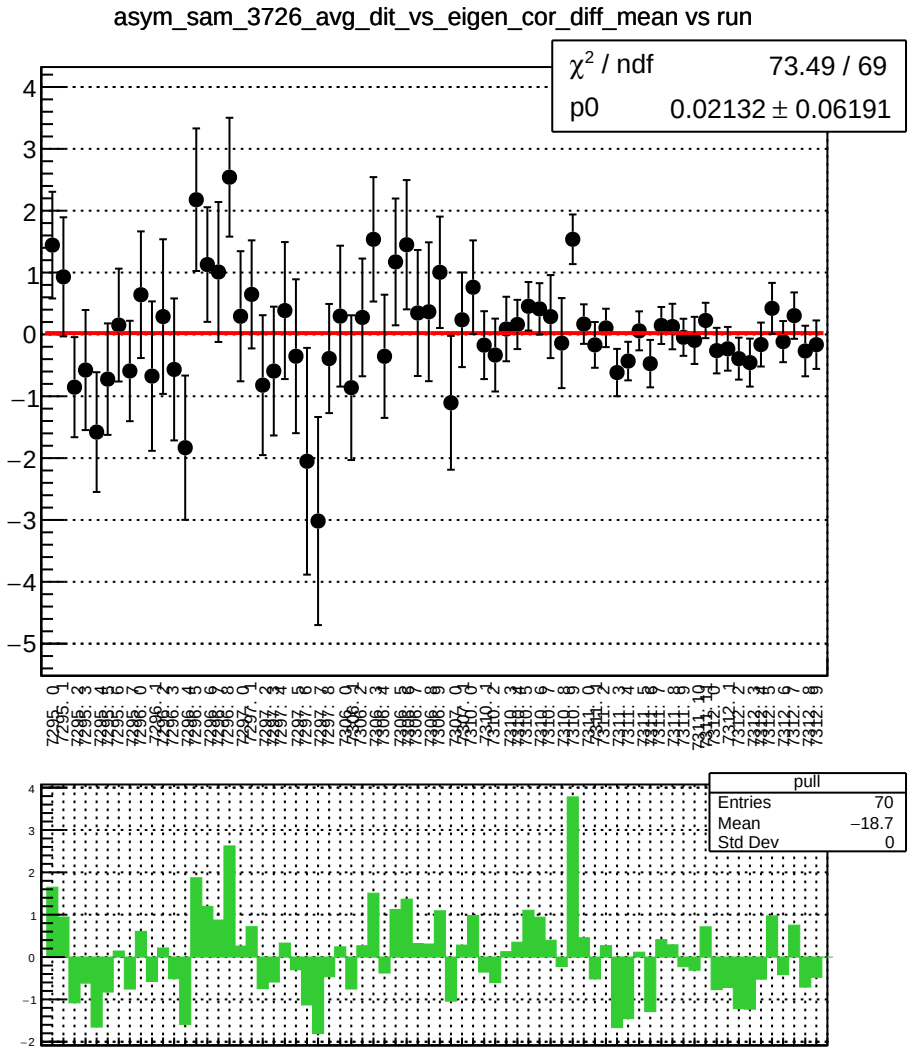

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 75 / 69
p0 −2.347e−14 ± 1.371e−14
pull
Entries 70
Mean 35.68
Std Dev 36.01

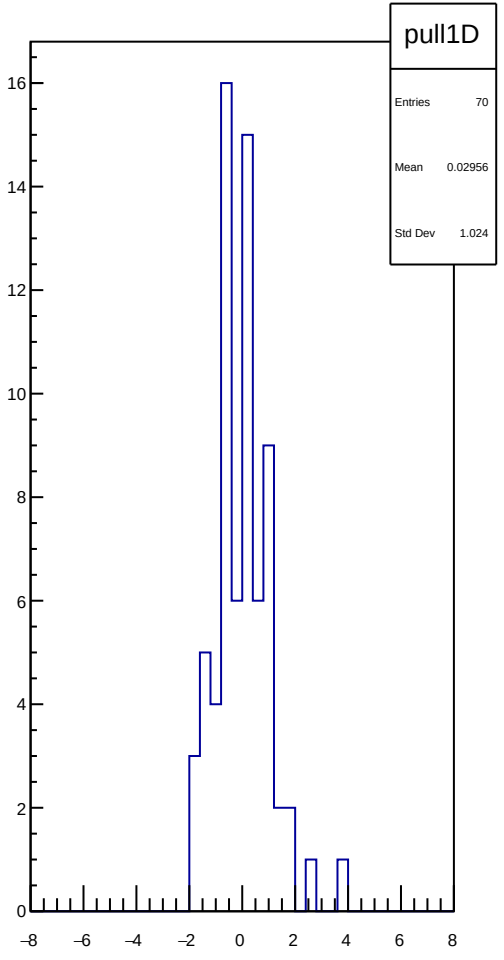

pull1D
Entries 70
Mean −0.08286
Std Dev 1.032

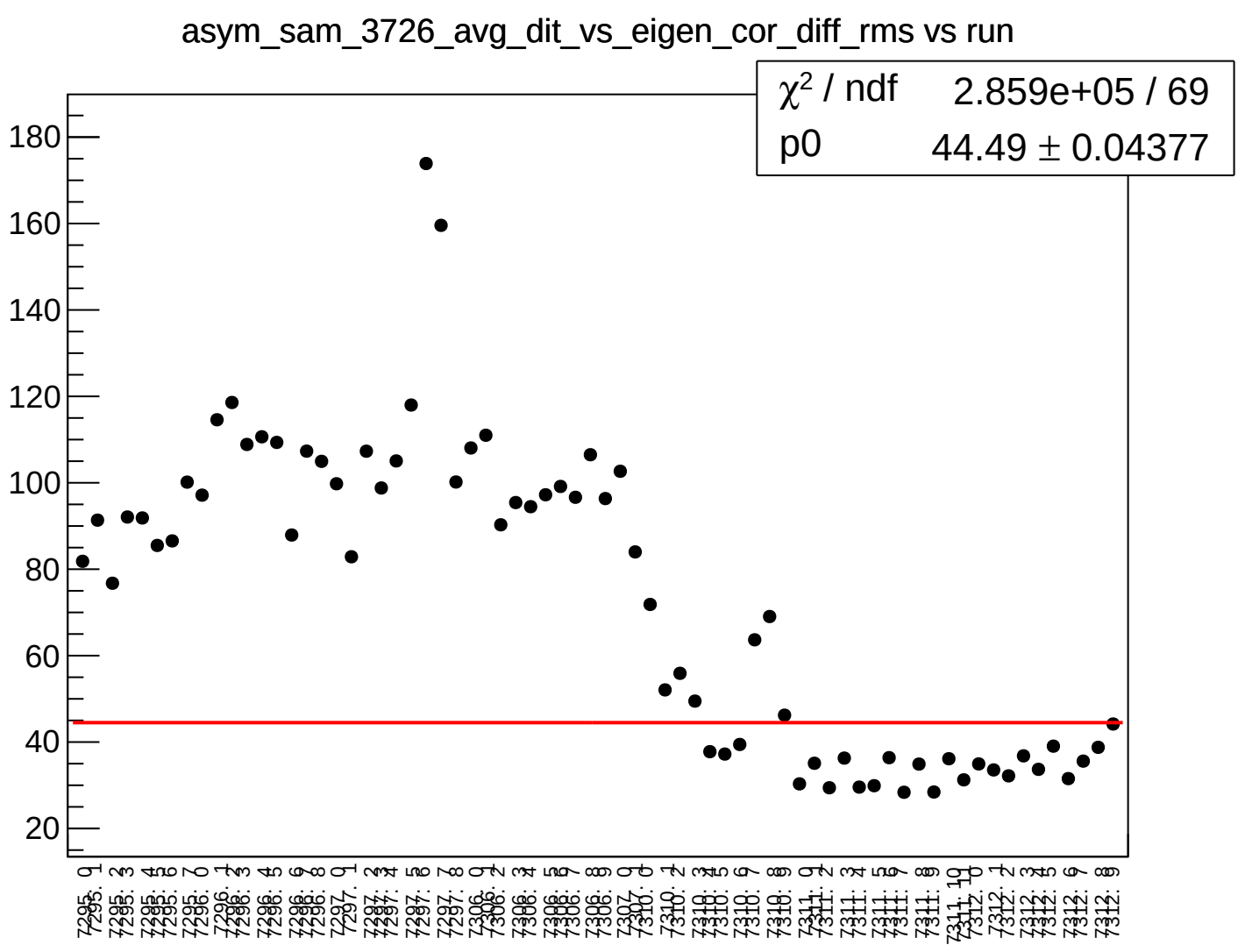

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.379e+05 / 69
p0 5.984e−12 ± 9.693e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

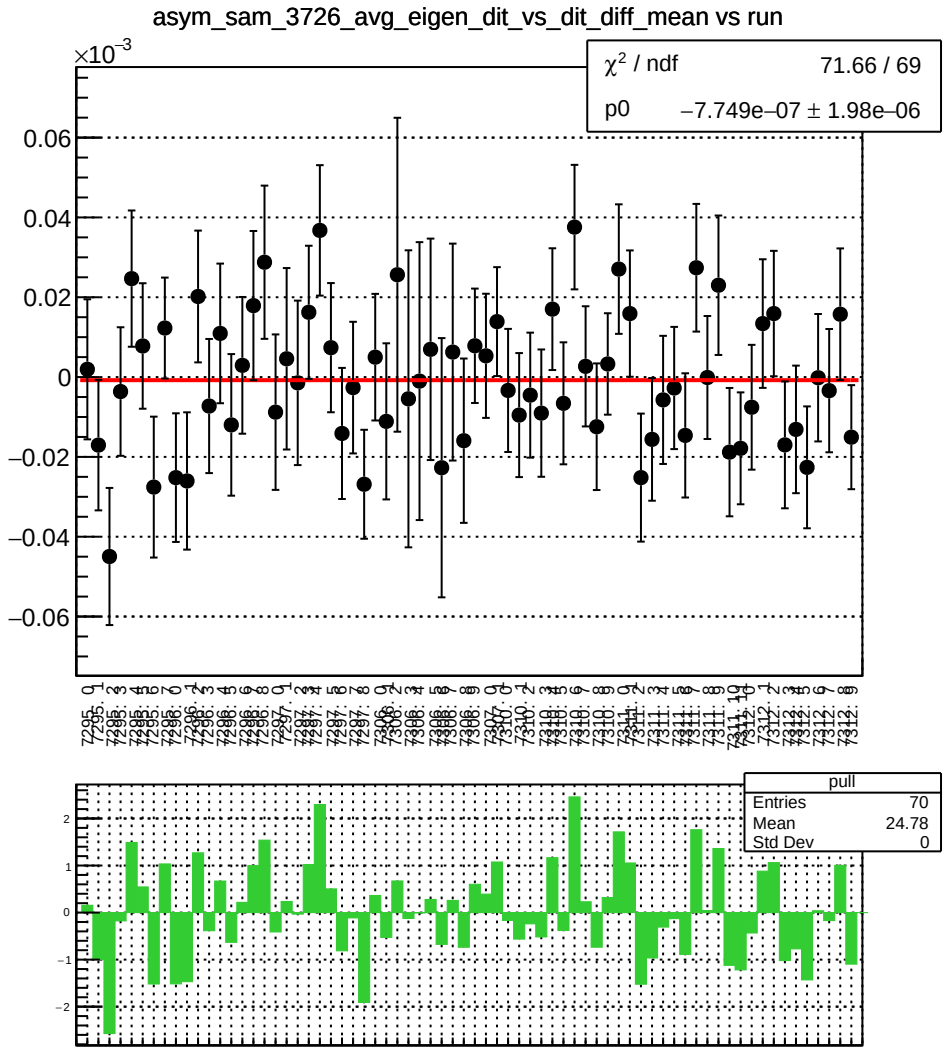

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.49 / 69
p0 0.02132 ± 0.06191
pull
Entries 70
Mean −18.7
Std Dev 0
pull1D
Entries 70
Mean 0.02956
Std Dev 1.024

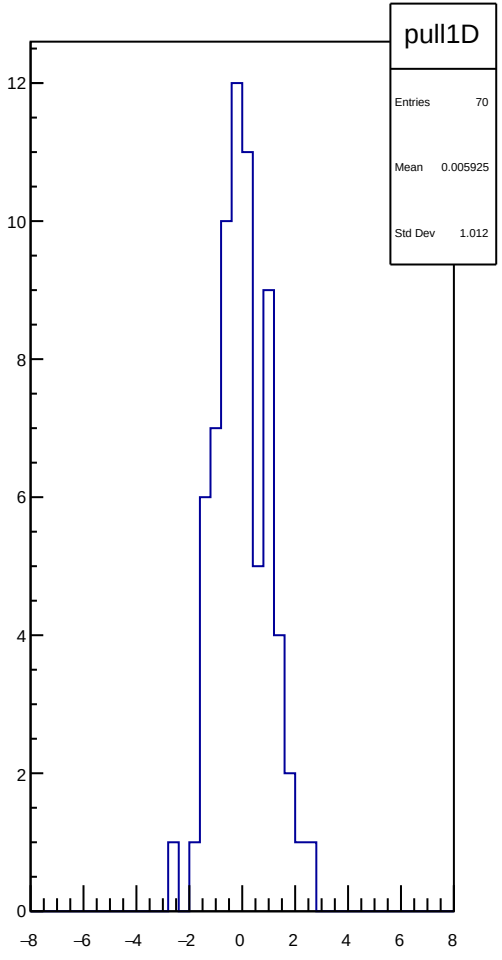

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.859e+05 / 69
p0 44.49 ± 0.04377
180
160
140
120
100
80
60
40
20

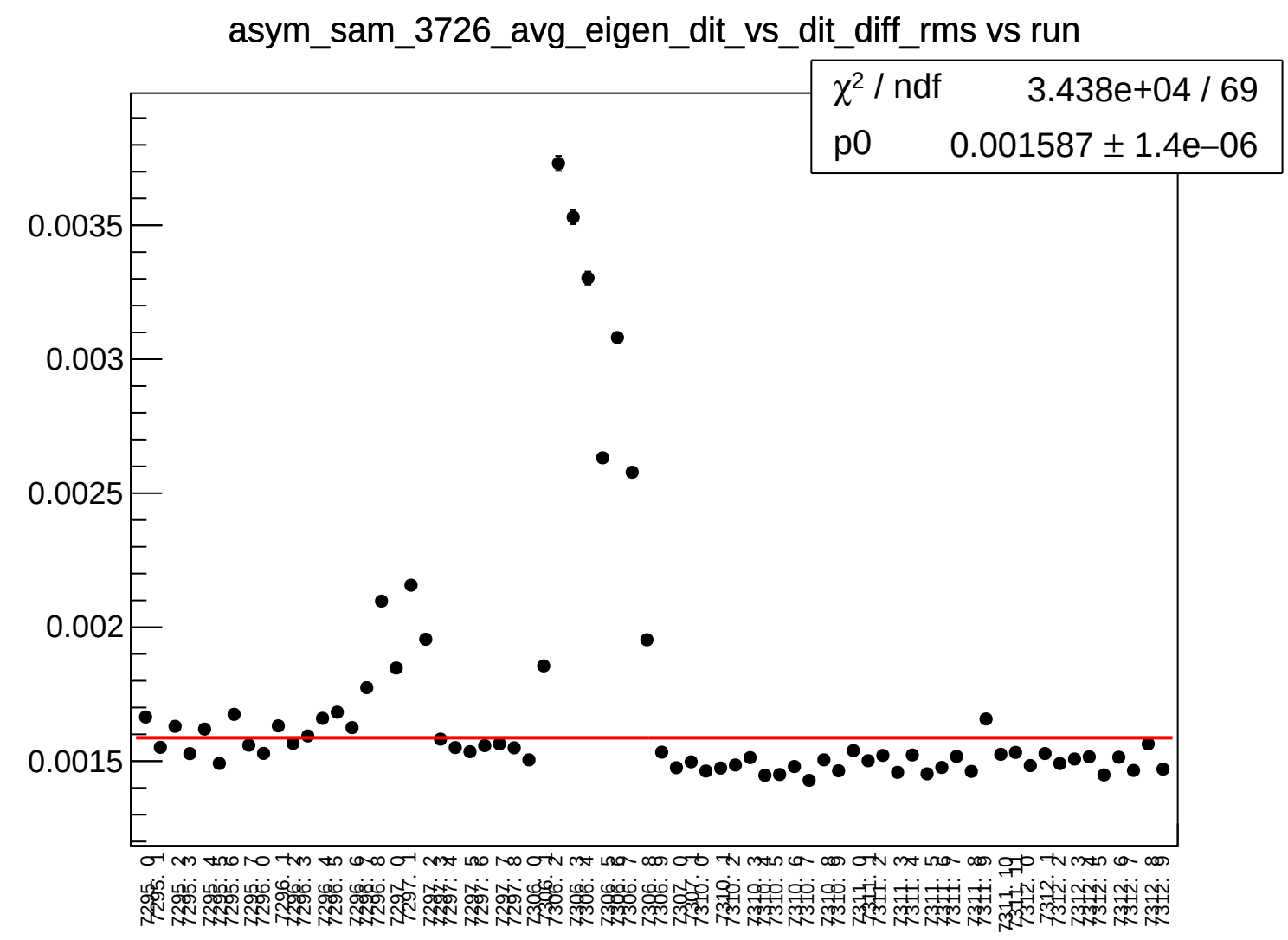

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.49 / 69
p0 0.02132 ± 0.06191
pull
Entries 70
Mean −18.7
Std Dev 0

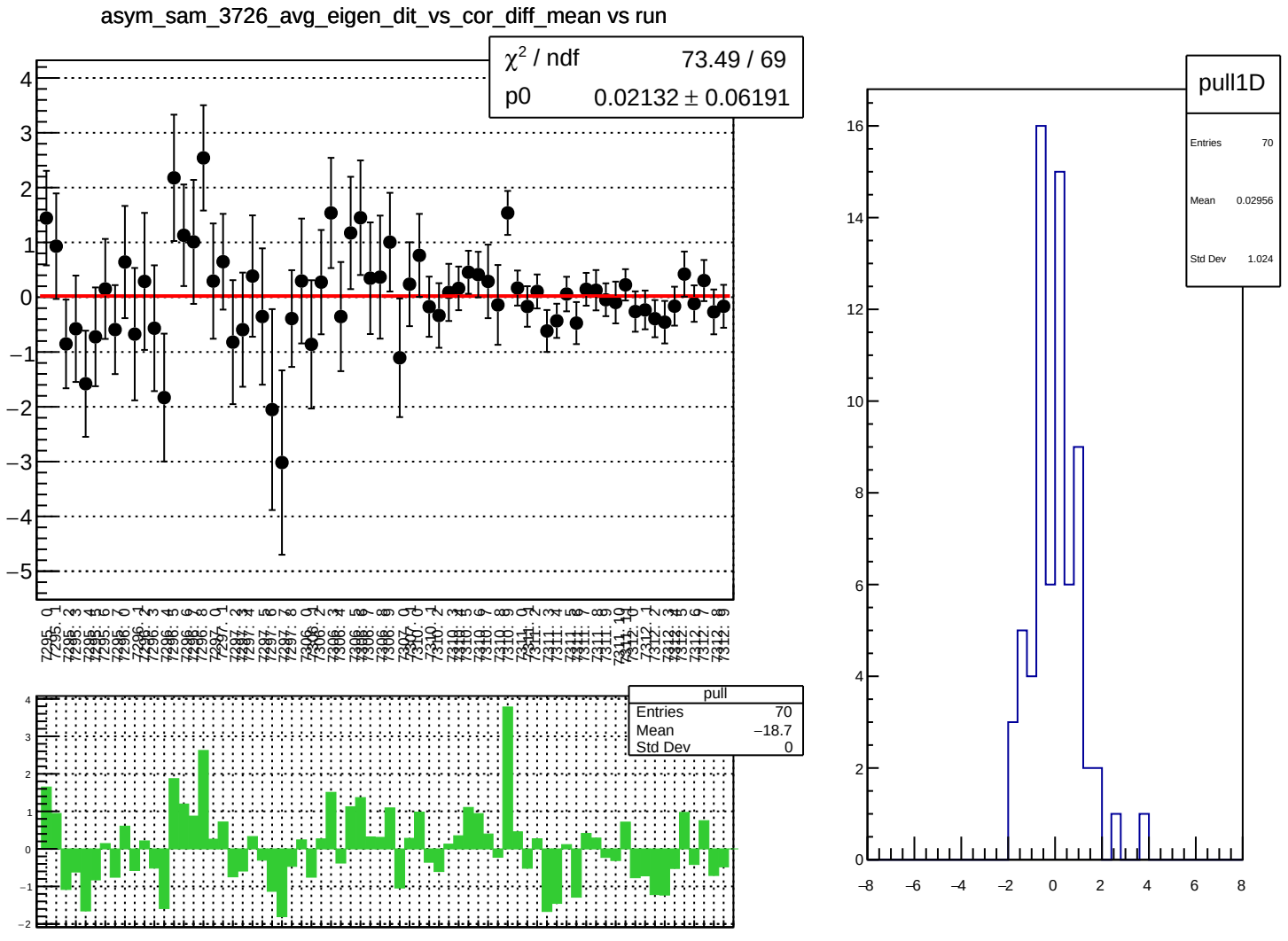

pull1D
Entries 70
Mean 0.02956
Std Dev 1.024

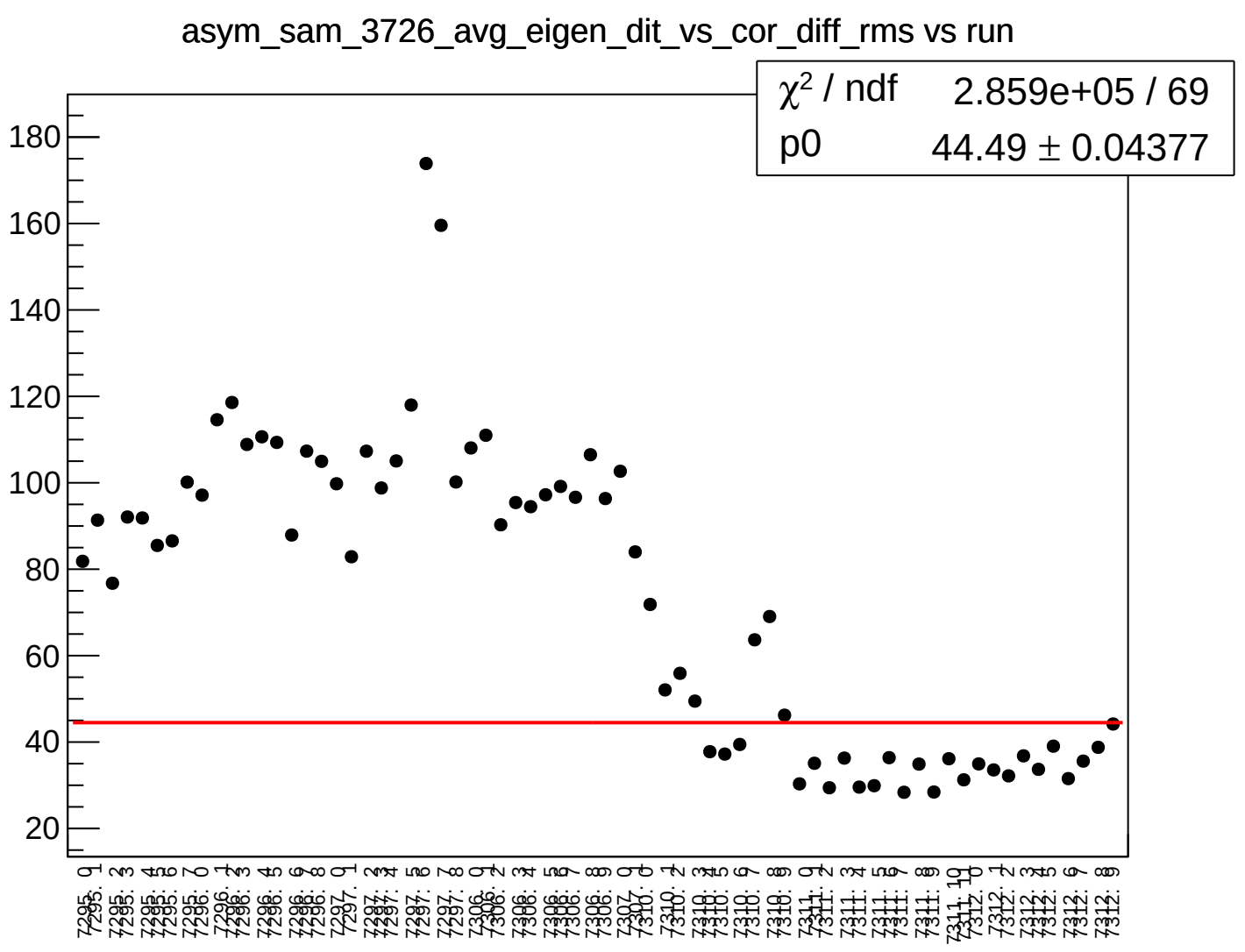

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.859e+05 / 69
p0 44.49 ± 0.04377
180
160
140
120
100
80
60
40
20

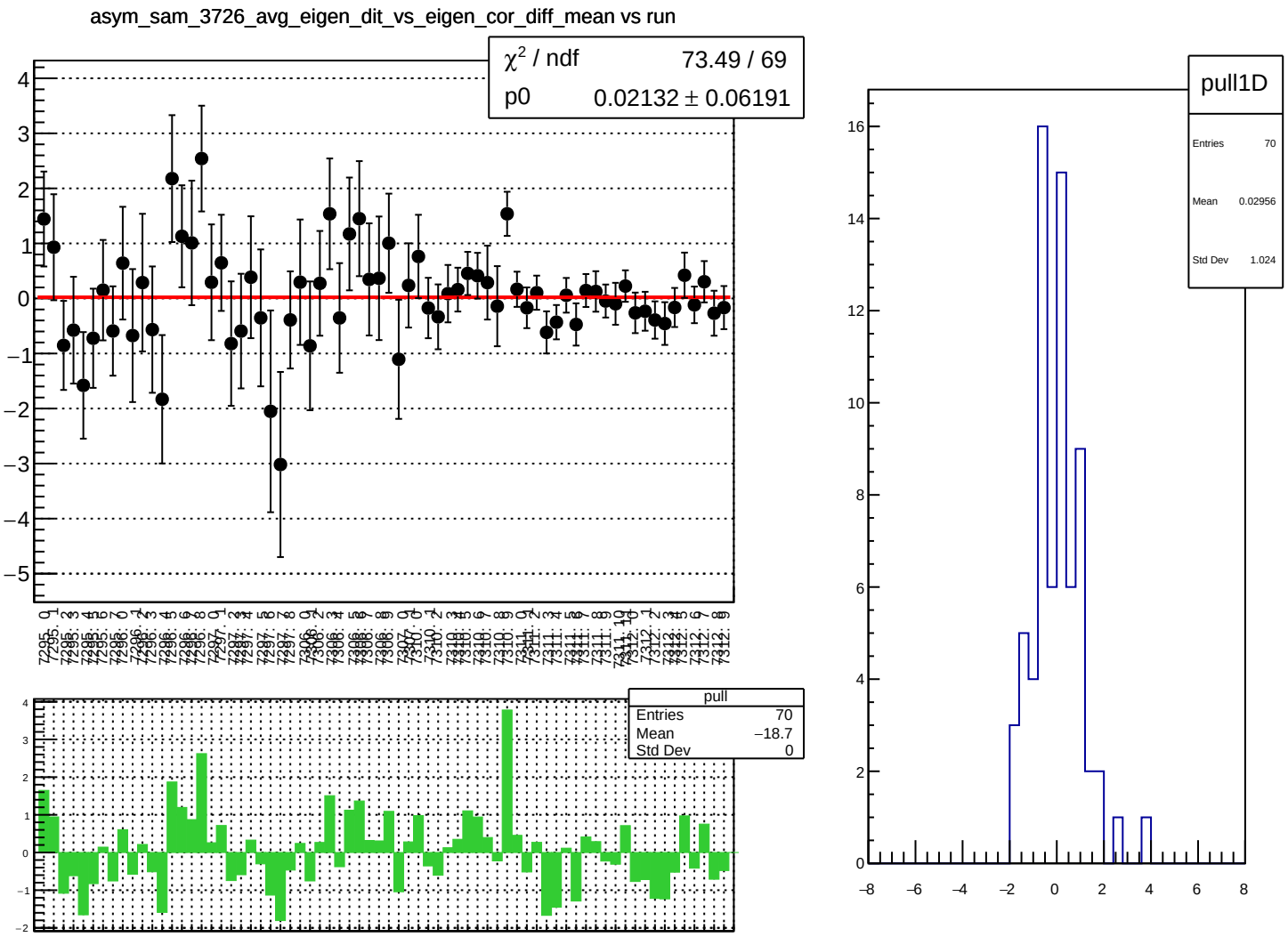

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.66 / 69
p0 −7.749e−07 ± 1.98e−06
pull
Entries 70
Mean 24.78
Std Dev 0

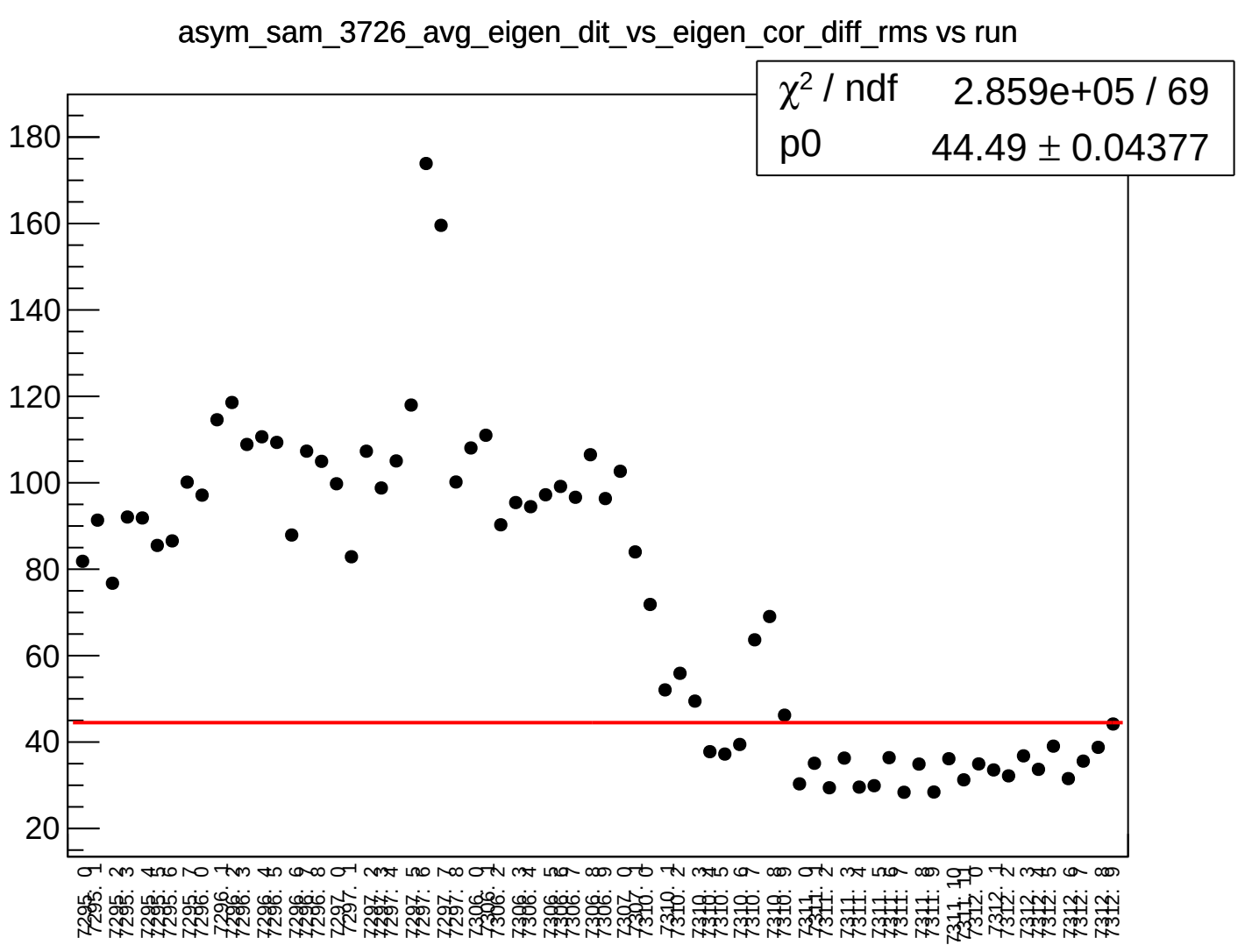

pull1D
Entries 70
Mean 0.005925
Std Dev 1.012

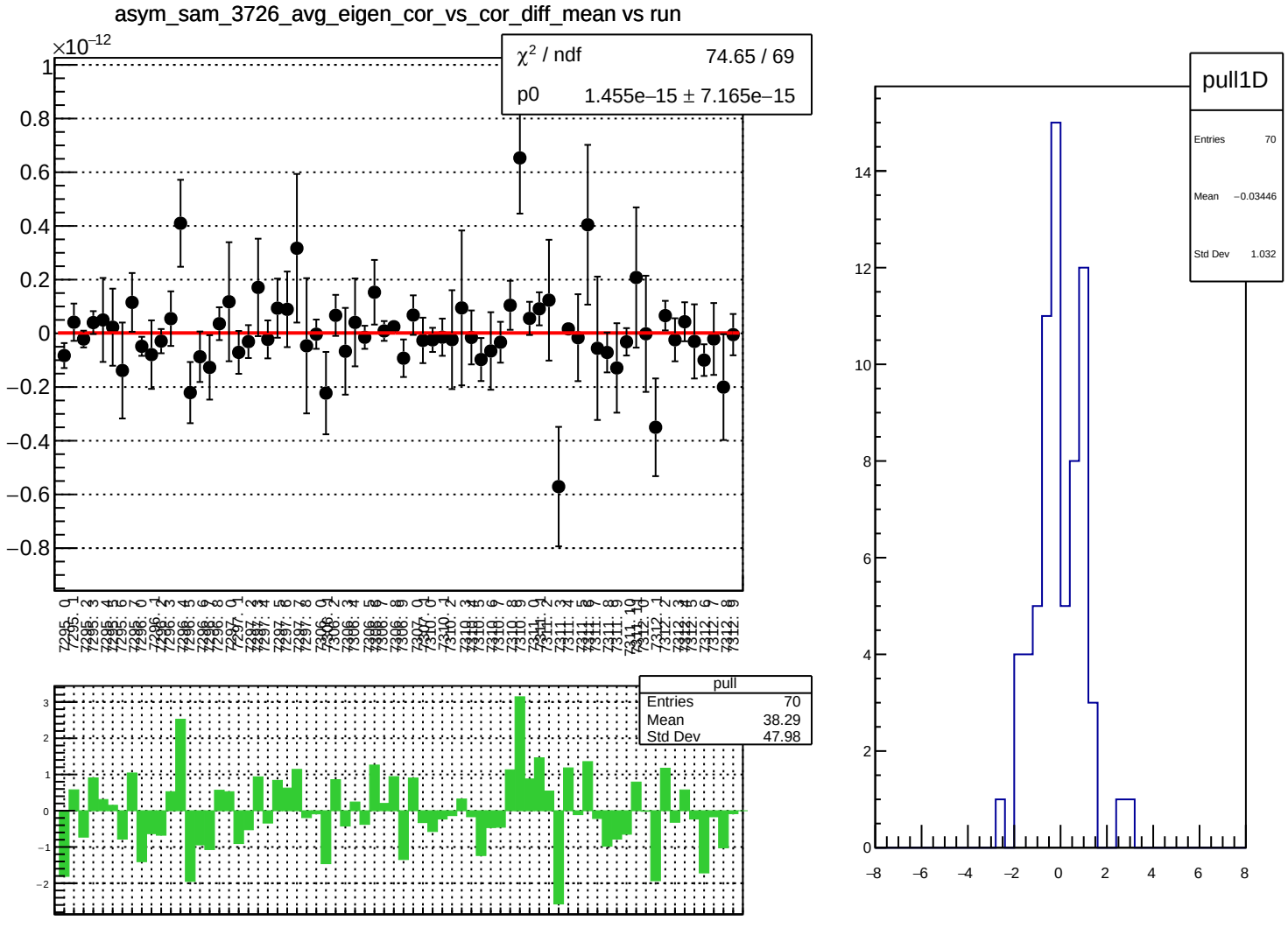

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.438e+04 / 69
p0 0.001587 ± 1.4e−06
0.0035
0.003
0.0025
0.002
0.0015

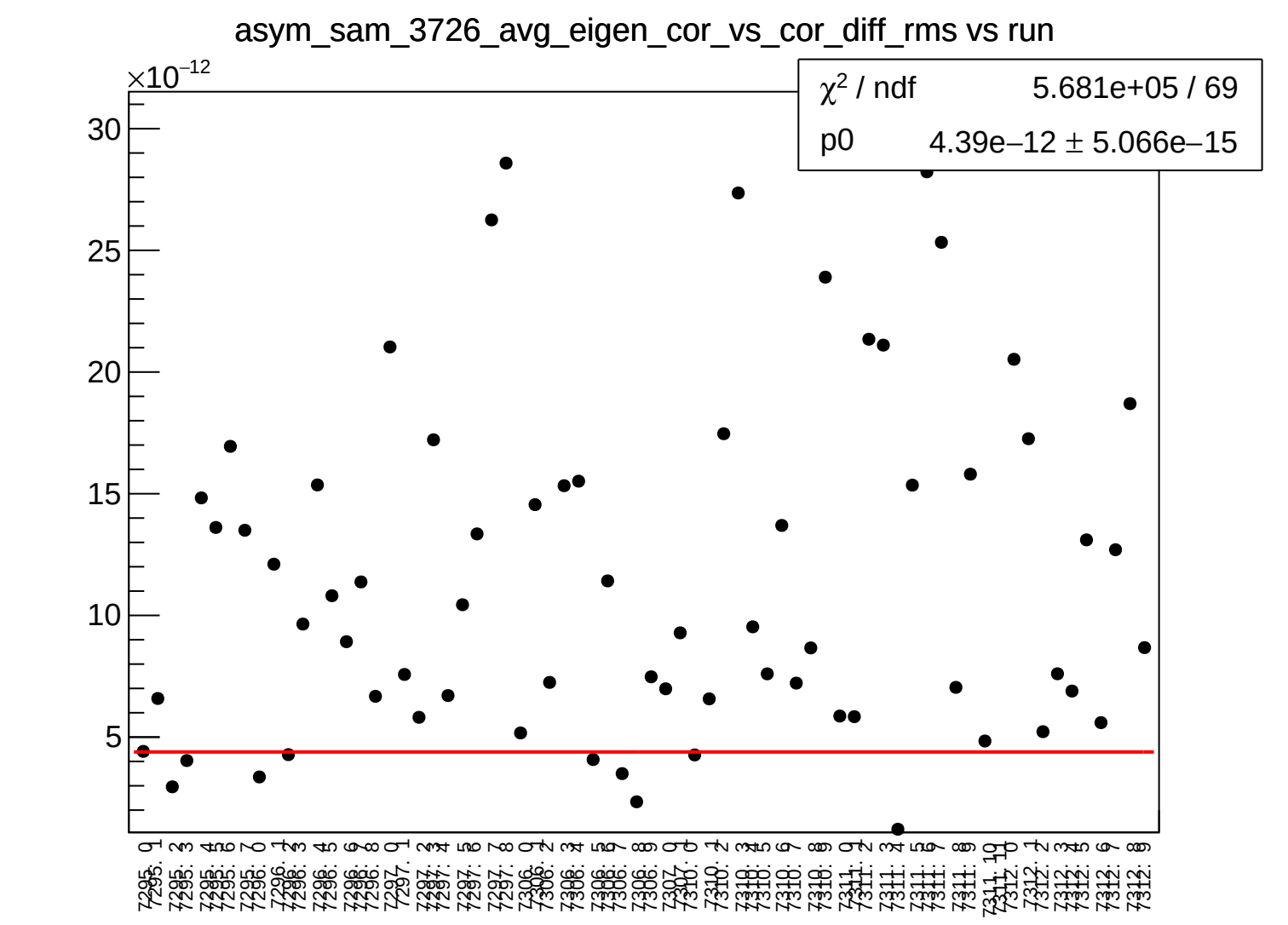

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.49 / 69
p0 0.02132 ± 0.06191
pull
Entries 70
Mean −18.7
Std Dev 0
pull1D
Entries 70
Mean 0.02956
Std Dev 1.024

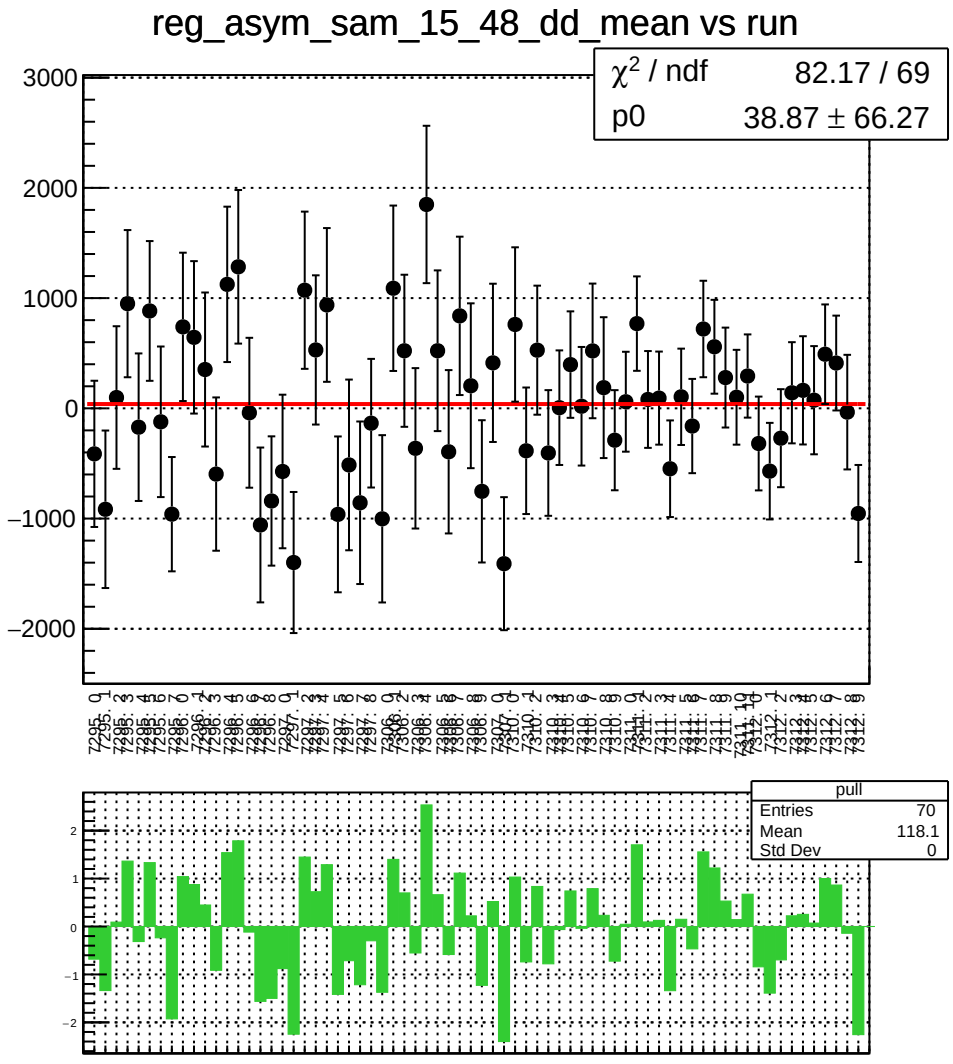

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.859e+05 / 69
p0 44.49 ± 0.04377
180
160
140
120
100
80
60
40
20

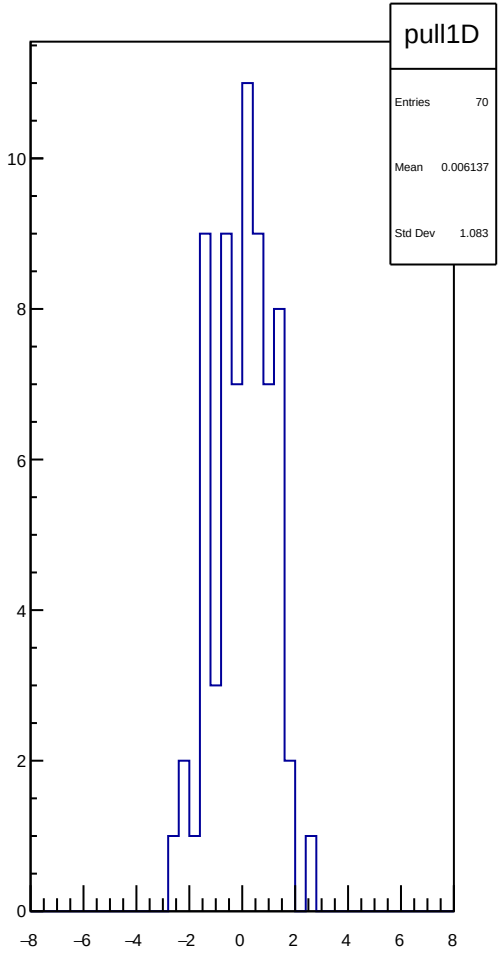

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.49 / 69
p0 0.02132 ± 0.06191
pull
Entries 70
Mean −18.7
Std Dev 0
pull1D
Entries 70
Mean 0.02956
Std Dev 1.024

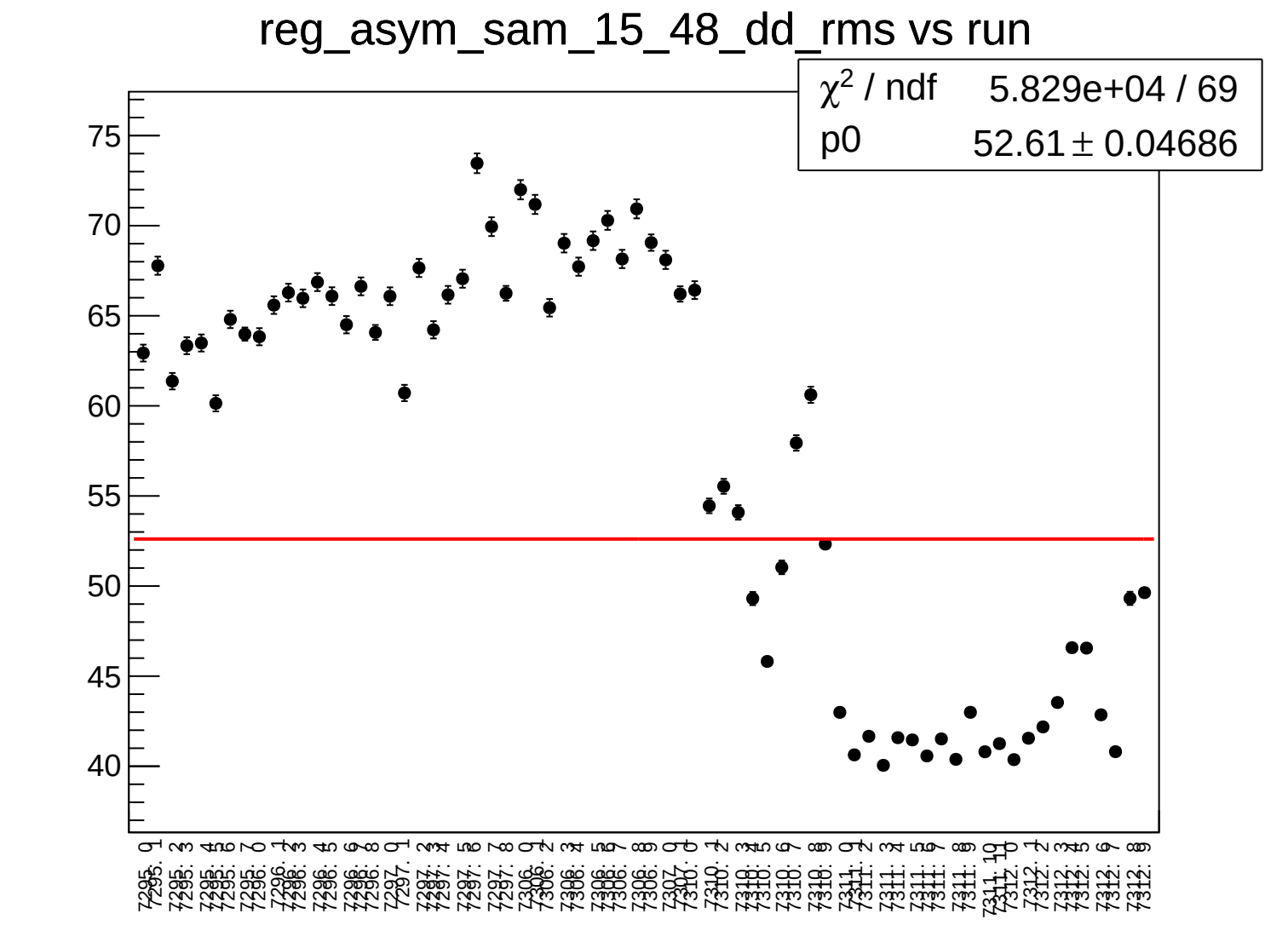

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.859e+05 / 69
p0 44.49 ± 0.04377
180
160
140
120
100
80
60
40
20


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.65 / 69
p0 1.455e−15 ± 7.165e−15
pull
Entries 70
Mean 38.29
Std Dev 47.98
pull1D
Entries 70
Mean −0.03446
Std Dev 1.032

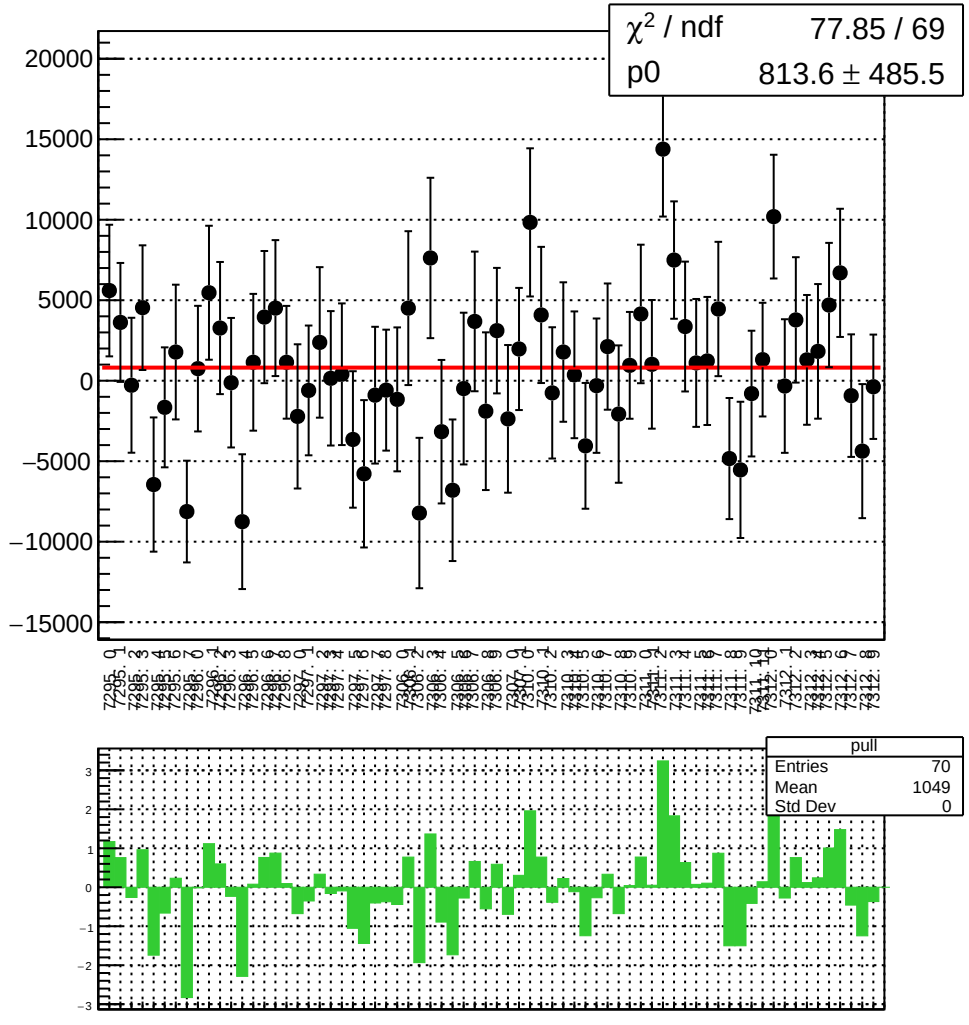

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.681e+05 / 69
p0 4.39e−12 ± 5.066e−15
30
25
20
15
10
5

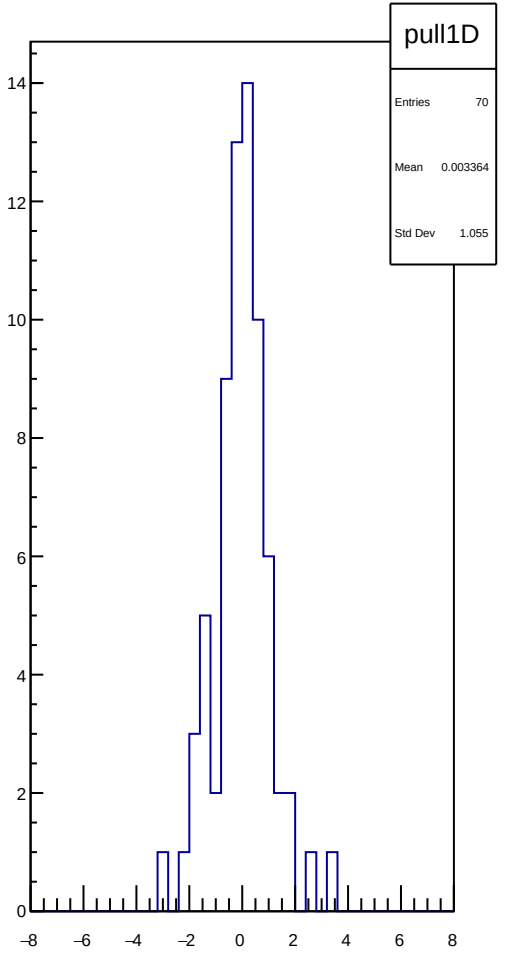

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.17 / 69
p0 38.87 ± 66.27
3000
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 118.1
Std Dev 0
2
1
0
−1
−2

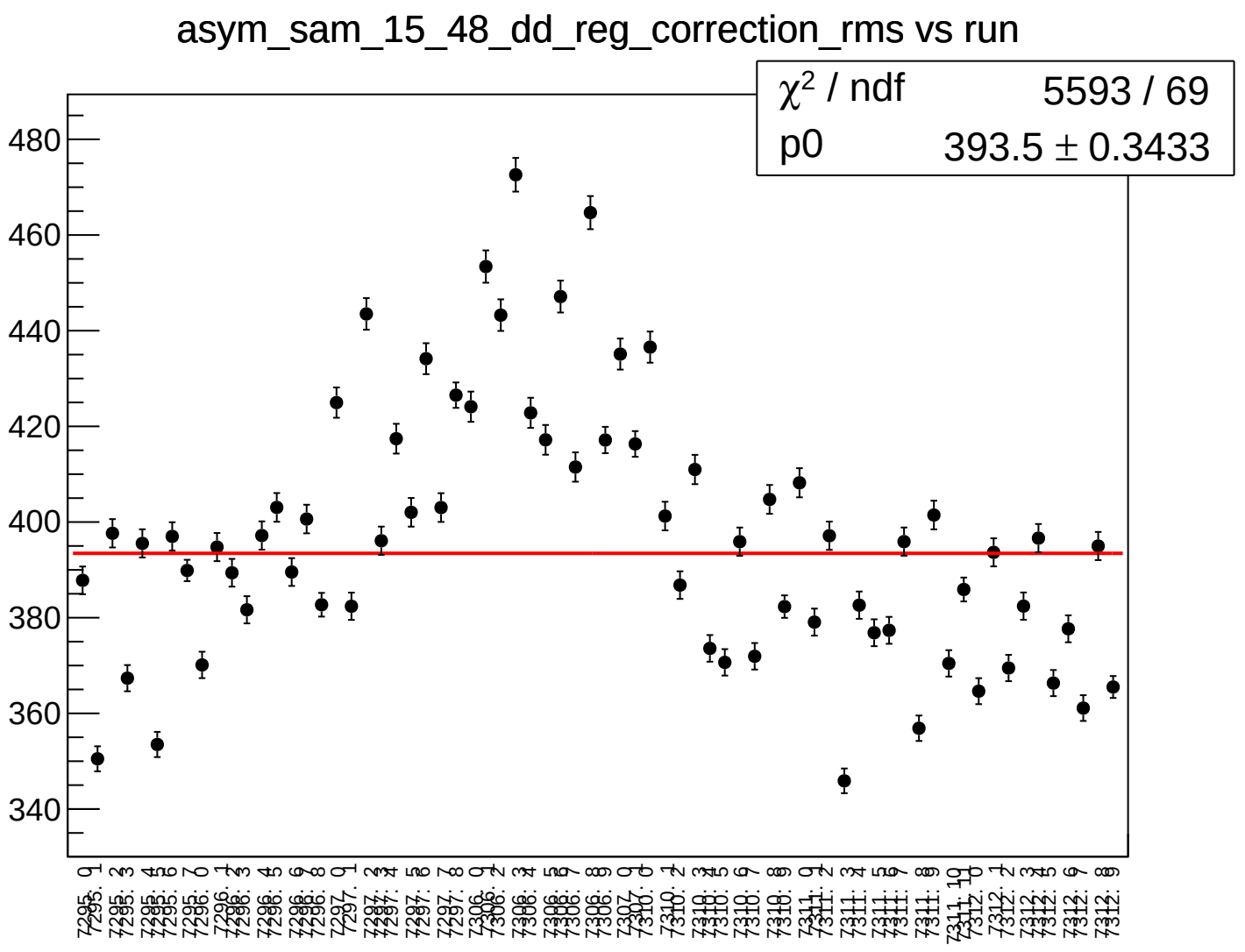

pull1D
Entries 70
Mean 0.006137
Std Dev 1.083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

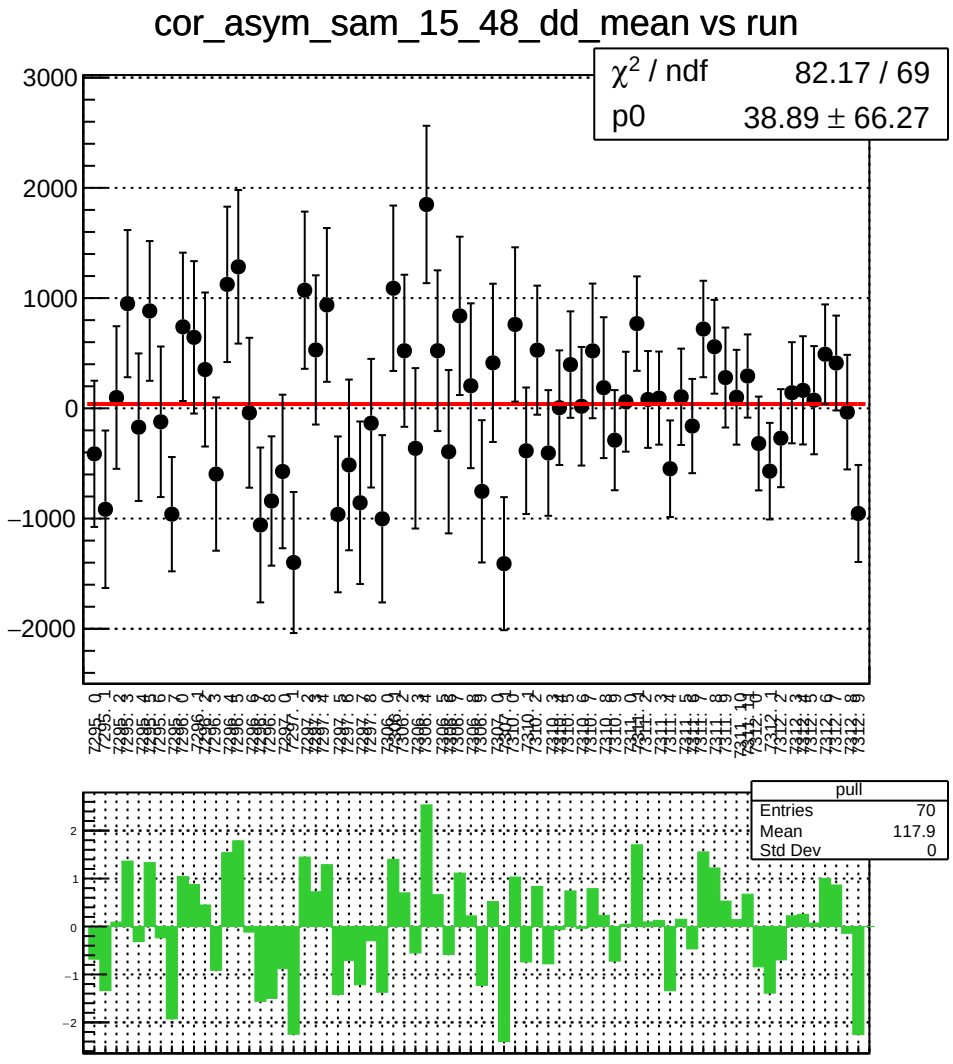

reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5.829e+04 / 69
p0 52.61 ± 0.04686
75
70
65
60
55
50
45
40

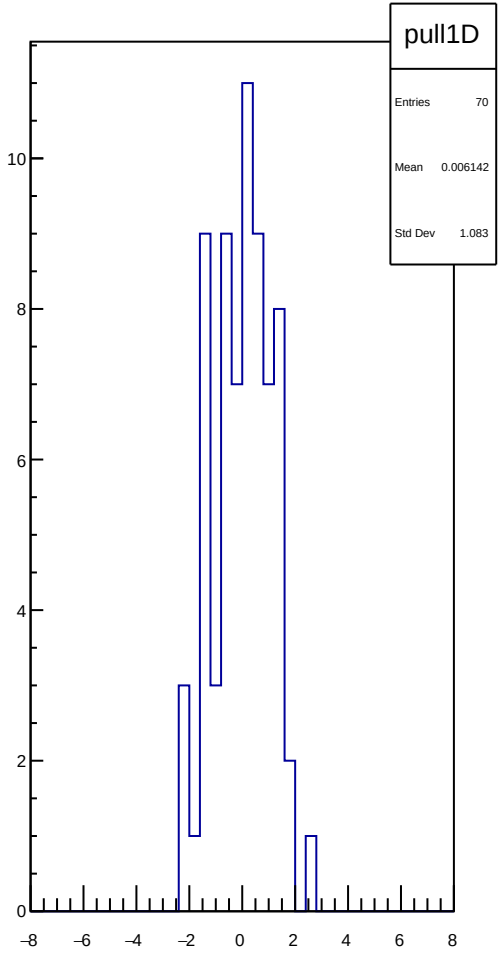
asym_sam_15_48_dd_reg_correction_mean vs run

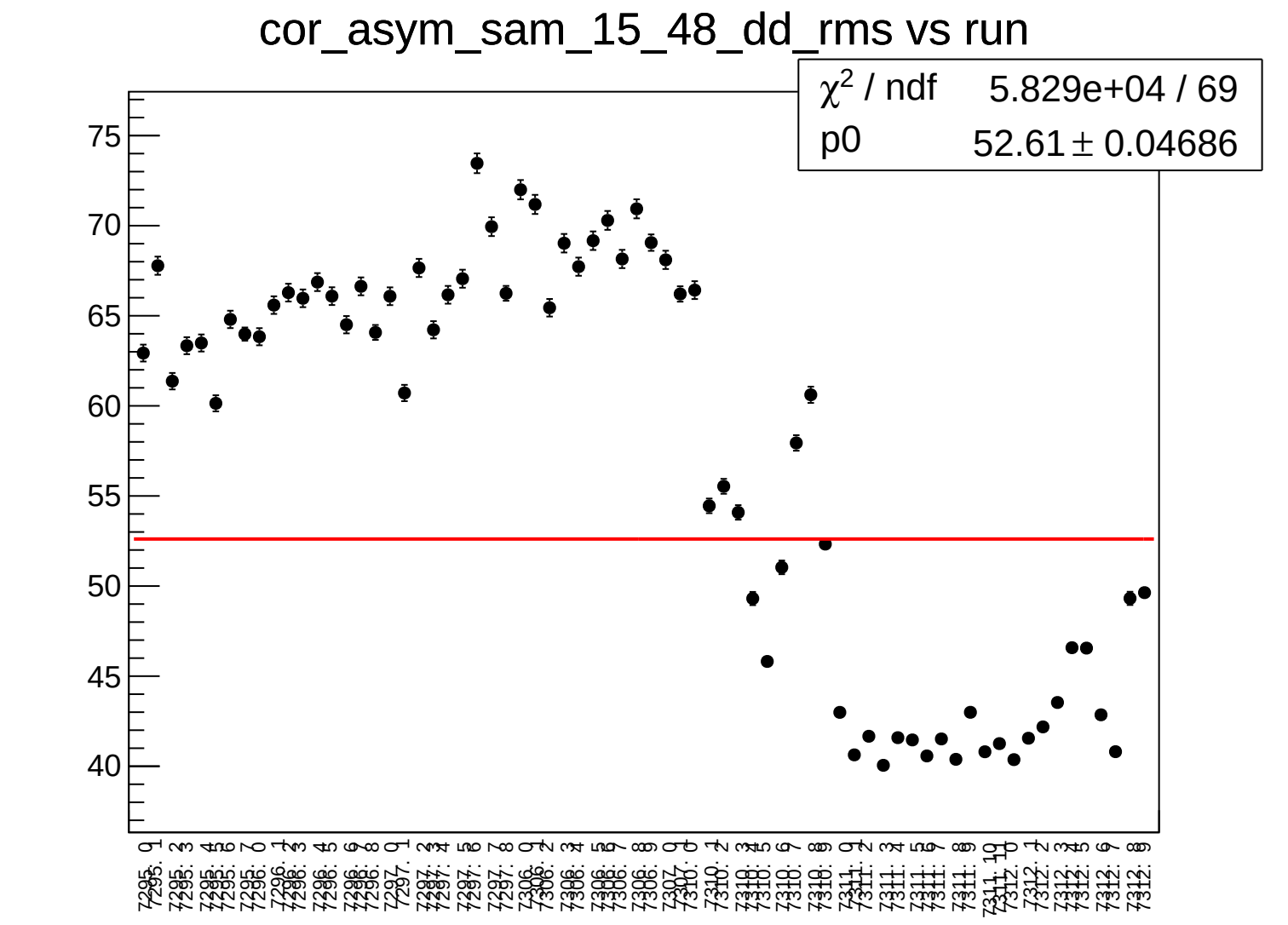


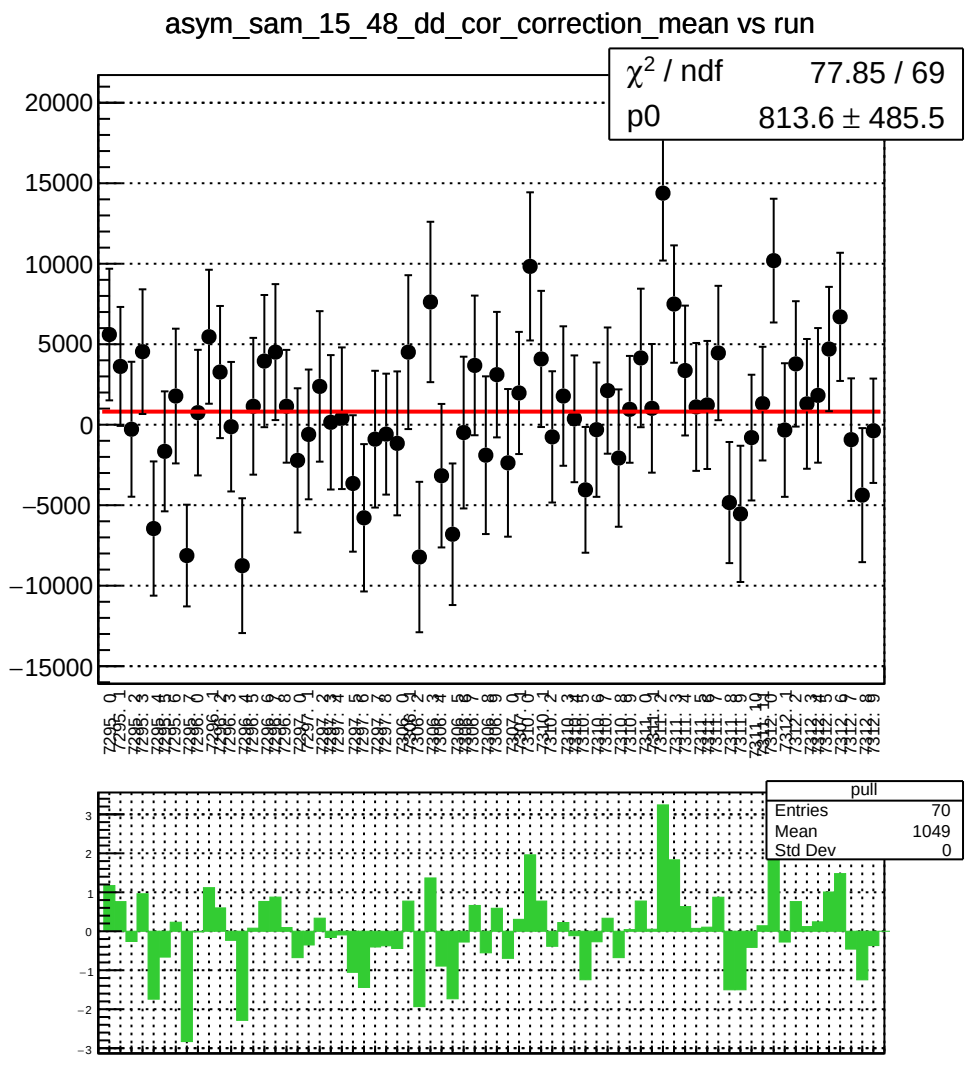


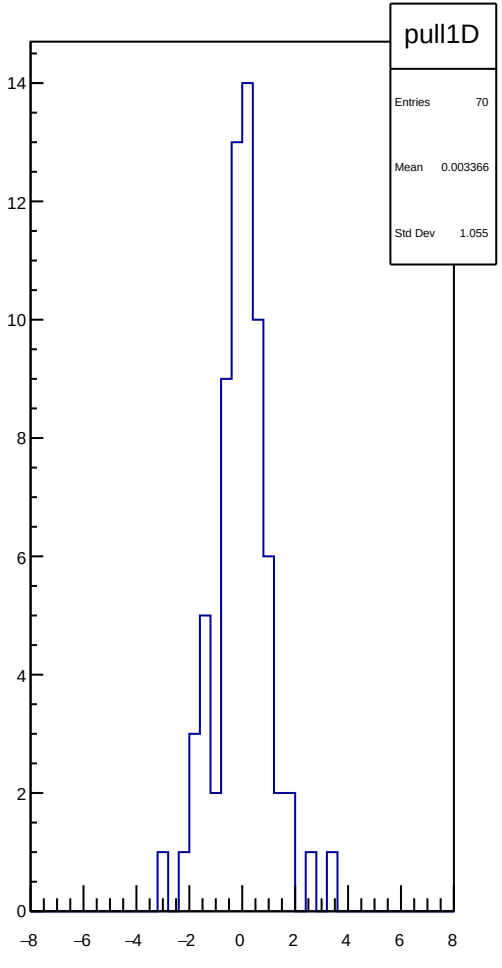

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 5593 / 69
p0 393.5 ± 0.3433
480
460
440
420
400
380
360
340

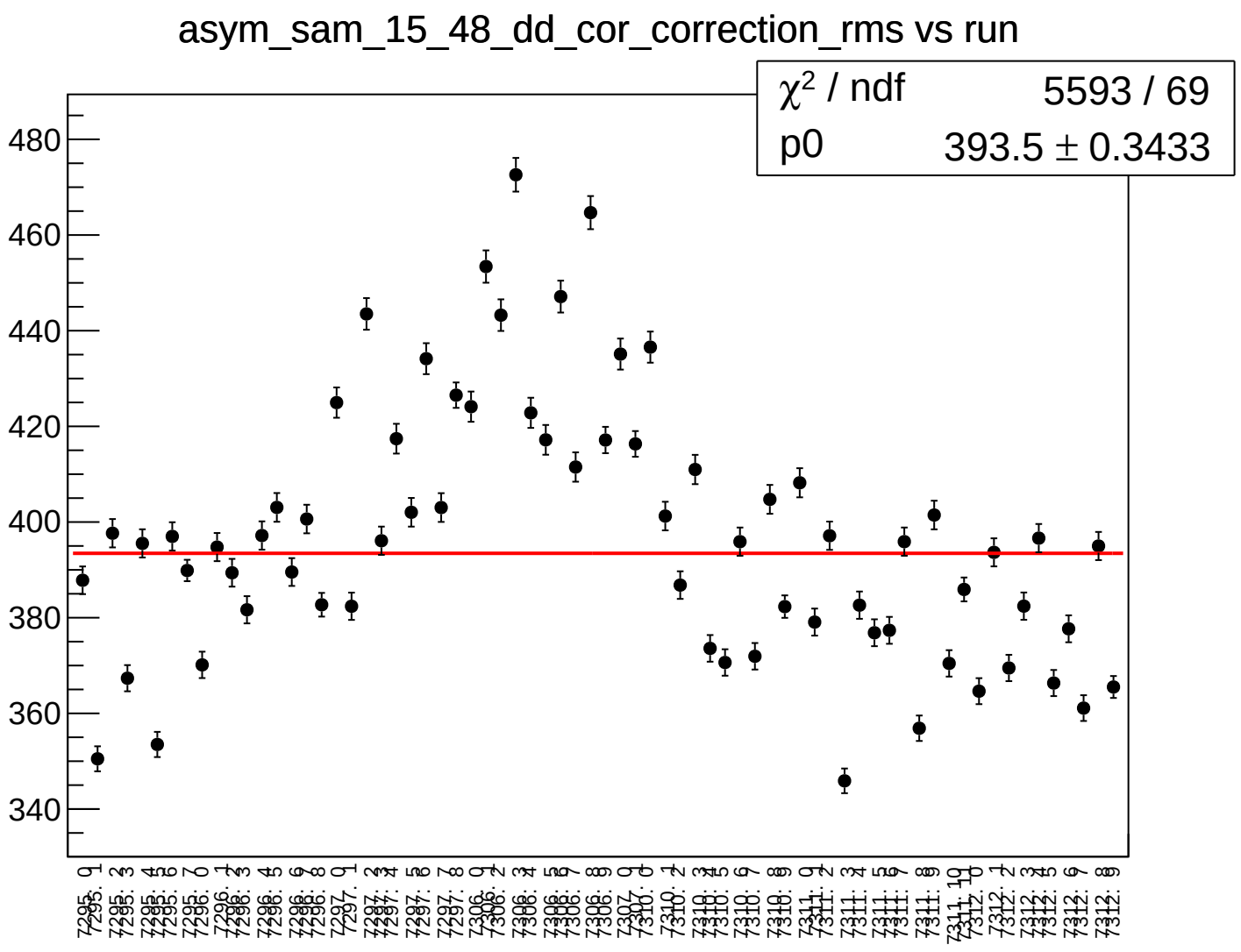

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.17 / 69
p0 38.89 ± 66.27
pull
Entries 70
Mean 117.9
Std Dev 0

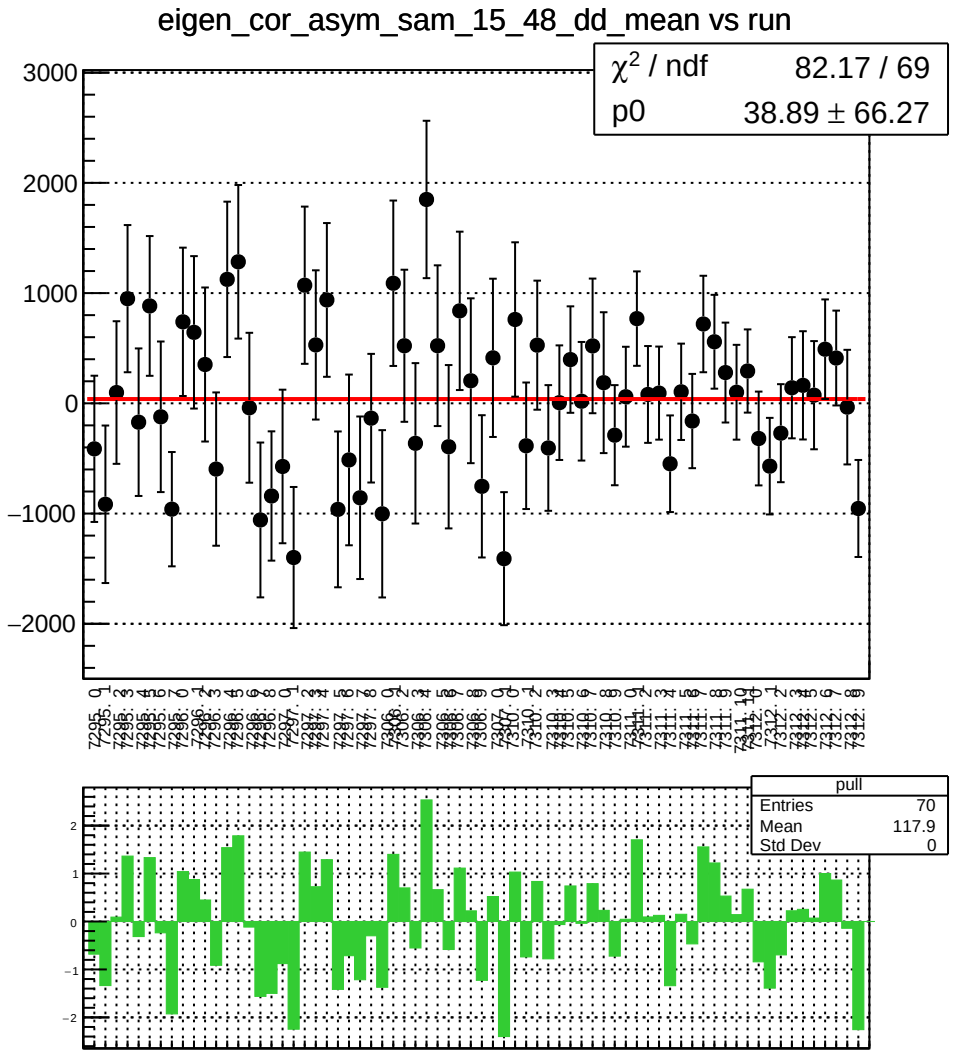

pull1D
Entries 70
Mean 0.006142
Std Dev 1.083

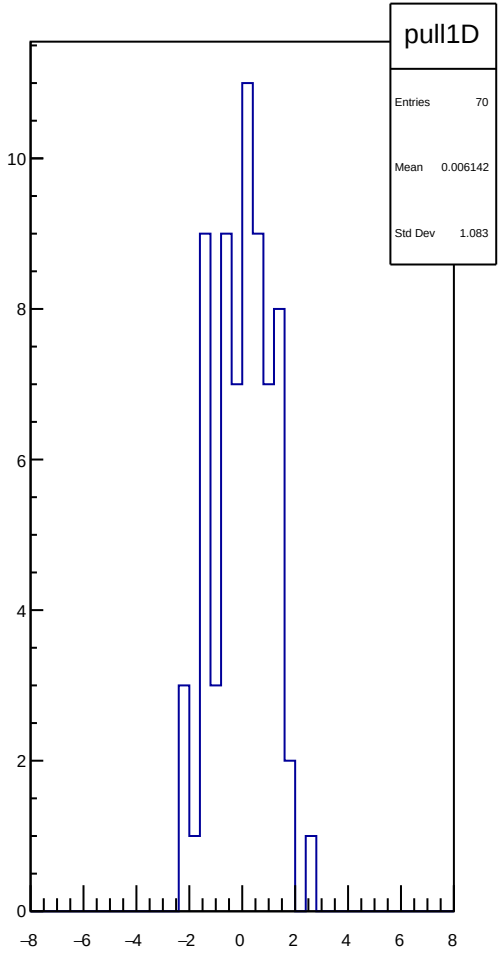

cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5.829e+04 / 69
p0 52.61 ± 0.04686
75
70
65
60
55
50
45
40

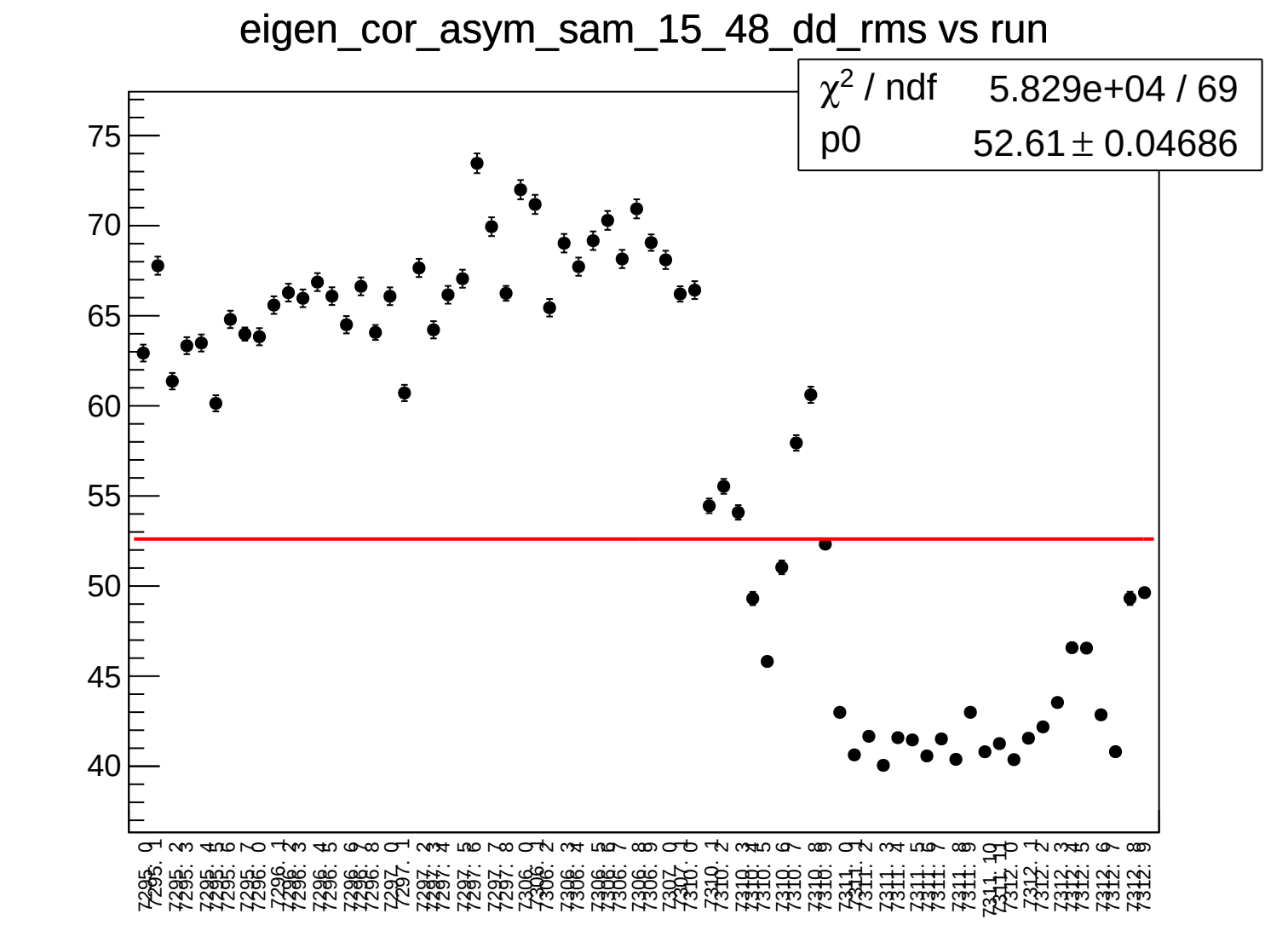

asym_sam_15_48_dd_cor_correction_mean vs run
χ^2 / ndf 77.85 / 69
p0 813.6 ± 485.5
pull
Entries 70
Mean 1049
Std Dev 0

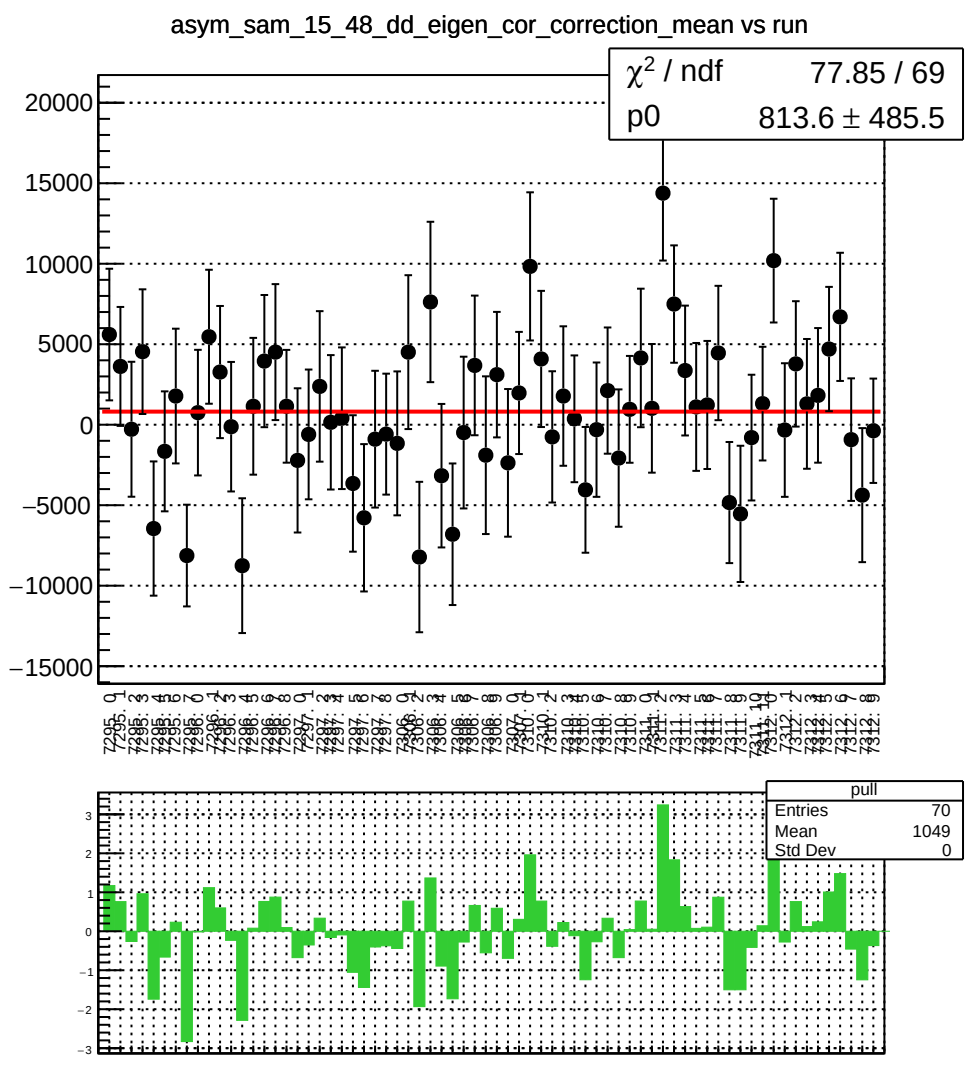

pull1D
Entries 70
Mean 0.003366
Std Dev 1.055

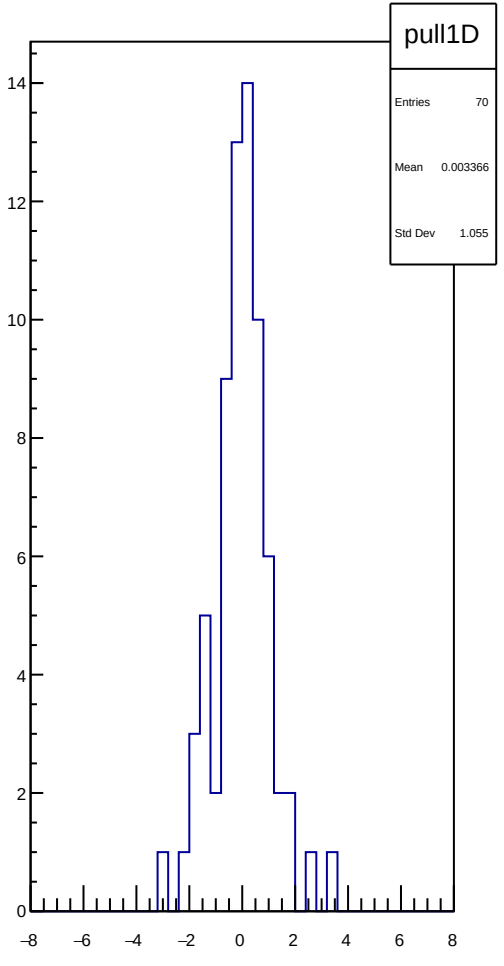

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 5593 / 69
p0 393.5 ± 0.3433
480
460
440
420
400
380
360
340

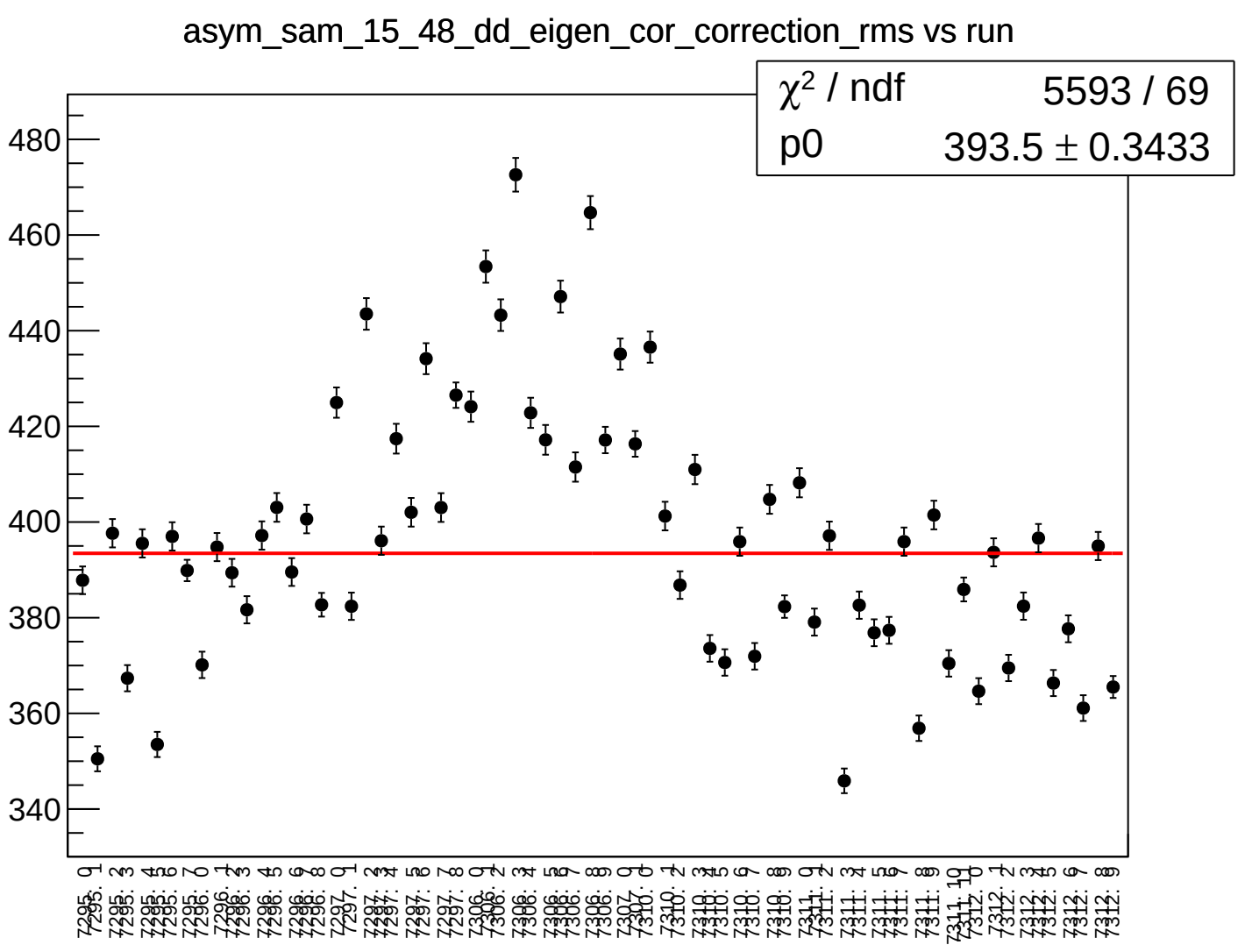

eigen_cor_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 82.17 / 69
p0 38.89 ± 66.27
pull
Entries 70
Mean 117.9
Std Dev 0

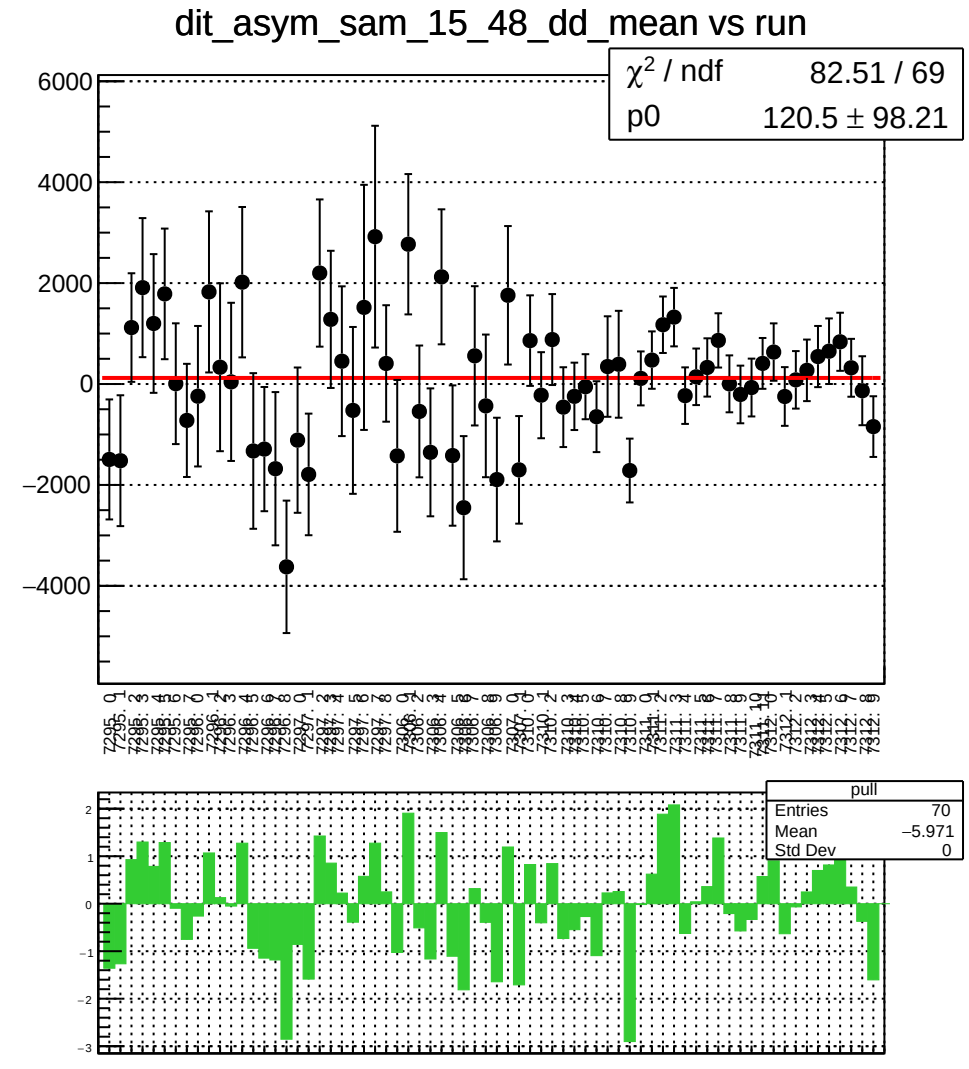

pull1D
Entries 70
Mean 0.006142
Std Dev 1.083

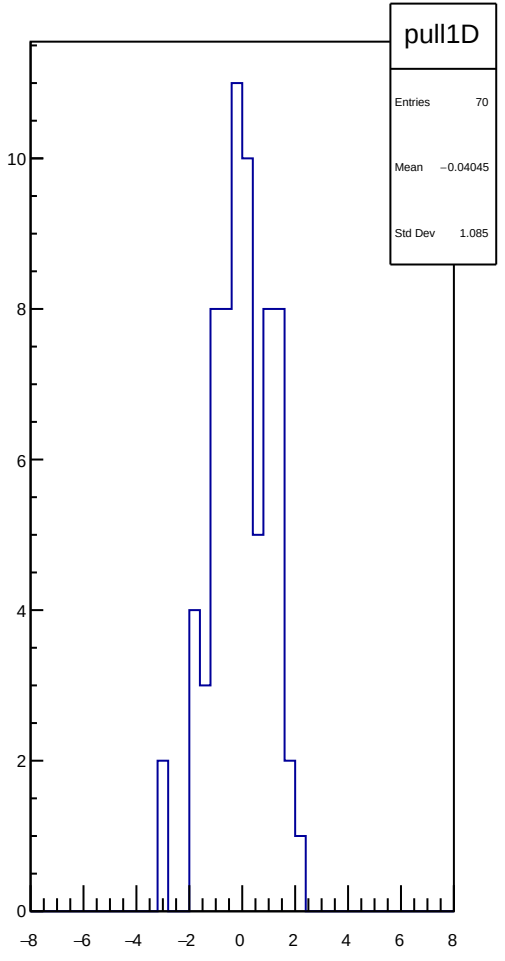

eigen_cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5.829e+04 / 69
p0 52.61 ± 0.04686
75
70
65
60
55
50
45
40

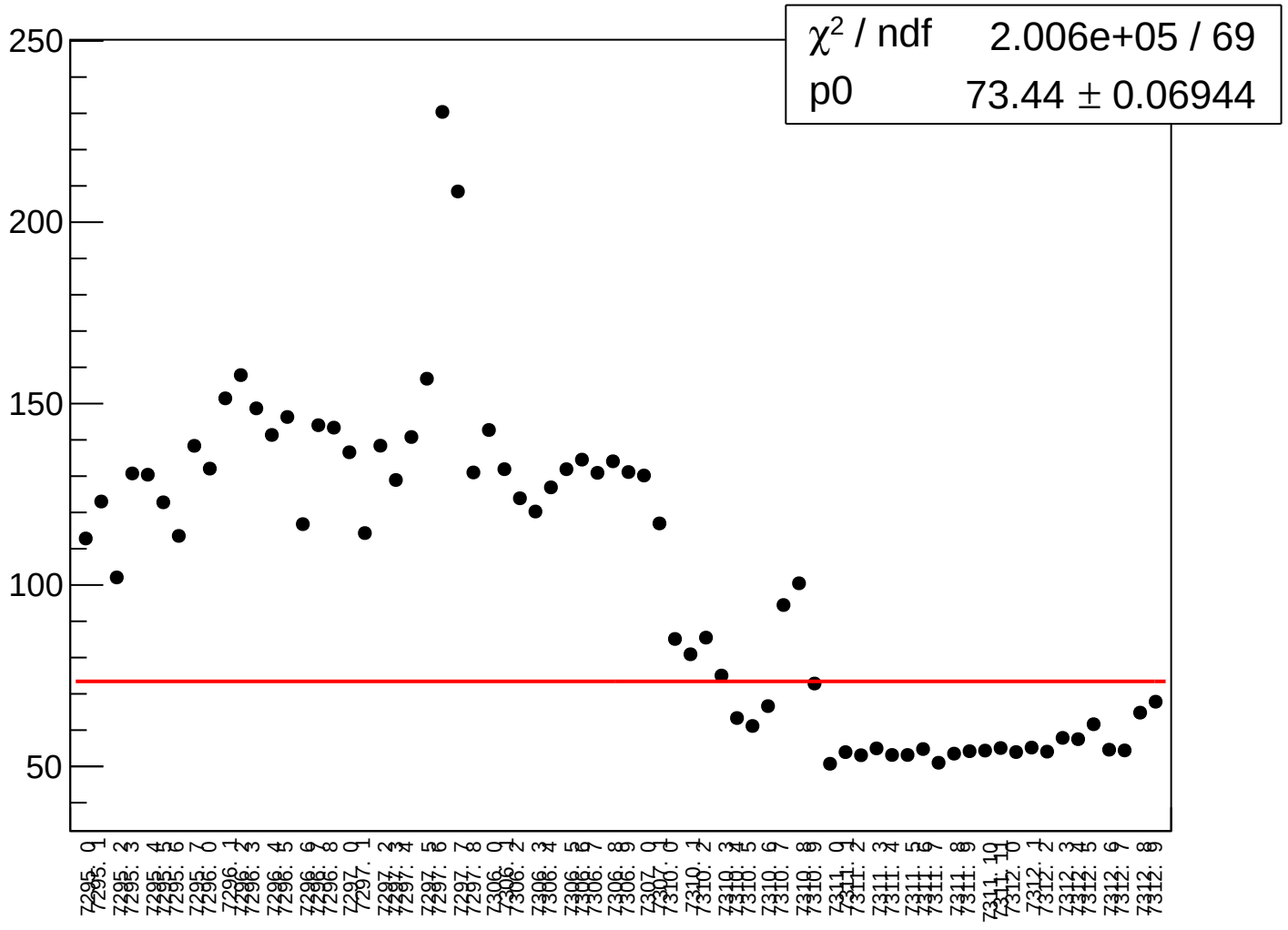

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.85 / 69
p0 813.6 ± 485.5
pull
Entries 70
Mean 1049
Std Dev 0

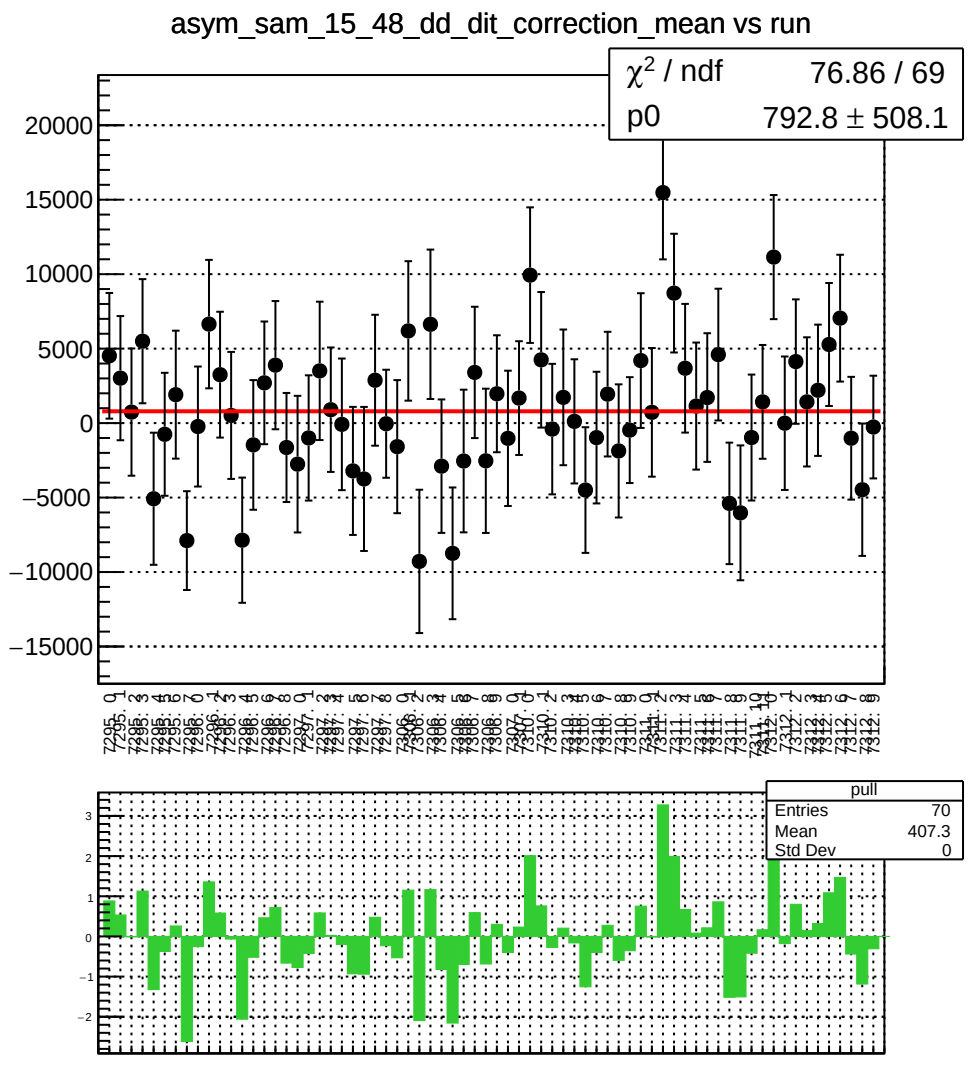

pull1D
Entries 70
Mean 0.003366
Std Dev 1.055

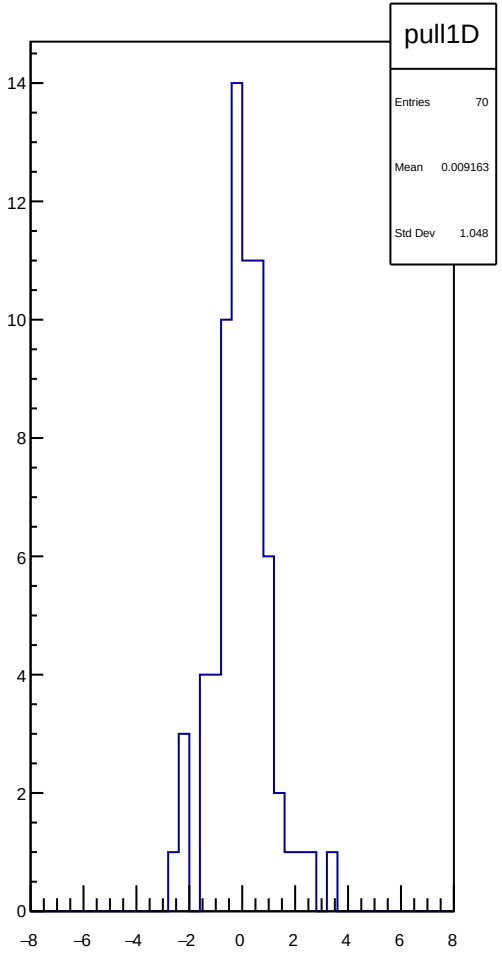

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5593 / 69
p0 393.5 ± 0.3433
480
460
440
420
400
380
360
340

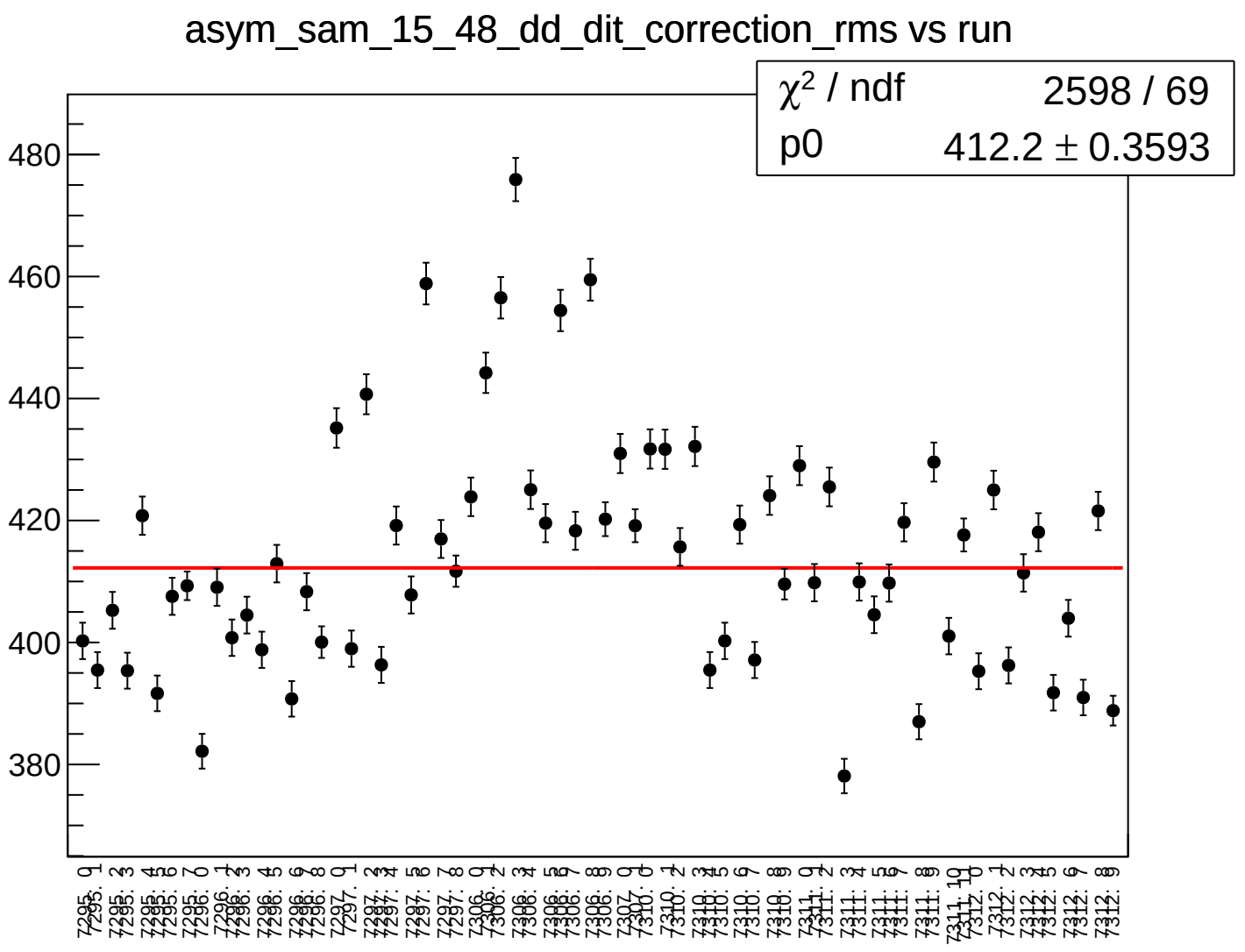

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.51 / 69
p0 120.5 ± 98.21
pull
Entries 70
Mean −5.971
Std Dev 0

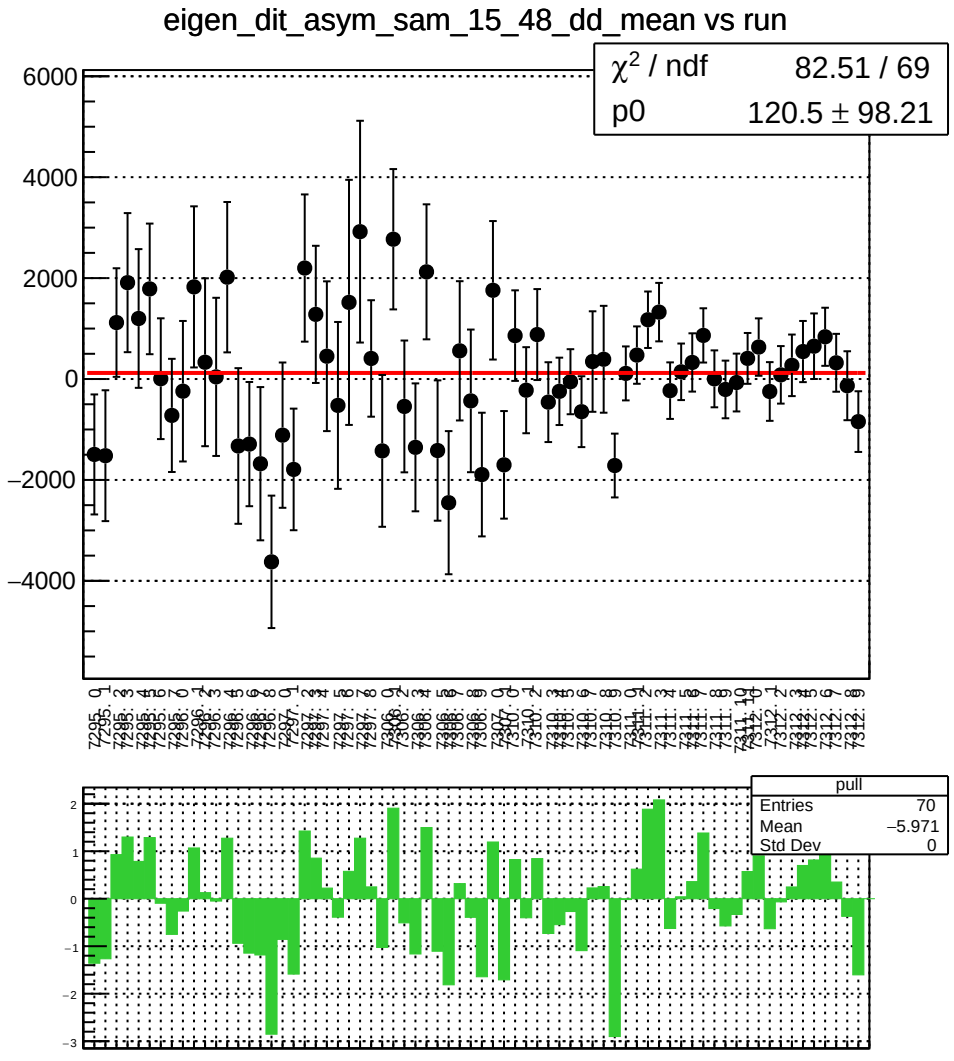

pull1D
Entries 70
Mean −0.04045
Std Dev 1.085

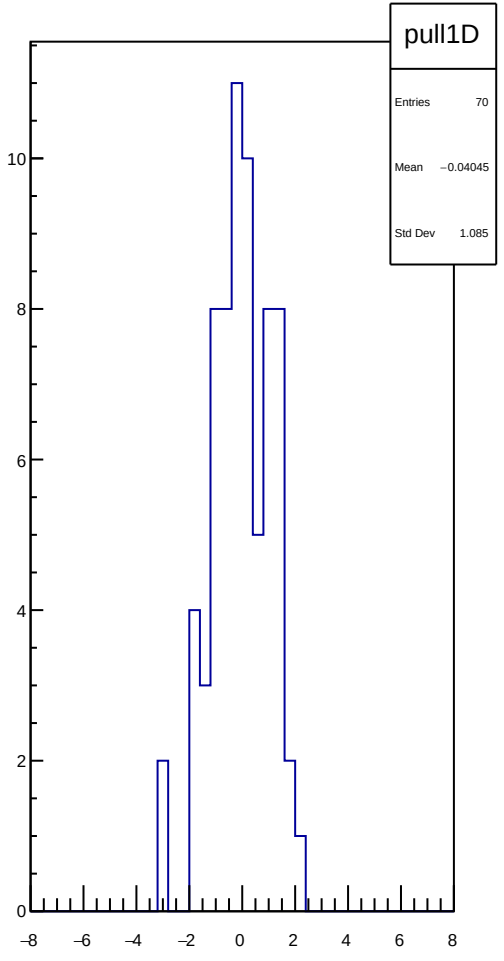

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.006e+05 / 69
p0 73.44 ± 0.06944
250
200
150
100
50

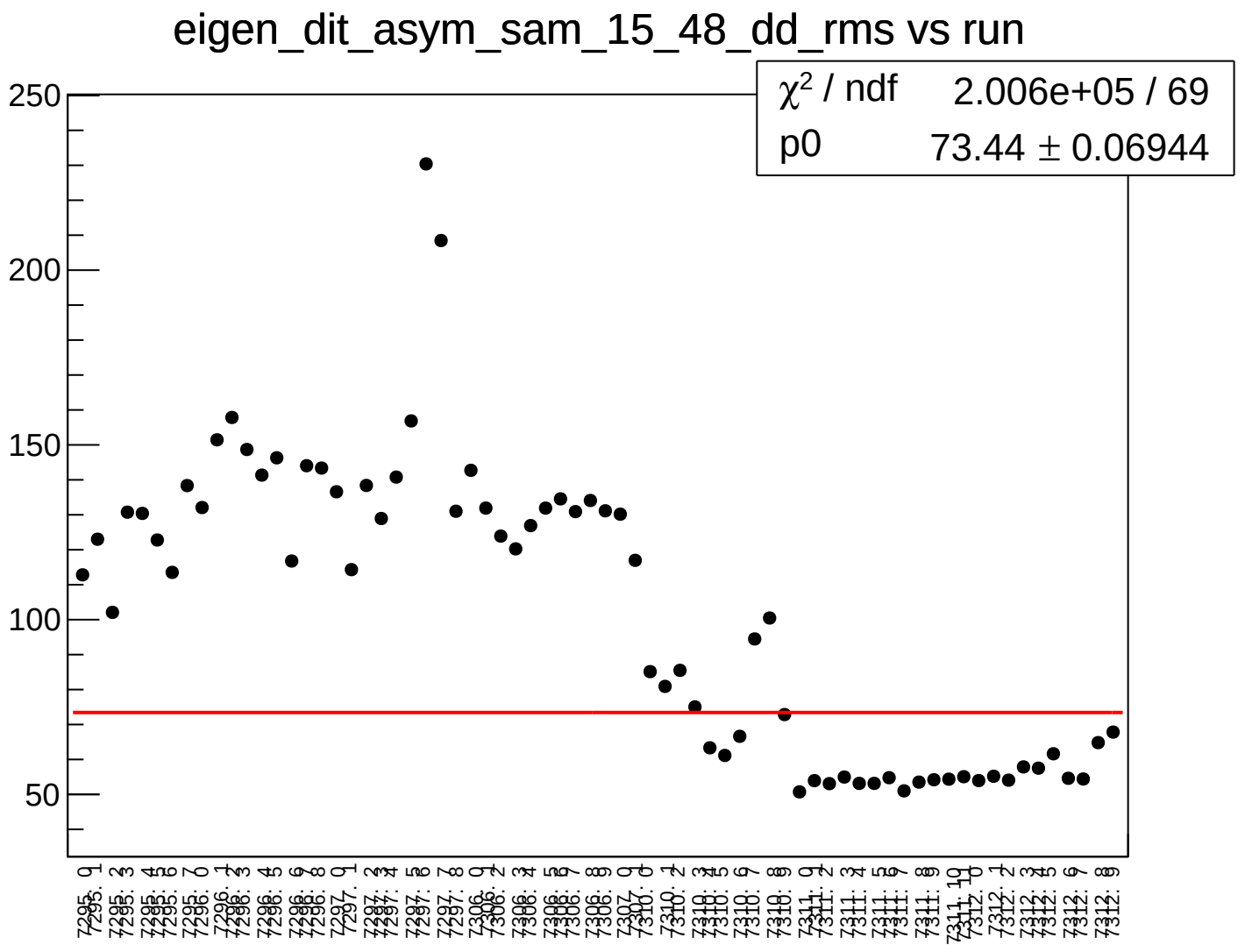

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 76.86 / 69
p0 792.8 ± 508.1
pull
Entries 70
Mean 407.3
Std Dev 0

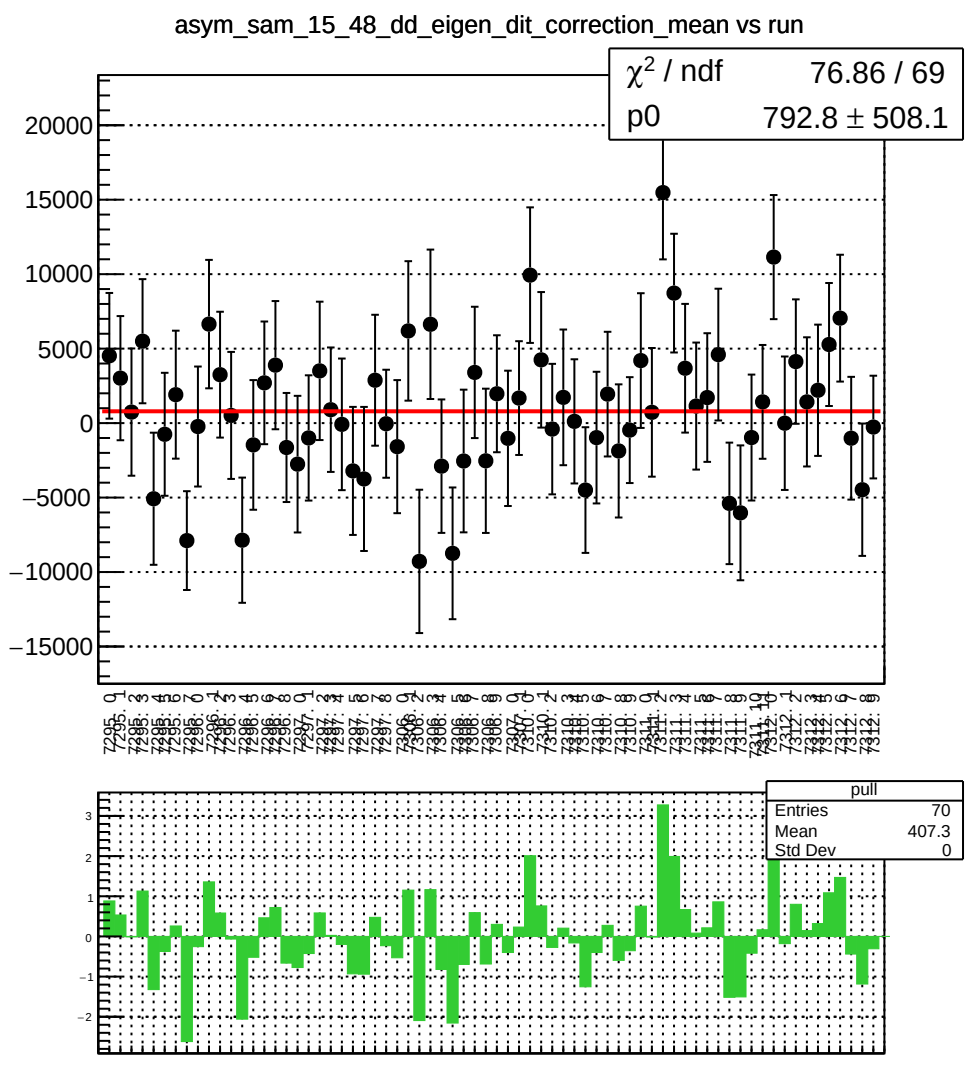

pull1D
Entries 70
Mean 0.009163
Std Dev 1.048

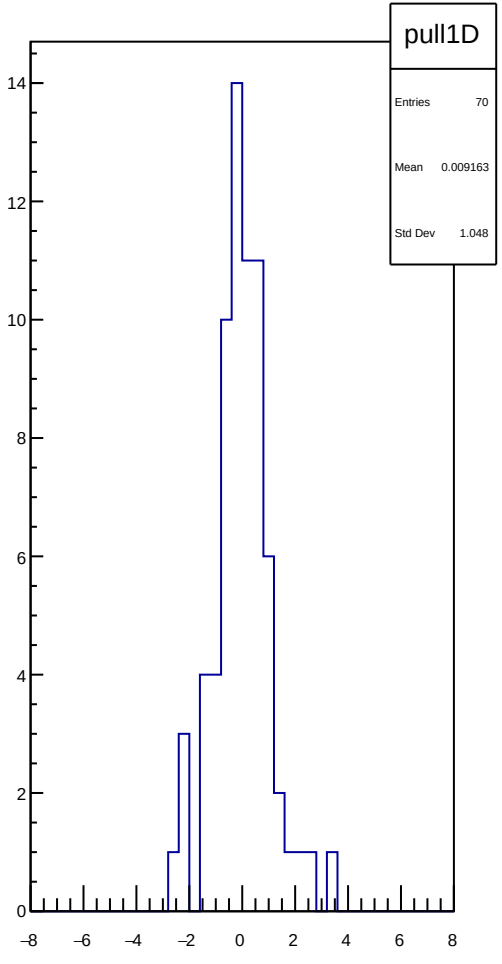

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2598 / 69
p0 412.2 ± 0.3593
480
460
440
420
400
380

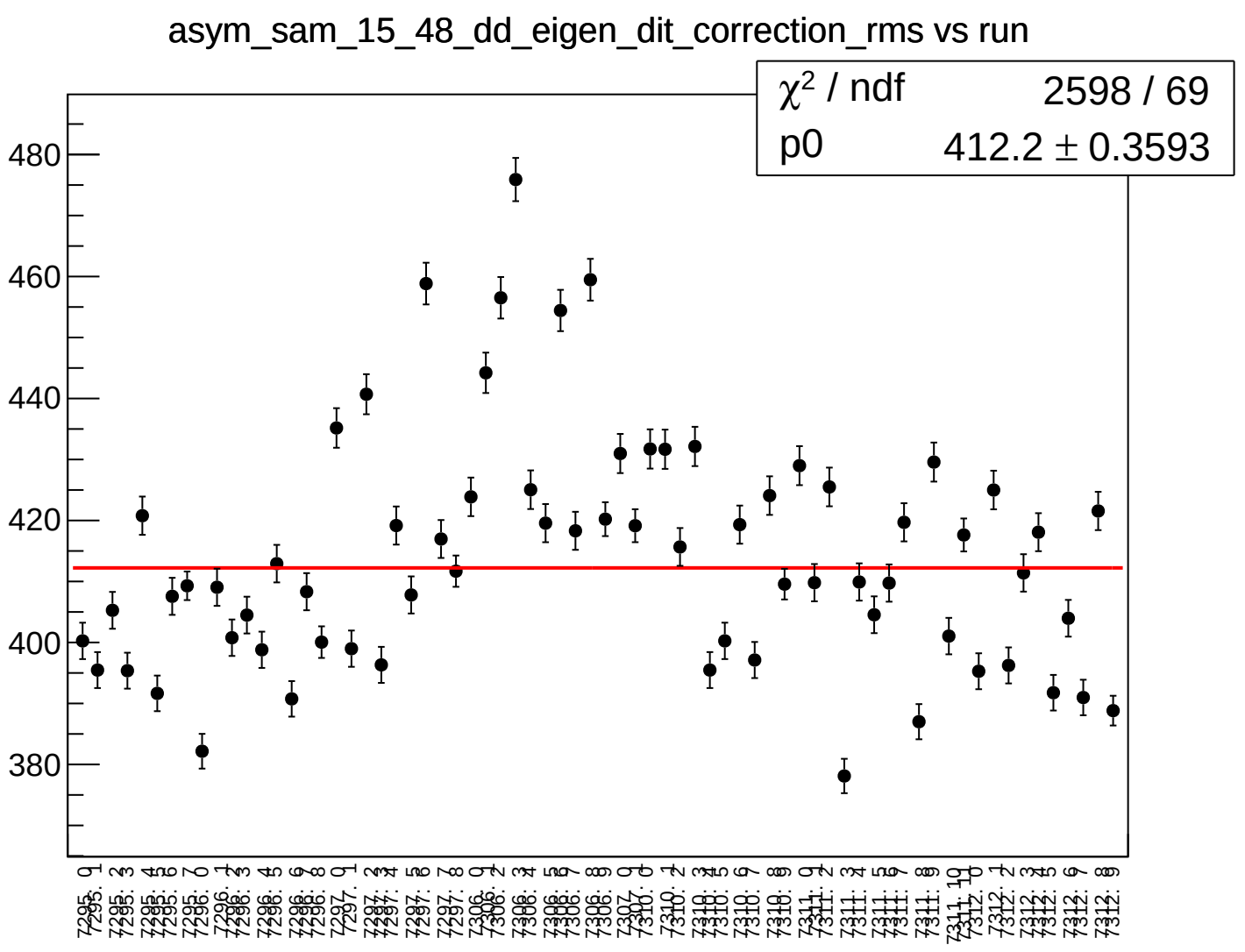

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.51 / 69
p0 120.5 ± 98.21
pull
Entries 70
Mean −5.971
Std Dev 0

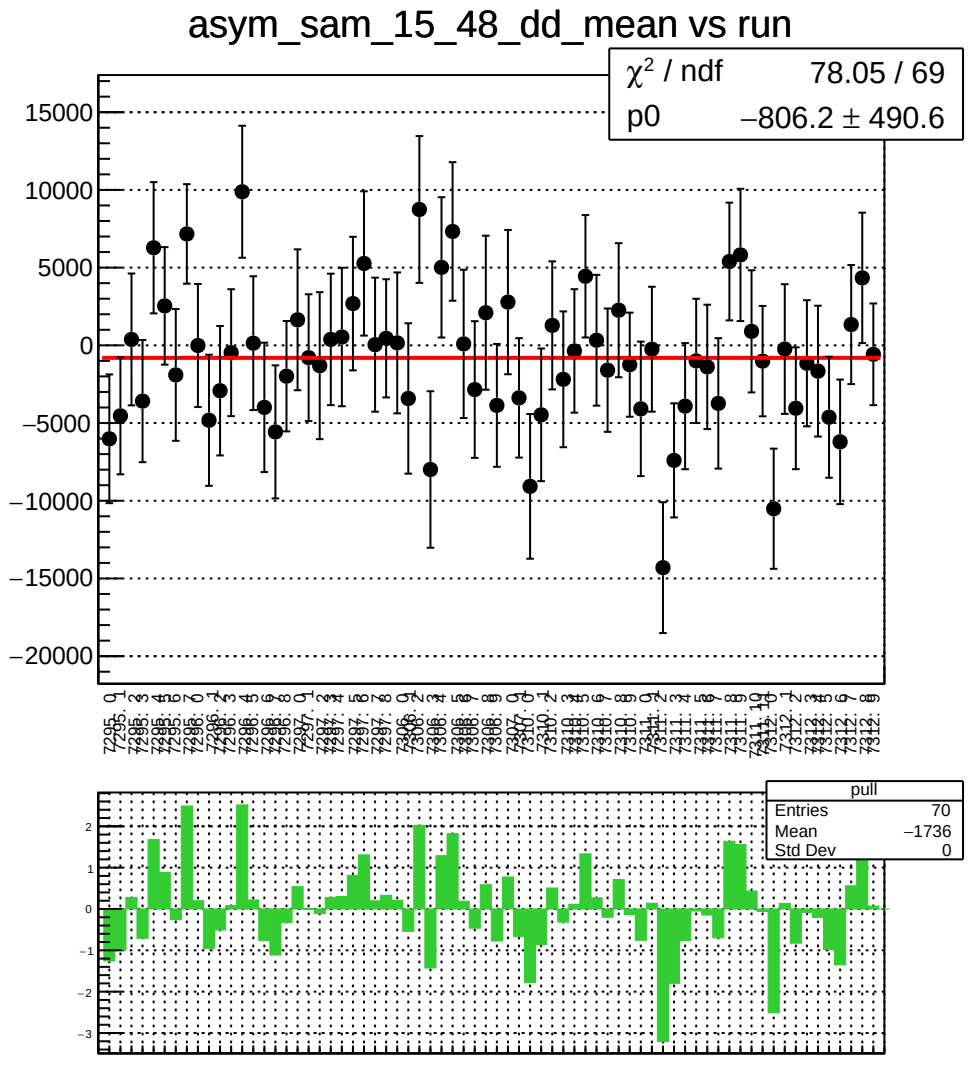

pull1D
Entries 70
Mean −0.04045
Std Dev 1.085

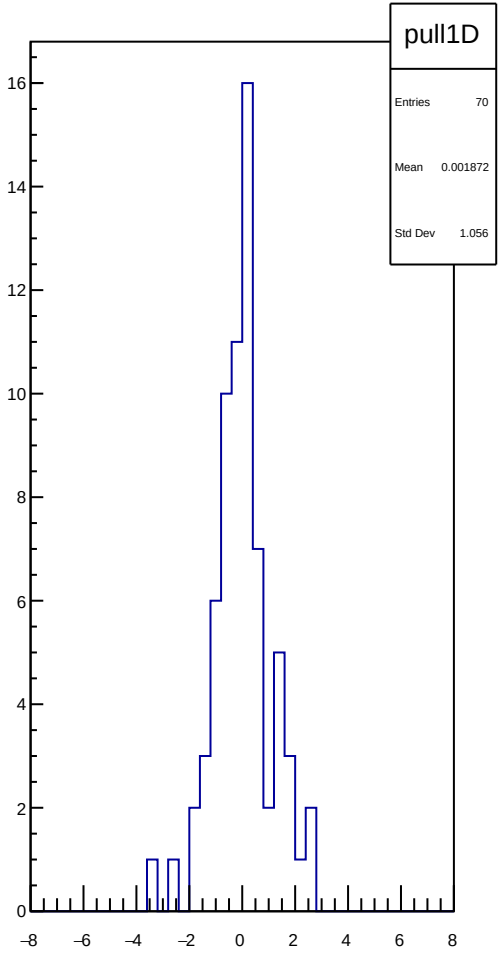

eigen_dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.006e+05 / 69
p0 73.44 ± 0.06944
250
200
150
100
50

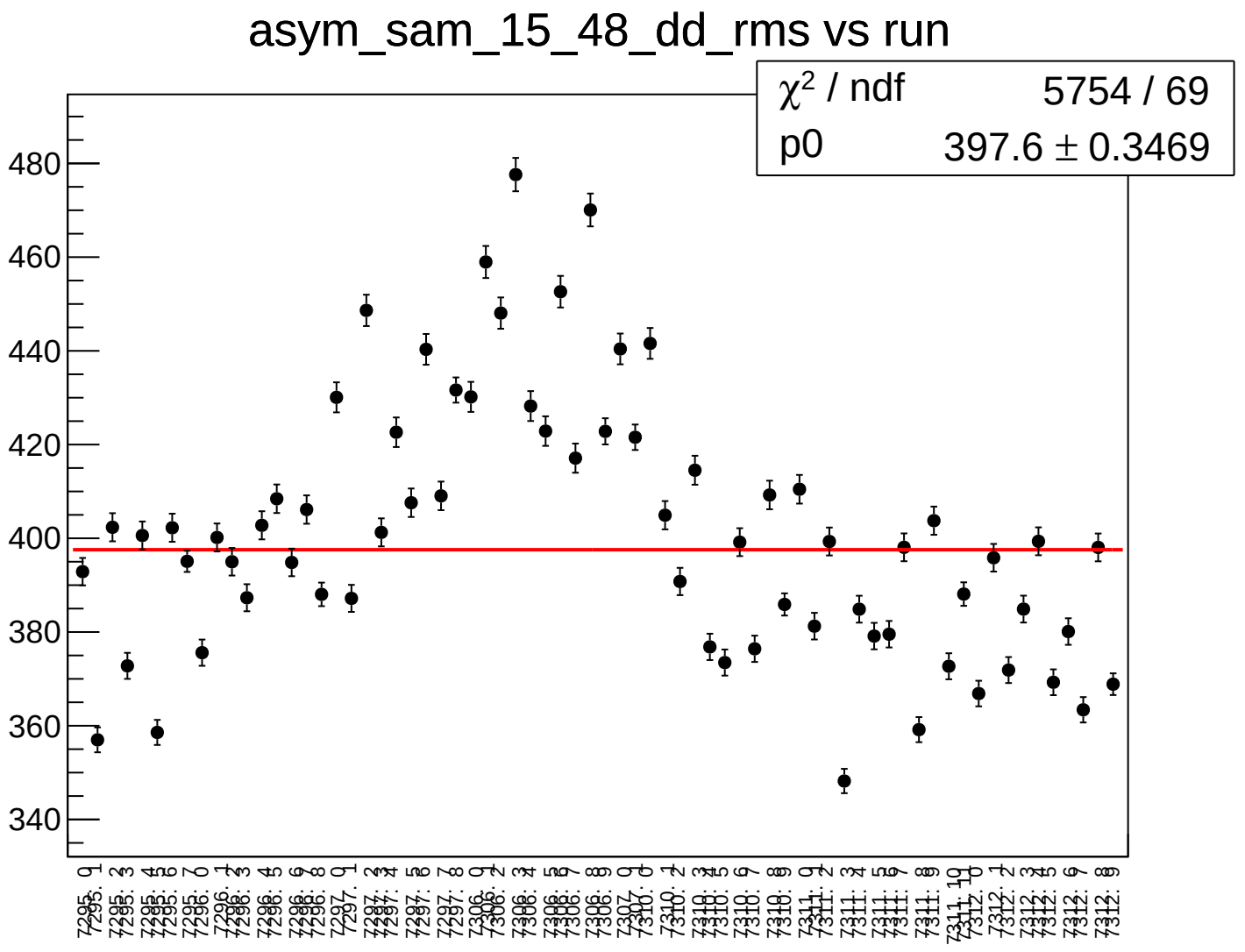

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.86 / 69
p0 792.8 ± 508.1
pull
Entries 70
Mean 407.3
Std Dev 0

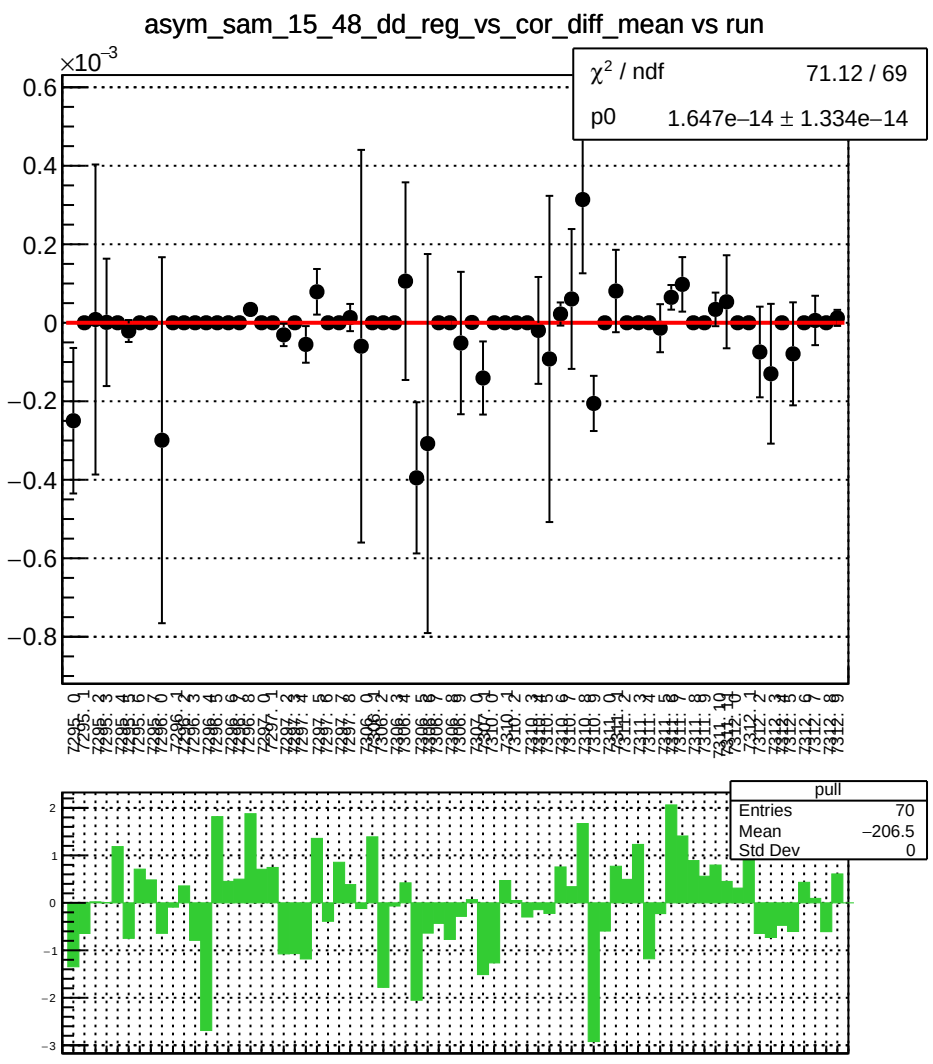

pull1D
Entries 70
Mean 0.009163
Std Dev 1.048

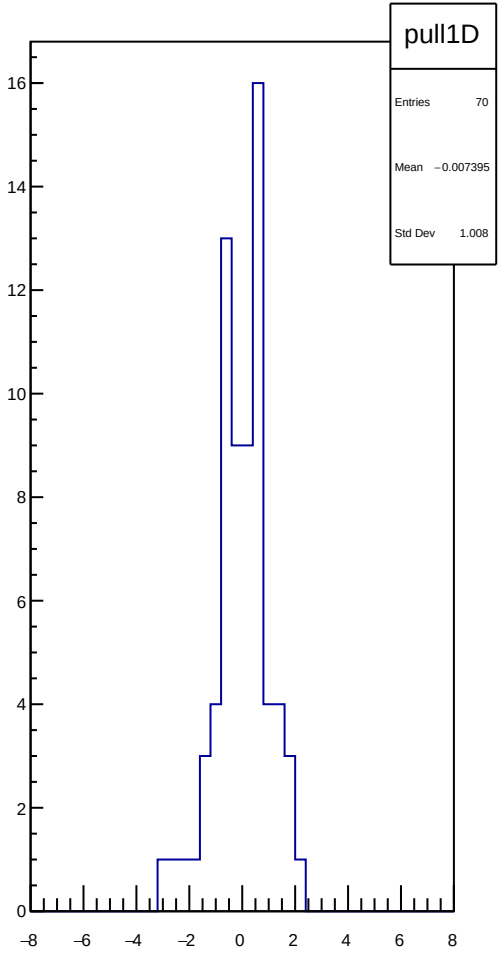

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2598 / 69
p0 412.2 ± 0.3593
480
460
440
420
400
380

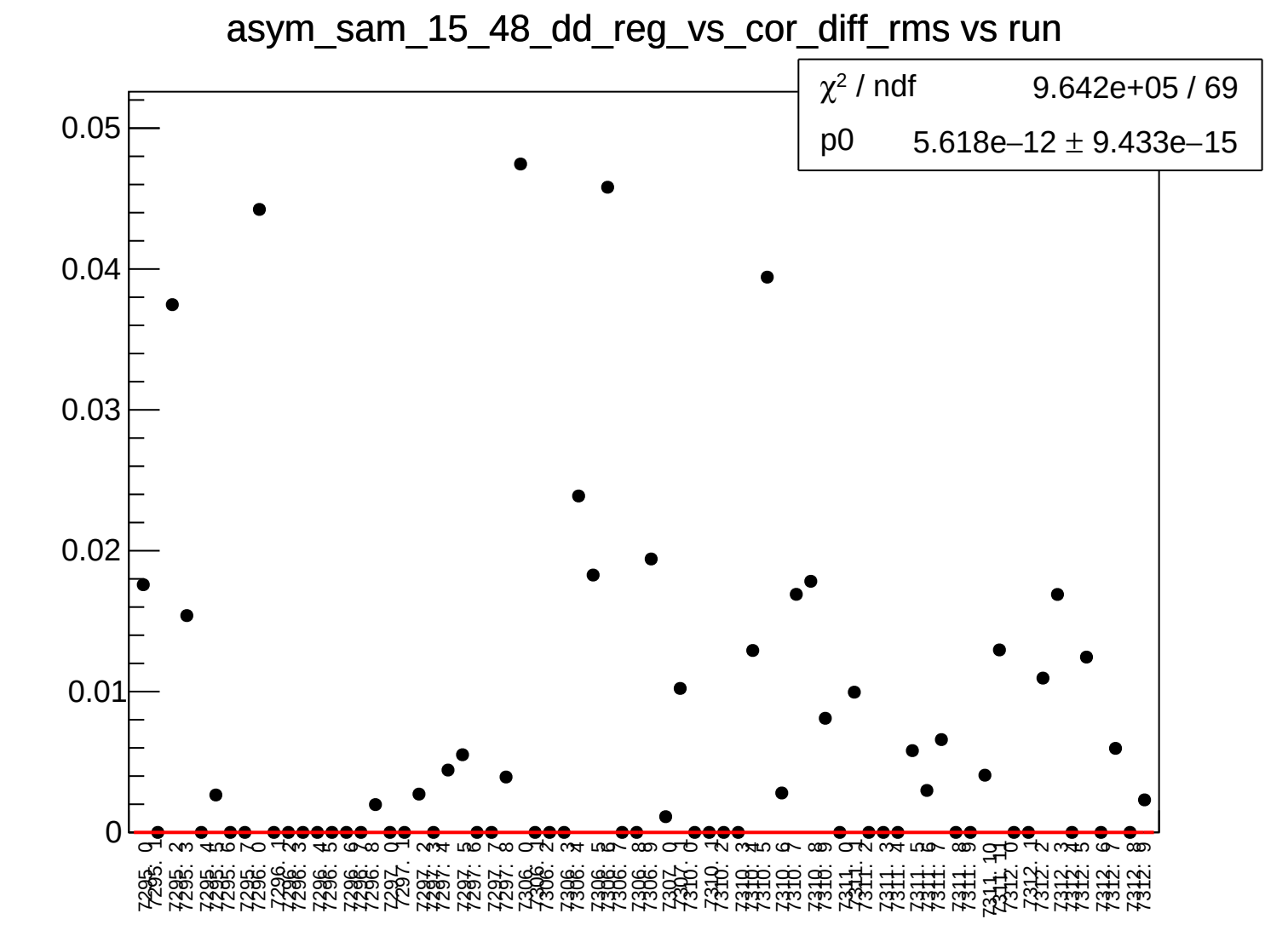

asym_sam_15_48_dd_mean vs run
χ² / ndf 78.05 / 69
p0 −806.2 ± 490.6
pull
Entries 70
Mean −1736
Std Dev 0

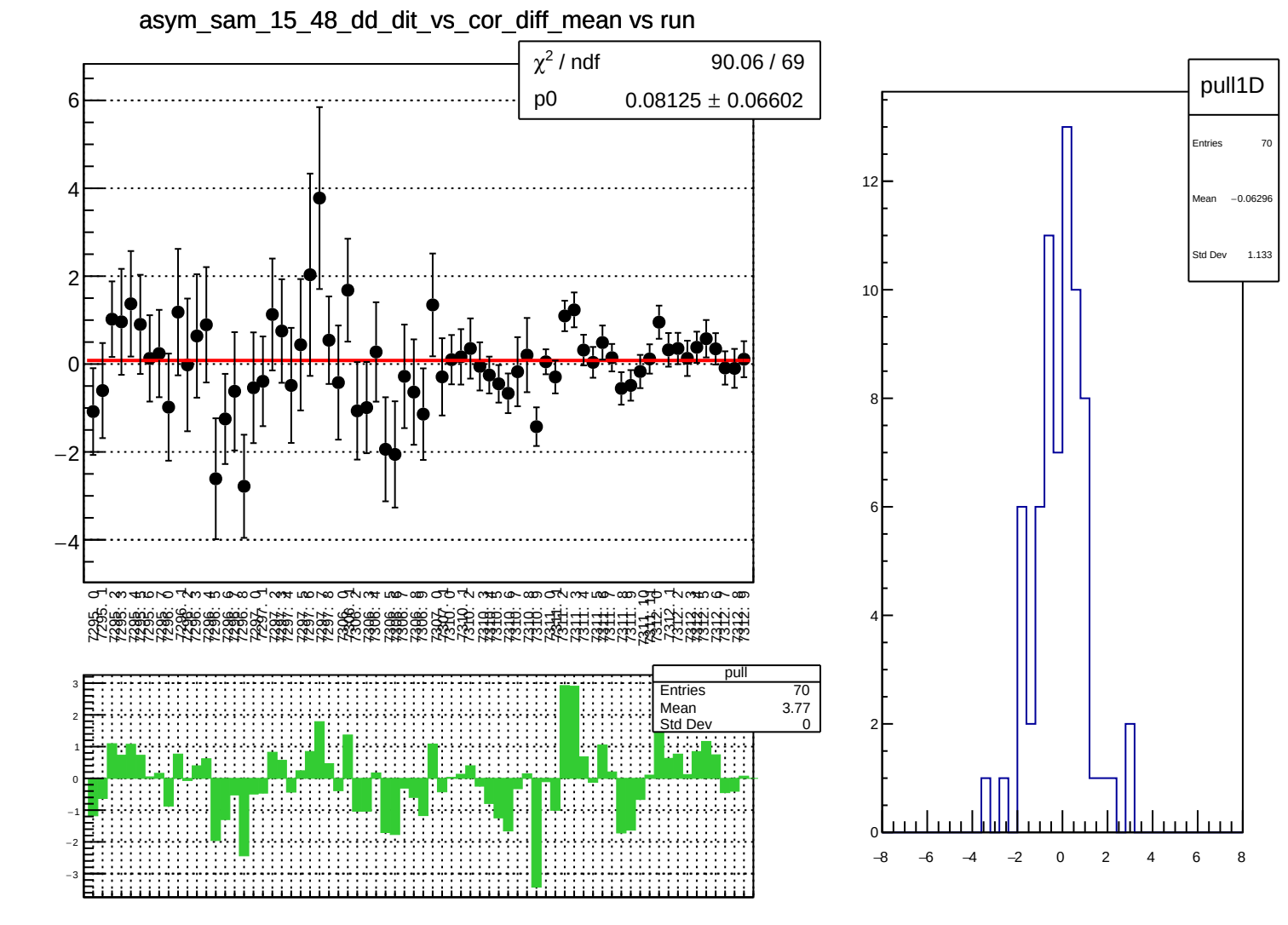

pull1D
Entries 70
Mean 0.001872
Std Dev 1.056

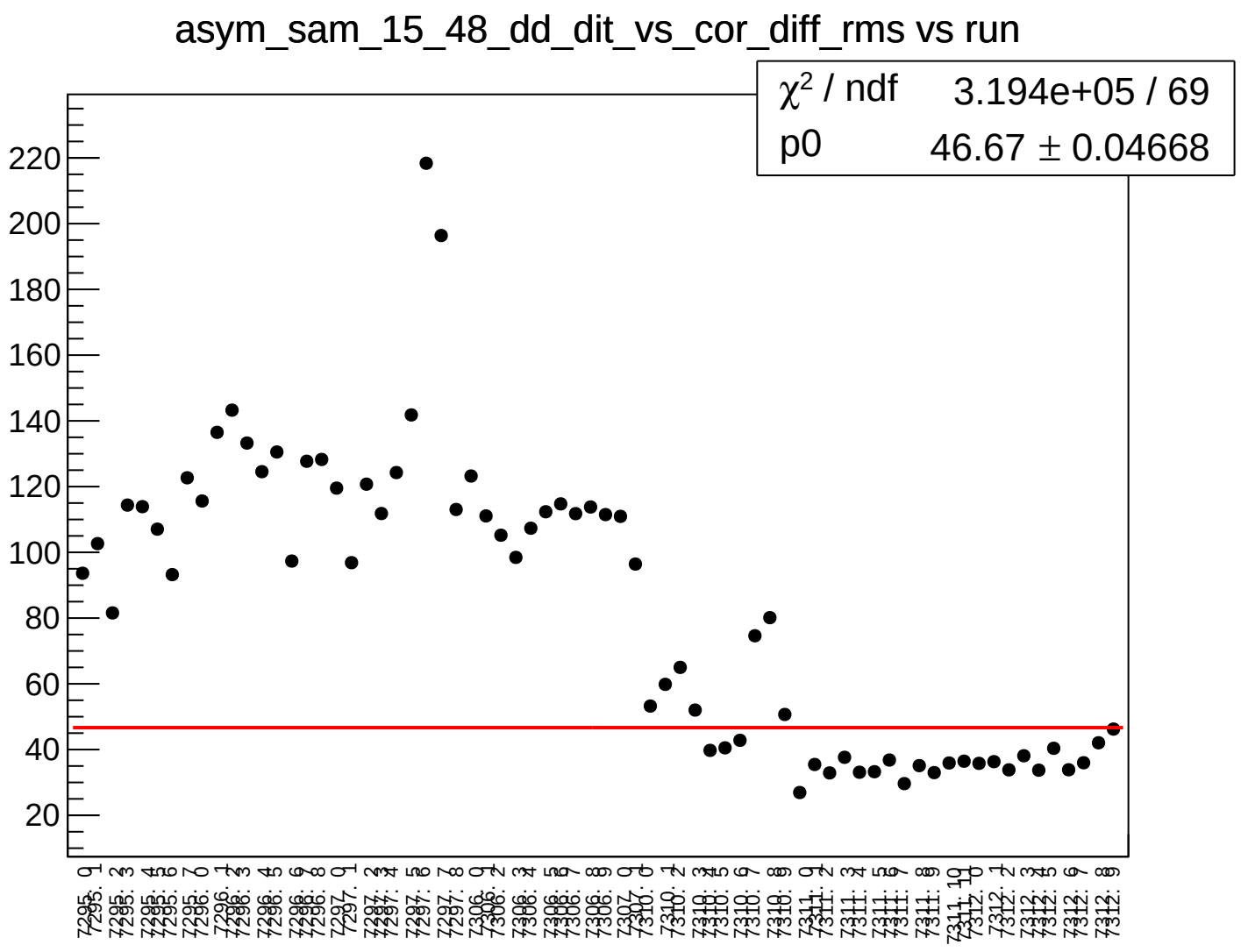

asym_sam_15_48_dd_rms vs run
χ² / ndf 5754 / 69
p0 397.6 ± 0.3469
480
460
440
420
400
380
360
340

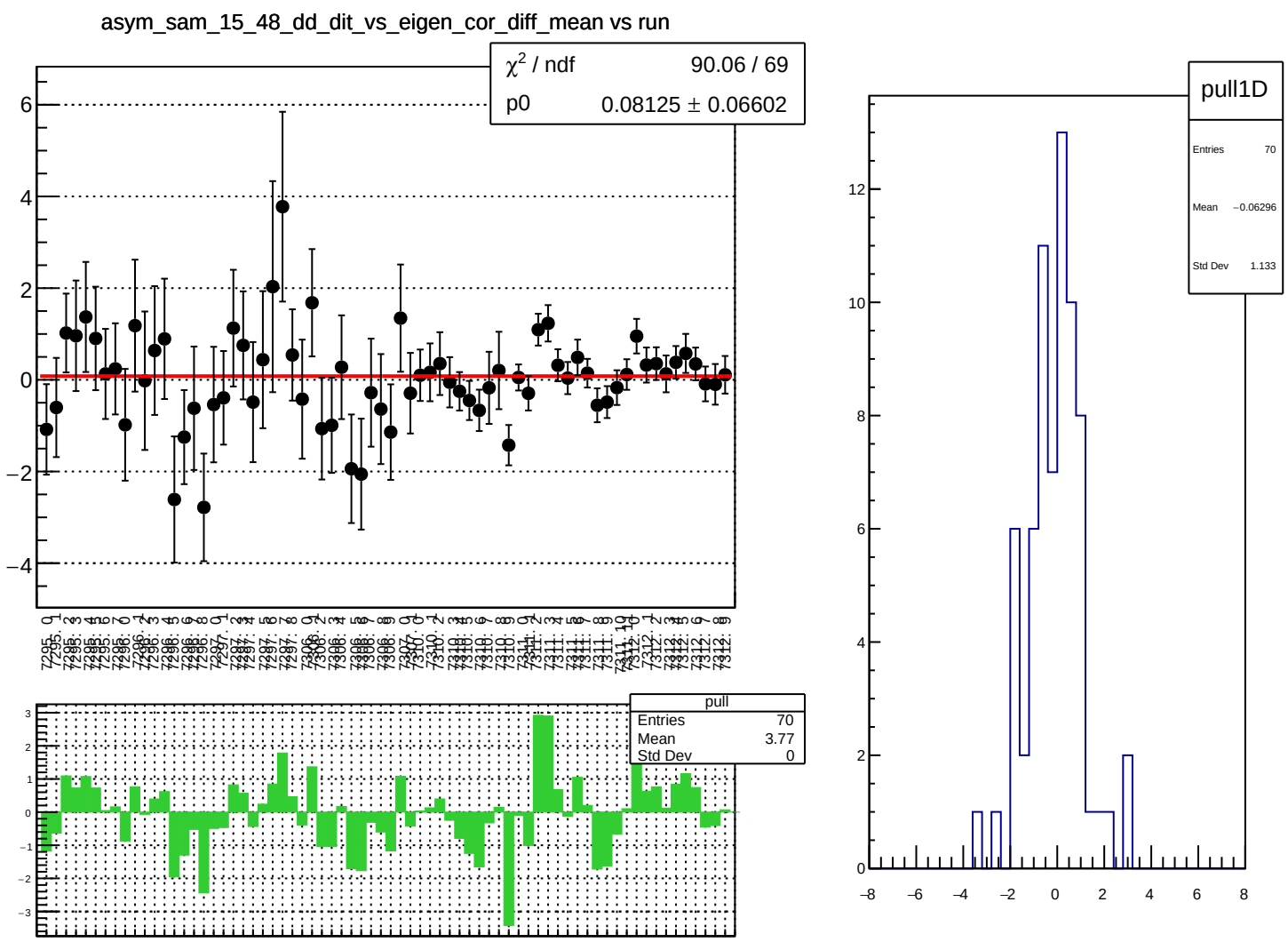

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 71.12 / 69
p0 1.647e−14 ± 1.334e−14
pull
Entries 70
Mean −206.5
Std Dev 0

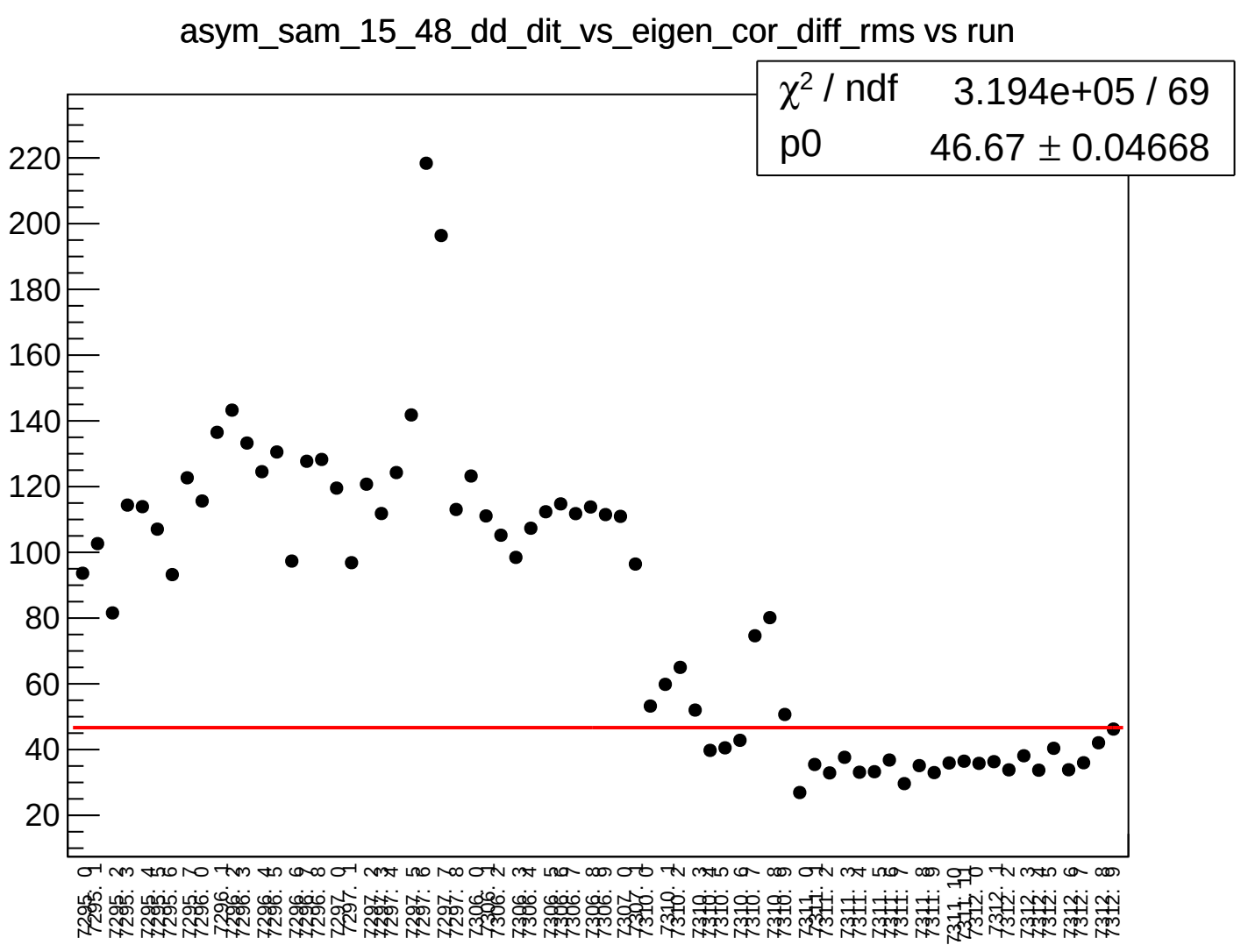

pull1D
Entries 70
Mean −0.007395
Std Dev 1.008

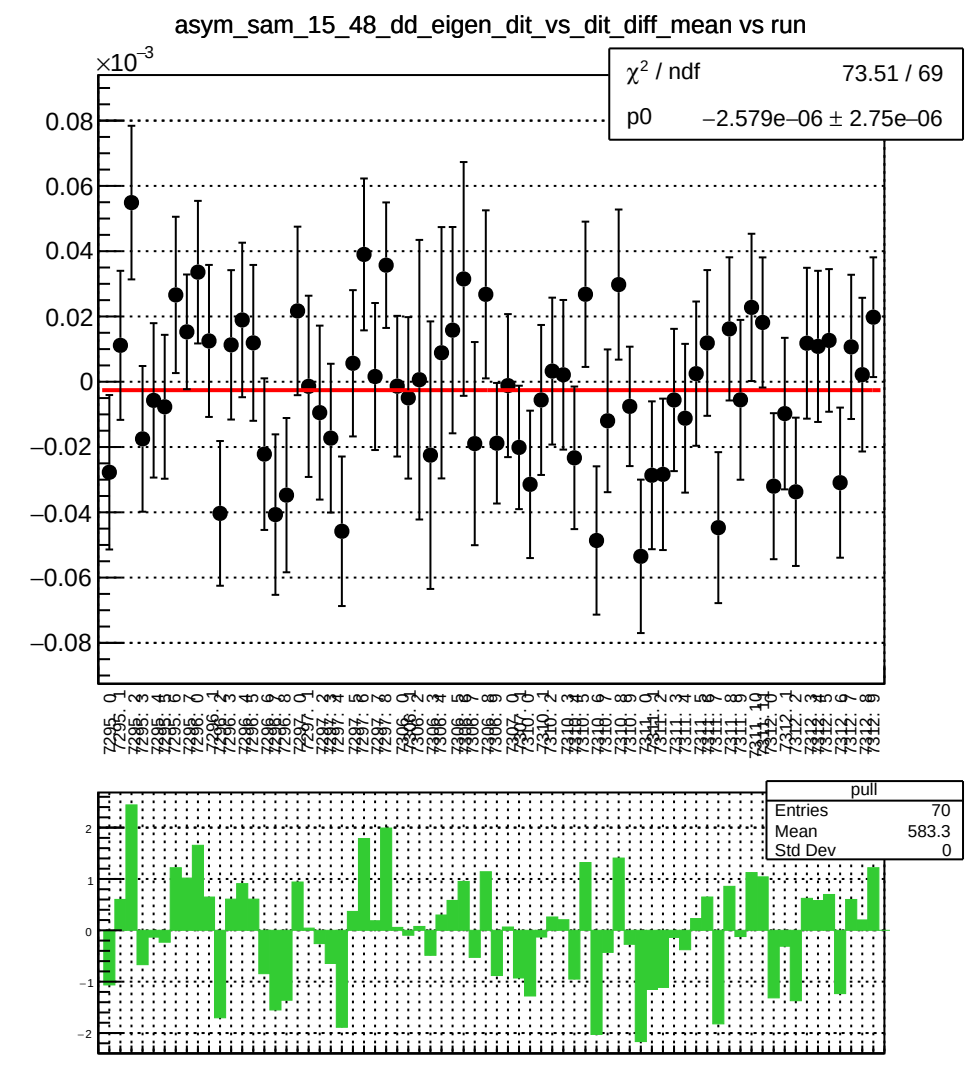

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.642e+05 / 69
p0 5.618e−12 ± 9.433e−15
0.05
0.04
0.03
0.02
0.01
0

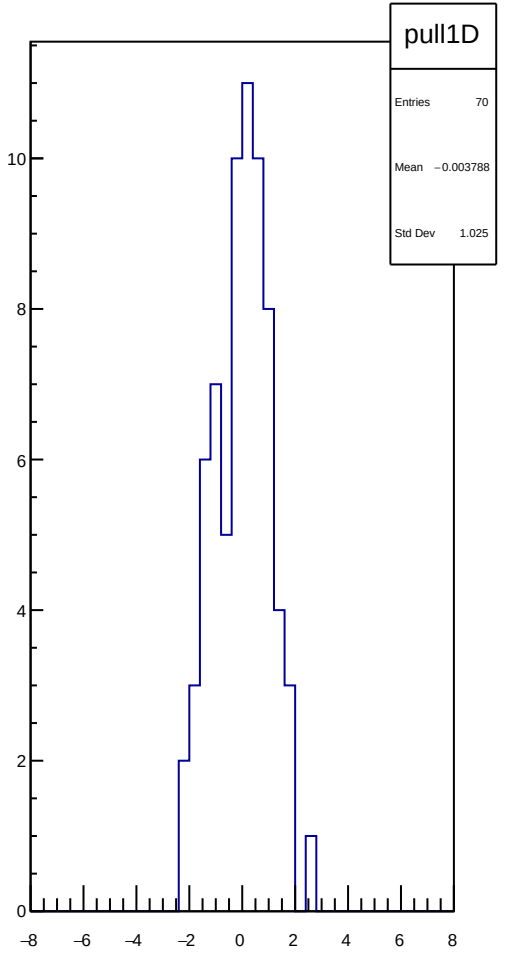

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 90.06 / 69
p0 0.08125 ± 0.06602
pull
Entries 70
Mean 3.77
Std Dev 0
pull1D
Entries 70
Mean −0.06296
Std Dev 1.133

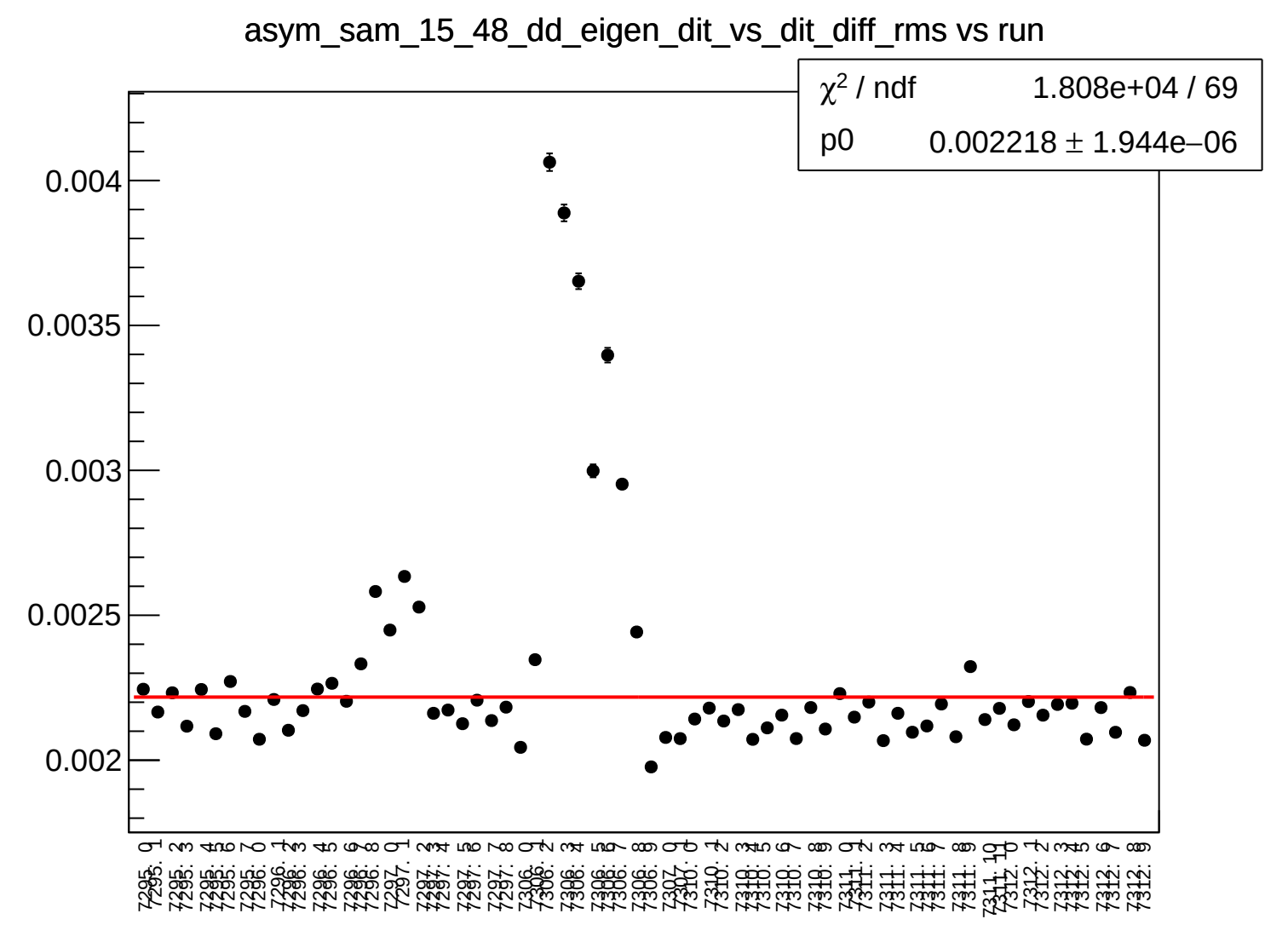

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.194e+05 / 69
p0 46.67 ± 0.04668
220
200
180
160
140
120
100
80
60
40
20

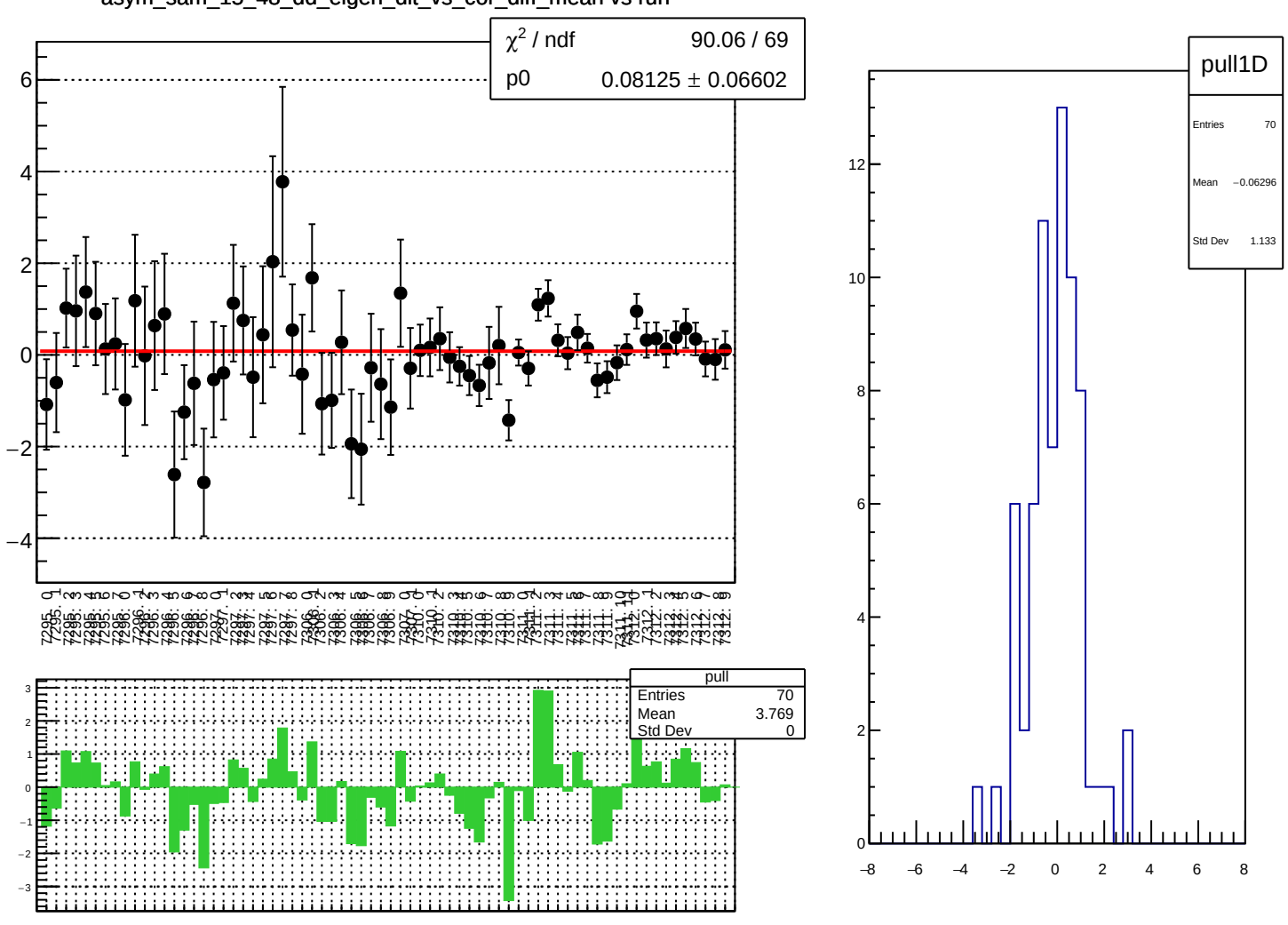

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.06 / 69
p0 0.08125 ± 0.06602
pull
Entries 70
Mean 3.77
Std Dev 0
pull1D
Entries 70
Mean −0.06296
Std Dev 1.133

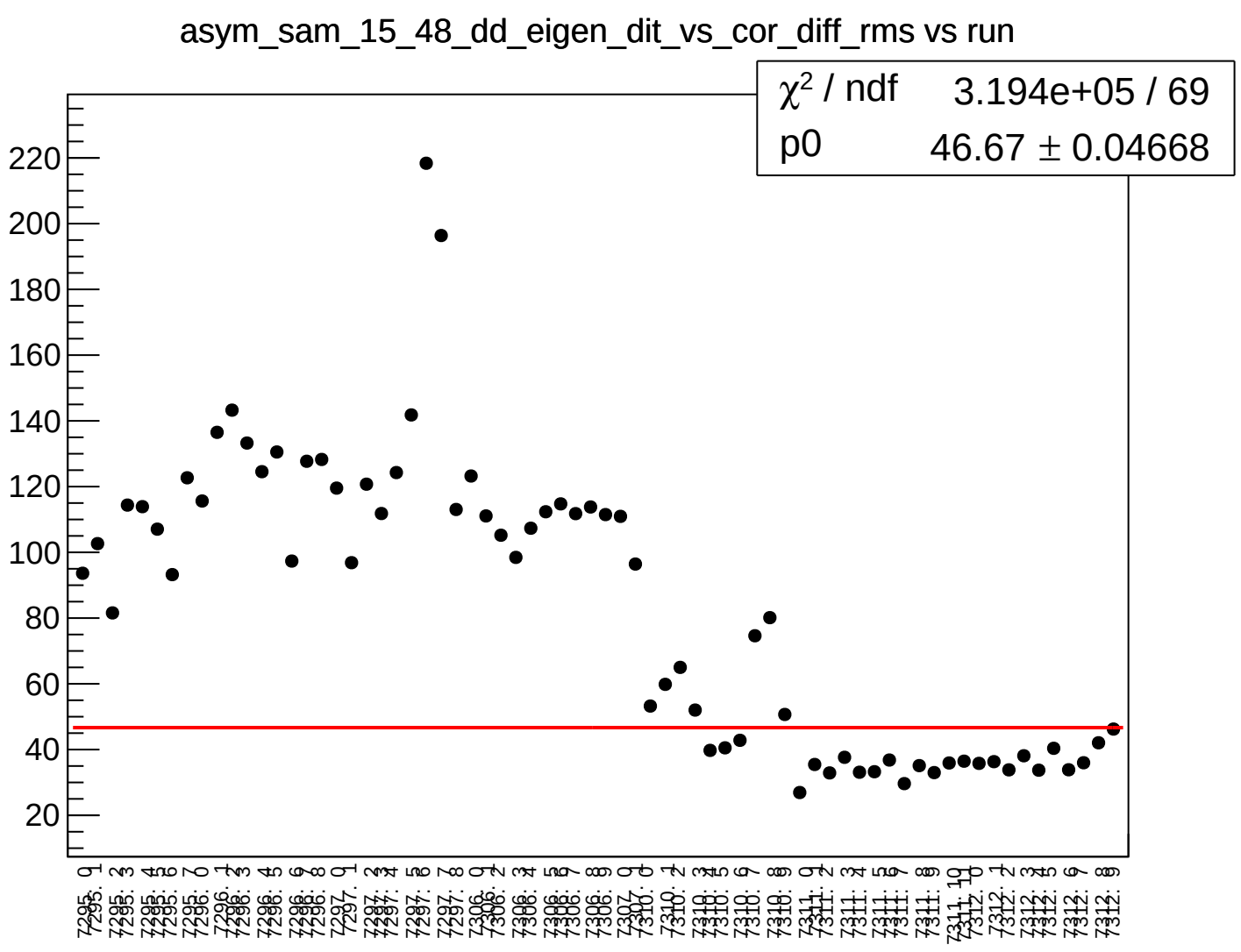

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.194e+05 / 69
p0 46.67 ± 0.04668
220
200
180
160
140
120
100
80
60
40
20

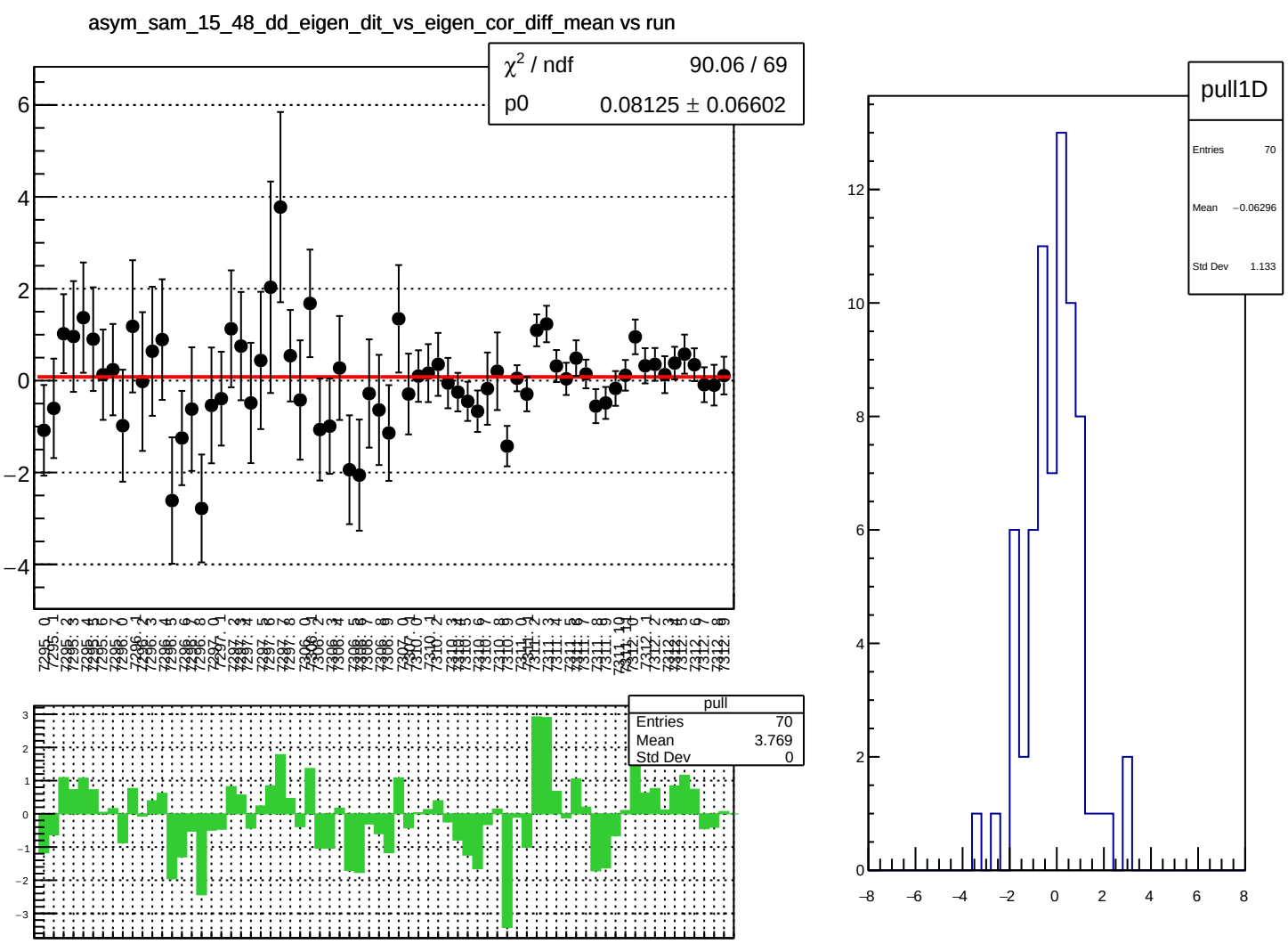

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.51 / 69
p0 −2.579e−06 ± 2.75e−06
pull
Entries 70
Mean 583.3
Std Dev 0

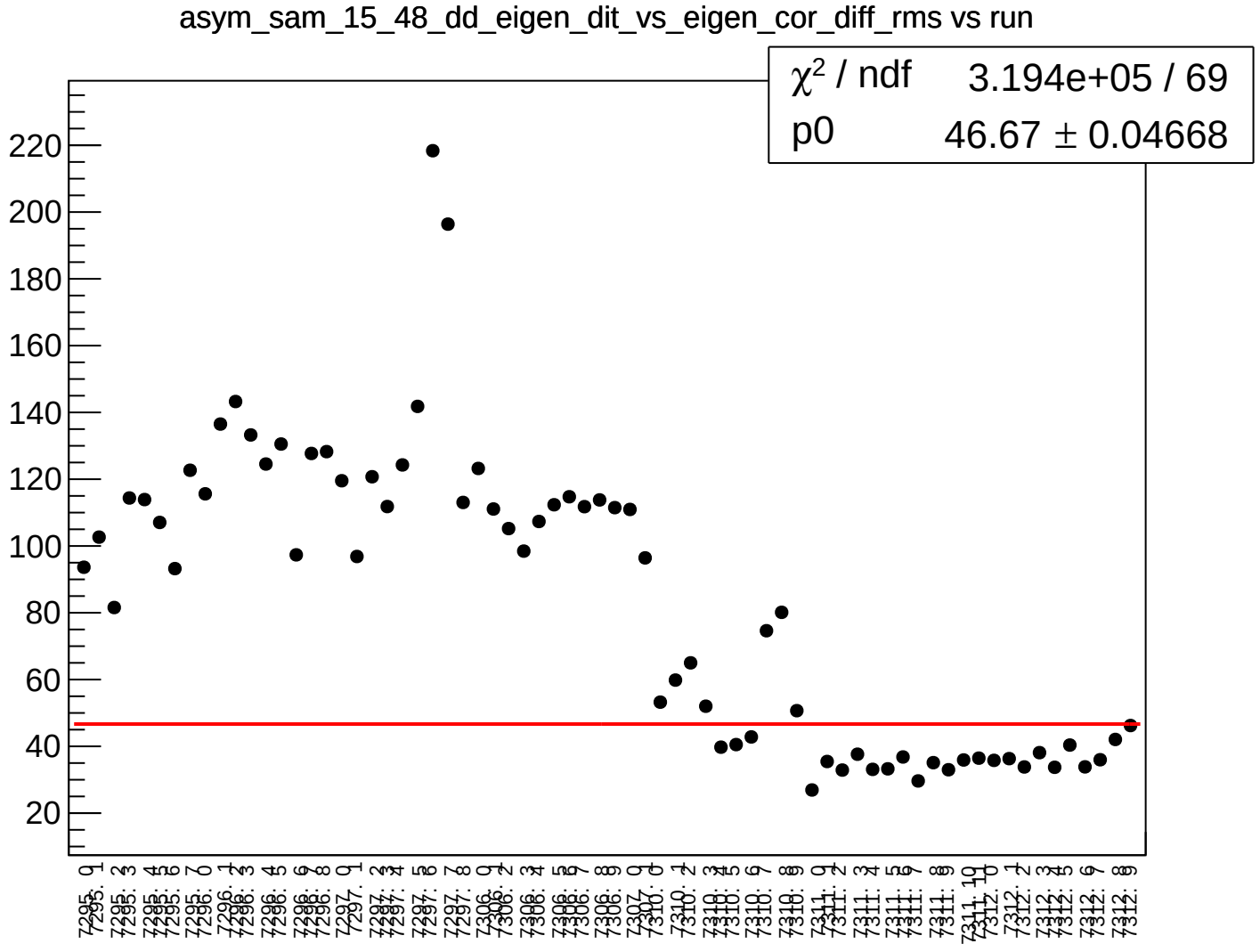

pull1D
Entries 70
Mean −0.003788
Std Dev 1.025

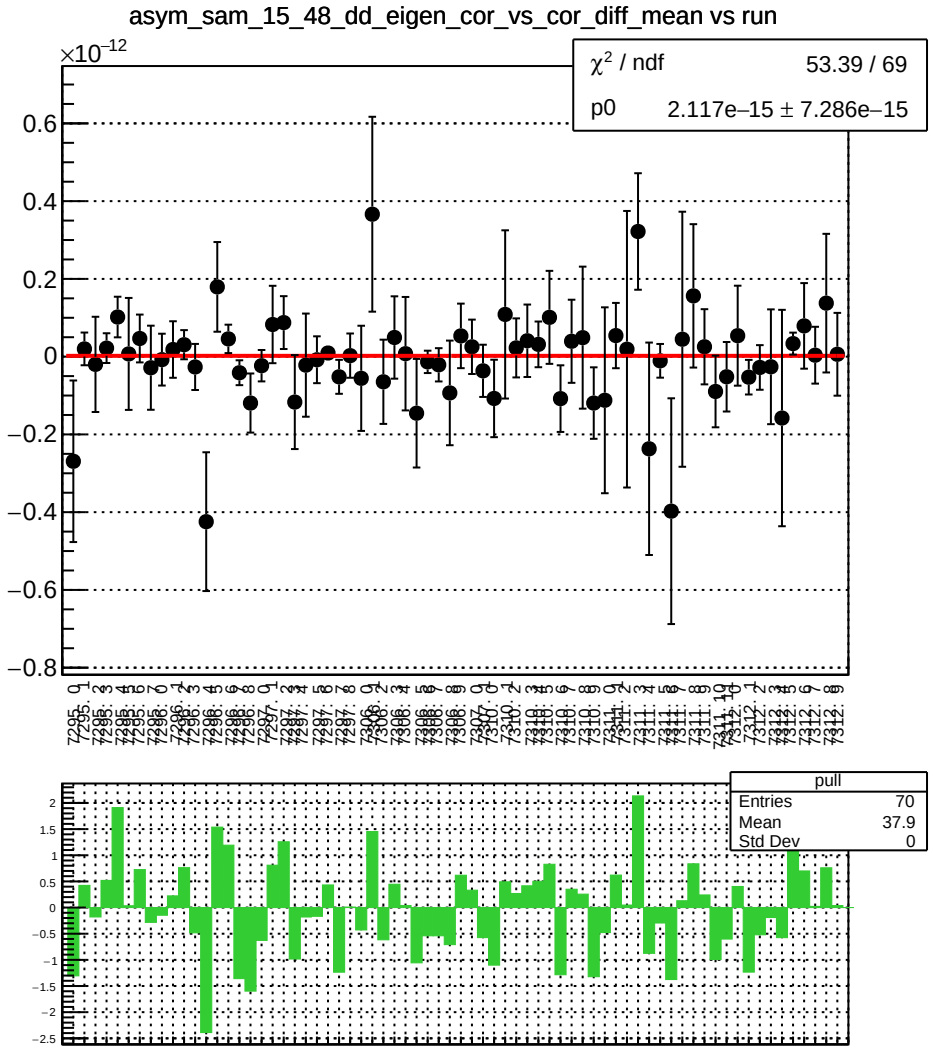

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.808e+04 / 69
p0 0.002218 ± 1.944e−06
0.004
0.0035
0.003
0.0025
0.002

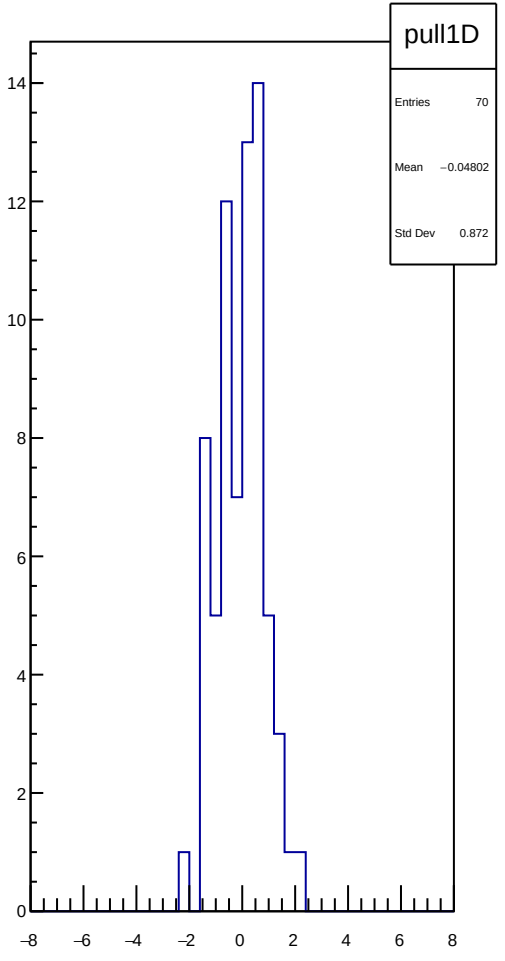

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.06 / 69
p0 0.08125 ± 0.06602
pull
Entries 70
Mean 3.769
Std Dev 0
pull1D
Entries 70
Mean −0.06296
Std Dev 1.133

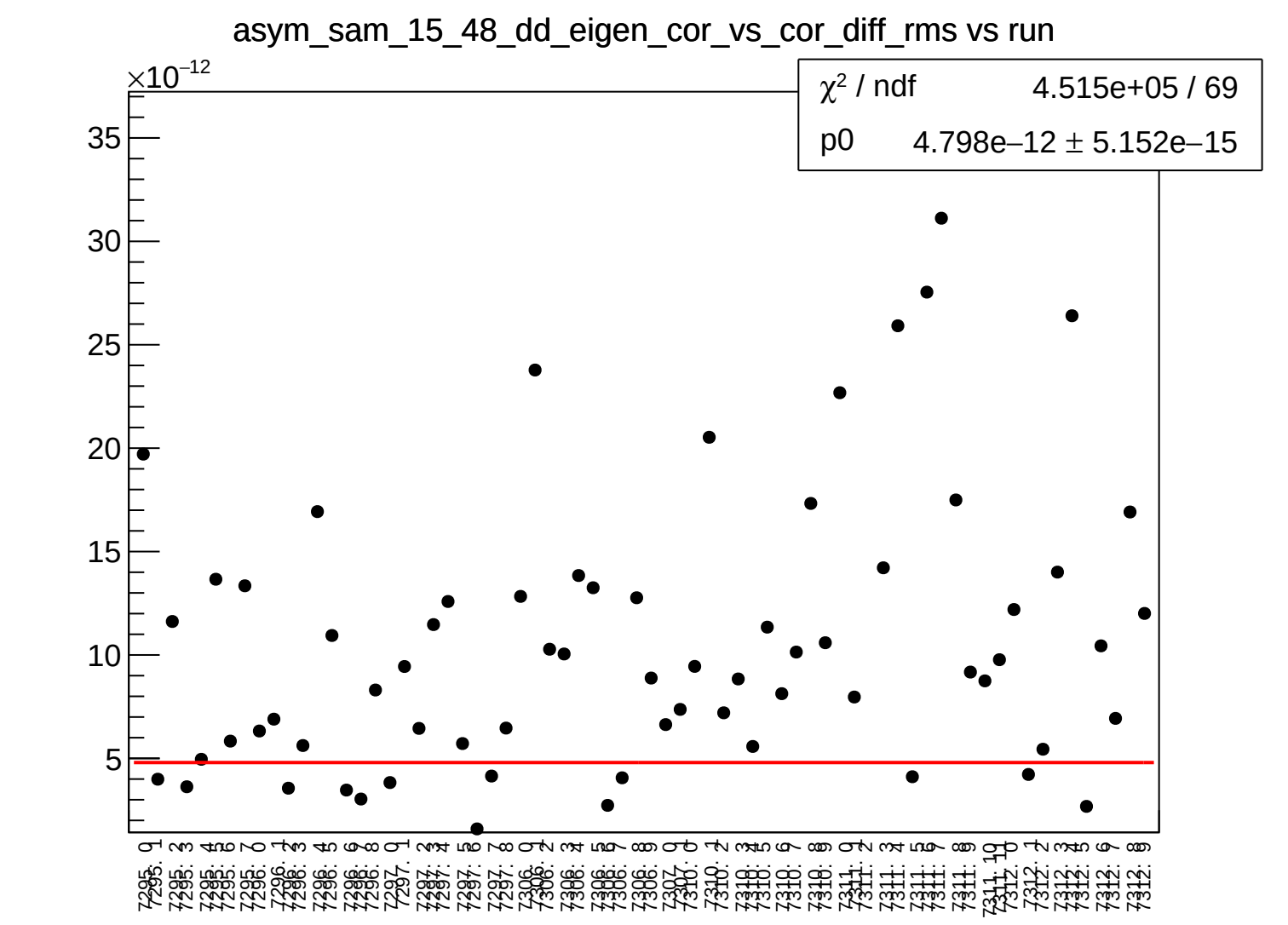

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.194e+05 / 69
p0 46.67 ± 0.04668
220
200
180
160
140
120
100
80
60
40
20

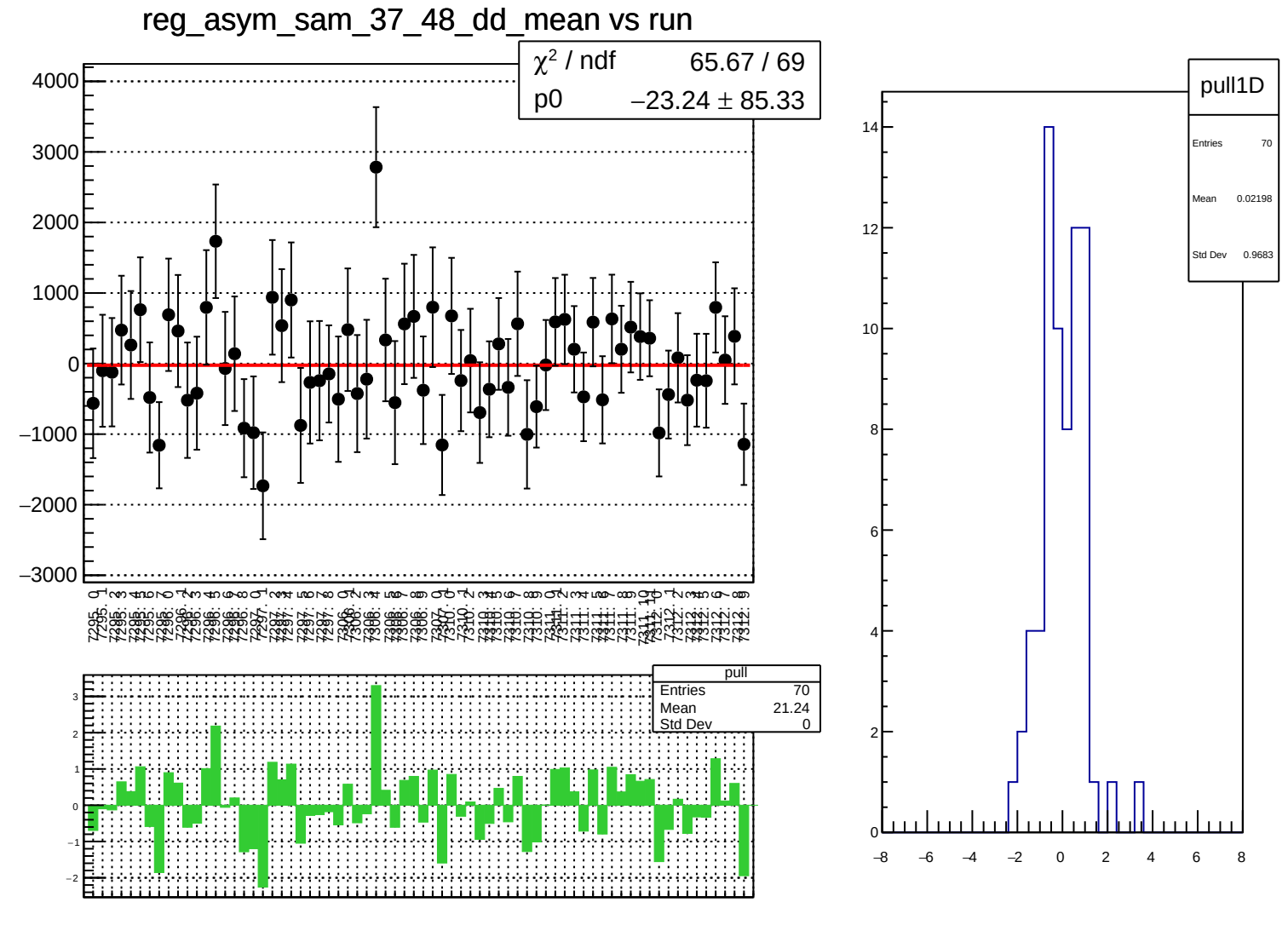

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.06 / 69
p0 0.08125 ± 0.06602
pull
Entries 70
Mean 3.769
Std Dev 0
pull1D
Entries 70
Mean −0.06296
Std Dev 1.133

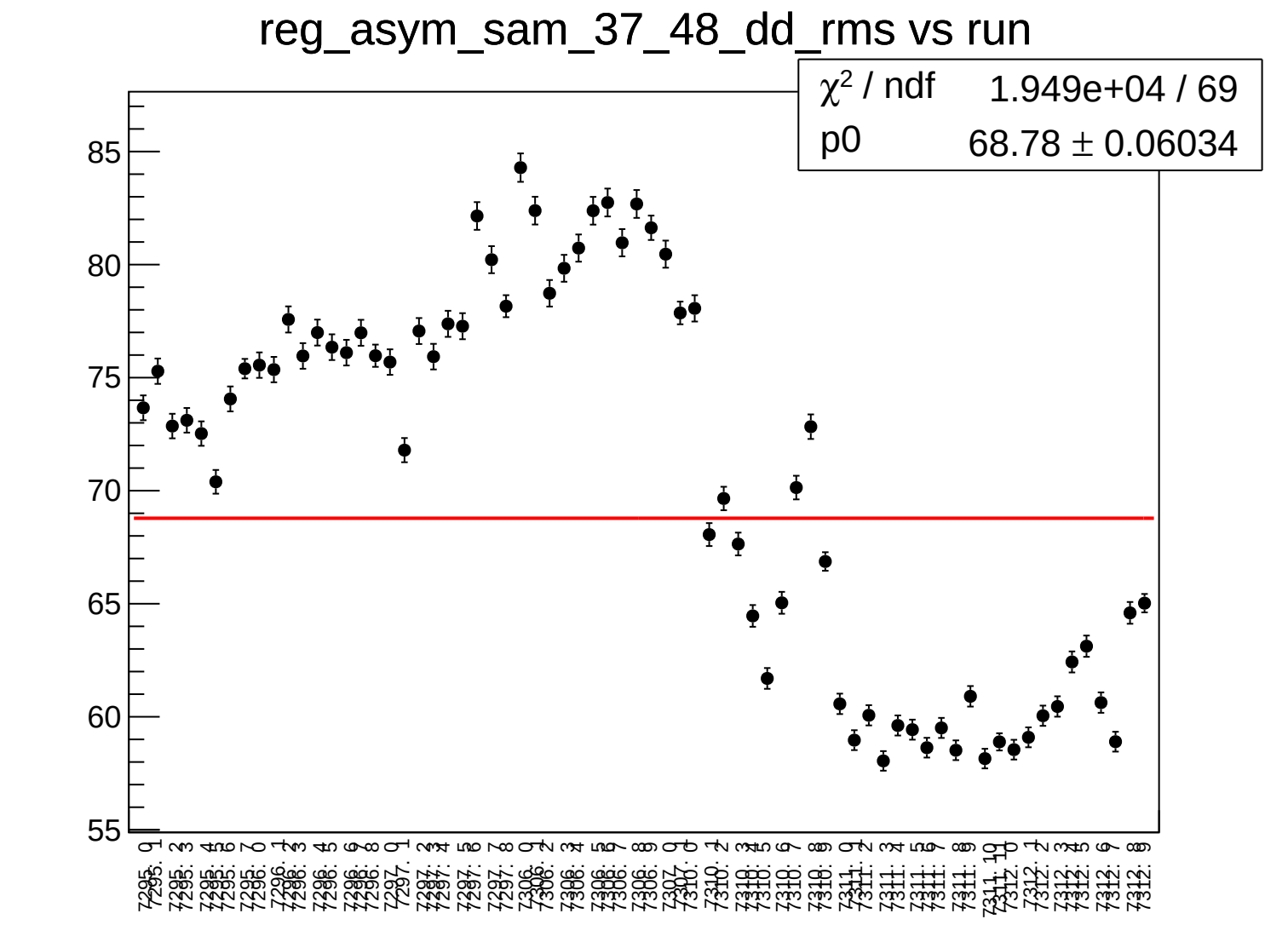

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.194e+05 / 69
p0 46.67 ± 0.04668
220
200
180
160
140
120
100
80
60
40
20

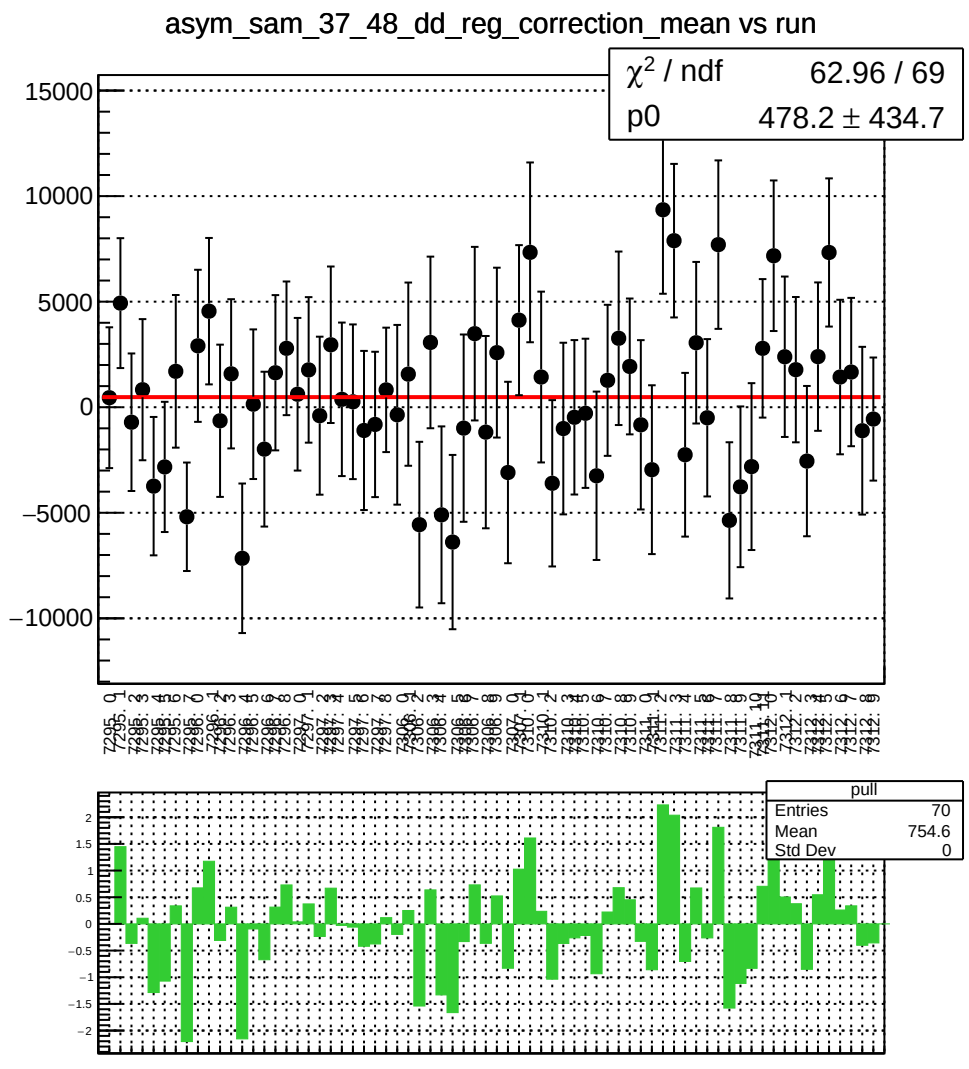

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.39 / 69
p0 2.117e−15 ± 7.286e−15
pull
Entries 70
Mean 37.9
Std Dev 0

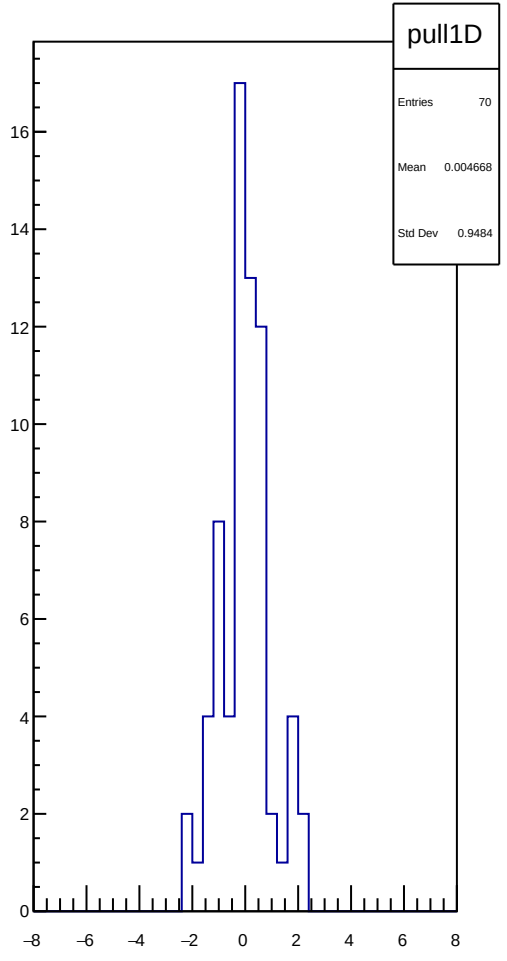

pull1D
Entries 70
Mean −0.04802
Std Dev 0.872

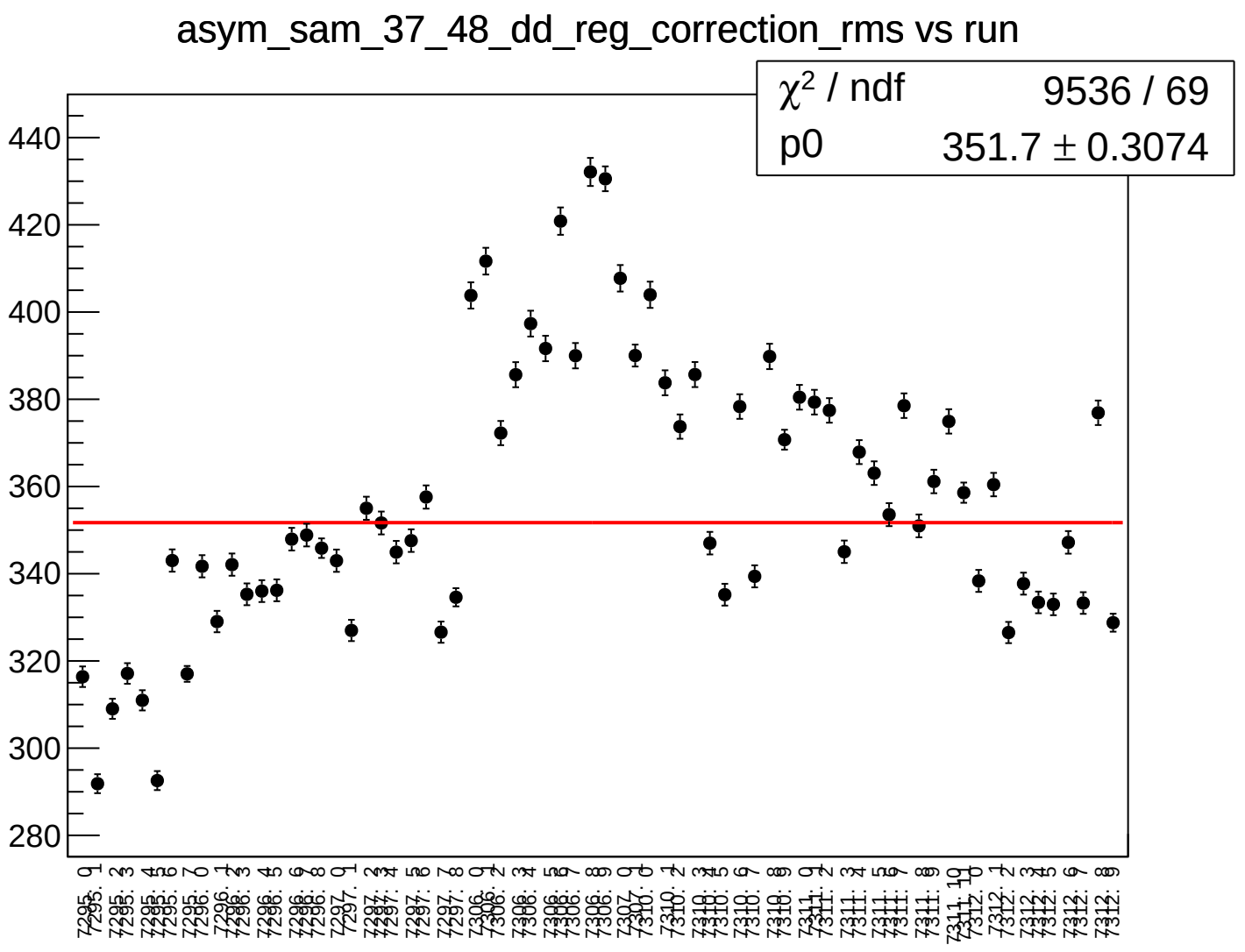

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.515e+05 / 69
p0 4.798e−12 ± 5.152e−15
35
30
25
20
15
10
5

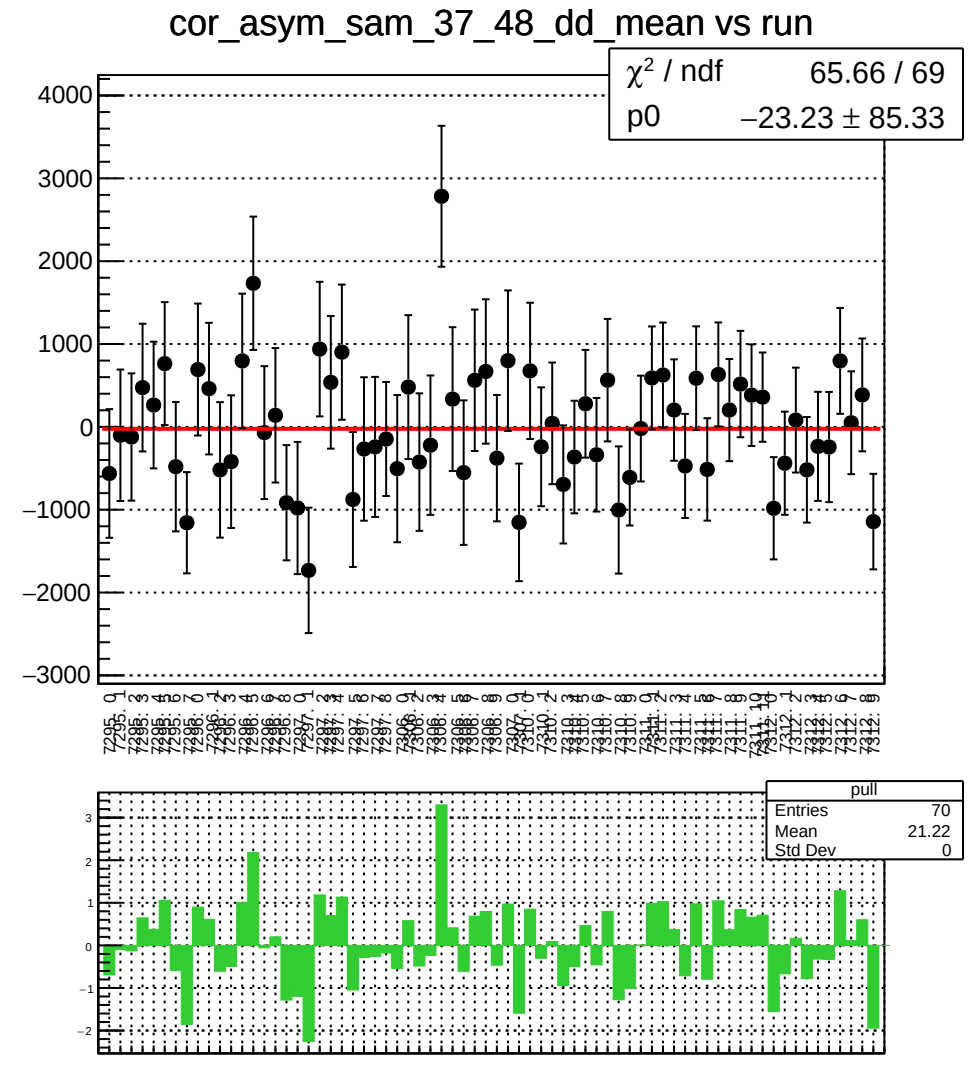

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.67 / 69
p0 −23.24 ± 85.33
pull
Entries 70
Mean 21.24
Std Dev 0
pull1D
Entries 70
Mean 0.02198
Std Dev 0.9683

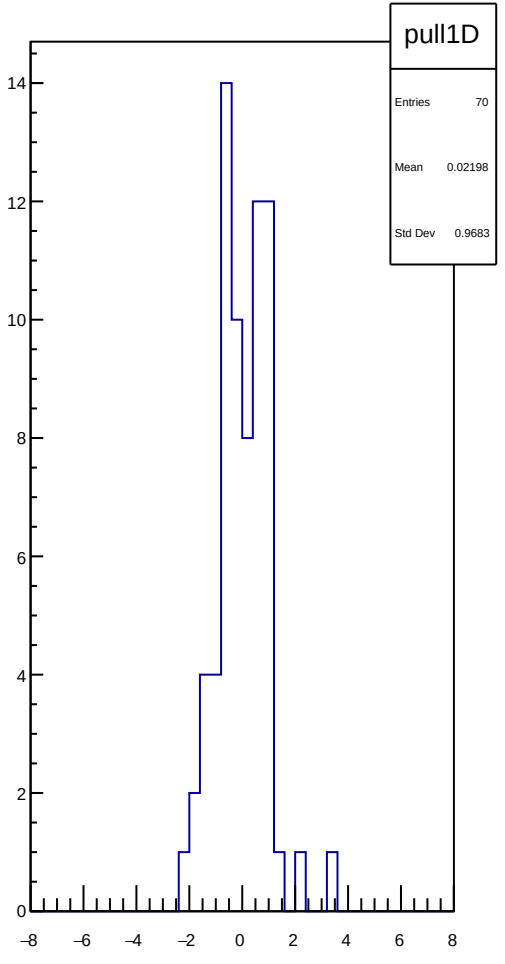

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.949e+04 / 69
p0 68.78 ± 0.06034
85
80
75
70
65
60
55

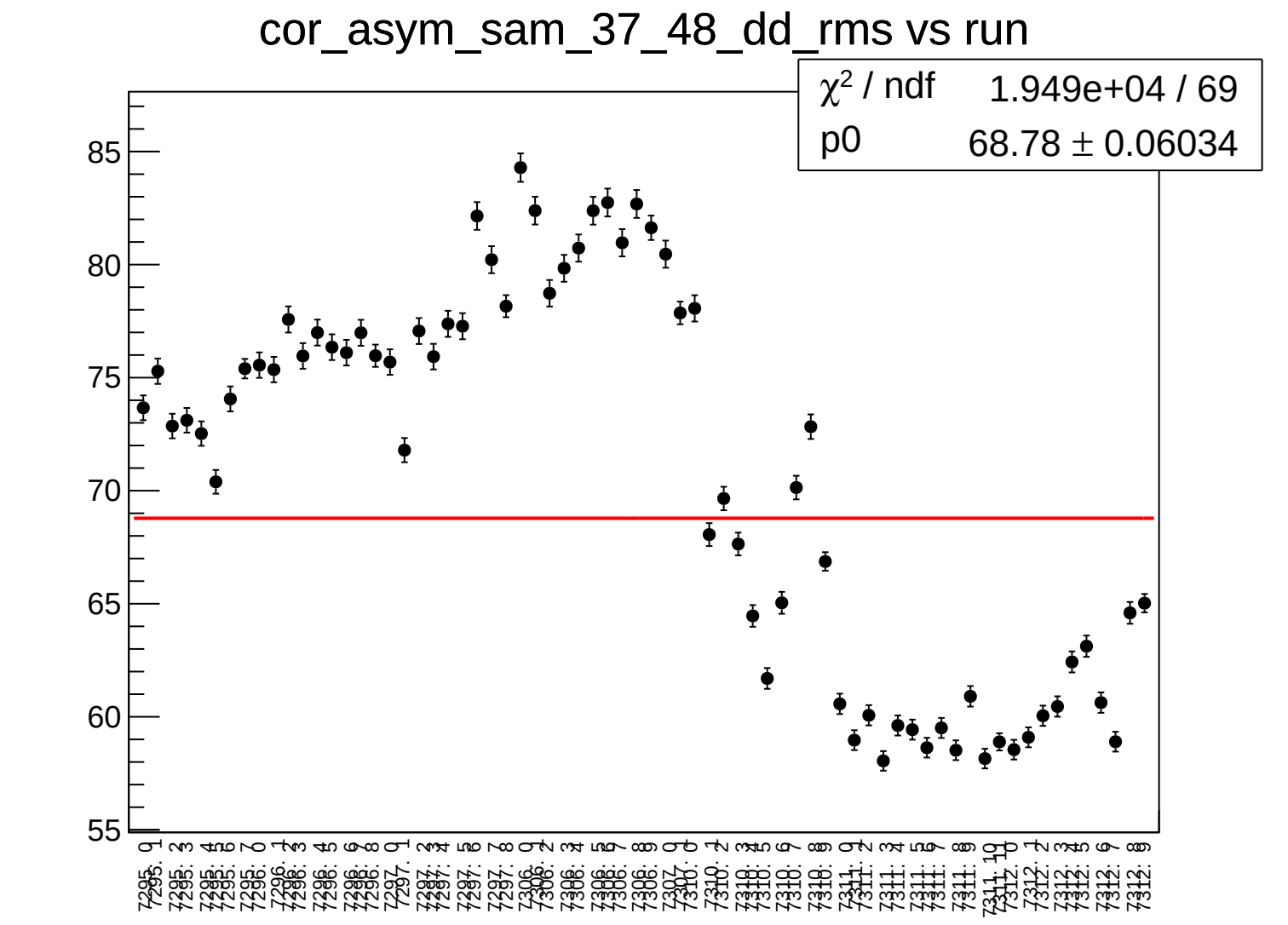

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 62.96 / 69
p0 478.2 ± 434.7
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 754.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

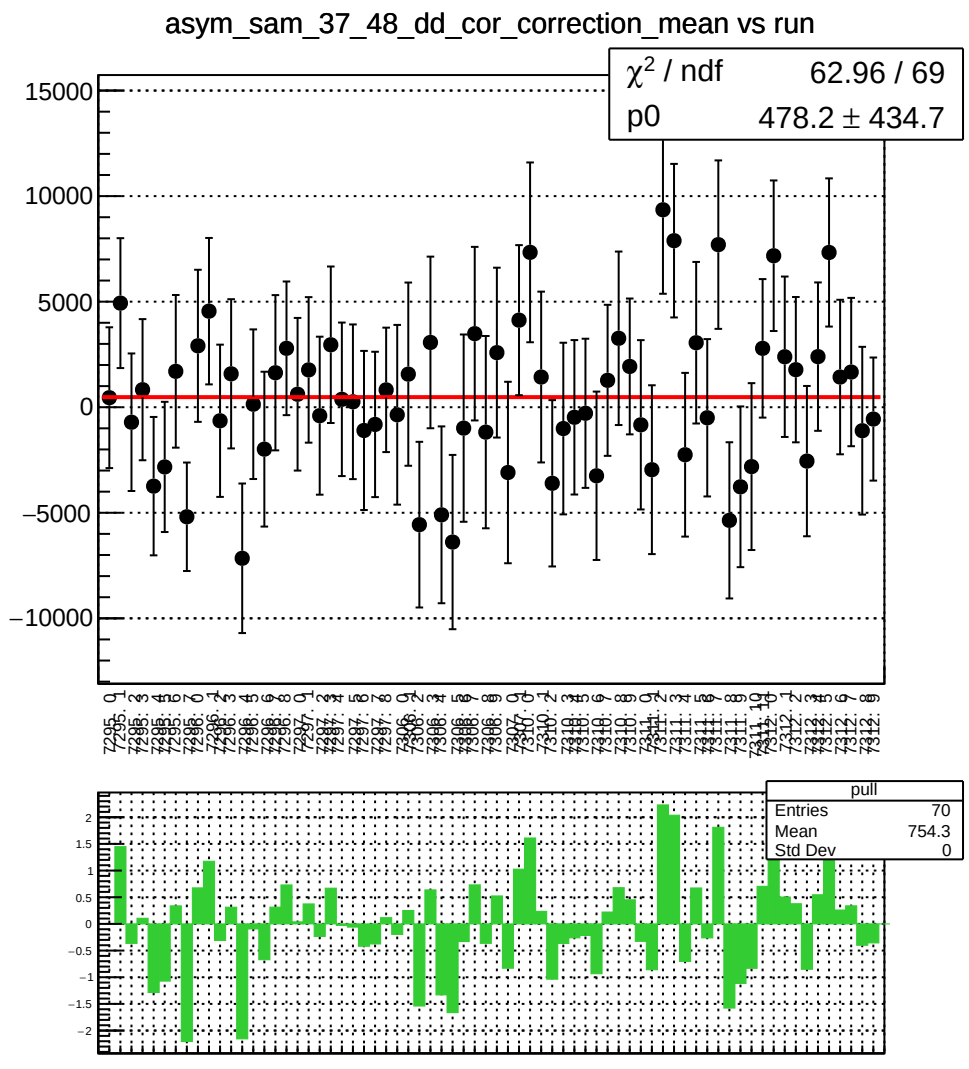

pull1D
Entries 70
Mean 0.004668
Std Dev 0.9484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

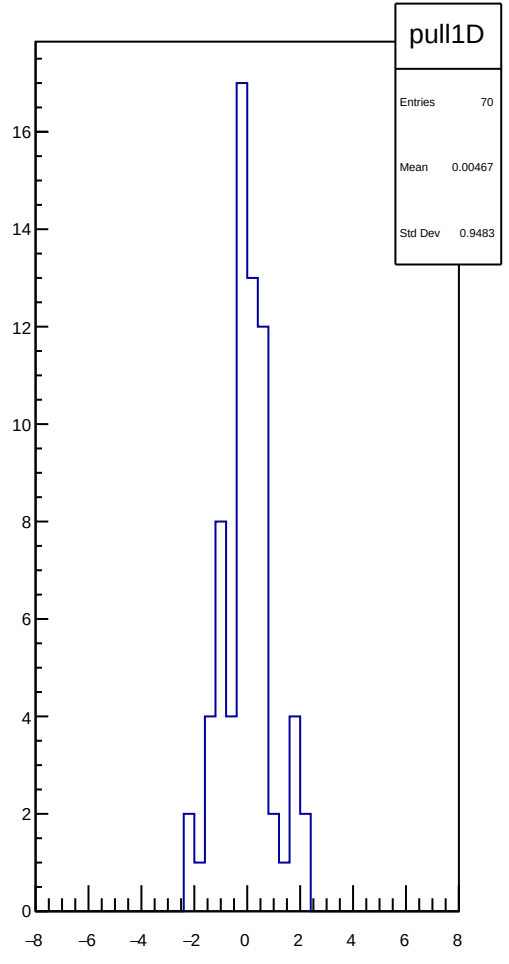

asym_sam_37_48_dd_reg_correction_rms vs run
χ^2 / ndf 9536 / 69
p0 351.7 ± 0.3074
440
420
400
380
360
340
320
300
280

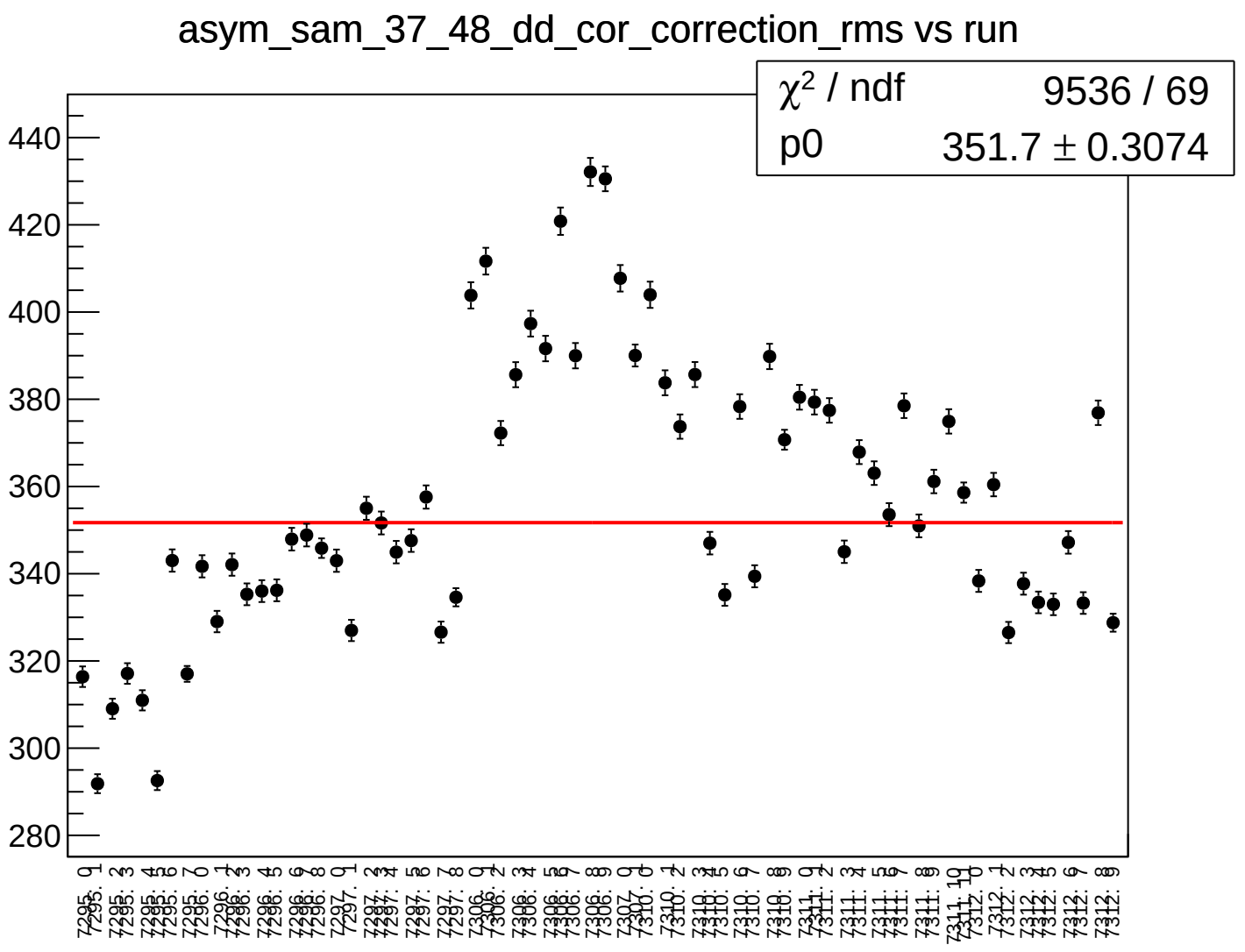

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.66 / 69
p0 −23.23 ± 85.33
pull
Entries 70
Mean 21.22
Std Dev 0

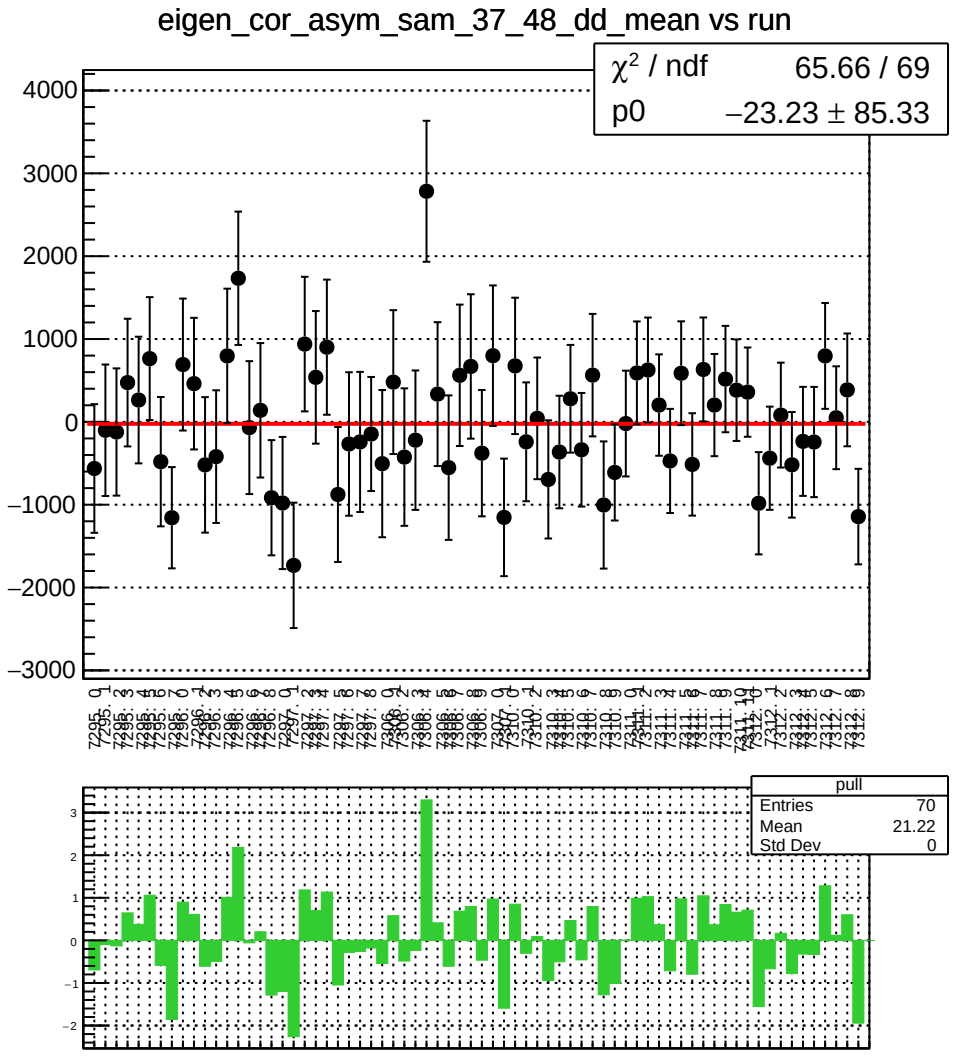

pull1D
Entries 70
Mean 0.02198
Std Dev 0.9683

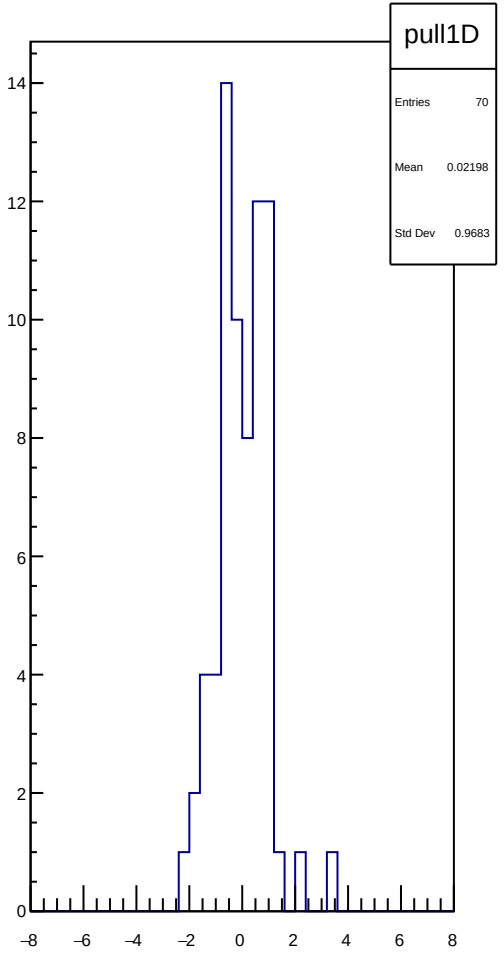

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.949e+04 / 69
p0 68.78 ± 0.06034
85
80
75
70
65
60
55

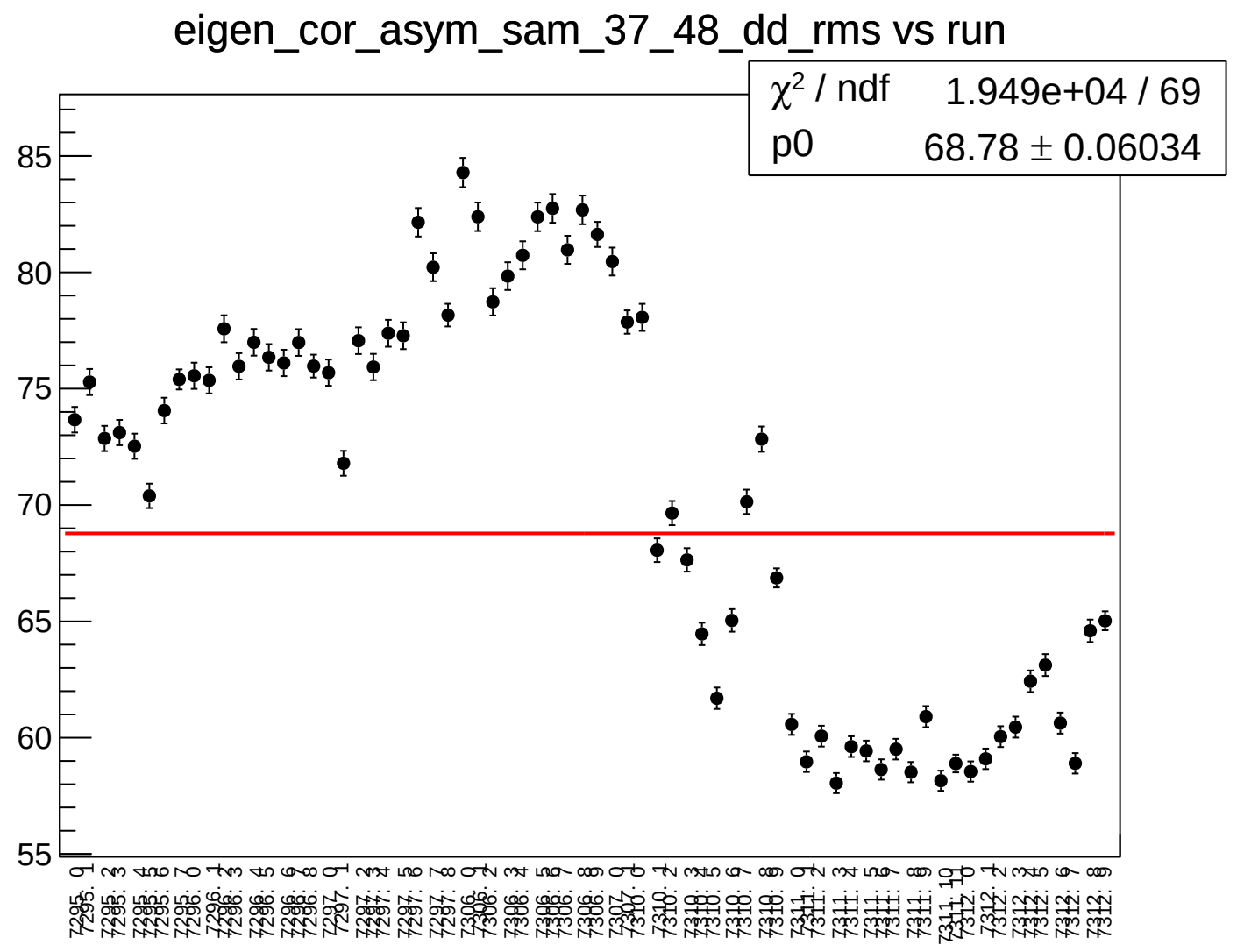

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 62.96 / 69
p0 478.2 ± 434.7
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 754.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

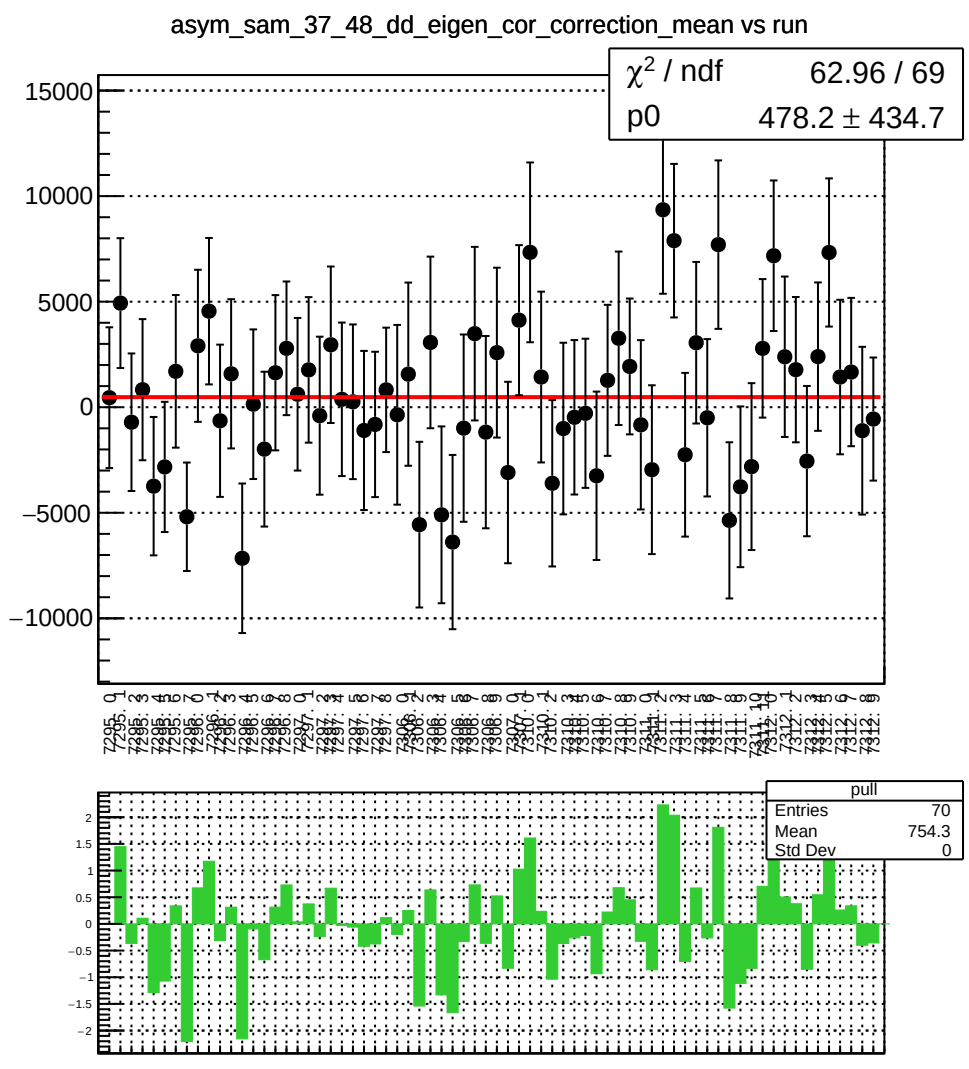

pull1D
Entries 70
Mean 0.00467
Std Dev 0.9483
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

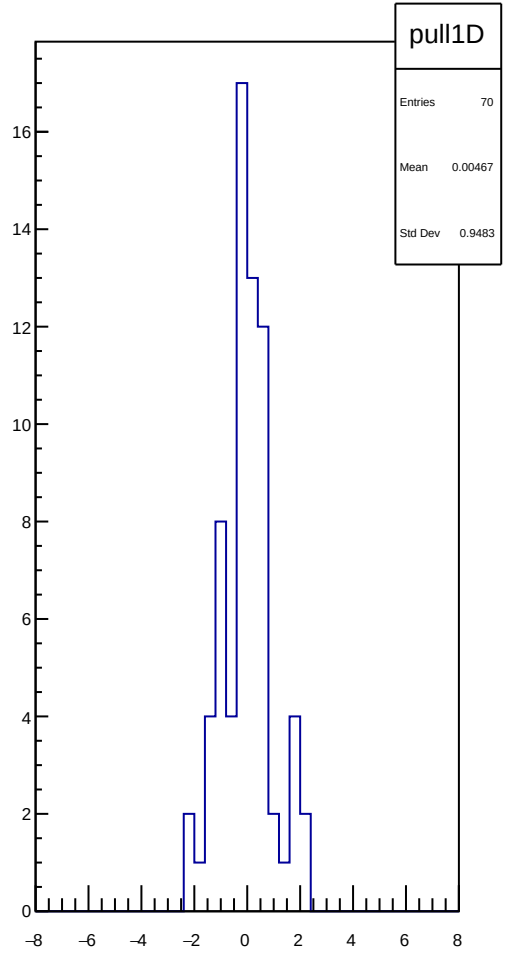

asym_sam_37_48_dd_cor_correction_rms vs run
χ^2 / ndf 9536 / 69
p0 351.7 ± 0.3074
440
420
400
380
360
340
320
300
280

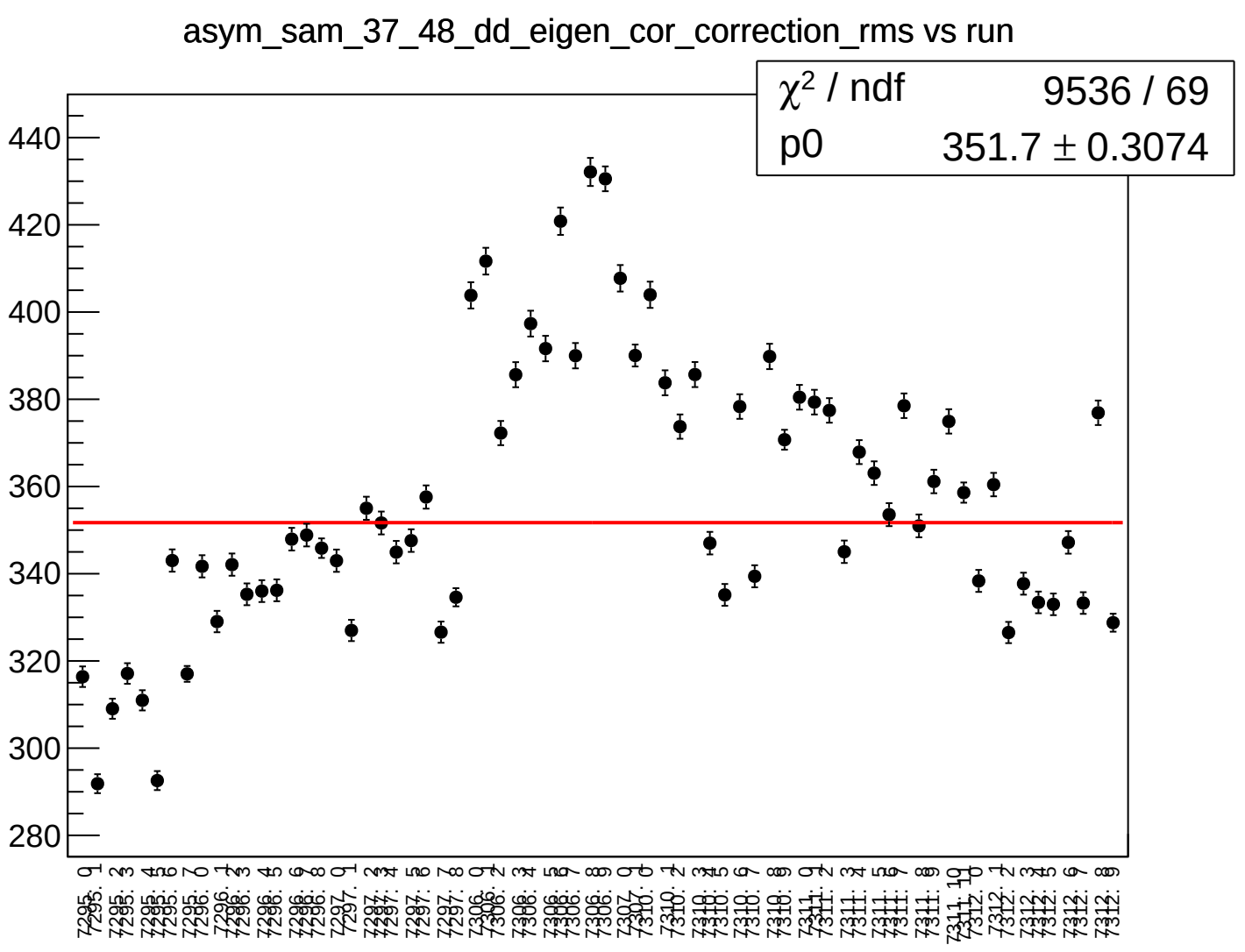

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.66 / 69
p0 −23.23 ± 85.33
pull
Entries 70
Mean 21.22
Std Dev 0

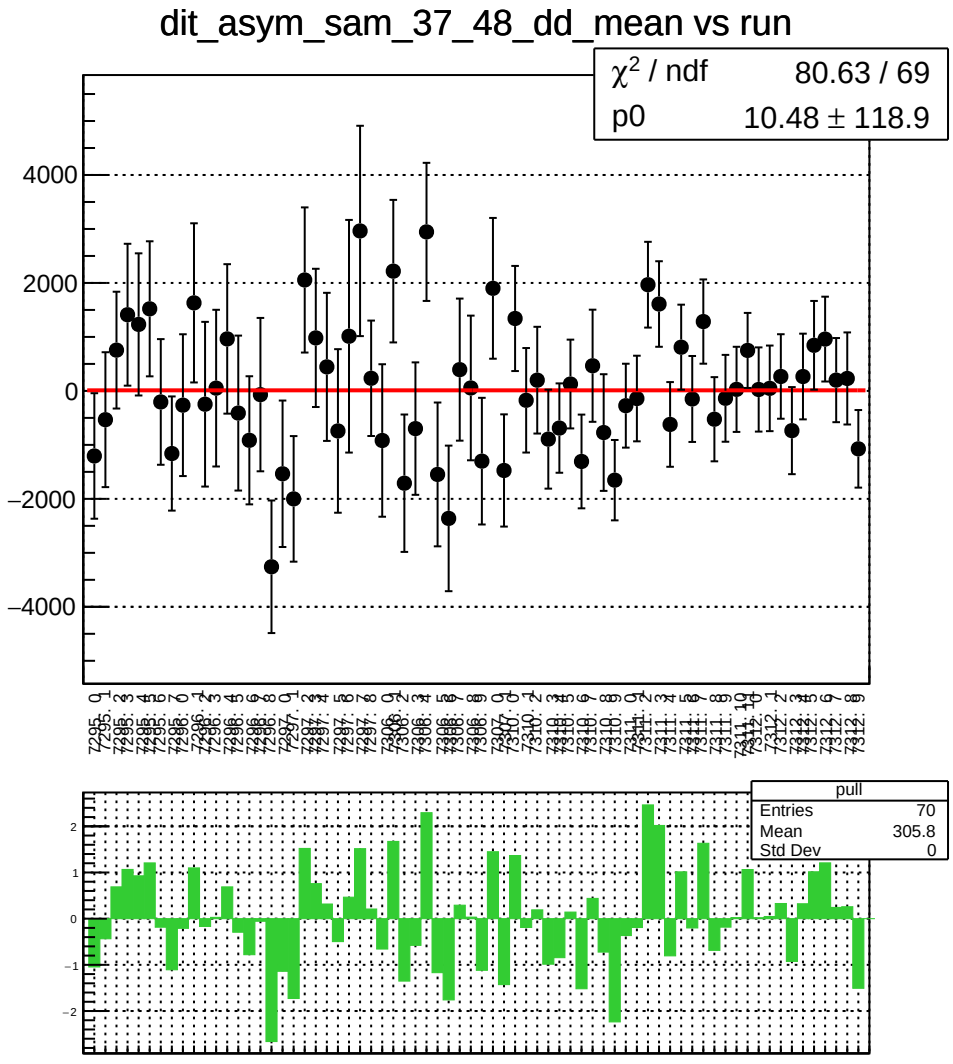

pull1D
Entries 70
Mean 0.02198
Std Dev 0.9683

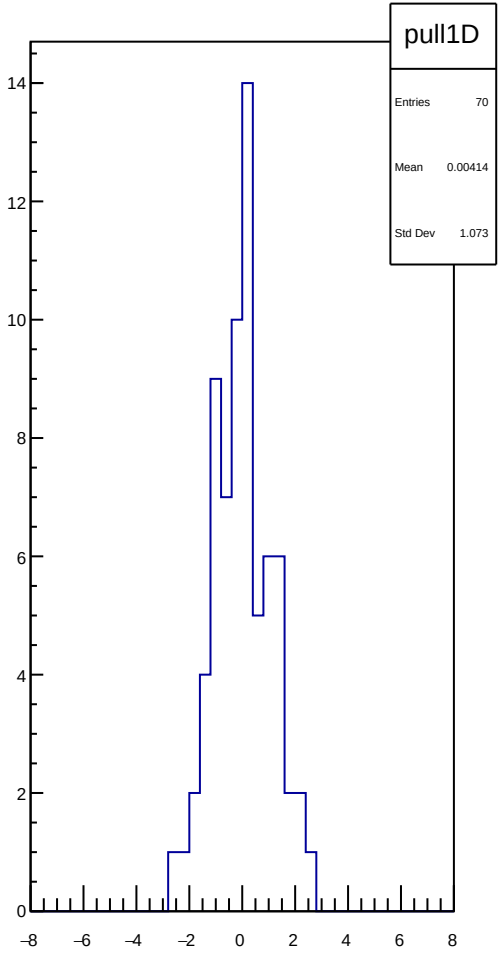

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.949e+04 / 69
p0 68.78 ± 0.06034
85
80
75
70
65
60
55

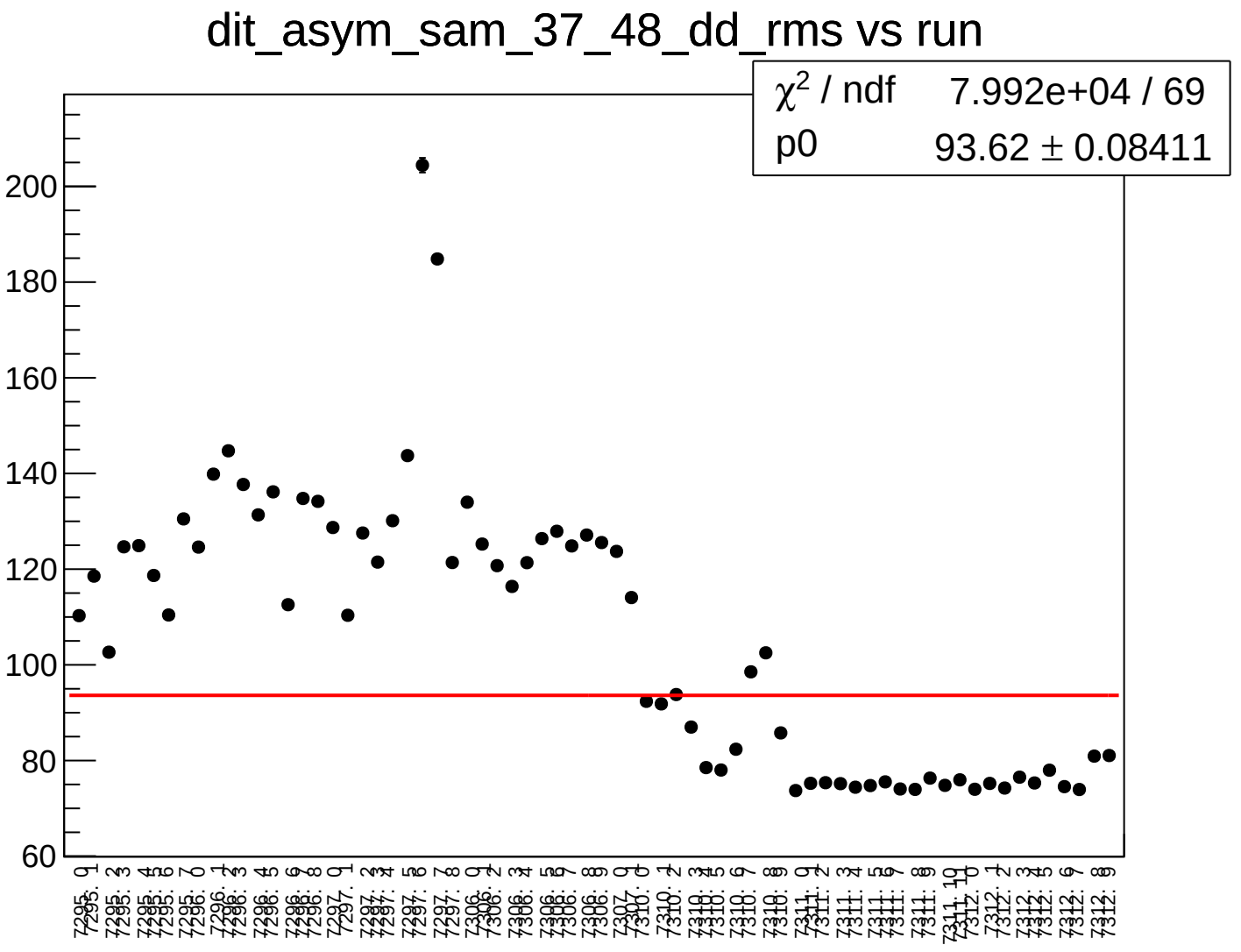

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.96 / 69
p0 478.2 ± 434.7
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean 754.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

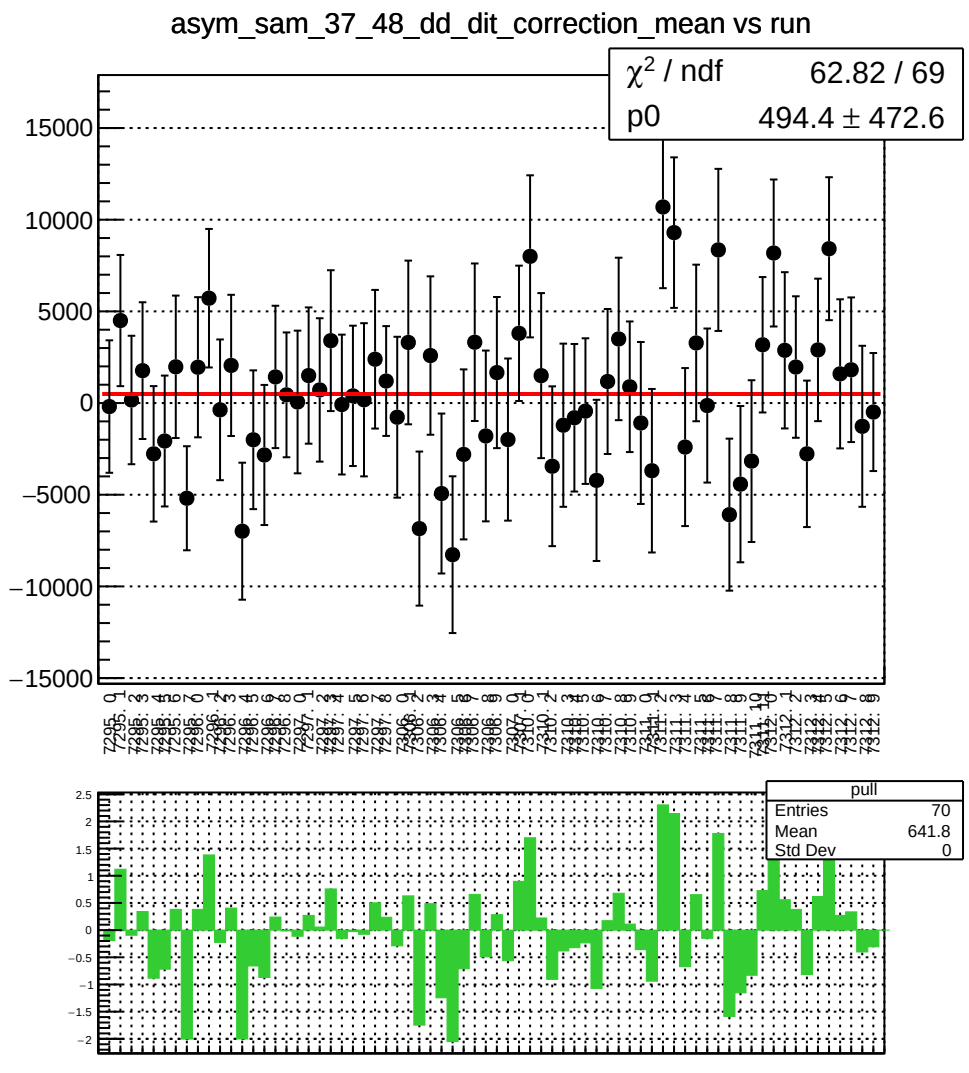

pull1D
Entries 70
Mean 0.00467
Std Dev 0.9483
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

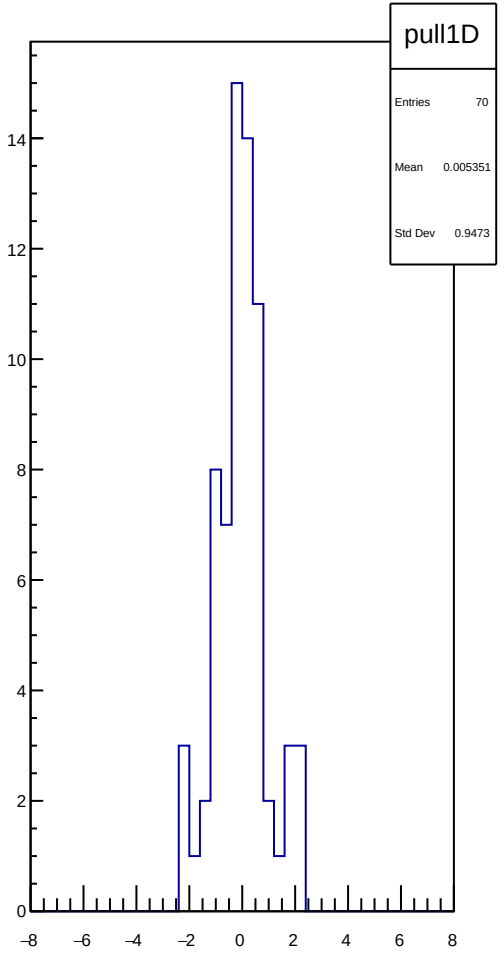

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 9536 / 69
p0 351.7 ± 0.3074
440
420
400
380
360
340
320
300
280

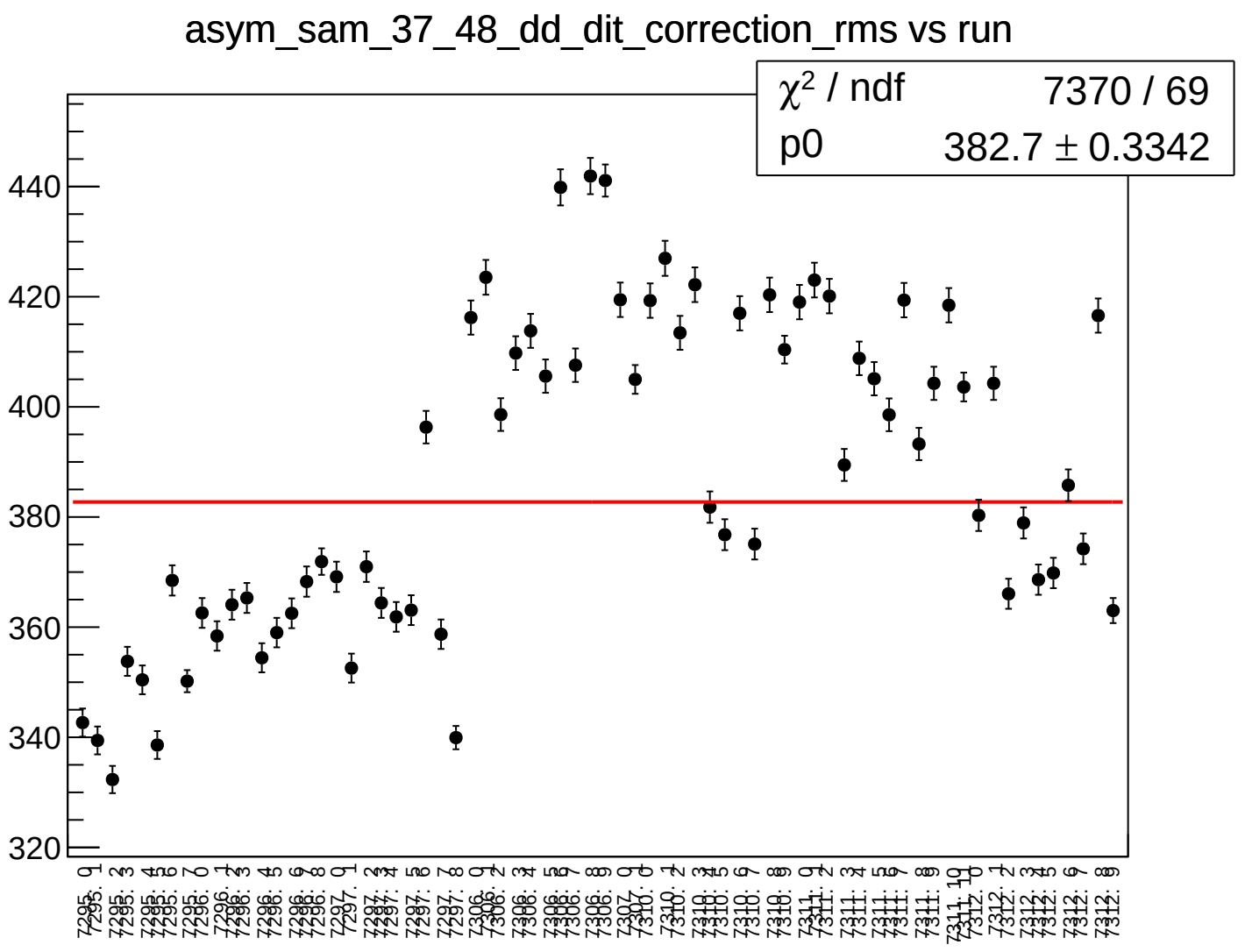

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 80.63 / 69
p0 10.48 ± 118.9
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 305.8
Std Dev 0
2
1
0
−1
−2

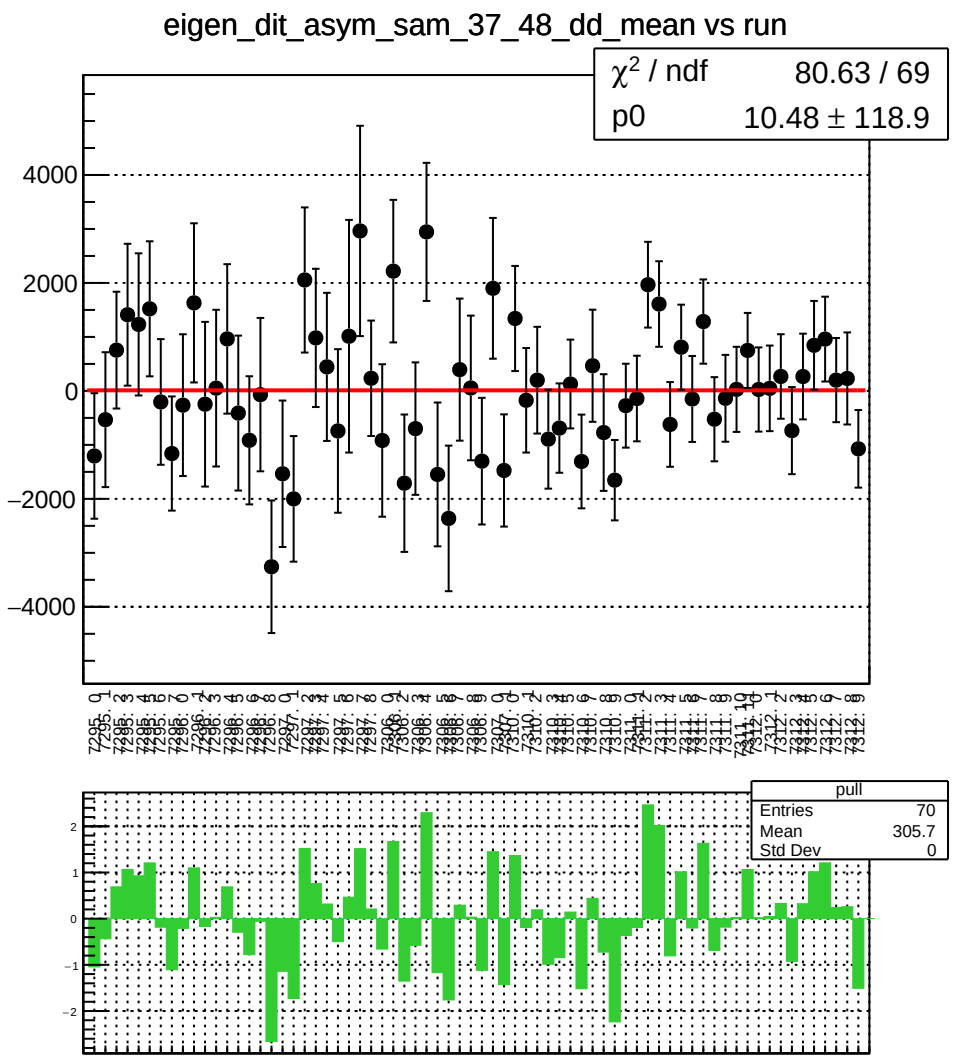

pull1D
Entries 70
Mean 0.00414
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

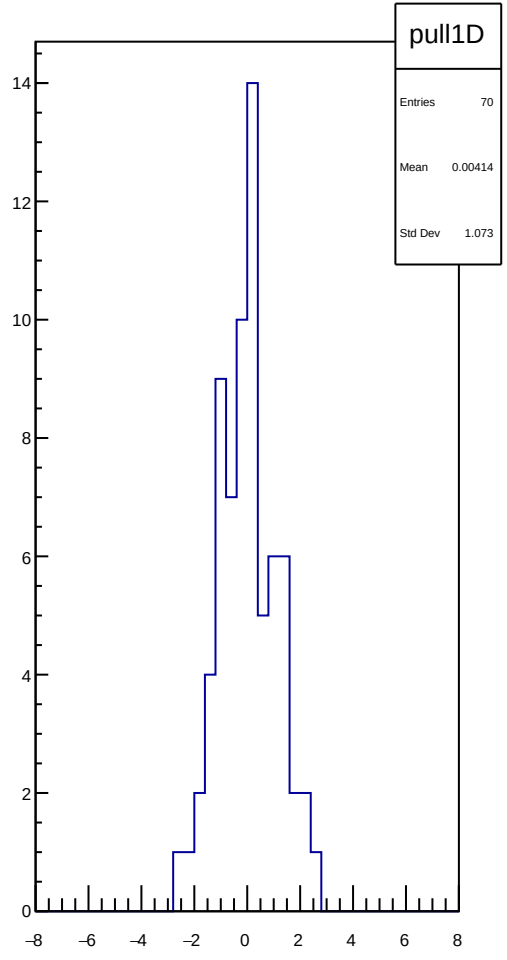

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 7.992e+04 / 69
p0 93.62 ± 0.08411
200
180
160
140
120
100
80
60

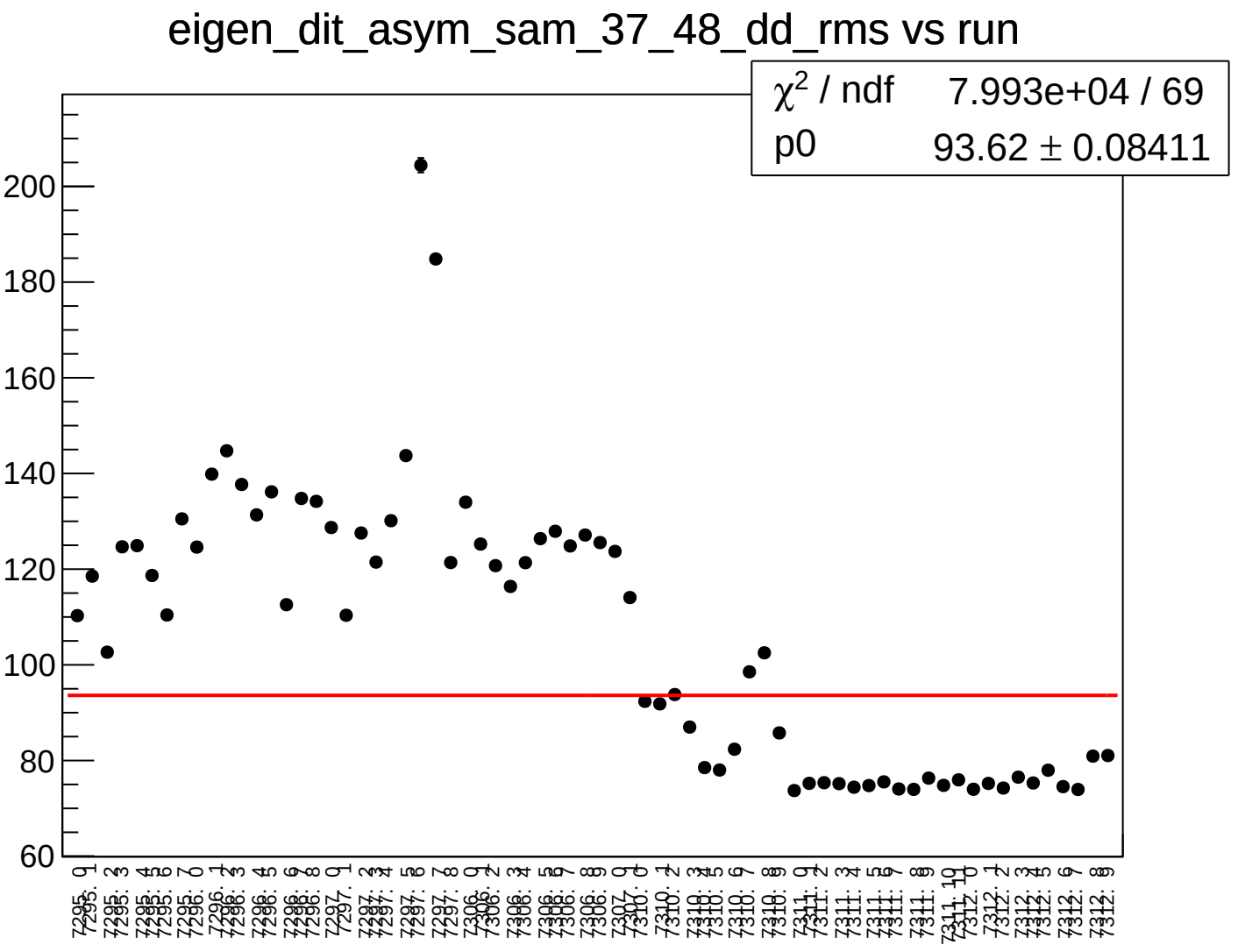

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 62.82 / 69
p0 494.4 ± 472.6
pull
Entries 70
Mean 641.8
Std Dev 0

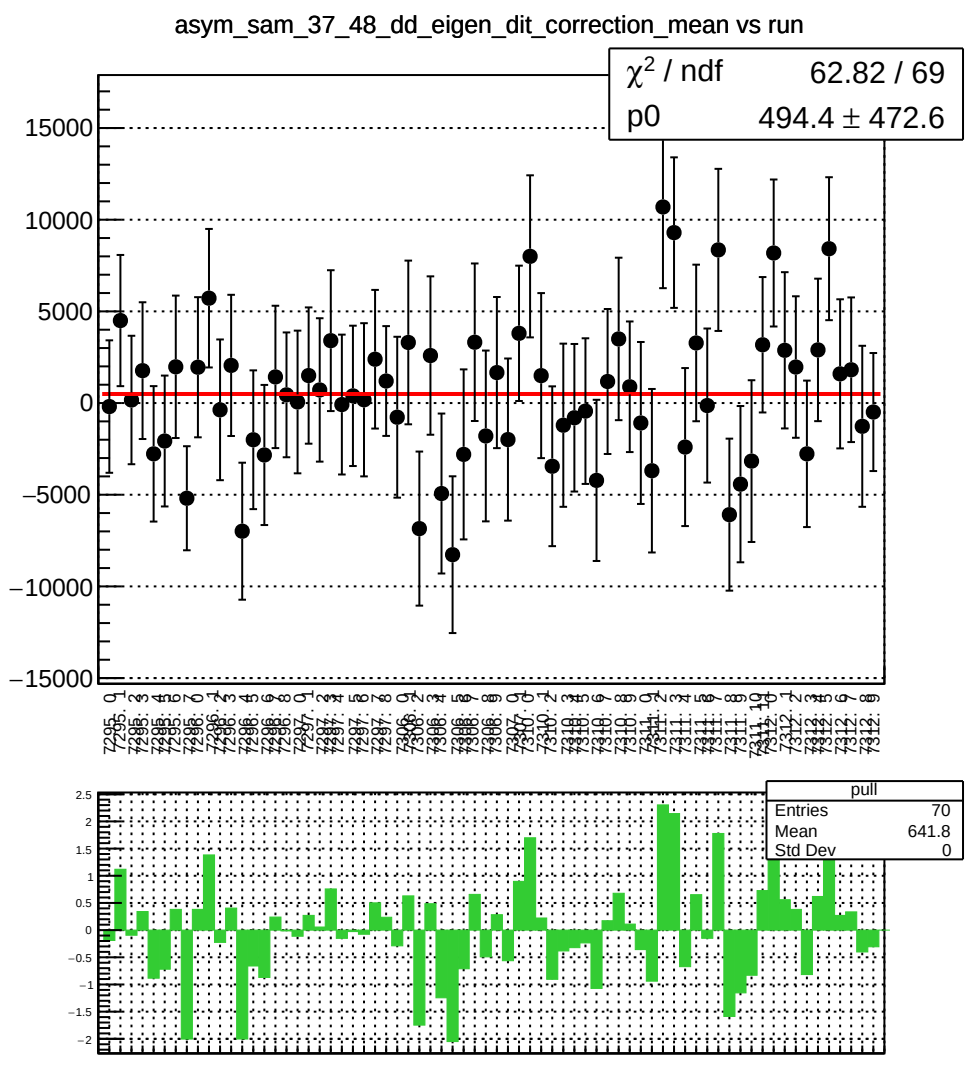

pull1D
Entries 70
Mean 0.005351
Std Dev 0.9473

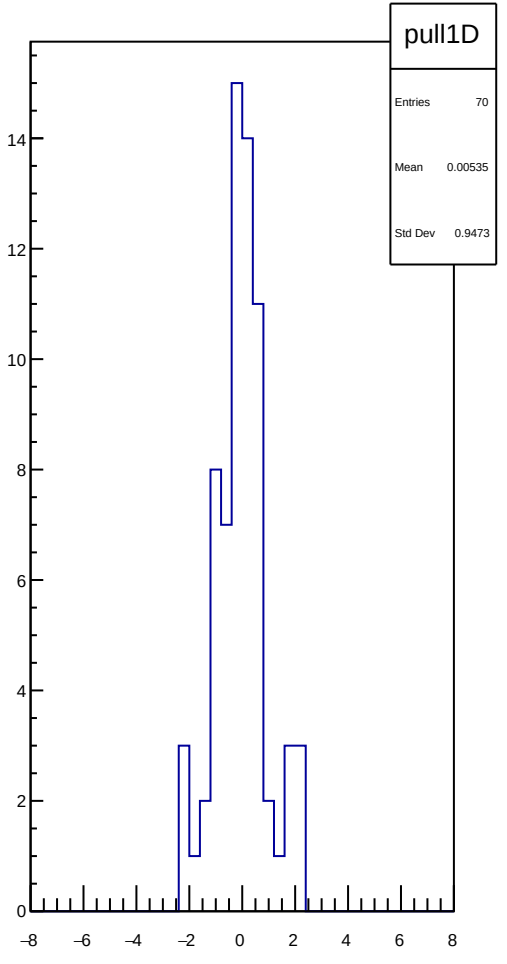

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 7370 / 69
p0 382.7 ± 0.3342
440
420
400
380
360
340
320

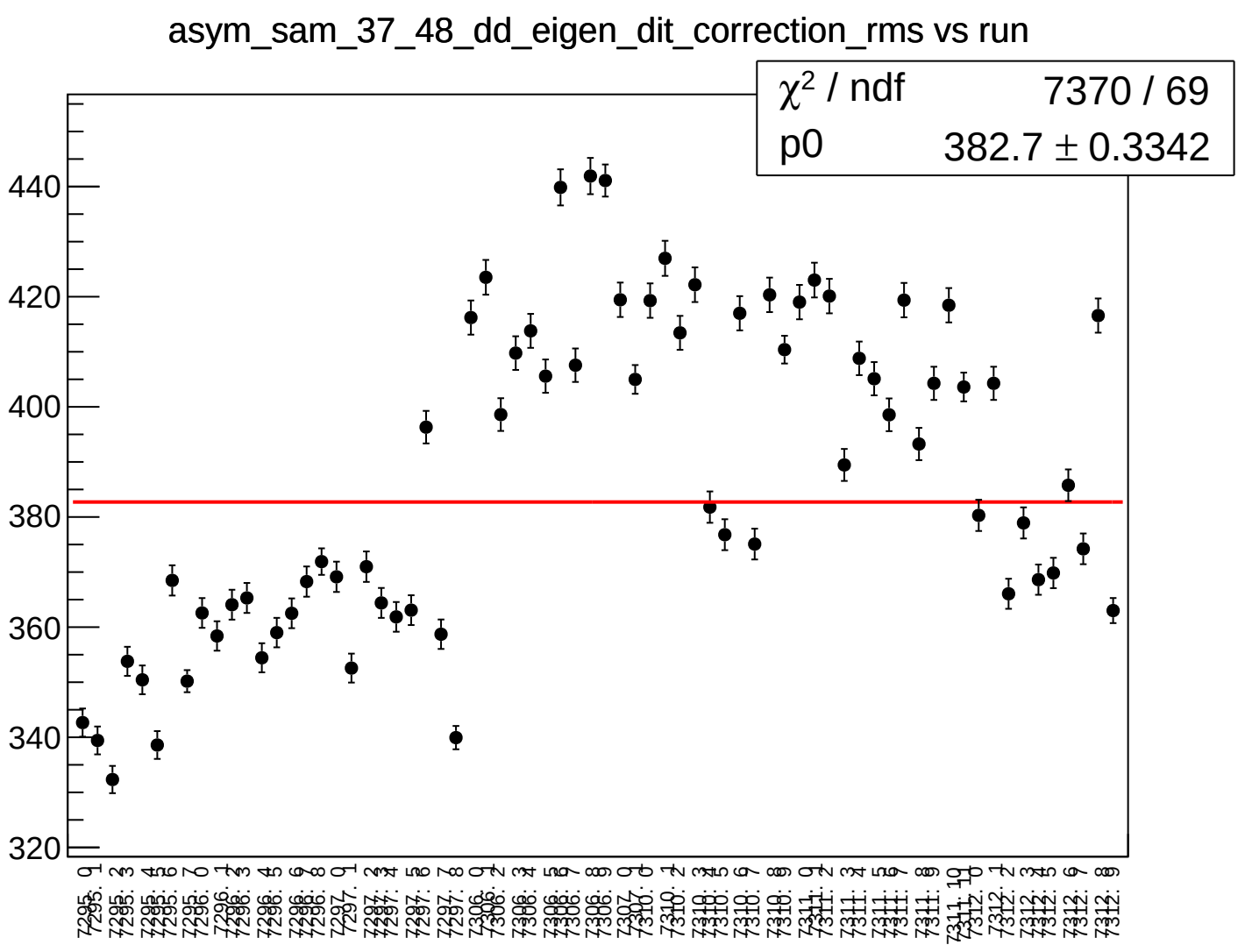

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 80.63 / 69
p0 10.48 ± 118.9
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 305.7
Std Dev 0
2
1
0
−1
−2

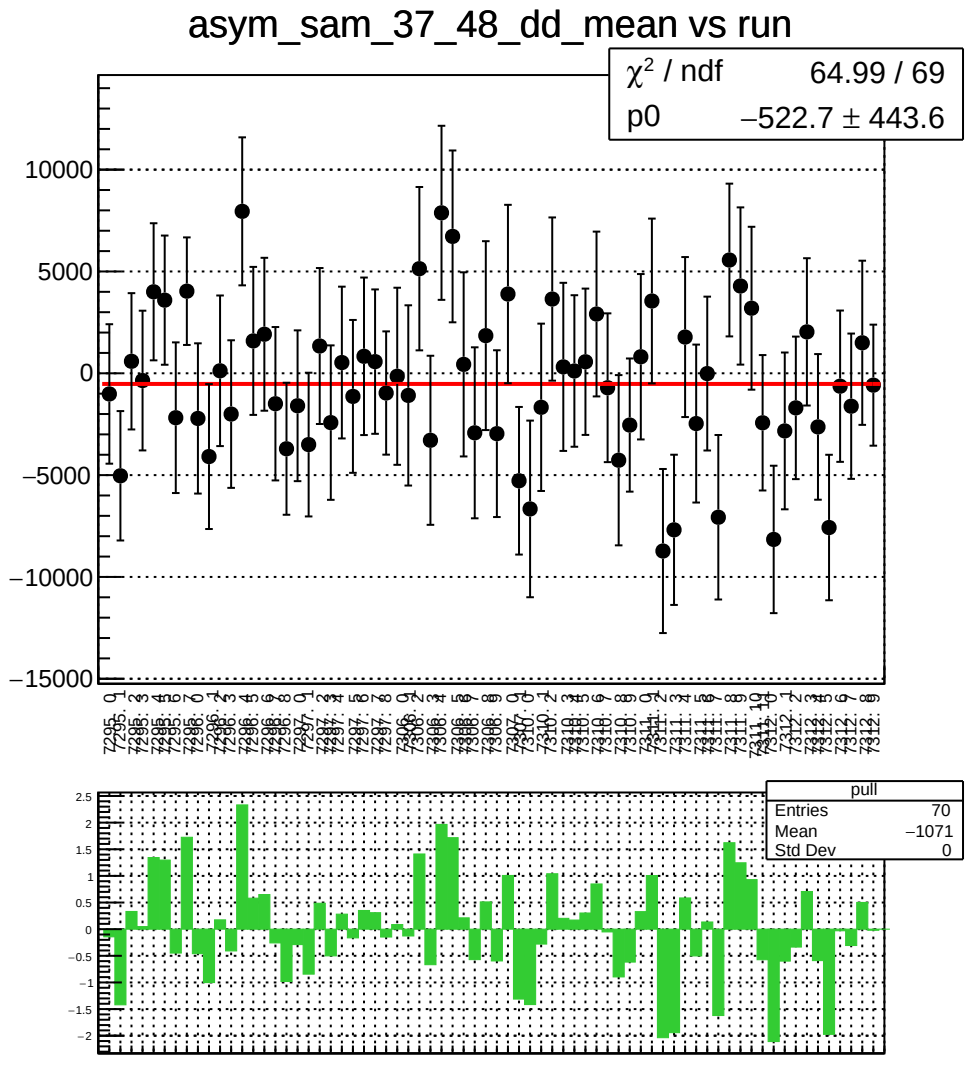

pull1D
Entries 70
Mean 0.00414
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

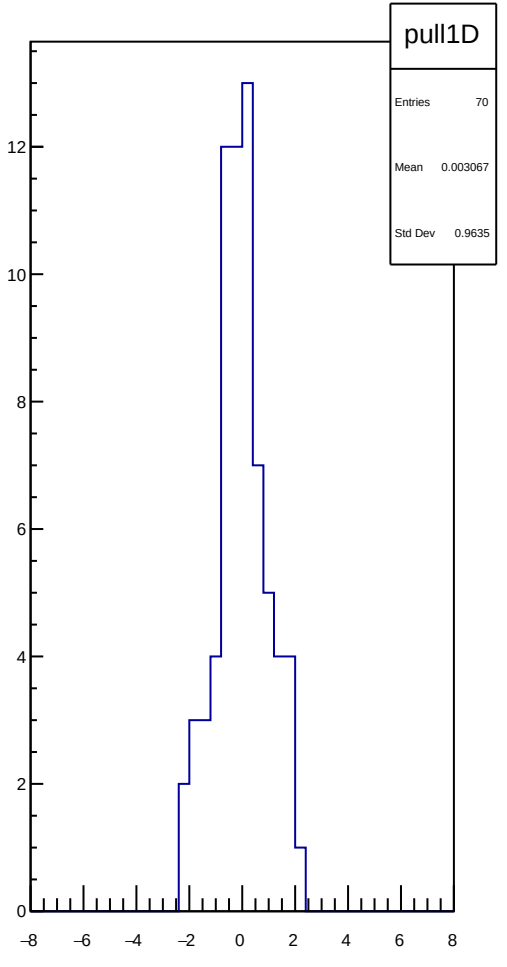

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 7.993e+04 / 69
p0 93.62 ± 0.08411
200
180
160
140
120
100
80
60

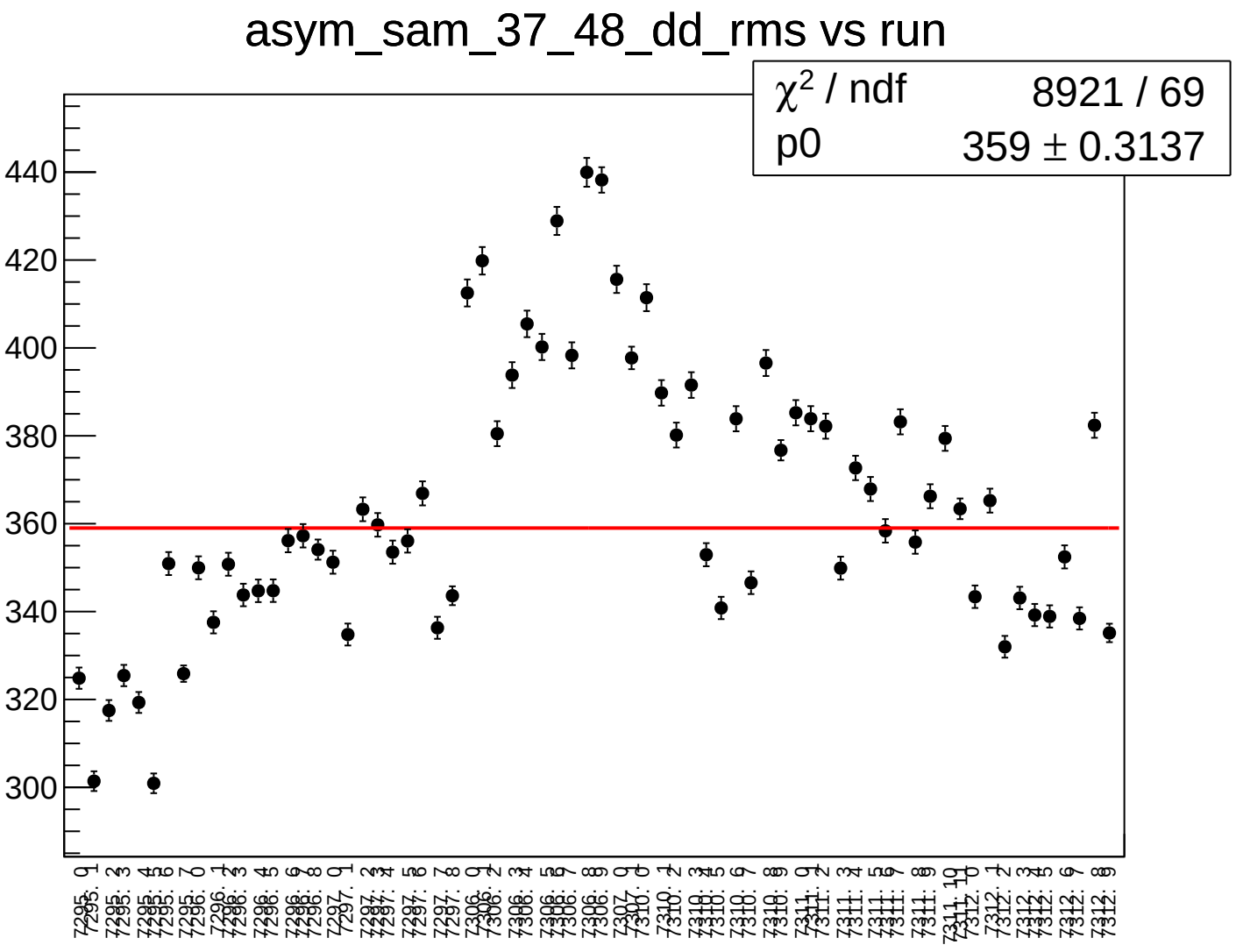

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.82 / 69
p0 494.4 ± 472.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 641.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

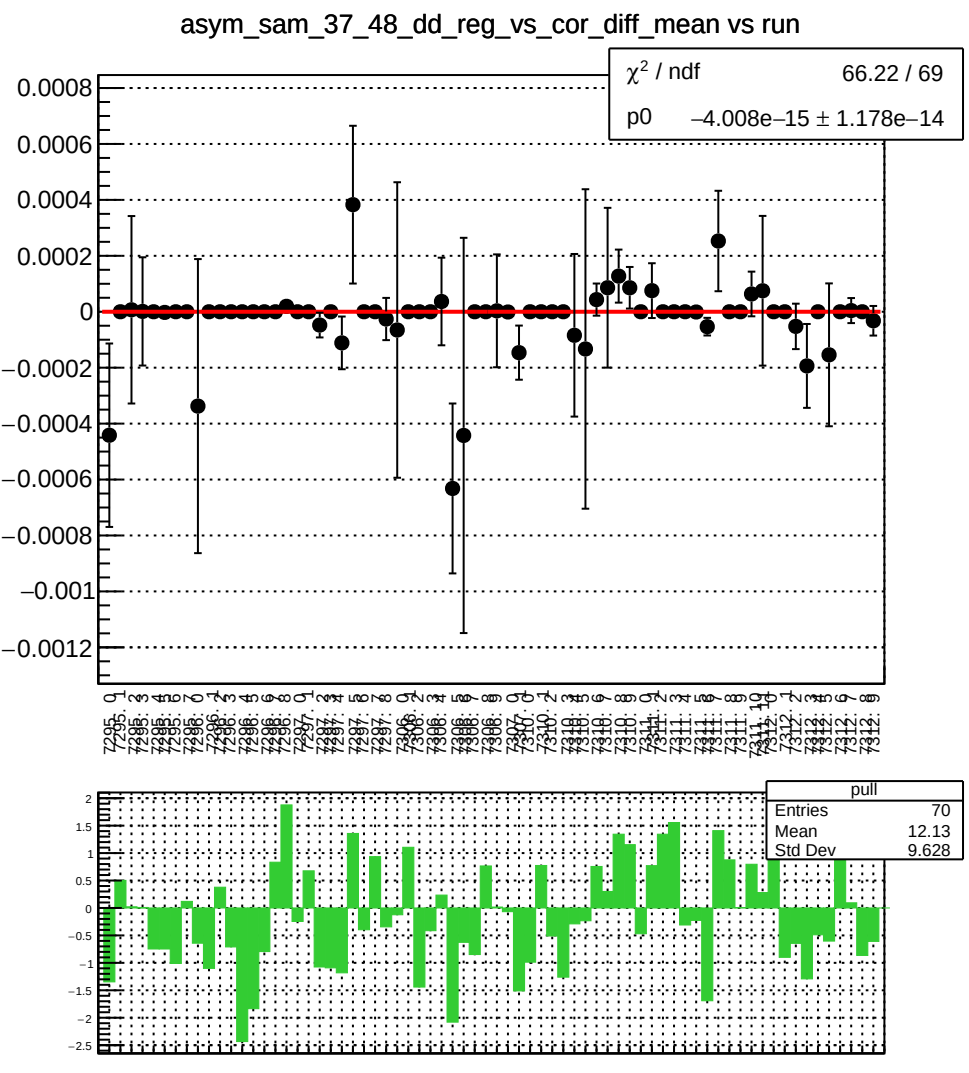

pull1D
Entries 70
Mean 0.00535
Std Dev 0.9473
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

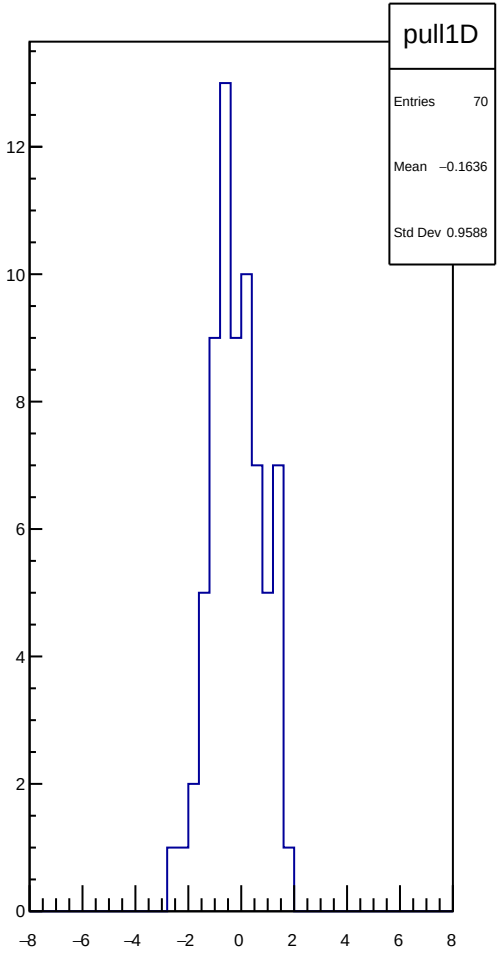

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 7370 / 69
p0 382.7 ± 0.3342
440
420
400
380
360
340
320

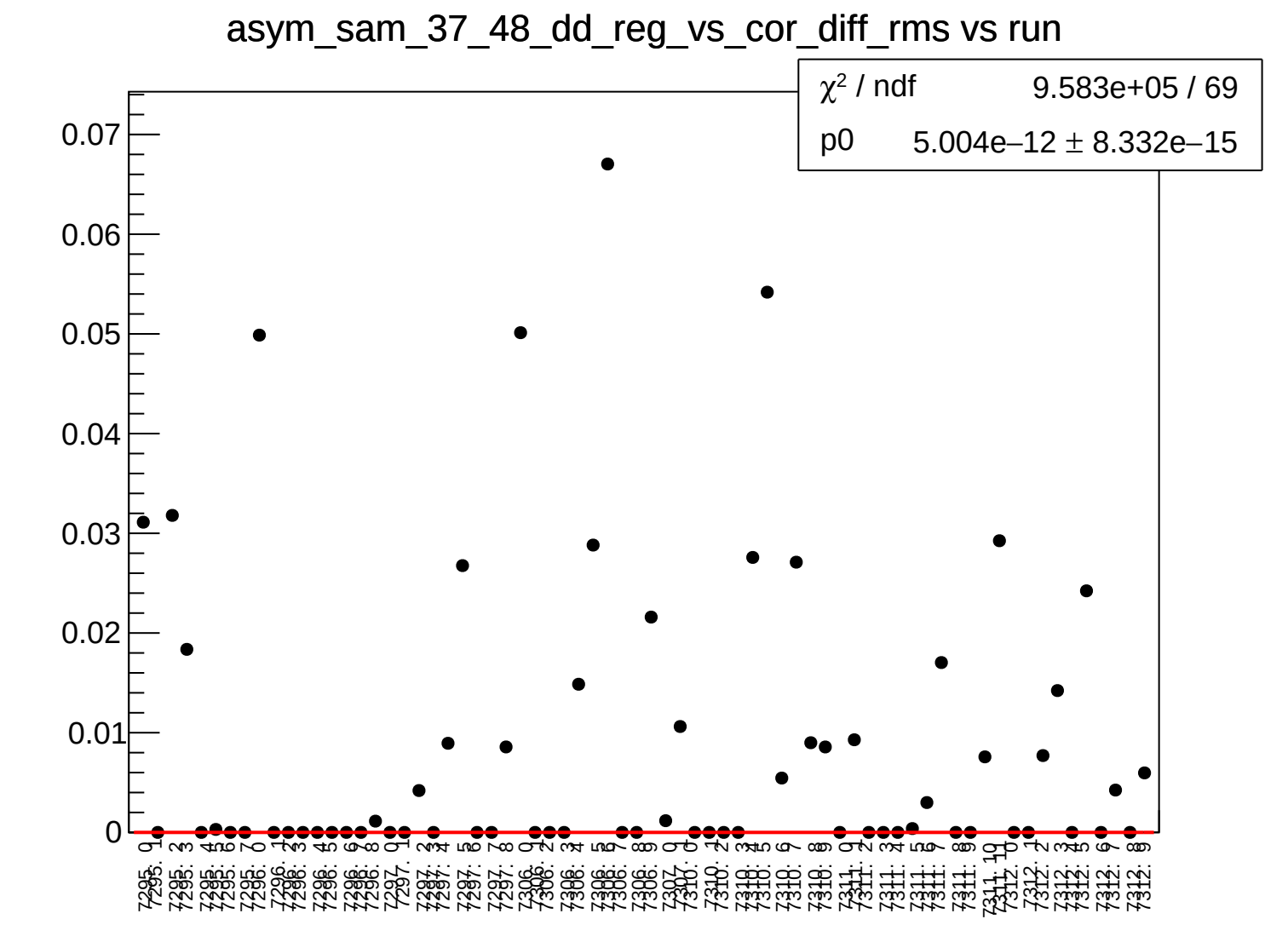

asym_sam_37_48_dd_mean vs run
χ² / ndf 64.99 / 69
p0 −522.7 ± 443.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean −1071
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

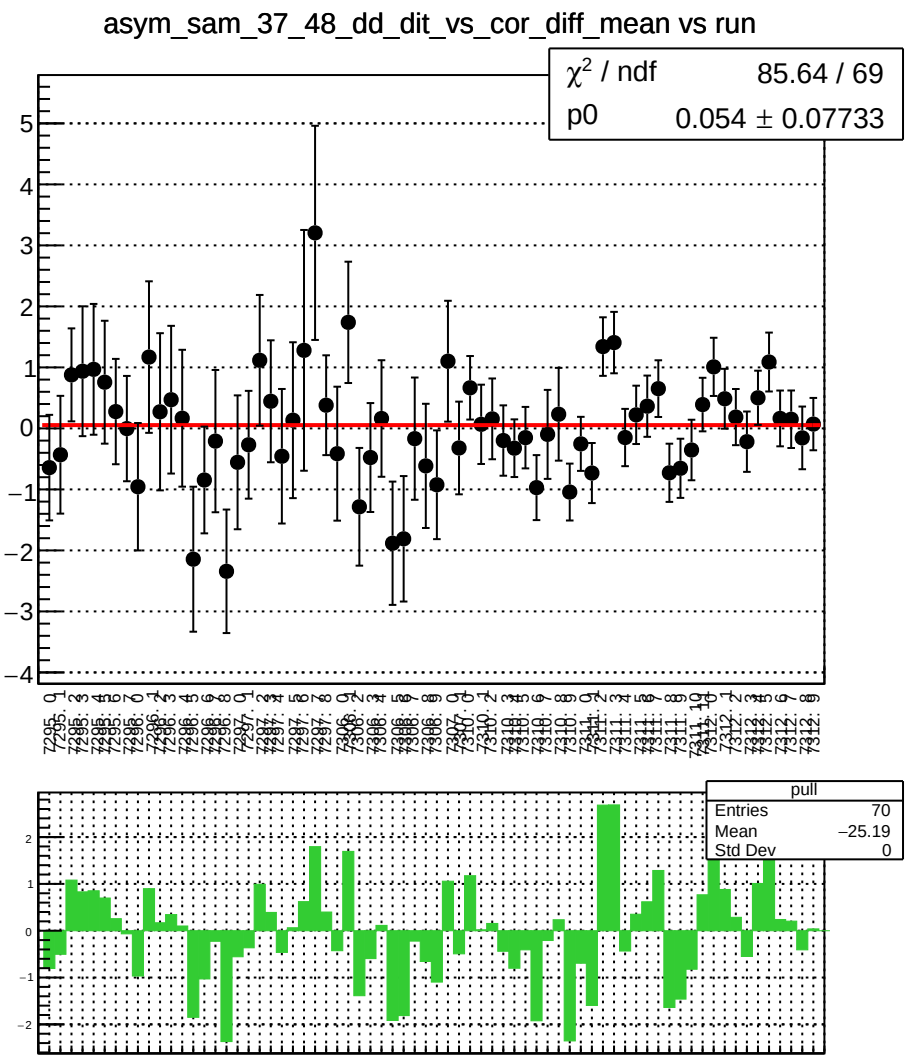

pull1D
Entries 70
Mean 0.003067
Std Dev 0.9635
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

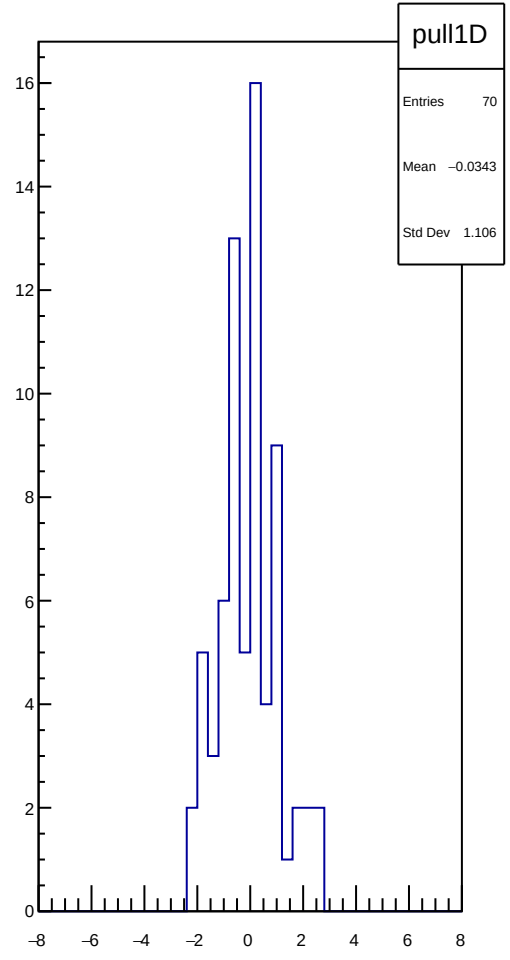

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 8921 / 69
p0 359 ± 0.3137
440
420
400
380
360
340
320
300

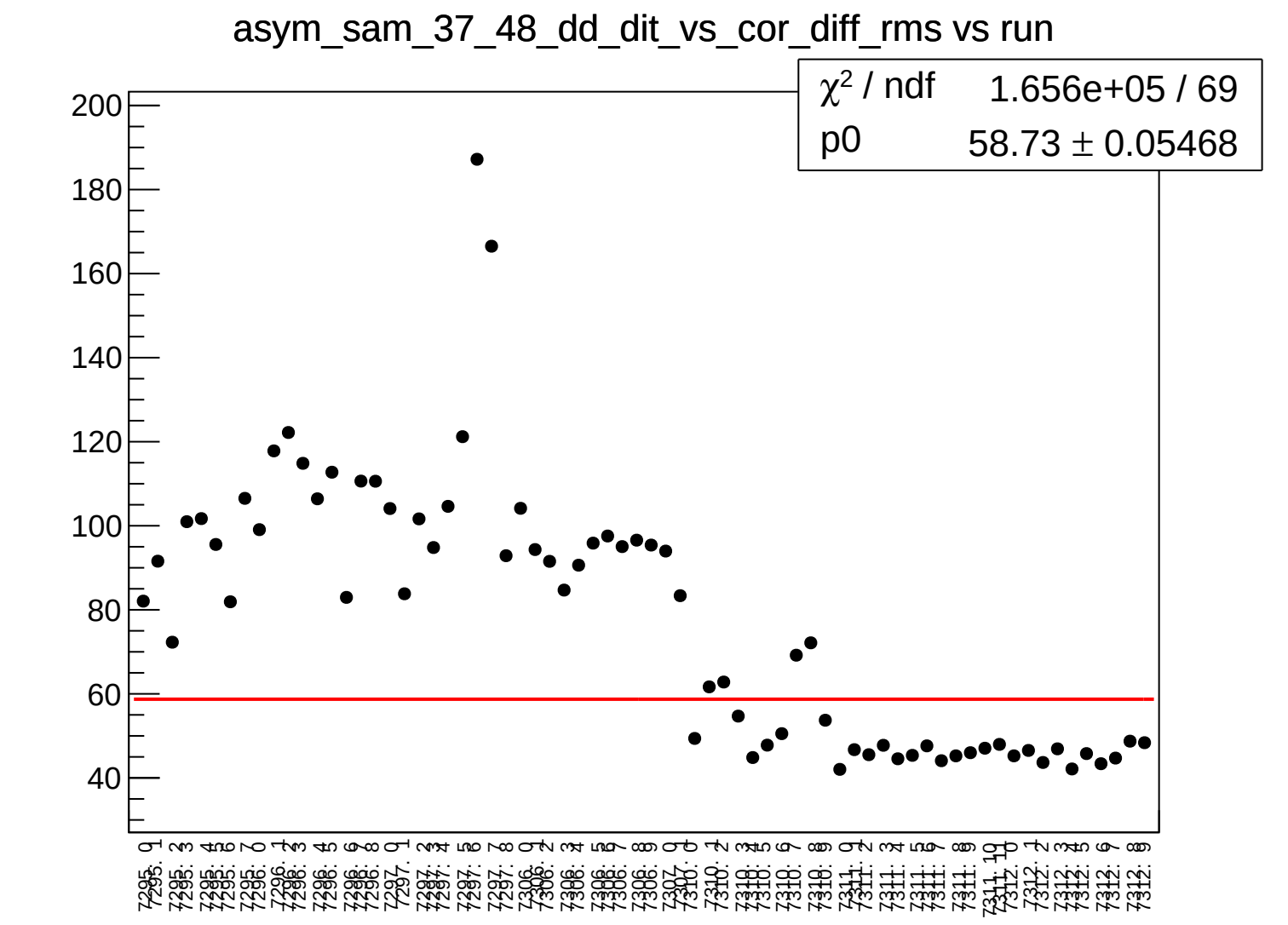

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.22 / 69
p0 −4.008e−15 ± 1.178e−14
pull
Entries 70
Mean 12.13
Std Dev 9.628

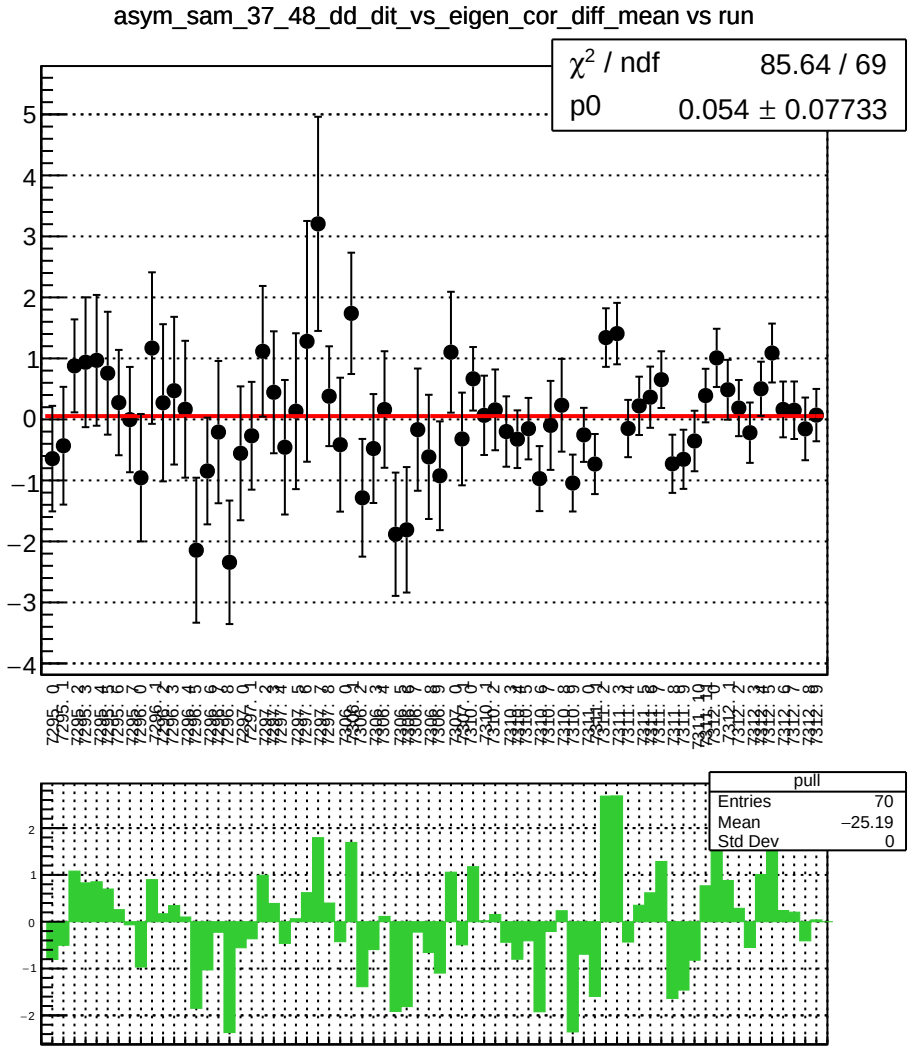

pull1D
Entries 70
Mean −0.1636
Std Dev 0.9588

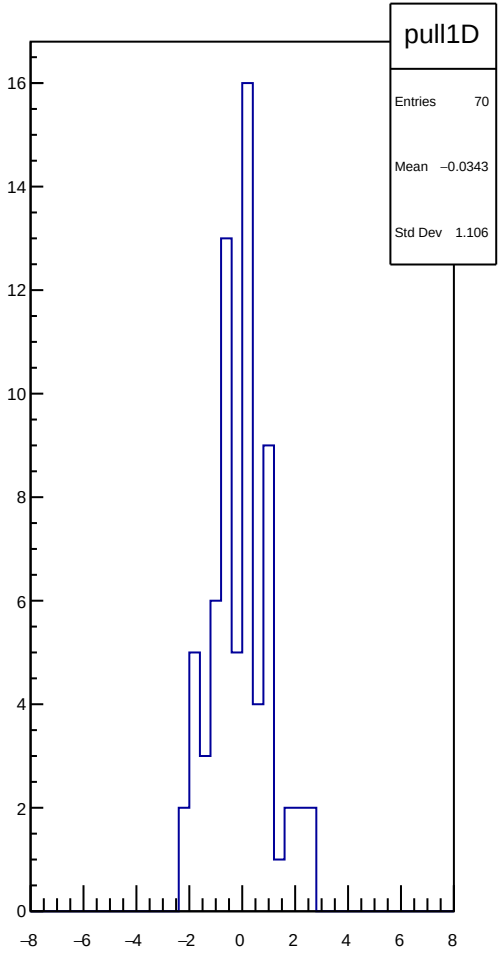

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.583e+05 / 69
p0 5.004e−12 ± 8.332e−15
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

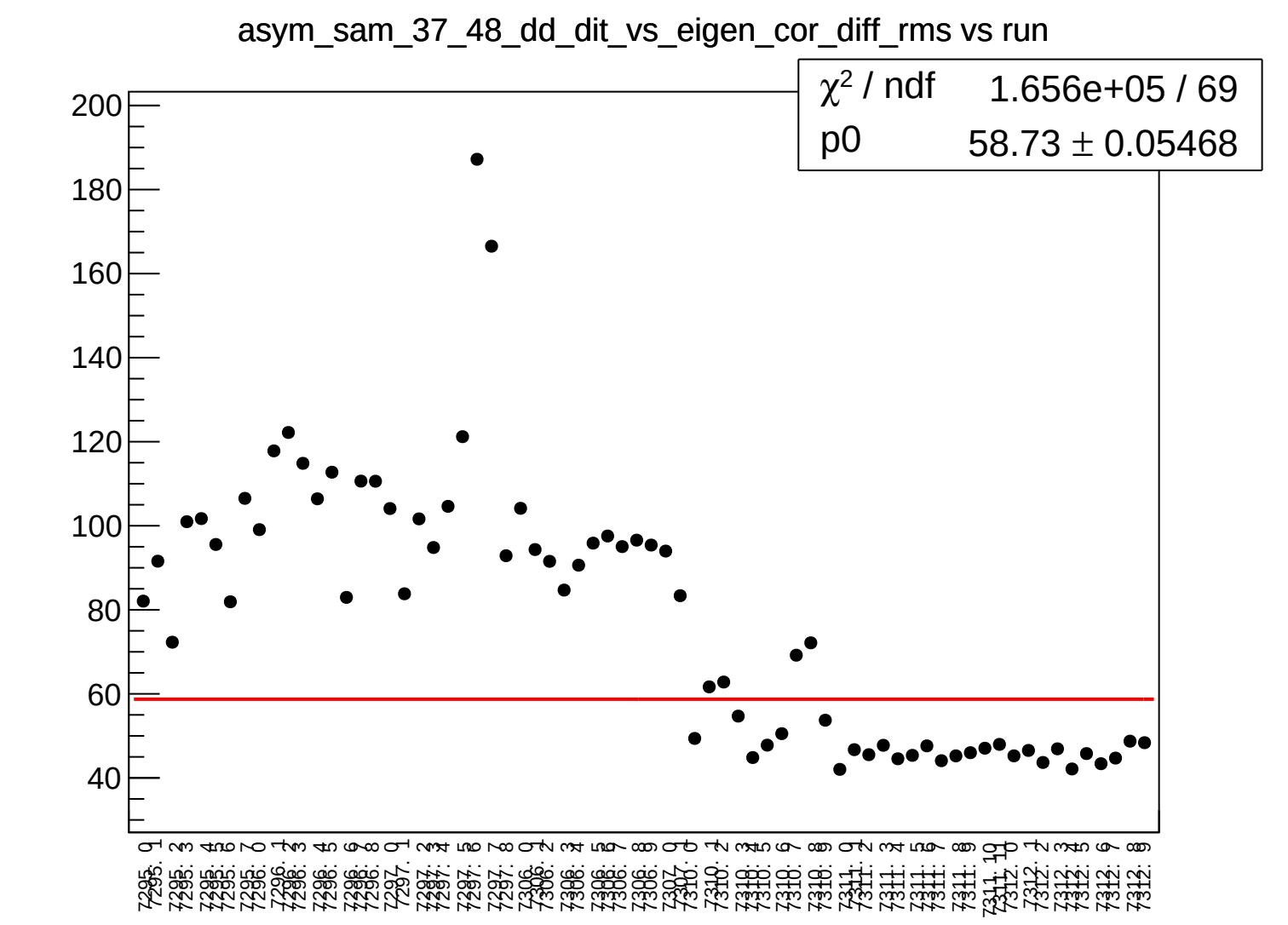

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.64 / 69
p0 0.054 ± 0.07733
pull
Entries 70
Mean −25.19
Std Dev 0

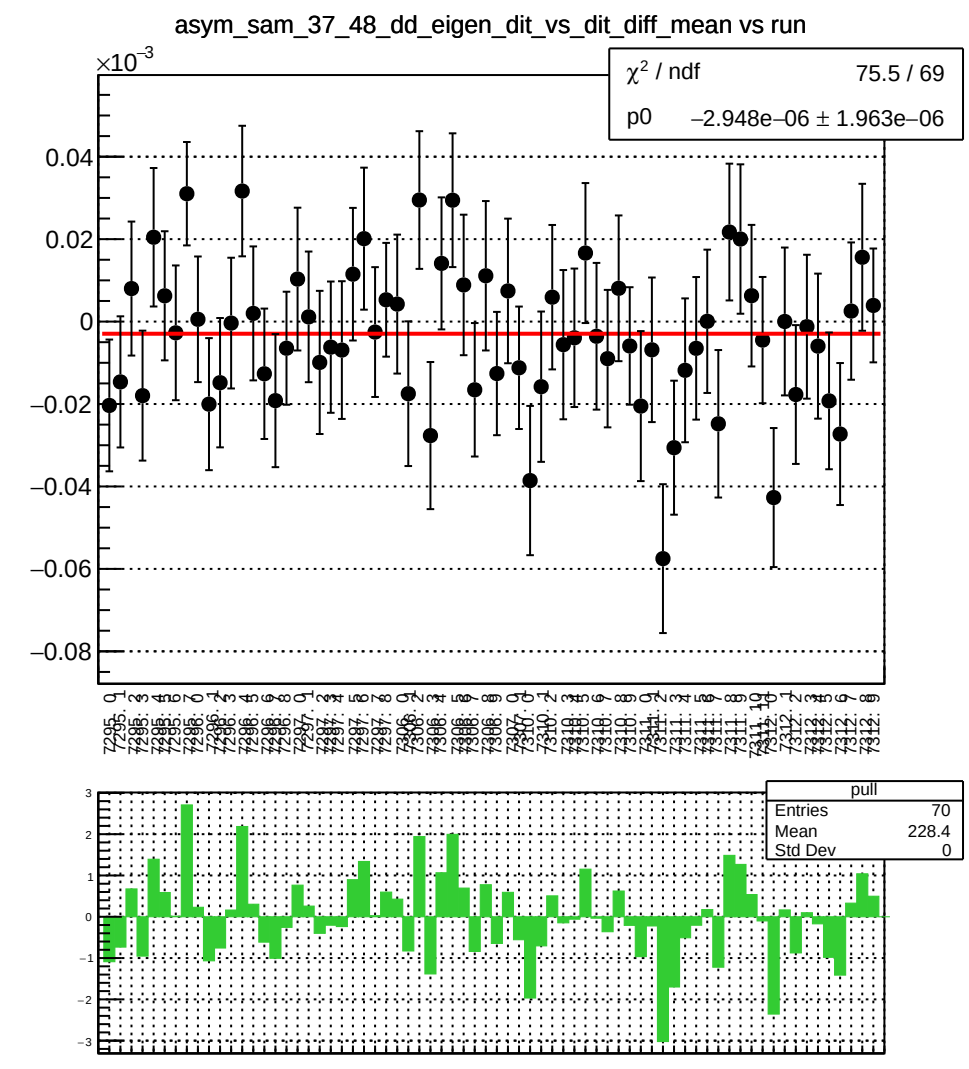

pull1D
Entries 70
Mean −0.0343
Std Dev 1.106

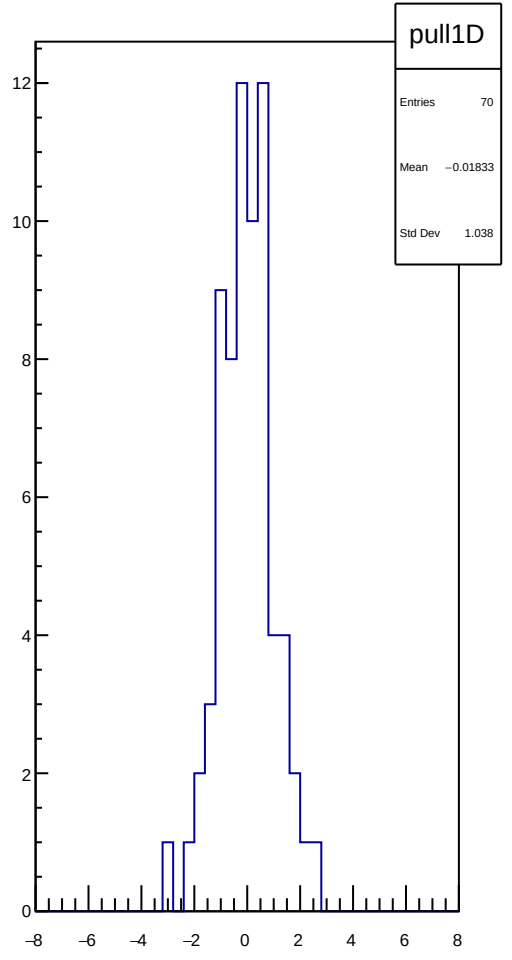

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 69
p0 58.73 ± 0.05468
200
180
160
140
120
100
80
60
40

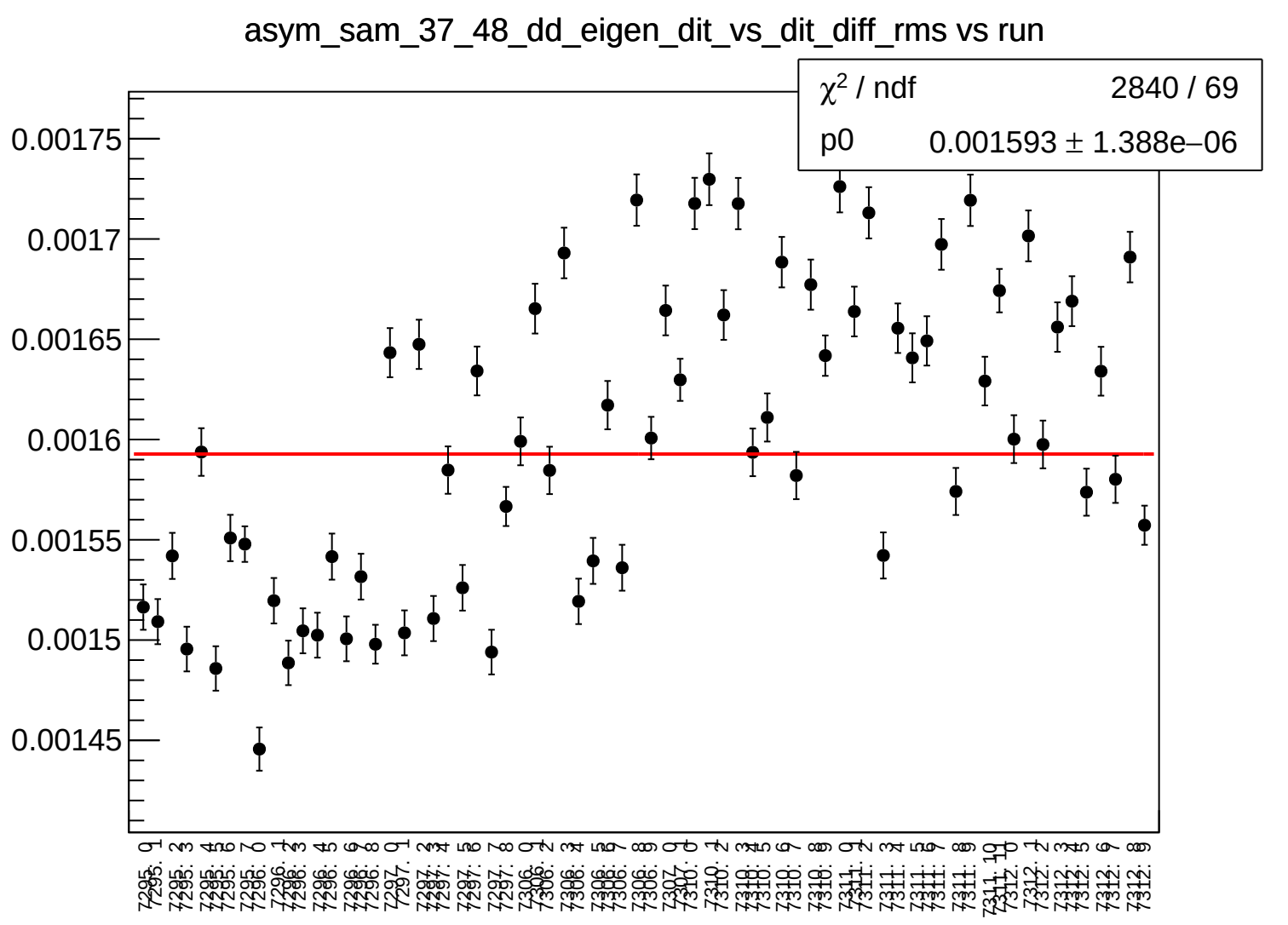

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.64 / 69
p0 0.054 ± 0.07733
pull
Entries 70
Mean −25.19
Std Dev 0

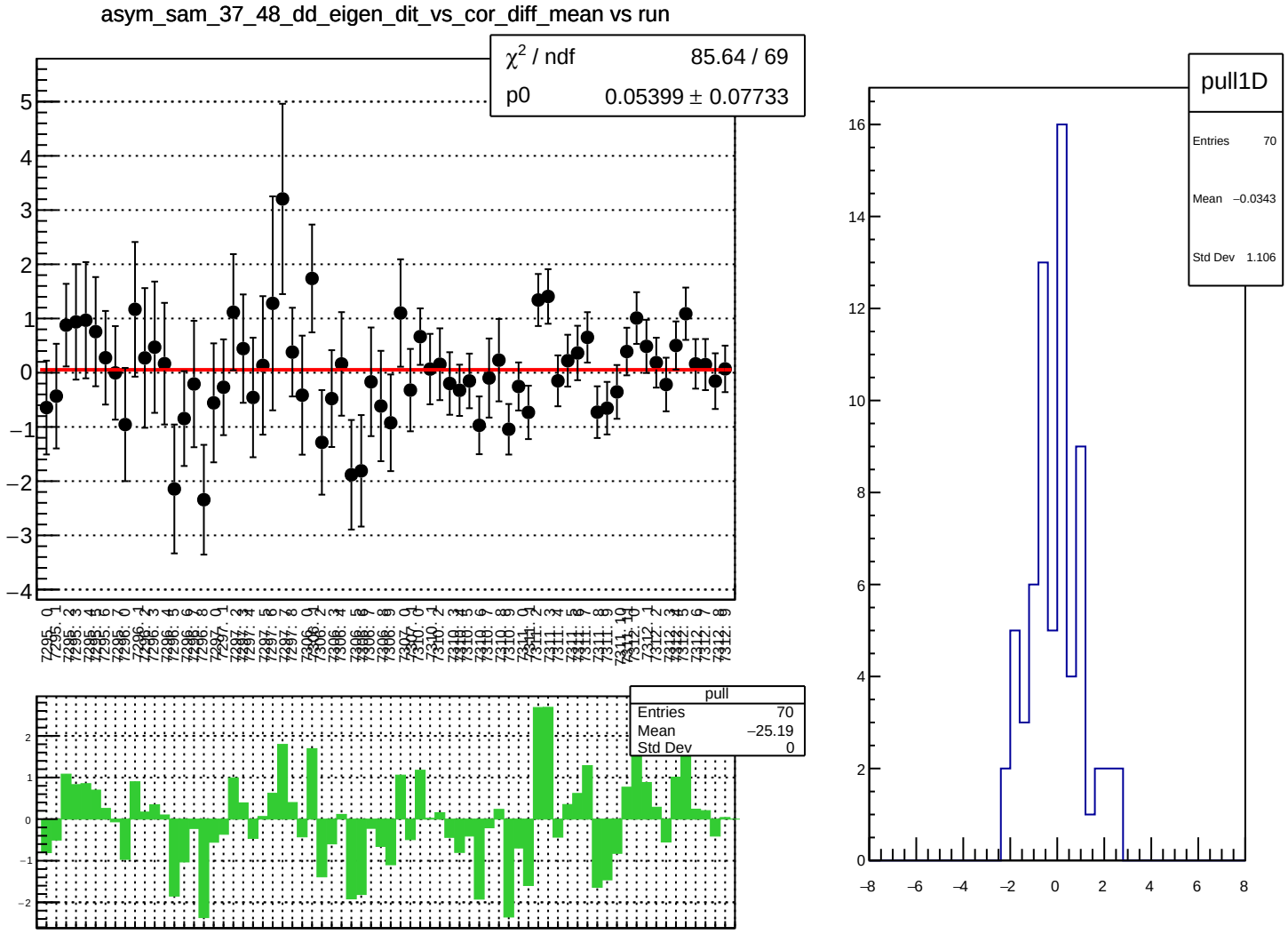

pull1D
Entries 70
Mean −0.0343
Std Dev 1.106

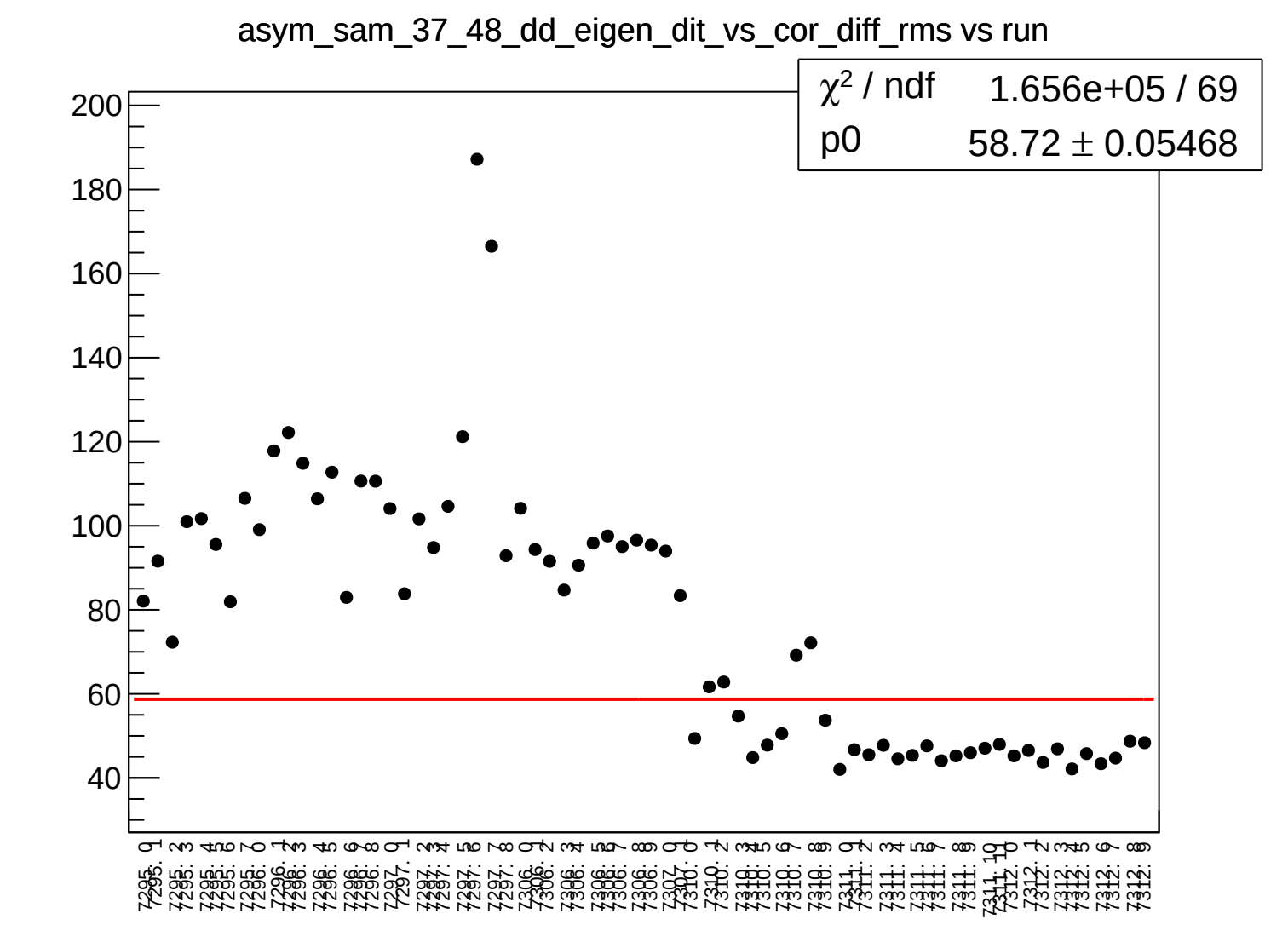

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 69
p0 58.73 ± 0.05468
200
180
160
140
120
100
80
60
40


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.5 / 69
p0 −2.948e−06 ± 1.963e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 70
Mean 228.4
Std Dev 0
3
2
1
0
−1
−2
−3

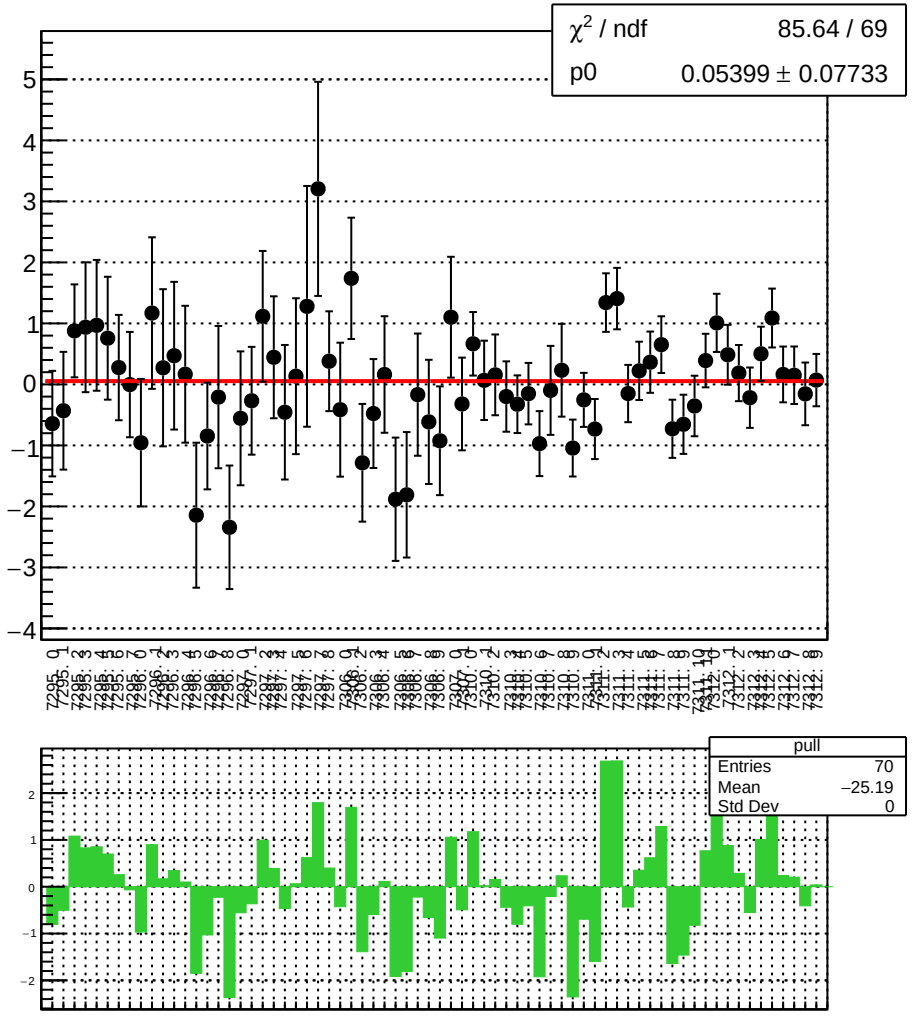

pull1D
Entries 70
Mean −0.01833
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

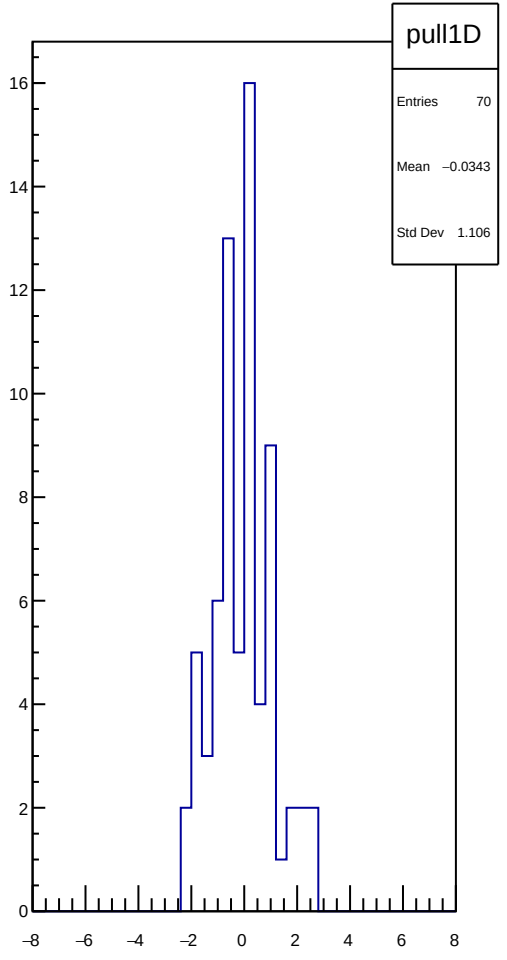

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2840 / 69
p0 0.001593 ± 1.388e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145

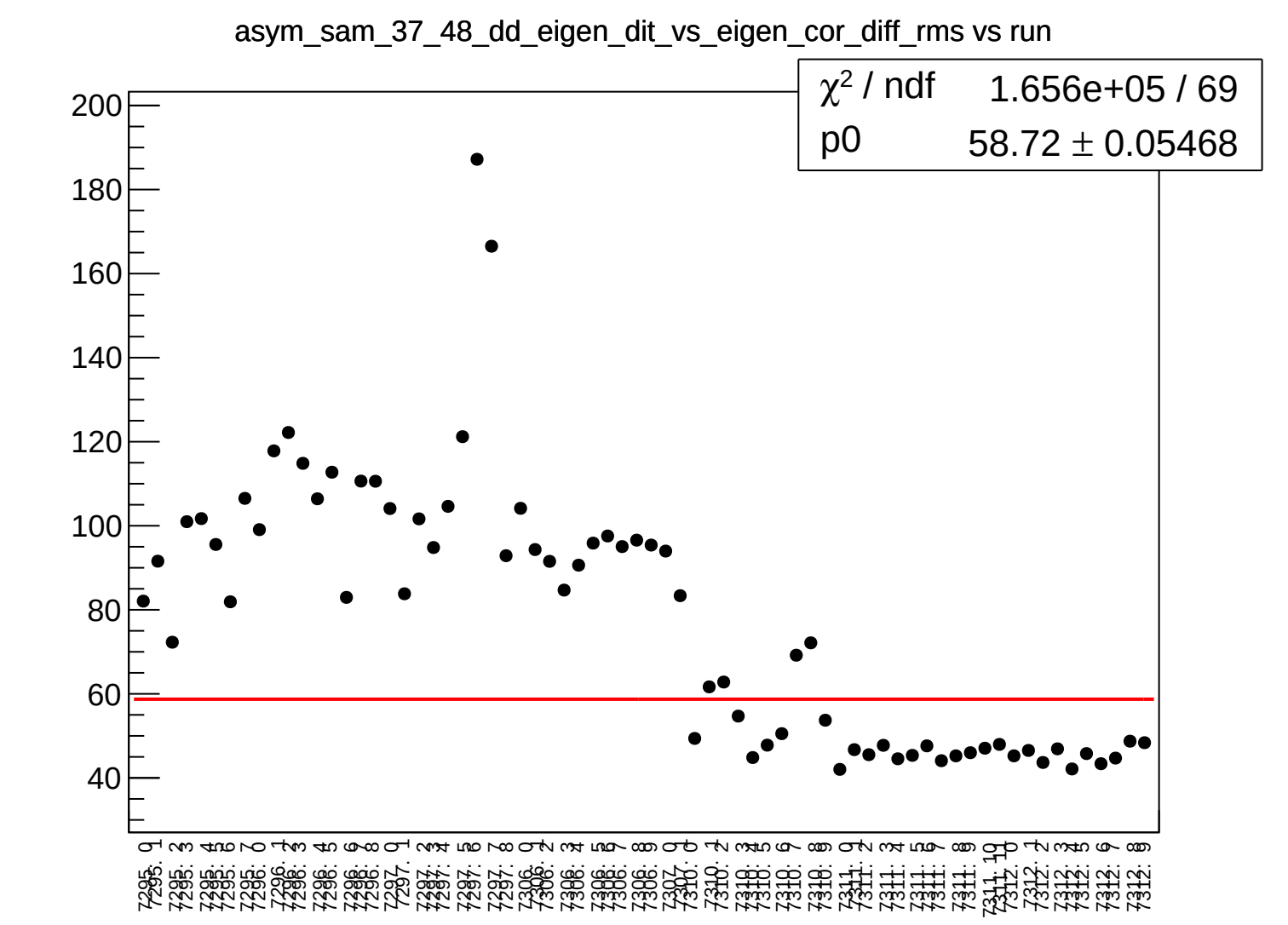

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.64 / 69
p0 0.05399 ± 0.07733
pull
Entries 70
Mean −25.19
Std Dev 0
pull1D
Entries 70
Mean −0.0343
Std Dev 1.106

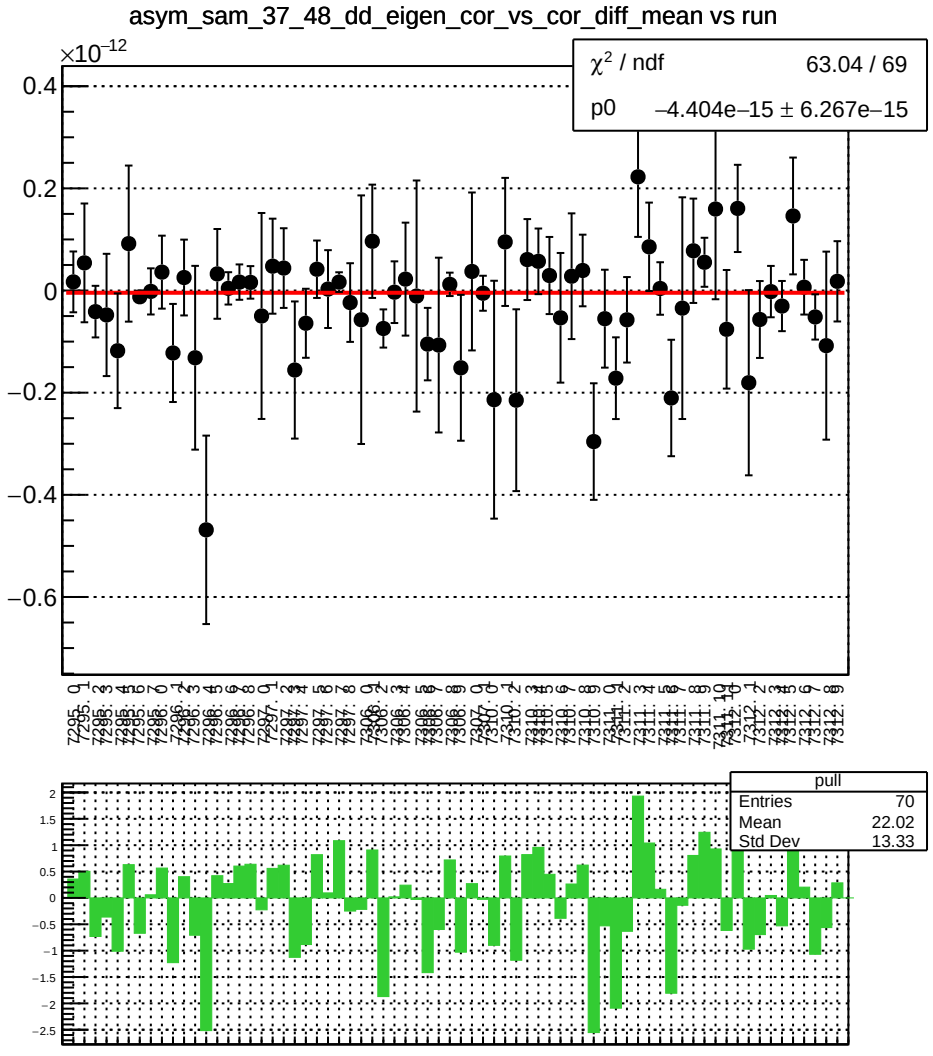

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 69
p0 58.72 ± 0.05468
200
180
160
140
120
100
80
60
40

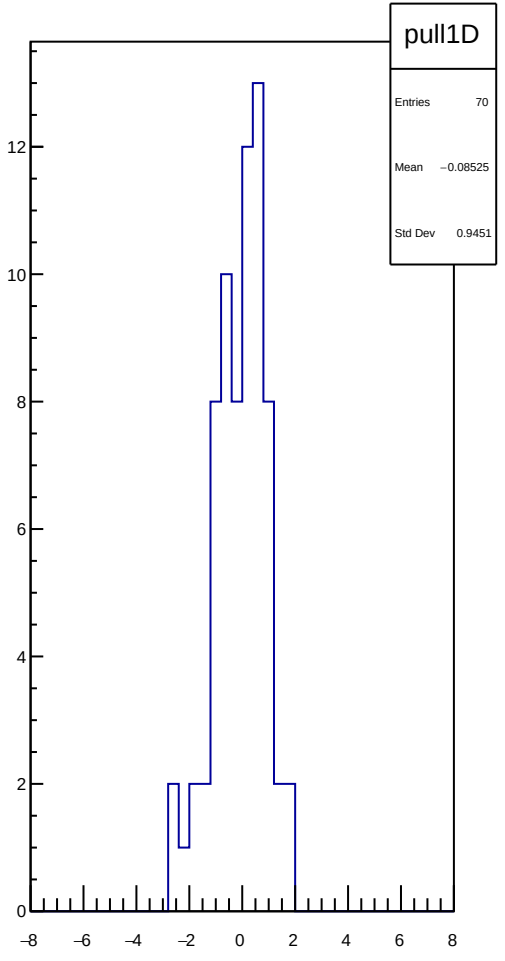
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

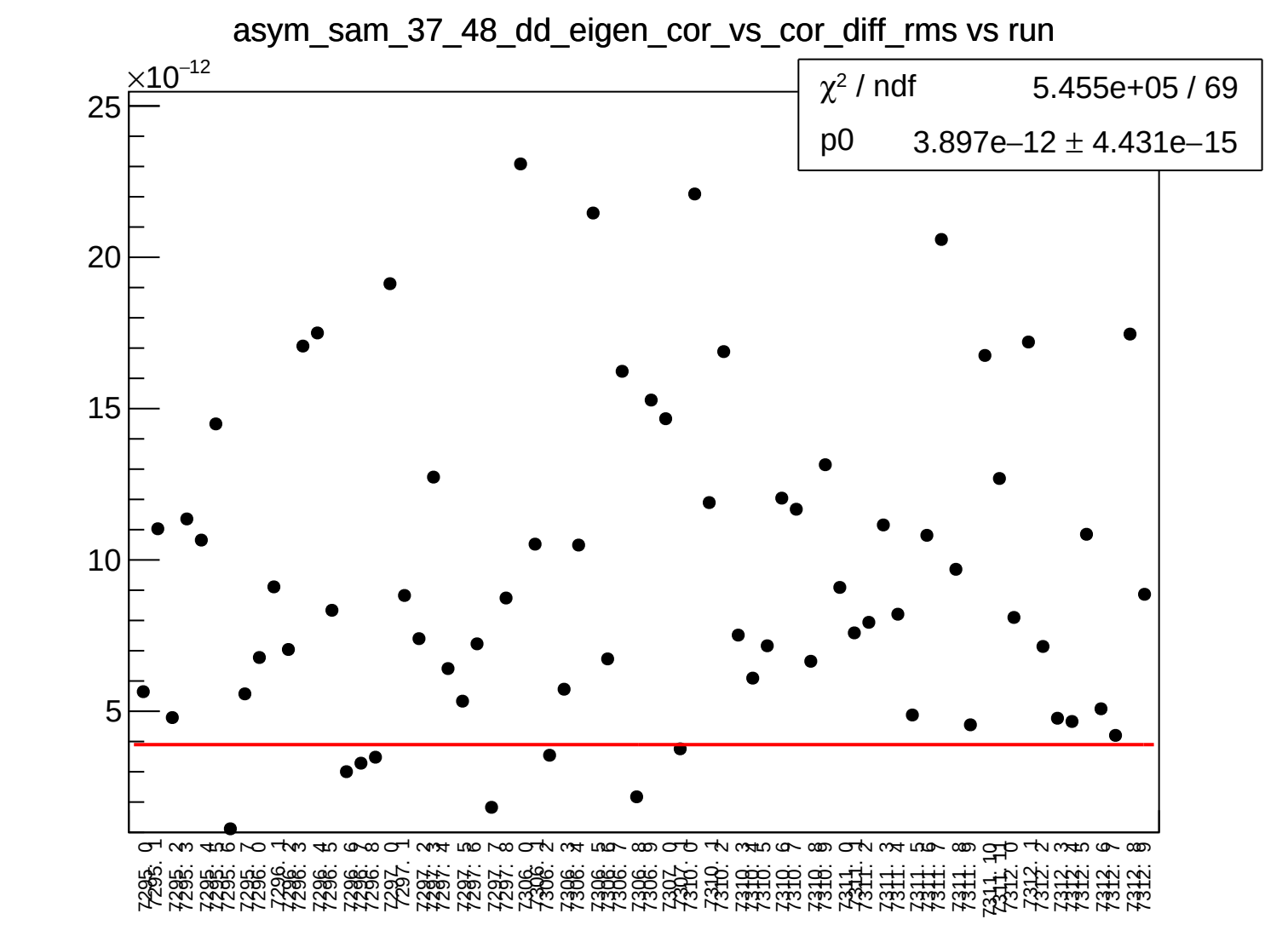


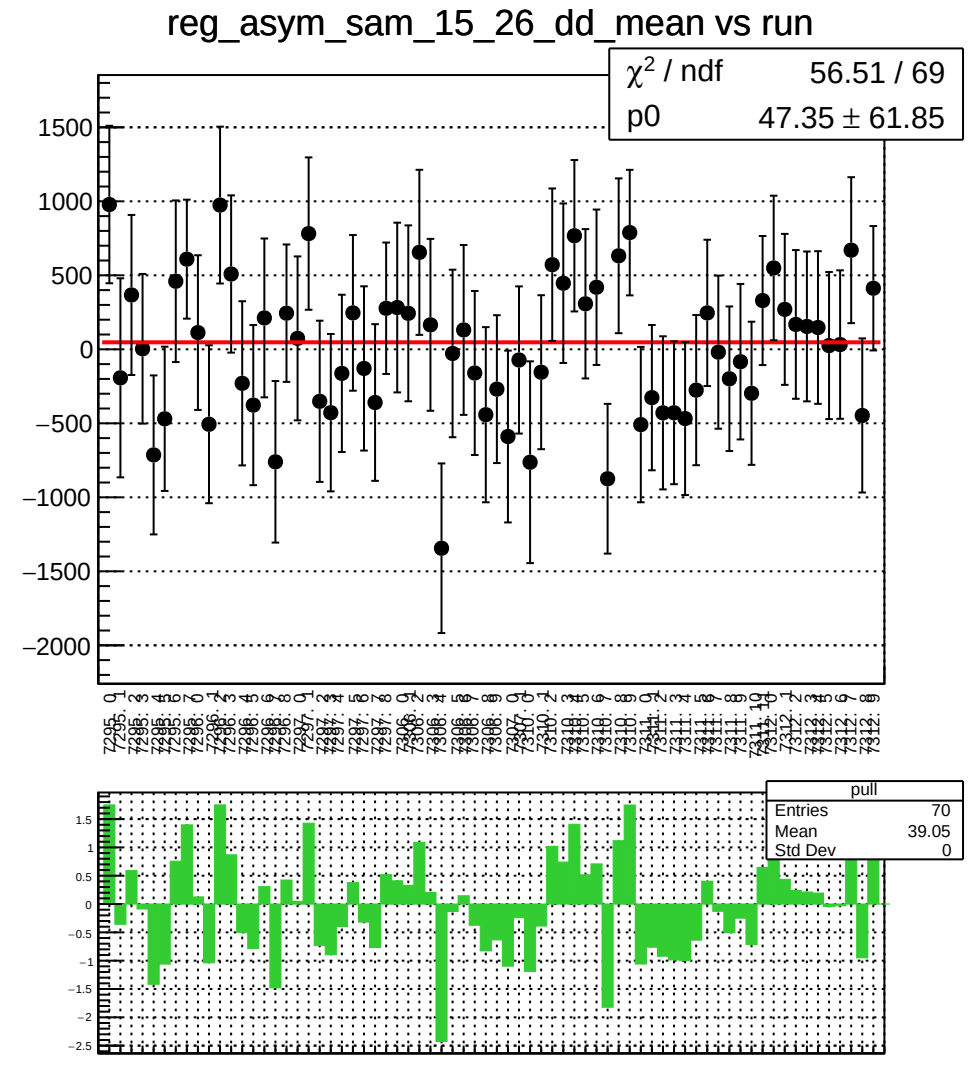


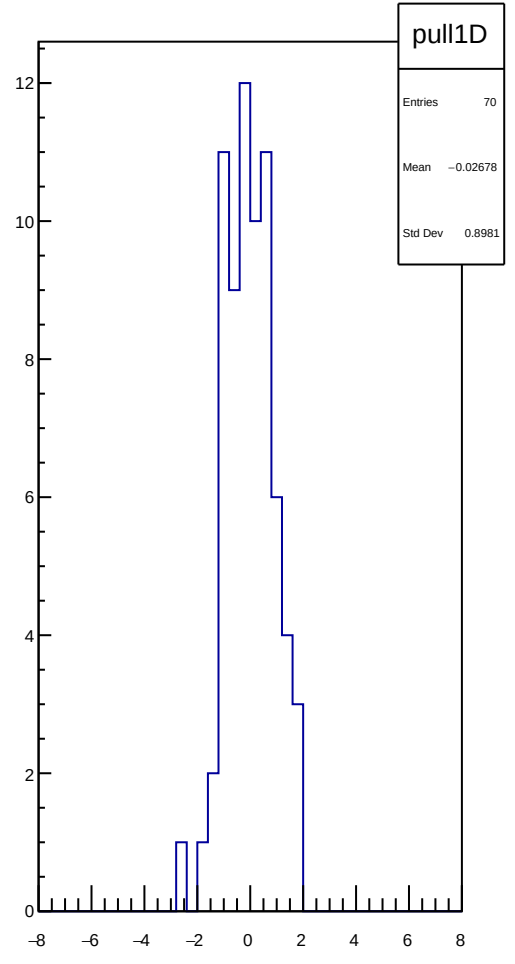

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 69
p0 58.72 ± 0.05468
200
180
160
140
120
100
80
60
40

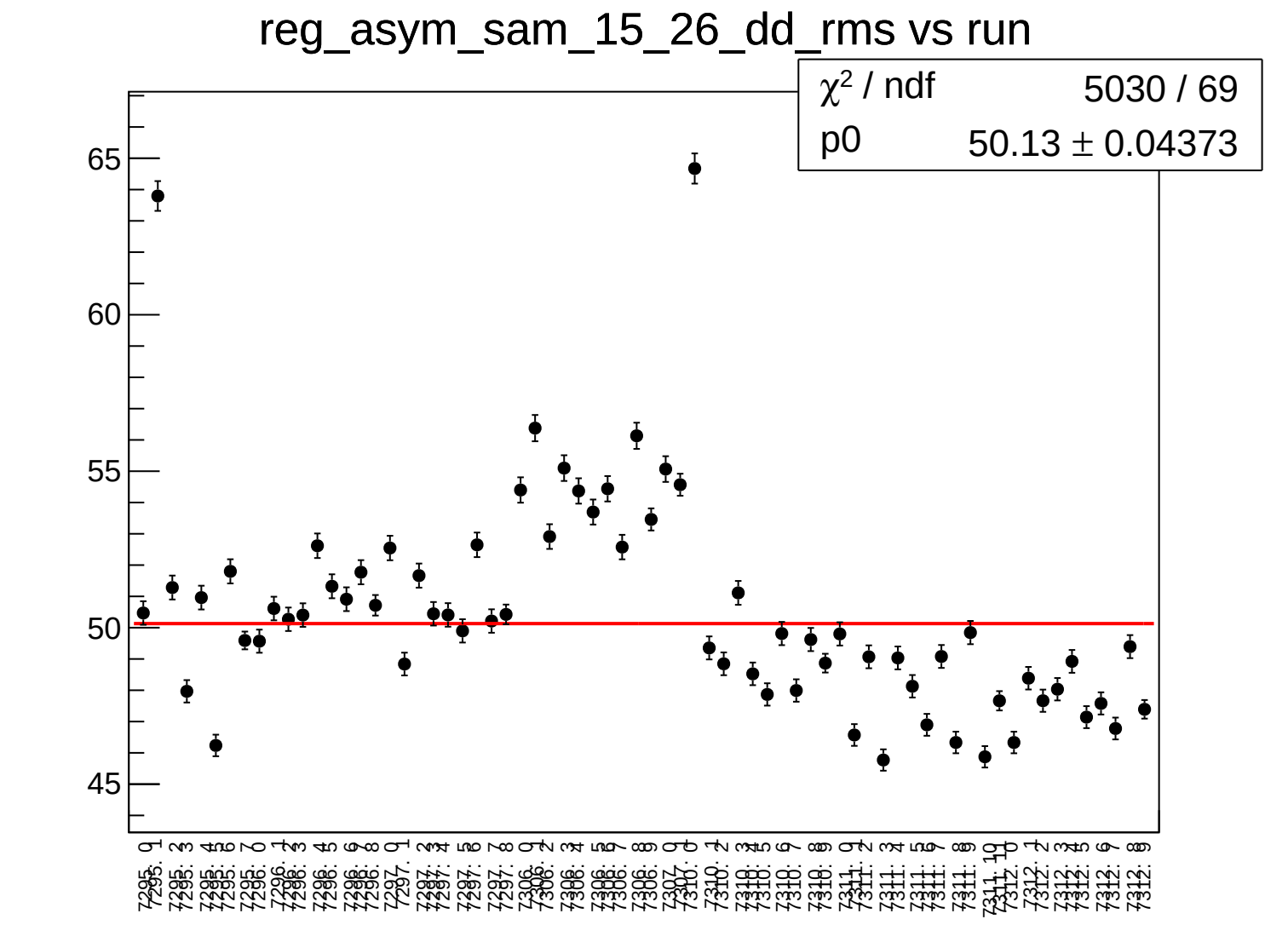

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.04 / 69
p0 −4.404e−15 ± 6.267e−15
pull
Entries 70
Mean 22.02
Std Dev 13.33

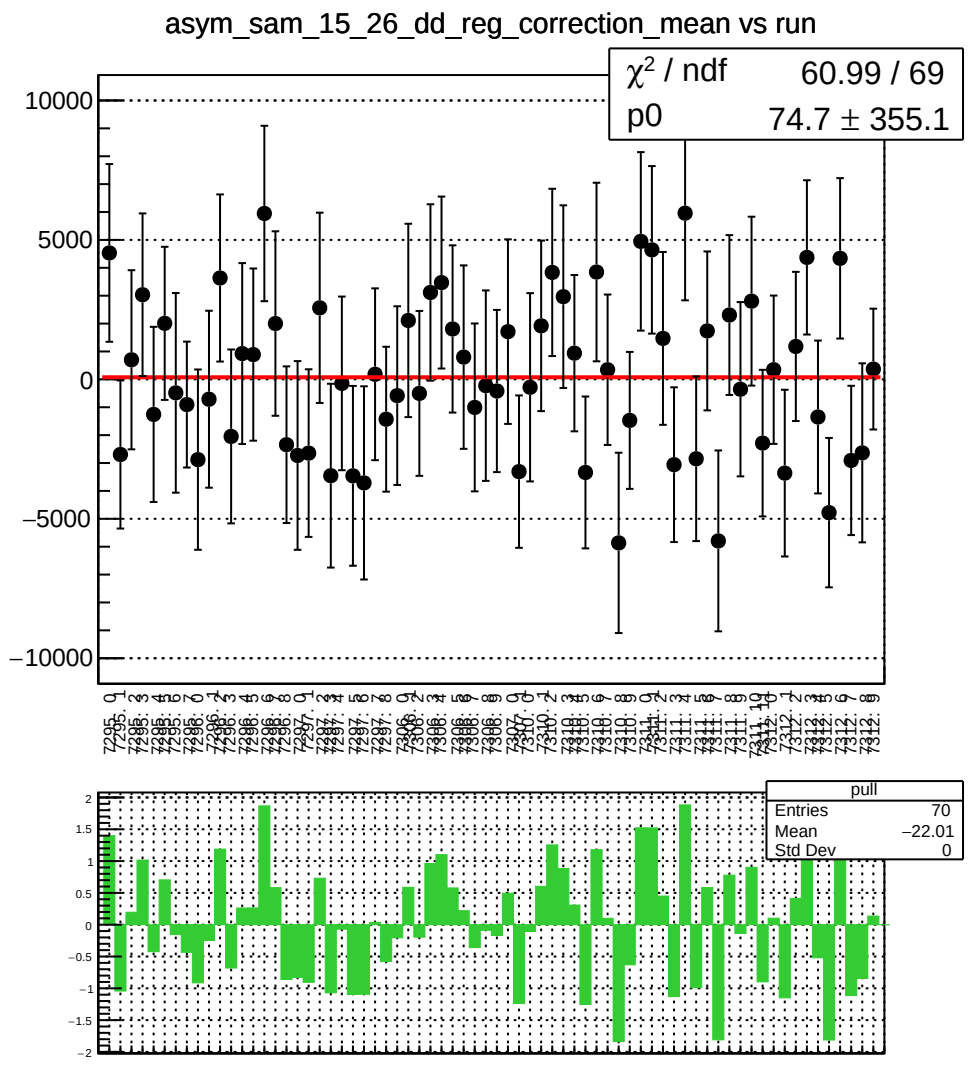

pull1D
Entries 70
Mean −0.08525
Std Dev 0.9451

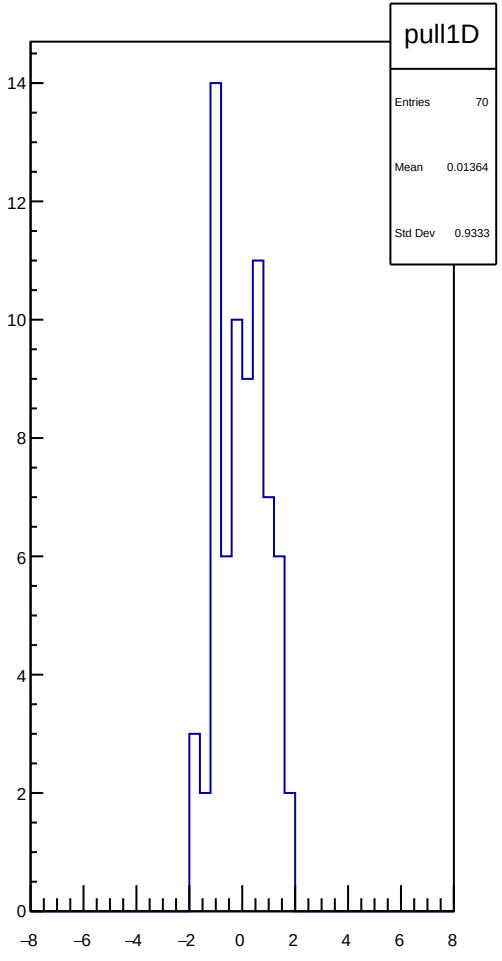

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.455e+05 / 69
p0 3.897e−12 ± 4.431e−15
25
20
15
10
5

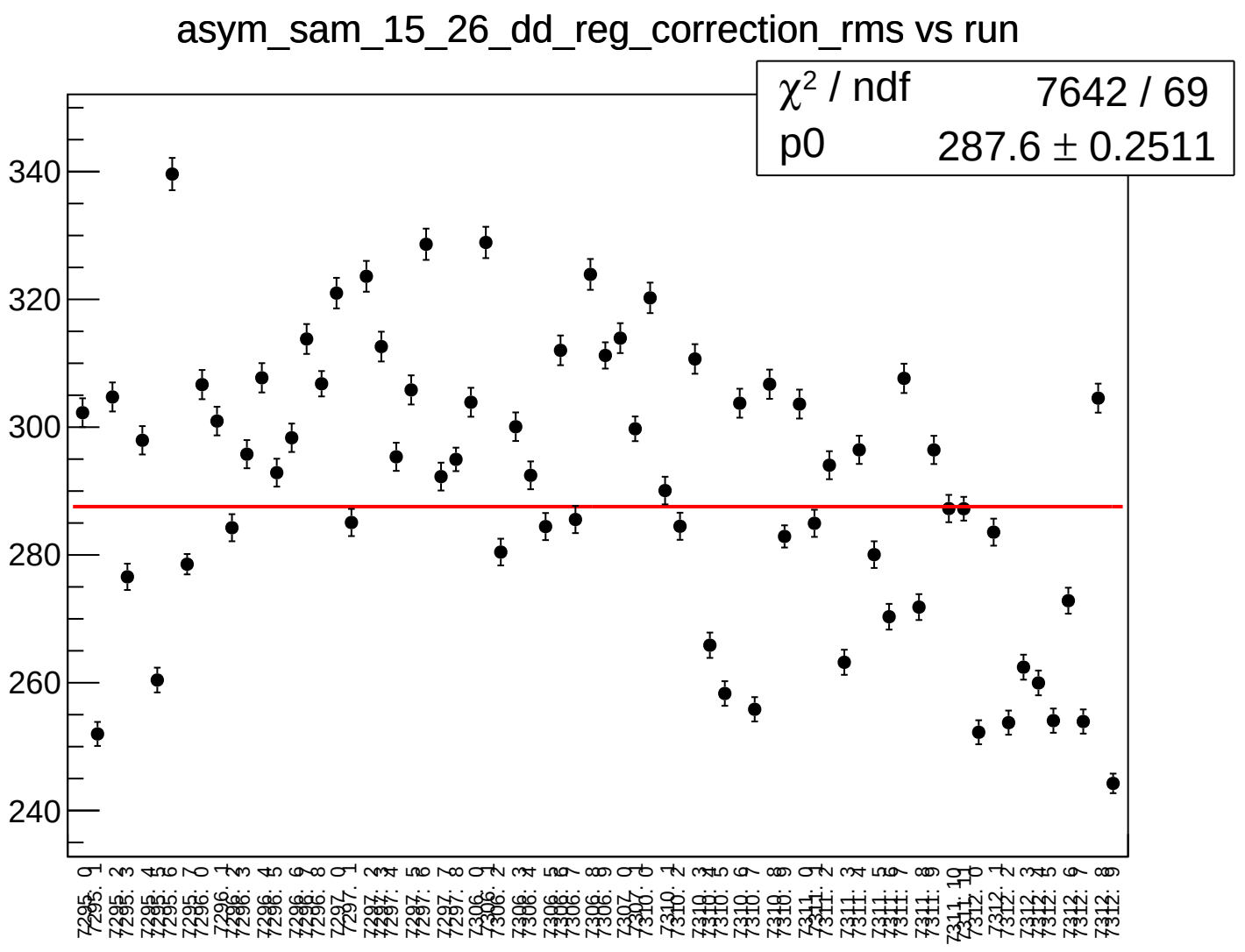

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 56.51 / 69
p0 47.35 ± 61.85
pull
Entries 70
Mean 39.05
Std Dev 0

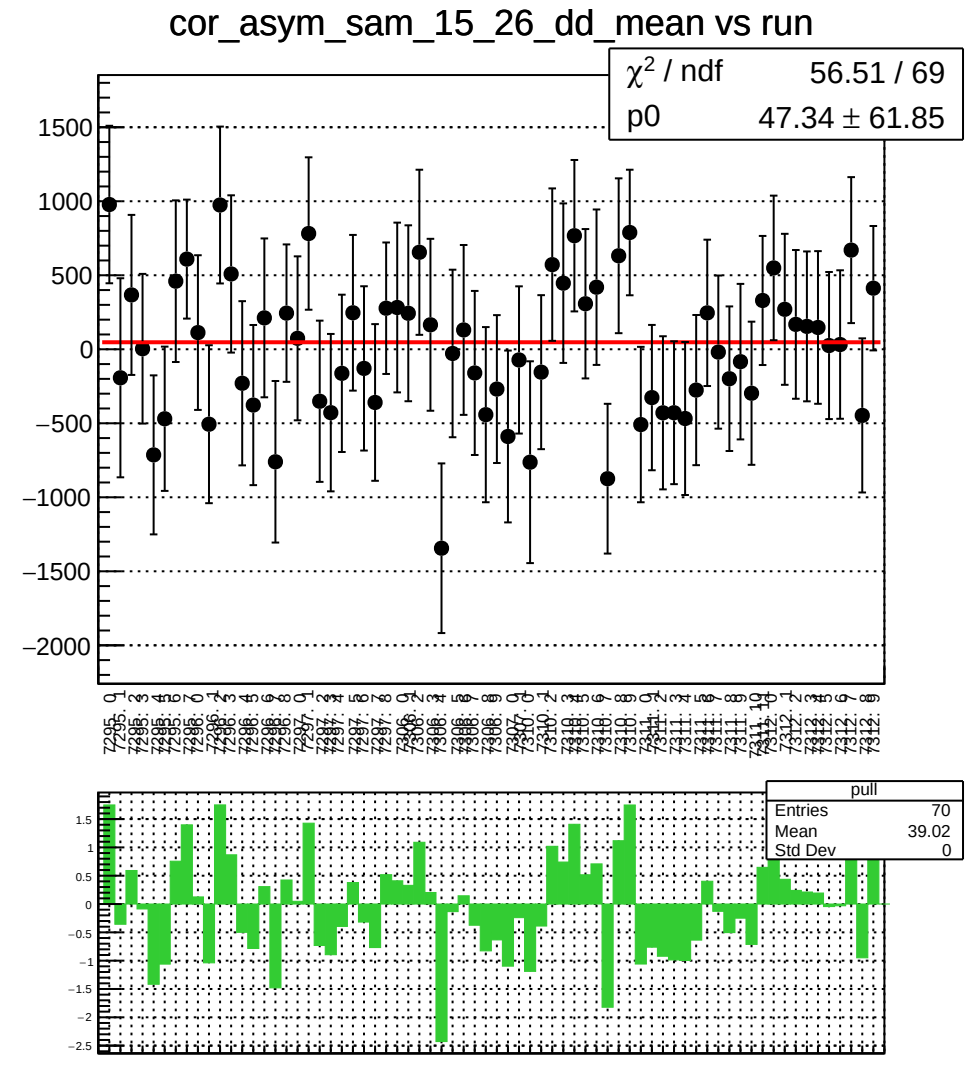

pull1D
Entries 70
Mean −0.02678
Std Dev 0.8981

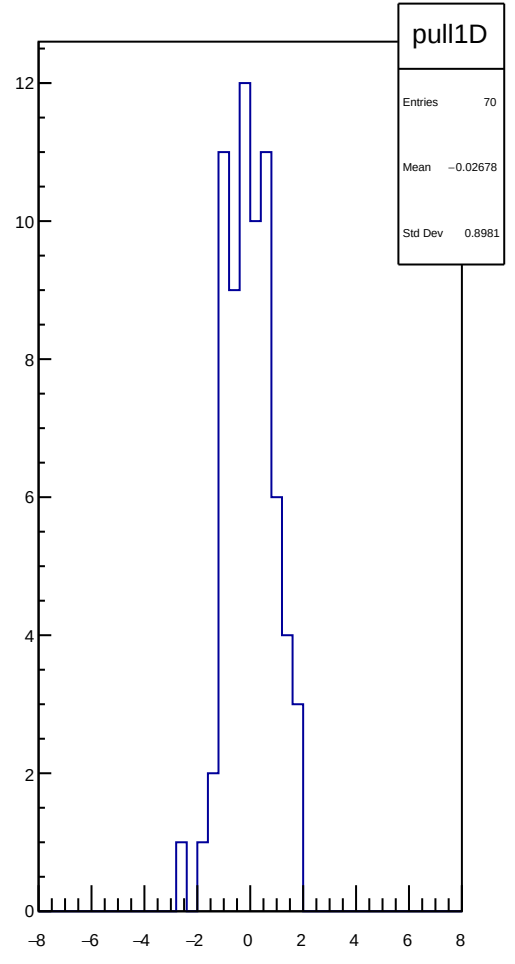

reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5030 / 69
p0 50.13 ± 0.04373
65
60
55
50
45

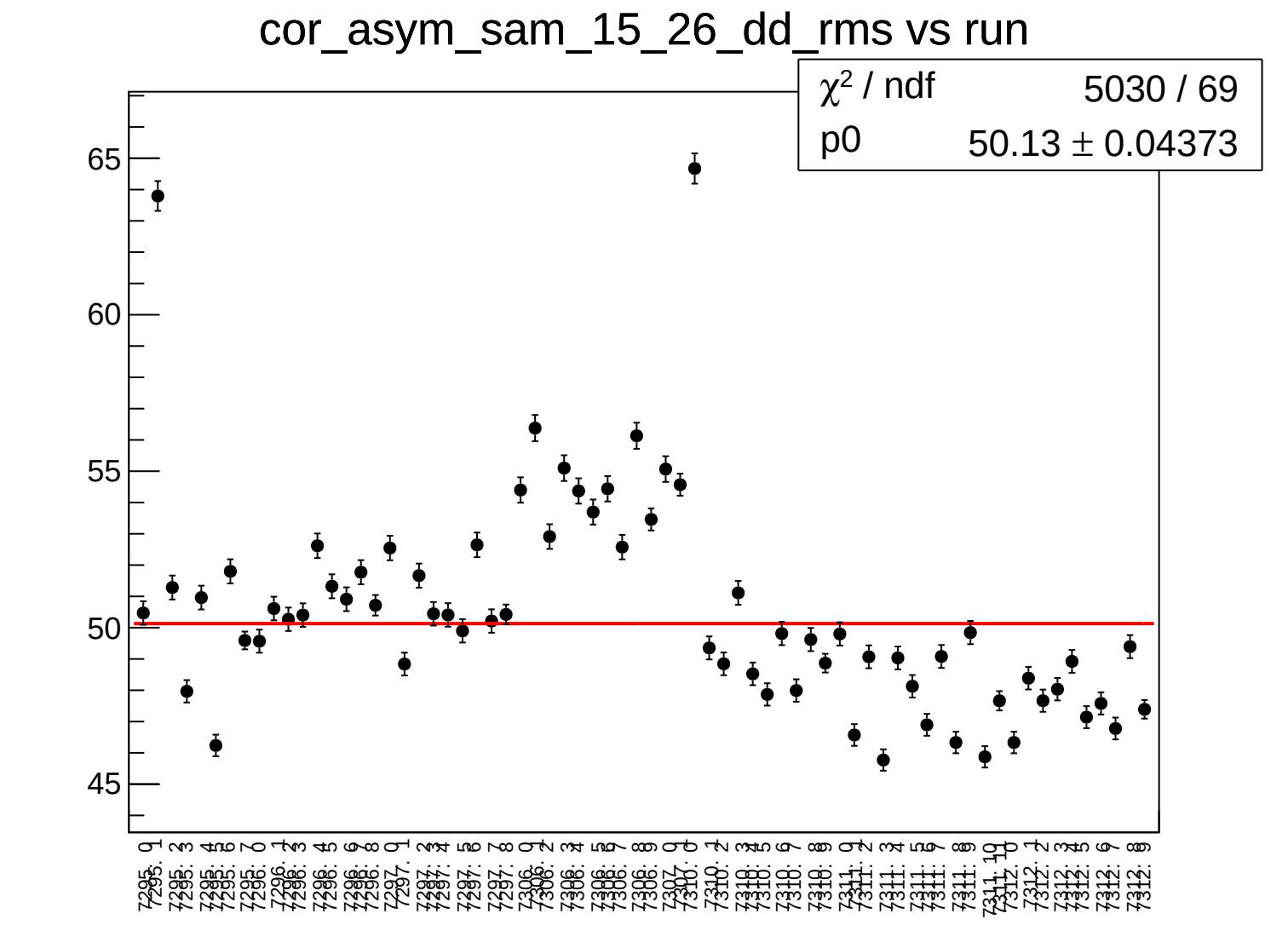

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 60.99 / 69
p0 74.7 ± 355.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −22.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

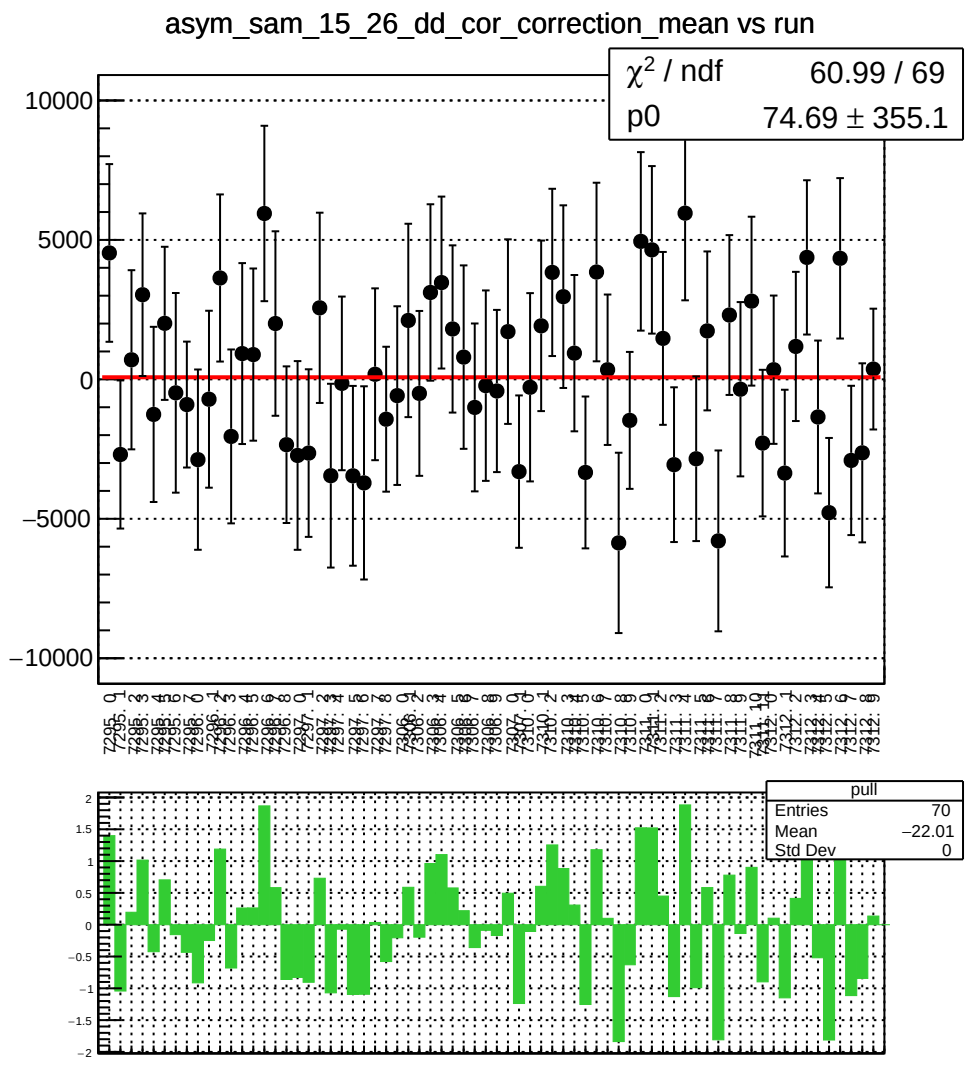

pull1D
Entries 70
Mean 0.01364
Std Dev 0.9333
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

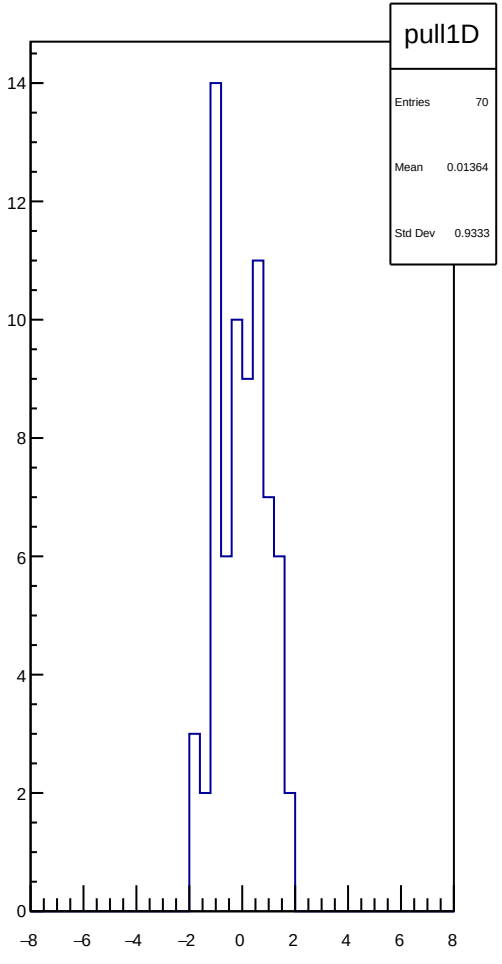

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 7642 / 69
p0 287.6 ± 0.2511
340
320
300
280
260
240

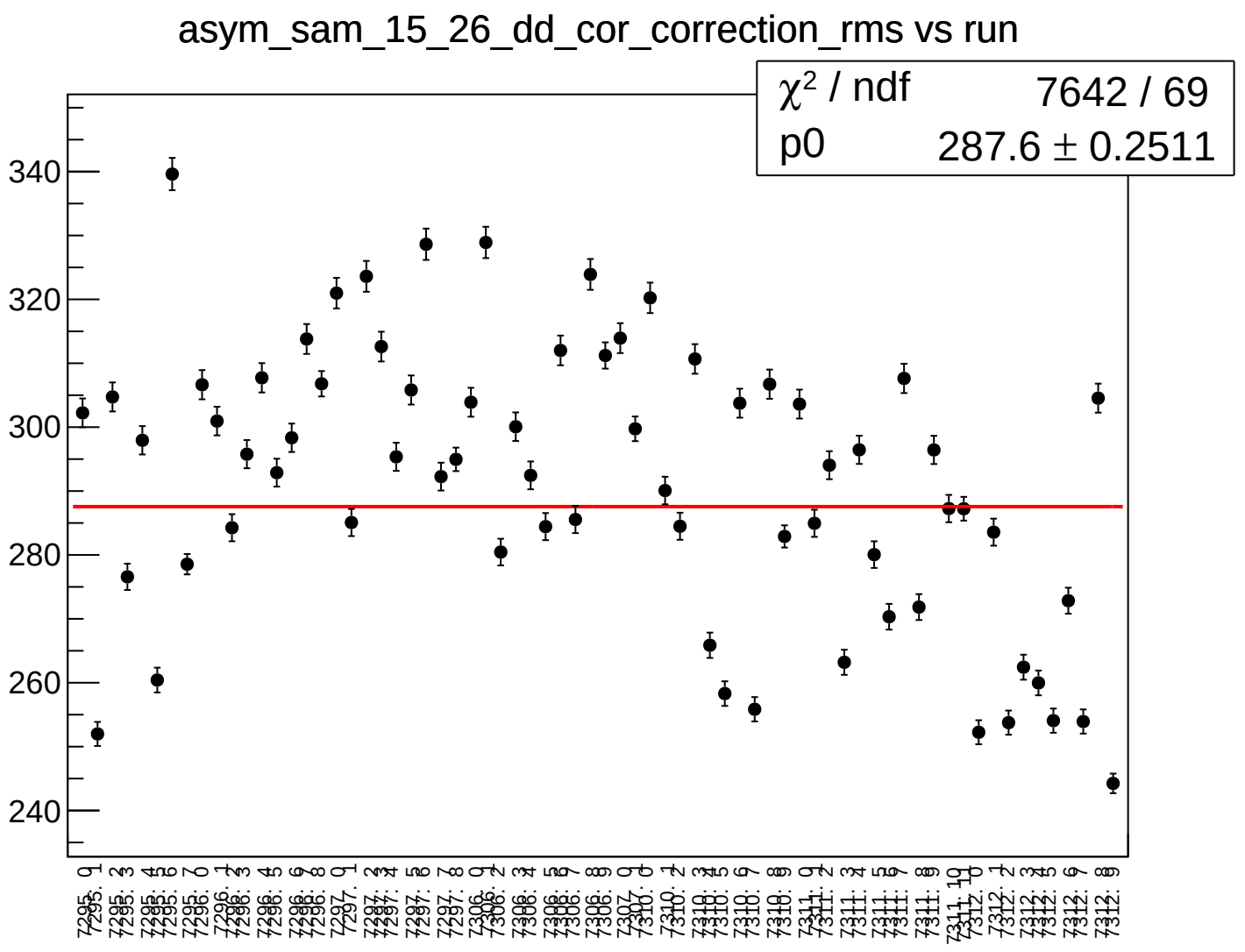

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 56.51 / 69
p0 47.34 ± 61.85
pull
Entries 70
Mean 39.02
Std Dev 0

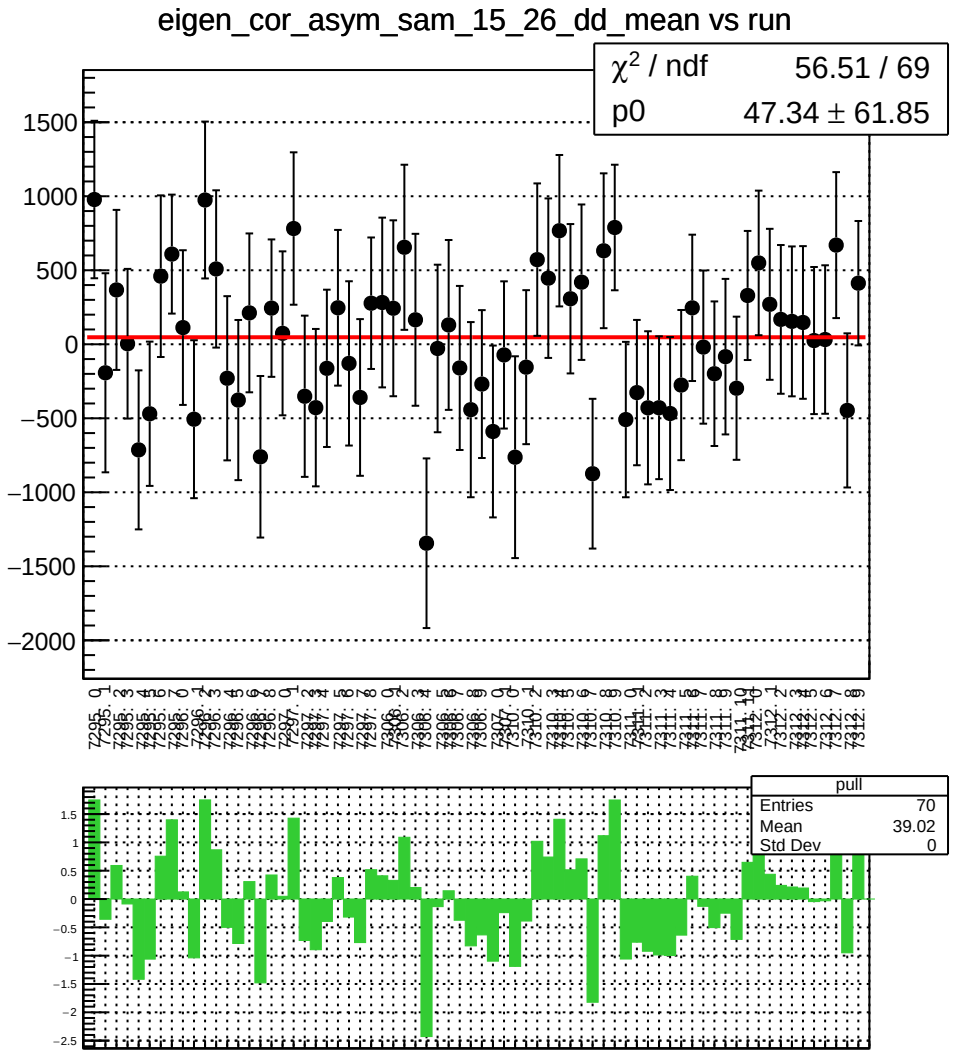

pull1D
Entries 70
Mean −0.02678
Std Dev 0.8981

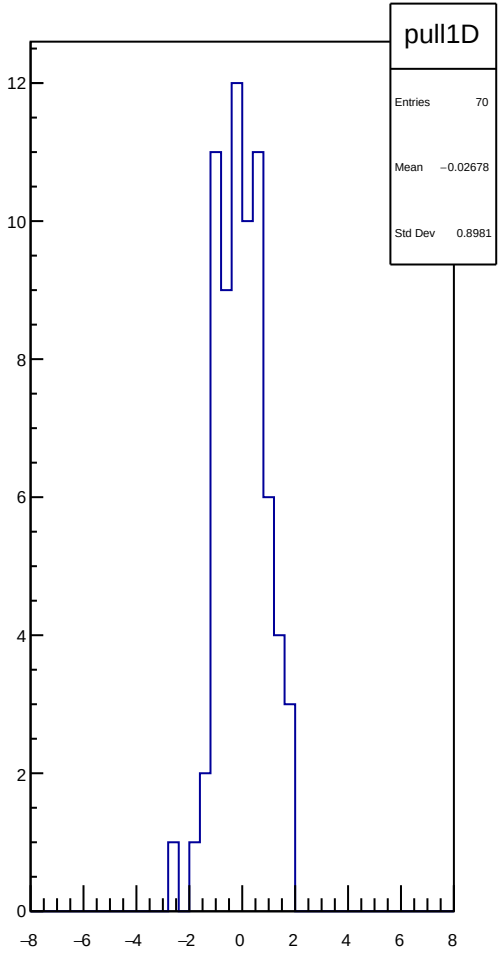

cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5030 / 69
p0 50.13 ± 0.04373
65
60
55
50
45

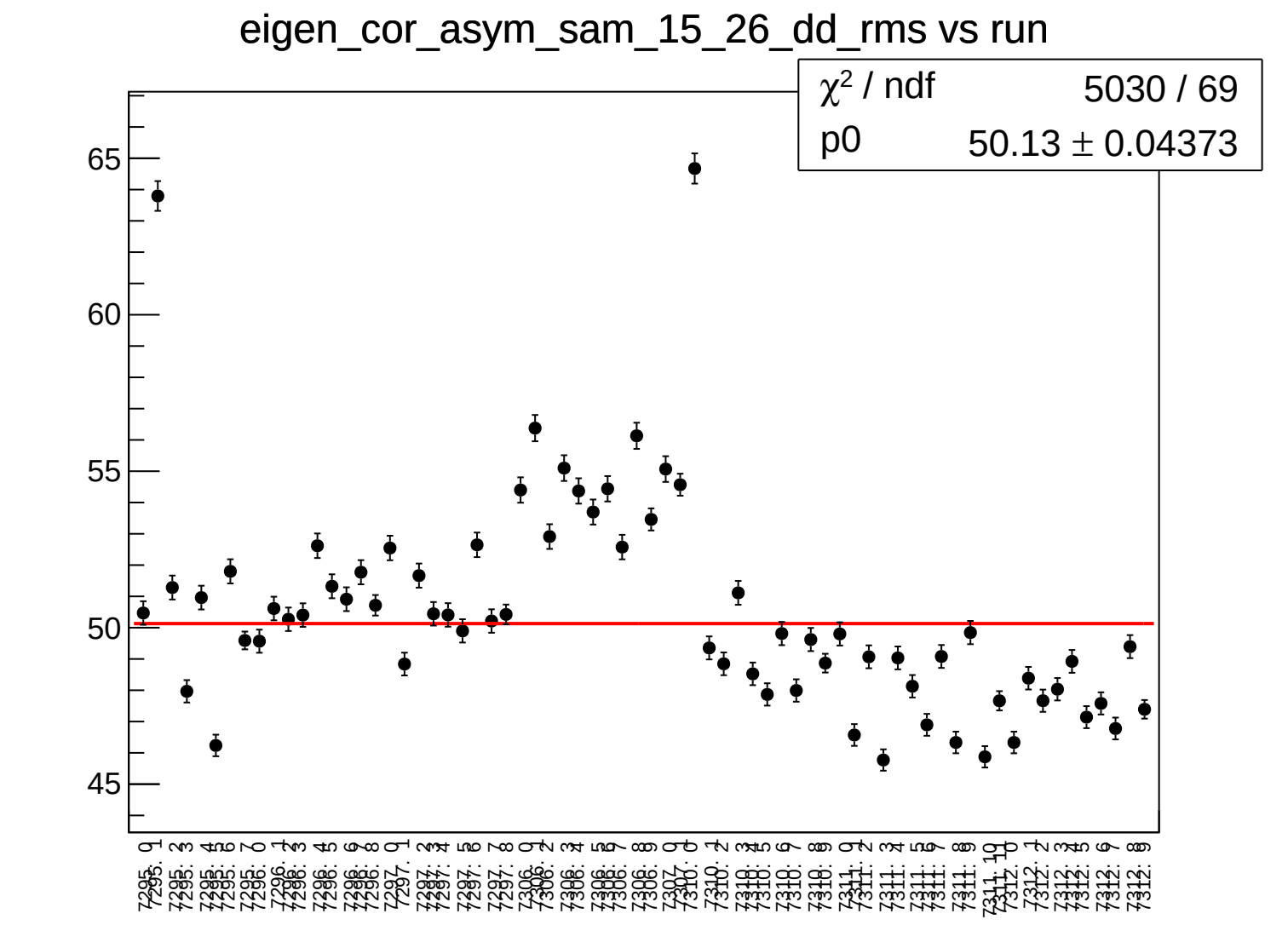

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 60.99 / 69
p0 74.69 ± 355.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −22.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

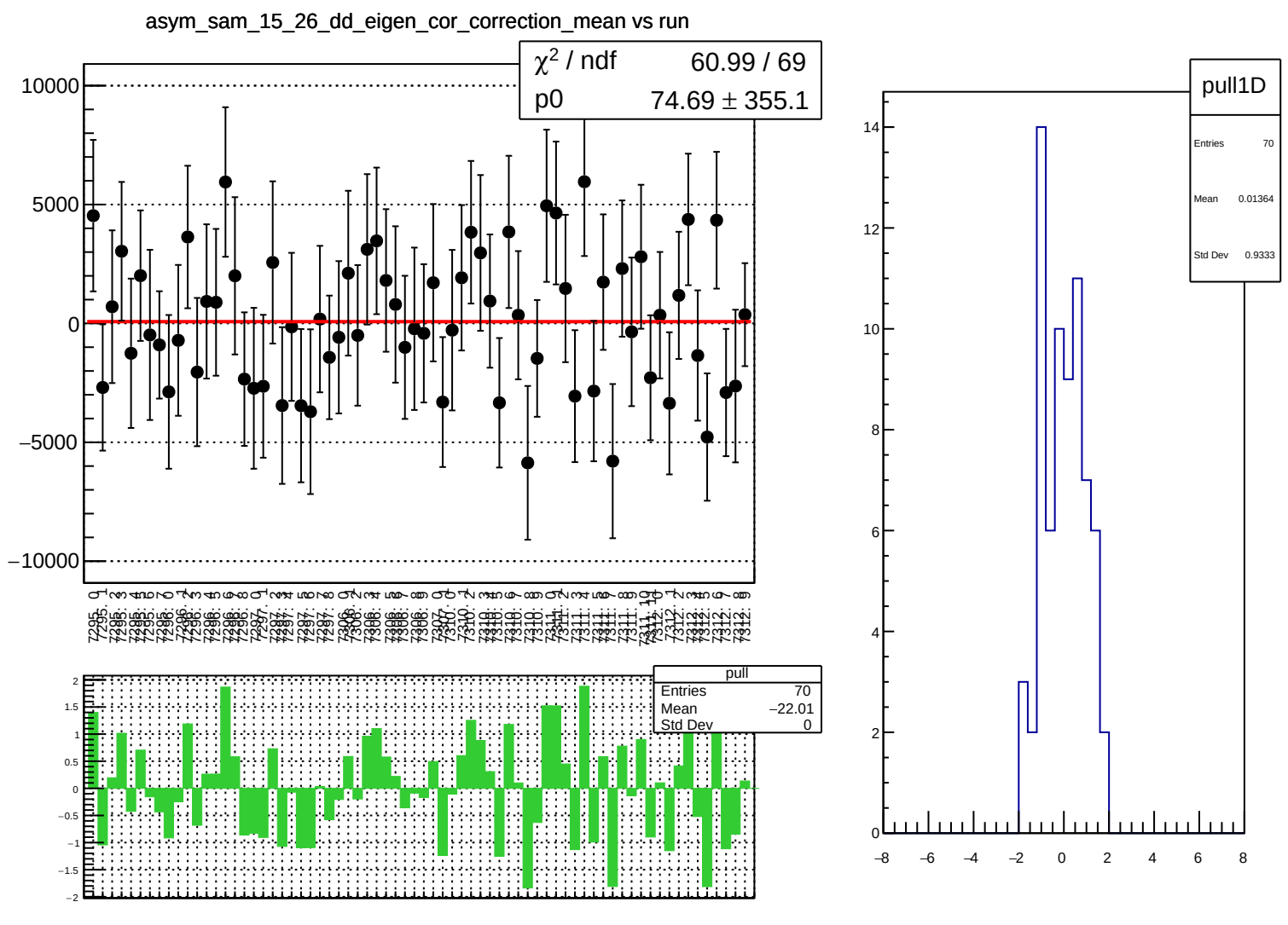

pull1D
Entries 70
Mean 0.01364
Std Dev 0.9333
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

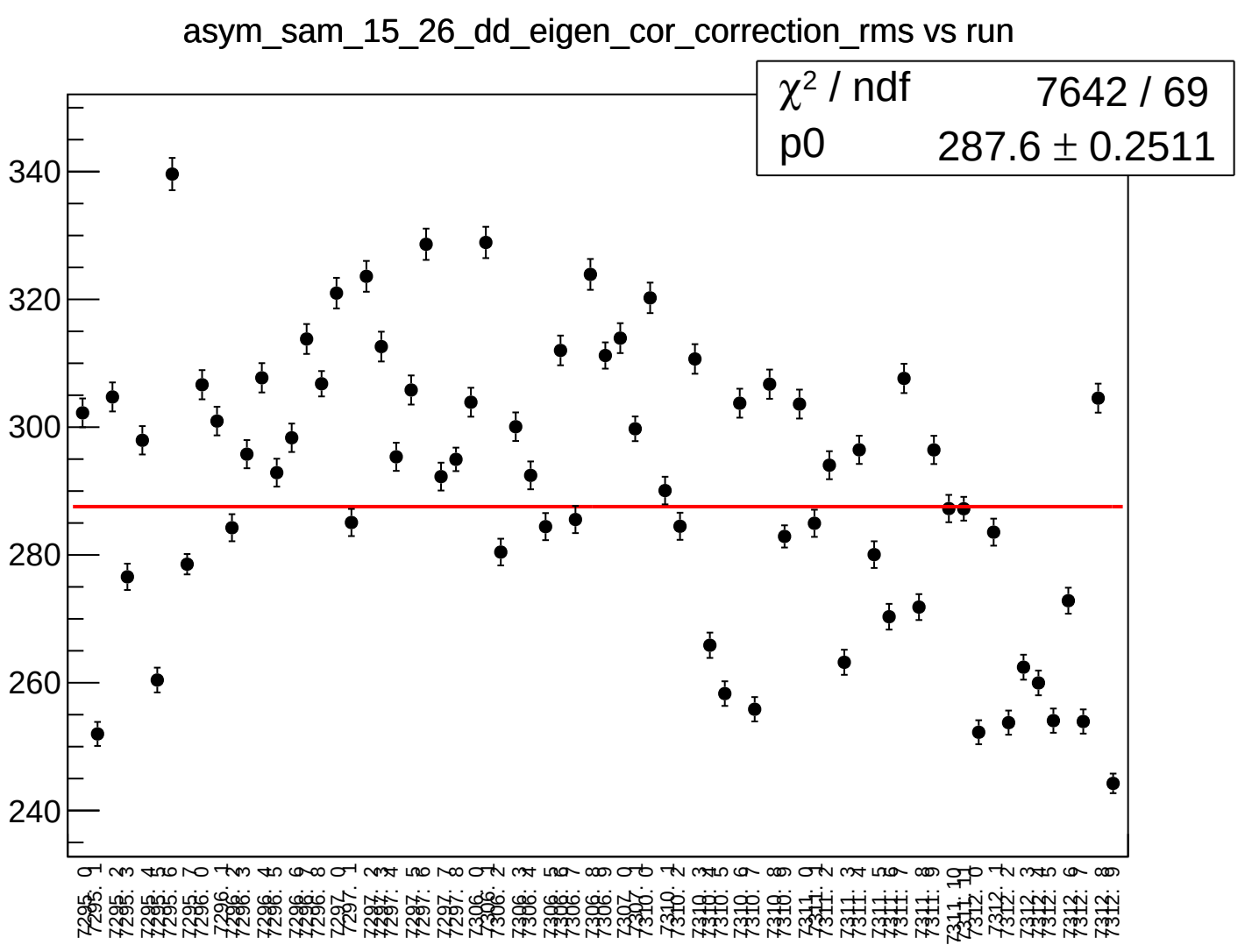

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 7642 / 69
p0 287.6 ± 0.2511
340
320
300
280
260
240

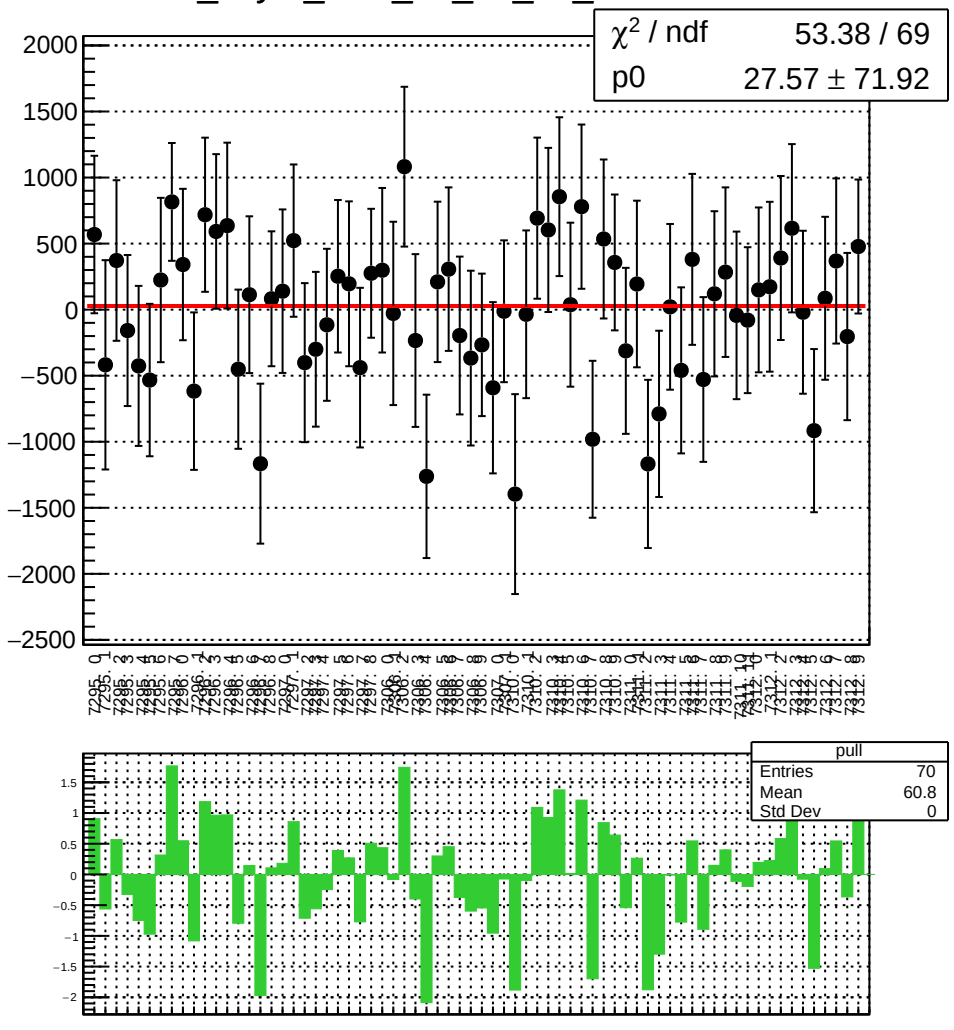

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 56.51 / 69
p0 47.34 ± 61.85
pull
Entries 70
Mean 39.02
Std Dev 0

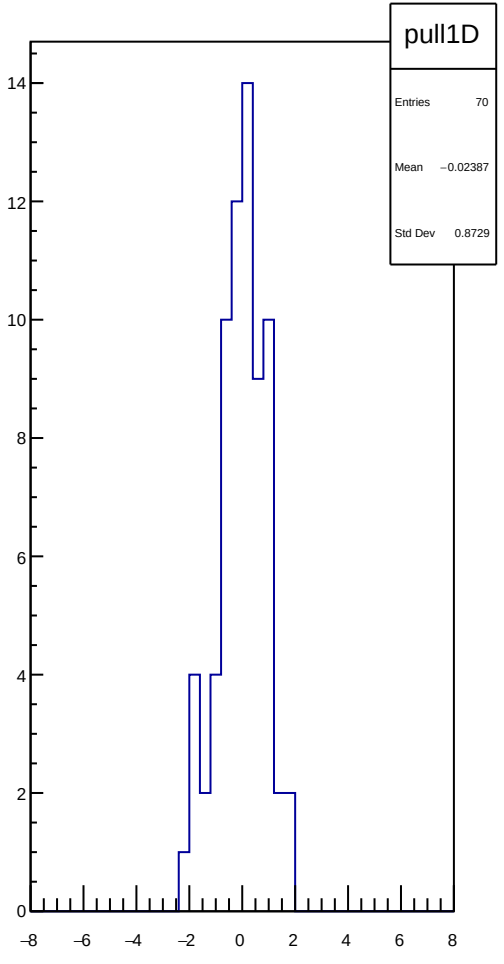

pull1D
Entries 70
Mean −0.02678
Std Dev 0.8981

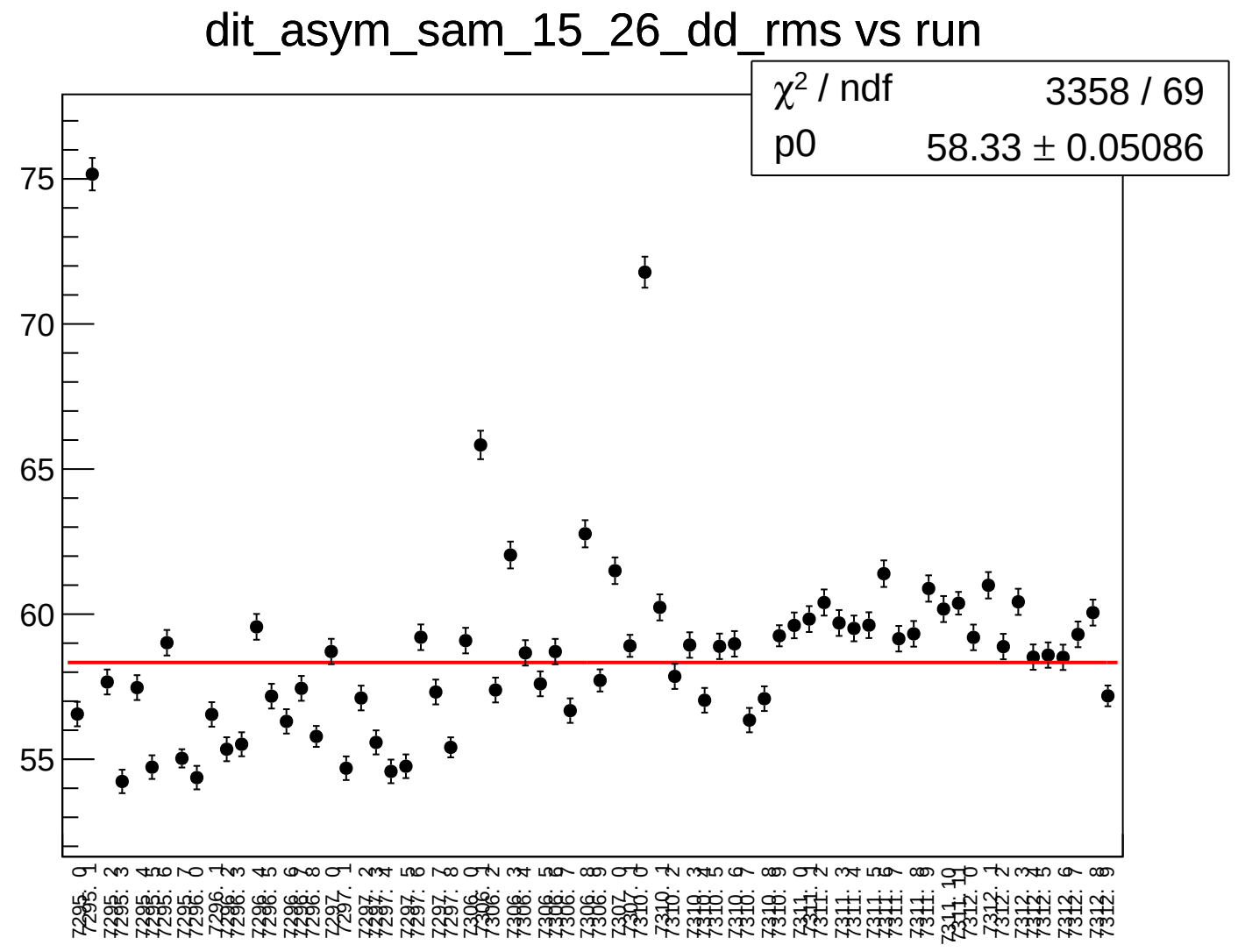

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 5030 / 69
p0 50.13 ± 0.04373
65
60
55
50
45

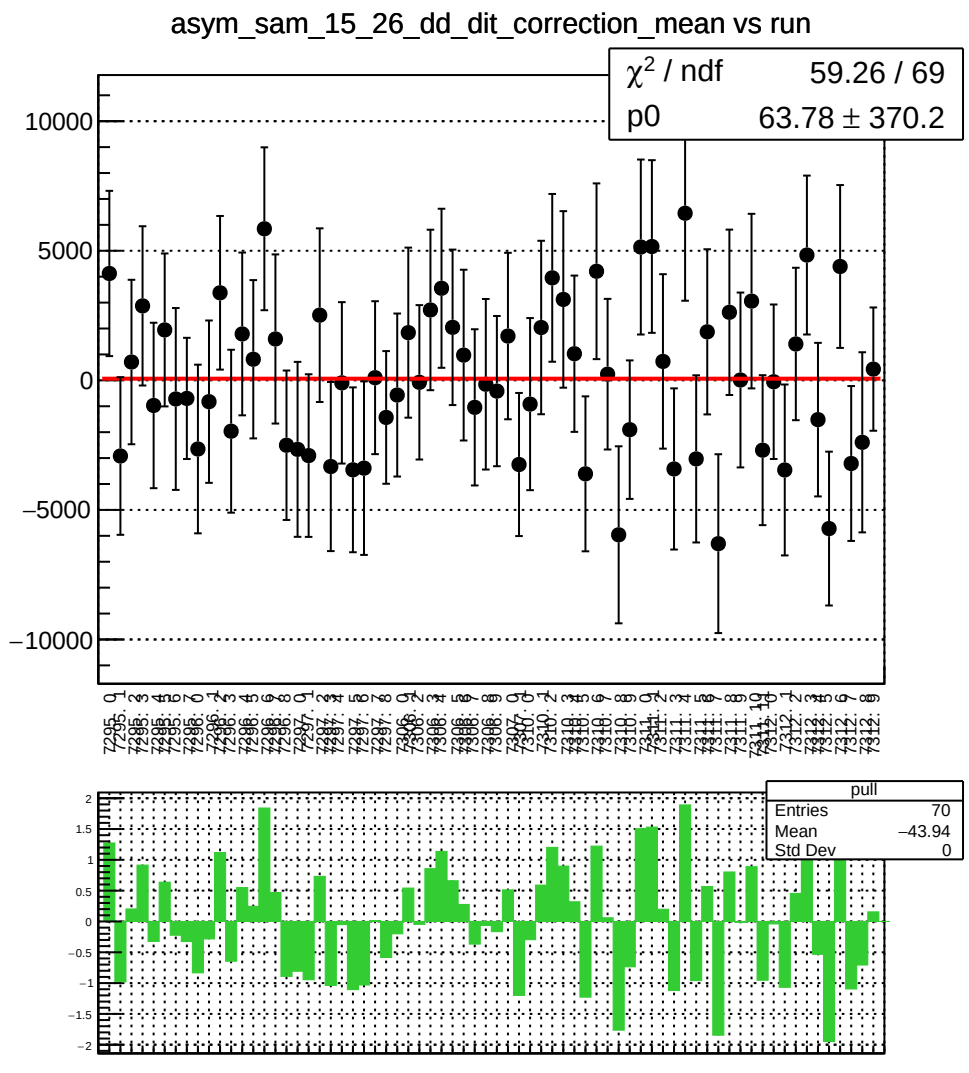

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.99 / 69
p0 74.69 ± 355.1
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −22.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 70
Mean 0.01364
Std Dev 0.9333
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

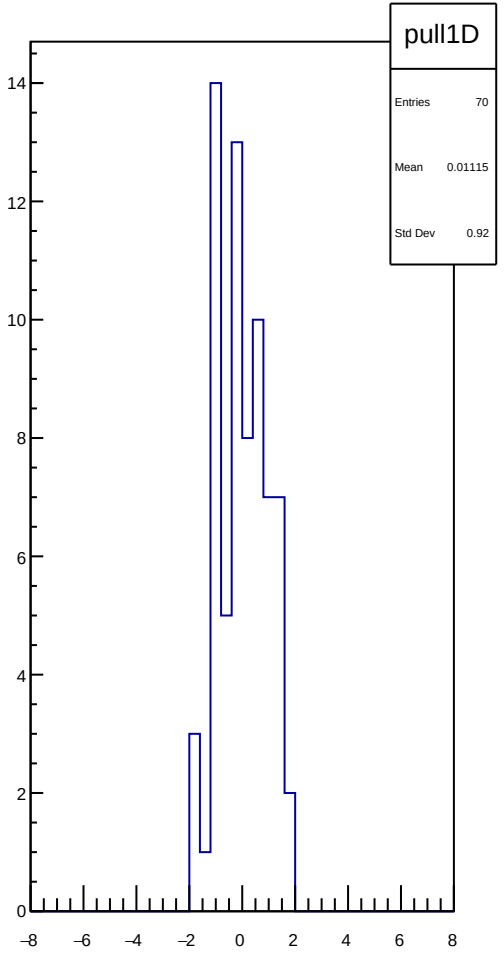

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 7642 / 69
p0 287.6 ± 0.2511
340
320
300
280
260
240

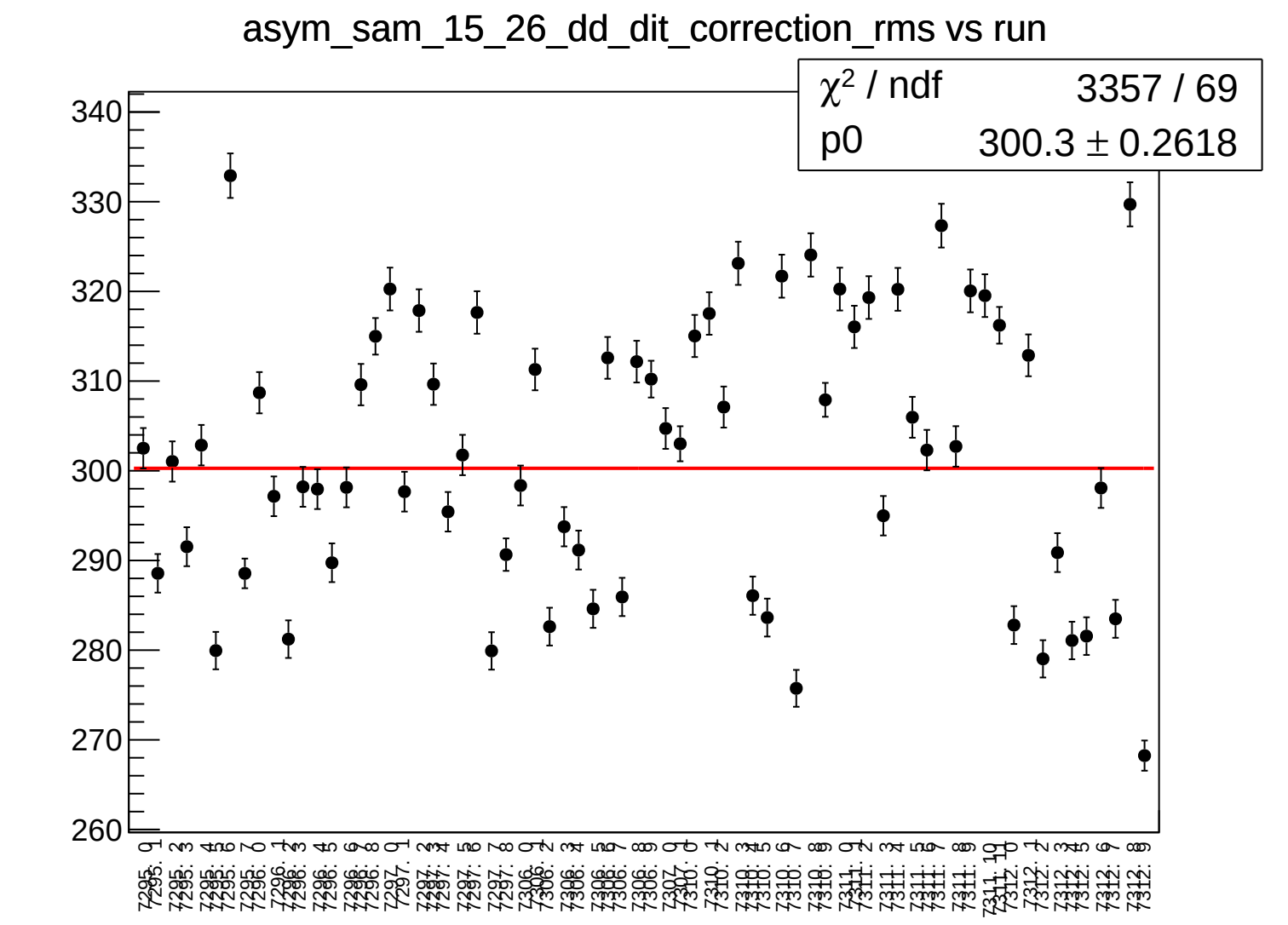

dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 53.38 / 69
p0 27.57 ± 71.92
pull
Entries 70
Mean 60.8
Std Dev 0

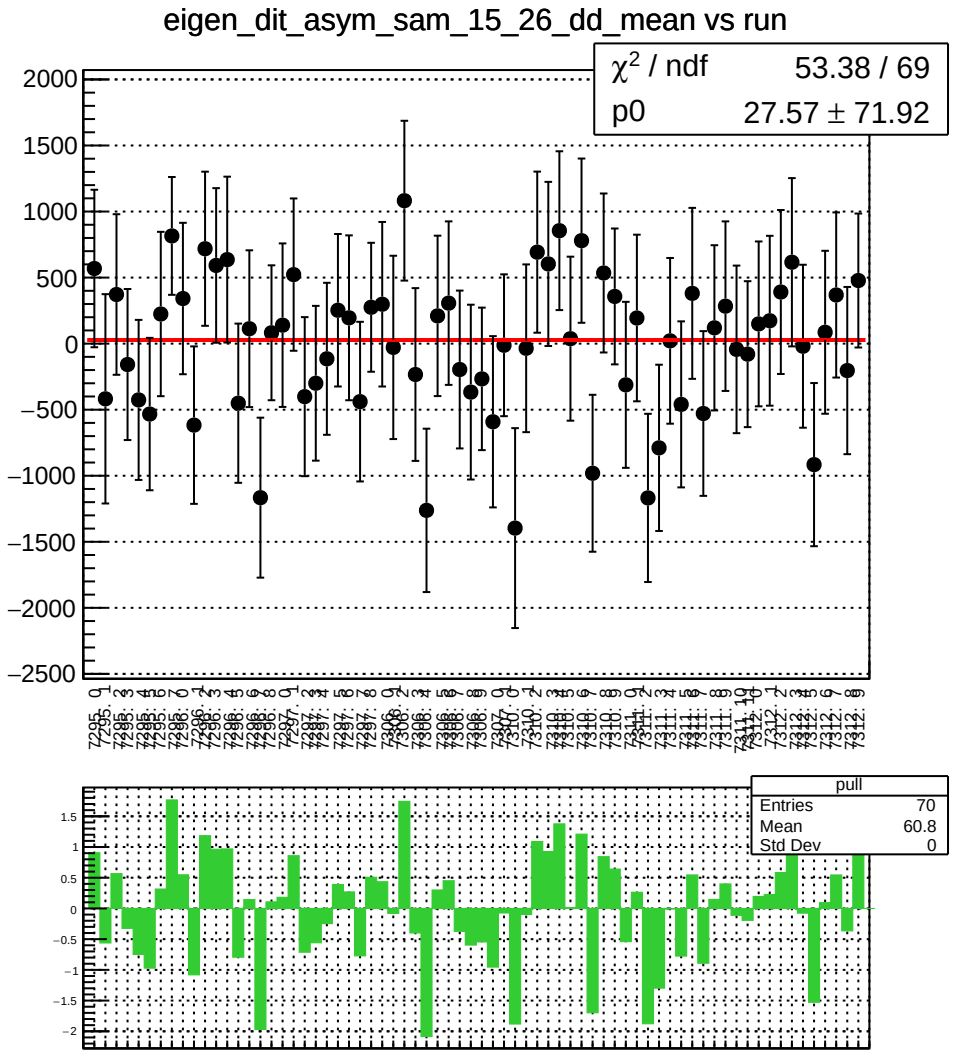

pull1D
Entries 70
Mean −0.02387
Std Dev 0.8729

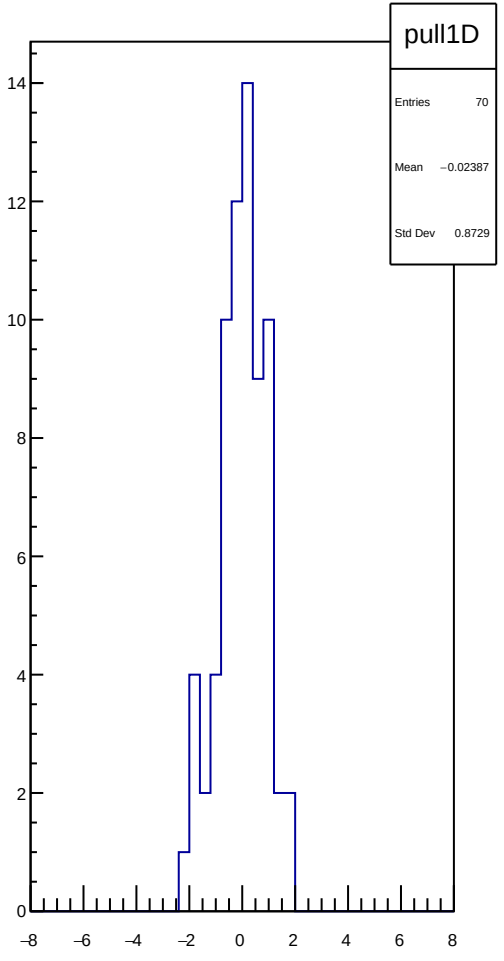

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3358 / 69
p0 58.33 ± 0.05086
75
70
65
60
55

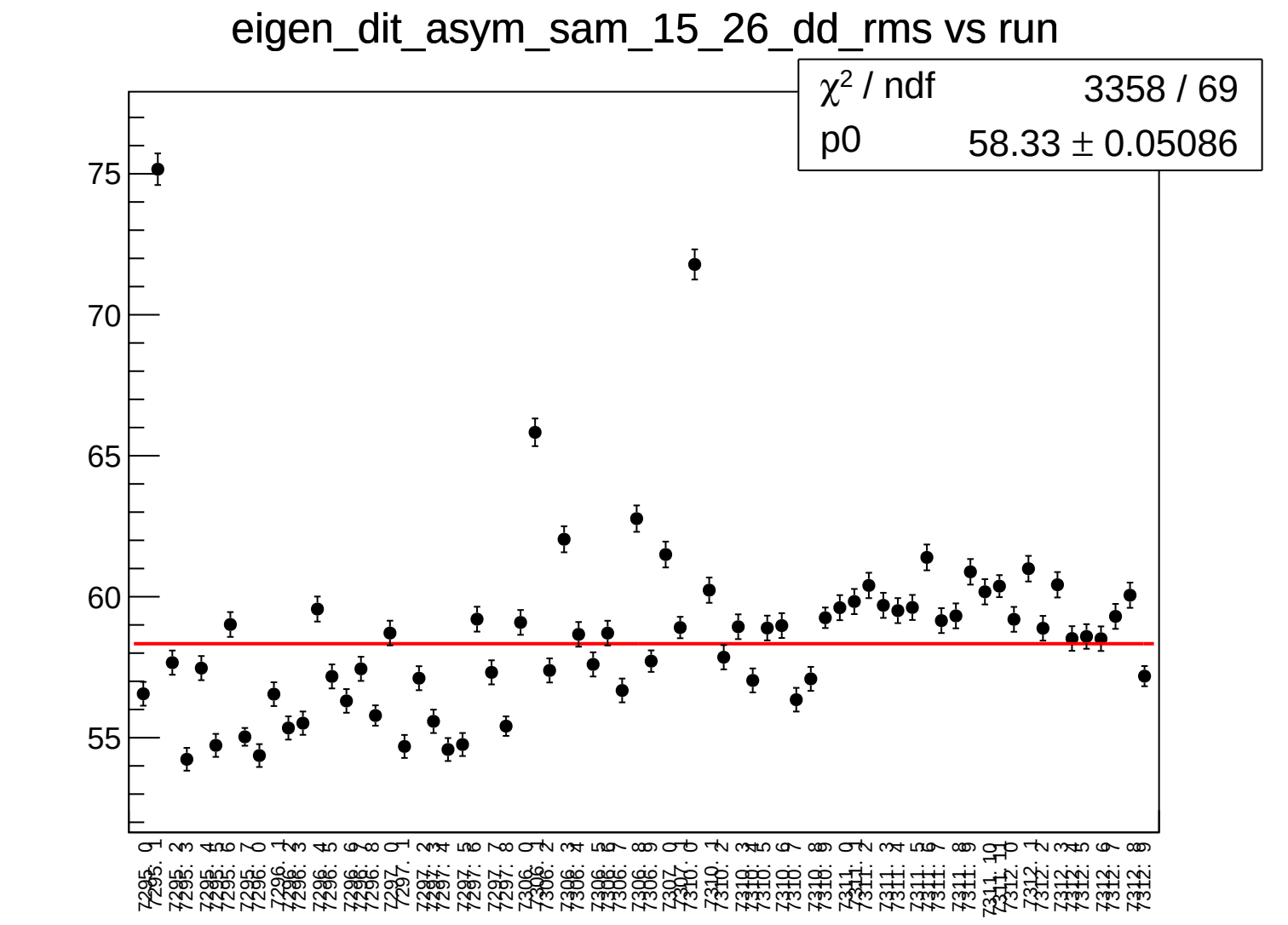

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 59.26 / 69
p0 63.78 ± 370.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −43.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

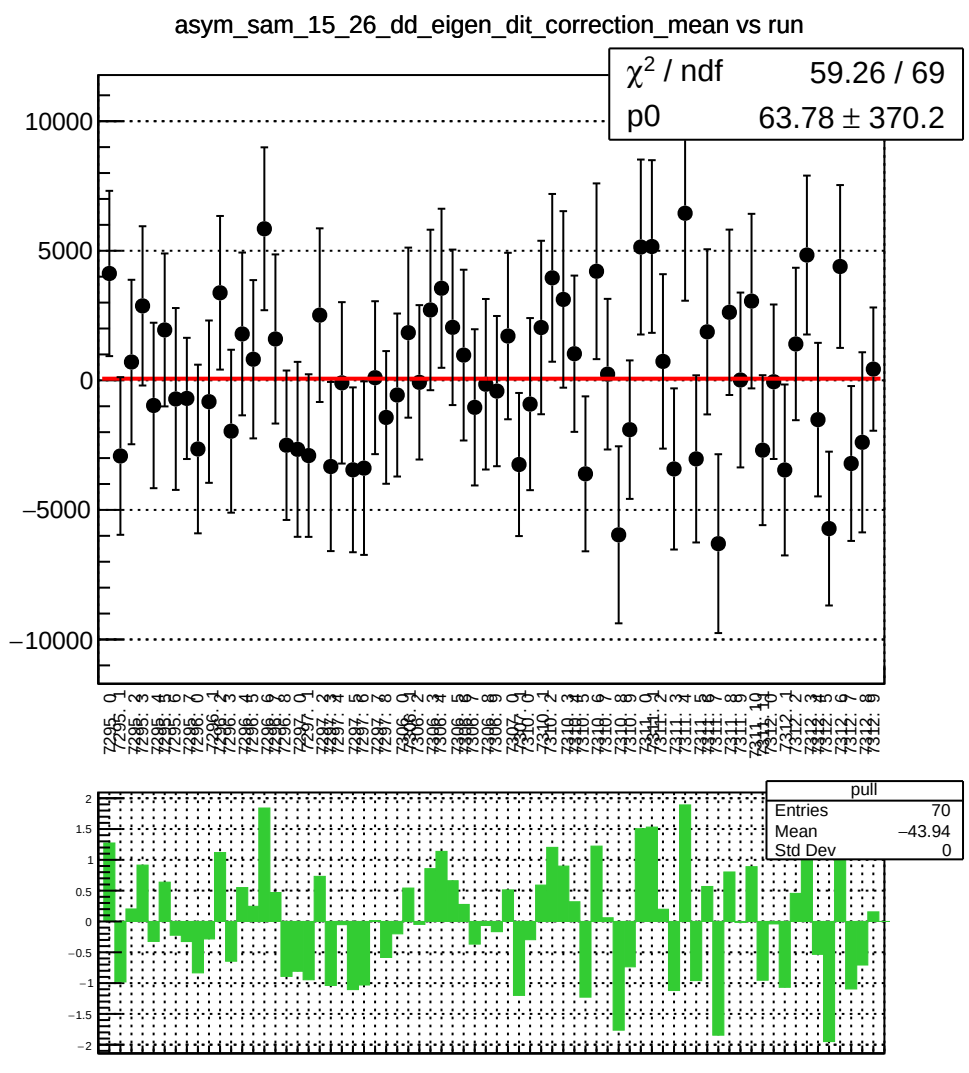

pull1D
Entries 70
Mean 0.01115
Std Dev 0.92
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

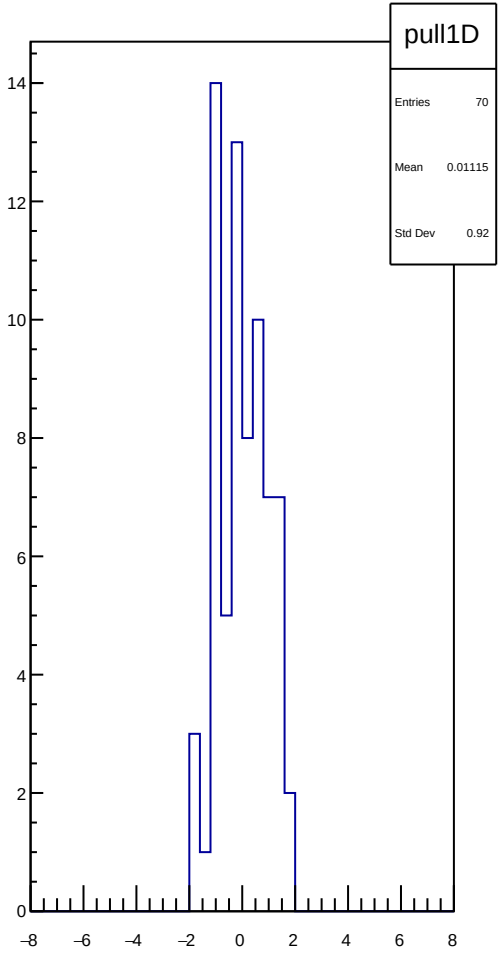

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3357 / 69
p0 300.3 ± 0.2618
340
330
320
310
300
290
280
270
260

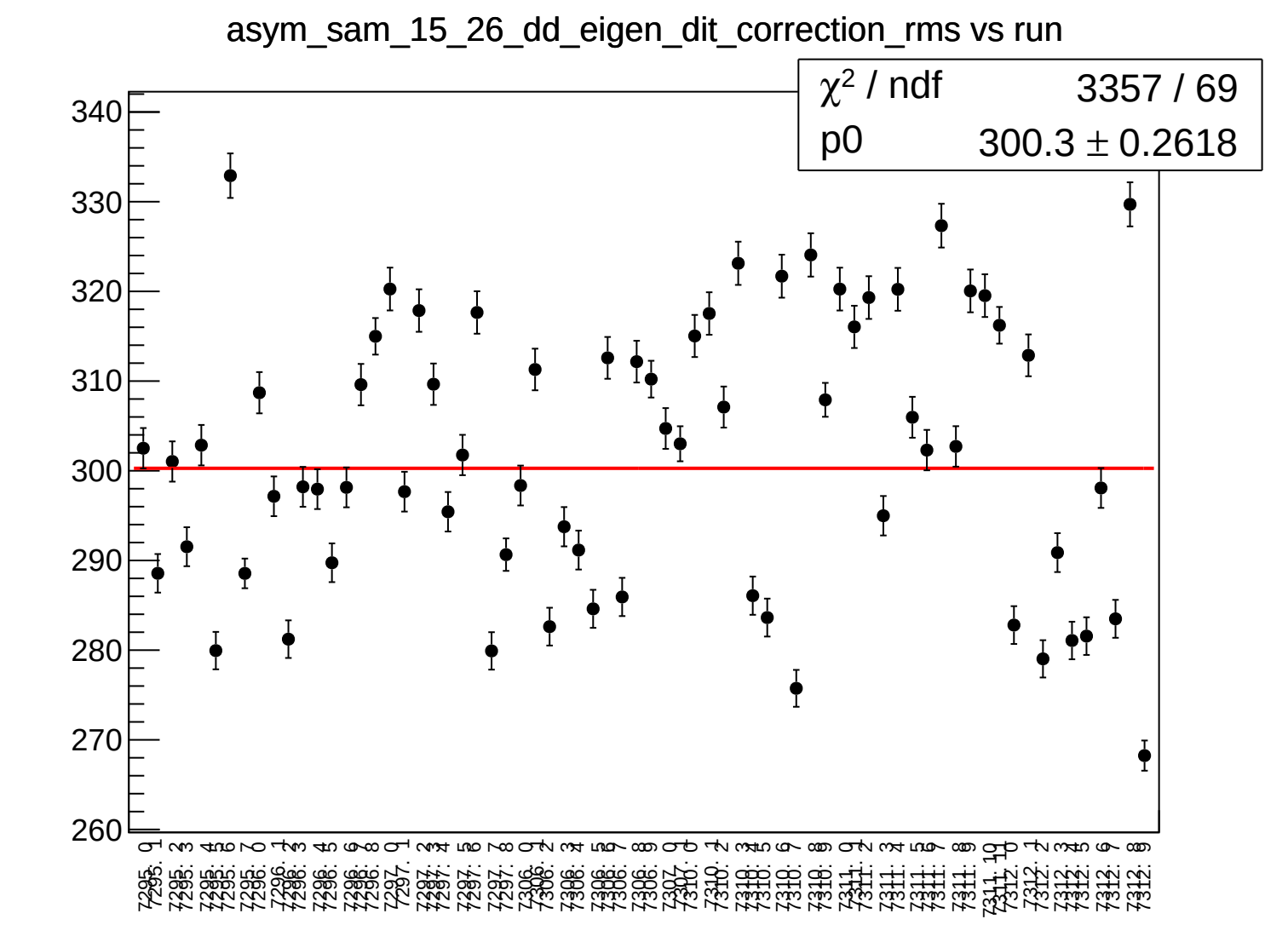

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.38 / 69
p0 27.57 ± 71.92
pull
Entries 70
Mean 60.8
Std Dev 0

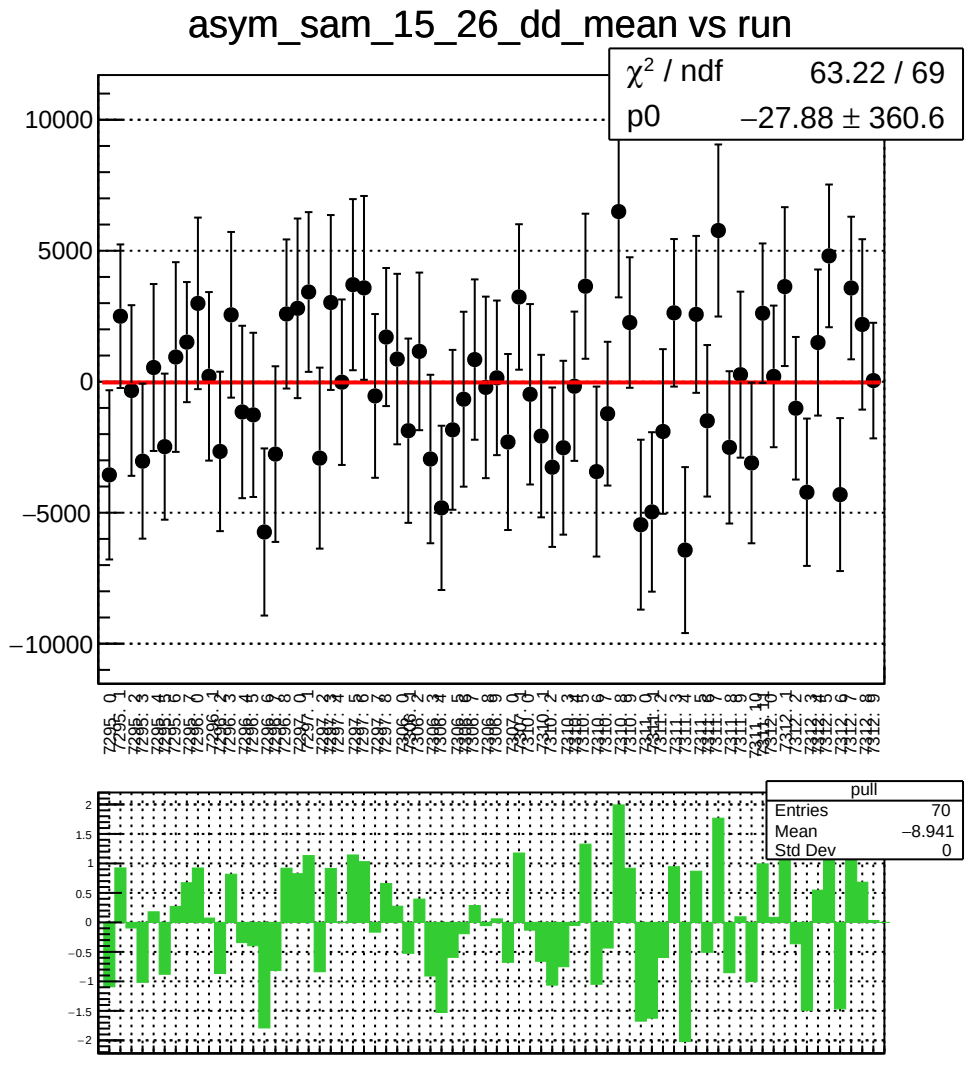

pull1D
Entries 70
Mean −0.02387
Std Dev 0.8729

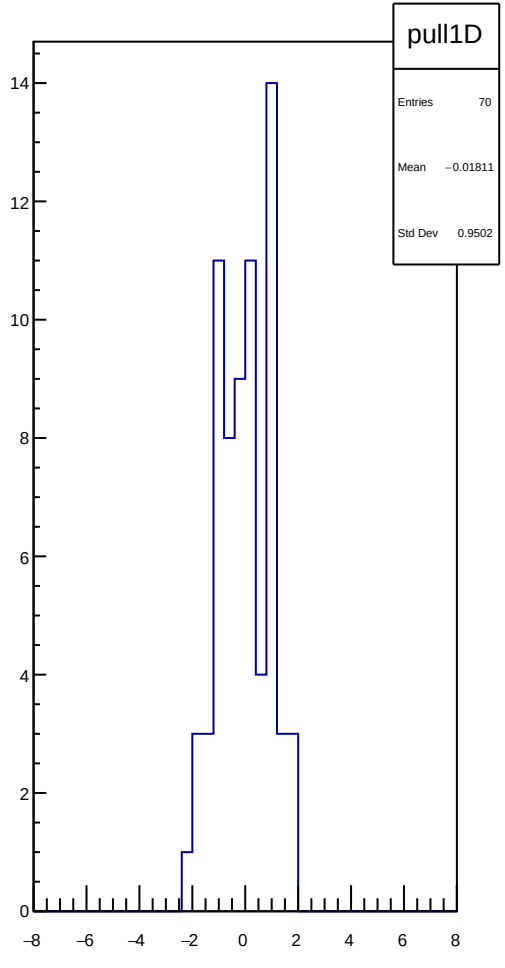

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3358 / 69
p0 58.33 ± 0.05086
75
70
65
60
55

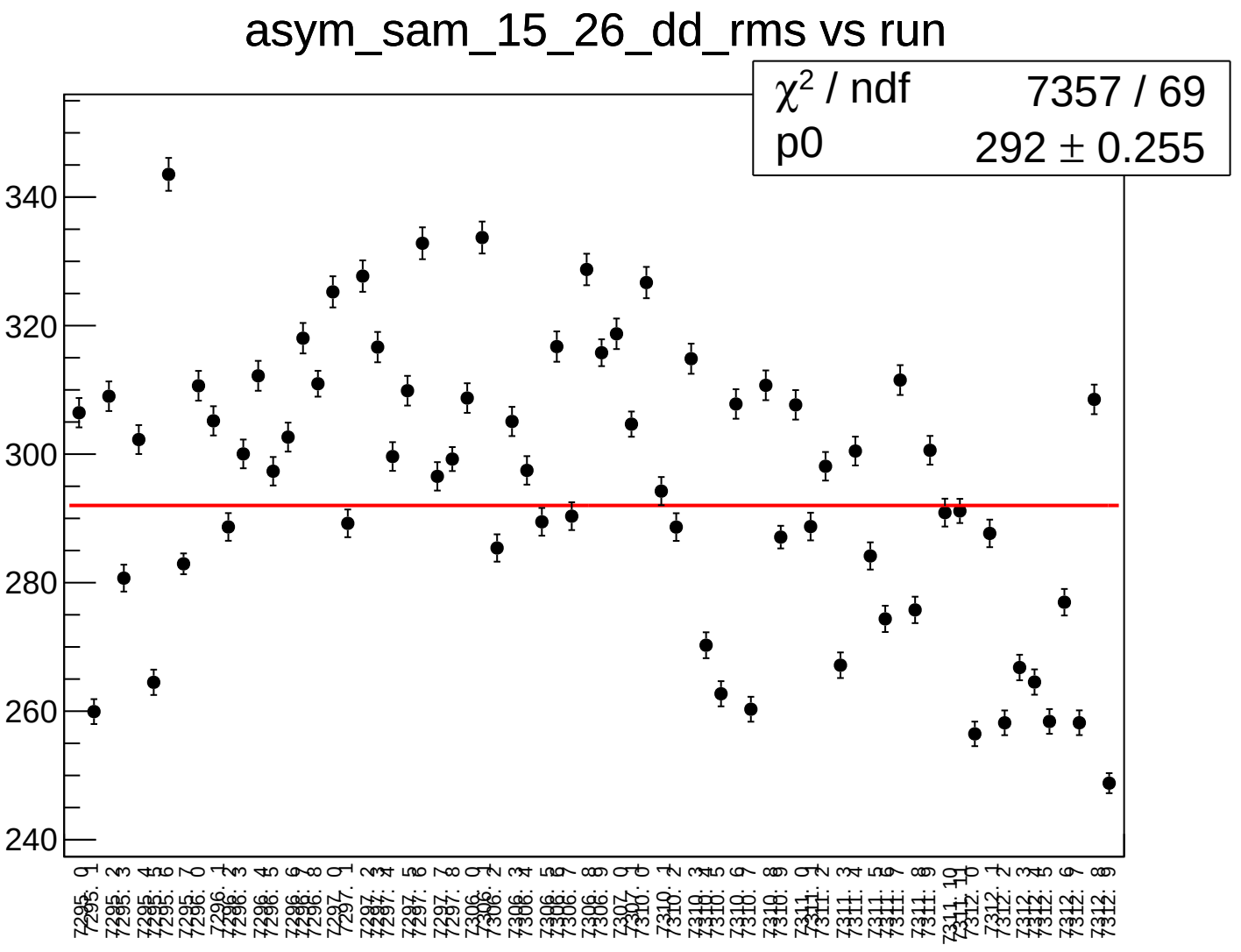

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.26 / 69
p0 63.78 ± 370.2
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −43.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

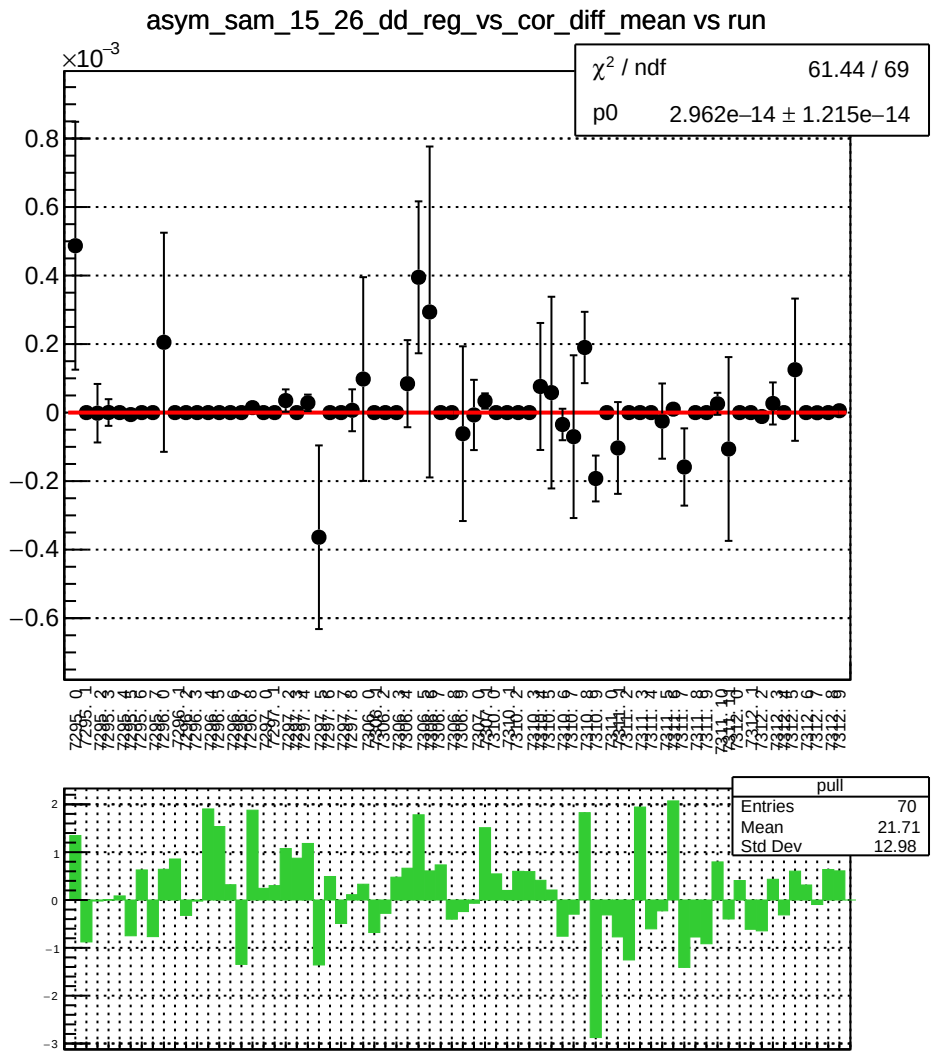

pull1D
Entries 70
Mean 0.01115
Std Dev 0.92
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

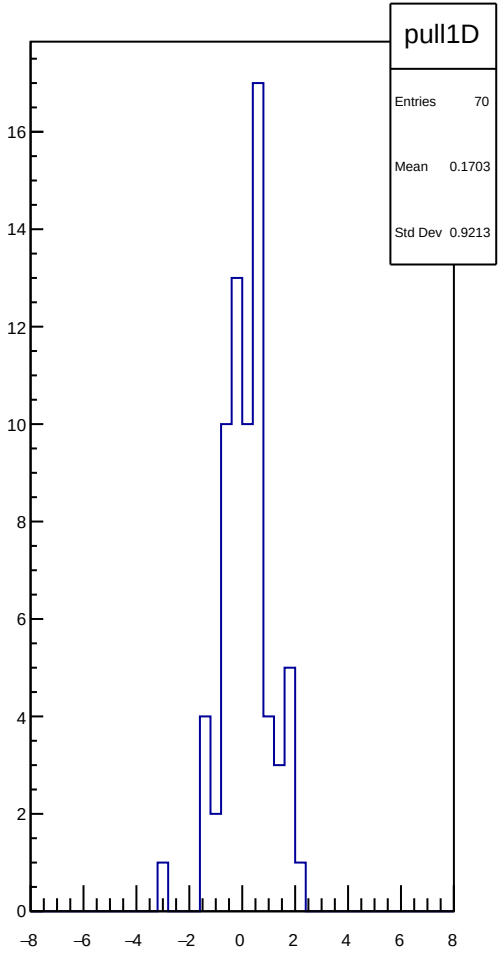

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3357 / 69
p0 300.3 ± 0.2618
340
330
320
310
300
290
280
270
260

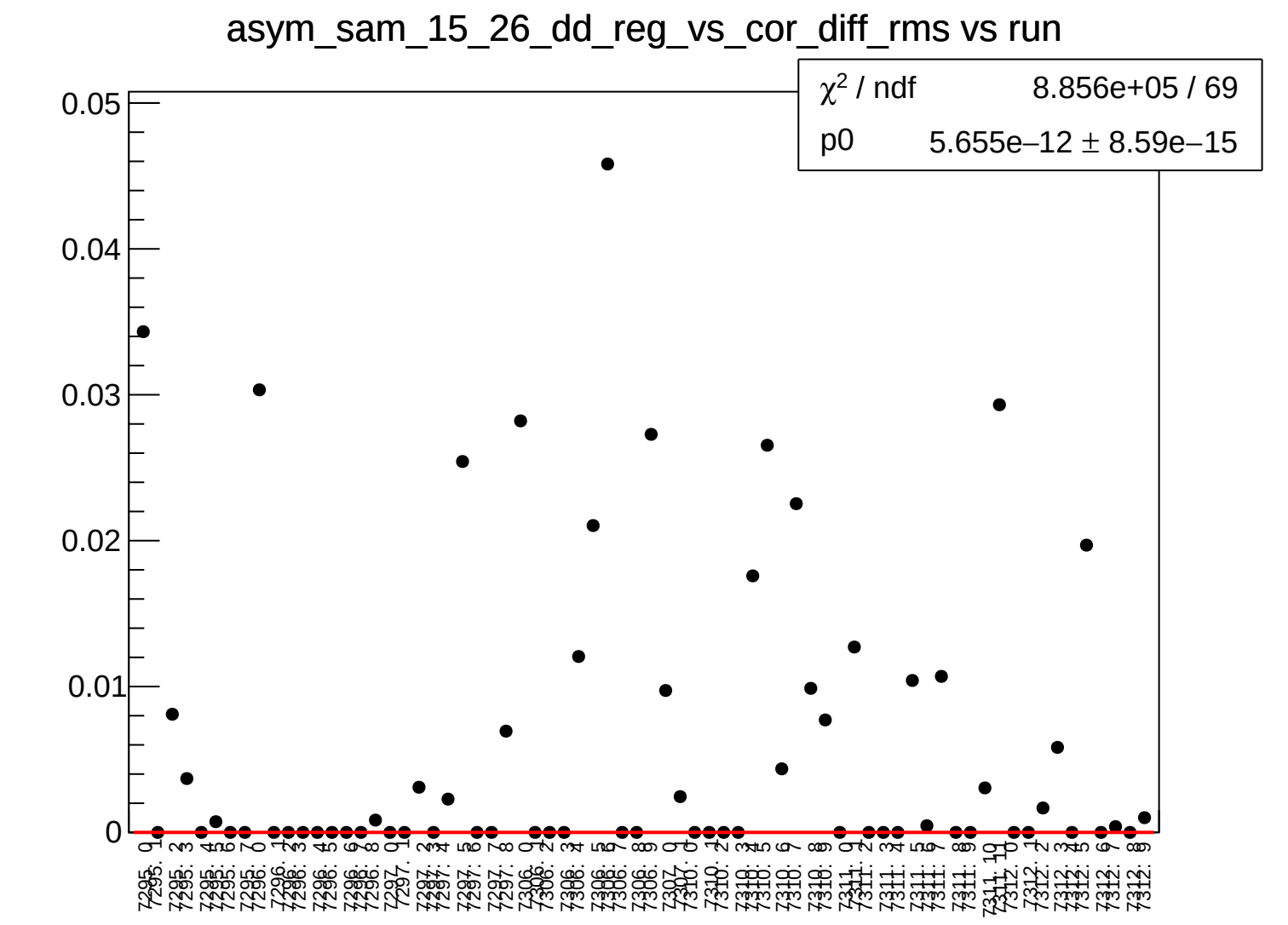

asym_sam_15_26_dd_mean vs run
χ² / ndf 63.22 / 69
p0 −27.88 ± 360.6
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −8.941
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

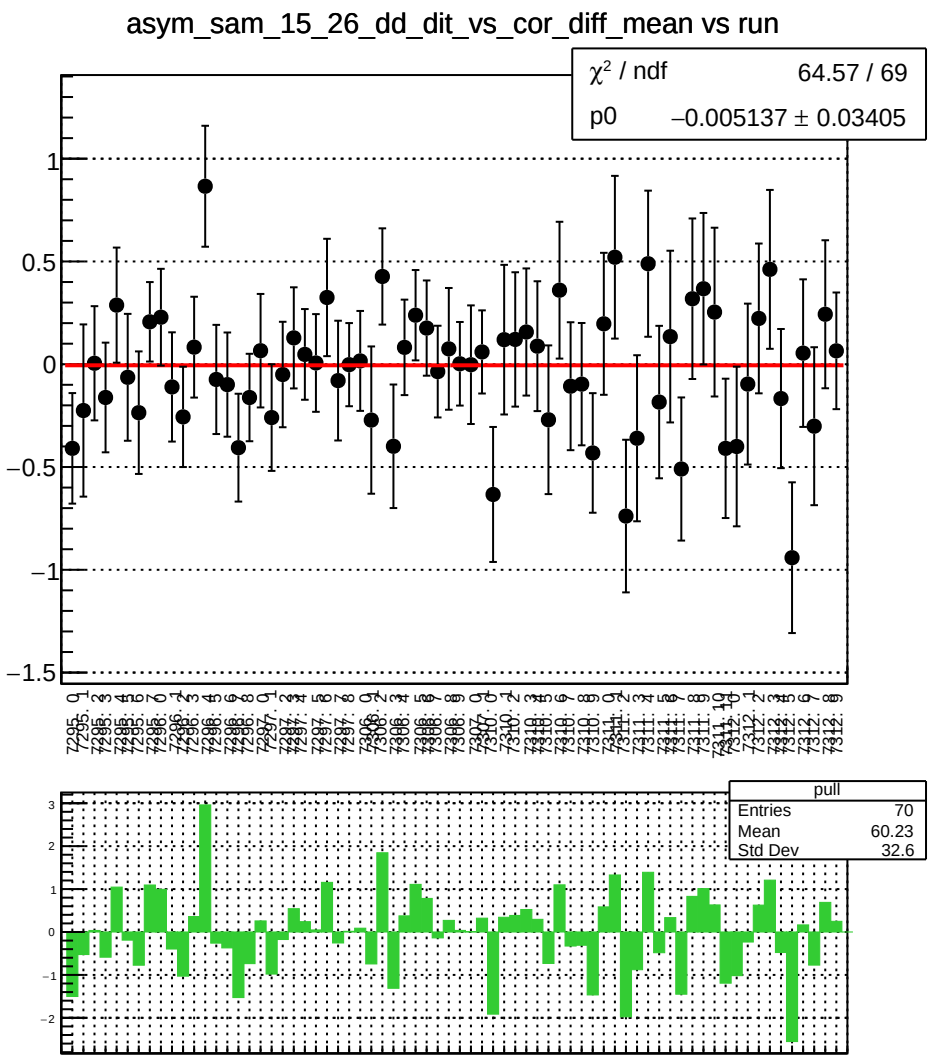

pull1D
Entries 70
Mean −0.01811
Std Dev 0.9502
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

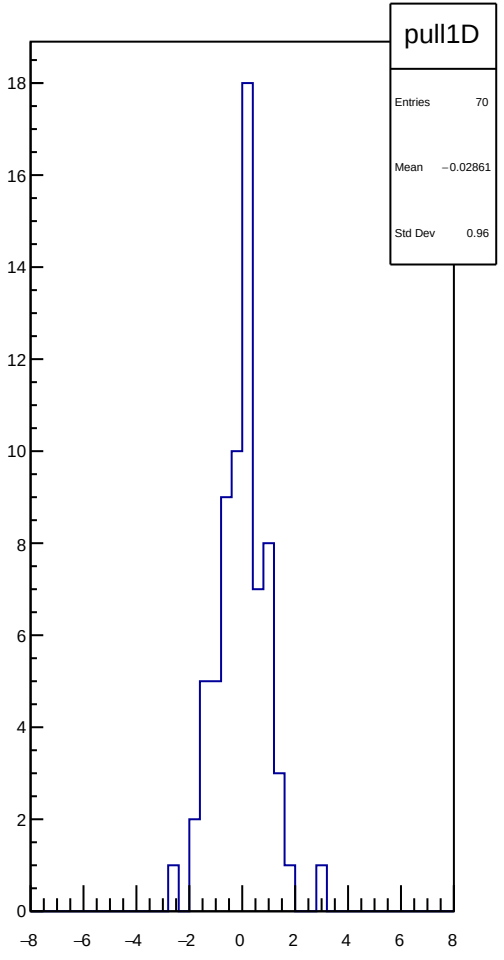

asym_sam_15_26_dd_rms vs run
χ² / ndf 7357 / 69
p0 292 ± 0.255
340
320
300
280
260
240

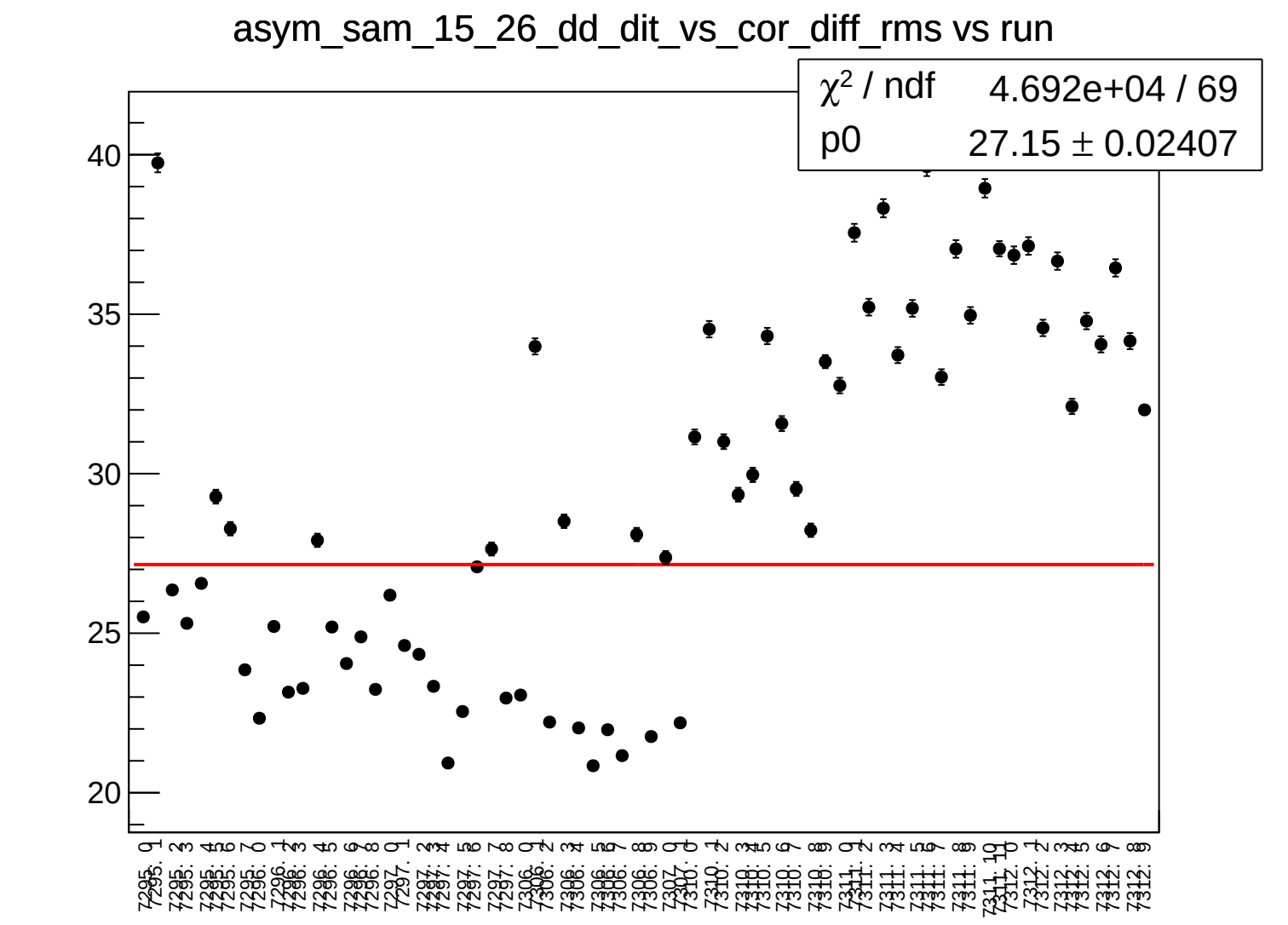

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 61.44 / 69
p0 2.962e−14 ± 1.215e−14
pull
Entries 70
Mean 21.71
Std Dev 12.98

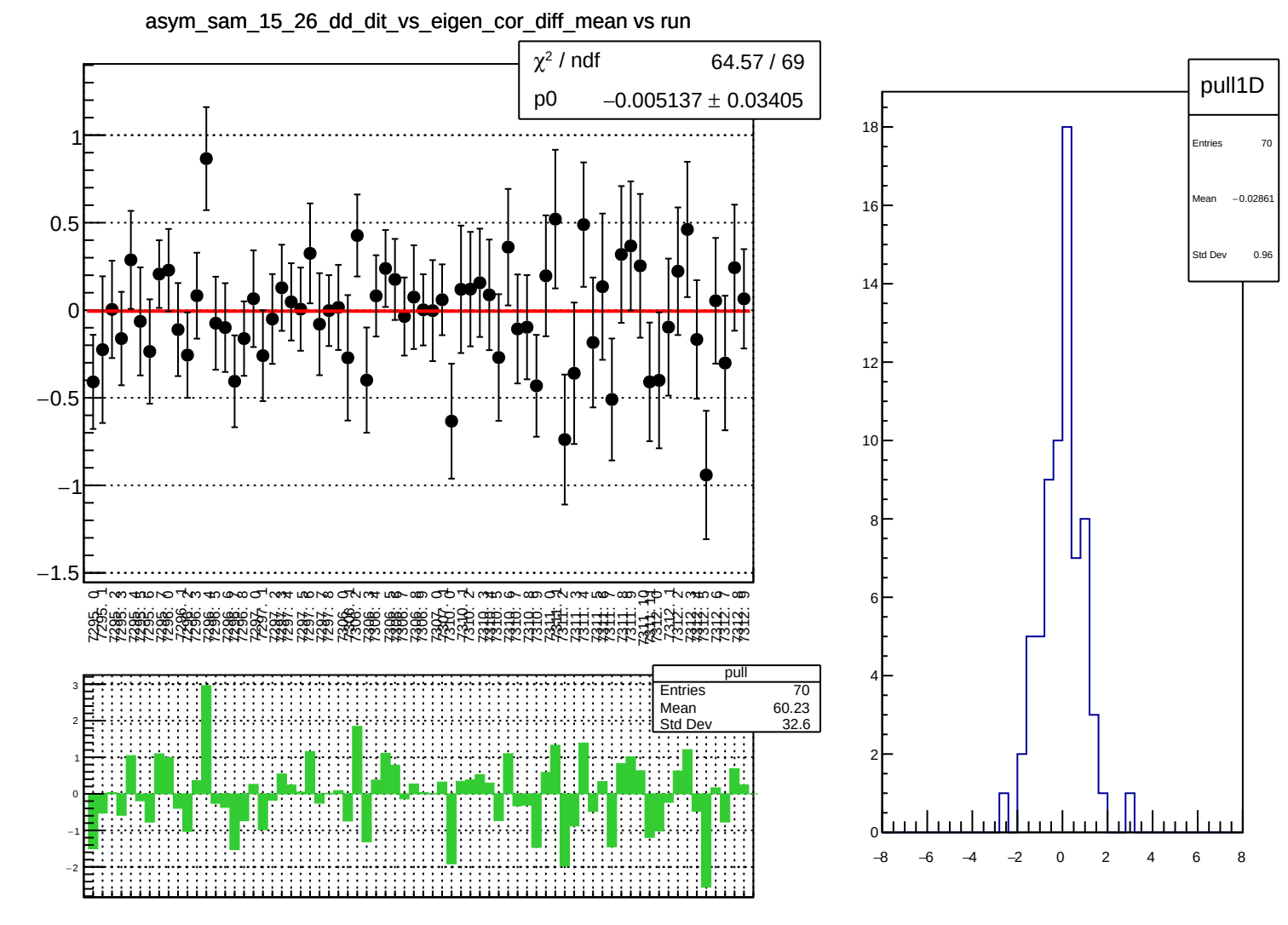

pull1D
Entries 70
Mean 0.1703
Std Dev 0.9213

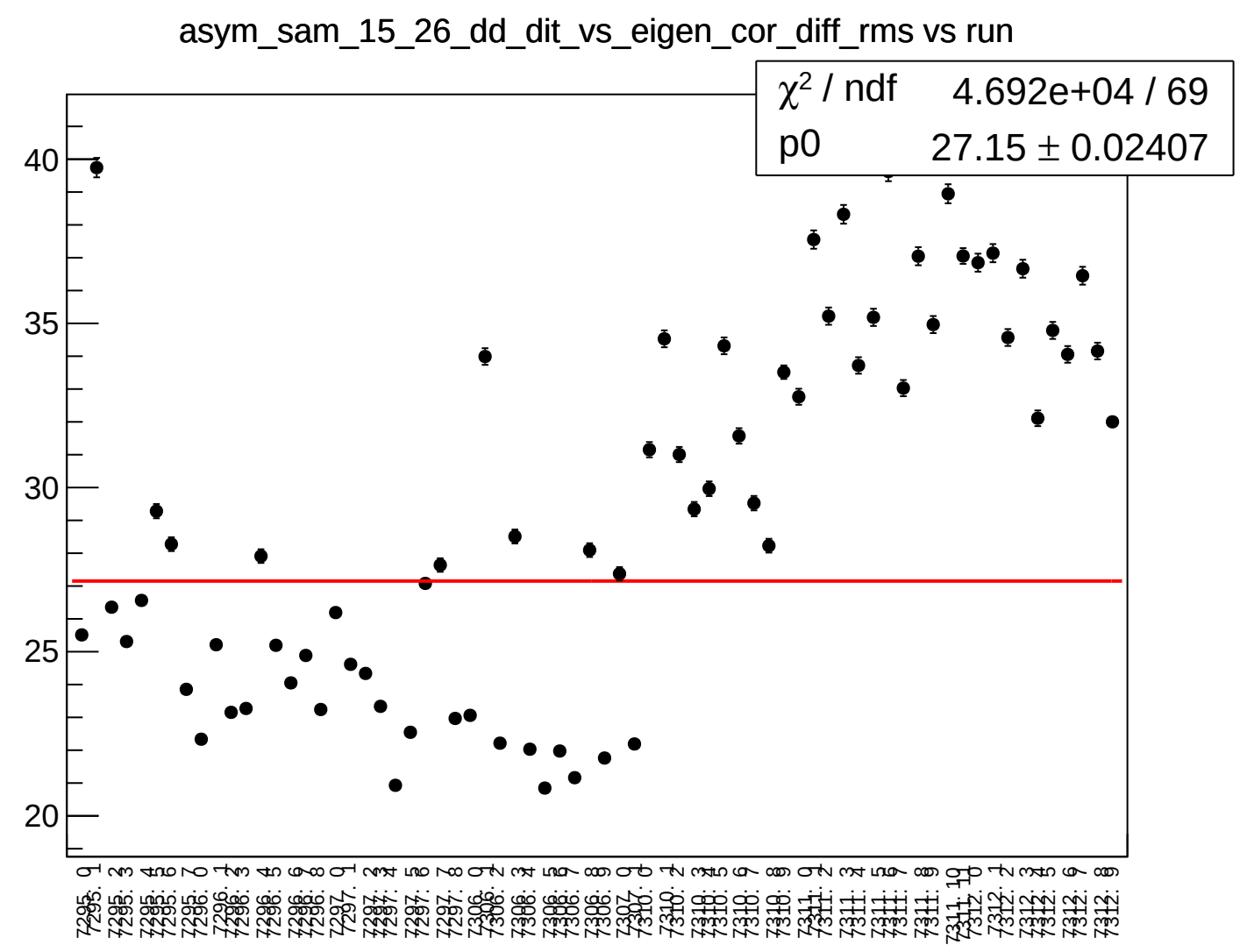

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.856e+05 / 69
p0 5.655e−12 ± 8.59e−15
0.05
0.04
0.03
0.02
0.01
0

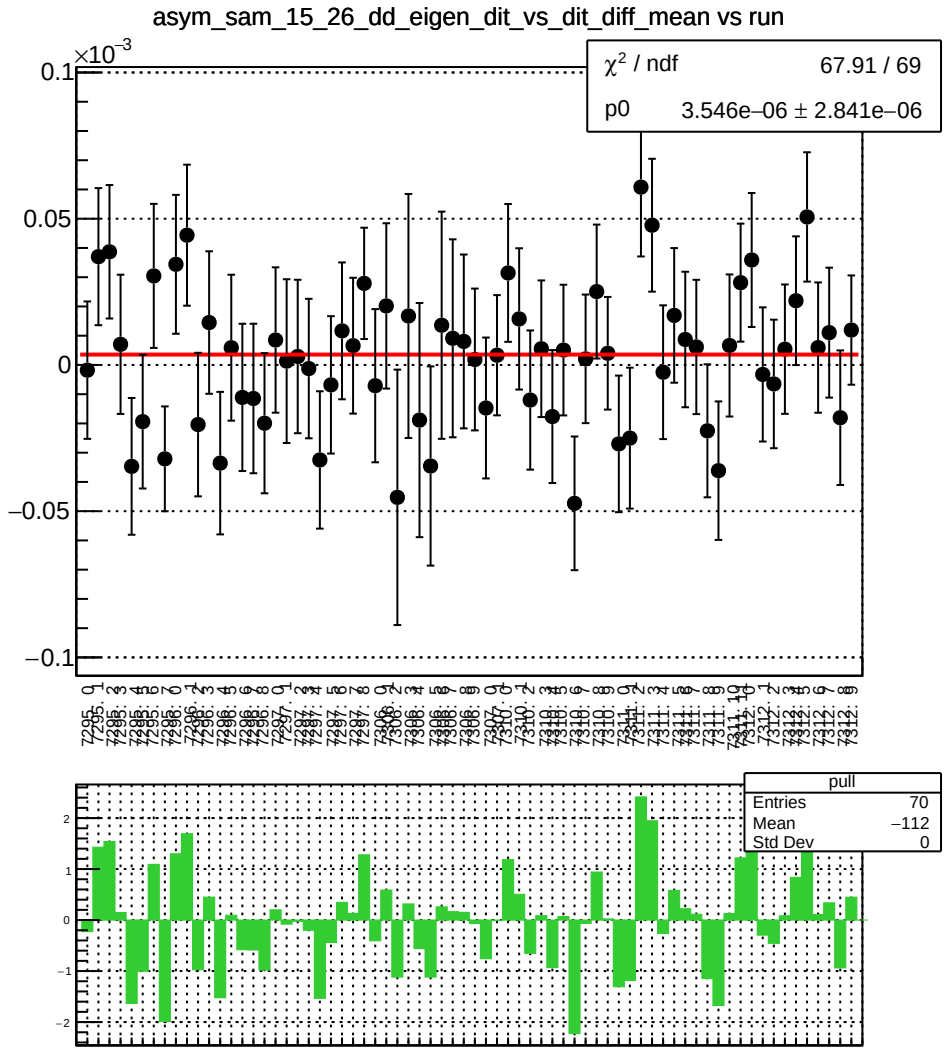

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.57 / 69
p0 −0.005137 ± 0.03405
pull
Entries 70
Mean 60.23
Std Dev 32.6

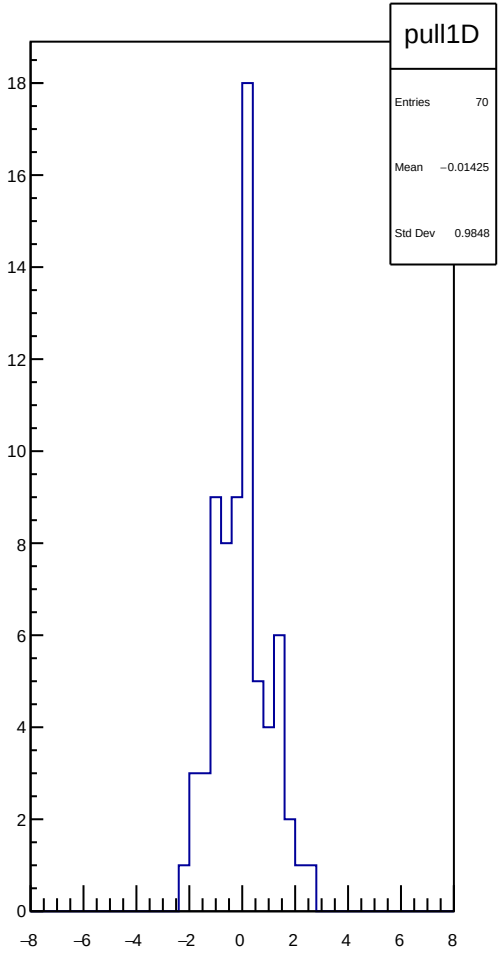

pull1D
Entries 70
Mean −0.02861
Std Dev 0.96

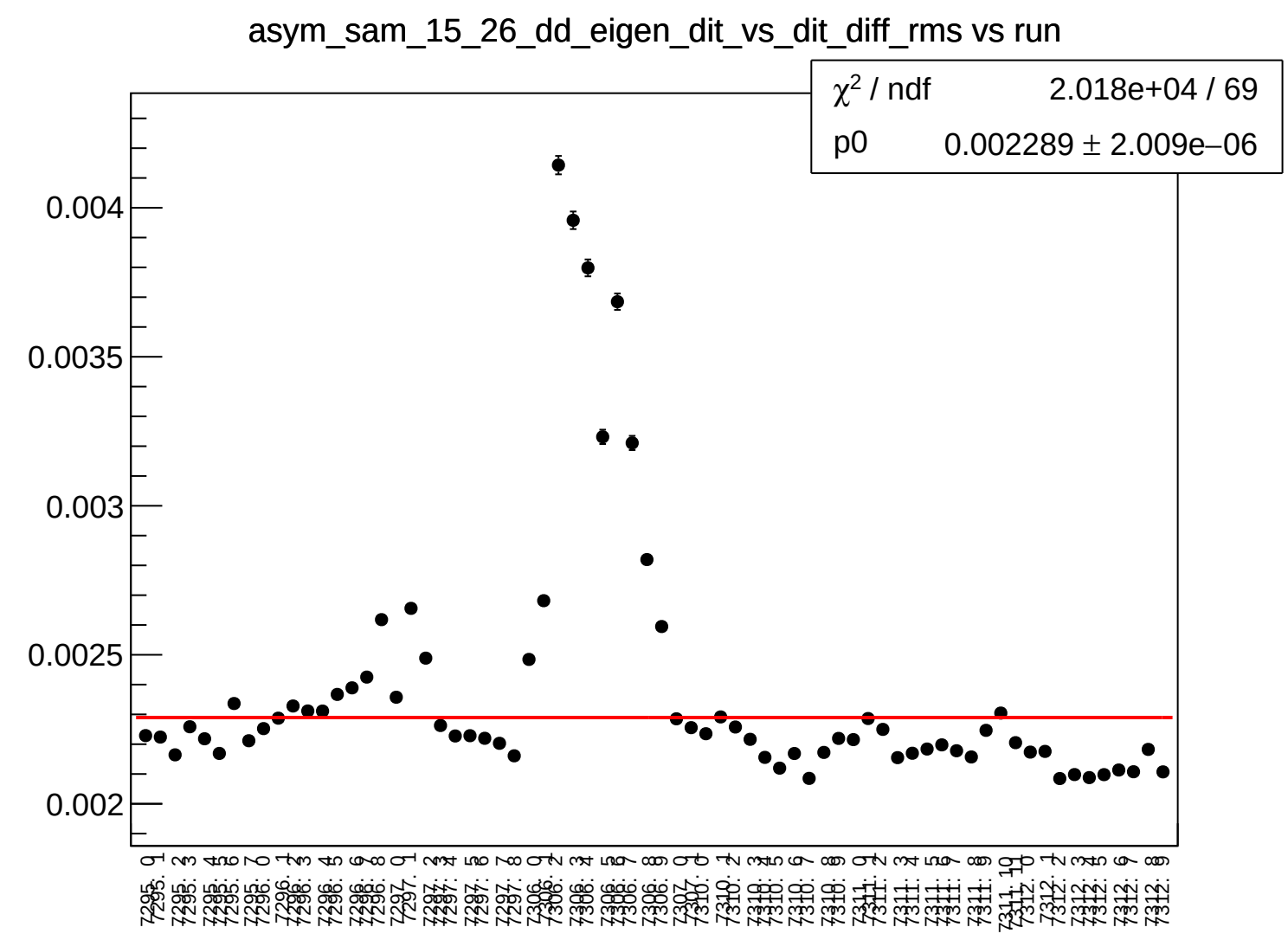

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.692e+04 / 69
p0 27.15 ± 0.02407
40
35
30
25
20

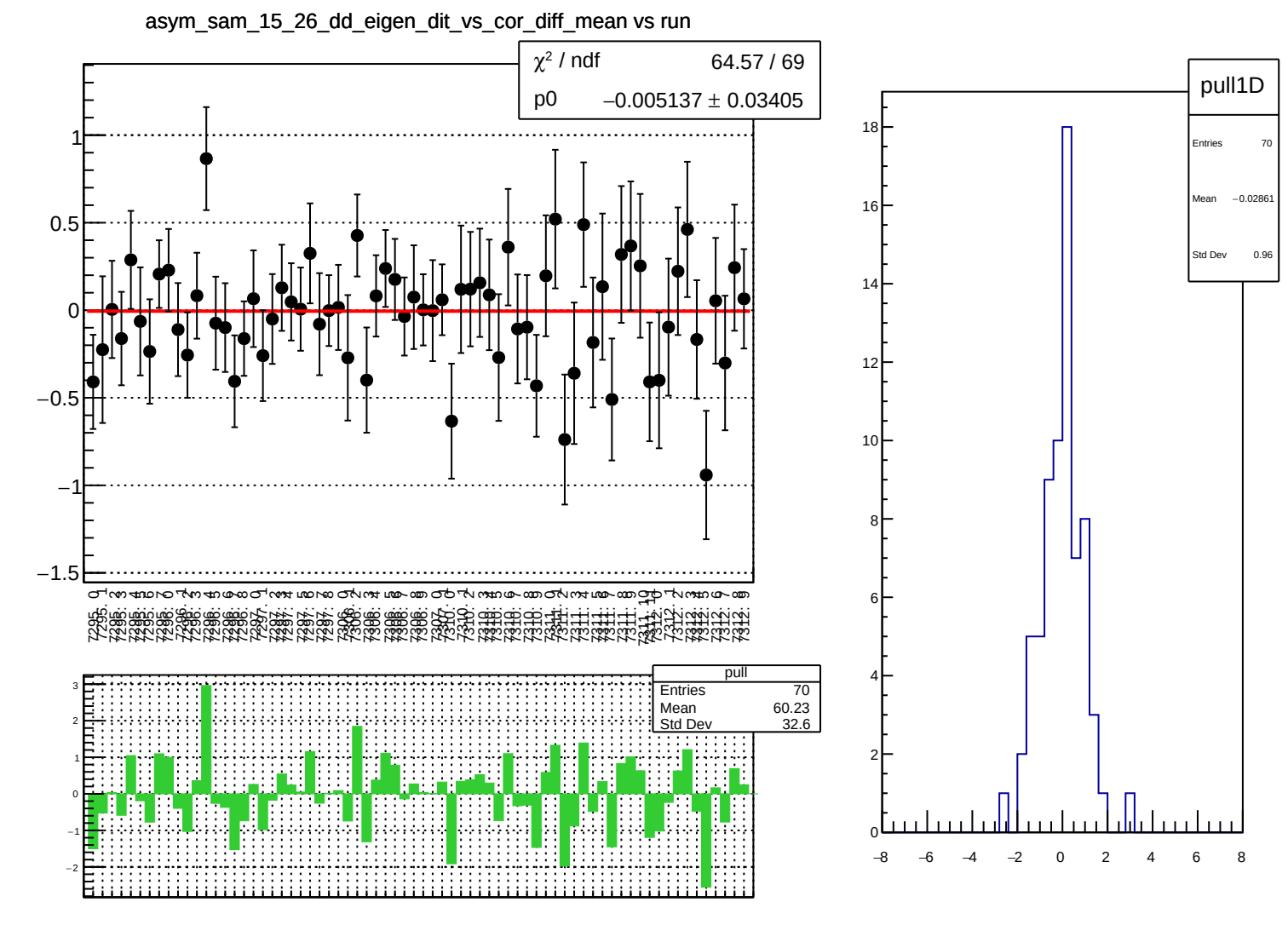

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.57 / 69
p0 −0.005137 ± 0.03405
pull
Entries 70
Mean 60.23
Std Dev 32.6
pull1D
Entries 70
Mean −0.02861
Std Dev 0.96

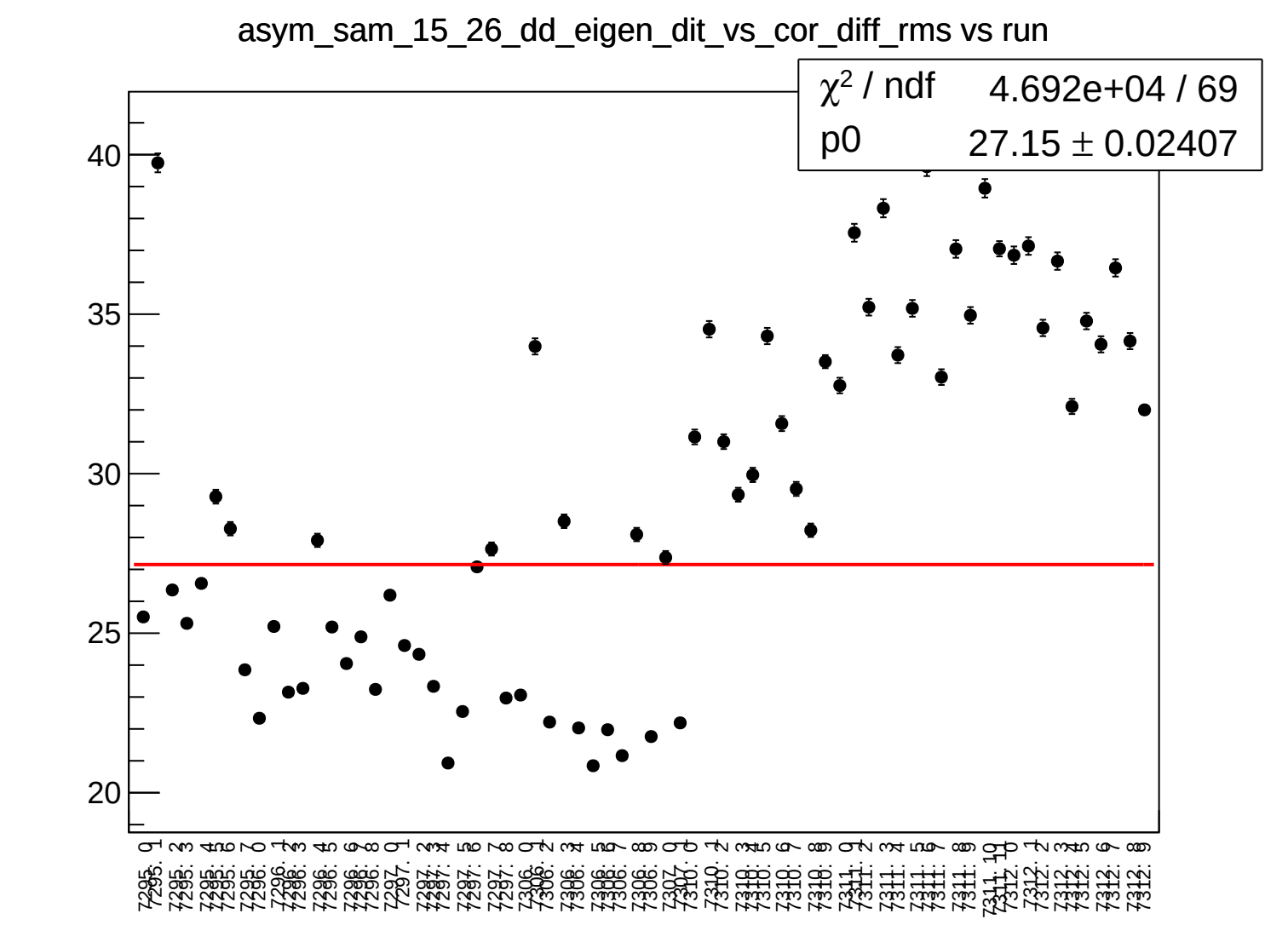

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.692e+04 / 69
p0 27.15 ± 0.02407
40
35
30
25
20

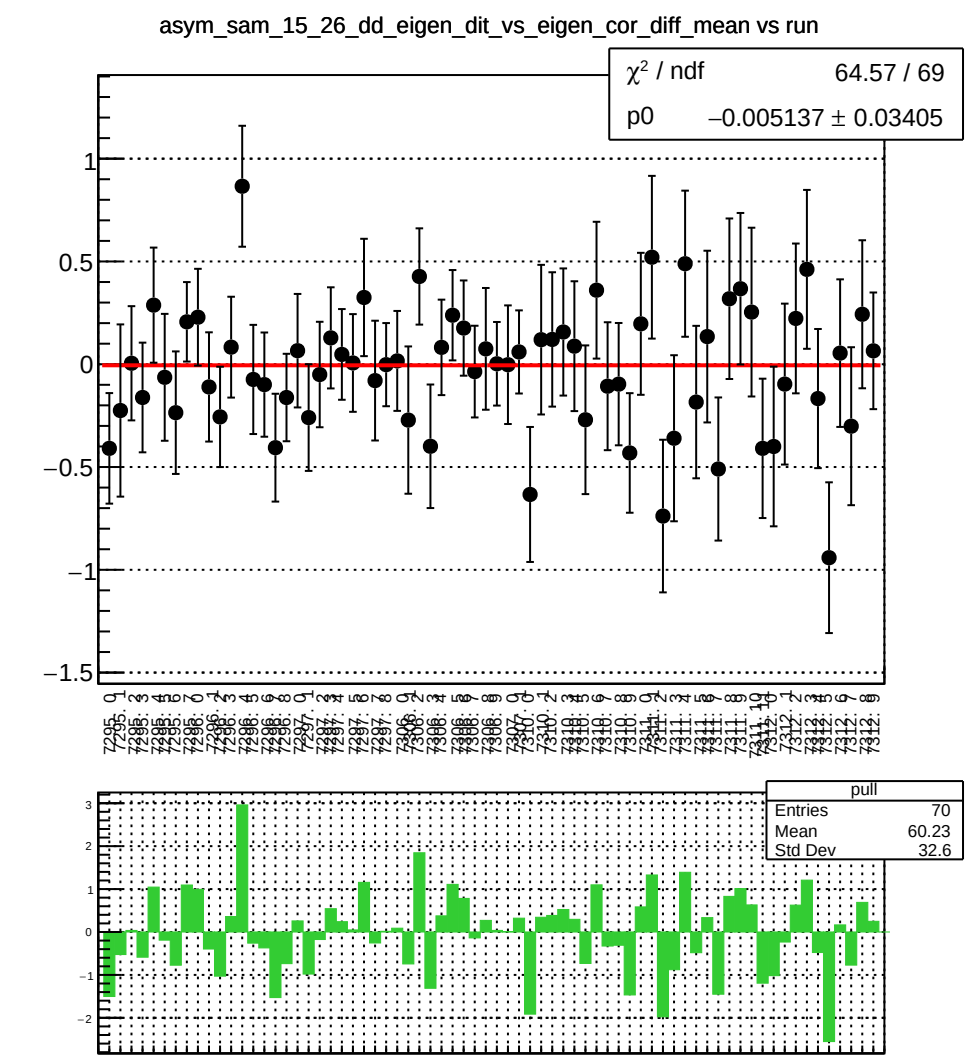

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.91 / 69
p0 3.546e−06 ± 2.841e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 70
Mean −112
Std Dev 0
2
1
0
−1
−2

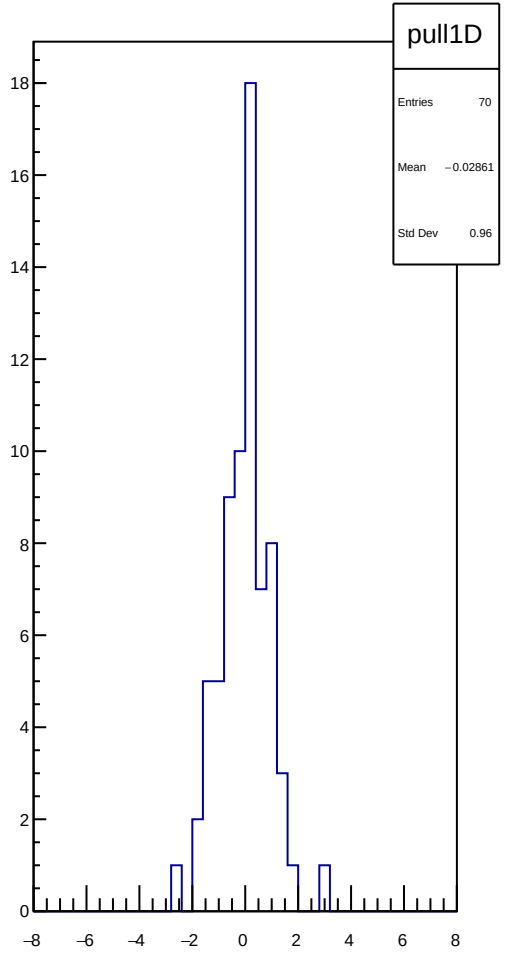

pull1D
Entries 70
Mean −0.01425
Std Dev 0.9848
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

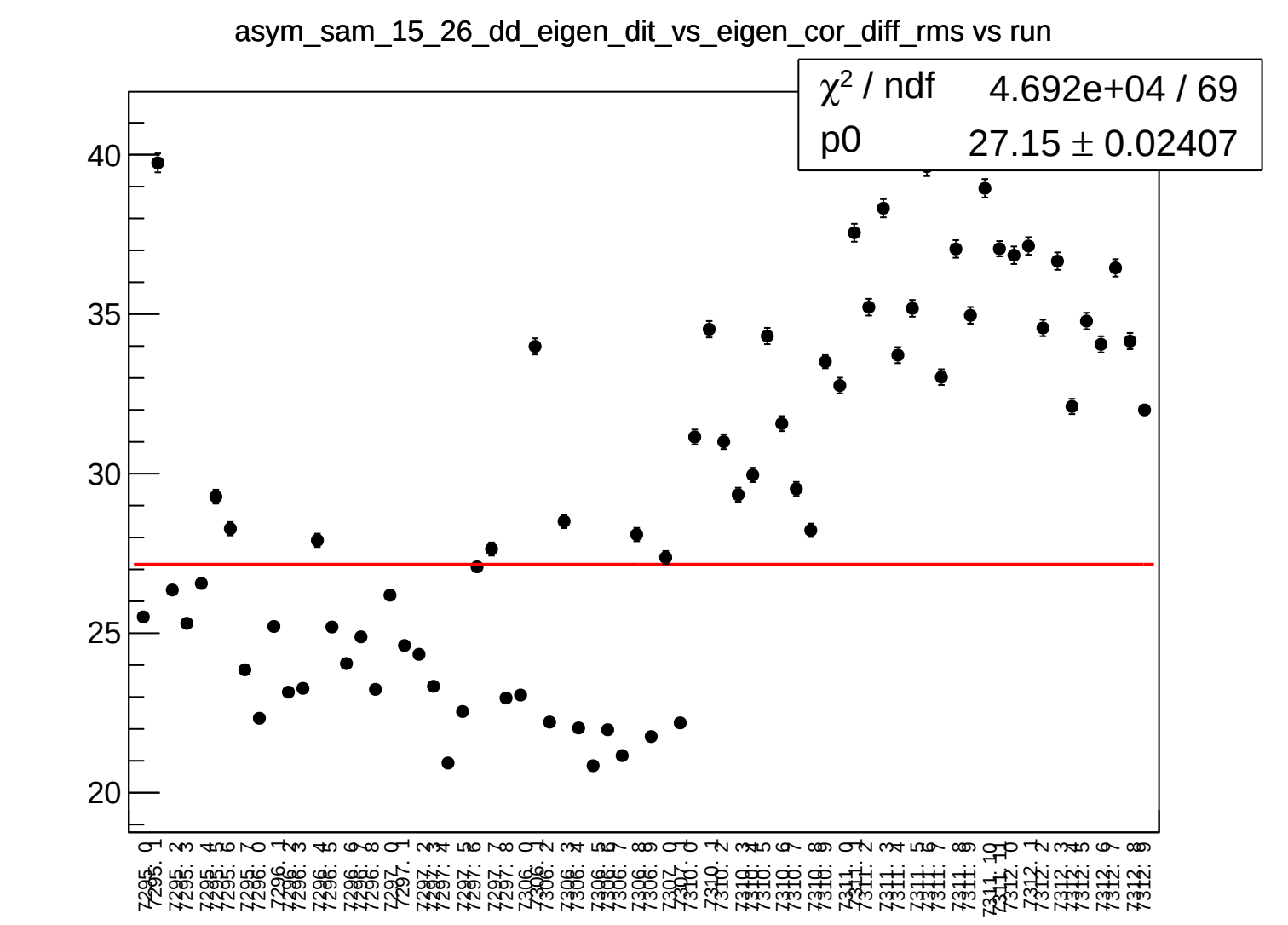

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.018e+04 / 69
p0 0.002289 ± 2.009e−06
0.004
0.0035
0.003
0.0025
0.002

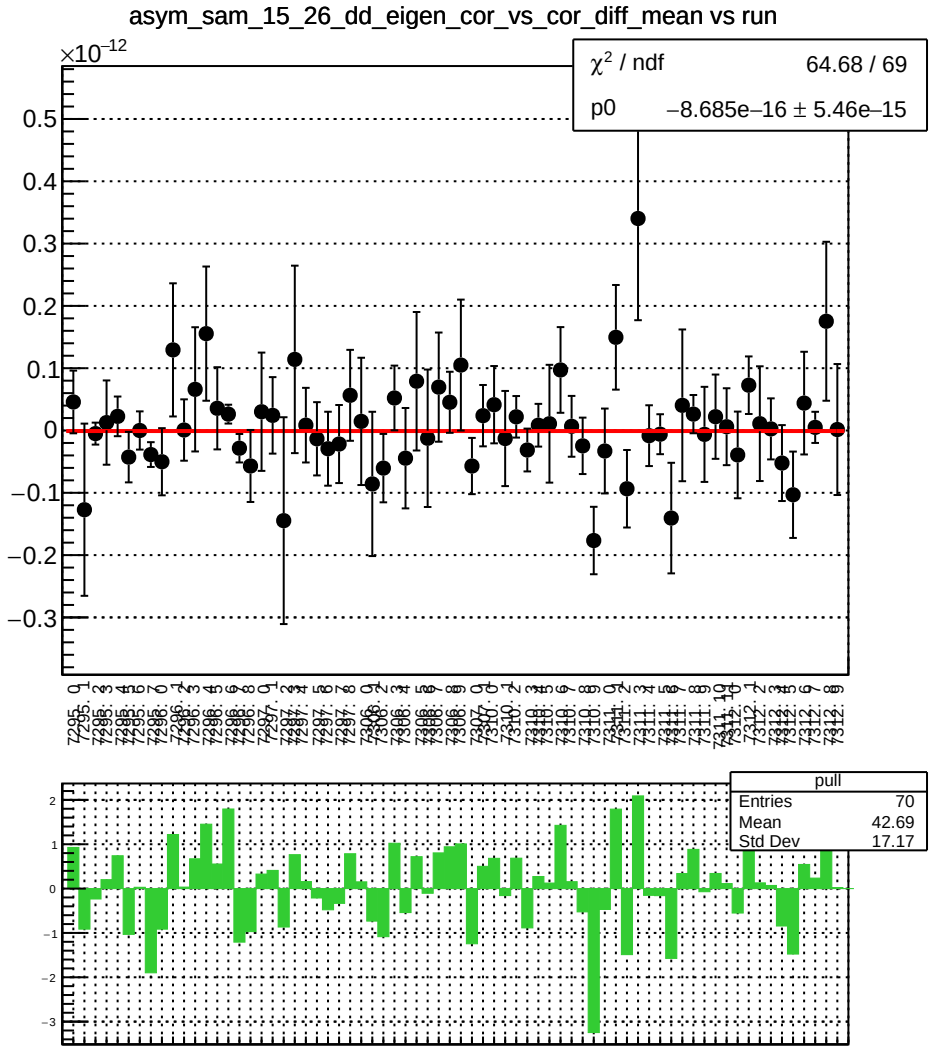

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.57 / 69
p0 −0.005137 ± 0.03405
pull
Entries 70
Mean 60.23
Std Dev 32.6
pull1D
Entries 70
Mean −0.02861
Std Dev 0.96

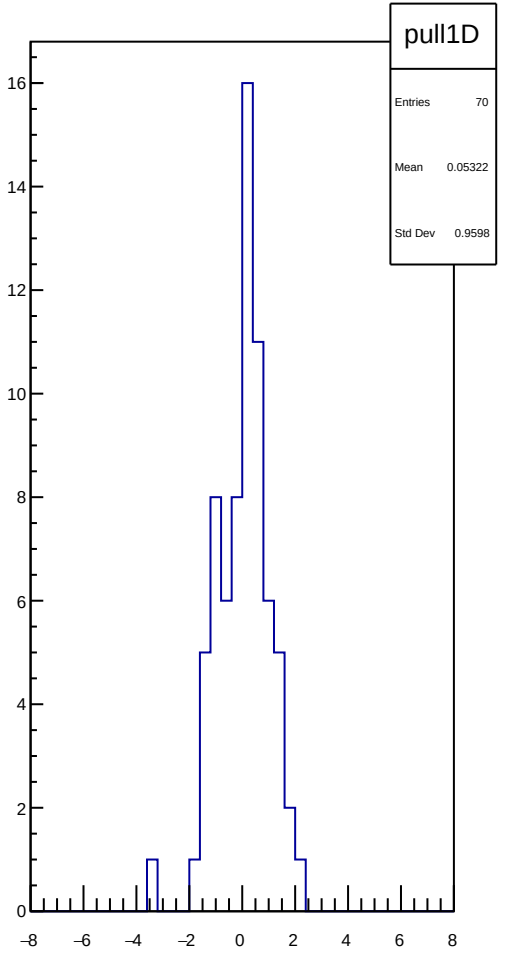

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.692e+04 / 69
p0 27.15 ± 0.02407
40
35
30
25
20

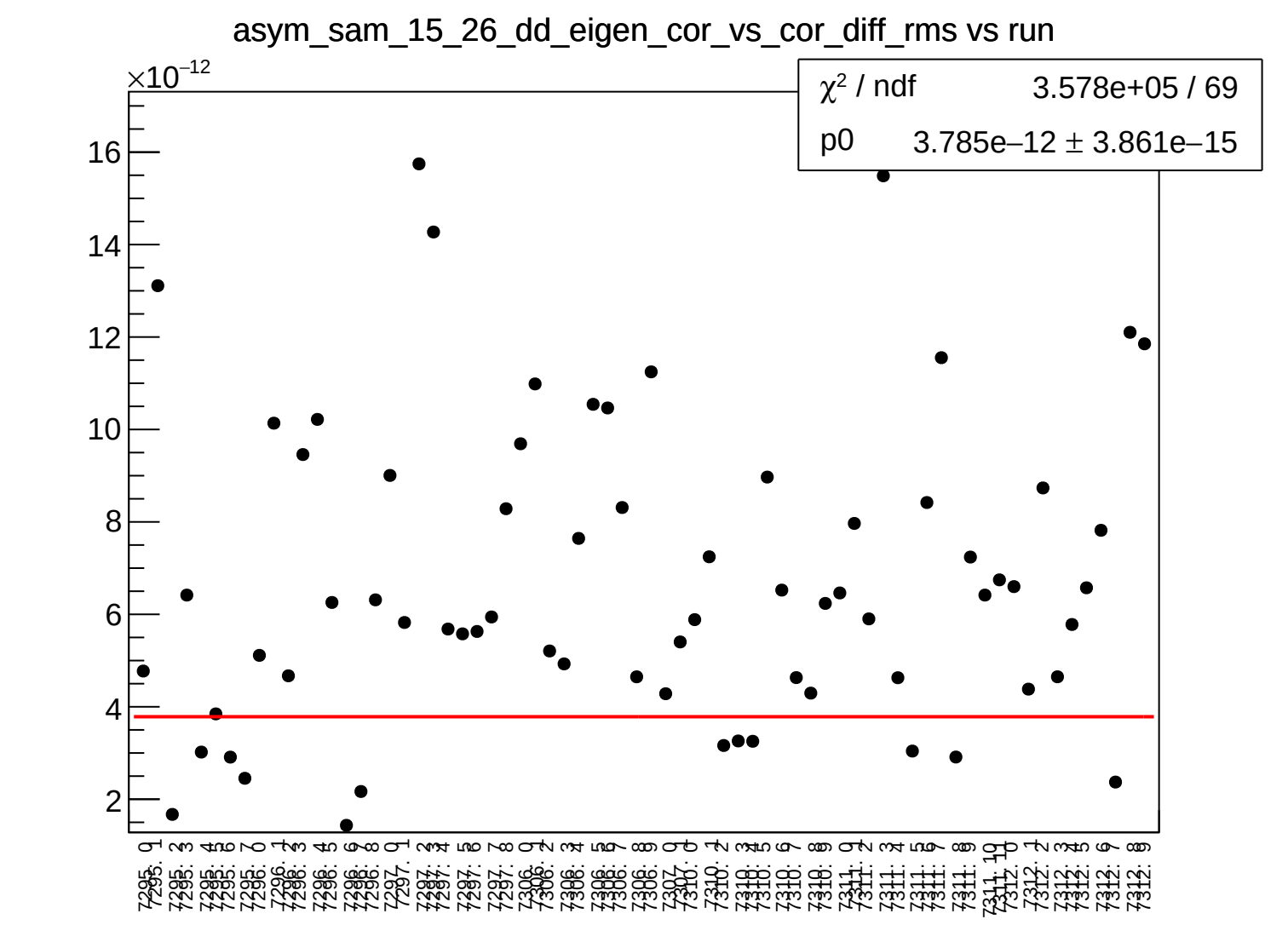

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.57 / 69
p0 −0.005137 ± 0.03405
pull
Entries 70
Mean 60.23
Std Dev 32.6

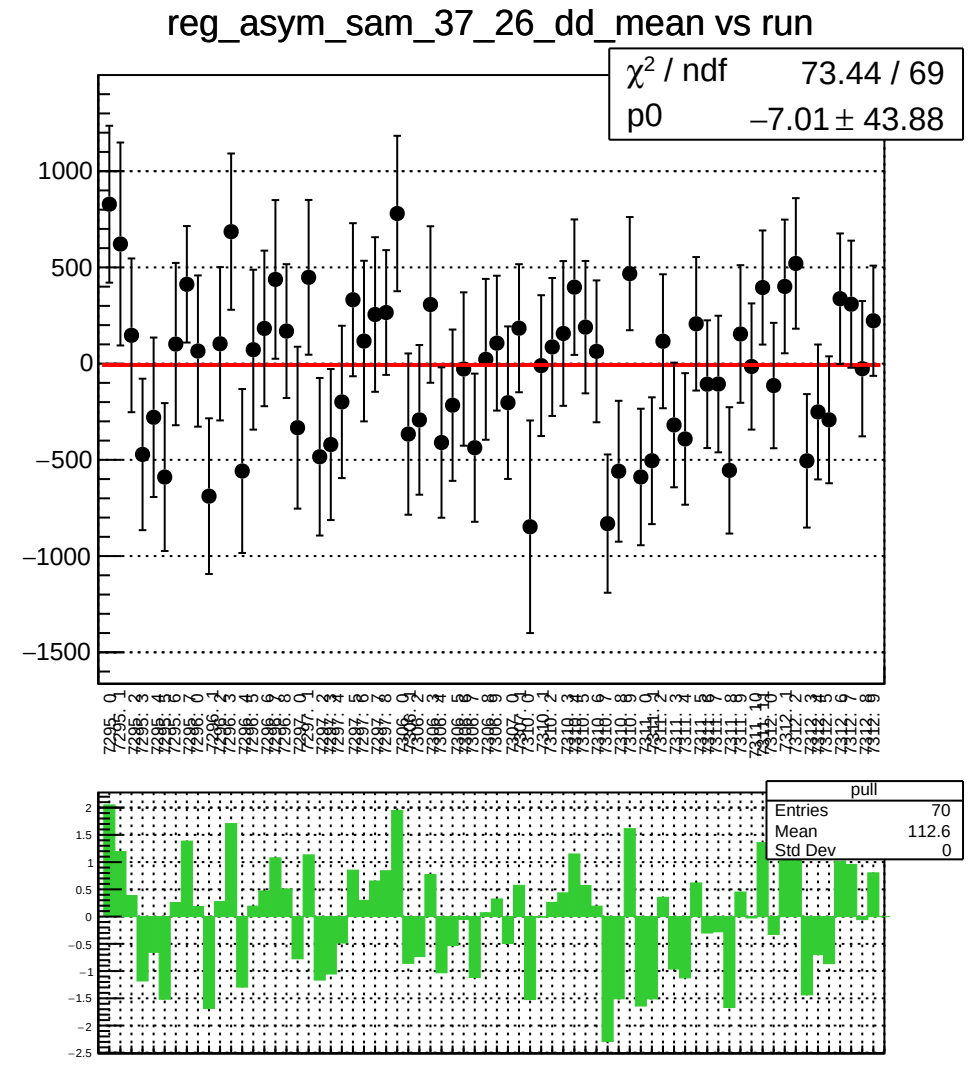

pull1D
Entries 70
Mean −0.02861
Std Dev 0.96

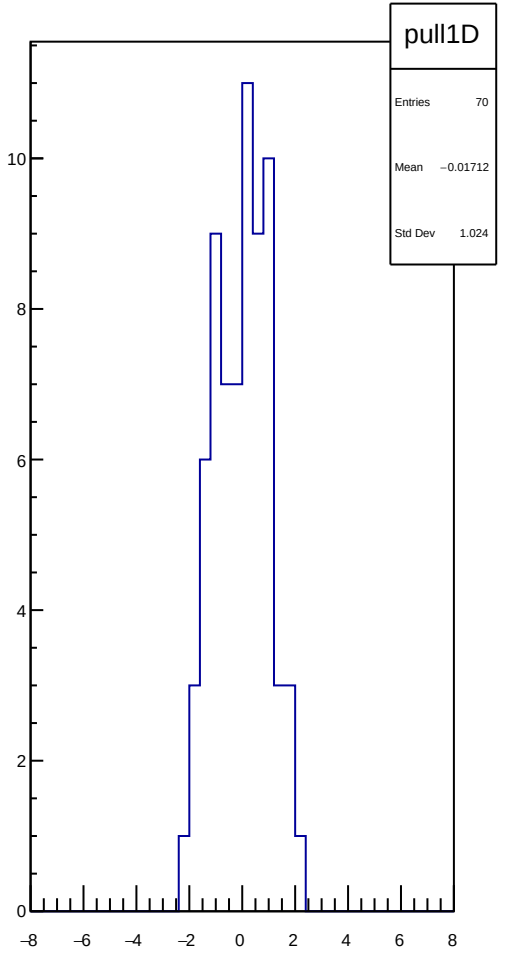

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.692e+04 / 69
p0 27.15 ± 0.02407
40
35
30
25
20

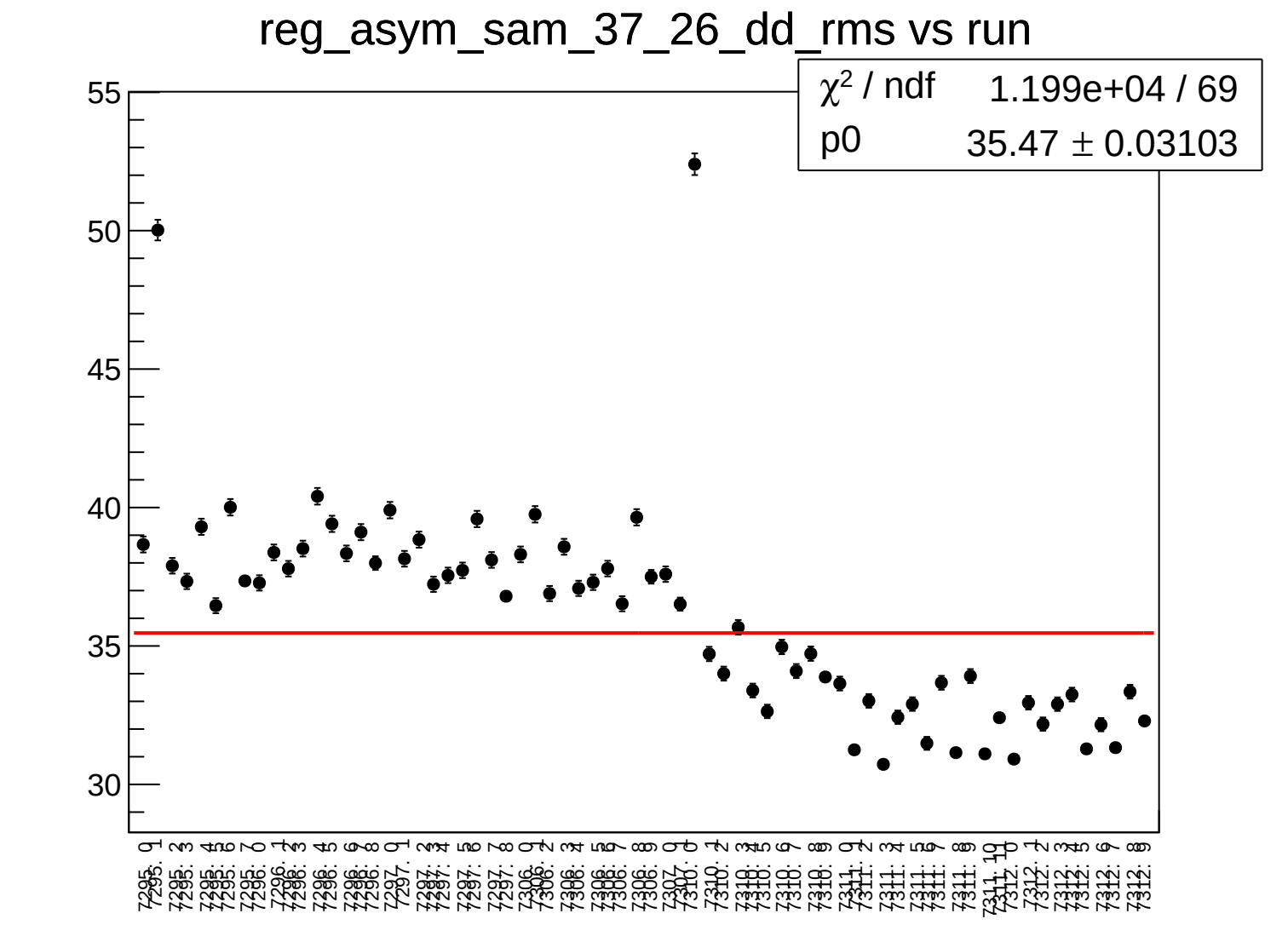

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.68 / 69
p0 −8.685e−16 ± 5.46e−15
pull
Entries 70
Mean 42.69
Std Dev 17.17

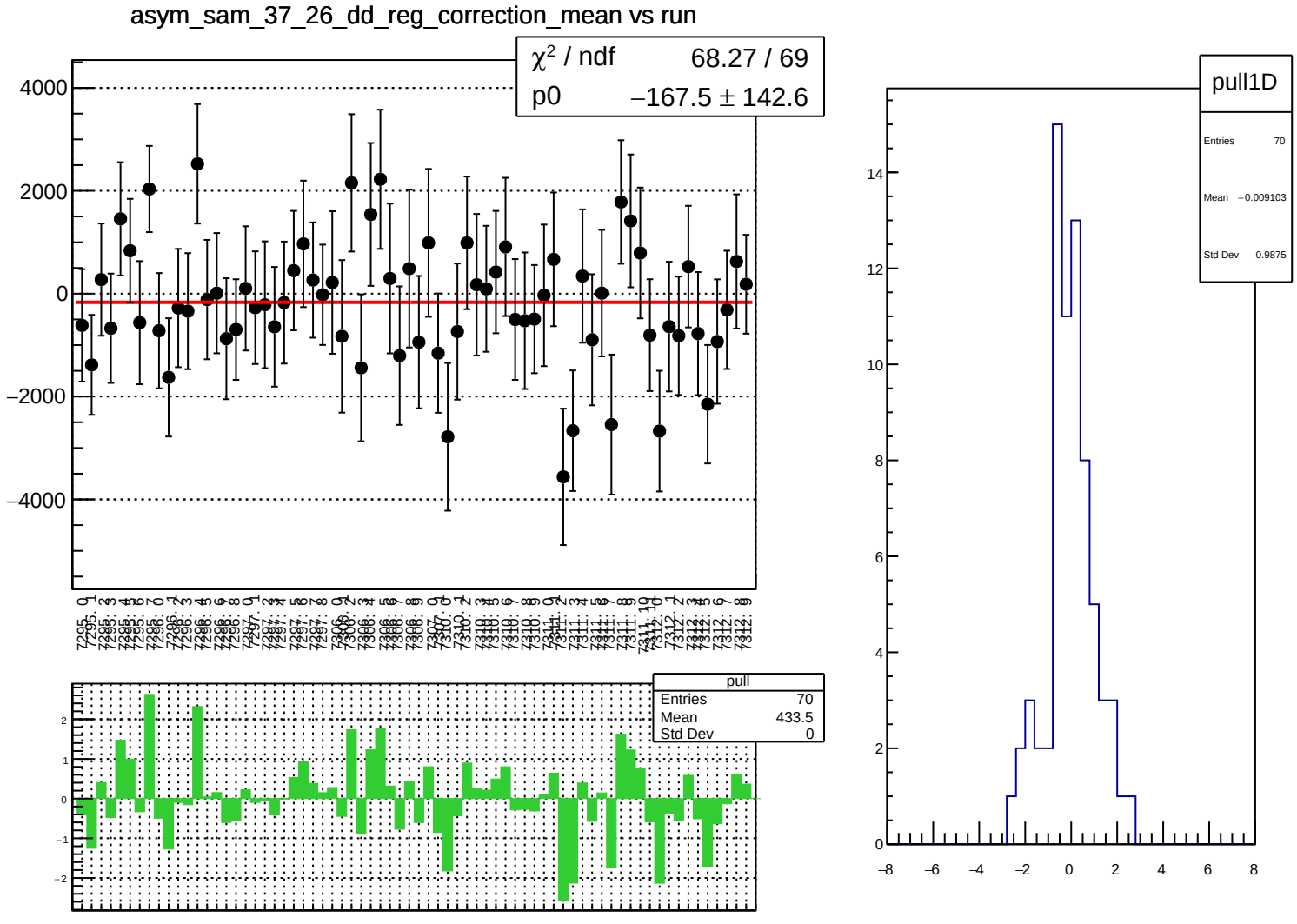

pull1D
Entries 70
Mean 0.05322
Std Dev 0.9598

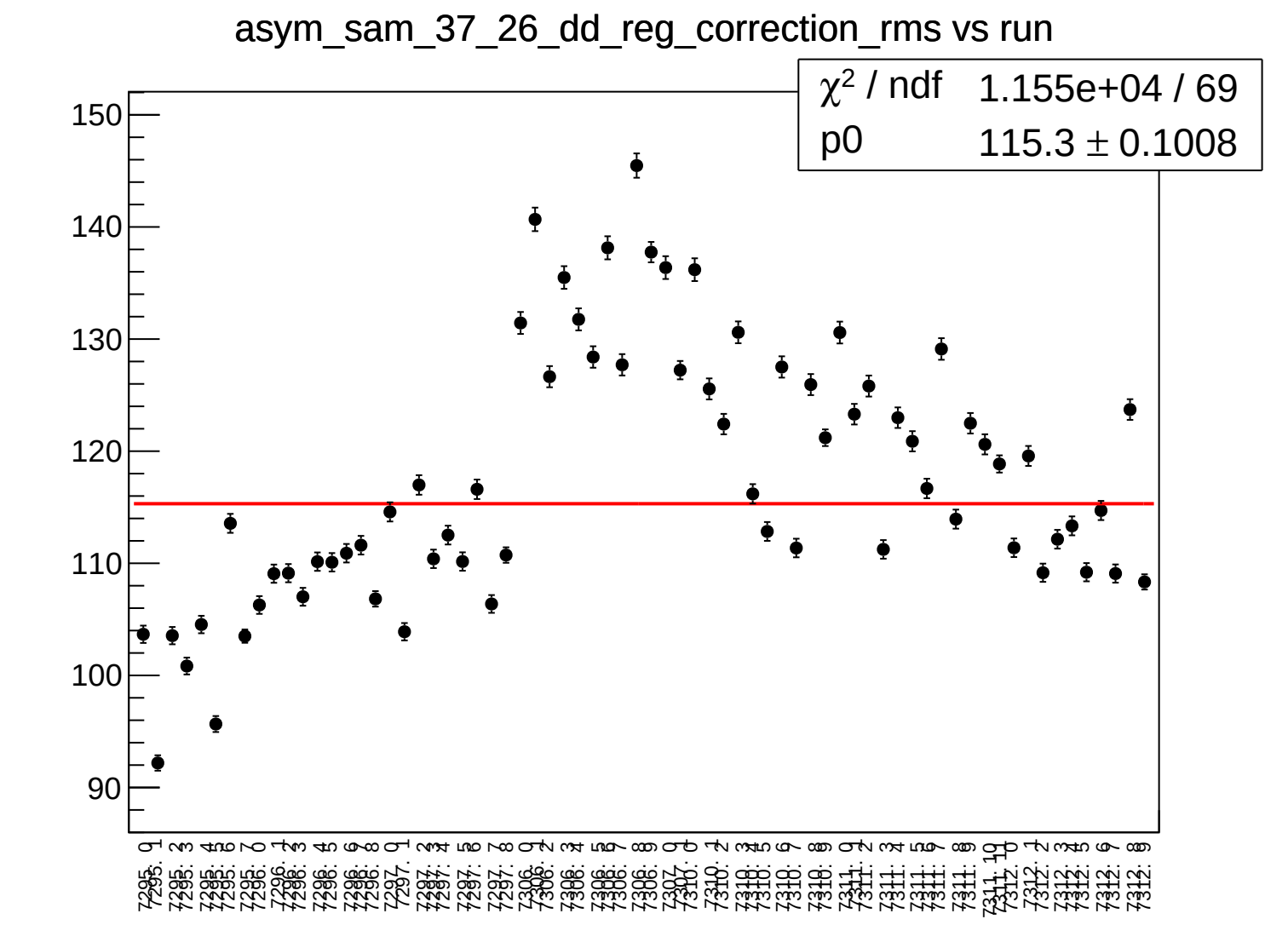

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.578e+05 / 69
p0 3.785e−12 ± 3.861e−15
16
14
12
10
8
6
4
2

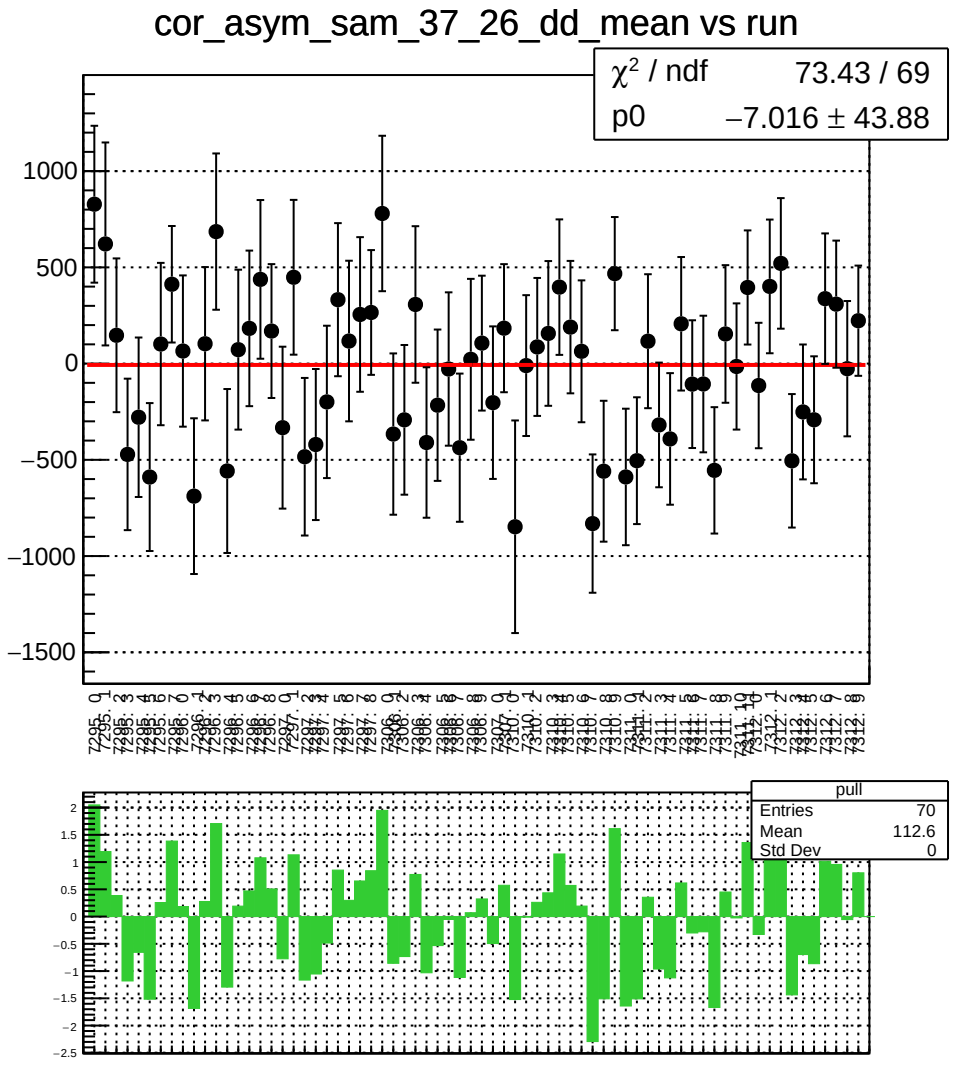

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 73.44 / 69
p0 −7.01 ± 43.88
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

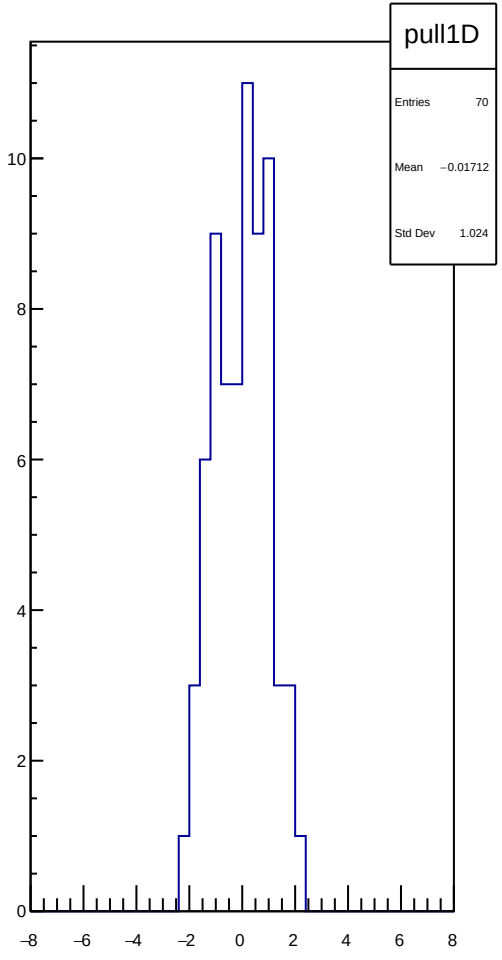

pull1D
Entries 70
Mean −0.01712
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

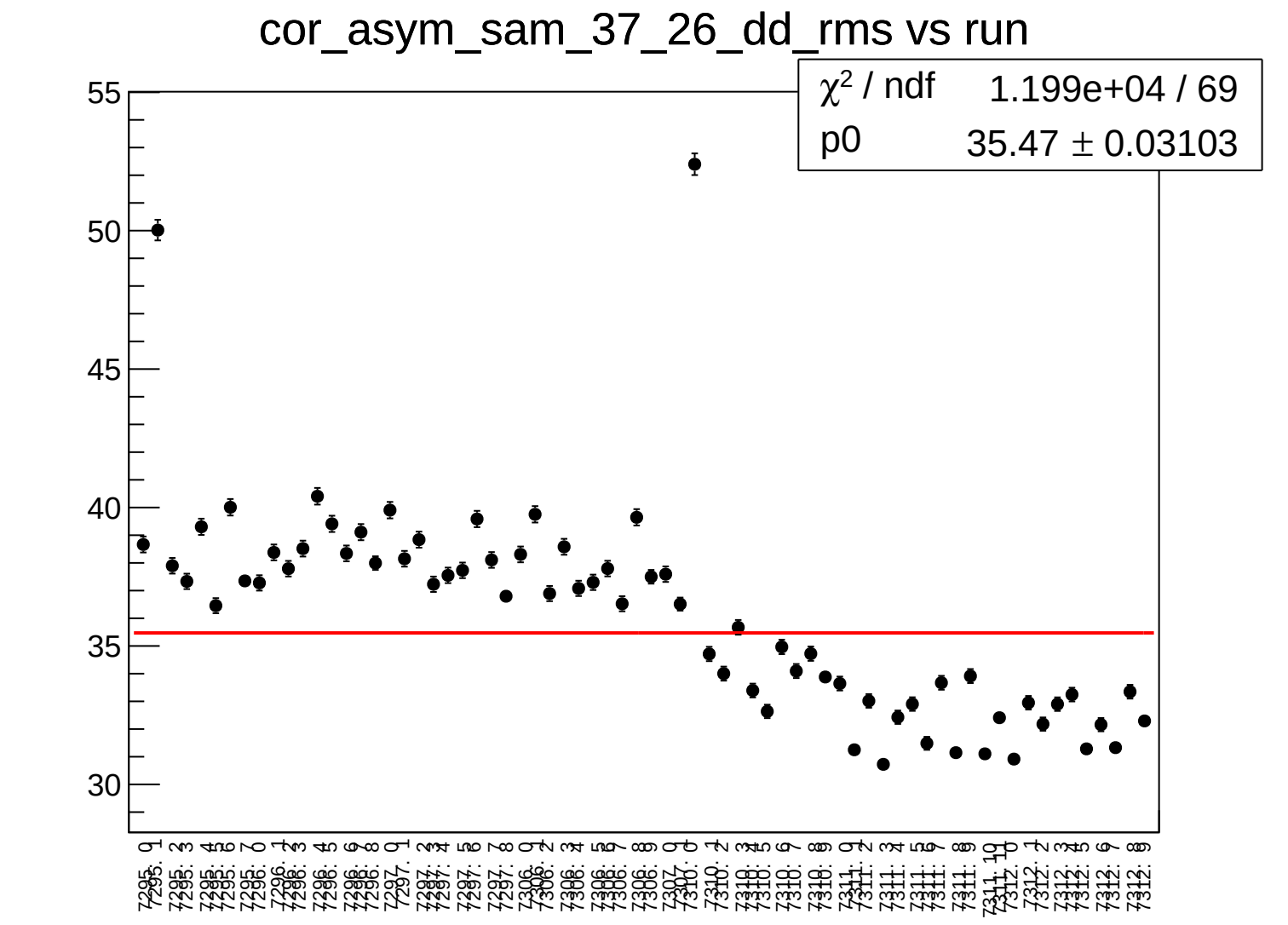

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.199e+04 / 69
p0 35.47 ± 0.03103
55
50
45
40
35
30

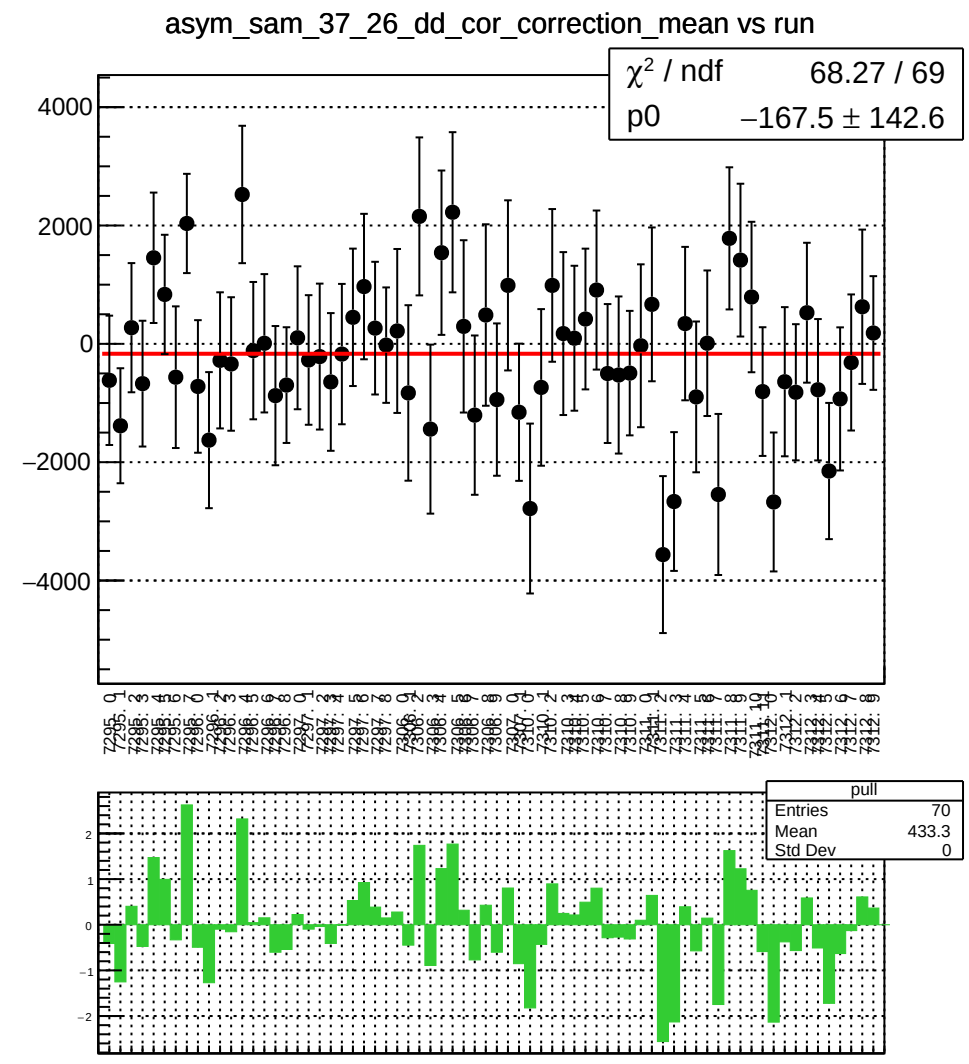

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 68.27 / 69
p0 −167.5 ± 142.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 433.5
Std Dev 0
pull1D
Entries 70
Mean −0.009103
Std Dev 0.9875

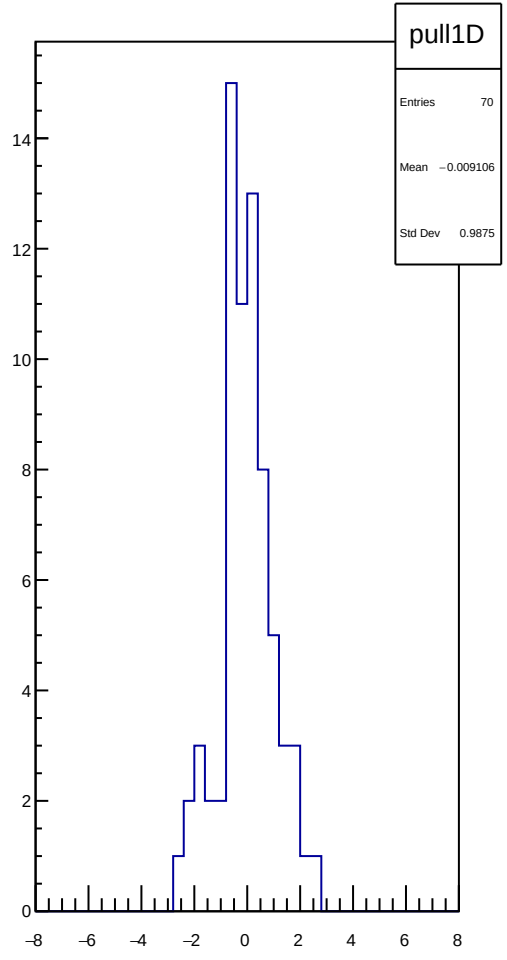

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1.155e+04 / 69
p0 115.3 ± 0.1008
150
140
130
120
110
100
90

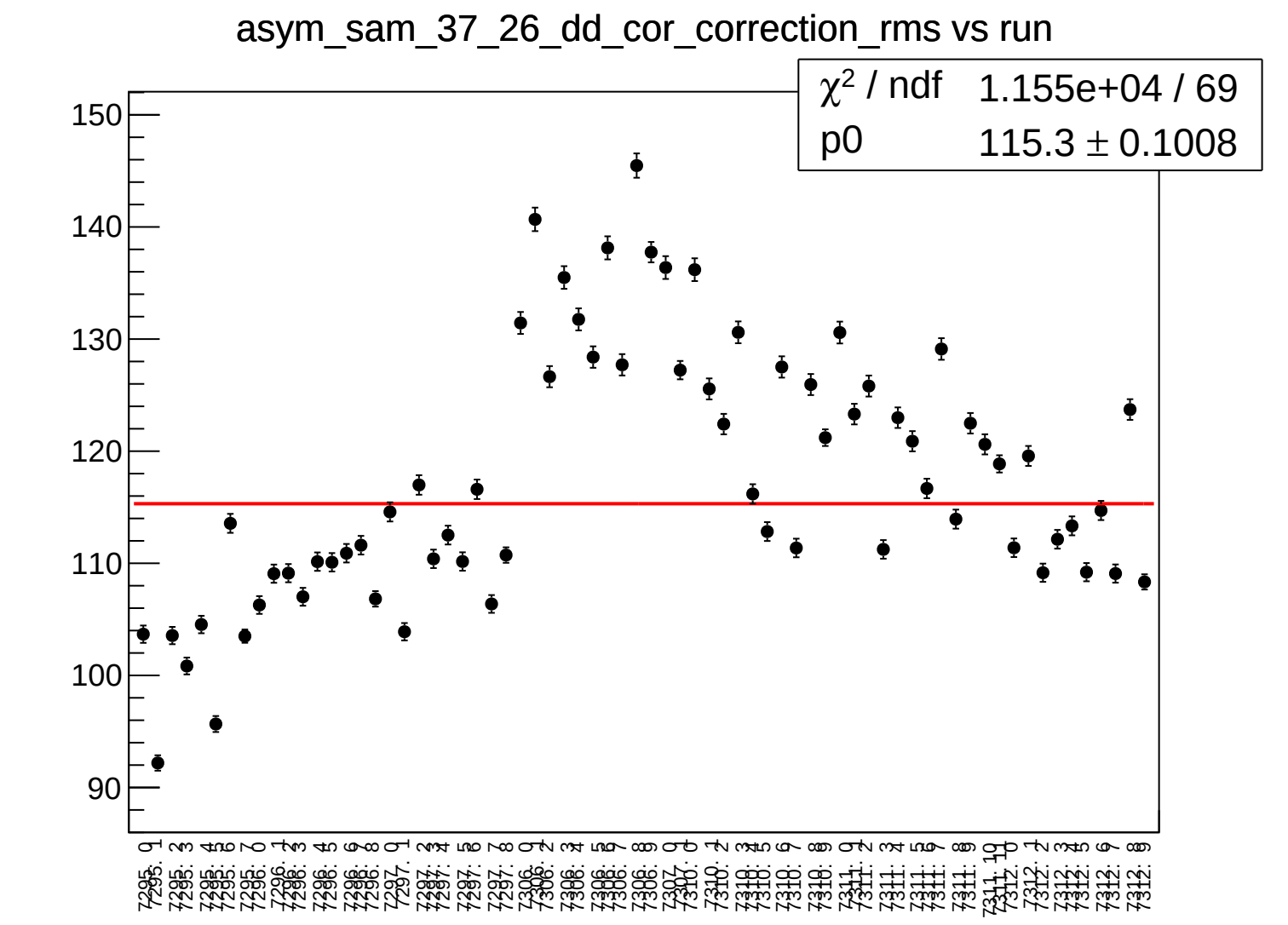

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 73.43 / 69
p0 −7.016 ± 43.88
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

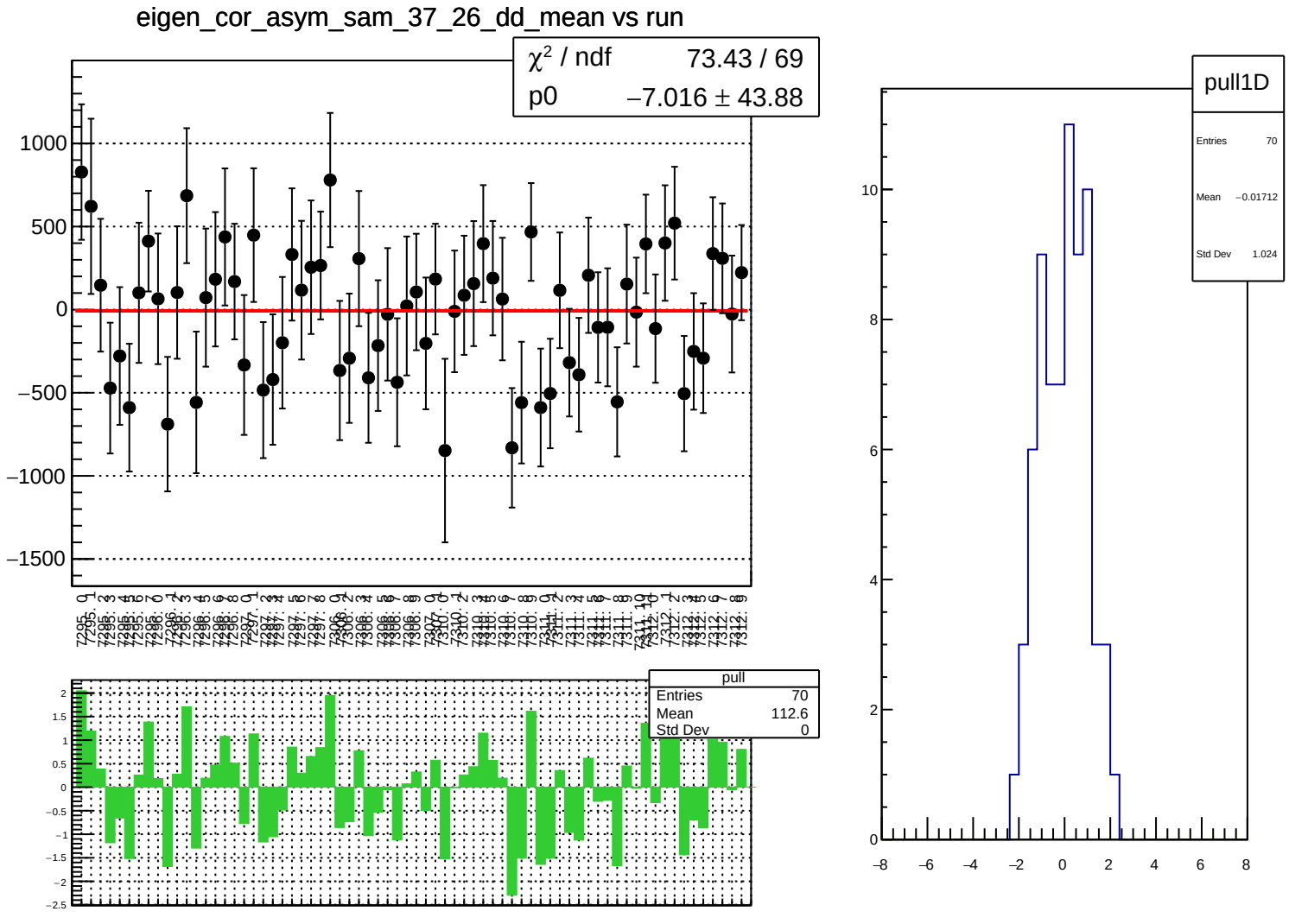

pull1D
Entries 70
Mean −0.01712
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

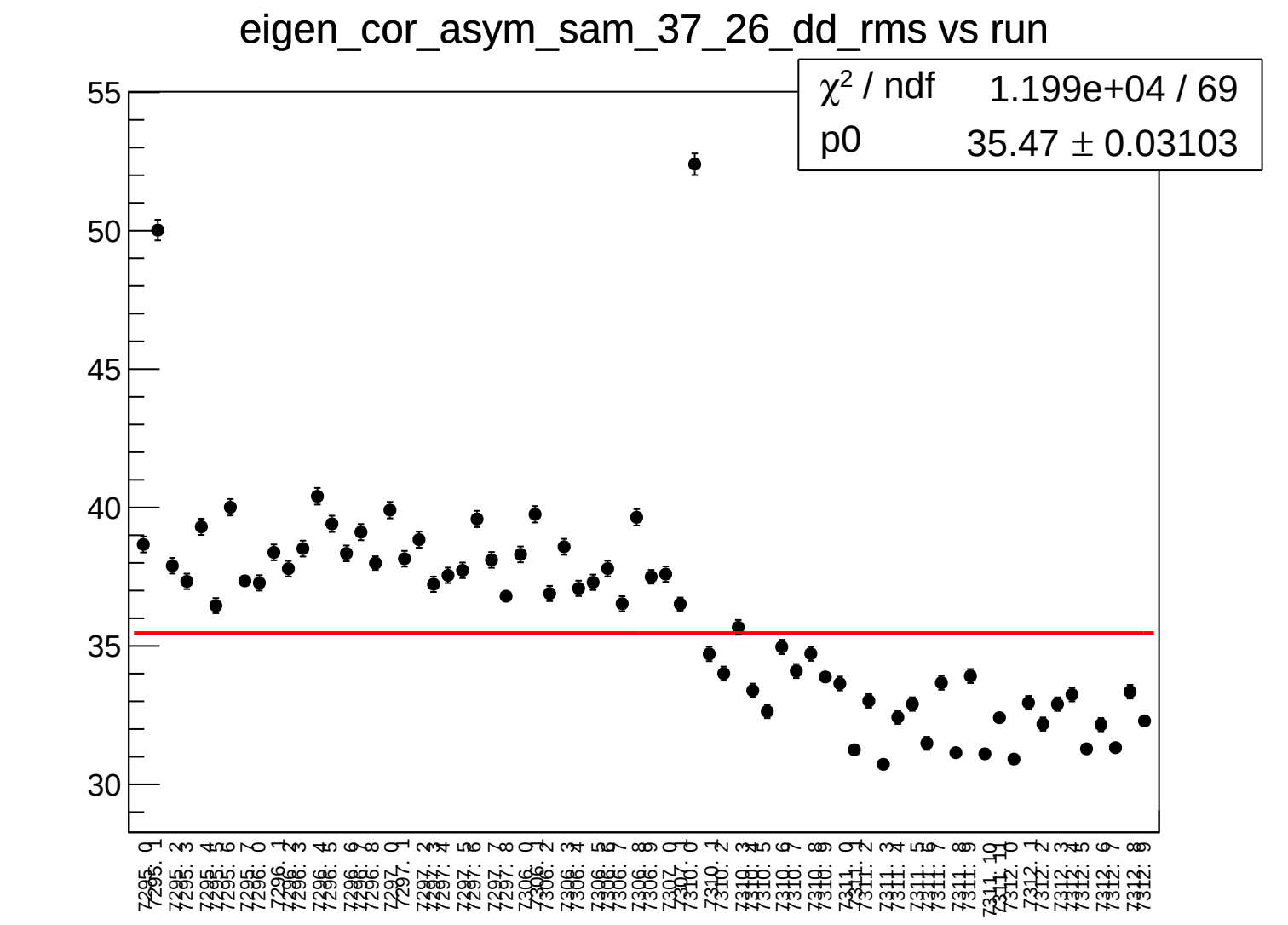

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.199e+04 / 69
p0 35.47 ± 0.03103
55
50
45
40
35
30

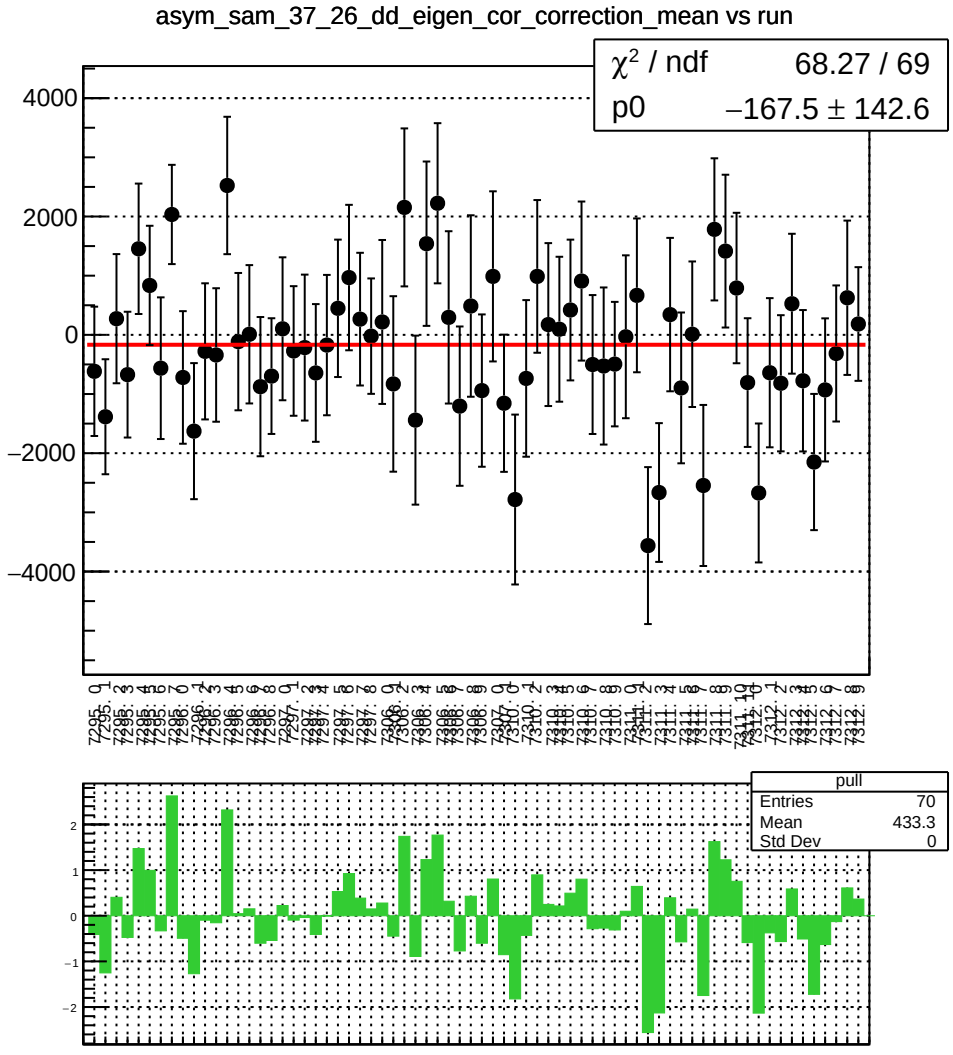

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 68.27 / 69
p0 −167.5 ± 142.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 433.3
Std Dev 0
2
1
0
−1
−2

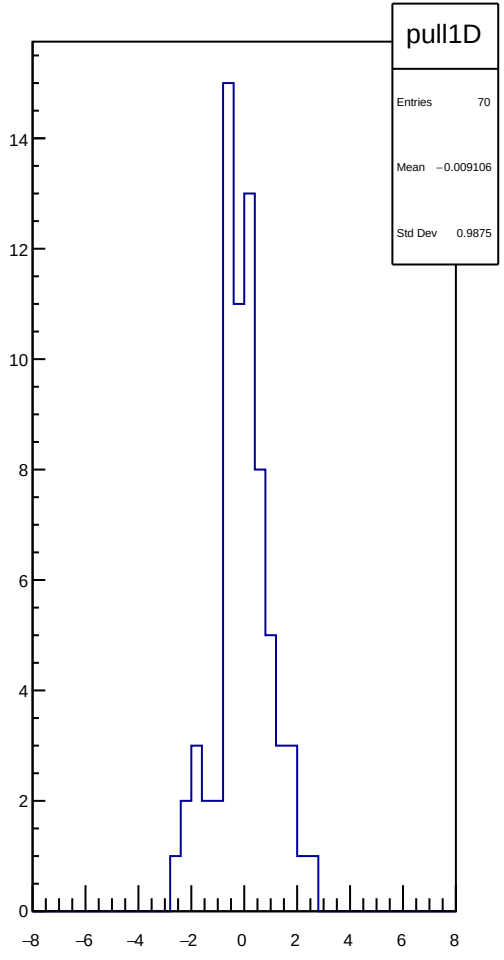

pull1D
Entries 70
Mean −0.009106
Std Dev 0.9875
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

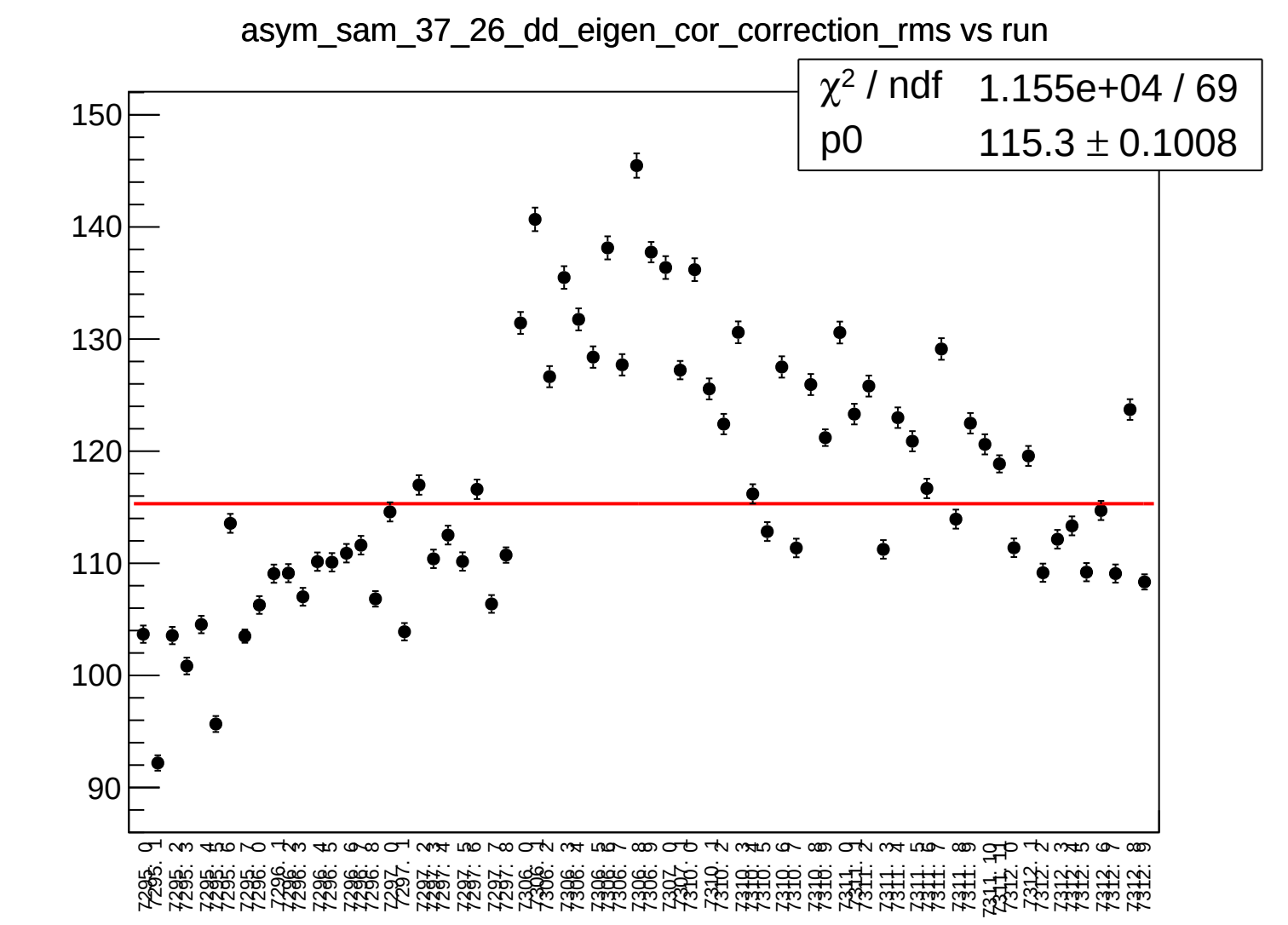

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1.155e+04 / 69
p0 115.3 ± 0.1008
150
140
130
120
110
100
90

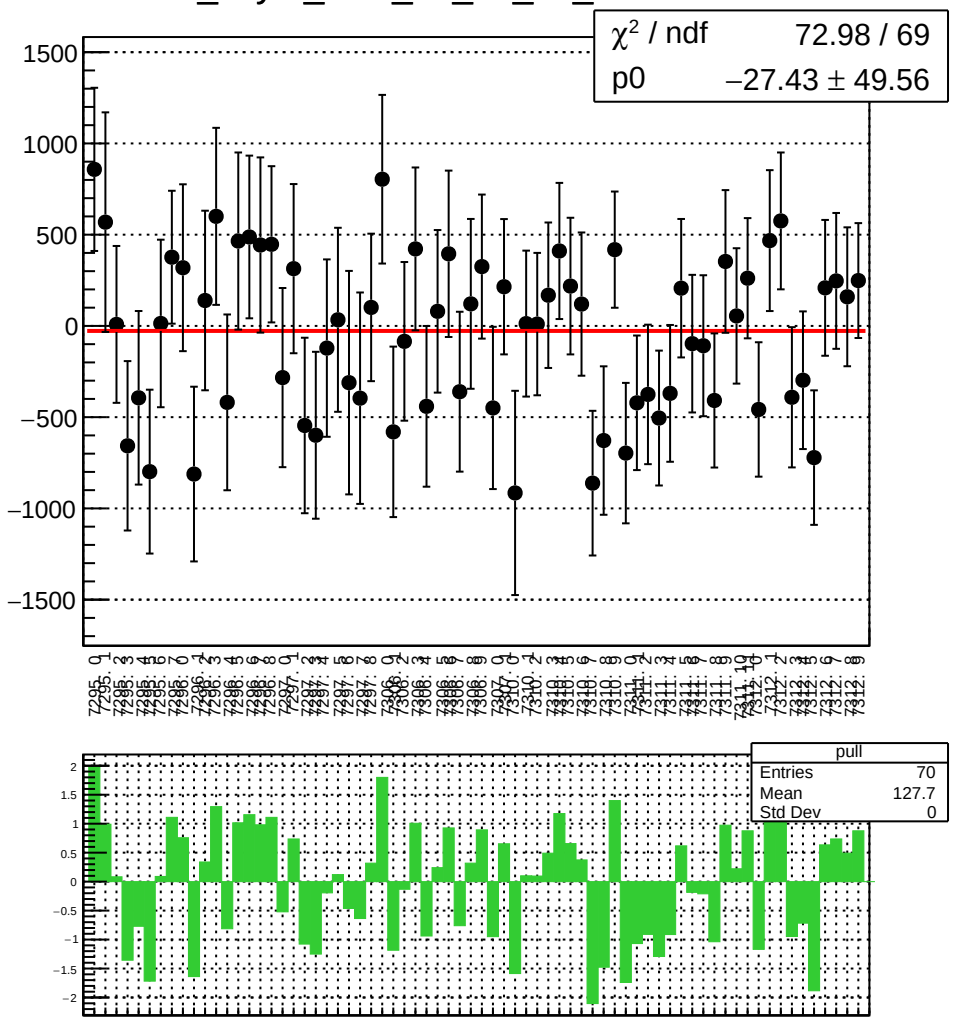

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 73.43 / 69
p0 −7.016 ± 43.88
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 112.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 70
Mean −0.01712
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

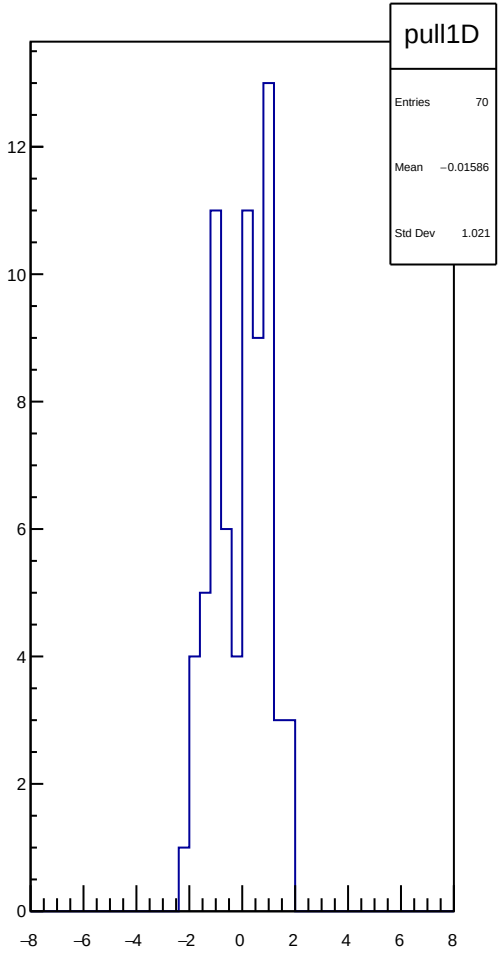

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.199e+04 / 69
p0 35.47 ± 0.03103
55
50
45
40
35
30

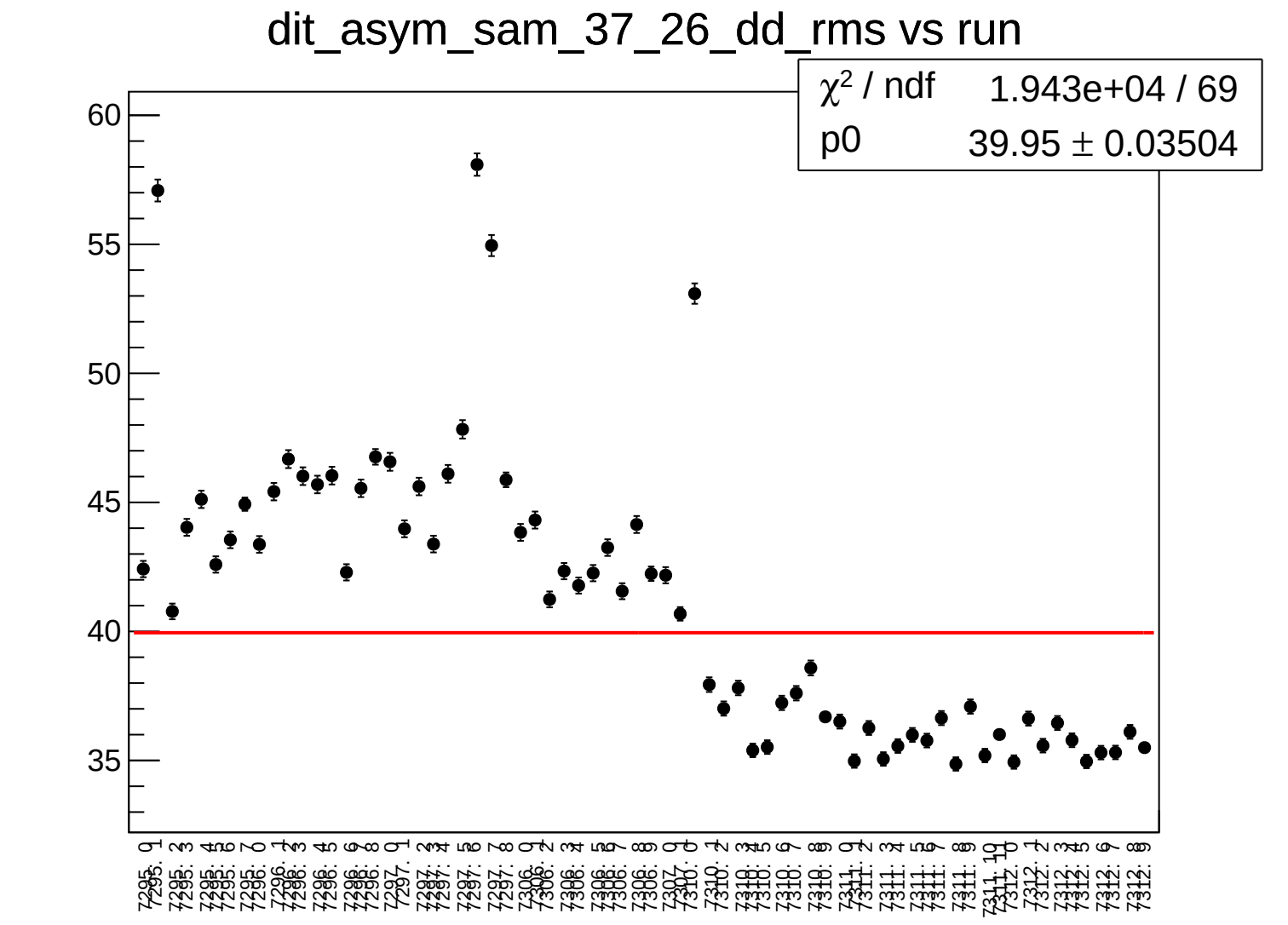

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.27 / 69
p0 −167.5 ± 142.6
4000
2000
0
−2000
−4000
pull
Entries 70
Mean 433.3
Std Dev 0
2
1
0
−1
−2

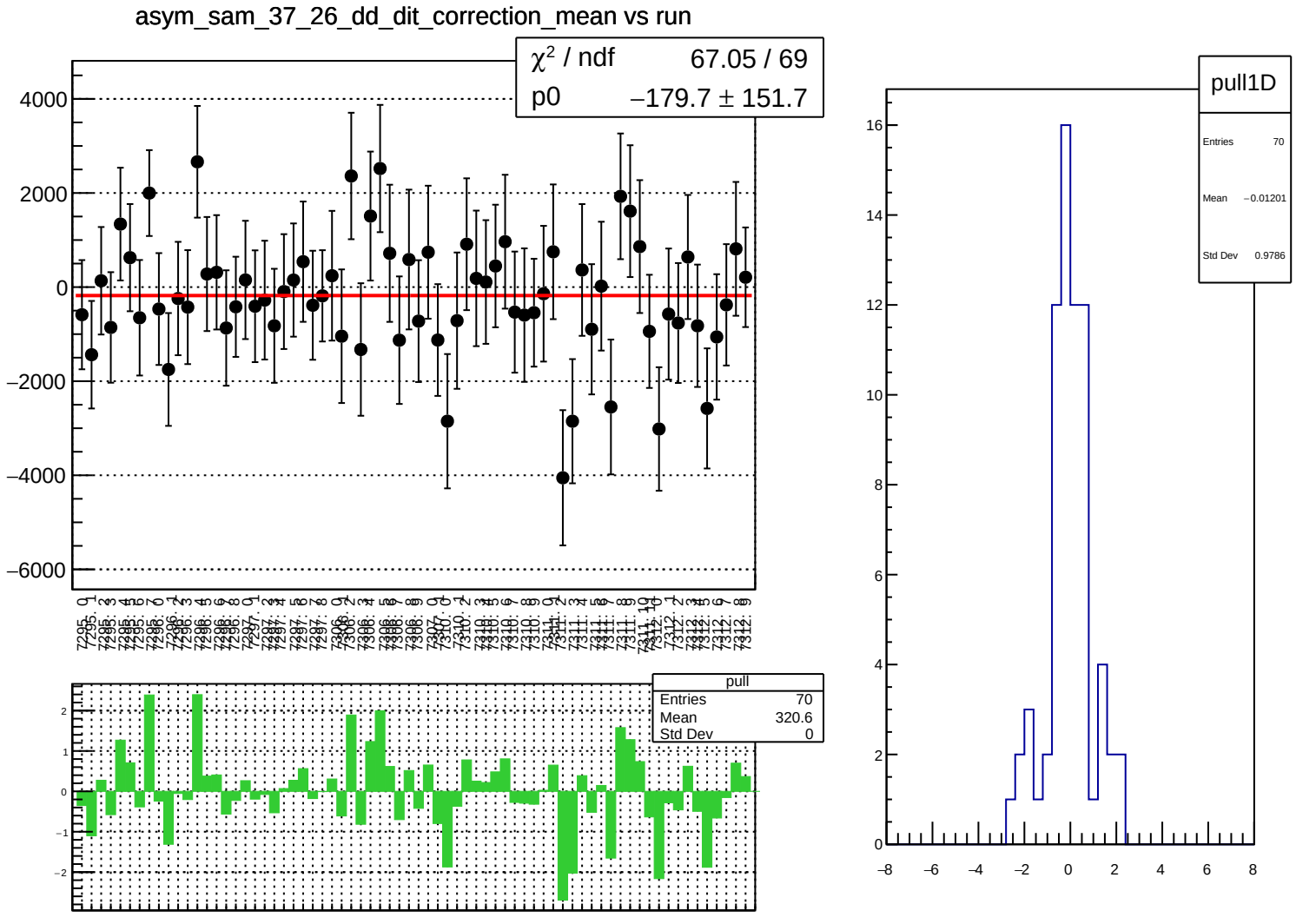

pull1D
Entries 70
Mean −0.009106
Std Dev 0.9875
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

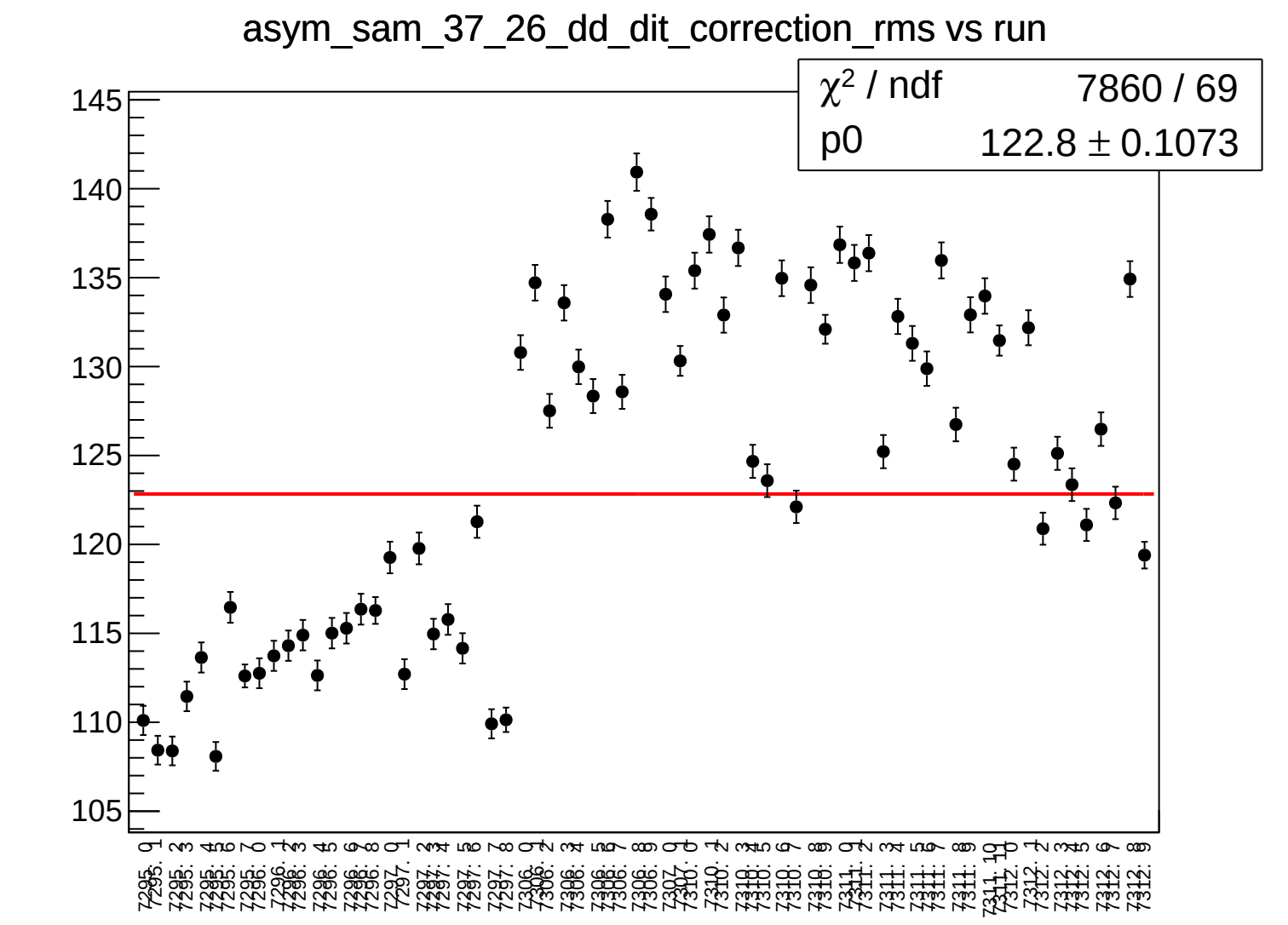

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.155e+04 / 69
p0 115.3 ± 0.1008
150
140
130
120
110
100
90

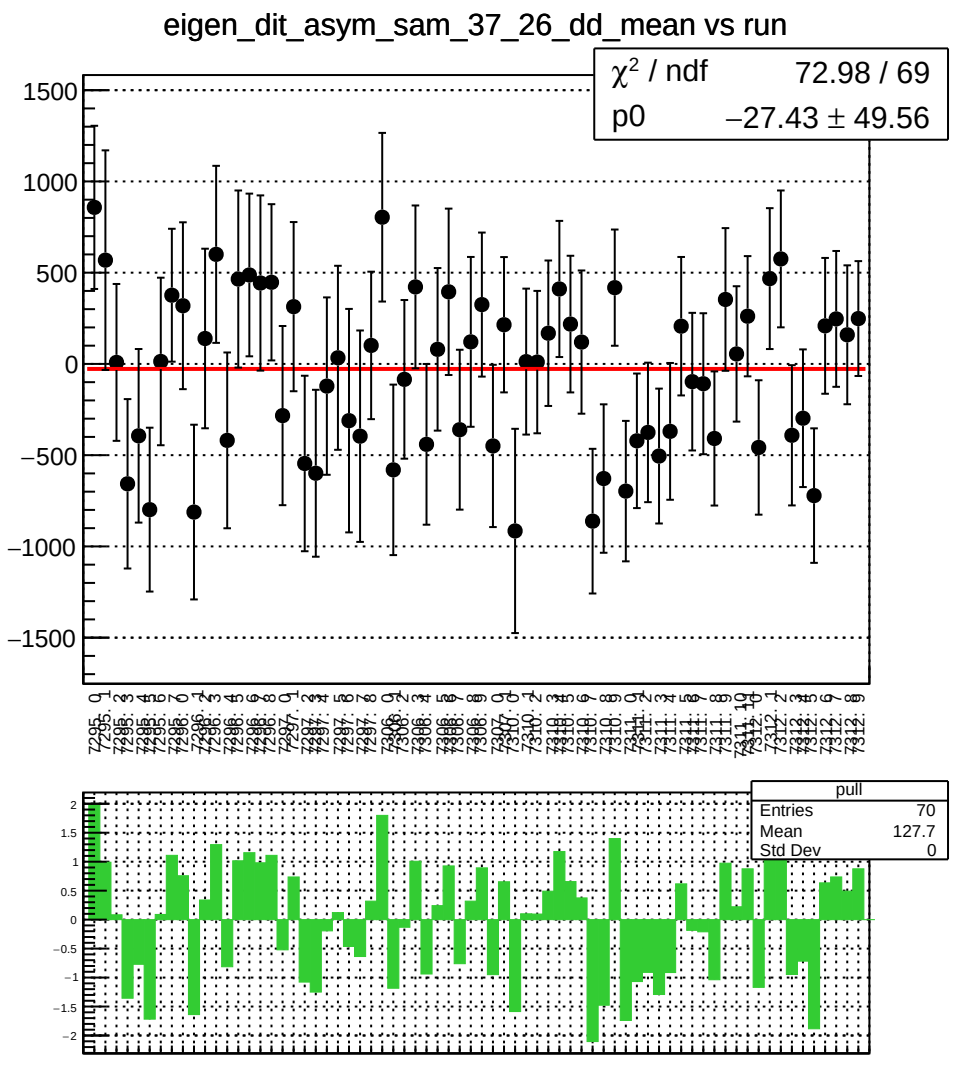

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.98 / 69
p0 −27.43 ± 49.56
pull
Entries 70
Mean 127.7
Std Dev 0

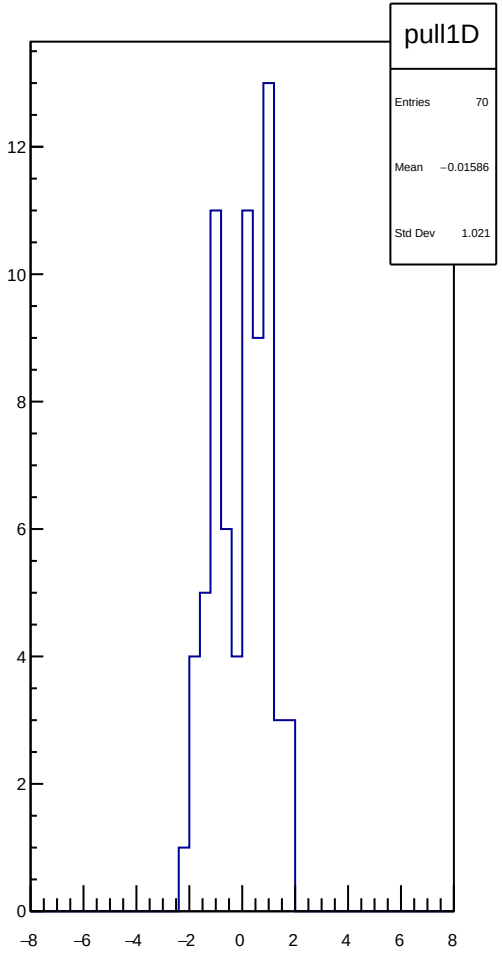

pull1D
Entries 70
Mean −0.01586
Std Dev 1.021

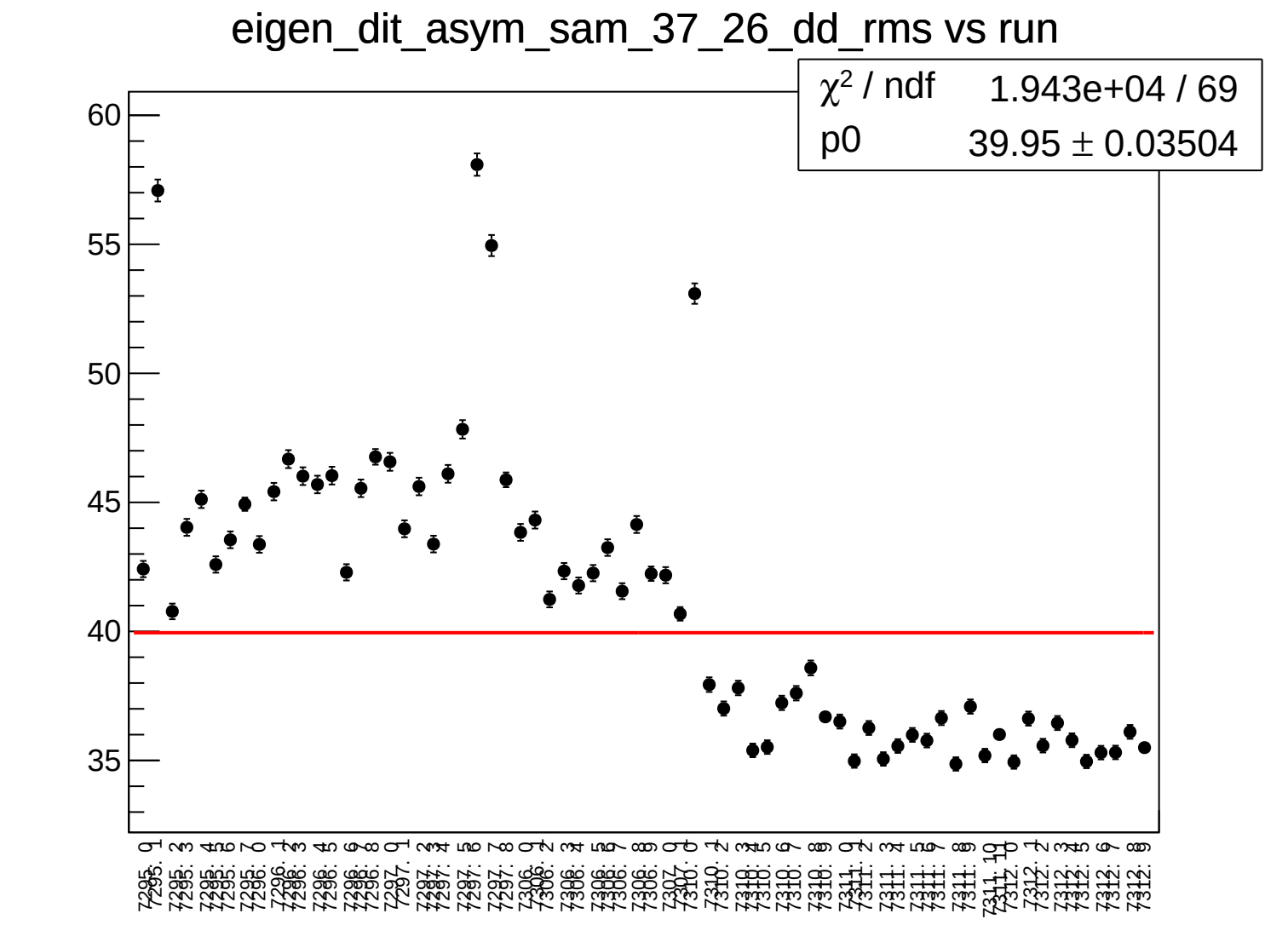

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.943e+04 / 69
p0 39.95 ± 0.03504
60
55
50
45
40
35

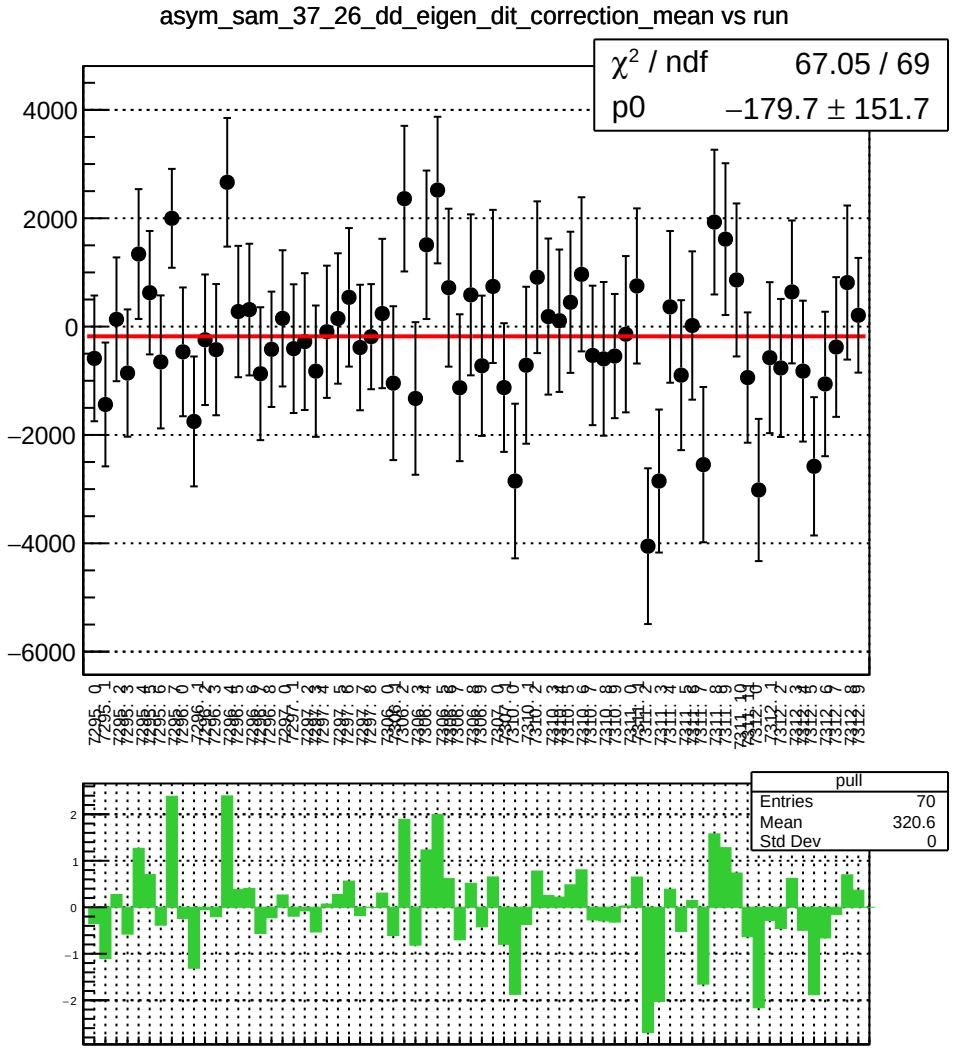

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 67.05 / 69
p0 −179.7 ± 151.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 320.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 70
Mean −0.01201
Std Dev 0.9786
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

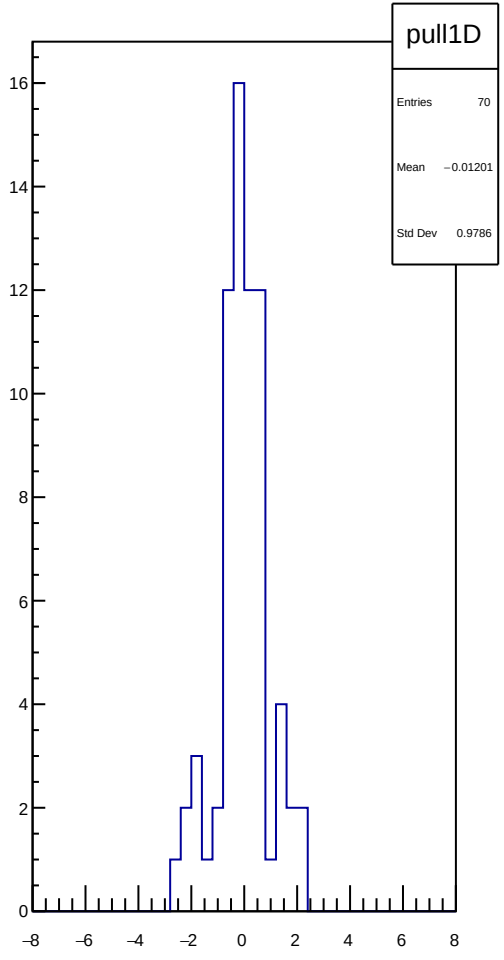

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 7860 / 69
p0 122.8 ± 0.1073
145
140
135
130
125
120
115
110
105

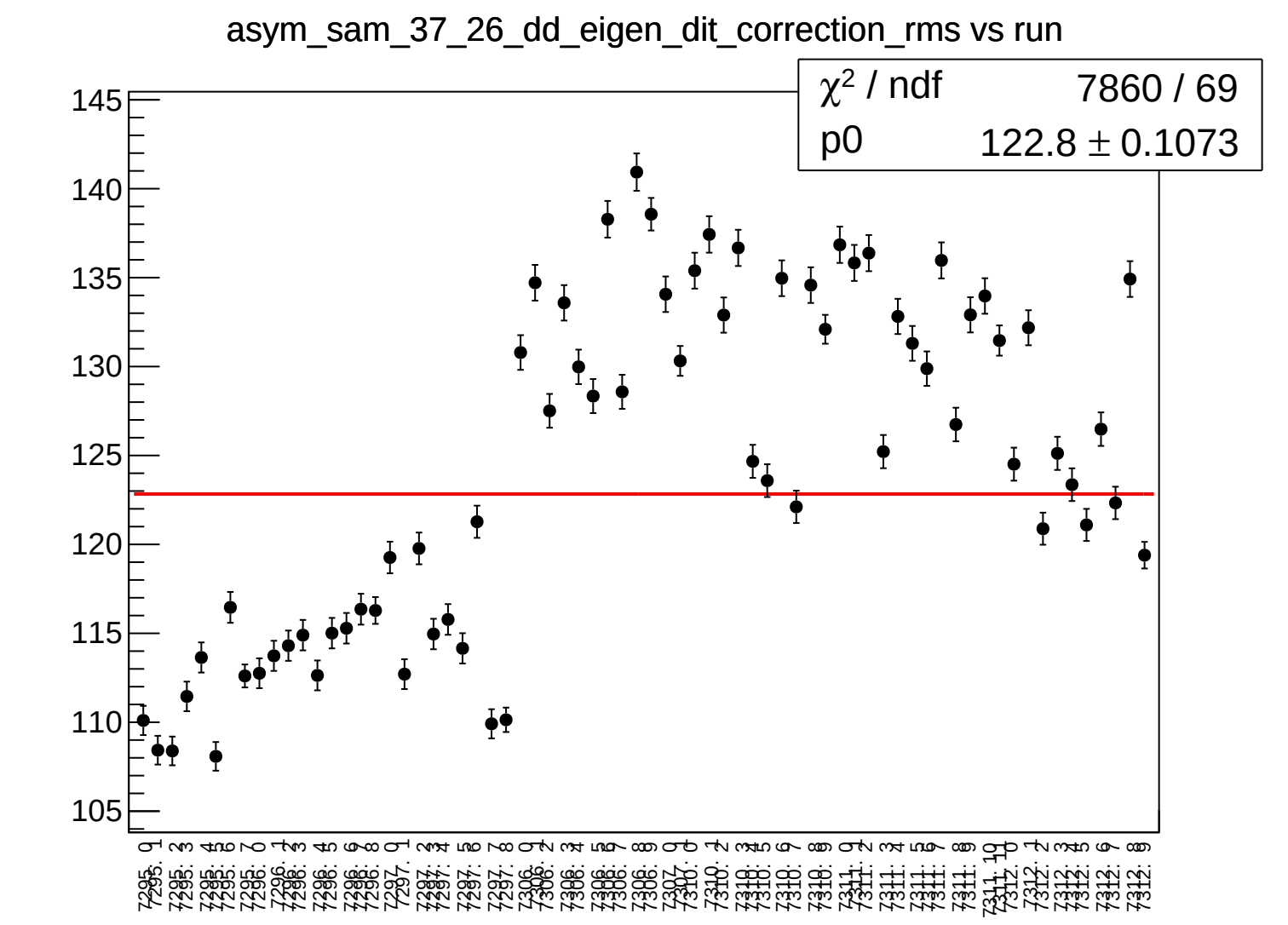

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.98 / 69
p0 −27.43 ± 49.56
pull
Entries 70
Mean 127.7
Std Dev 0

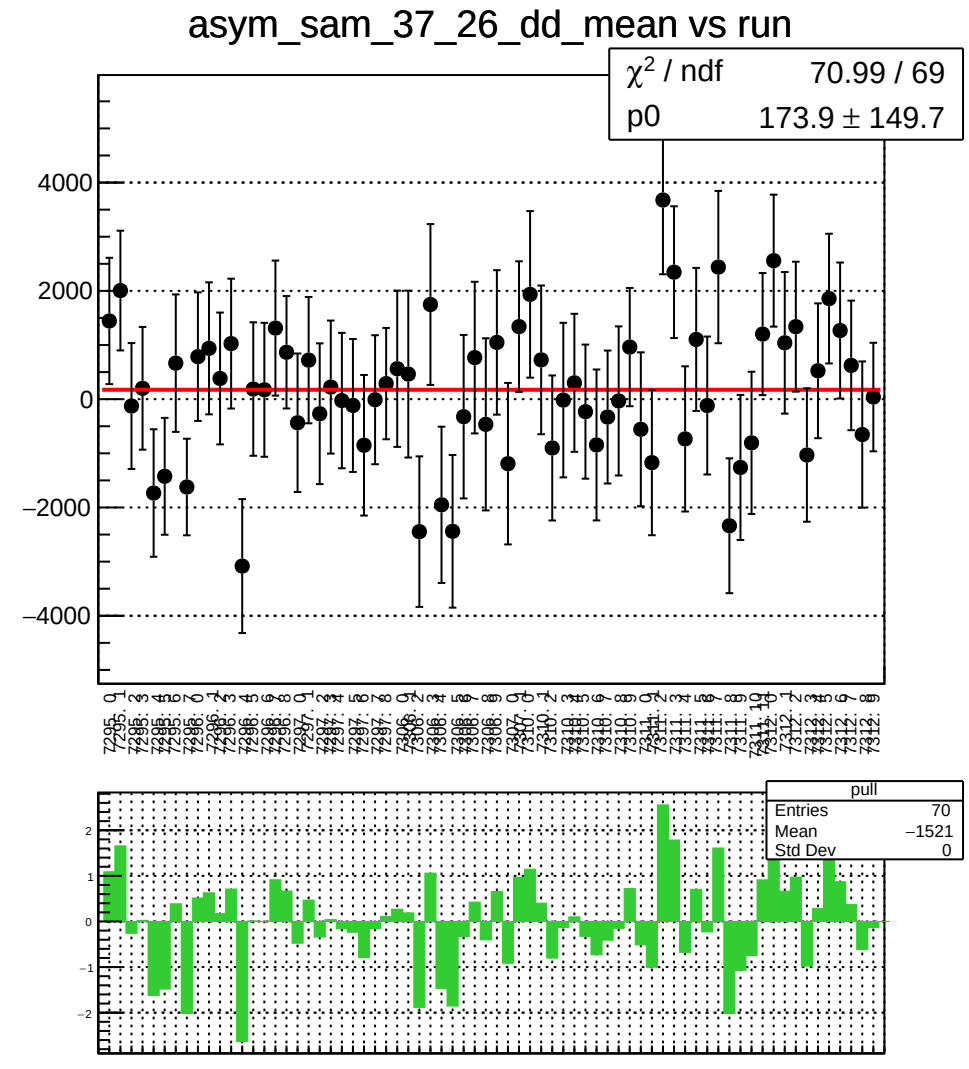

pull1D
Entries 70
Mean −0.01586
Std Dev 1.021

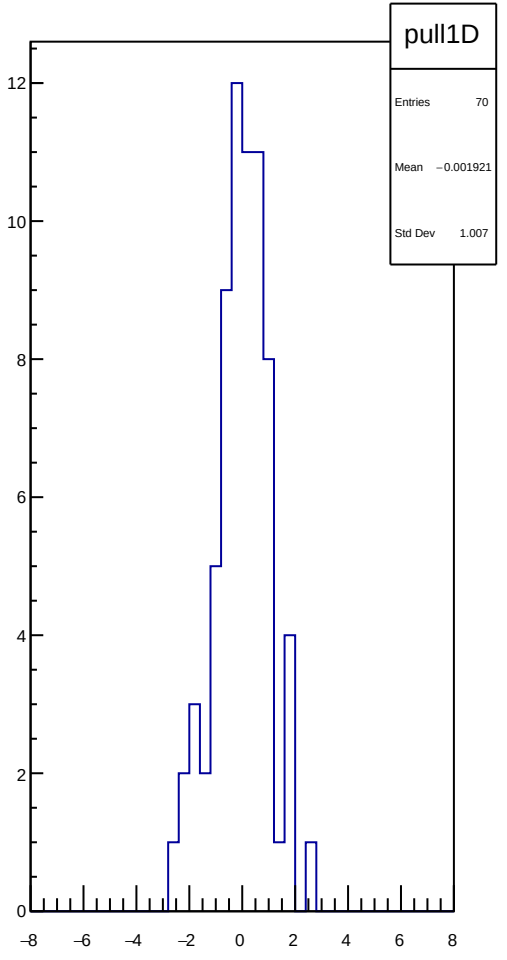

eigen_dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.943e+04 / 69
p0 39.95 ± 0.03504
60
55
50
45
40
35

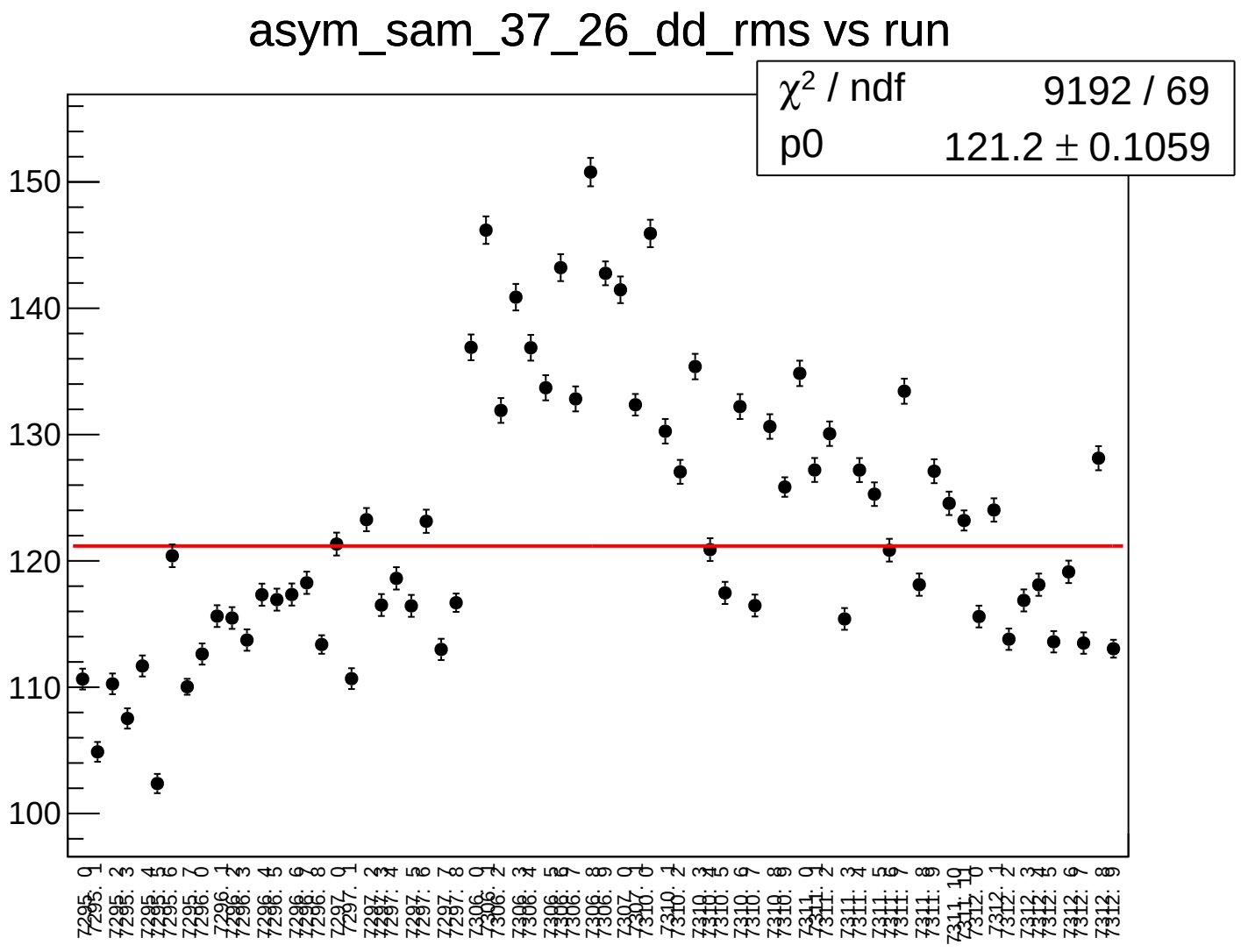

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.05 / 69
p0 −179.7 ± 151.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 70
Mean 320.6
Std Dev 0
2
1
0
−1
−2

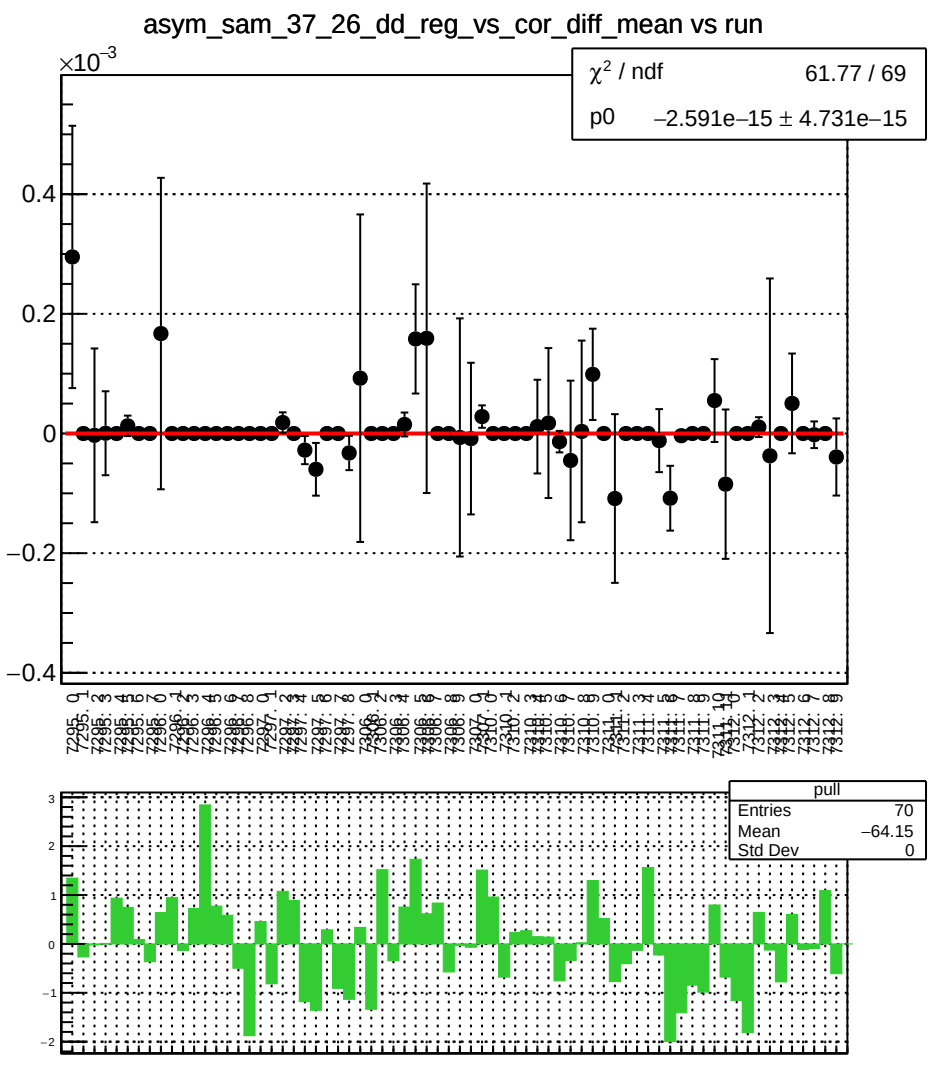

pull1D
Entries 70
Mean −0.01201
Std Dev 0.9786
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

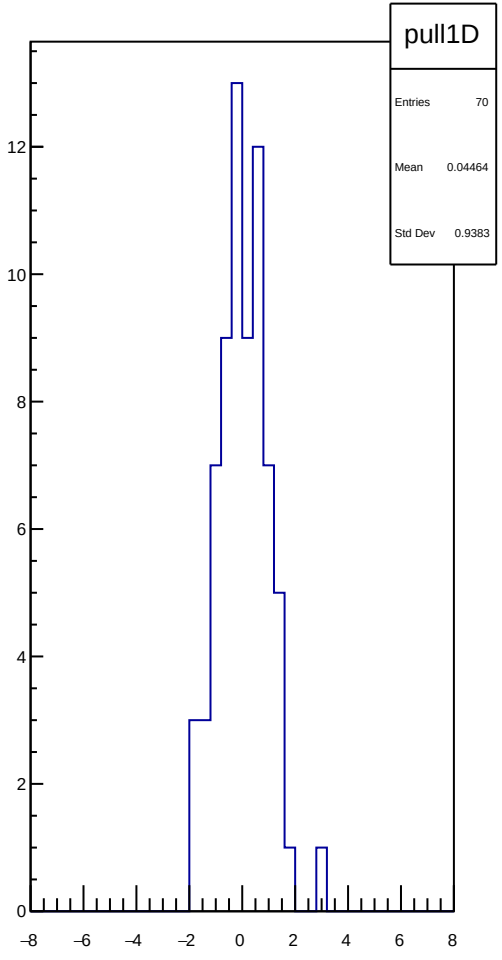

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 7860 / 69
p0 122.8 ± 0.1073
145
140
135
130
125
120
115
110
105

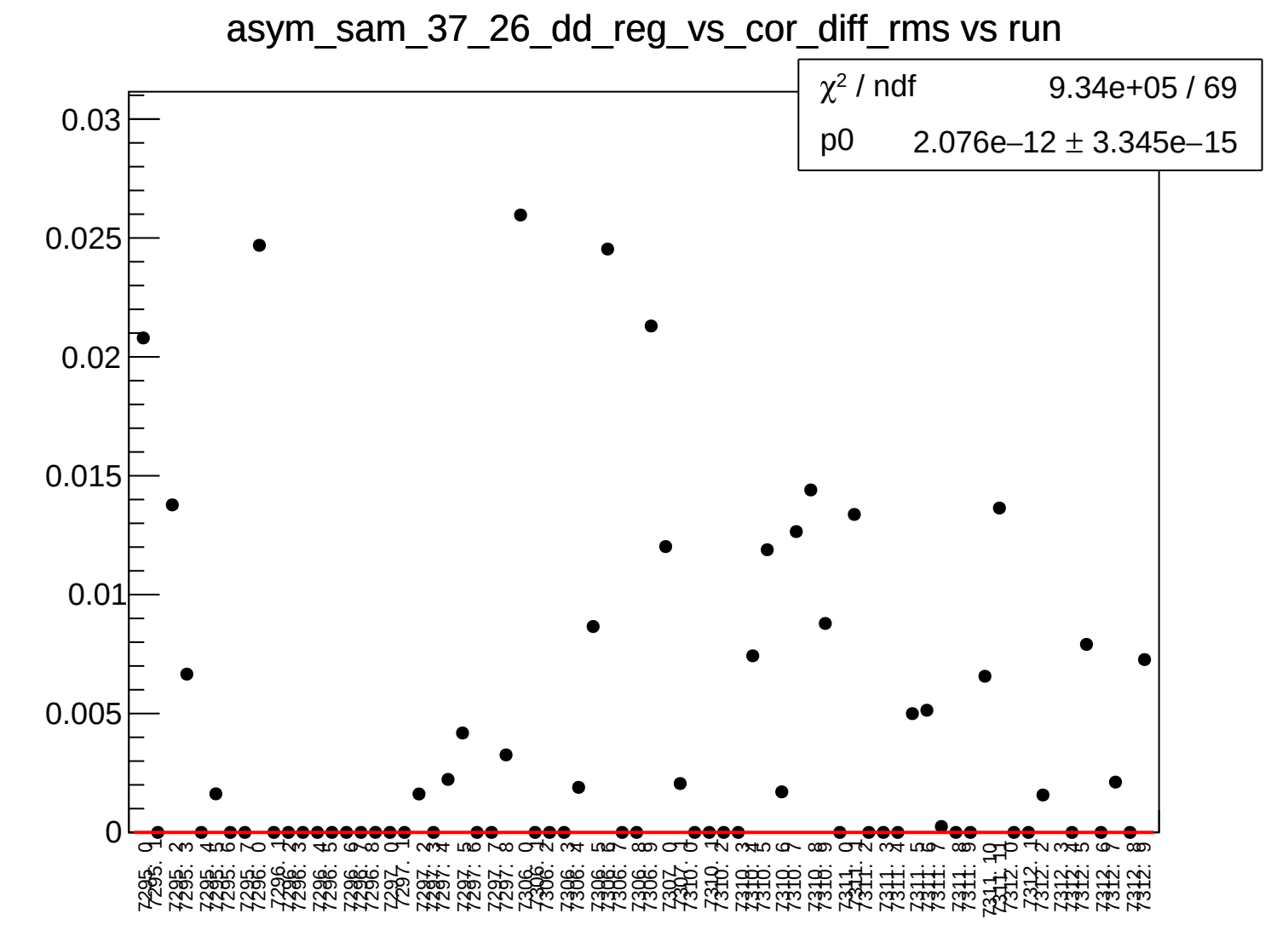

asym_sam_37_26_dd_mean vs run
χ² / ndf 70.99 / 69
p0 173.9 ± 149.7
4000
2000
0
−2000
−4000
pull
Entries 70
Mean −1521
Std Dev 0
2
1
0
−1
−2

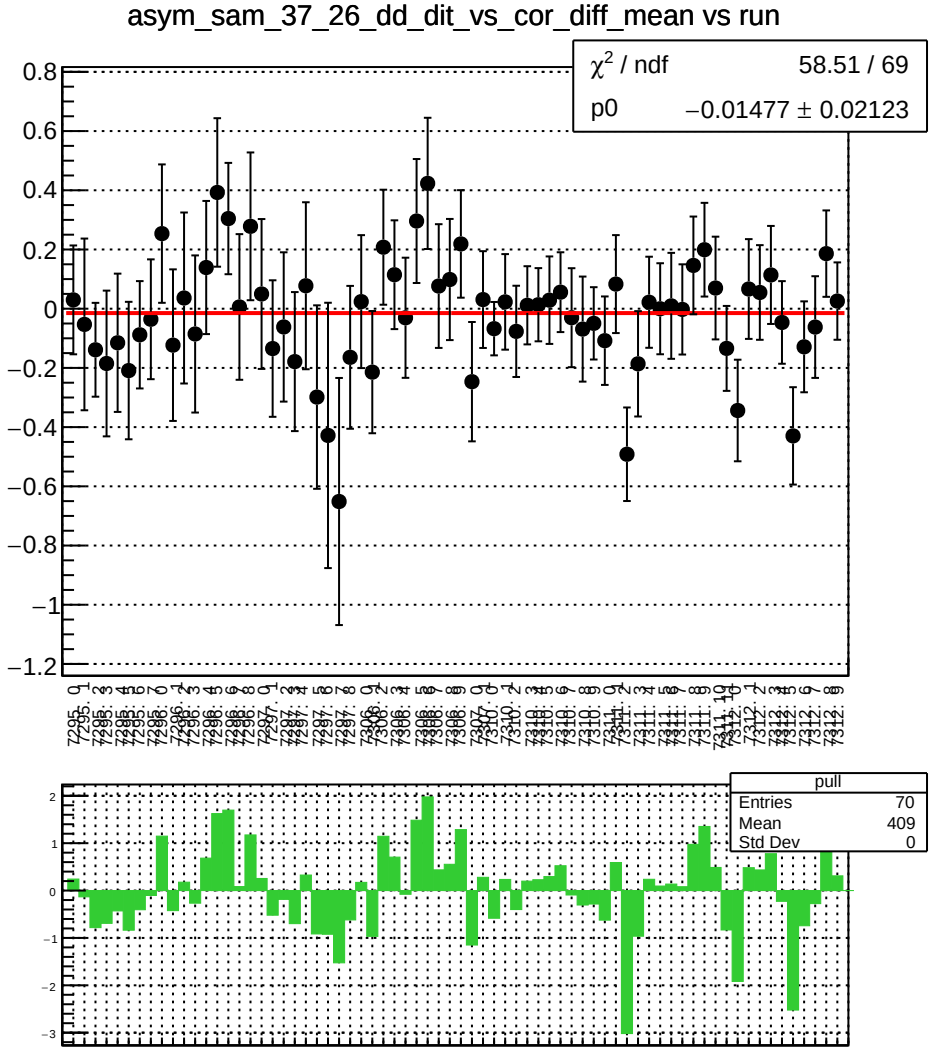

pull1D
Entries 70
Mean −0.001921
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

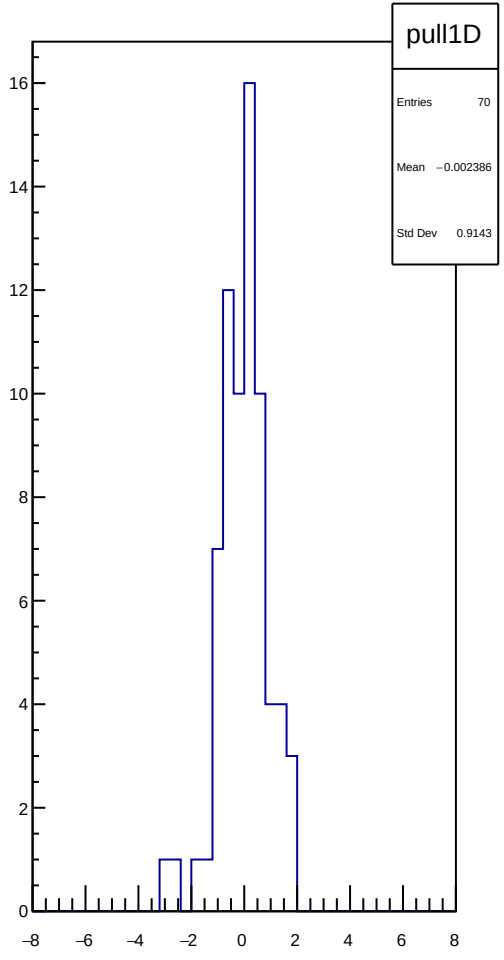

asym_sam_37_26_dd_rms vs run
χ² / ndf 9192 / 69
p0 121.2 ± 0.1059
150
140
130
120
110
100

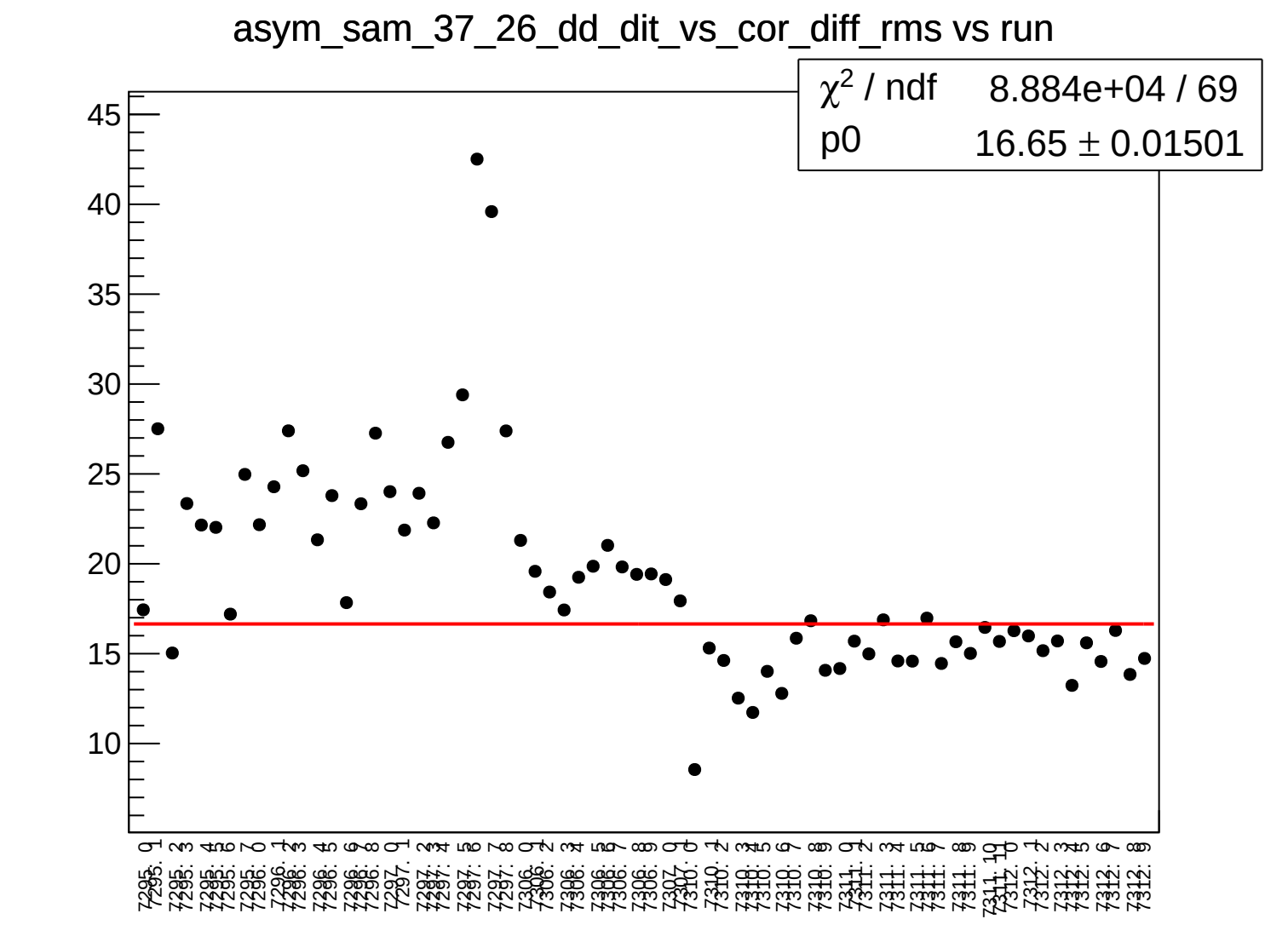

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 61.77 / 69
p0 −2.591e−15 ± 4.731e−15
pull
Entries 70
Mean −64.15
Std Dev 0

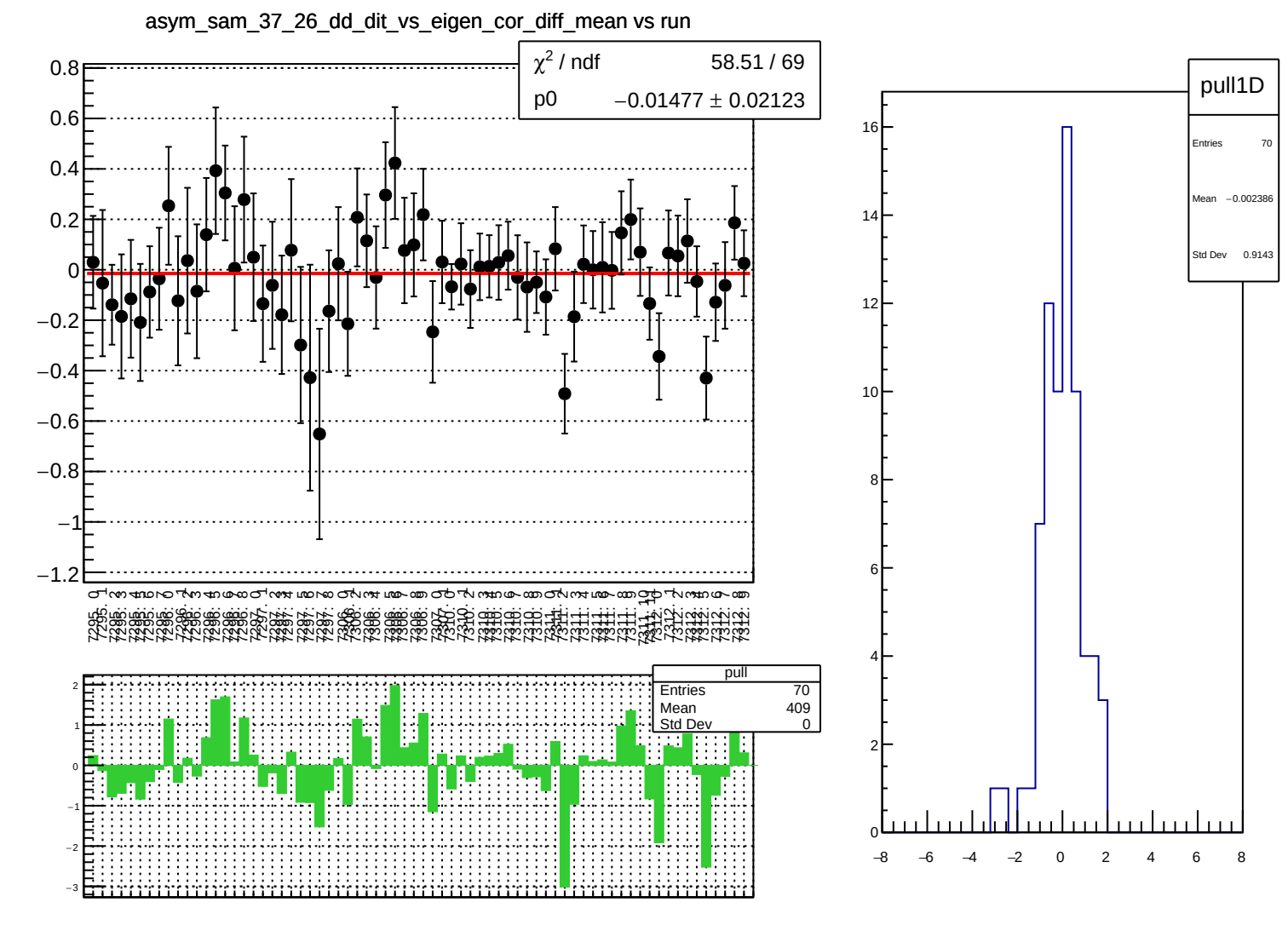

pull1D
Entries 70
Mean 0.04464
Std Dev 0.9383

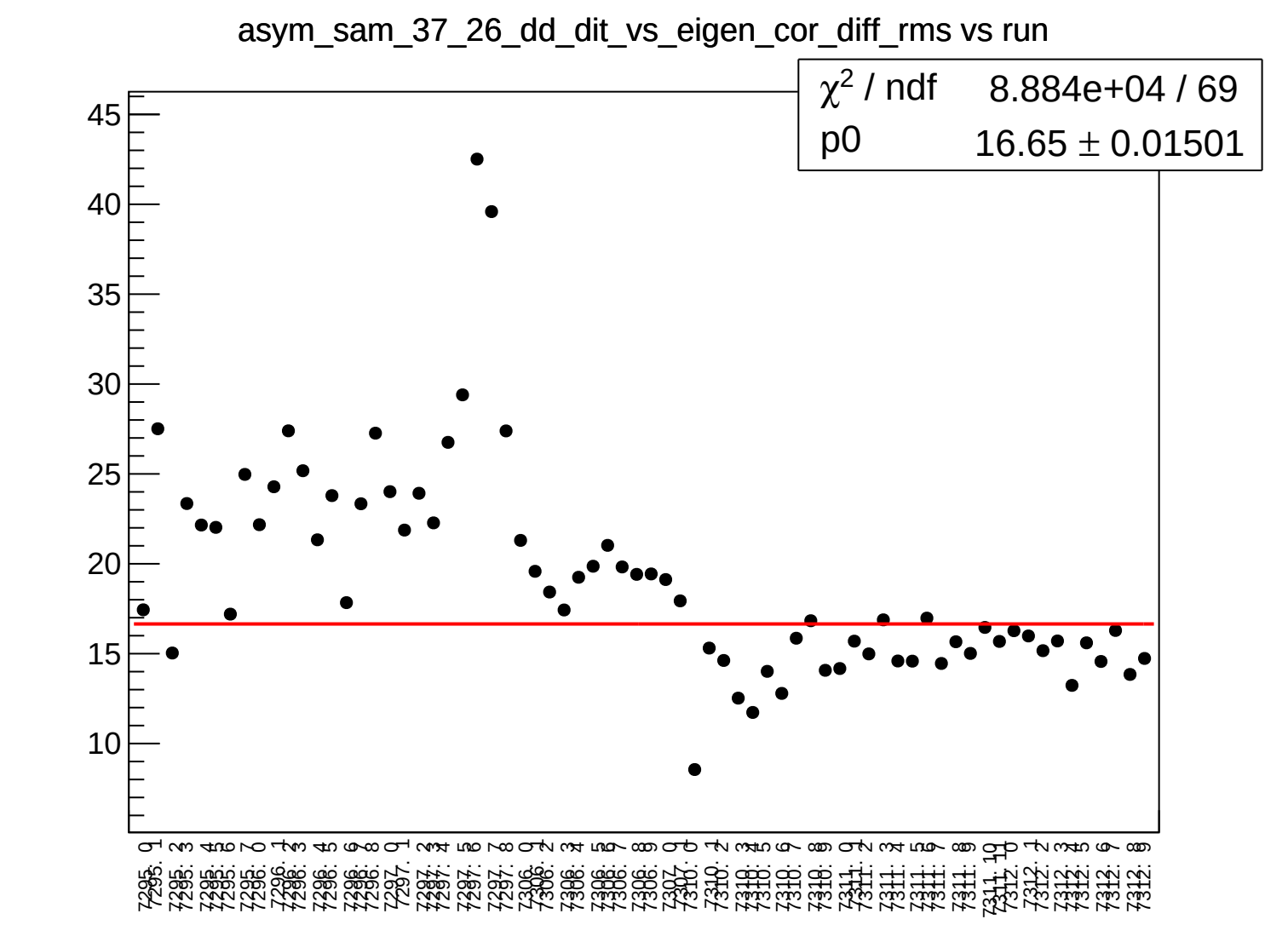

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.34e+05 / 69
p0 2.076e−12 ± 3.345e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

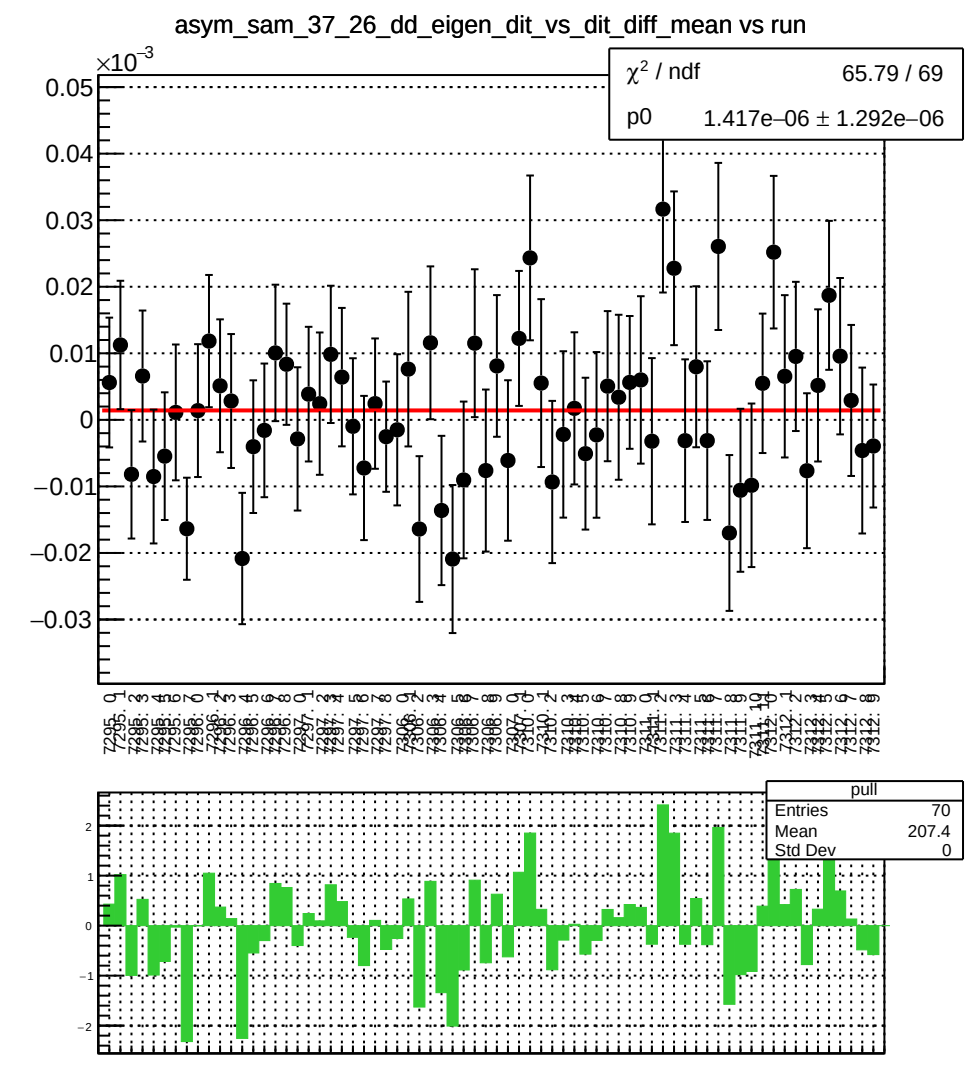

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.51 / 69
p0 −0.01477 ± 0.02123
pull
Entries 70
Mean 409
Std Dev 0

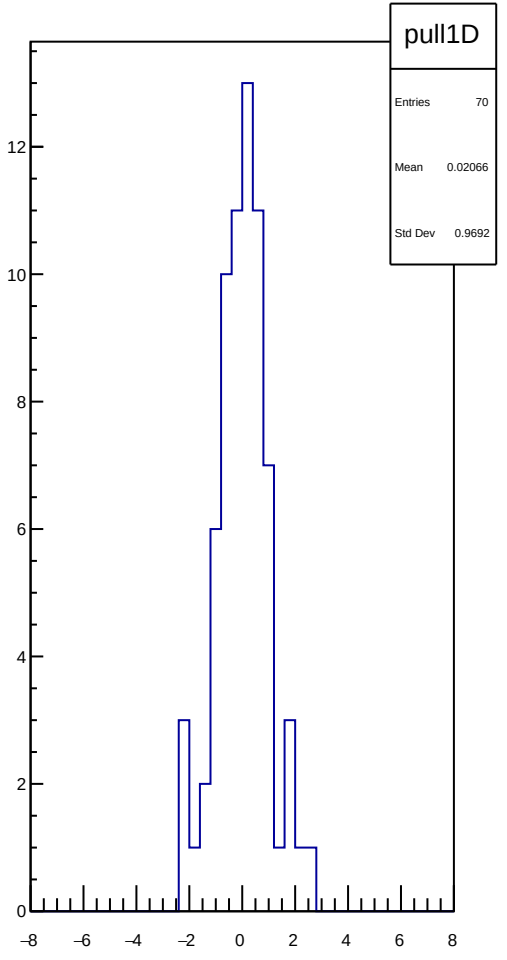

pull1D
Entries 70
Mean −0.002386
Std Dev 0.9143

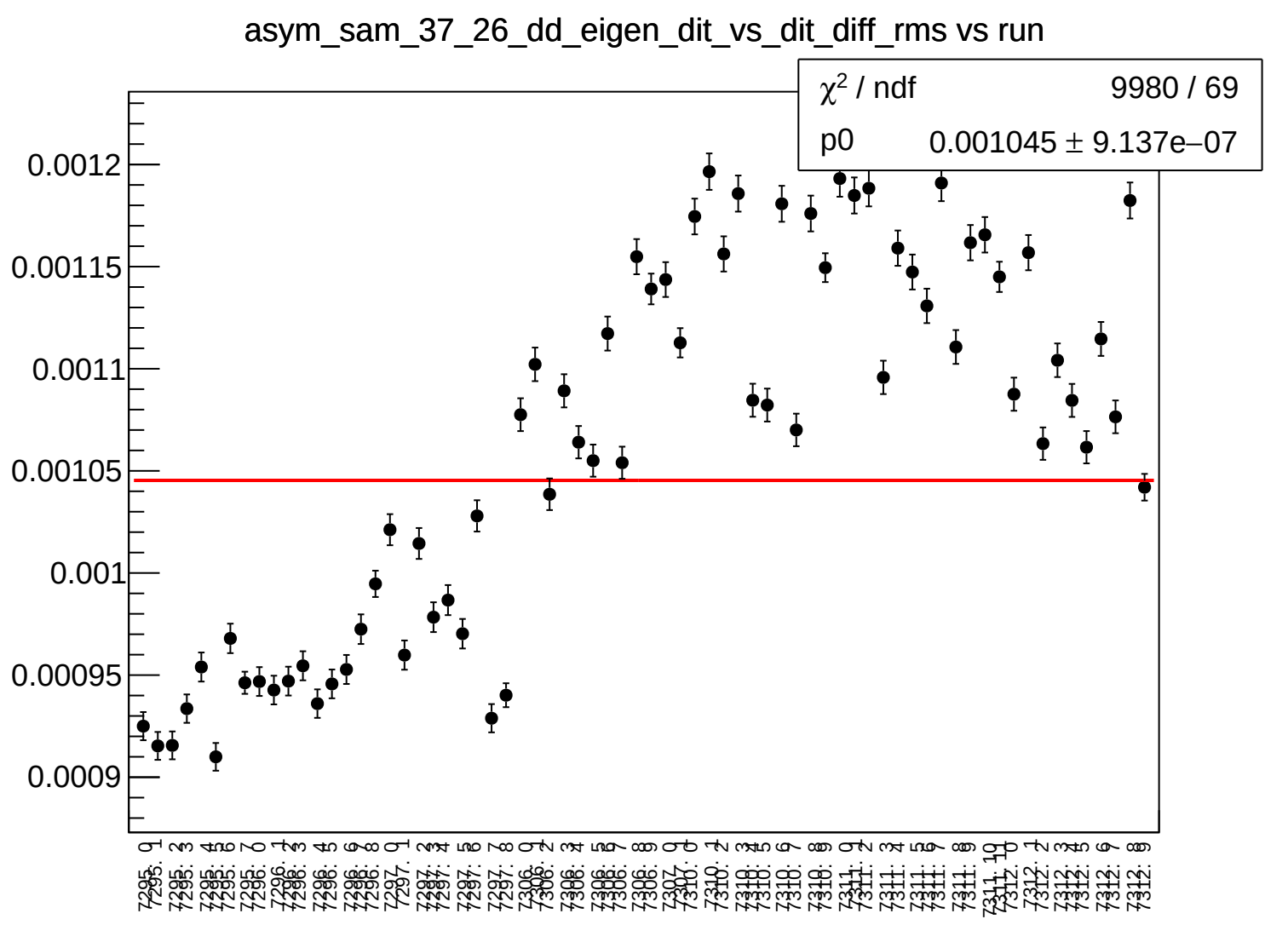

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.884e+04 / 69
p0 16.65 ± 0.01501
45
40
35
30
25
20
15
10

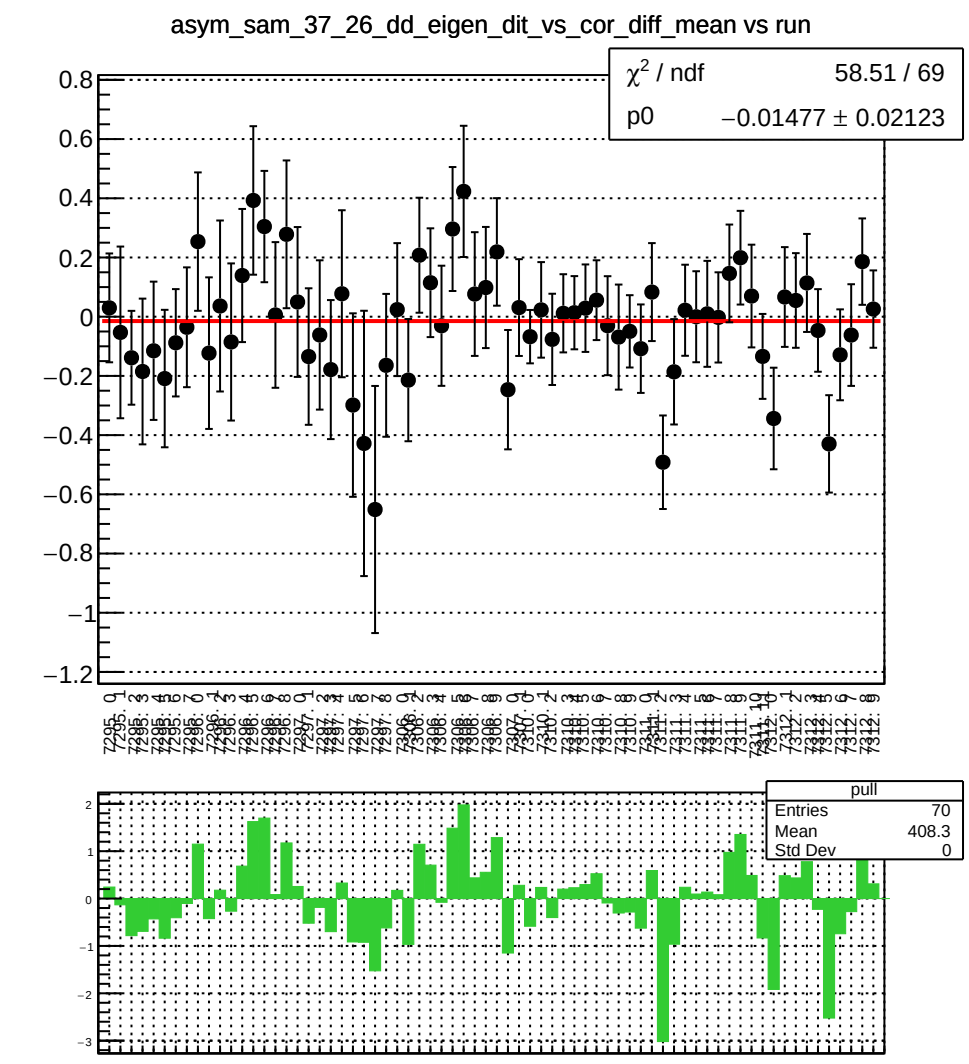

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.51 / 69
p0 −0.01477 ± 0.02123
pull
Entries 70
Mean 409
Std Dev 0
pull1D
Entries 70
Mean −0.002386
Std Dev 0.9143

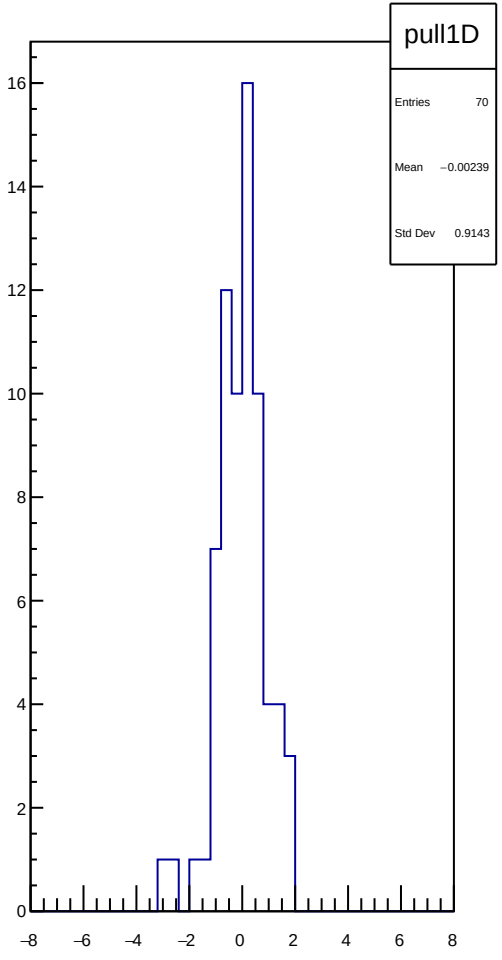

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.884e+04 / 69
p0 16.65 ± 0.01501
45
40
35
30
25
20
15
10

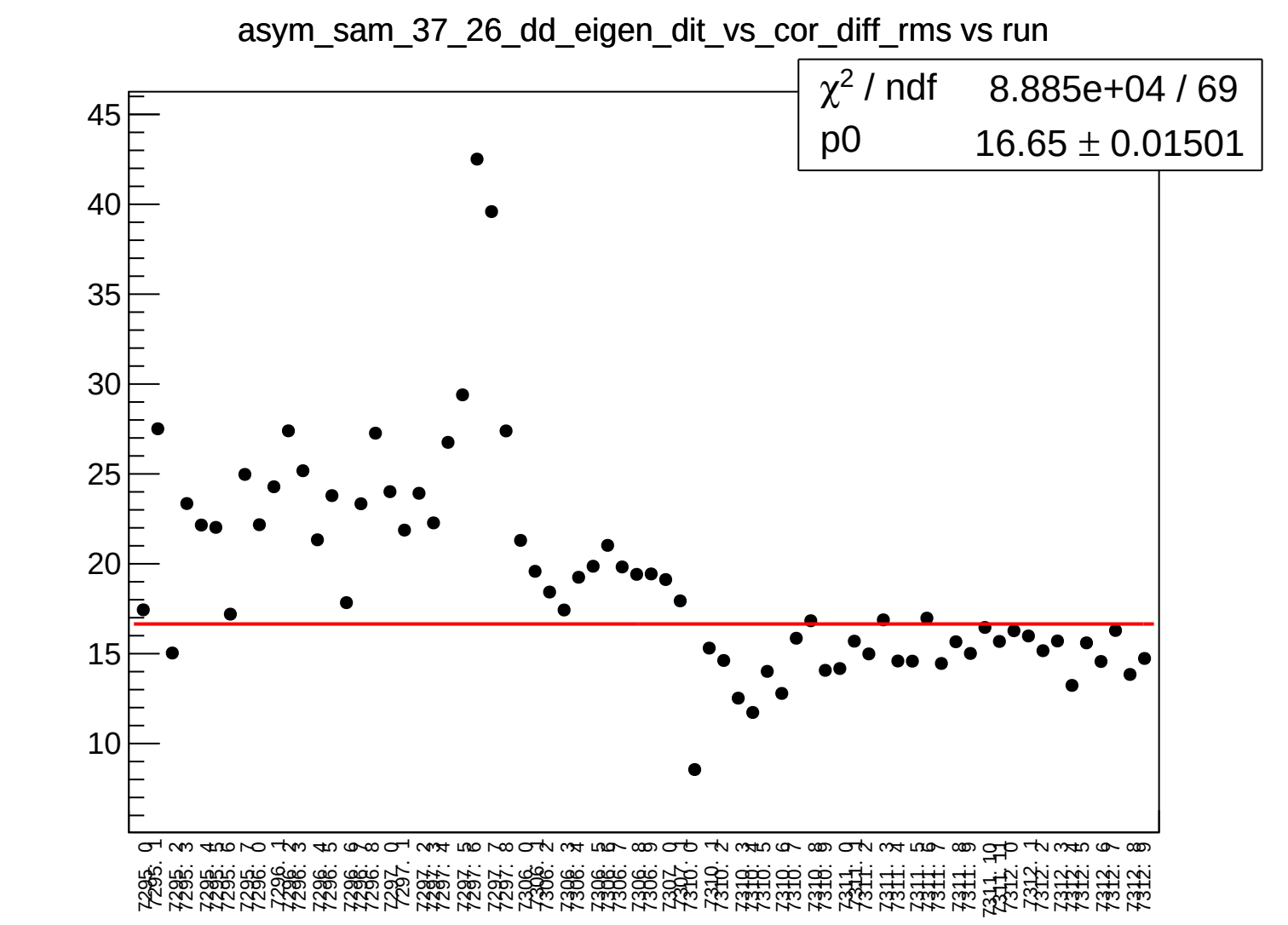

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.79 / 69
p0 1.417e−06 ± 1.292e−06
pull
Entries 70
Mean 207.4
Std Dev 0

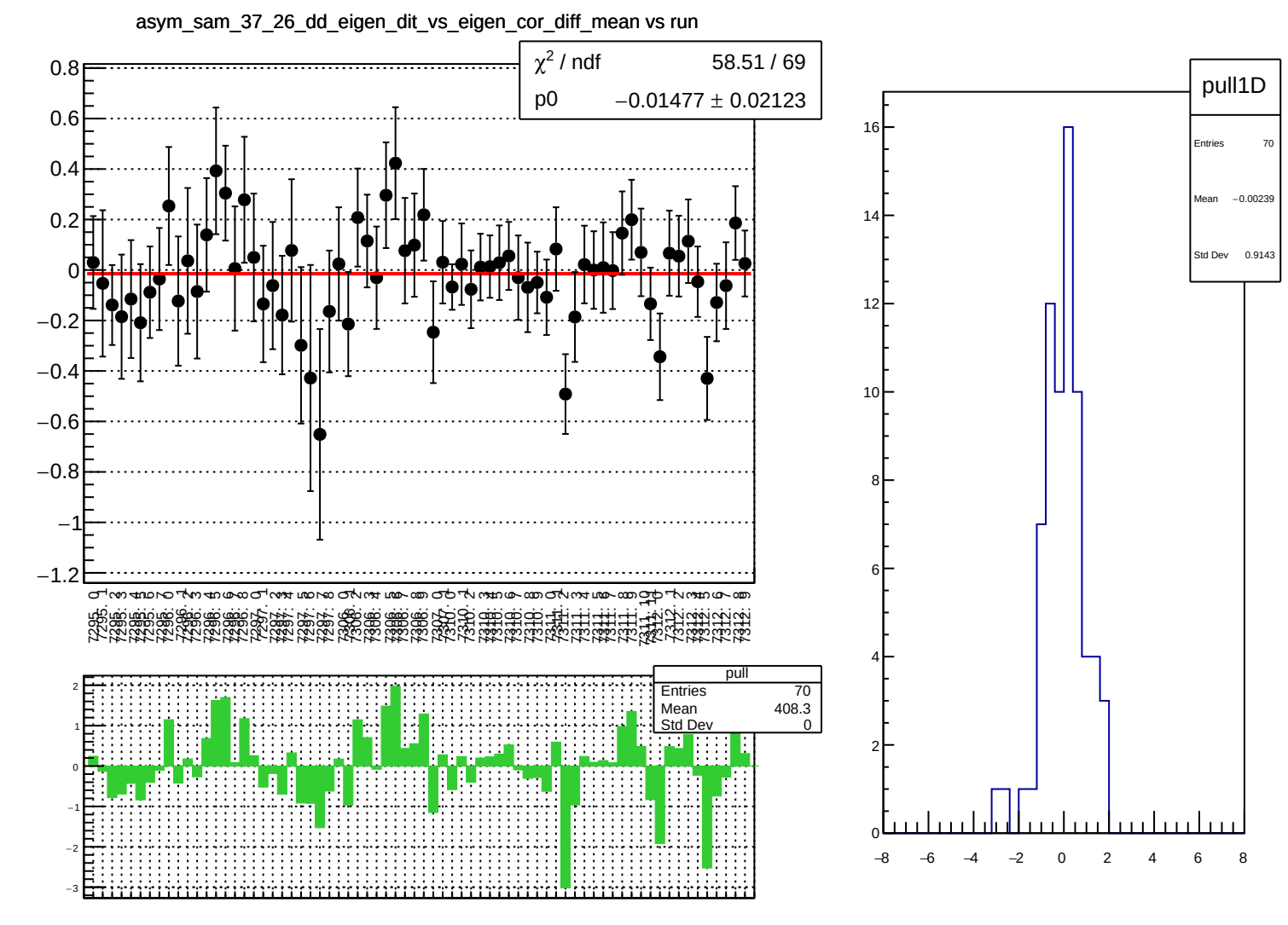

pull1D
Entries 70
Mean 0.02066
Std Dev 0.9692

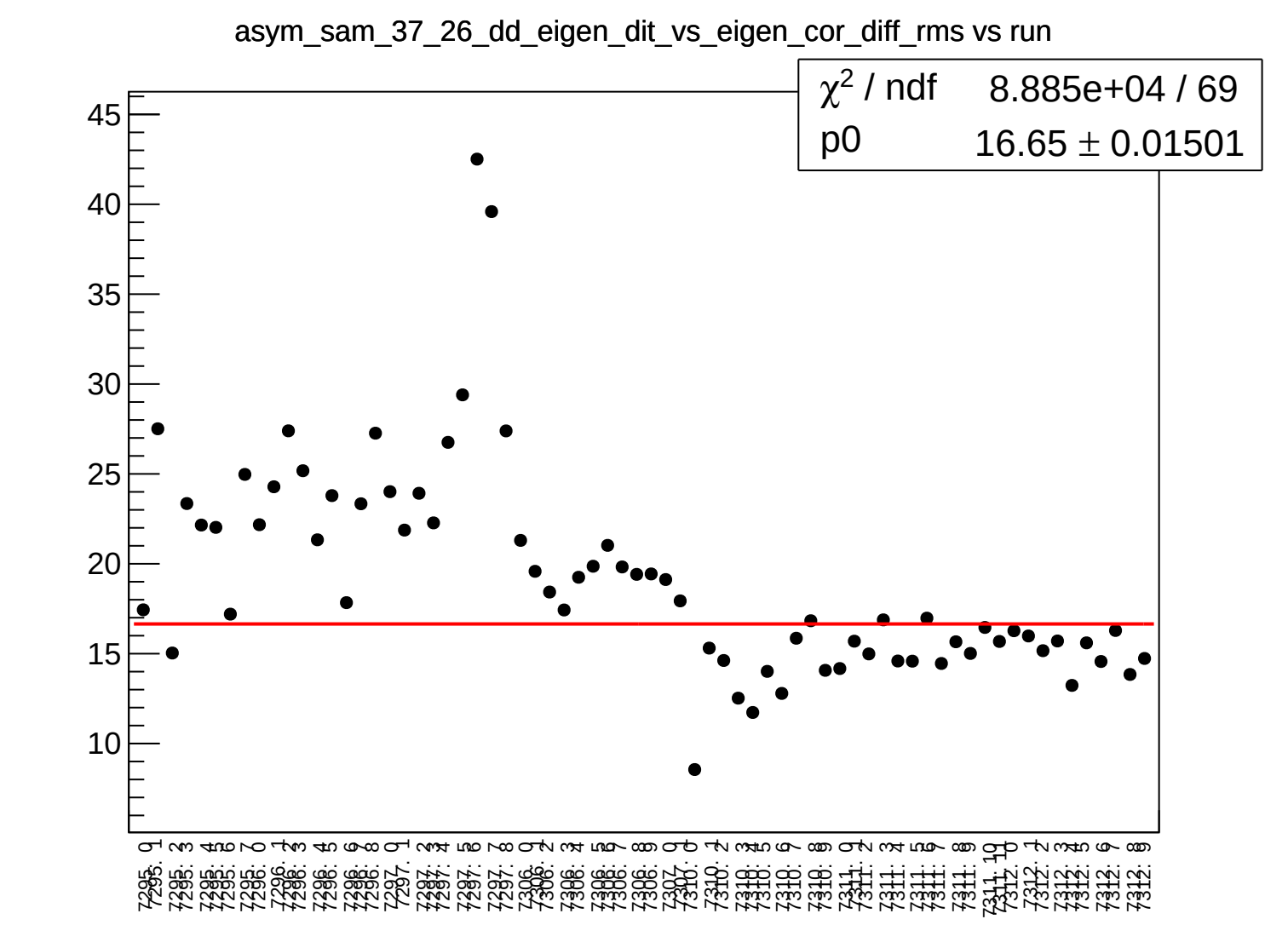

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9980 / 69
p0 0.001045 ± 9.137e−07
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009

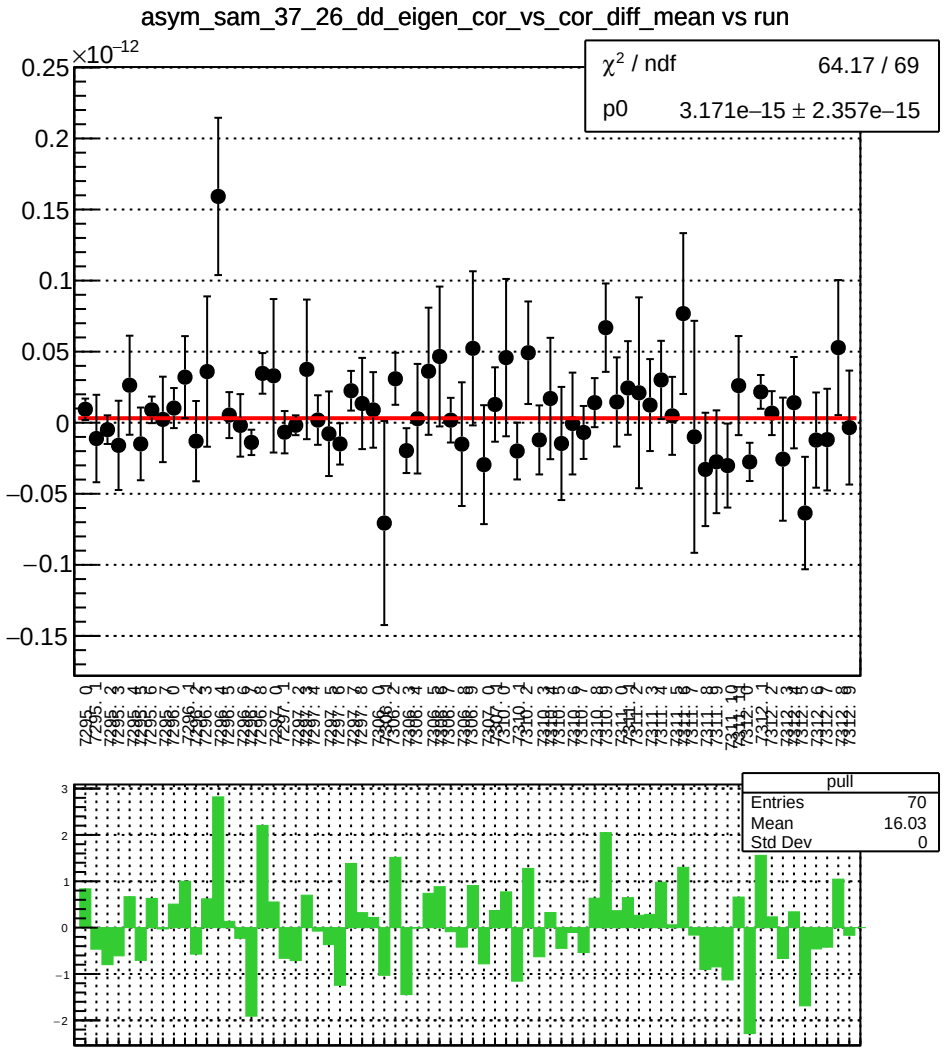

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.51 / 69
p0 −0.01477 ± 0.02123
pull
Entries 70
Mean 408.3
Std Dev 0

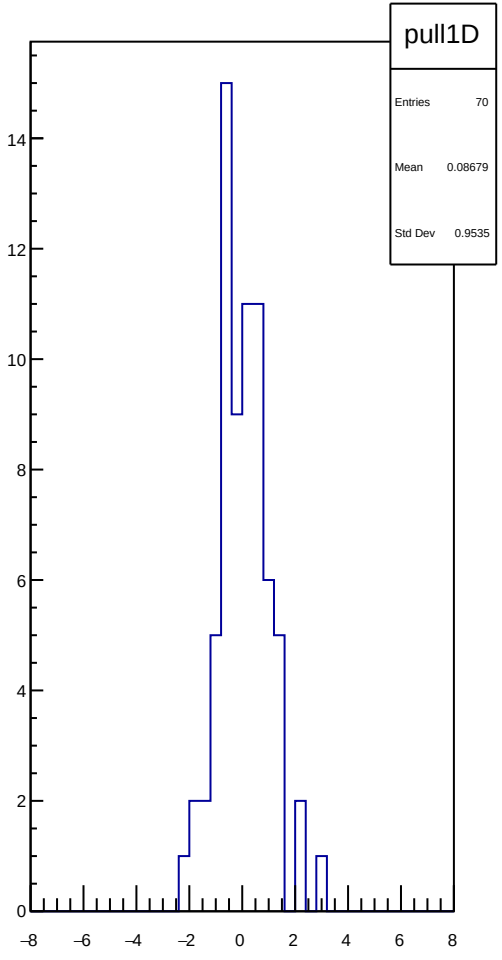

pull1D
Entries 70
Mean −0.00239
Std Dev 0.9143

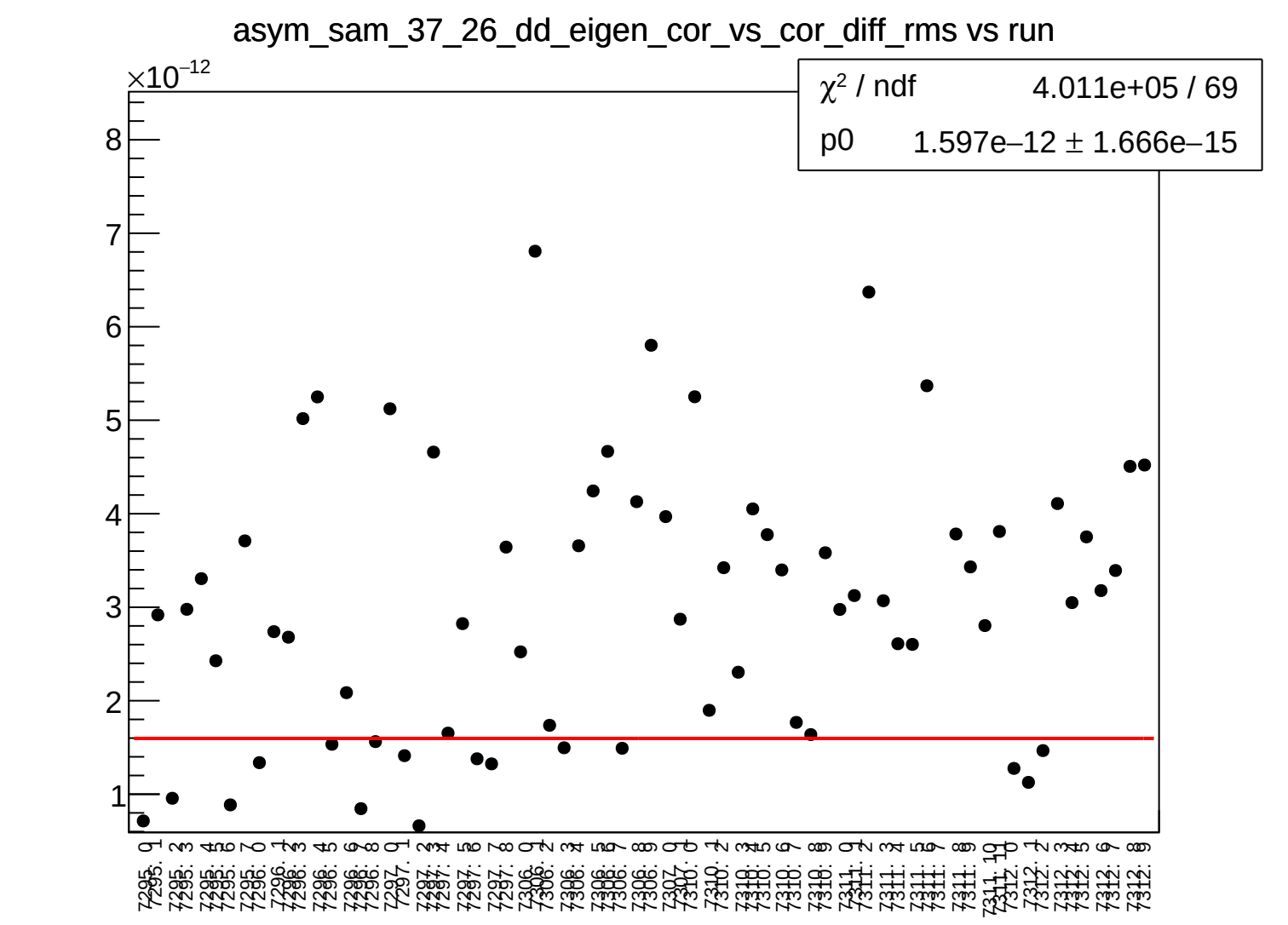

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.885e+04 / 69
p0 16.65 ± 0.01501
45
40
35
30
25
20
15
10

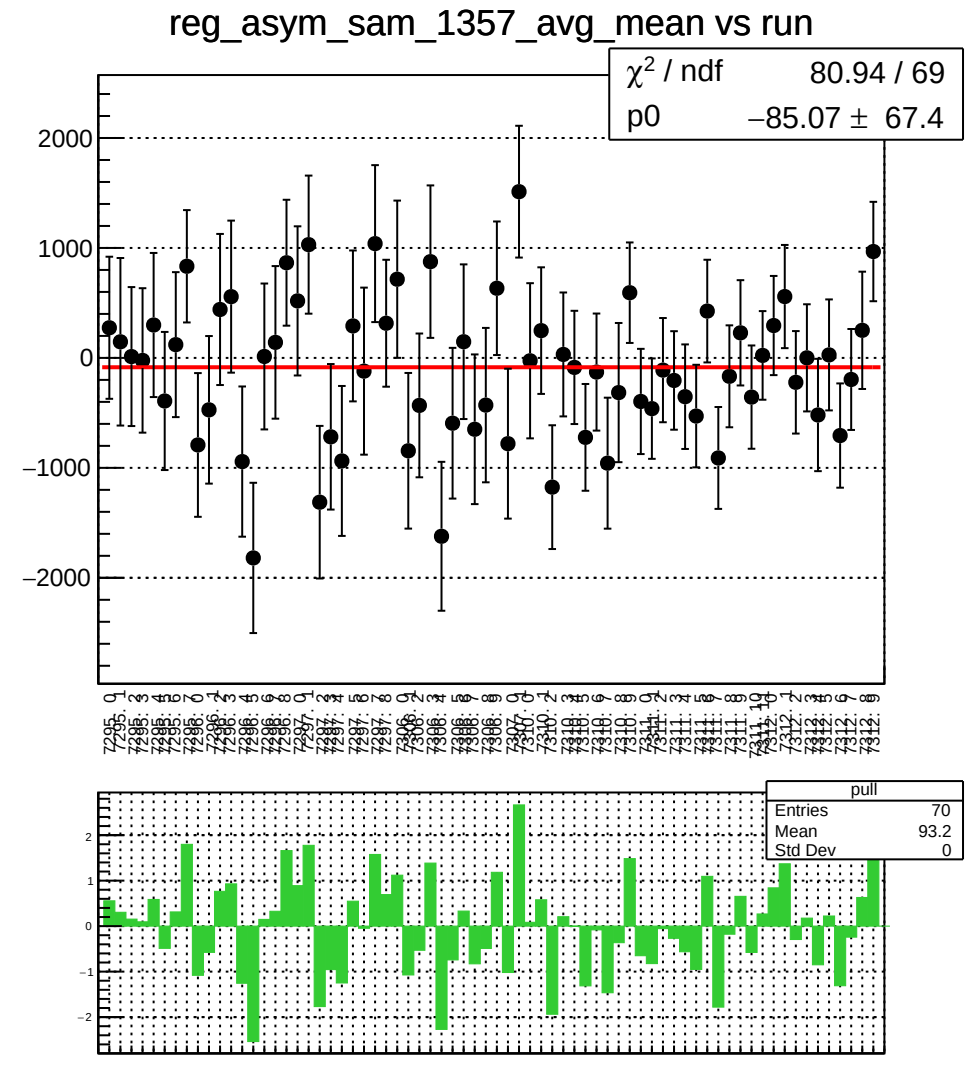

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.51 / 69
p0 −0.01477 ± 0.02123
pull
Entries 70
Mean 408.3
Std Dev 0
pull1D
Entries 70
Mean −0.00239
Std Dev 0.9143

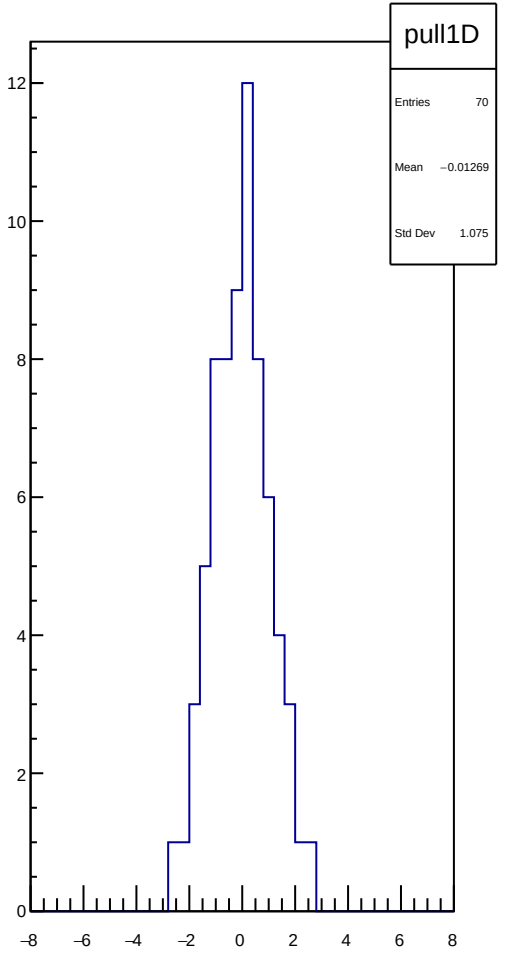

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.885e+04 / 69
p0 16.65 ± 0.01501
45
40
35
30
25
20
15
10

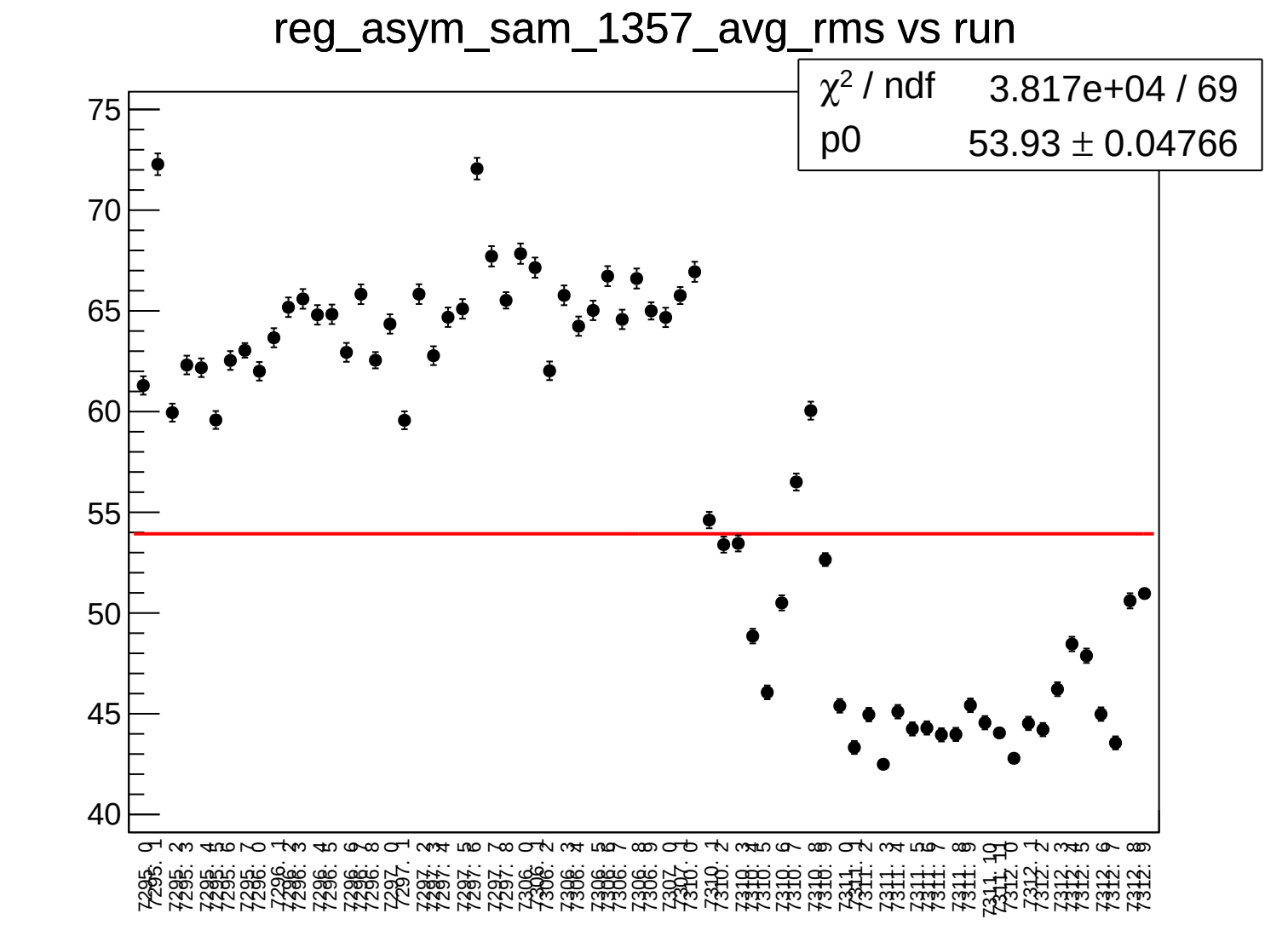

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.17 / 69
p0 3.171e−15 ± 2.357e−15
pull
Entries 70
Mean 16.03
Std Dev 0

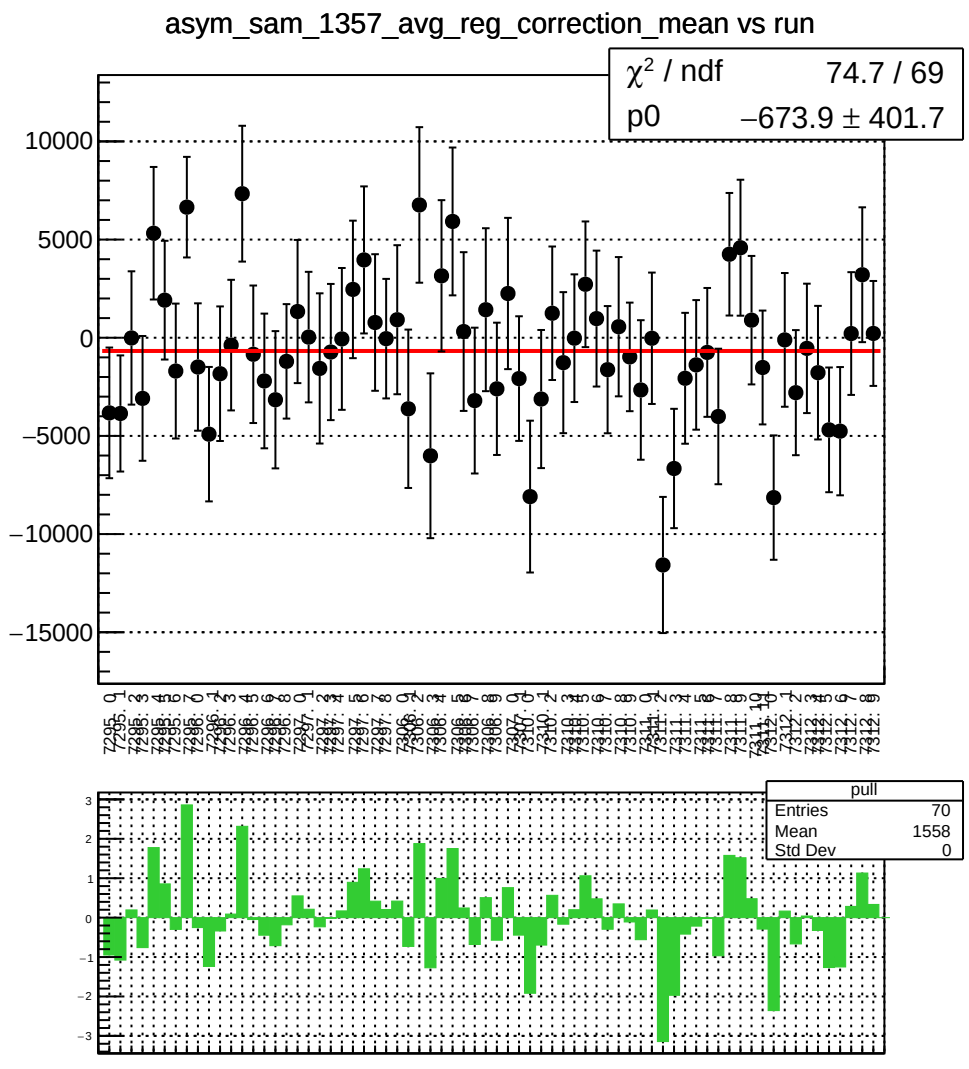

pull1D
Entries 70
Mean 0.08679
Std Dev 0.9535

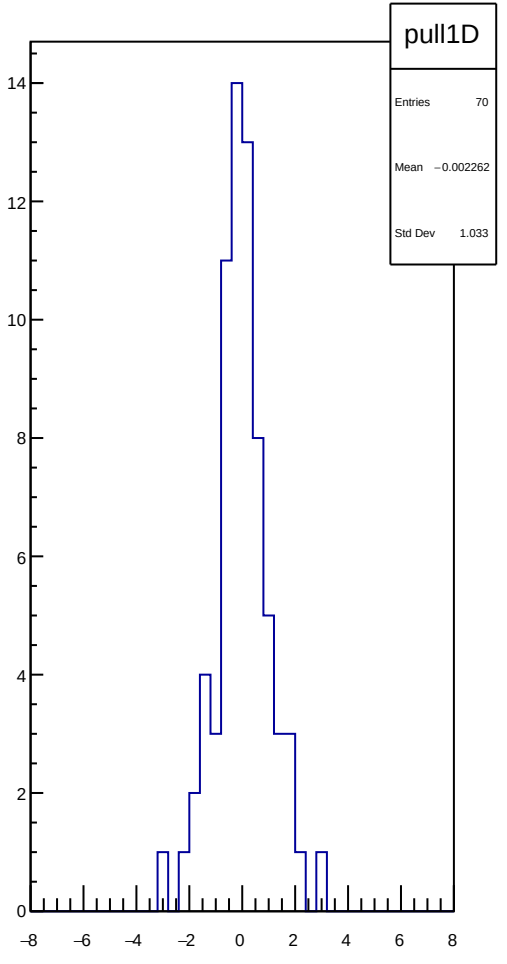

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.011e+05 / 69
p0 1.597e−12 ± 1.666e−15
8
7
6
5
4
3
2
1

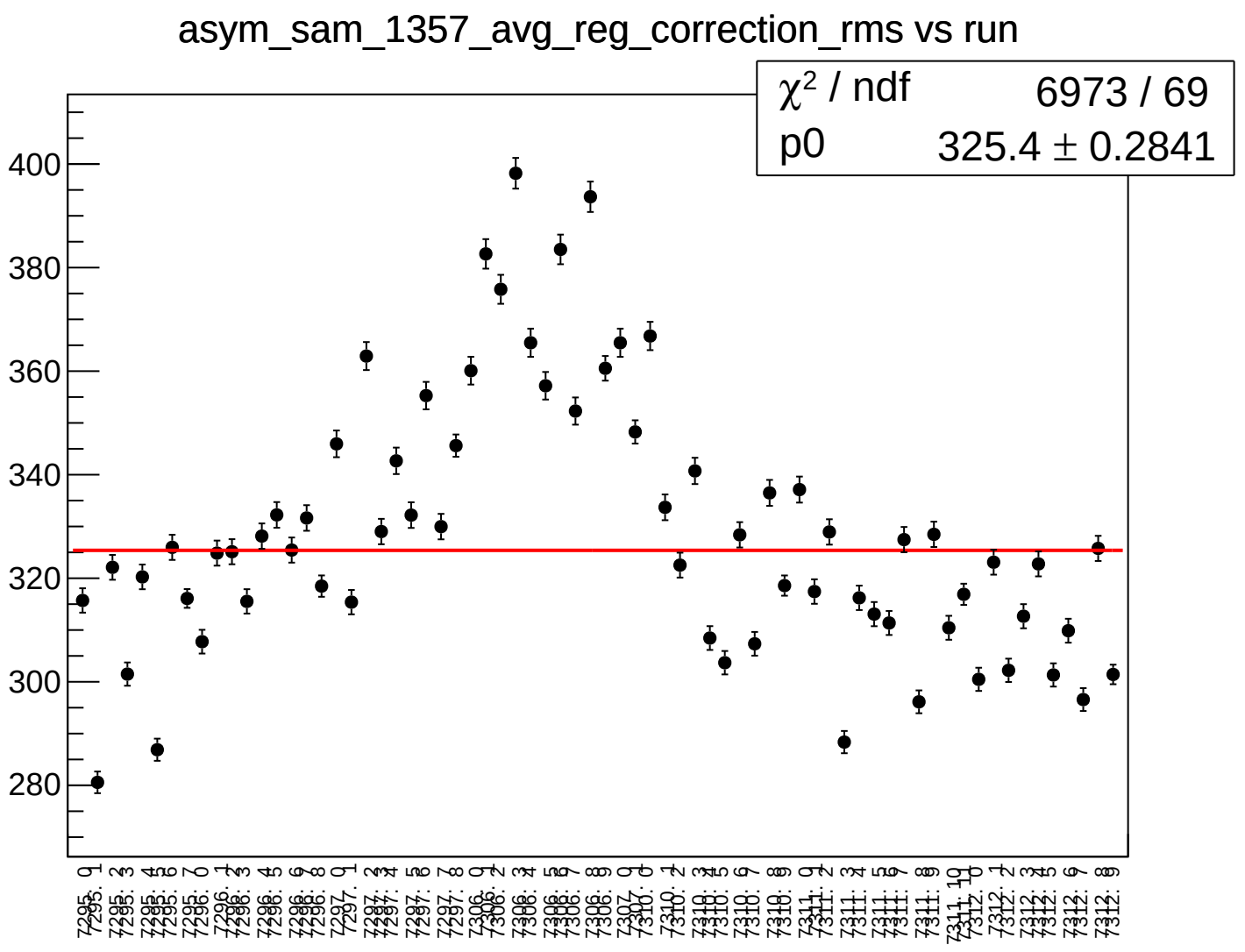

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 80.94 / 69
p0 −85.07 ± 67.4
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 93.2
Std Dev 0
2
1
0
−1
−2

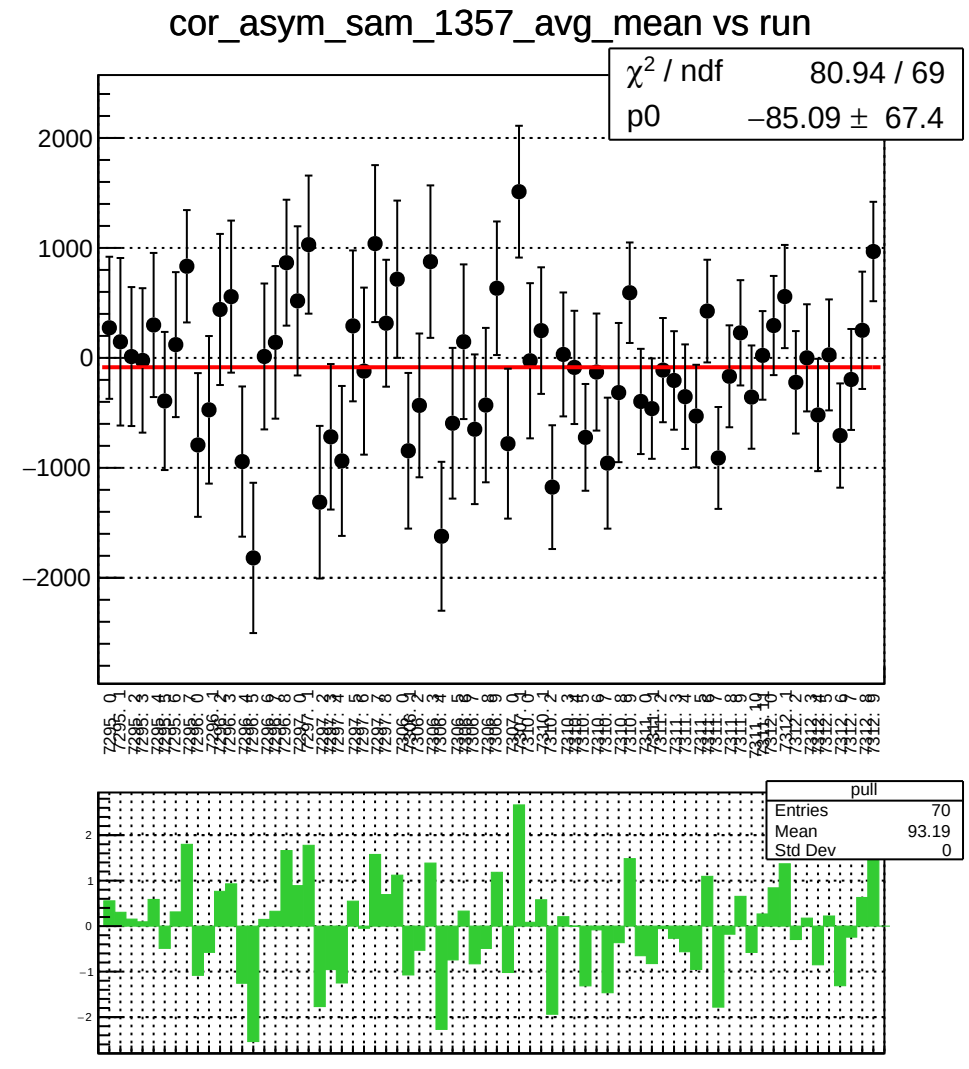

pull1D
Entries 70
Mean −0.01269
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

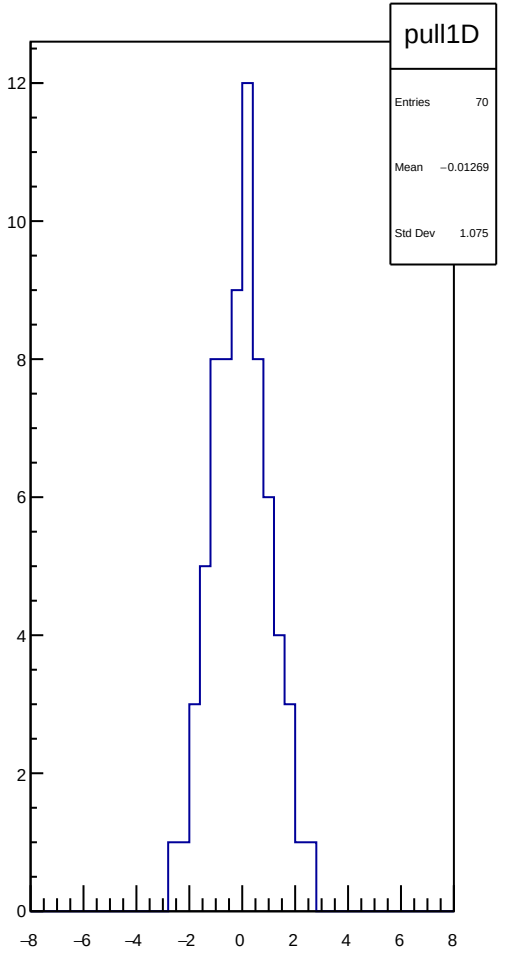

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 3.817e+04 / 69
p0 53.93 ± 0.04766
75
70
65
60
55
50
45
40

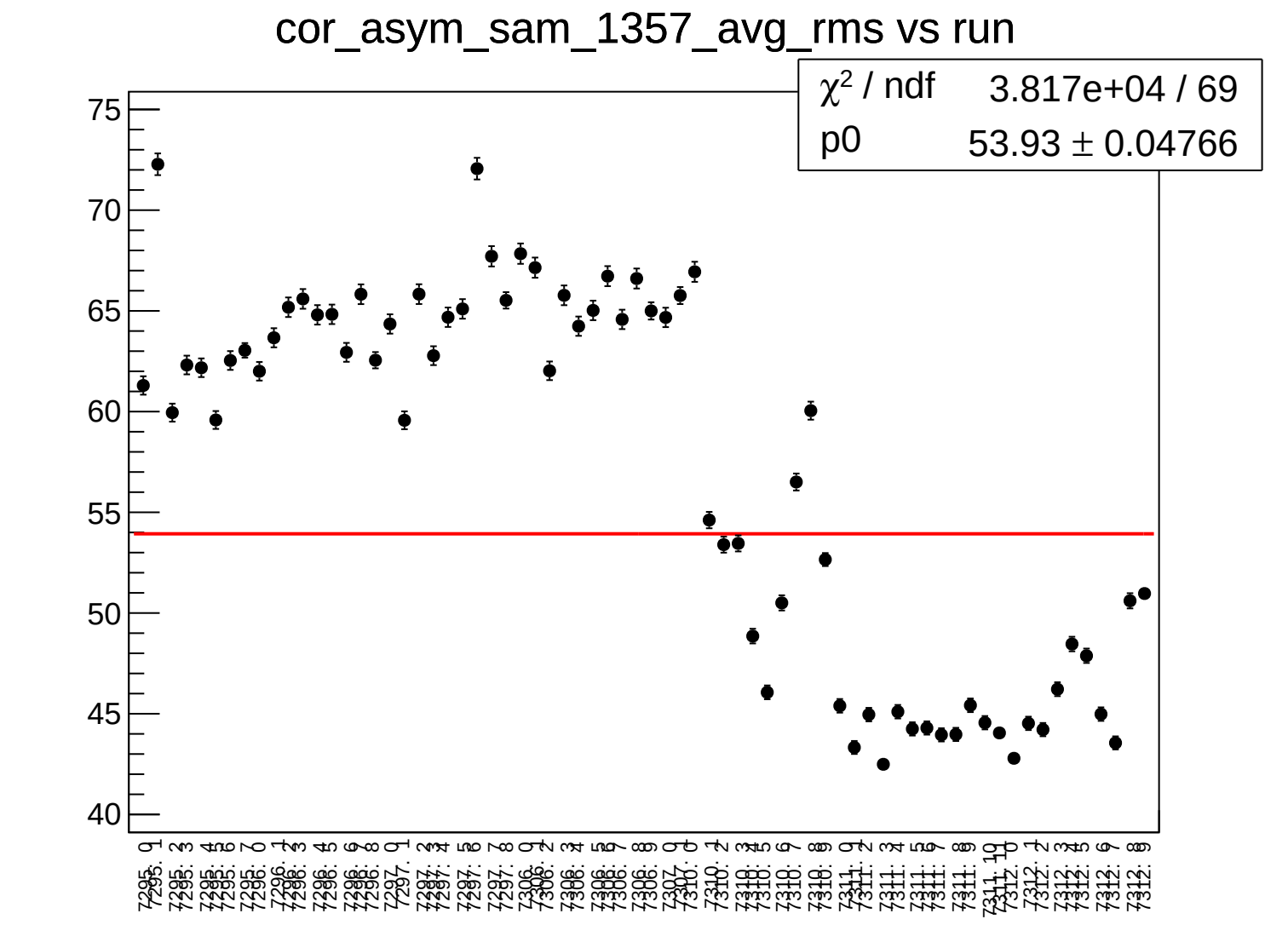

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 74.7 / 69
p0 −673.9 ± 401.7
pull
Entries 70
Mean 1558
Std Dev 0

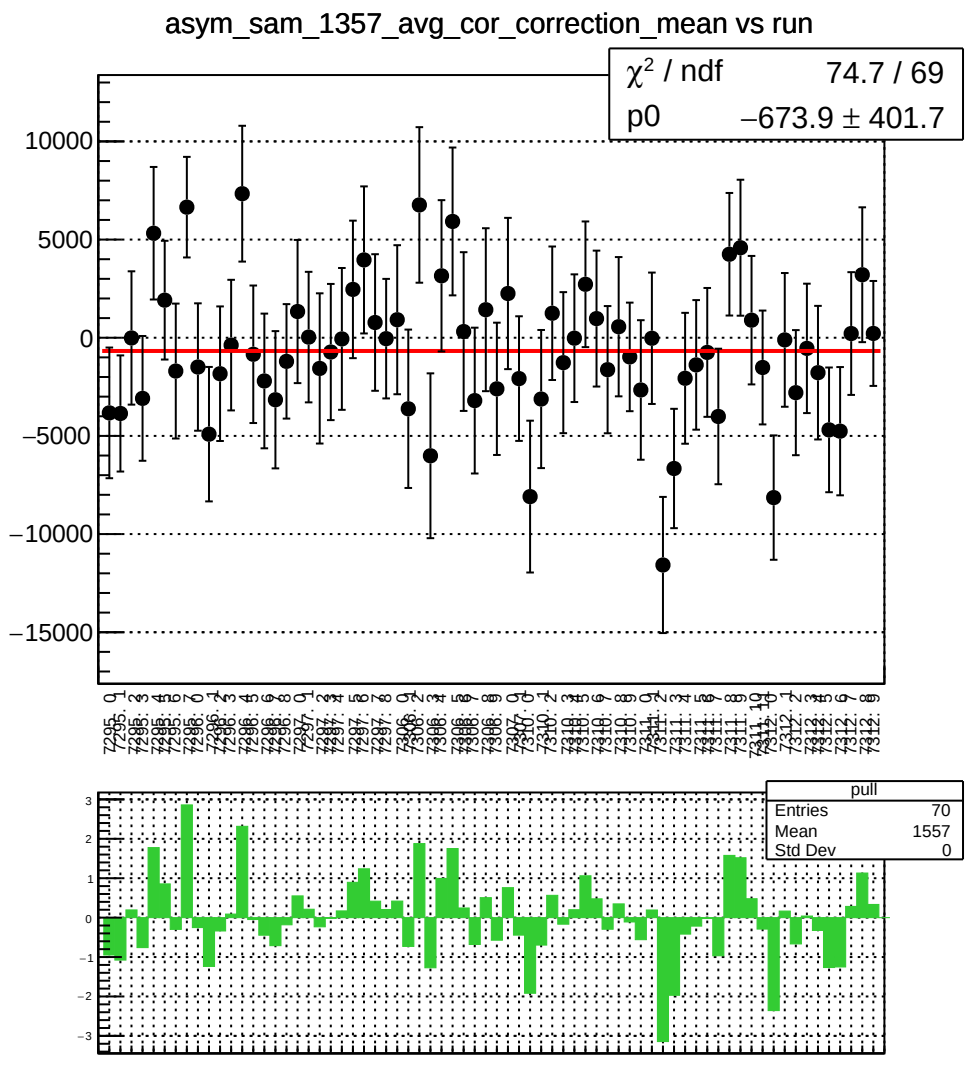

pull1D
Entries 70
Mean −0.002262
Std Dev 1.033

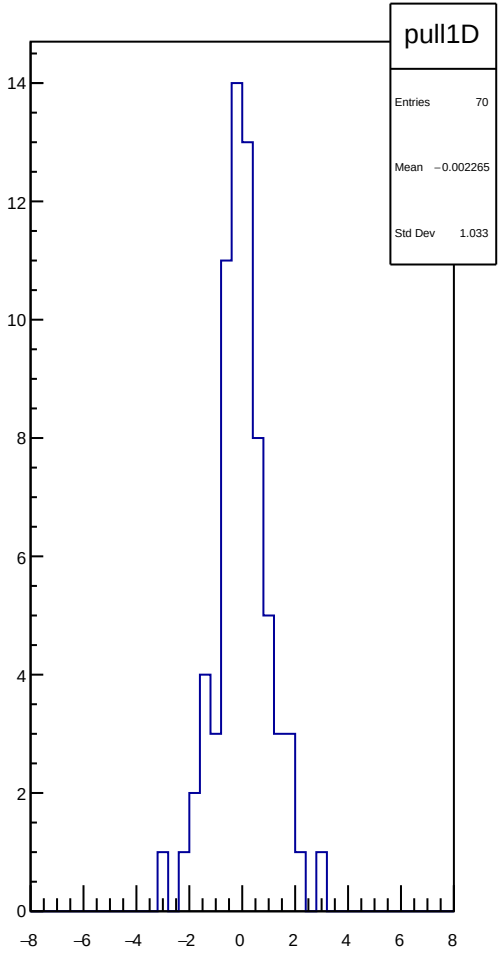

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 6973 / 69
p0 325.4 ± 0.2841
400
380
360
340
320
300
280

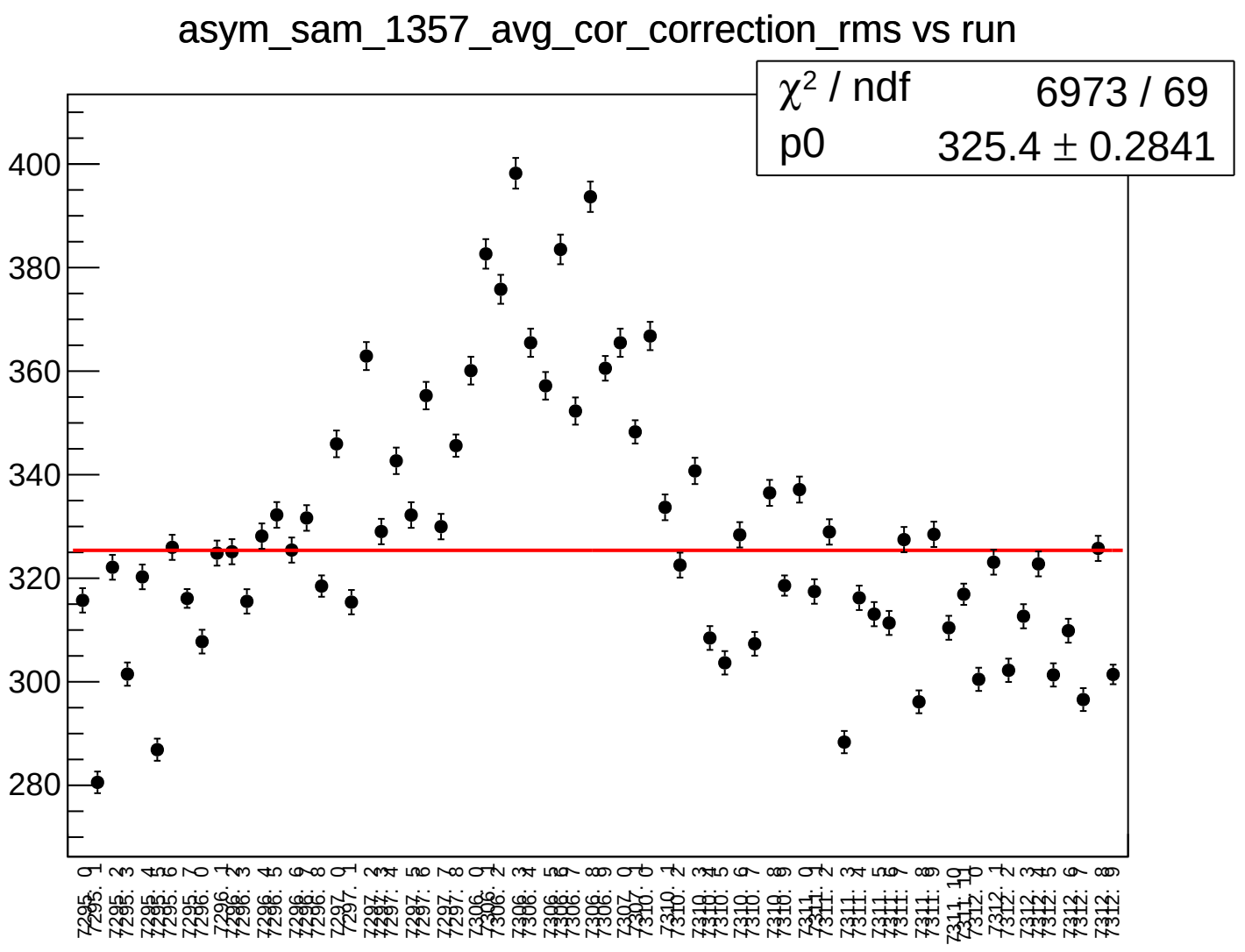

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 80.94 / 69
p0 −85.09 ± 67.4
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 93.19
Std Dev 0
2
1
0
−1
−2

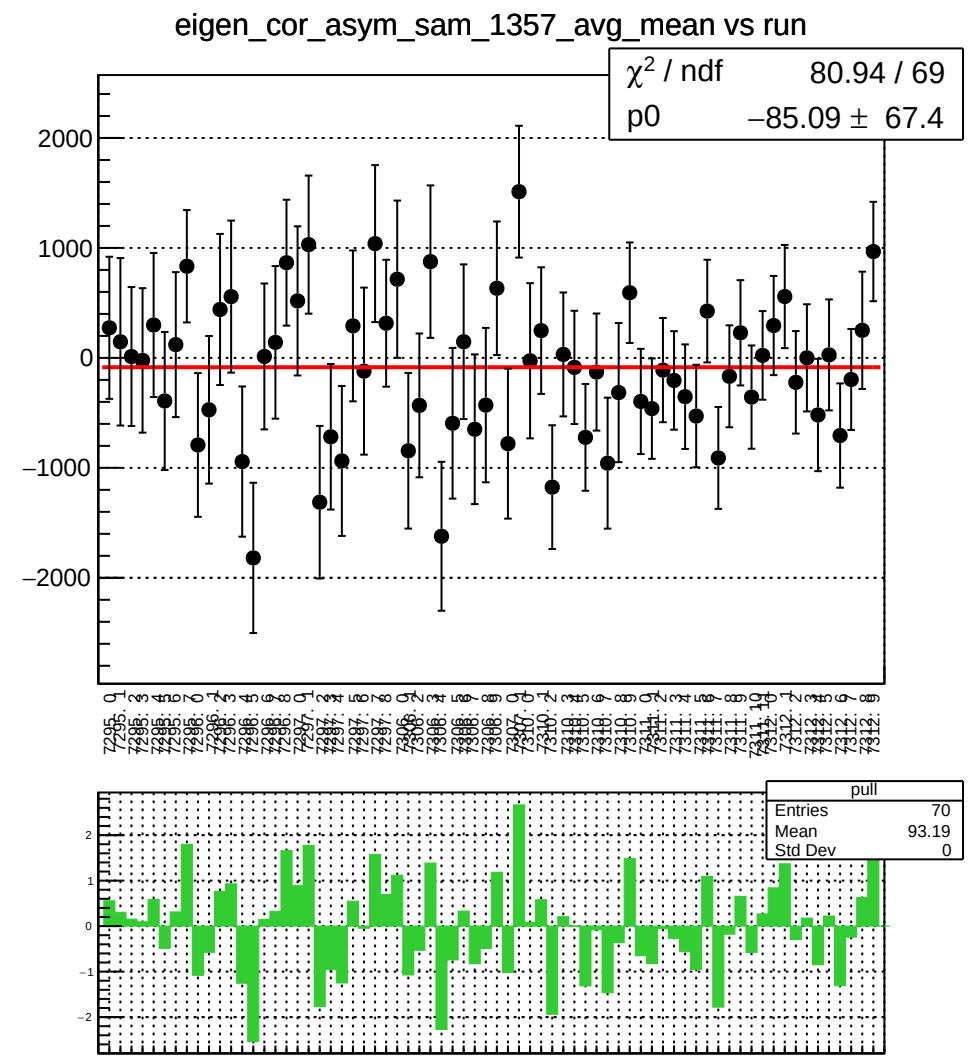

pull1D
Entries 70
Mean −0.01269
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

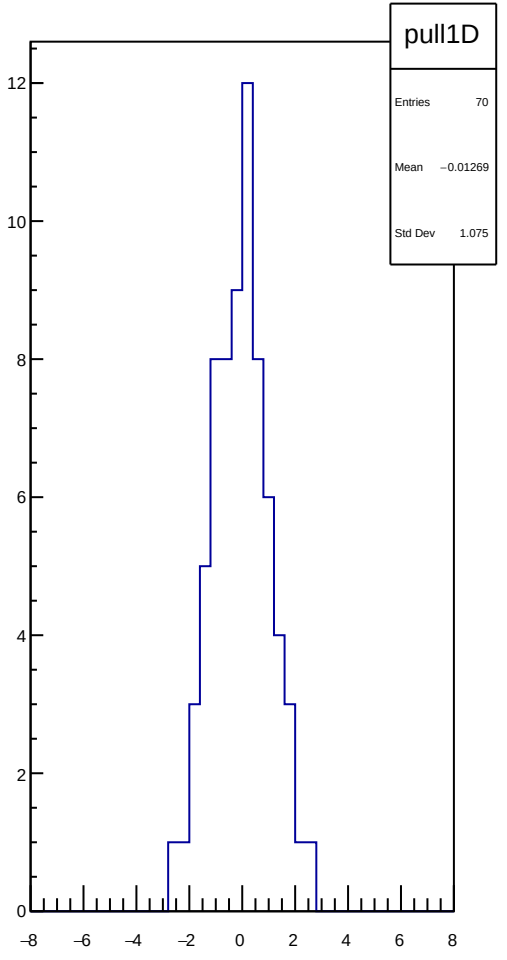

cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 3.817e+04 / 69
p0 53.93 ± 0.04766
75
70
65
60
55
50
45
40

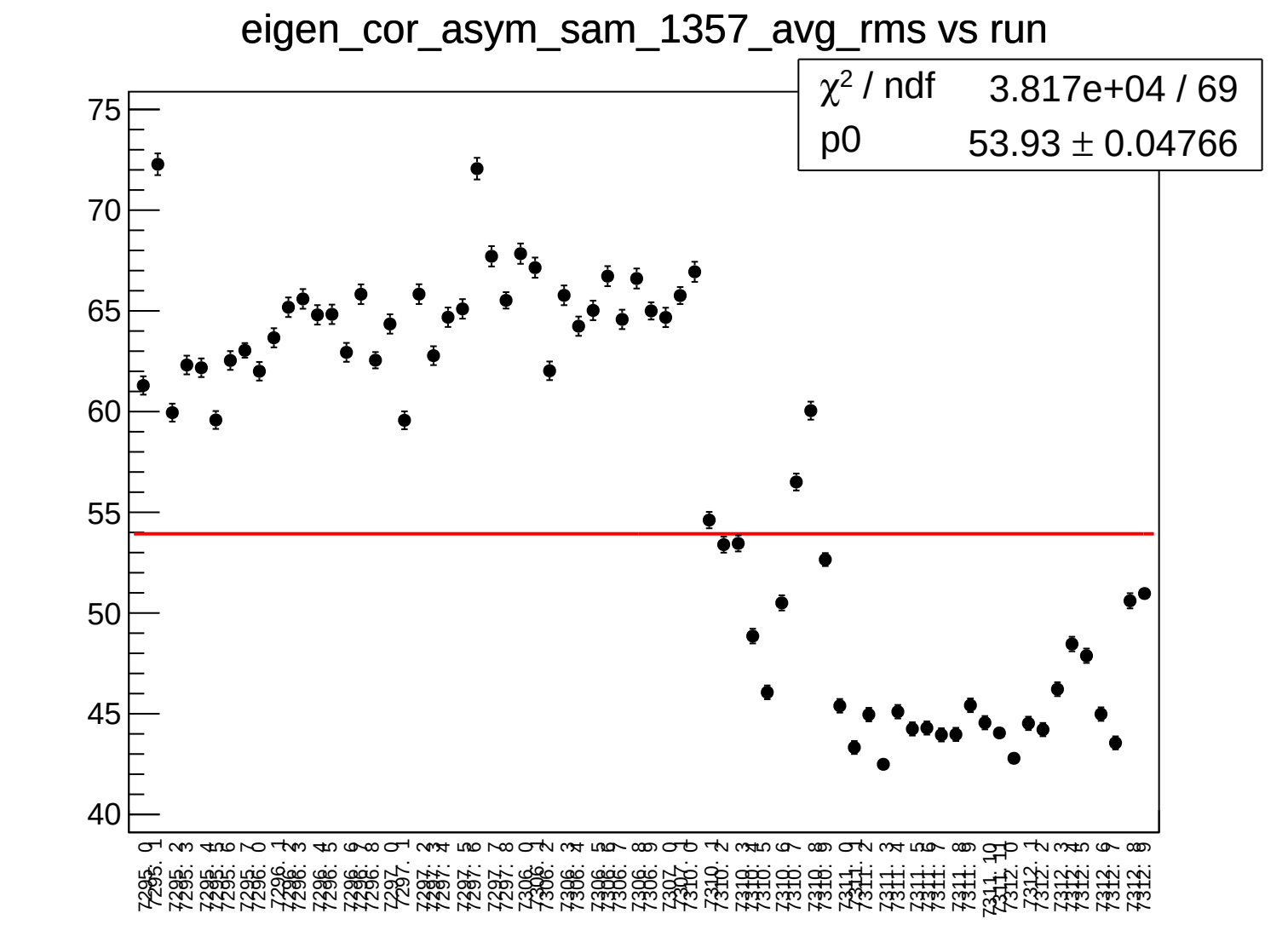

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 74.7 / 69
p0 −673.9 ± 401.7
pull
Entries 70
Mean 1557
Std Dev 0

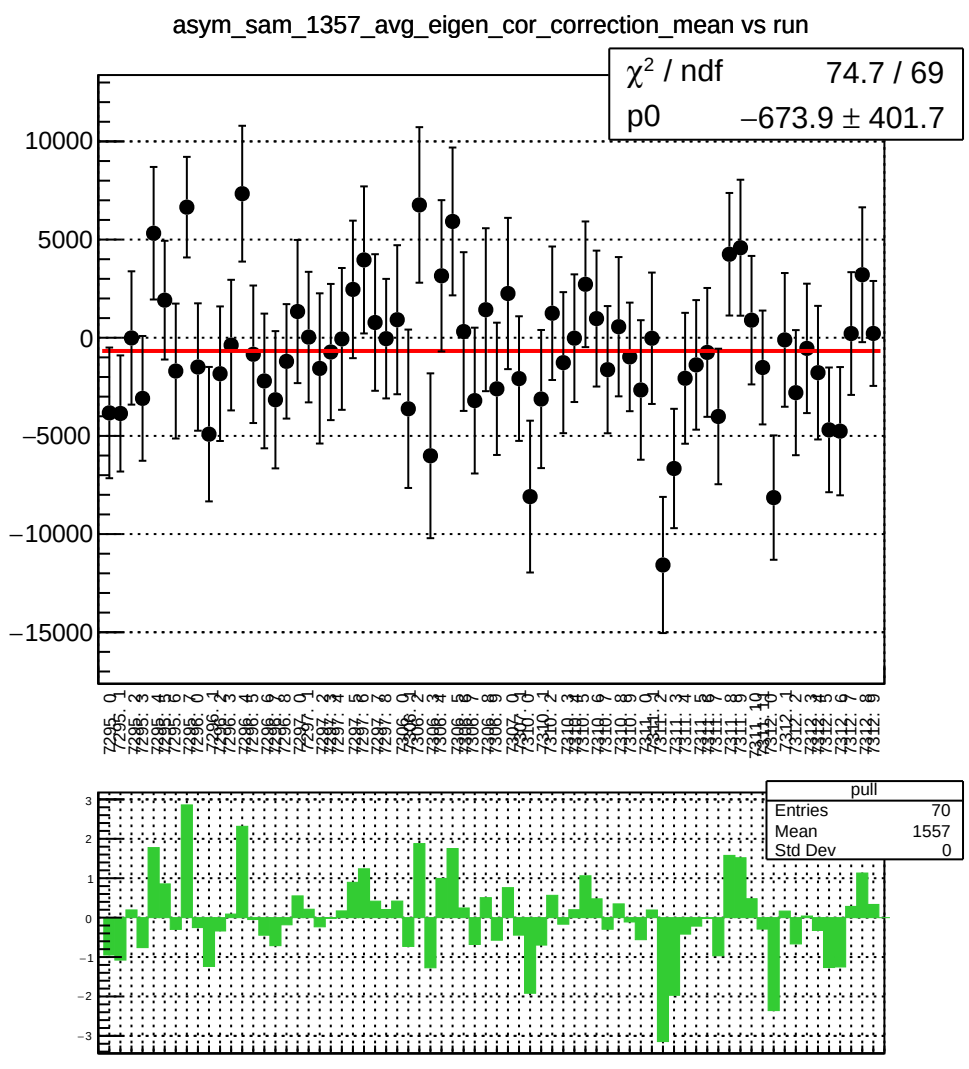

pull1D
Entries 70
Mean −0.002265
Std Dev 1.033

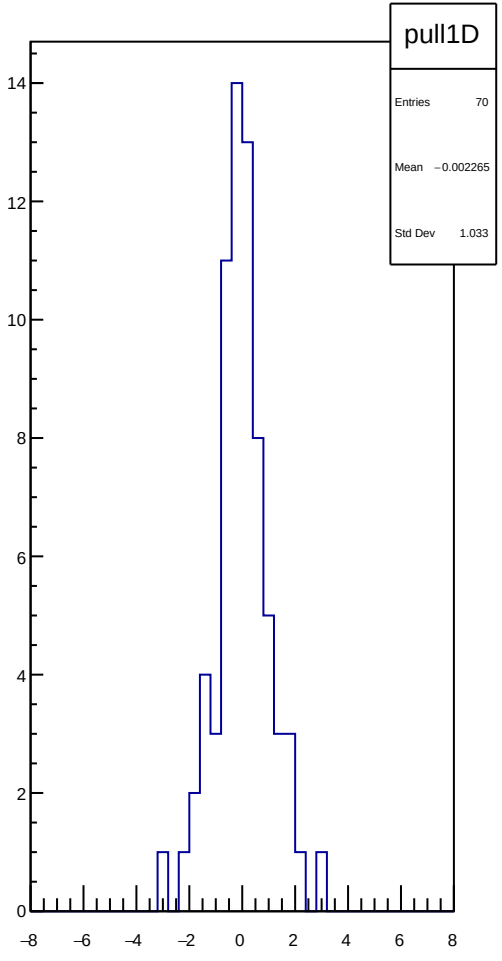

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 6973 / 69
p0 325.4 ± 0.2841
400
380
360
340
320
300
280

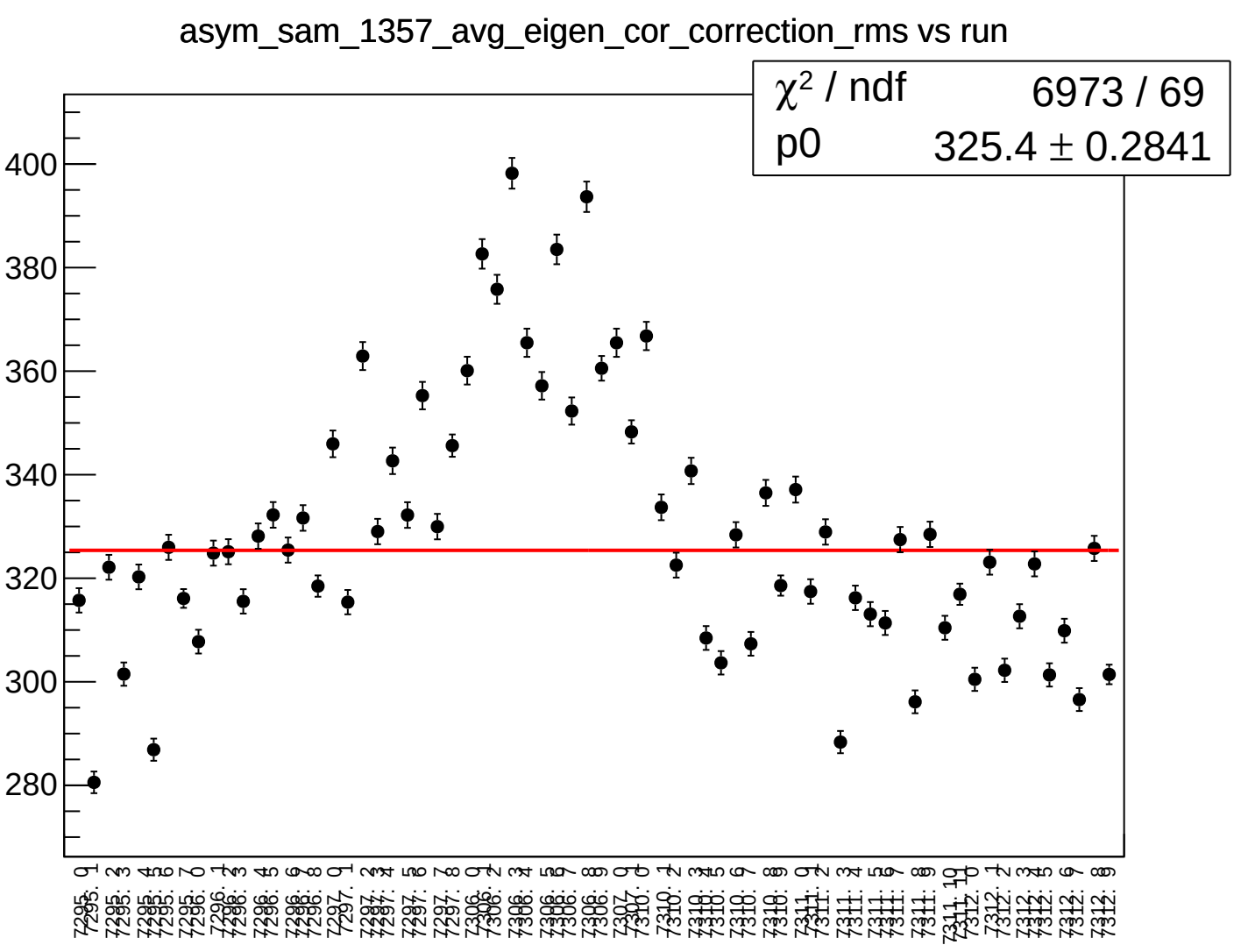

eigen_cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 80.94 / 69
p0 −85.09 ± 67.4
2000
1000
0
−1000
−2000
pull
Entries 70
Mean 93.19
Std Dev 0
2
1
0
−1
−2

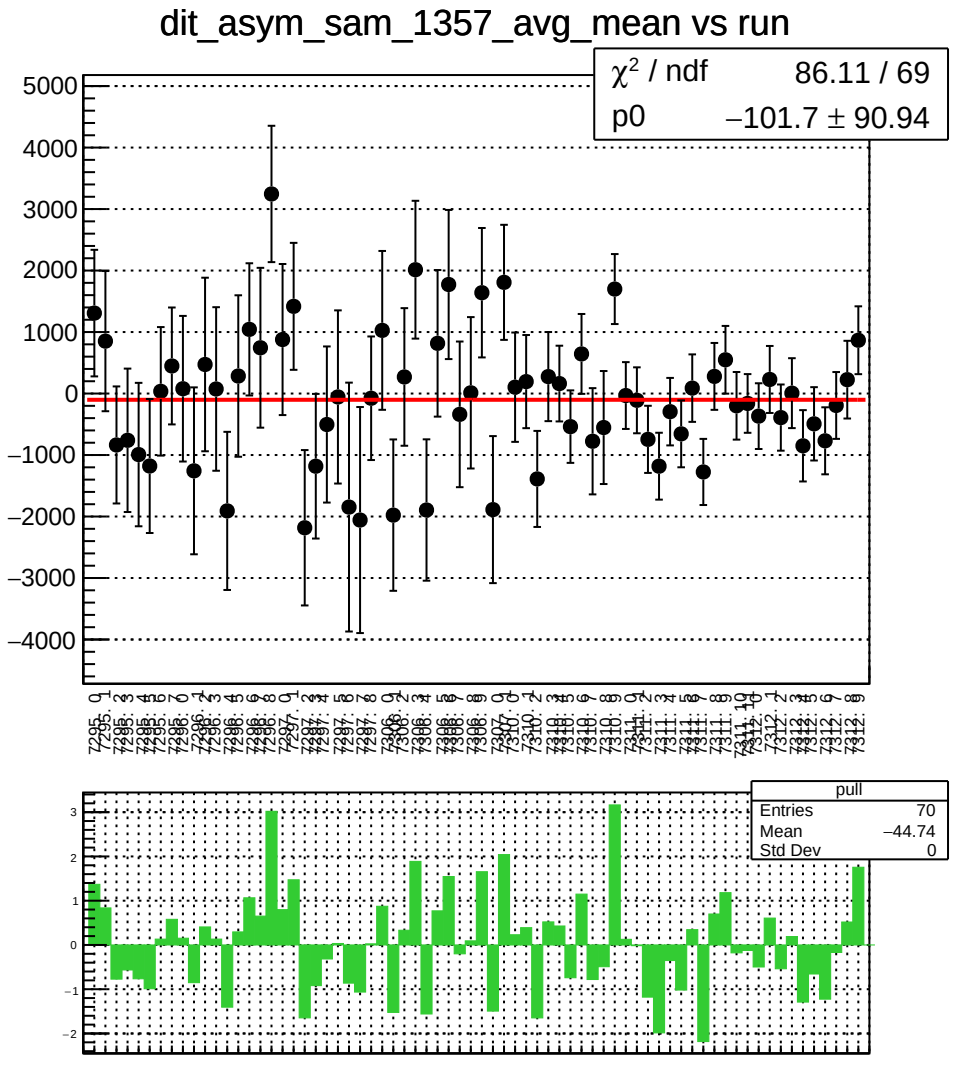

pull1D
Entries 70
Mean −0.01269
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

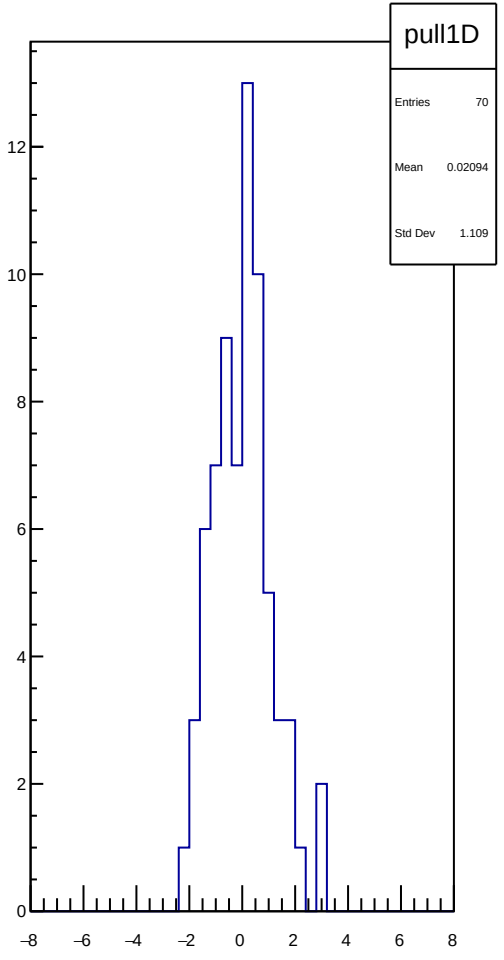

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 3.817e+04 / 69
p0 53.93 ± 0.04766
75
70
65
60
55
50
45
40

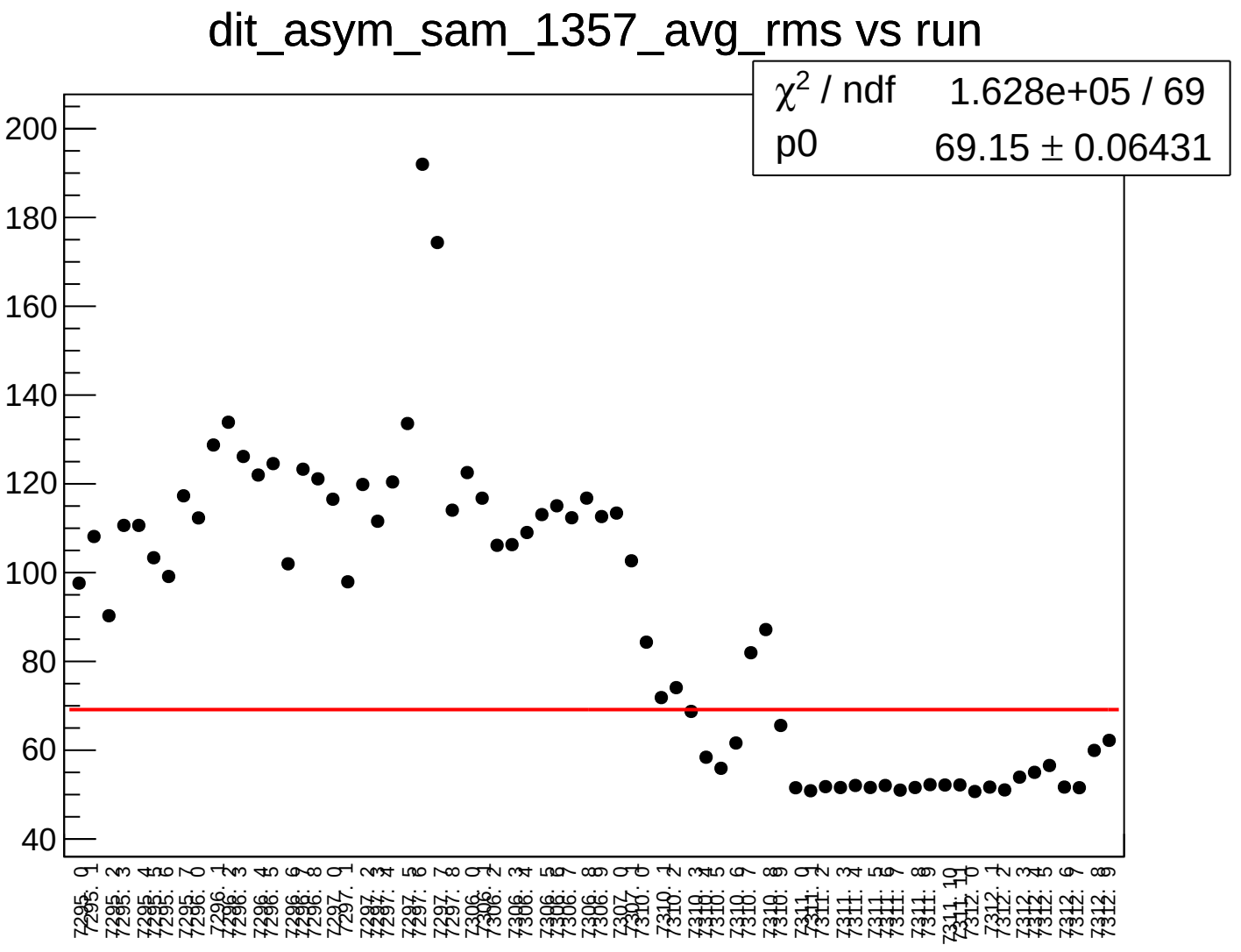

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.7 / 69
p0 −673.9 ± 401.7
pull
Entries 70
Mean 1557
Std Dev 0

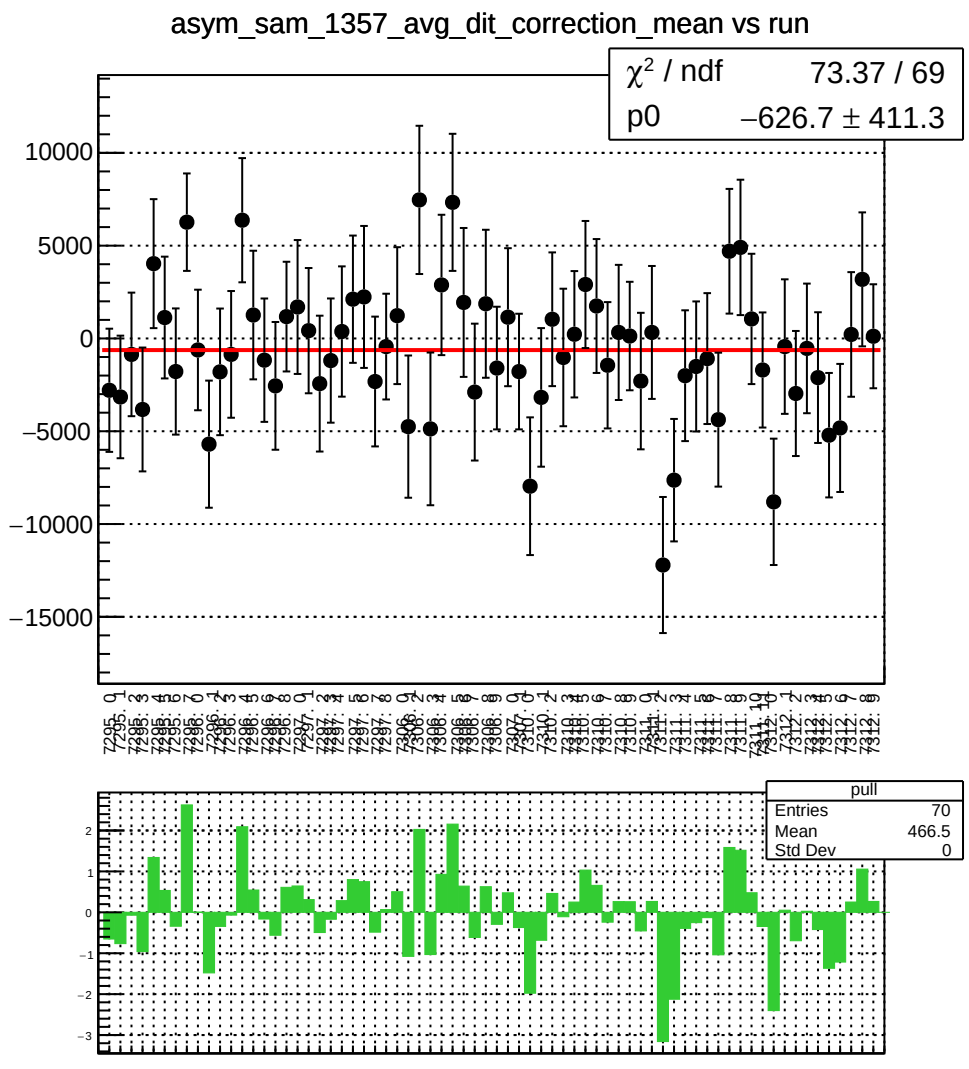

pull1D
Entries 70
Mean −0.002265
Std Dev 1.033

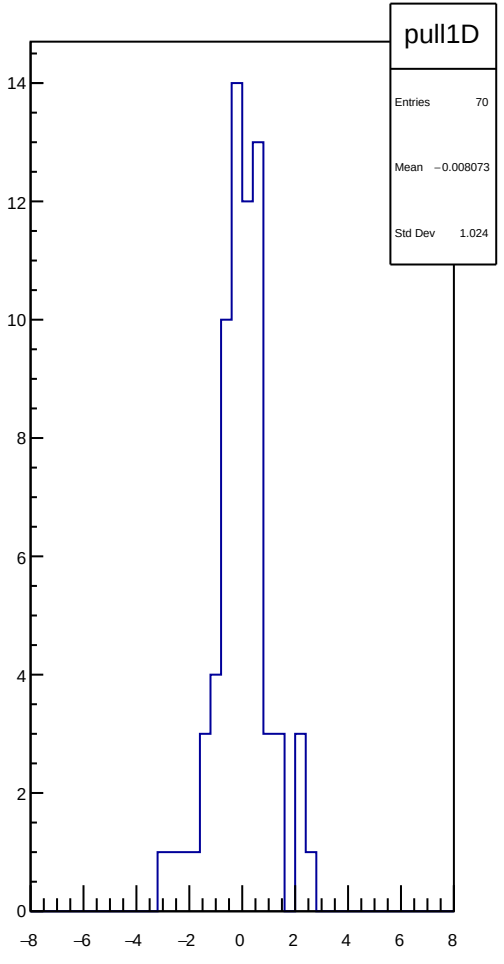

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 6973 / 69
p0 325.4 ± 0.2841
400
380
360
340
320
300
280

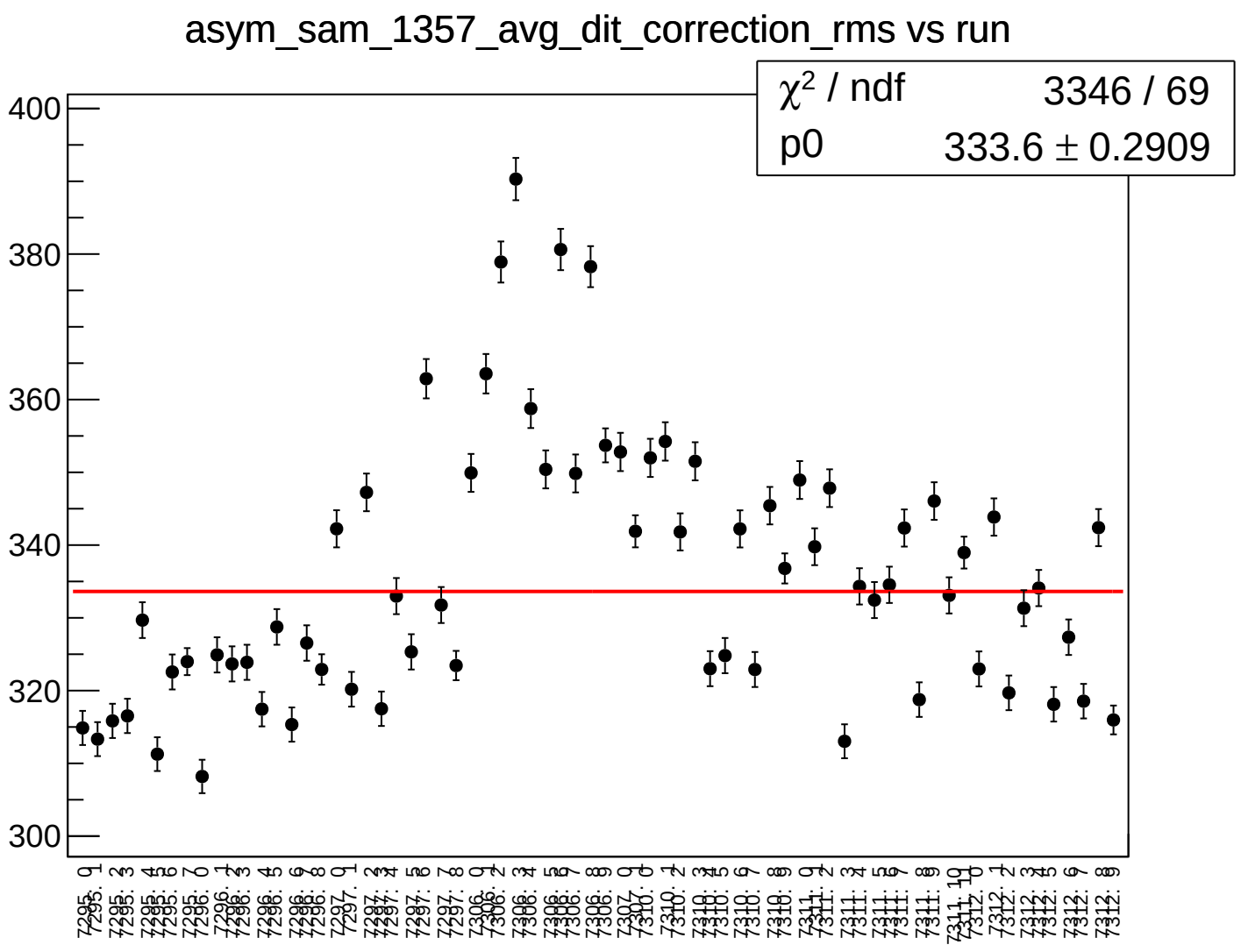

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 86.11 / 69
p0 −101.7 ± 90.94
pull
Entries 70
Mean −44.74
Std Dev 0

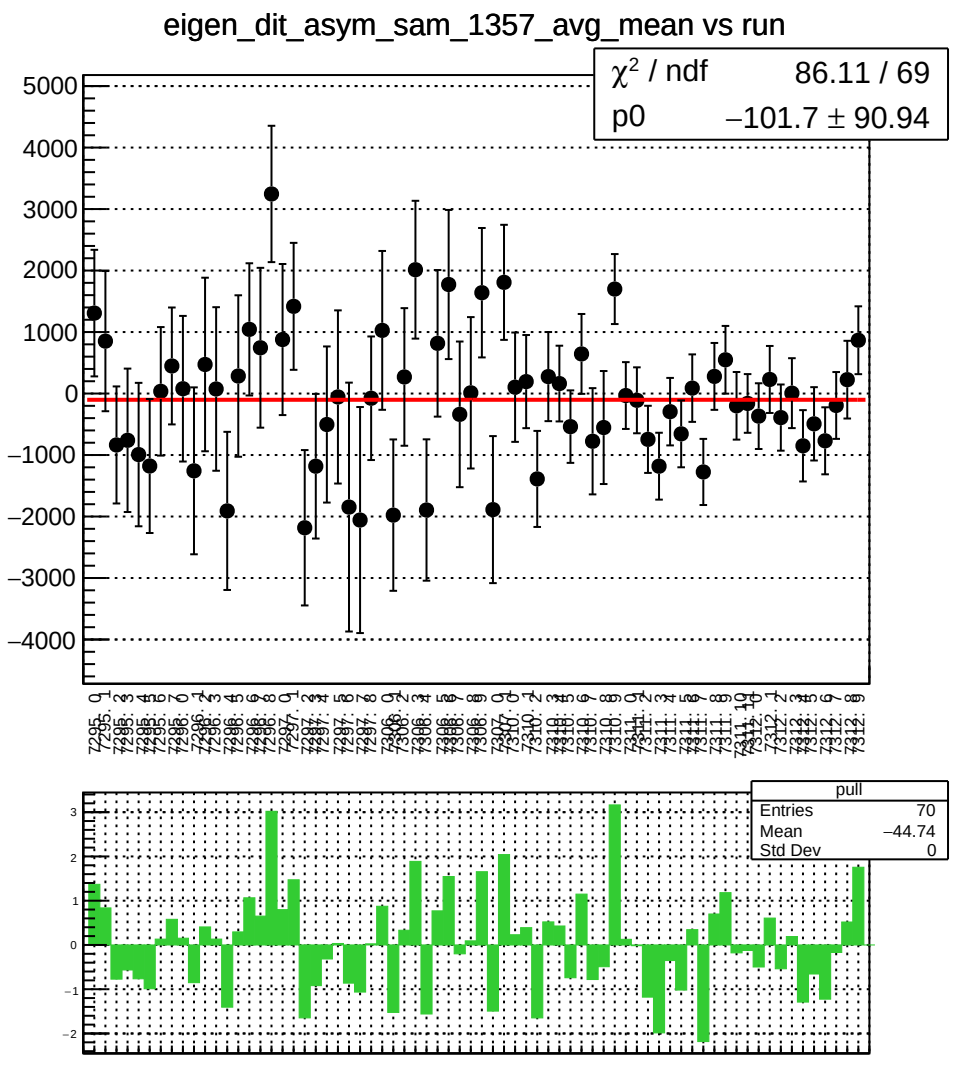

pull1D
Entries 70
Mean 0.02094
Std Dev 1.109

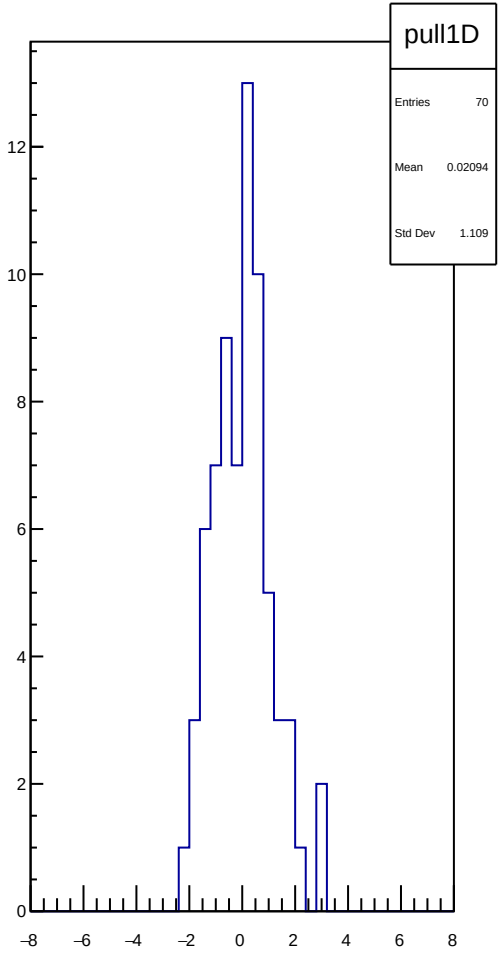

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.628e+05 / 69
p0 69.15 ± 0.06431
200
180
160
140
120
100
80
60
40

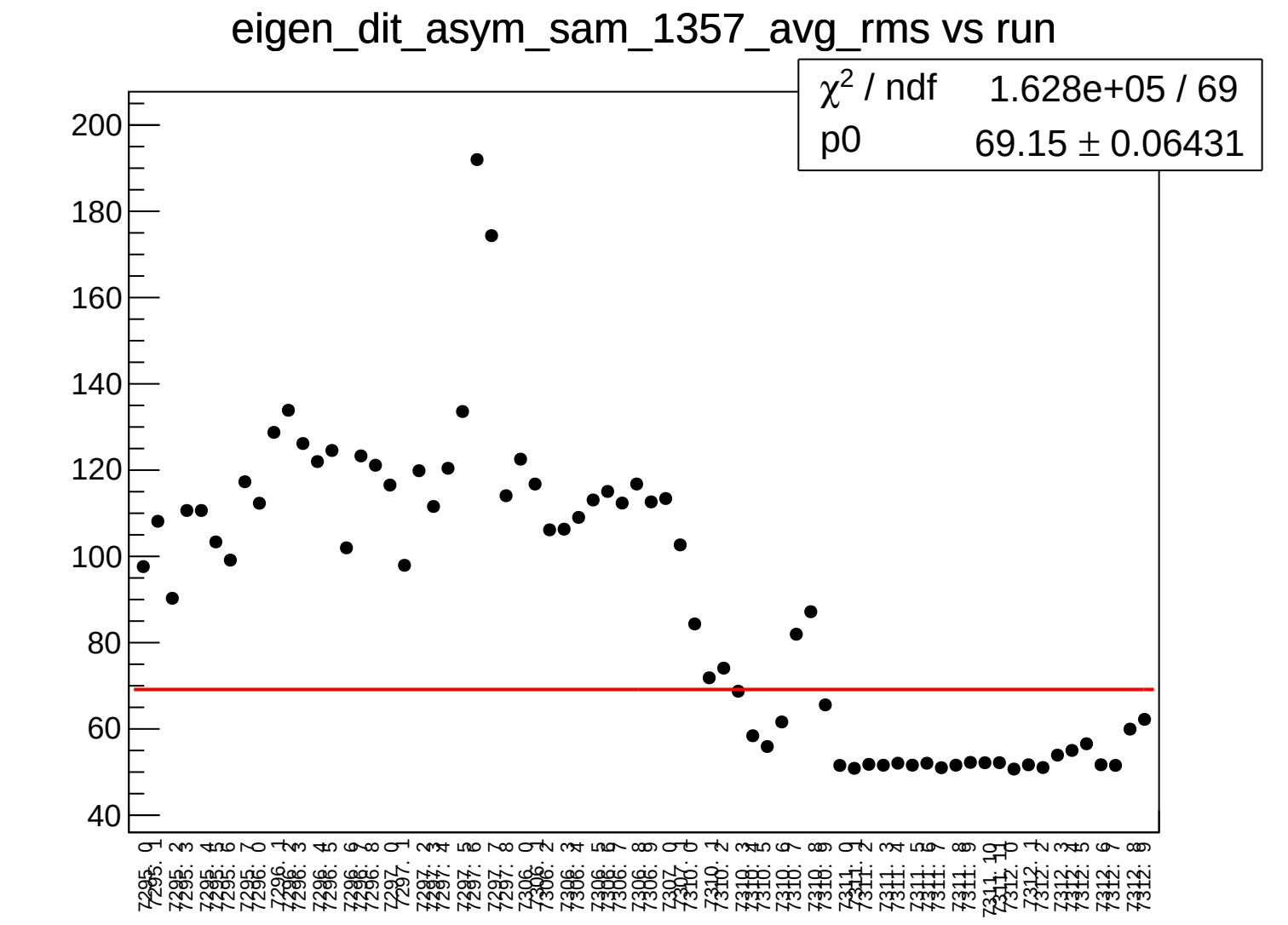

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 73.37 / 69
p0 −626.7 ± 411.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 466.5
Std Dev 0
2
1
0
−1
−2
−3

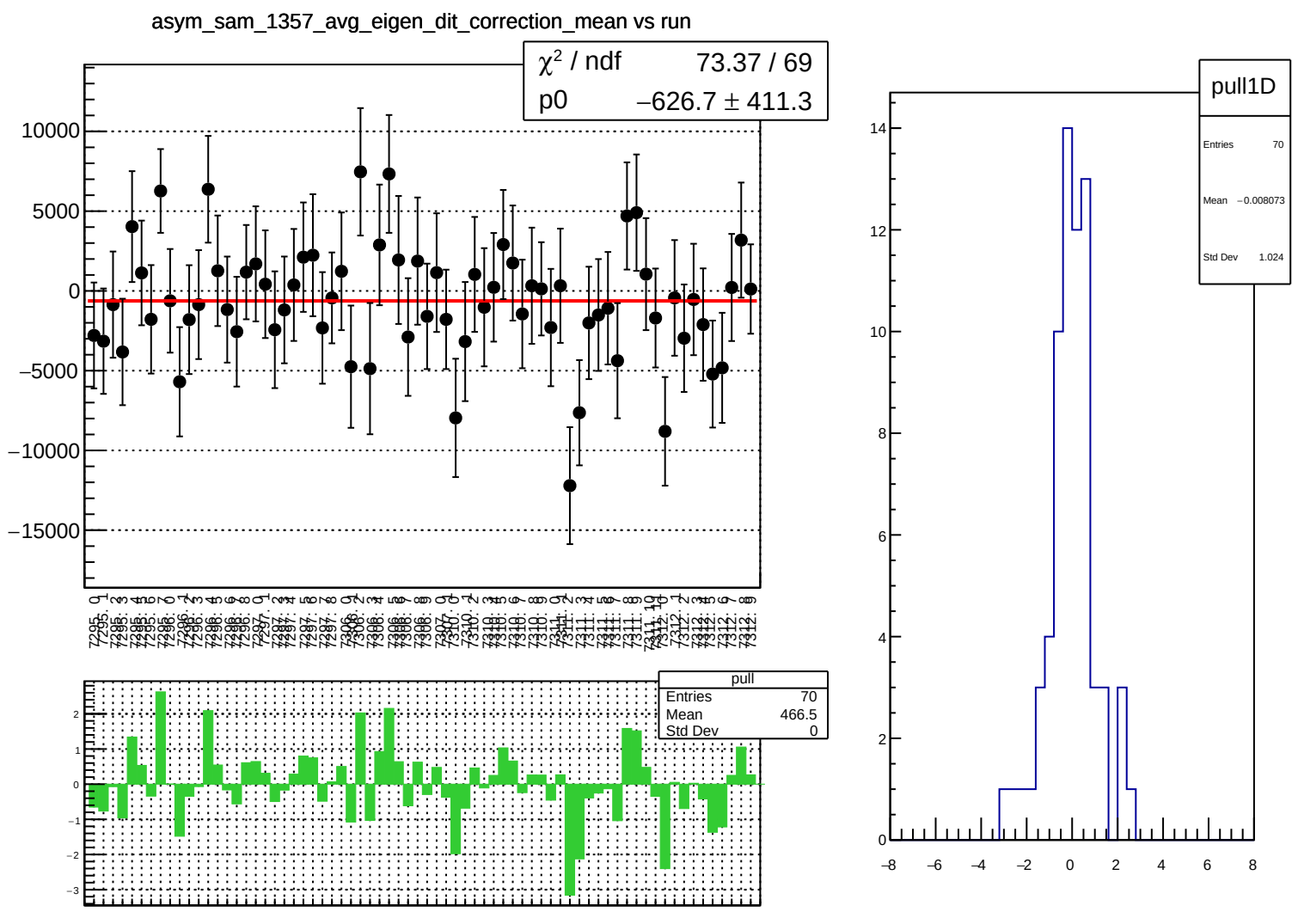

pull1D
Entries 70
Mean −0.008073
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

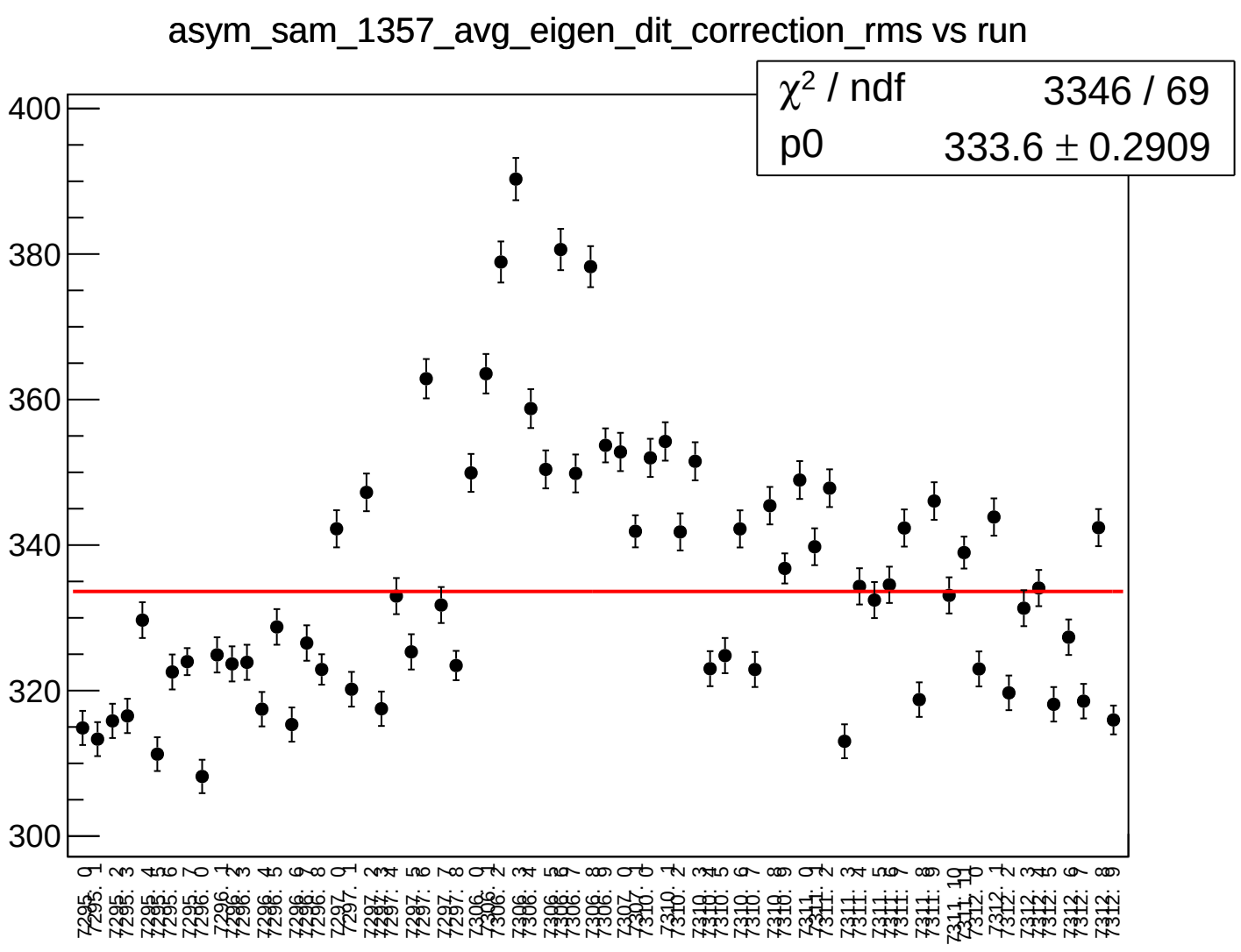

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3346 / 69
p0 333.6 ± 0.2909
400
380
360
340
320
300

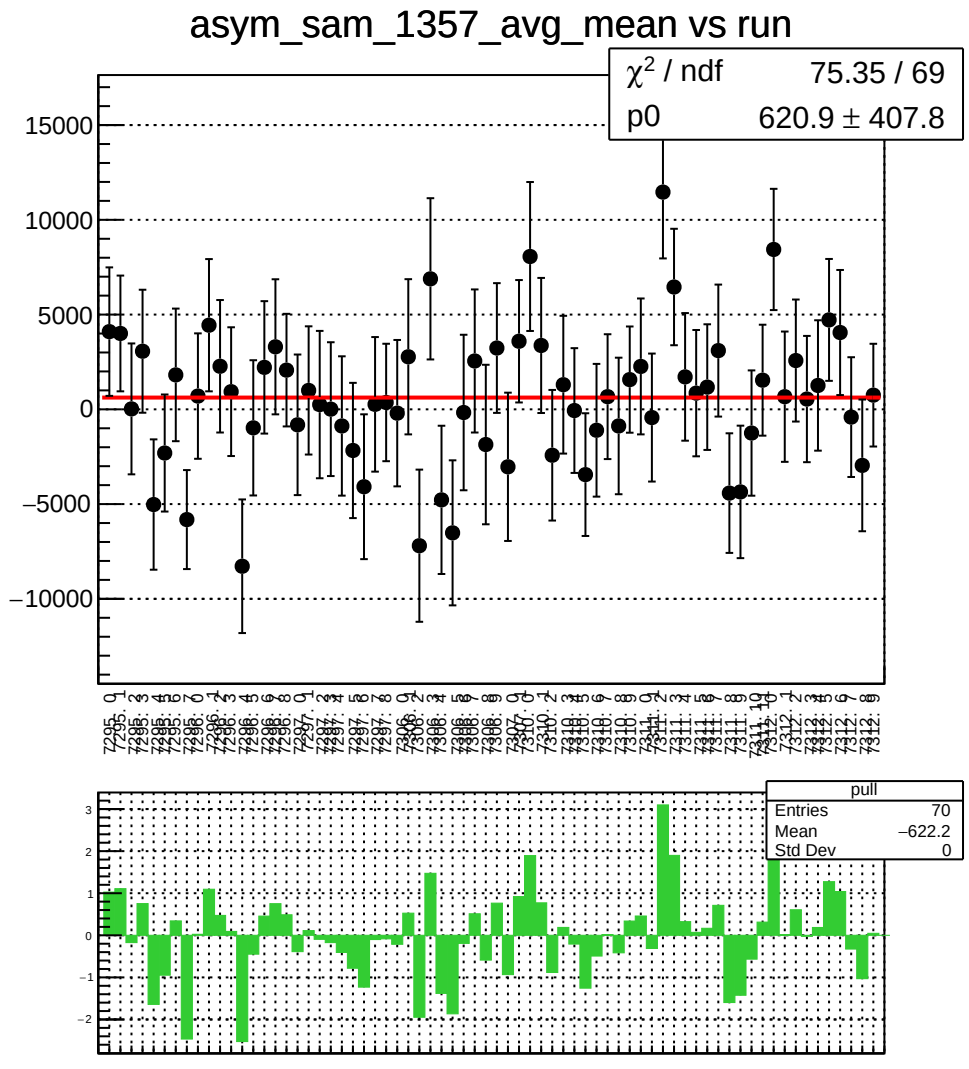

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 86.11 / 69
p0 −101.7 ± 90.94
pull
Entries 70
Mean −44.74
Std Dev 0

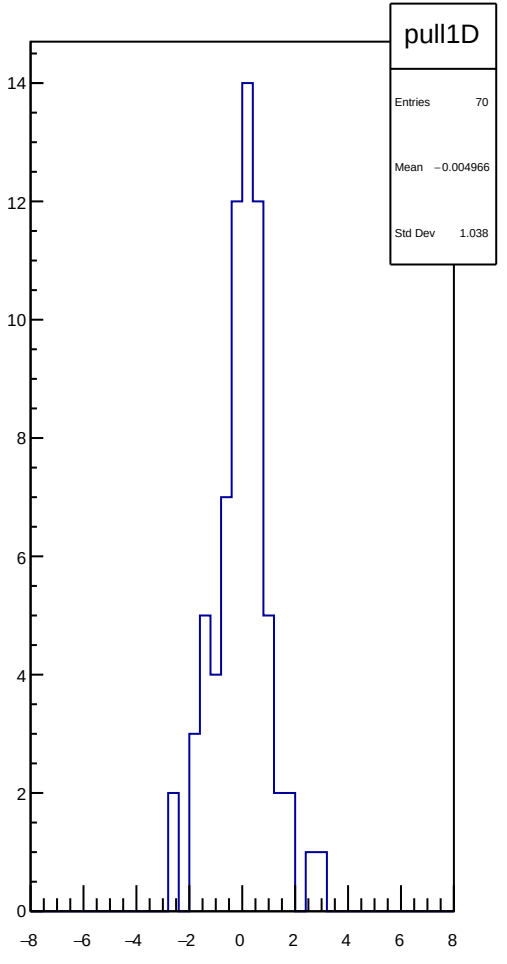

pull1D
Entries 70
Mean 0.02094
Std Dev 1.109

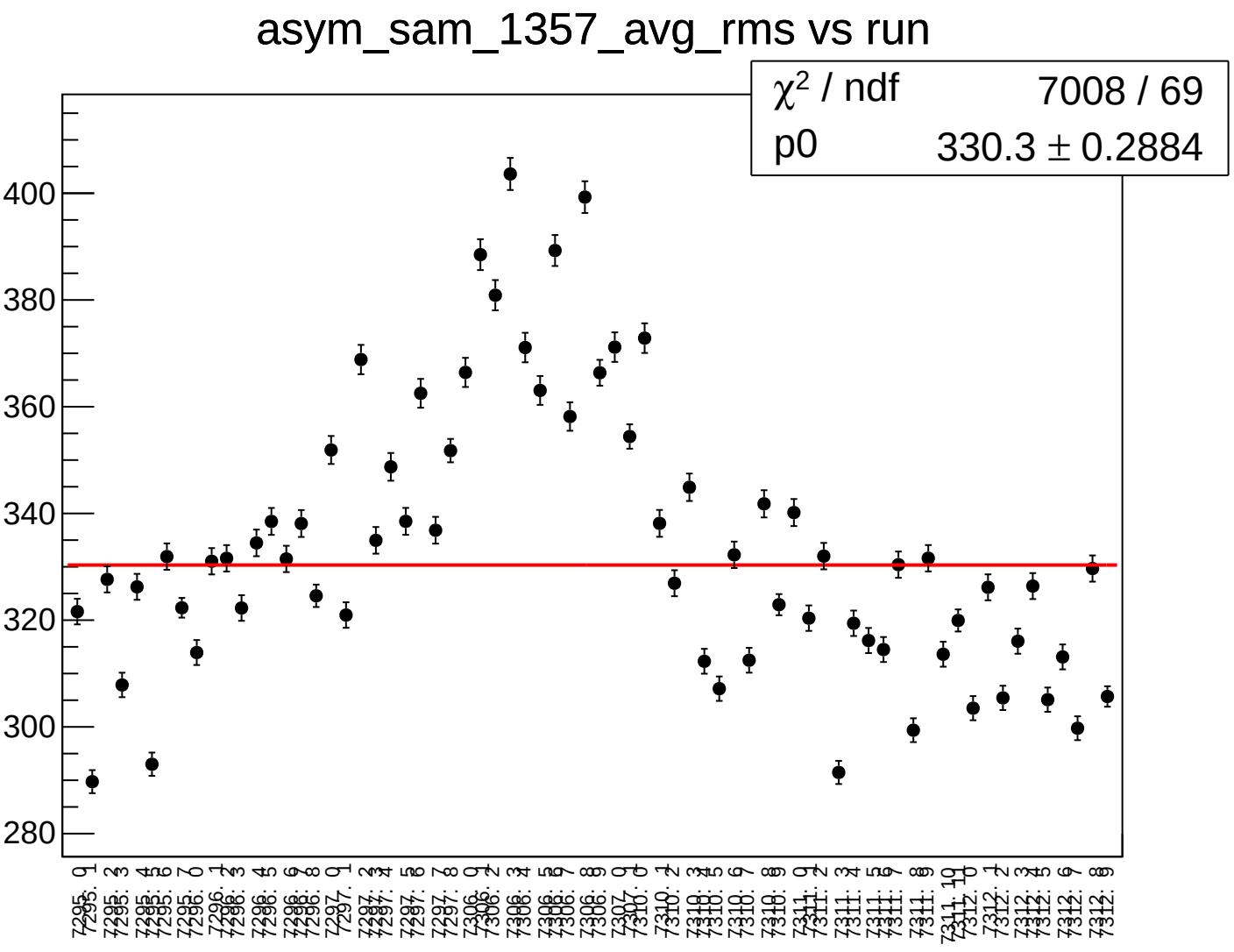

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.628e+05 / 69
p0 69.15 ± 0.06431
200
180
160
140
120
100
80
60
40

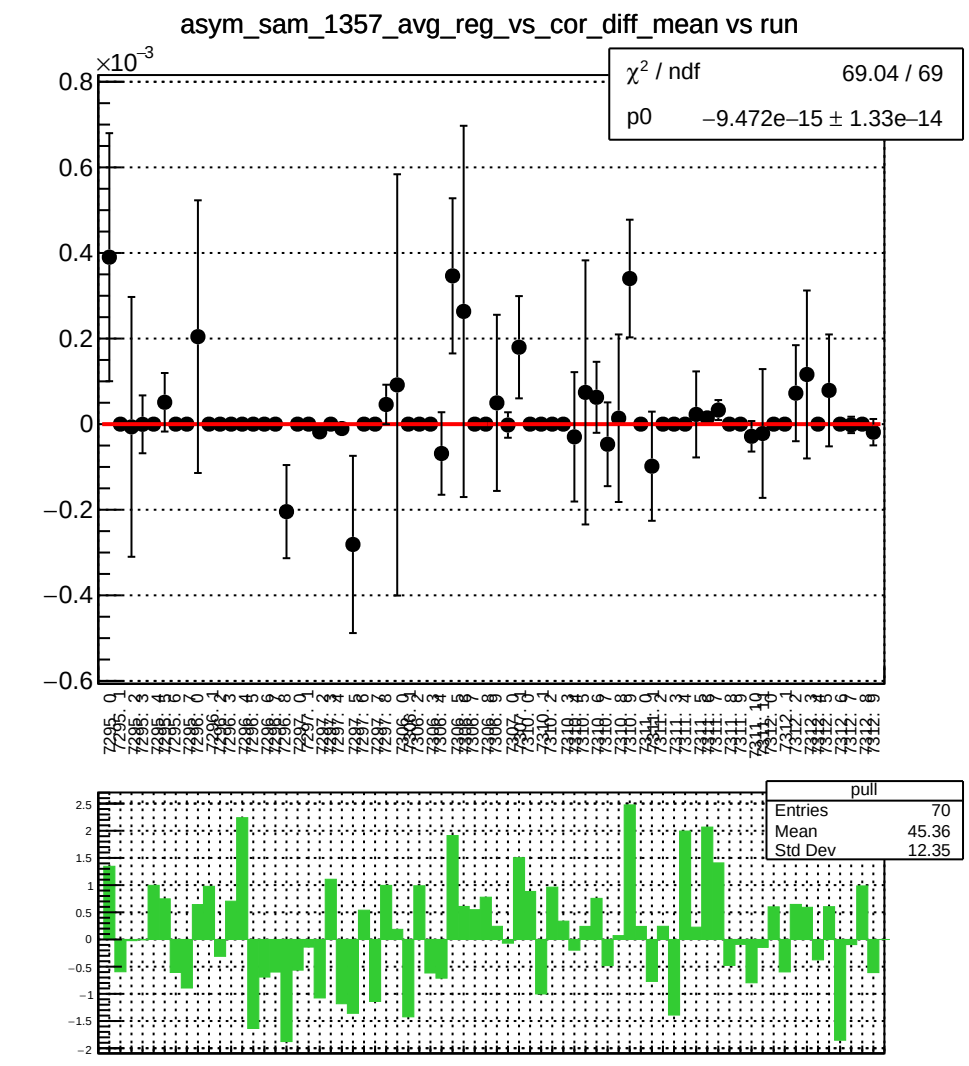

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.37 / 69
p0 −626.7 ± 411.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 70
Mean 466.5
Std Dev 0
pull1D
Entries 70
Mean −0.008073
Std Dev 1.024

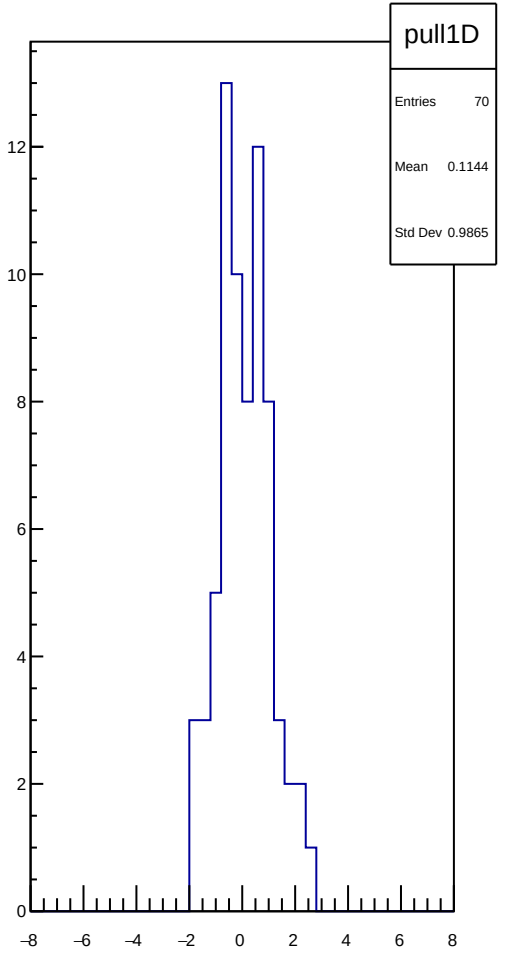

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3346 / 69
p0 333.6 ± 0.2909
400
380
360
340
320
300

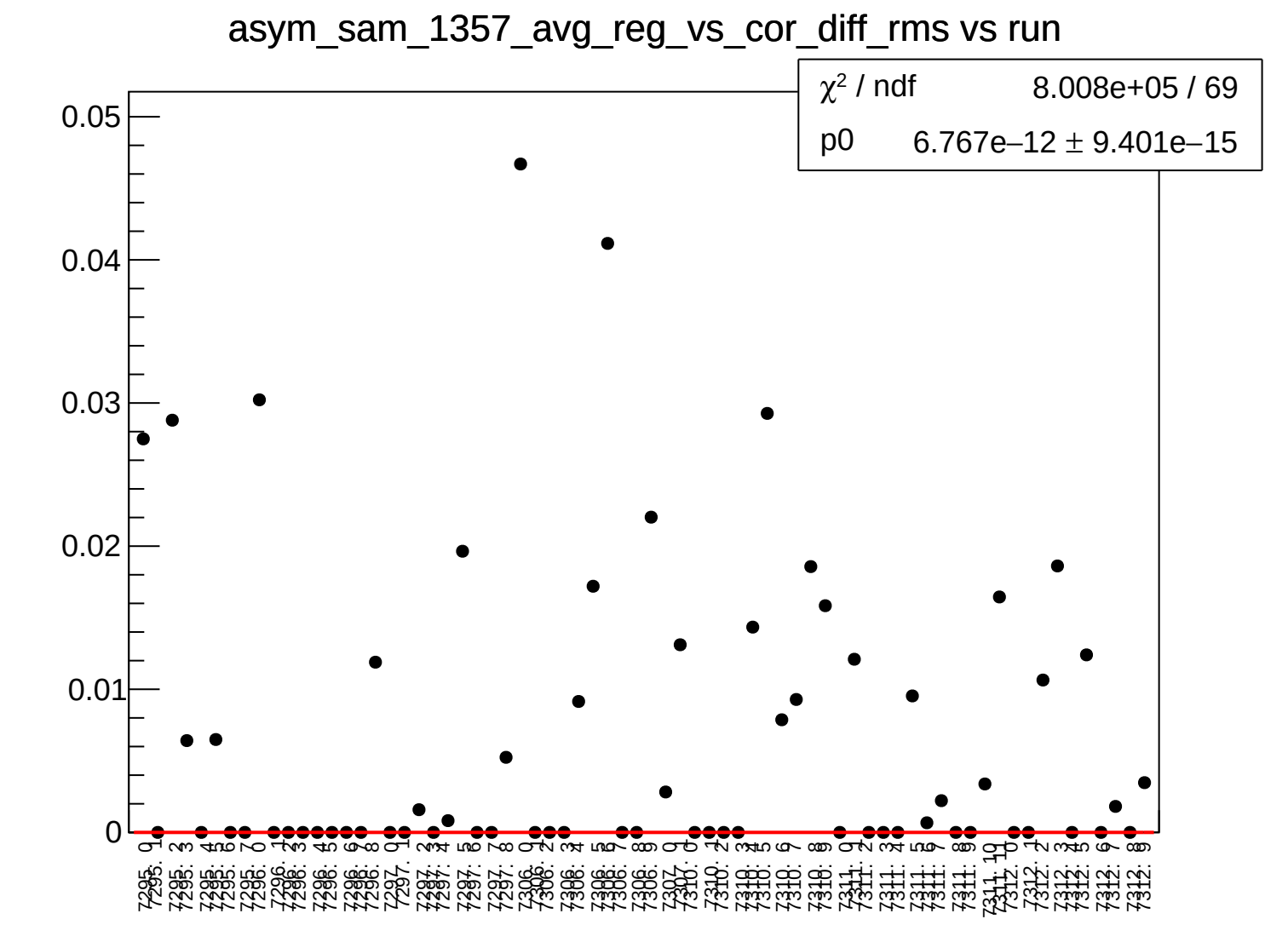

asym_sam_1357_avg_mean vs run
χ² / ndf 75.35 / 69
p0 620.9 ± 407.8
15000
10000
5000
0
−5000
−10000
pull
Entries 70
Mean −622.2
Std Dev 0
3
2
1
0
−1
−2

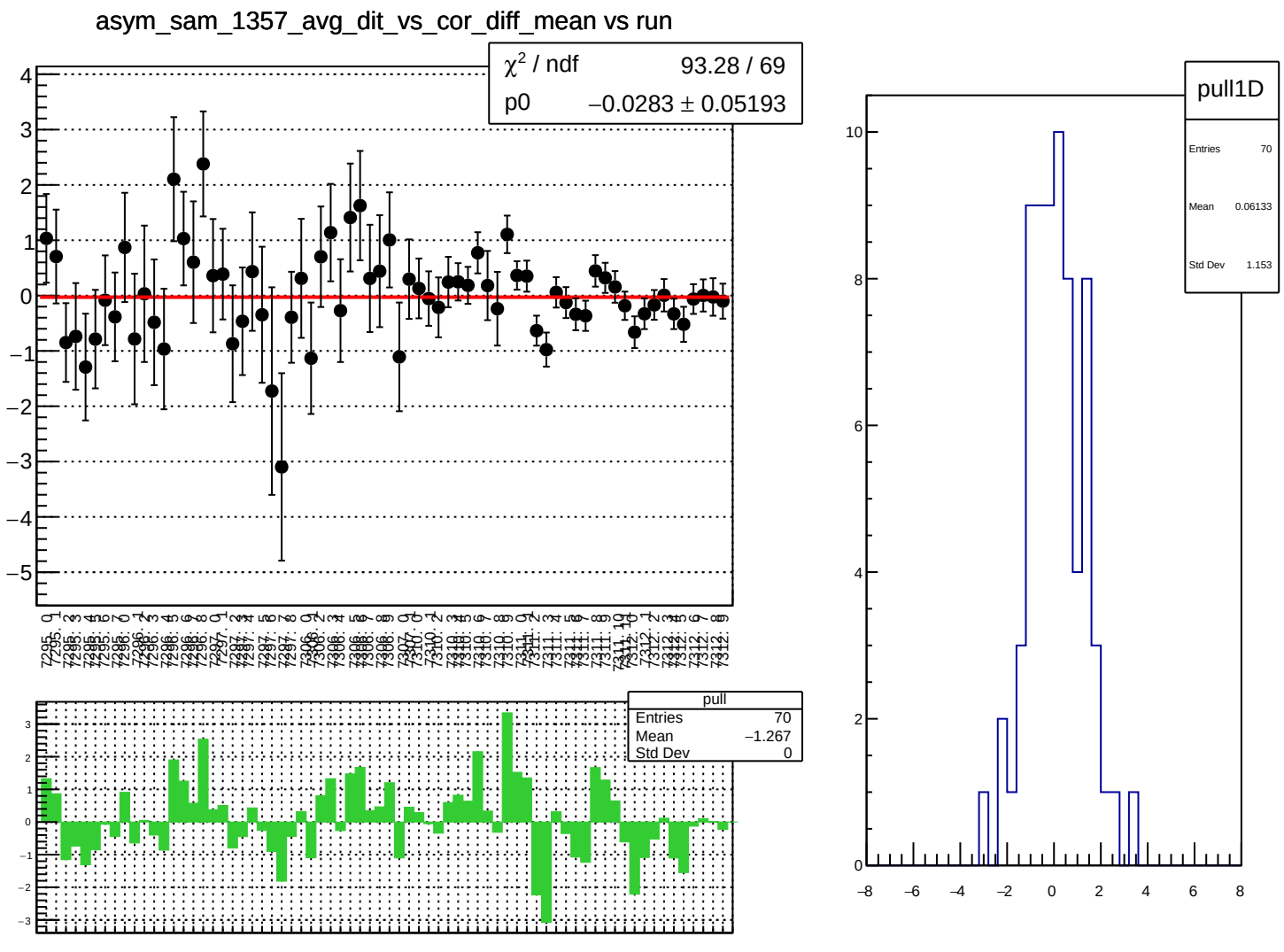

pull1D
Entries 70
Mean −0.004966
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

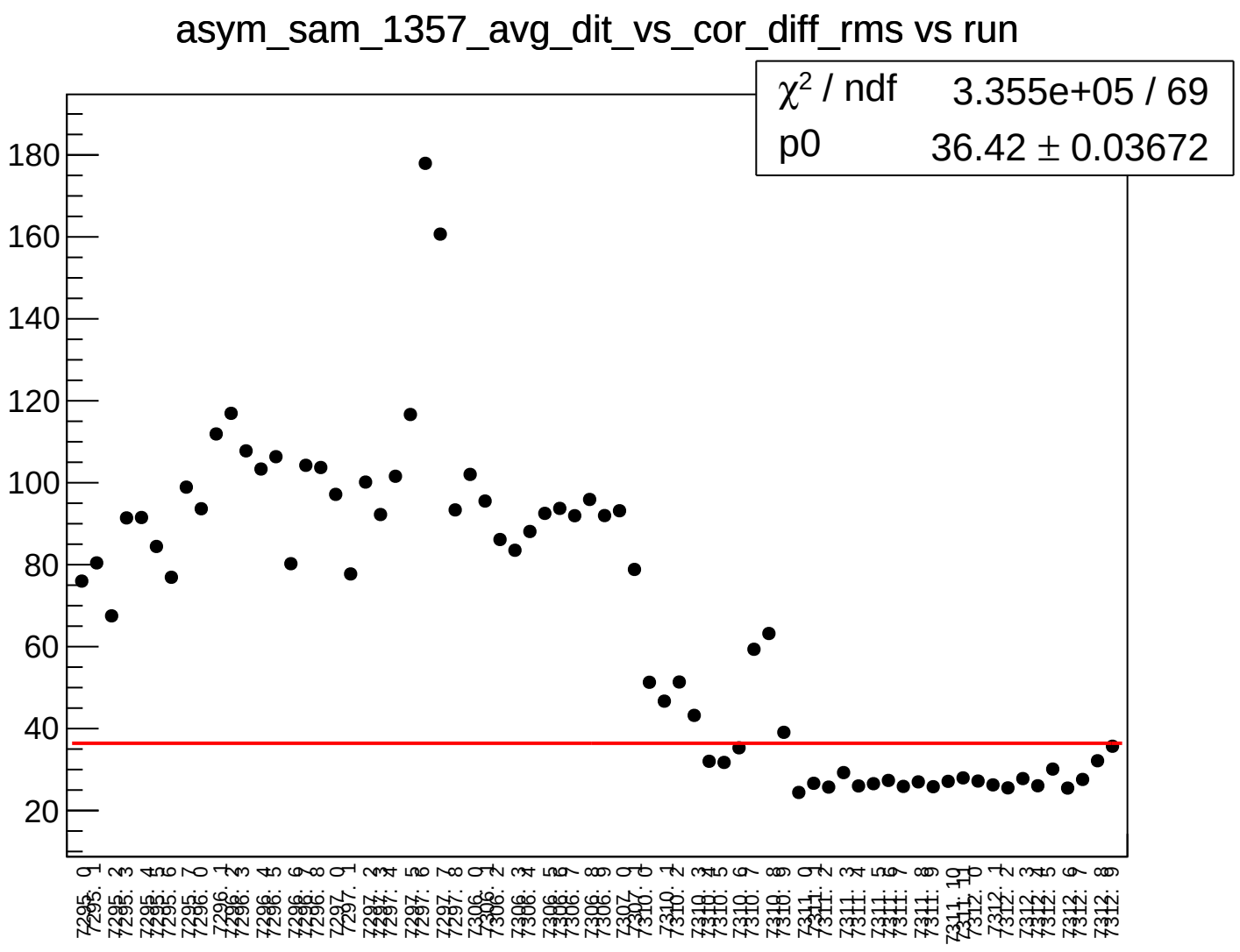

asym_sam_1357_avg_rms vs run
χ² / ndf 7008 / 69
p0 330.3 ± 0.2884
400
380
360
340
320
300
280

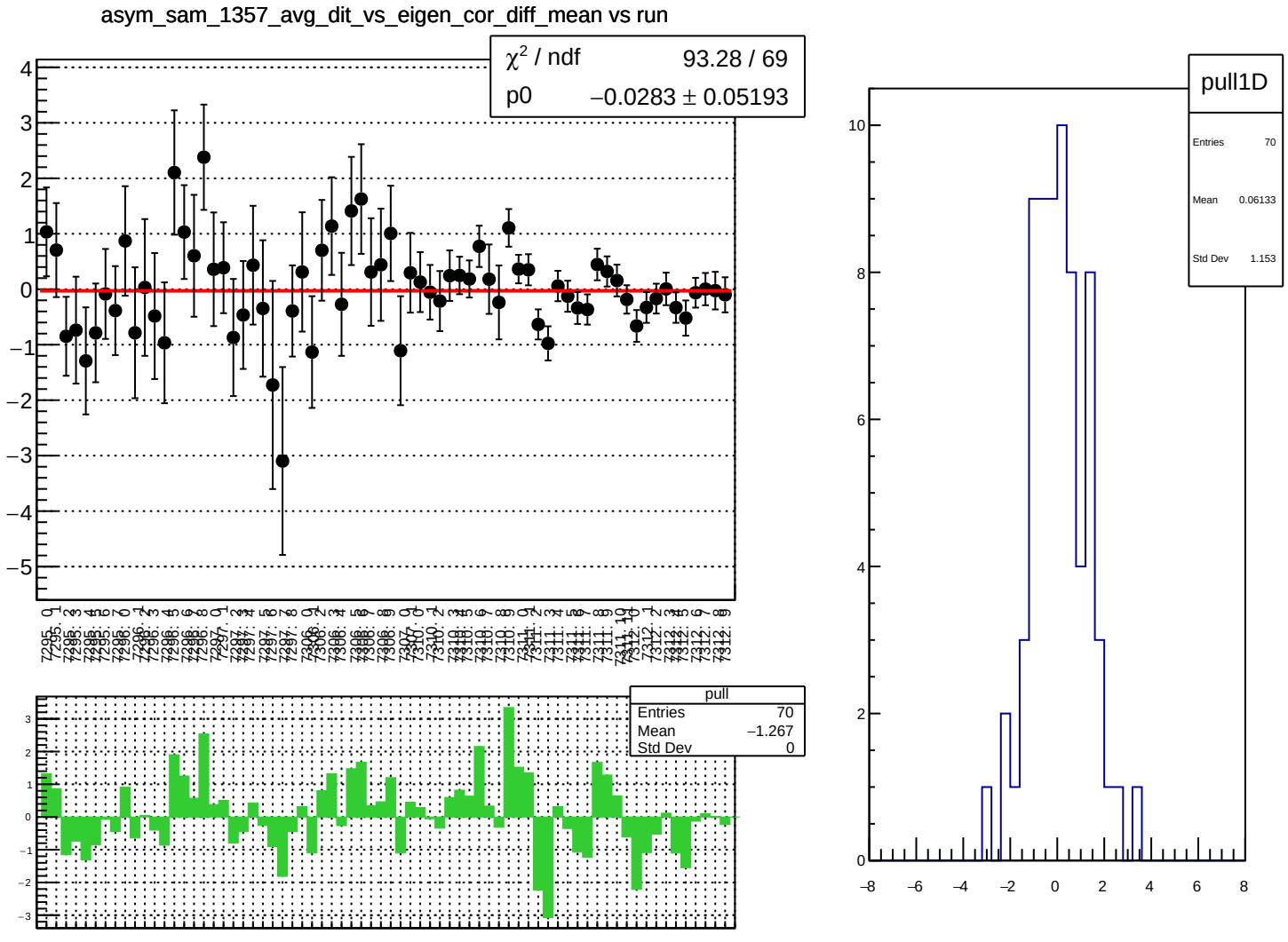

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 69.04 / 69
p0 −9.472e−15 ± 1.33e−14
pull
Entries 70
Mean 45.36
Std Dev 12.35

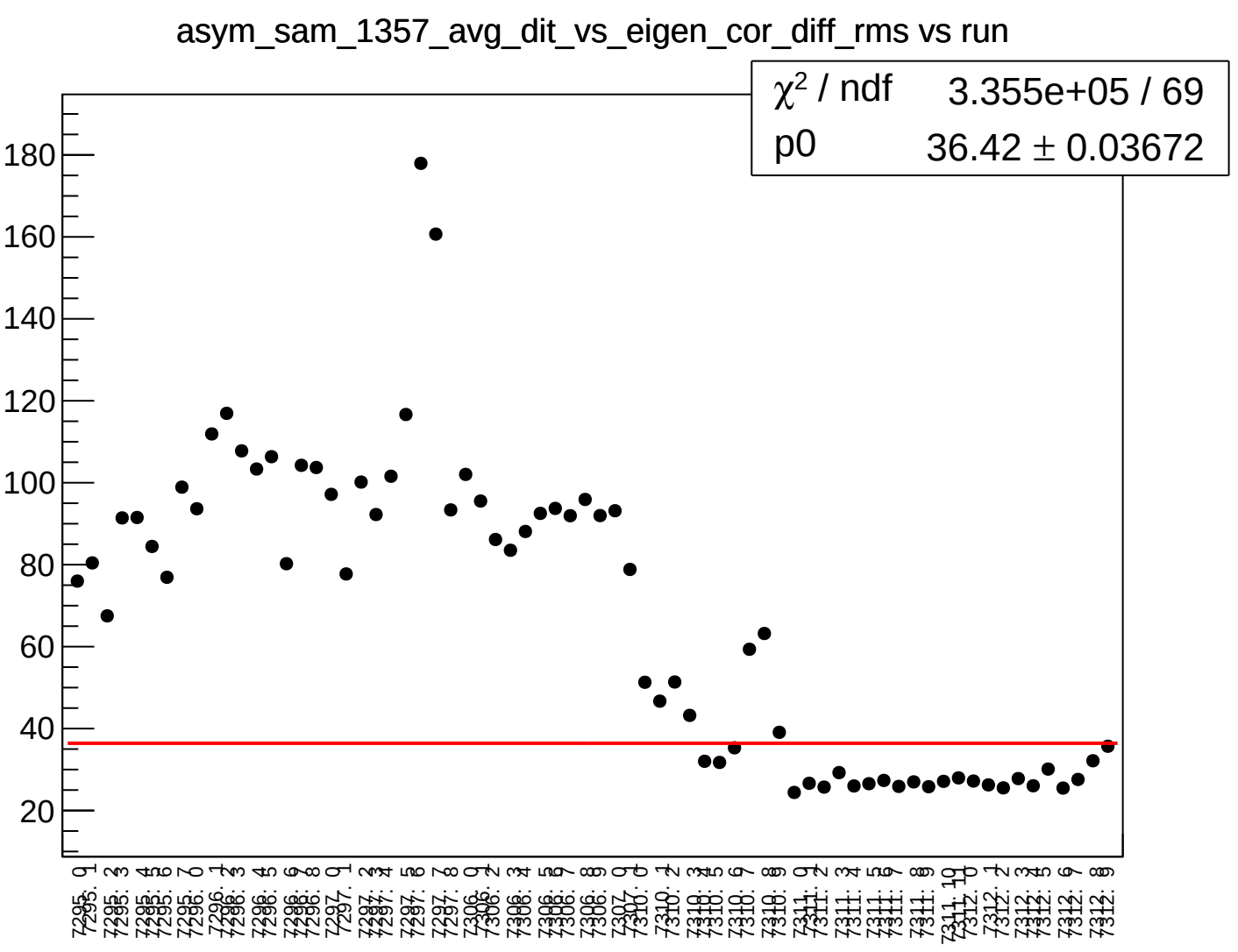

pull1D
Entries 70
Mean 0.1144
Std Dev 0.9865

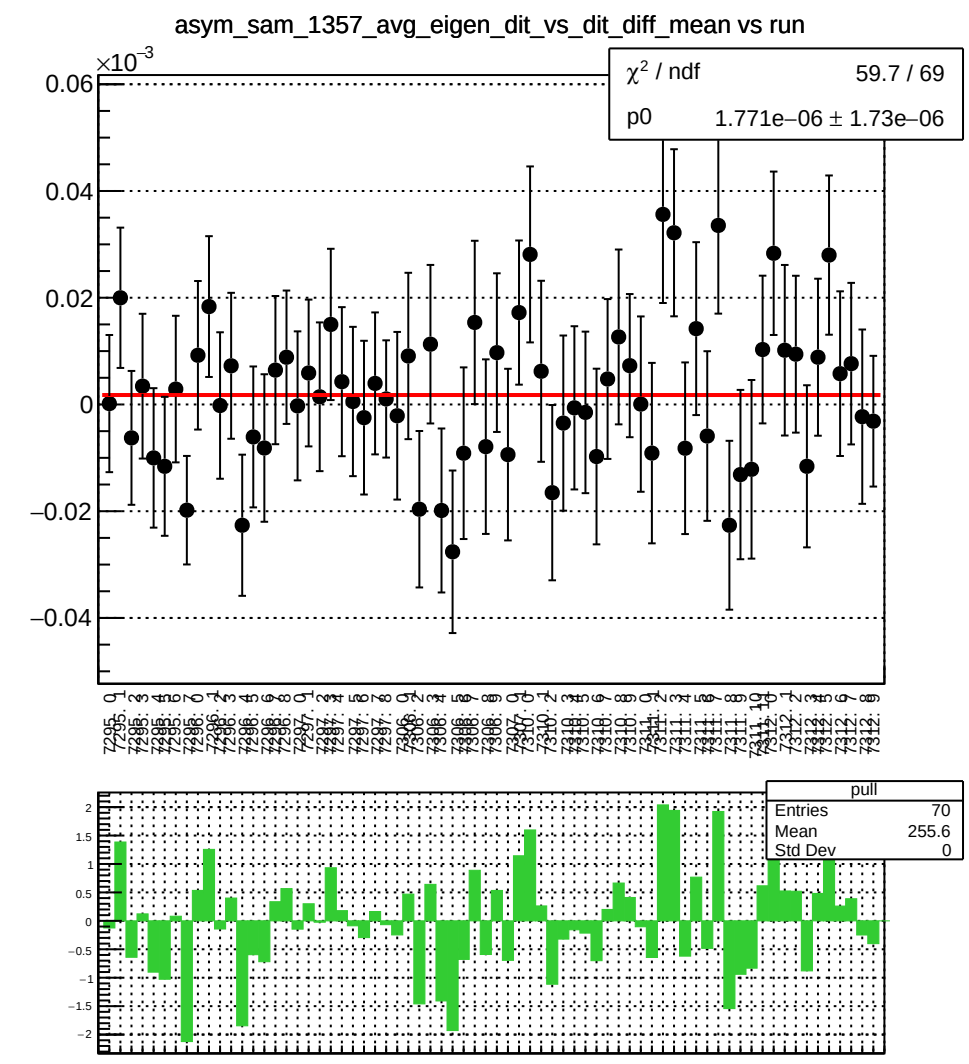

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.008e+05 / 69
p0 6.767e−12 ± 9.401e−15
0.05
0.04
0.03
0.02
0.01
0

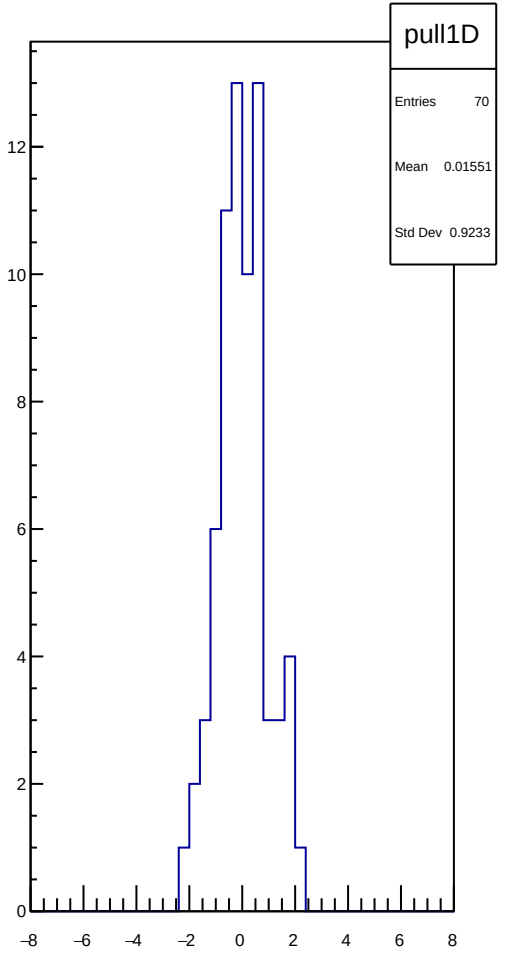

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 93.28 / 69
p0 −0.0283 ± 0.05193
pull
Entries 70
Mean −1.267
Std Dev 0
pull1D
Entries 70
Mean 0.06133
Std Dev 1.153

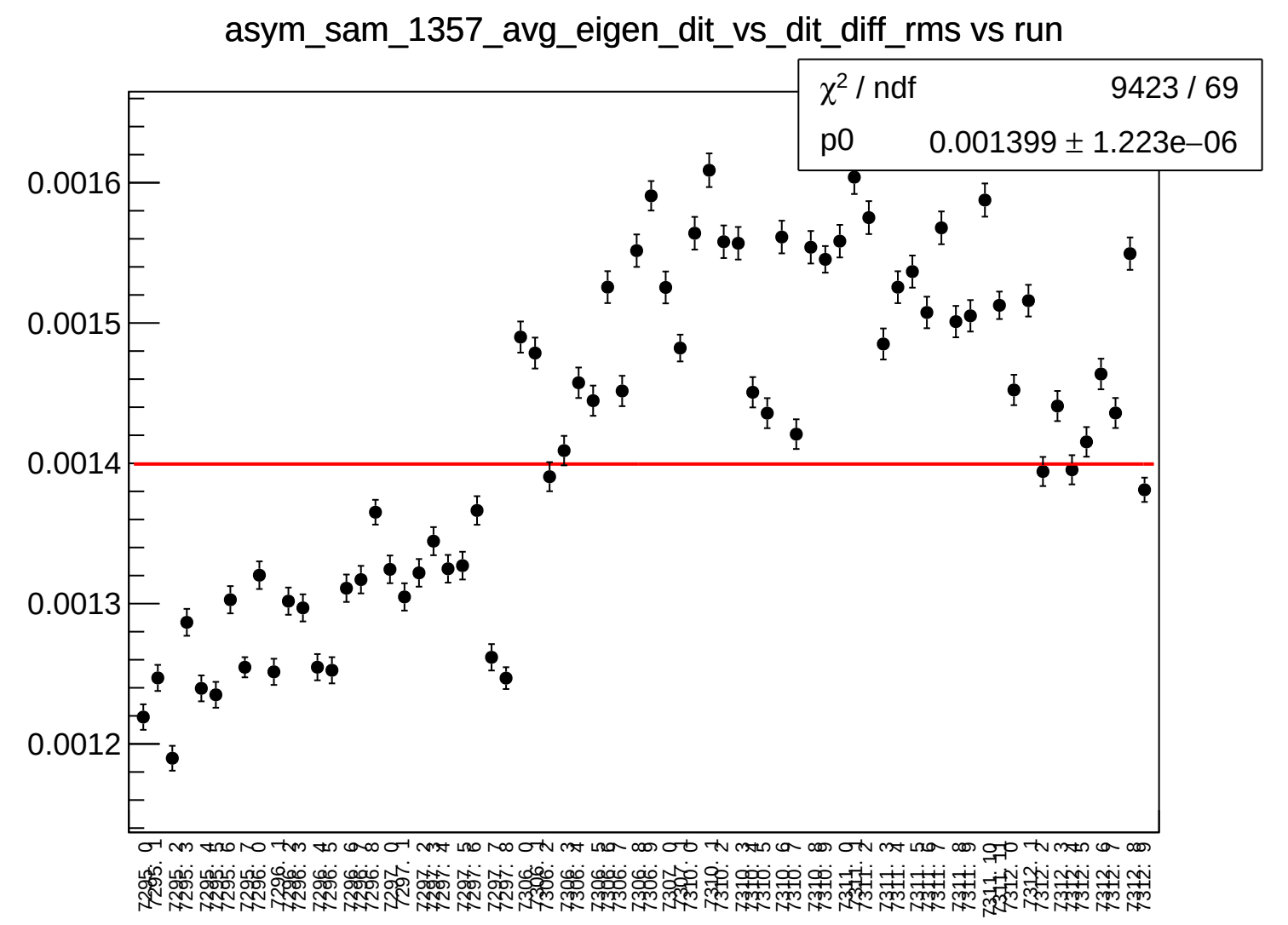

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.355e+05 / 69
p0 36.42 ± 0.03672
180
160
140
120
100
80
60
40
20

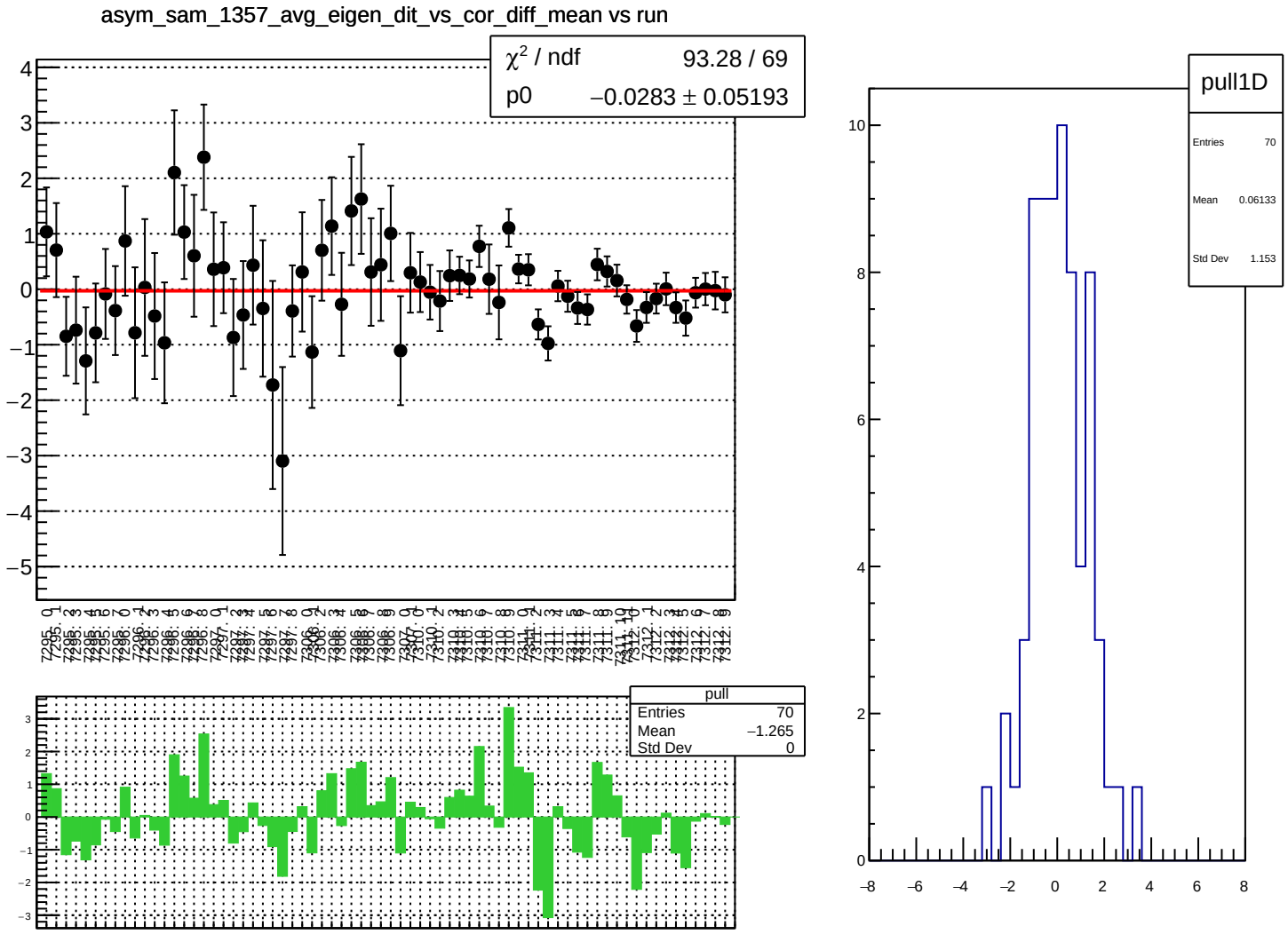

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.28 / 69
p0 −0.0283 ± 0.05193
pull
Entries 70
Mean −1.267
Std Dev 0
pull1D
Entries 70
Mean 0.06133
Std Dev 1.153

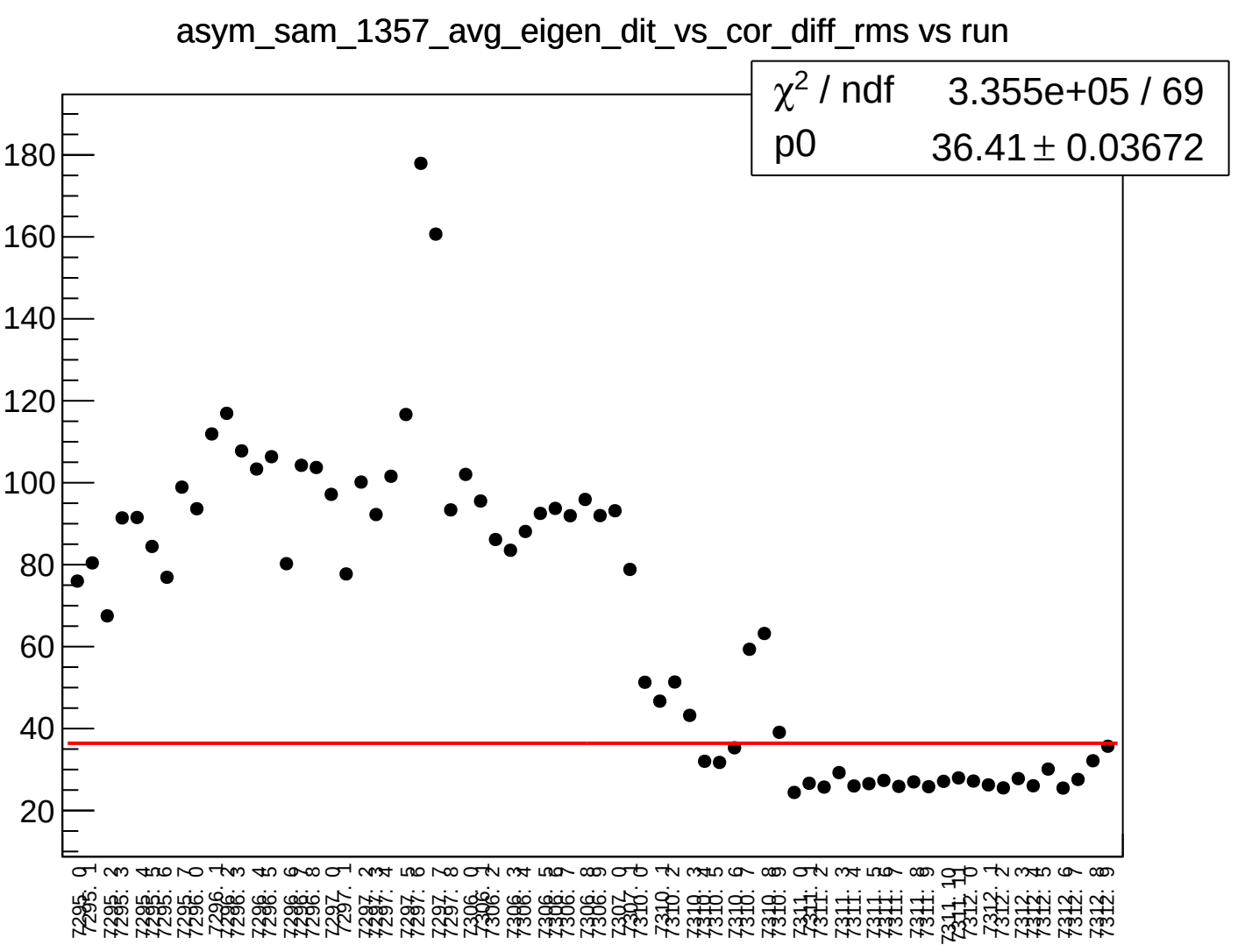

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.355e+05 / 69
p0 36.42 ± 0.03672
180
160
140
120
100
80
60
40
20

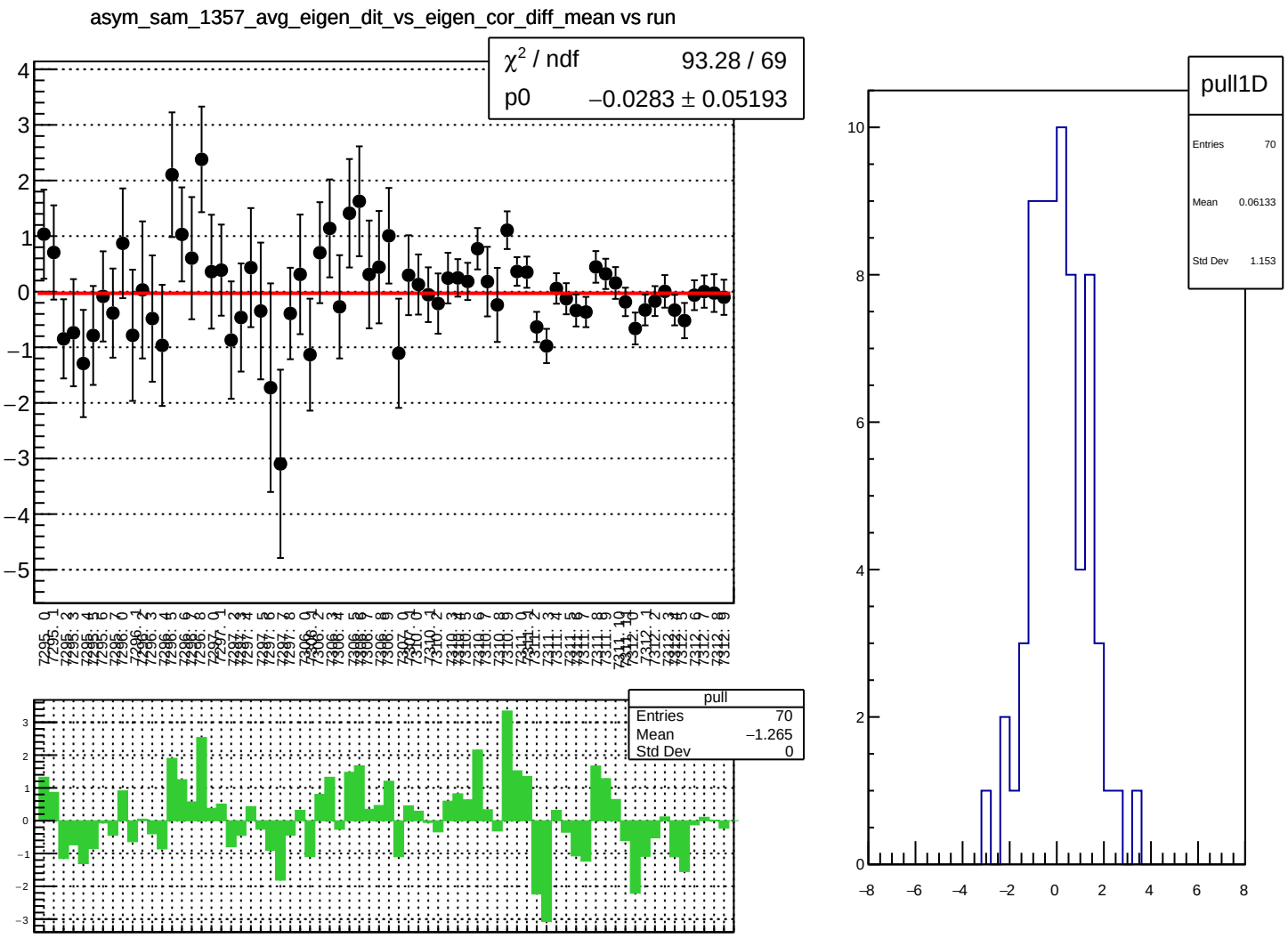

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.7 / 69
p0 1.771e−06 ± 1.73e−06
pull
Entries 70
Mean 255.6
Std Dev 0

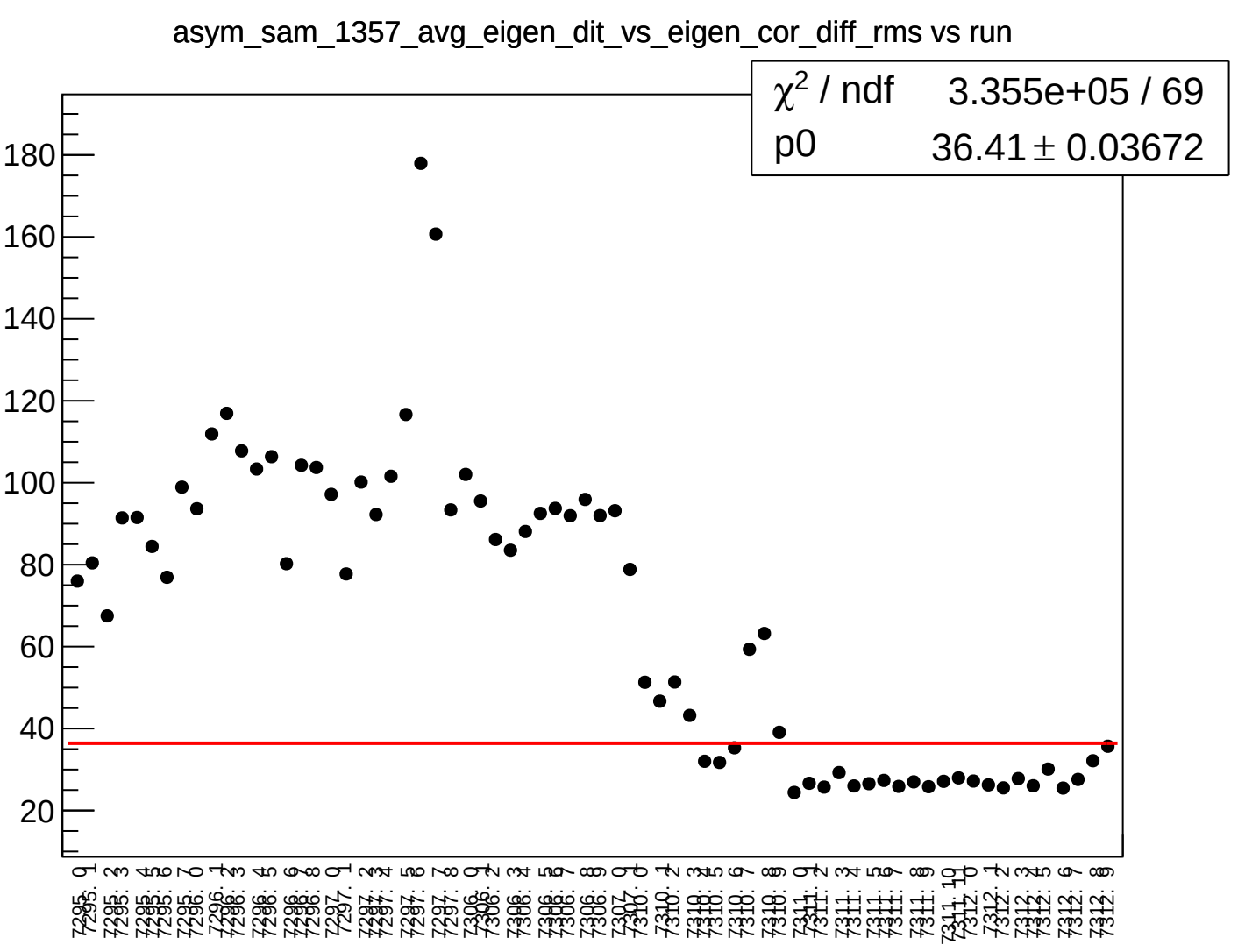

pull1D
Entries 70
Mean 0.01551
Std Dev 0.9233

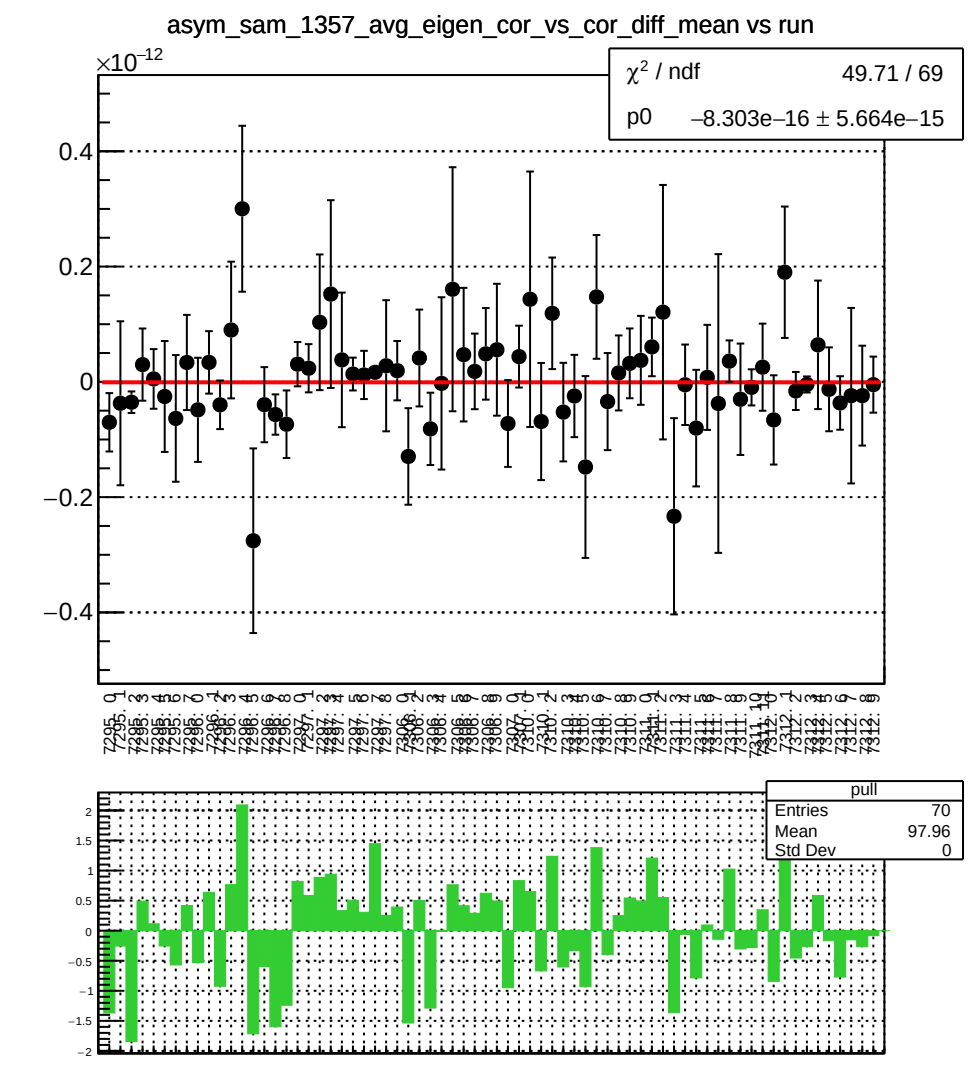

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9423 / 69
p0 0.001399 ± 1.223e−06
0.0016
0.0015
0.0014
0.0013
0.0012

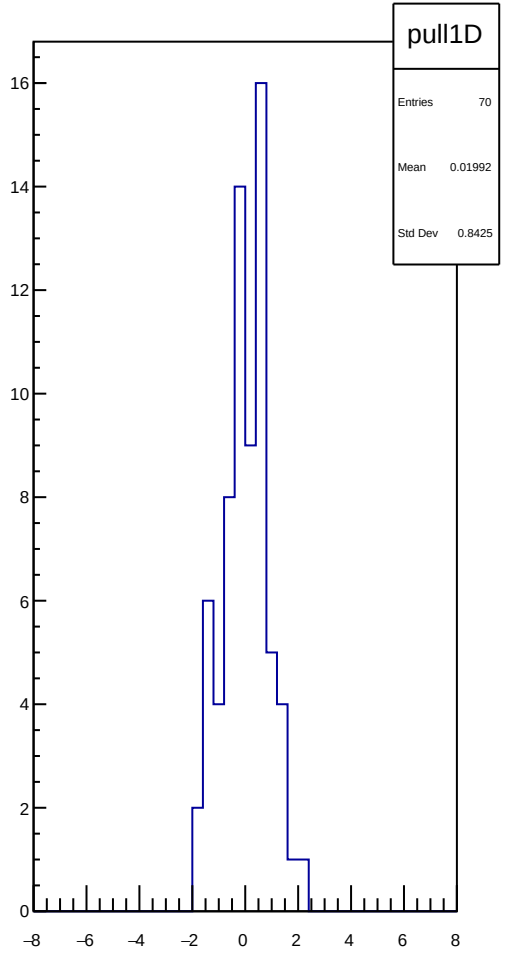

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.28 / 69
p0 −0.0283 ± 0.05193
pull
Entries 70
Mean −1.265
Std Dev 0
pull1D
Entries 70
Mean 0.06133
Std Dev 1.153

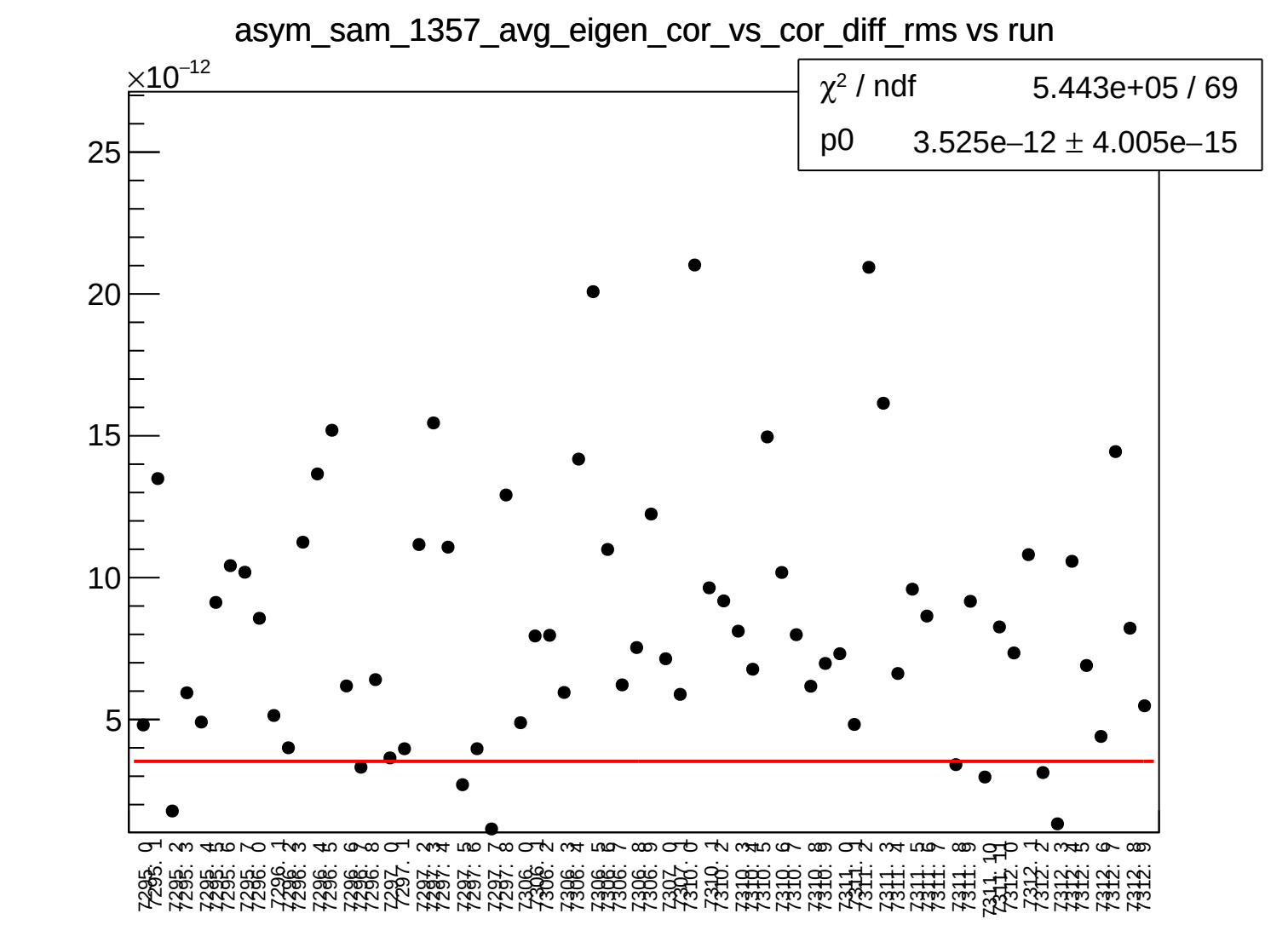

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.355e+05 / 69
p0 36.41 ± 0.03672
180
160
140
120
100
80
60
40
20

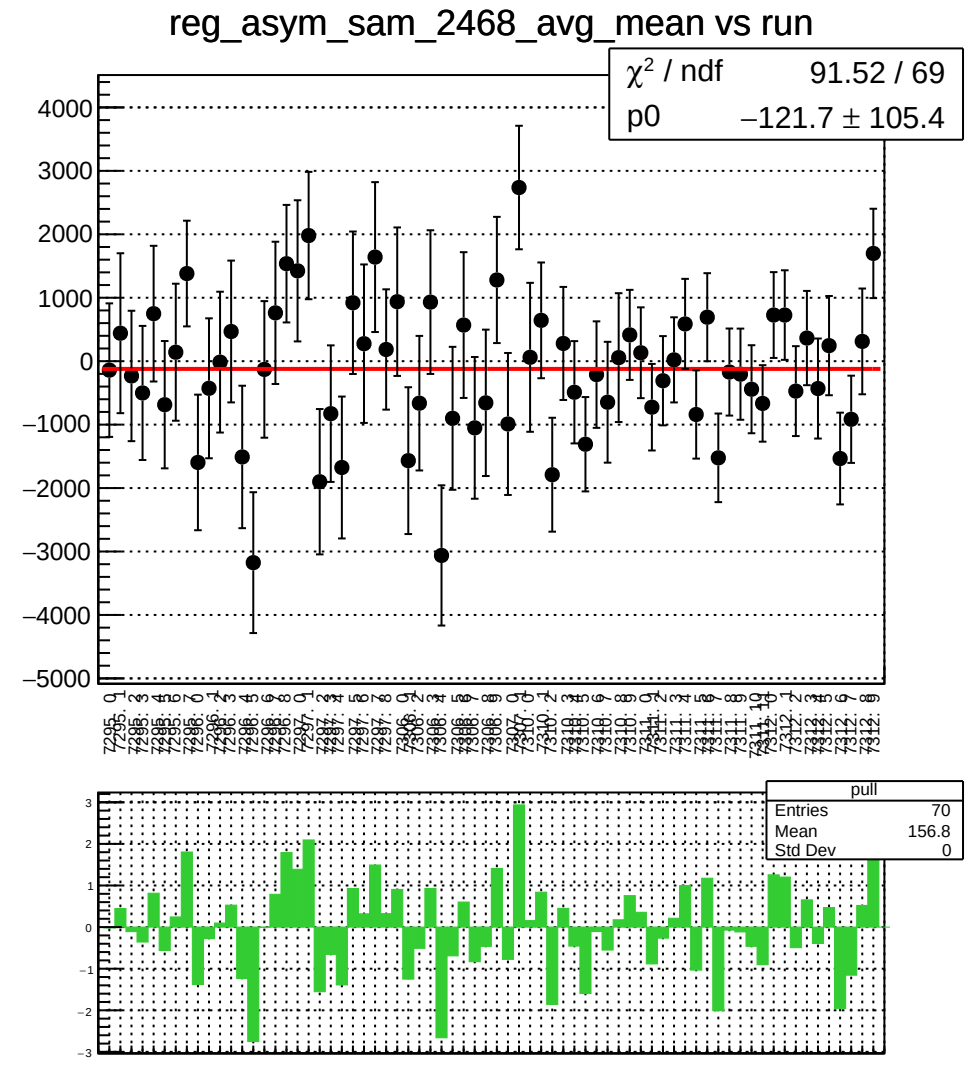

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.28 / 69
p0 −0.0283 ± 0.05193
pull
Entries 70
Mean −1.265
Std Dev 0
pull1D
Entries 70
Mean 0.06133
Std Dev 1.153

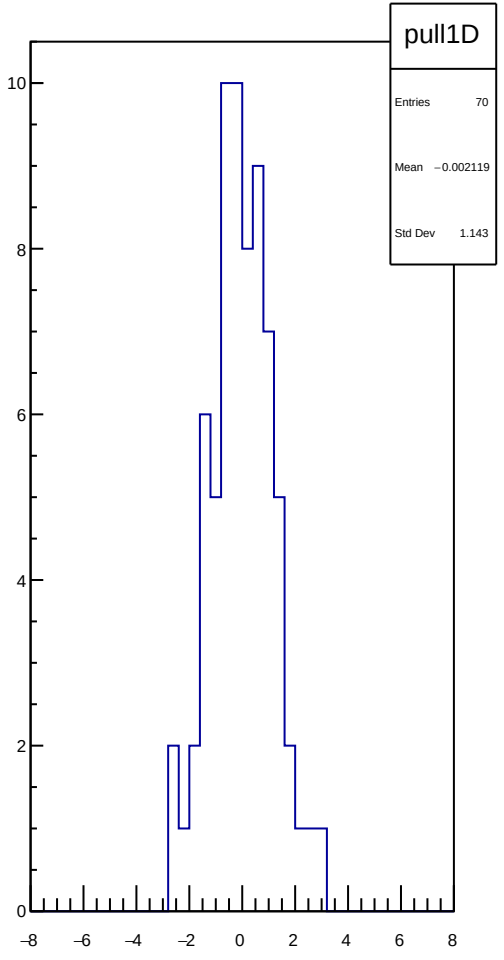

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.355e+05 / 69
p0 36.41 ± 0.03672
180
160
140
120
100
80
60
40
20

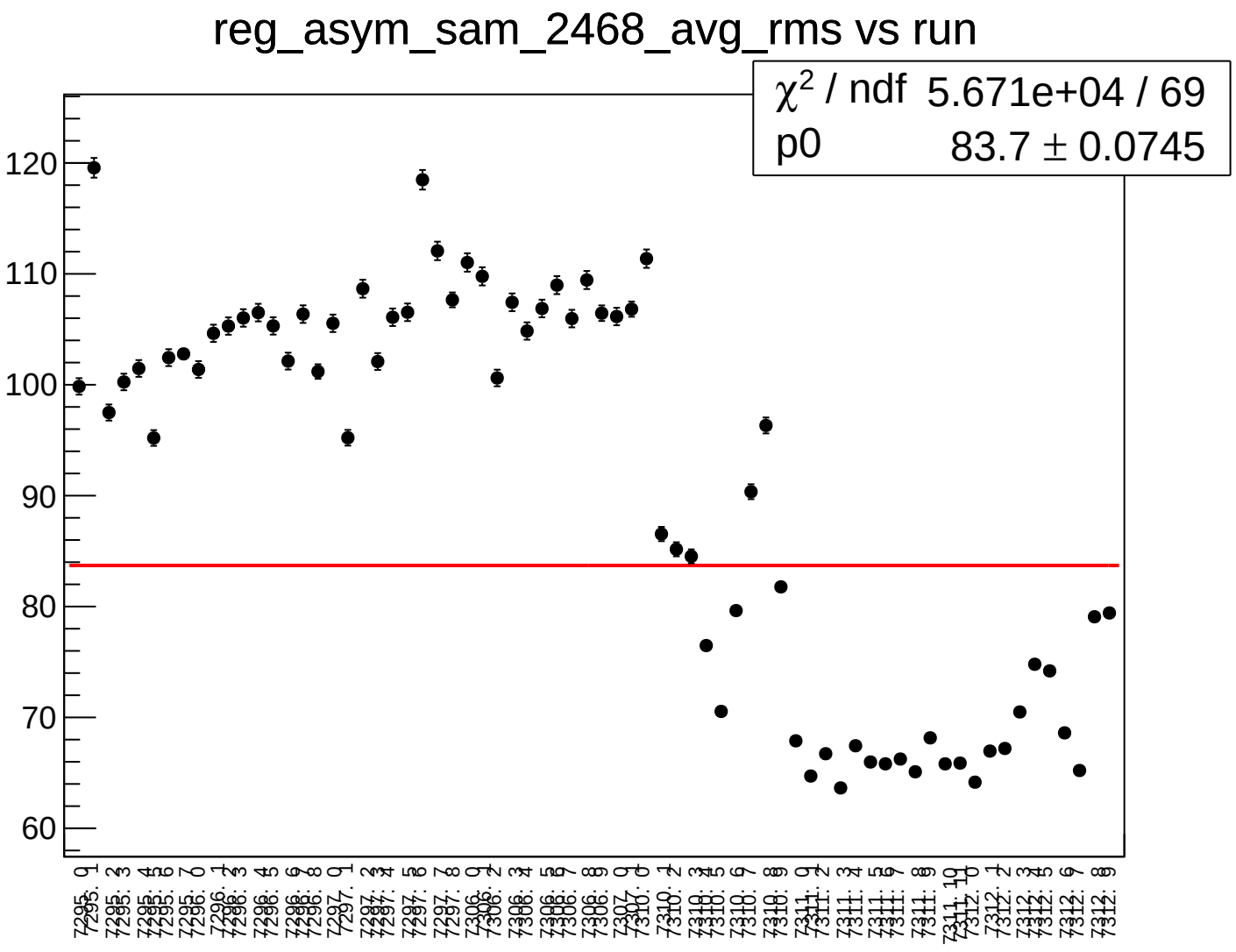

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.71 / 69
p0 −8.303e−16 ± 5.664e−15
pull
Entries 70
Mean 97.96
Std Dev 0

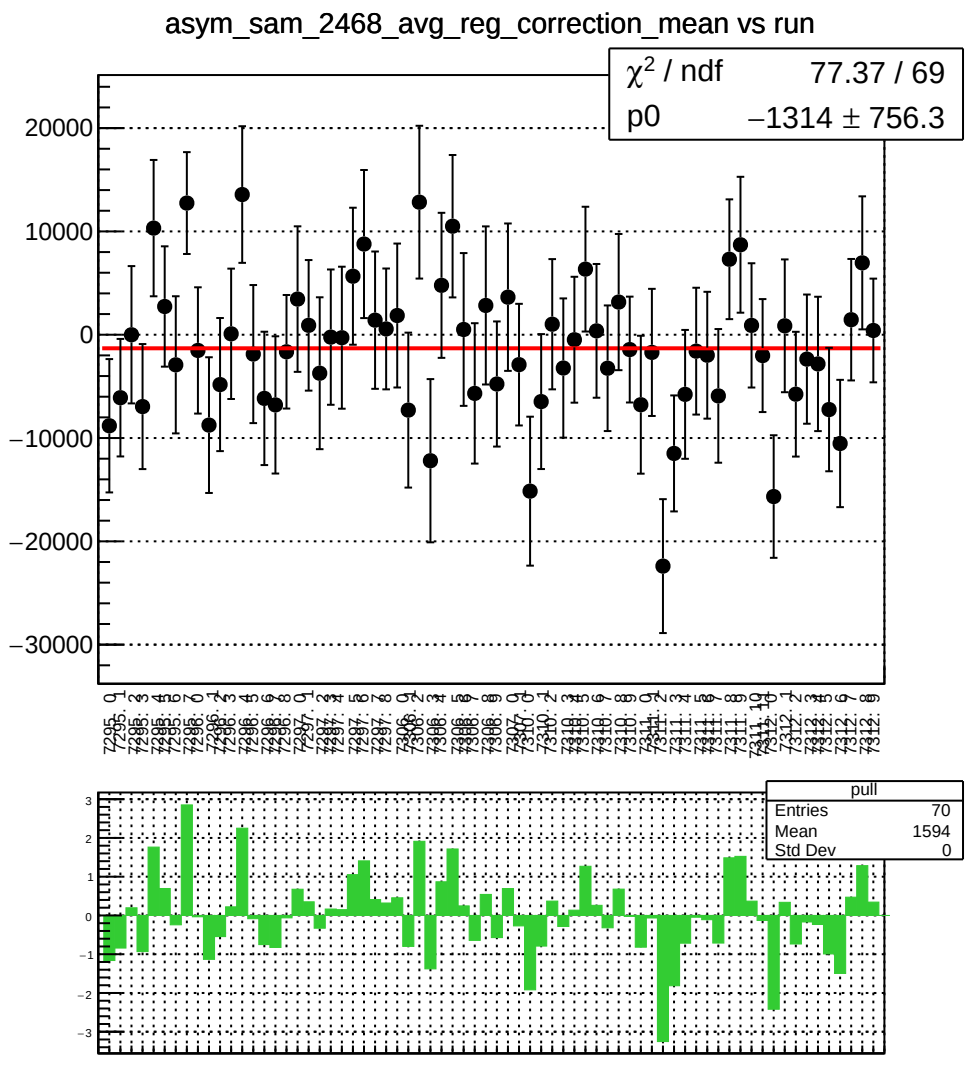

pull1D
Entries 70
Mean 0.01992
Std Dev 0.8425

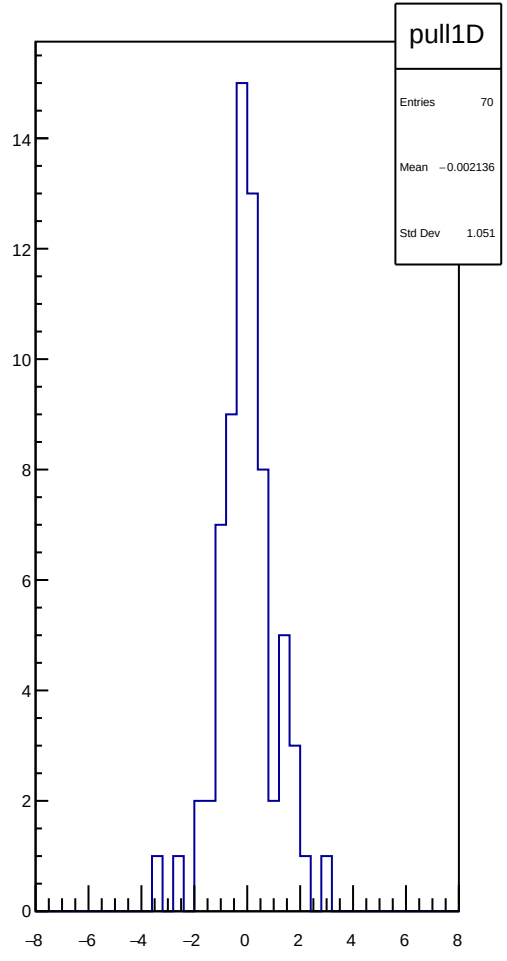

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.443e+05 / 69
p0 3.525e−12 ± 4.005e−15
25
20
15
10
5

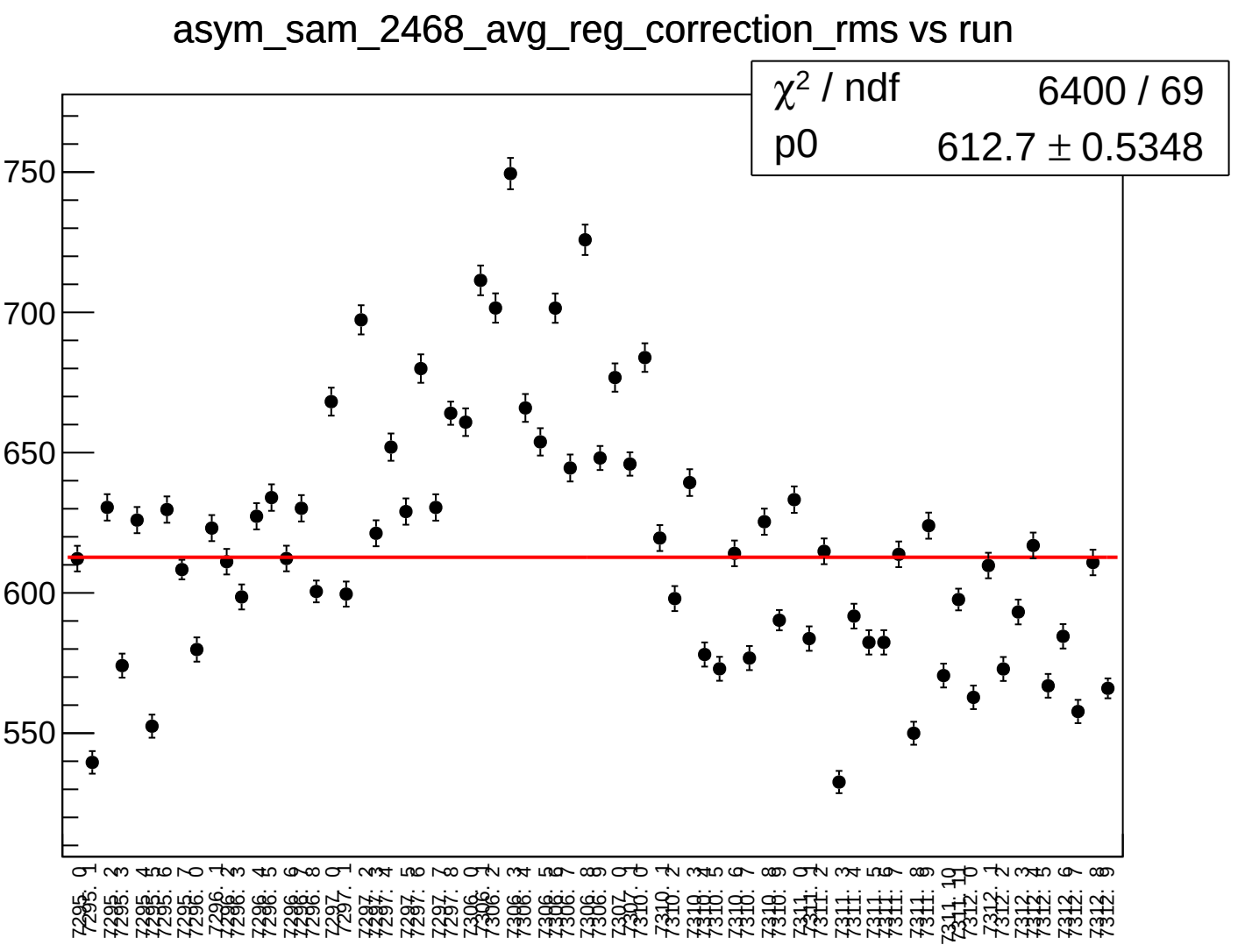

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 91.52 / 69
p0 −121.7 ± 105.4
pull
Entries 70
Mean 156.8
Std Dev 0

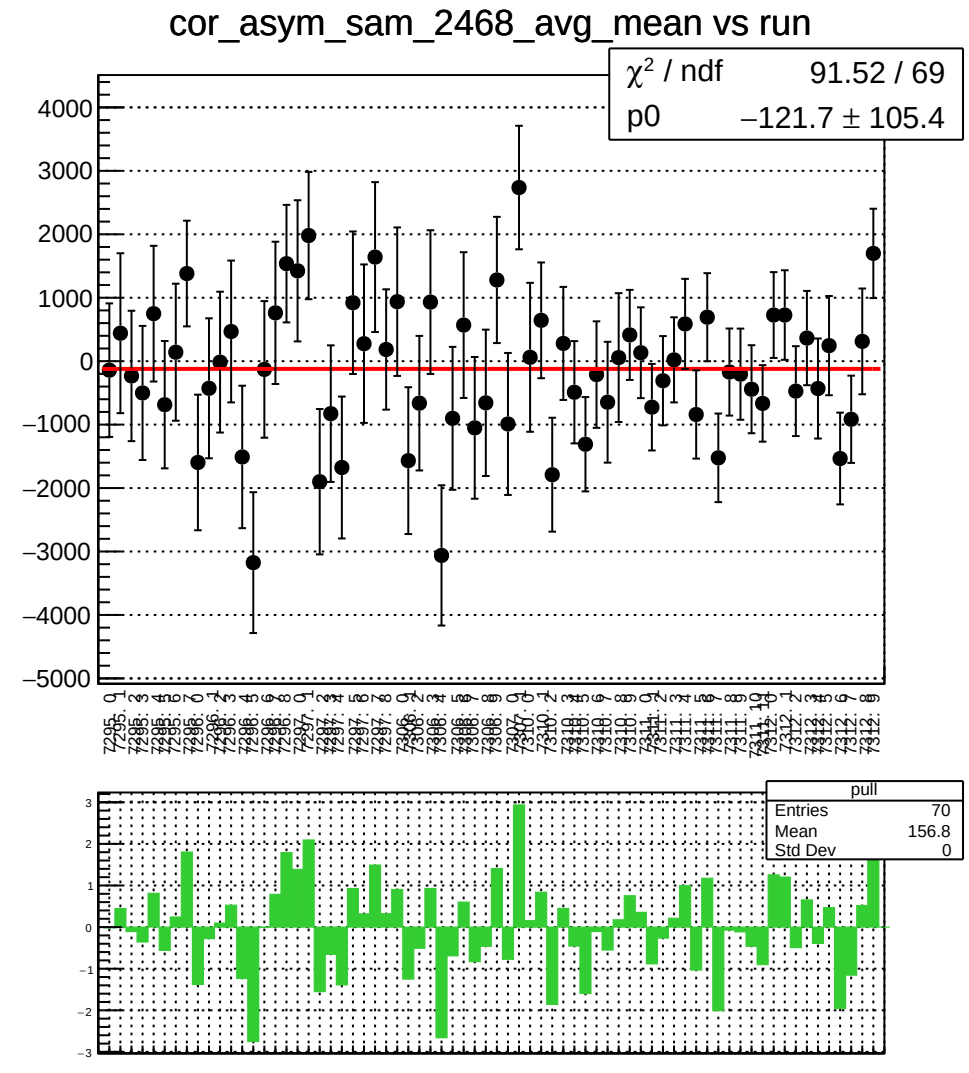

pull1D
Entries 70
Mean −0.002119
Std Dev 1.143

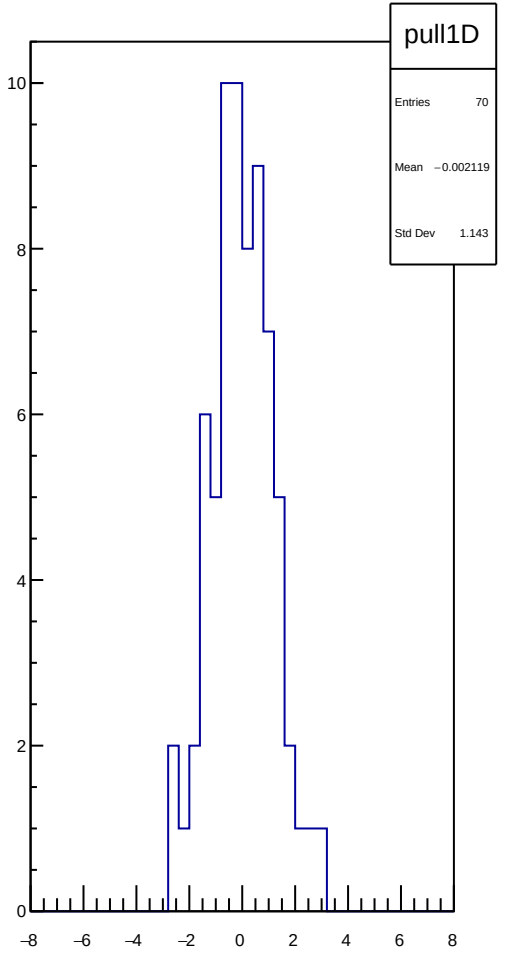

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.671e+04 / 69
p0 83.7 ± 0.0745
120
110
100
90
80
70
60

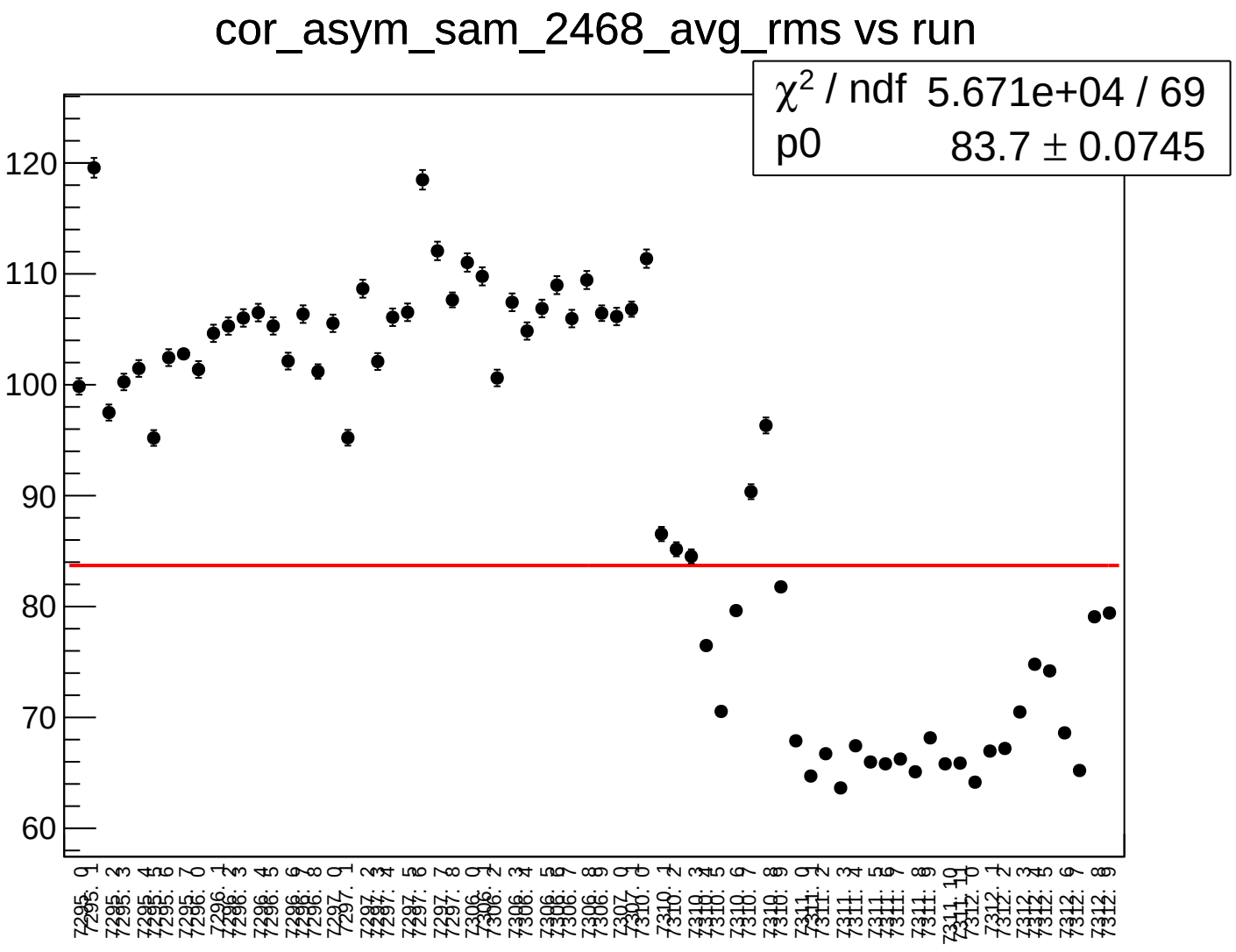

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 77.37 / 69
p0 −1314 ± 756.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1594
Std Dev 0
3
2
1
0
−1
−2
−3

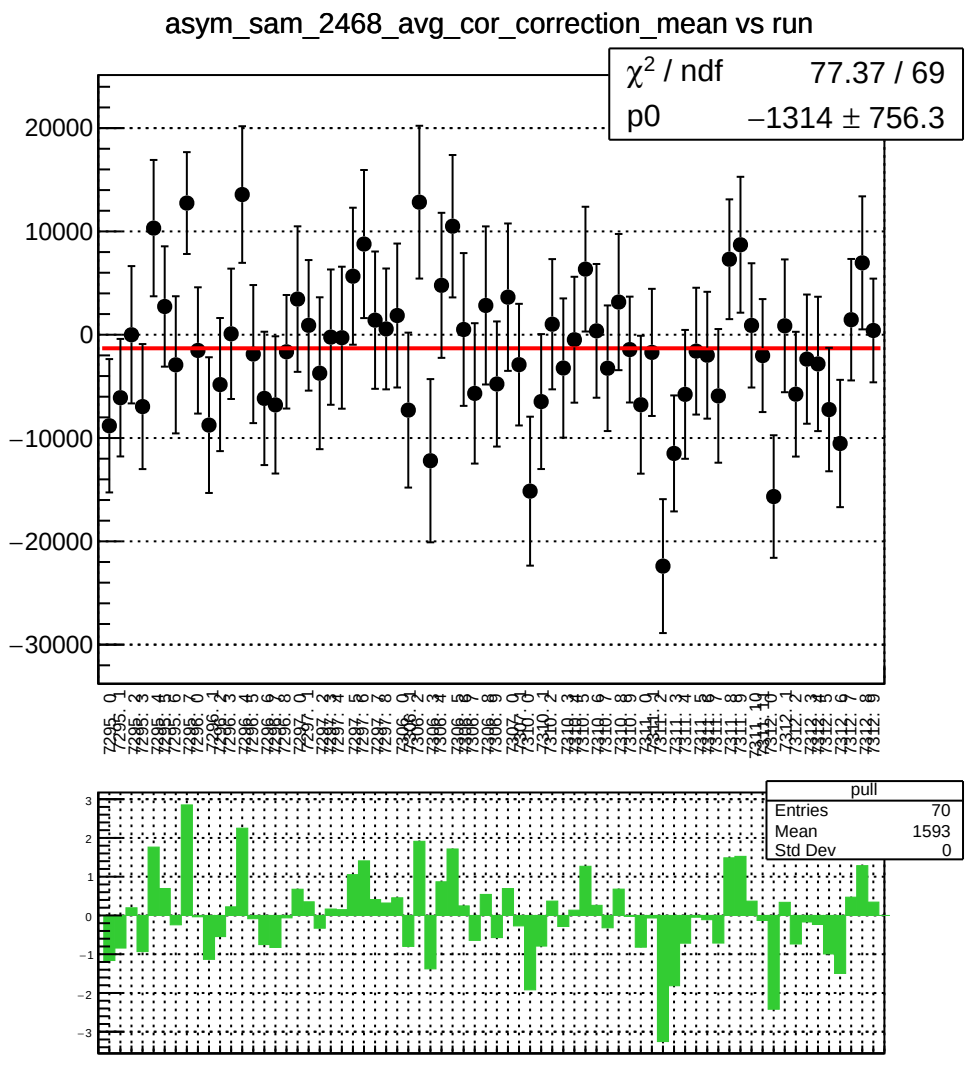

pull1D
Entries 70
Mean −0.002136
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

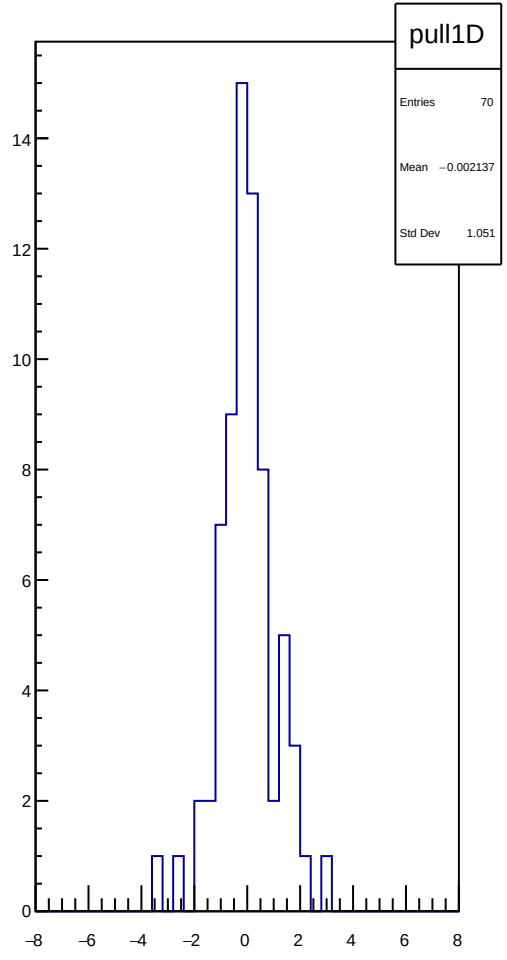

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 6400 / 69
p0 612.7 ± 0.5348
750
700
650
600
550

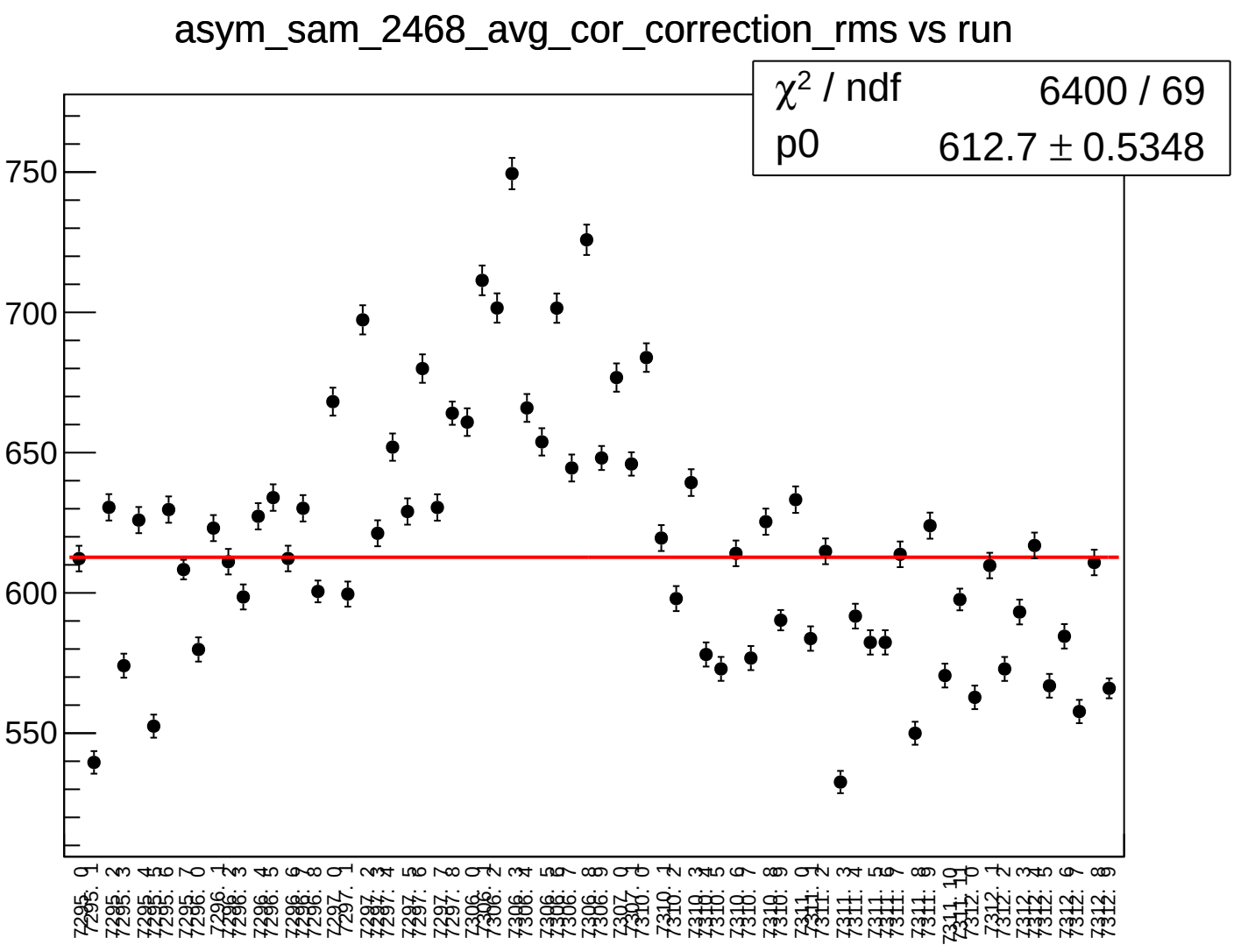

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 91.52 / 69
p0 −121.7 ± 105.4
pull
Entries 70
Mean 156.8
Std Dev 0

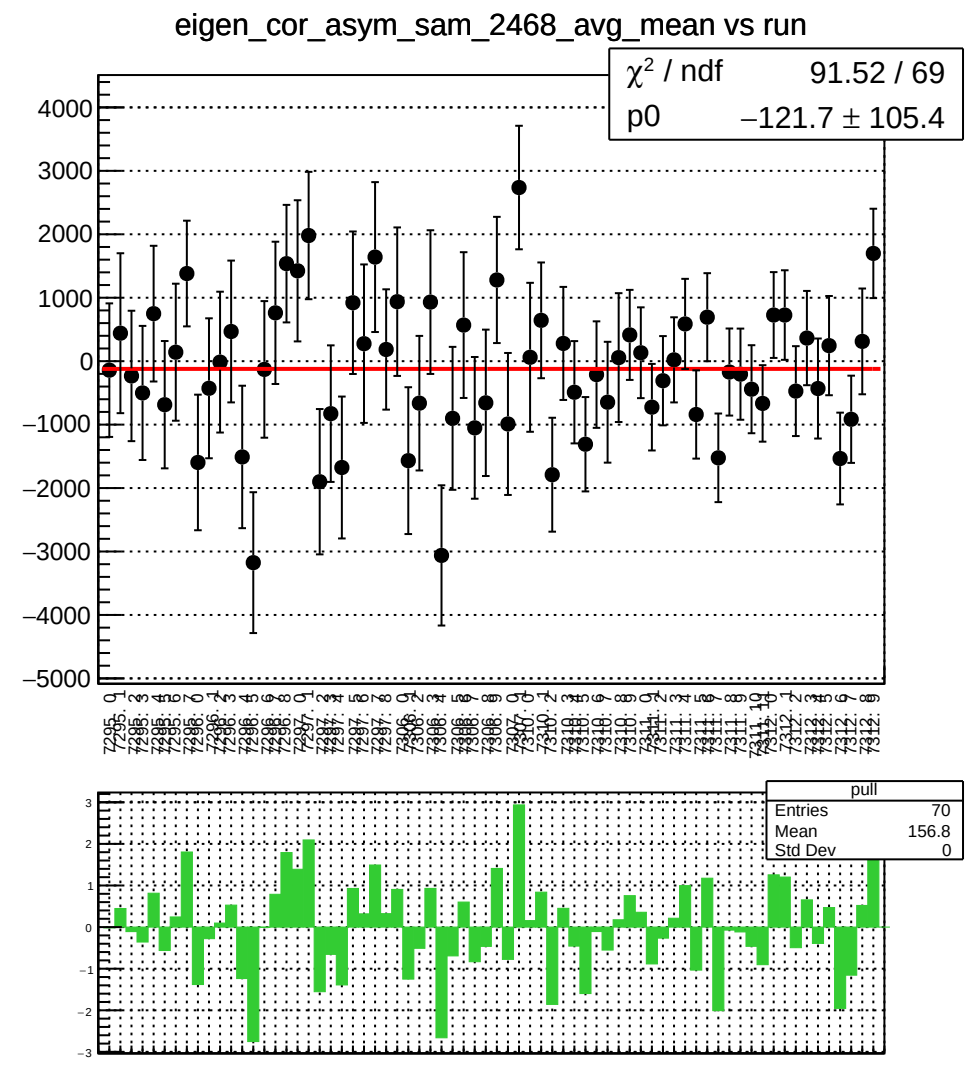

pull1D
Entries 70
Mean −0.002119
Std Dev 1.143

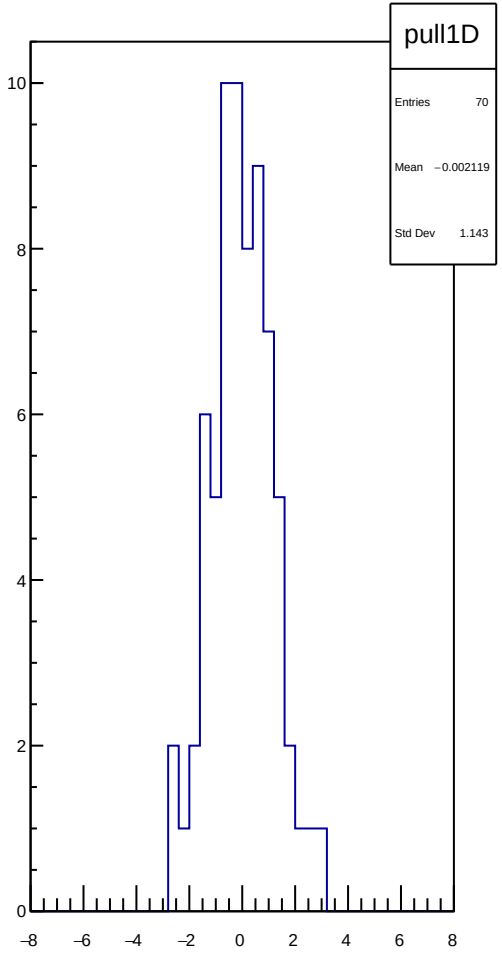

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.671e+04 / 69
p0 83.7 ± 0.0745
120
110
100
90
80
70
60

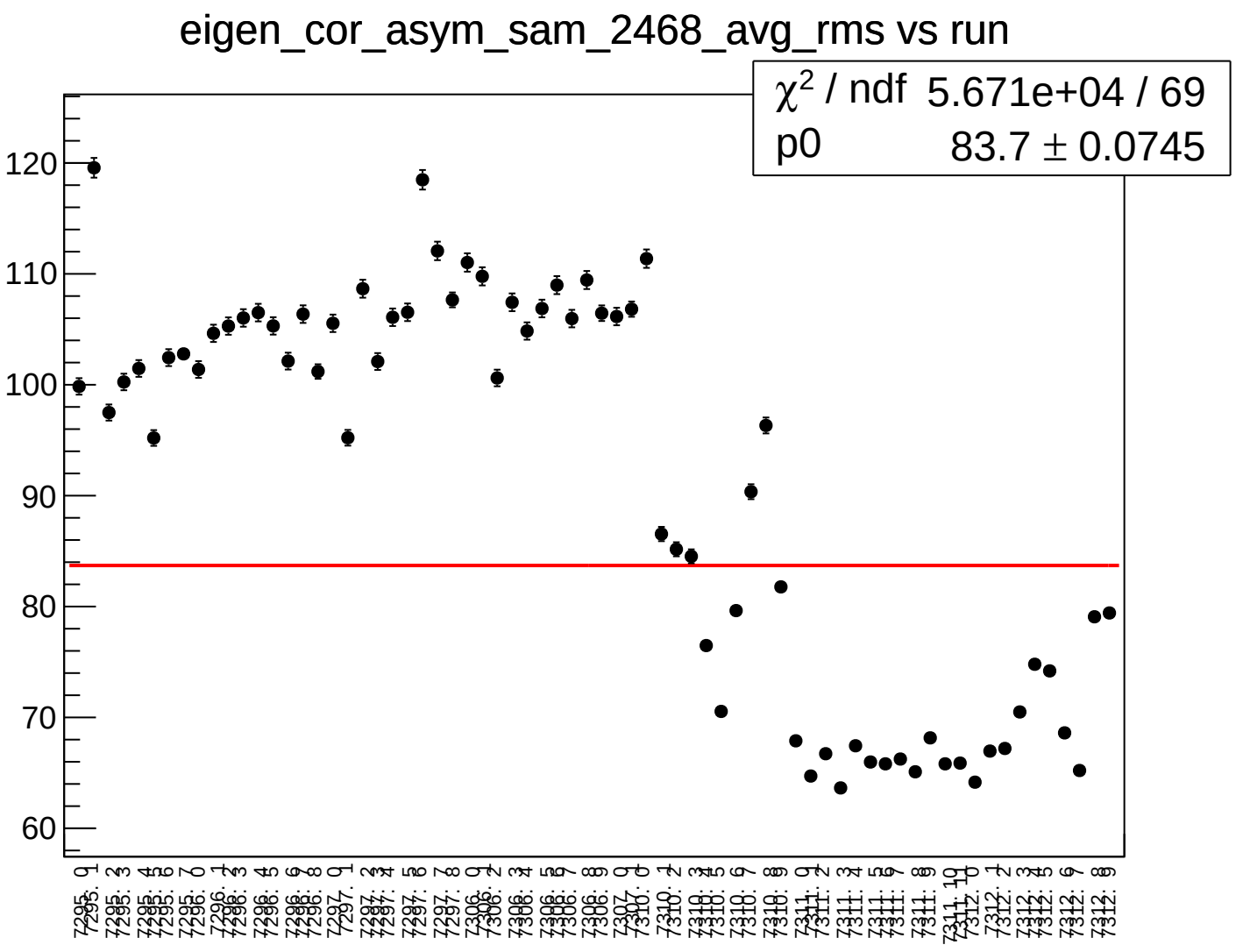

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 77.37 / 69
p0 −1314 ± 756.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1593
Std Dev 0
3
2
1
0
−1
−2
−3

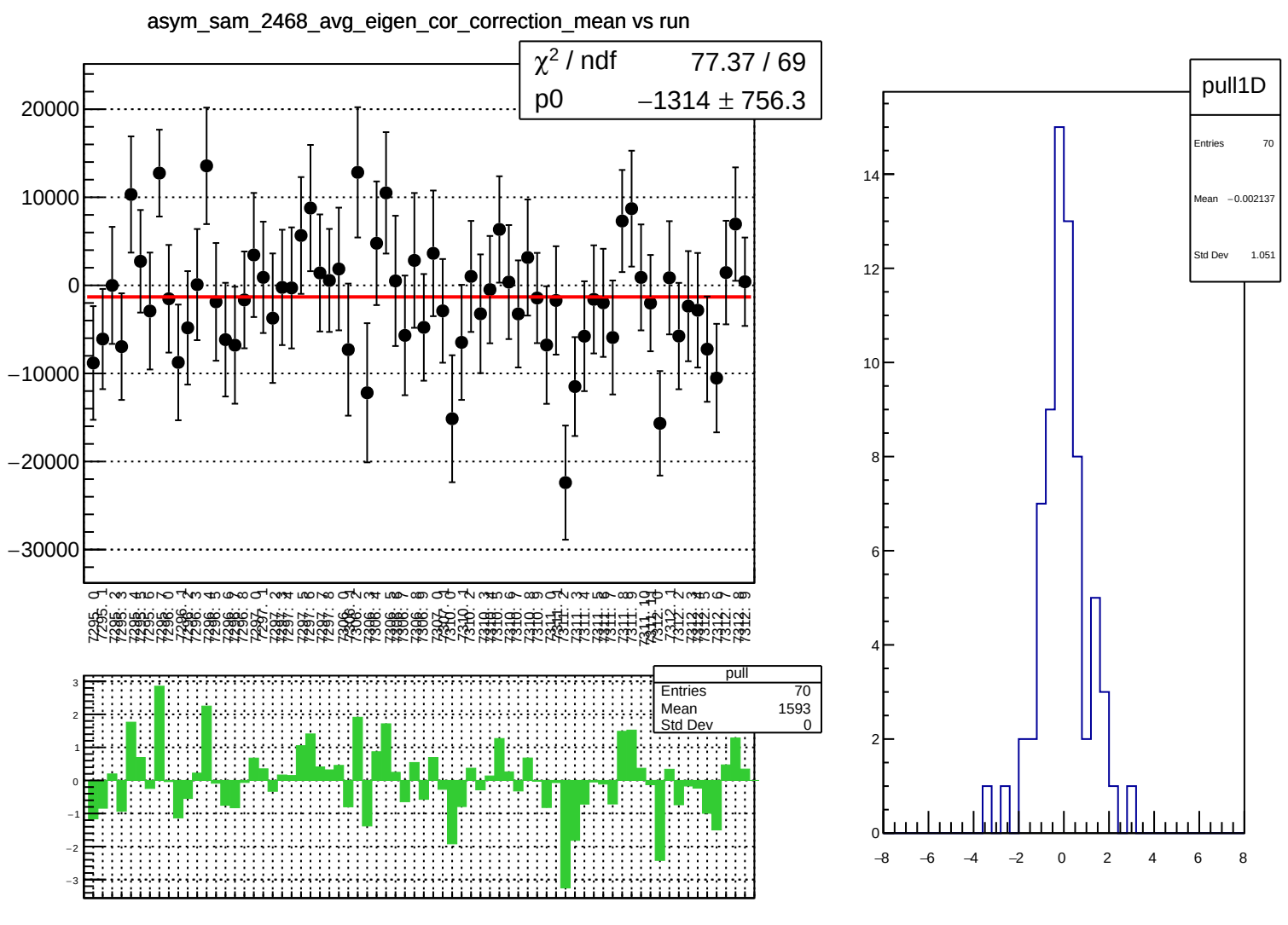

pull1D
Entries 70
Mean −0.002137
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

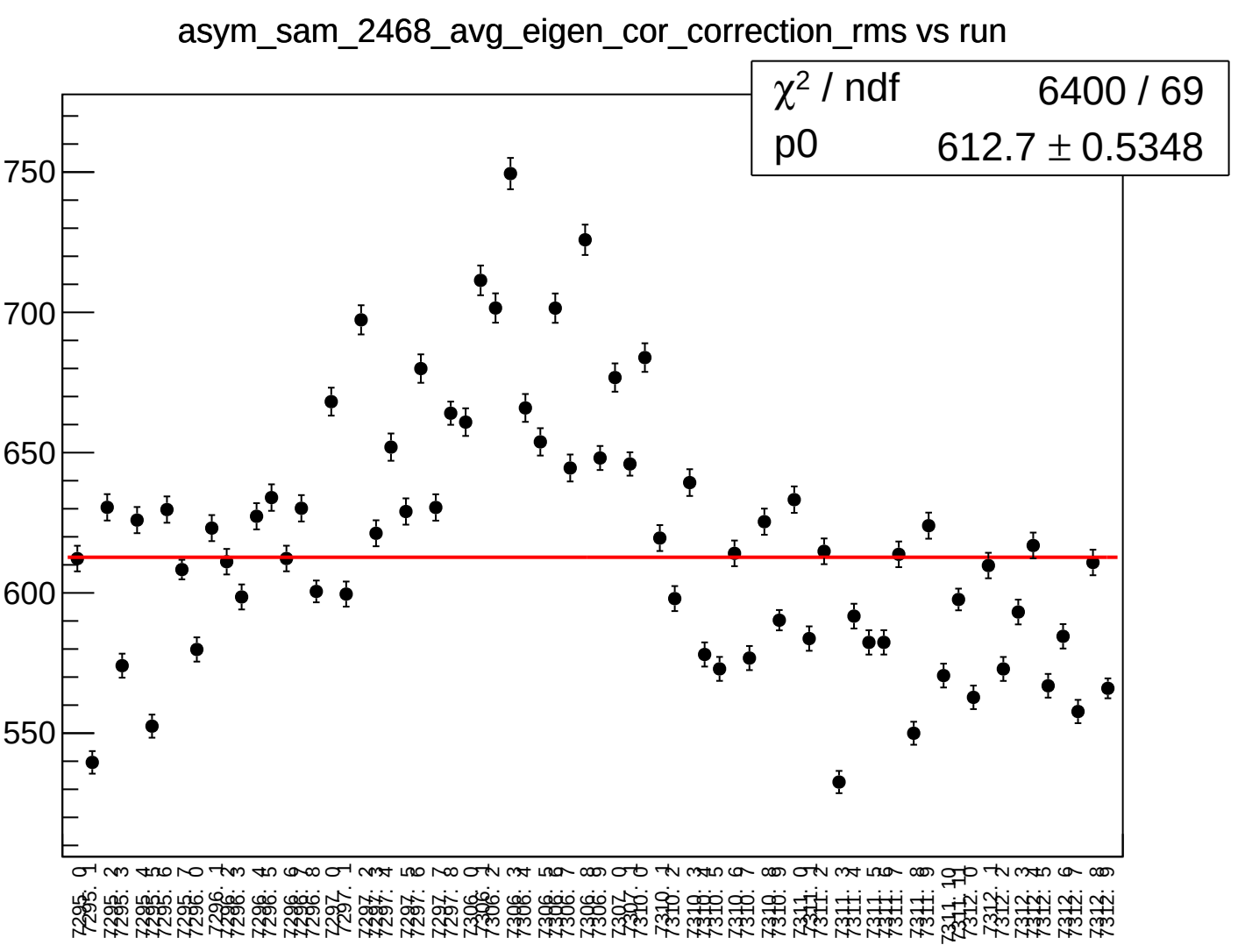

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 6400 / 69
p0 612.7 ± 0.5348
750
700
650
600
550

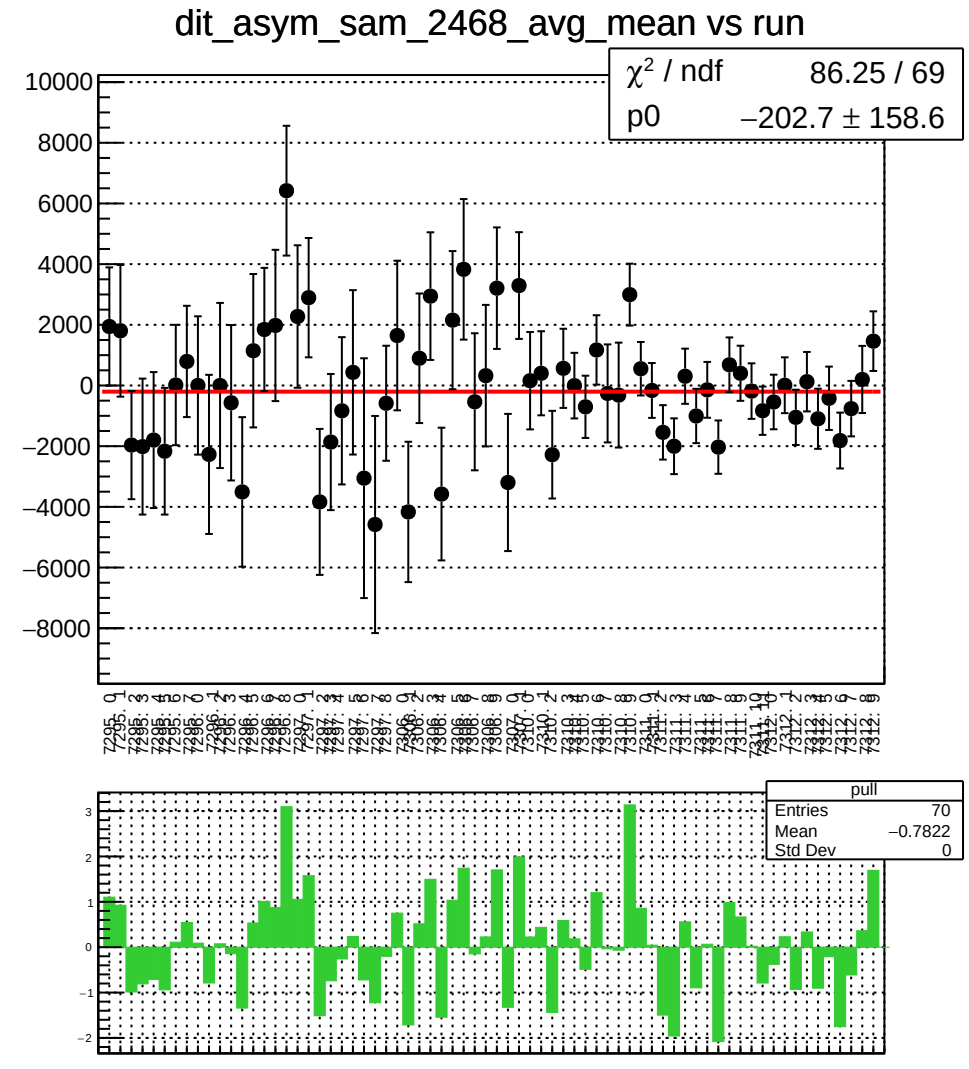

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 91.52 / 69
p0 −121.7 ± 105.4
pull
Entries 70
Mean 156.8
Std Dev 0

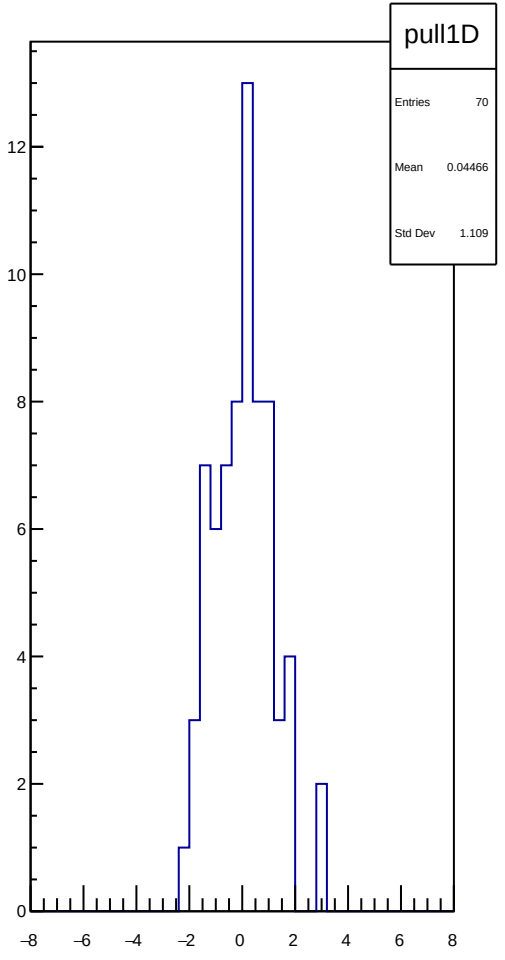

pull1D
Entries 70
Mean −0.002119
Std Dev 1.143

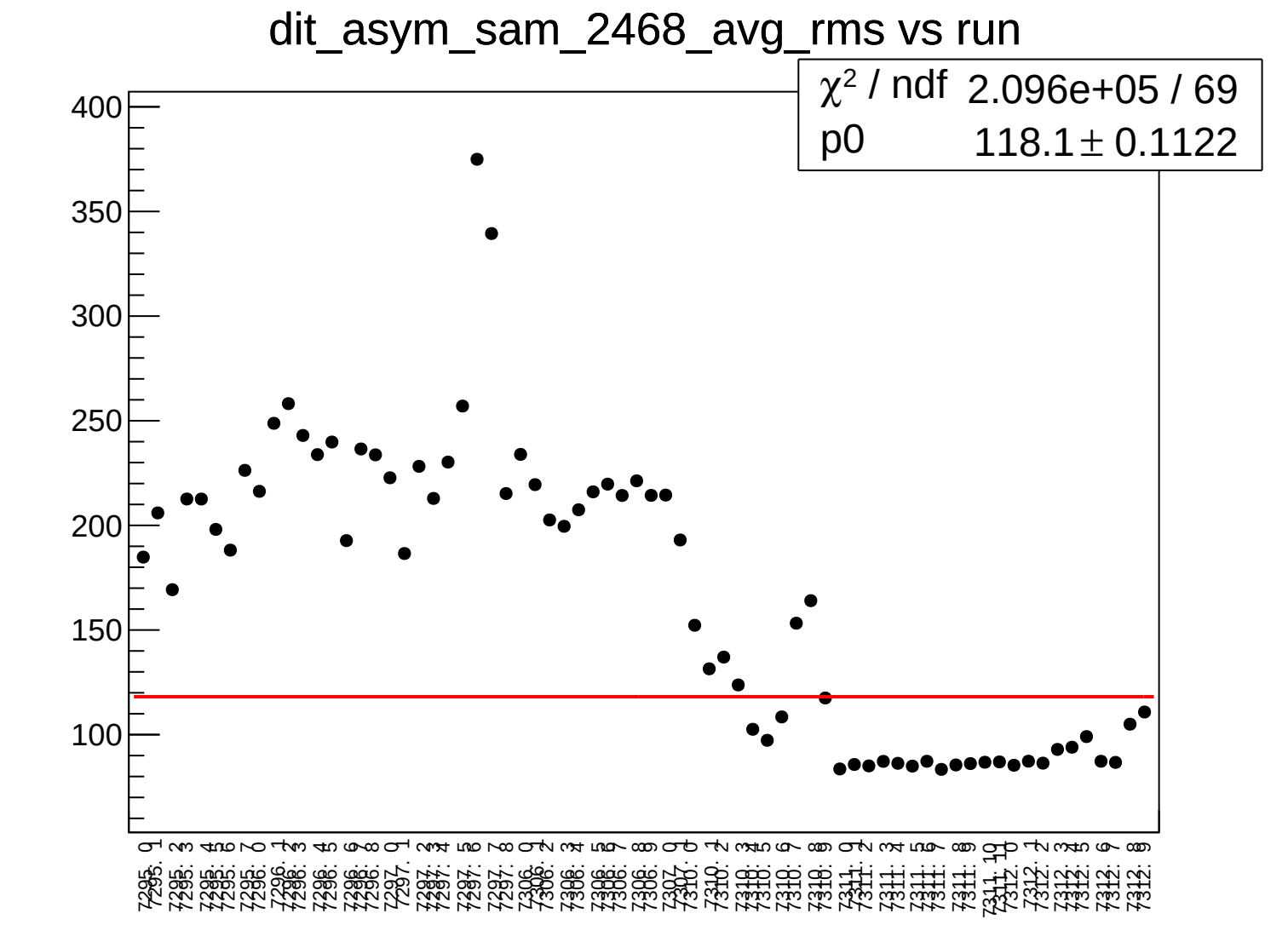

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.671e+04 / 69
p0 83.7 ± 0.0745
120
110
100
90
80
70
60

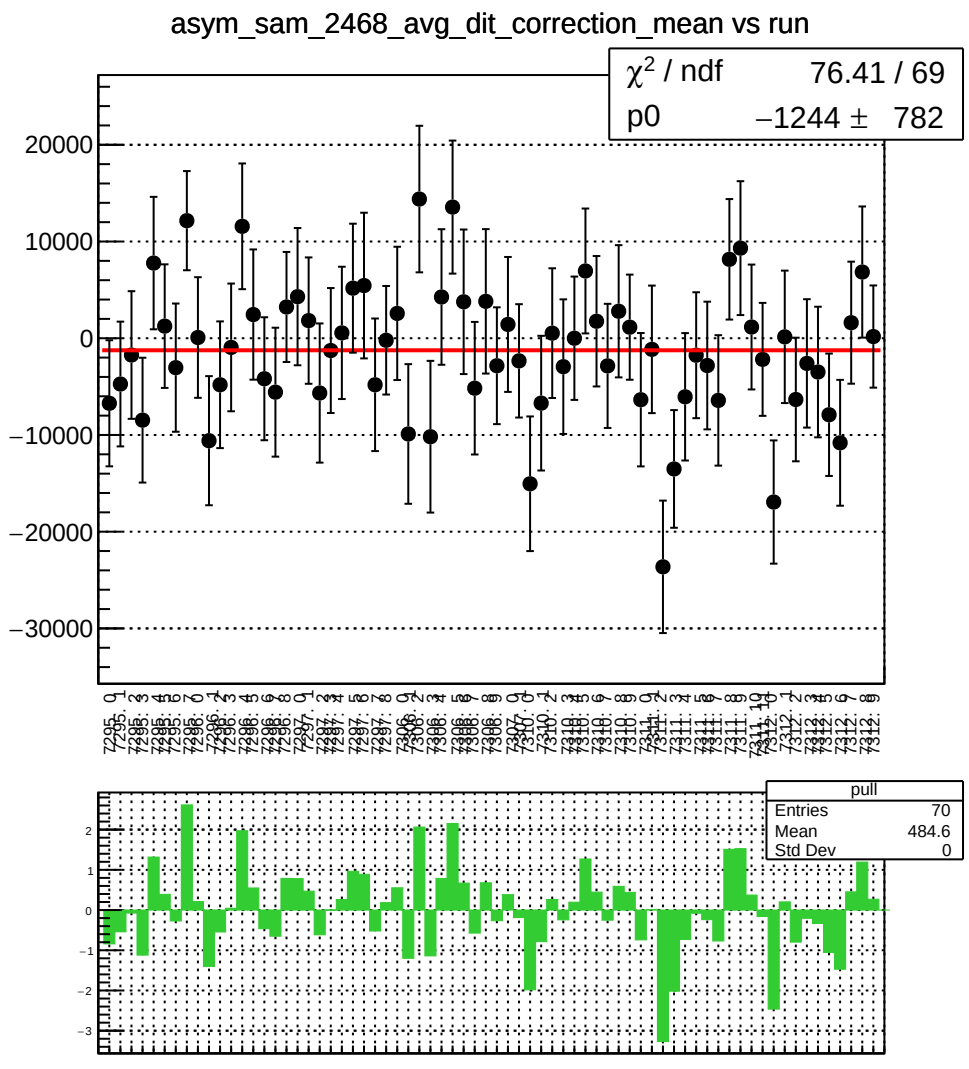

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.37 / 69
p0 −1314 ± 756.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 1593
Std Dev 0
pull1D
Entries 70
Mean −0.002137
Std Dev 1.051

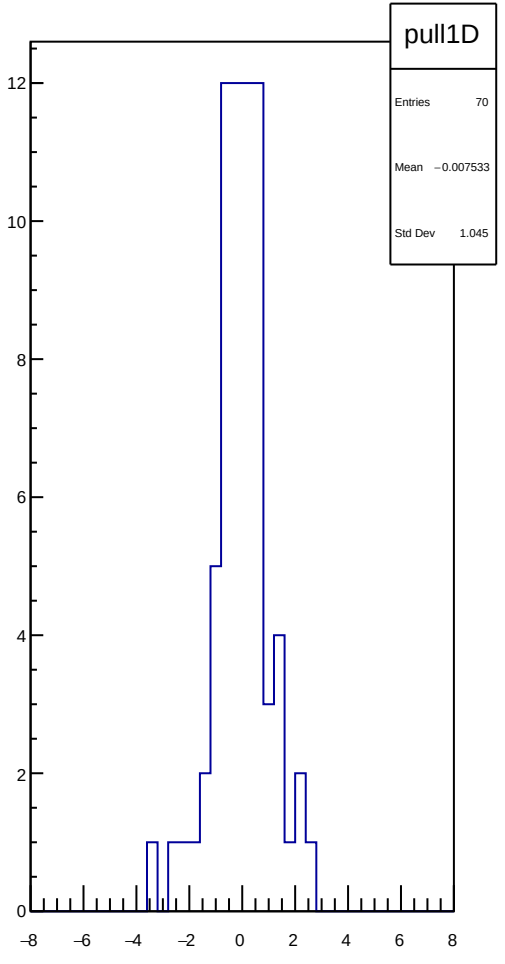

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 6400 / 69
p0 612.7 ± 0.5348
750
700
650
600
550

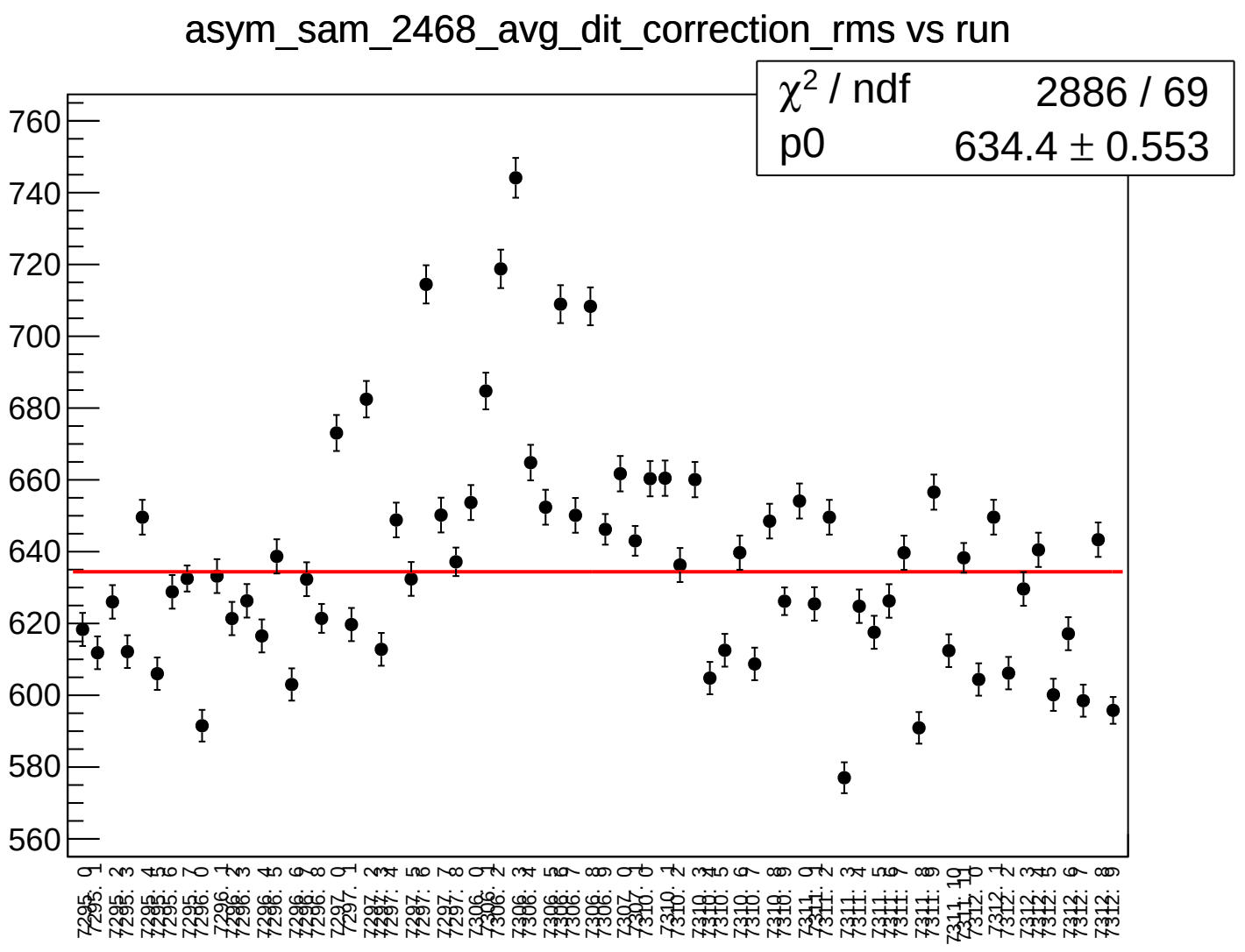

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 86.25 / 69
p0 −202.7 ± 158.6
pull
Entries 70
Mean −0.7822
Std Dev 0

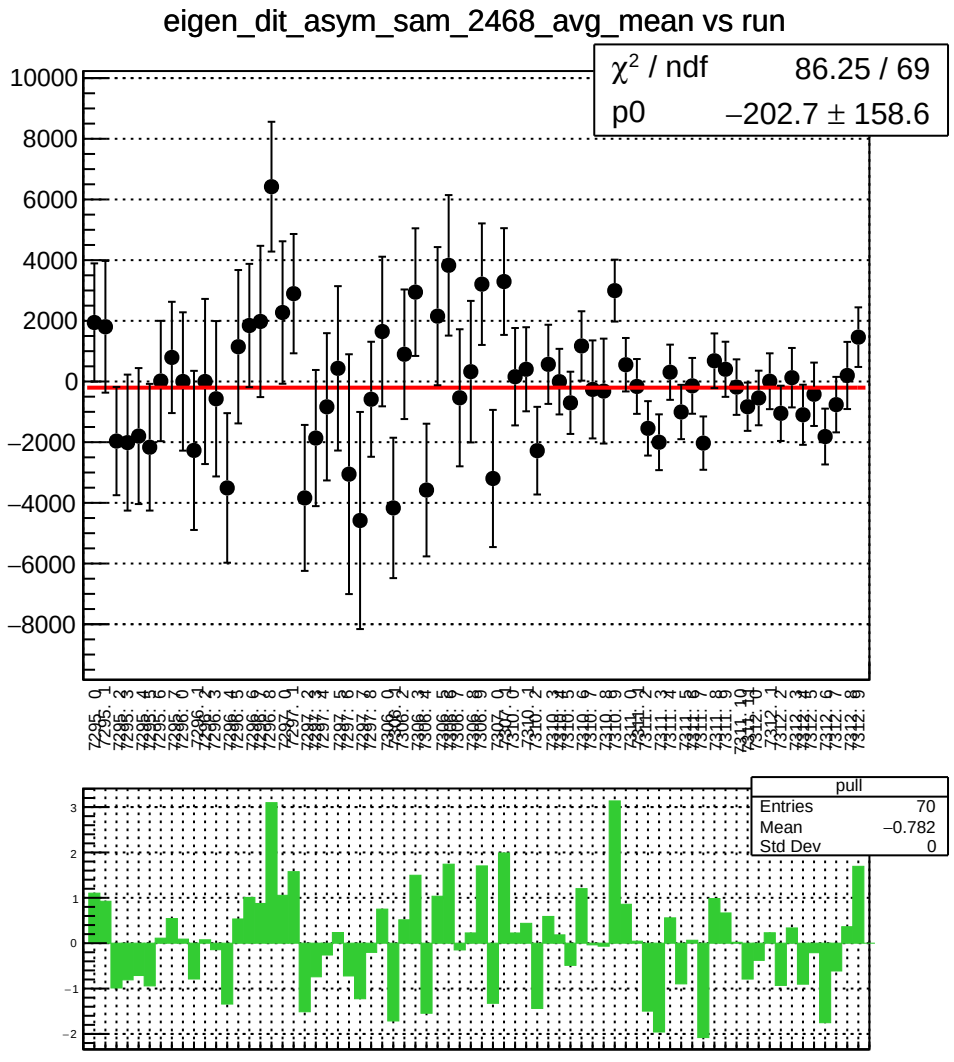

pull1D
Entries 70
Mean 0.04466
Std Dev 1.109

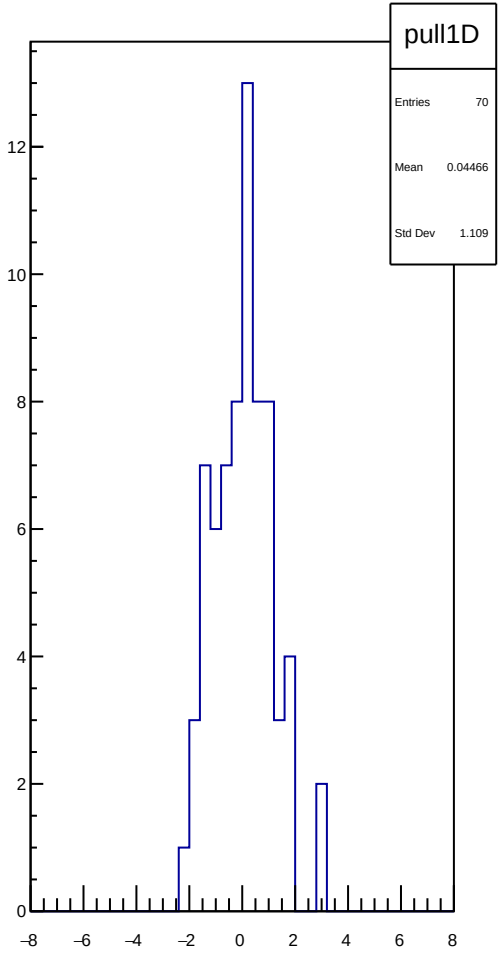

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.096e+05 / 69
p0 118.1 ± 0.1122
400
350
300
250
200
150
100

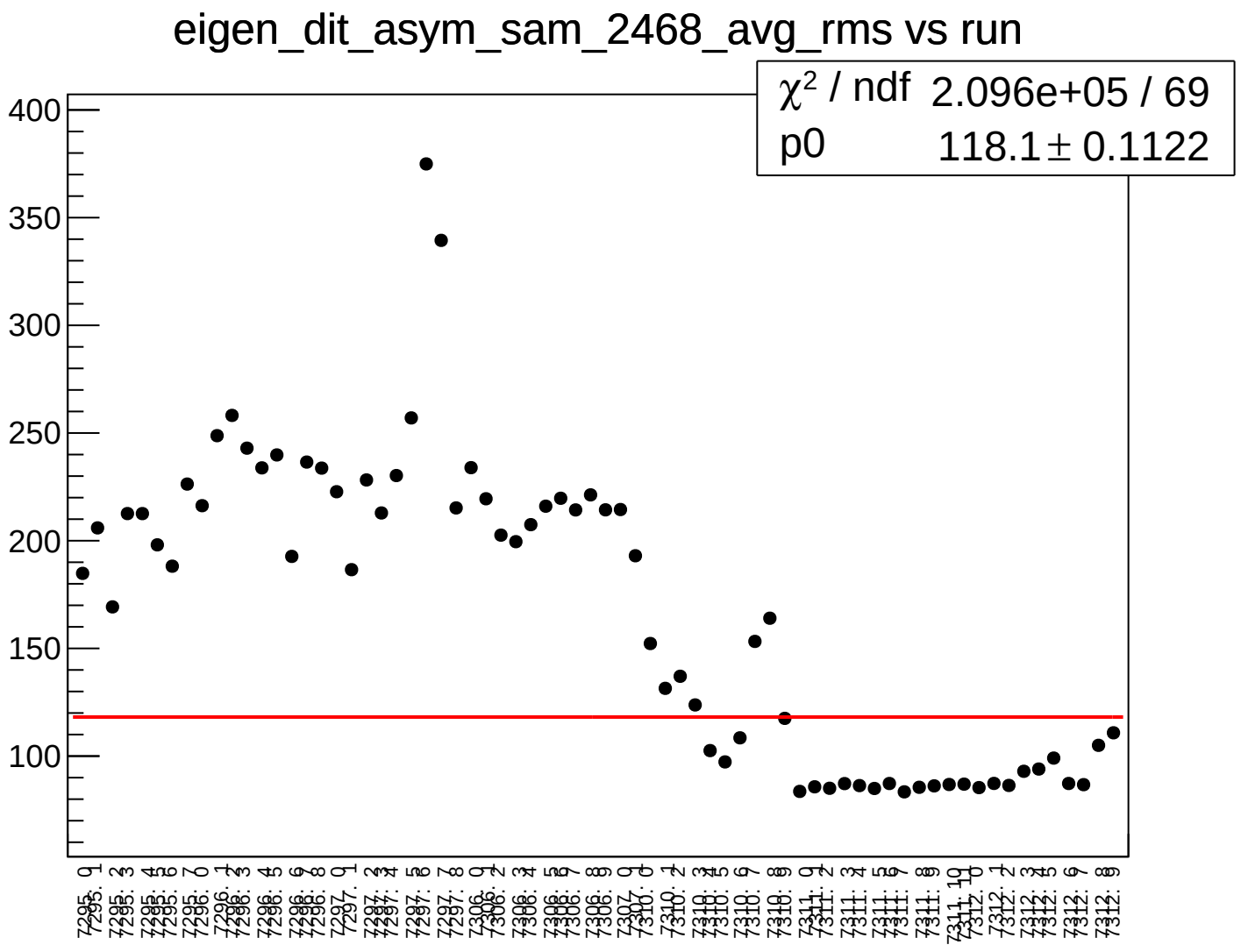

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 76.41 / 69
p0 −1244 ± 782
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 484.6
Std Dev 0
2
1
0
−1
−2
−3

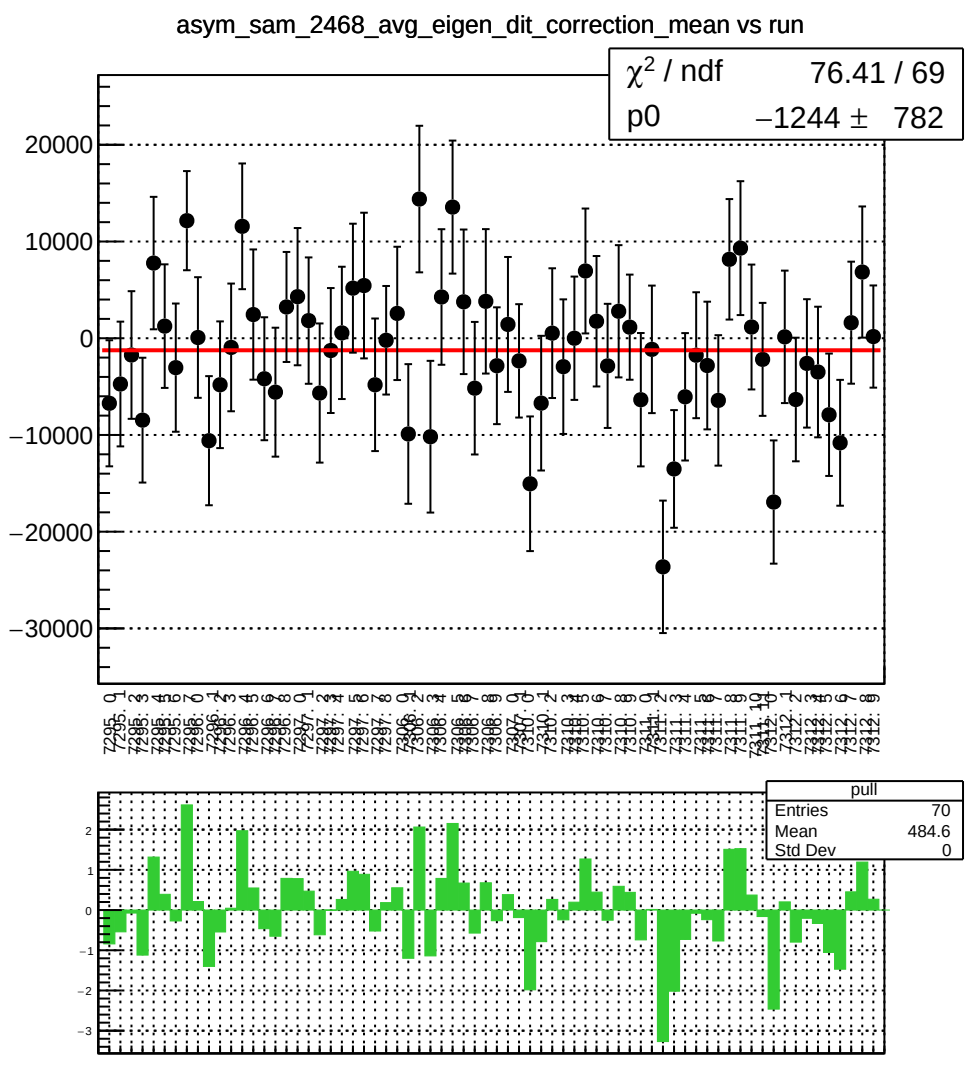

pull1D
Entries 70
Mean −0.007533
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

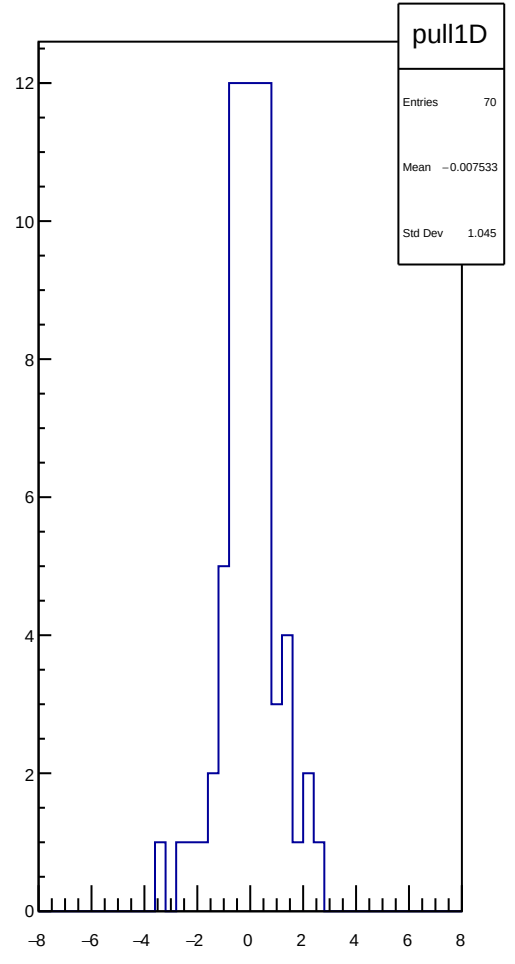

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2886 / 69
p0 634.4 ± 0.553
760
740
720
700
680
660
640
620
600
580
560

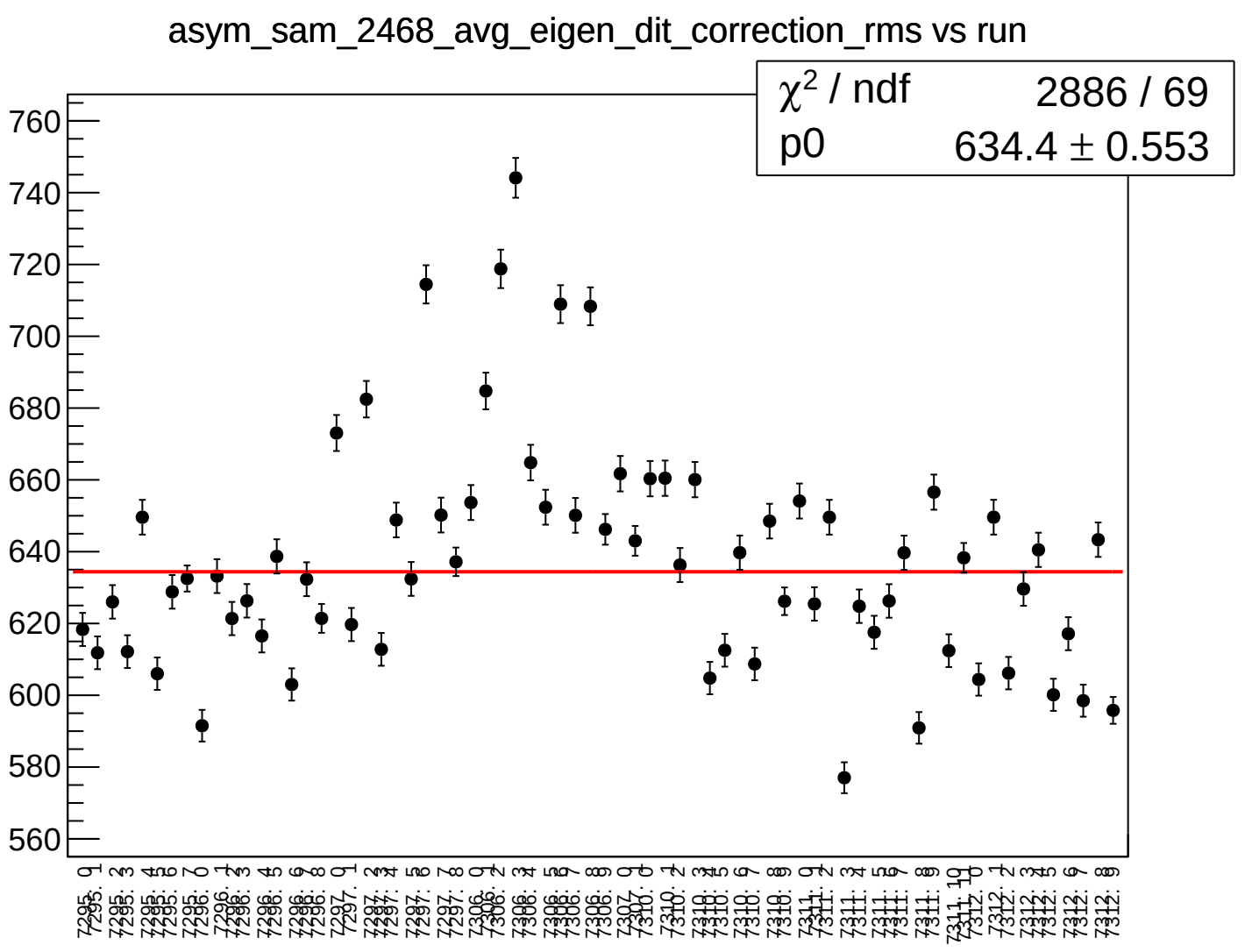

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 86.25 / 69
p0 −202.7 ± 158.6
pull
Entries 70
Mean −0.782
Std Dev 0

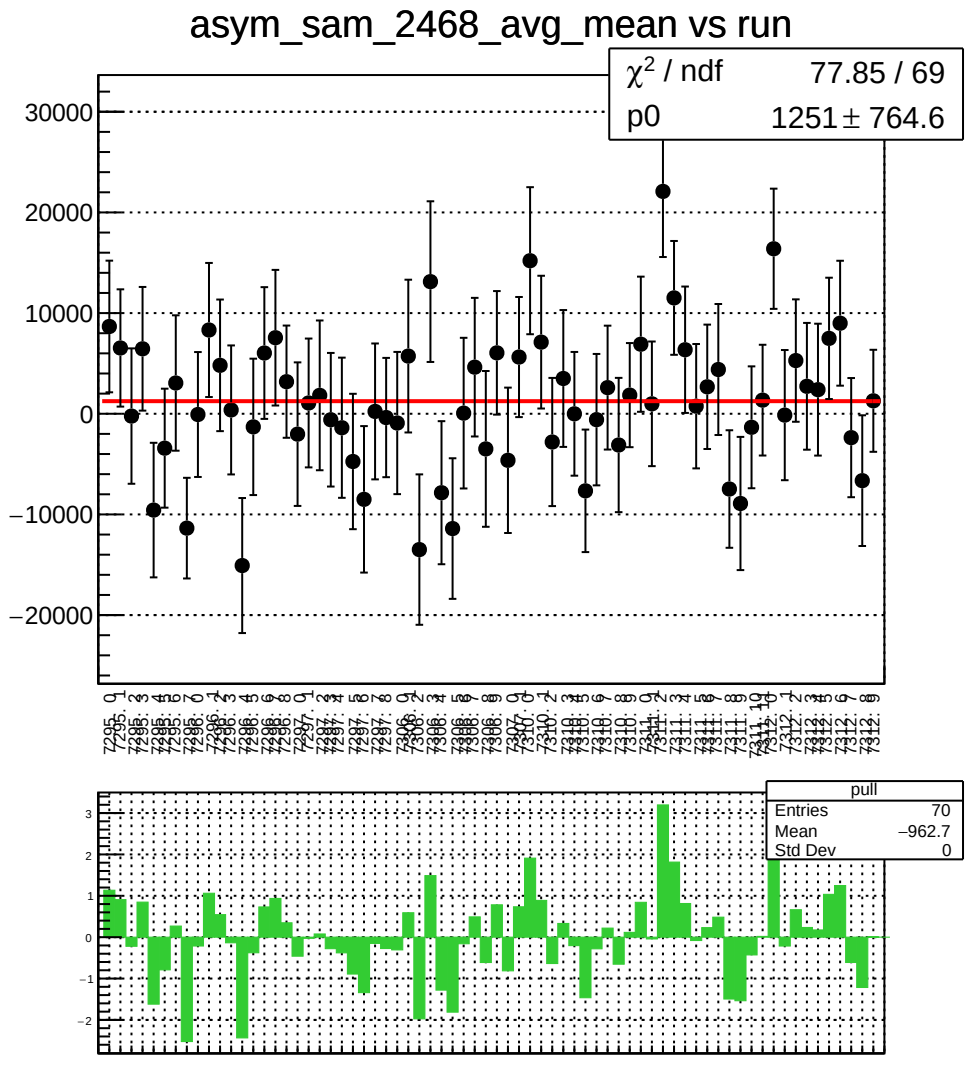

pull1D
Entries 70
Mean 0.04466
Std Dev 1.109

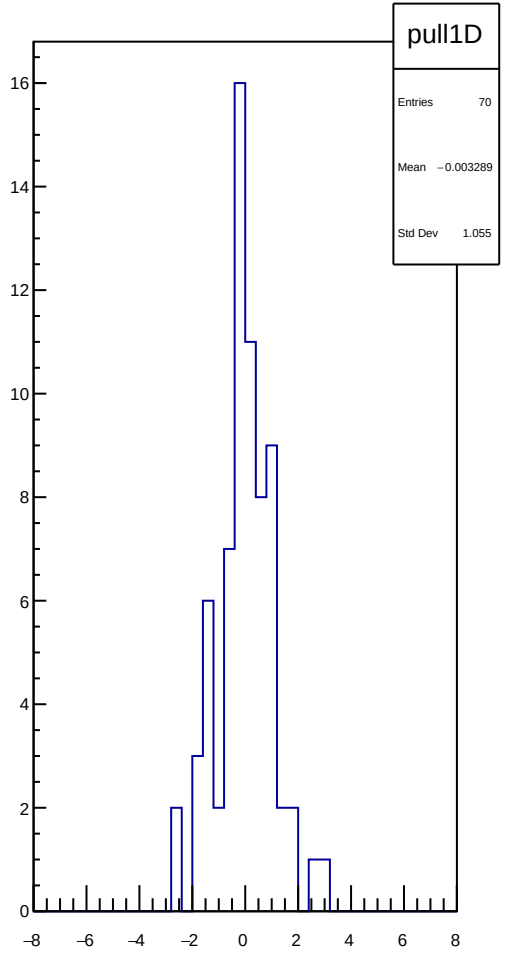

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.096e+05 / 69
p0 118.1 ± 0.1122
400
350
300
250
200
150
100

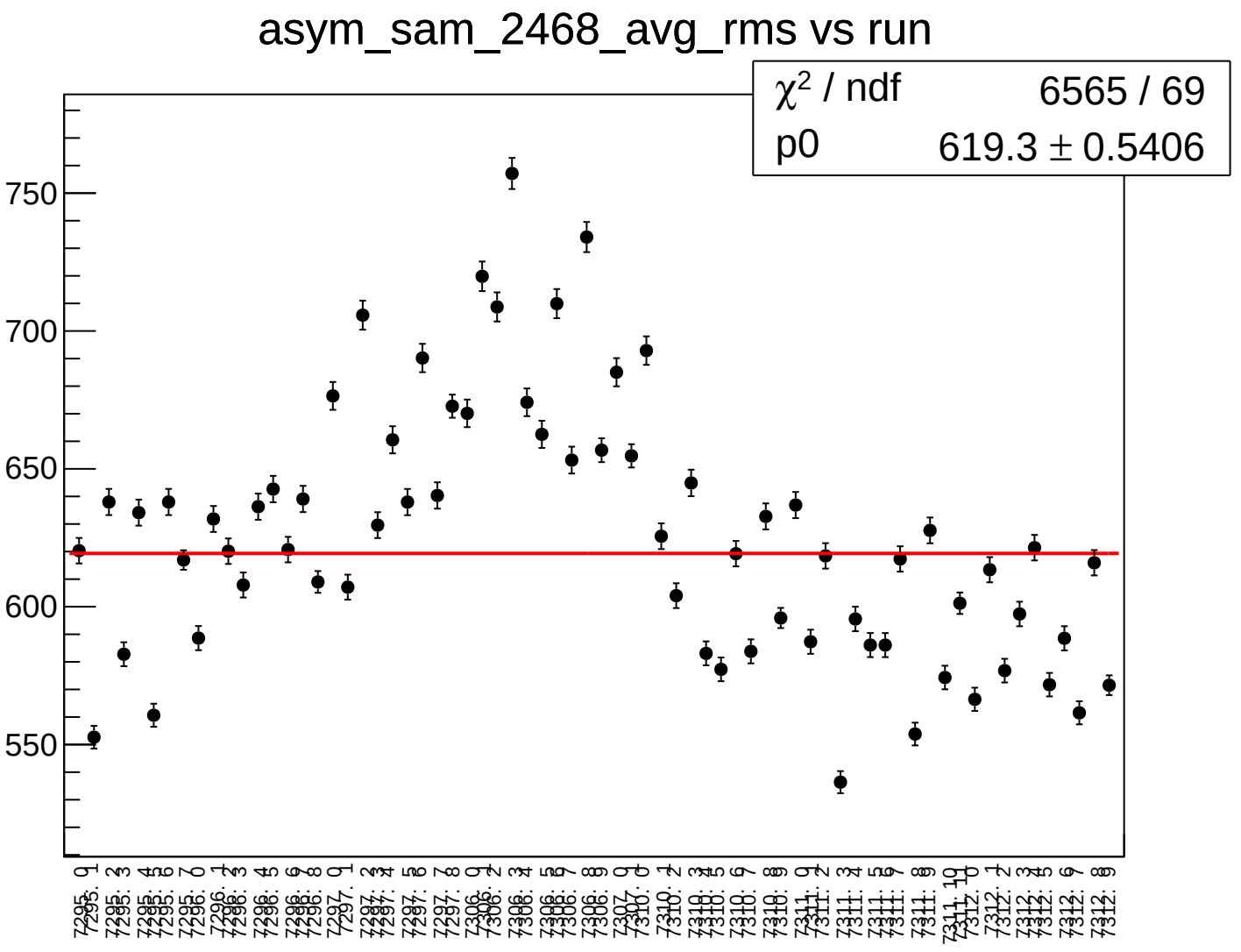

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.41 / 69
p0 −1244 ± 782
20000
10000
0
−10000
−20000
−30000
pull
Entries 70
Mean 484.6
Std Dev 0
2
1
0
−1
−2
−3

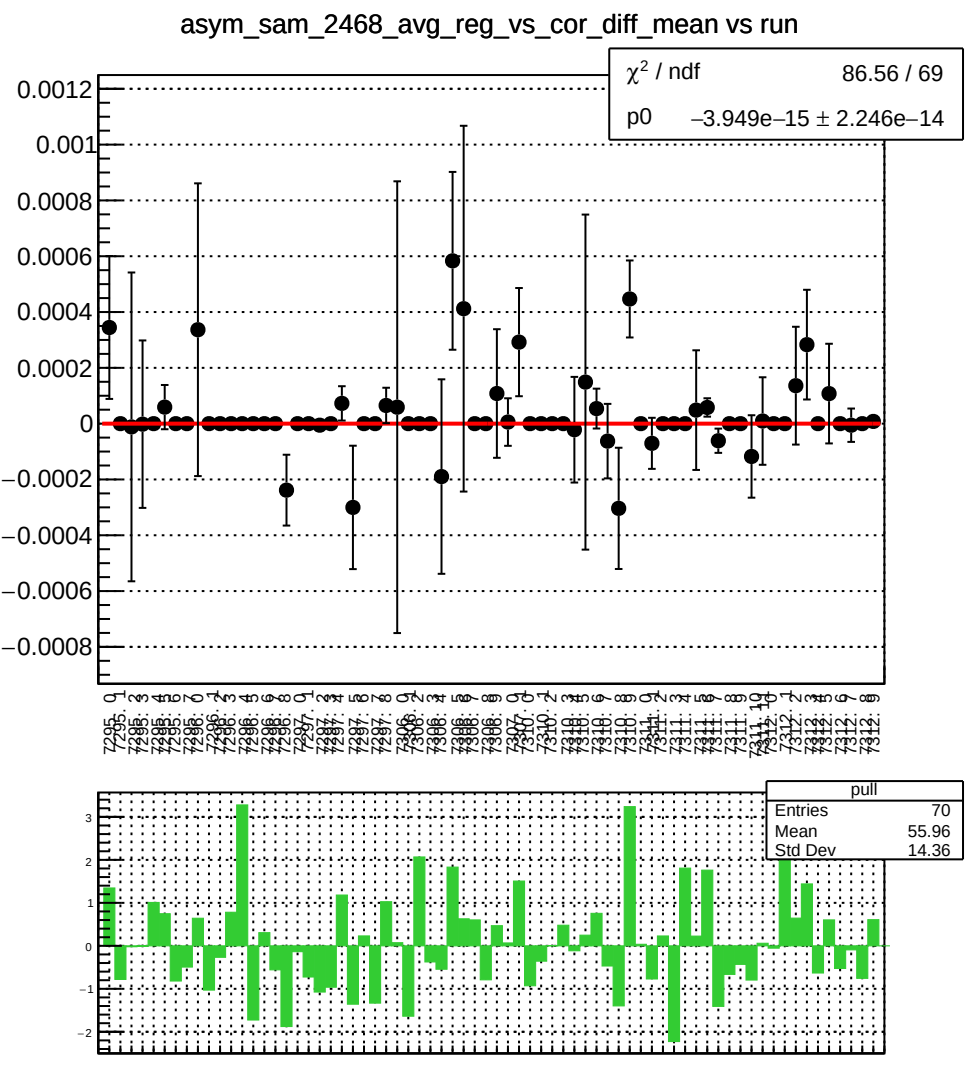

pull1D
Entries 70
Mean −0.007533
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

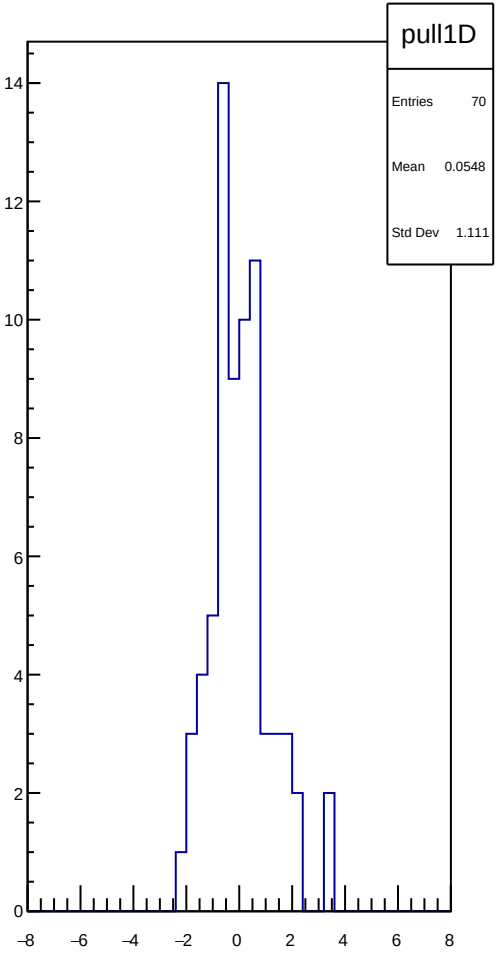

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2886 / 69
p0 634.4 ± 0.553
760
740
720
700
680
660
640
620
600
580
560

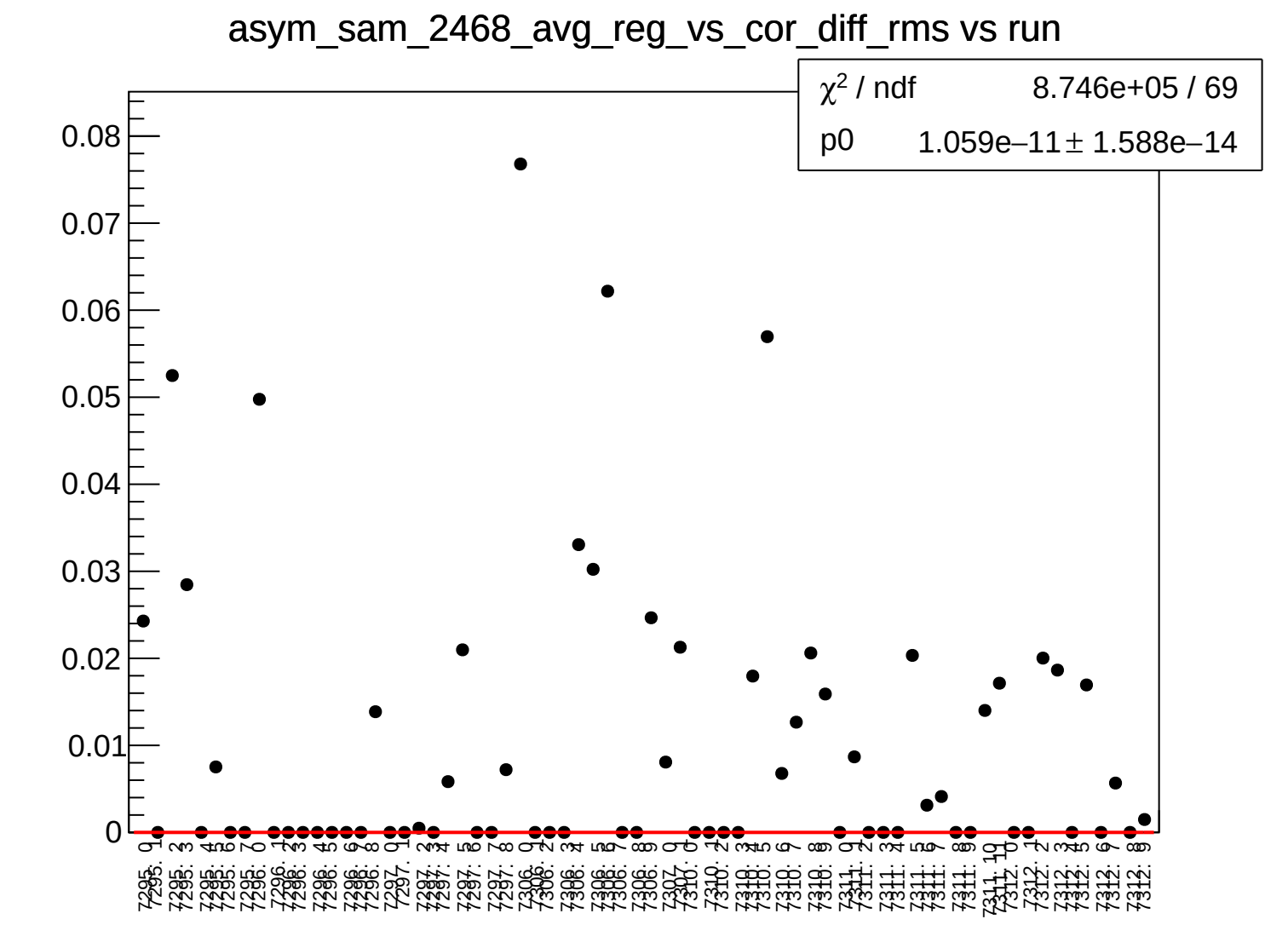

asym_sam_2468_avg_mean vs run
χ² / ndf 77.85 / 69
p0 1251 ± 764.6
30000
20000
10000
0
−10000
−20000
pull
Entries 70
Mean −962.7
Std Dev 0
3
2
1
0
−1
−2

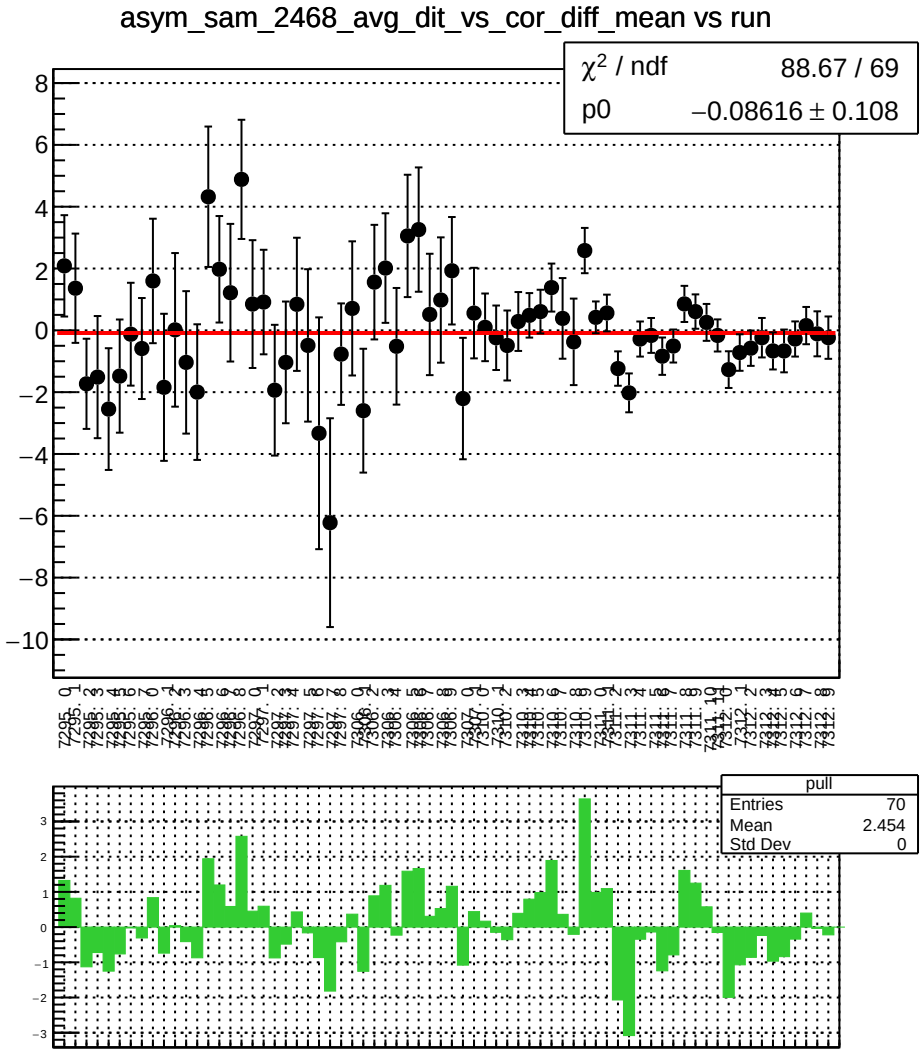

pull1D
Entries 70
Mean −0.003289
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

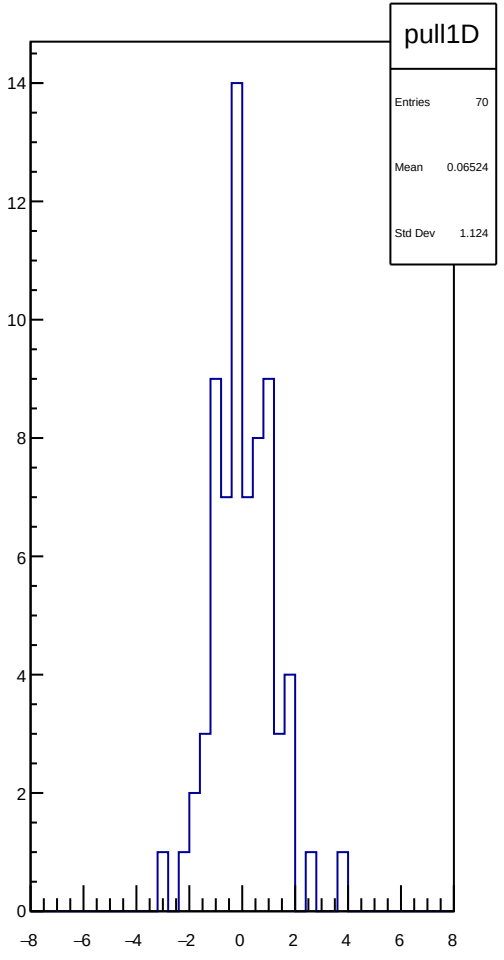

asym_sam_2468_avg_rms vs run
χ² / ndf 6565 / 69
p0 619.3 ± 0.5406
750
700
650
600
550

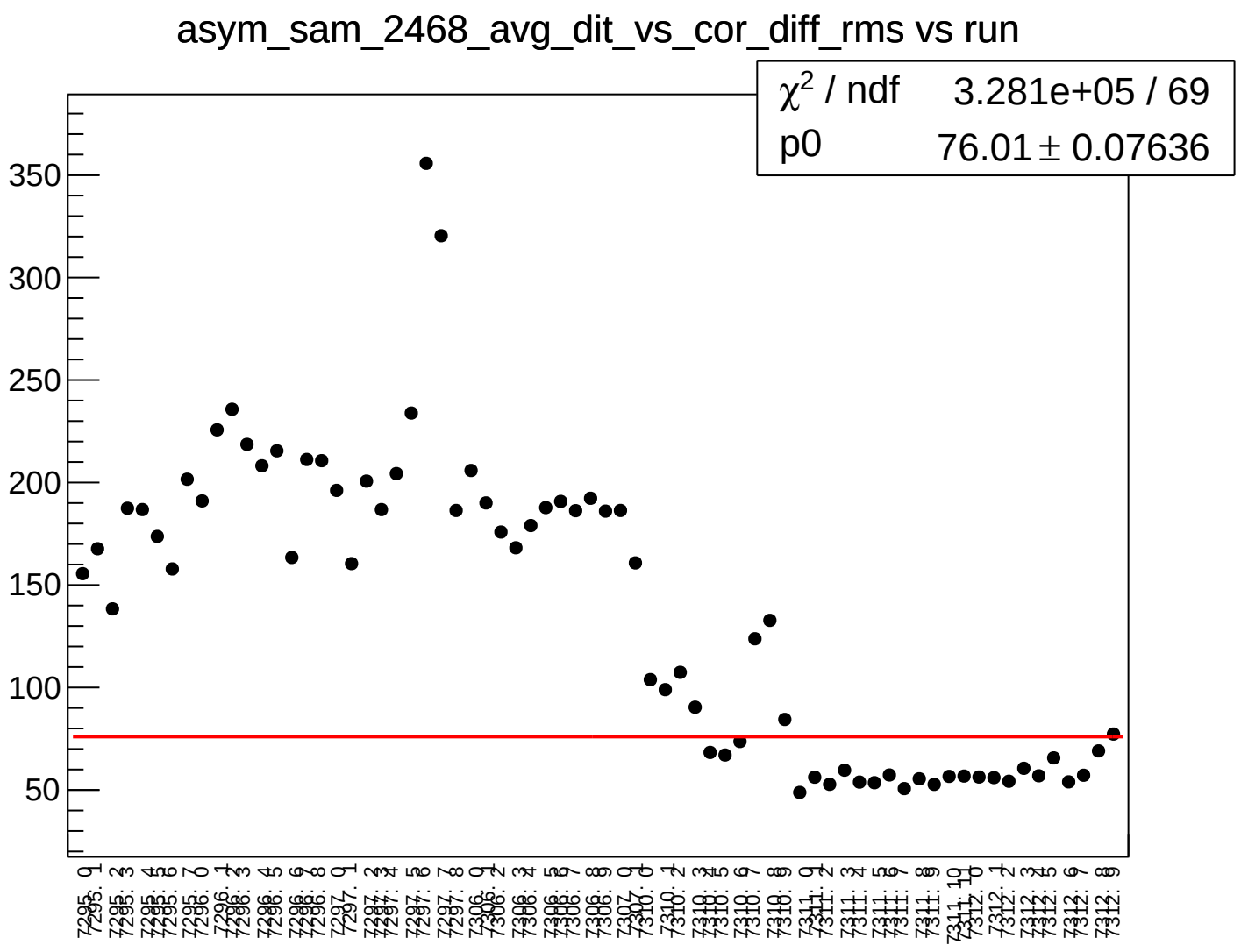

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 86.56 / 69
p0 −3.949e−15 ± 2.246e−14
pull
Entries 70
Mean 55.96
Std Dev 14.36

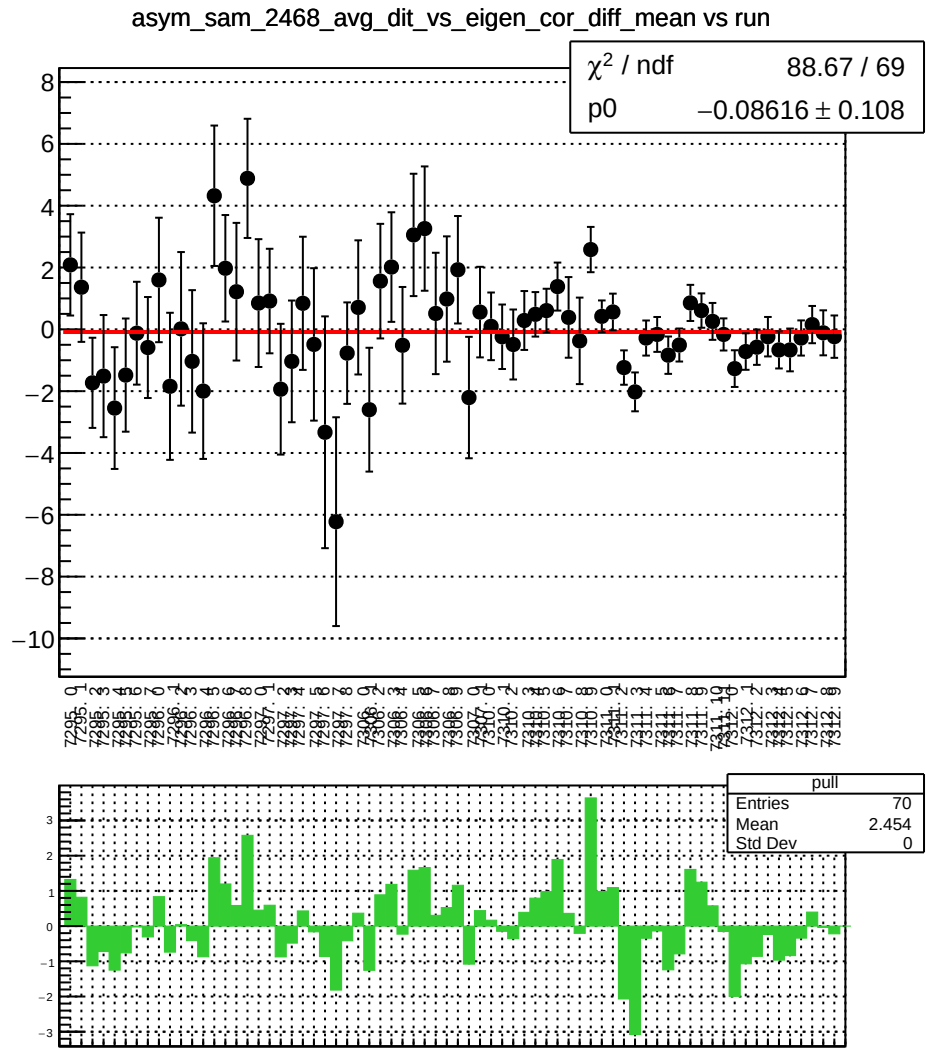

pull1D
Entries 70
Mean 0.0548
Std Dev 1.111

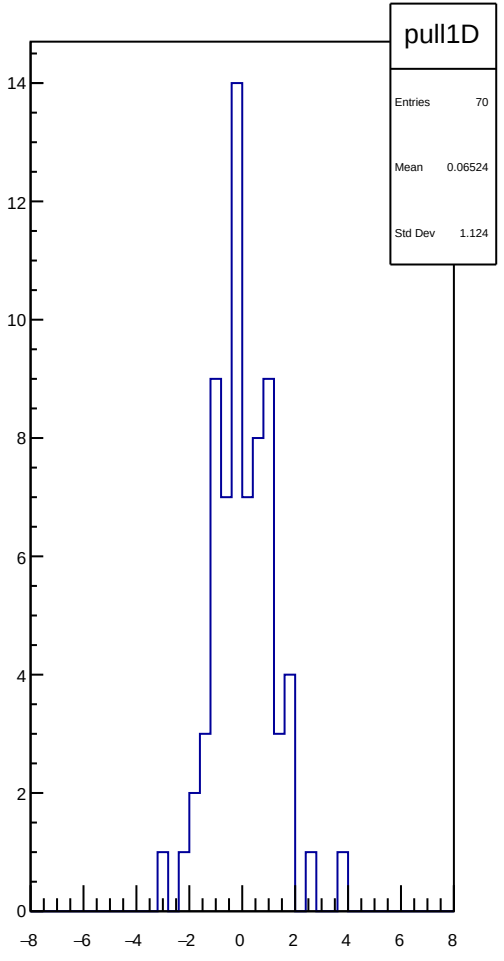

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.746e+05 / 69
p0 1.059e−11 ± 1.588e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

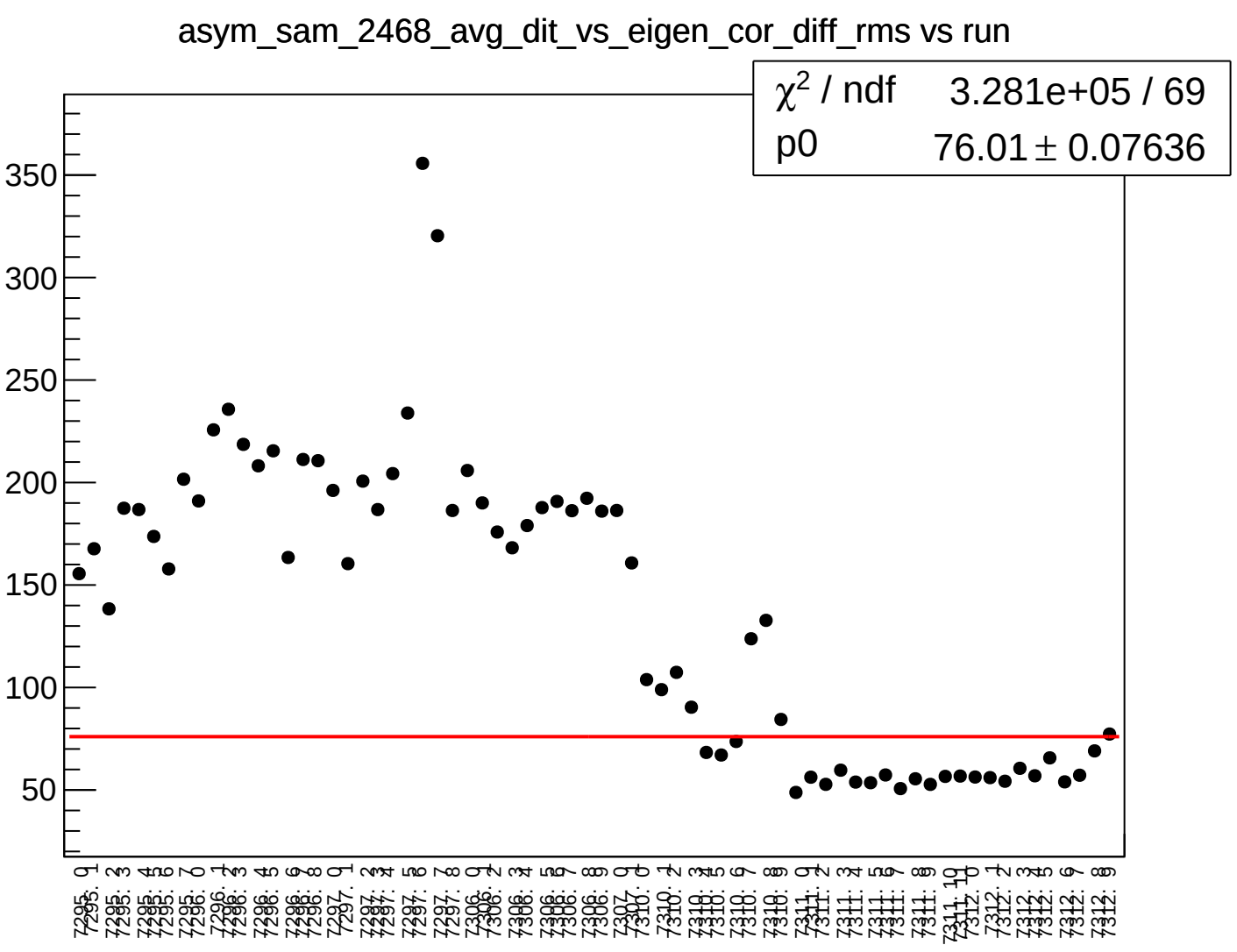

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.67 / 69
p0 −0.08616 ± 0.108
pull
Entries 70
Mean 2.454
Std Dev 0

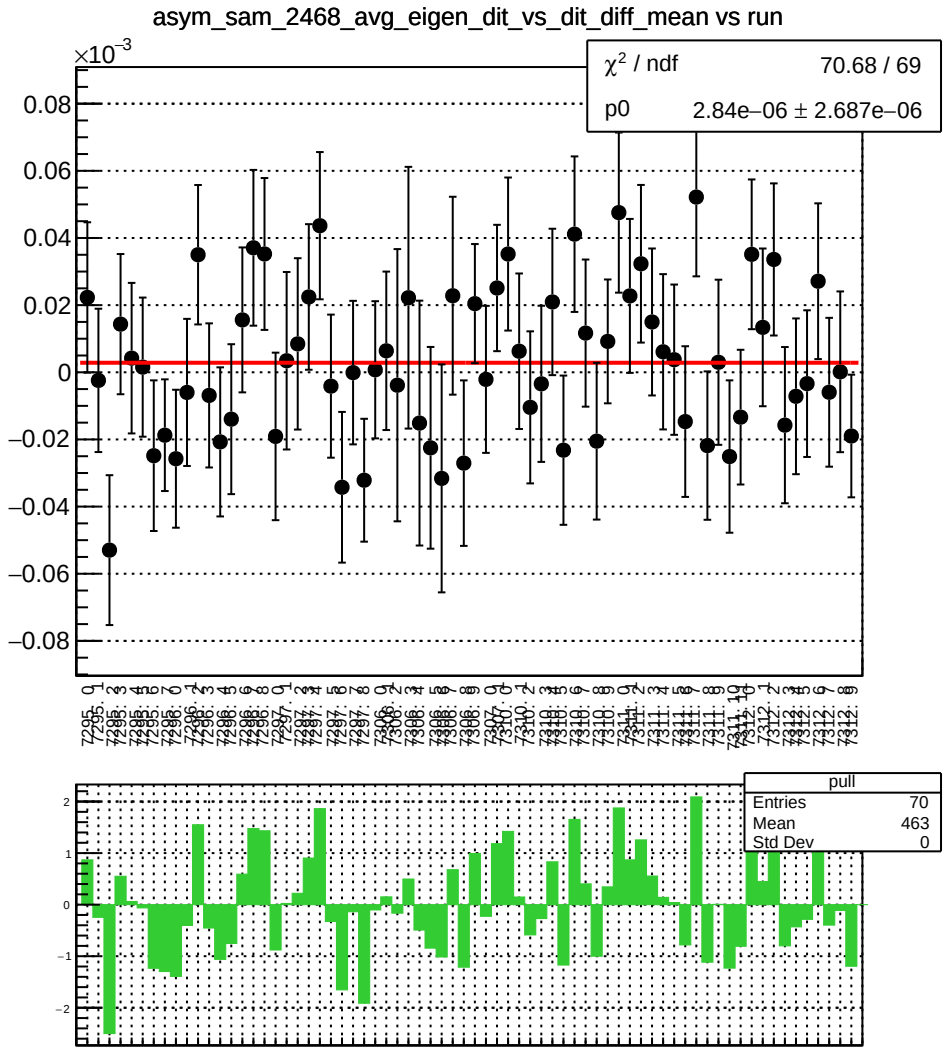

pull1D
Entries 70
Mean 0.06524
Std Dev 1.124

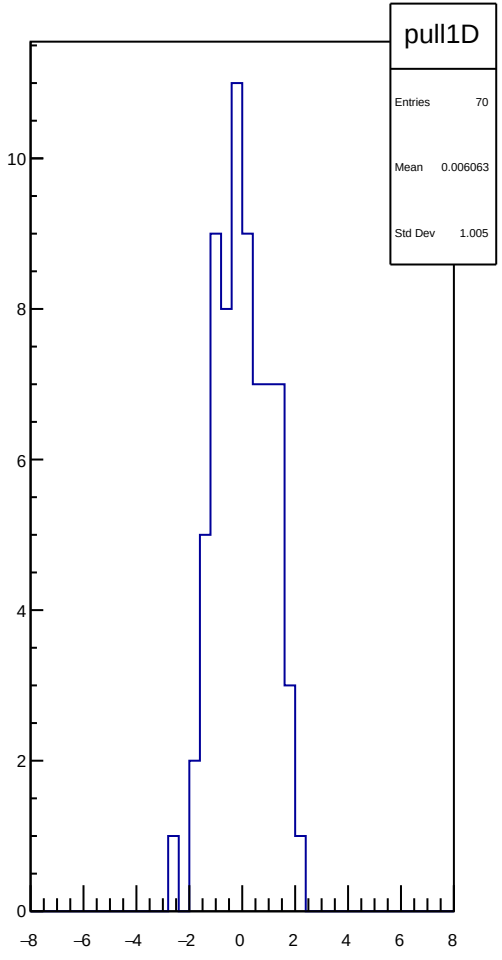

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.281e+05 / 69
p0 76.01 ± 0.07636
350
300
250
200
150
100
50

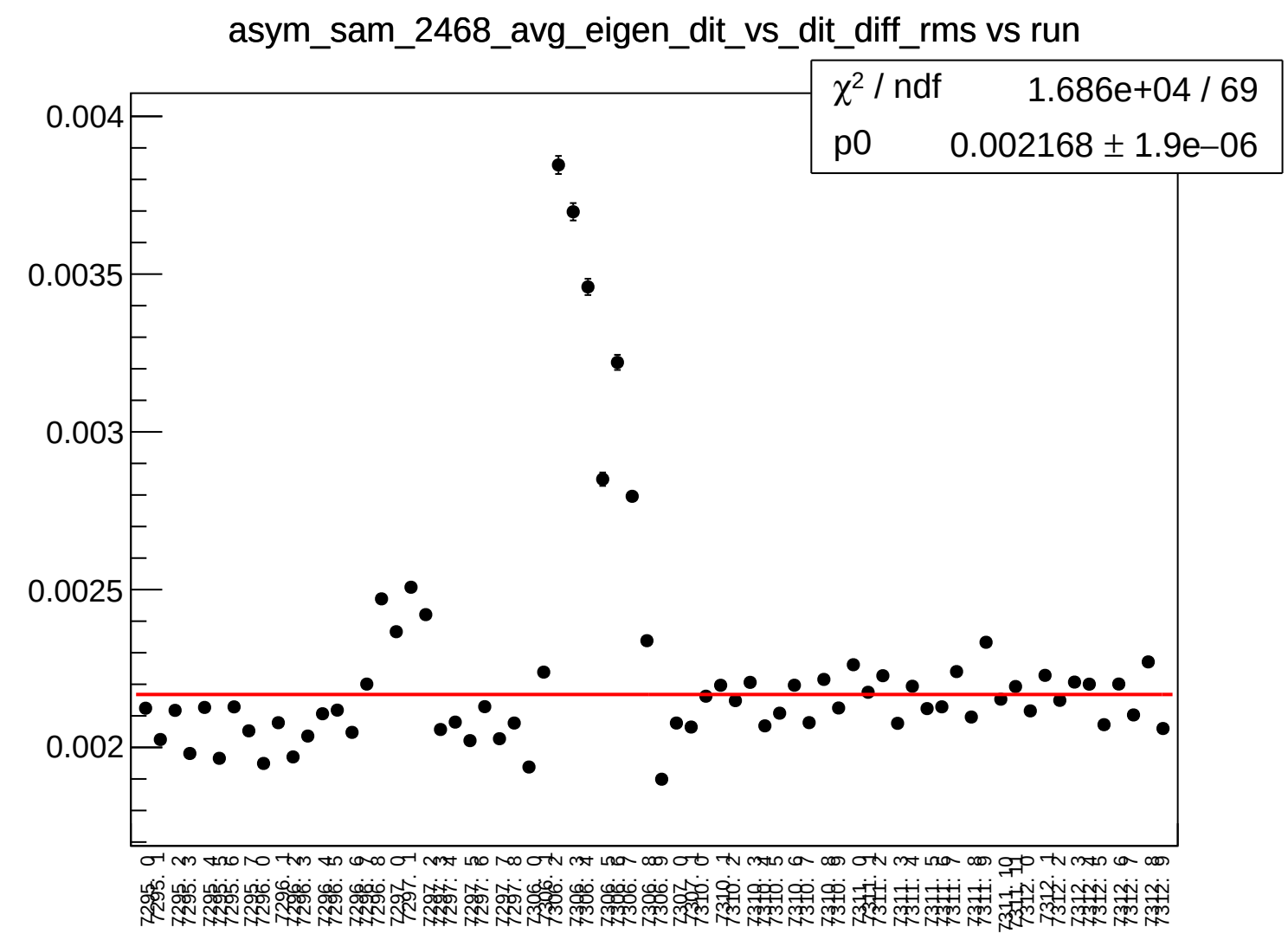

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.67 / 69
p0 −0.08616 ± 0.108
pull
Entries 70
Mean 2.454
Std Dev 0

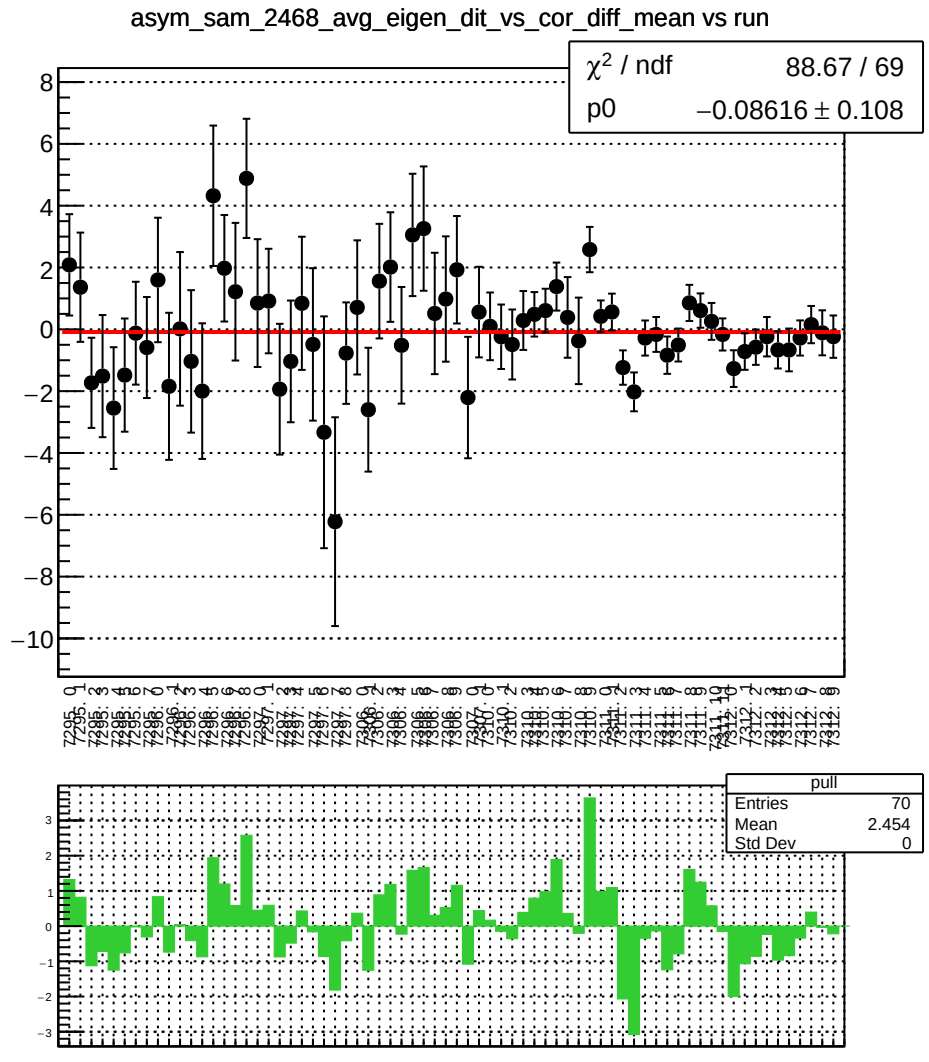

pull1D
Entries 70
Mean 0.06524
Std Dev 1.124

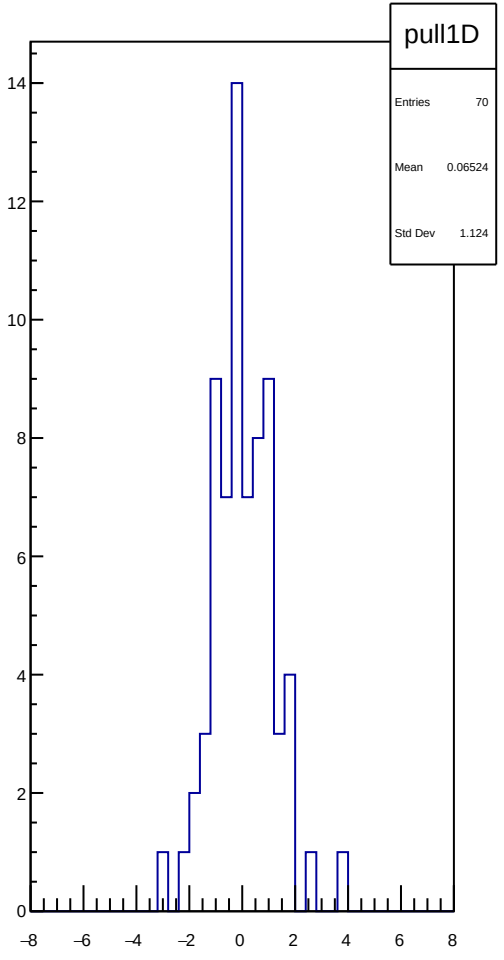

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.281e+05 / 69
p0 76.01 ± 0.07636
350
300
250
200
150
100
50

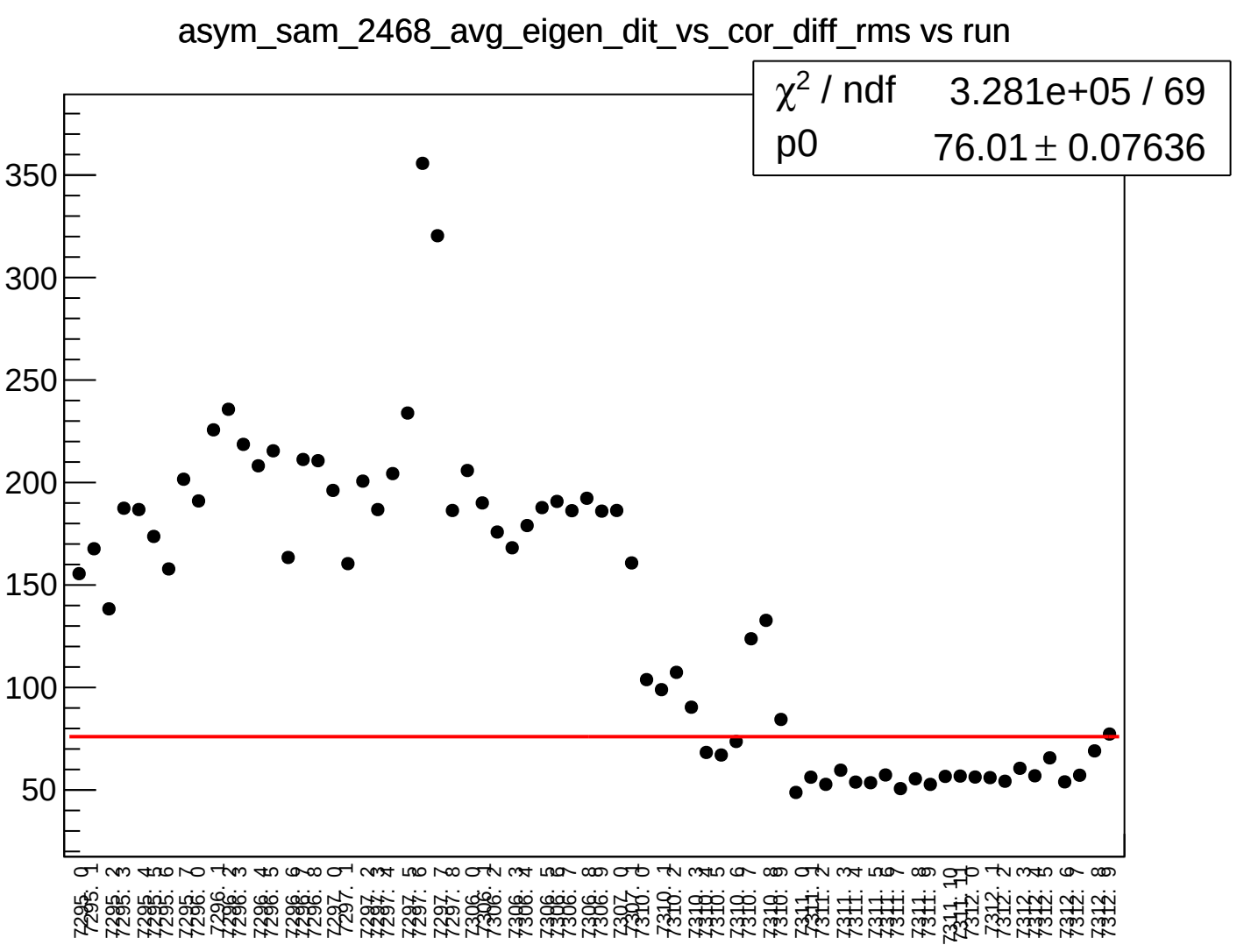

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.68 / 69
p0 2.84e−06 ± 2.687e−06
pull
Entries 70
Mean 463
Std Dev 0


pull1D
Entries 70
Mean 0.006063
Std Dev 1.005

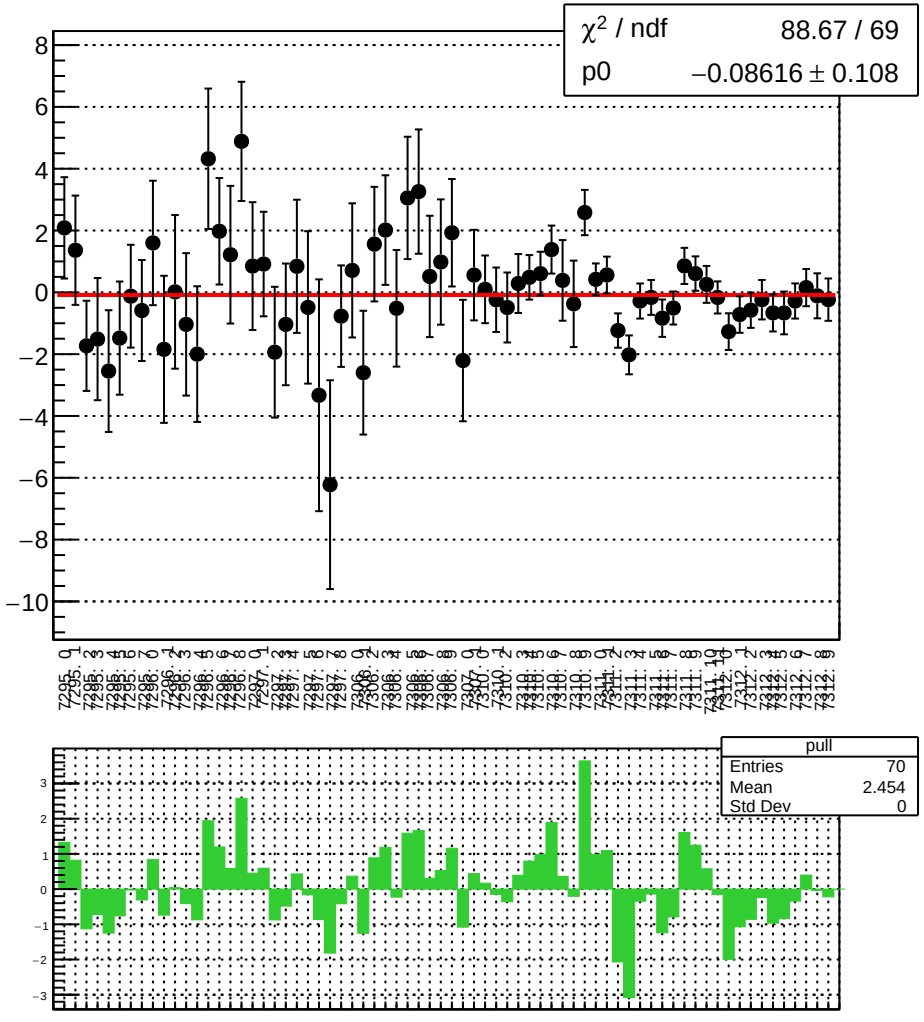

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.686e+04 / 69
p0 0.002168 ± 1.9e−06
0.004
0.0035
0.003
0.0025
0.002

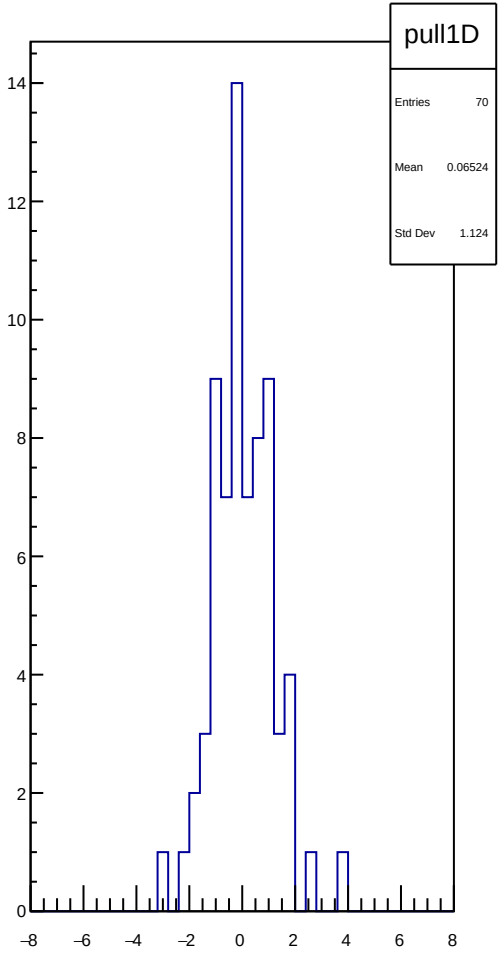

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.67 / 69
p0 −0.08616 ± 0.108
pull
Entries 70
Mean 2.454
Std Dev 0

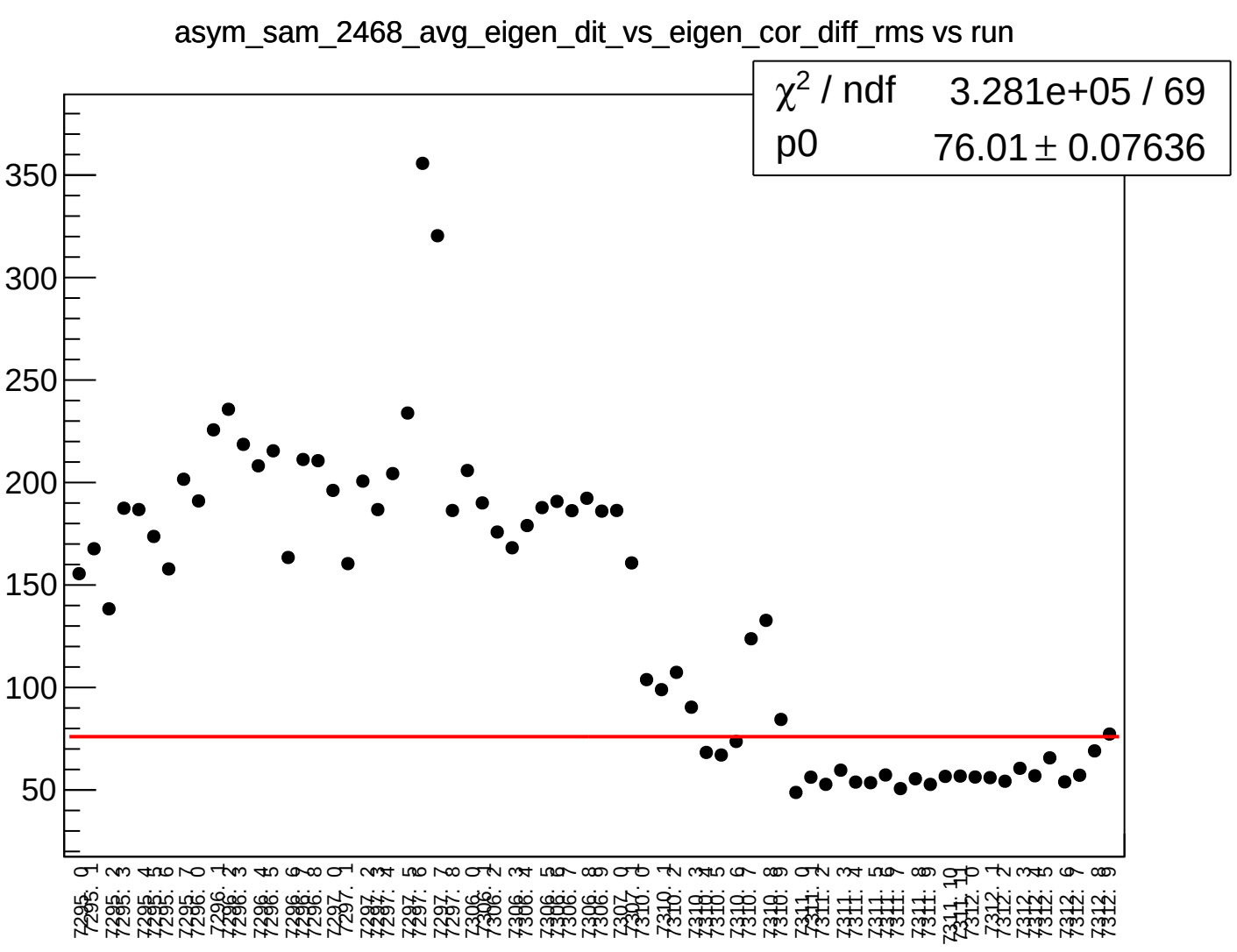

pull1D
Entries 70
Mean 0.06524
Std Dev 1.124

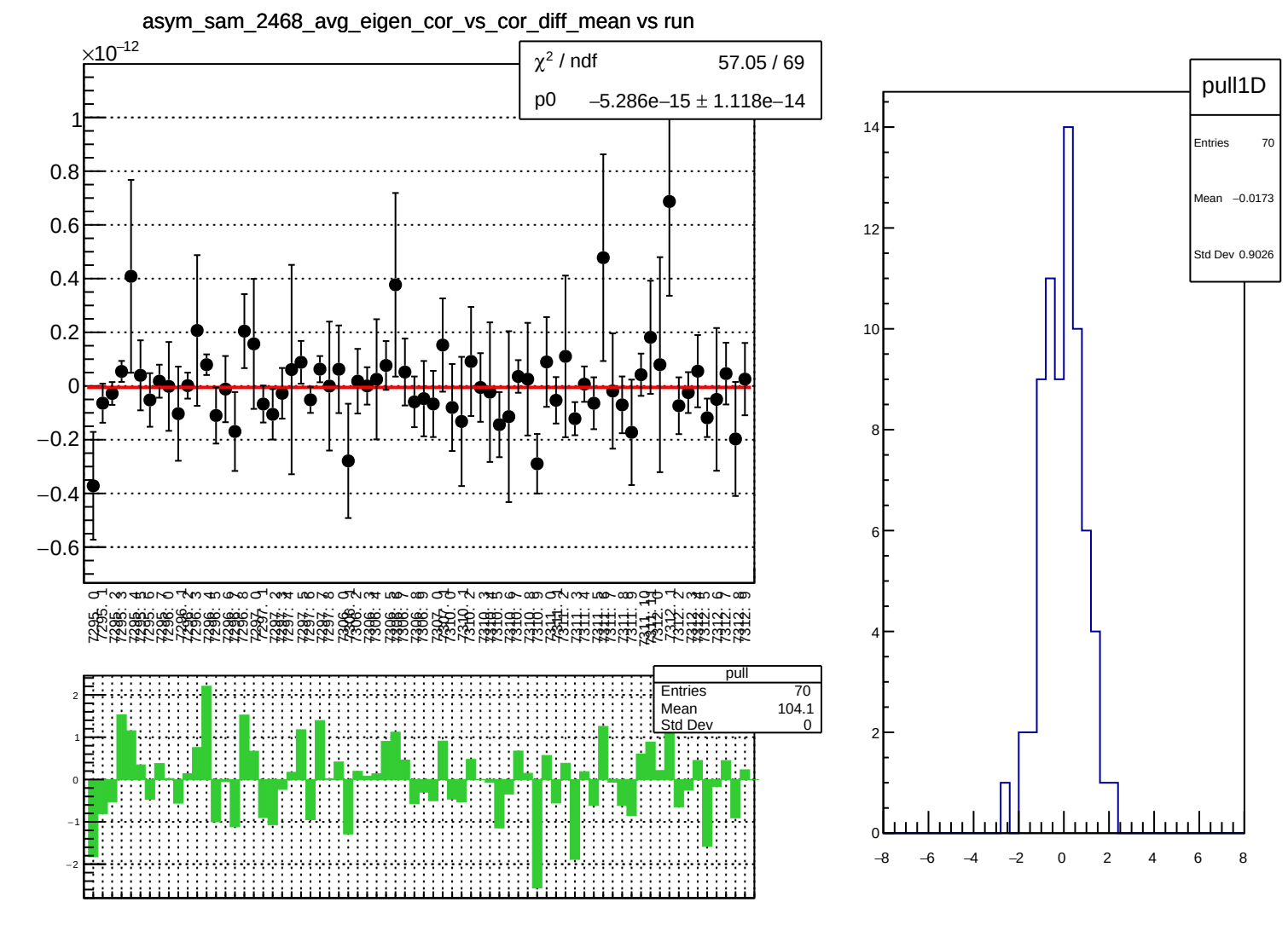

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.281e+05 / 69
p0 76.01 ± 0.07636
350
300
250
200
150
100
50

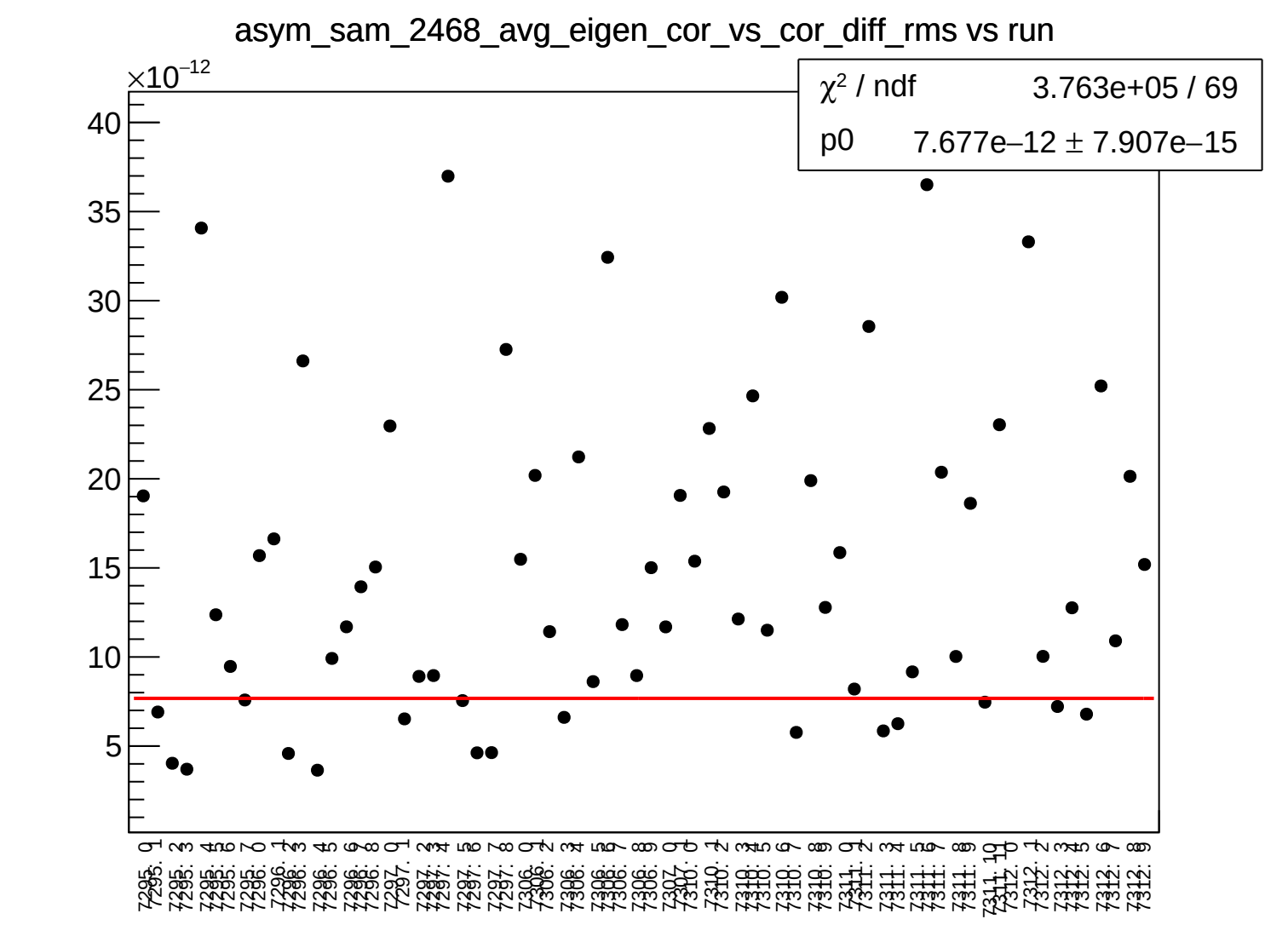
asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

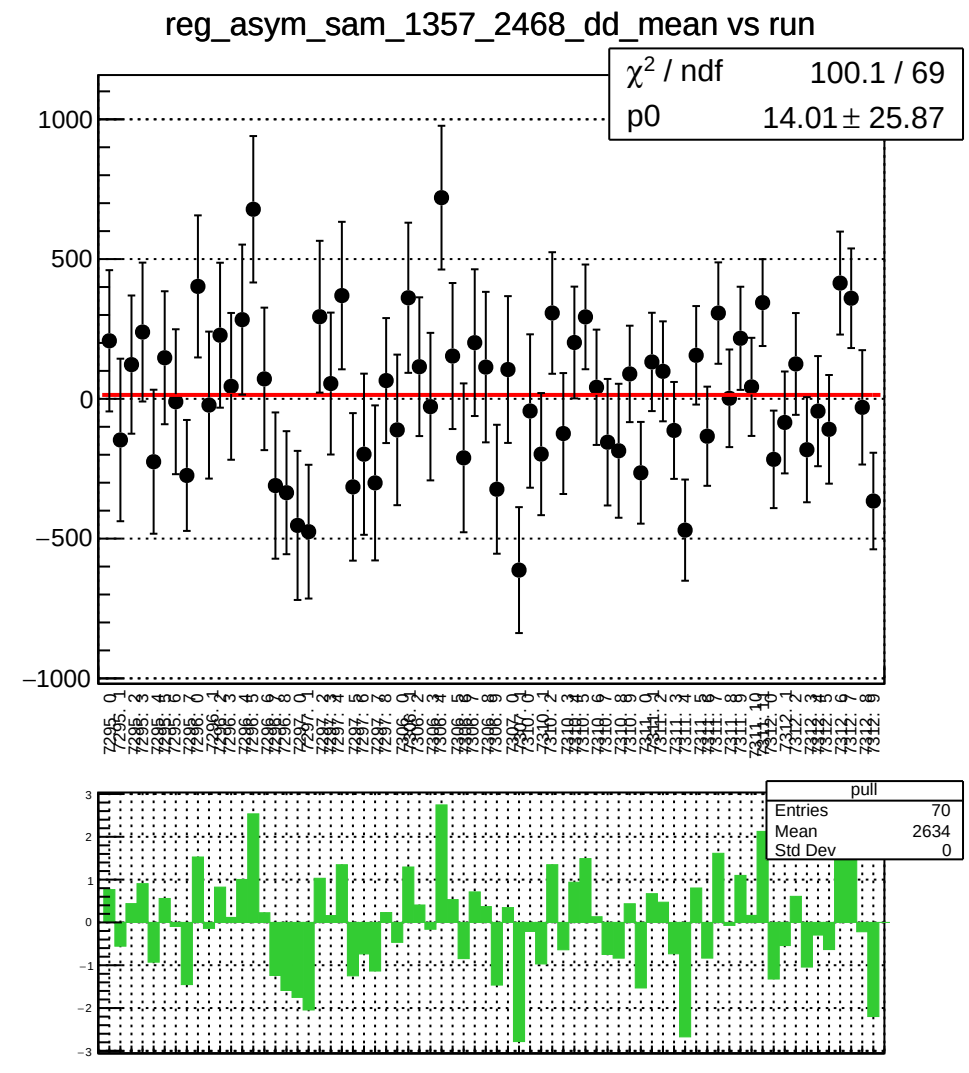


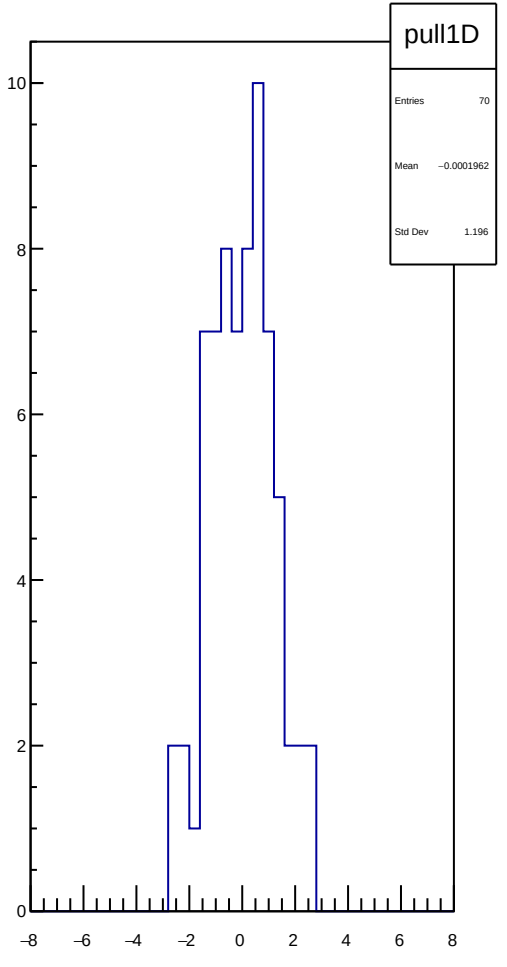


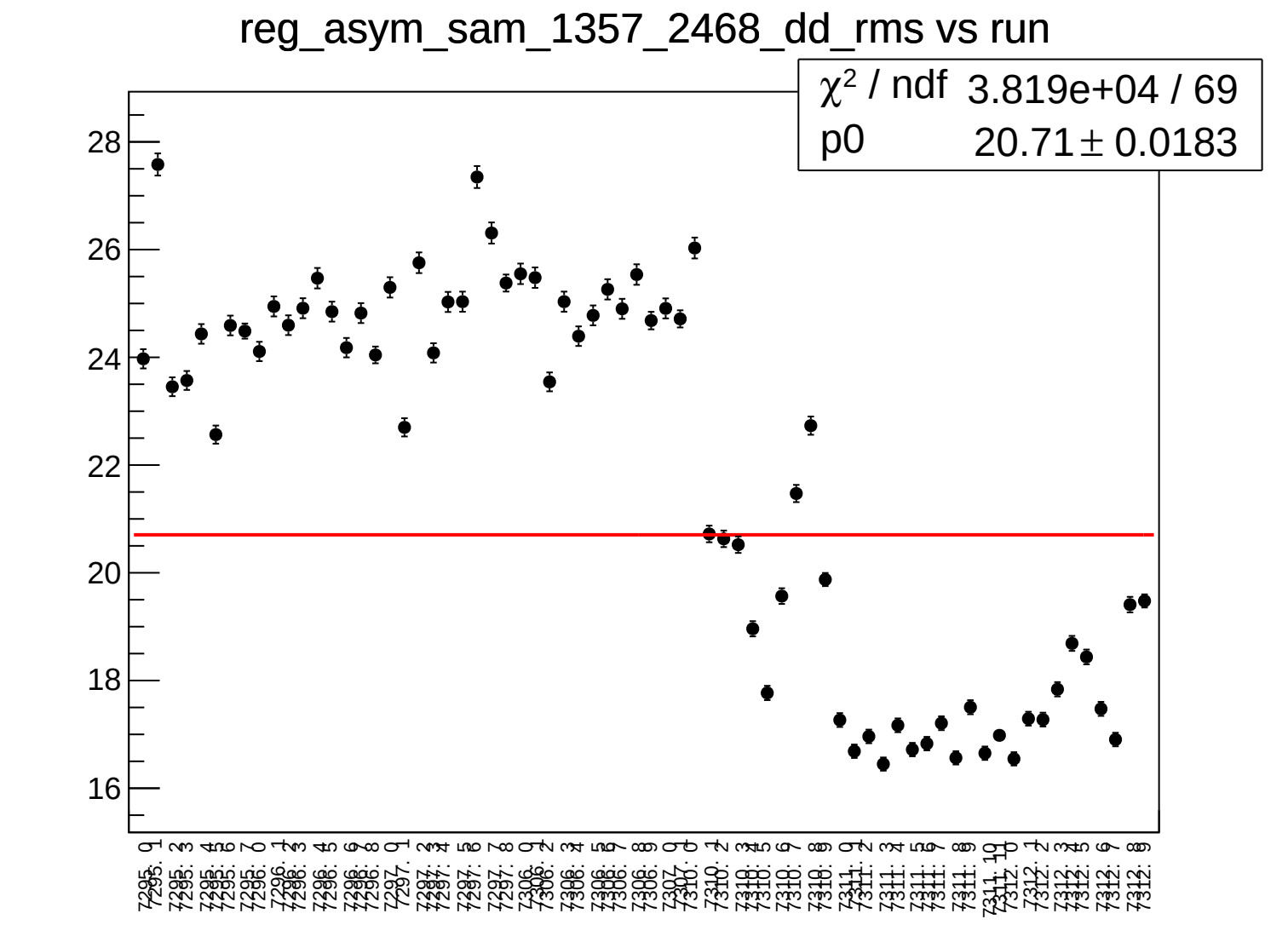

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.281e+05 / 69
p0 76.01 ± 0.07636
350
300
250
200
150
100
50

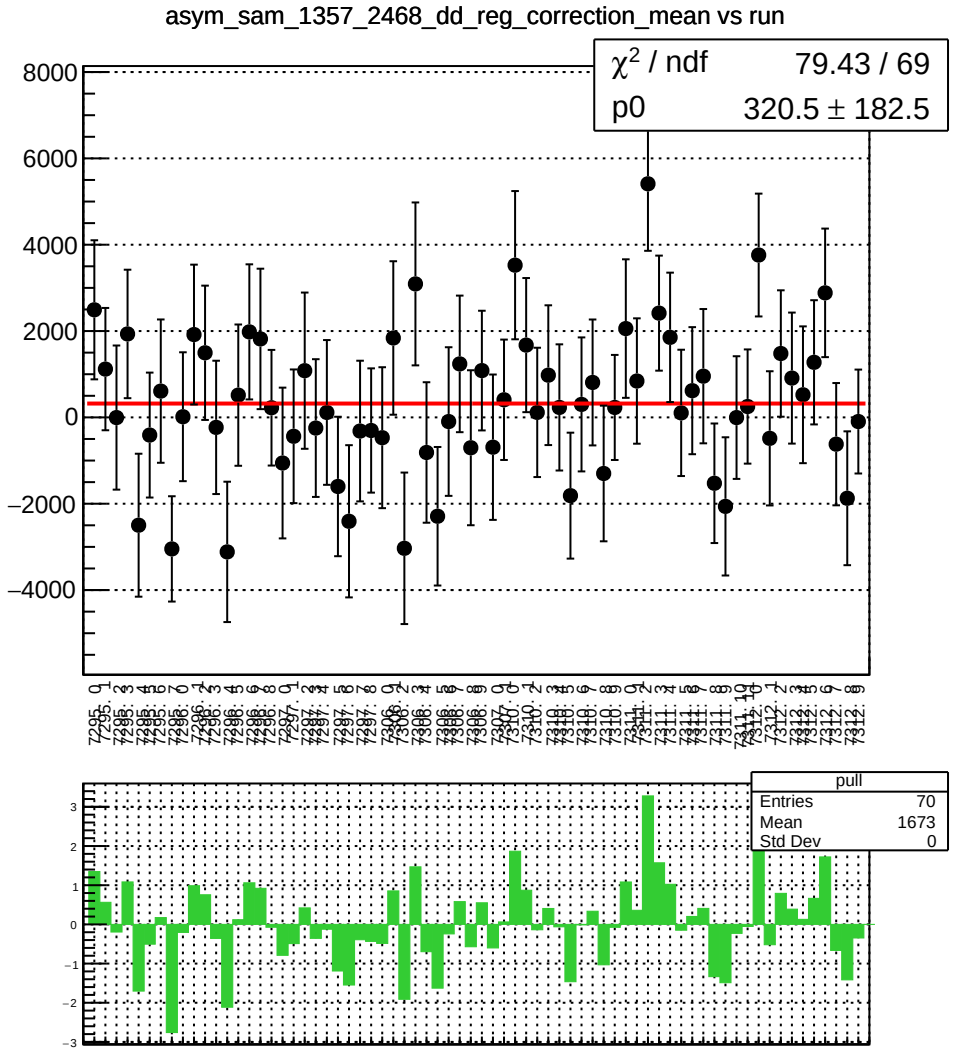

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 57.05 / 69
p0 −5.286e−15 ± 1.118e−14
pull
Entries 70
Mean 104.1
Std Dev 0
pull1D
Entries 70
Mean −0.0173
Std Dev 0.9026

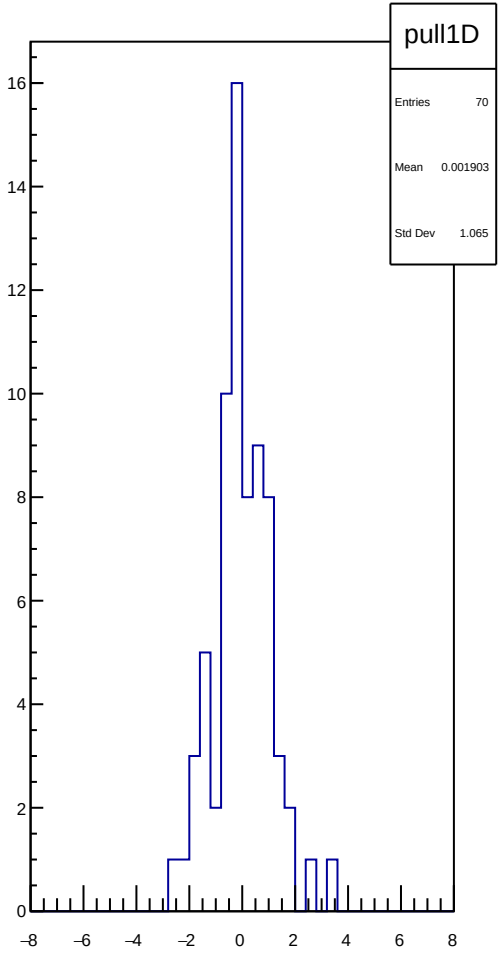

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
40
35
30
25
20
15
10
5
χ² / ndf 3.763e+05 / 69
p0 7.677e−12 ± 7.907e−15

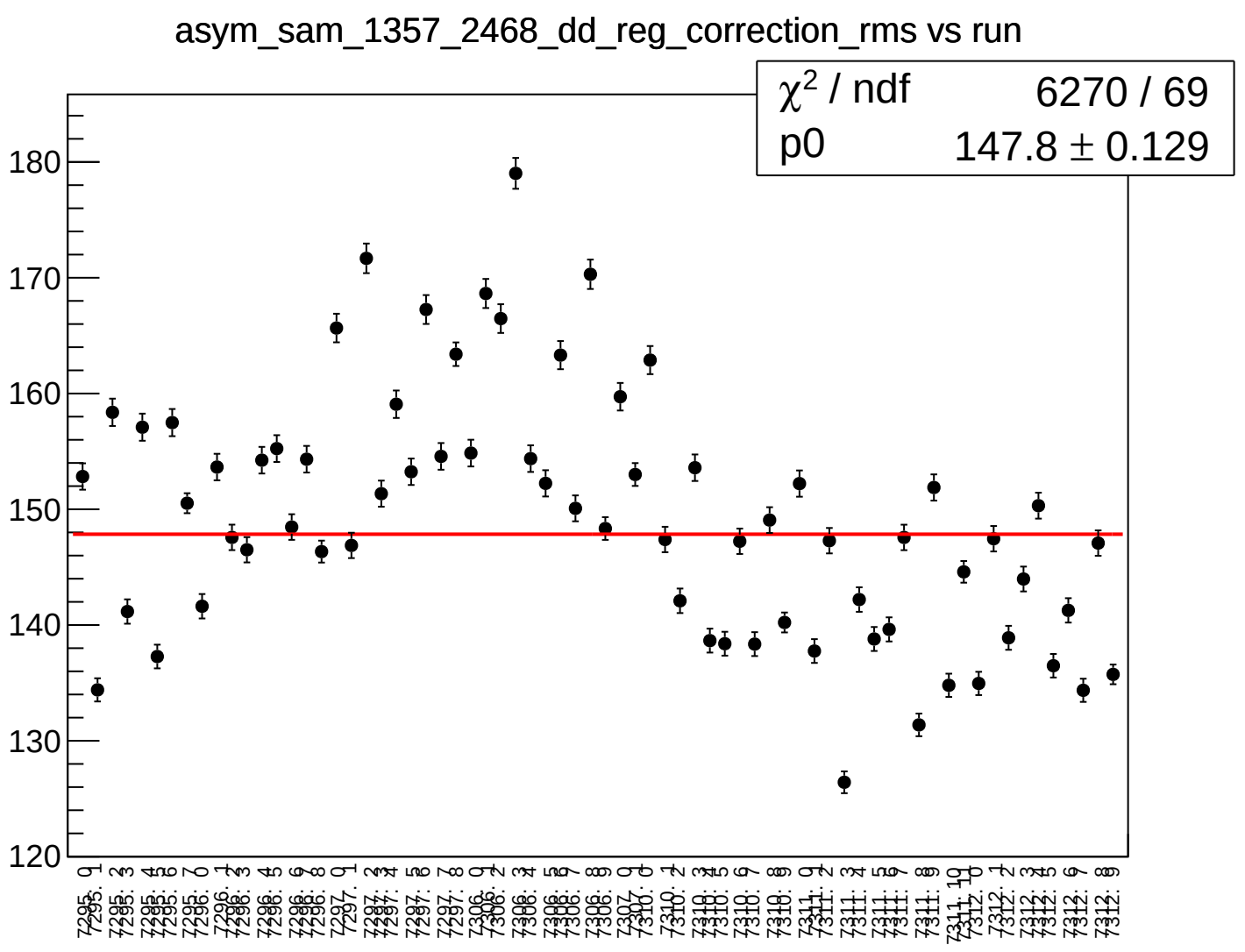

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 100.1 / 69
p0 14.01 ± 25.87
1000
500
0
−500
−1000
pull
Entries 70
Mean 2634
Std Dev 0
3
2
1
0
−1
−2
−3

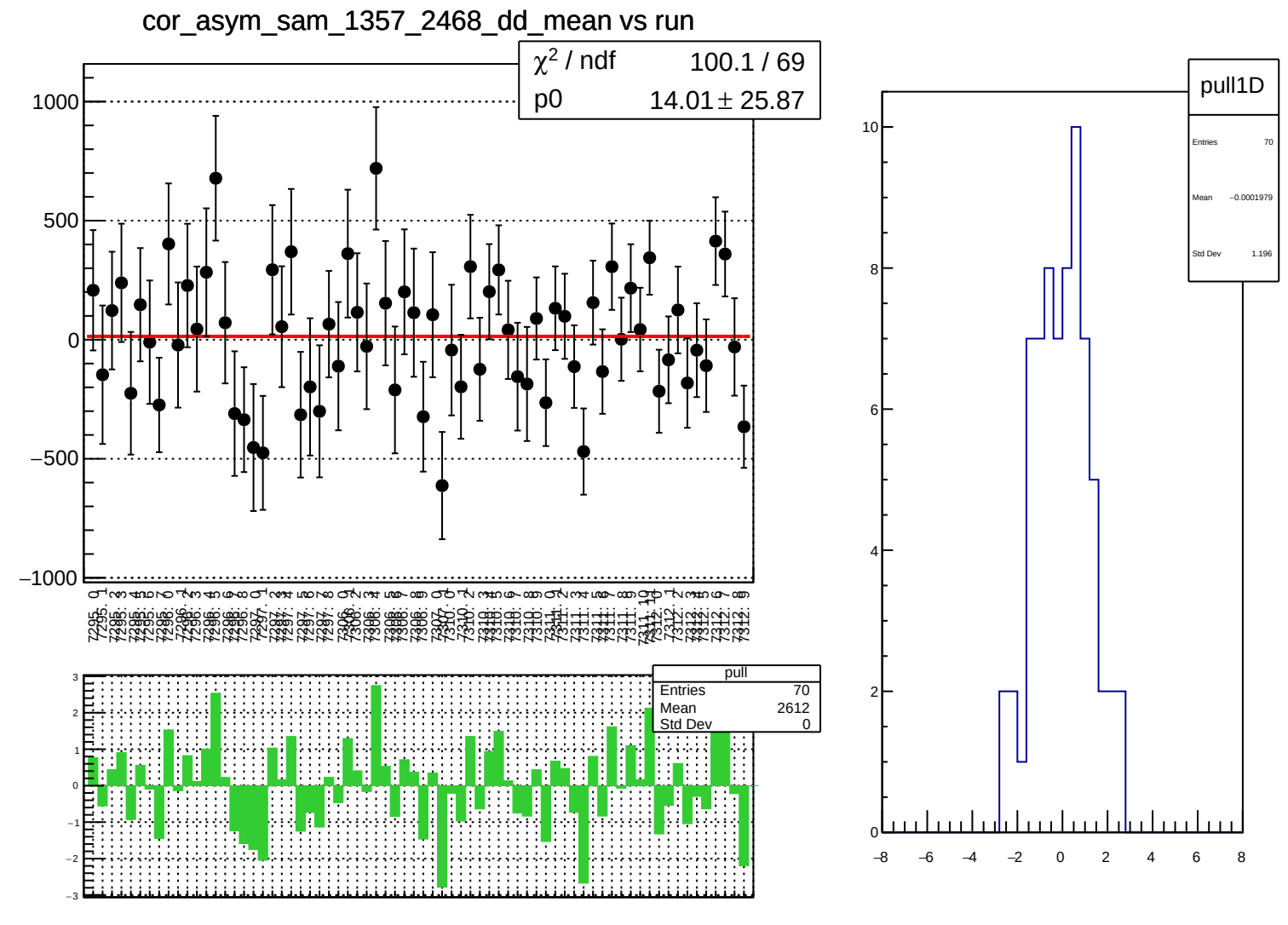

pull1D
Entries 70
Mean −0.0001962
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

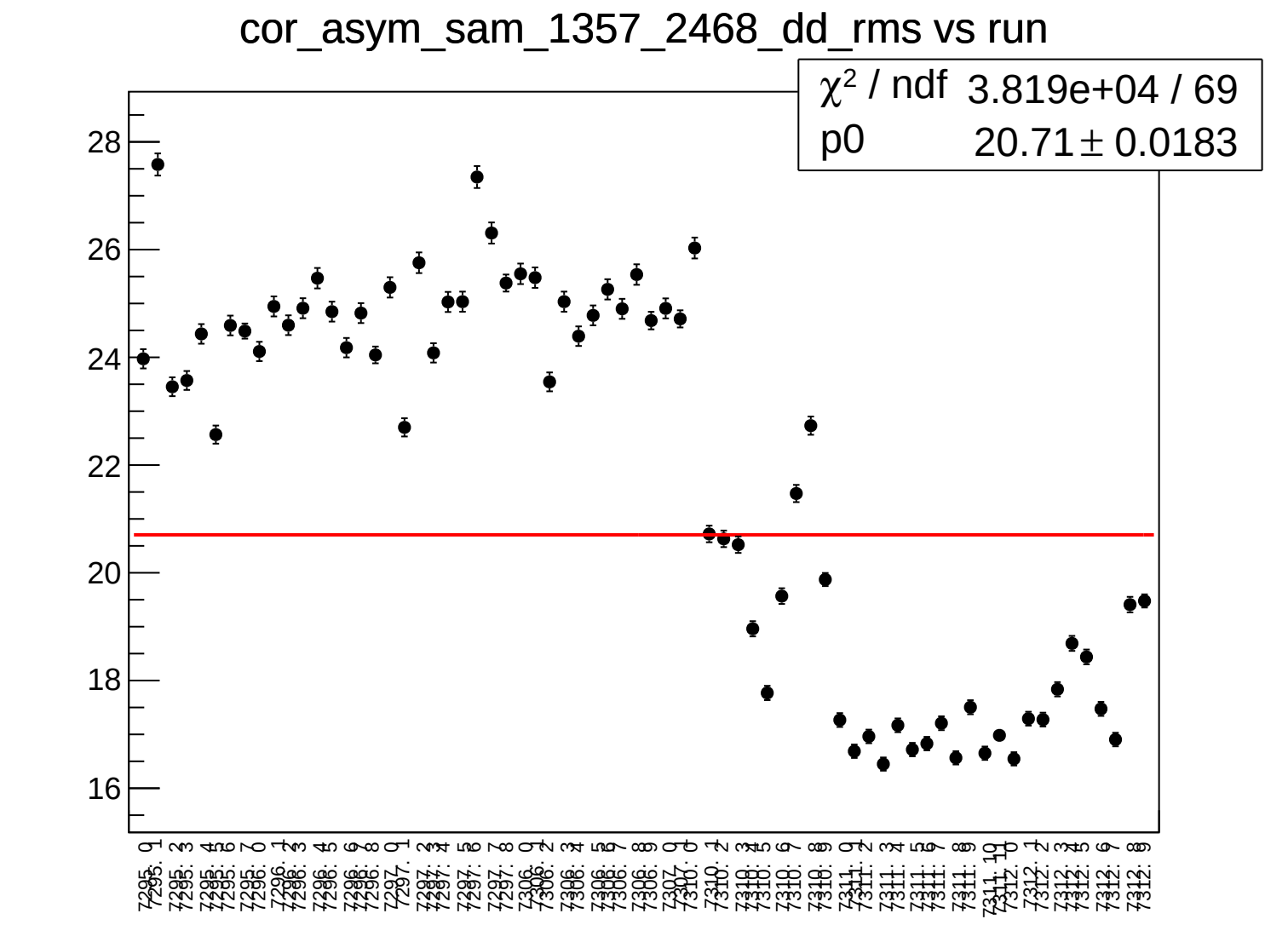

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.819e+04 / 69
p0 20.71 ± 0.0183
28
26
24
22
20
18
16

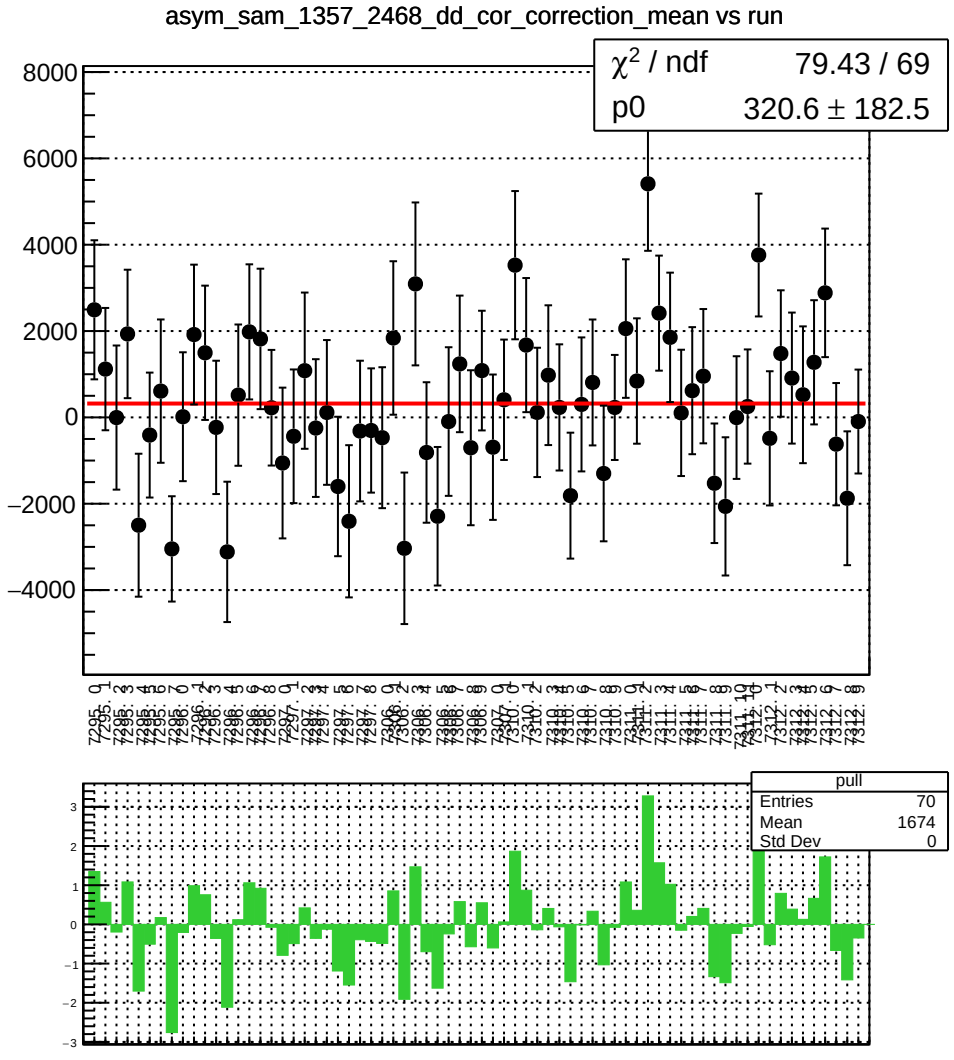

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 79.43 / 69
p0 320.5 ± 182.5
pull
Entries 70
Mean 1673
Std Dev 0

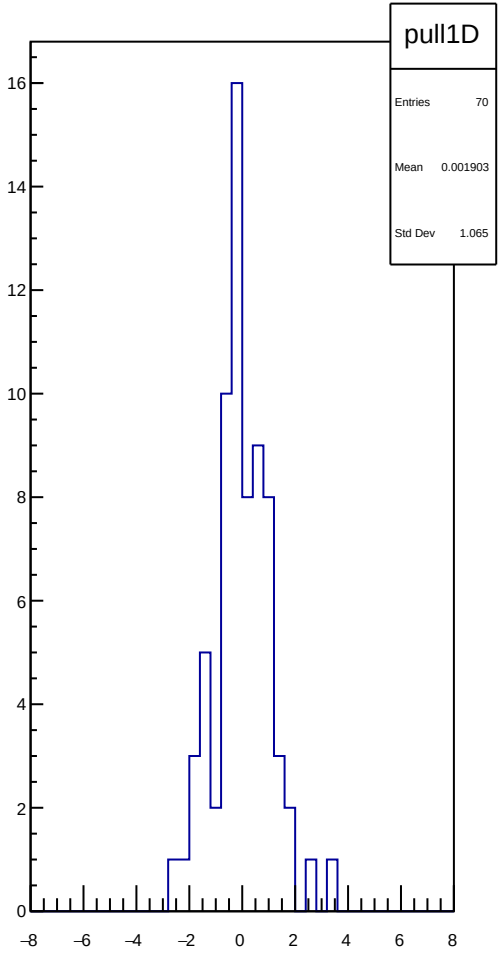

pull1D
Entries 70
Mean 0.001903
Std Dev 1.065

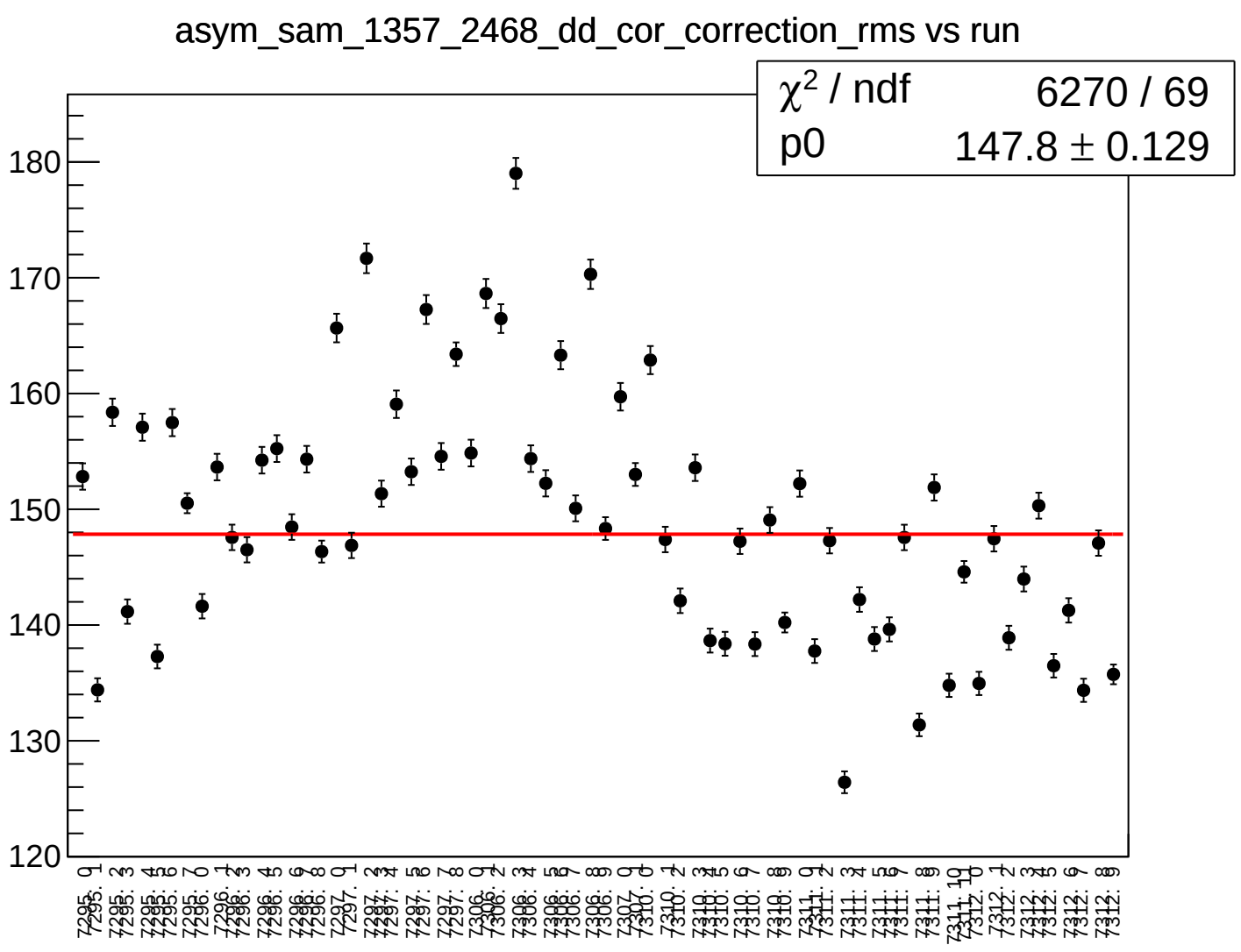

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 6270 / 69
p0 147.8 ± 0.129
180
170
160
150
140
130
120

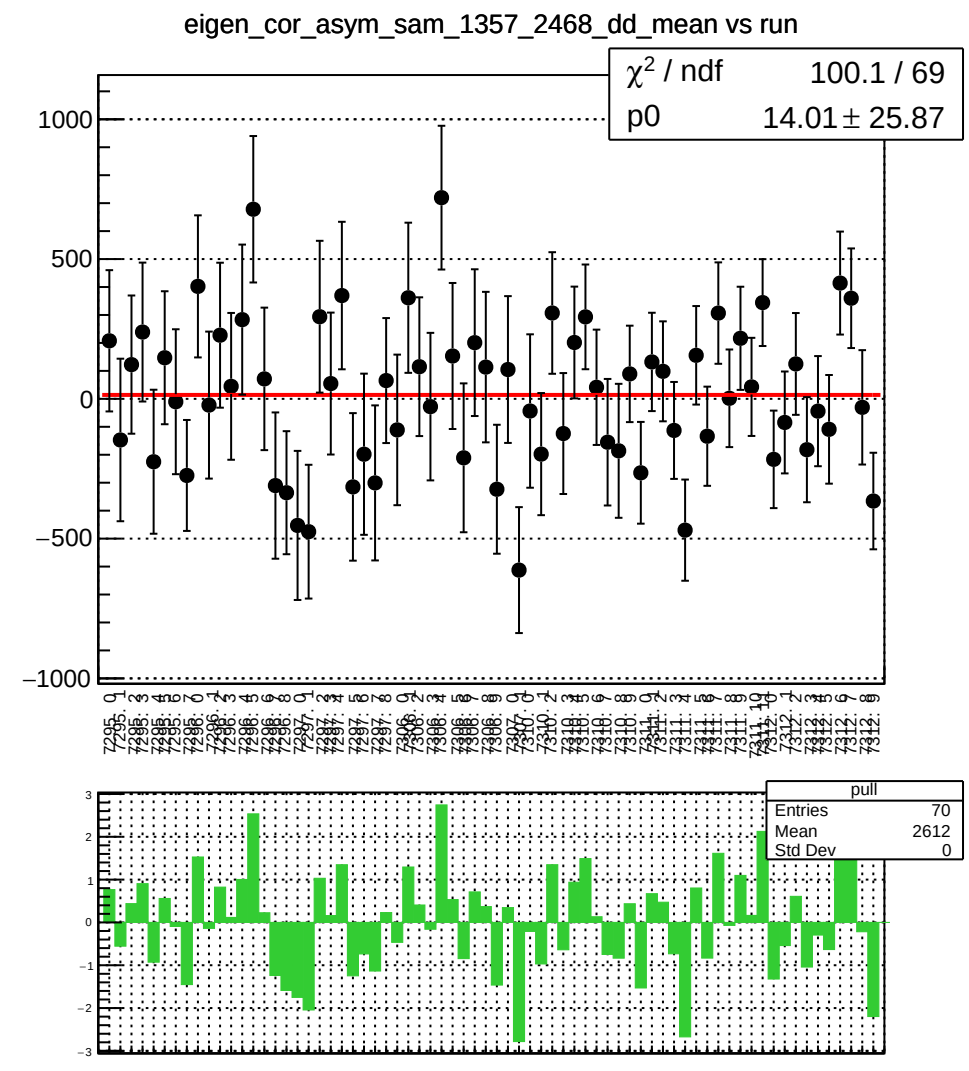

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 100.1 / 69
p0 14.01 ± 25.87
1000
500
0
−500
−1000
pull
Entries 70
Mean 2612
Std Dev 0
pull1D
Entries 70
Mean −0.0001979
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

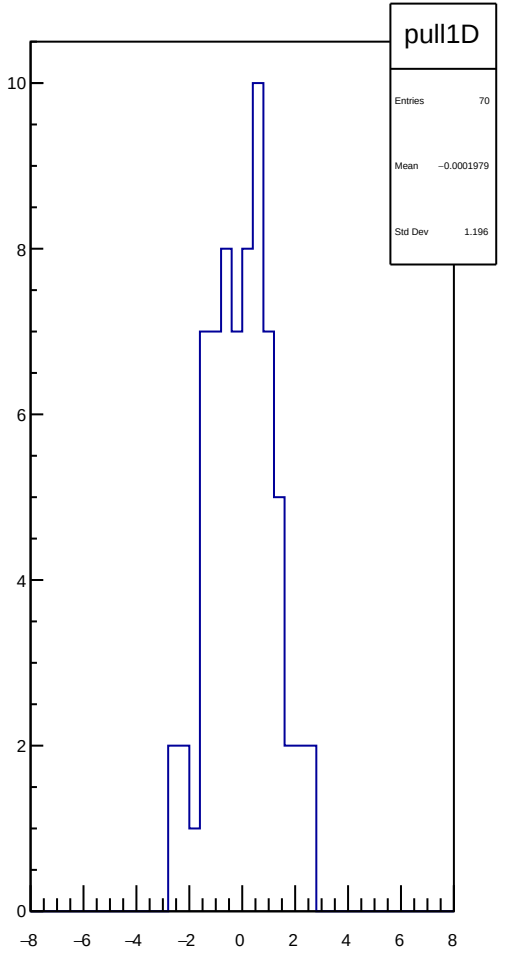

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.819e+04 / 69
p0 20.71 ± 0.0183
28
26
24
22
20
18
16

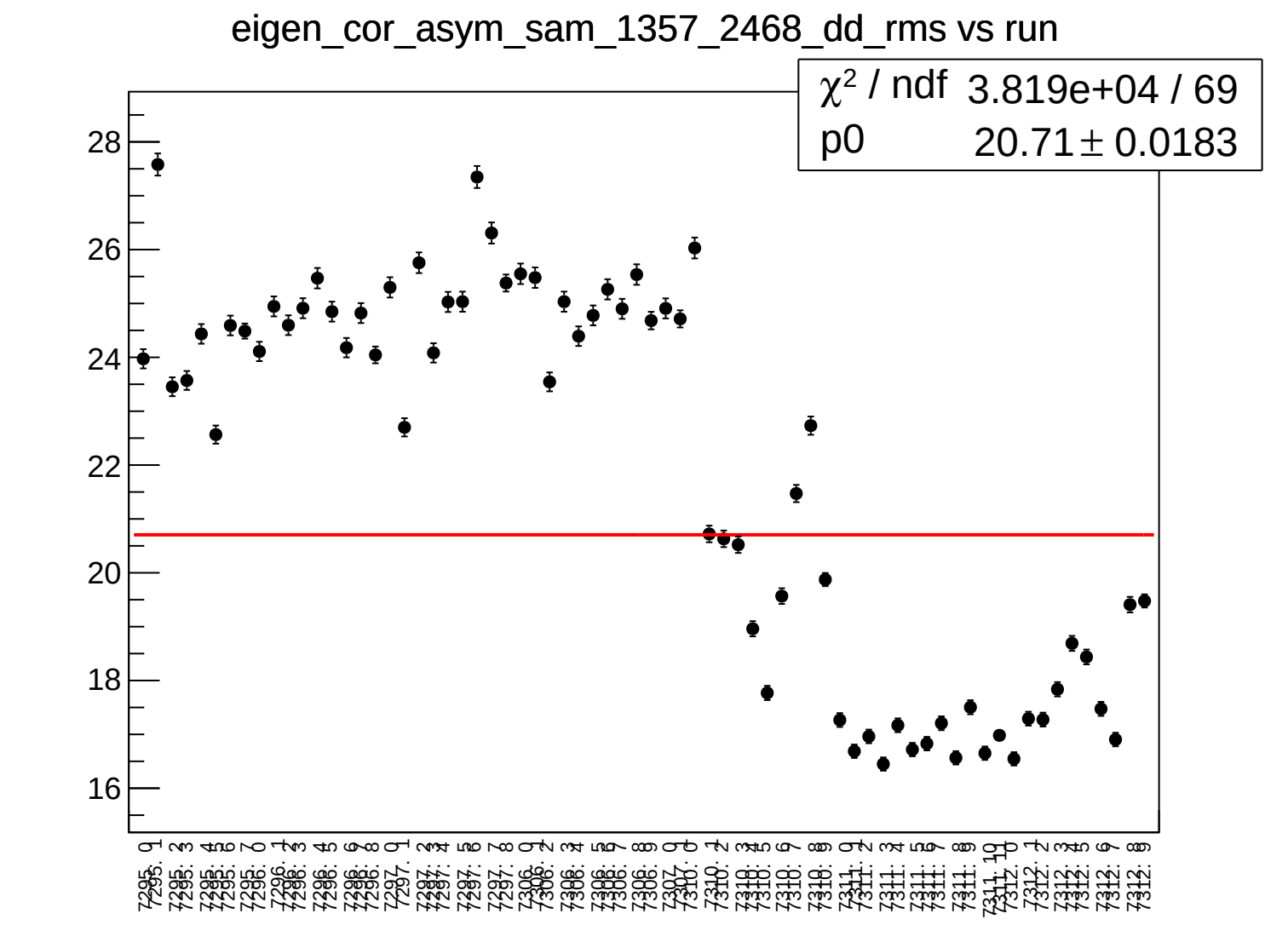

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 79.43 / 69
p0 320.6 ± 182.5
pull
Entries 70
Mean 1674
Std Dev 0

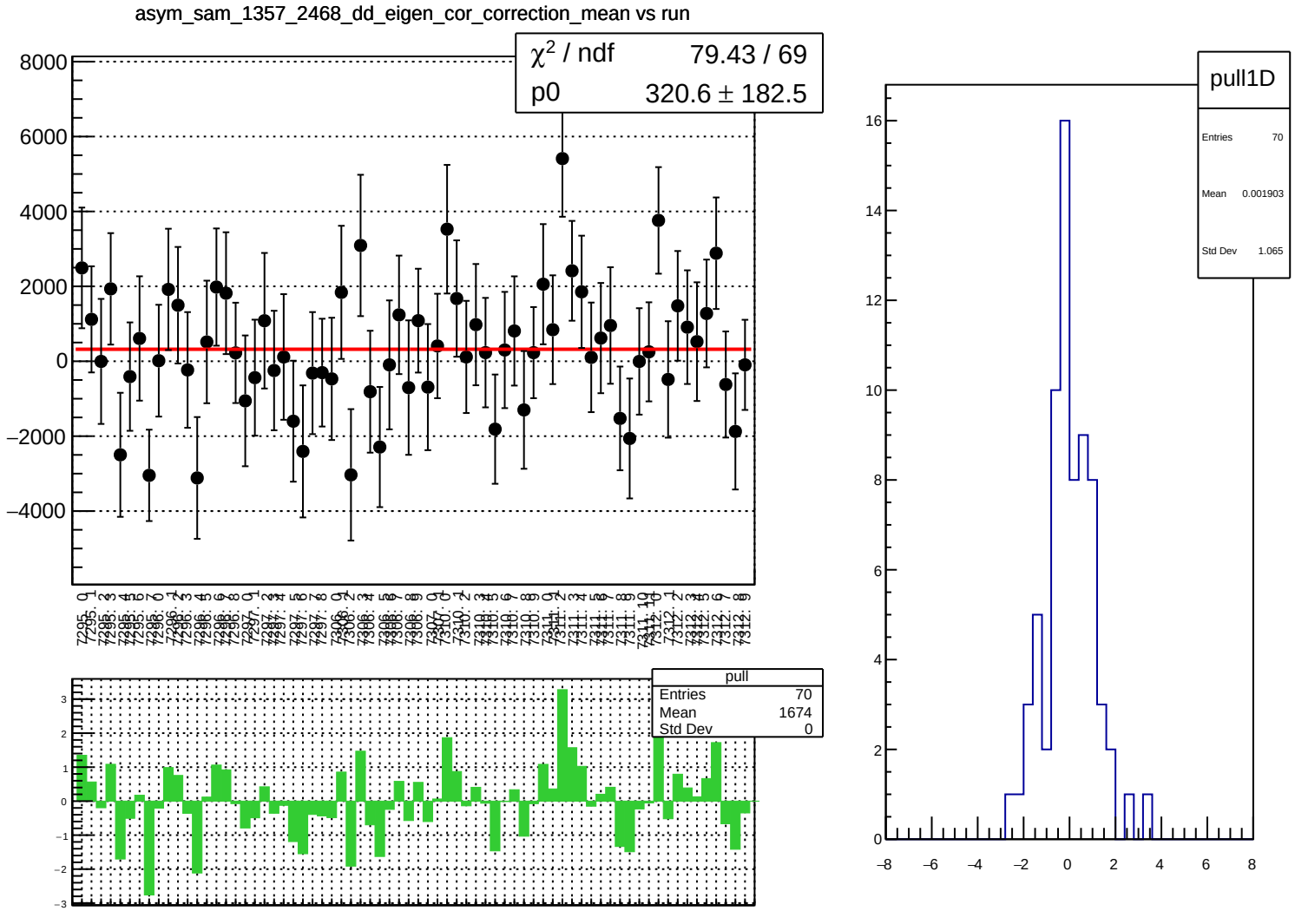

pull1D
Entries 70
Mean 0.001903
Std Dev 1.065

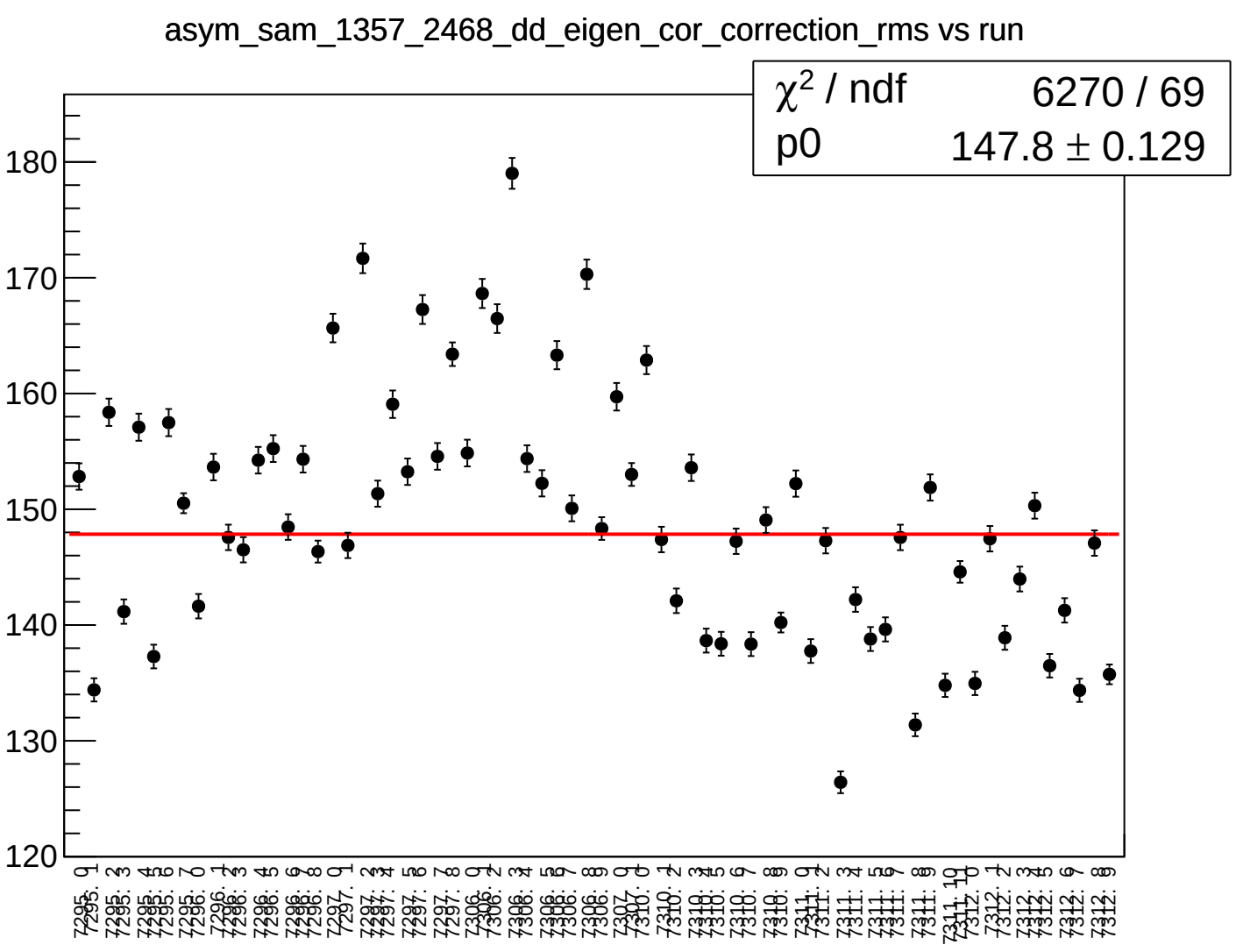

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ^2 / ndf 6270 / 69
p0 147.8 ± 0.129
180
170
160
150
140
130
120

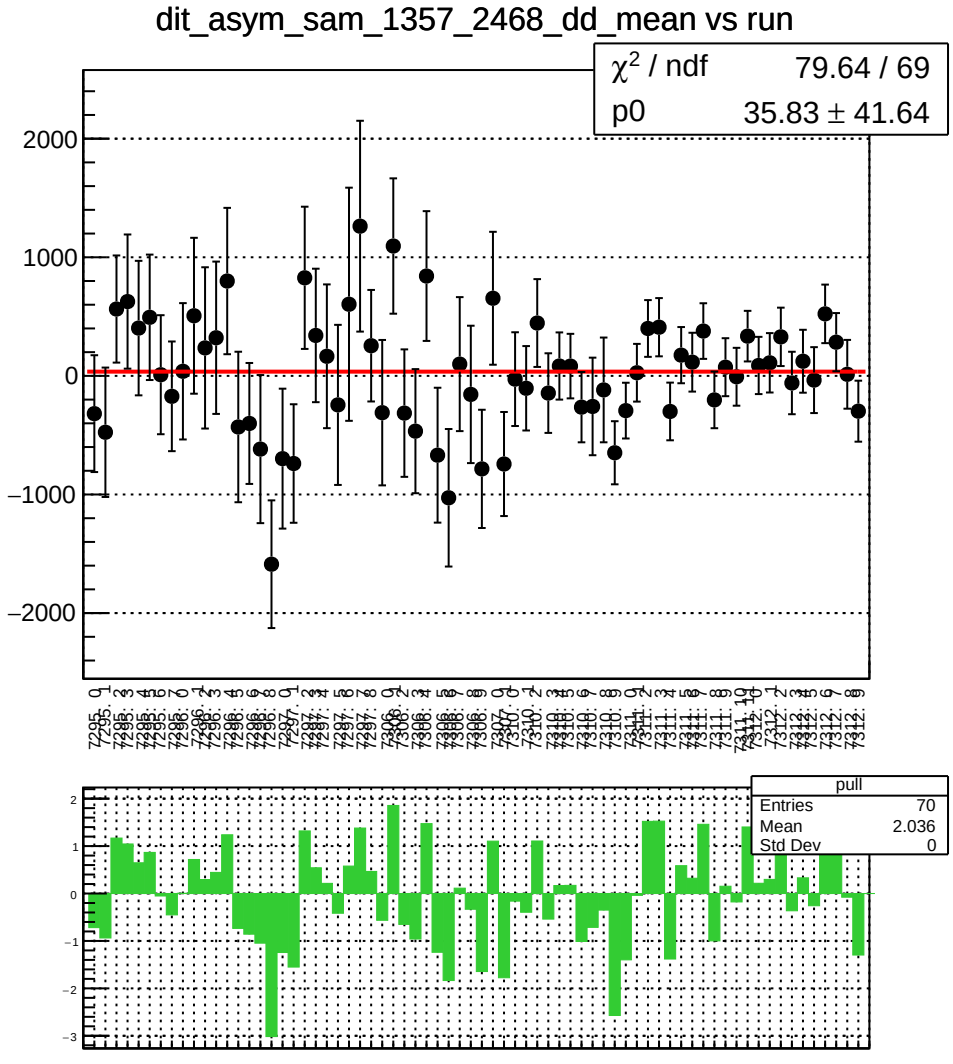

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 100.1 / 69
p0 14.01 ± 25.87
1000
500
0
−500
−1000
pull
Entries 70
Mean 2612
Std Dev 0
3
2
1
0
−1
−2
−3

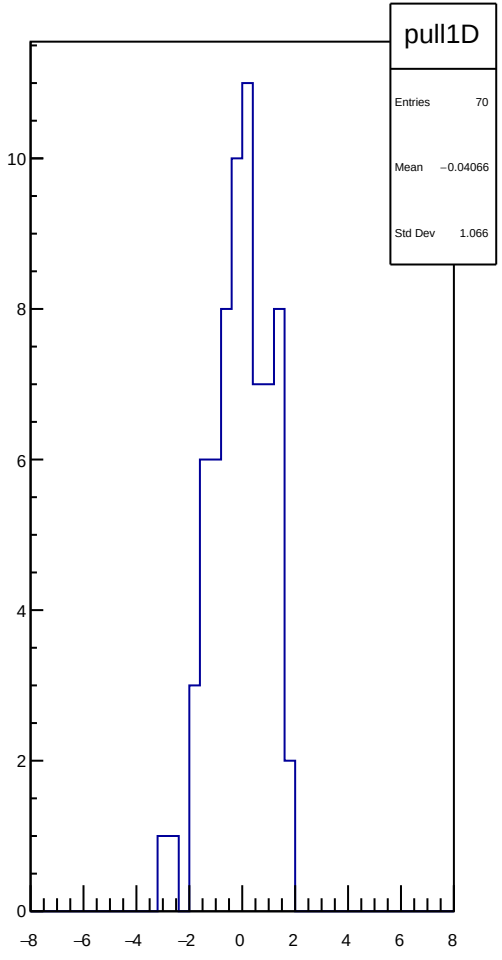

pull1D
Entries 70
Mean −0.0001979
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

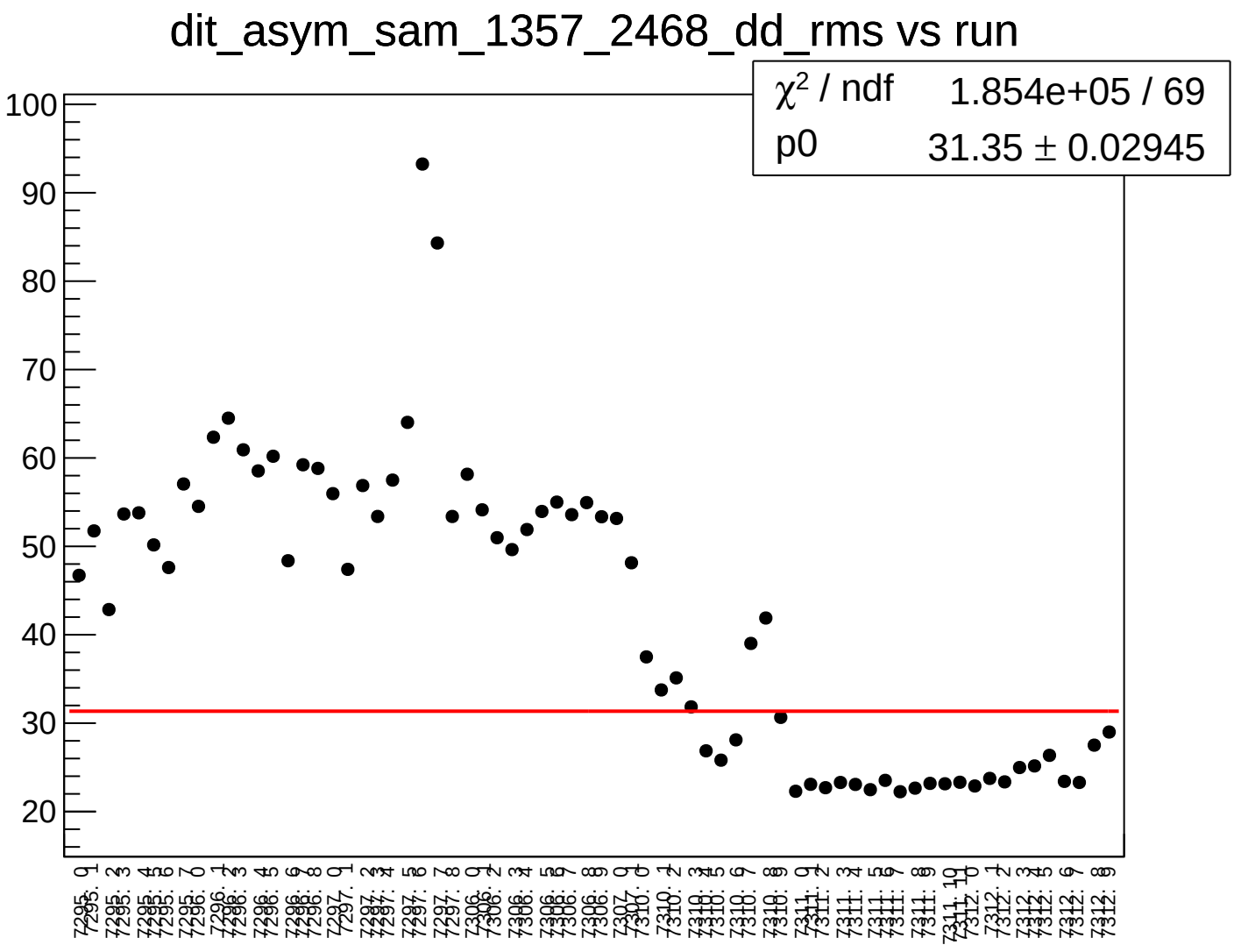

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.819e+04 / 69
p0 20.71 ± 0.0183
28
26
24
22
20
18
16

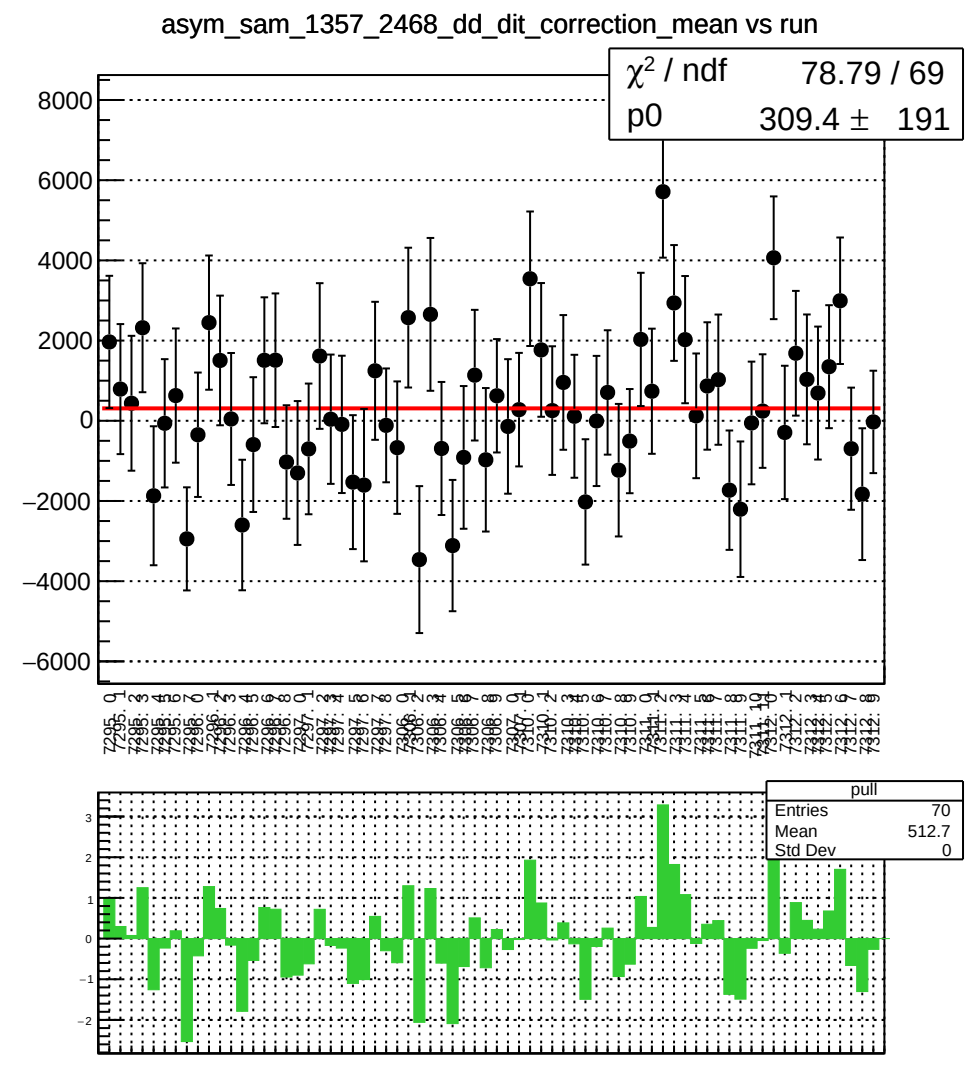

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.43 / 69
p0 320.6 ± 182.5
pull
Entries 70
Mean 1674
Std Dev 0
pull1D
Entries 70
Mean 0.001903
Std Dev 1.065

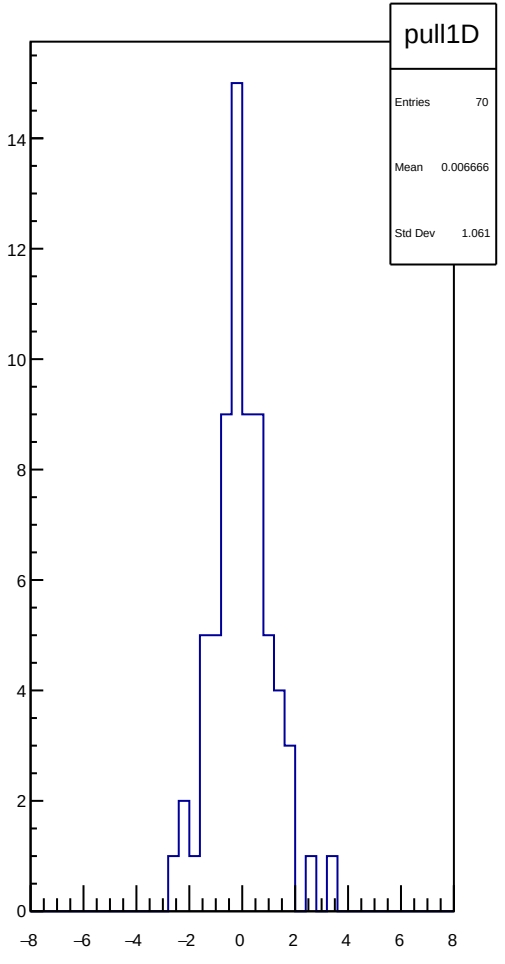

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 6270 / 69
p0 147.8 ± 0.129
180
170
160
150
140
130
120

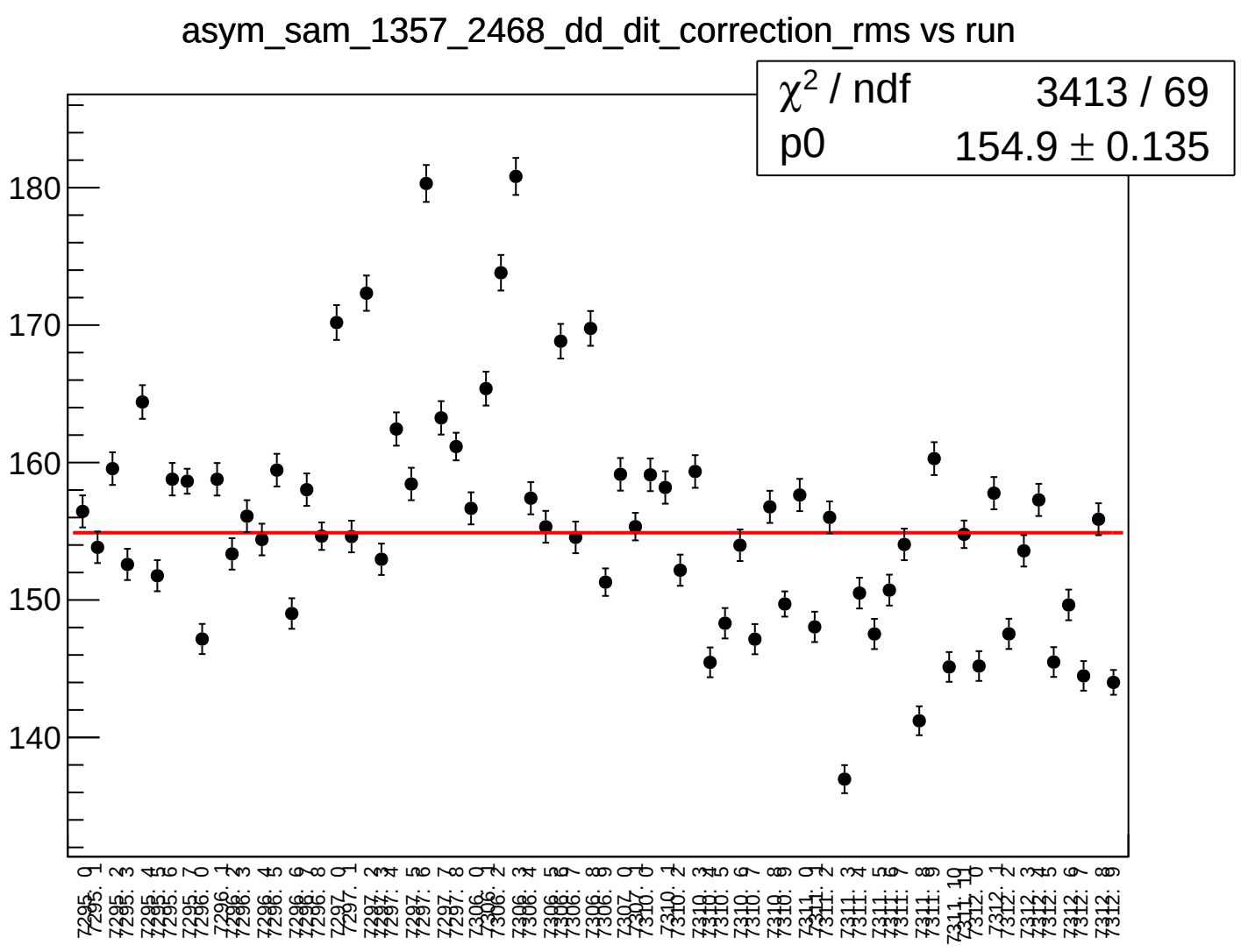

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 79.64 / 69
p0 35.83 ± 41.64
pull
Entries 70
Mean 2.036
Std Dev 0

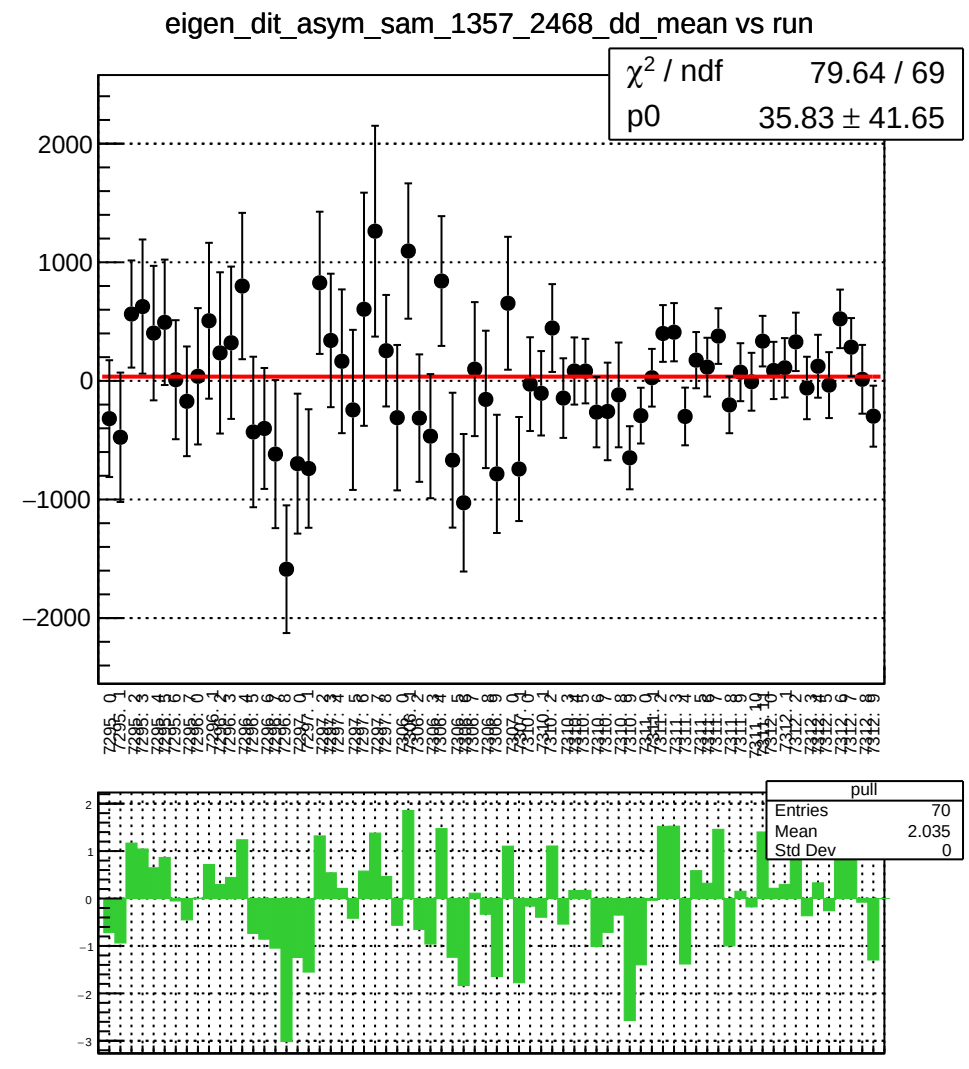

pull1D
Entries 70
Mean −0.04066
Std Dev 1.066

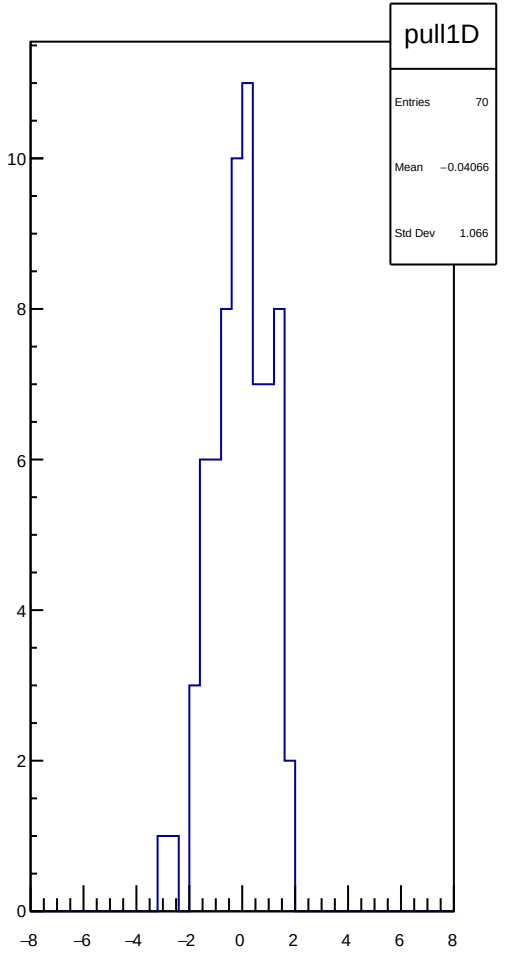

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.854e+05 / 69
p0 31.35 ± 0.02945
100
90
80
70
60
50
40
30
20

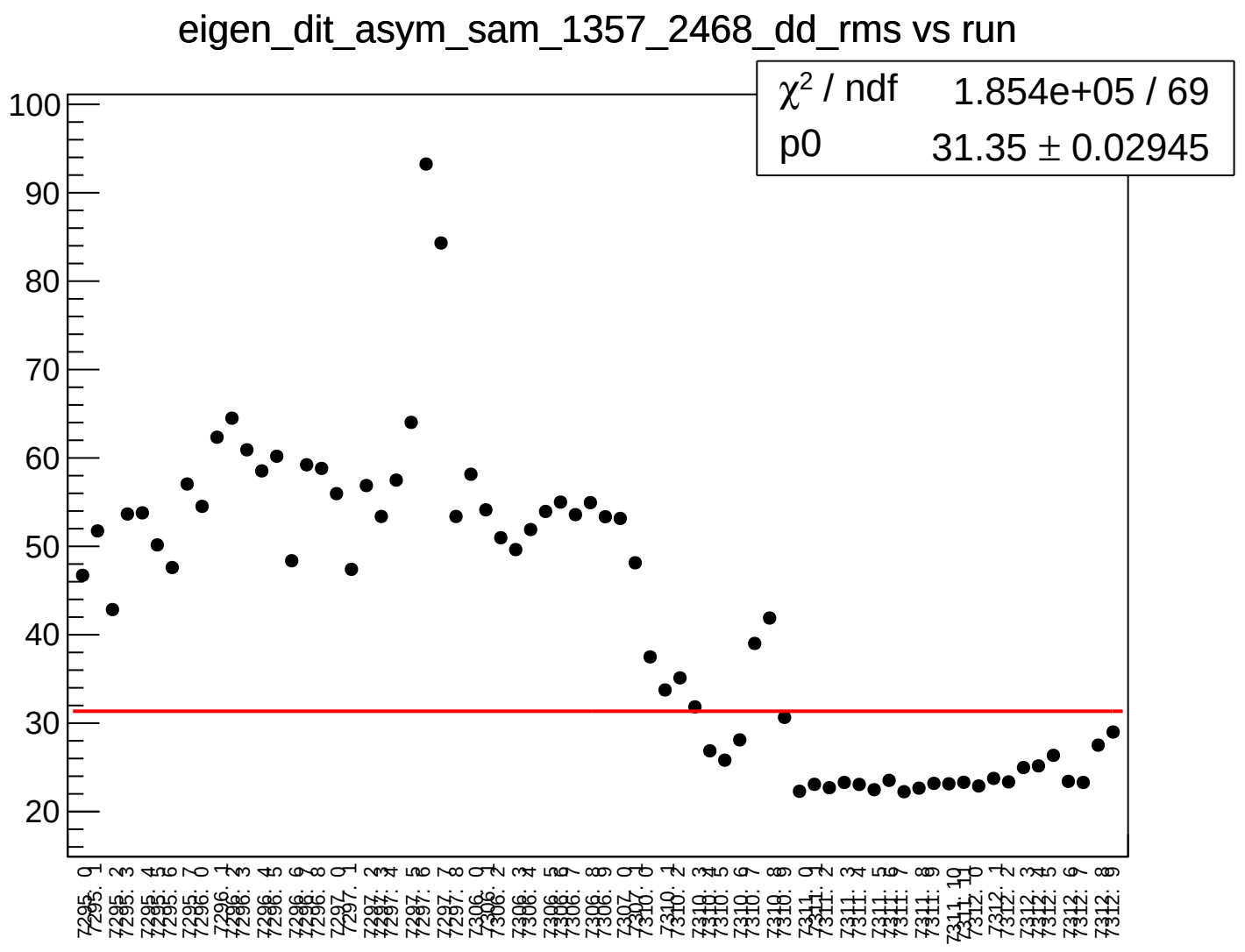

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 78.79 / 69
p0 309.4 ± 191
pull
Entries 70
Mean 512.7
Std Dev 0

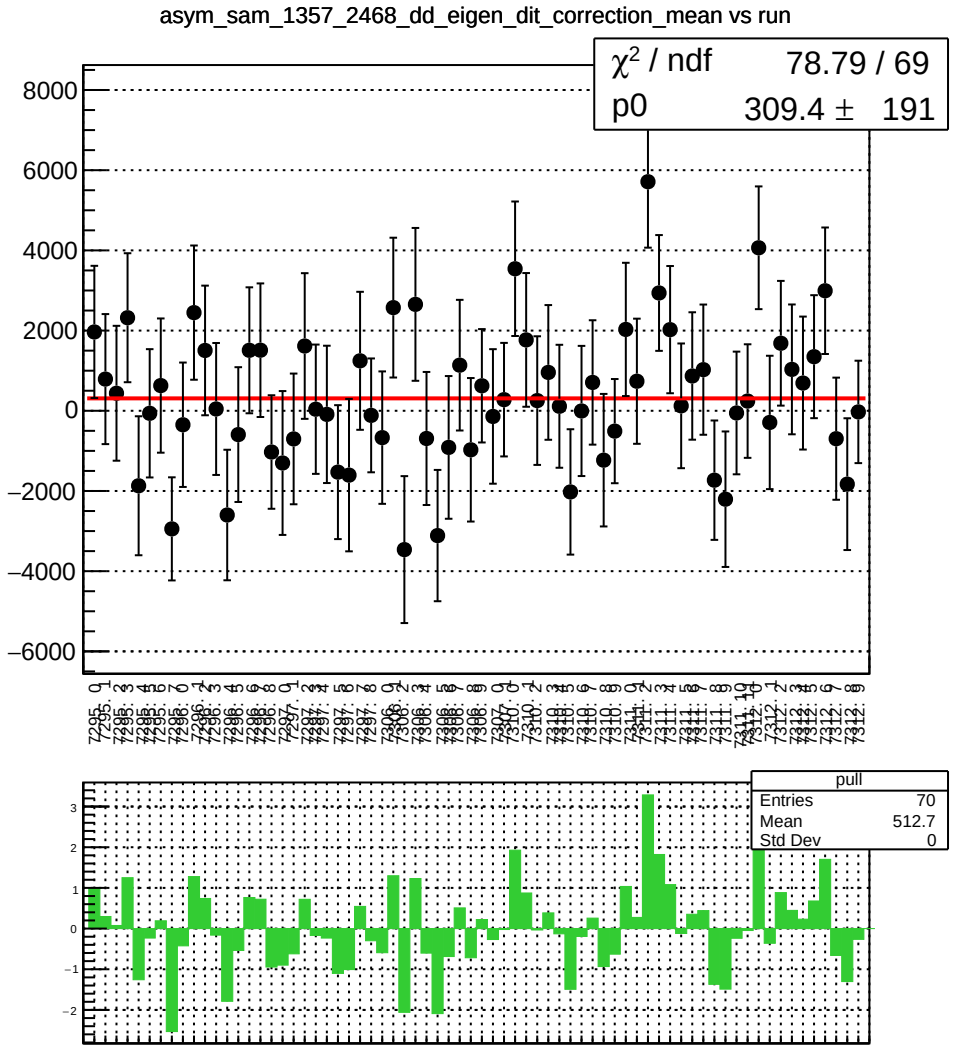

pull1D
Entries 70
Mean 0.006666
Std Dev 1.061

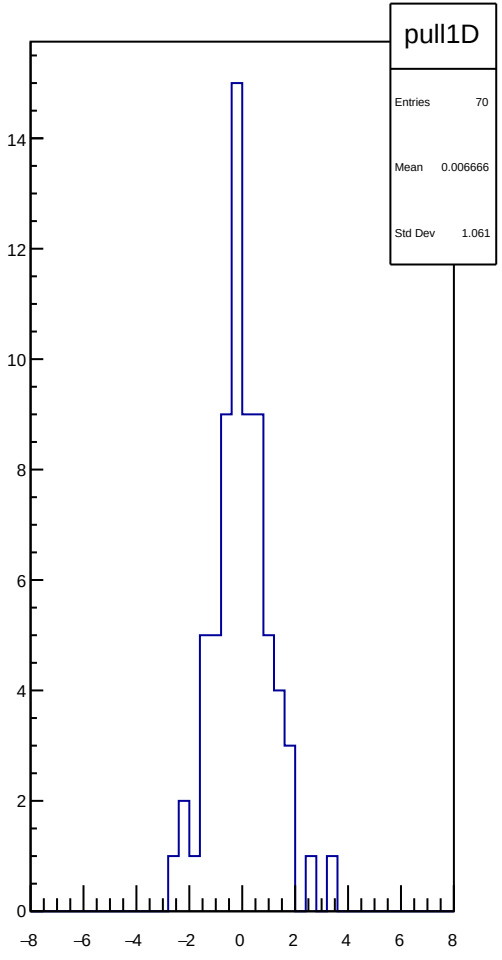

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3413 / 69
p0 154.9 ± 0.135
180
170
160
150
140

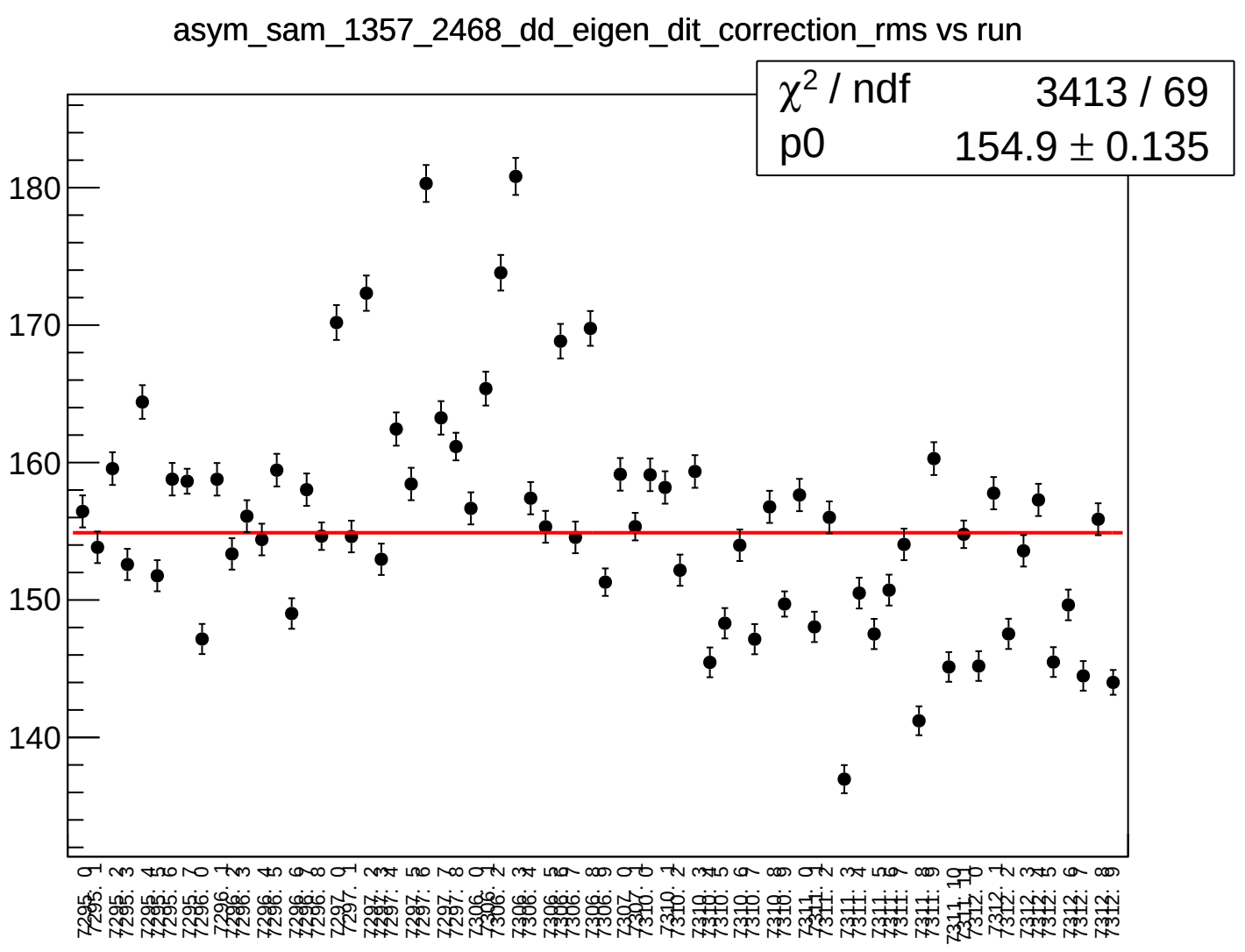

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 79.64 / 69
p0 35.83 ± 41.65
pull
Entries 70
Mean 2.035
Std Dev 0

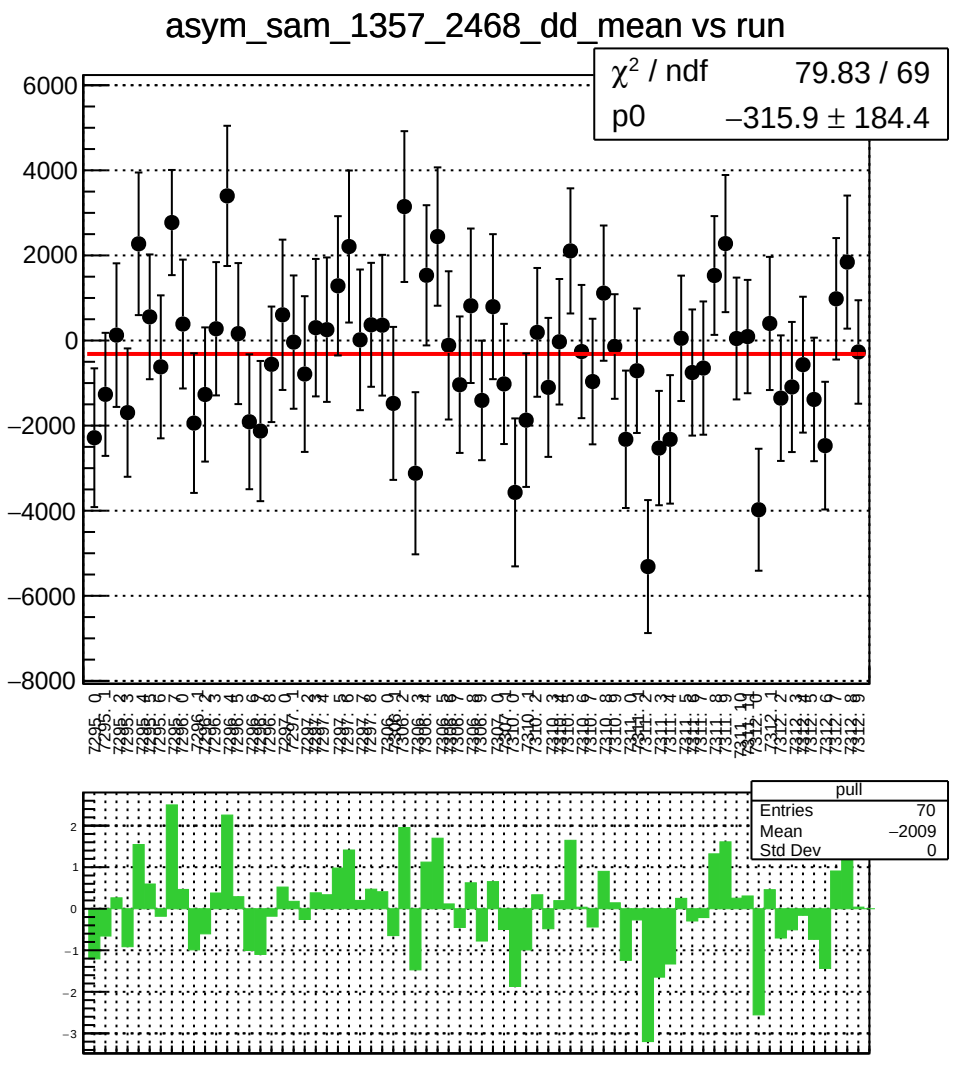

pull1D
Entries 70
Mean −0.04066
Std Dev 1.066

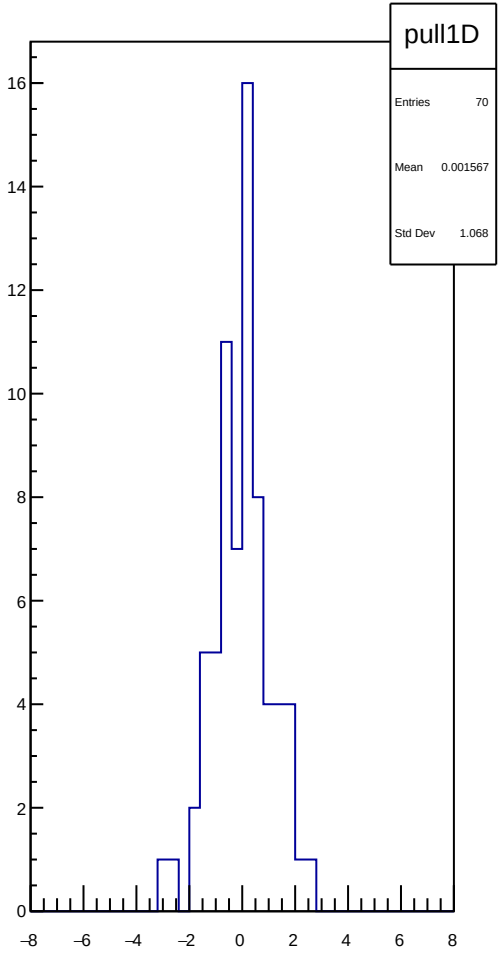

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.854e+05 / 69
p0 31.35 ± 0.02945
100
90
80
70
60
50
40
30
20

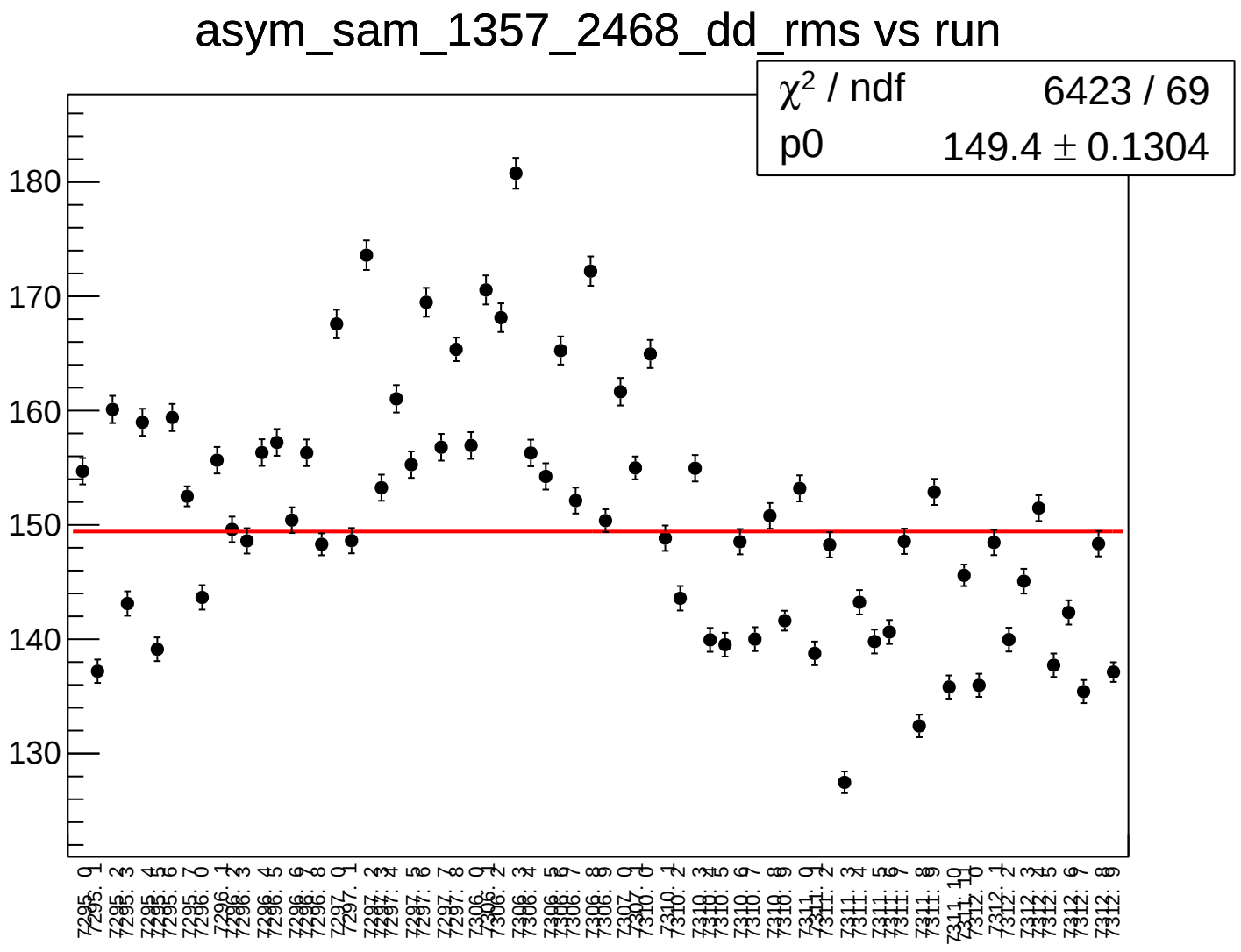

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.79 / 69
p0 309.4 ± 191
pull
Entries 70
Mean 512.7
Std Dev 0

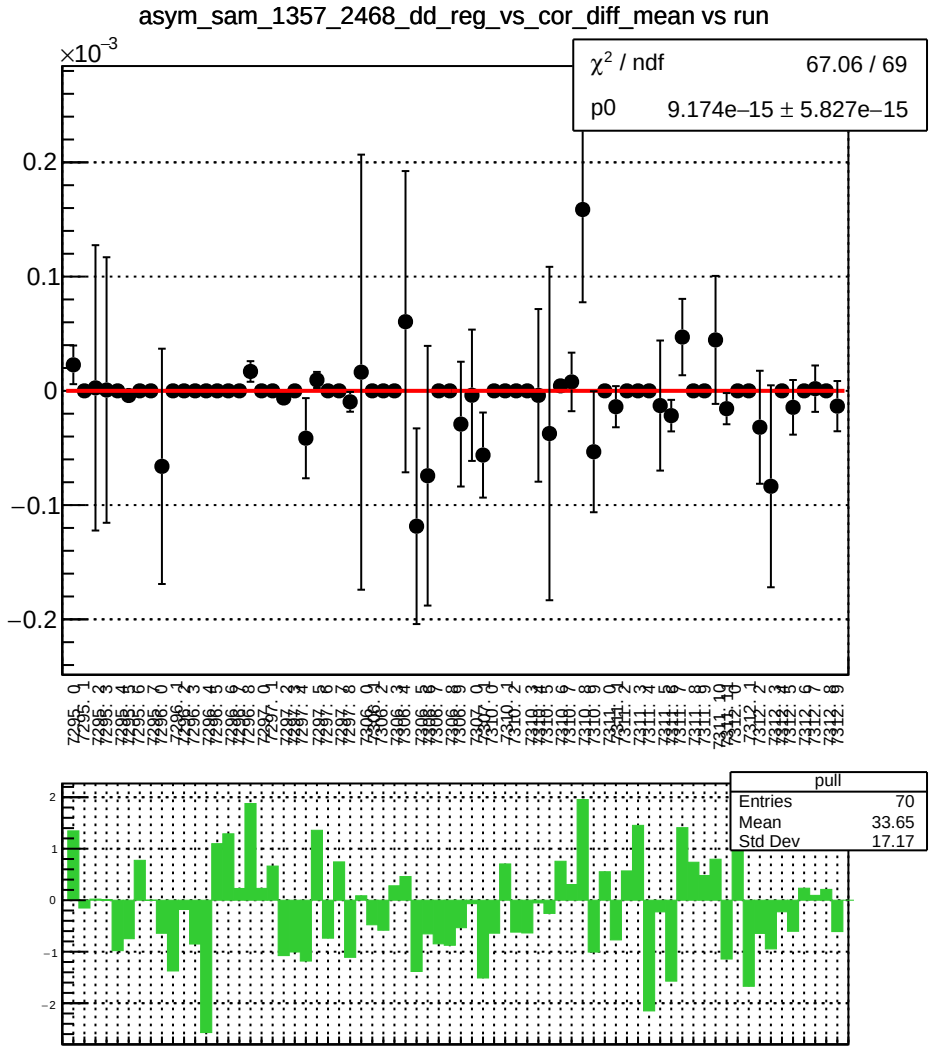

pull1D
Entries 70
Mean 0.006666
Std Dev 1.061

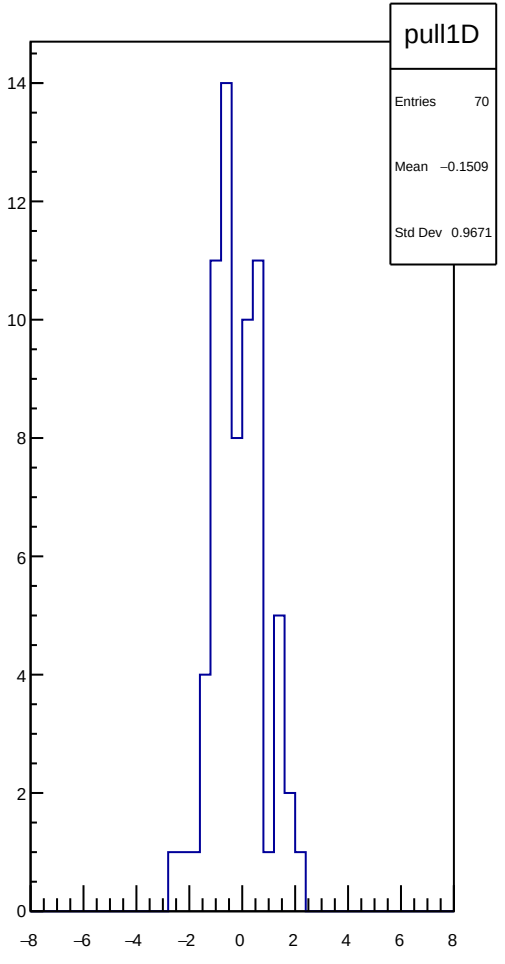

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3413 / 69
p0 154.9 ± 0.135
180
170
160
150
140

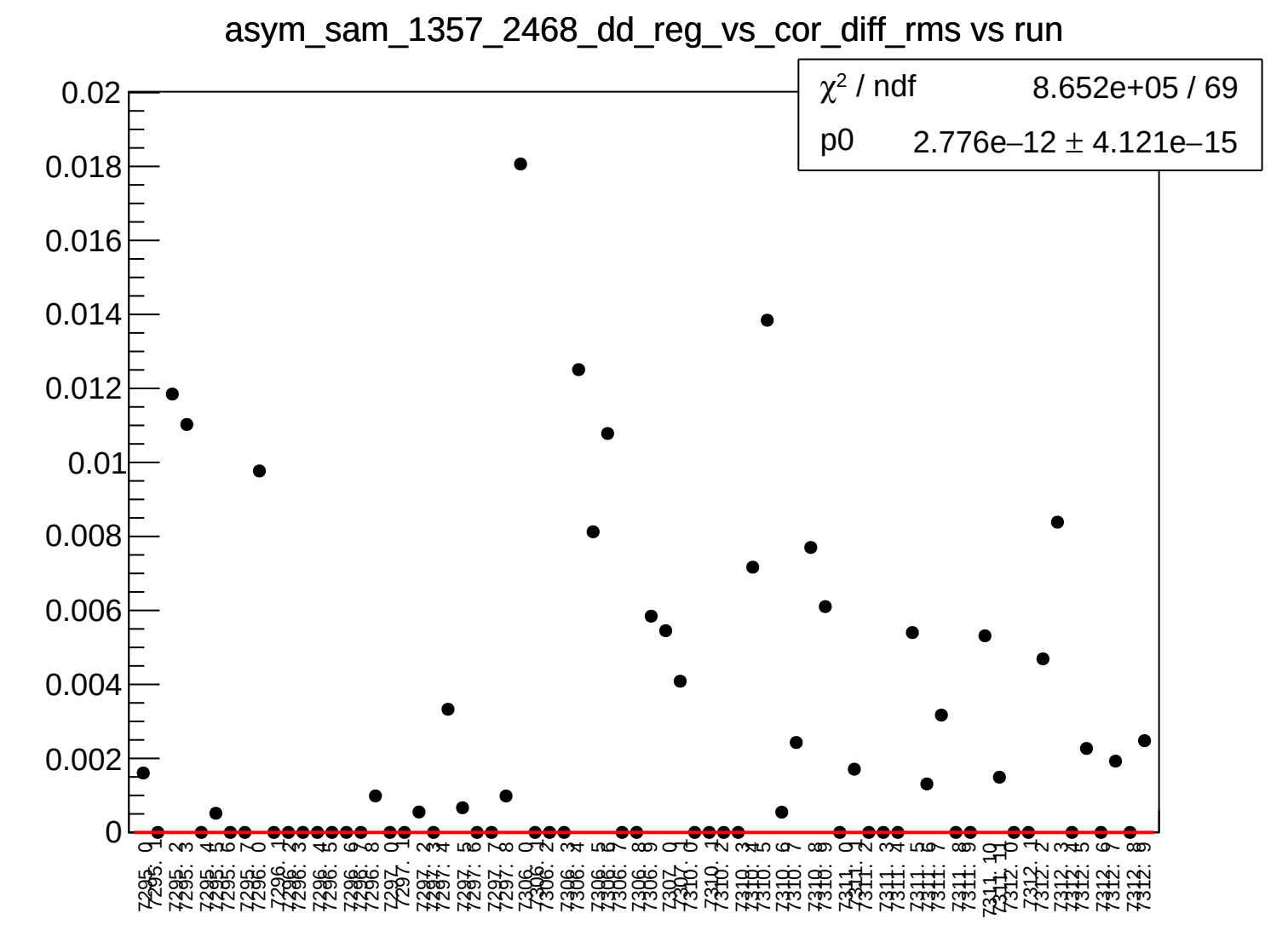

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 79.83 / 69
p0 −315.9 ± 184.4
pull
Entries 70
Mean −2009
Std Dev 0

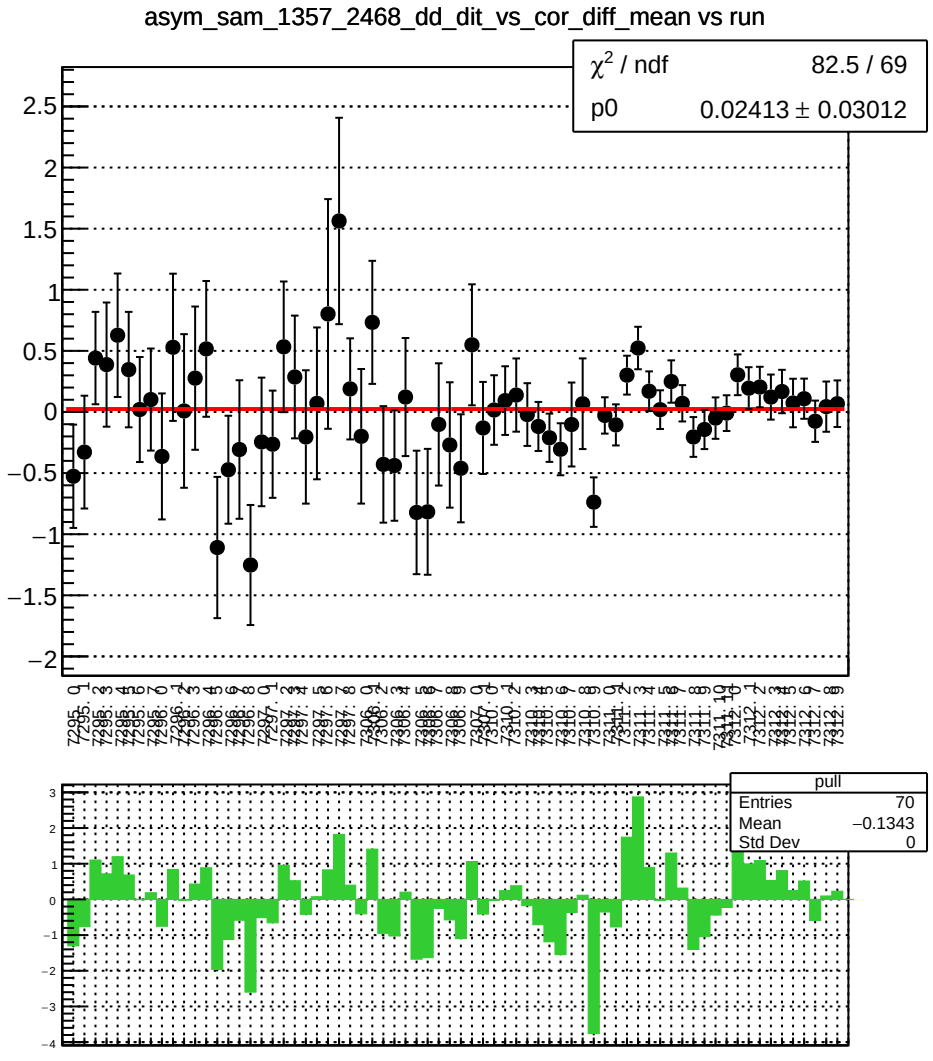

pull1D
Entries 70
Mean 0.001567
Std Dev 1.068

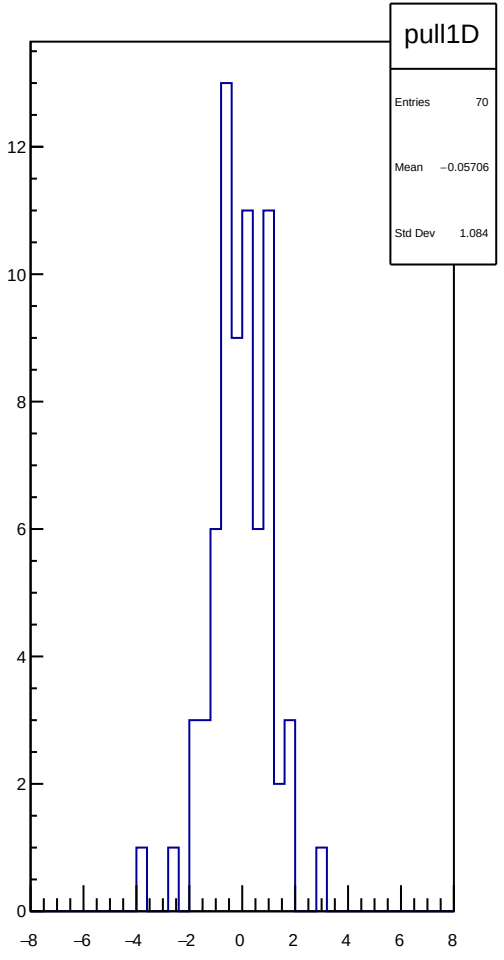

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6423 / 69
p0 149.4 ± 0.1304
180
170
160
150
140
130

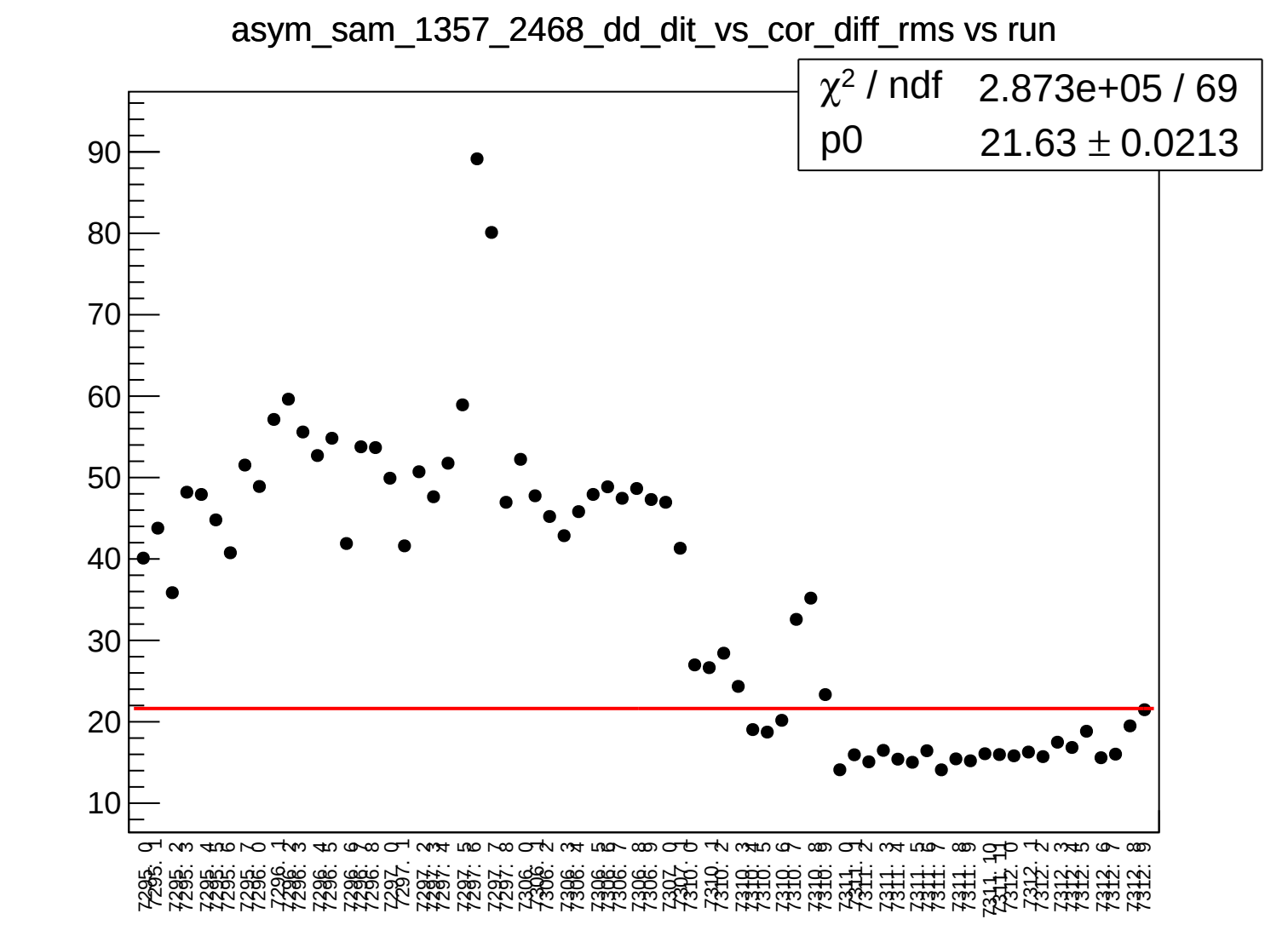

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 67.06 / 69
p0 9.174e−15 ± 5.827e−15
pull
Entries 70
Mean 33.65
Std Dev 17.17

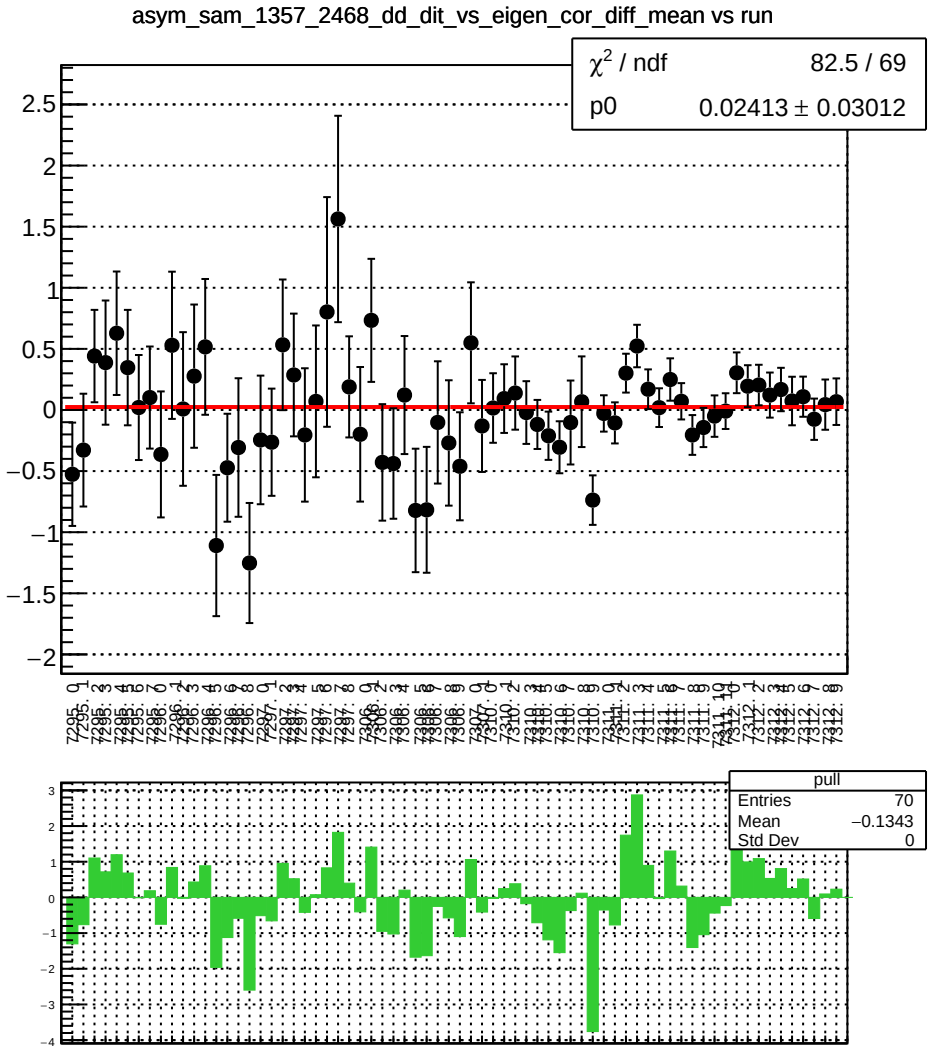

pull1D
Entries 70
Mean −0.1509
Std Dev 0.9671

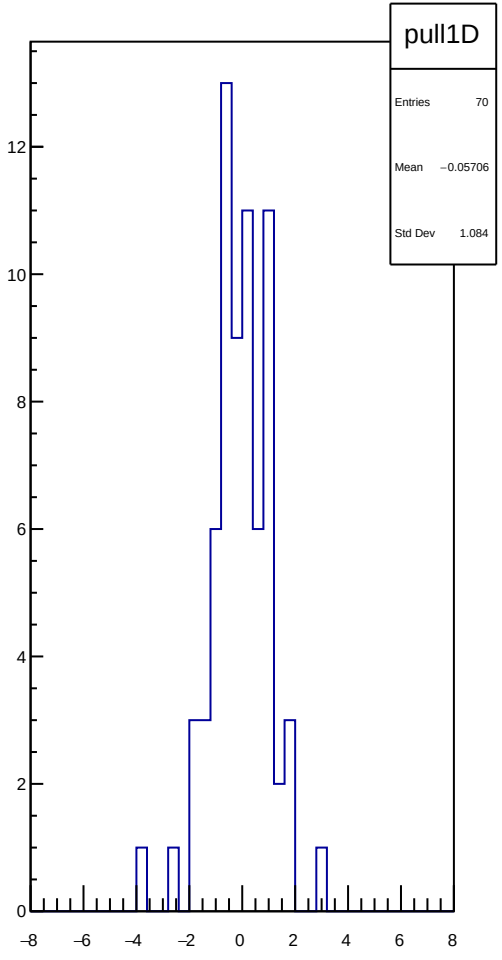

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.652e+05 / 69
p0 2.776e−12 ± 4.121e−15
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

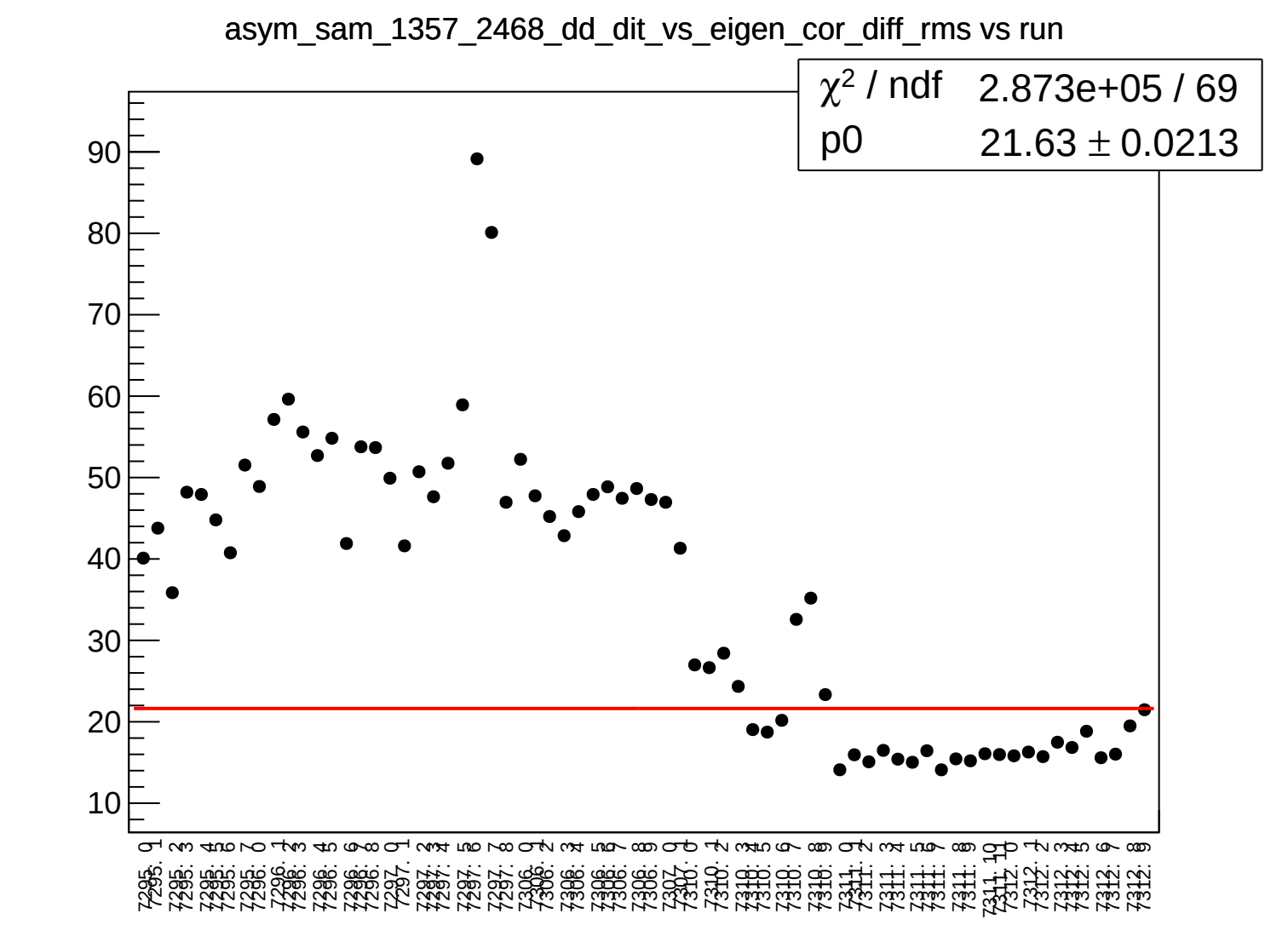

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.5 / 69
p0 0.02413 ± 0.03012
pull
Entries 70
Mean −0.1343
Std Dev 0

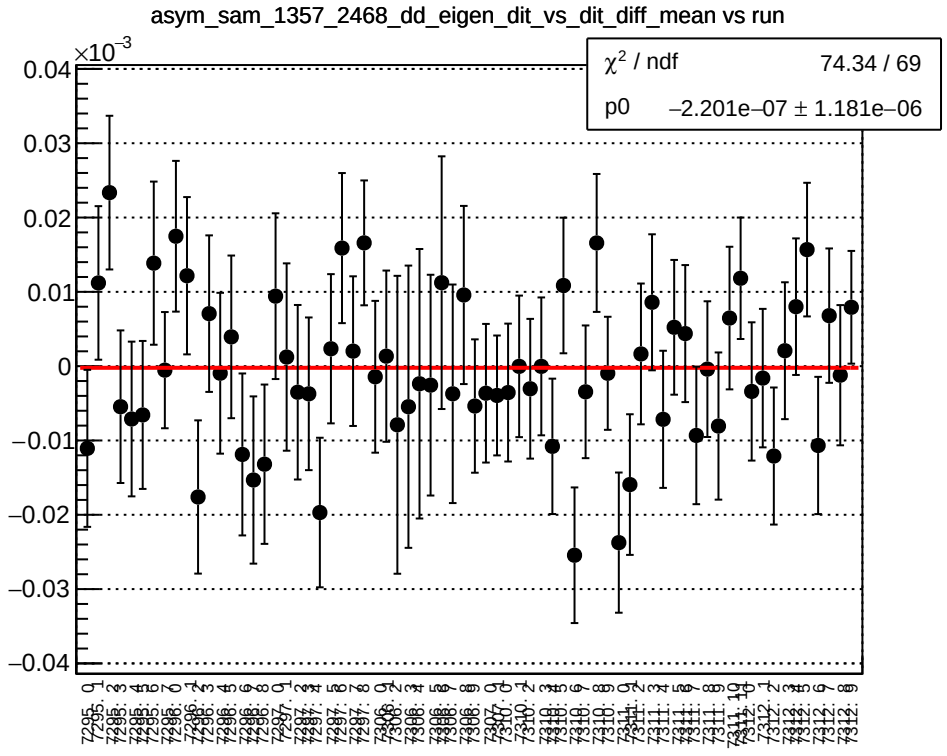

pull1D
Entries 70
Mean −0.05706
Std Dev 1.084

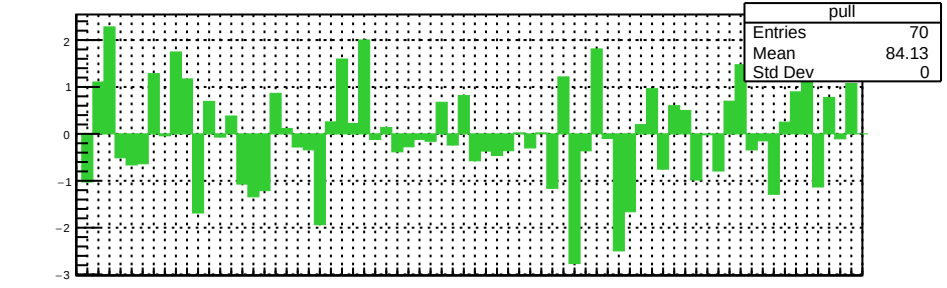

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 69
p0 21.63 ± 0.0213
90
80
70
60
50
40
30
20
10

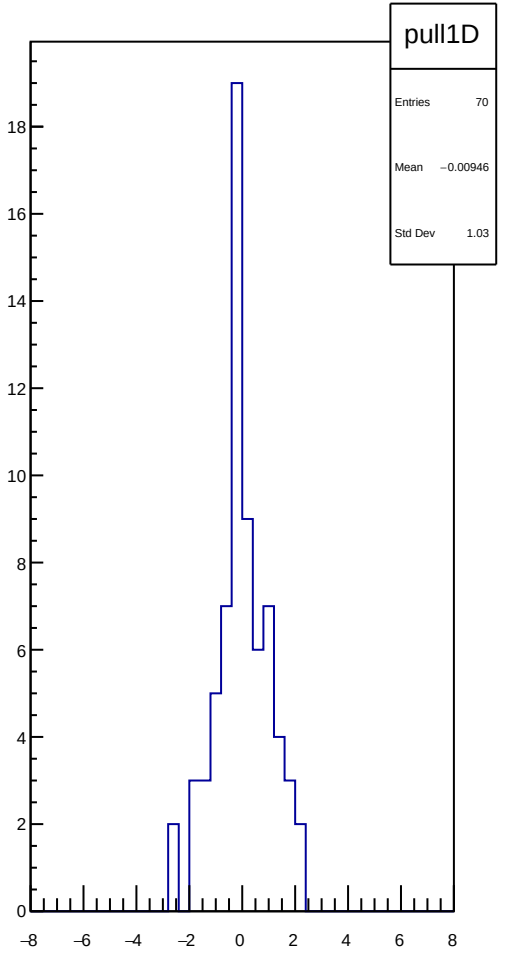

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.5 / 69
p0 0.02413 ± 0.03012
pull
Entries 70
Mean −0.1343
Std Dev 0

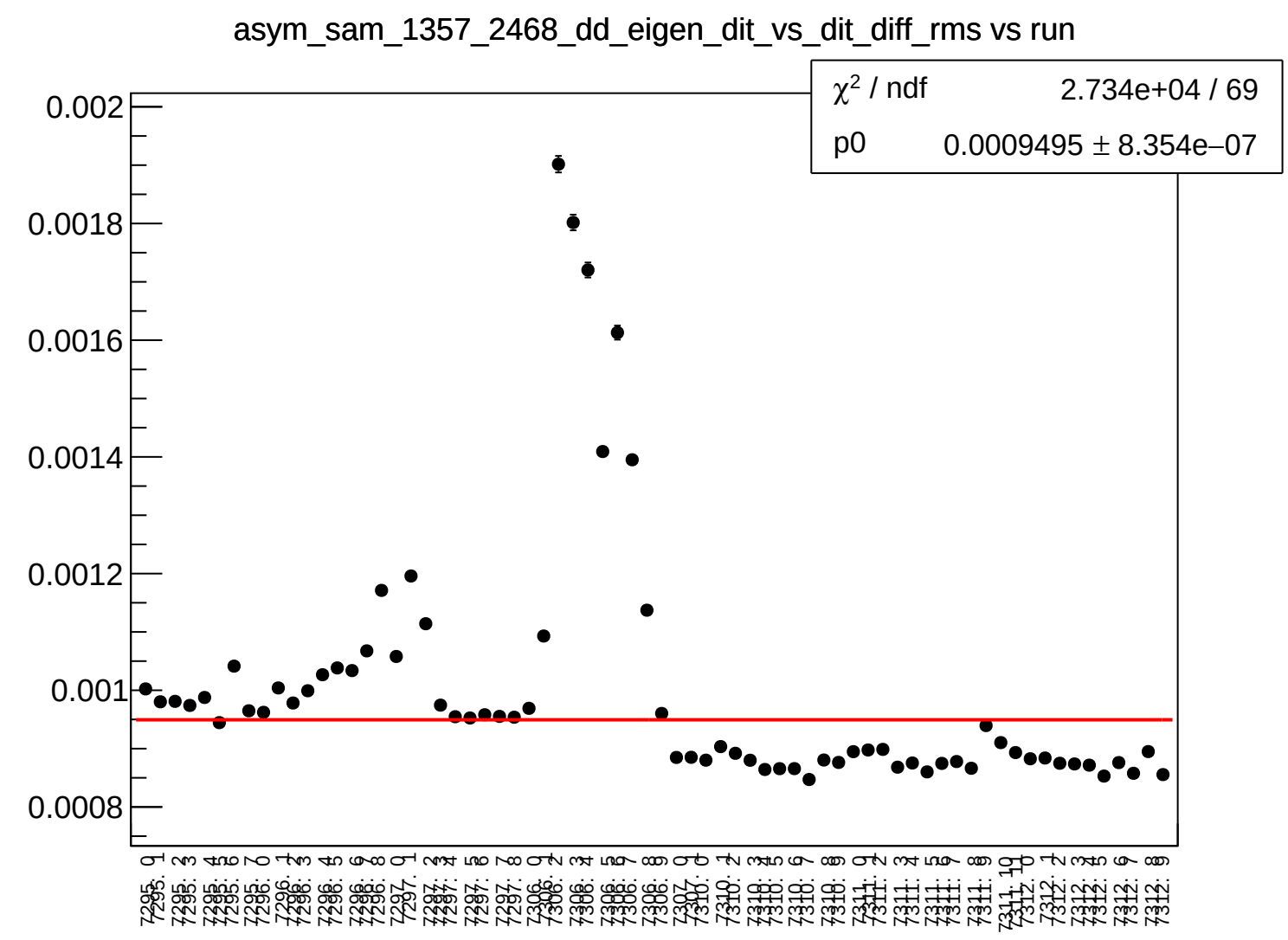

pull1D
Entries 70
Mean −0.05706
Std Dev 1.084

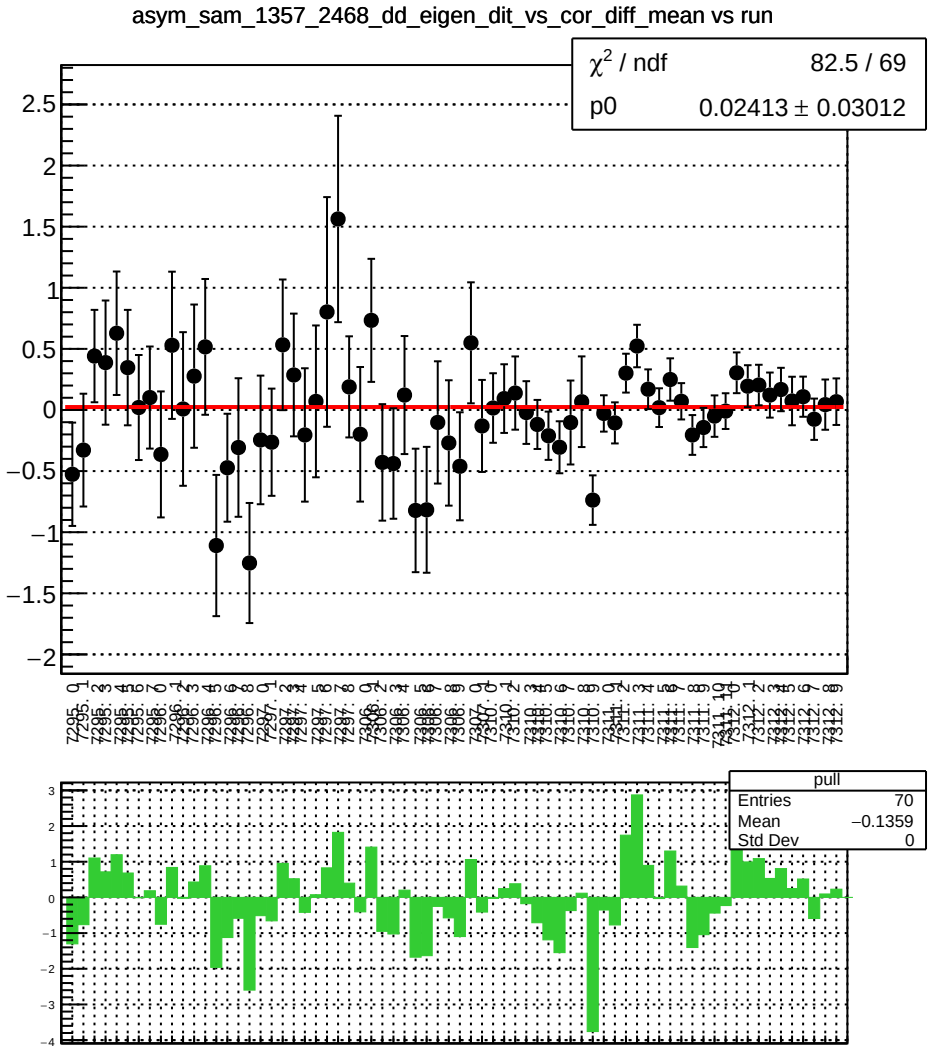

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 69
p0 21.63 ± 0.0213
90
80
70
60
50
40
30
20
10

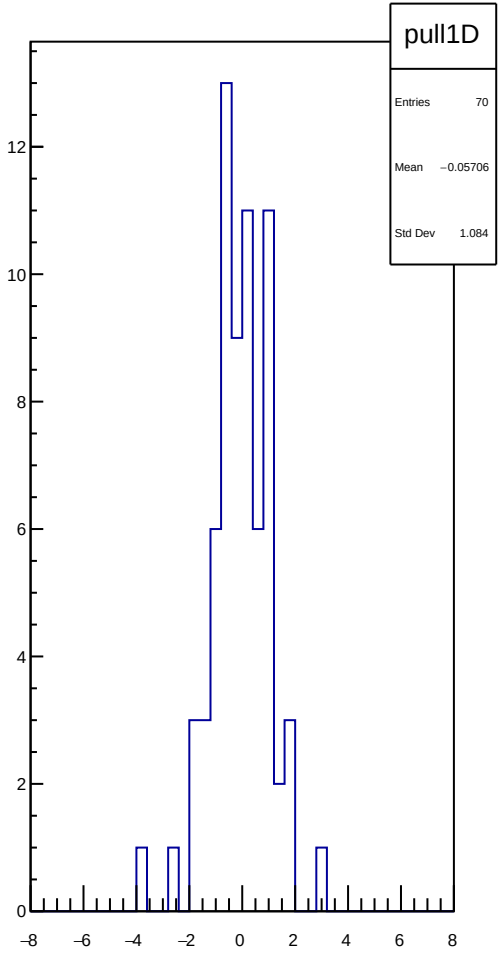

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.34 / 69
p0 −2.201e−07 ± 1.181e−06

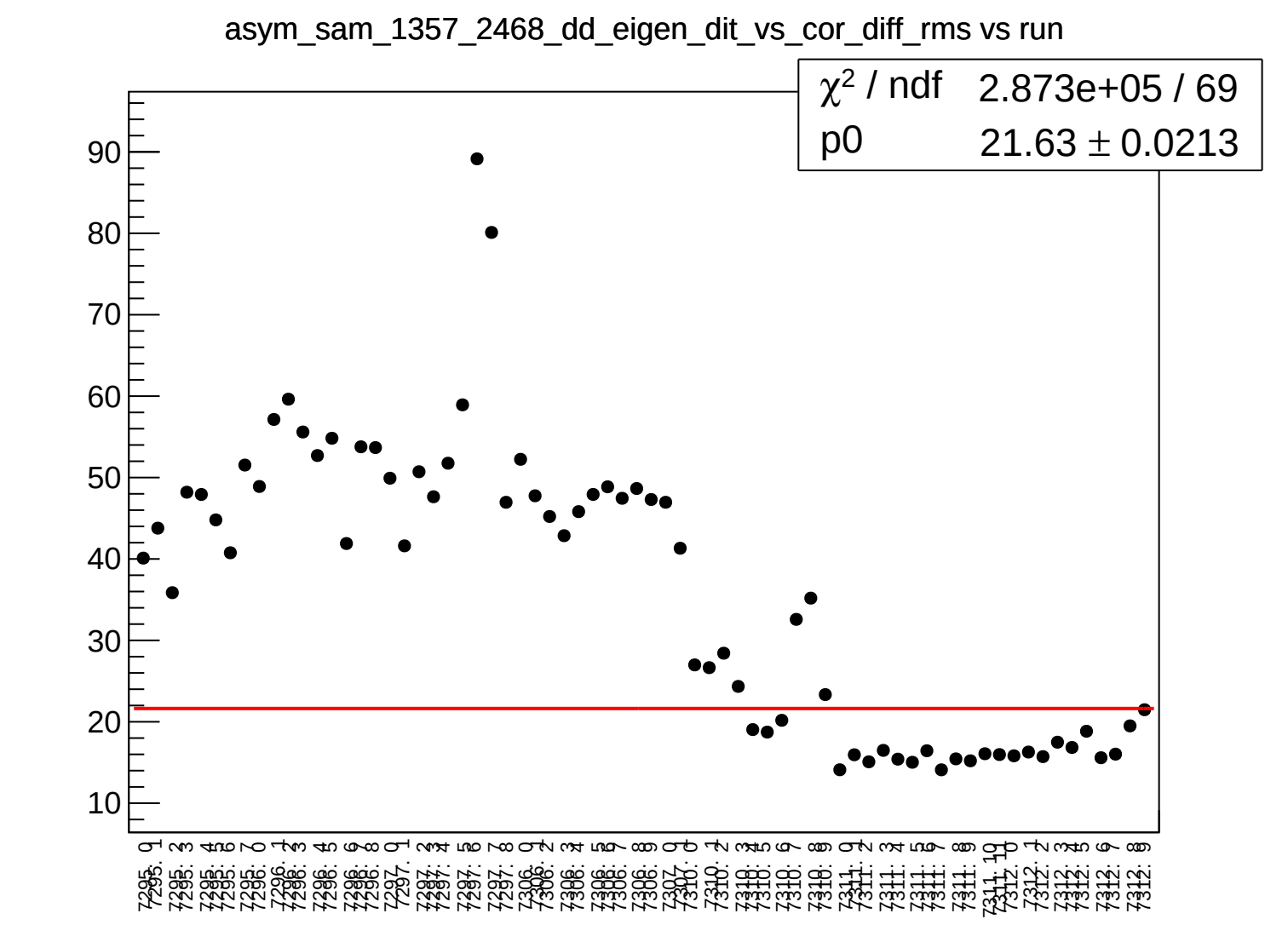

pull
Entries 70
Mean 84.13
Std Dev 0

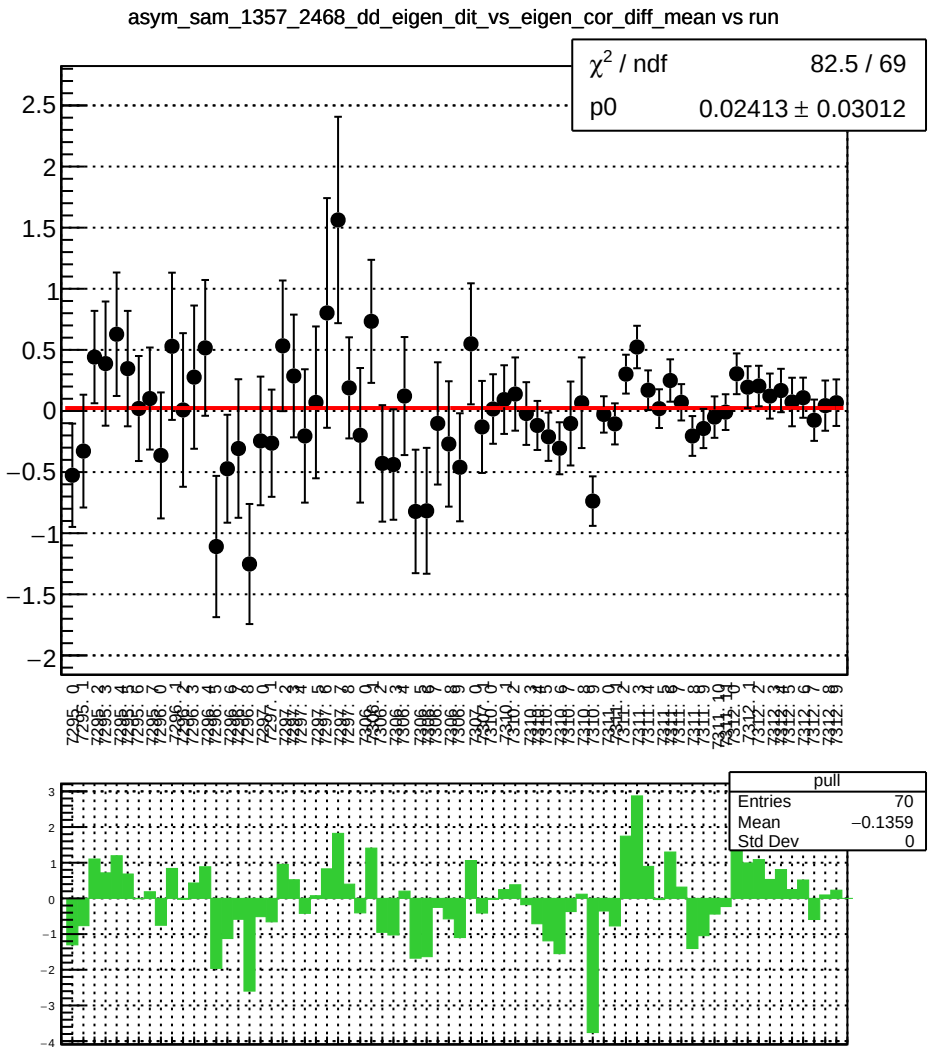

pull1D
Entries 70
Mean −0.00946
Std Dev 1.03

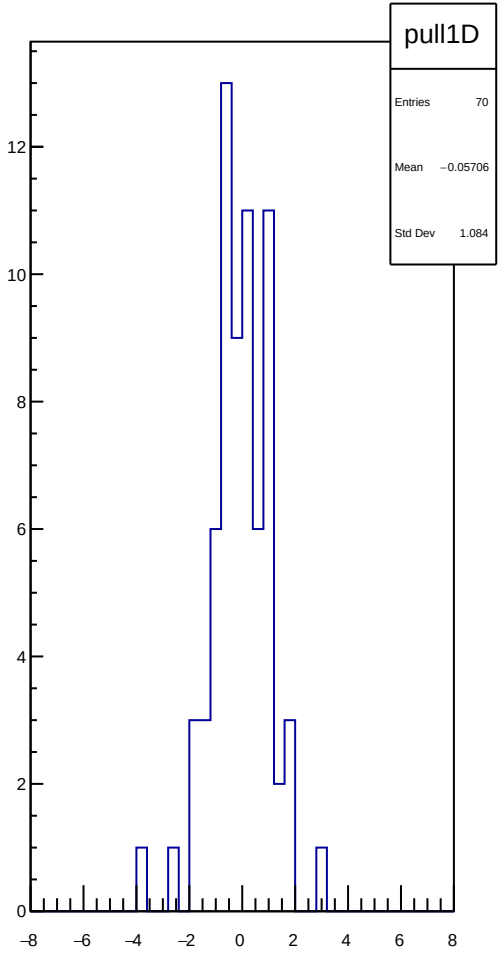

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.734e+04 / 69
p0 0.0009495 ± 8.354e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

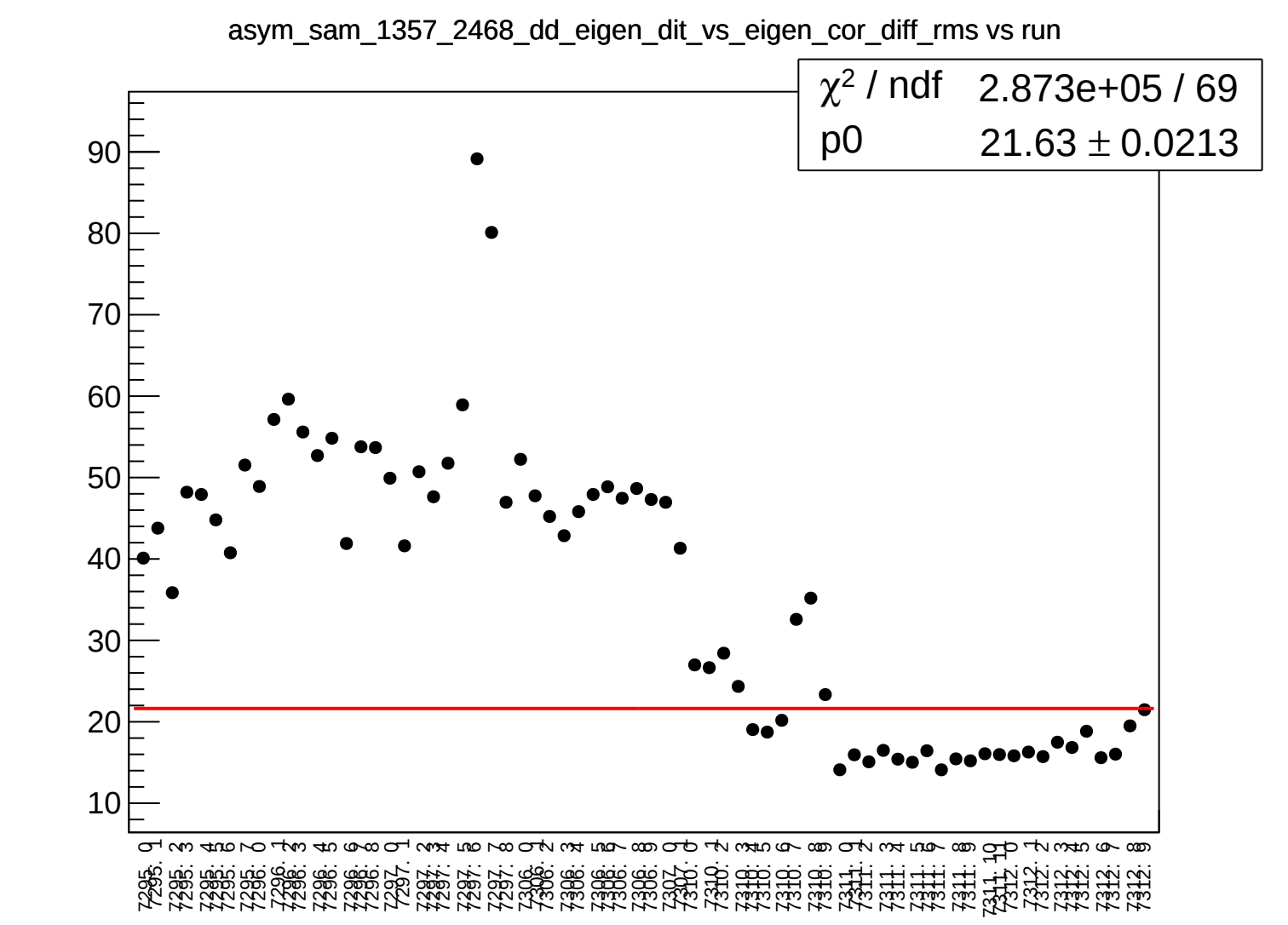

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.5 / 69
p0 0.02413 ± 0.03012
pull
Entries 70
Mean −0.1359
Std Dev 0

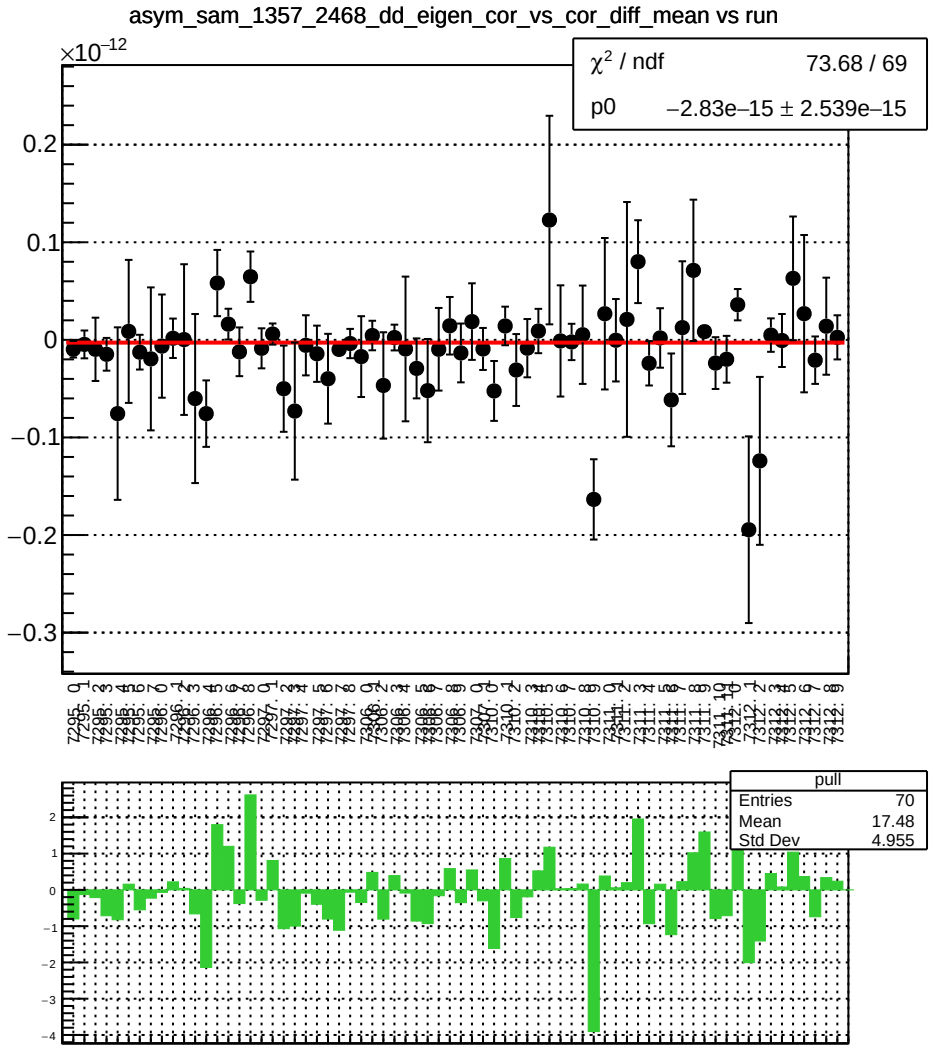

pull1D
Entries 70
Mean −0.05706
Std Dev 1.084

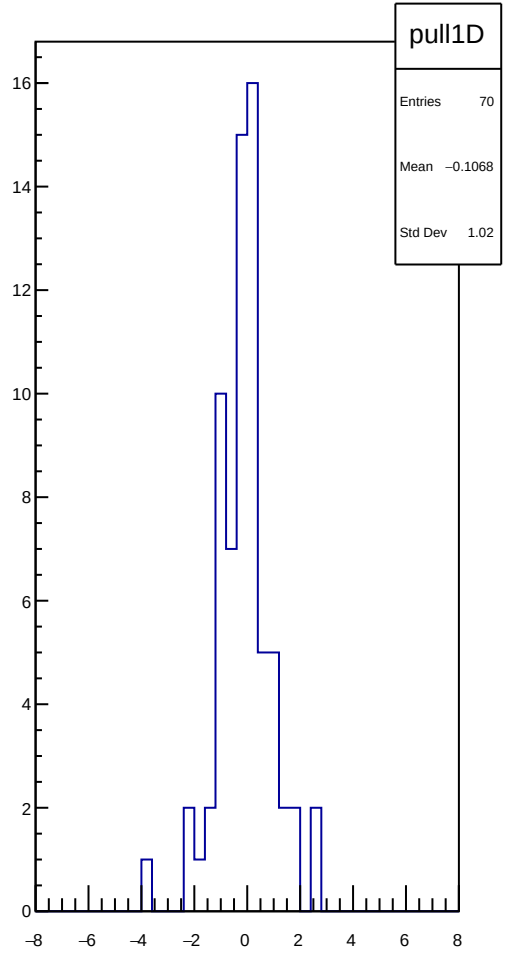

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 69
p0 21.63 ± 0.0213
90
80
70
60
50
40
30
20
10

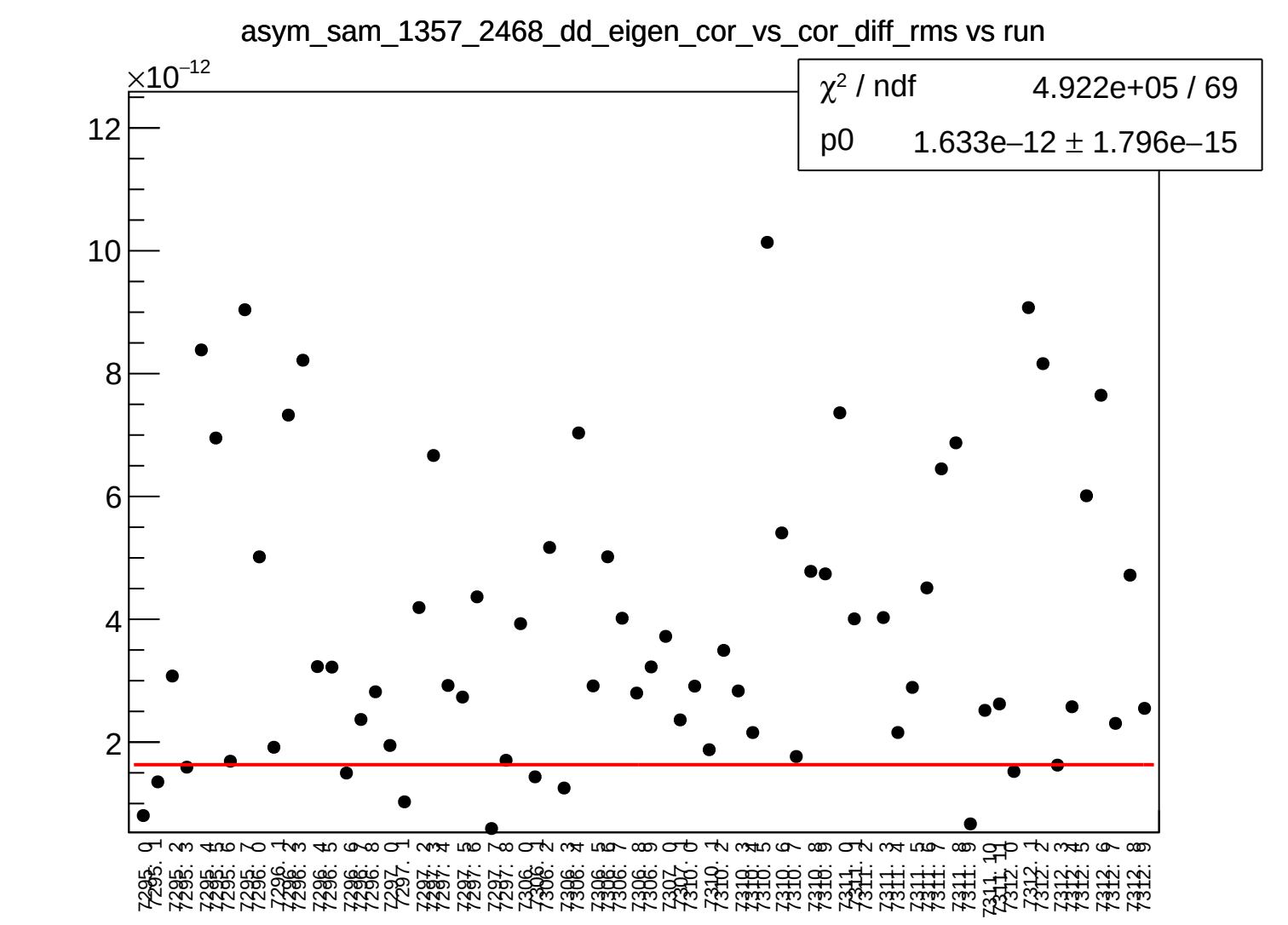

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.5 / 69
p0 0.02413 ± 0.03012
pull
Entries 70
Mean −0.1359
Std Dev 0

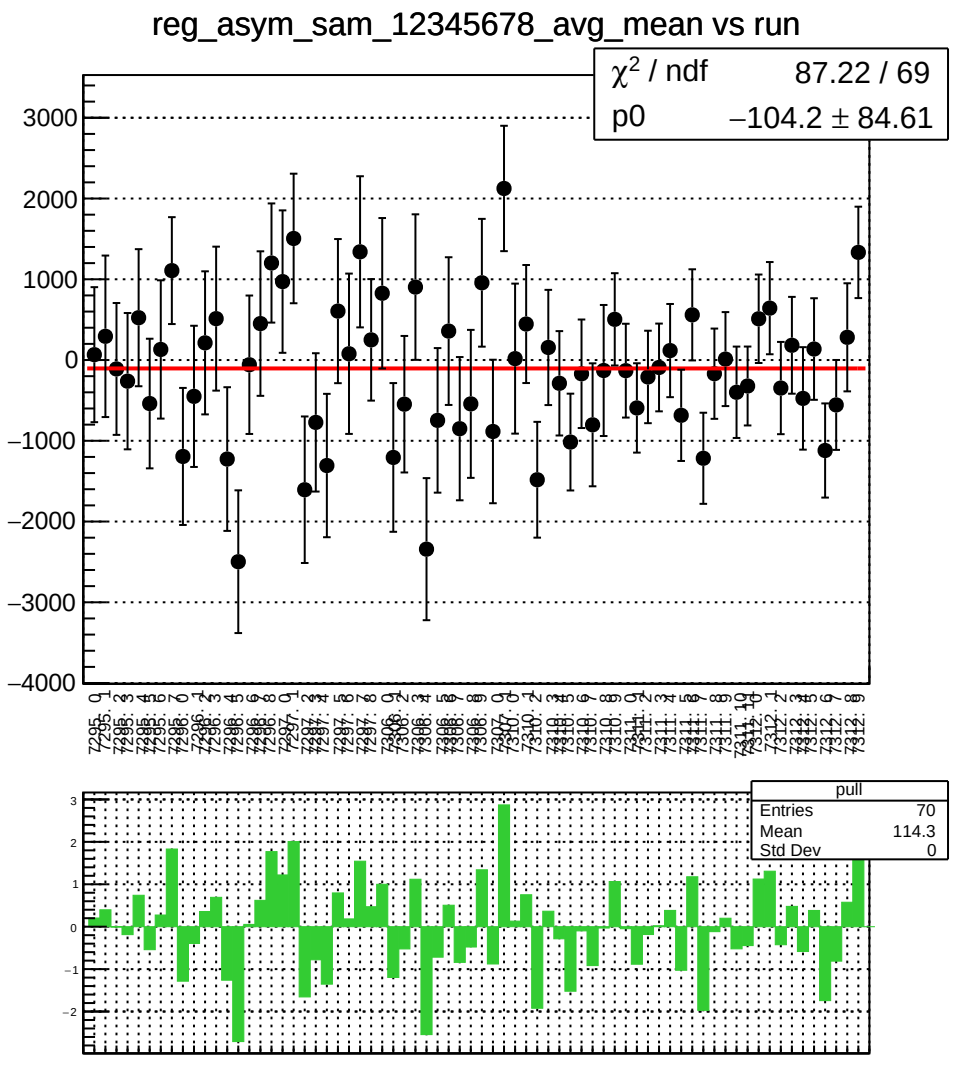

pull1D
Entries 70
Mean −0.05706
Std Dev 1.084

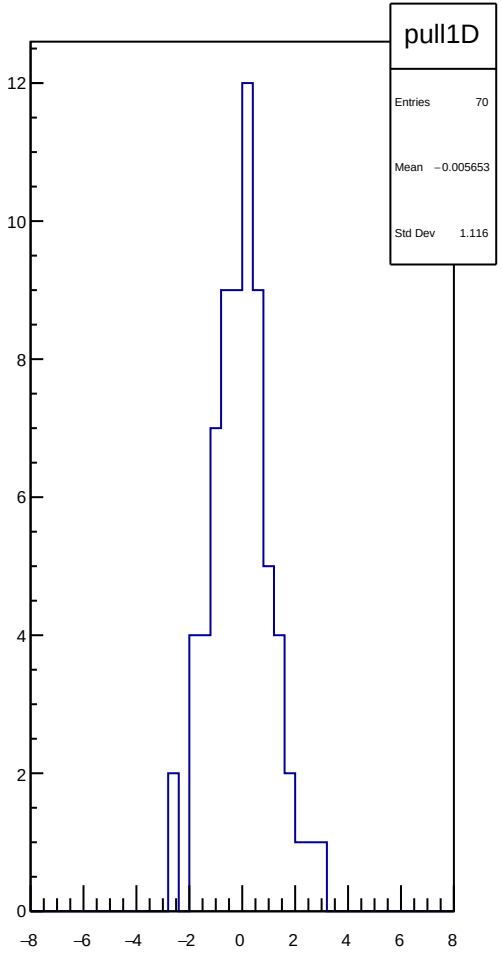

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 69
p0 21.63 ± 0.0213
90
80
70
60
50
40
30
20
10

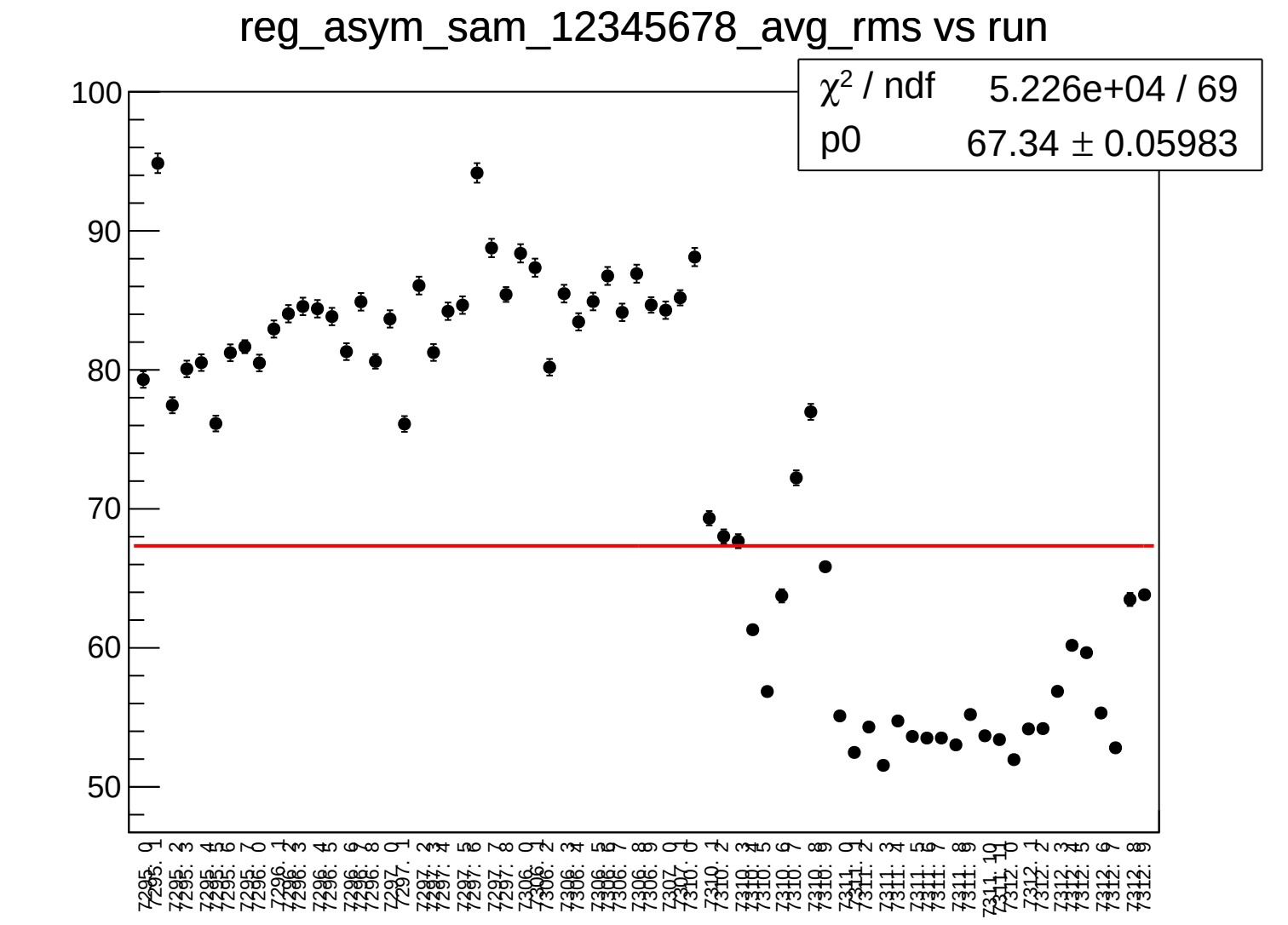

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.68 / 69
p0 −2.83e−15 ± 2.539e−15
pull
Entries 70
Mean 17.48
Std Dev 4.955

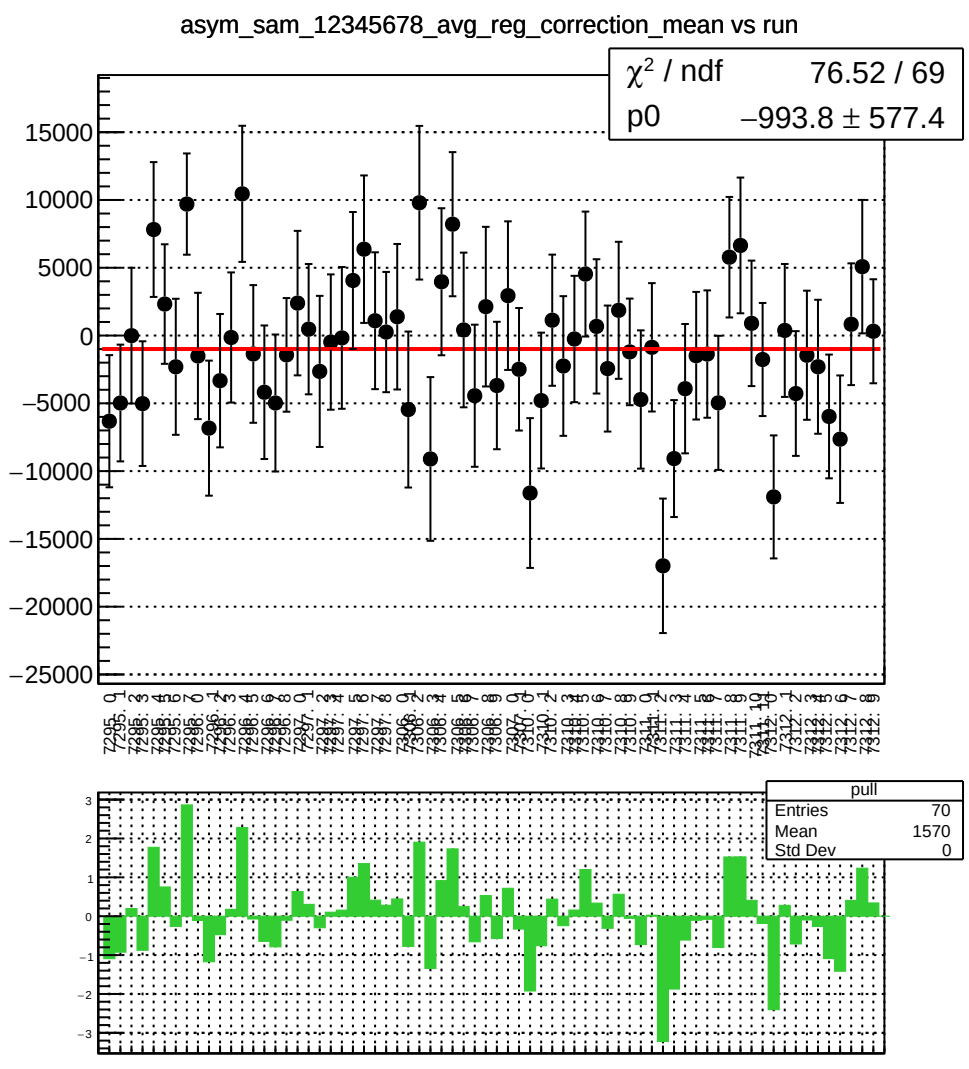

pull1D
Entries 70
Mean −0.1068
Std Dev 1.02

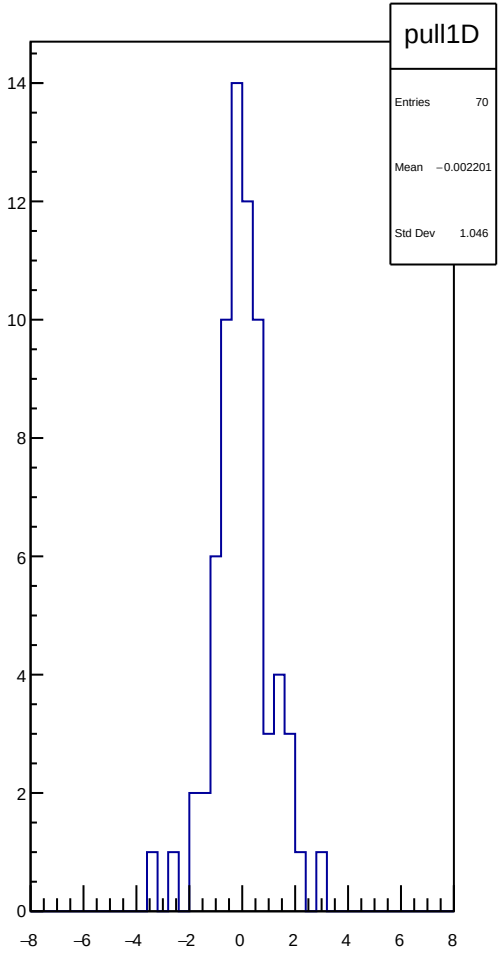

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.922e+05 / 69
p0 1.633e−12 ± 1.796e−15
12
10
8
6
4
2

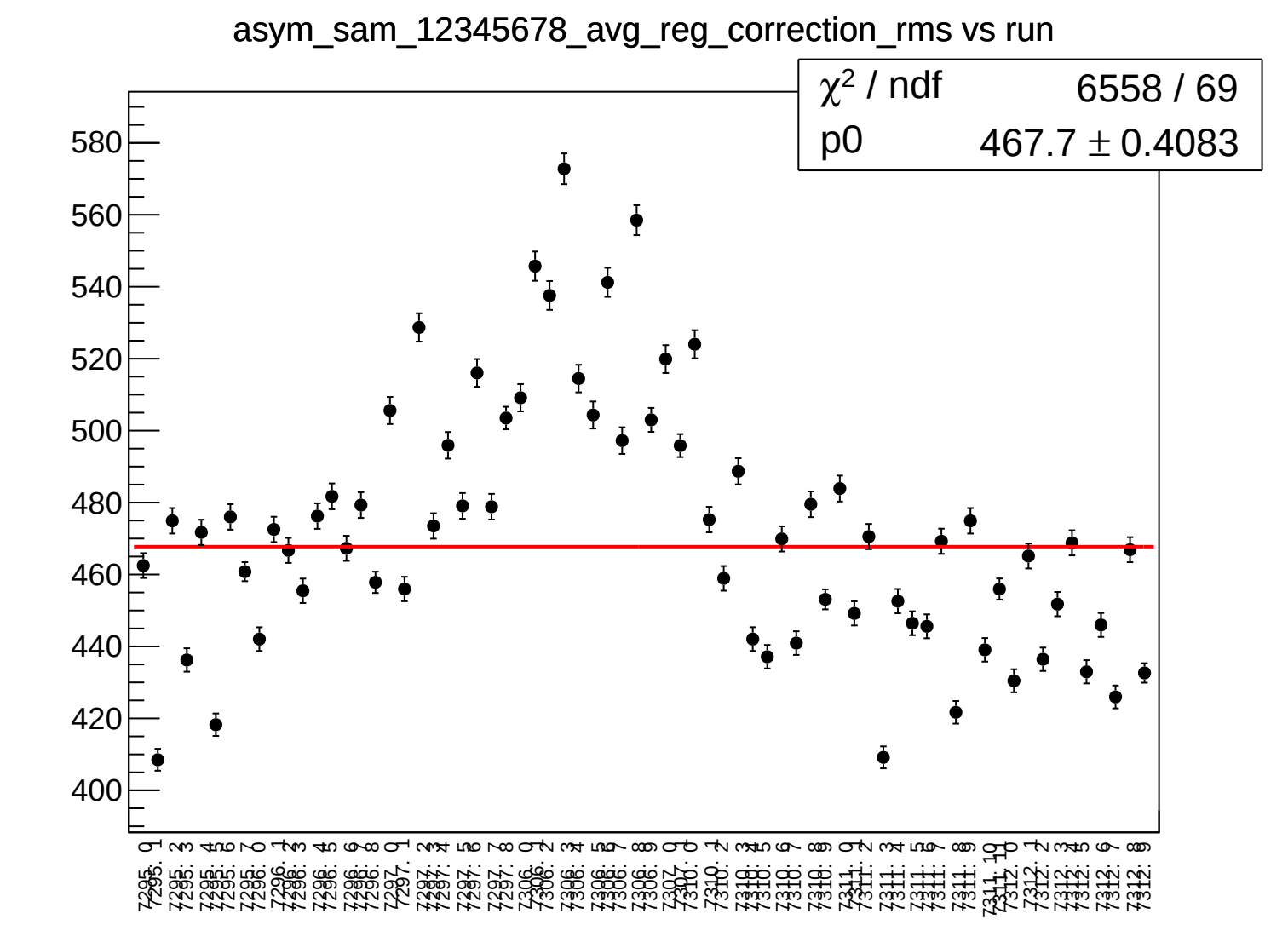

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.22 / 69
p0 −104.2 ± 84.61
pull
Entries 70
Mean 114.3
Std Dev 0

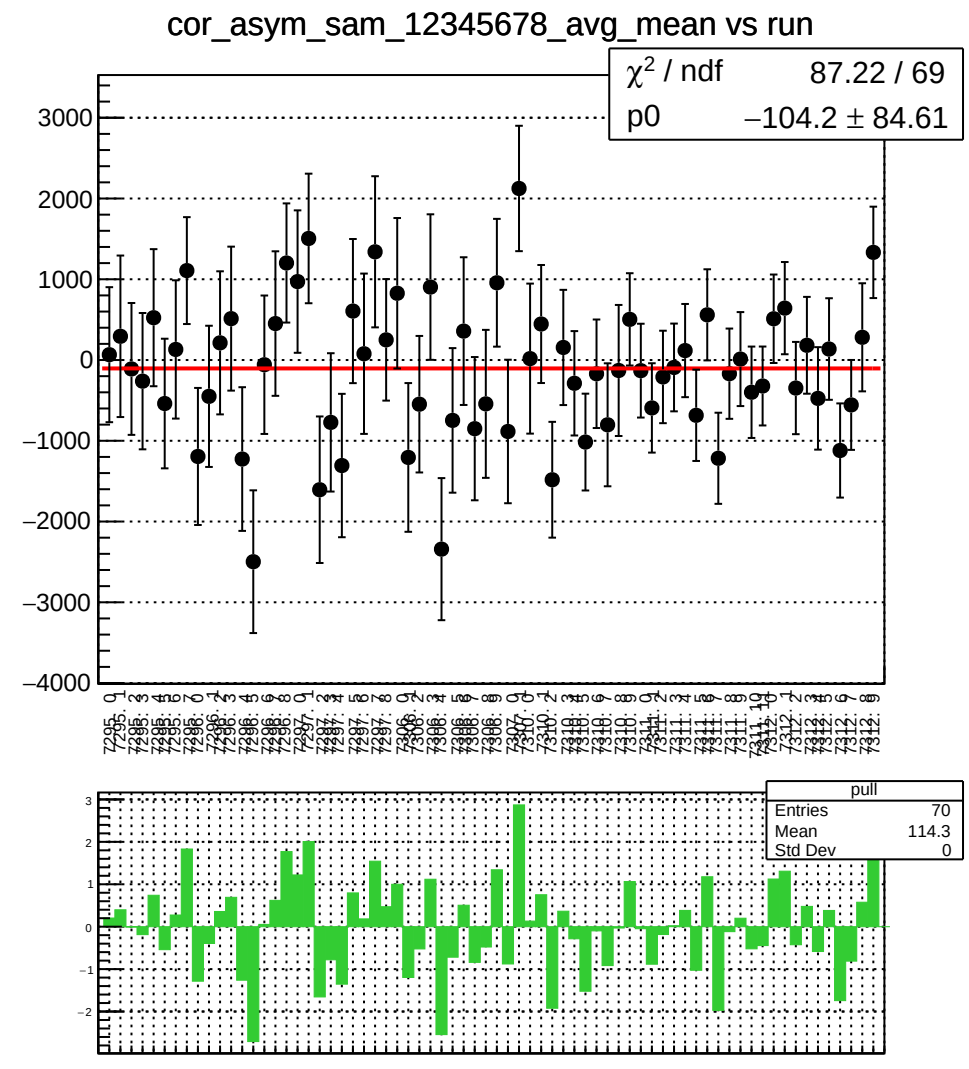

pull1D
Entries 70
Mean −0.005653
Std Dev 1.116

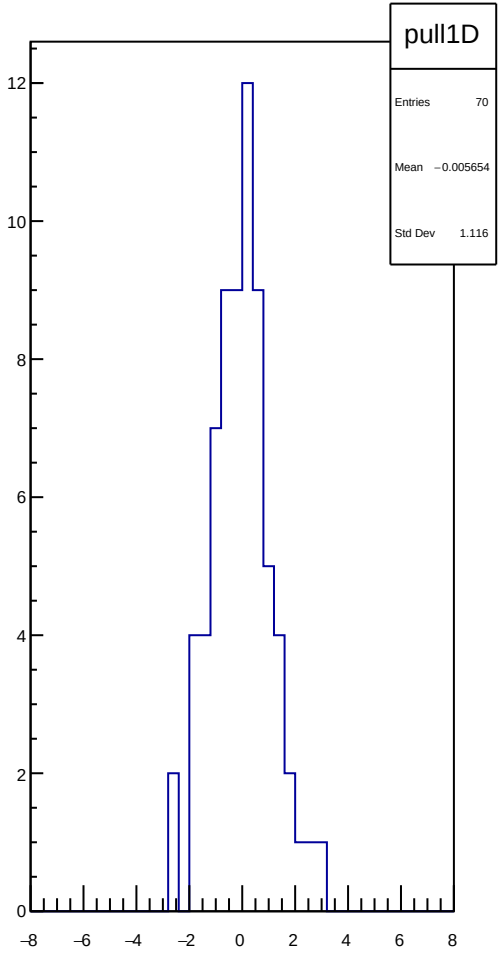

reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5.226e+04 / 69
p0 67.34 ± 0.05983
100
90
80
70
60
50

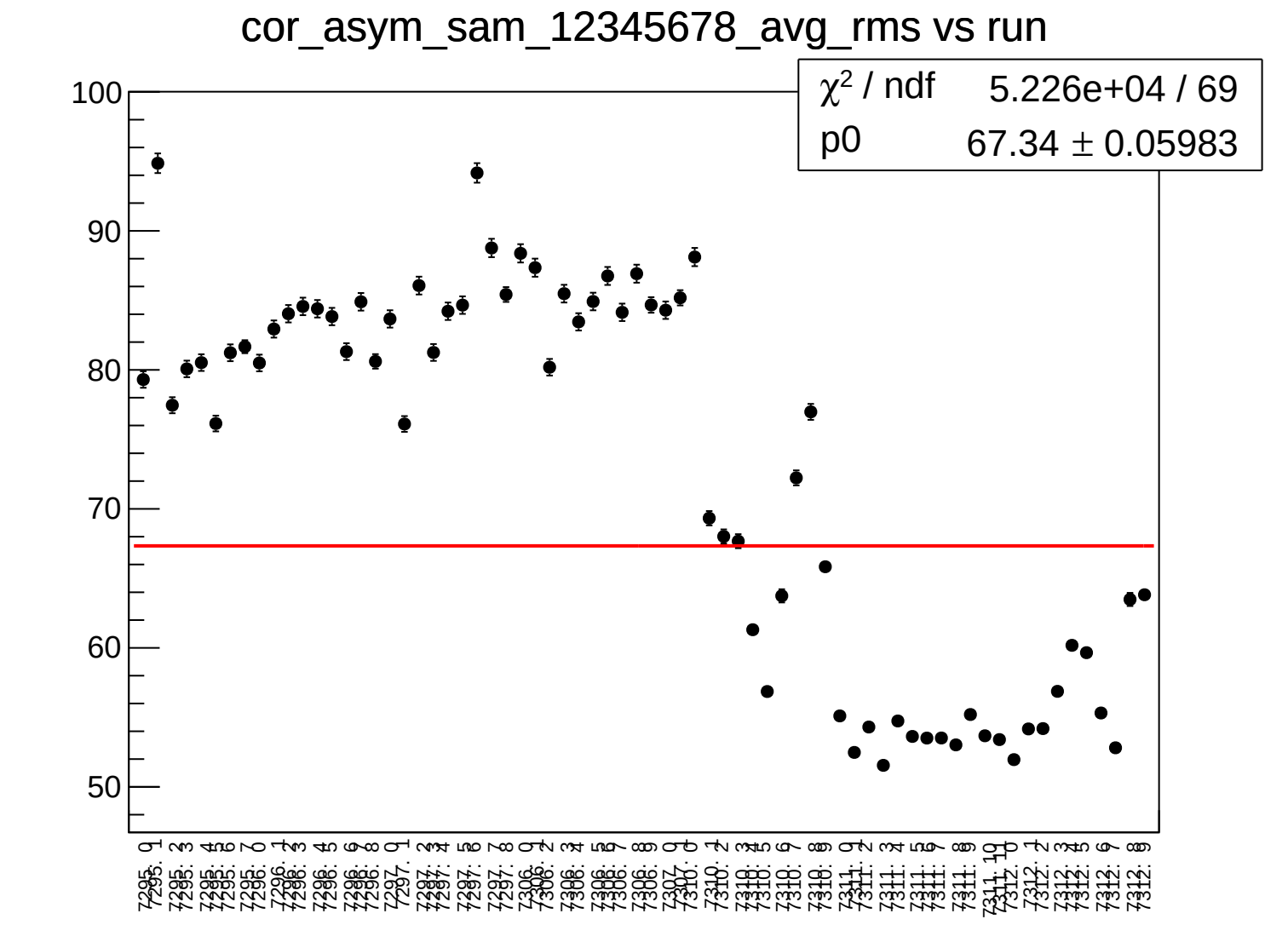

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 76.52 / 69
p0 −993.8 ± 577.4
pull
Entries 70
Mean 1570
Std Dev 0

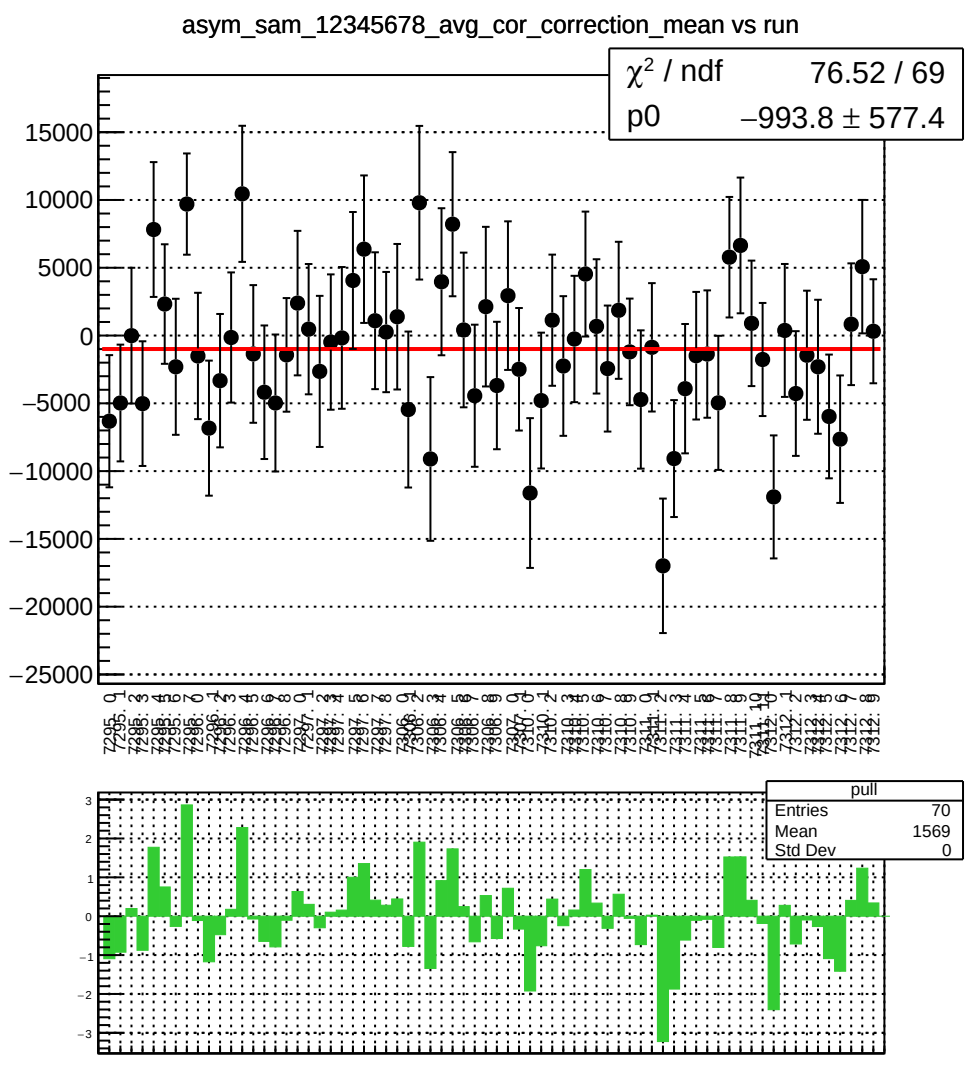

pull1D
Entries 70
Mean −0.002201
Std Dev 1.046

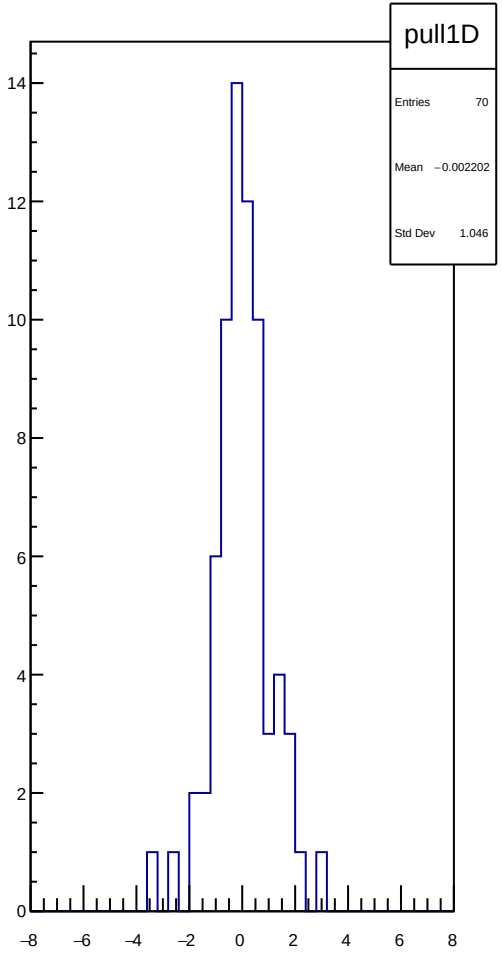

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 6558 / 69
p0 467.7 ± 0.4083
580
560
540
520
500
480
460
440
420
400

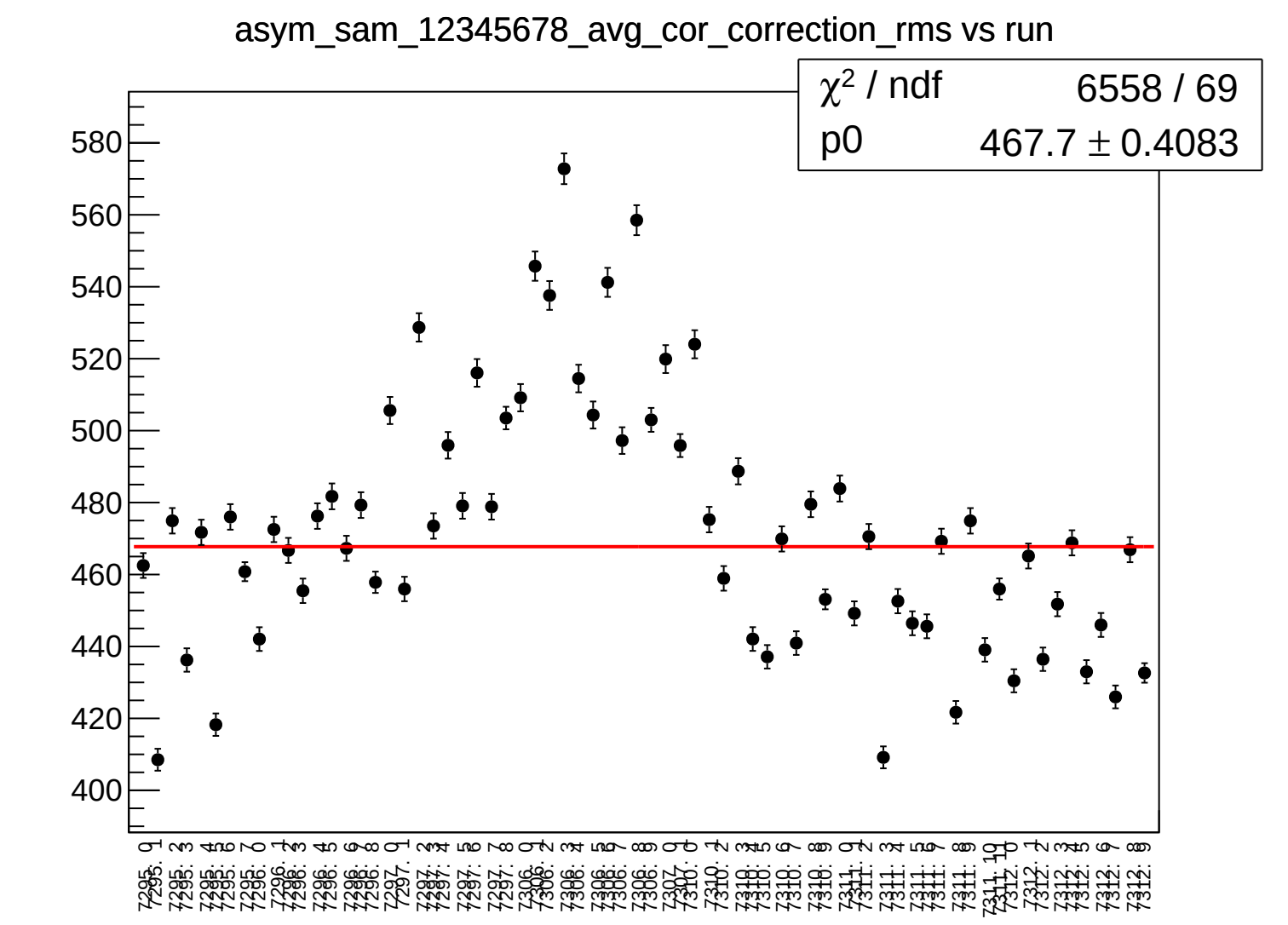

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.22 / 69
p0 −104.2 ± 84.61
pull
Entries 70
Mean 114.3
Std Dev 0

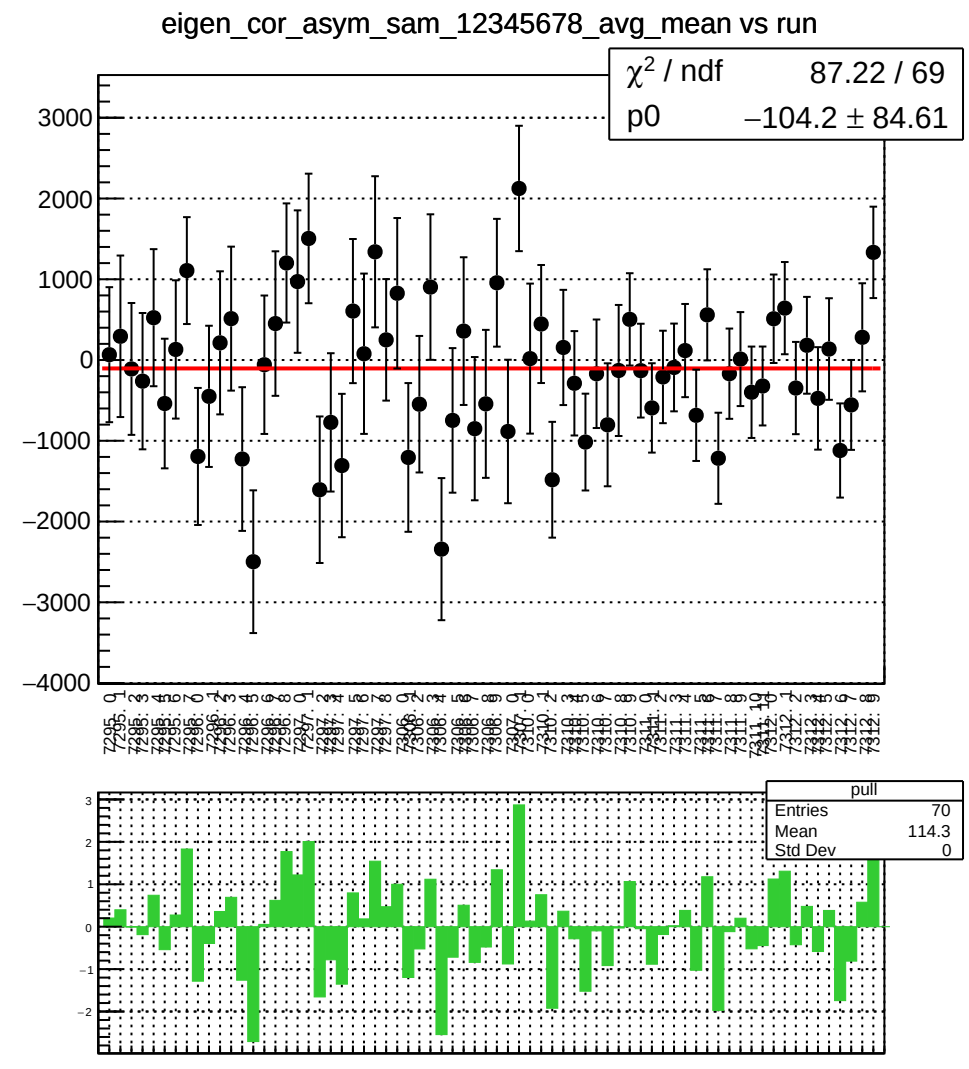

pull1D
Entries 70
Mean −0.005654
Std Dev 1.116

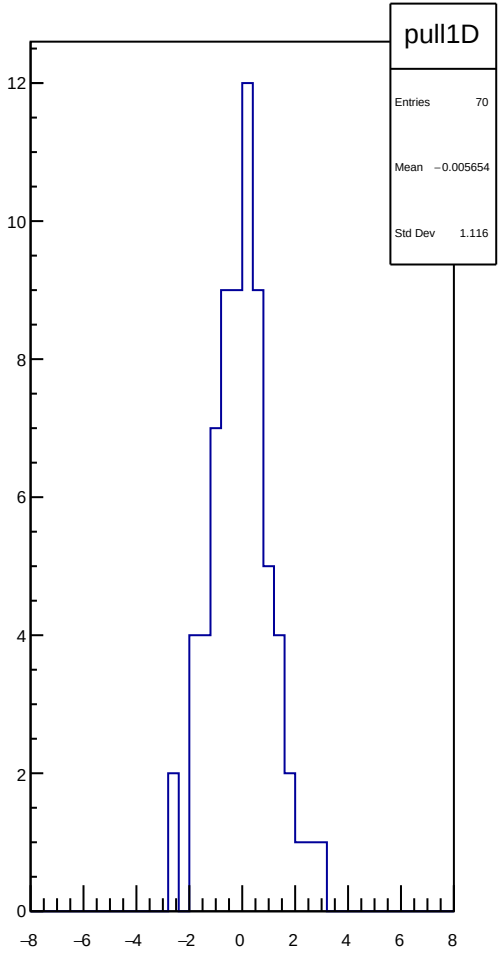

cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5.226e+04 / 69
p0 67.34 ± 0.05983
100
90
80
70
60
50

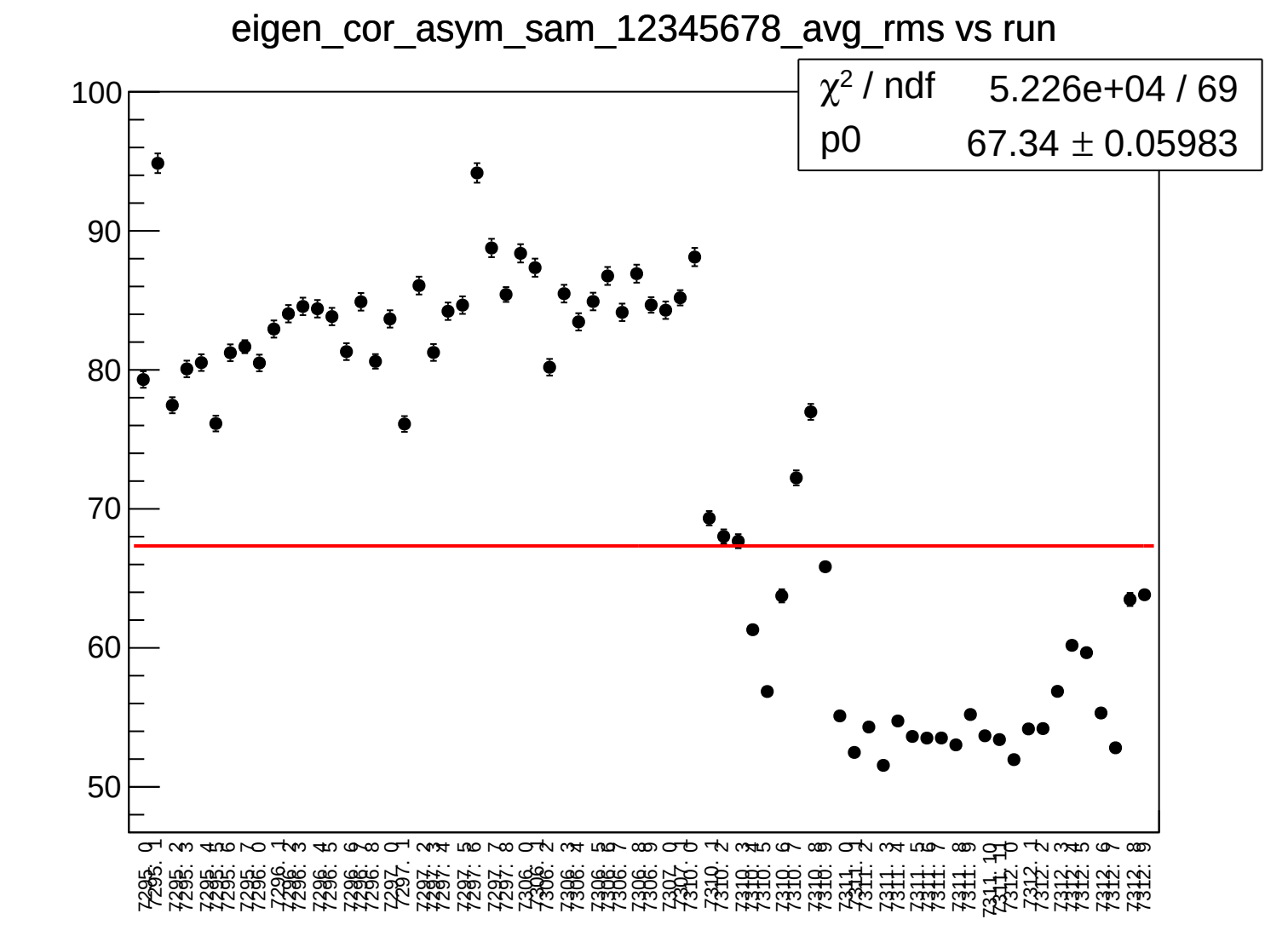

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 76.52 / 69
p0 −993.8 ± 577.4
pull
Entries 70
Mean 1569
Std Dev 0

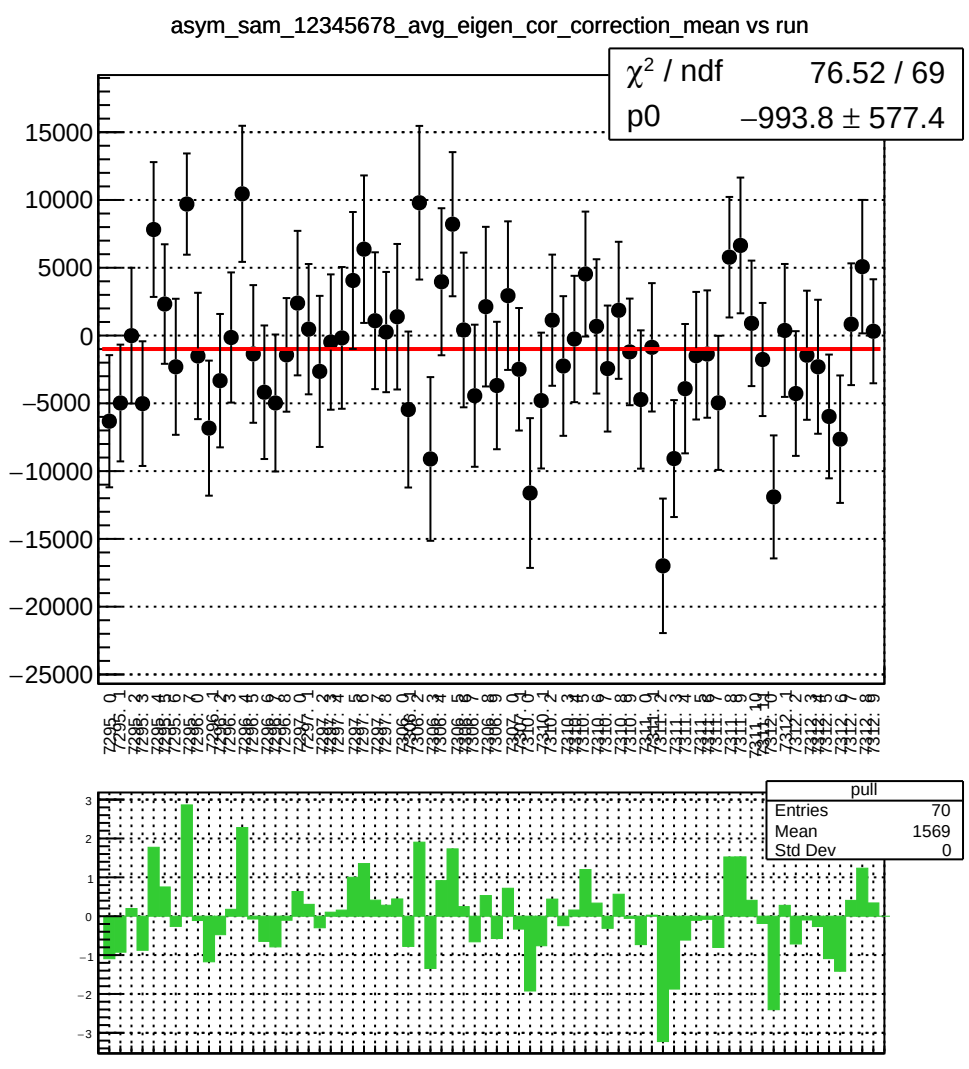

pull1D
Entries 70
Mean −0.002202
Std Dev 1.046

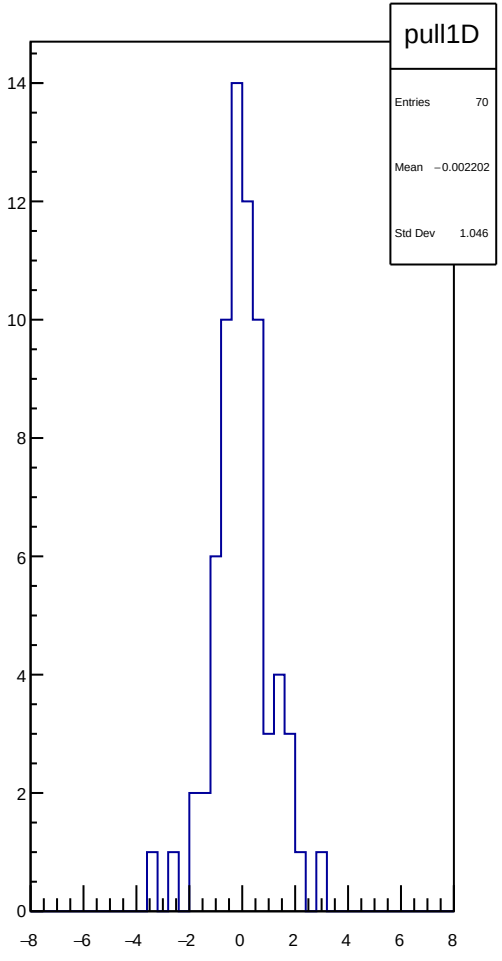

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 6558 / 69
p0 467.7 ± 0.4083
580
560
540
520
500
480
460
440
420
400

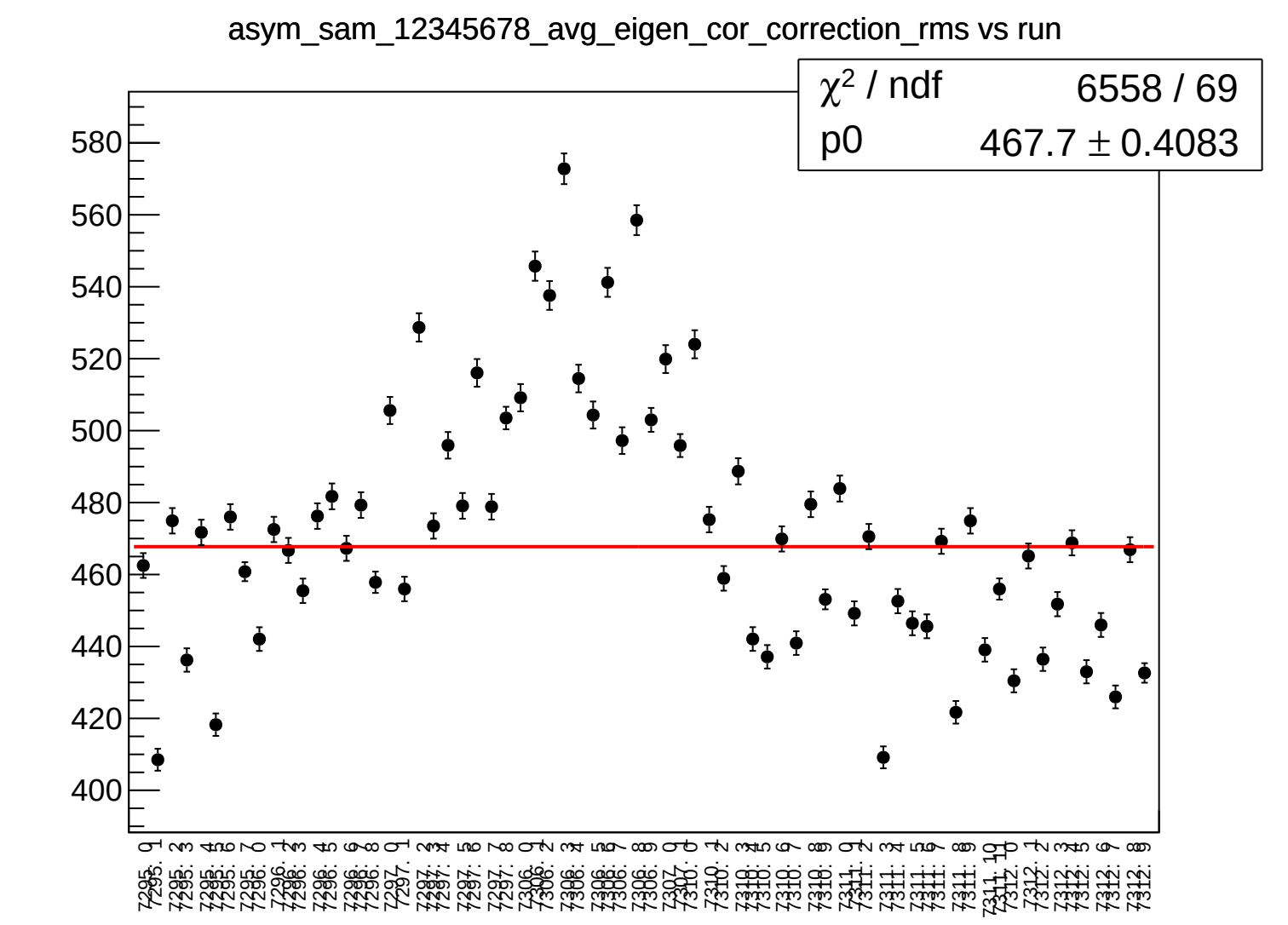

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.22 / 69
p0 −104.2 ± 84.61
pull
Entries 70
Mean 114.3
Std Dev 0

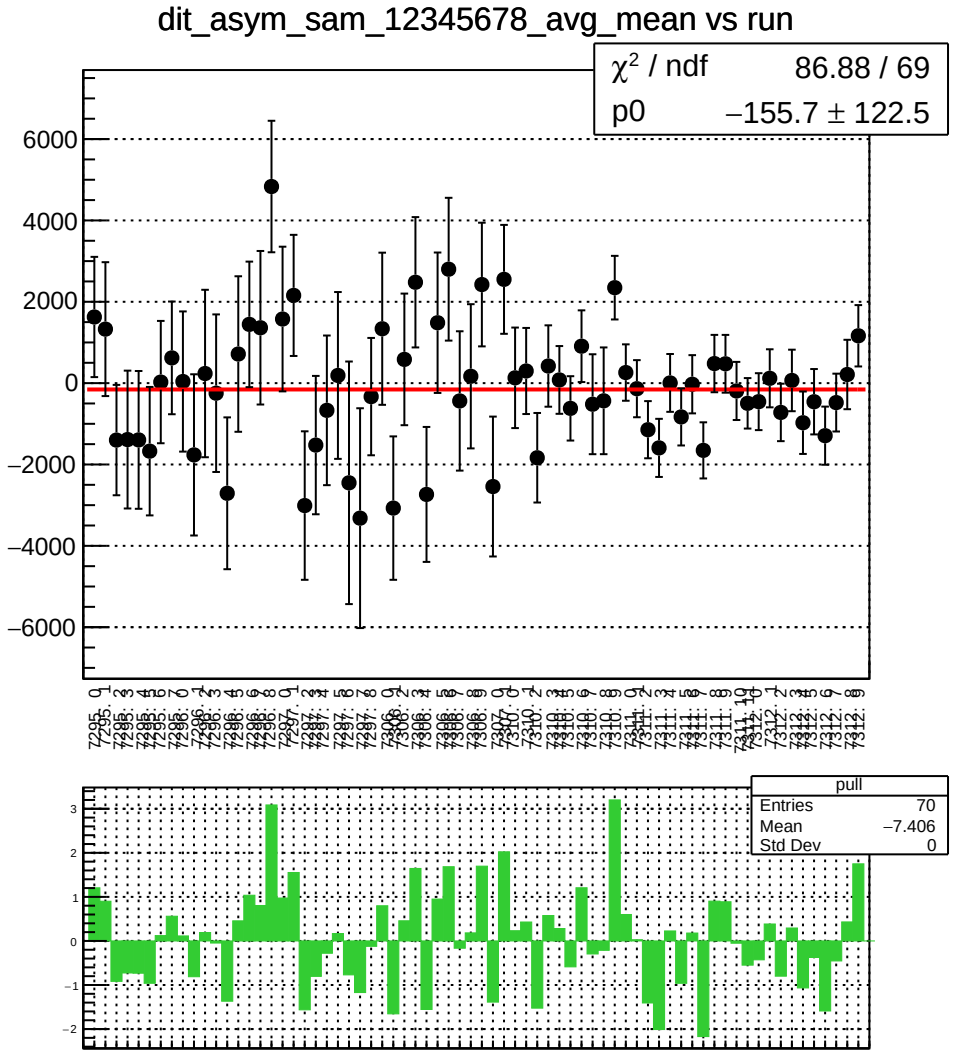

pull1D
Entries 70
Mean −0.005654
Std Dev 1.116

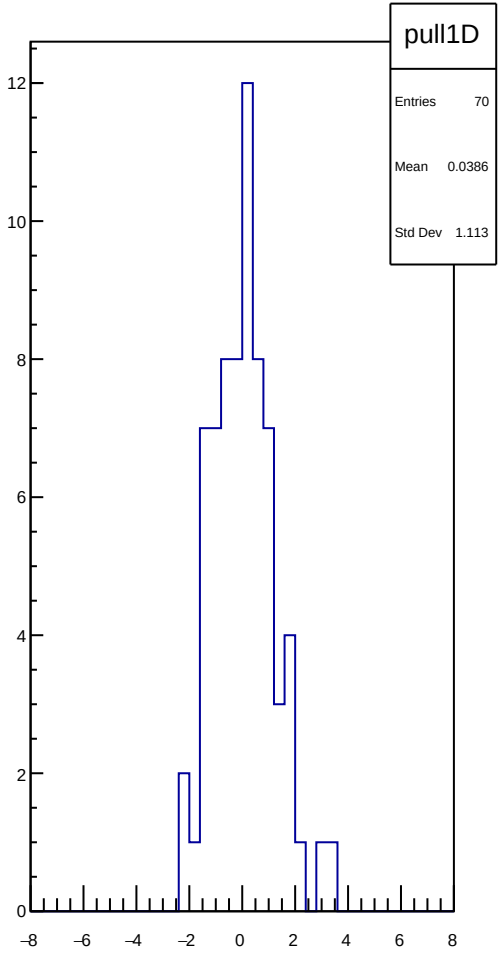

eigen_cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5.226e+04 / 69
p0 67.34 ± 0.05983
100
90
80
70
60
50

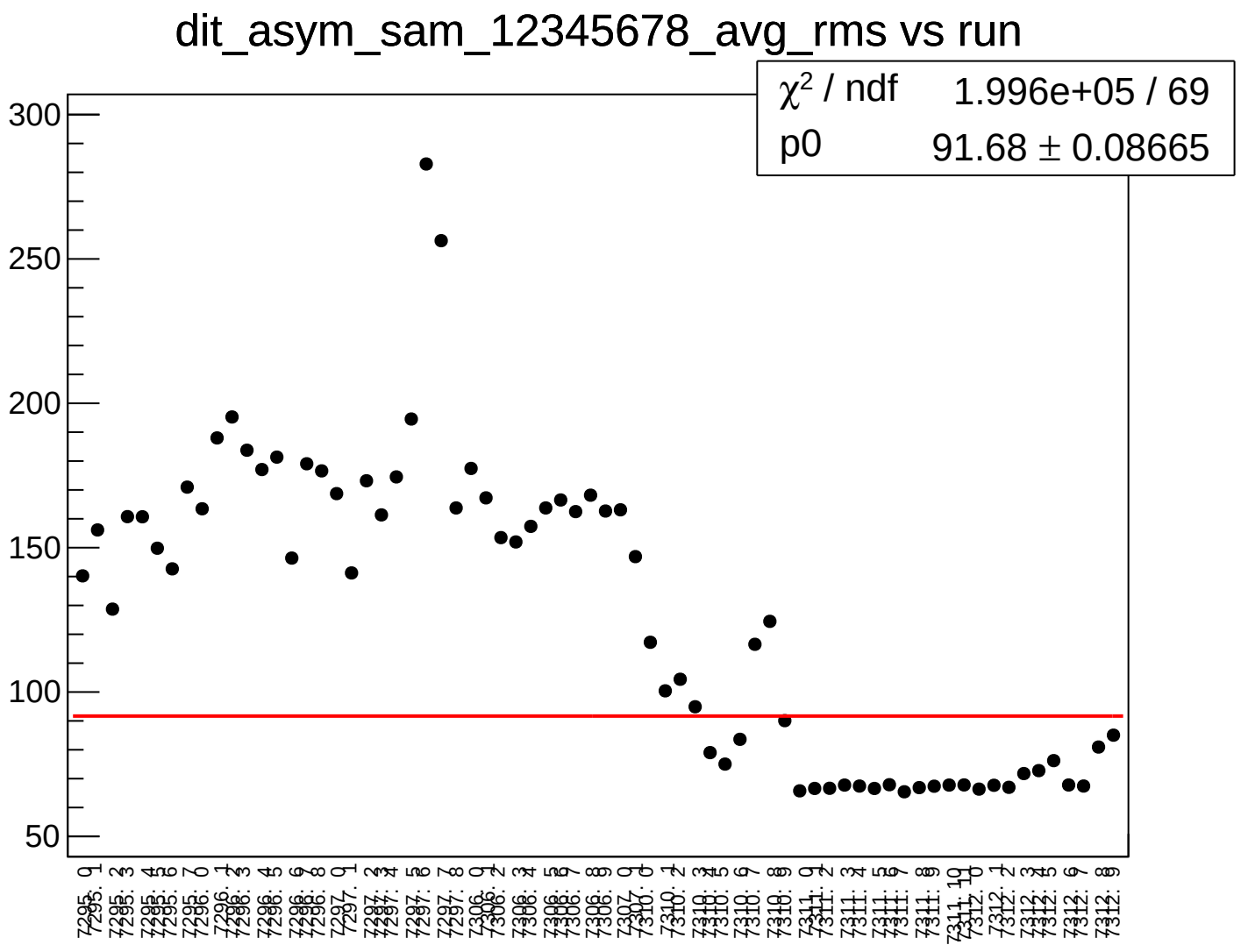

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.52 / 69
p0 −993.8 ± 577.4
pull
Entries 70
Mean 1569
Std Dev 0

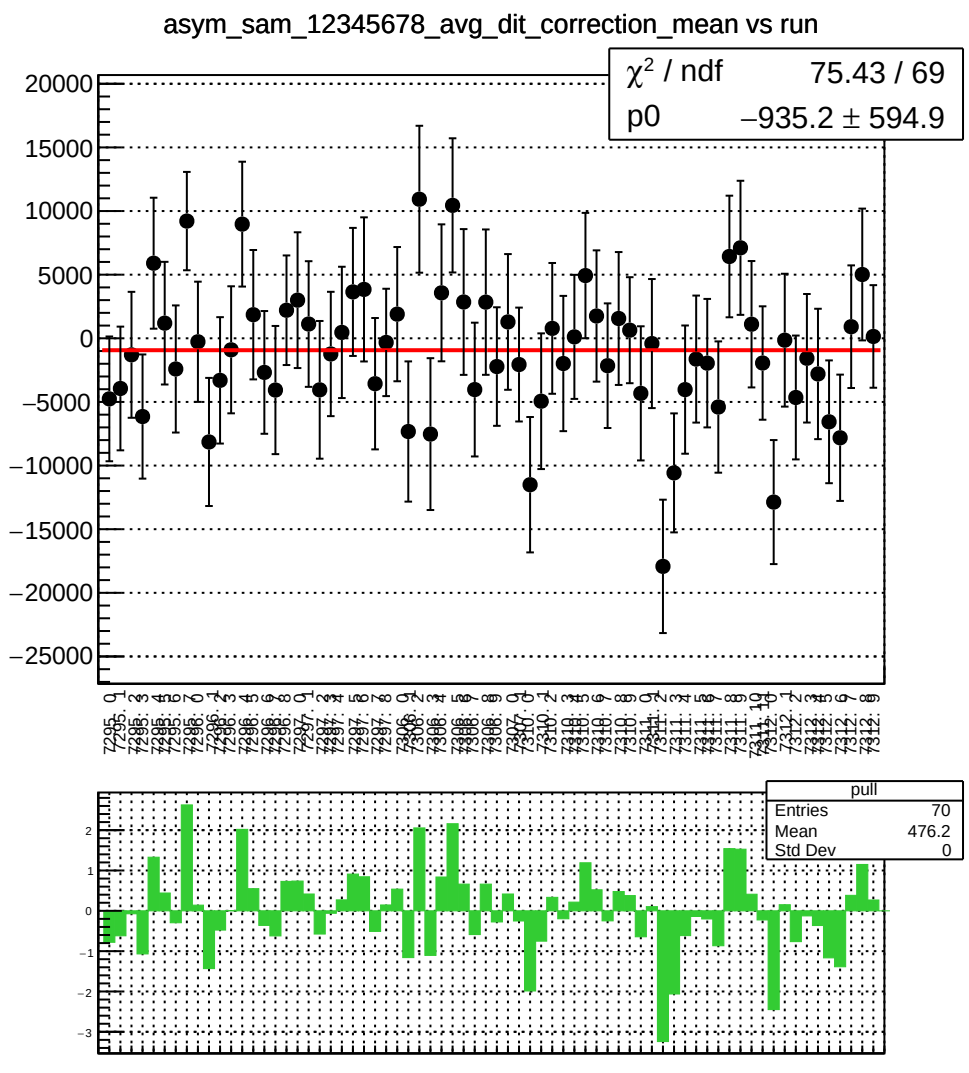

pull1D
Entries 70
Mean −0.002202
Std Dev 1.046

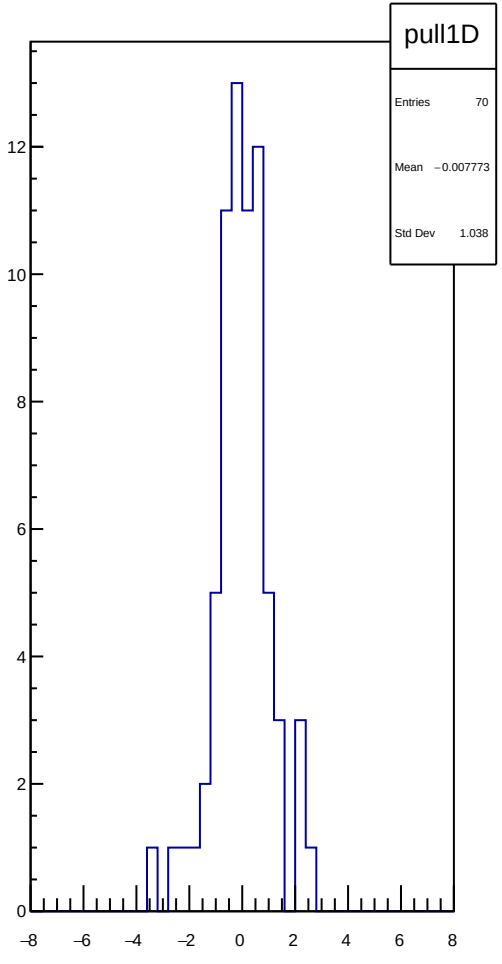

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 6558 / 69
p0 467.7 ± 0.4083
580
560
540
520
500
480
460
440
420
400

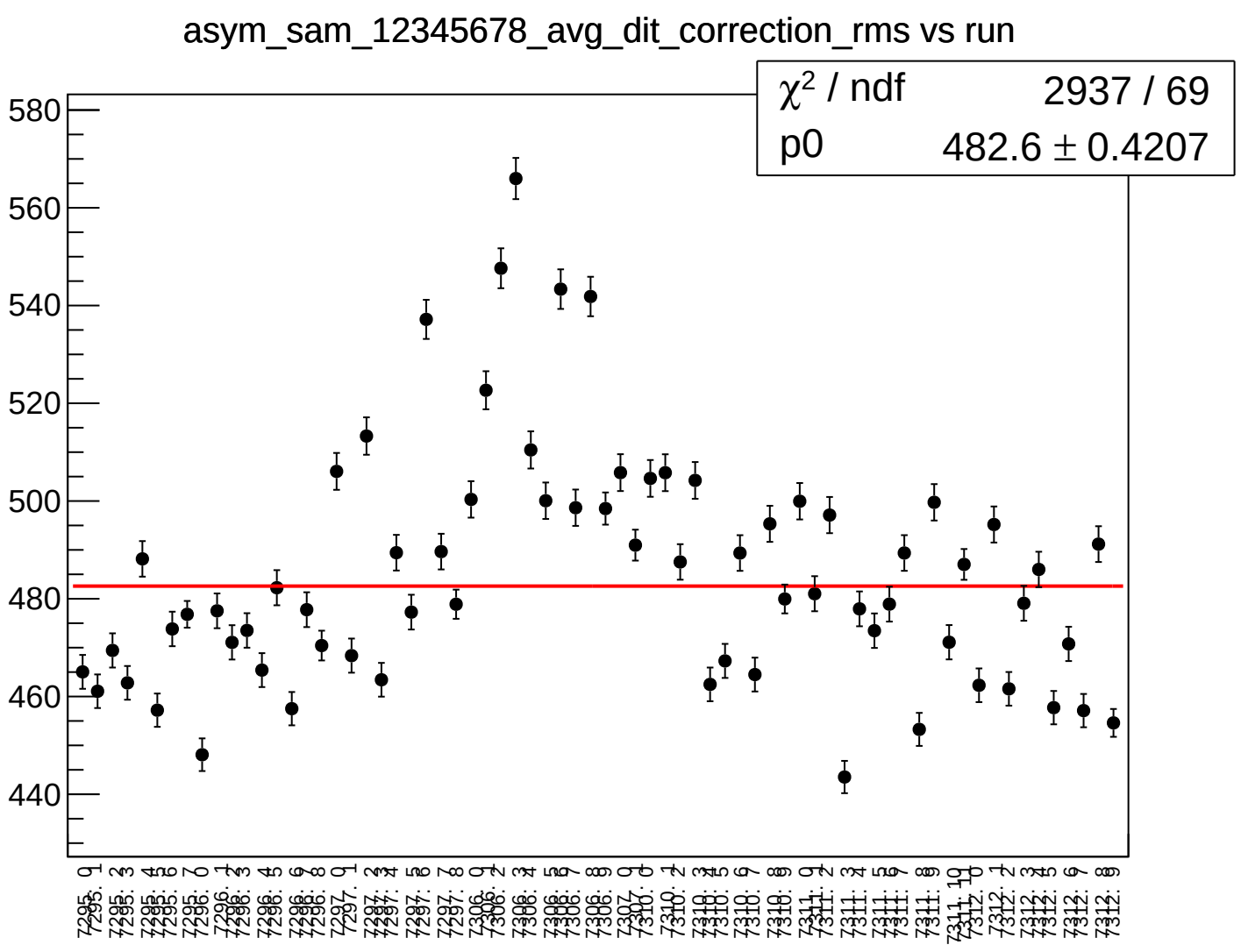

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 86.88 / 69
p0 −155.7 ± 122.5
pull
Entries 70
Mean −7.406
Std Dev 0

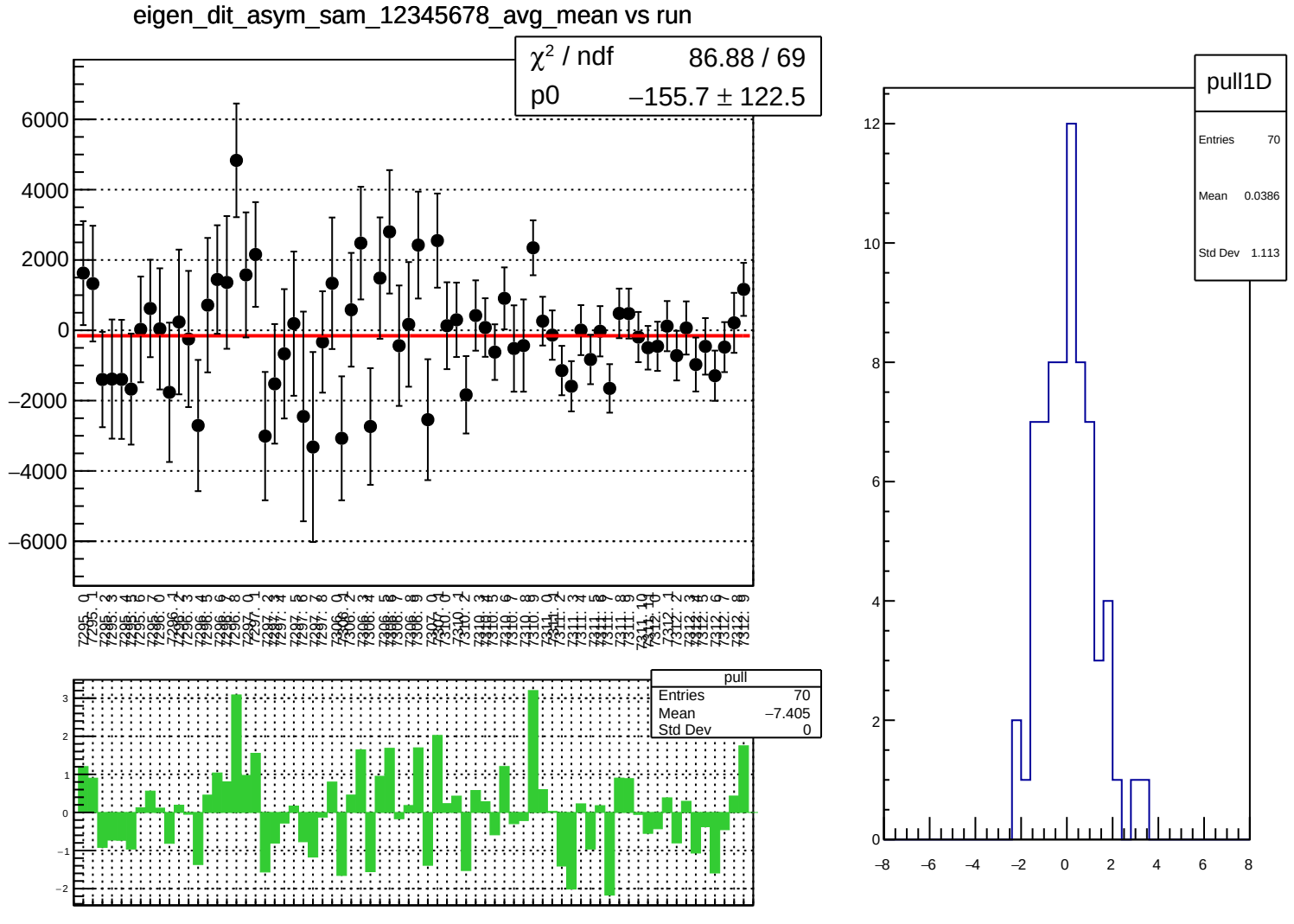

pull1D
Entries 70
Mean 0.0386
Std Dev 1.113

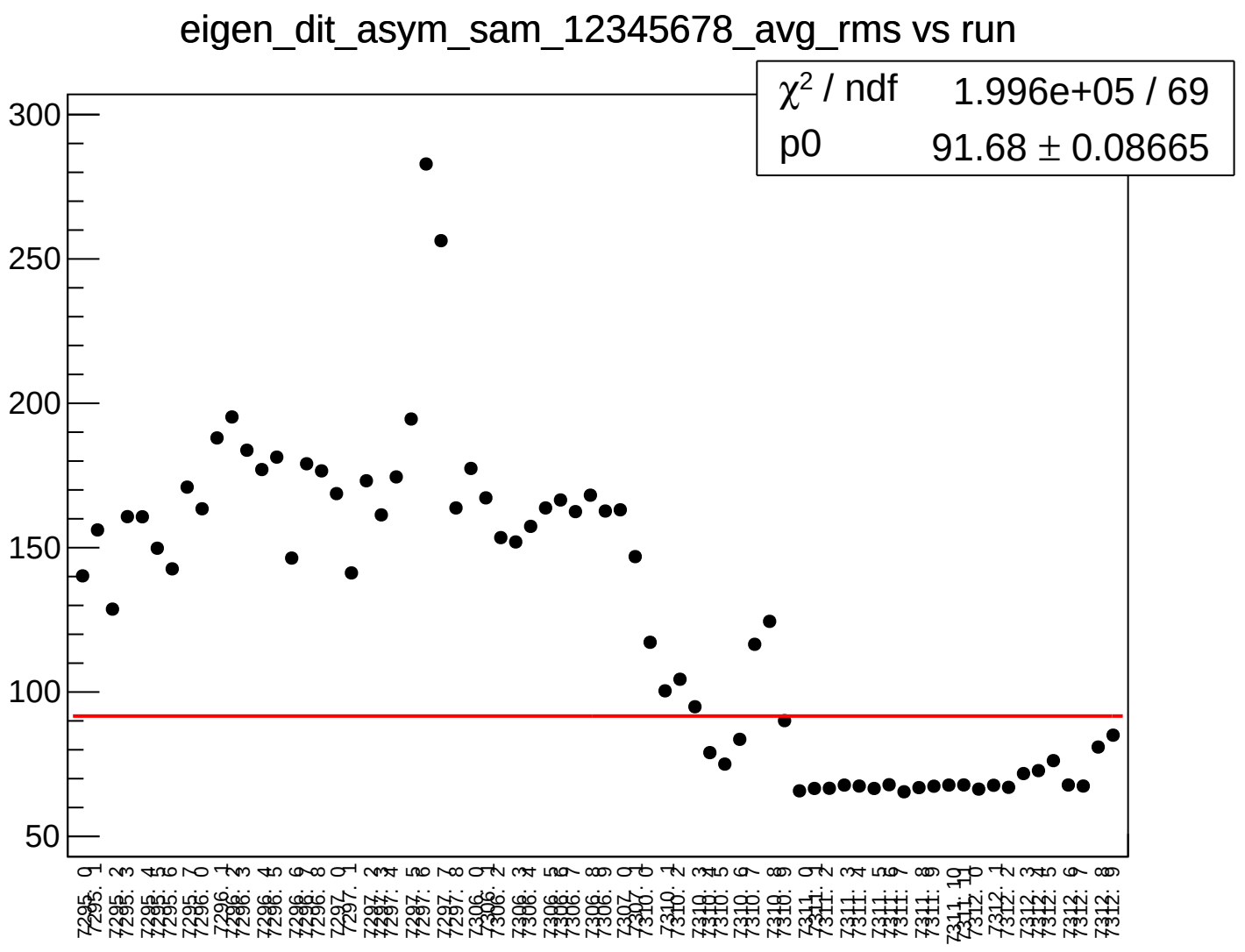

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.996e+05 / 69
p0 91.68 ± 0.08665
300
250
200
150
100
50

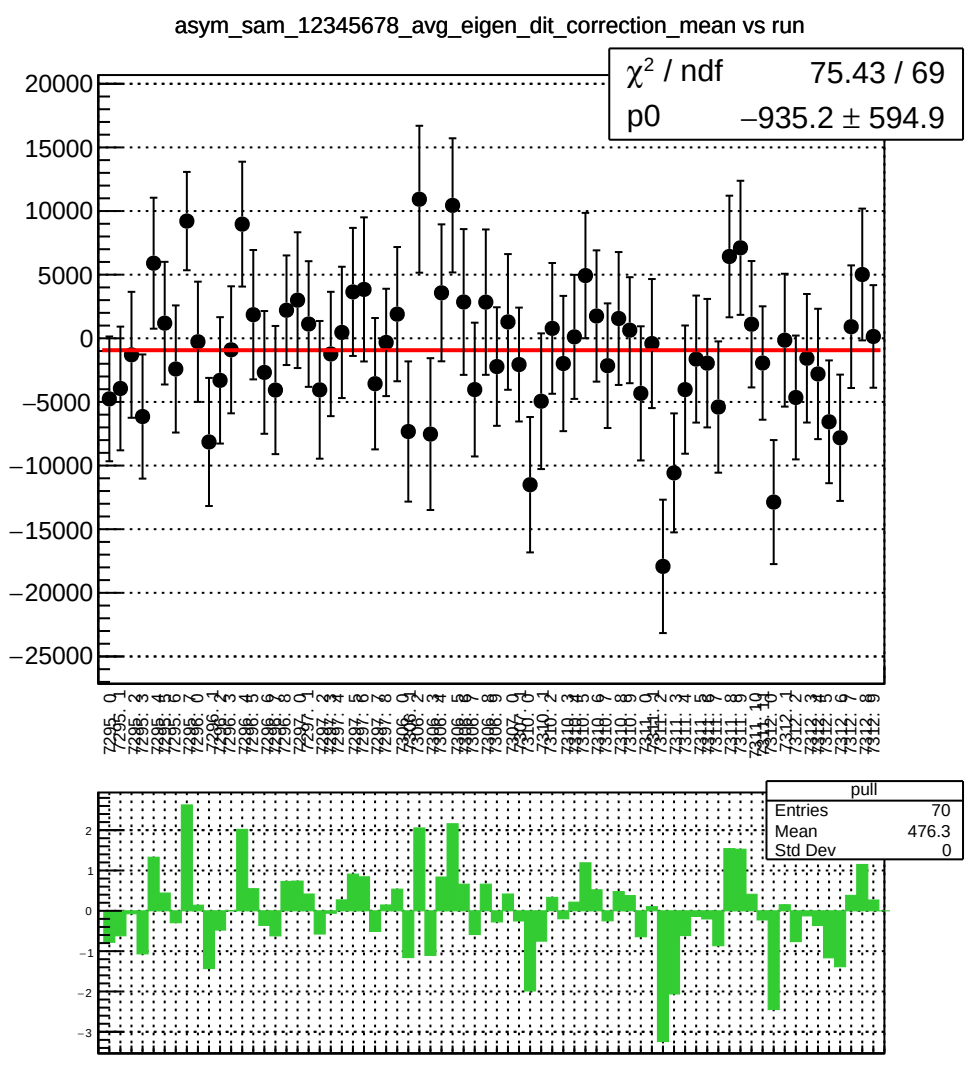

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 75.43 / 69
p0 −935.2 ± 594.9
pull
Entries 70
Mean 476.2
Std Dev 0

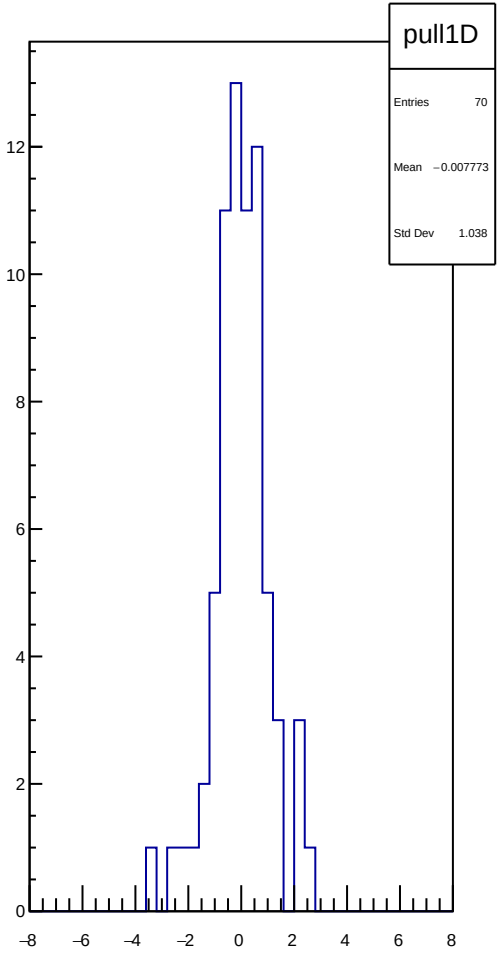

pull1D
Entries 70
Mean −0.007773
Std Dev 1.038

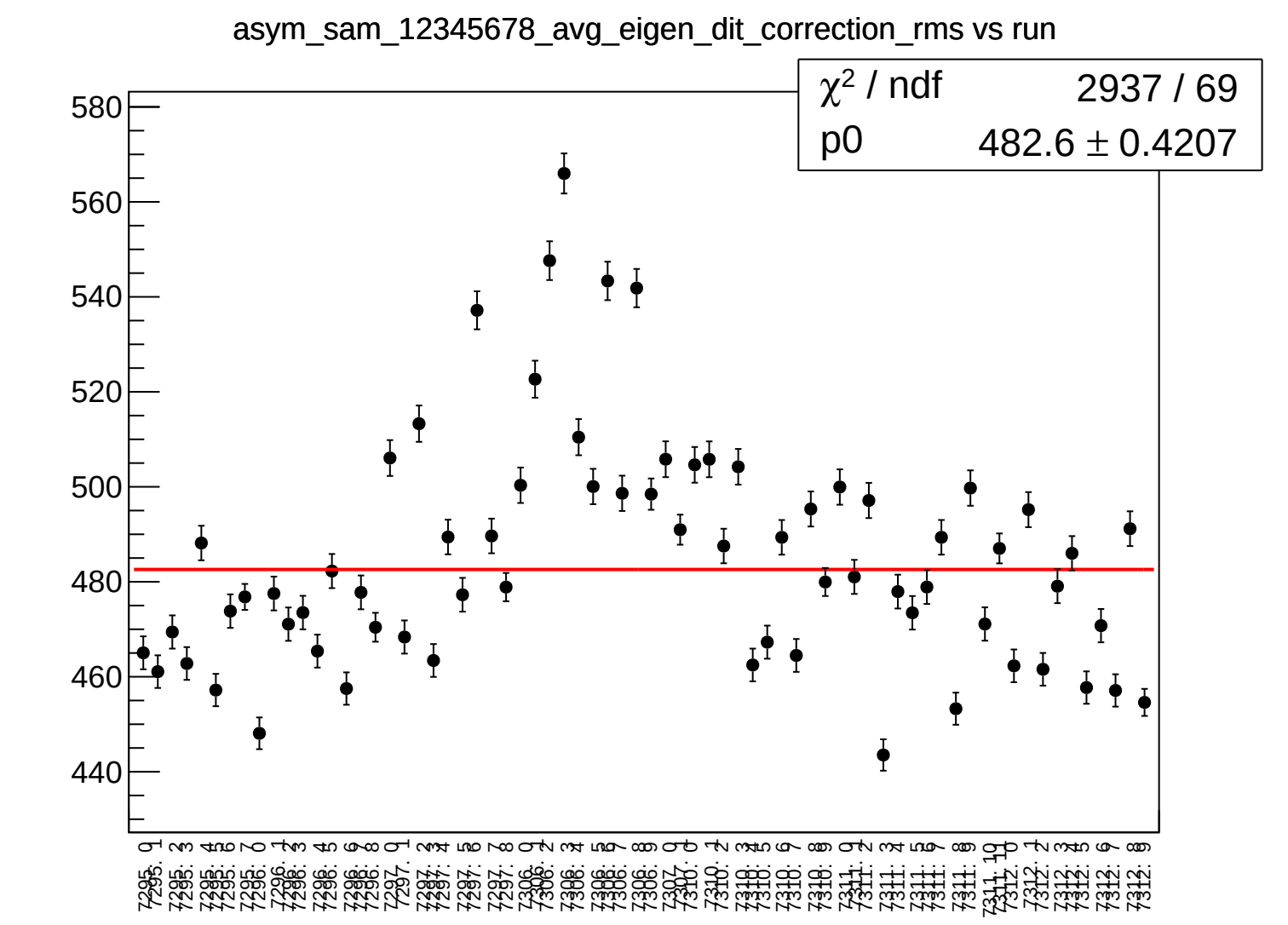

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2937 / 69
p0 482.6 ± 0.4207
580
560
540
520
500
480
460
440

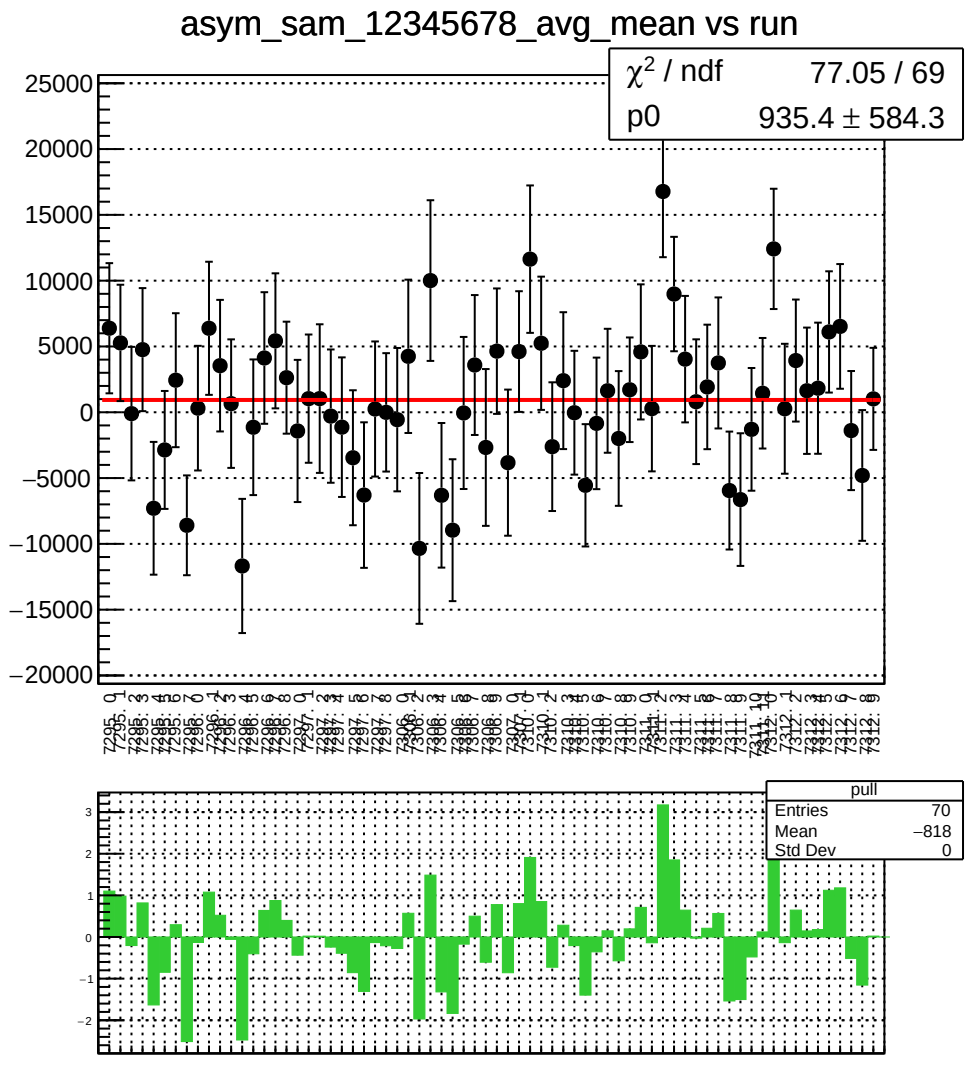

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 86.88 / 69
p0 −155.7 ± 122.5
pull
Entries 70
Mean −7.405
Std Dev 0
pull1D
Entries 70
Mean 0.0386
Std Dev 1.113

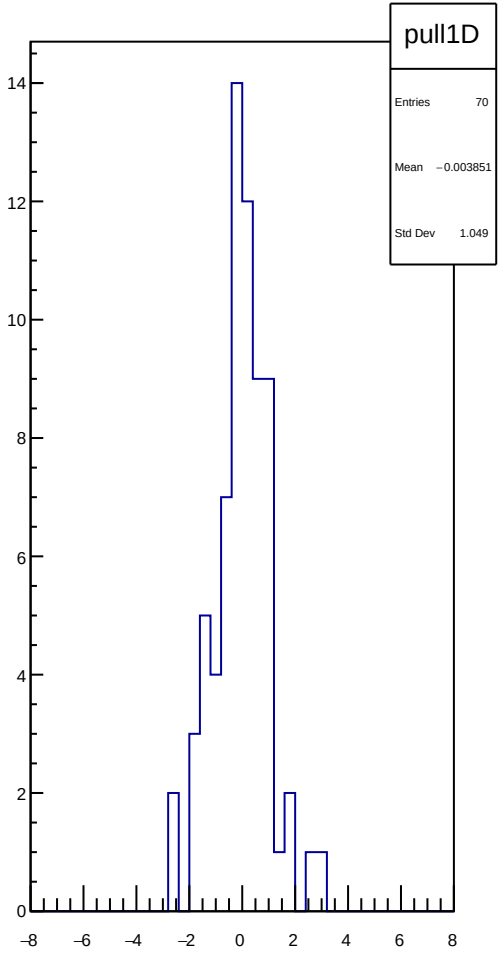

eigen_dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.996e+05 / 69
p0 91.68 ± 0.08665
300
250
200
150
100
50

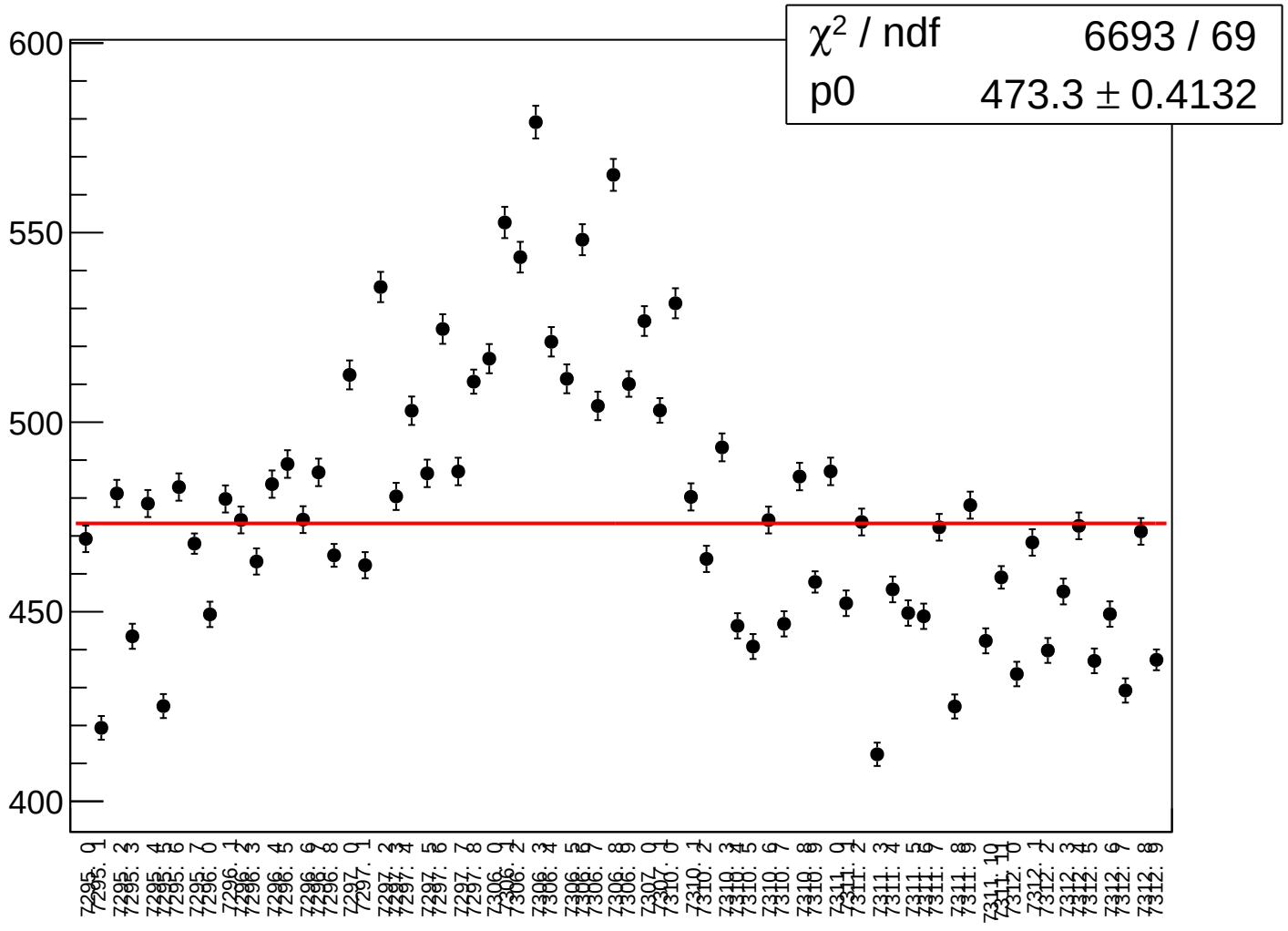

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.43 / 69
p0 −935.2 ± 594.9
pull
Entries 70
Mean 476.3
Std Dev 0

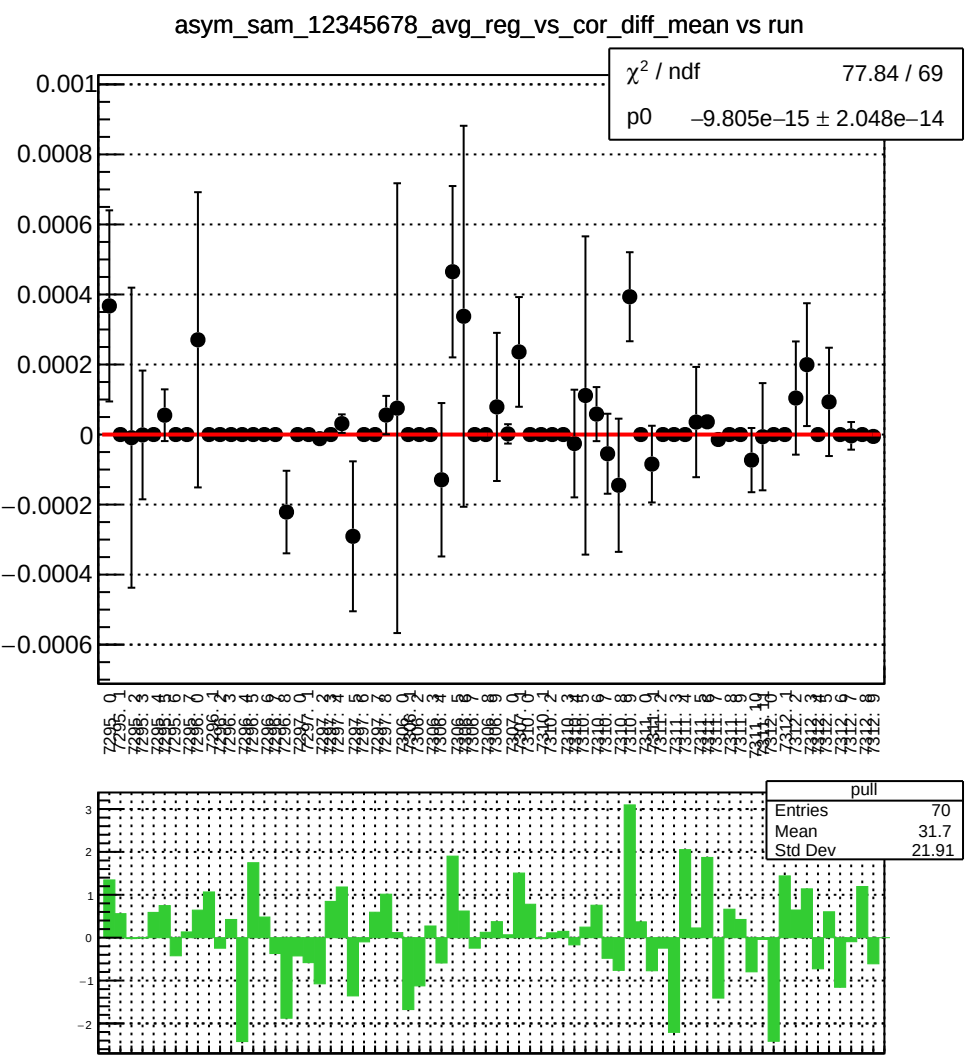

pull1D
Entries 70
Mean −0.007773
Std Dev 1.038

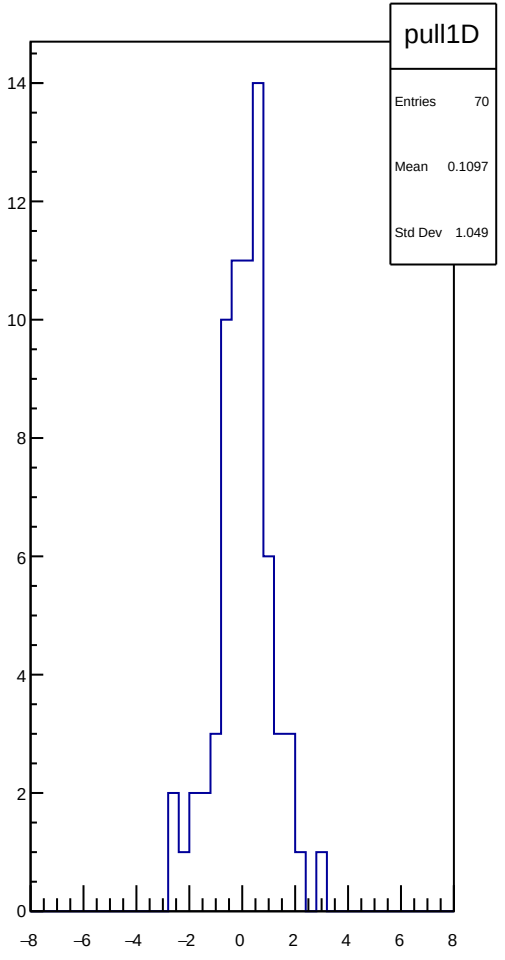

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2937 / 69
p0 482.6 ± 0.4207
580
560
540
520
500
480
460
440

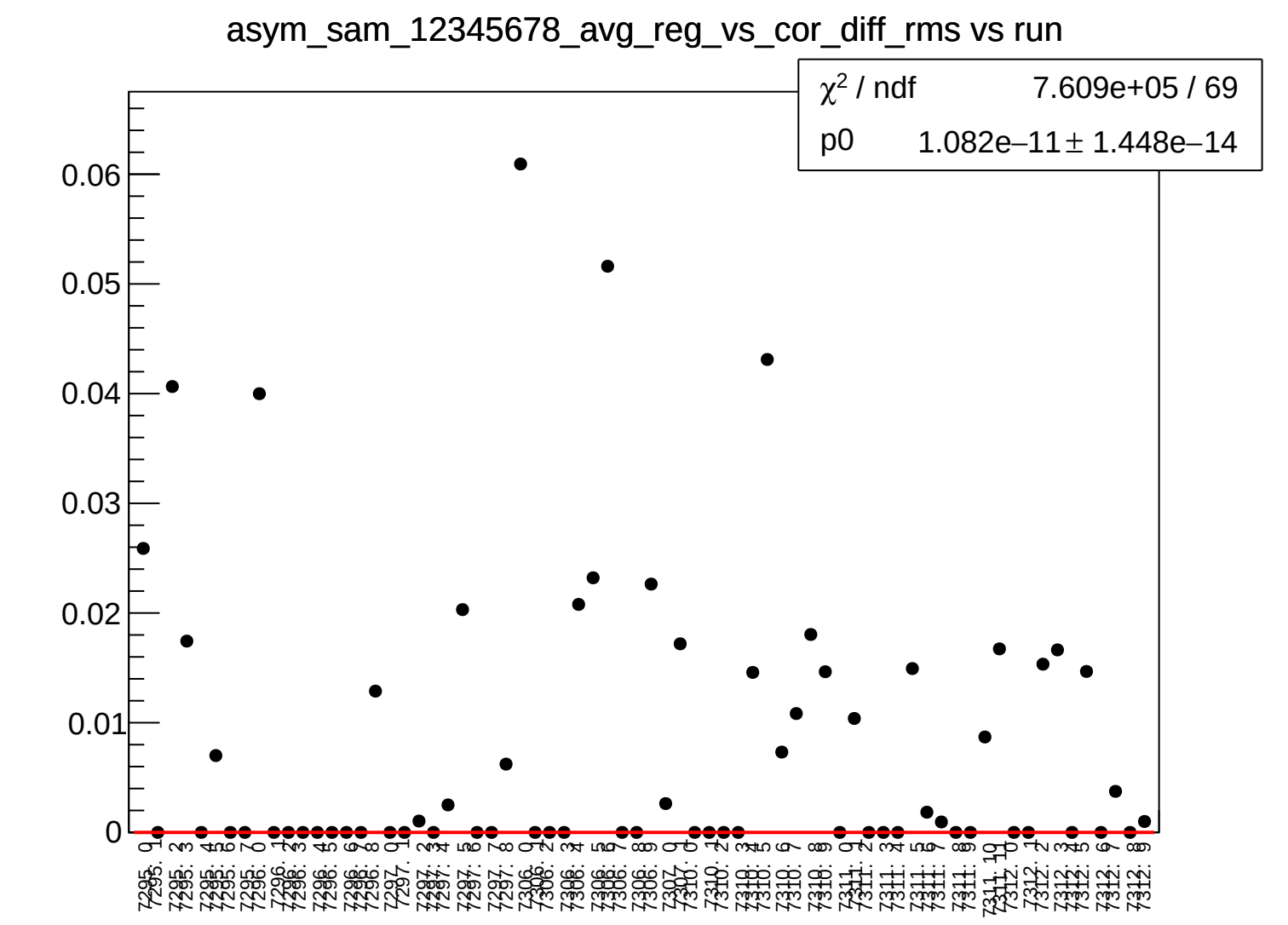

asym_sam_12345678_avg_mean vs run
χ² / ndf 77.05 / 69
p0 935.4 ± 584.3
pull
Entries 70
Mean −818
Std Dev 0

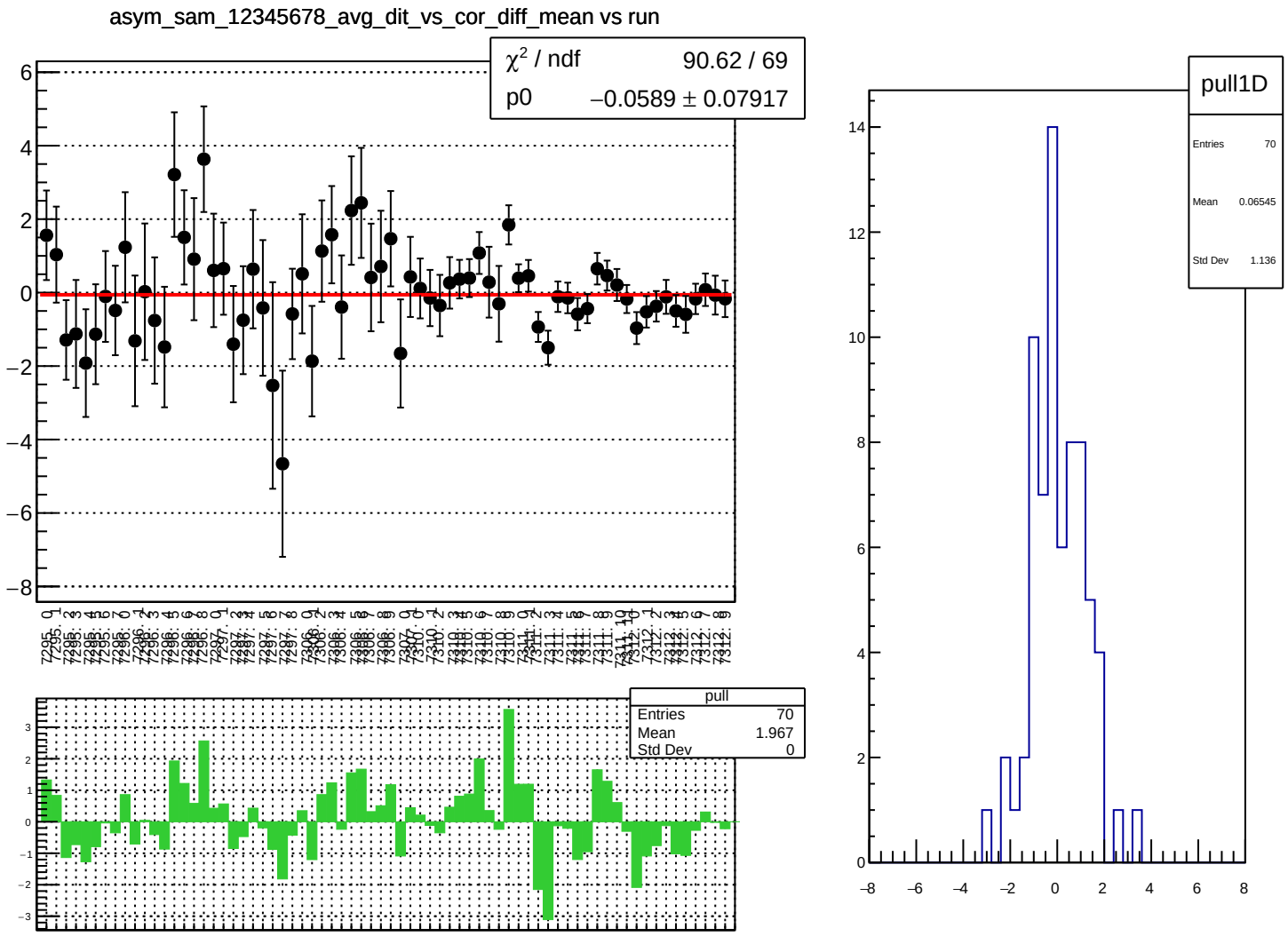

pull1D
Entries 70
Mean −0.003851
Std Dev 1.049

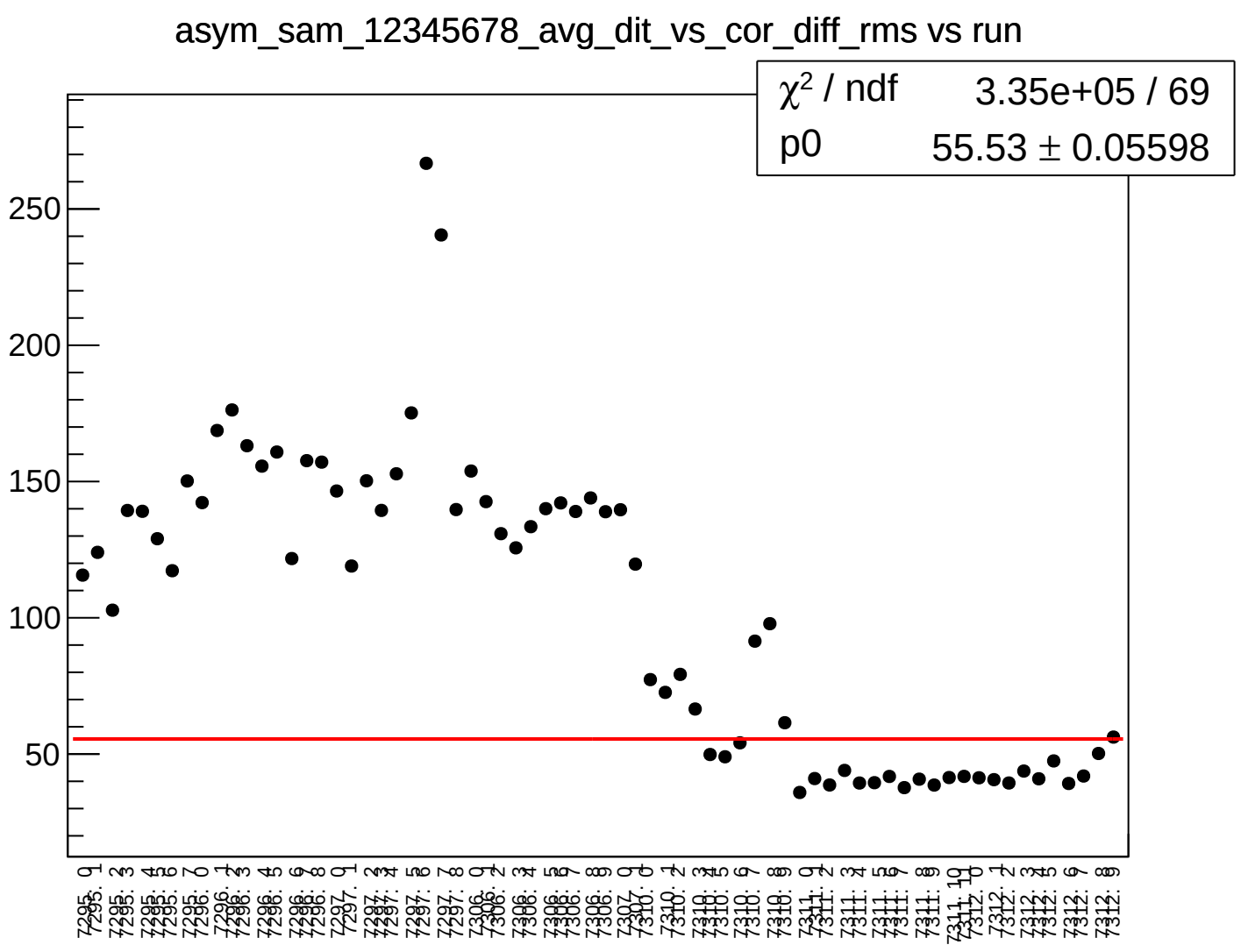

asym_sam_12345678_avg_rms vs run
χ² / ndf 6693 / 69
p0 473.3 ± 0.4132
600
550
500
450
400

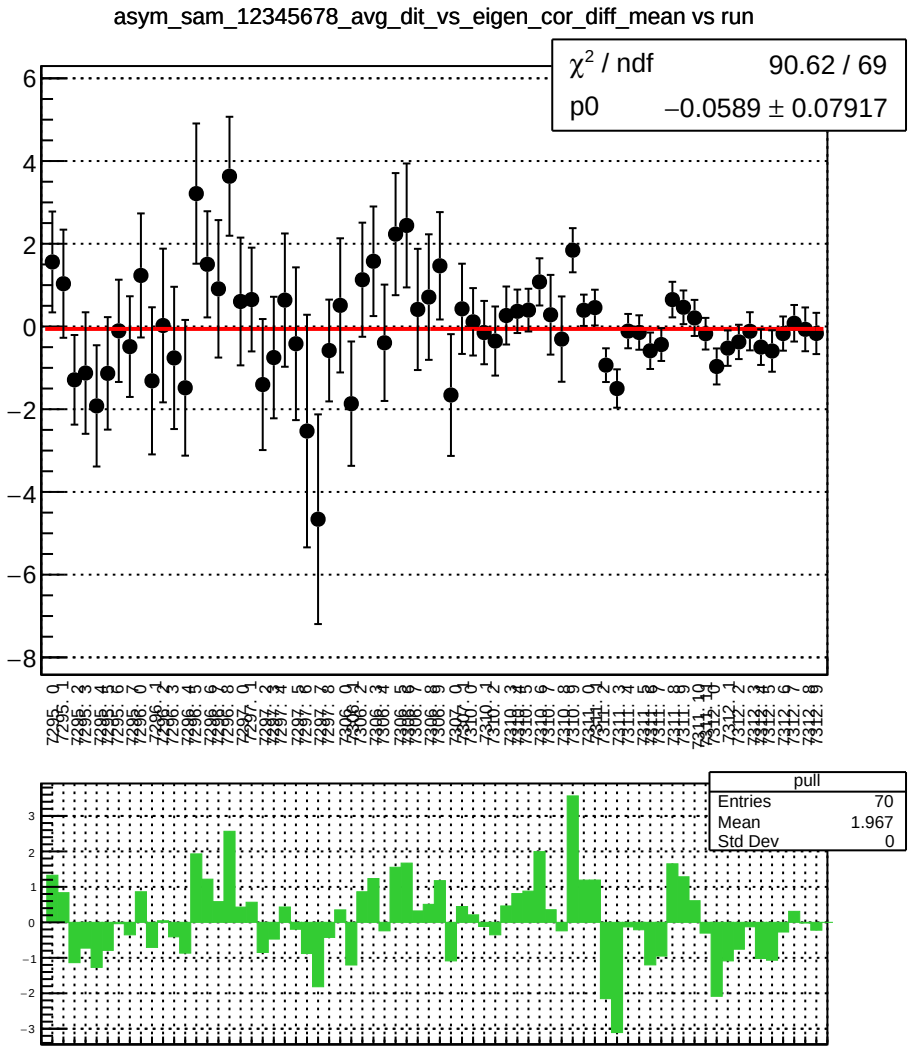

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.84 / 69
p0 −9.805e−15 ± 2.048e−14
pull
Entries 70
Mean 31.7
Std Dev 21.91

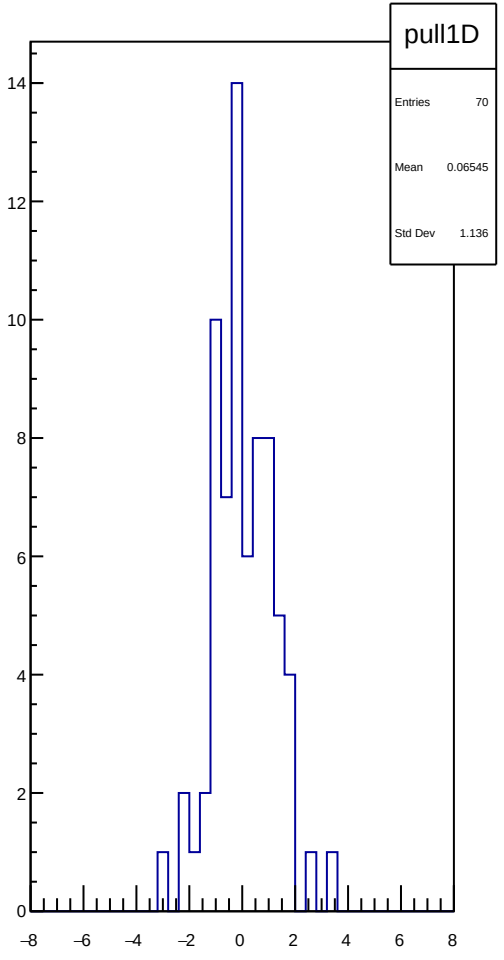

pull1D
Entries 70
Mean 0.1097
Std Dev 1.049

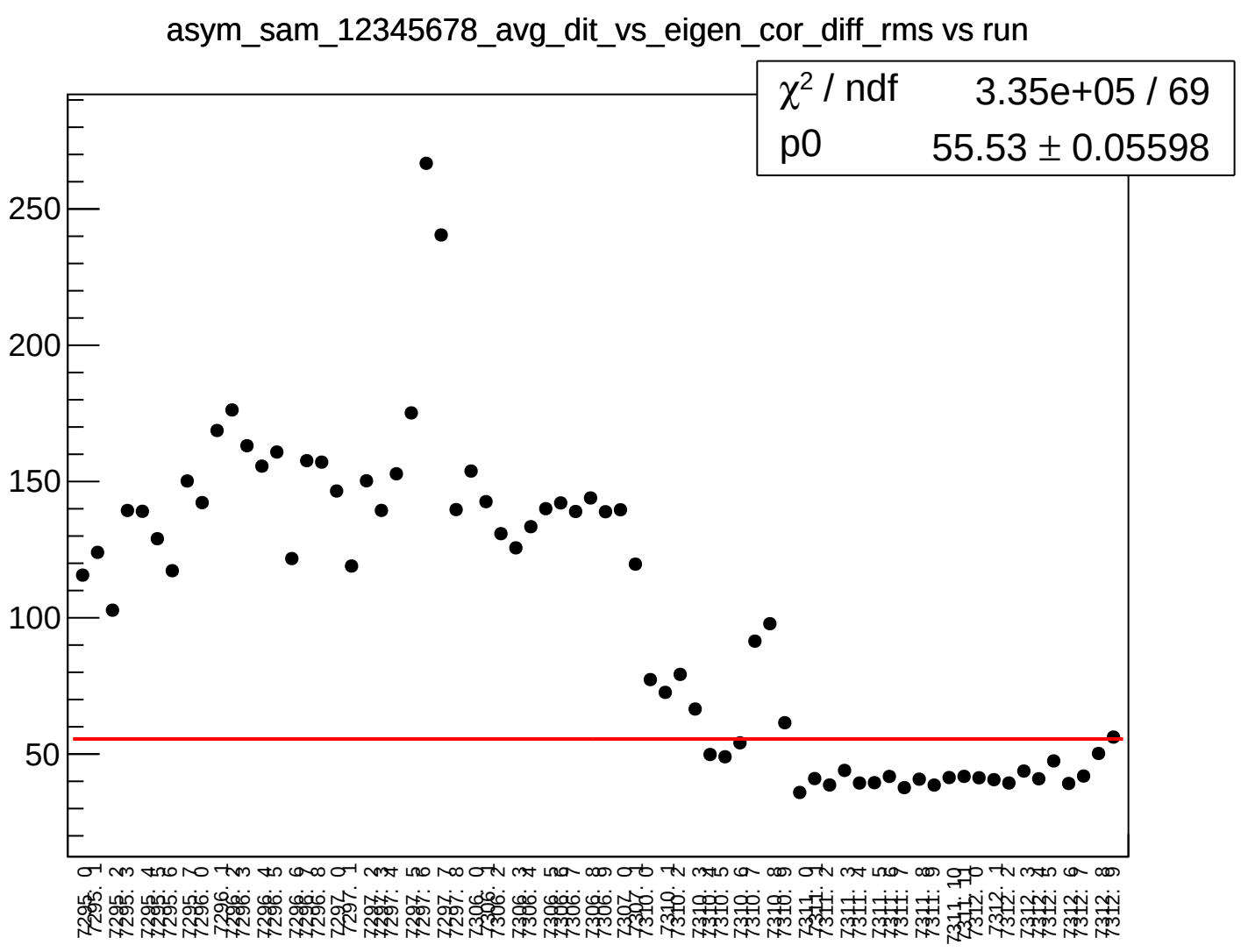

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.609e+05 / 69
p0 1.082e−11 ± 1.448e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

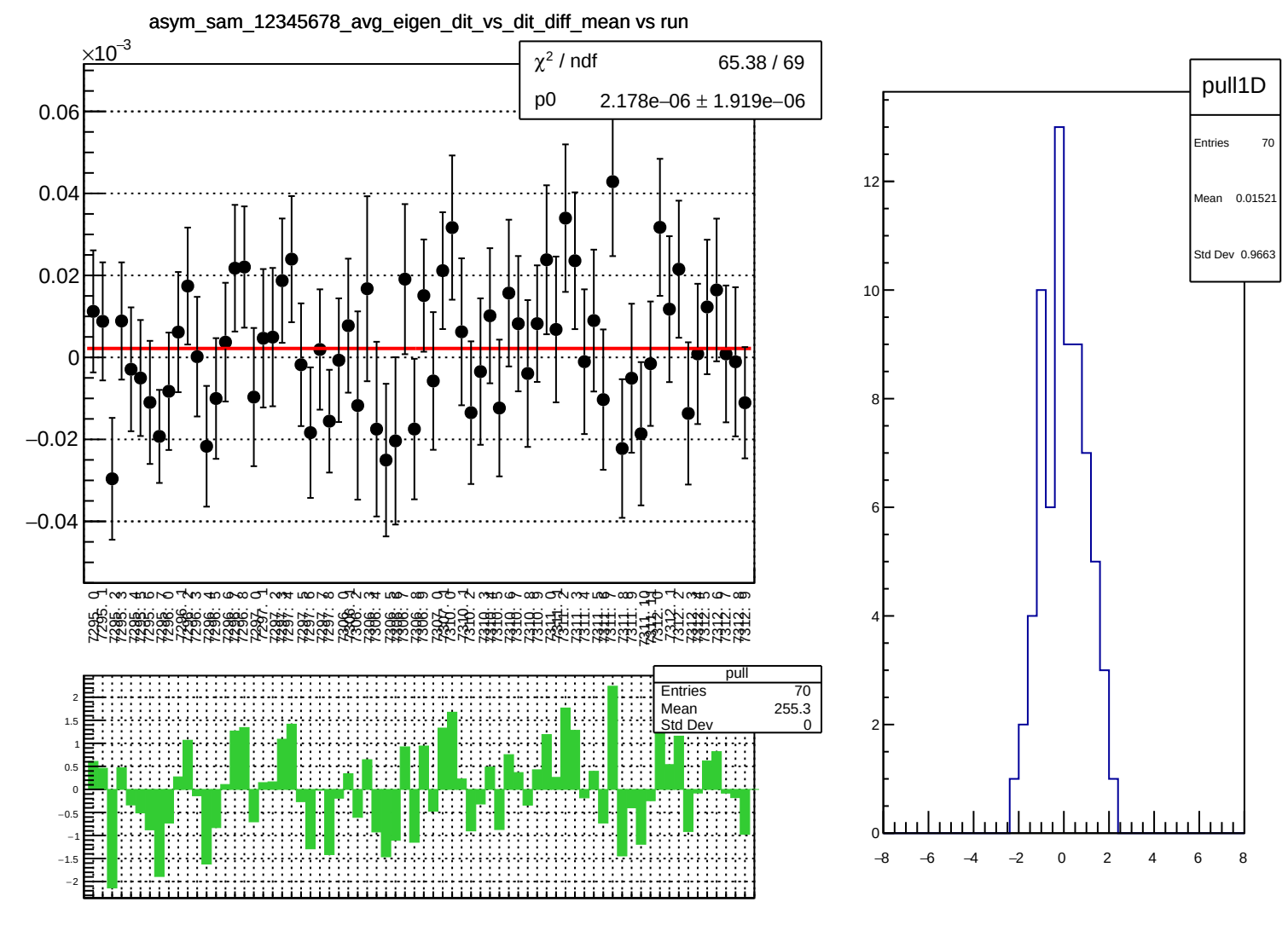

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 90.62 / 69
p0 −0.0589 ± 0.07917
pull
Entries 70
Mean 1.967
Std Dev 0
pull1D
Entries 70
Mean 0.06545
Std Dev 1.136

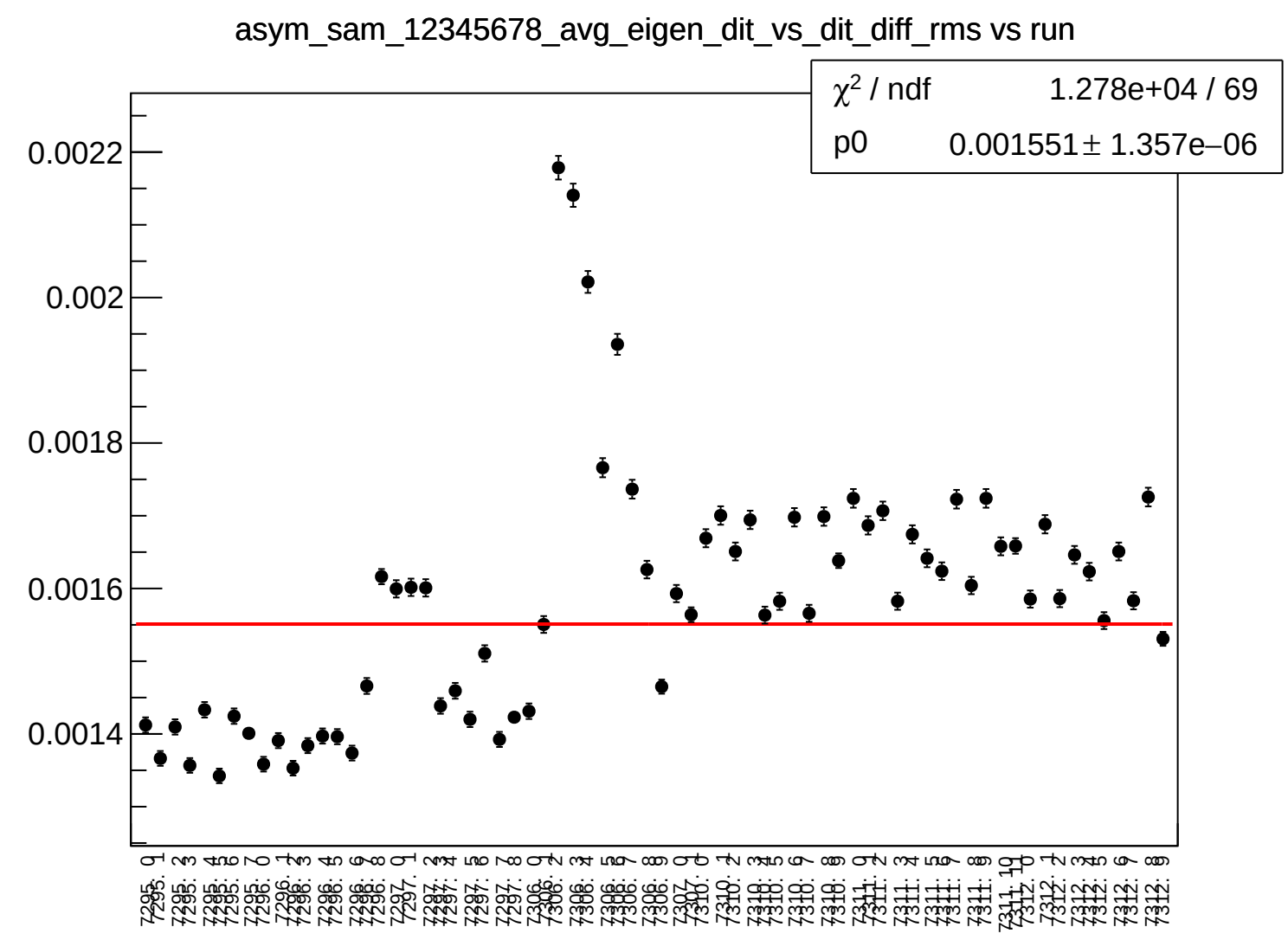

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.35e+05 / 69
p0 55.53 ± 0.05598
250
200
150
100
50

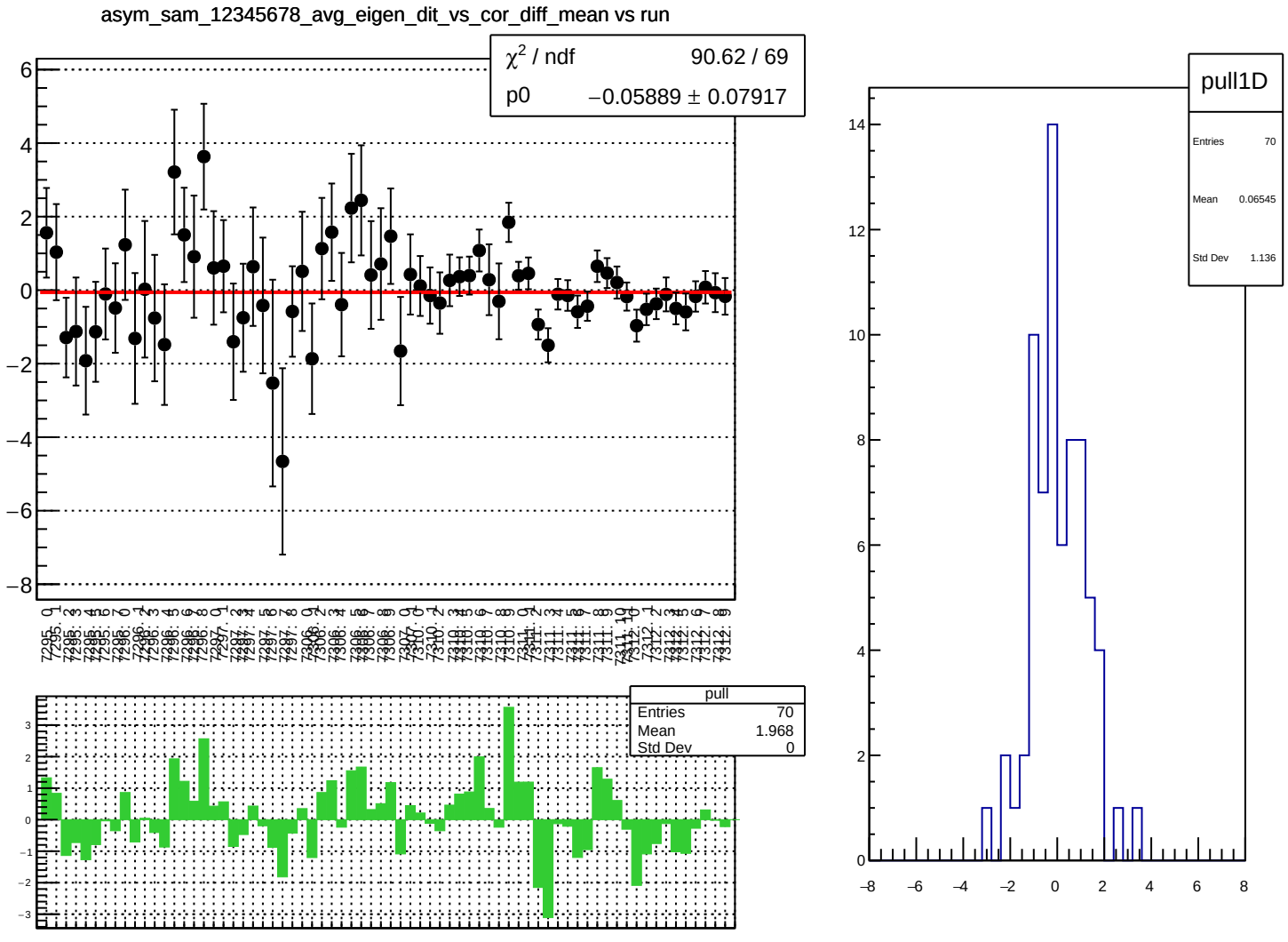

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.62 / 69
p0 −0.0589 ± 0.07917
pull
Entries 70
Mean 1.967
Std Dev 0

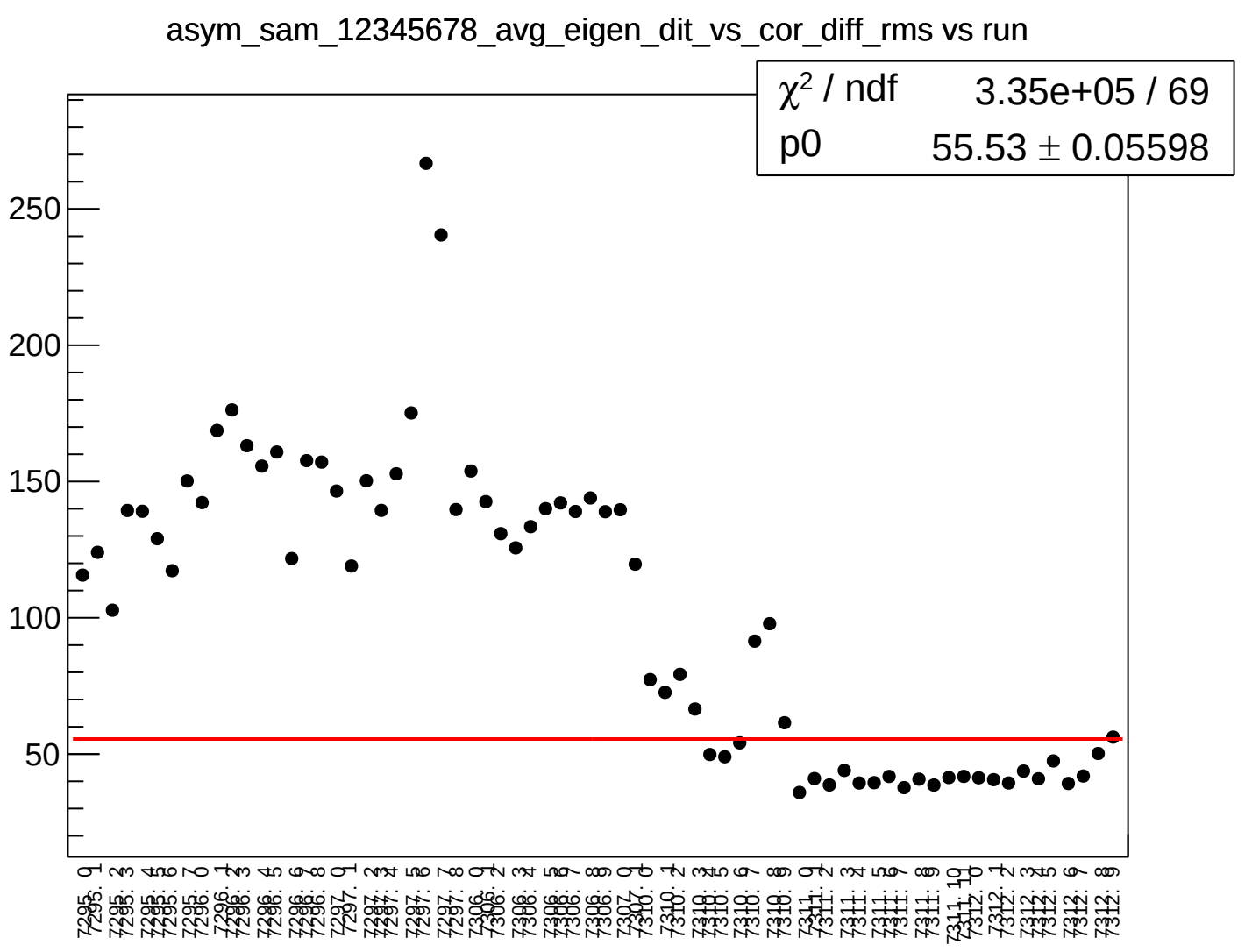

pull1D
Entries 70
Mean 0.06545
Std Dev 1.136

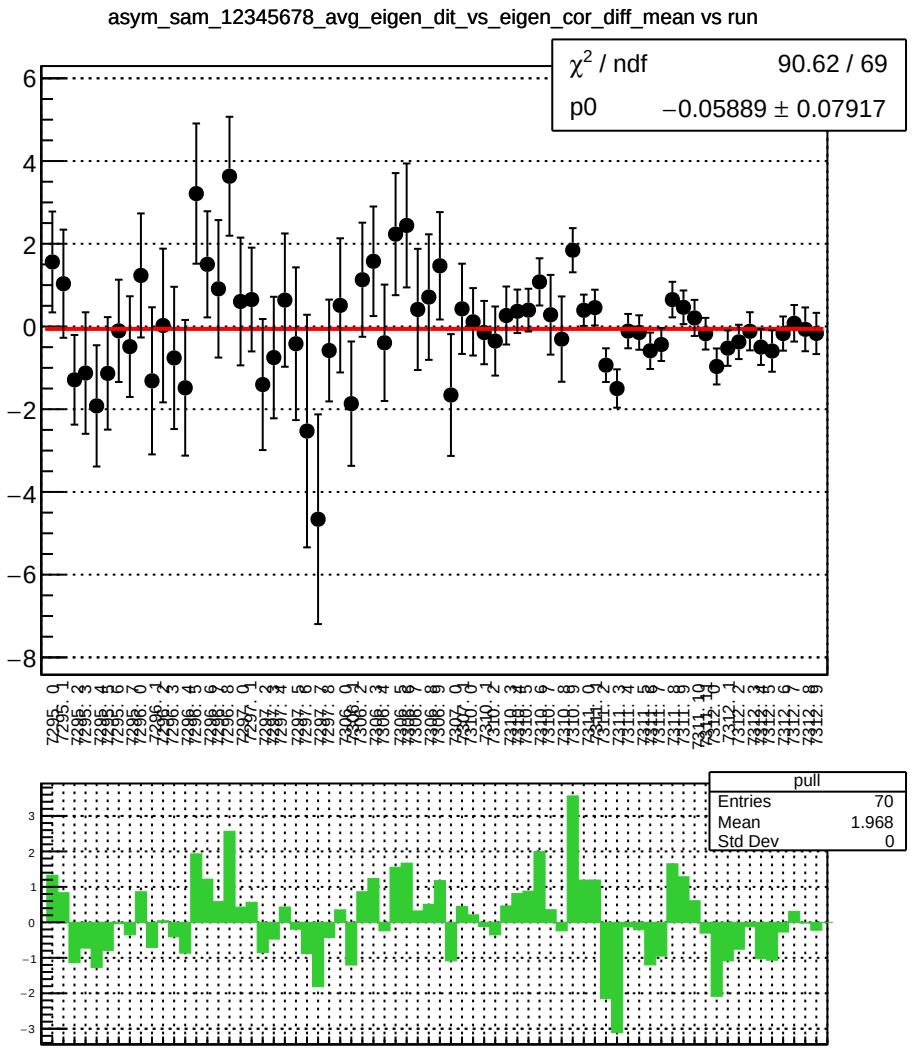

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.35e+05 / 69
p0 55.53 ± 0.05598
250
200
150
100
50

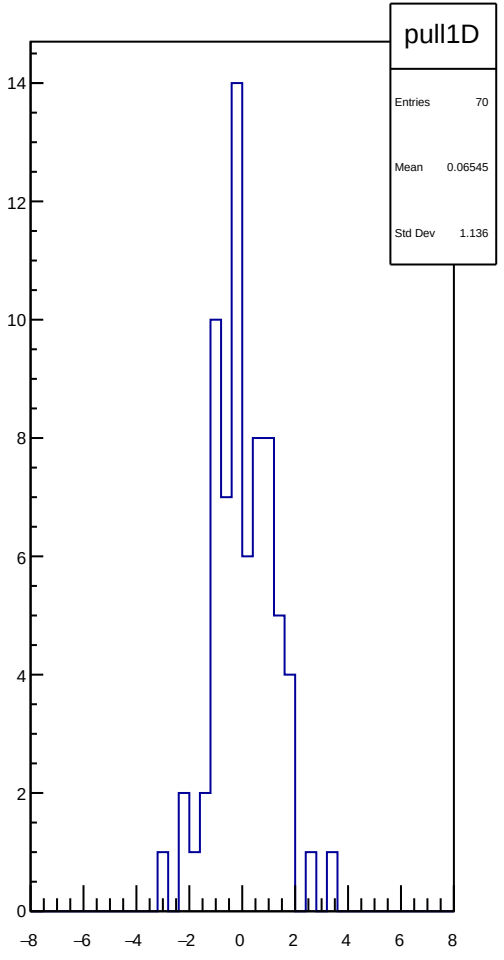

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.38 / 69
p0 2.178e−06 ± 1.919e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 70
Mean 255.3
Std Dev 0
pull1D
Entries 70
Mean 0.01521
Std Dev 0.9663
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

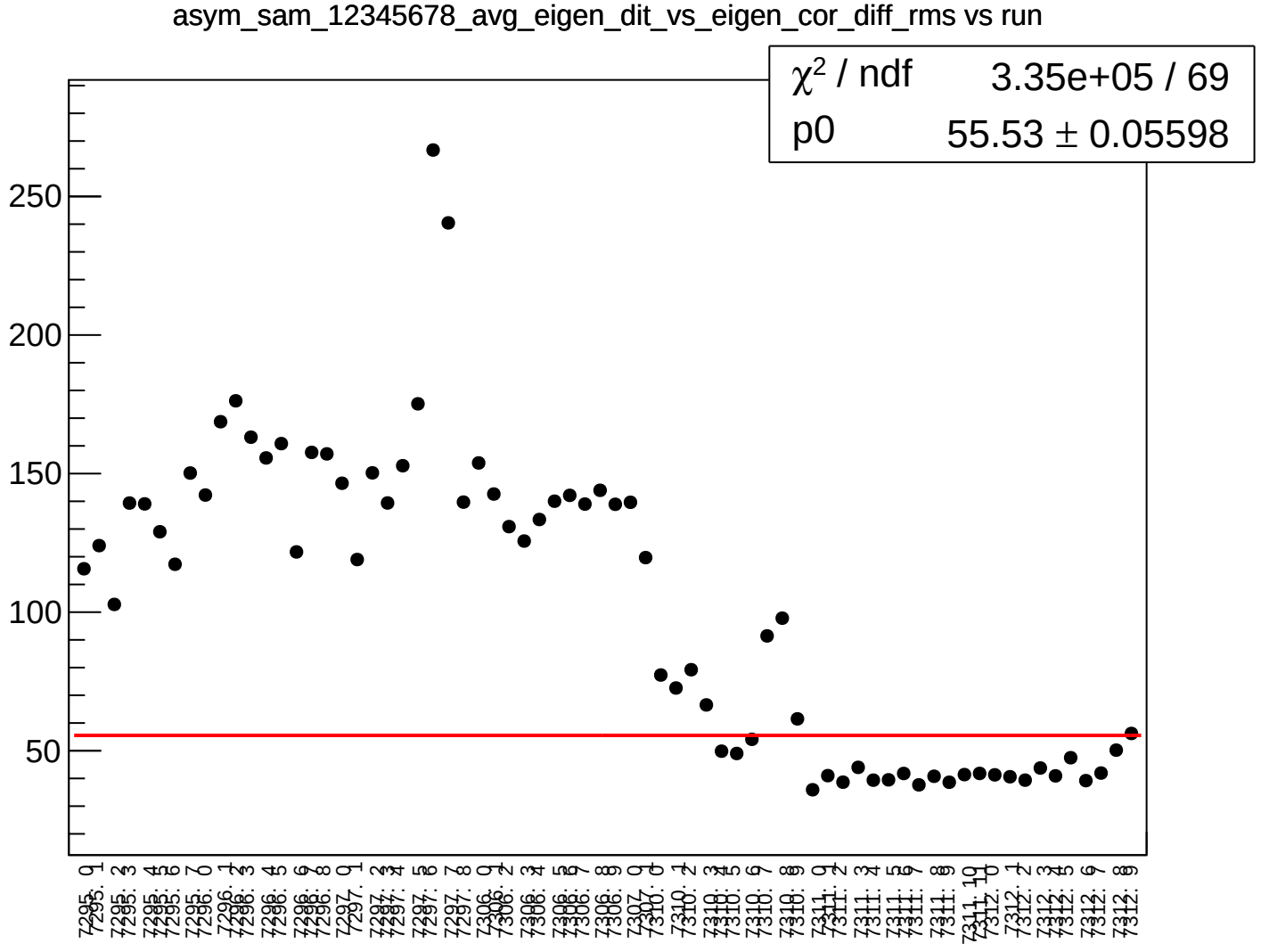

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.278e+04 / 69
p0 0.001551 ± 1.357e−06
0.0022
0.002
0.0018
0.0016
0.0014

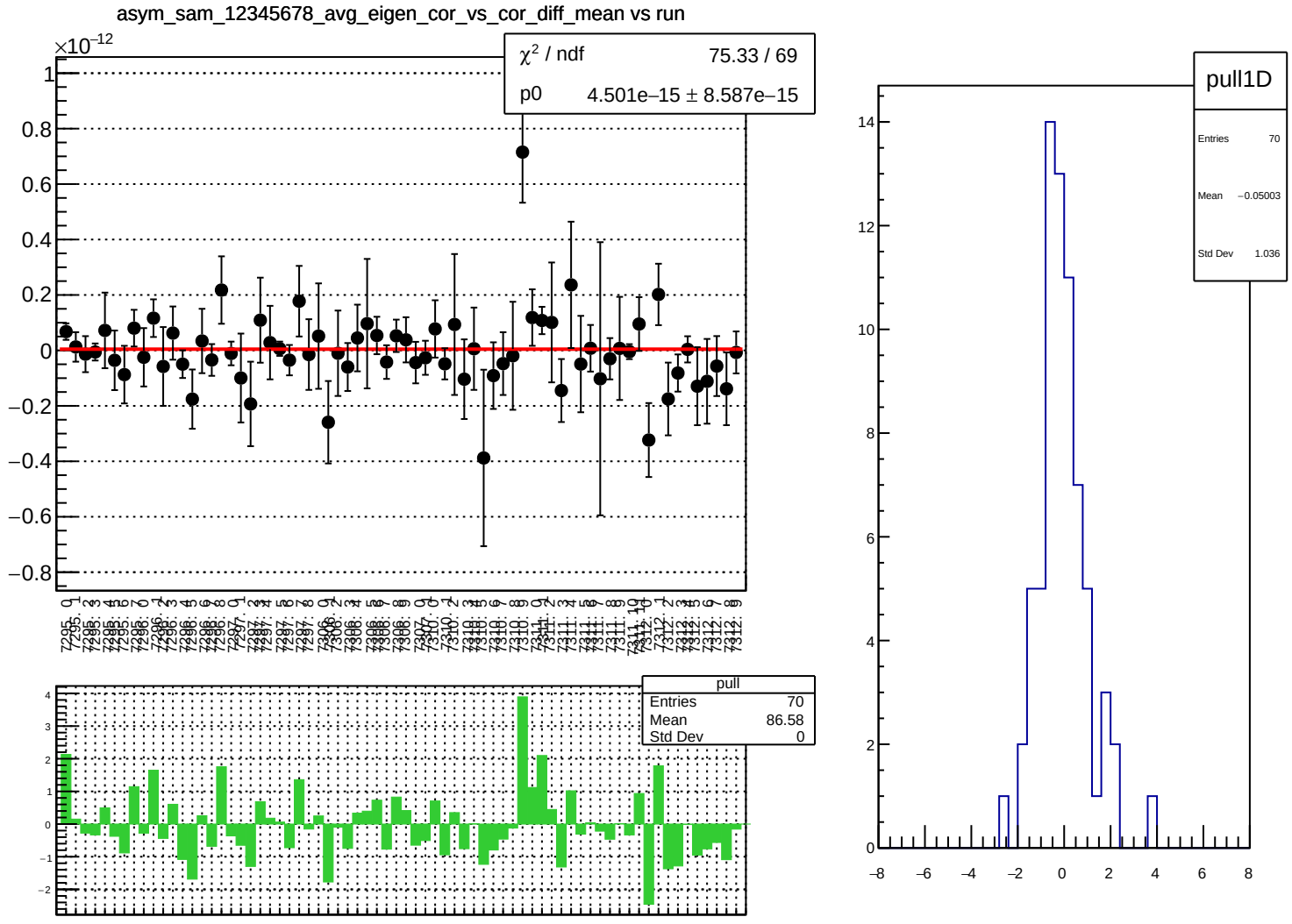

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.62 / 69
p0 −0.05889 ± 0.07917
pull
Entries 70
Mean 1.968
Std Dev 0
pull1D
Entries 70
Mean 0.06545
Std Dev 1.136

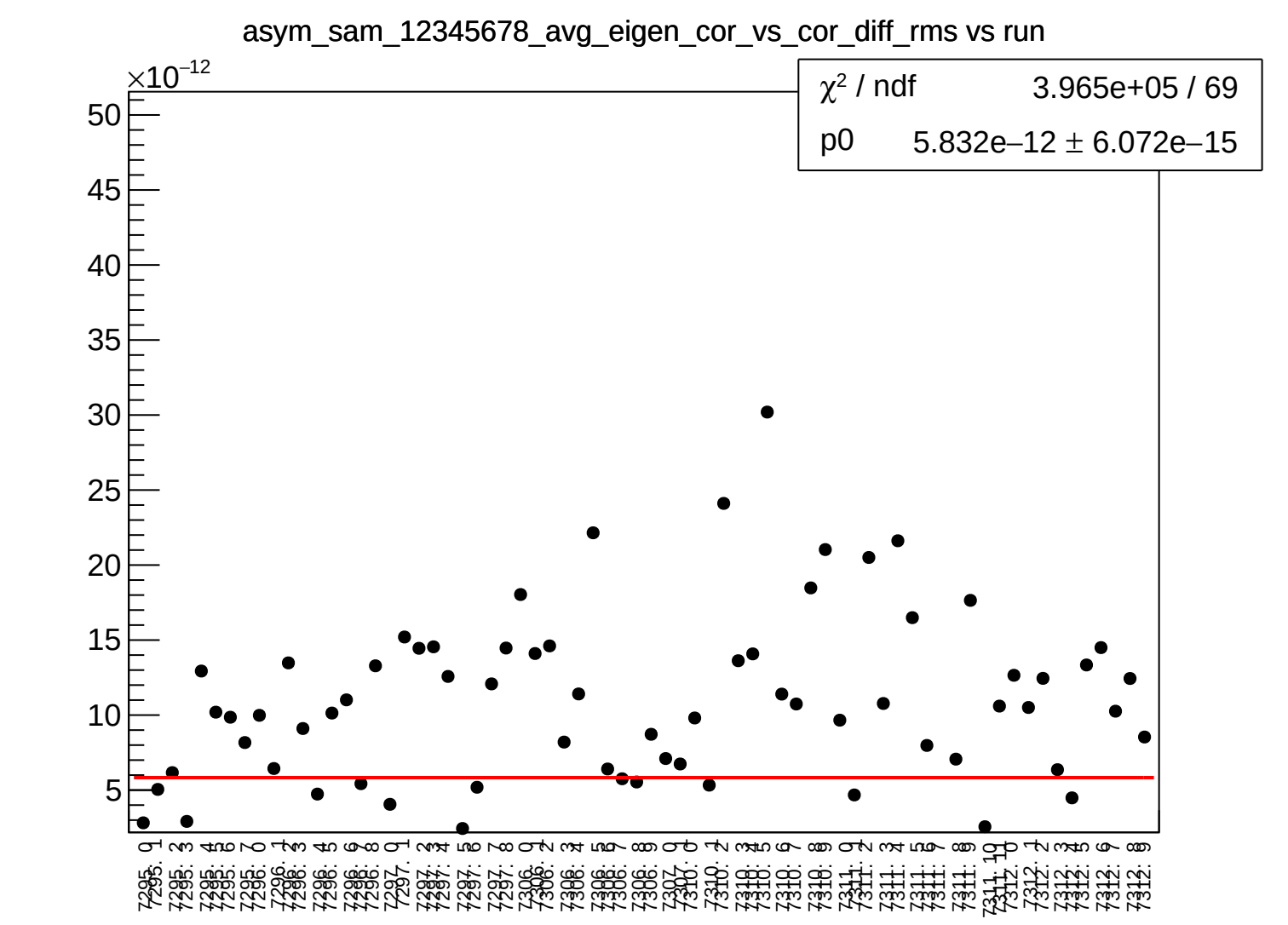

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.35e+05 / 69
p0 55.53 ± 0.05598
250
200
150
100
50

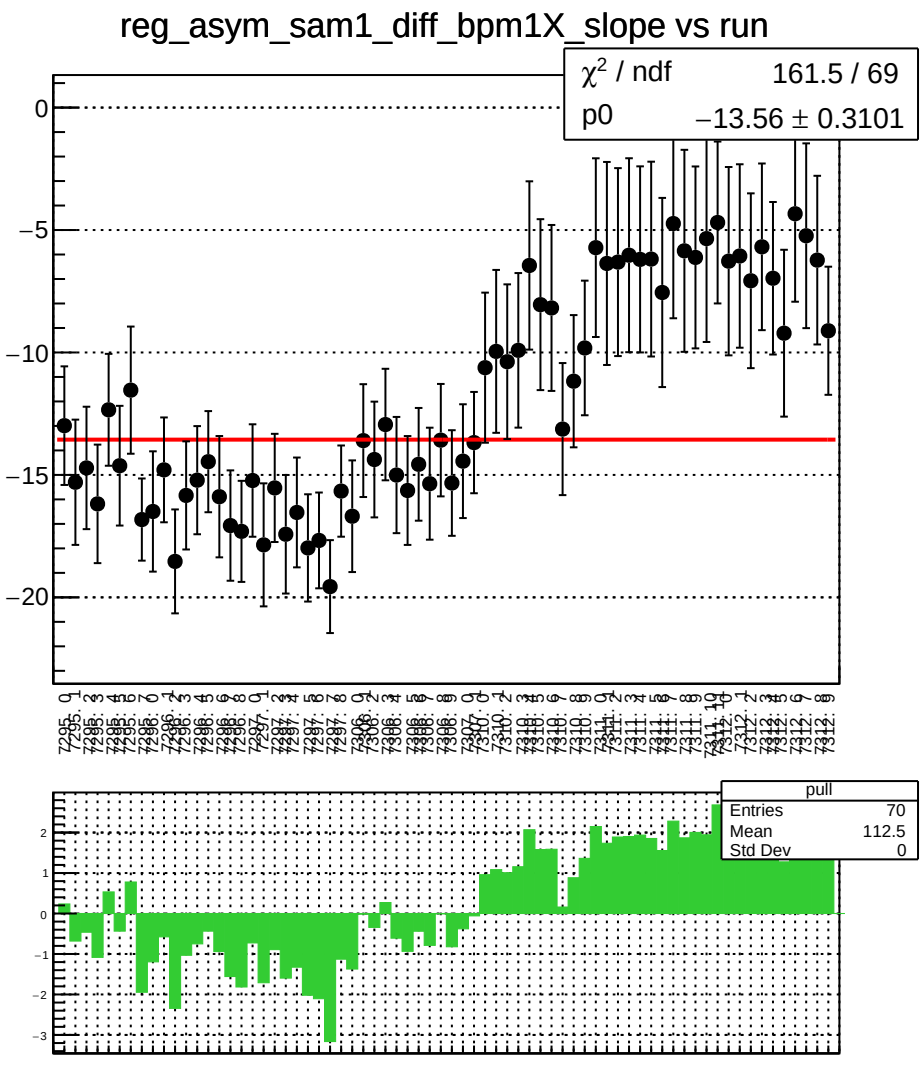

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.62 / 69
p0 −0.05889 ± 0.07917
pull
Entries 70
Mean 1.968
Std Dev 0

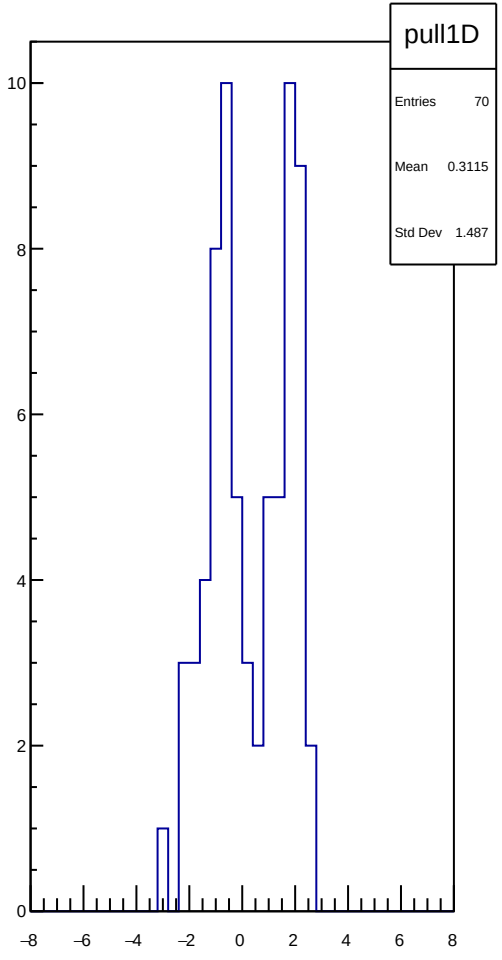

pull1D
Entries 70
Mean 0.06545
Std Dev 1.136

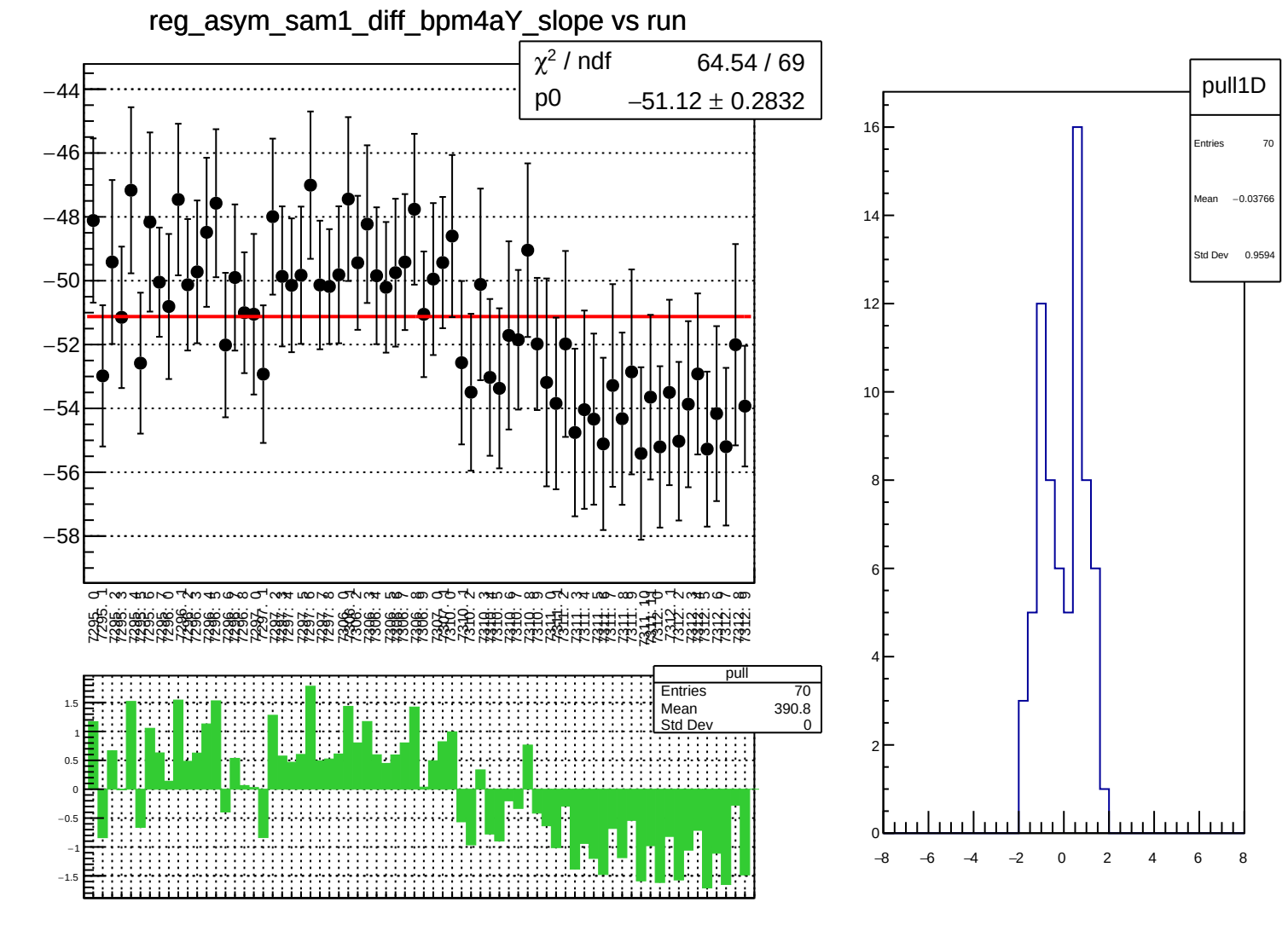

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.35e+05 / 69
p0 55.53 ± 0.05598
250
200
150
100
50

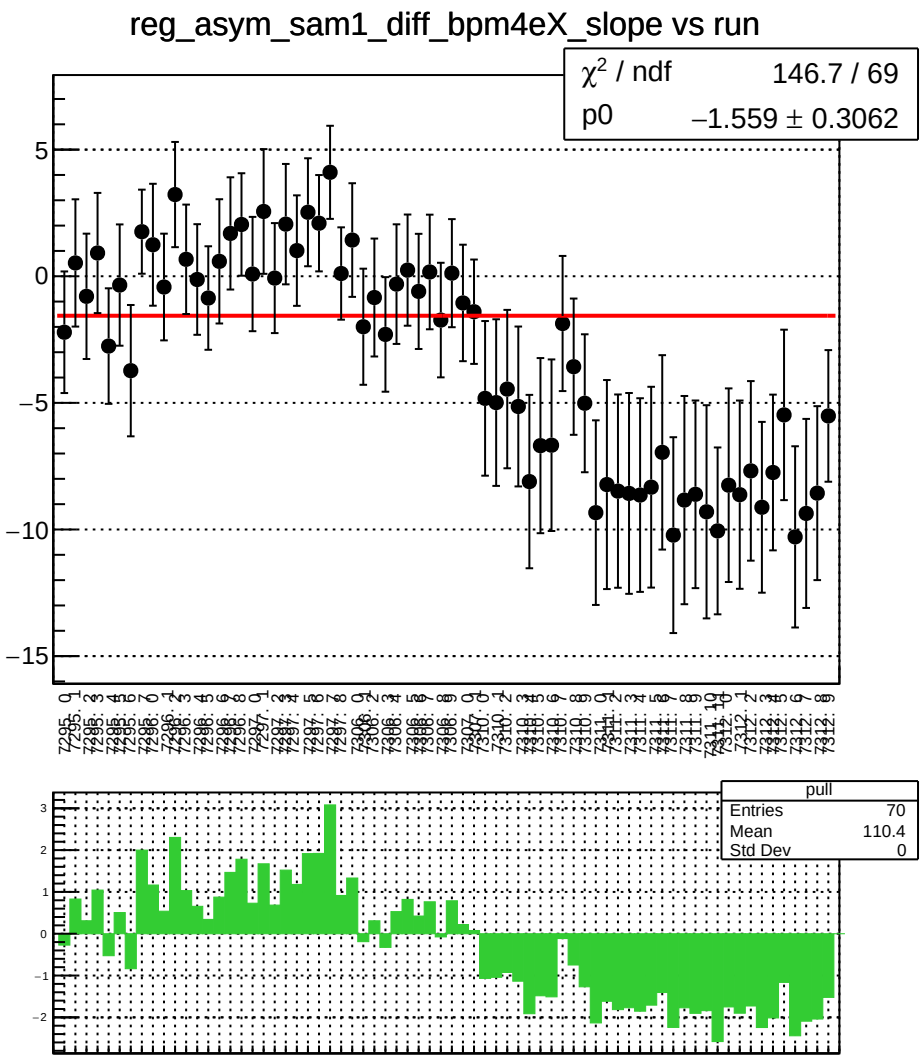

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.33 / 69
p0 4.501e−15 ± 8.587e−15
pull
Entries 70
Mean 86.58
Std Dev 0
pull1D
Entries 70
Mean −0.05003
Std Dev 1.036

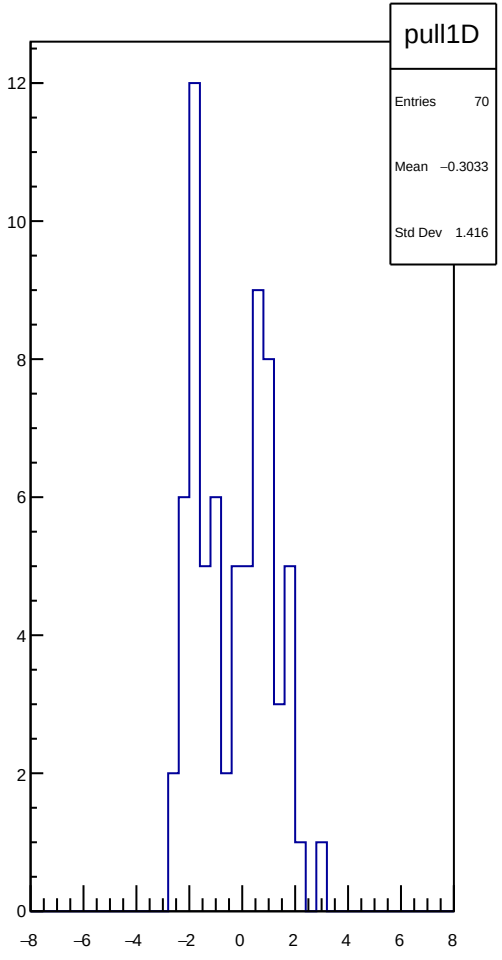

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.965e+05 / 69
p0 5.832e−12 ± 6.072e−15
50
45
40
35
30
25
20
15
10
5

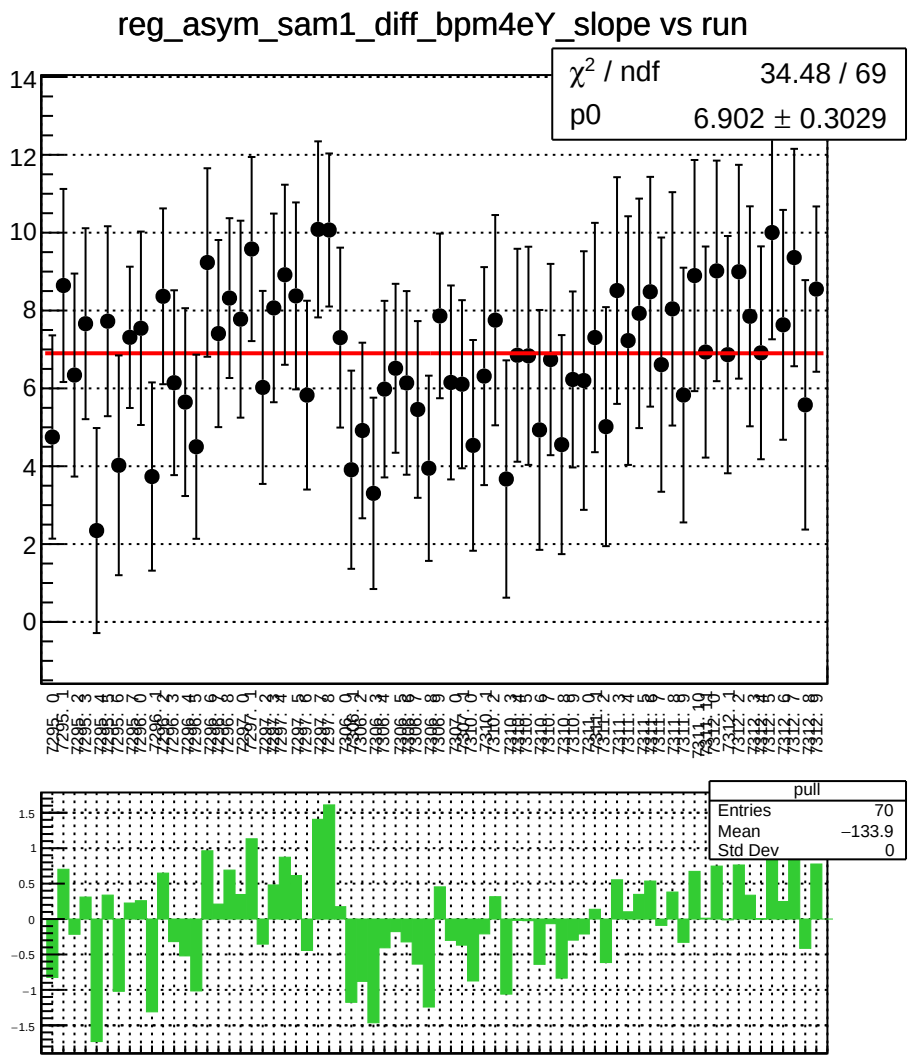

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 161.5 / 69
p0 −13.56 ± 0.3101
pull
Entries 70
Mean 112.5
Std Dev 0

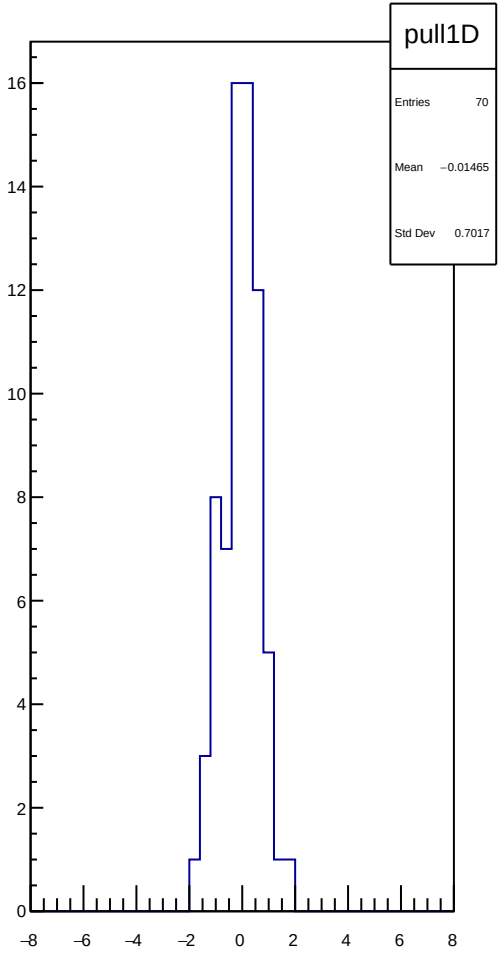

pull1D
Entries 70
Mean 0.3115
Std Dev 1.487

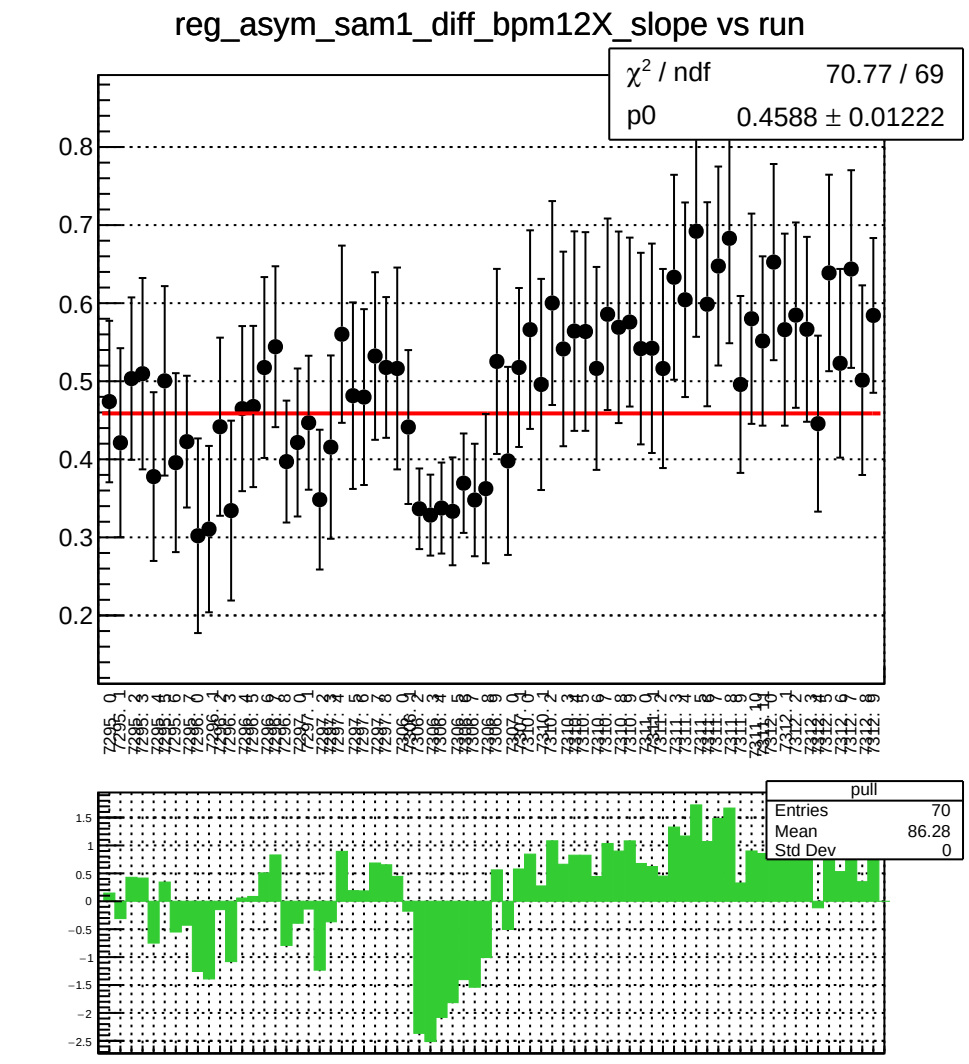

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 64.54 / 69
p0 −51.12 ± 0.2832
pull
Entries 70
Mean 390.8
Std Dev 0
pull1D
Entries 70
Mean −0.03766
Std Dev 0.9594

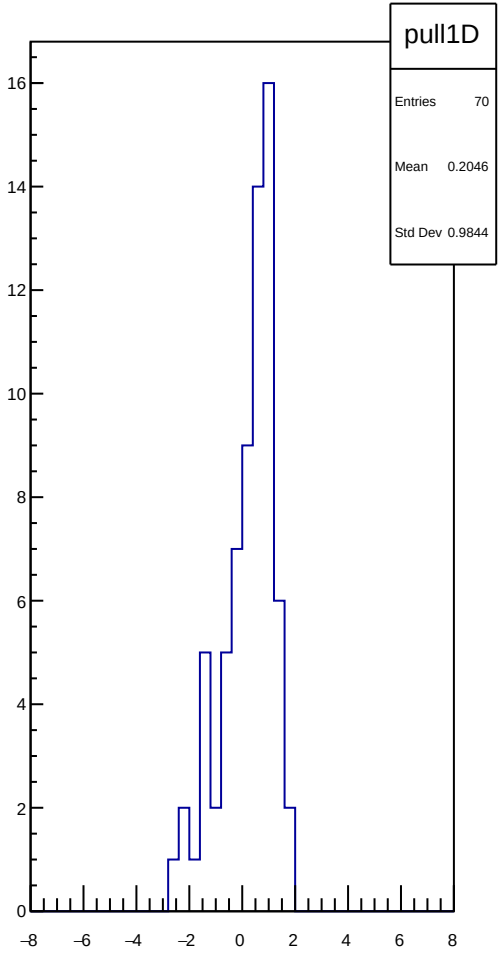

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 146.7 / 69
p0 −1.559 ± 0.3062
pull
Entries 70
Mean 110.4
Std Dev 0

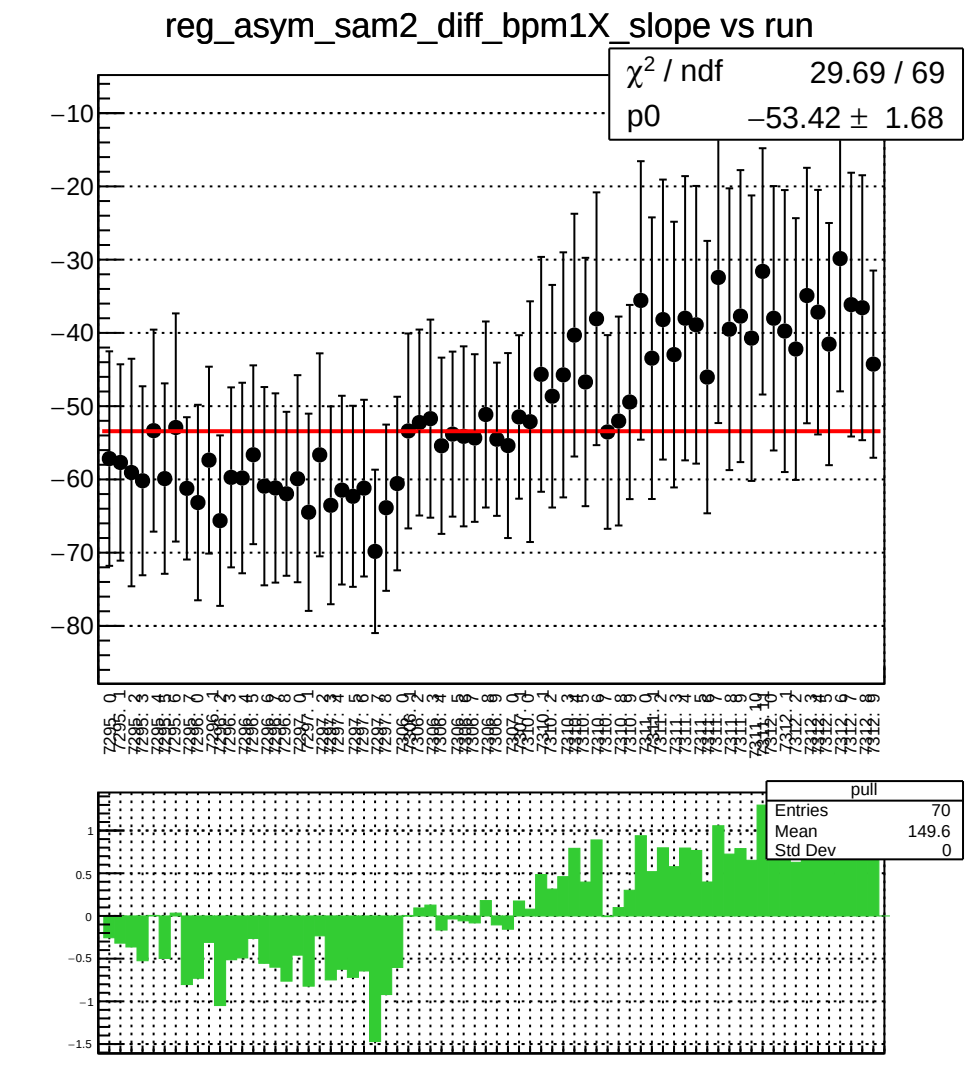

pull1D
Entries 70
Mean −0.3033
Std Dev 1.416

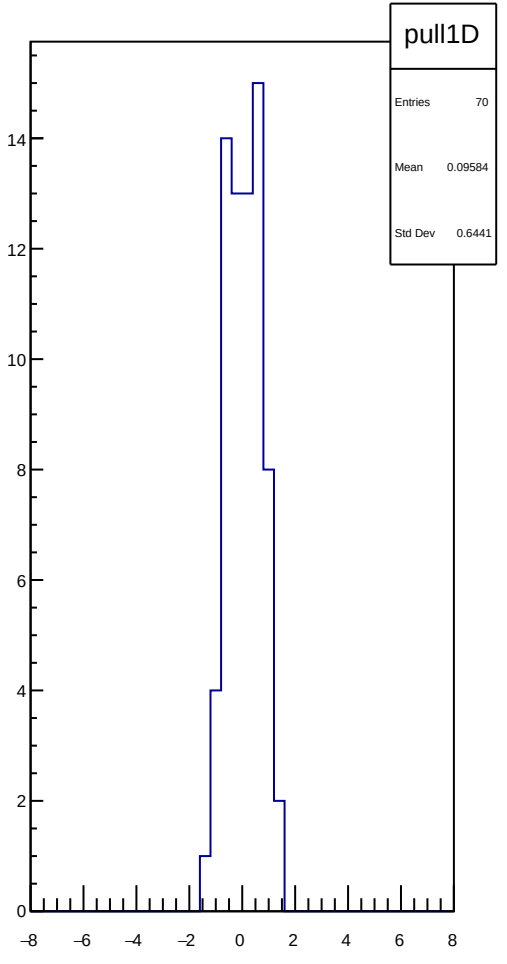

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 34.48 / 69
p0 6.902 ± 0.3029
pull
Entries 70
Mean −133.9
Std Dev 0

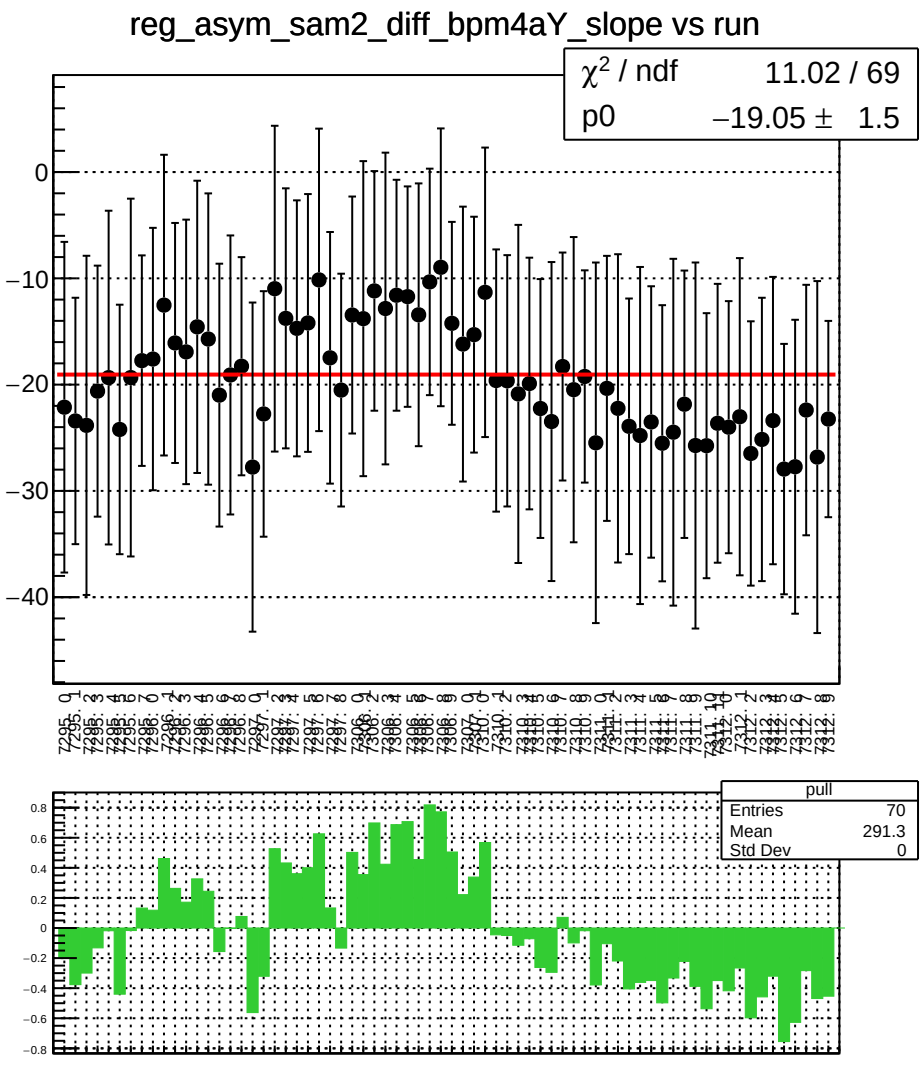

pull1D
Entries 70
Mean −0.01465
Std Dev 0.7017

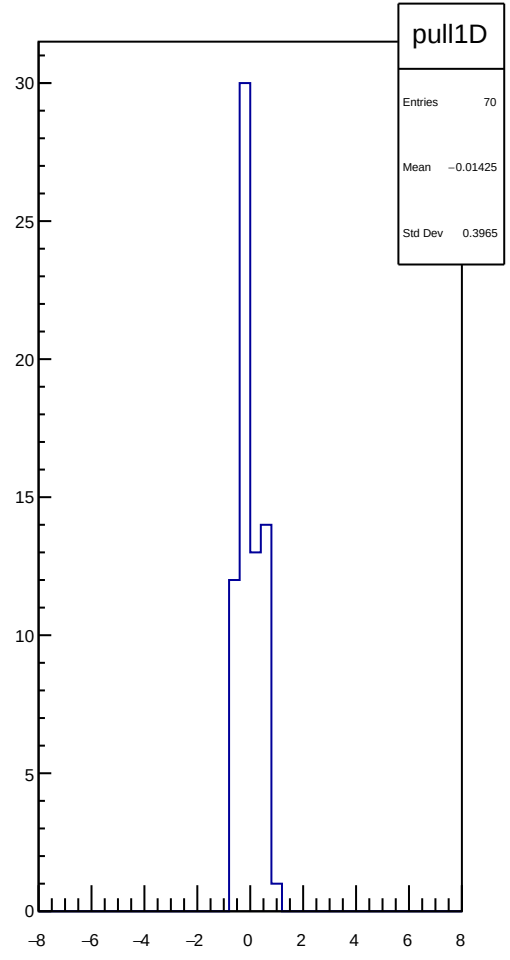

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 70.77 / 69
p0 0.4588 ± 0.01222
pull
Entries 70
Mean 86.28
Std Dev 0

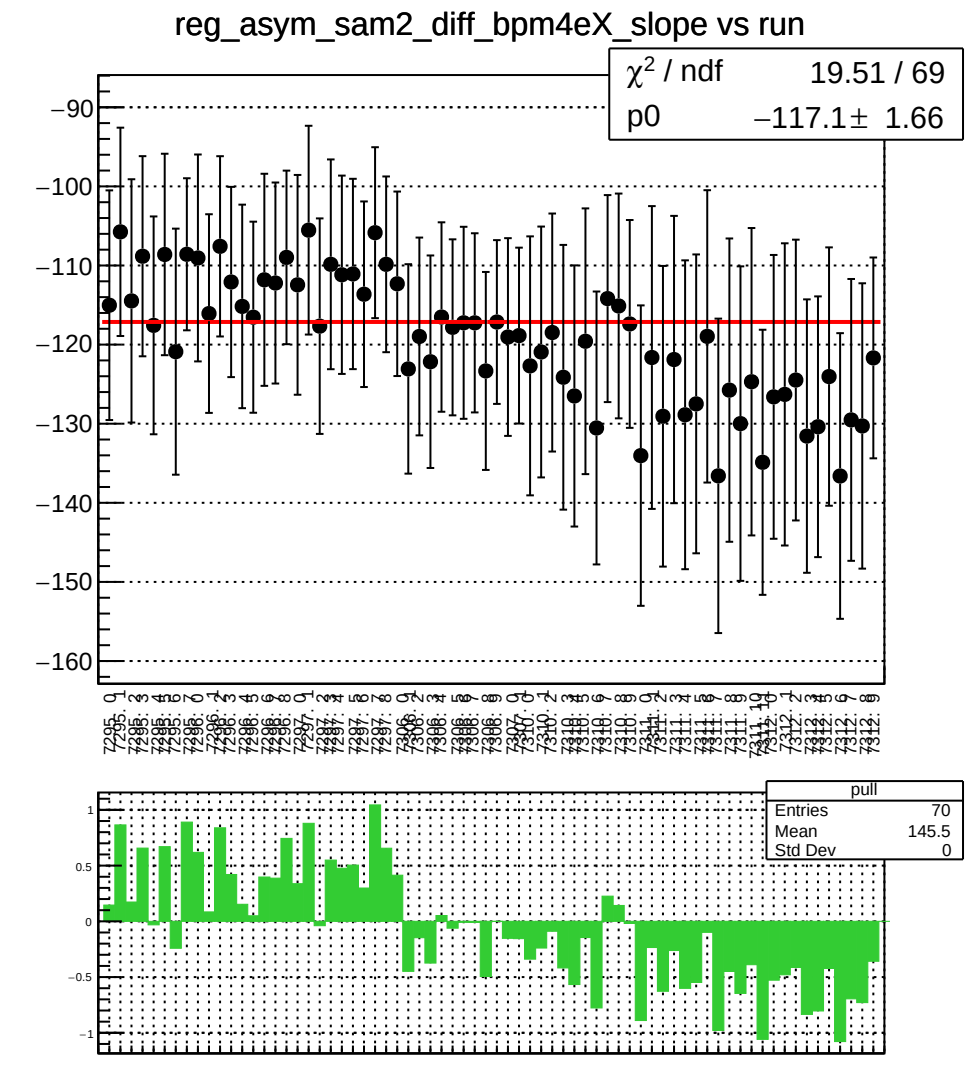

pull1D
Entries 70
Mean 0.2046
Std Dev 0.9844

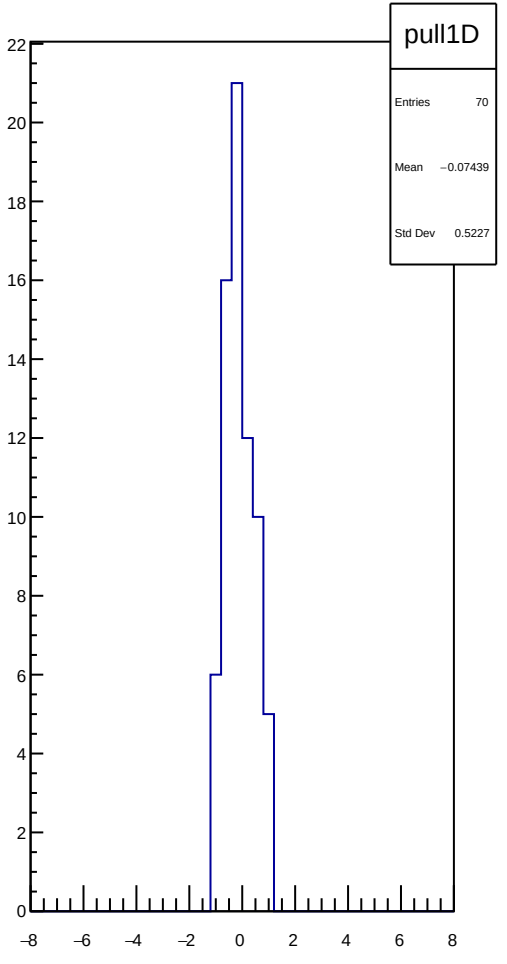

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 29.69 / 69
p0 −53.42 ± 1.68
pull
Entries 70
Mean 149.6
Std Dev 0

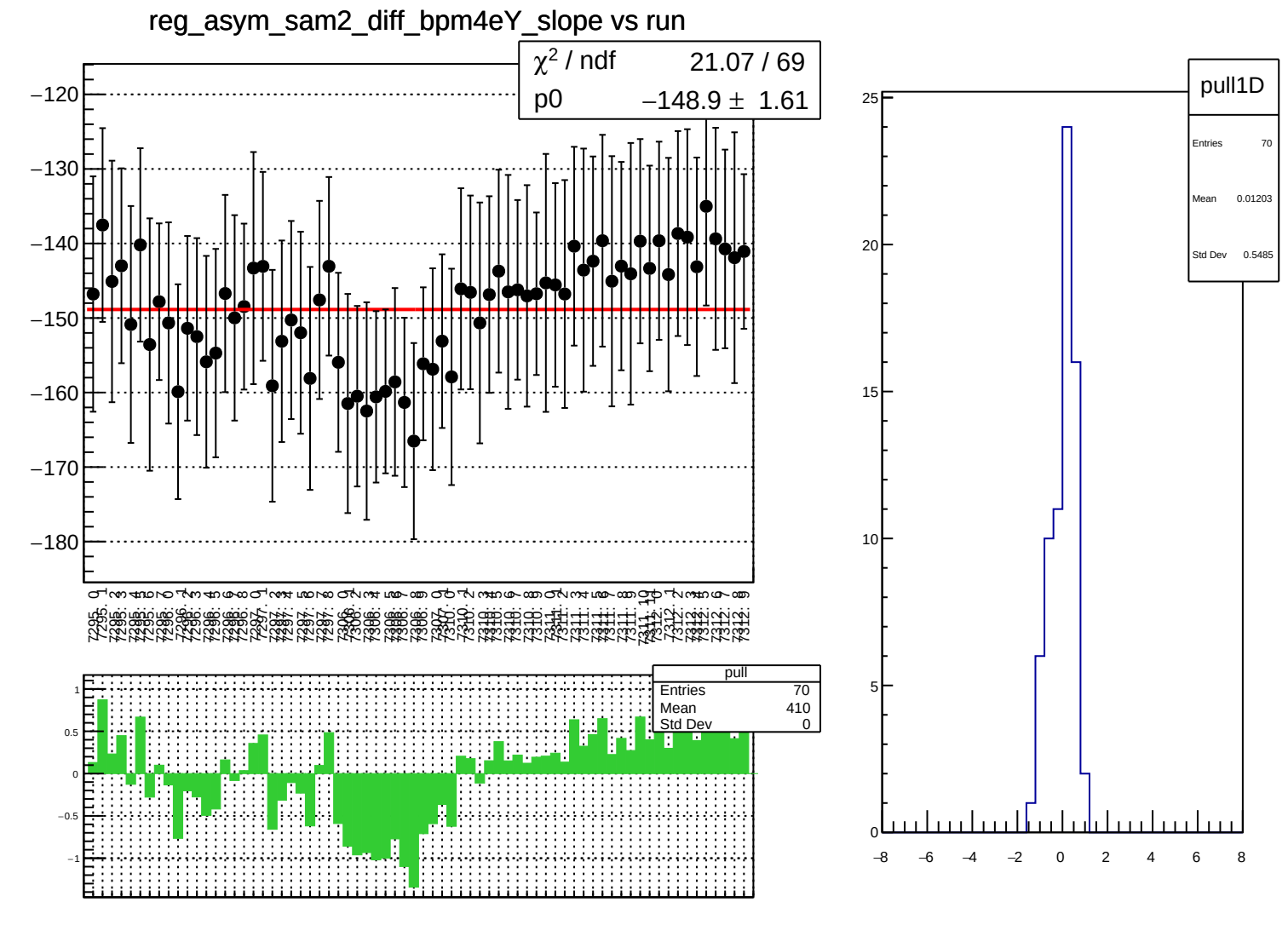

pull1D
Entries 70
Mean 0.09584
Std Dev 0.6441

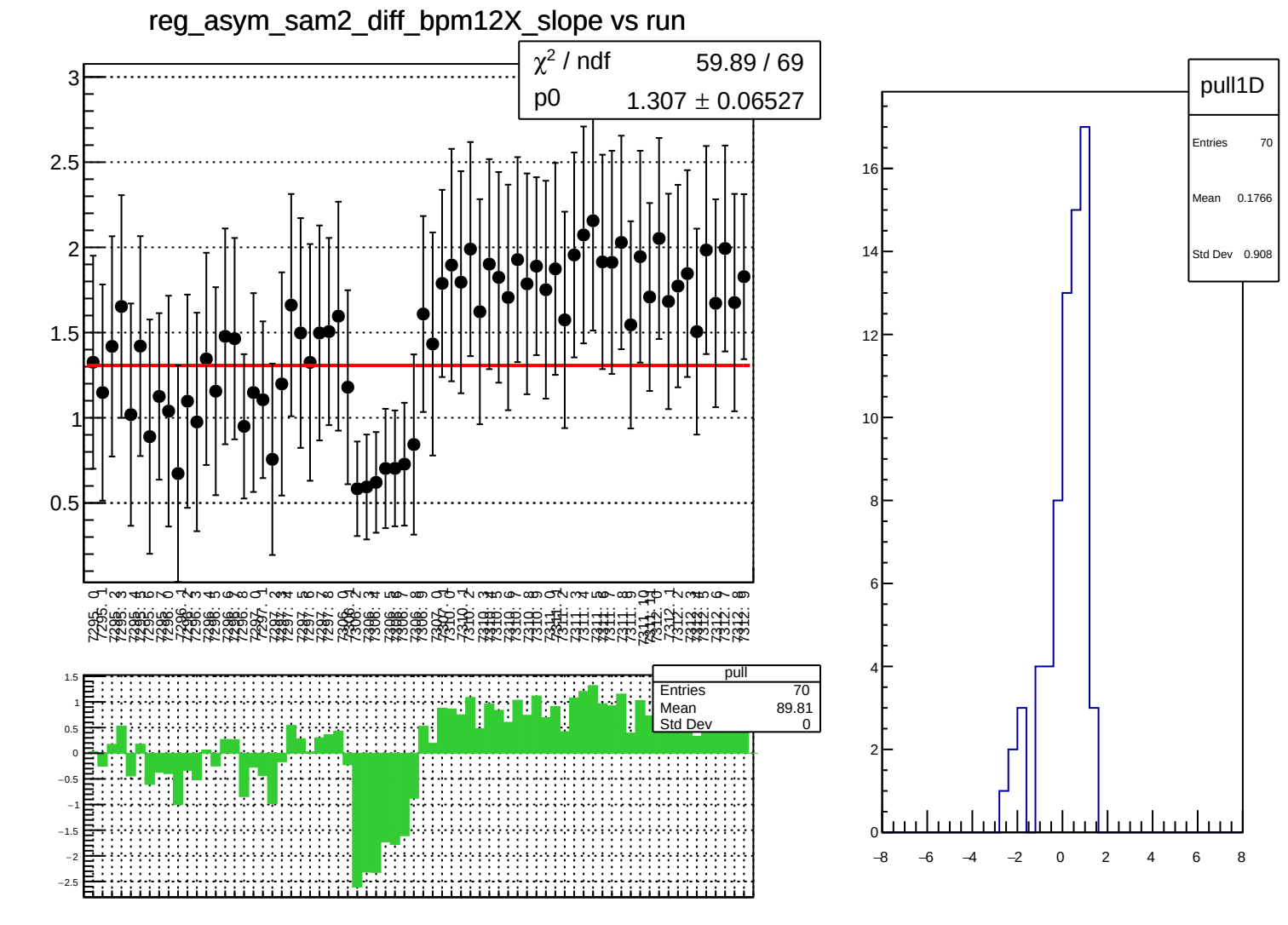

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 11.02 / 69
p0 −19.05 ± 1.5
pull
Entries 70
Mean 291.3
Std Dev 0

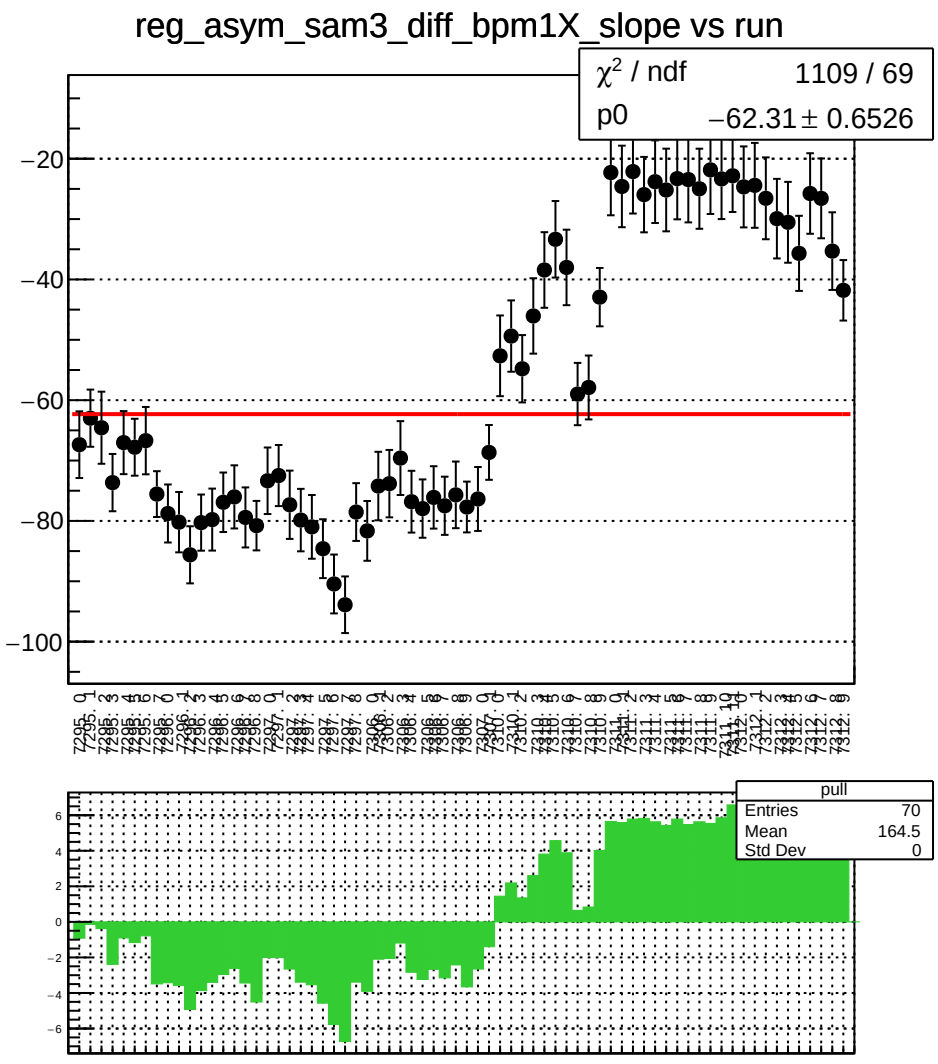

pull1D
Entries 70
Mean −0.01425
Std Dev 0.3965

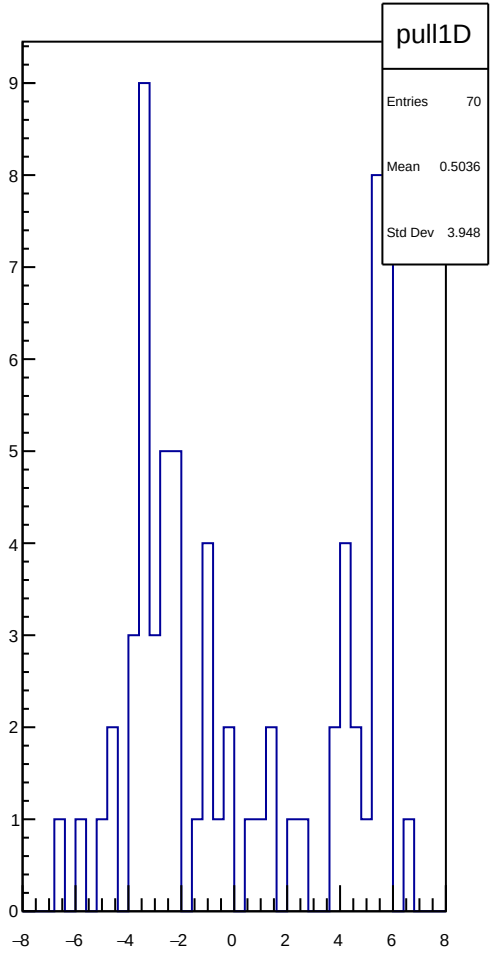

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 19.51 / 69
p0 −117.1± 1.66
pull
Entries 70
Mean 145.5
Std Dev 0

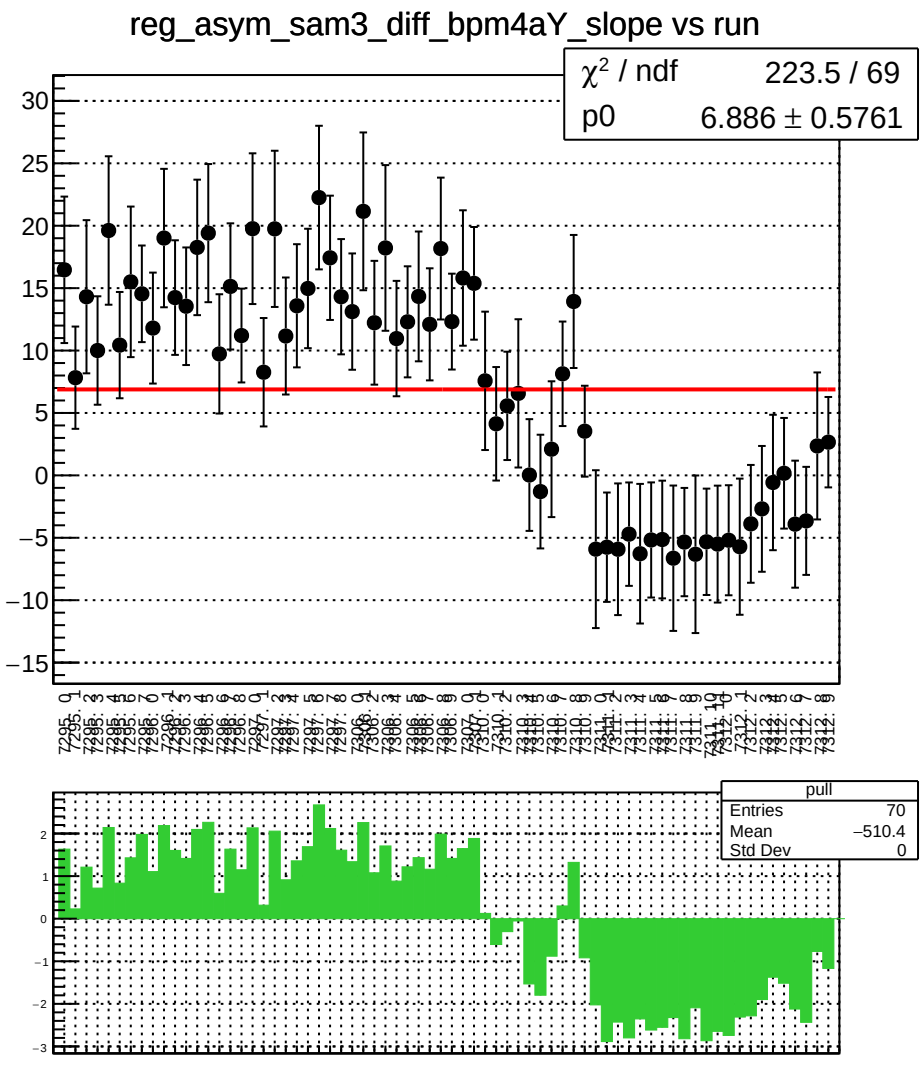

pull1D
Entries 70
Mean −0.07439
Std Dev 0.5227

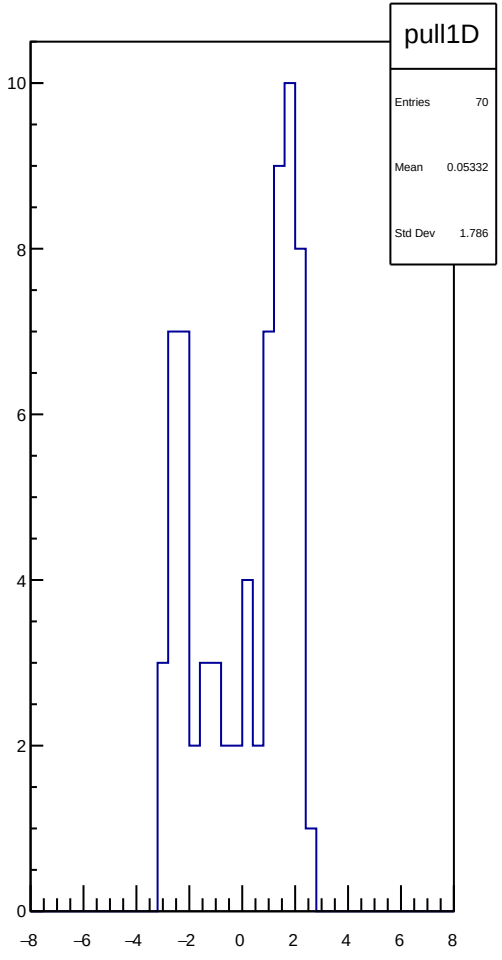

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 21.07 / 69
p0 −148.9 ± 1.61
pull
Entries 70
Mean 410
Std Dev 0
pull1D
Entries 70
Mean 0.01203
Std Dev 0.5485

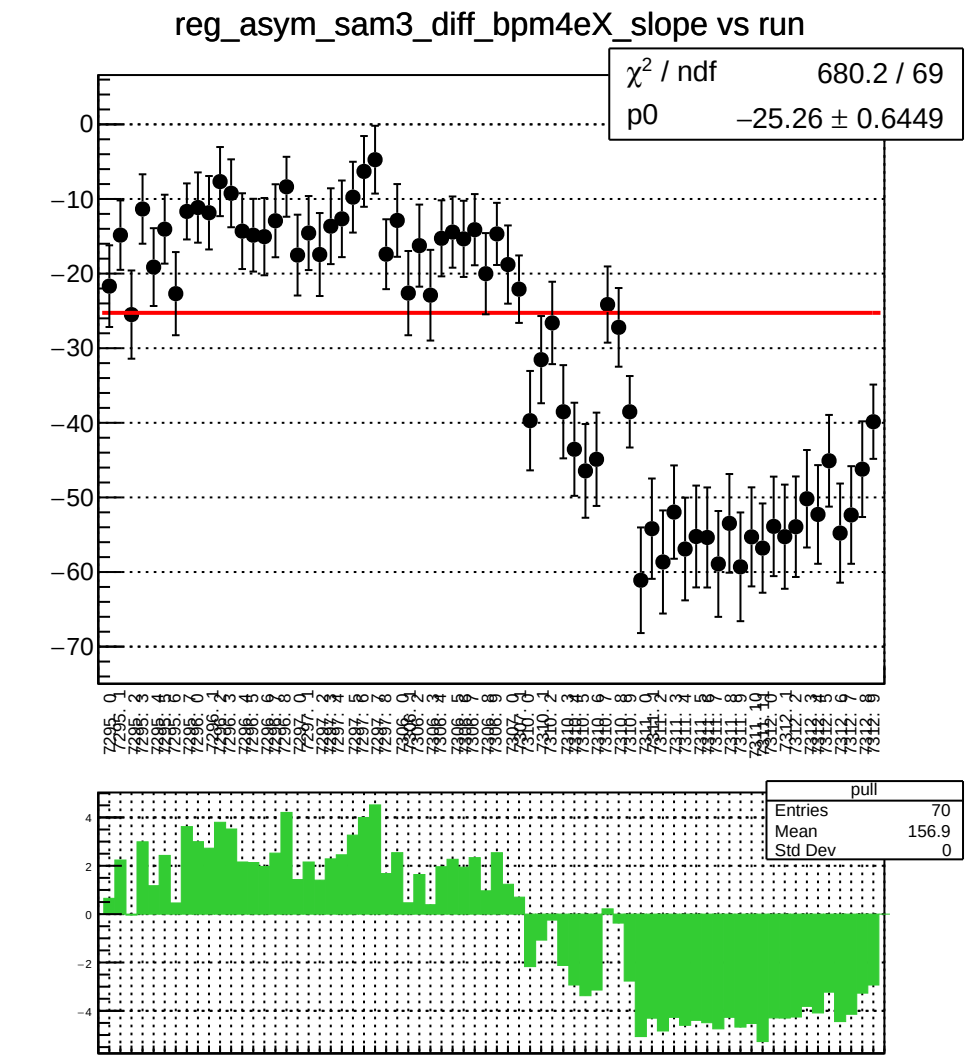

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 59.89 / 69
p0 1.307 ± 0.06527
pull
Entries 70
Mean 89.81
Std Dev 0
pull1D
Entries 70
Mean 0.1766
Std Dev 0.908

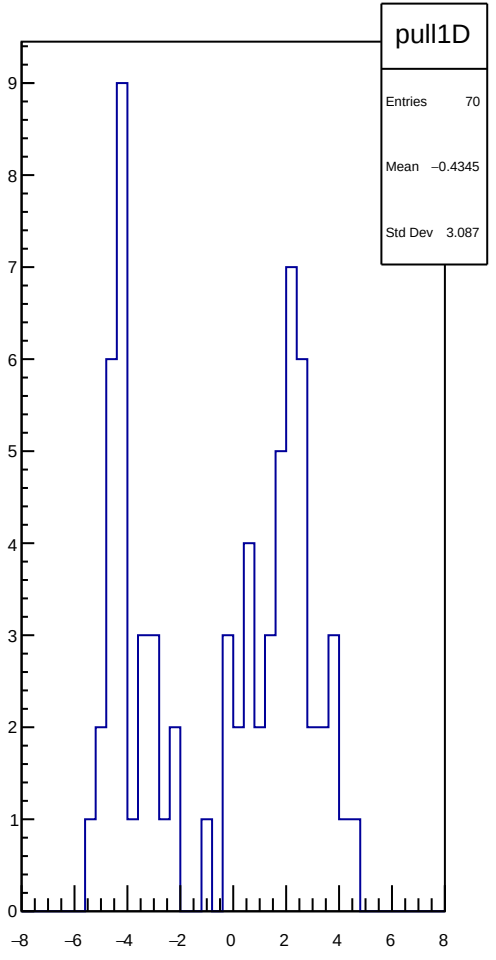

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 1109 / 69
p0 −62.31 ± 0.6526
pull
Entries 70
Mean 164.5
Std Dev 0

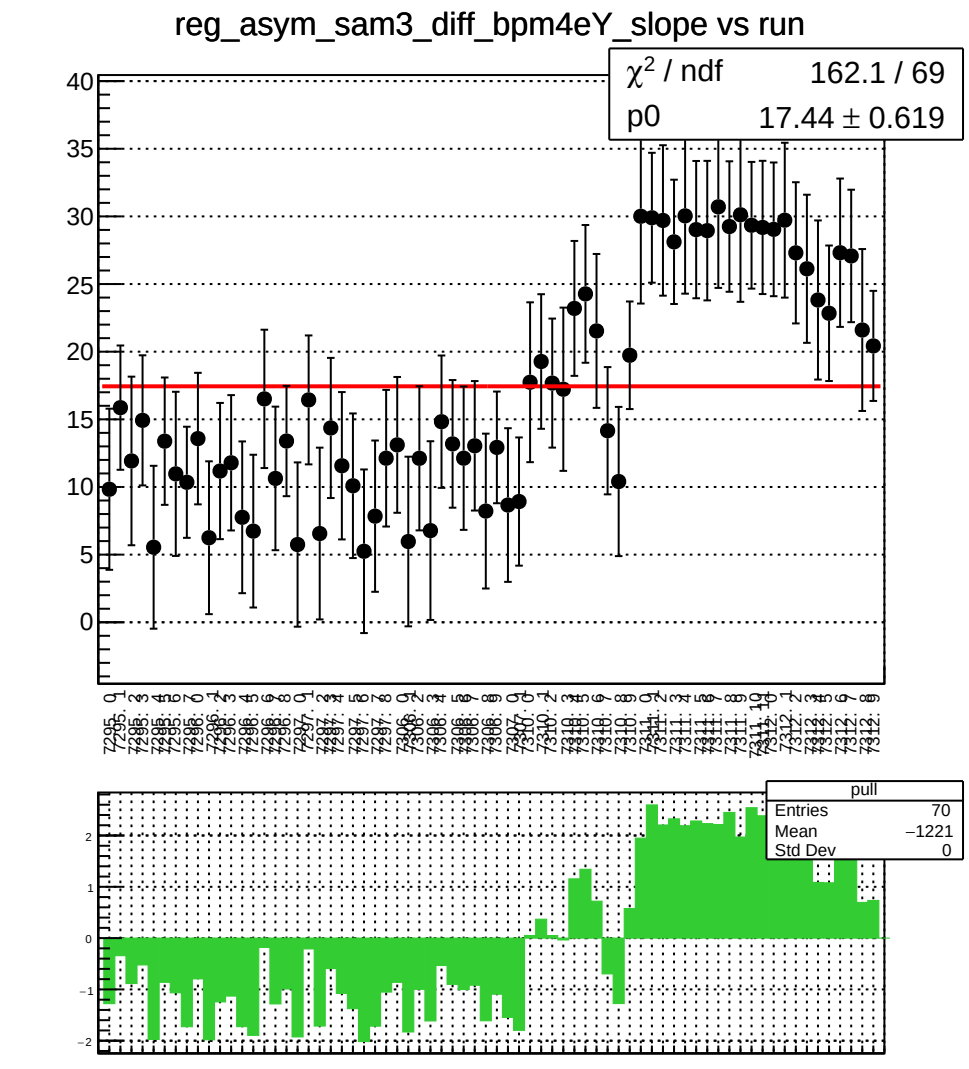

pull1D
Entries 70
Mean 0.5036
Std Dev 3.948

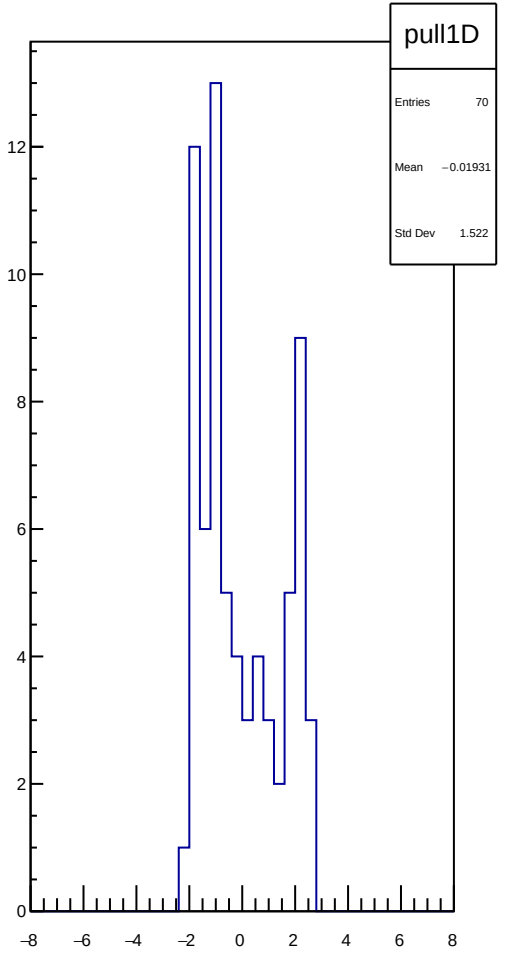

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 223.5 / 69
p0 6.886 ± 0.5761
pull
Entries 70
Mean −510.4
Std Dev 0

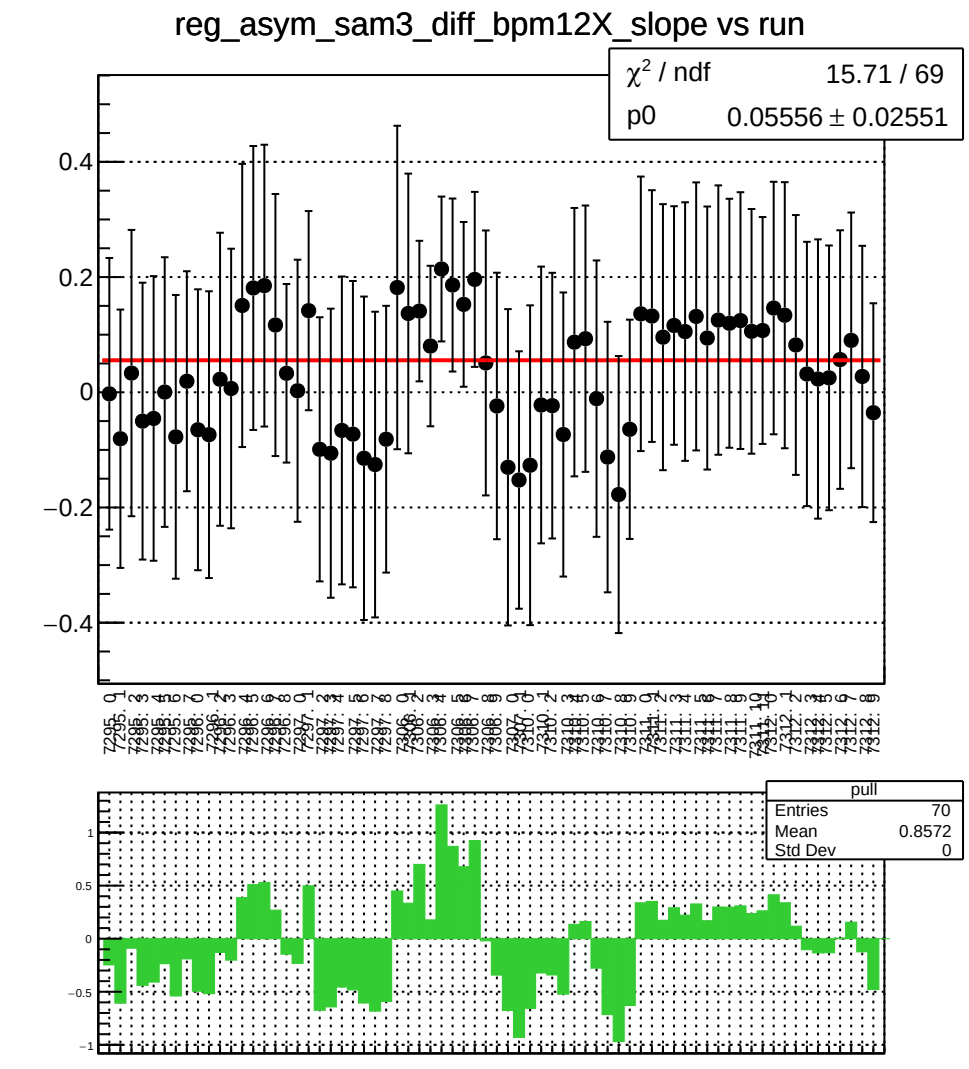

pull1D
Entries 70
Mean 0.05332
Std Dev 1.786

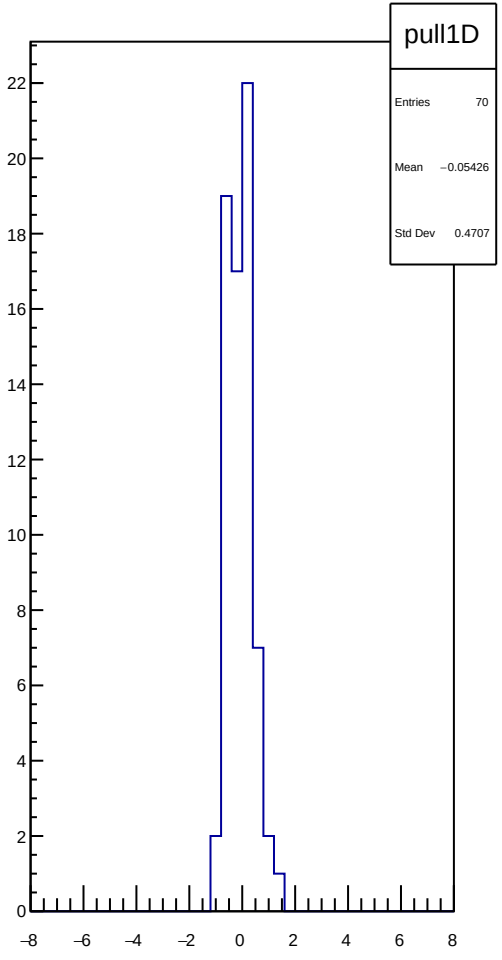

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 680.2 / 69
p0 −25.26 ± 0.6449
pull
Entries 70
Mean 156.9
Std Dev 0

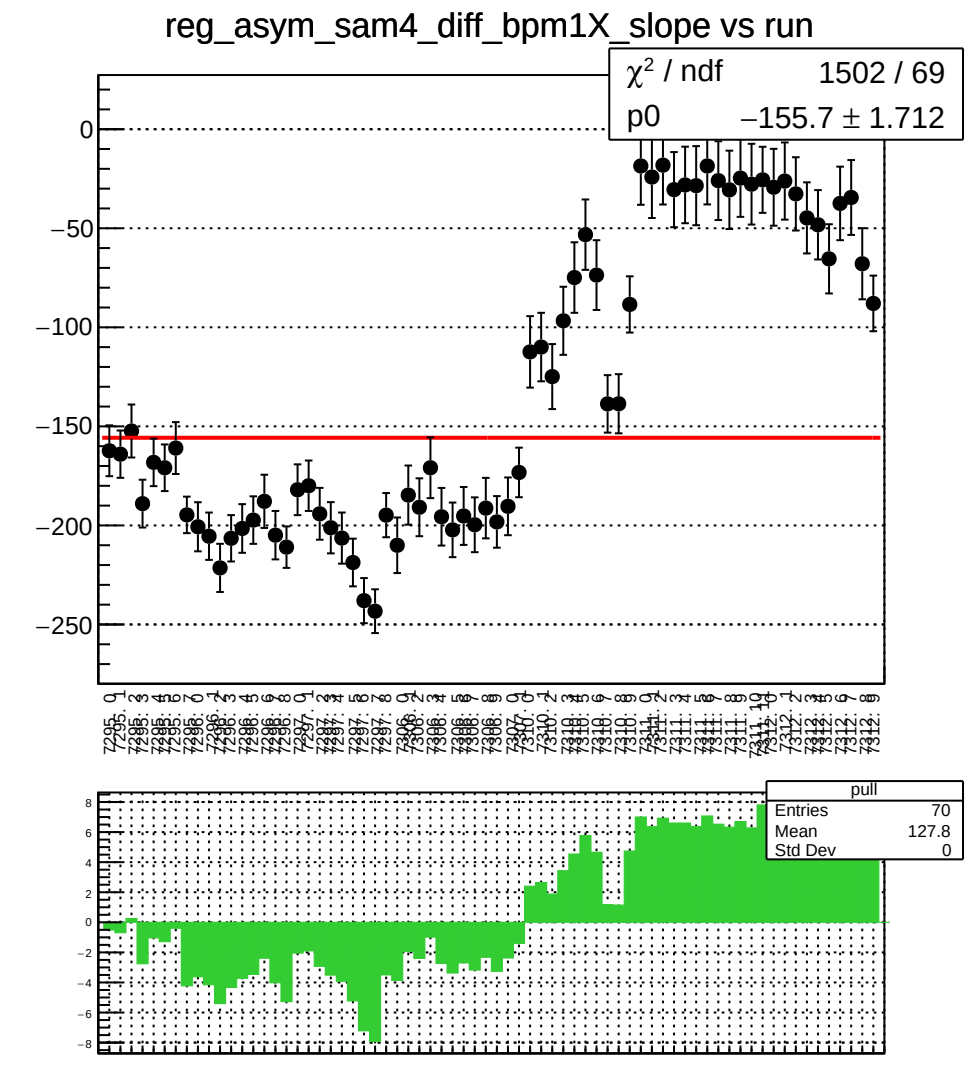

pull1D
Entries 70
Mean −0.4345
Std Dev 3.087

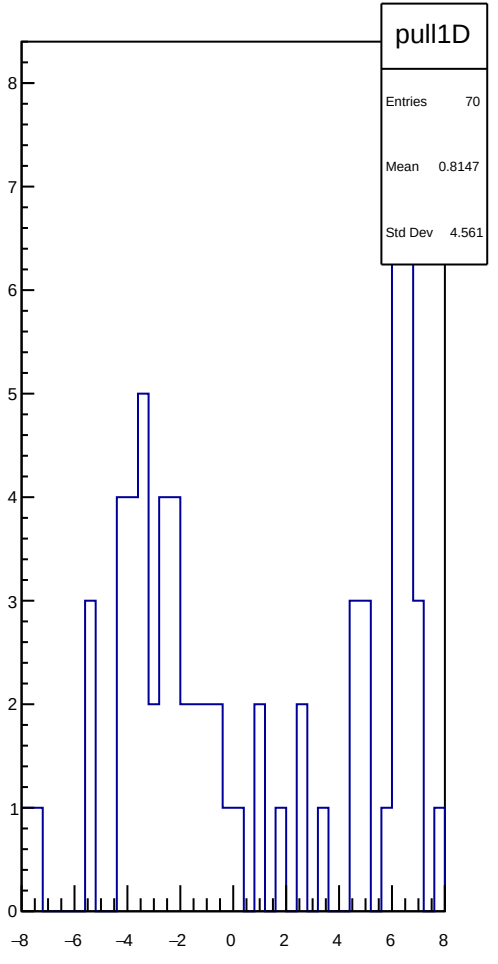

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 162.1 / 69
p0 17.44 ± 0.619
pull
Entries 70
Mean −1221
Std Dev 0

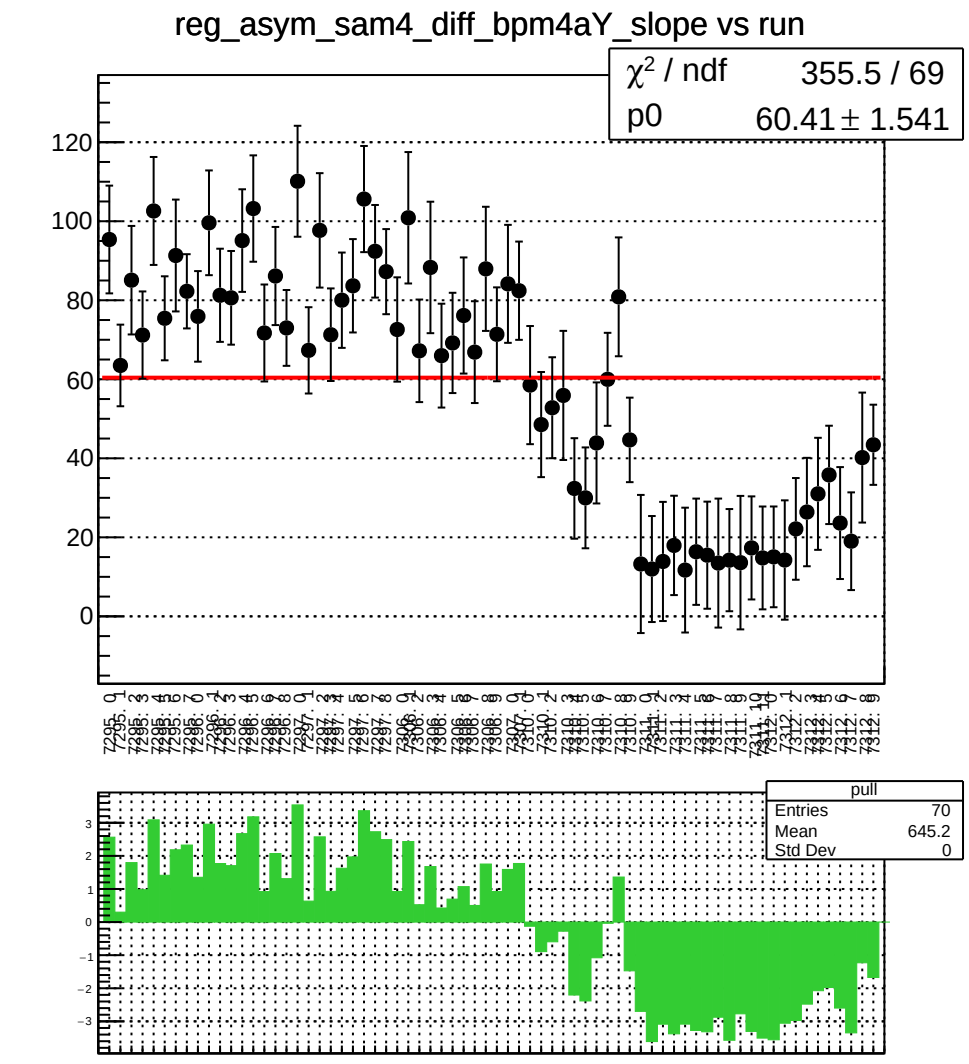

pull1D
Entries 70
Mean −0.01931
Std Dev 1.522

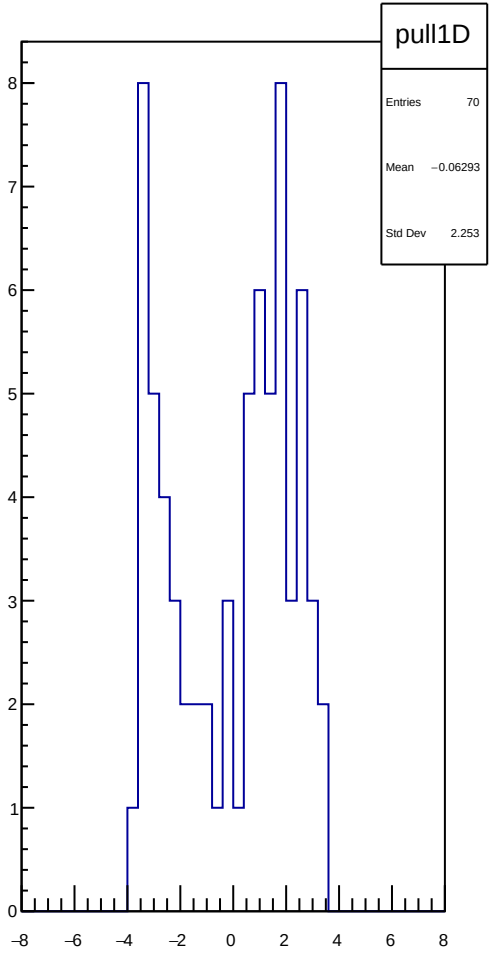

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 15.71 / 69
p0 0.05556 ± 0.02551
pull
Entries 70
Mean 0.8572
Std Dev 0

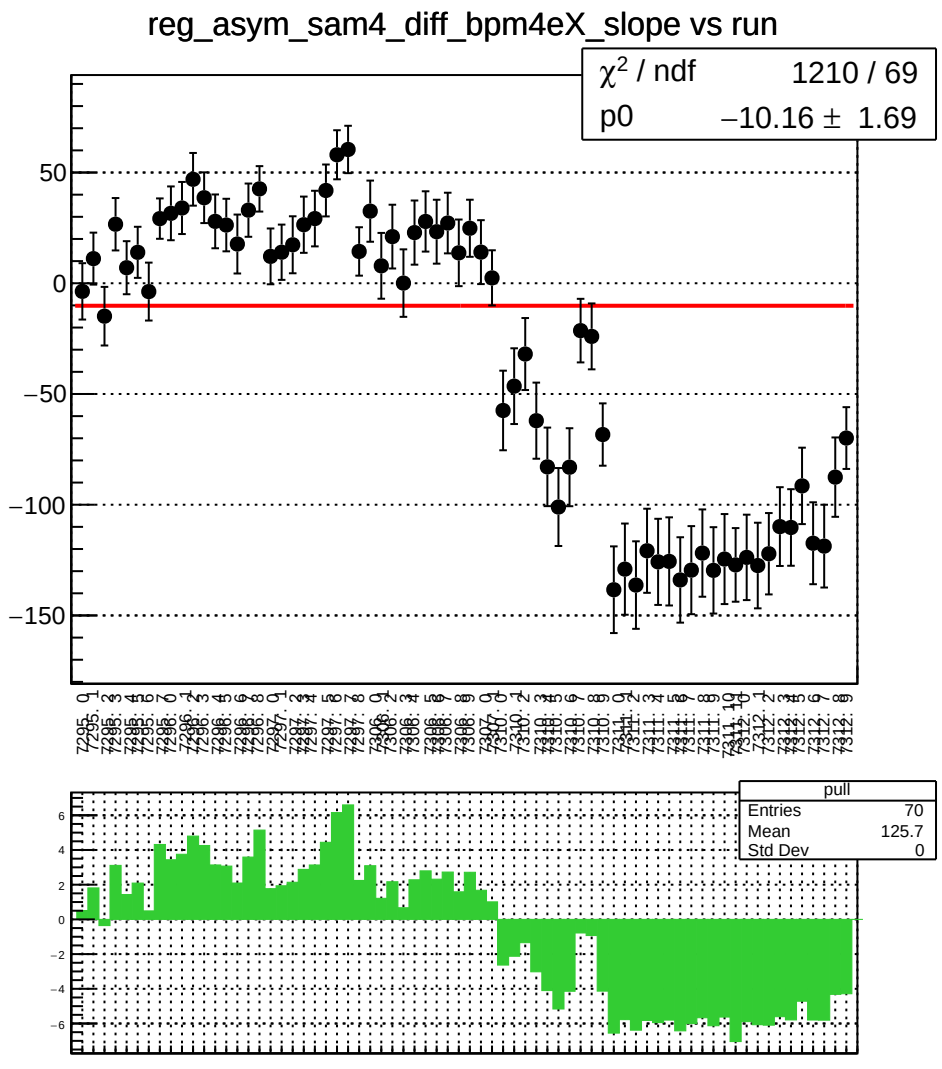

pull1D
Entries 70
Mean −0.05426
Std Dev 0.4707

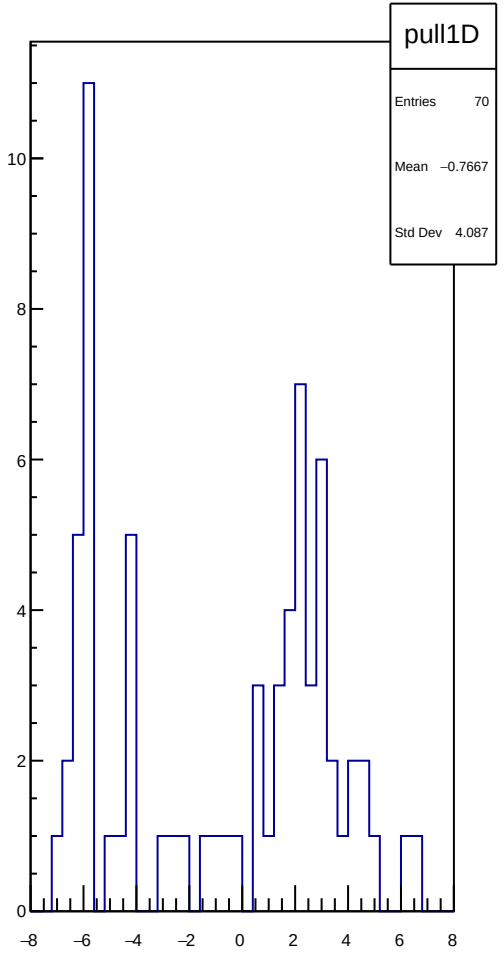

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1502 / 69
p0 −155.7 ± 1.712
pull
Entries 70
Mean 127.8
Std Dev 0

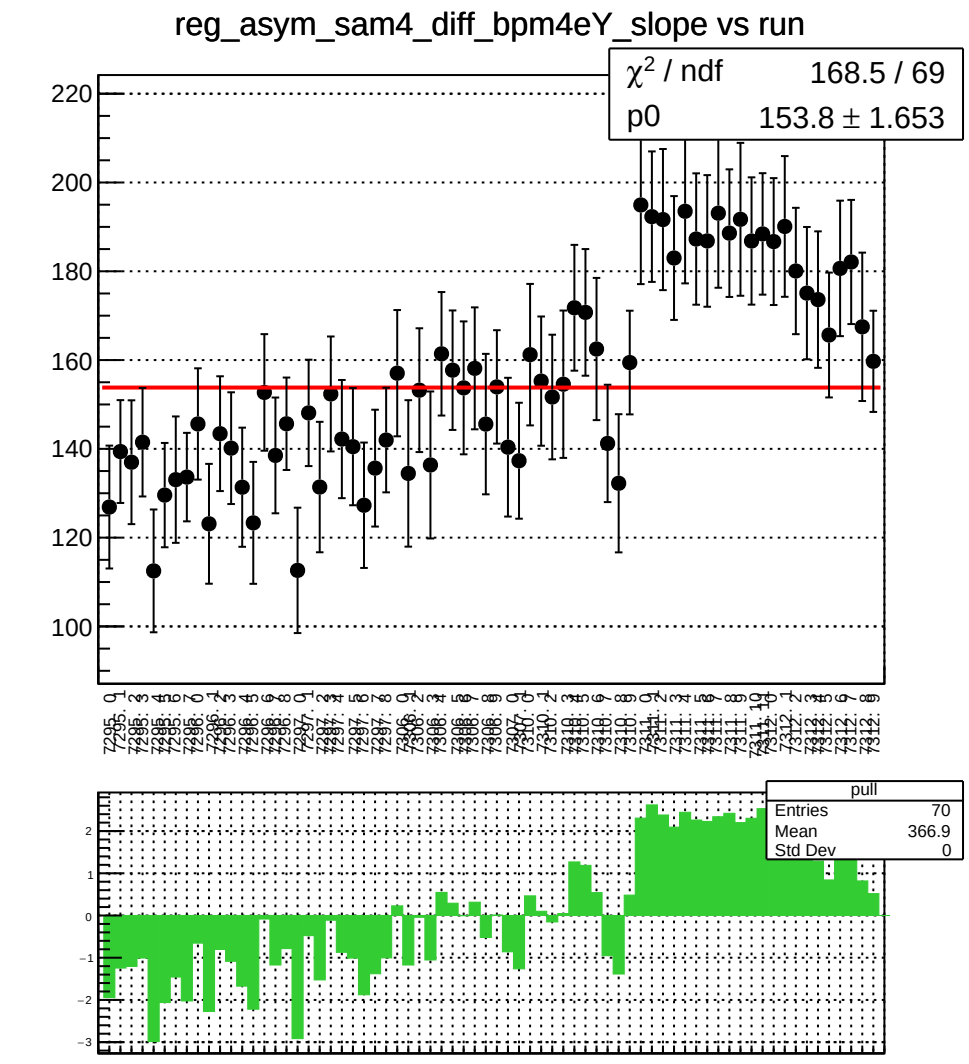

pull1D
Entries 70
Mean 0.8147
Std Dev 4.561

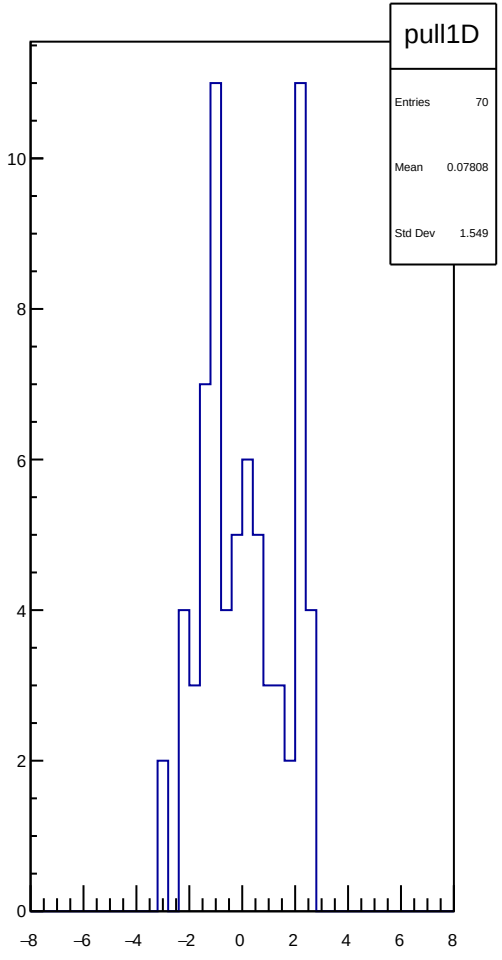

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 355.5 / 69
p0 60.41 ± 1.541
pull
Entries 70
Mean 645.2
Std Dev 0

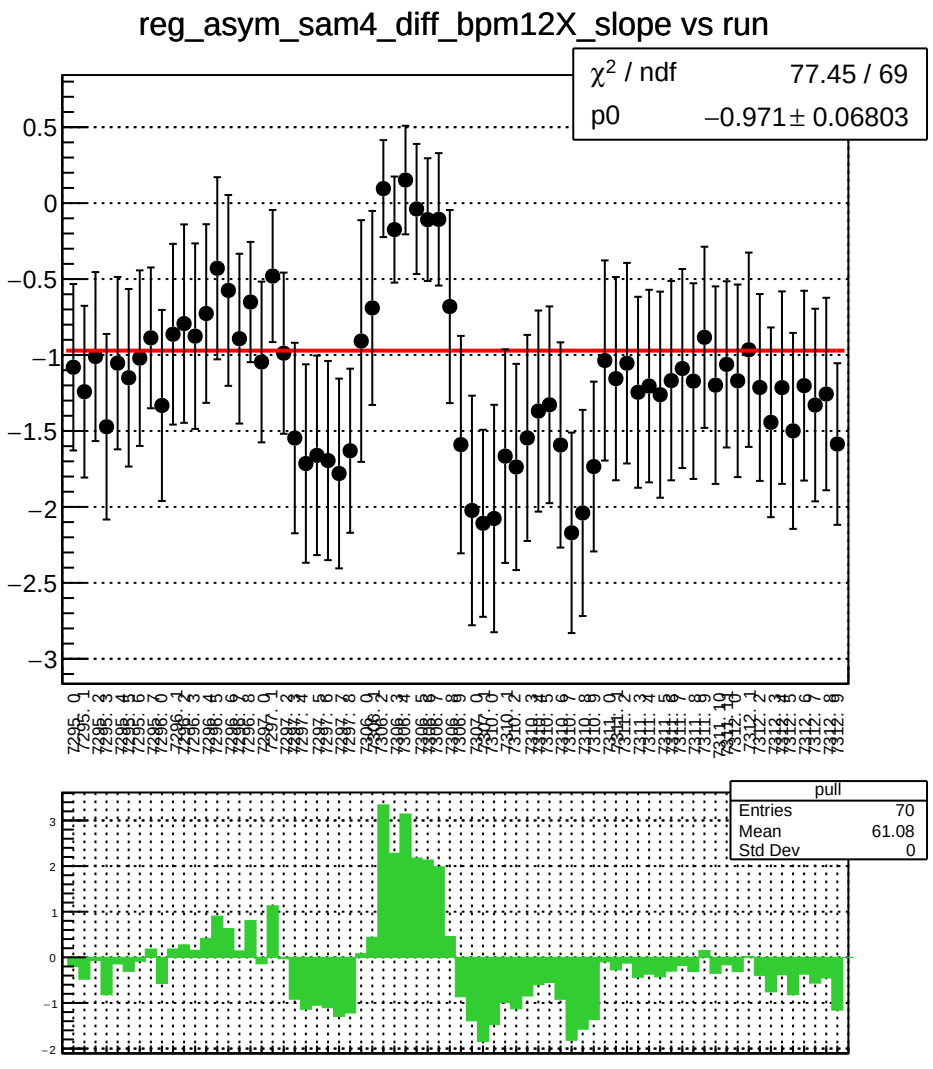

pull1D
Entries 70
Mean −0.06293
Std Dev 2.253

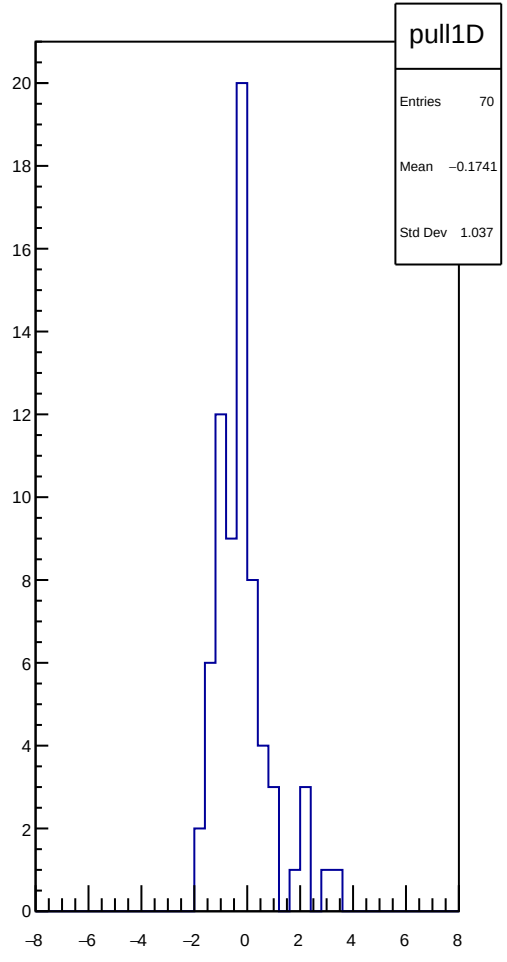

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1210 / 69
p0 −10.16 ± 1.69
50
0
−50
−100
−150
pull
Entries 70
Mean 125.7
Std Dev 0
6
4
2
0
−2
−4
−6

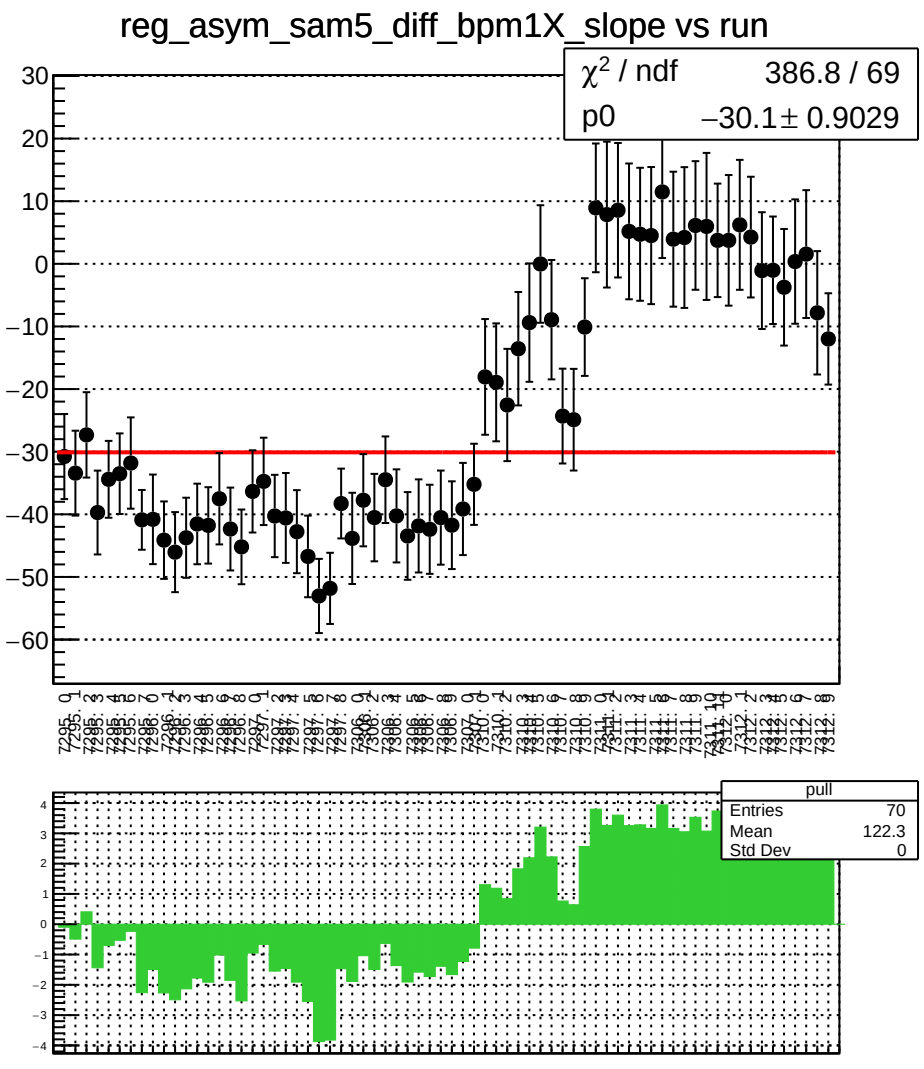

pull1D
Entries 70
Mean −0.7667
Std Dev 4.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

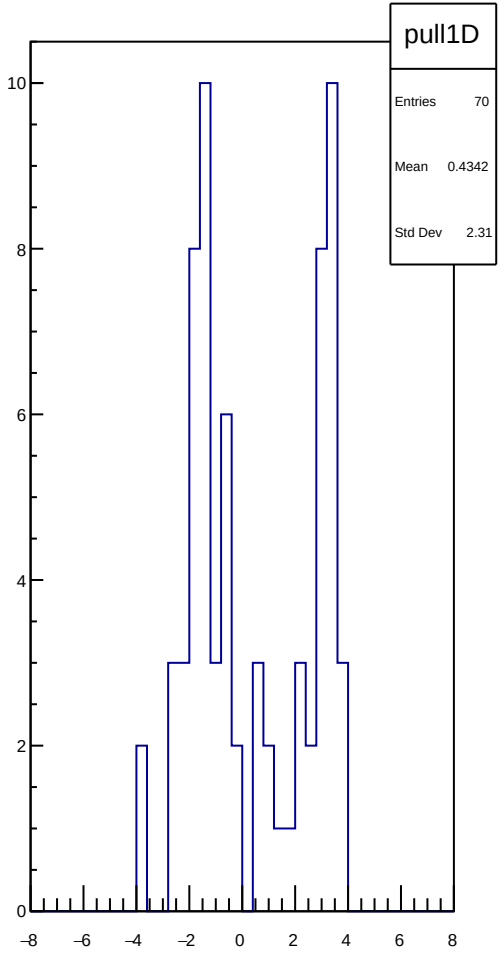

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 168.5 / 69
p0 153.8 ± 1.653
pull
Entries 70
Mean 366.9
Std Dev 0

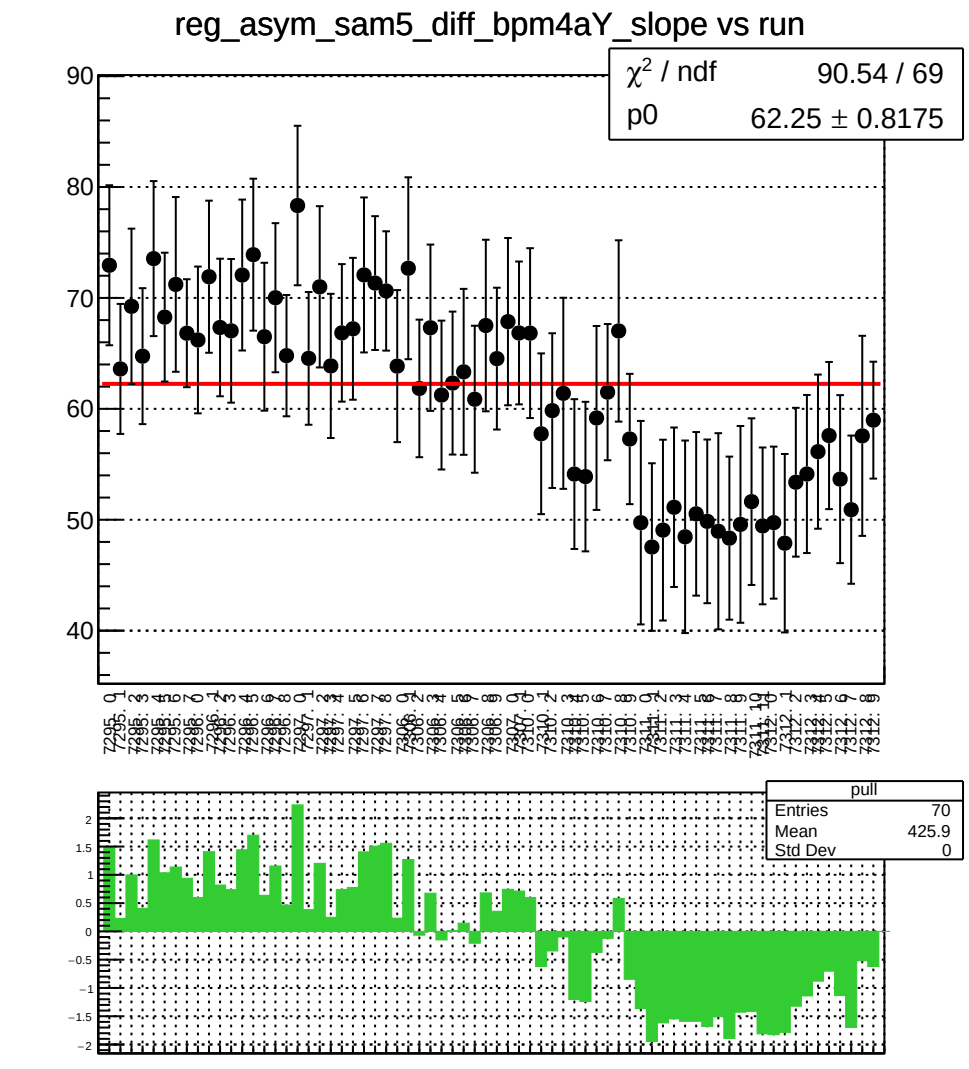

pull1D
Entries 70
Mean 0.07808
Std Dev 1.549

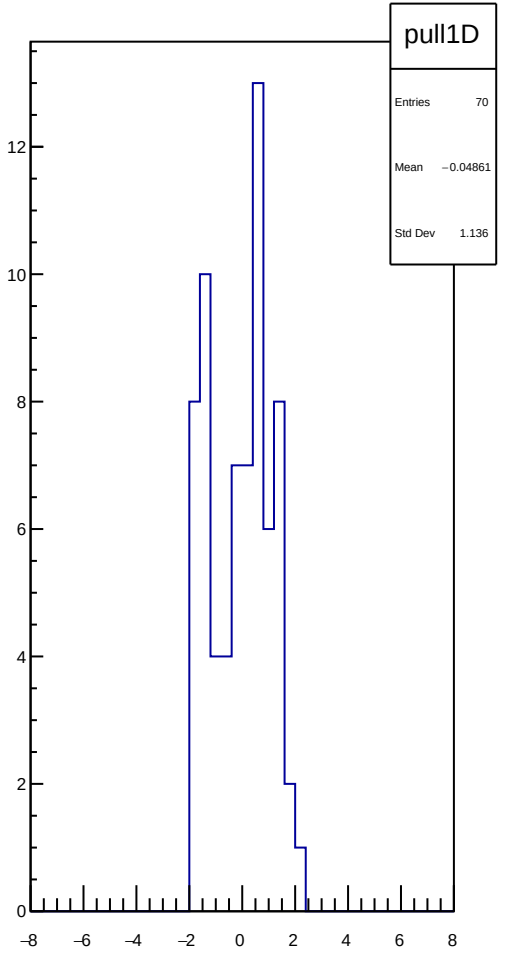

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 77.45 / 69
p0 −0.971 ± 0.06803
pull
Entries 70
Mean 61.08
Std Dev 0

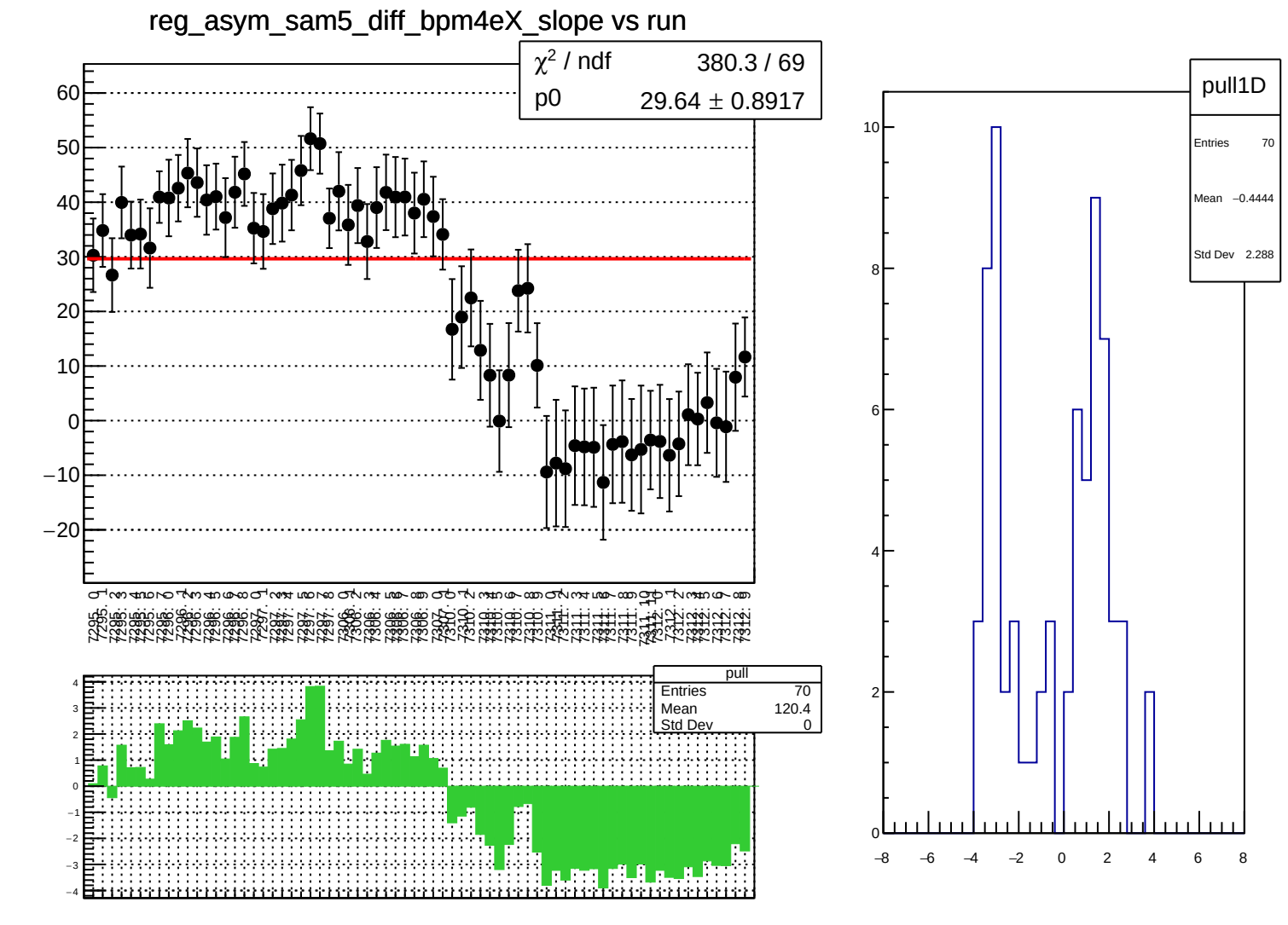

pull1D
Entries 70
Mean −0.1741
Std Dev 1.037

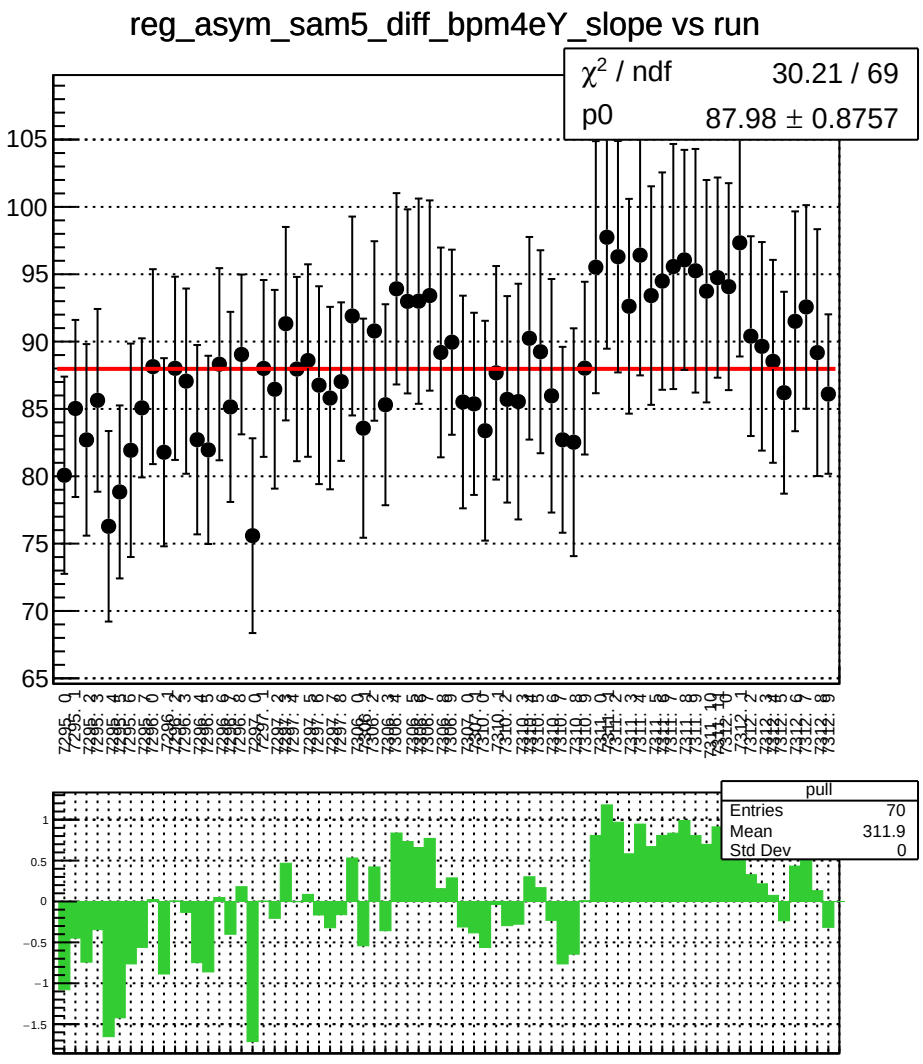

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 386.8 / 69
p0 −30.1 ± 0.9029
pull
Entries 70
Mean 122.3
Std Dev 0

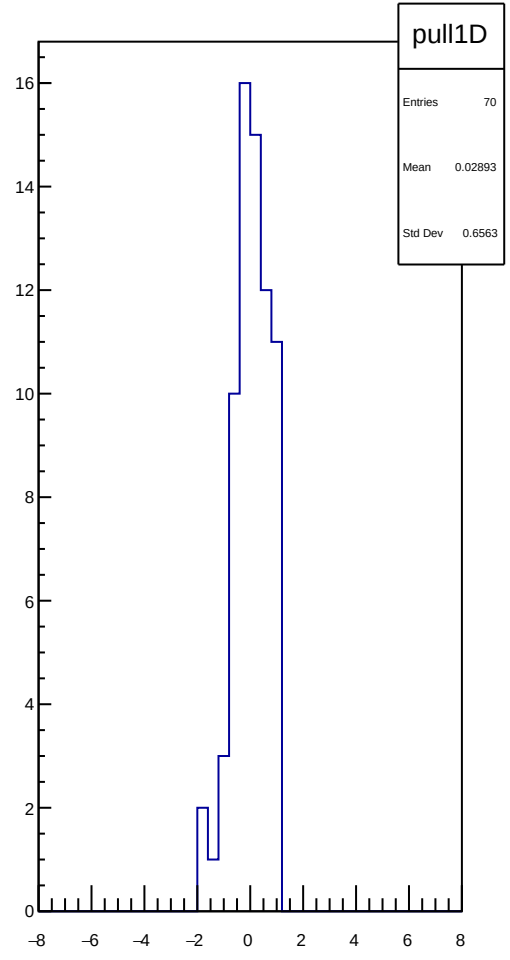

pull1D
Entries 70
Mean 0.4342
Std Dev 2.31

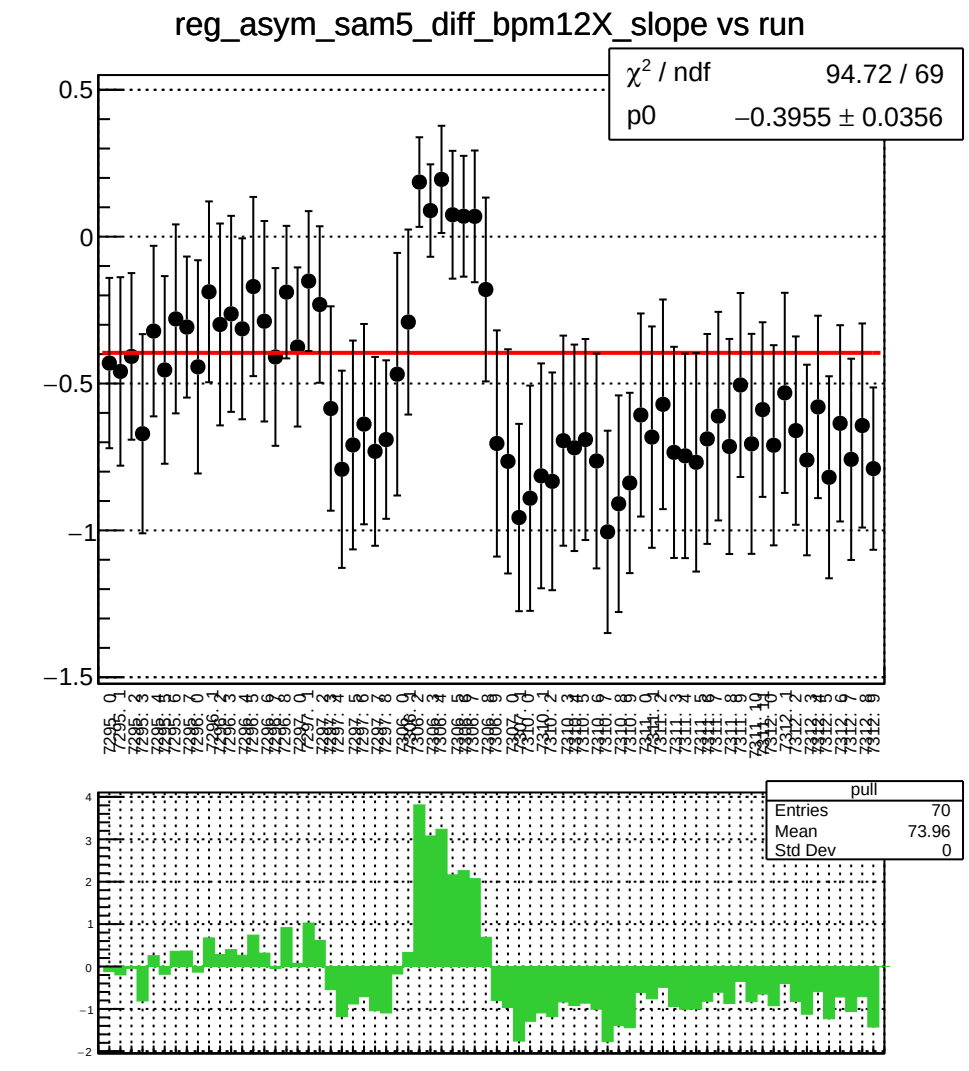

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 90.54 / 69
p0 62.25 ± 0.8175
pull
Entries 70
Mean 425.9
Std Dev 0

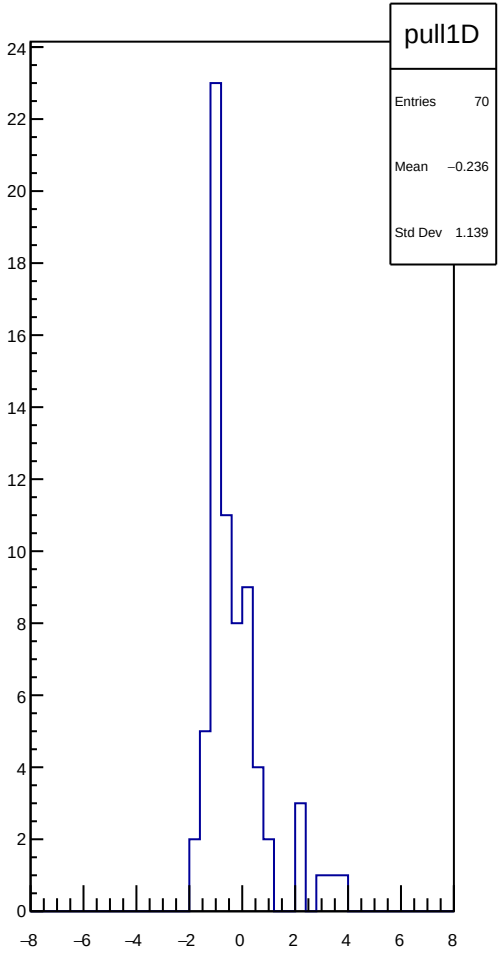

pull1D
Entries 70
Mean −0.04861
Std Dev 1.136

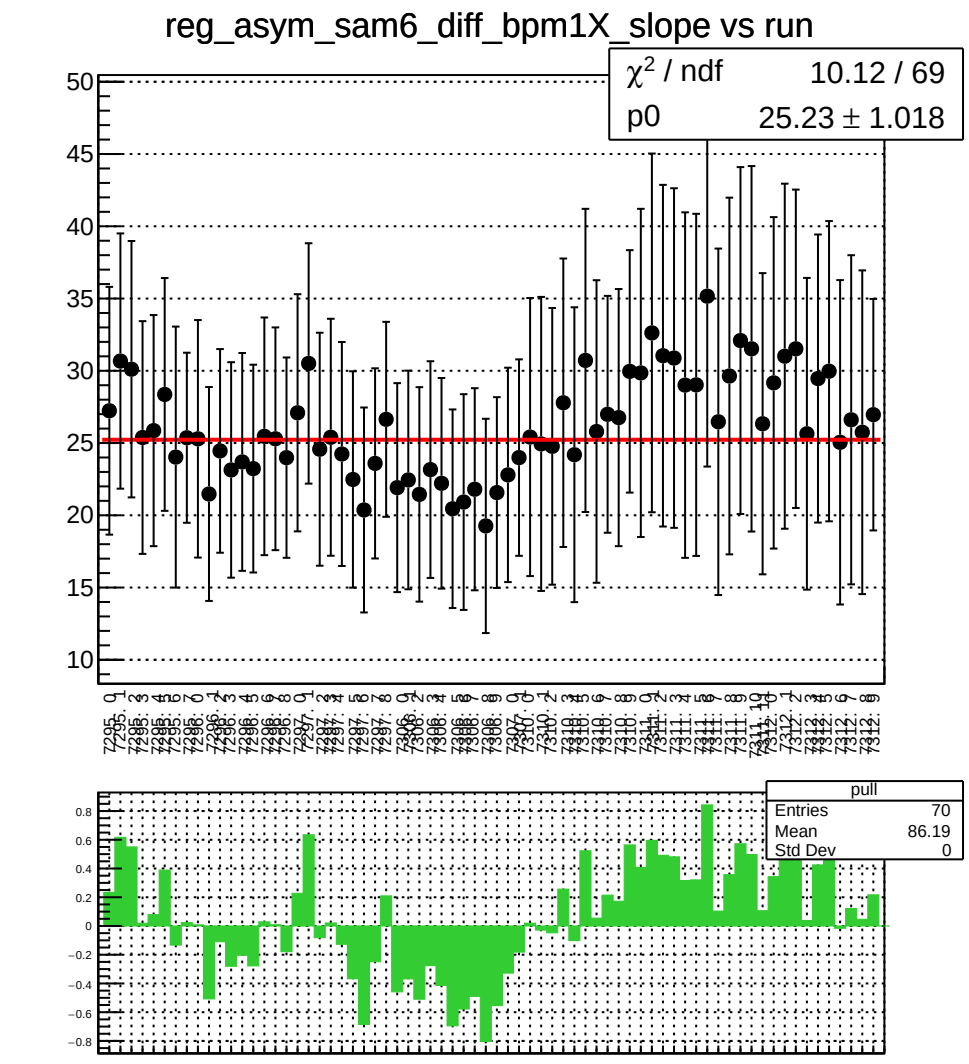

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 380.3 / 69
p0 29.64 ± 0.8917
pull
Entries 70
Mean 120.4
Std Dev 0
pull1D
Entries 70
Mean −0.4444
Std Dev 2.288

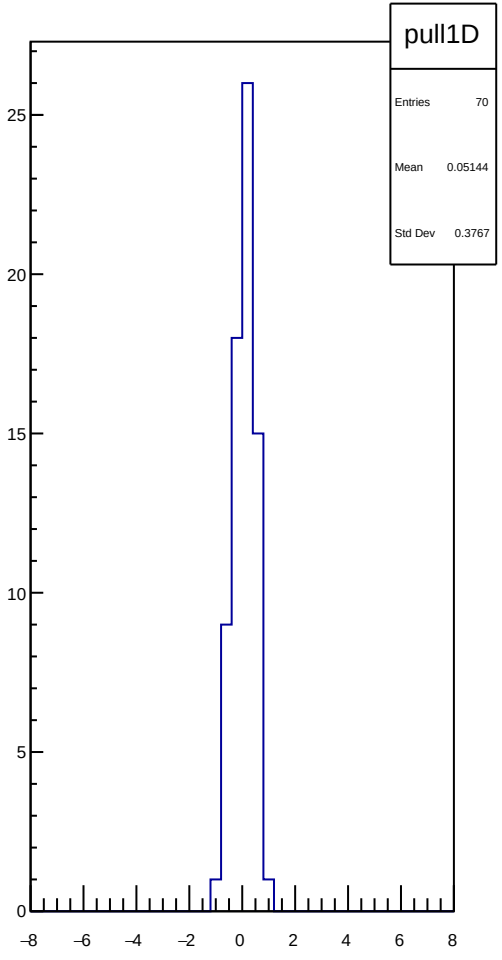

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 30.21 / 69
p0 87.98 ± 0.8757
pull
Entries 70
Mean 311.9
Std Dev 0

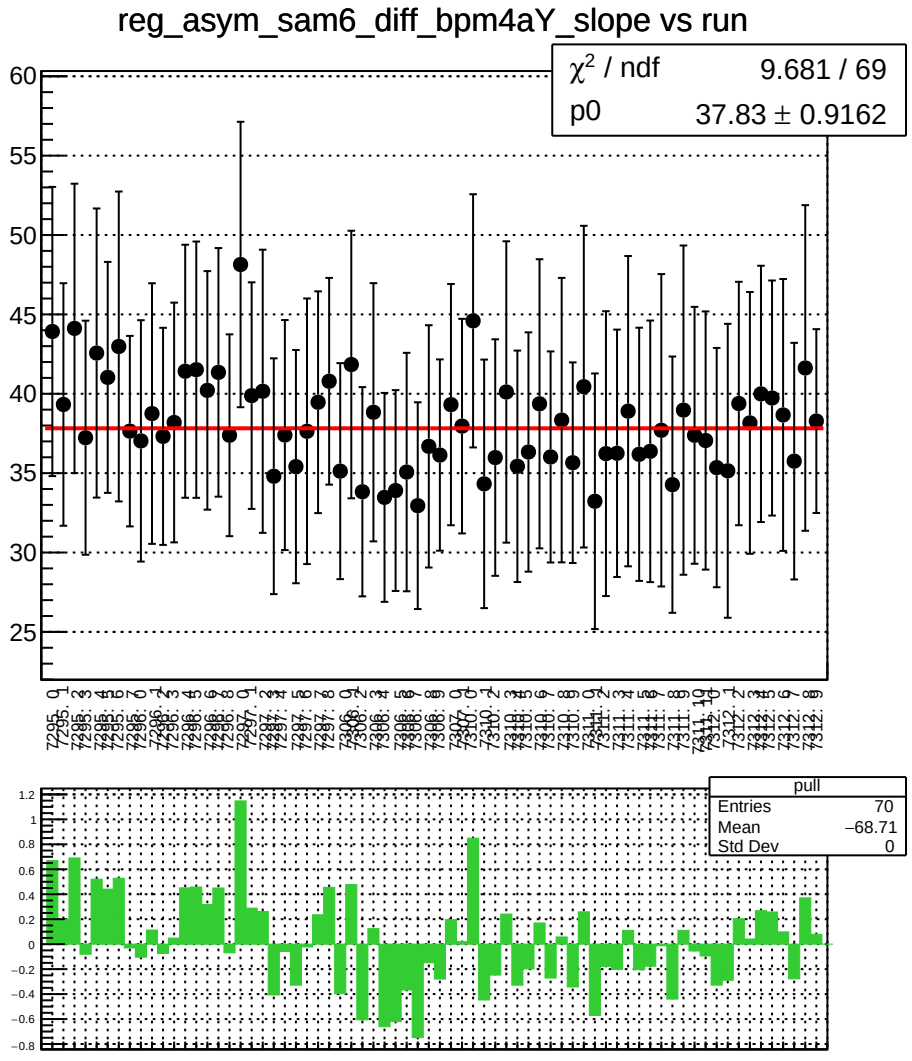

pull1D
Entries 70
Mean 0.02893
Std Dev 0.6563

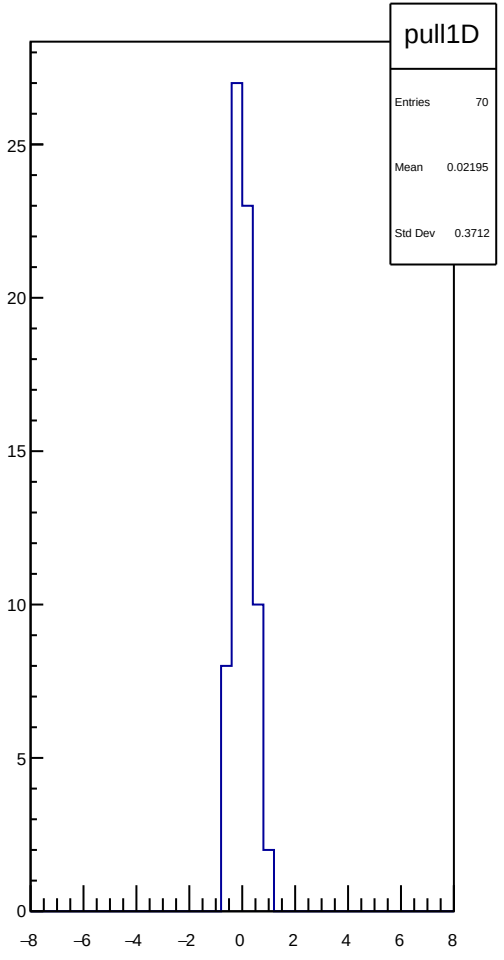

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 94.72 / 69
p0 −0.3955 ± 0.0356
pull
Entries 70
Mean 73.96
Std Dev 0

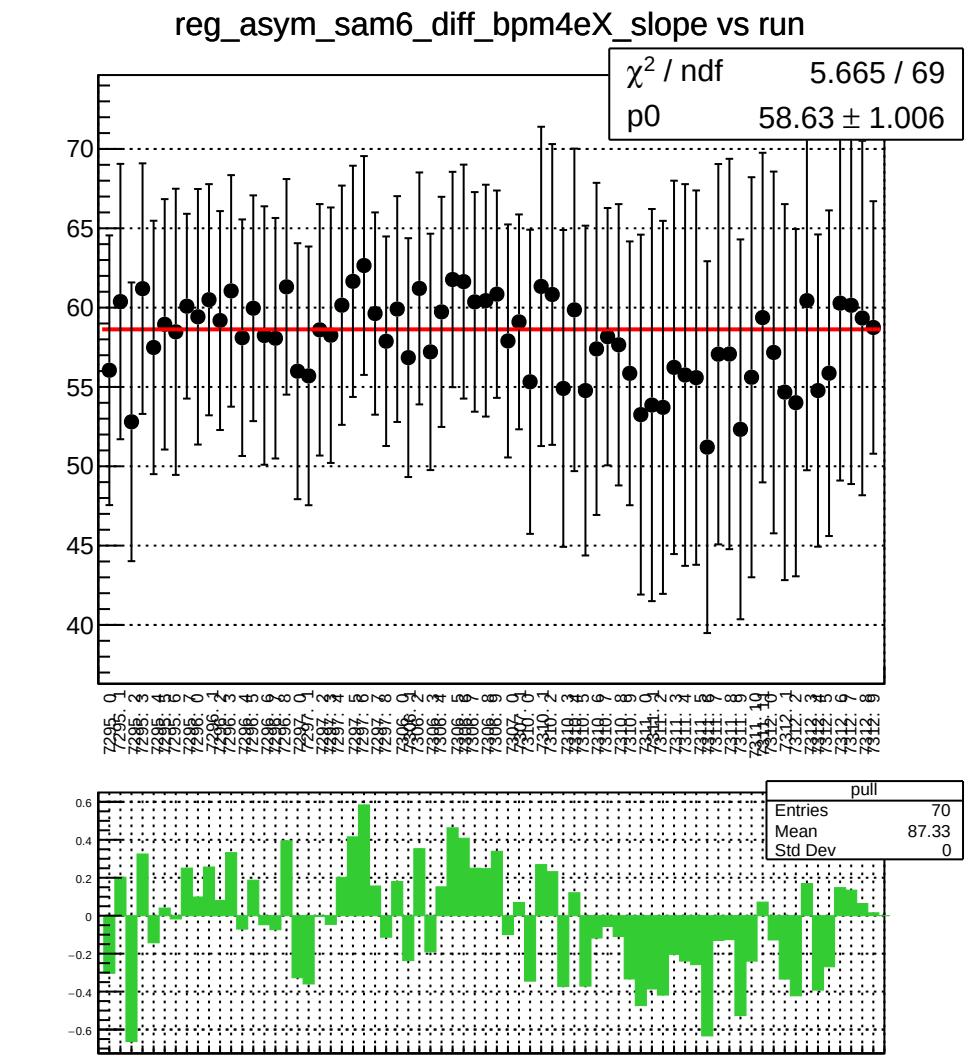

pull1D
Entries 70
Mean −0.236
Std Dev 1.139

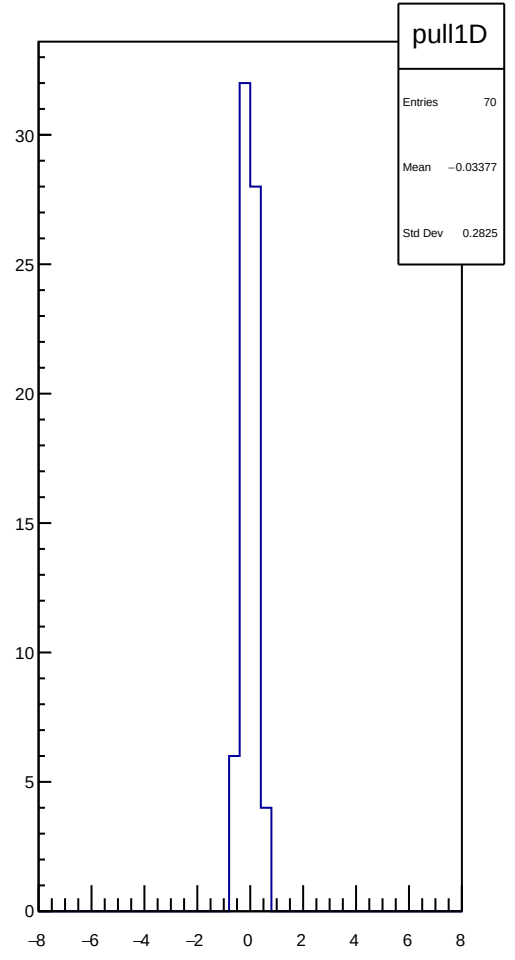

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 10.12 / 69
p0 25.23 ± 1.018
pull
Entries 70
Mean 86.19
Std Dev 0

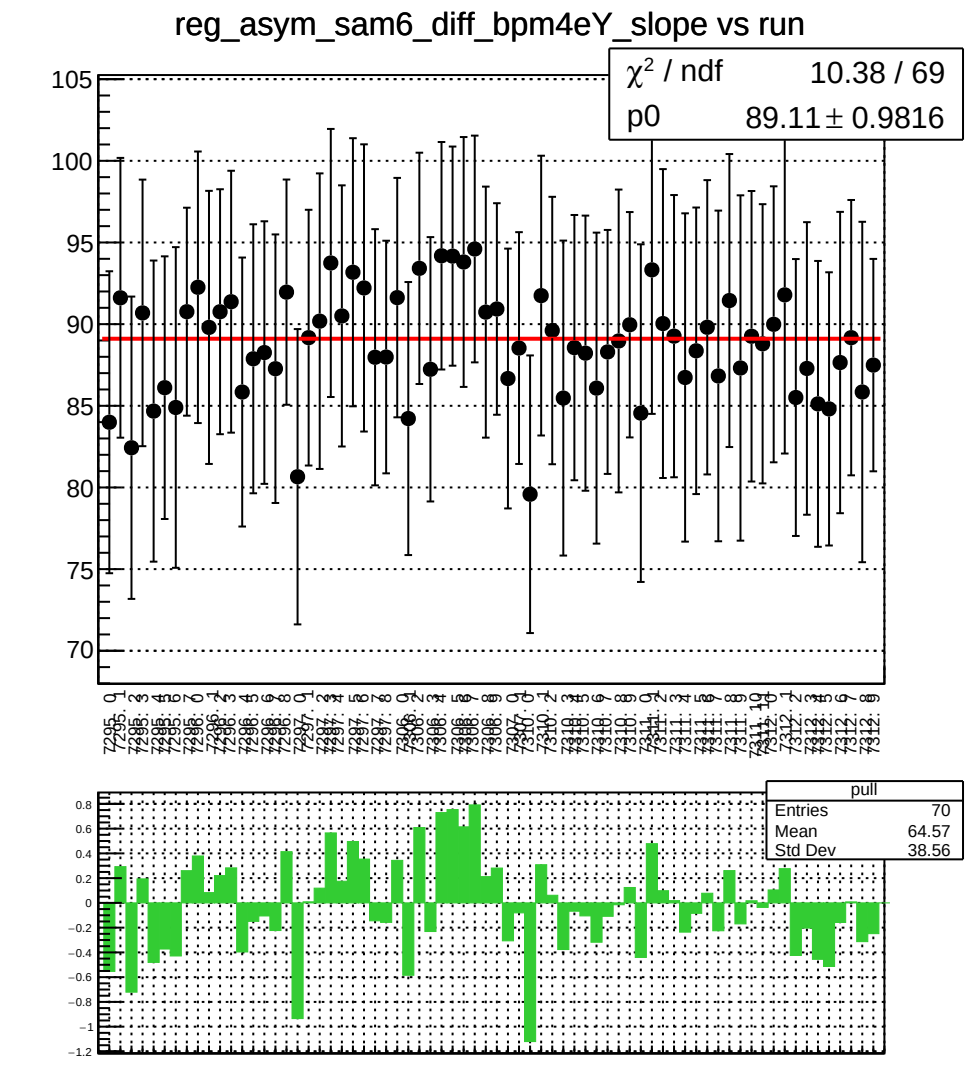

pull1D
Entries 70
Mean 0.05144
Std Dev 0.3767

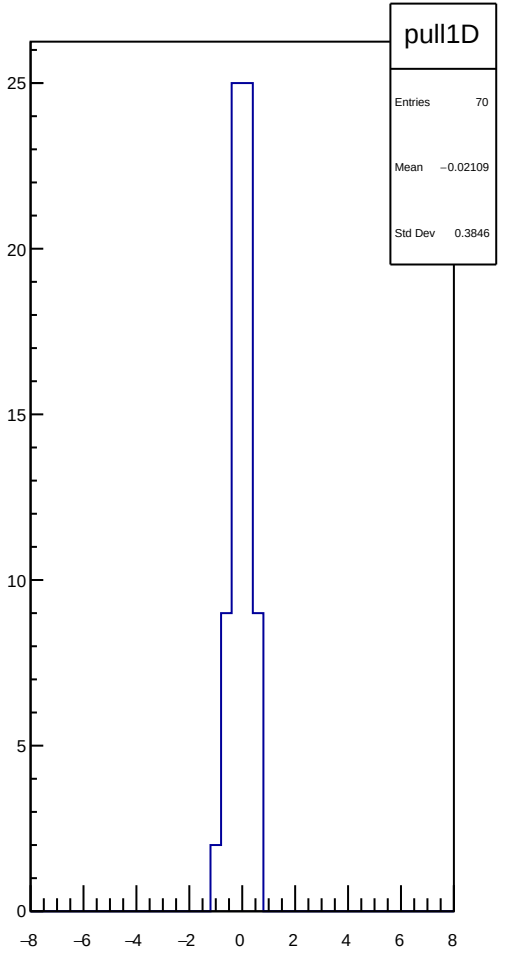

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 9.681 / 69
p0 37.83 ± 0.9162
pull
Entries 70
Mean −68.71
Std Dev 0

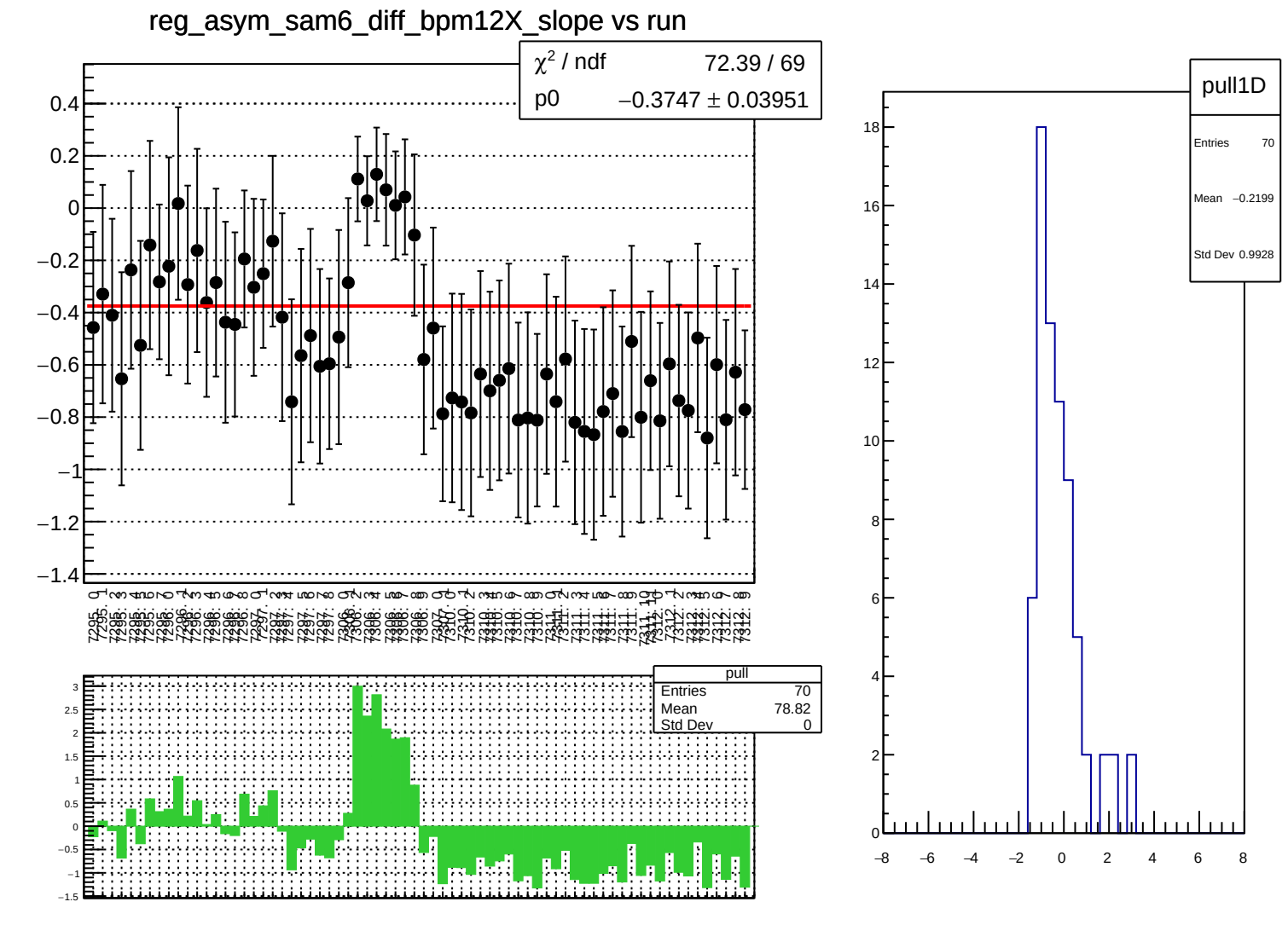

pull1D
Entries 70
Mean 0.02195
Std Dev 0.3712

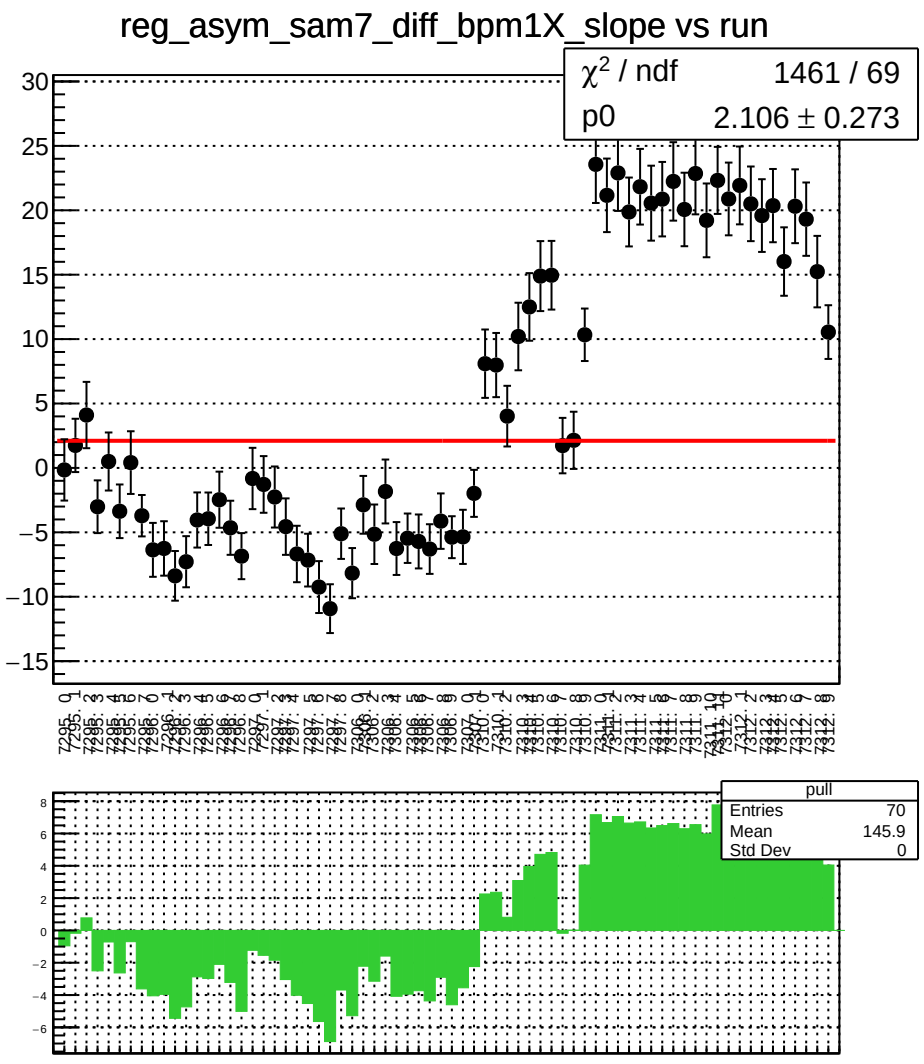

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.665 / 69
p0 58.63 ± 1.006
pull
Entries 70
Mean 87.33
Std Dev 0

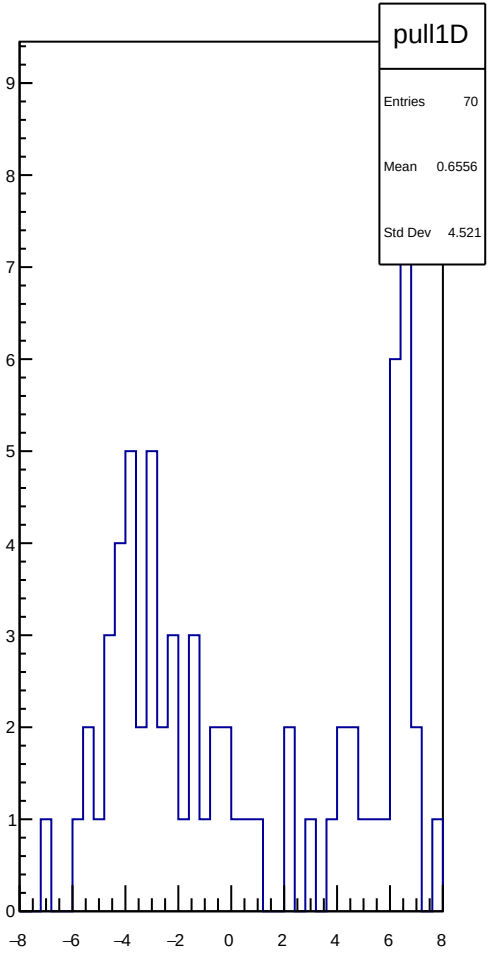

pull1D
Entries 70
Mean −0.03377
Std Dev 0.2825

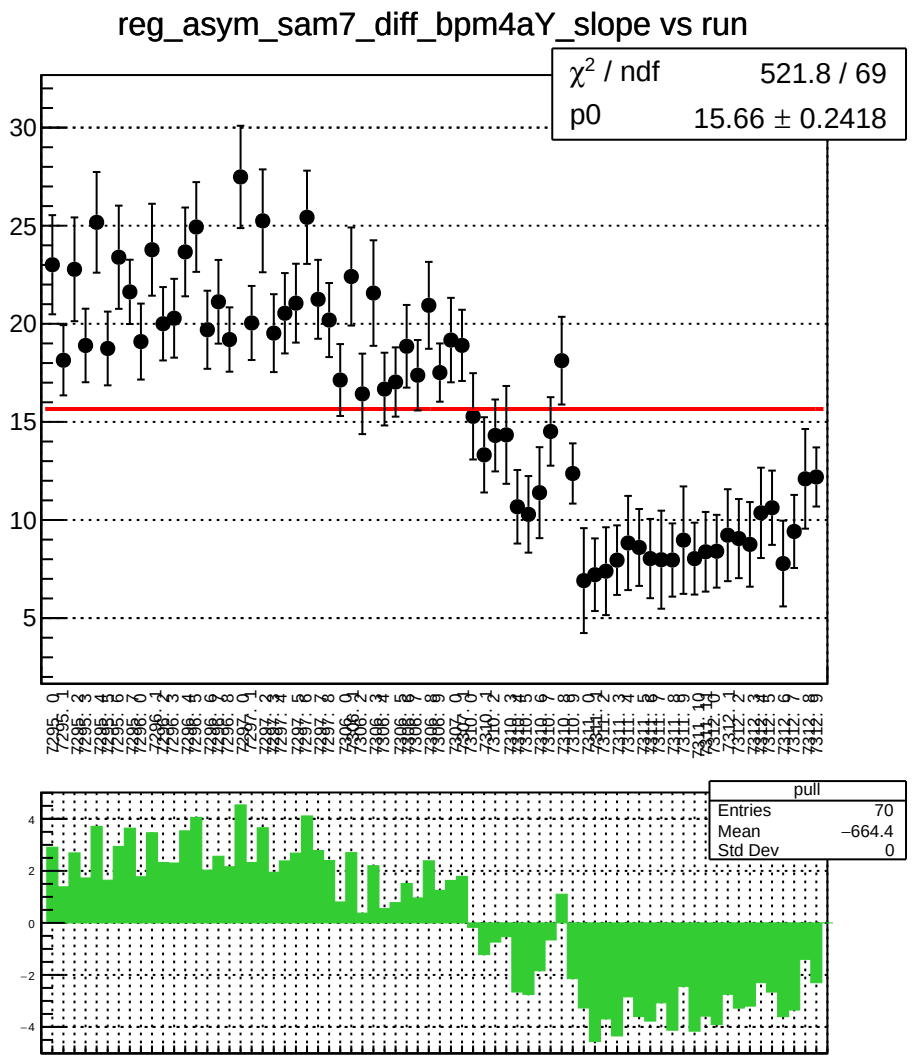

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 10.38 / 69
p0 89.11 ± 0.9816
pull
Entries 70
Mean 64.57
Std Dev 38.56

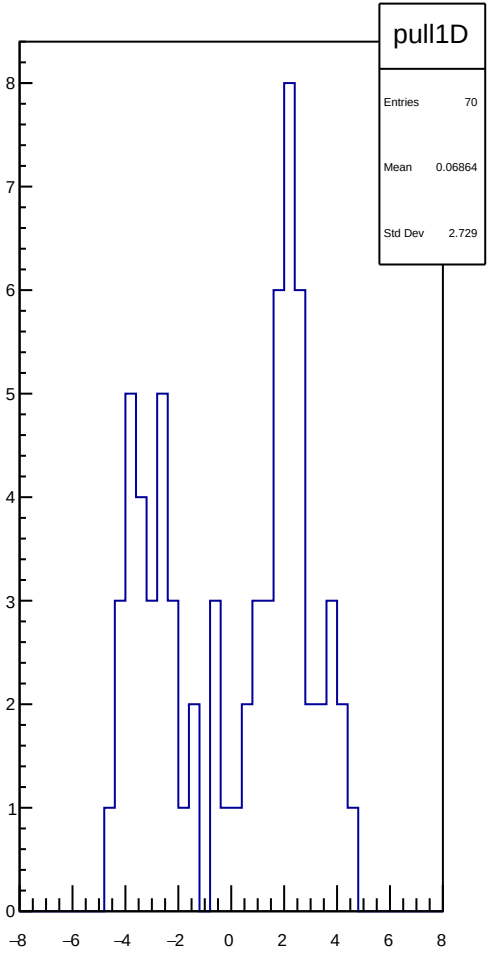

pull1D
Entries 70
Mean −0.02109
Std Dev 0.3846

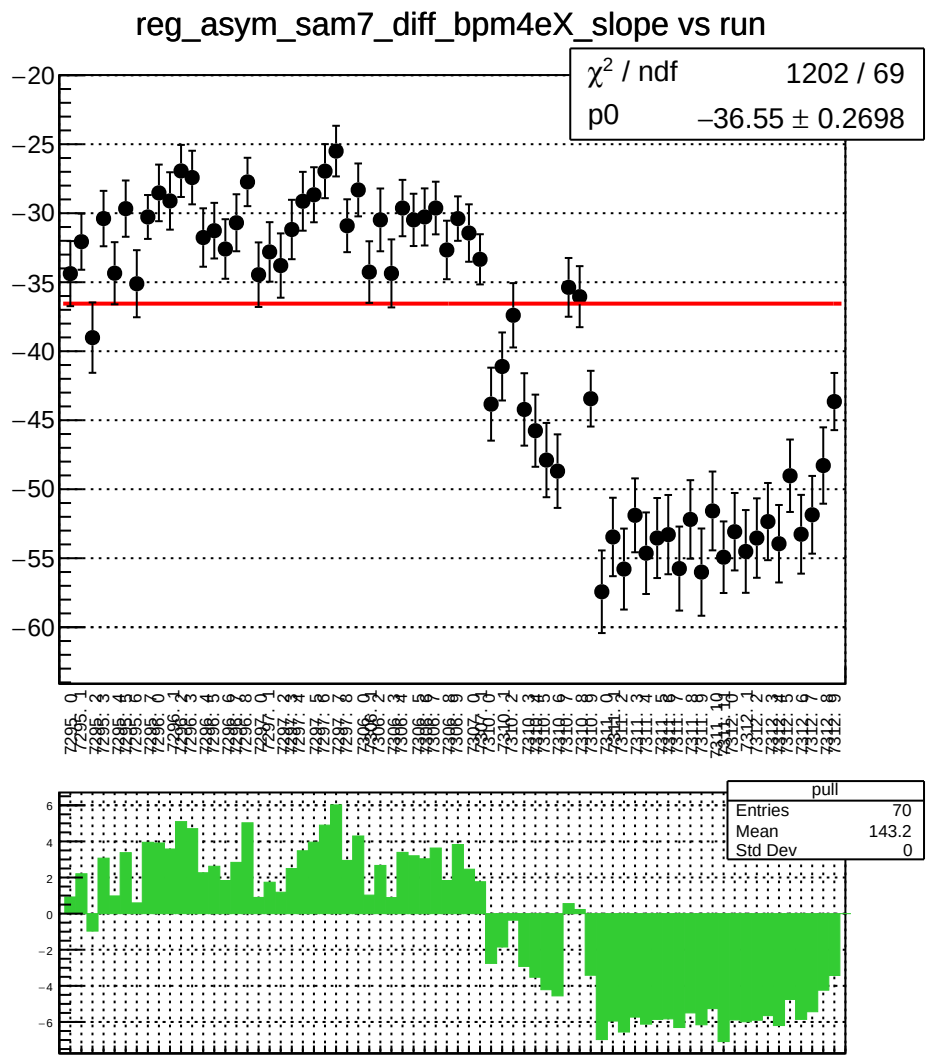

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 72.39 / 69
p0 −0.3747 ± 0.03951
pull
Entries 70
Mean 78.82
Std Dev 0
pull1D
Entries 70
Mean −0.2199
Std Dev 0.9928

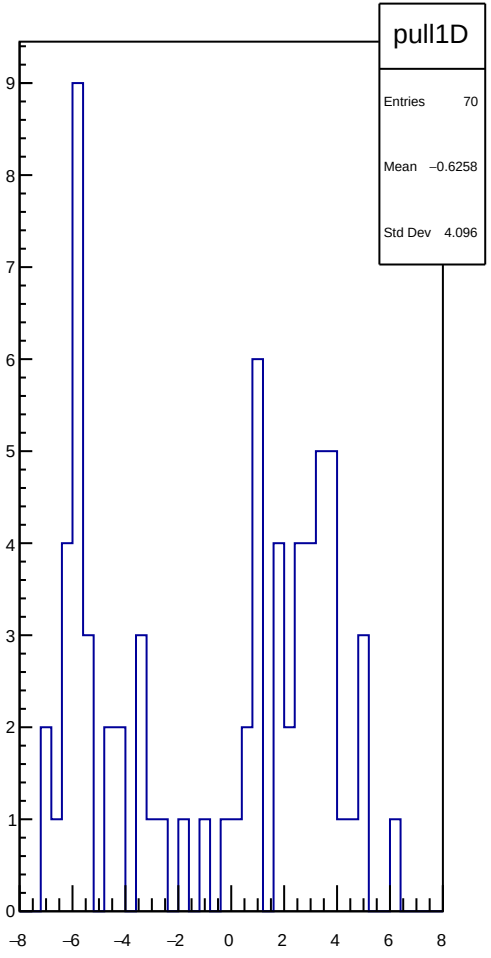

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1461 / 69
p0 2.106 ± 0.273
pull
Entries 70
Mean 145.9
Std Dev 0

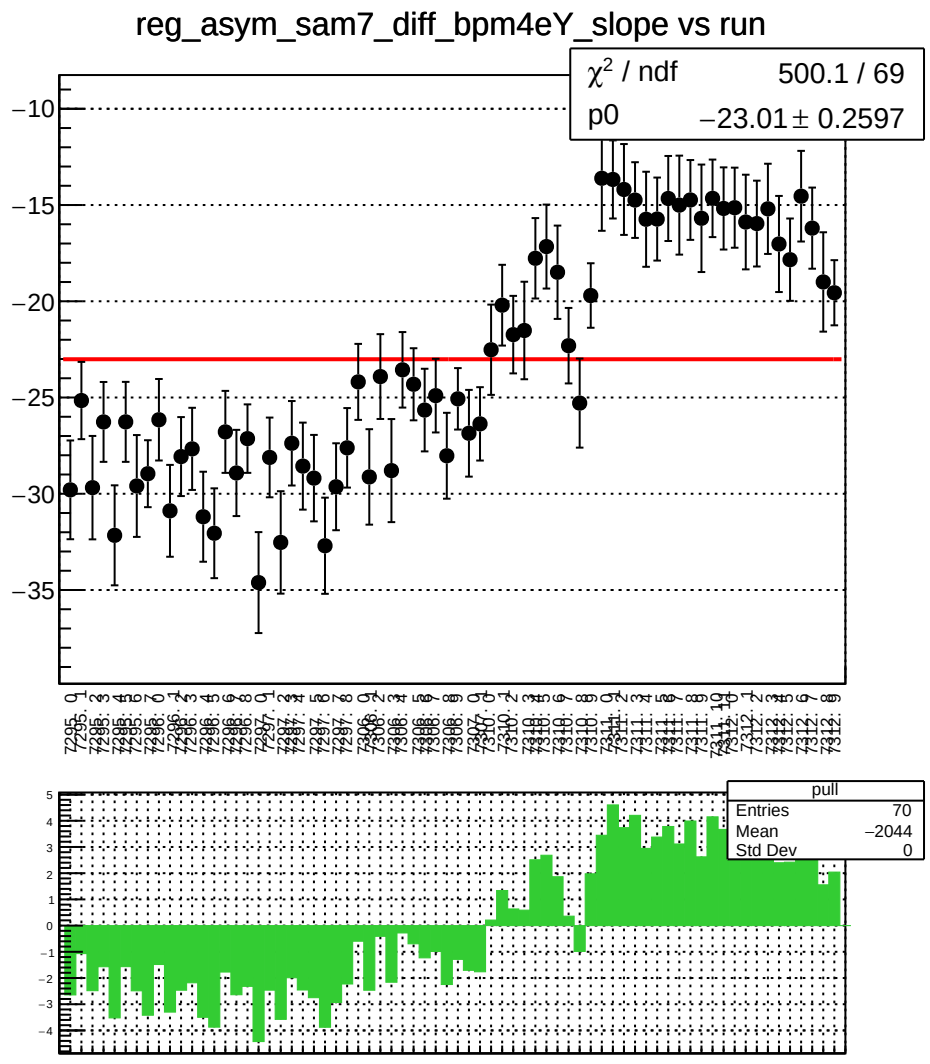

pull1D
Entries 70
Mean 0.6556
Std Dev 4.521

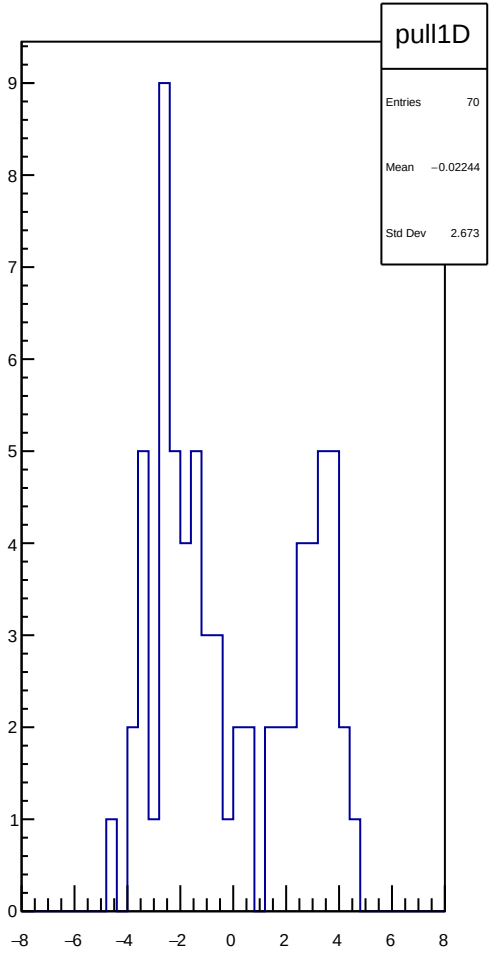

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 521.8 / 69
p0 15.66 ± 0.2418
pull
Entries 70
Mean −664.4
Std Dev 0

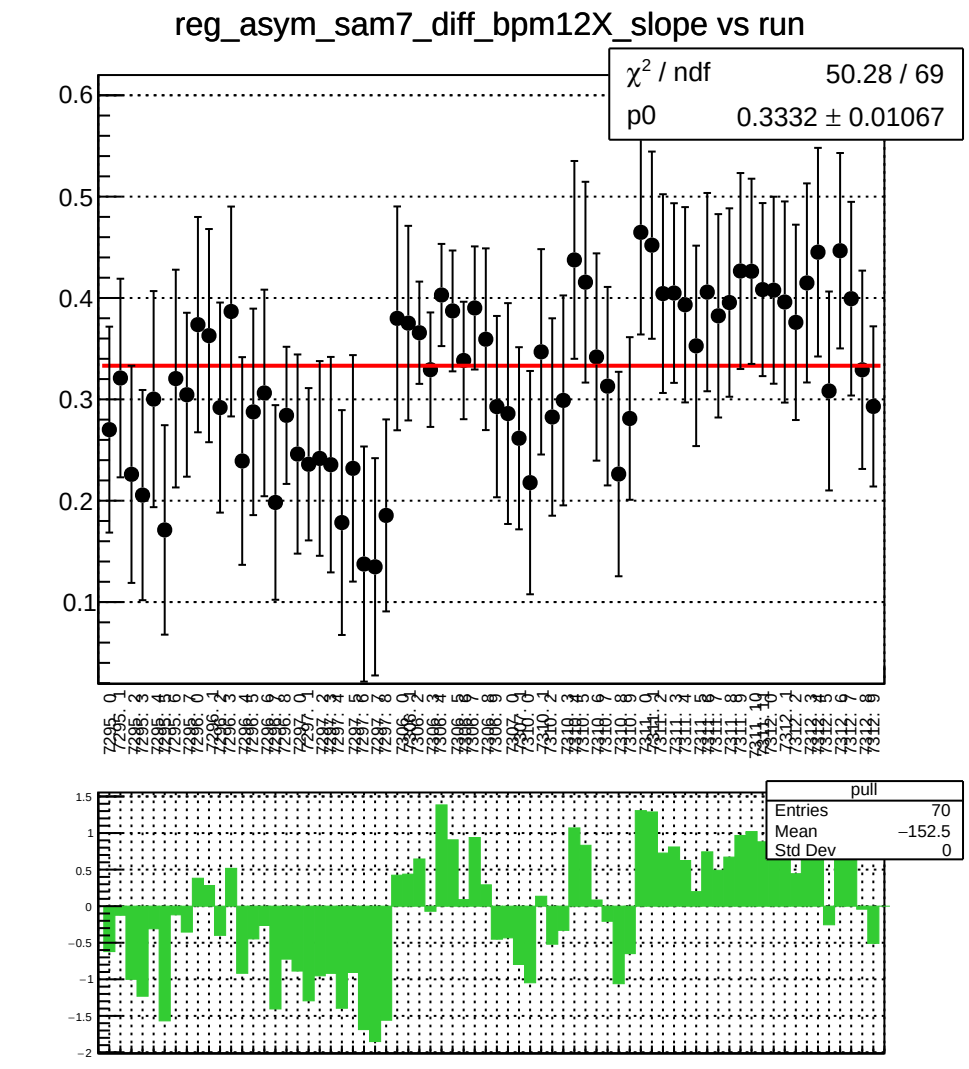

pull1D
Entries 70
Mean 0.06864
Std Dev 2.729

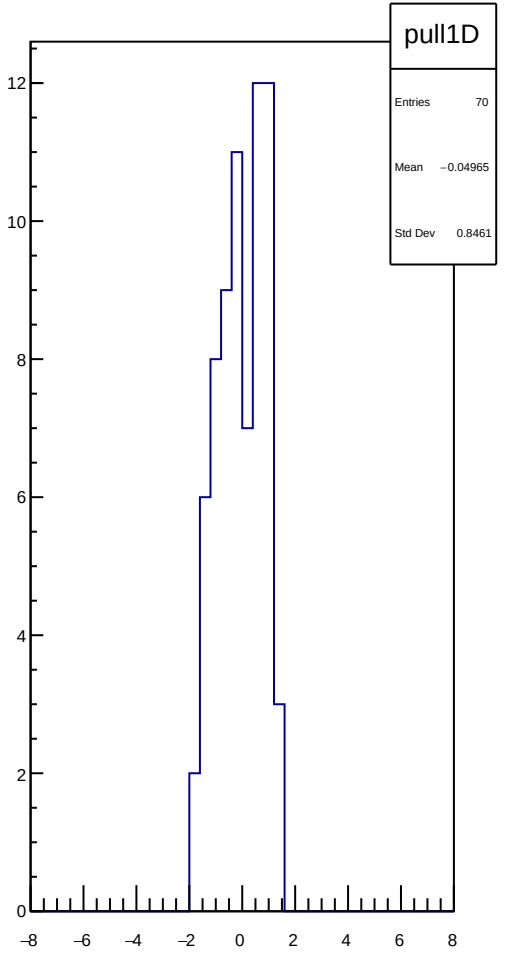

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1202 / 69
p0 −36.55 ± 0.2698
pull
Entries 70
Mean 143.2
Std Dev 0

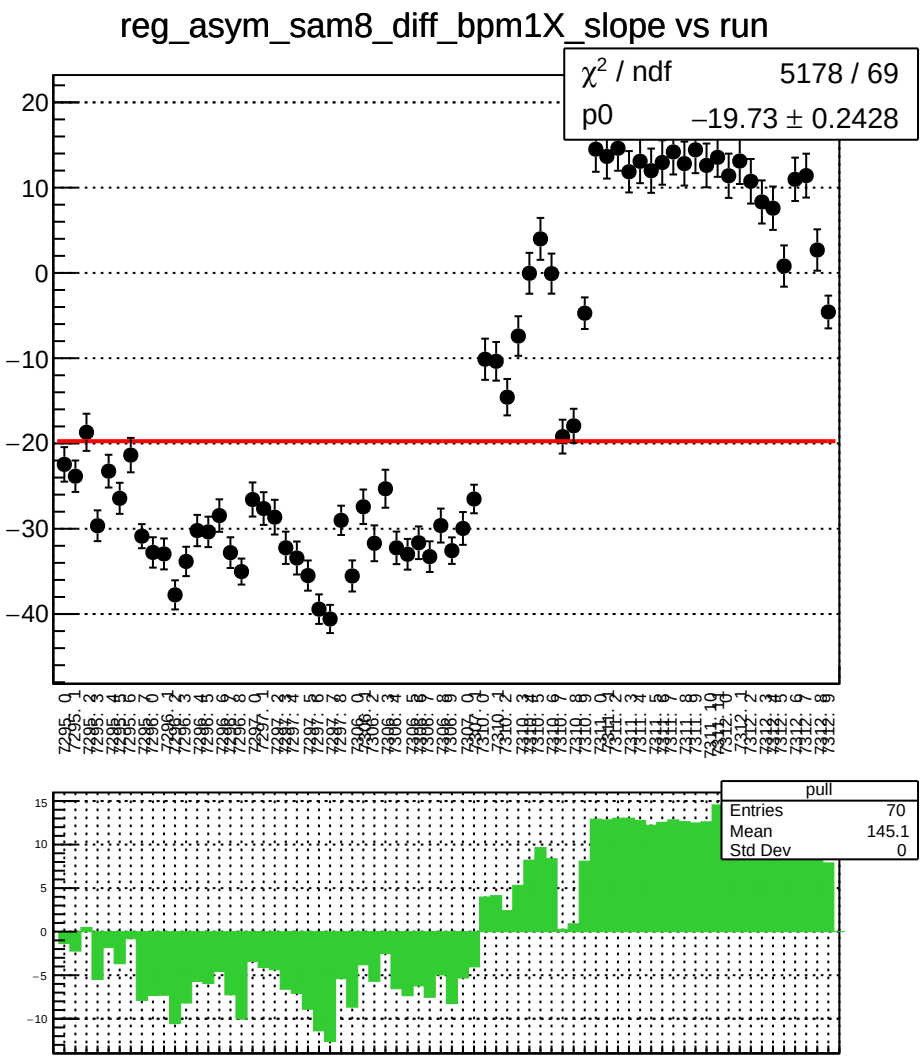

pull1D
Entries 70
Mean −0.6258
Std Dev 4.096

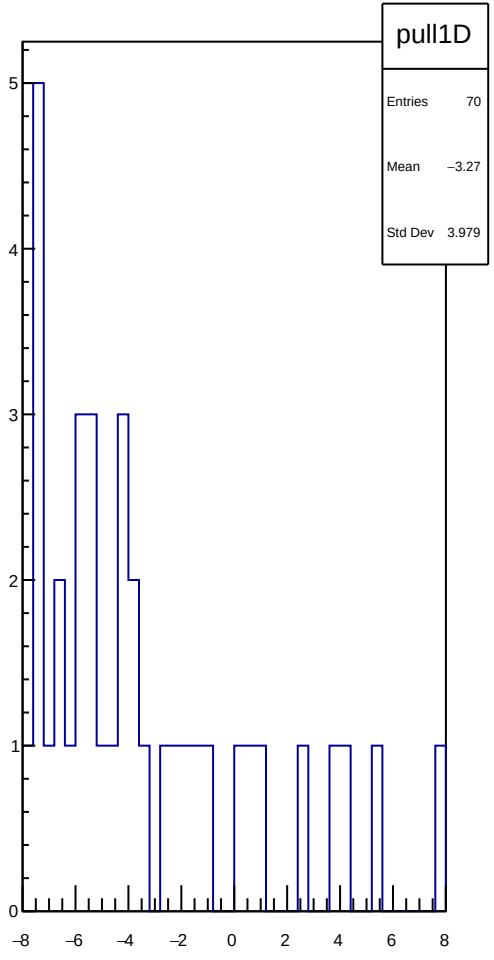

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 500.1 / 69
p0 −23.01 ± 0.2597
pull
Entries 70
Mean −2044
Std Dev 0

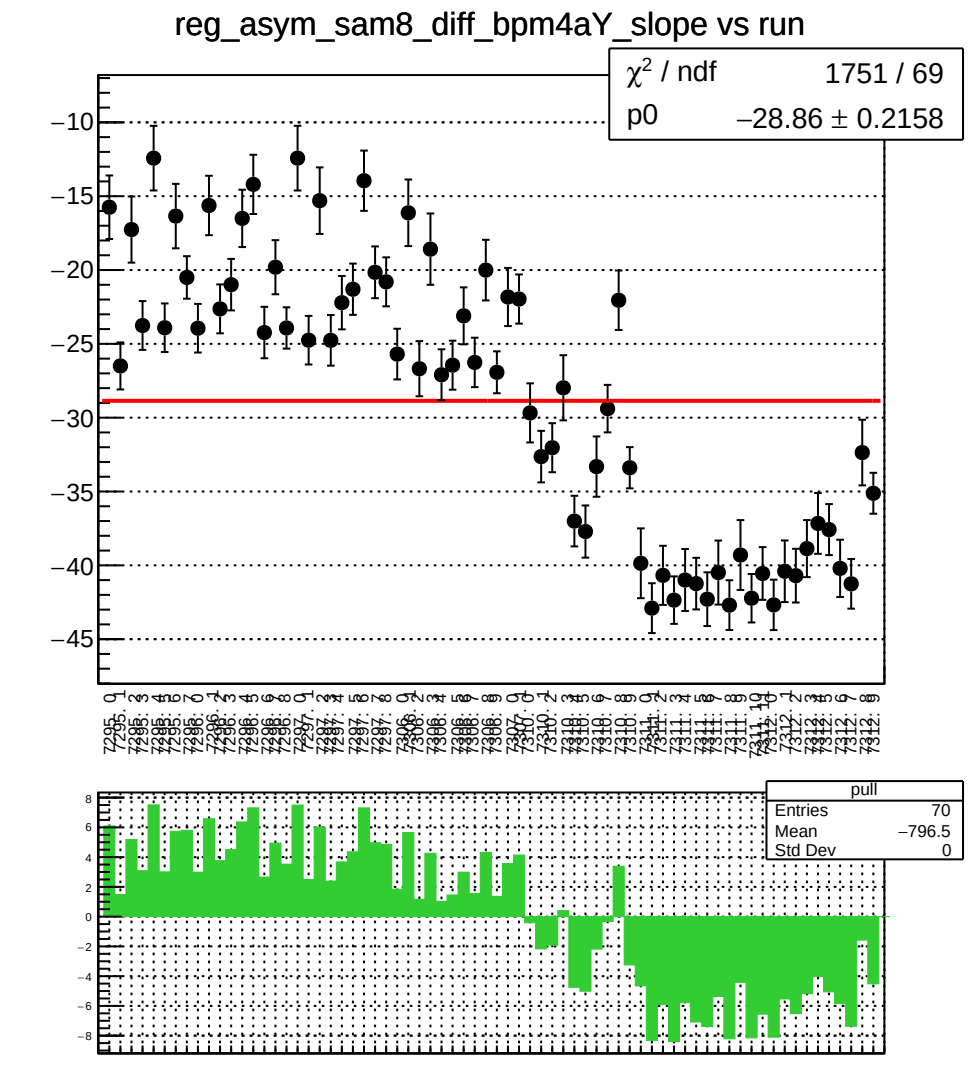

pull1D
Entries 70
Mean −0.02244
Std Dev 2.673

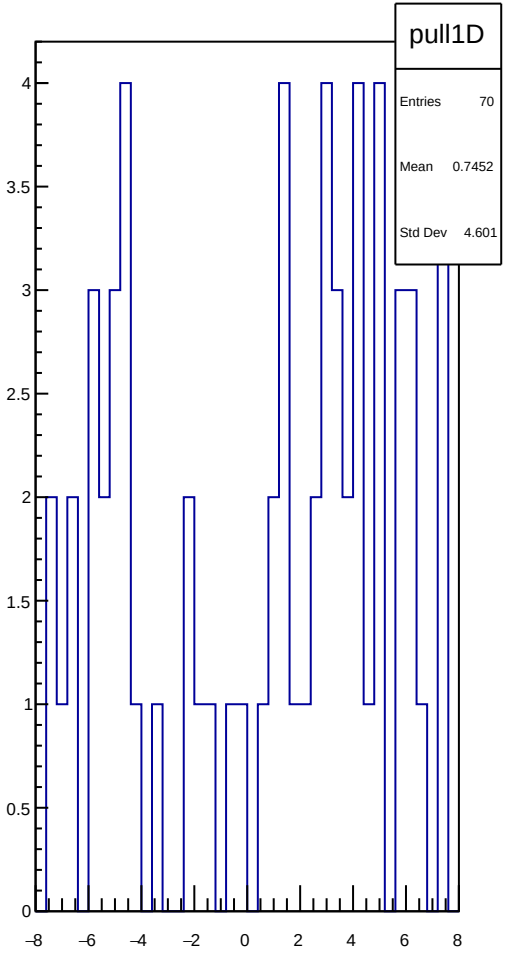

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 50.28 / 69
p0 0.3332 ± 0.01067
pull
Entries 70
Mean −152.5
Std Dev 0

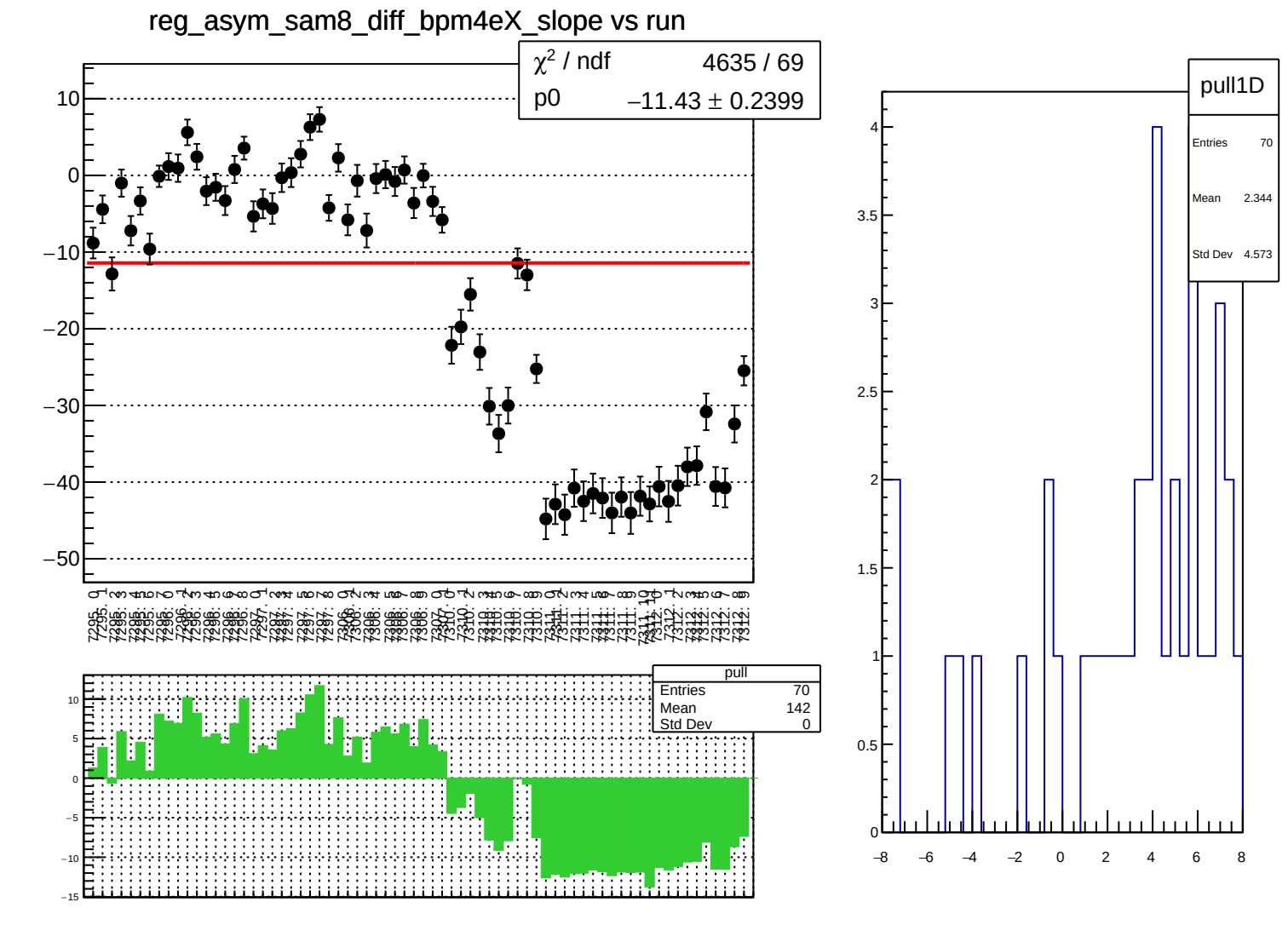

pull1D
Entries 70
Mean −0.04965
Std Dev 0.8461

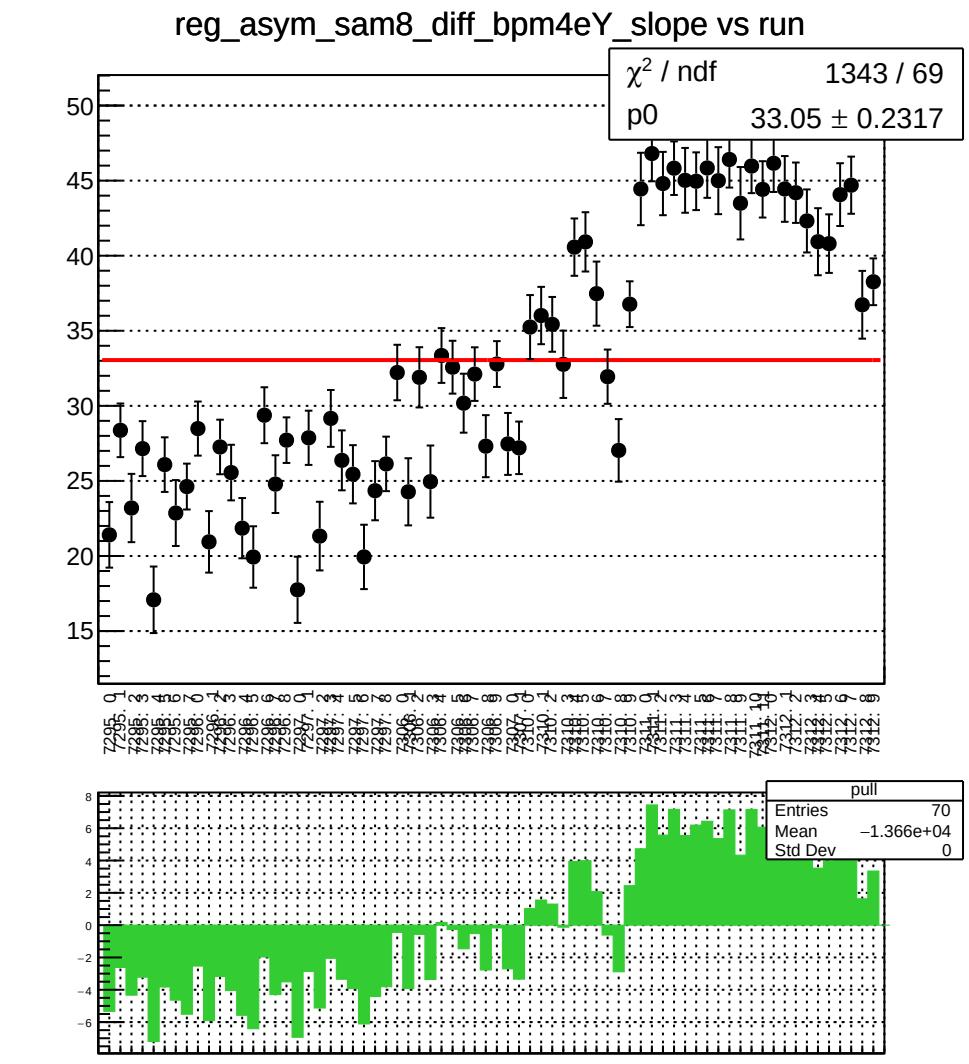

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5178 / 69
p0 −19.73 ± 0.2428
pull
Entries 70
Mean 145.1
Std Dev 0

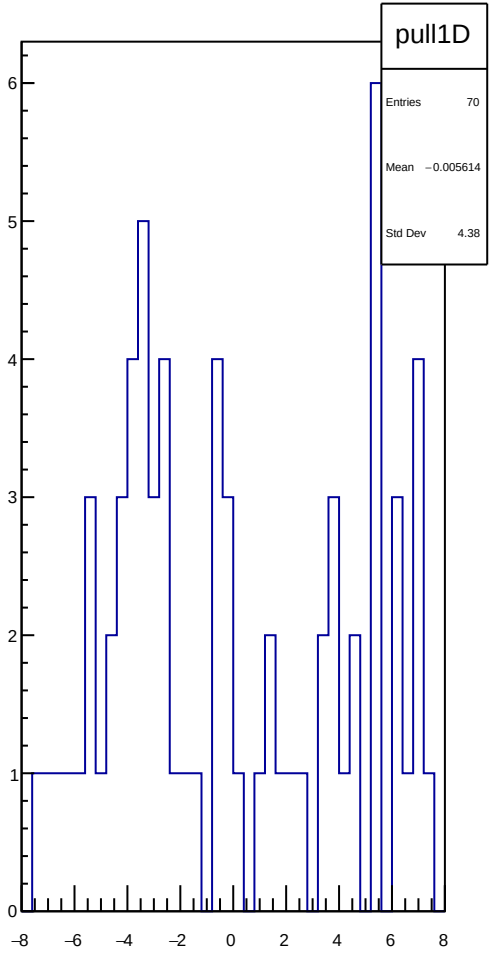

pull1D
Entries 70
Mean −3.27
Std Dev 3.979

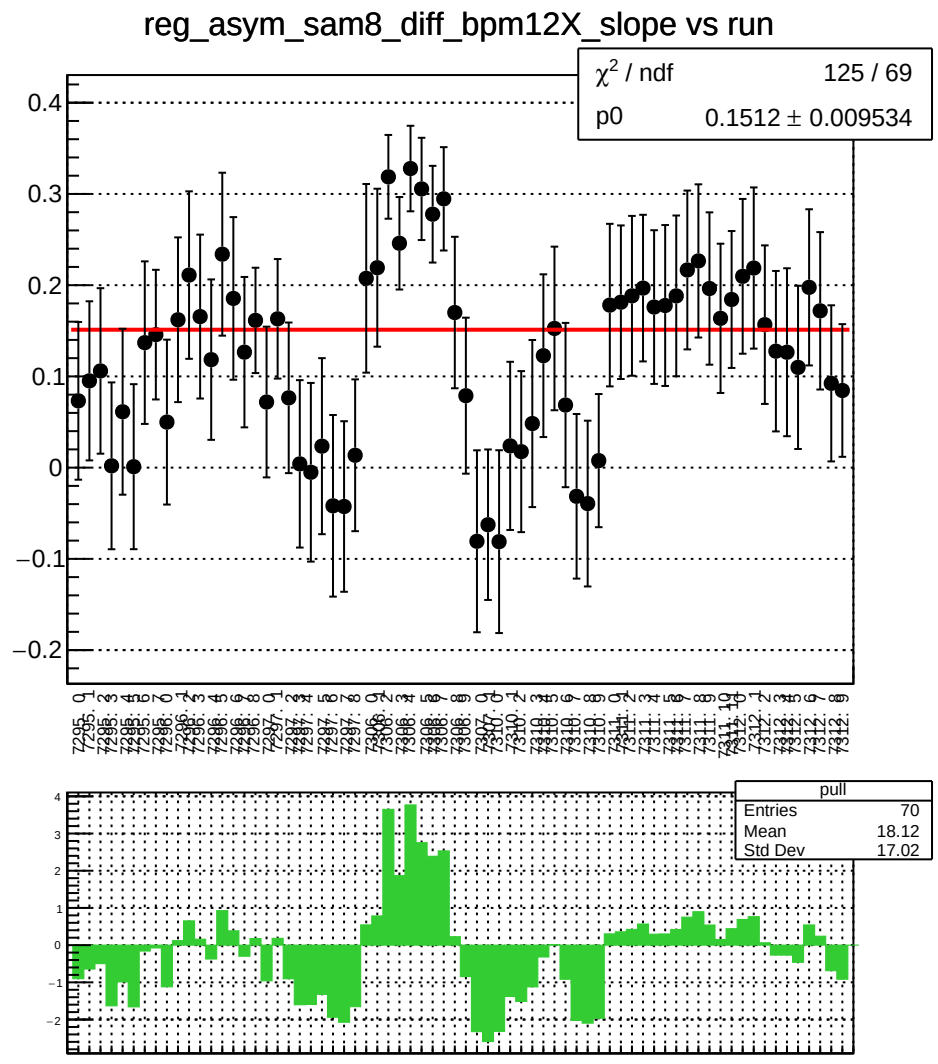

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1751 / 69
p0 −28.86 ± 0.2158
pull
Entries 70
Mean −796.5
Std Dev 0

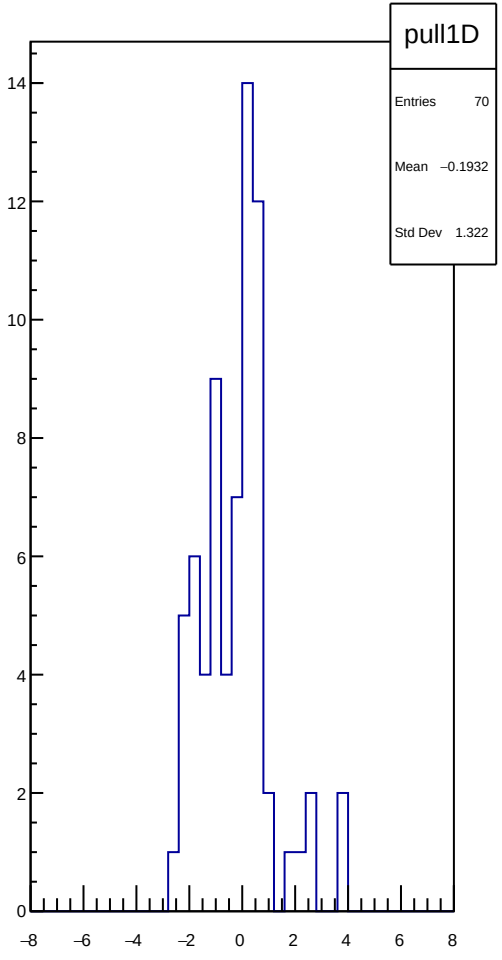

pull1D
Entries 70
Mean 0.7452
Std Dev 4.601

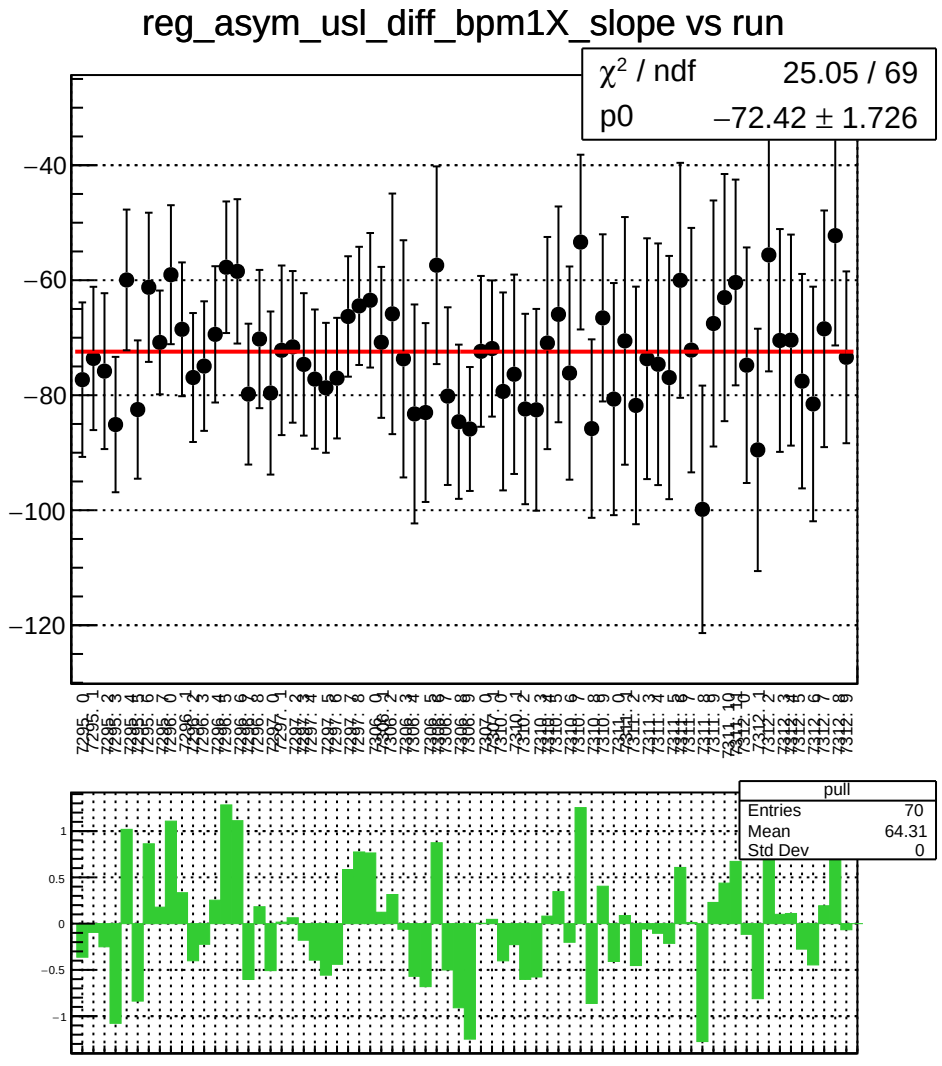

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 4635 / 69
p0 −11.43 ± 0.2399
pull
Entries 70
Mean 142
Std Dev 0
pull1D
Entries 70
Mean 2.344
Std Dev 4.573

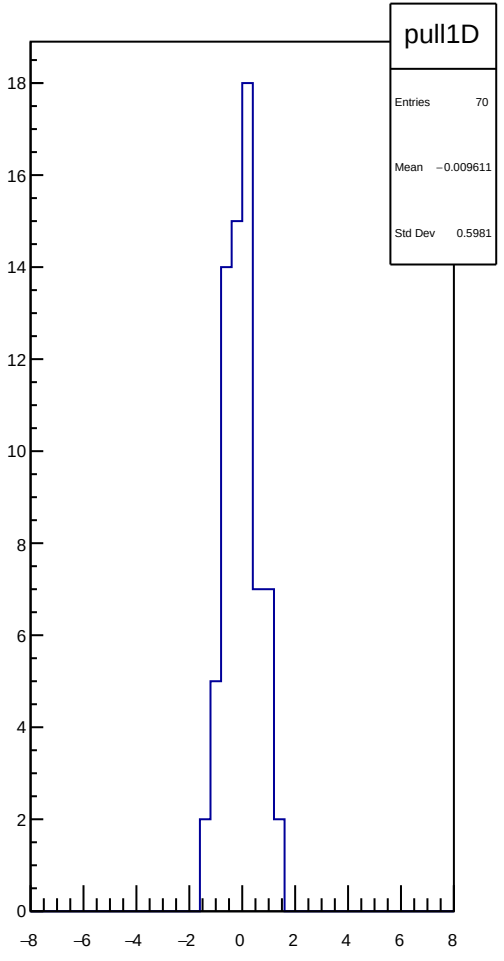

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1343 / 69
p0 33.05 ± 0.2317
pull
Entries 70
Mean −1.366e+04
Std Dev 0

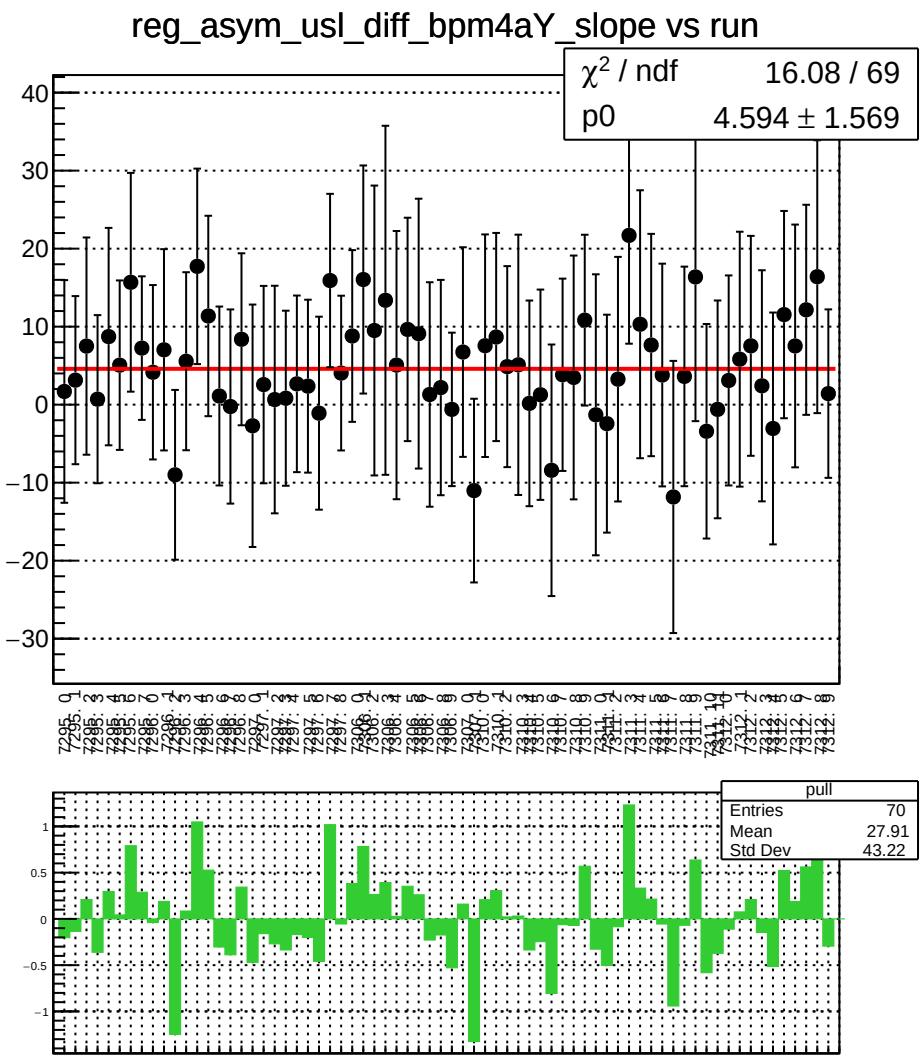

pull1D
Entries 70
Mean −0.005614
Std Dev 4.38

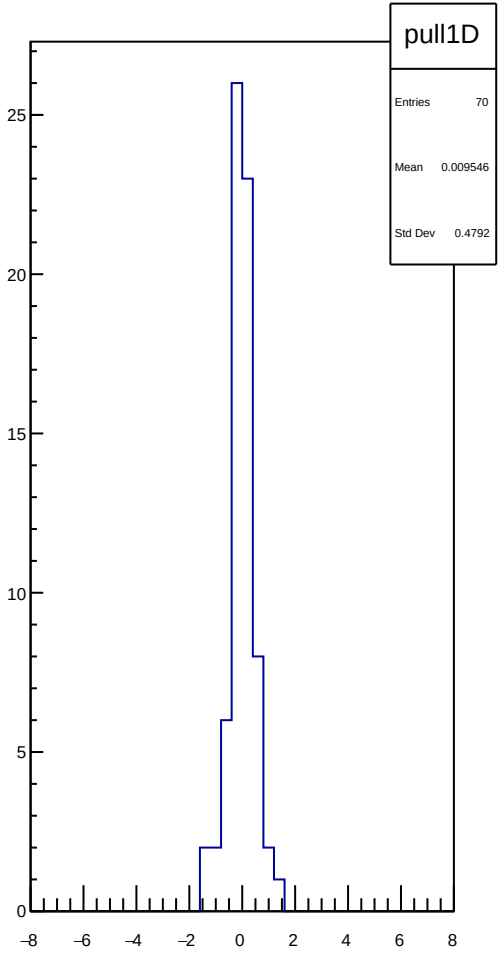

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 125 / 69
p0 0.1512 ± 0.009534
pull
Entries 70
Mean 18.12
Std Dev 17.02

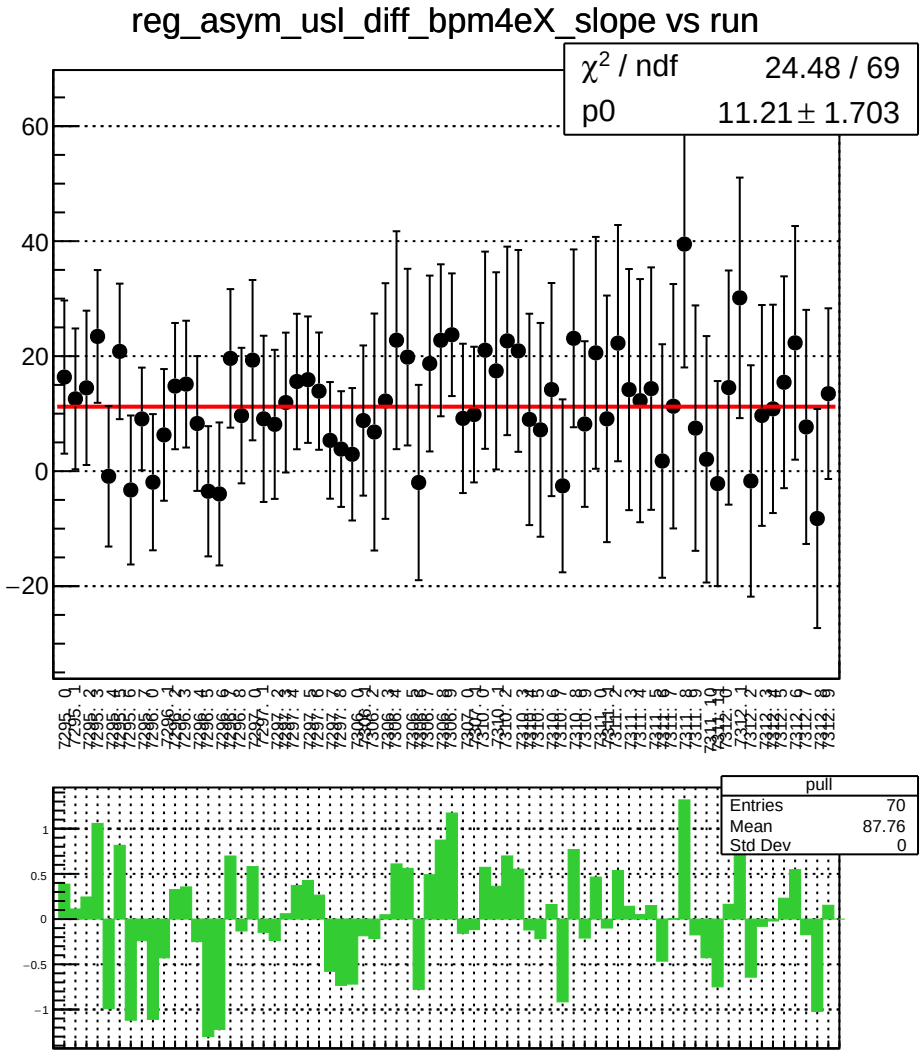

pull1D
Entries 70
Mean −0.1932
Std Dev 1.322

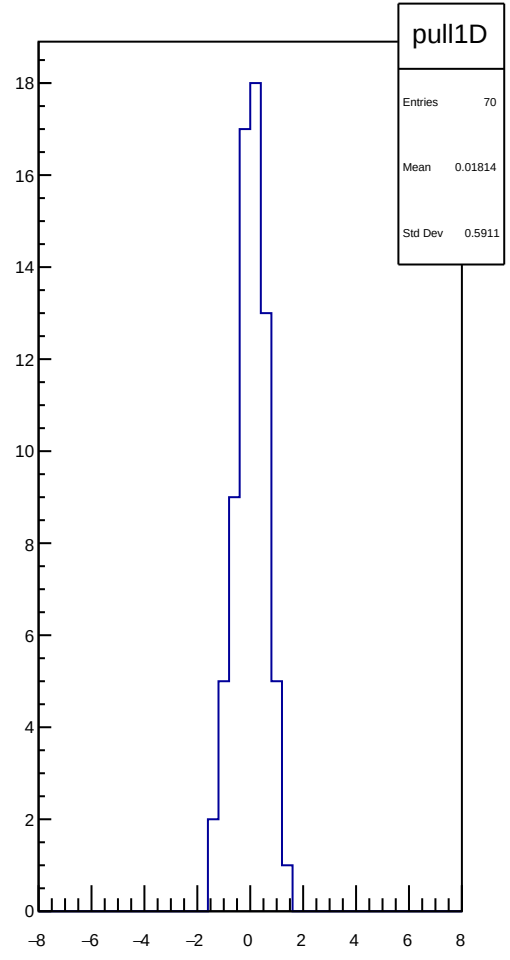

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 25.05 / 69
p0 −72.42 ± 1.726
pull
Entries 70
Mean 64.31
Std Dev 0

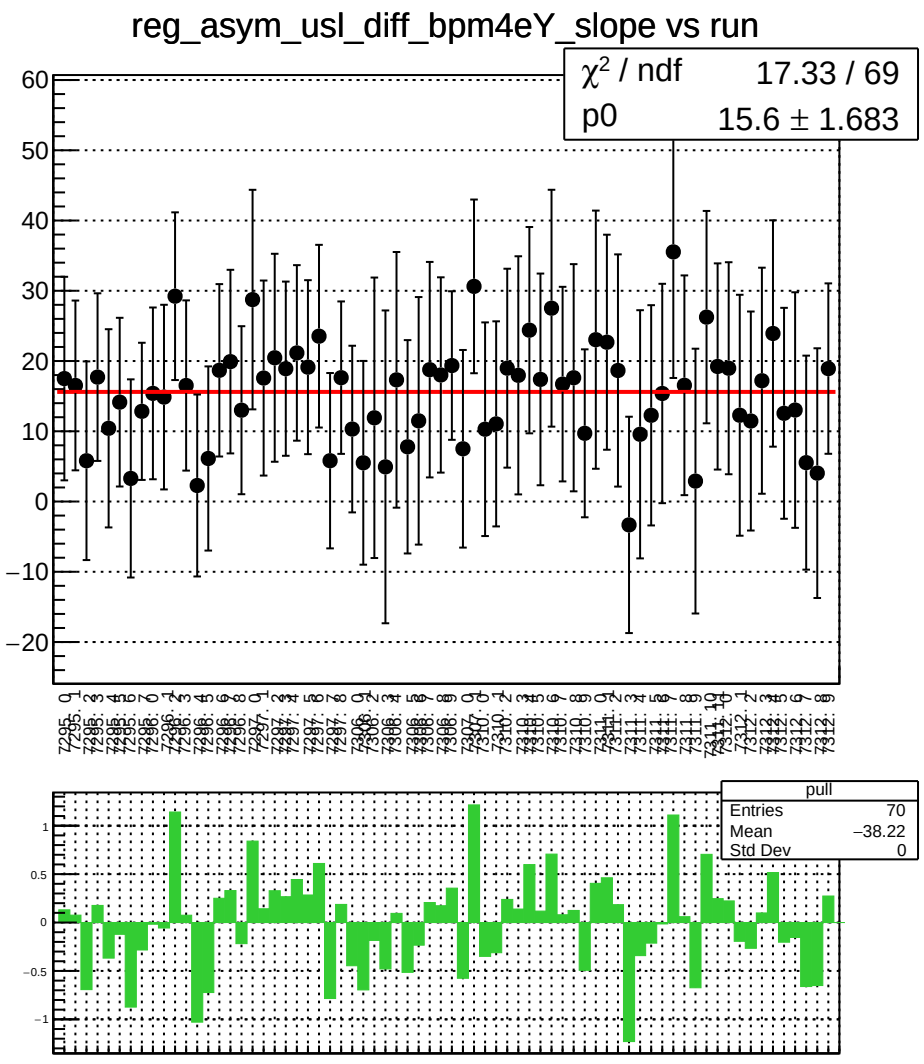

pull1D
Entries 70
Mean −0.009611
Std Dev 0.5981

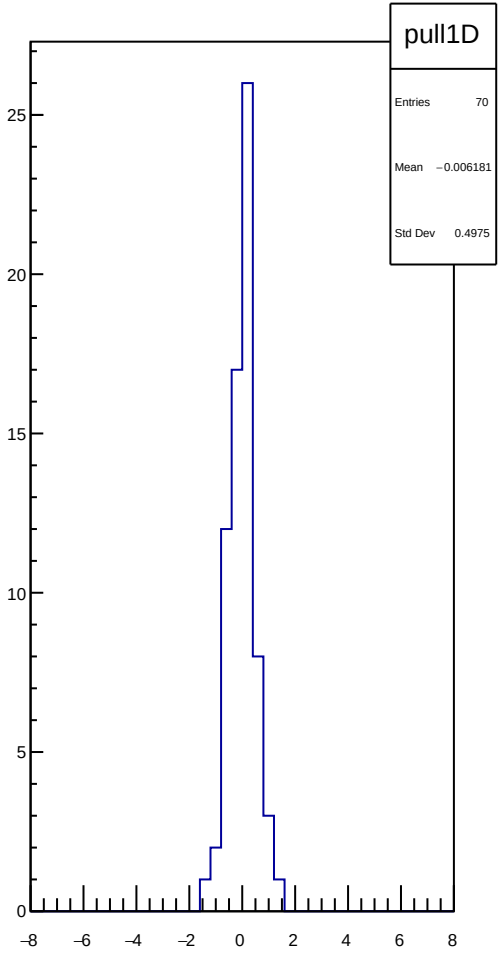

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 16.08 / 69
p0 4.594 ± 1.569
pull
Entries 70
Mean 27.91
Std Dev 43.22

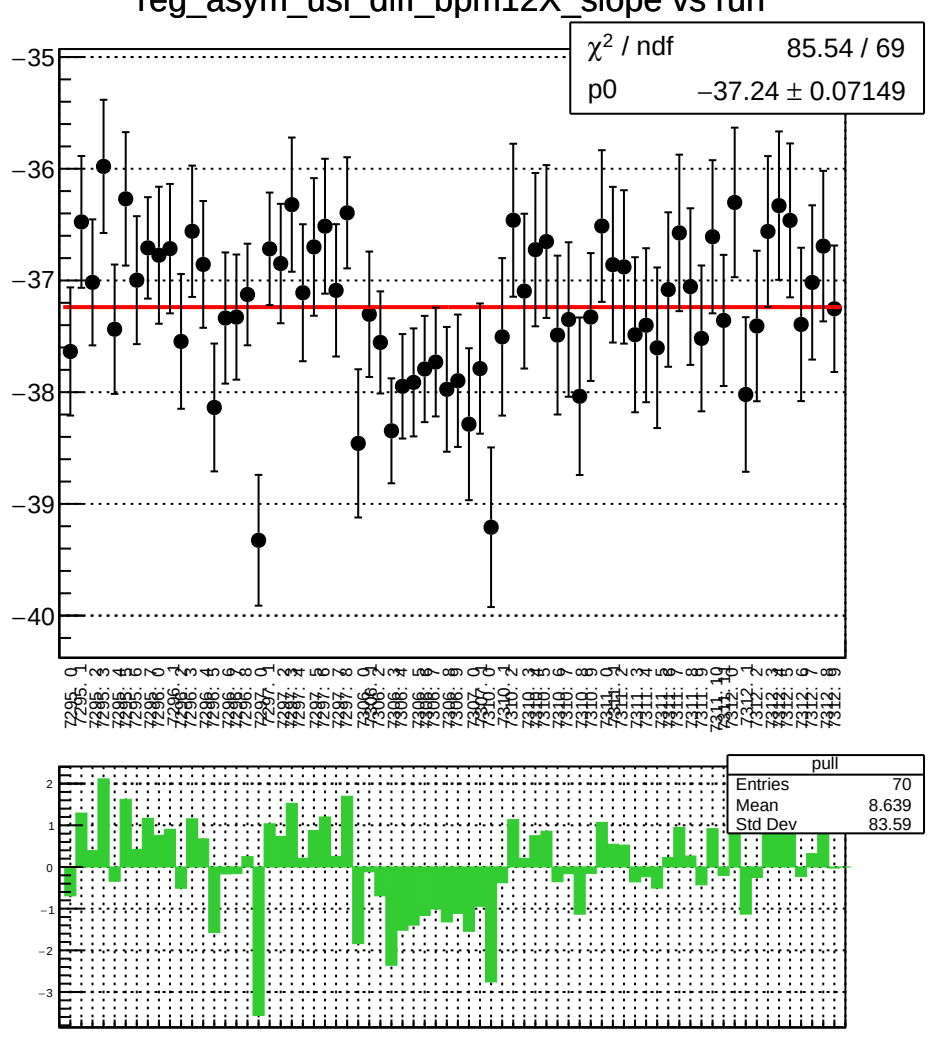

pull1D
Entries 70
Mean 0.009546
Std Dev 0.4792

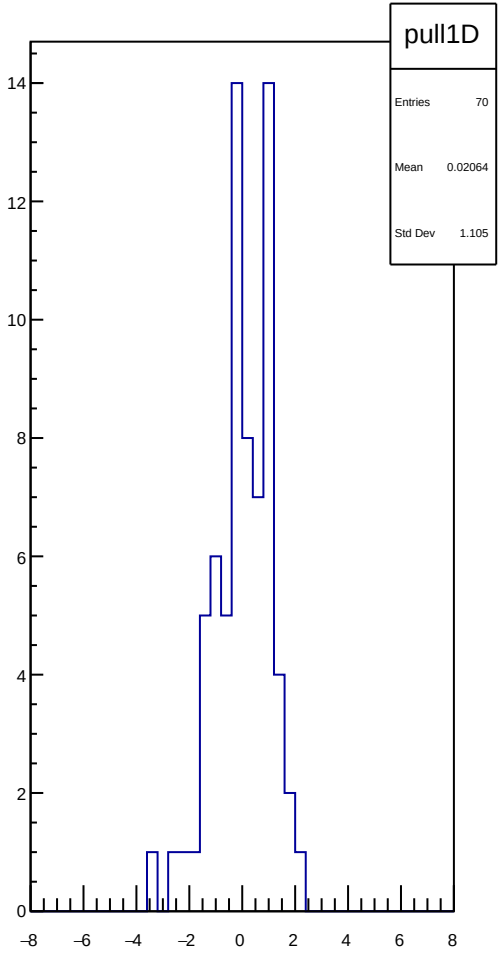

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.48 / 69
p0 11.21 ± 1.703
pull
Entries 70
Mean 87.76
Std Dev 0

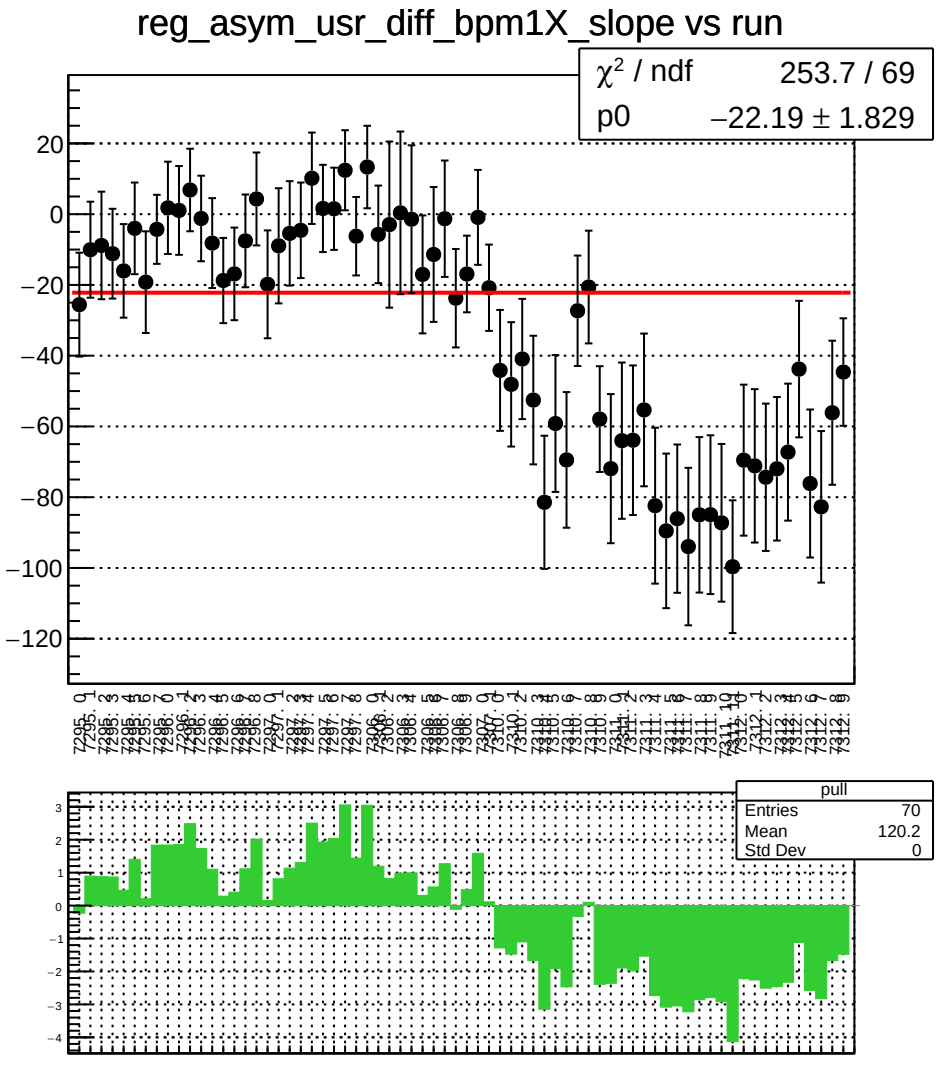

pull1D
Entries 70
Mean 0.01814
Std Dev 0.5911

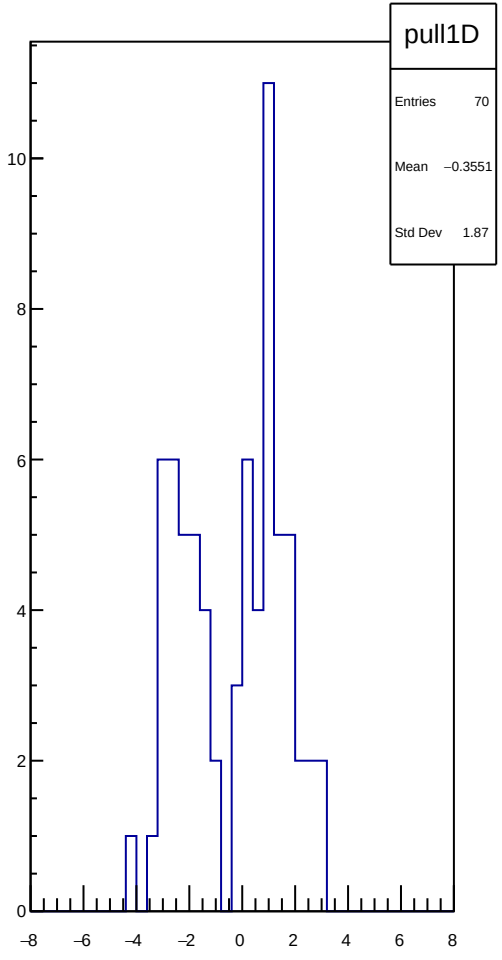

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 17.33 / 69
p0 15.6 ± 1.683
pull
Entries 70
Mean −38.22
Std Dev 0

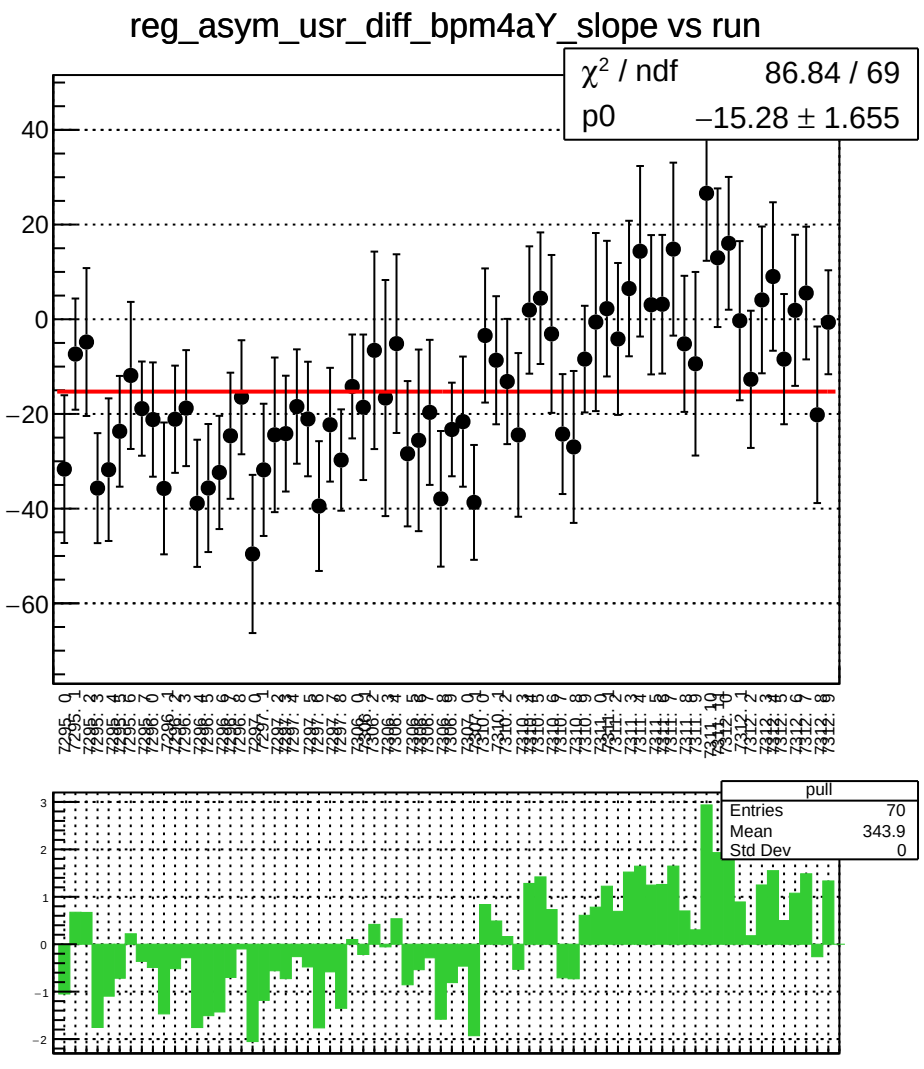

pull1D
Entries 70
Mean −0.006181
Std Dev 0.4975

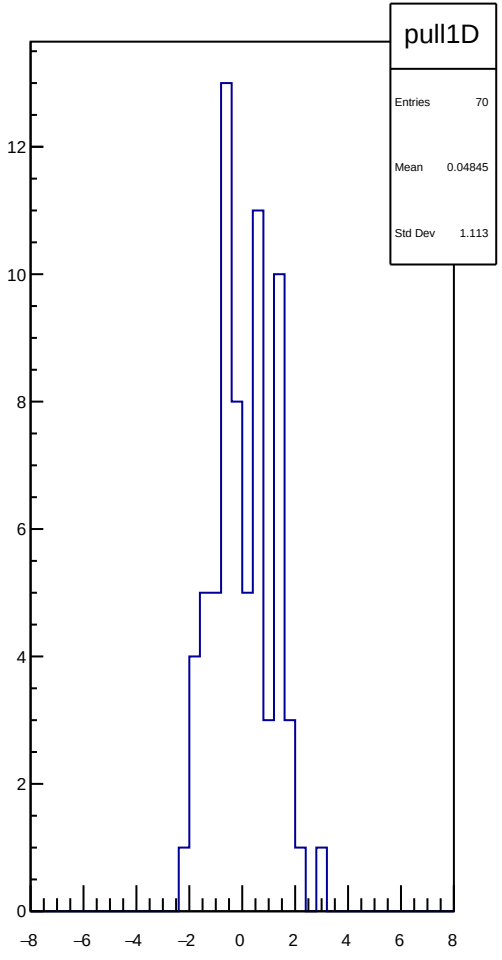

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 85.54 / 69
p0 −37.24 ± 0.07149
pull
Entries 70
Mean 8.639
Std Dev 83.59

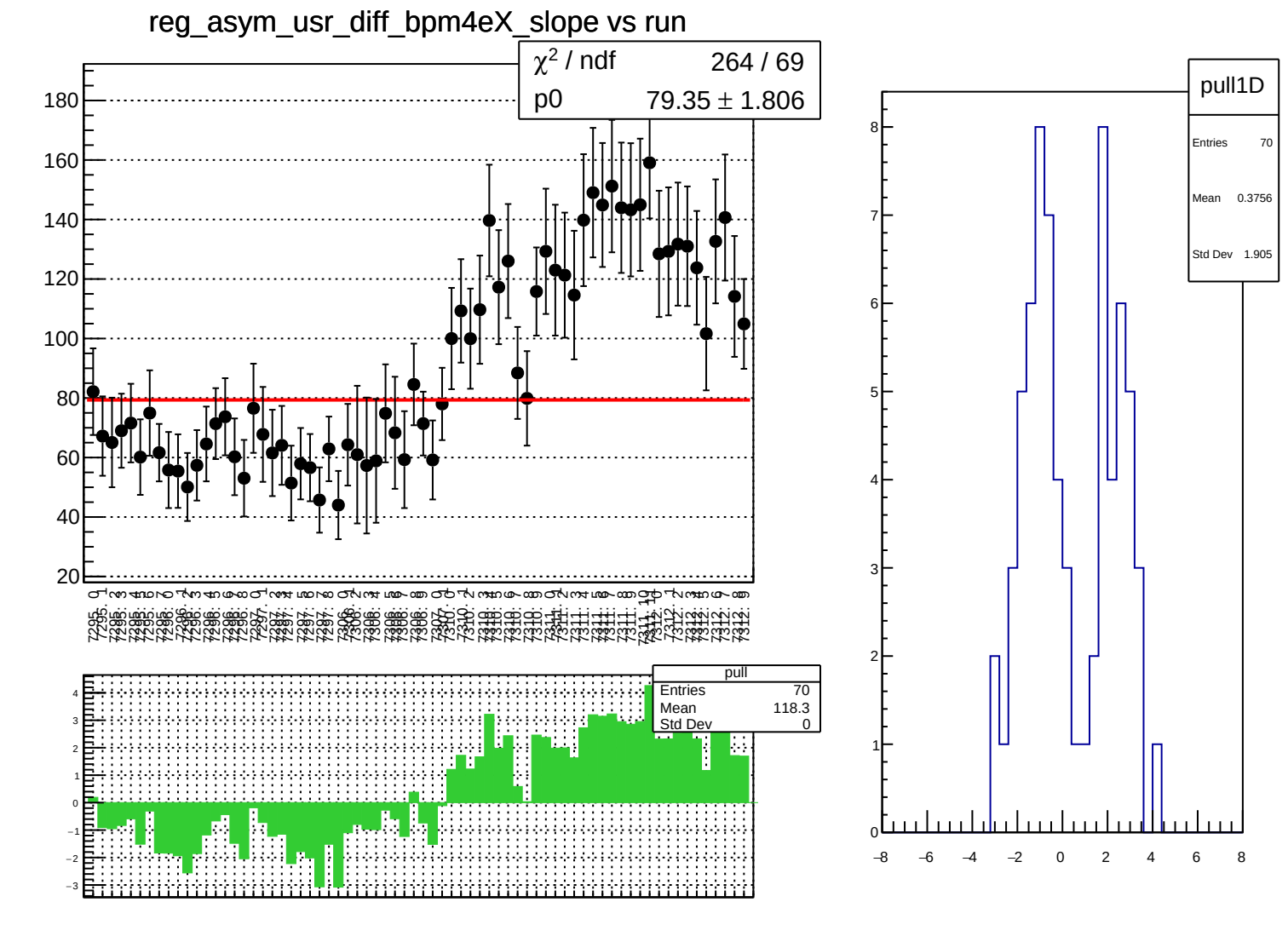

pull1D
Entries 70
Mean 0.02064
Std Dev 1.105

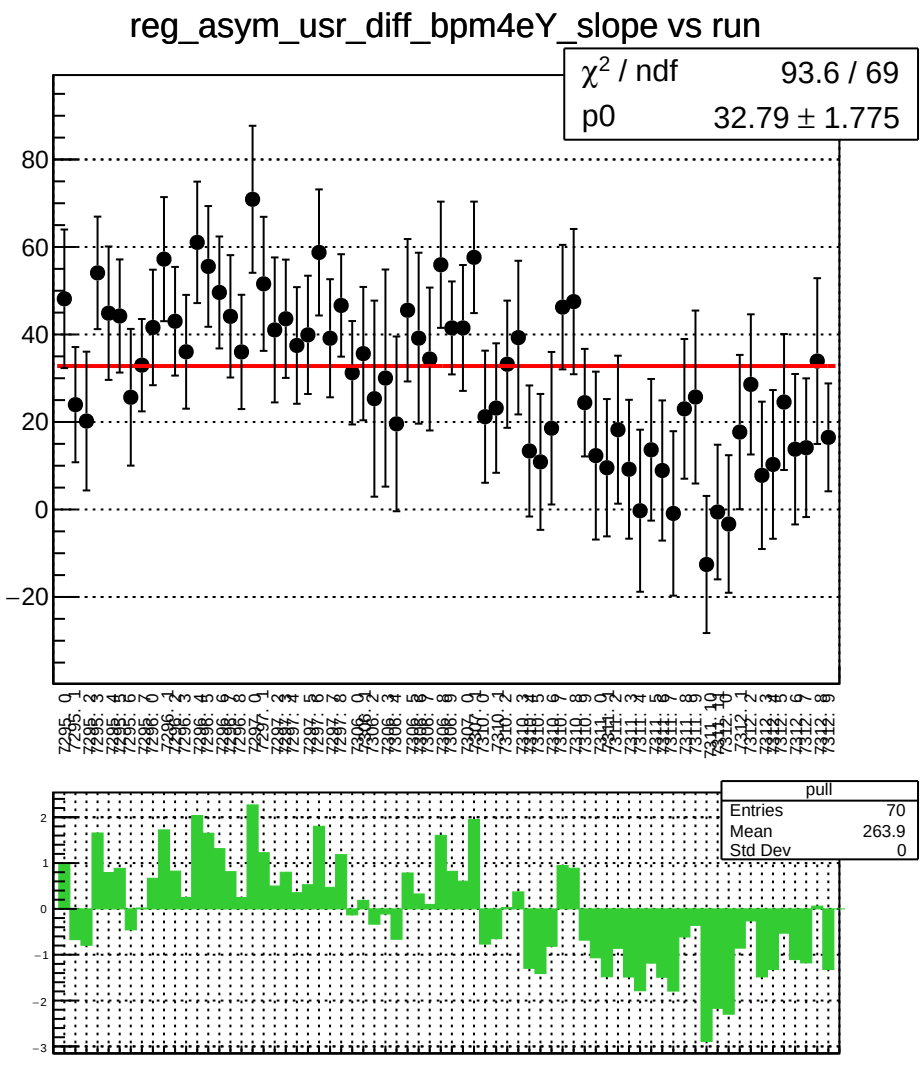

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 253.7 / 69
p0 −22.19 ± 1.829
pull
Entries 70
Mean 120.2
Std Dev 0

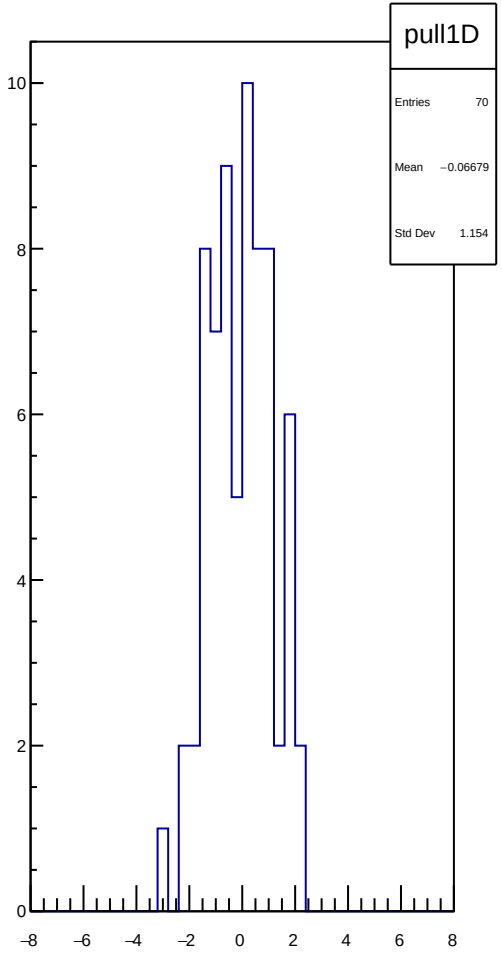

pull1D
Entries 70
Mean −0.3551
Std Dev 1.87

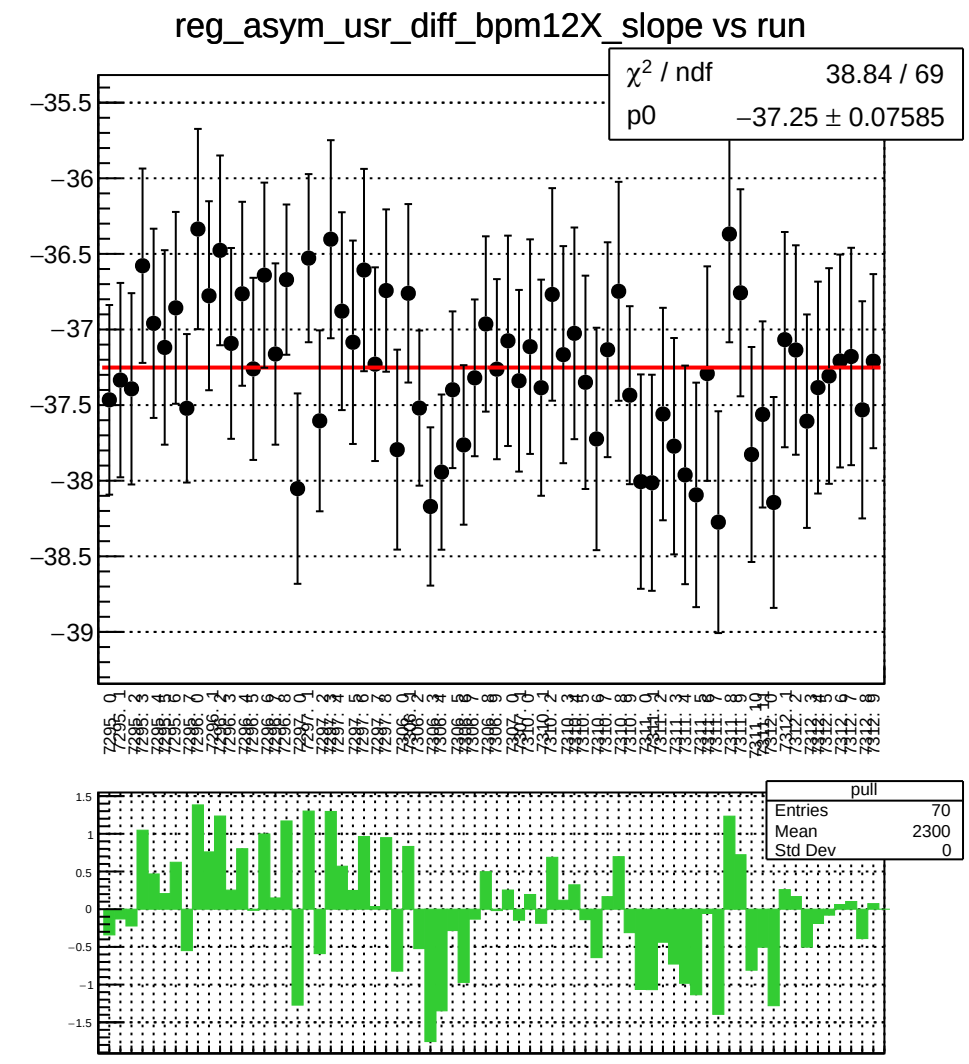

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 86.84 / 69
p0 −15.28 ± 1.655
pull
Entries 70
Mean 343.9
Std Dev 0

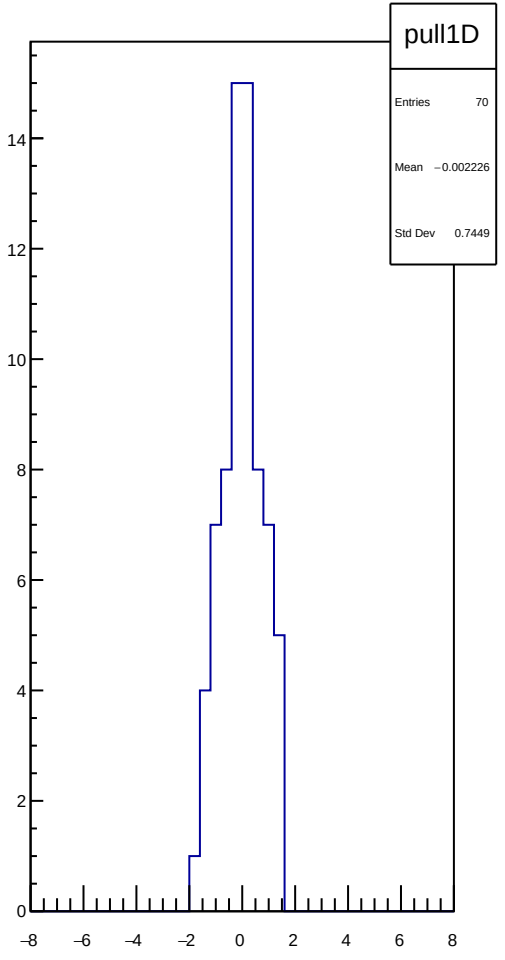

pull1D
Entries 70
Mean 0.04845
Std Dev 1.113

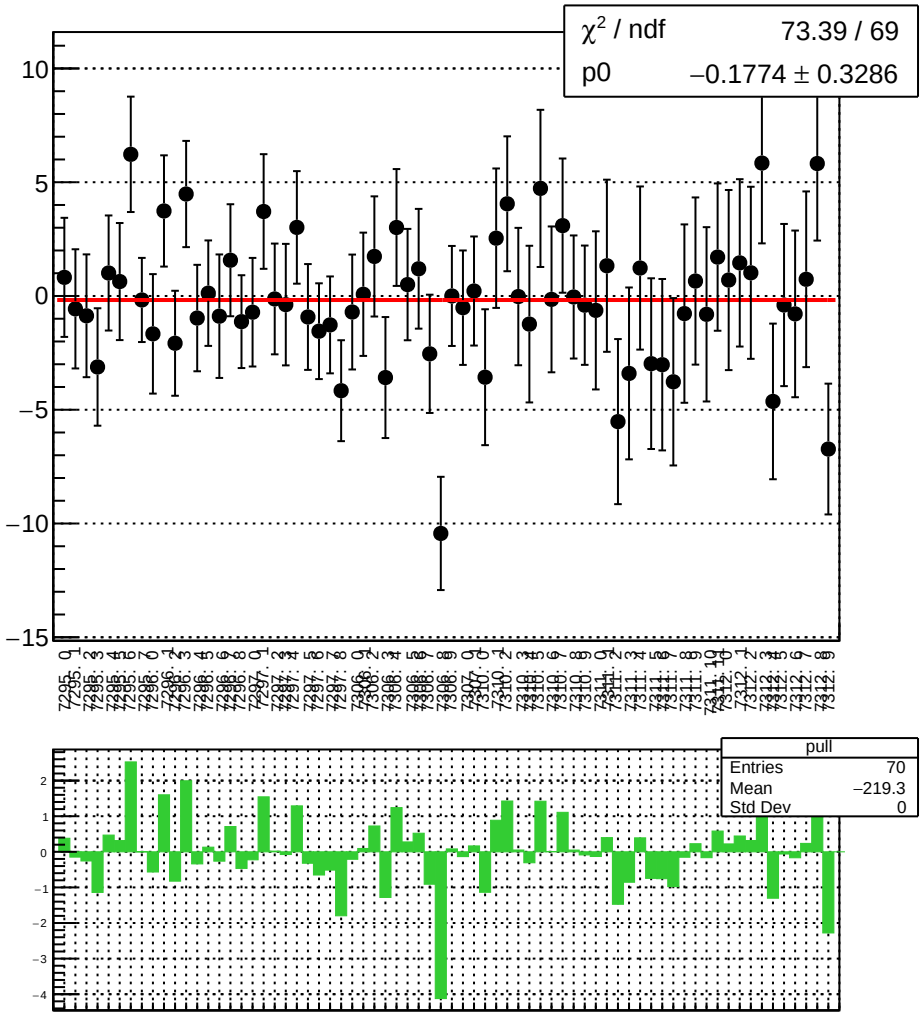

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 264 / 69
p0 79.35 ± 1.806
pull
Entries 70
Mean 118.3
Std Dev 0
pull1D
Entries 70
Mean 0.3756
Std Dev 1.905

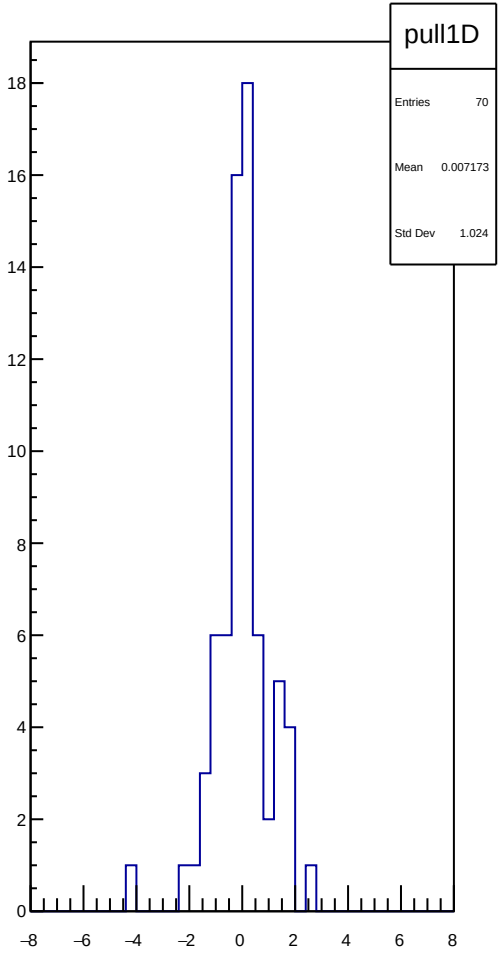

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 93.6 / 69
p0 32.79 ± 1.775
pull
Entries 70
Mean 263.9
Std Dev 0

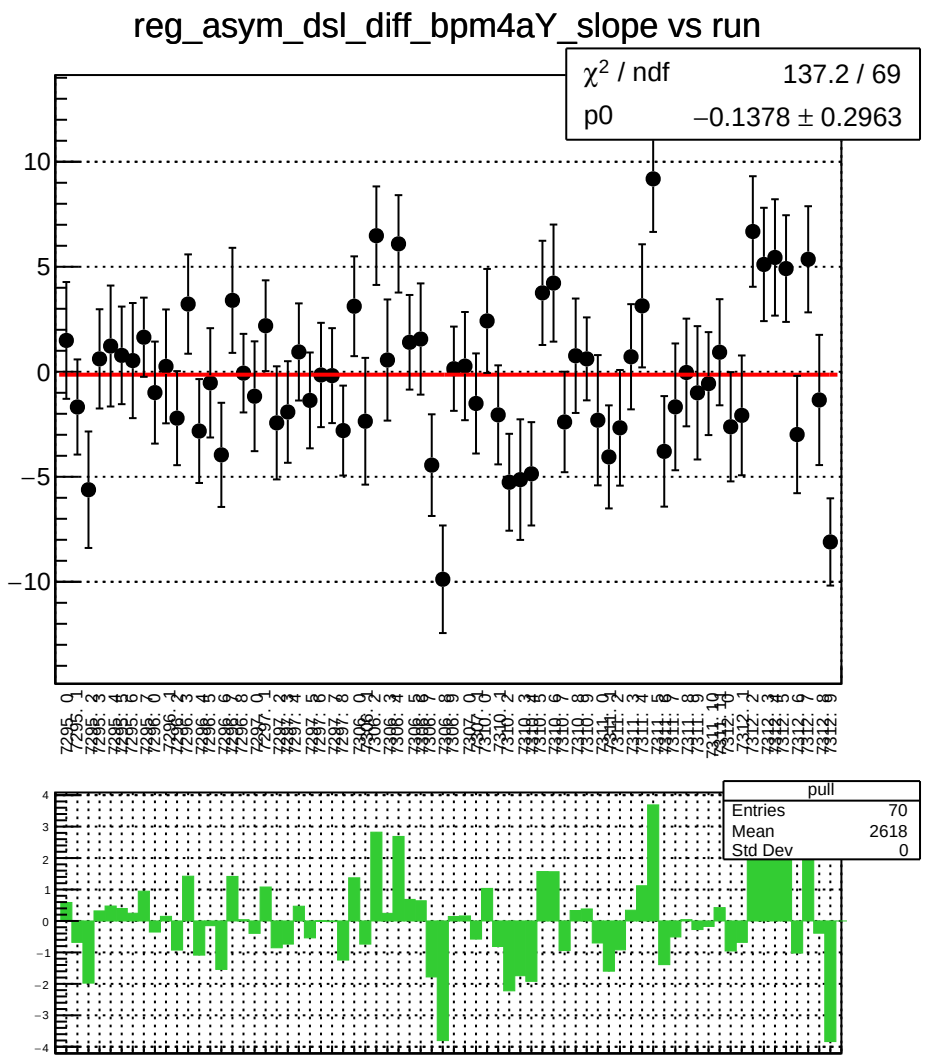

pull1D
Entries 70
Mean −0.06679
Std Dev 1.154

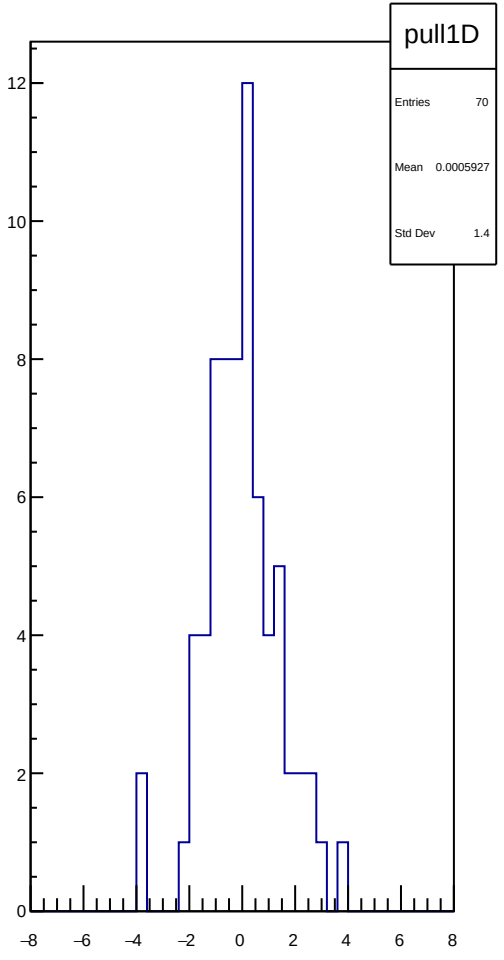

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 38.84 / 69
p0 −37.25 ± 0.07585
pull
Entries 70
Mean 2300
Std Dev 0

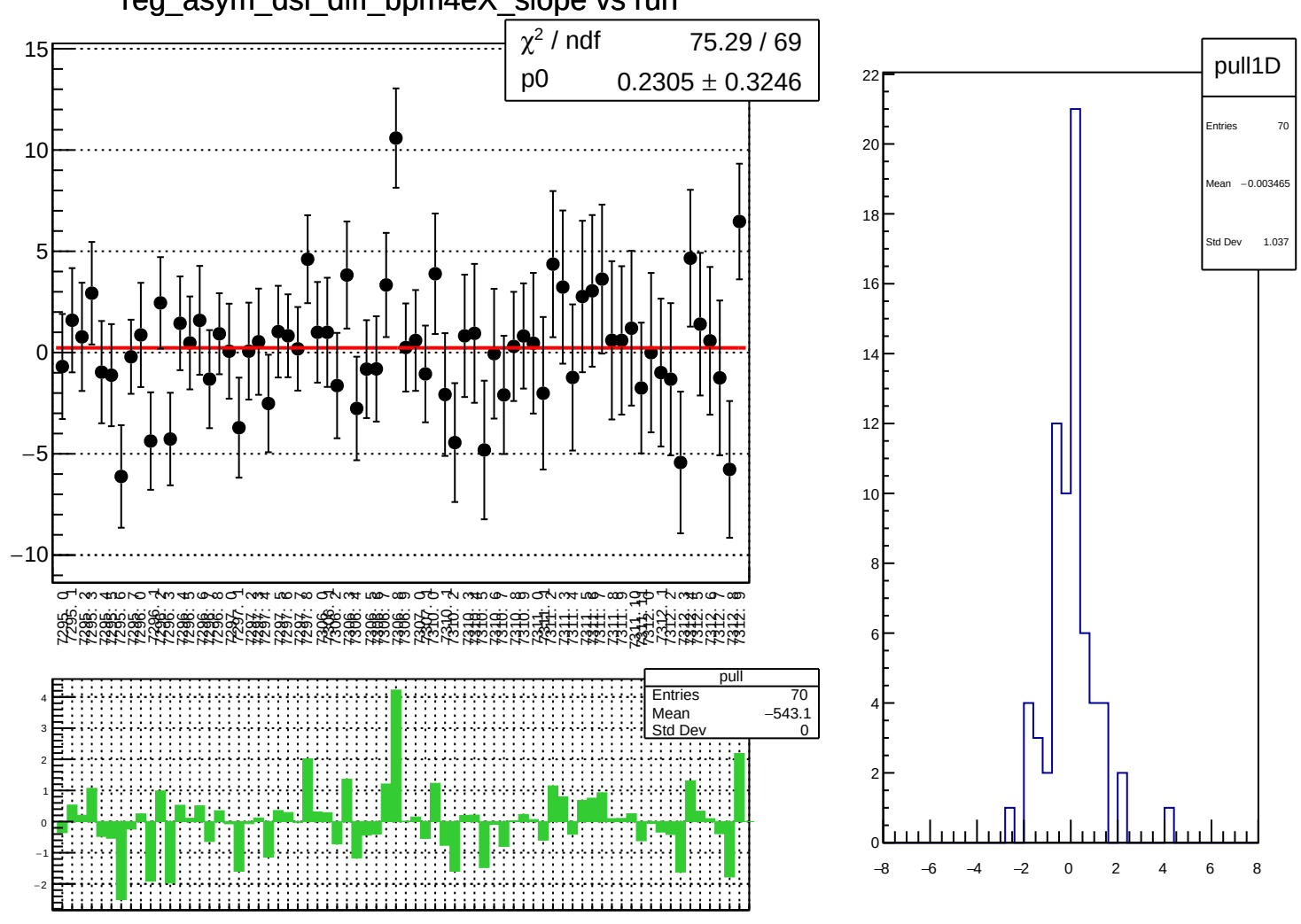

pull1D
Entries 70
Mean −0.002226
Std Dev 0.7449

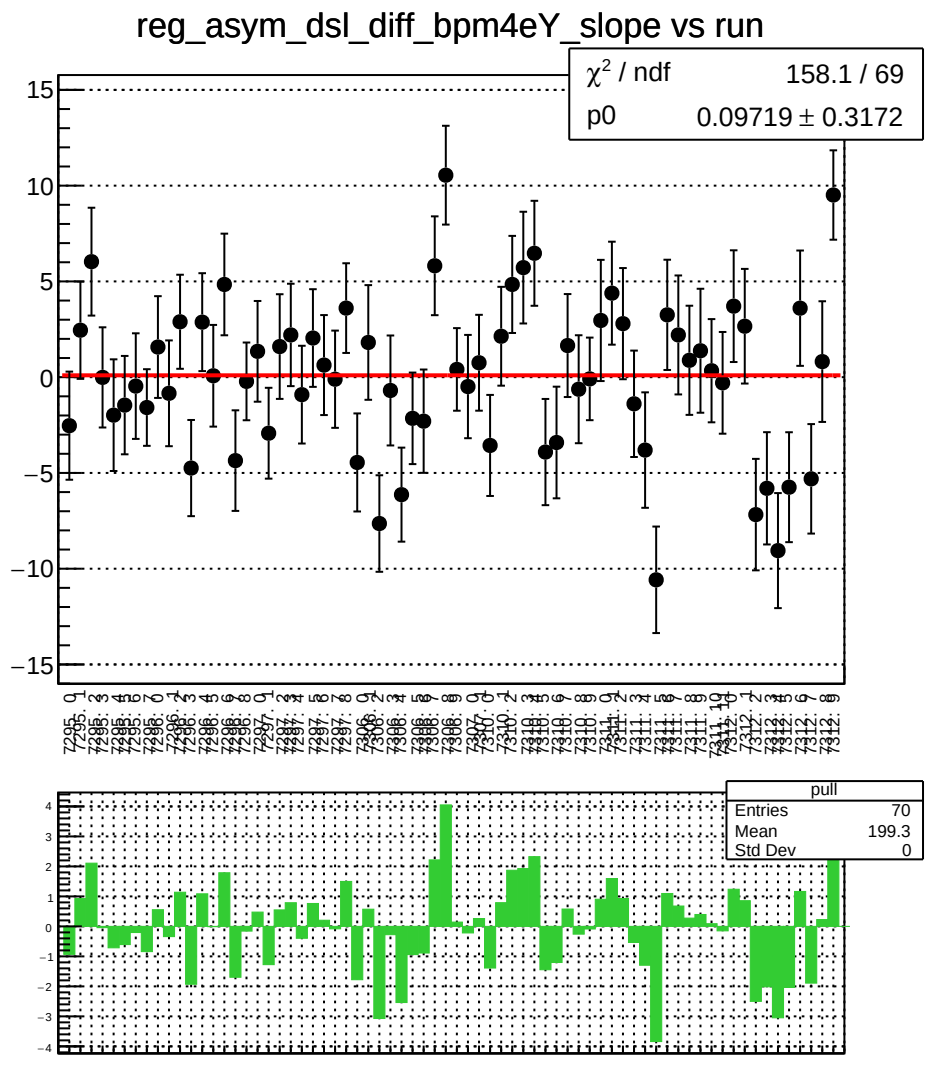

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 73.39 / 69
p0 −0.1774 ± 0.3286
pull
Entries 70
Mean −219.3
Std Dev 0

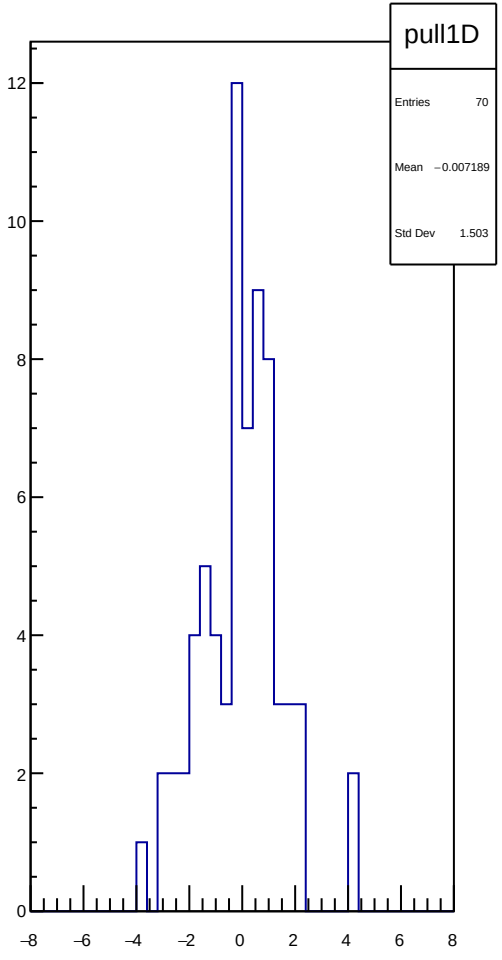

pull1D
Entries 70
Mean 0.007173
Std Dev 1.024

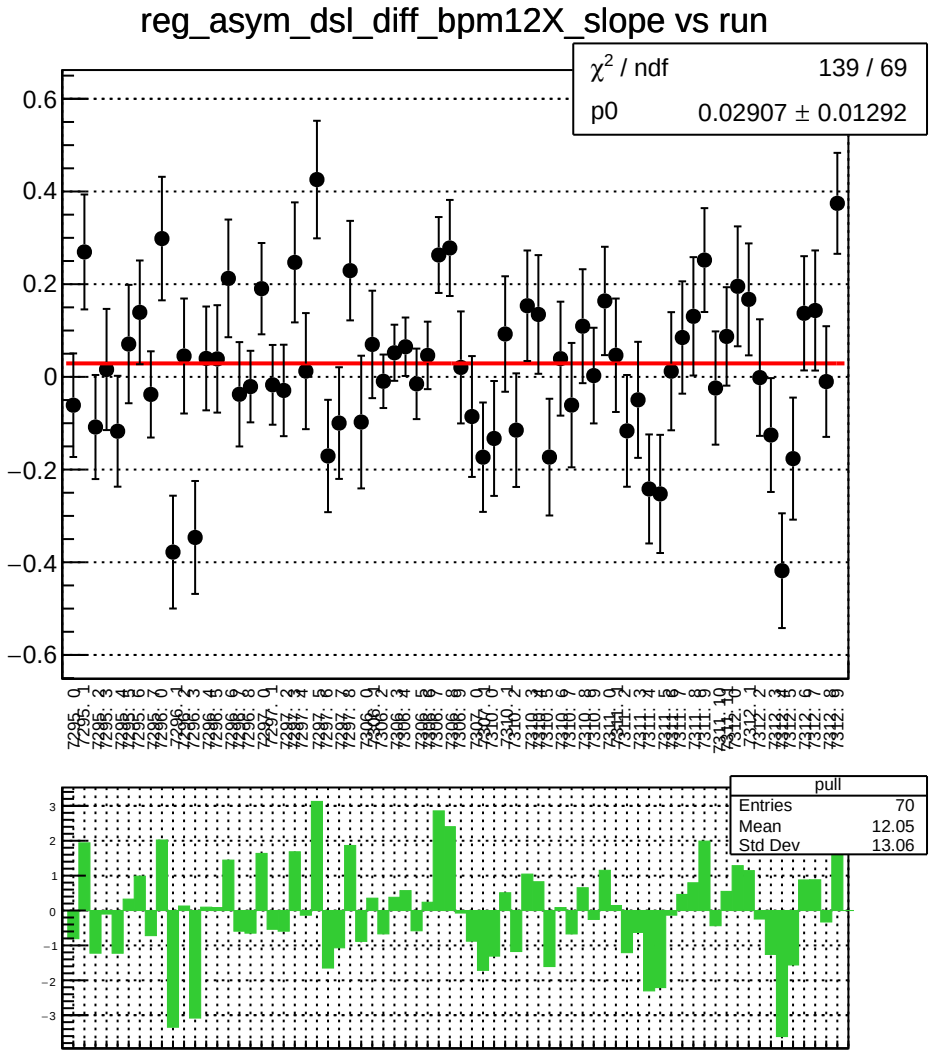

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 137.2 / 69
p0 −0.1378 ± 0.2963
pull
Entries 70
Mean 2618
Std Dev 0

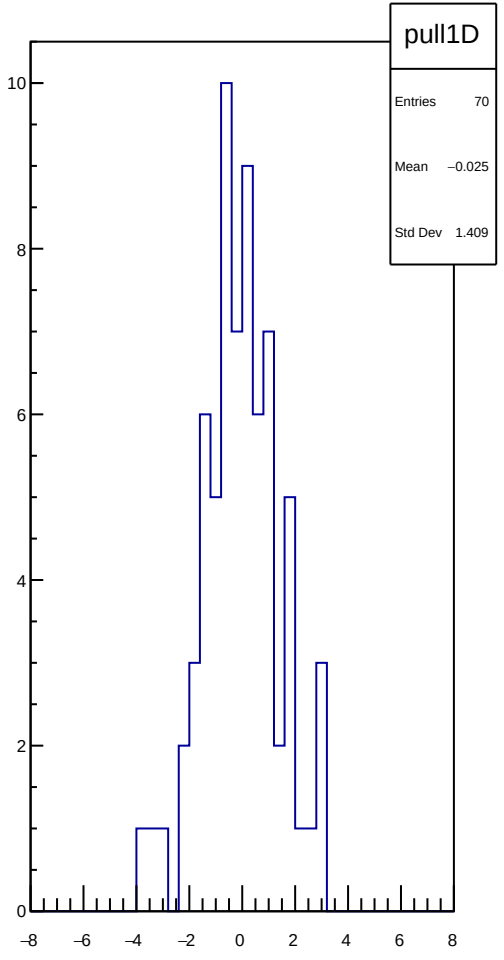

pull1D
Entries 70
Mean 0.0005927
Std Dev 1.4

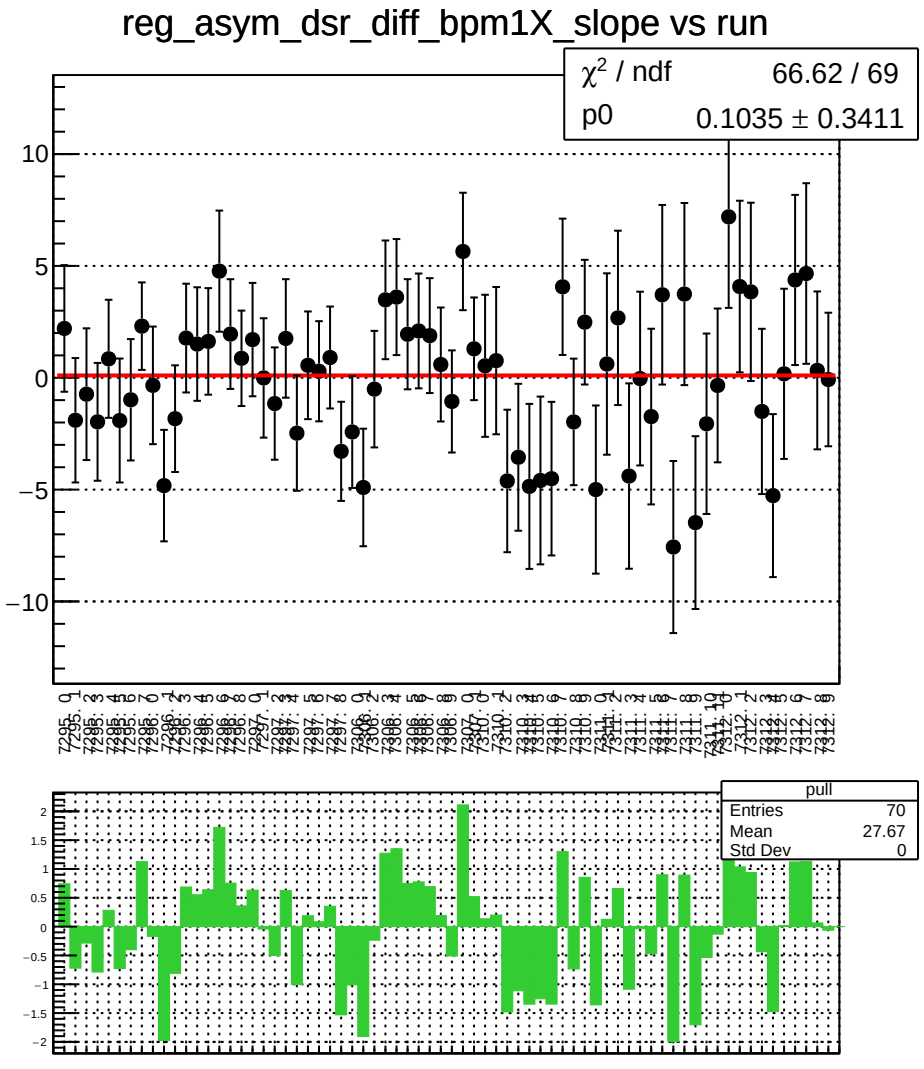

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 75.29 / 69
p0 0.2305 ± 0.3246
pull
Entries 70
Mean −543.1
Std Dev 0
pull1D
Entries 70
Mean −0.003465
Std Dev 1.037

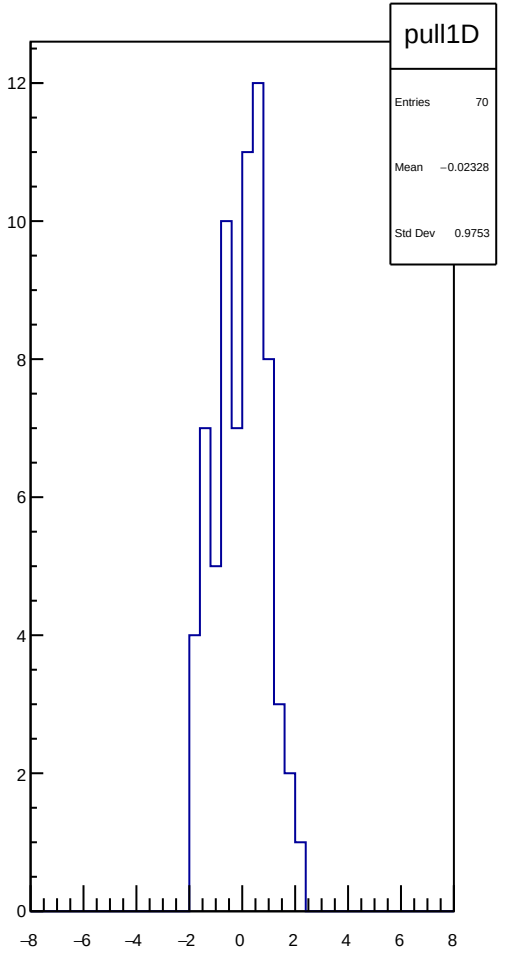

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 158.1 / 69
p0 0.09719 ± 0.3172
pull
Entries 70
Mean 199.3
Std Dev 0

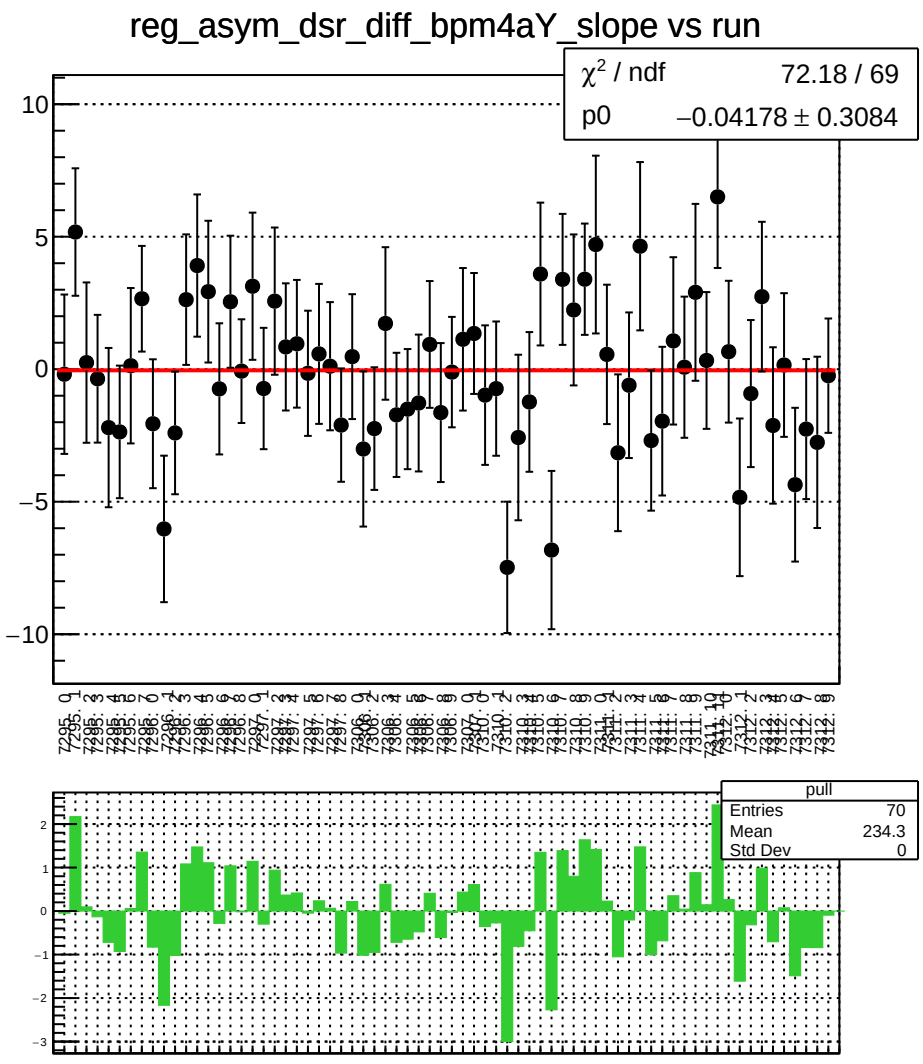

pull1D
Entries 70
Mean −0.007189
Std Dev 1.503

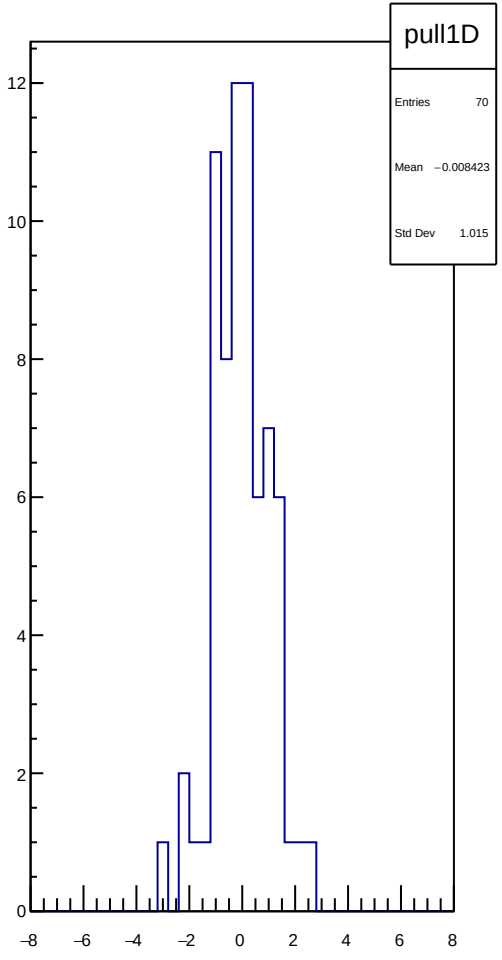

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 139 / 69
p0 0.02907 ± 0.01292
pull
Entries 70
Mean 12.05
Std Dev 13.06

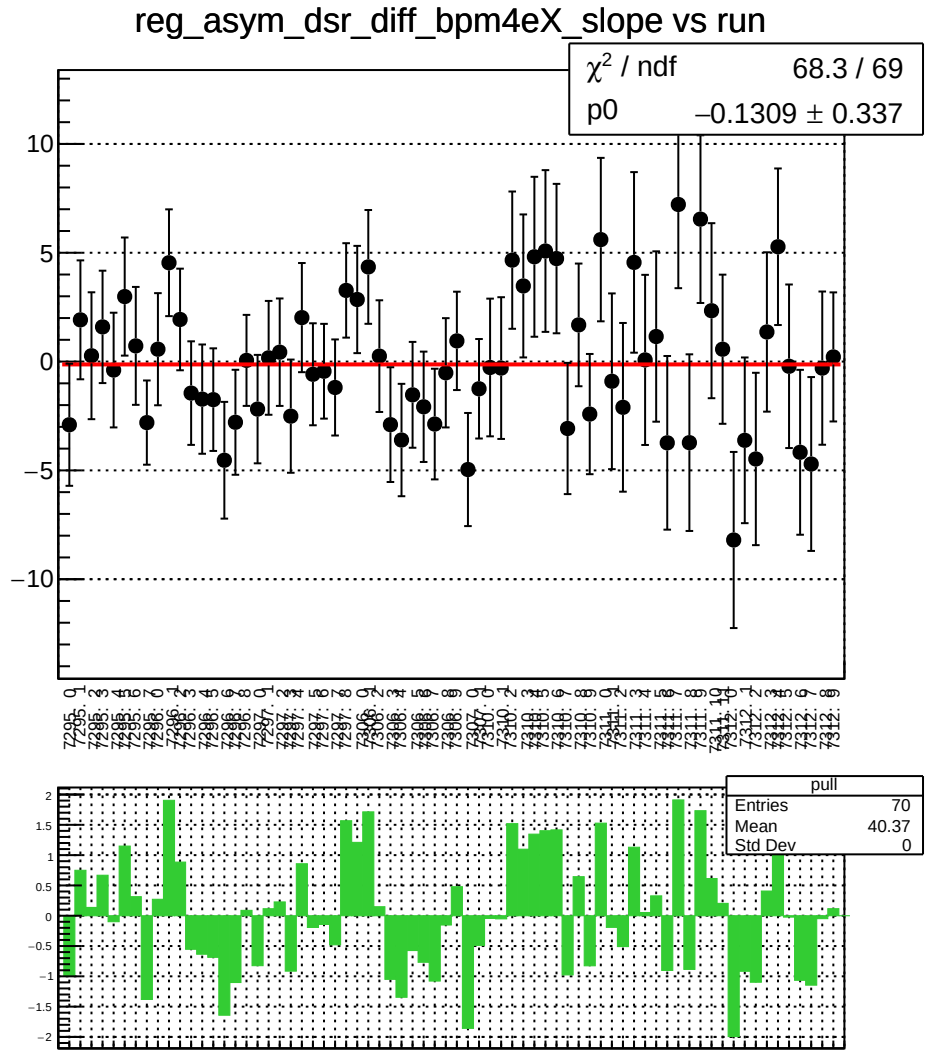

pull1D
Entries 70
Mean −0.025
Std Dev 1.409

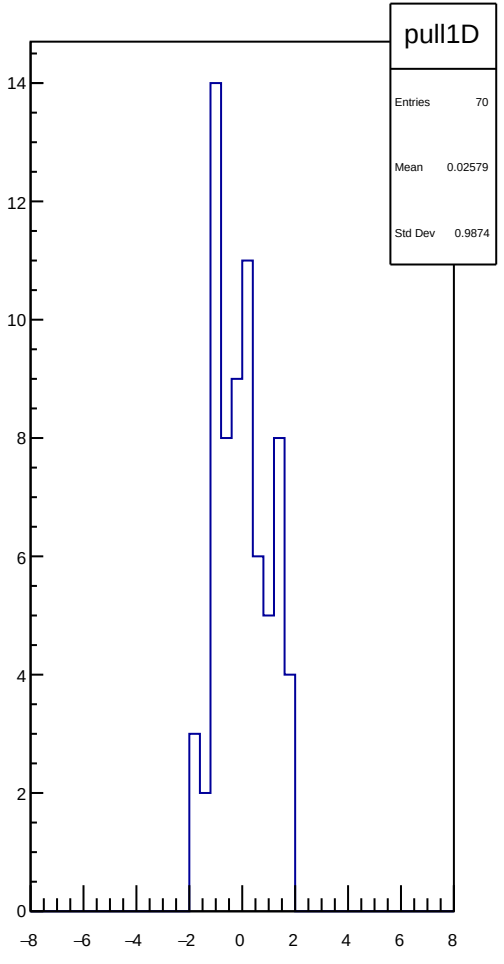

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 66.62 / 69
p0 0.1035 ± 0.3411
pull
Entries 70
Mean 27.67
Std Dev 0

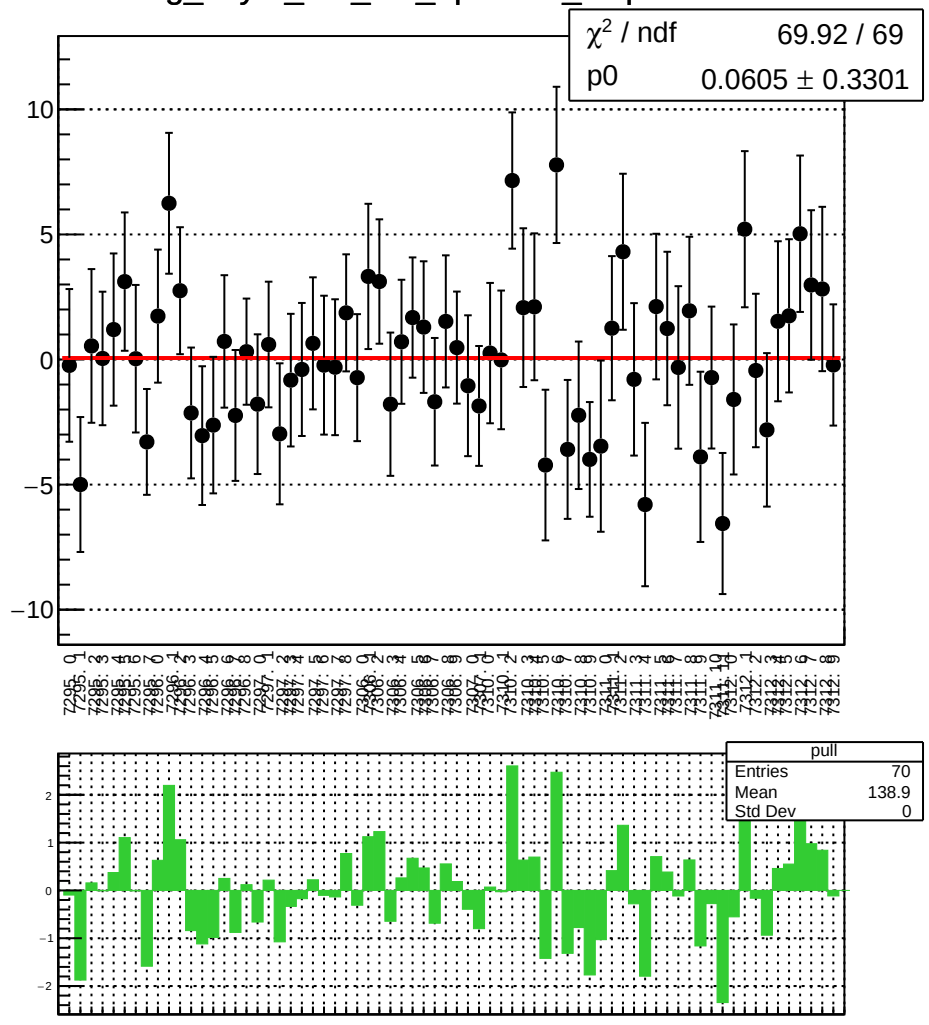

pull1D
Entries 70
Mean −0.02328
Std Dev 0.9753

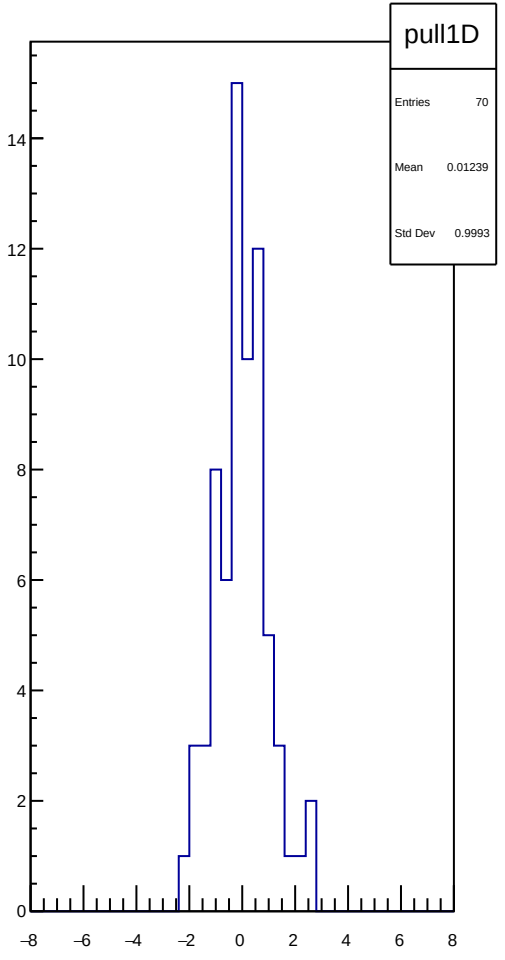

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 72.18 / 69
p0 −0.04178 ± 0.3084
pull
Entries 70
Mean 234.3
Std Dev 0

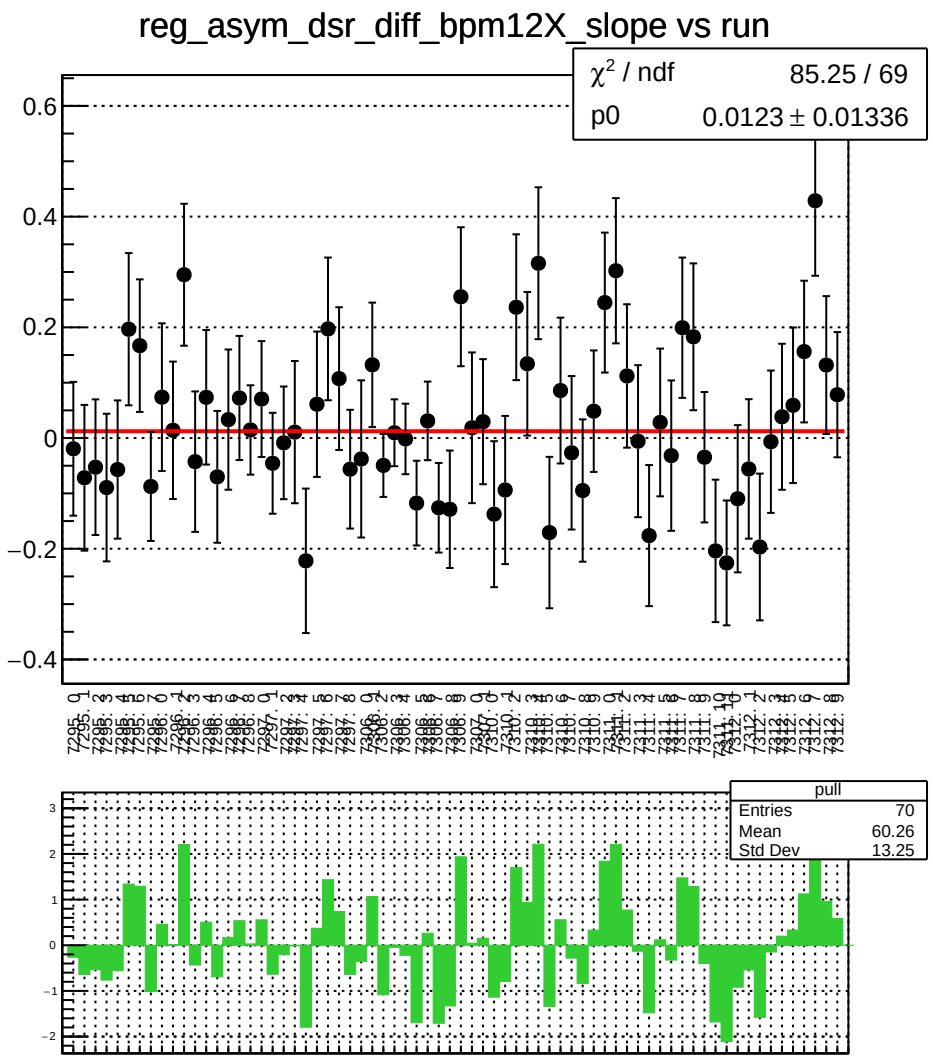

pull1D
Entries 70
Mean −0.008423
Std Dev 1.015

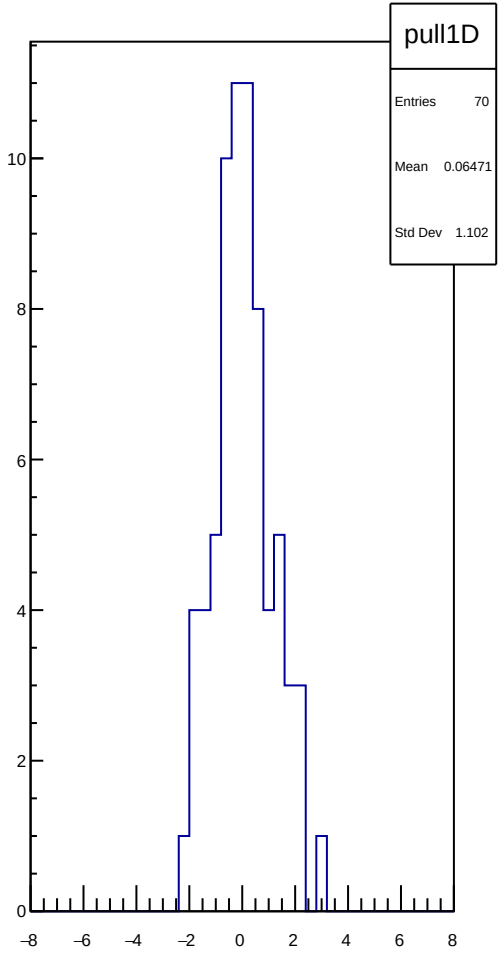

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 68.3 / 69
p0 −0.1309 ± 0.337
pull
Entries 70
Mean 40.37
Std Dev 0

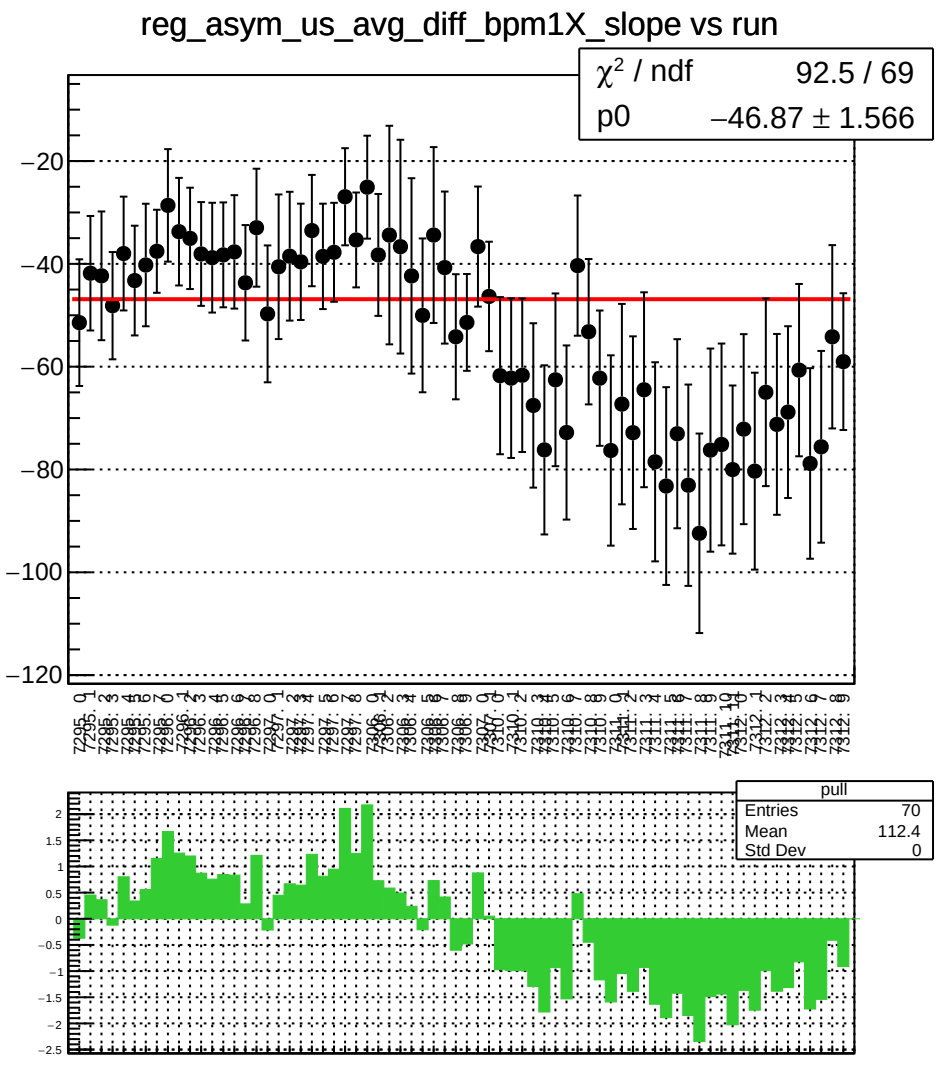

pull1D
Entries 70
Mean 0.02579
Std Dev 0.9874

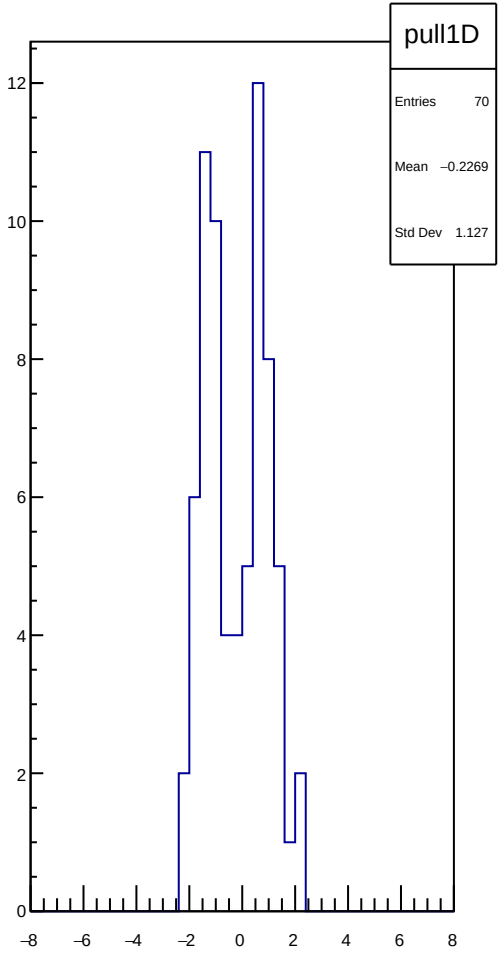

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 69.92 / 69
p0 0.0605 ± 0.3301
pull
Entries 70
Mean 138.9
Std Dev 0

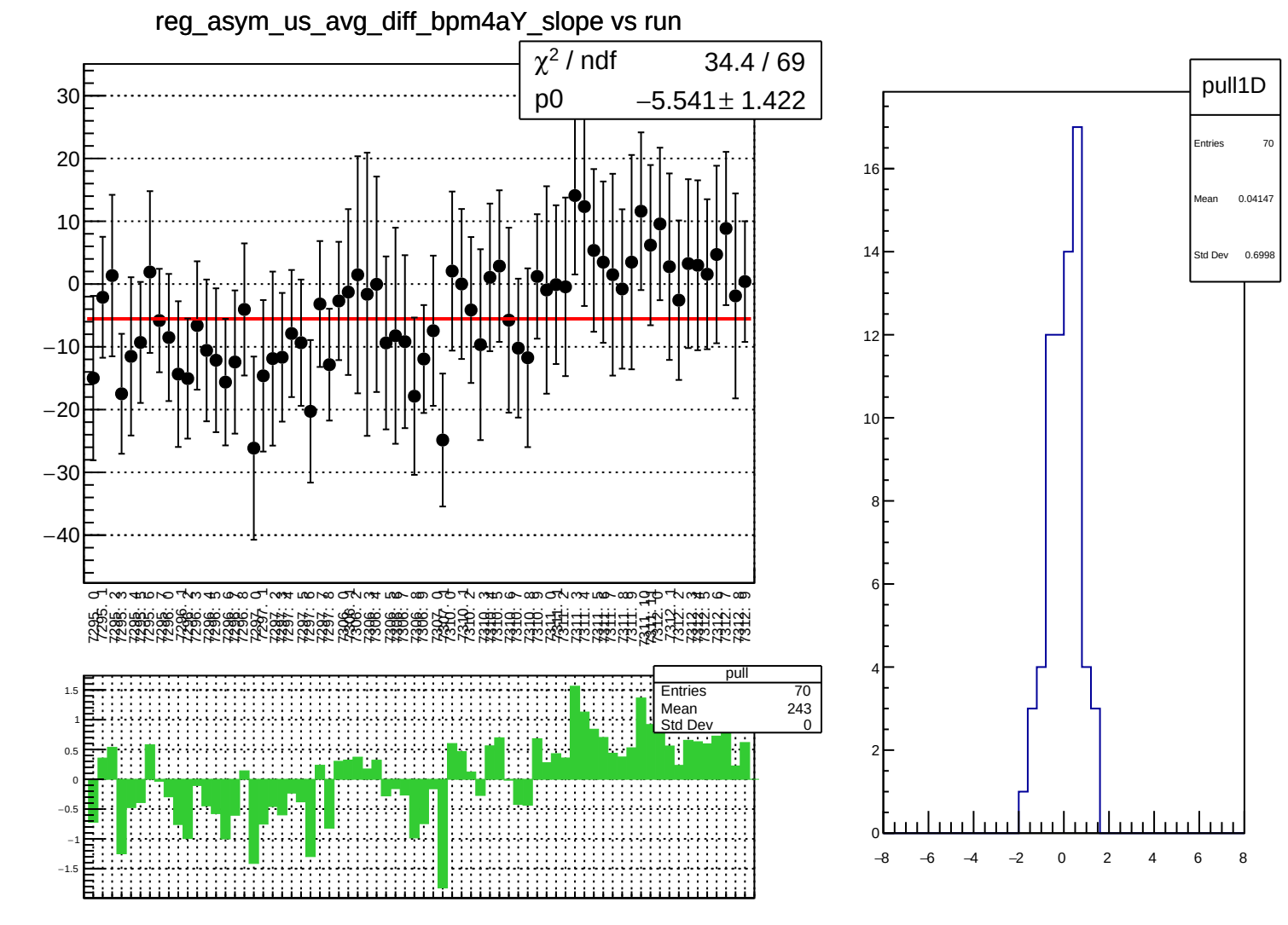

pull1D
Entries 70
Mean 0.01239
Std Dev 0.9993

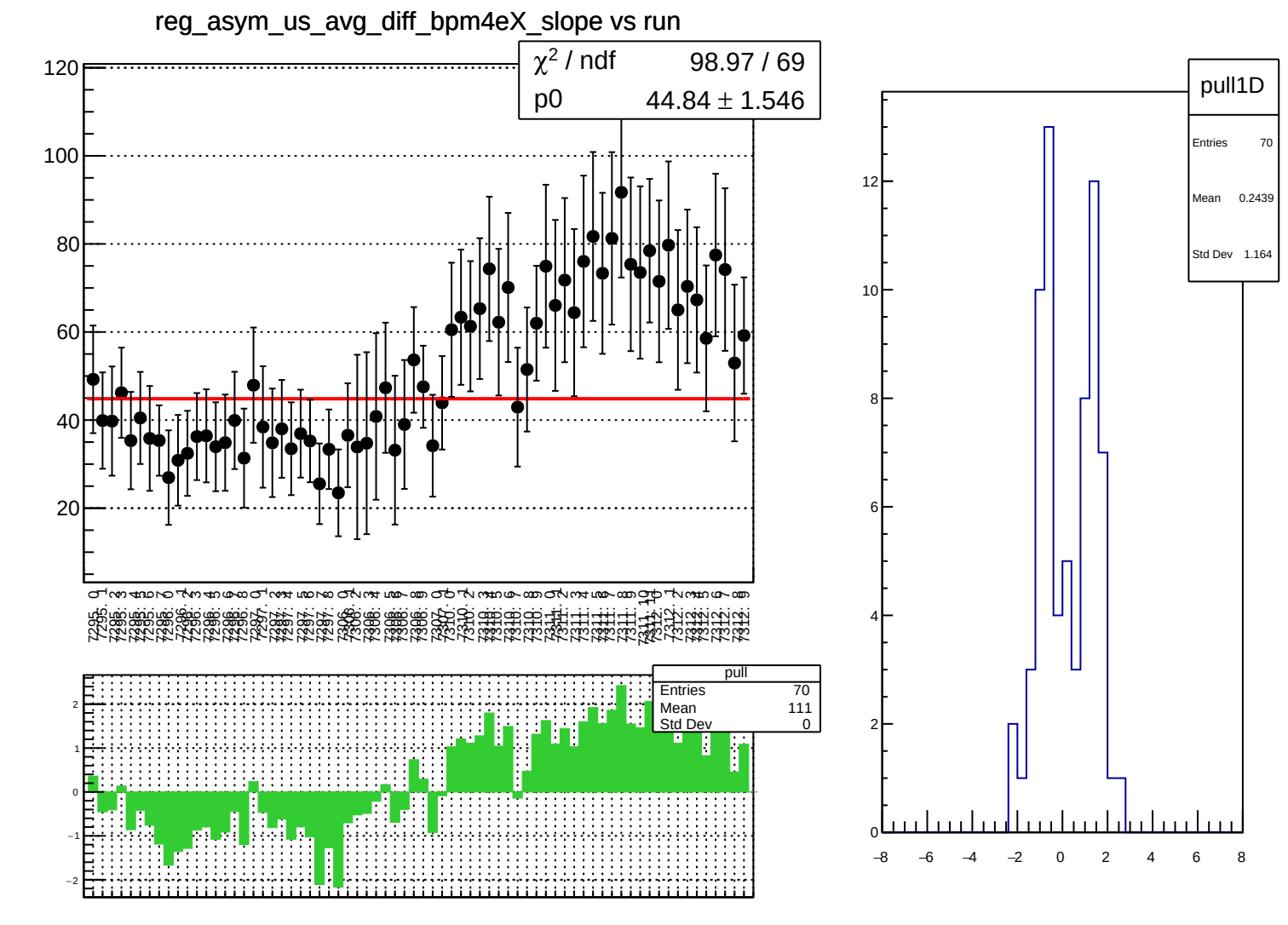

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.25 / 69
p0 0.0123 ± 0.01336
pull
Entries 70
Mean 60.26
Std Dev 13.25

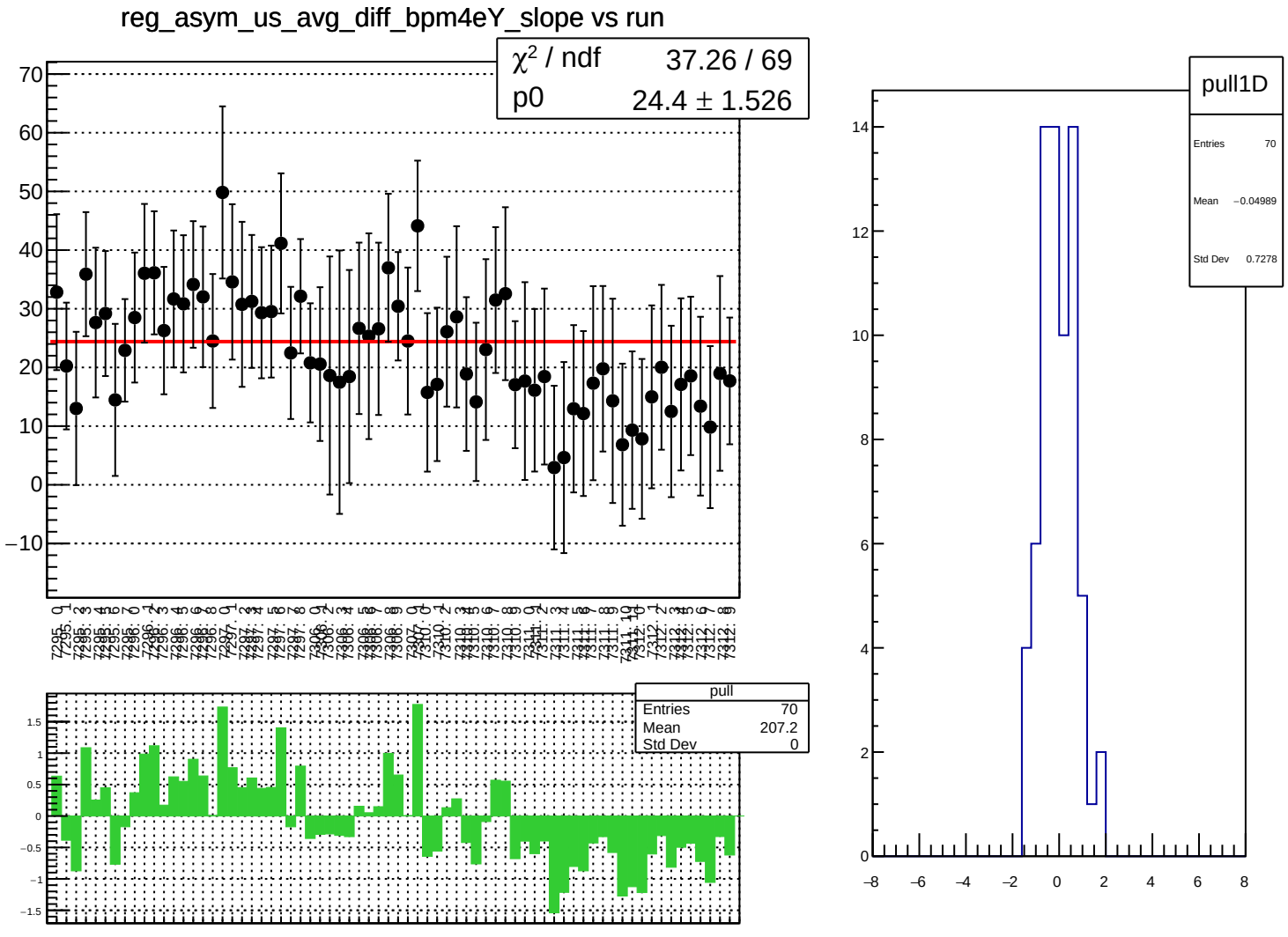

pull1D
Entries 70
Mean 0.06471
Std Dev 1.102

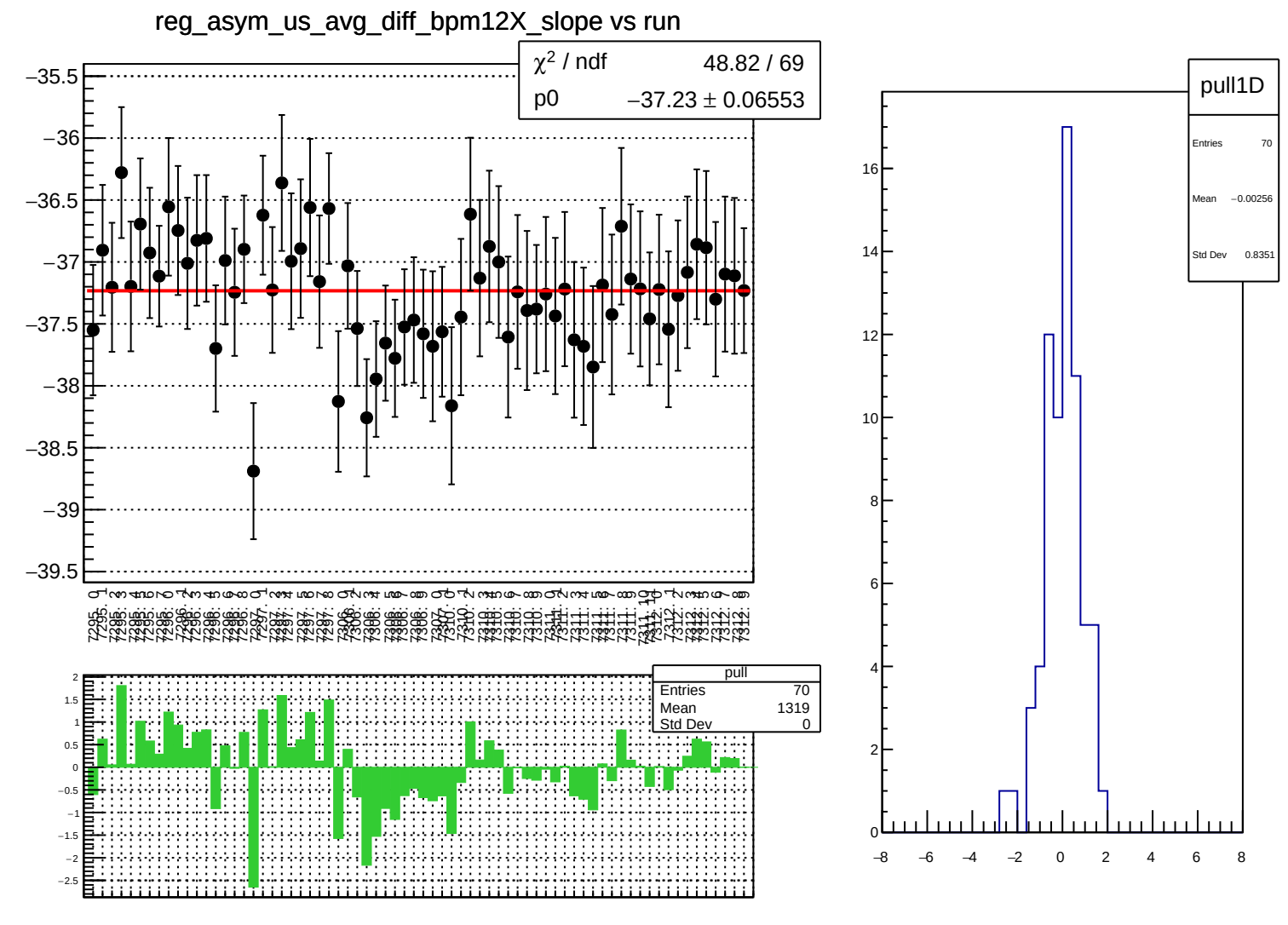

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 92.5 / 69
p0 −46.87 ± 1.566
pull
Entries 70
Mean 112.4
Std Dev 0

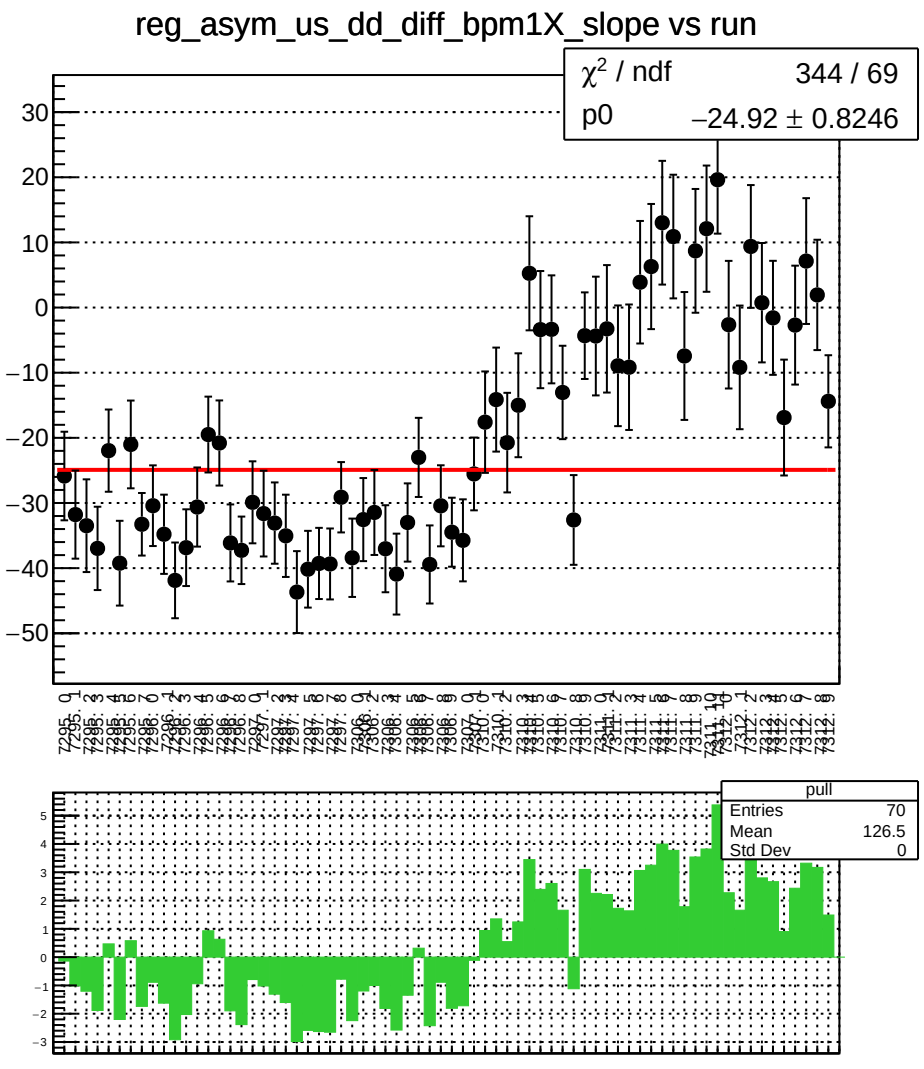

pull1D
Entries 70
Mean −0.2269
Std Dev 1.127

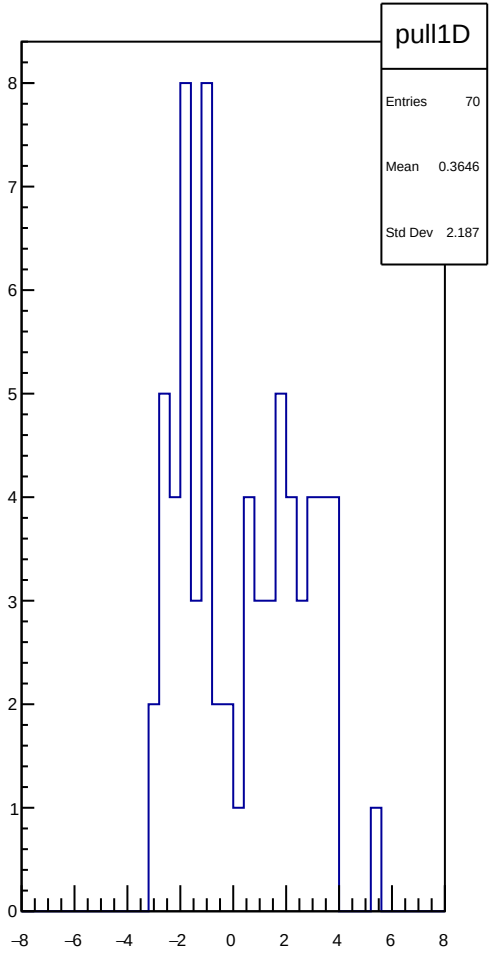

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.4 / 69
p0 −5.541 ± 1.422
pull
Entries 70
Mean 243
Std Dev 0
pull1D
Entries 70
Mean 0.04147
Std Dev 0.6998

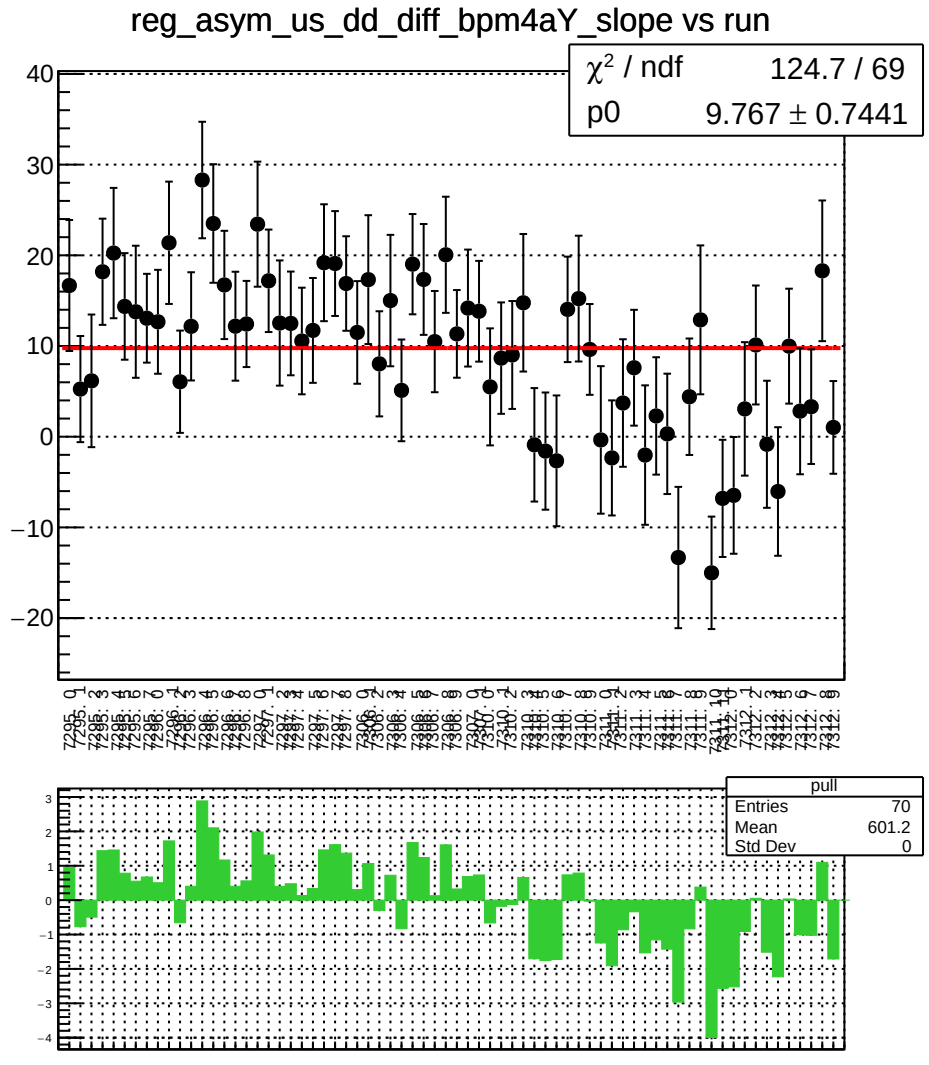

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.97 / 69
p0 44.84 ± 1.546
pull
Entries 70
Mean 111
Std Dev 0
pull1D
Entries 70
Mean 0.2439
Std Dev 1.164

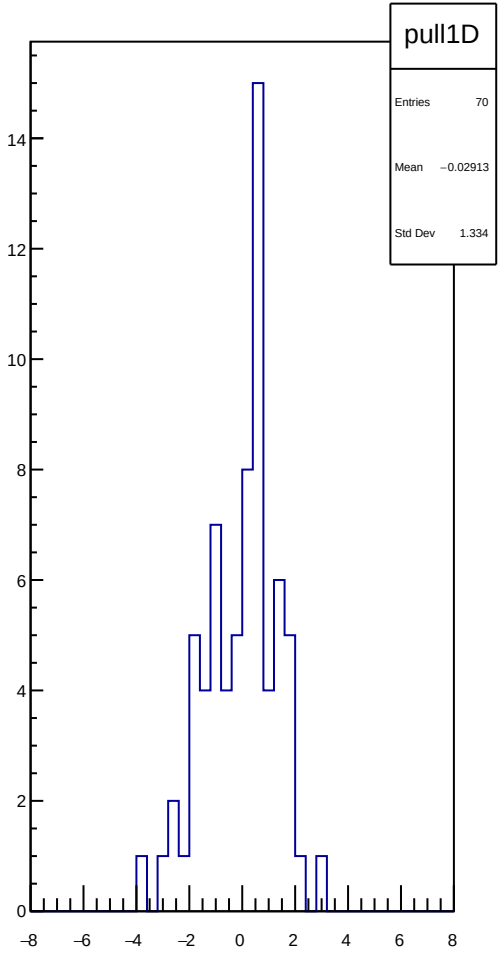

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 37.26 / 69
p0 24.4 ± 1.526
pull
Entries 70
Mean 207.2
Std Dev 0
pull1D
Entries 70
Mean −0.04989
Std Dev 0.7278

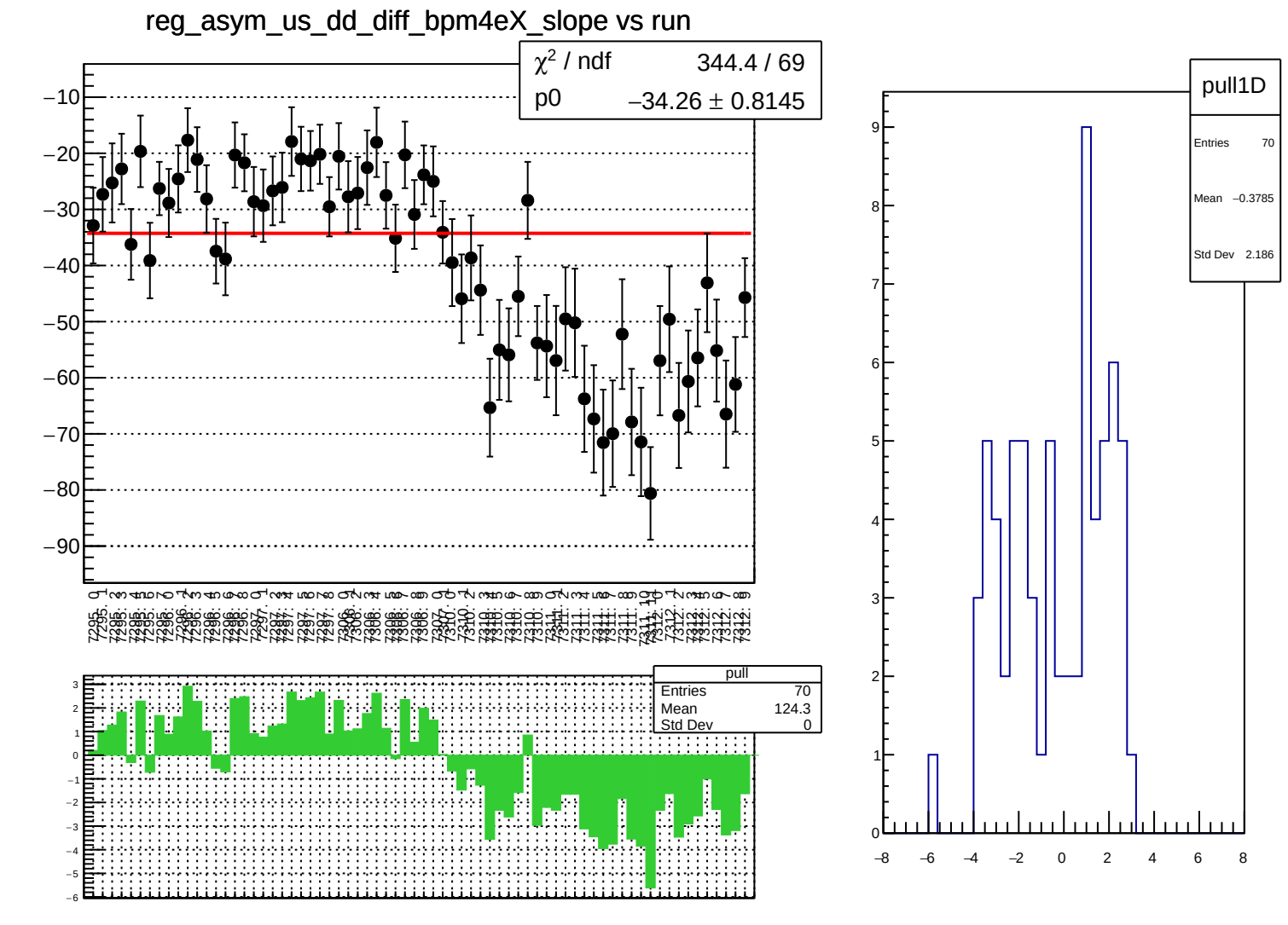

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 48.82 / 69
p0 −37.23 ± 0.06553
pull
Entries 70
Mean 1319
Std Dev 0
pull1D
Entries 70
Mean −0.00256
Std Dev 0.8351

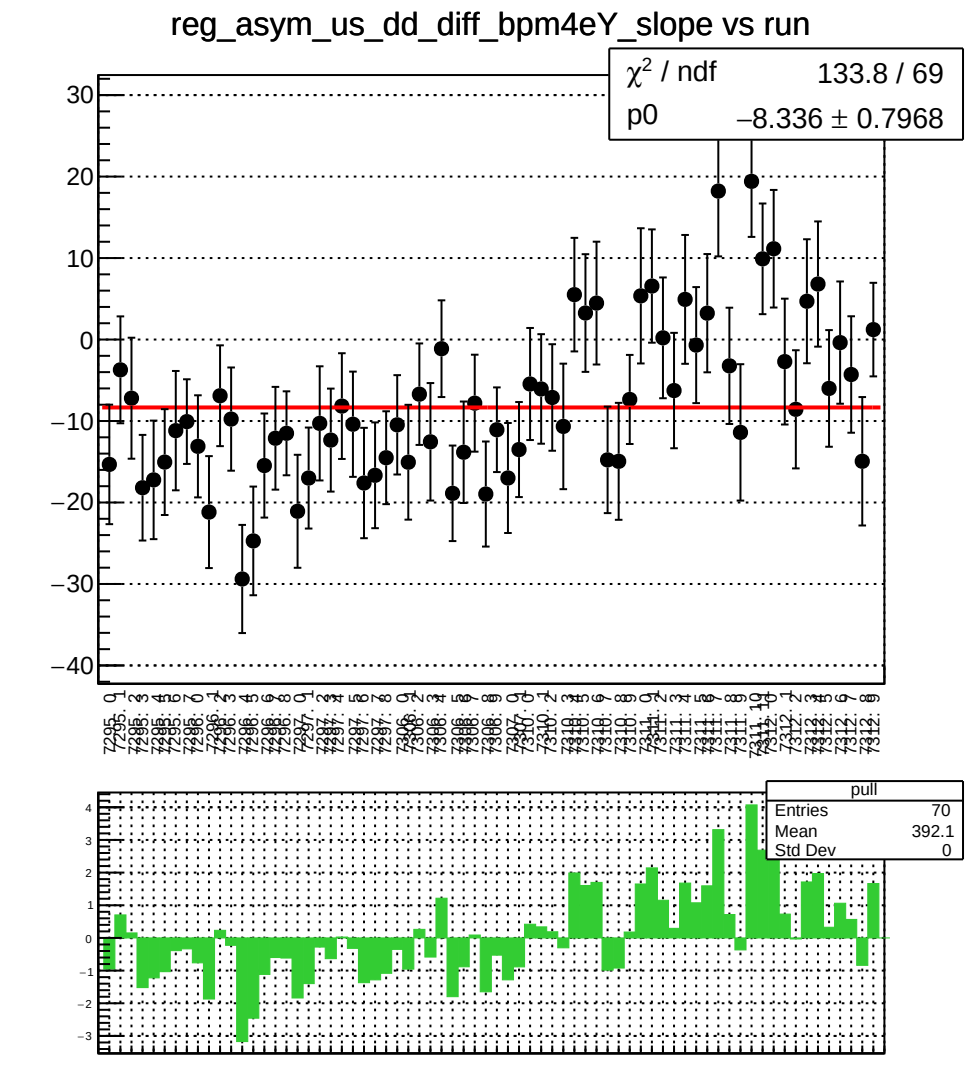

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 344 / 69
p0 −24.92 ± 0.8246
pull
Entries 70
Mean 126.5
Std Dev 0

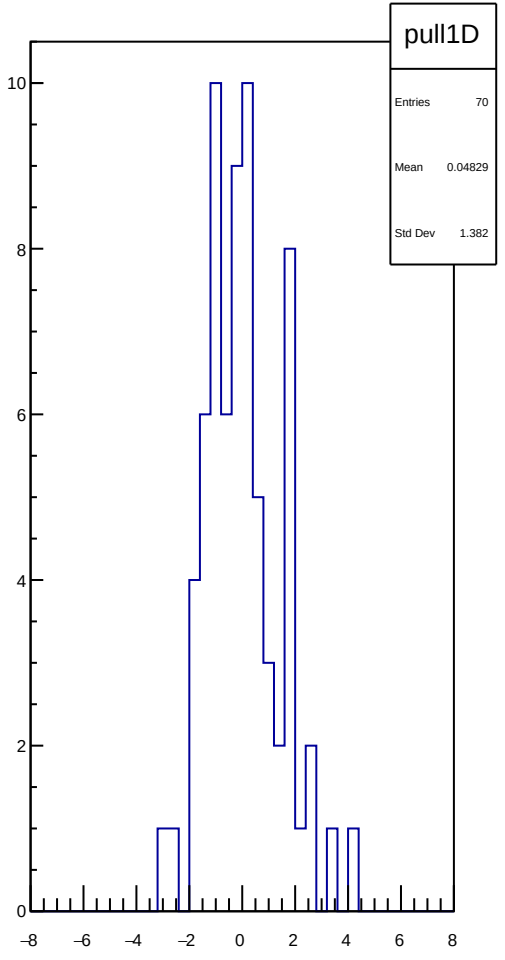

pull1D
Entries 70
Mean 0.3646
Std Dev 2.187

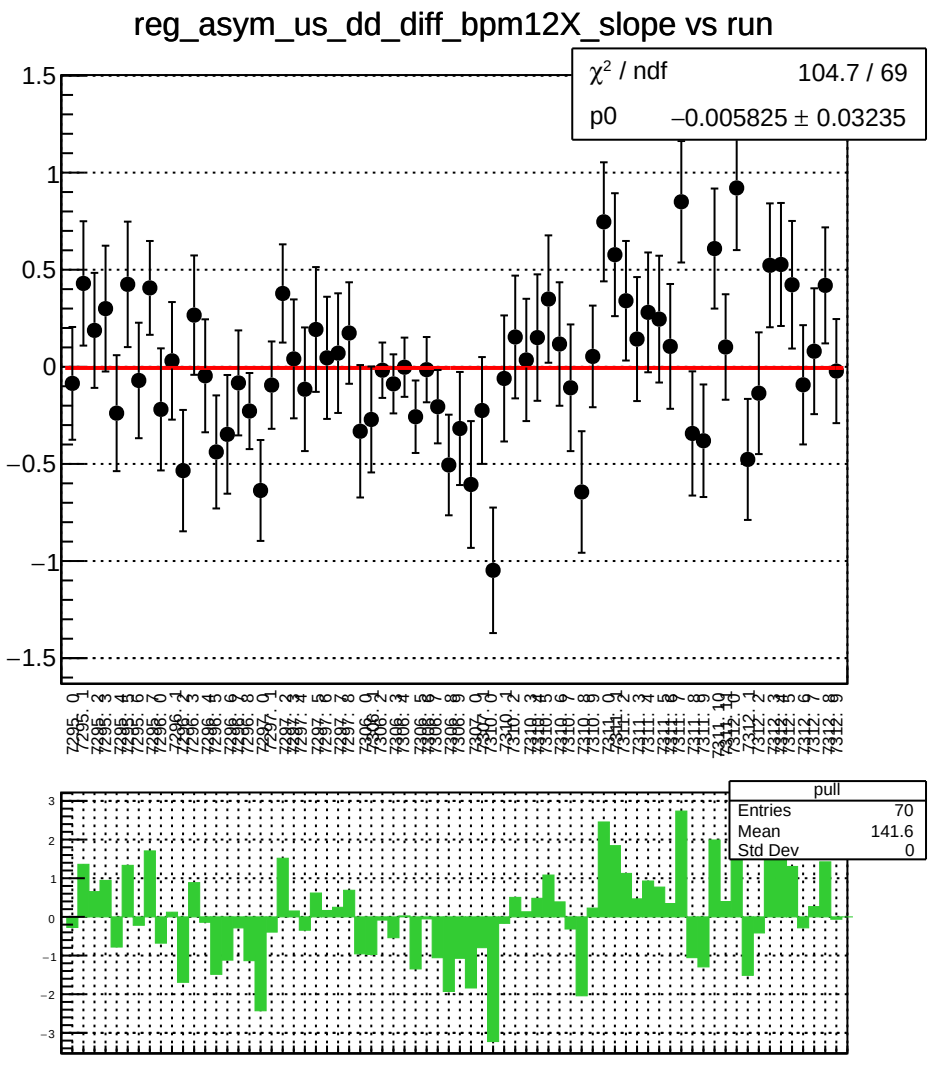

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 124.7 / 69
p0 9.767 ± 0.7441
pull
Entries 70
Mean 601.2
Std Dev 0

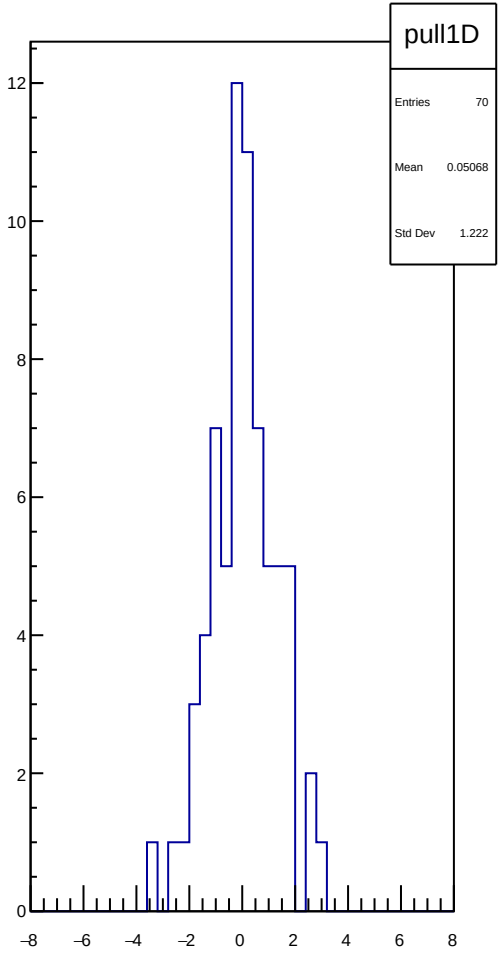

pull1D
Entries 70
Mean −0.02913
Std Dev 1.334

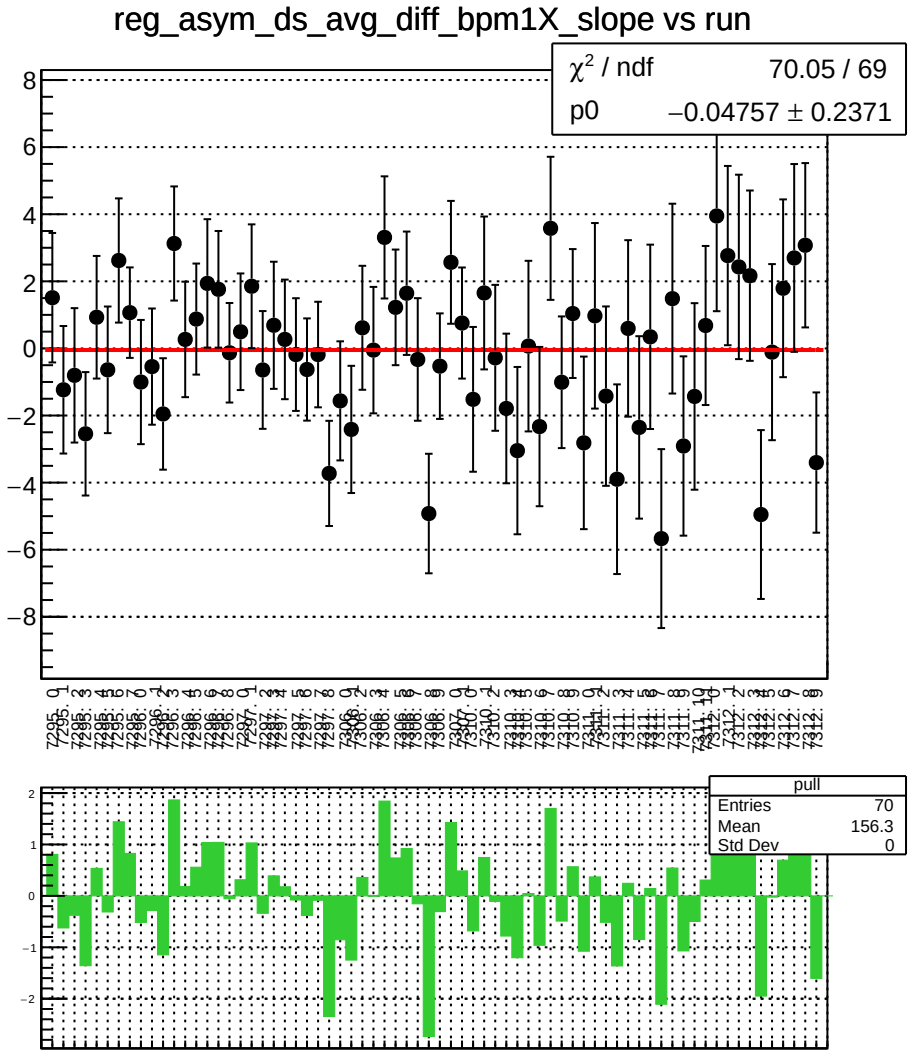

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 344.4 / 69
p0 −34.26 ± 0.8145
pull
Entries 70
Mean 124.3
Std Dev 0
pull1D
Entries 70
Mean −0.3785
Std Dev 2.186

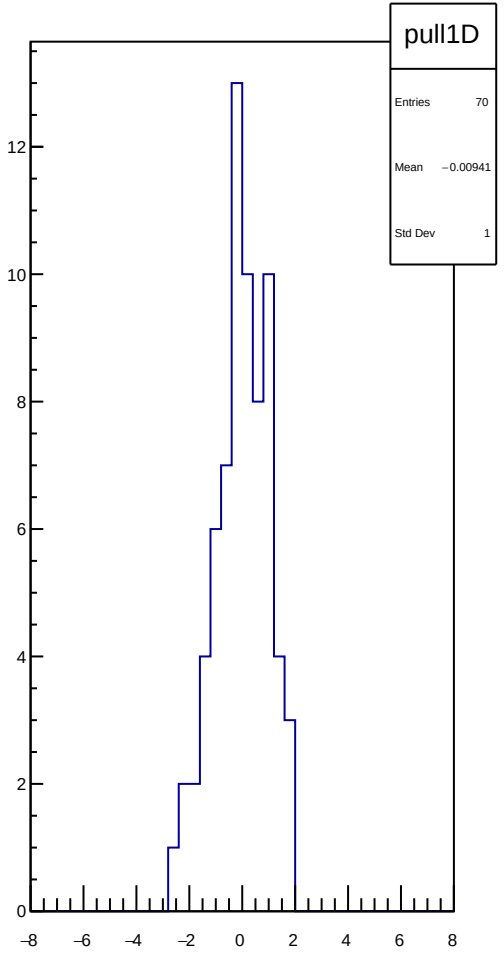

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 133.8 / 69
p0 −8.336 ± 0.7968
pull
Entries 70
Mean 392.1
Std Dev 0

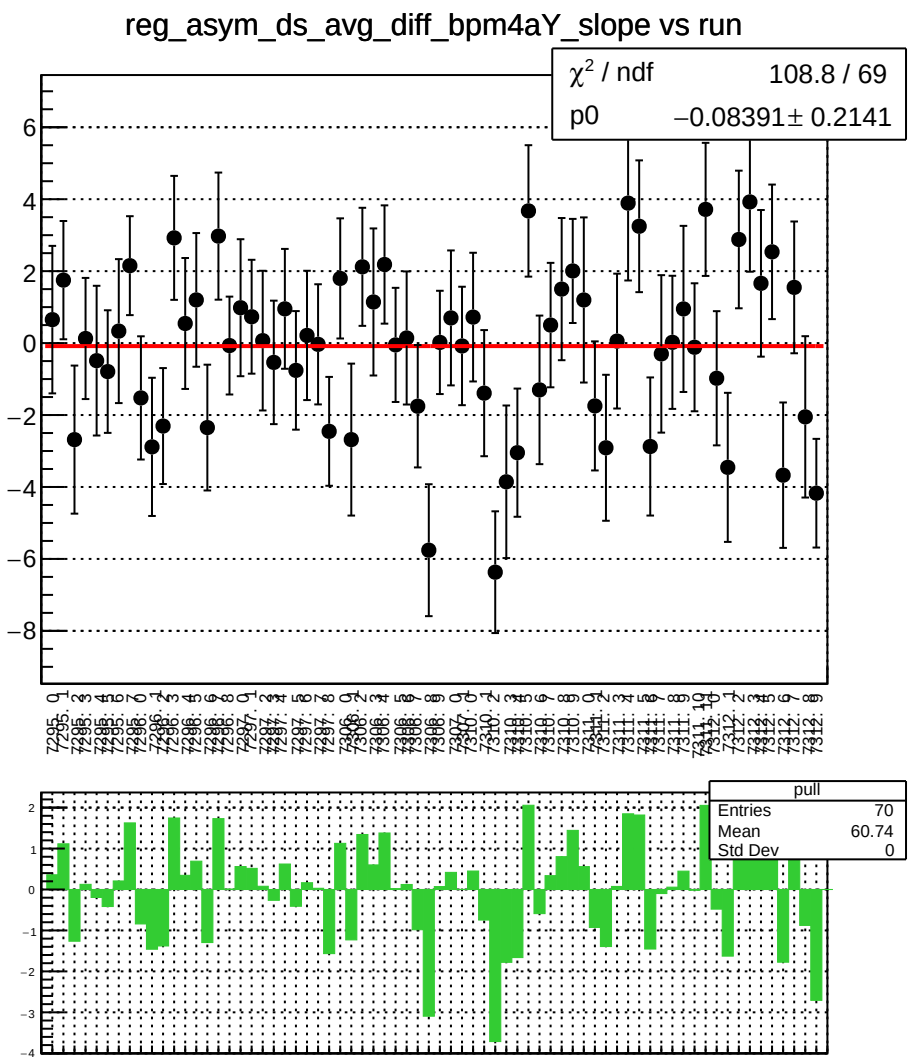

pull1D
Entries 70
Mean 0.04829
Std Dev 1.382

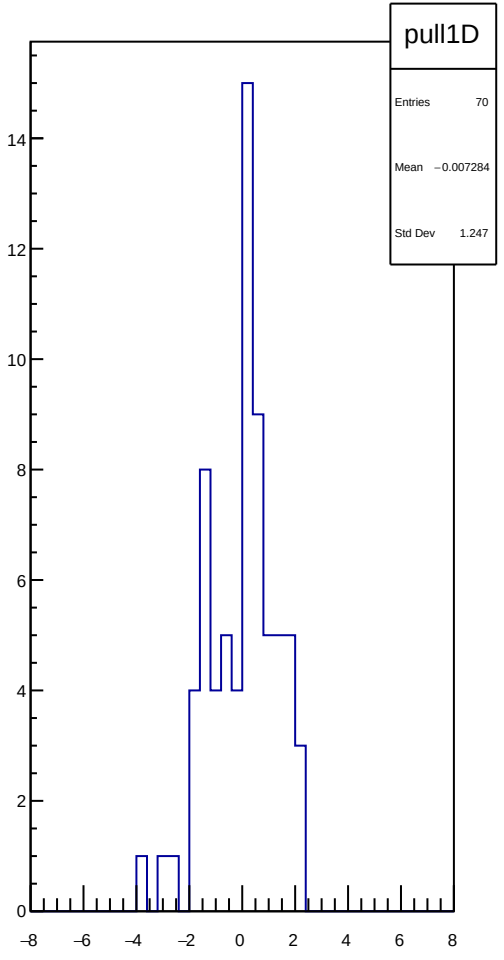

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 104.7 / 69
p0 −0.005825 ± 0.03235
pull
Entries 70
Mean 141.6
Std Dev 0

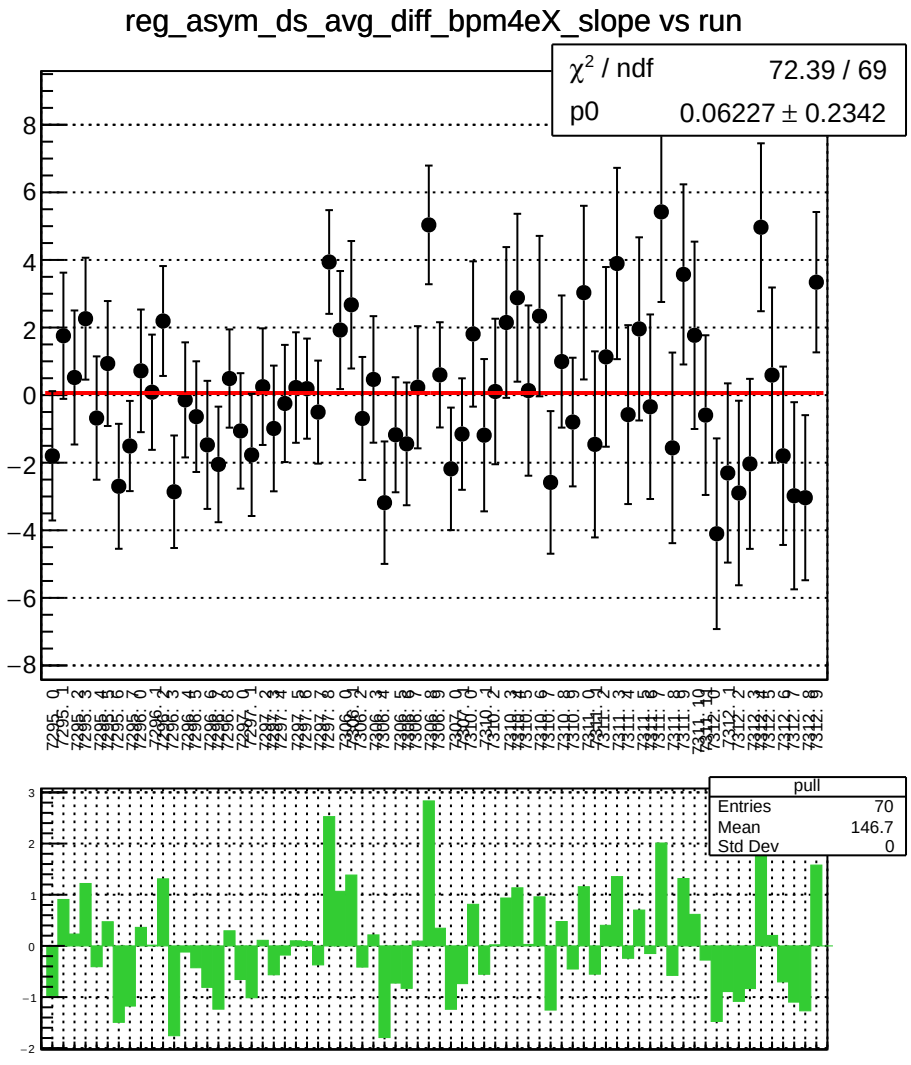

pull1D
Entries 70
Mean 0.05068
Std Dev 1.222

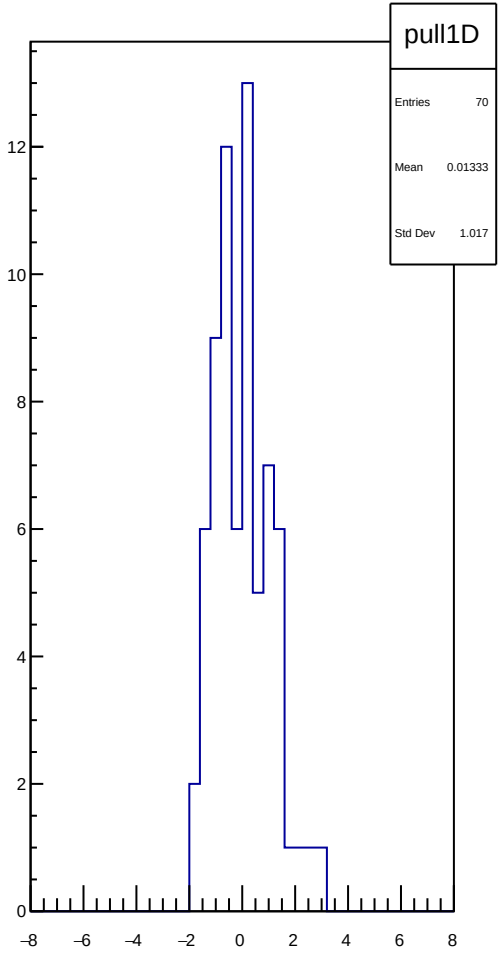

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 70.05 / 69
p0 −0.04757 ± 0.2371
pull
Entries 70
Mean 156.3
Std Dev 0

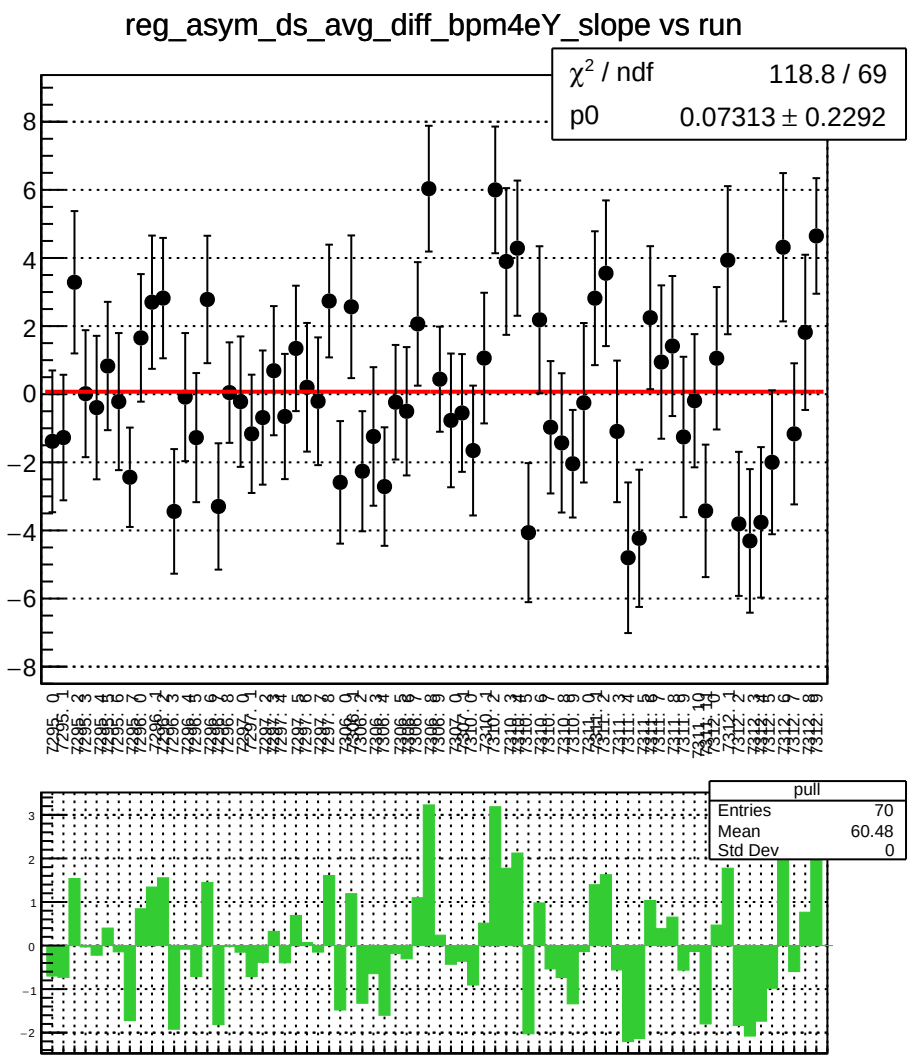

pull1D
Entries 70
Mean −0.00941
Std Dev 1

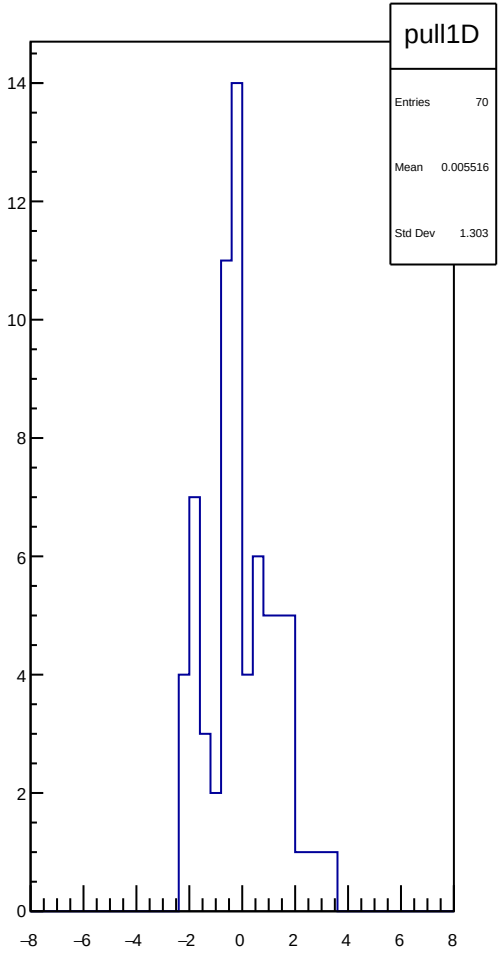

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 108.8 / 69
p0 −0.08391 ± 0.2141
pull
Entries 70
Mean 60.74
Std Dev 0

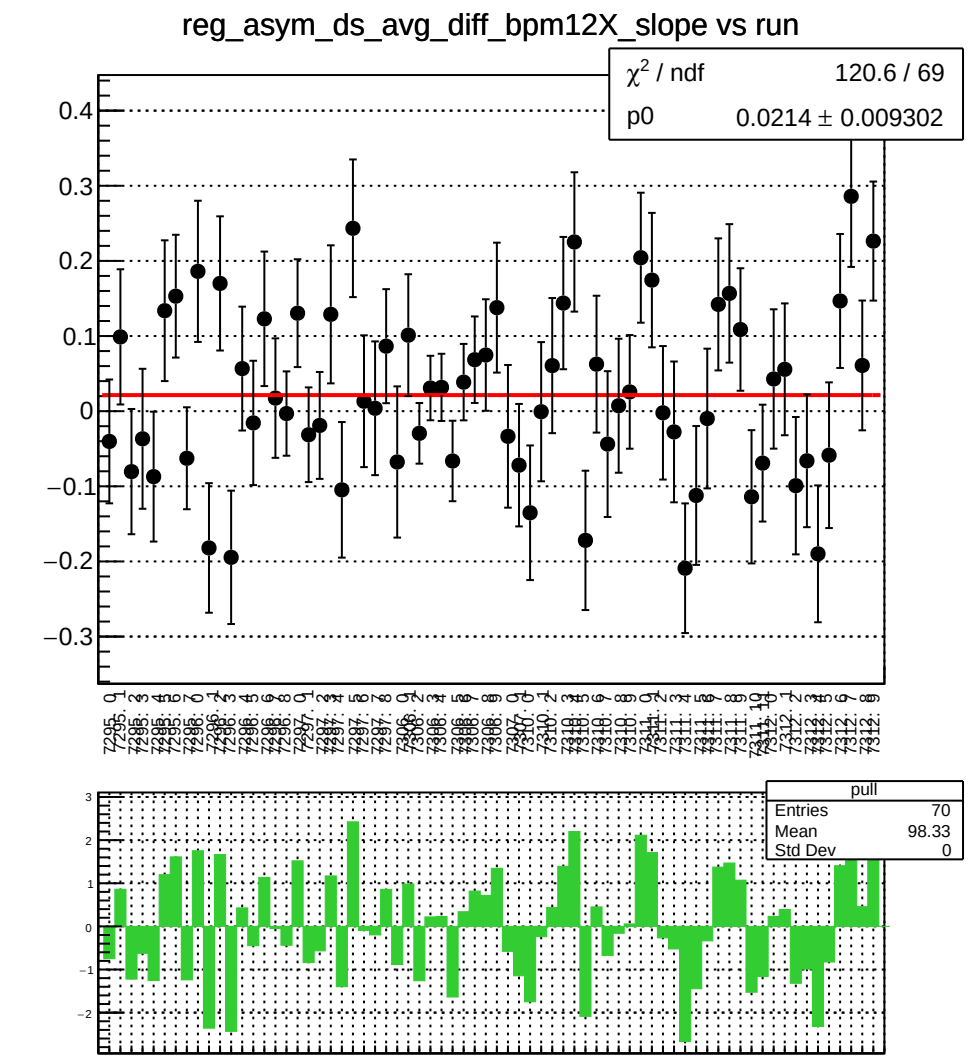

pull1D
Entries 70
Mean −0.007284
Std Dev 1.247

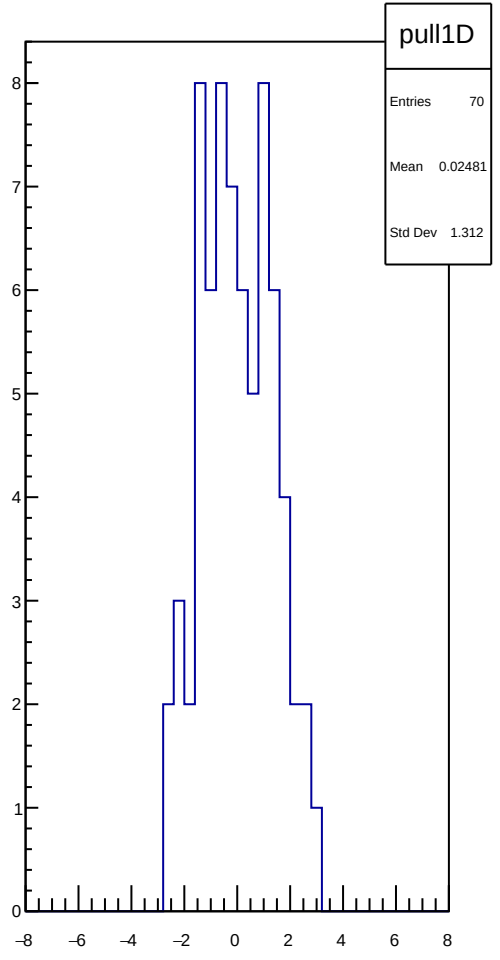

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 72.39 / 69
p0 0.06227 ± 0.2342
pull
Entries 70
Mean 146.7
Std Dev 0

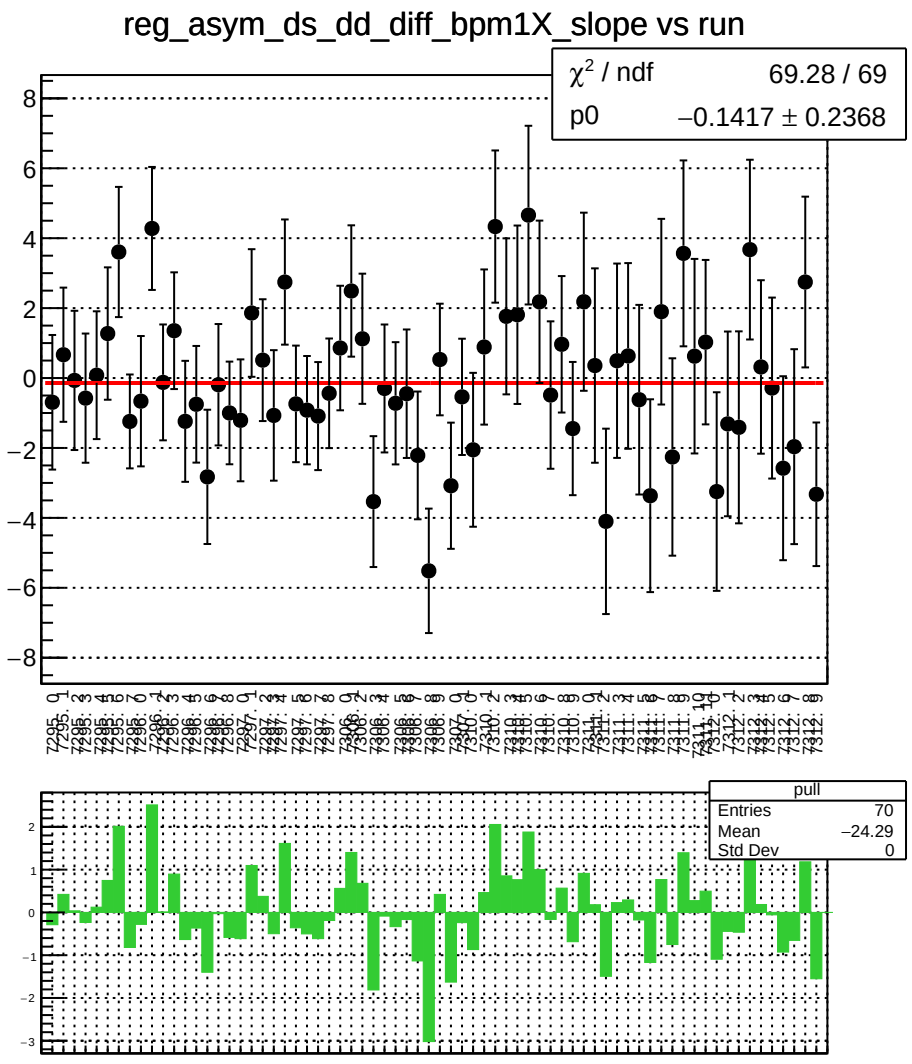

pull1D
Entries 70
Mean 0.01333
Std Dev 1.017

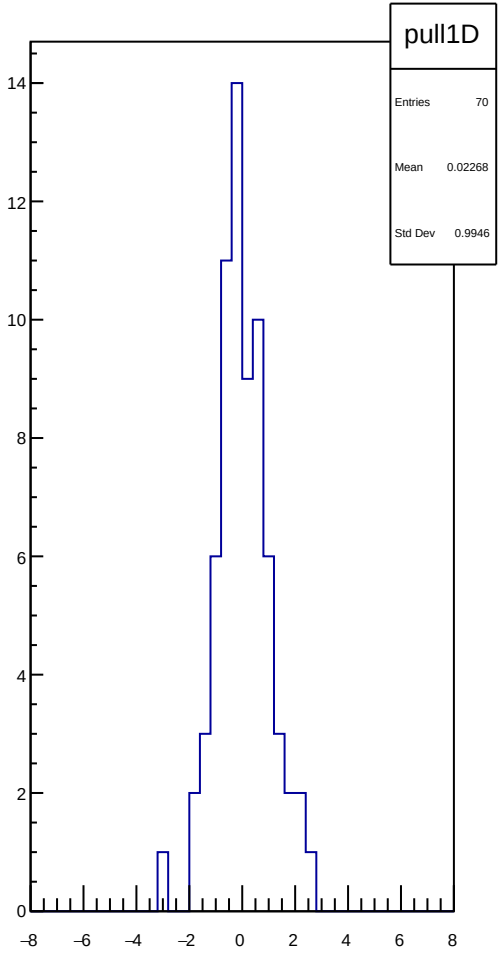

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 118.8 / 69
p0 0.07313 ± 0.2292
pull
Entries 70
Mean 60.48
Std Dev 0

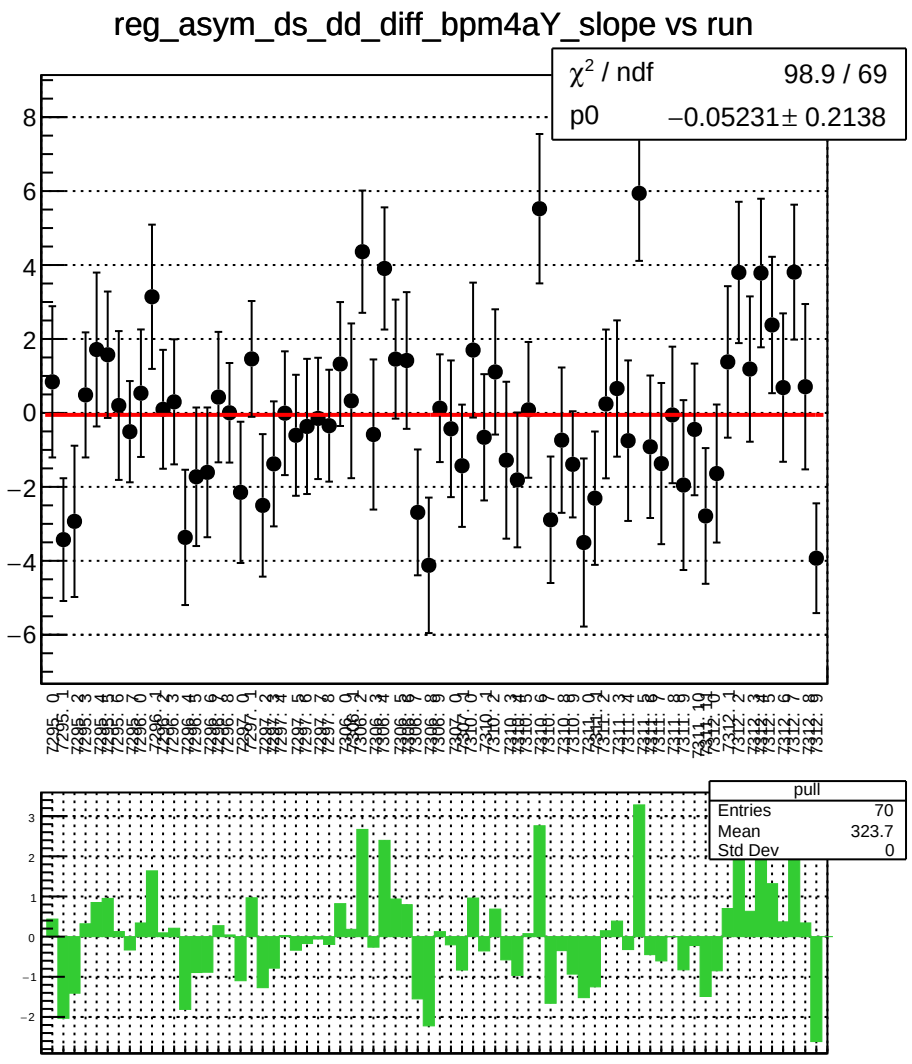

pull1D
Entries 70
Mean 0.005516
Std Dev 1.303

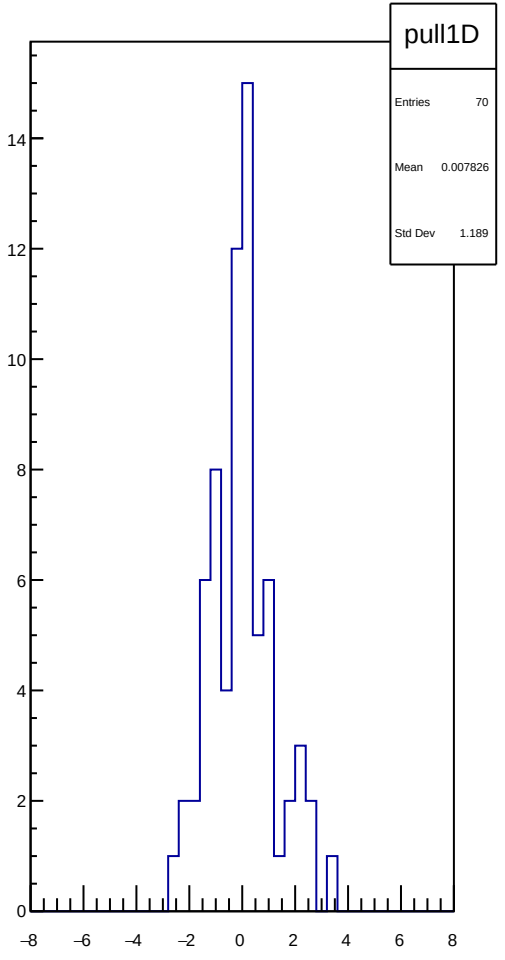

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 120.6 / 69
p0 0.0214 ± 0.009302
pull
Entries 70
Mean 98.33
Std Dev 0

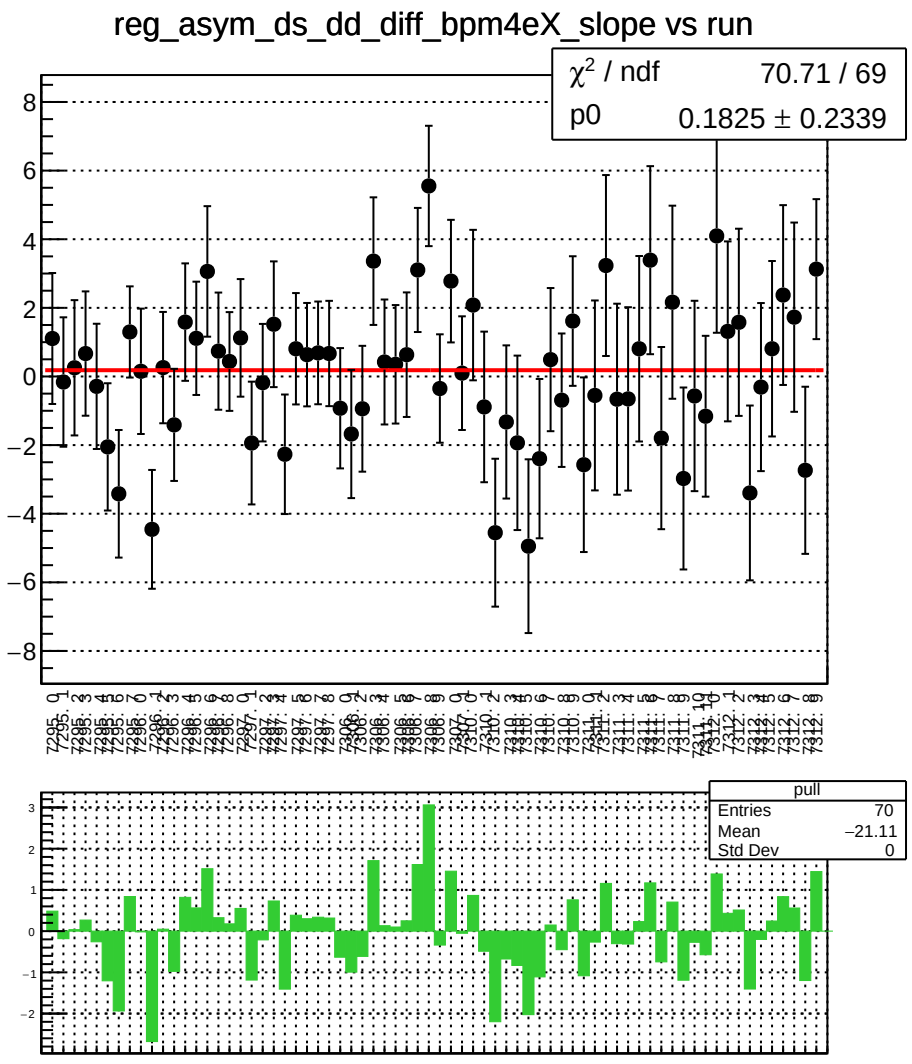

pull1D
Entries 70
Mean 0.02481
Std Dev 1.312

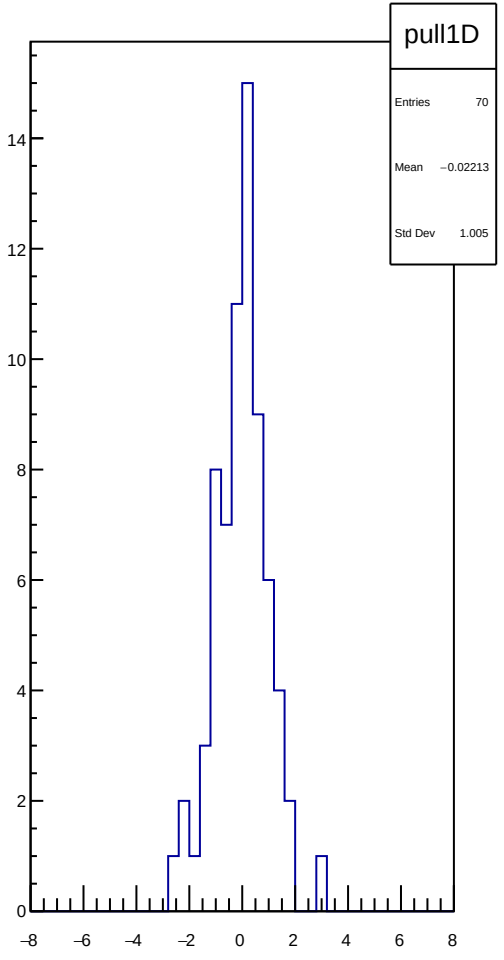

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 69.28 / 69
p0 −0.1417 ± 0.2368
pull
Entries 70
Mean −24.29
Std Dev 0

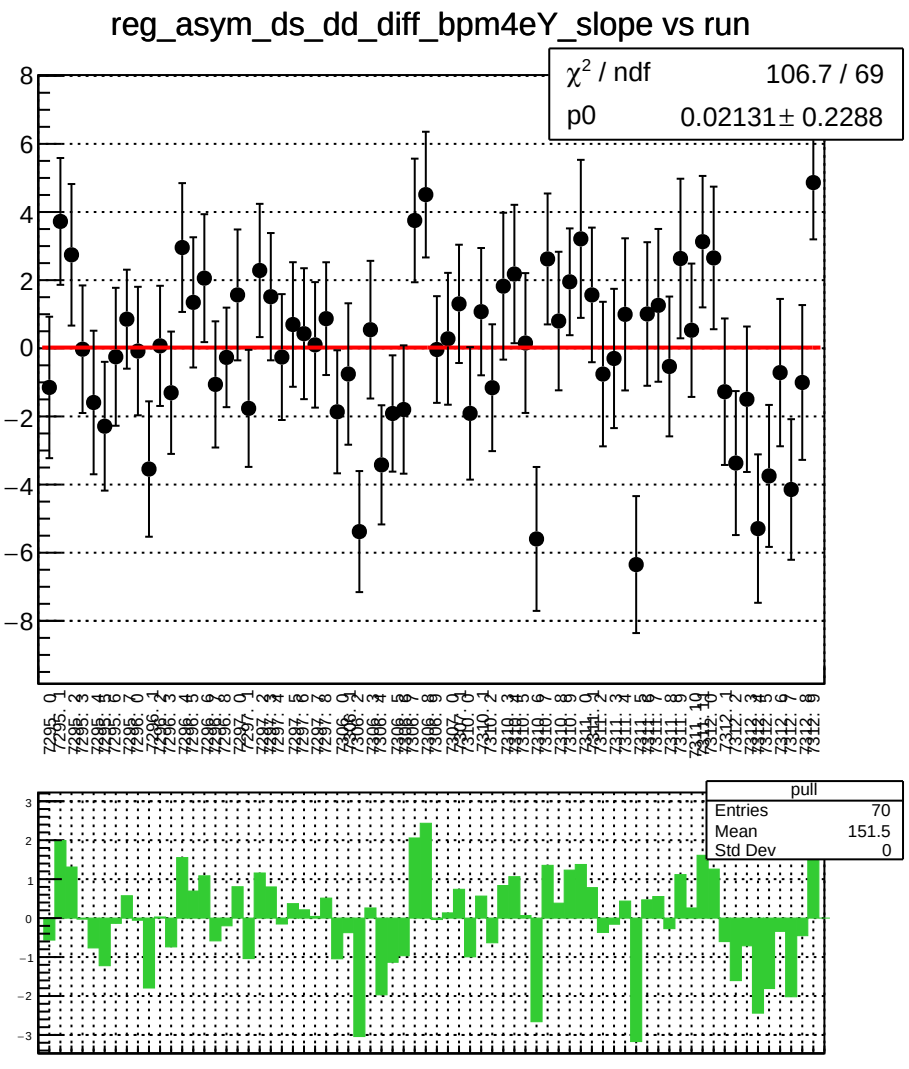

pull1D
Entries 70
Mean 0.02268
Std Dev 0.9946

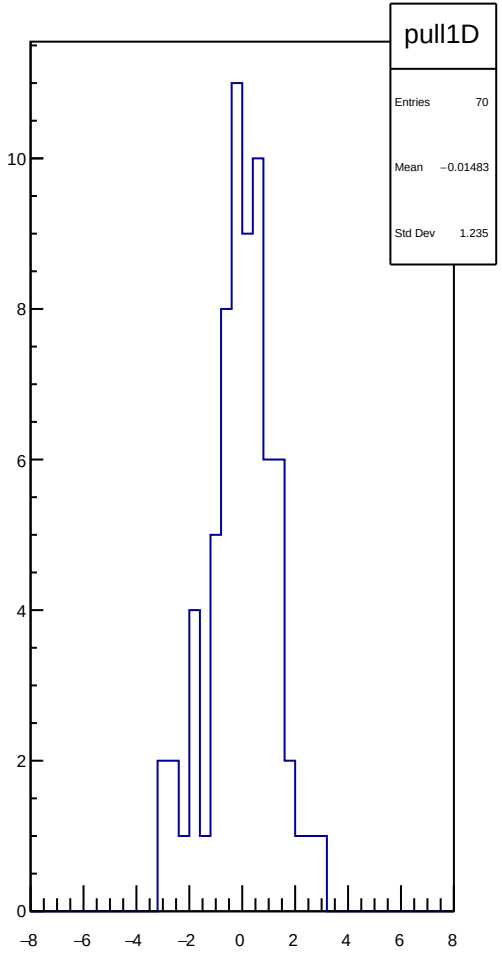

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.9 / 69
p0 −0.05231± 0.2138
pull
Entries 70
Mean 323.7
Std Dev 0

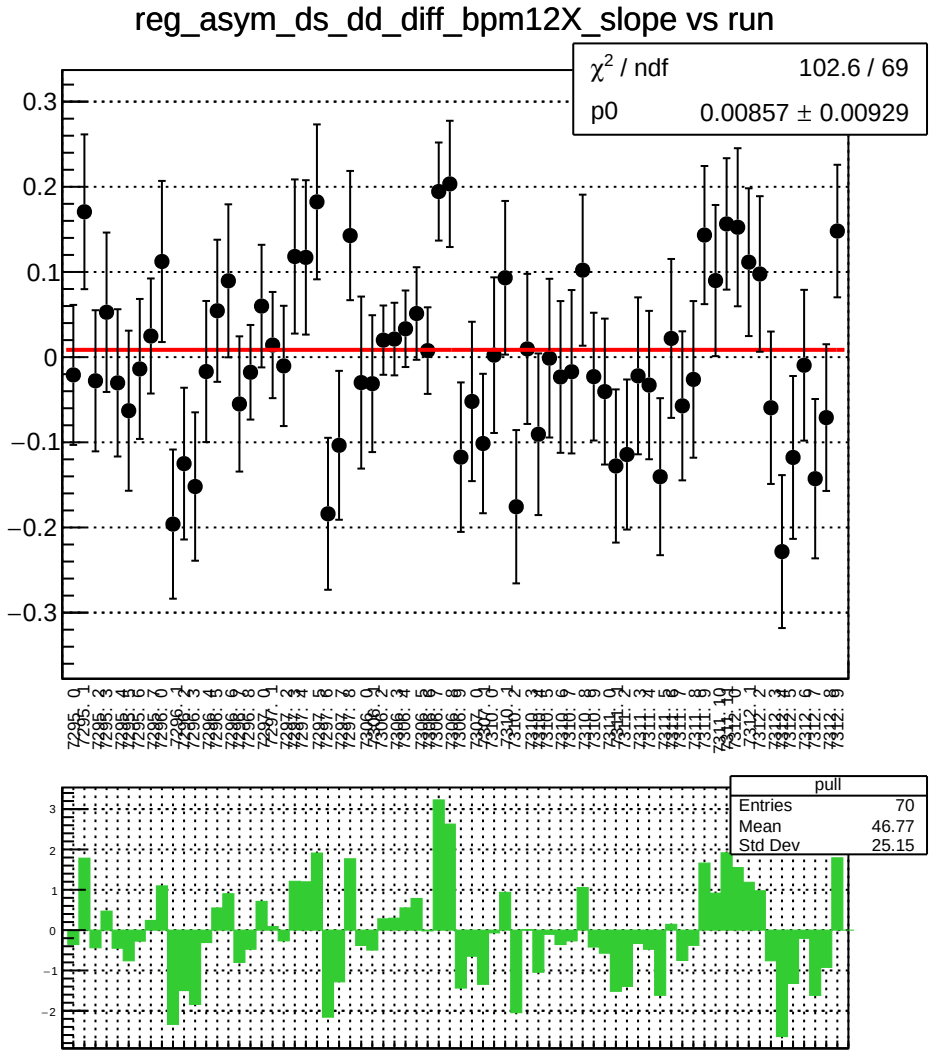

pull1D
Entries 70
Mean 0.007826
Std Dev 1.189

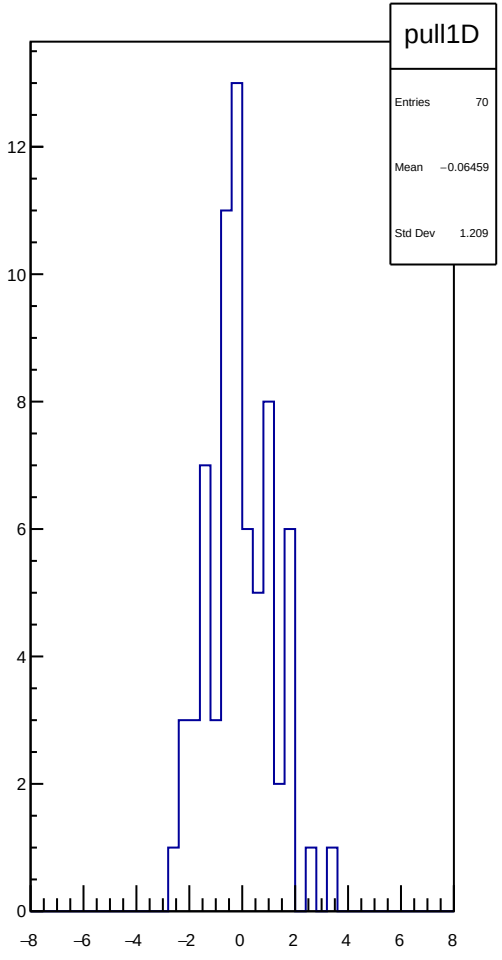

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.71 / 69
p0 0.1825 ± 0.2339
pull
Entries 70
Mean −21.11
Std Dev 0

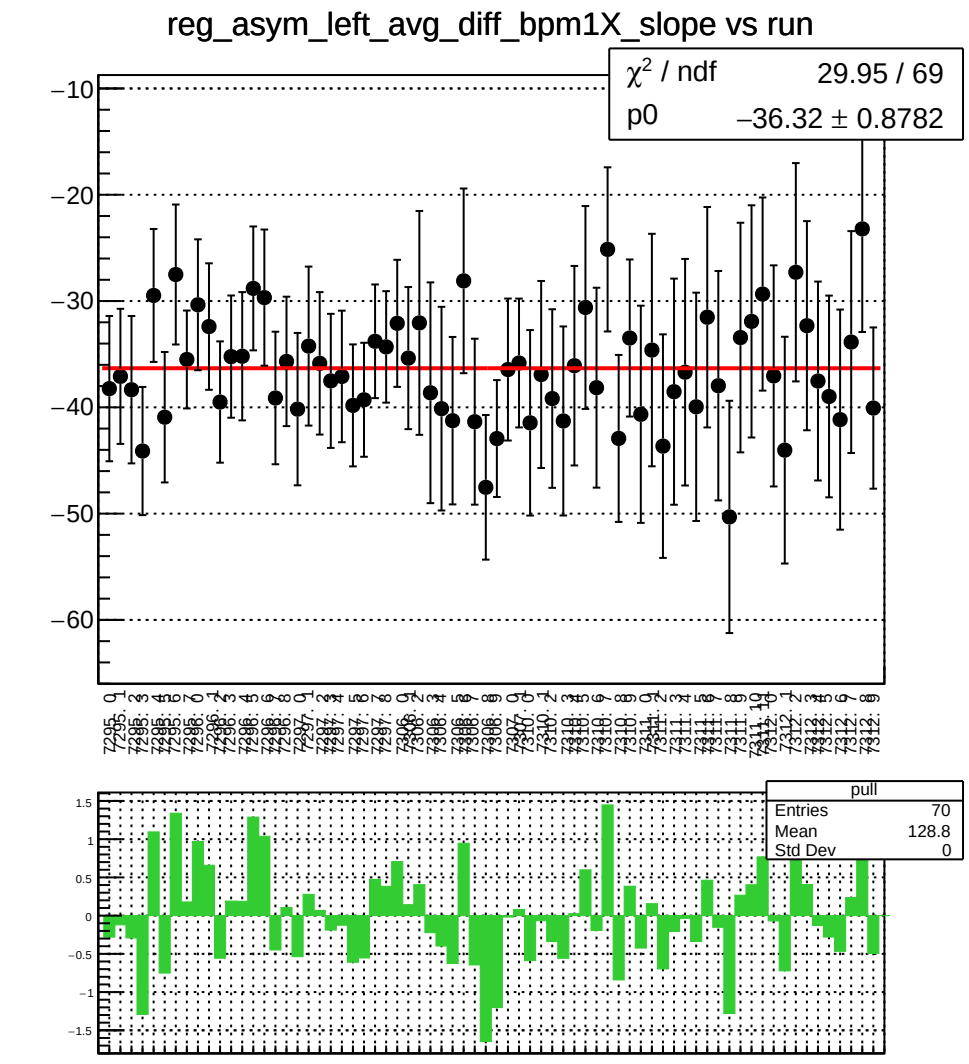

pull1D
Entries 70
Mean −0.02213
Std Dev 1.005

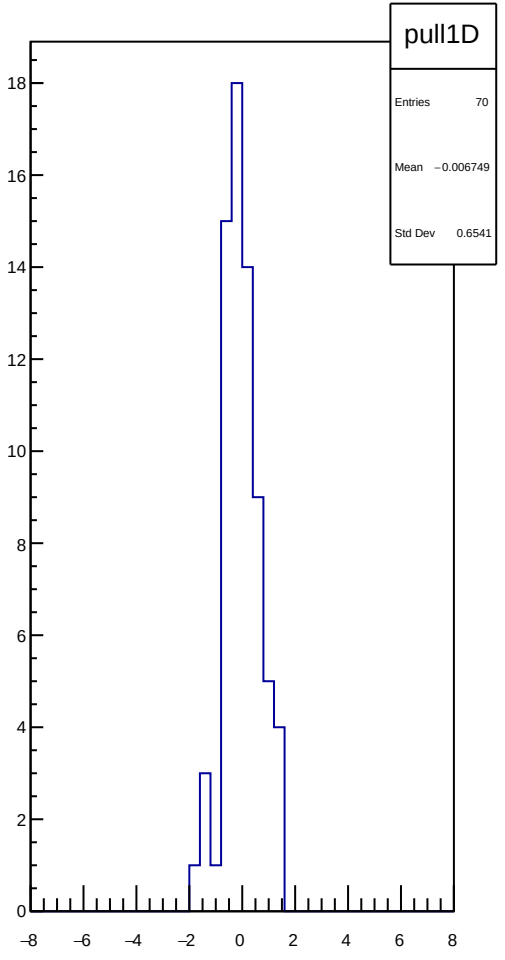

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 106.7 / 69
p0 0.02131 ± 0.2288
pull
Entries 70
Mean 151.5
Std Dev 0

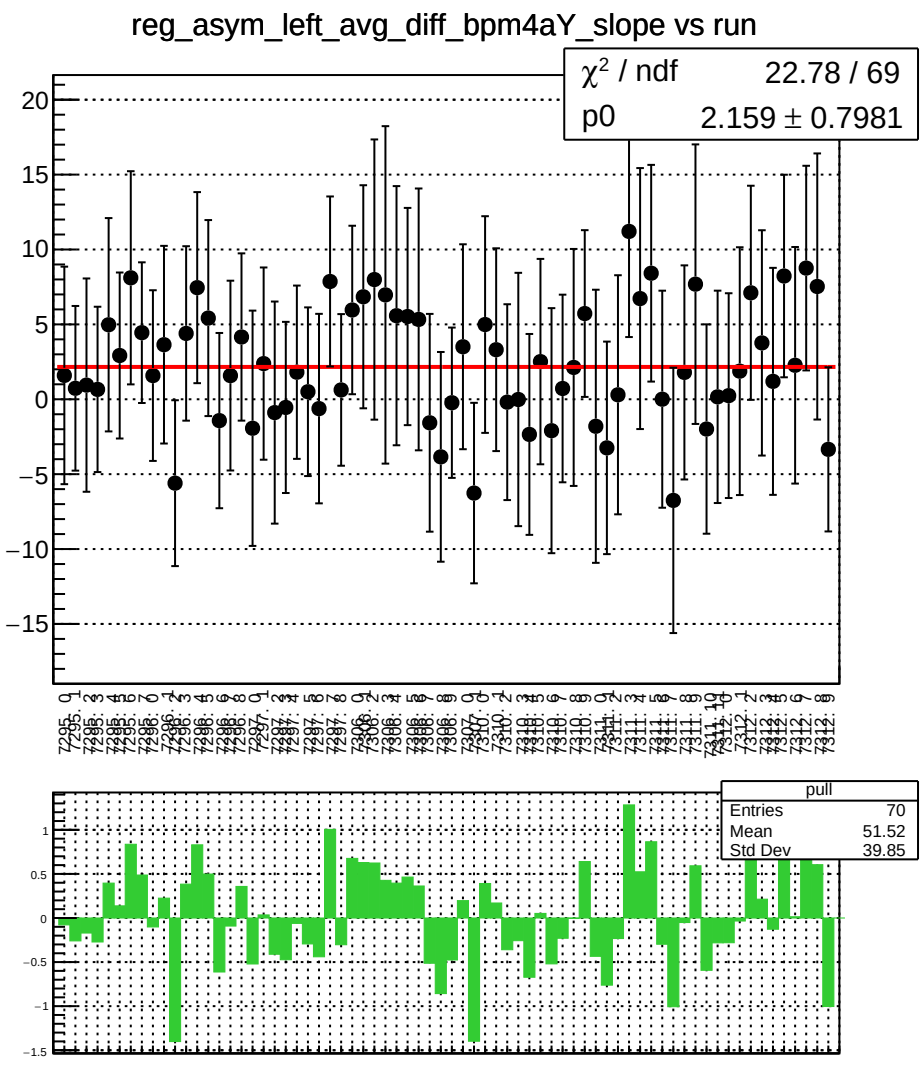

pull1D
Entries 70
Mean −0.01483
Std Dev 1.235

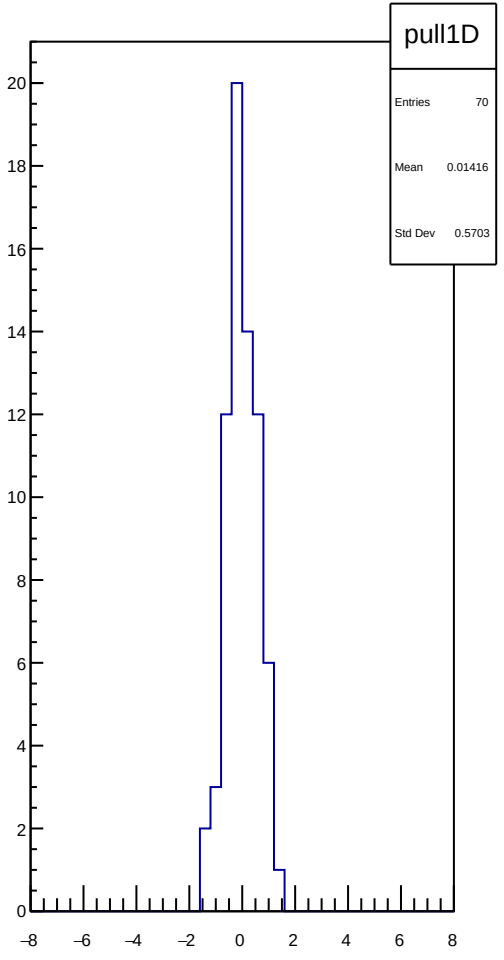

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 102.6 / 69
p0 0.00857 ± 0.00929
pull
Entries 70
Mean 46.77
Std Dev 25.15

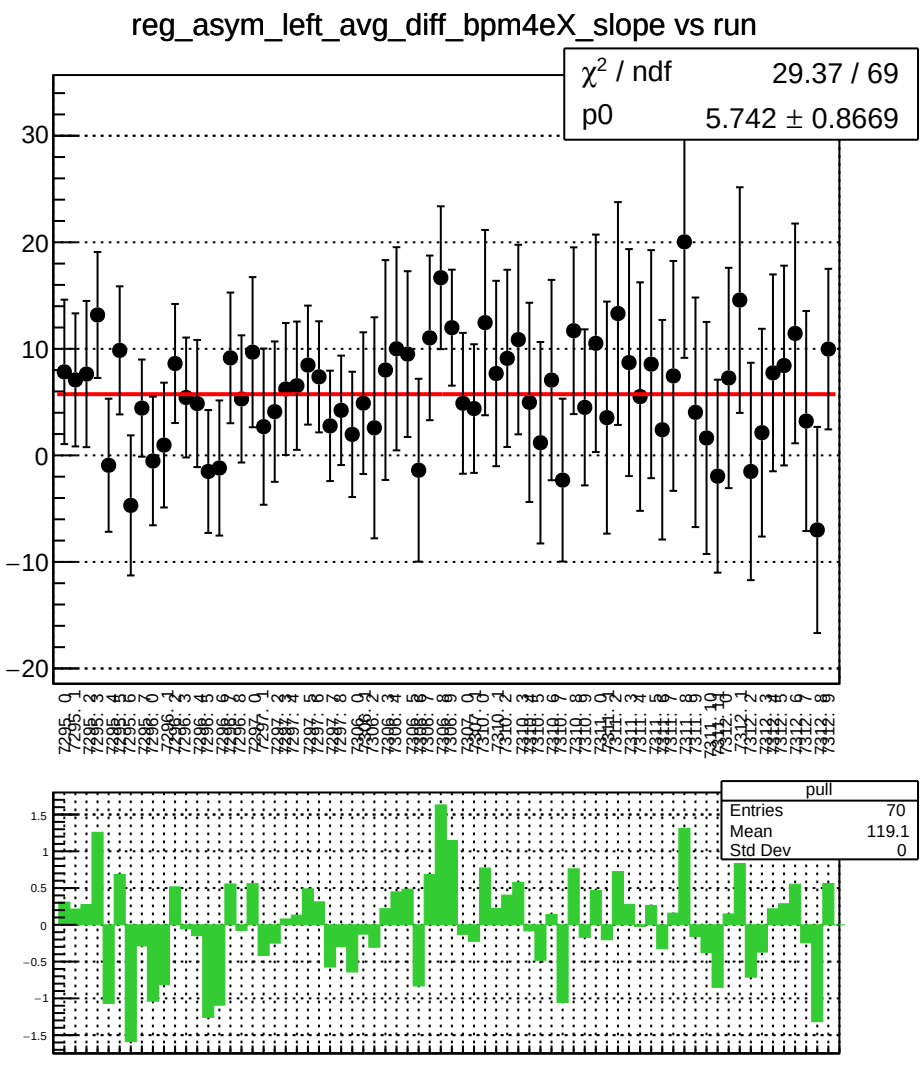

pull1D
Entries 70
Mean −0.06459
Std Dev 1.209

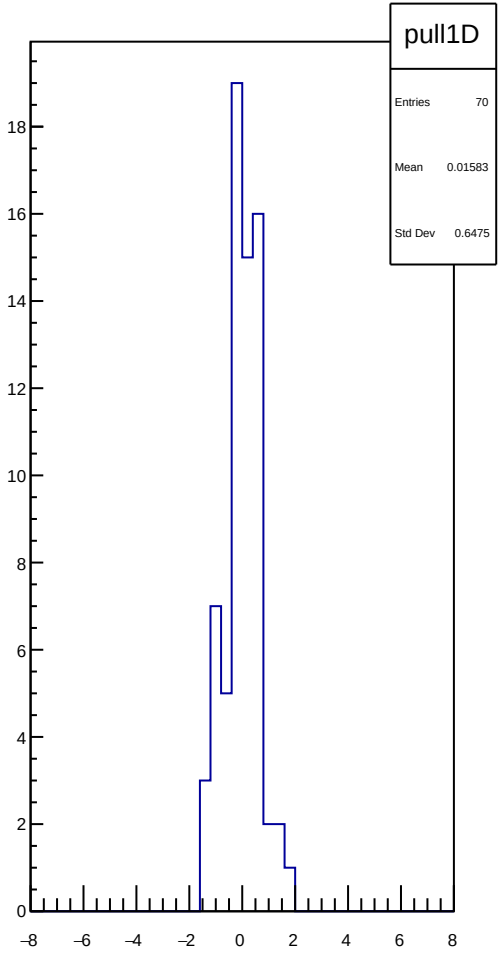

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 29.95 / 69
p0 −36.32 ± 0.8782
pull
Entries 70
Mean 128.8
Std Dev 0

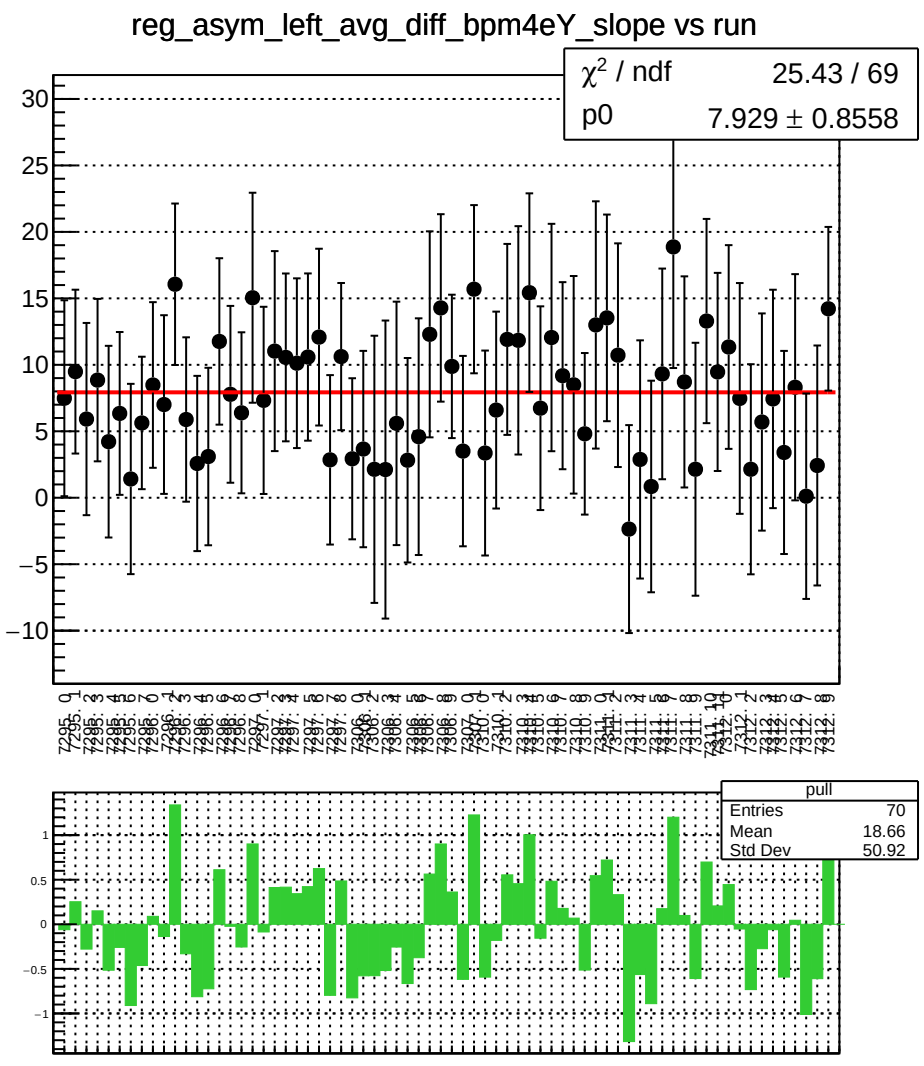

pull1D
Entries 70
Mean −0.006749
Std Dev 0.6541

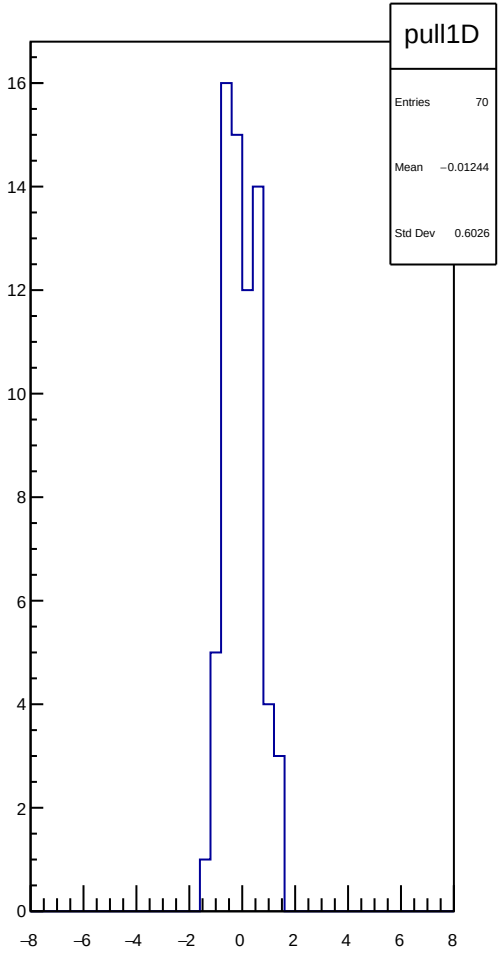

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.78 / 69
p0 2.159 ± 0.7981
pull
Entries 70
Mean 51.52
Std Dev 39.85

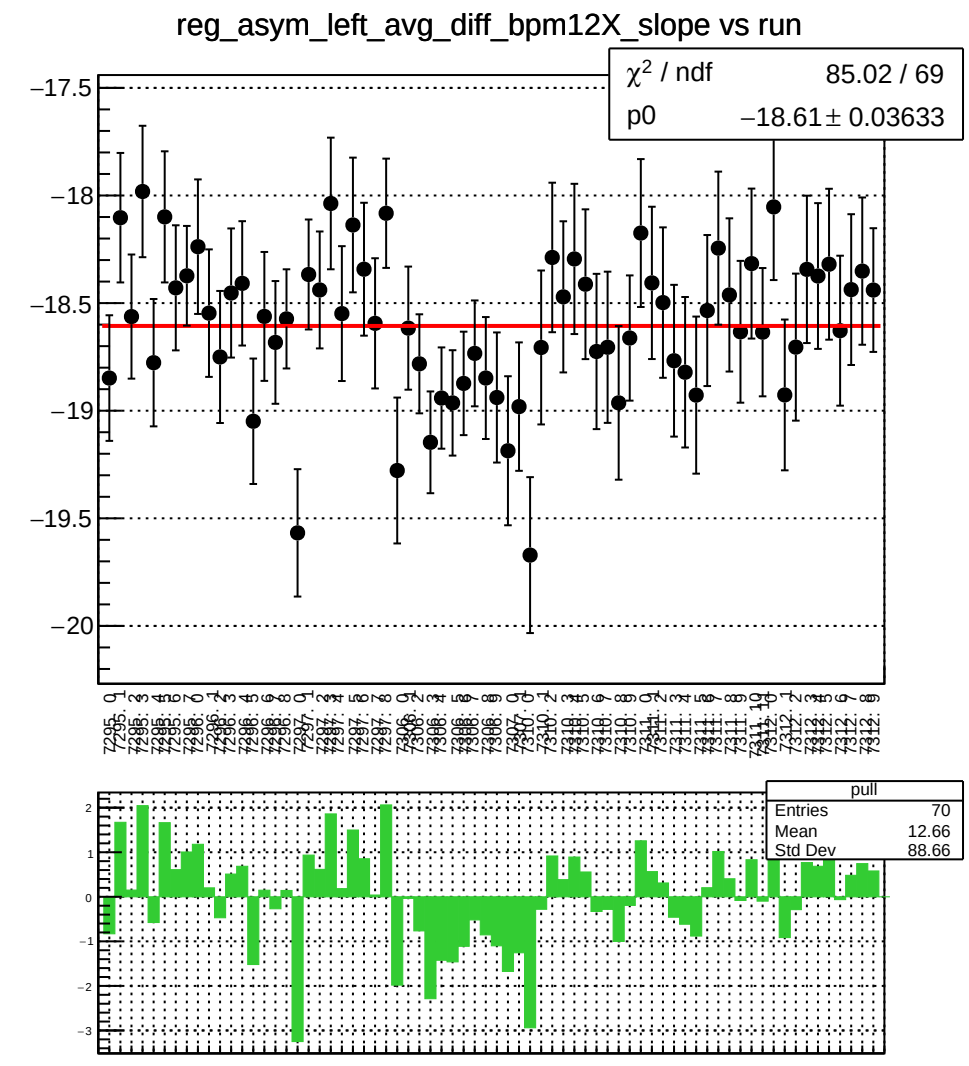

pull1D
Entries 70
Mean 0.01416
Std Dev 0.5703

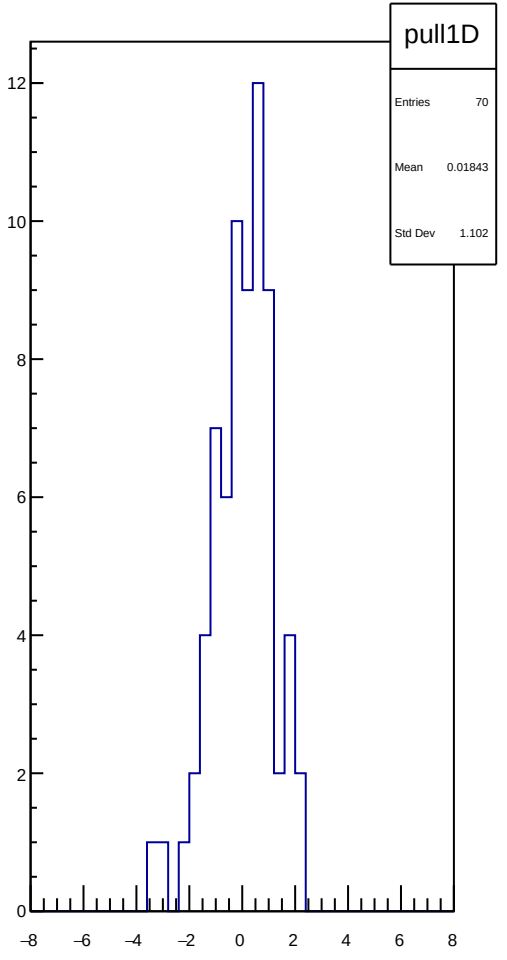

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.37 / 69
p0 5.742 ± 0.8669
pull
Entries 70
Mean 119.1
Std Dev 0

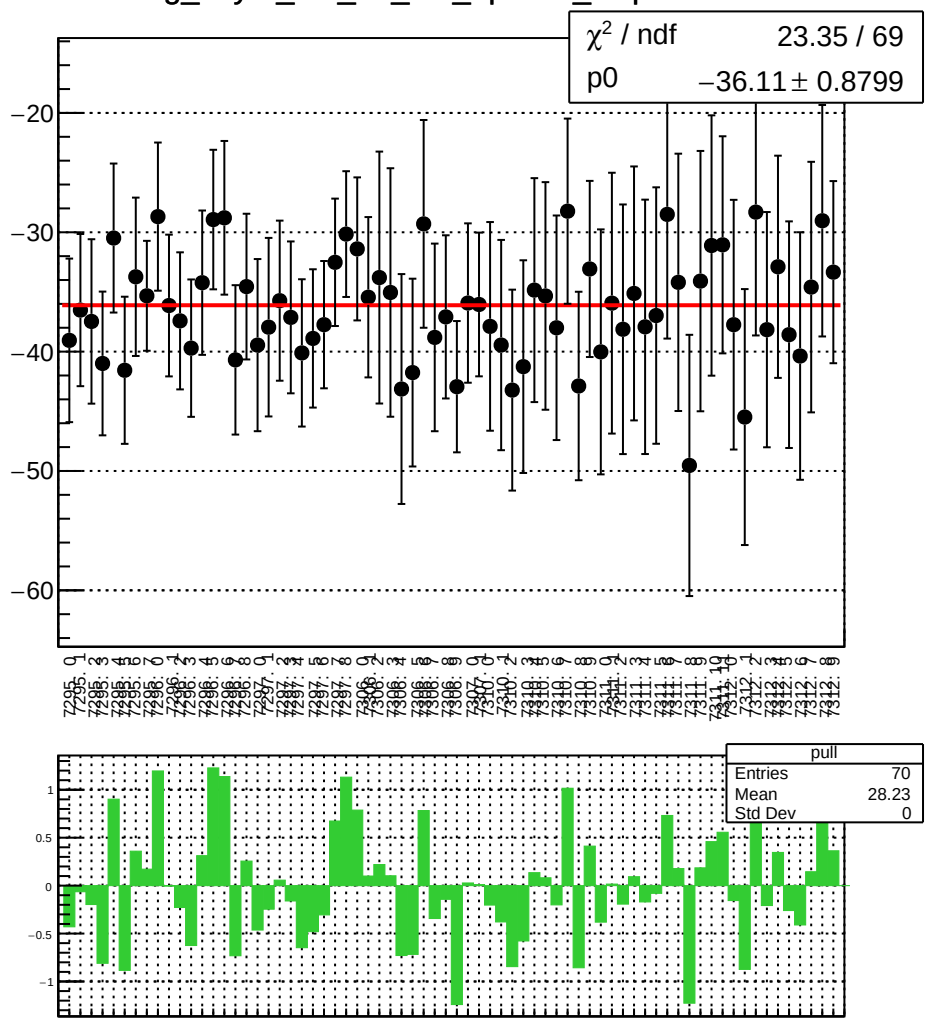

pull1D
Entries 70
Mean 0.01583
Std Dev 0.6475

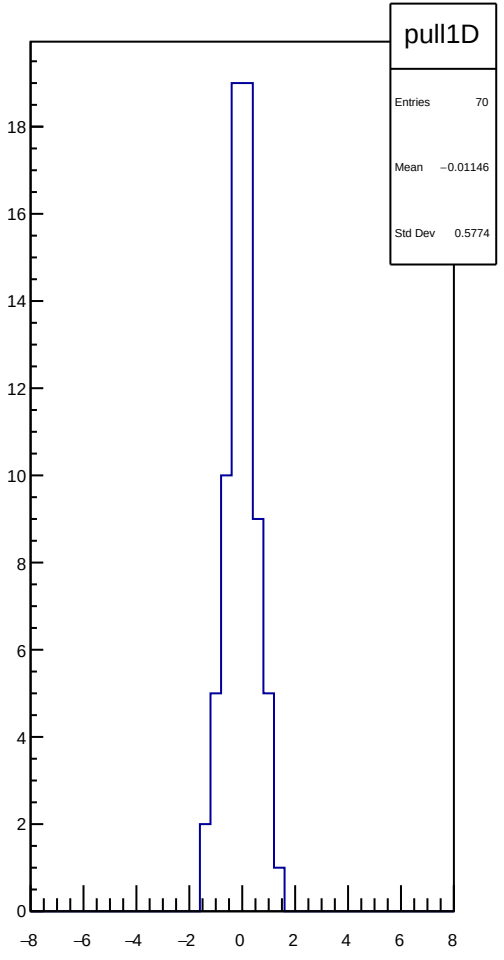

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.43 / 69
p0 7.929 ± 0.8558
pull
Entries 70
Mean 18.66
Std Dev 50.92

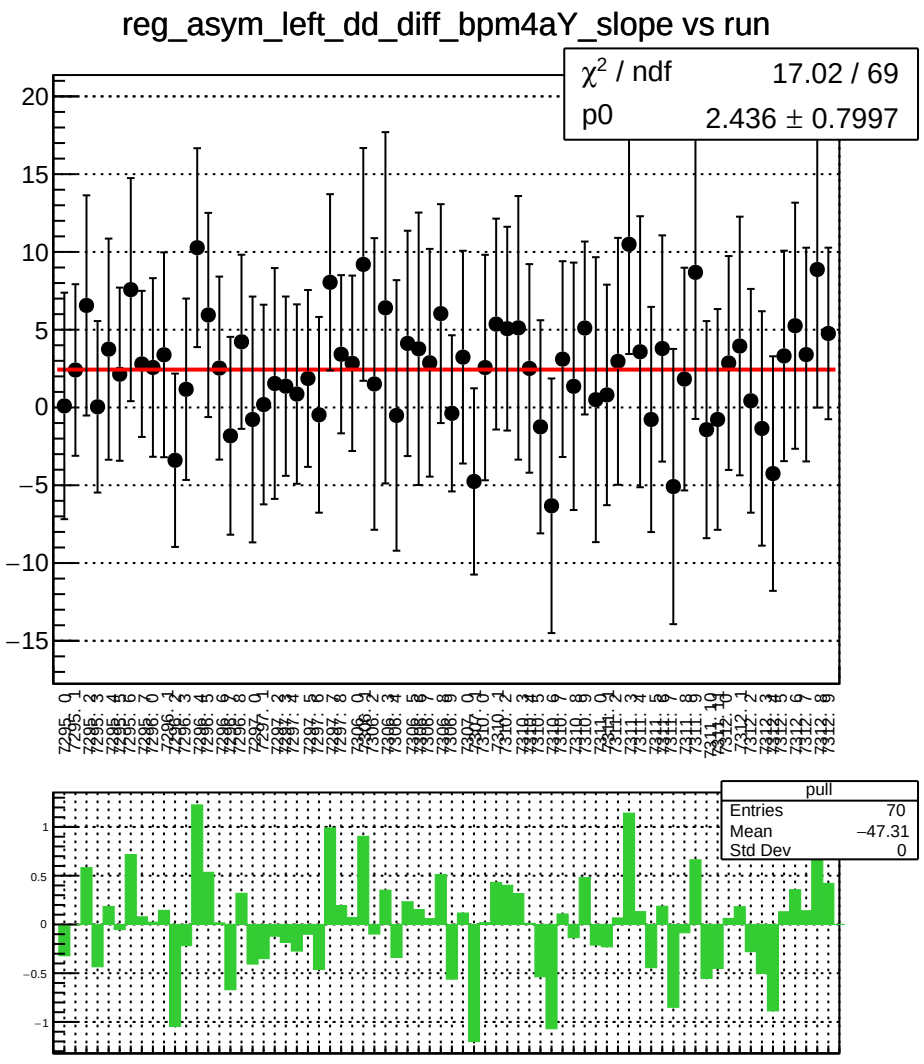

pull1D
Entries 70
Mean −0.01244
Std Dev 0.6026

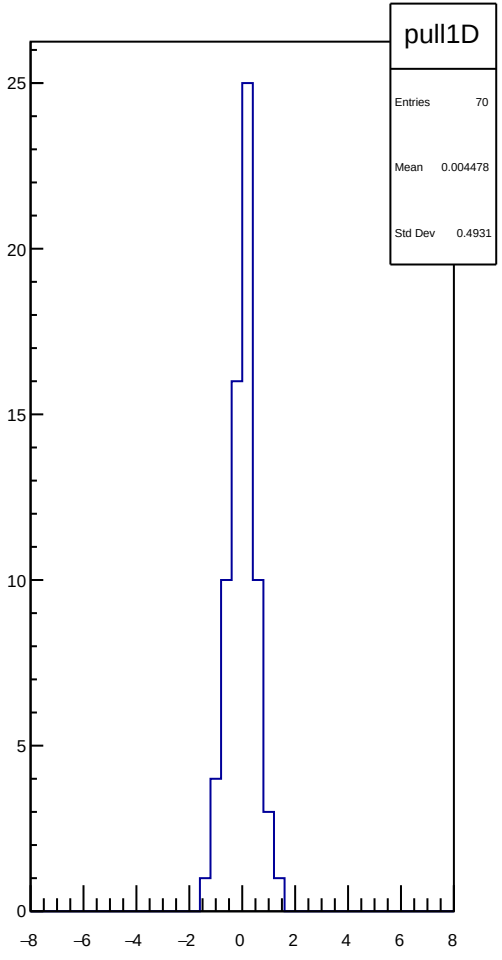

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 85.02 / 69
p0 −18.61 ± 0.03633
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 70
Mean 12.66
Std Dev 88.66
2
1
0
−1
−2
−3

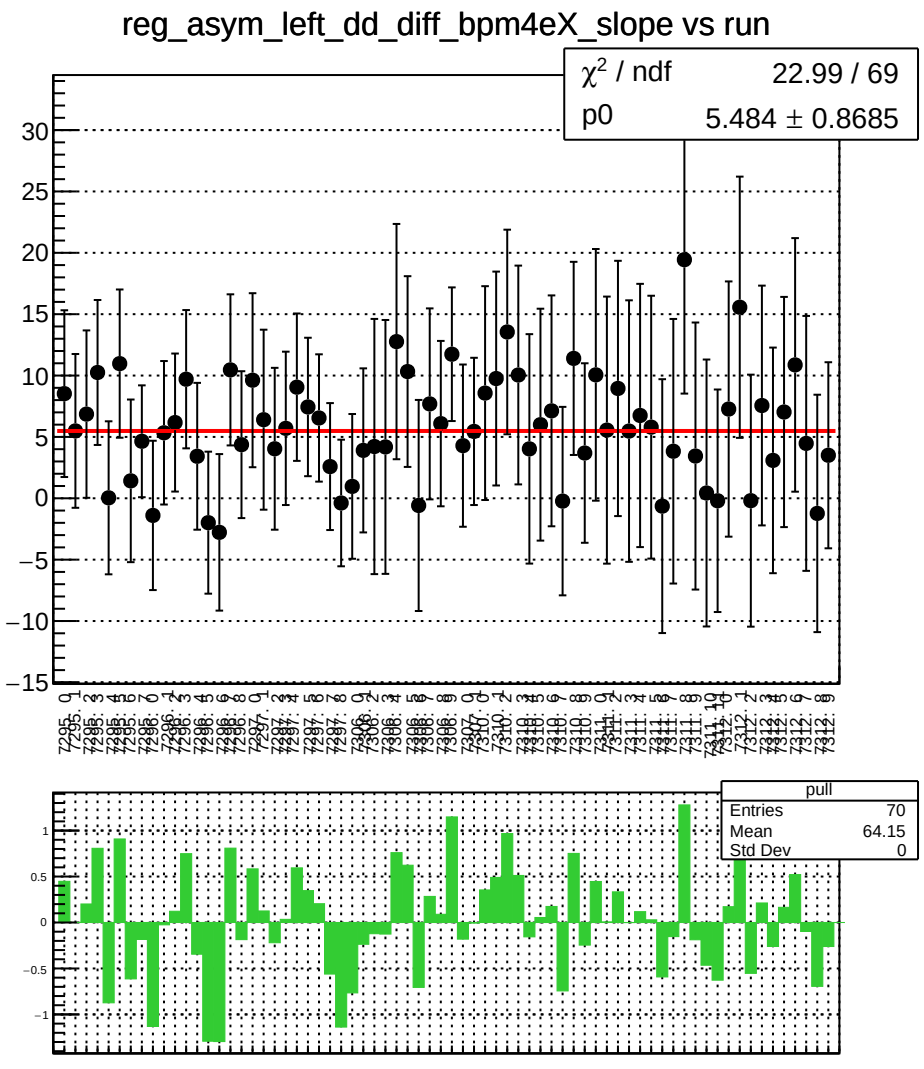

pull1D
Entries 70
Mean 0.01843
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

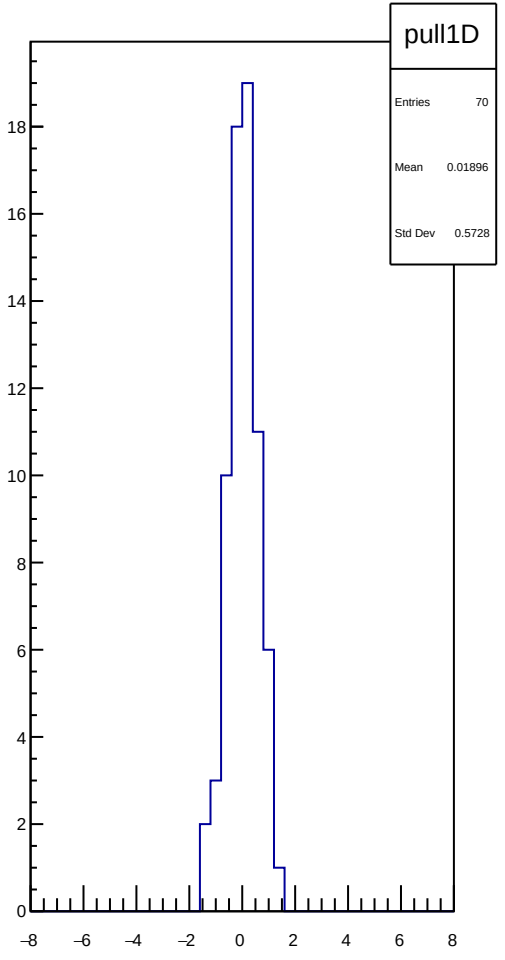

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 23.35 / 69
p0 −36.11 ± 0.8799
pull
Entries 70
Mean 28.23
Std Dev 0

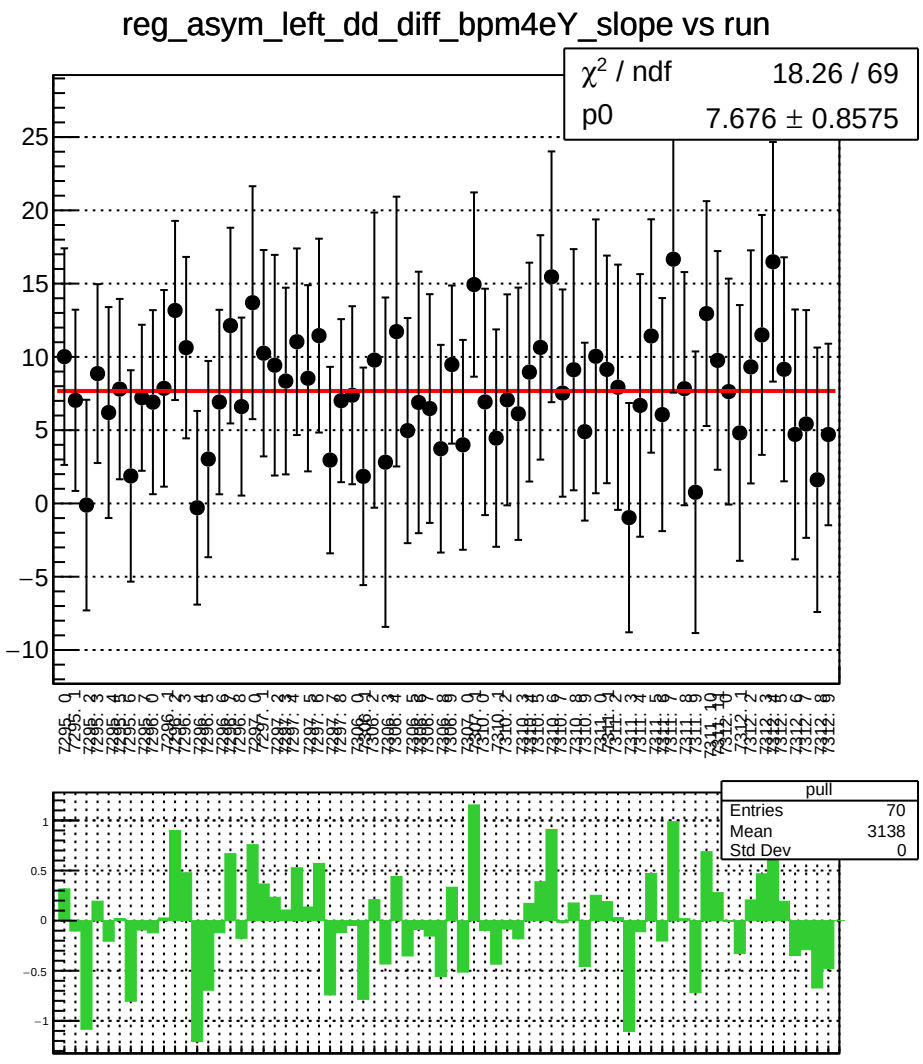

pull1D
Entries 70
Mean −0.01146
Std Dev 0.5774

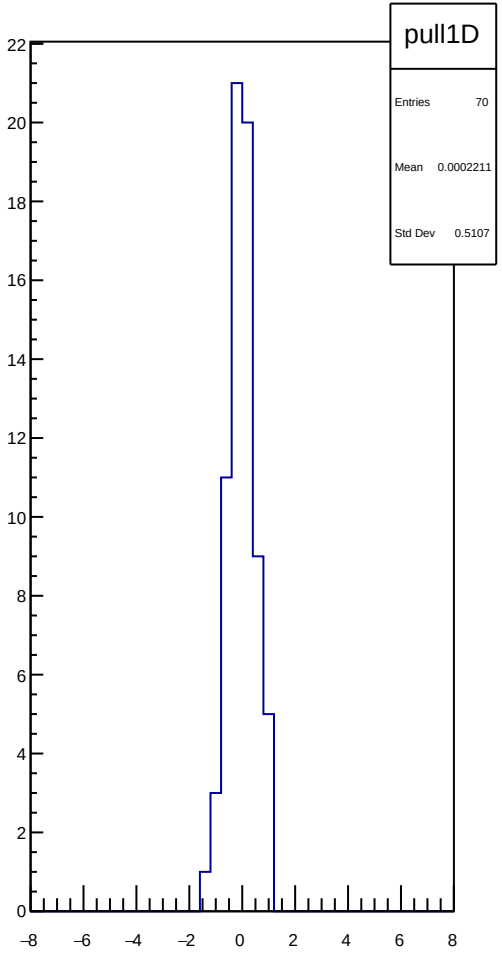

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.02 / 69
p0 2.436 ± 0.7997
pull
Entries 70
Mean −47.31
Std Dev 0

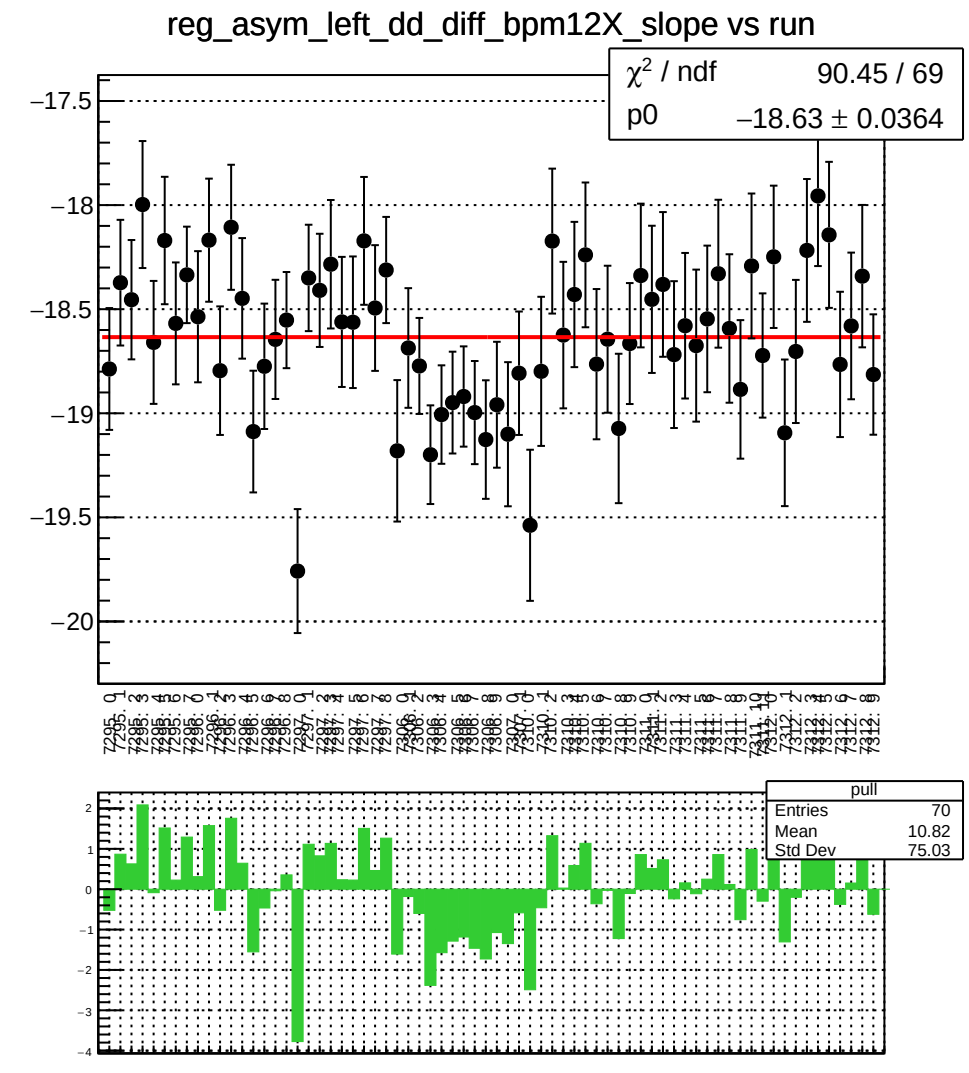

pull1D
Entries 70
Mean 0.004478
Std Dev 0.4931

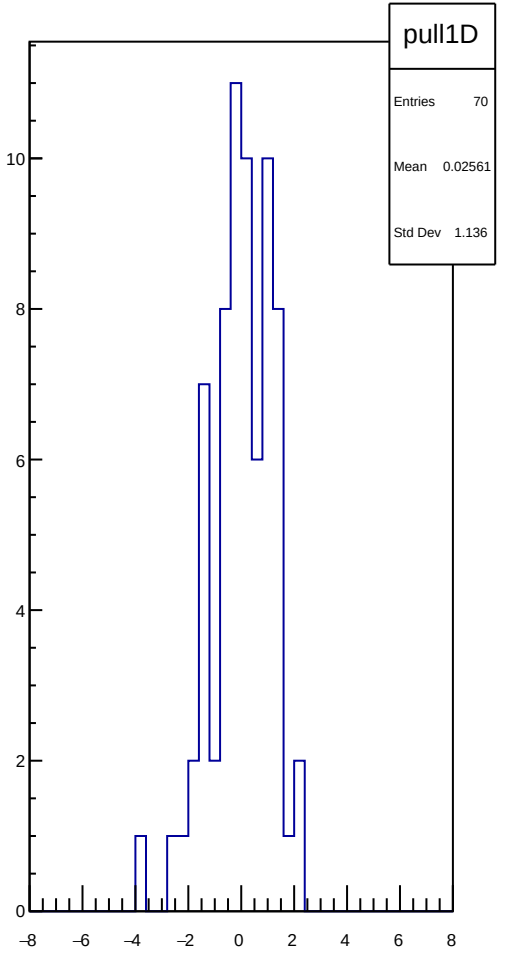

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.99 / 69
p0 5.484 ± 0.8685
pull
Entries 70
Mean 64.15
Std Dev 0

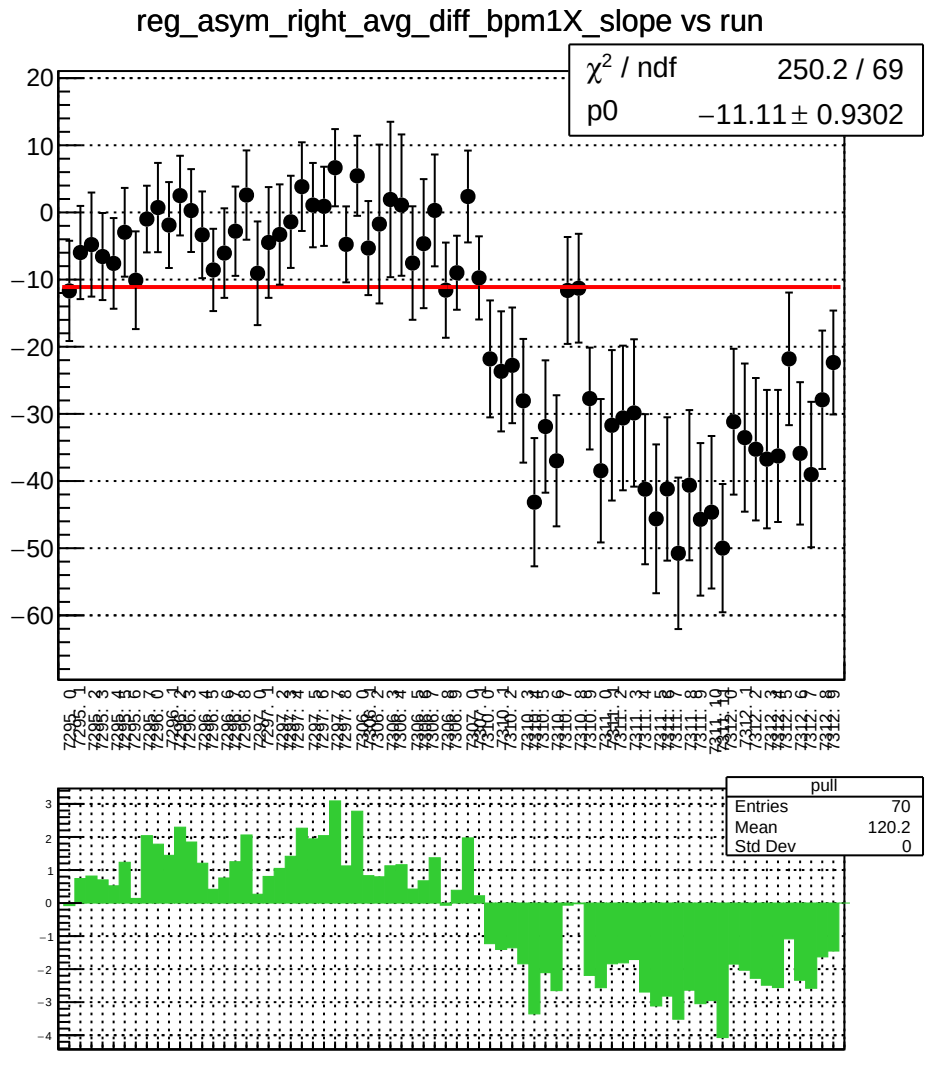

pull1D
Entries 70
Mean 0.01896
Std Dev 0.5728

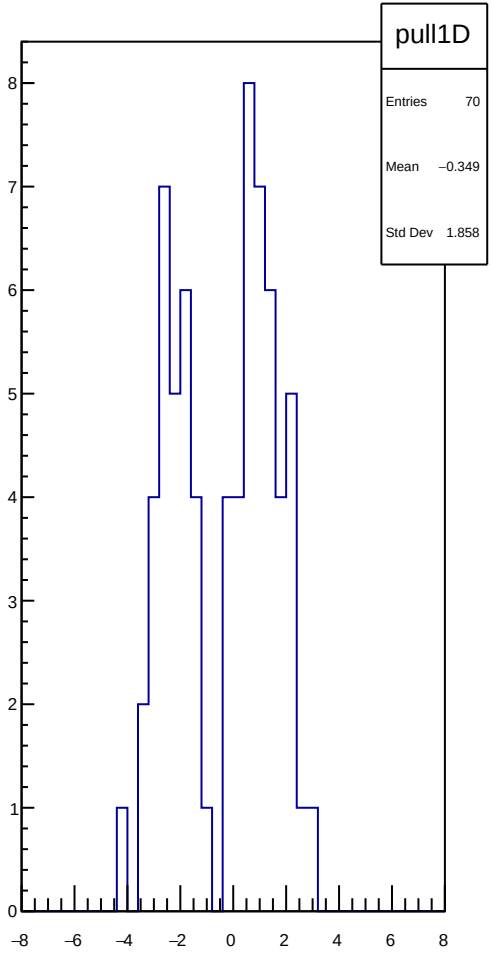

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.26 / 69
p0 7.676 ± 0.8575
pull
Entries 70
Mean 3138
Std Dev 0

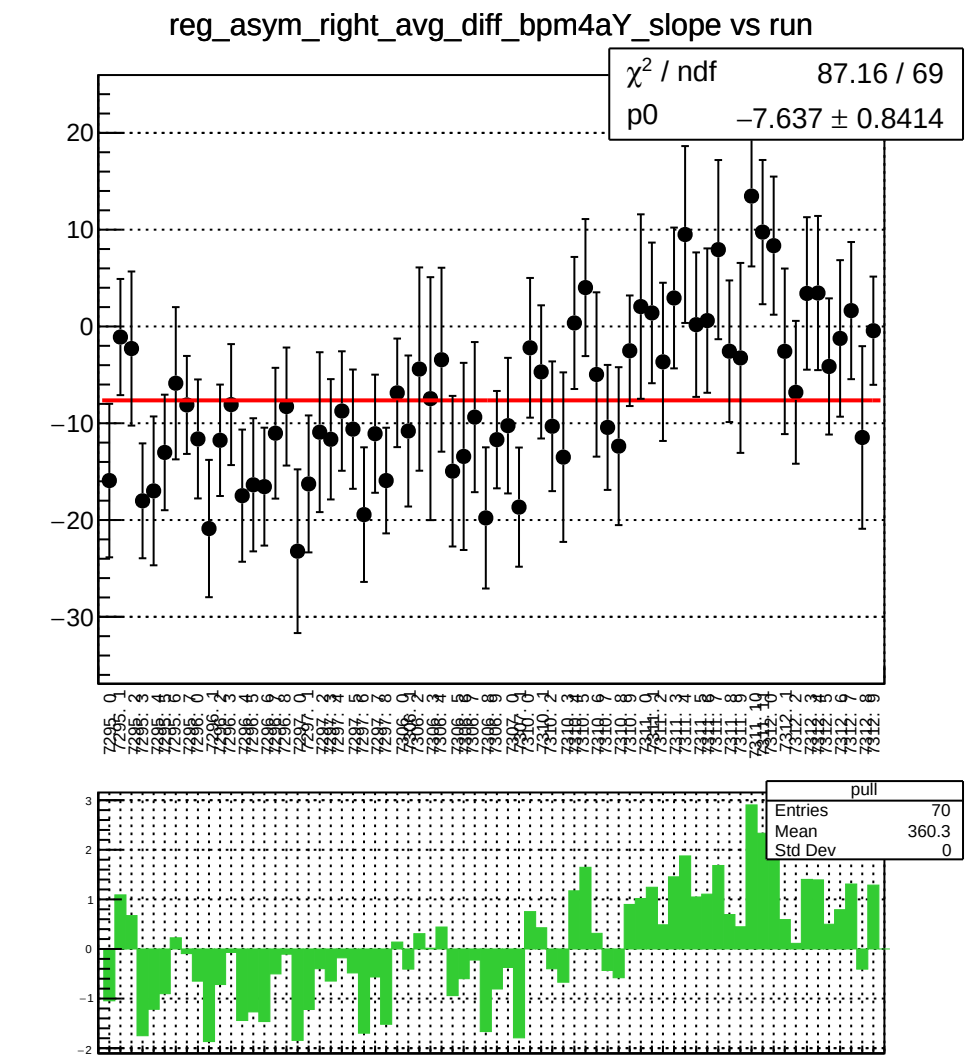

pull1D
Entries 70
Mean 0.0002211
Std Dev 0.5107

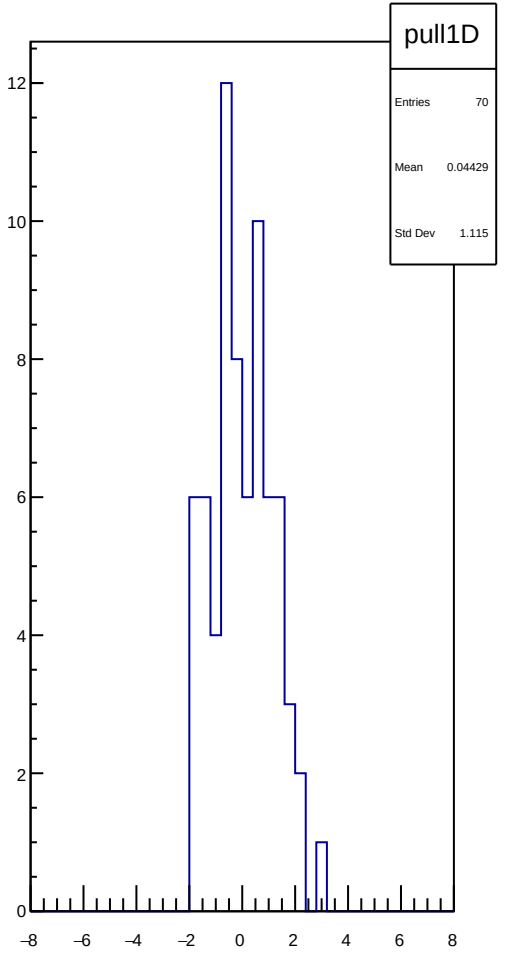

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 90.45 / 69
p0 −18.63 ± 0.0364
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 70
Mean 10.82
Std Dev 75.03
2
1
0
−1
−2
−3
−4

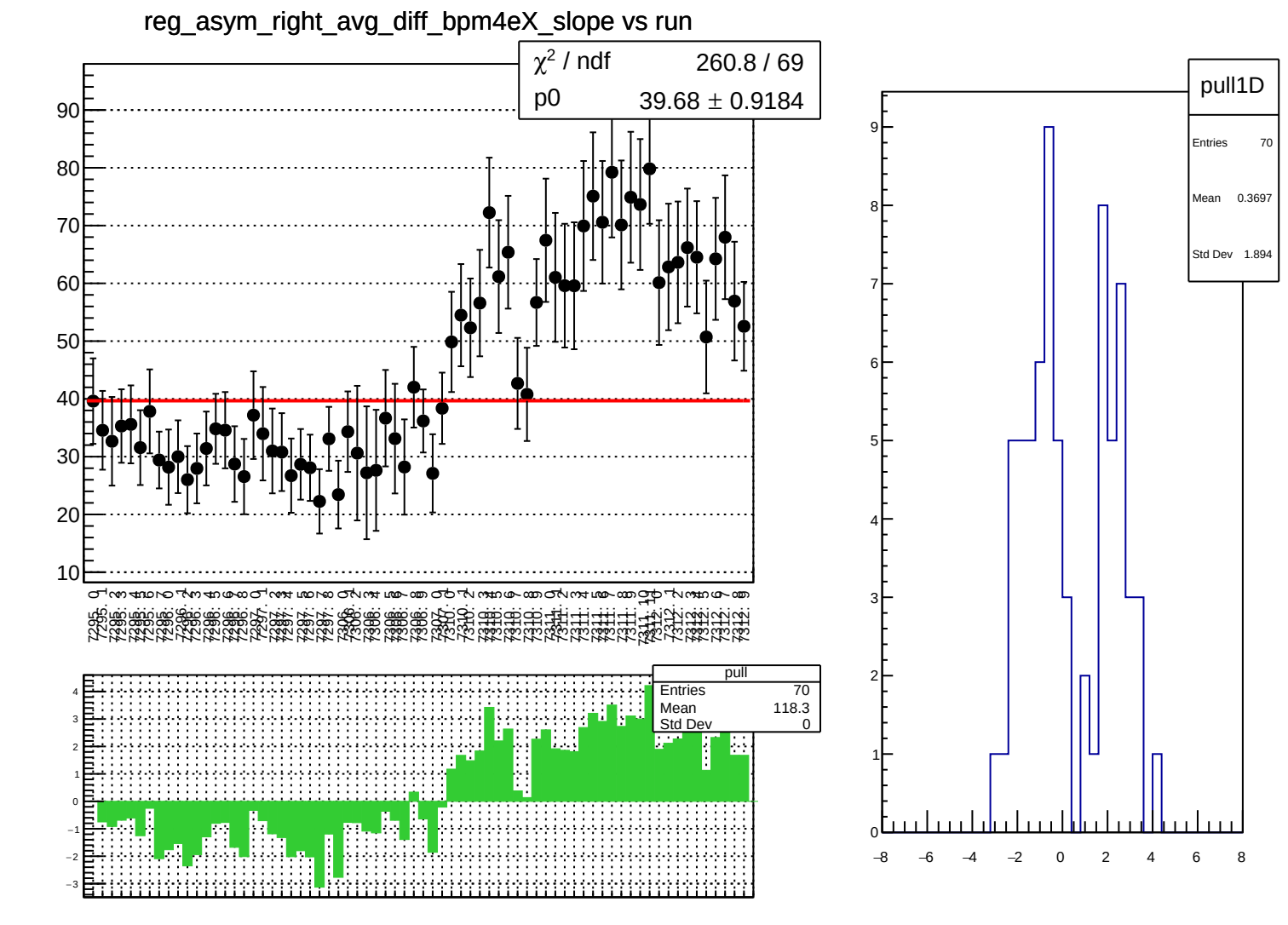

pull1D
Entries 70
Mean 0.02561
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

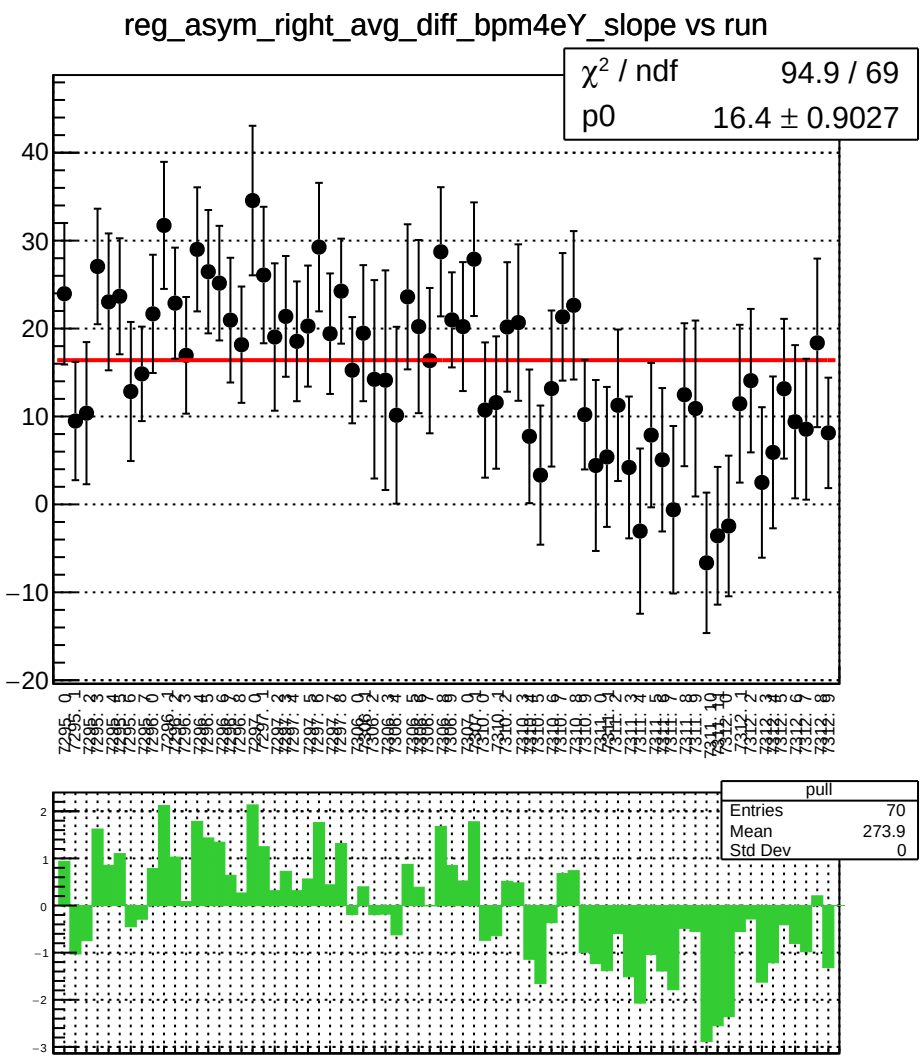

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 250.2 / 69
p0 −11.11 ± 0.9302
pull
Entries 70
Mean 120.2
Std Dev 0

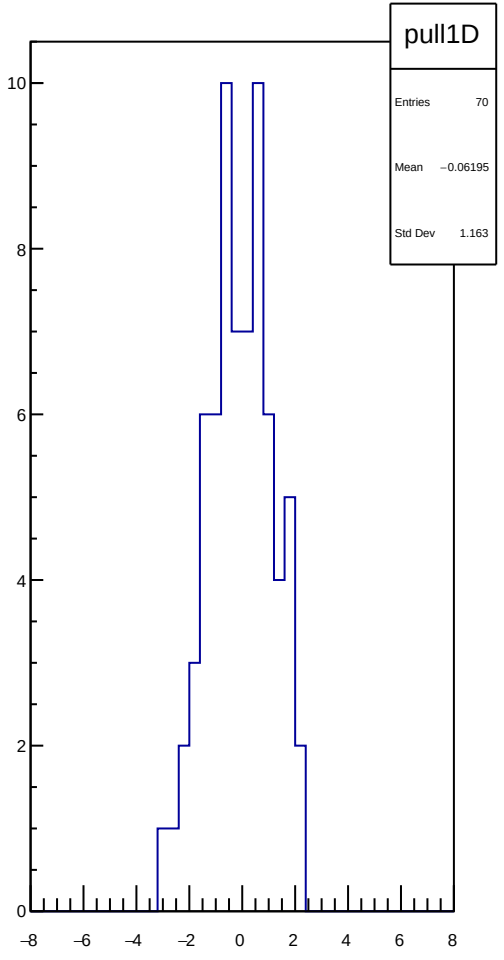

pull1D
Entries 70
Mean −0.349
Std Dev 1.858

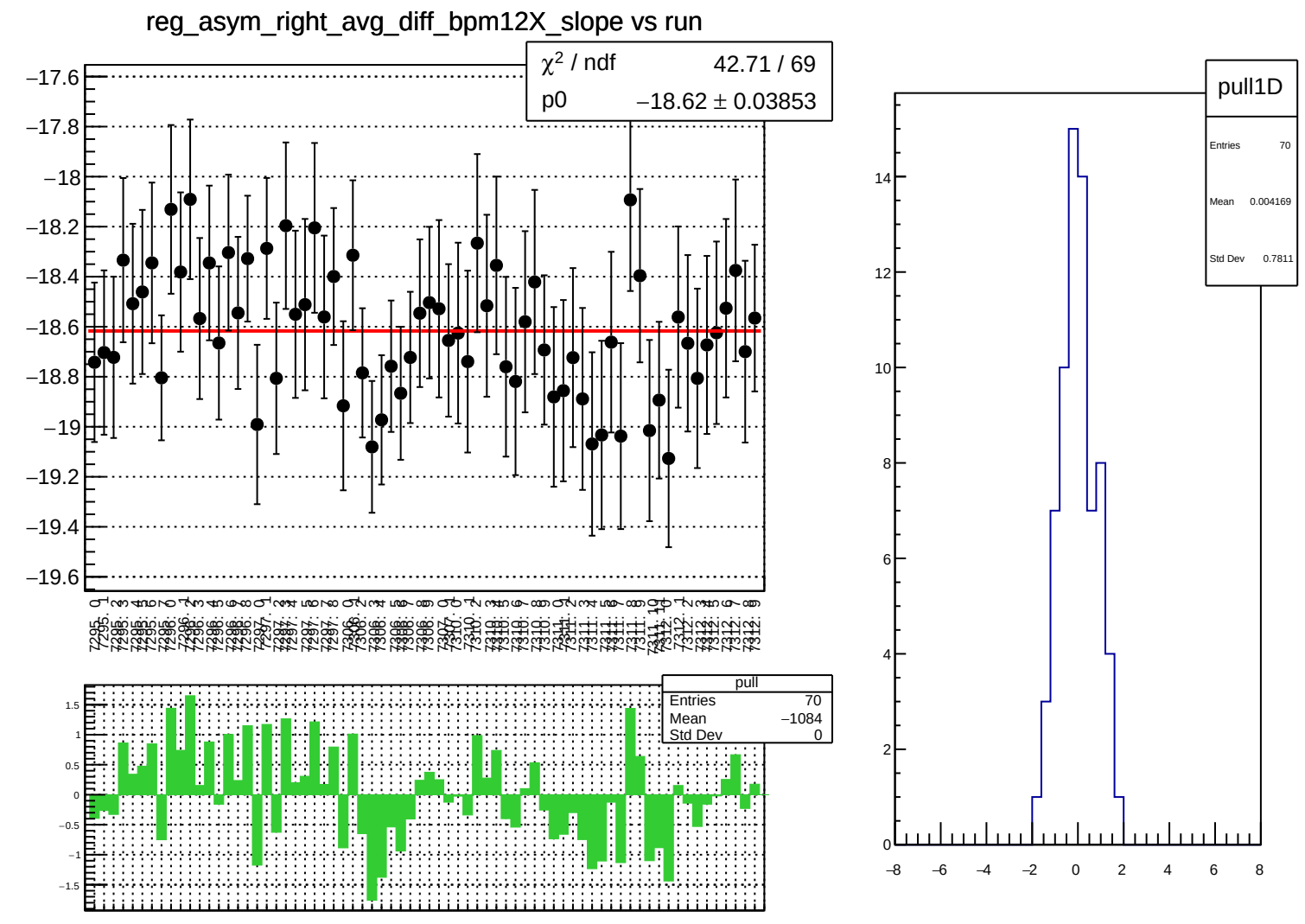

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.16 / 69
p0 −7.637 ± 0.8414
pull
Entries 70
Mean 360.3
Std Dev 0

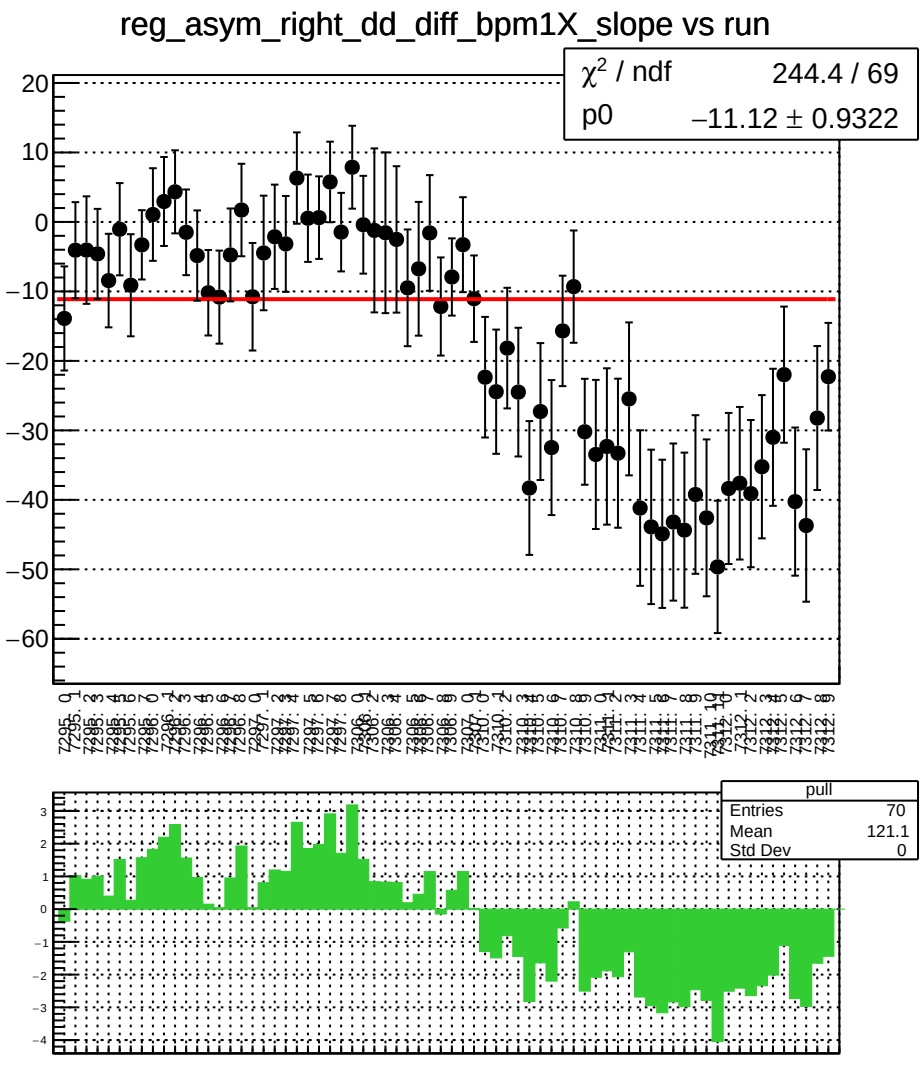

pull1D
Entries 70
Mean 0.04429
Std Dev 1.115

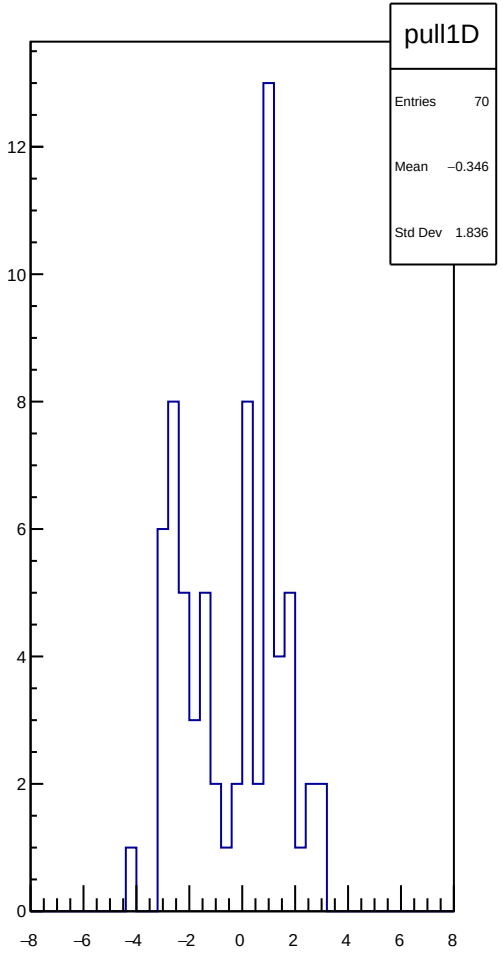

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 260.8 / 69
p0 39.68 ± 0.9184
pull
Entries 70
Mean 118.3
Std Dev 0
pull1D
Entries 70
Mean 0.3697
Std Dev 1.894

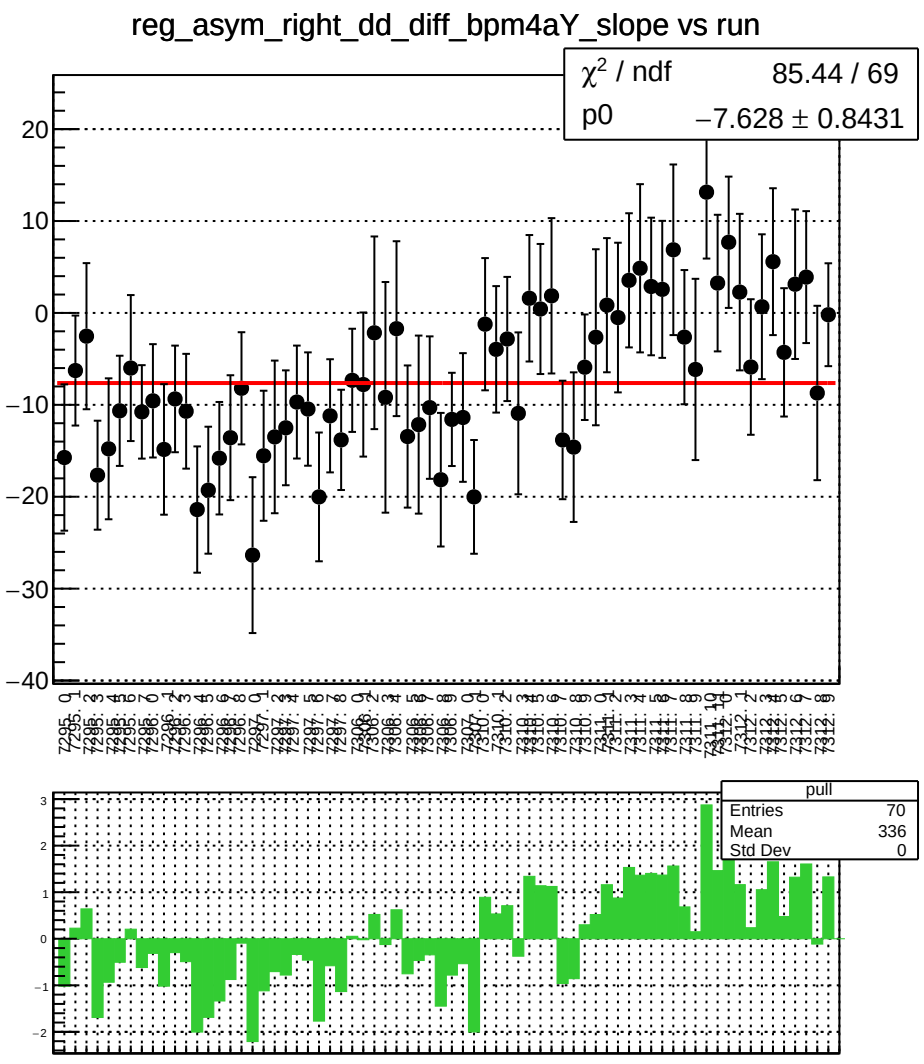

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 94.9 / 69
p0 16.4 ± 0.9027
pull
Entries 70
Mean 273.9
Std Dev 0

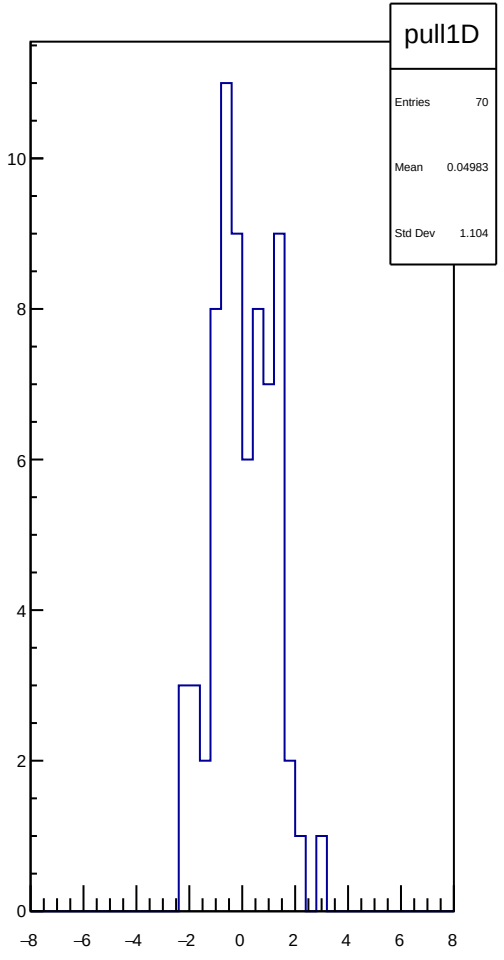

pull1D
Entries 70
Mean −0.06195
Std Dev 1.163

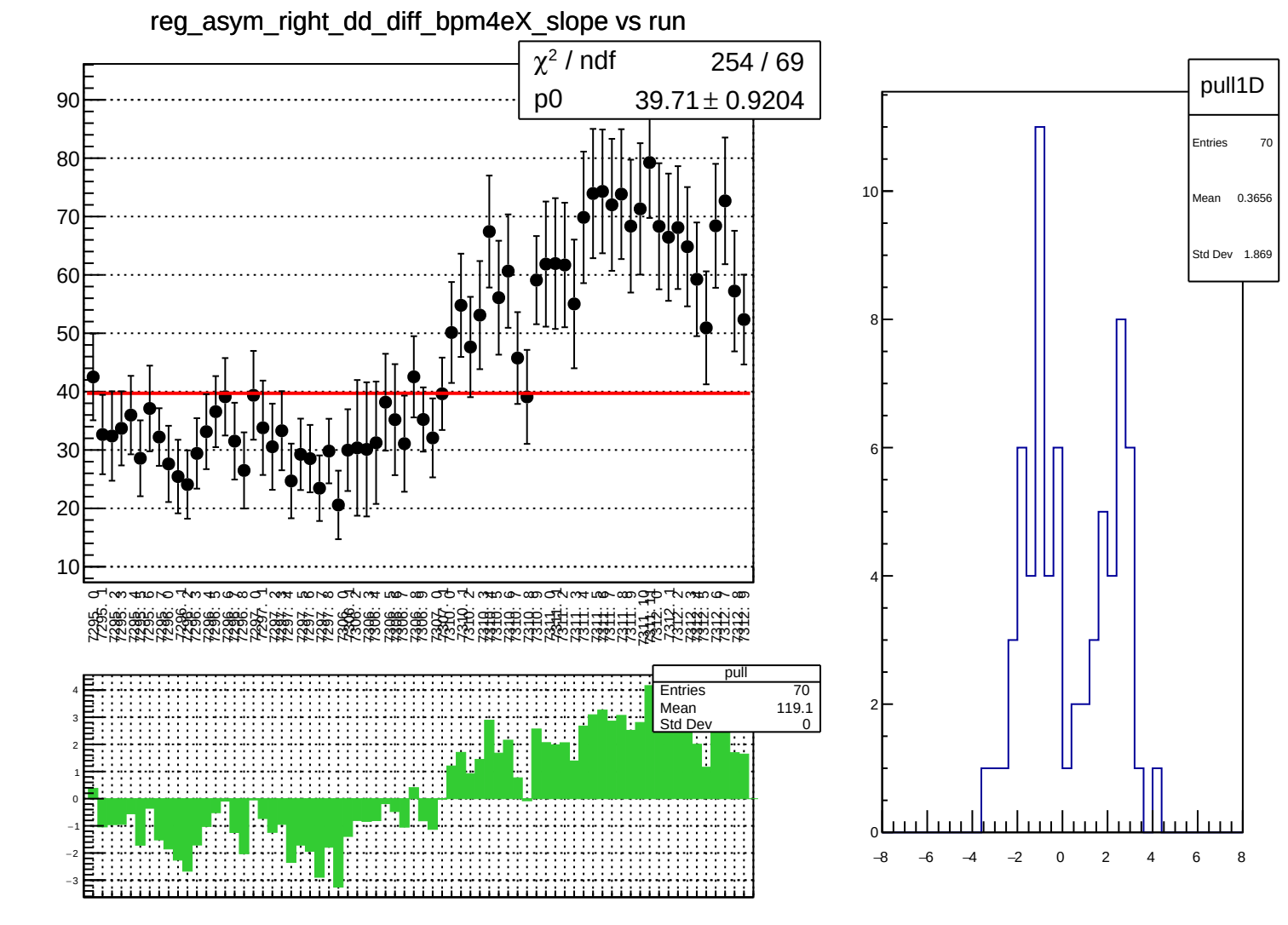

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 42.71 / 69
p0 −18.62 ± 0.03853
pull
Entries 70
Mean −1084
Std Dev 0
pull1D
Entries 70
Mean 0.004169
Std Dev 0.7811

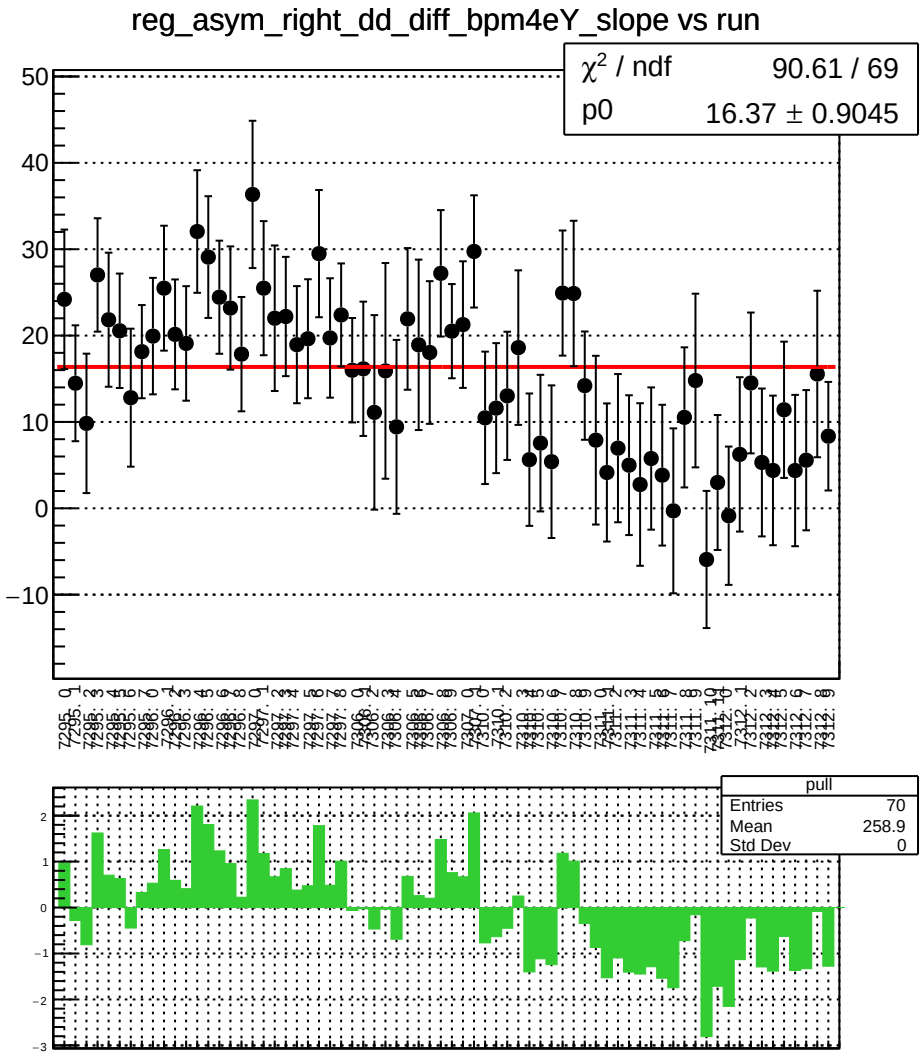

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 244.4 / 69
p0 −11.12 ± 0.9322
pull
Entries 70
Mean 121.1
Std Dev 0

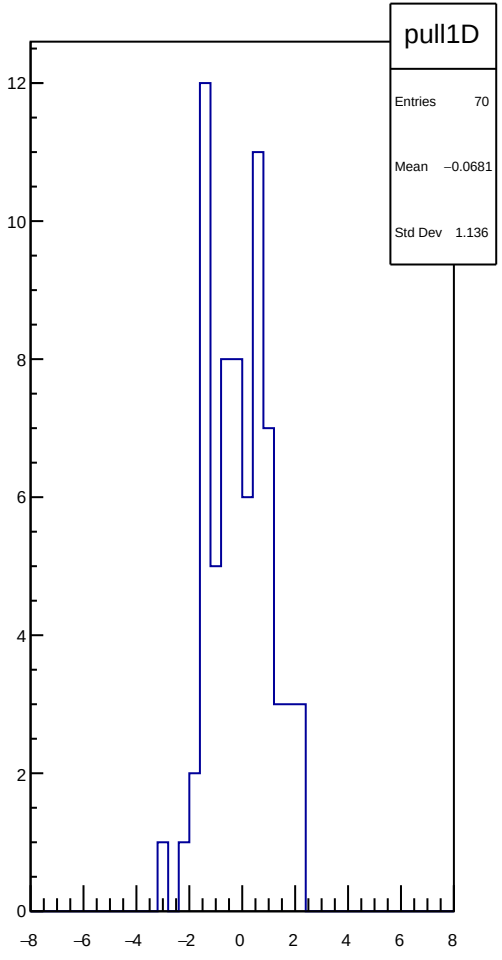

pull1D
Entries 70
Mean −0.346
Std Dev 1.836

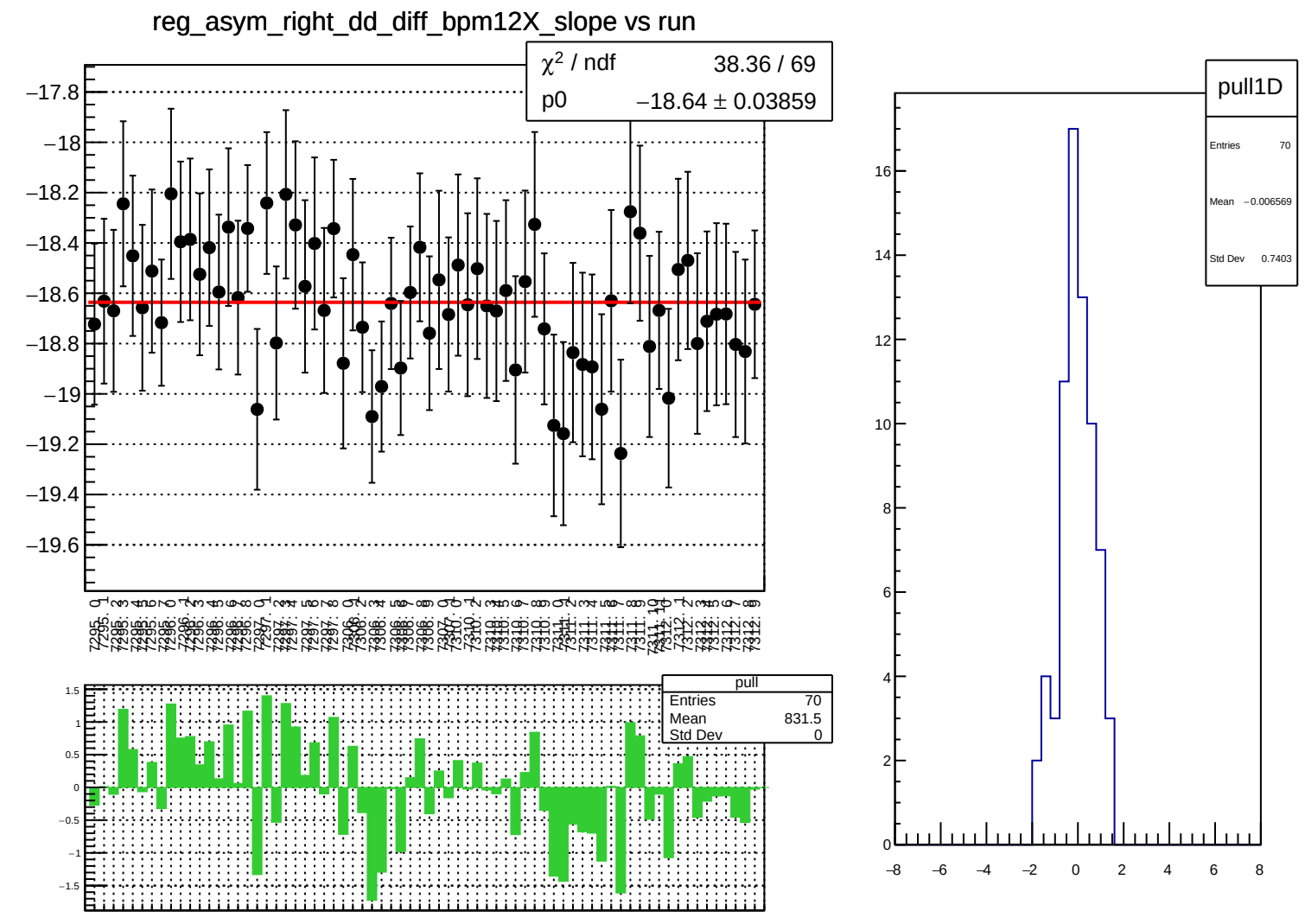

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.44 / 69
p0 −7.628 ± 0.8431
pull
Entries 70
Mean 336
Std Dev 0

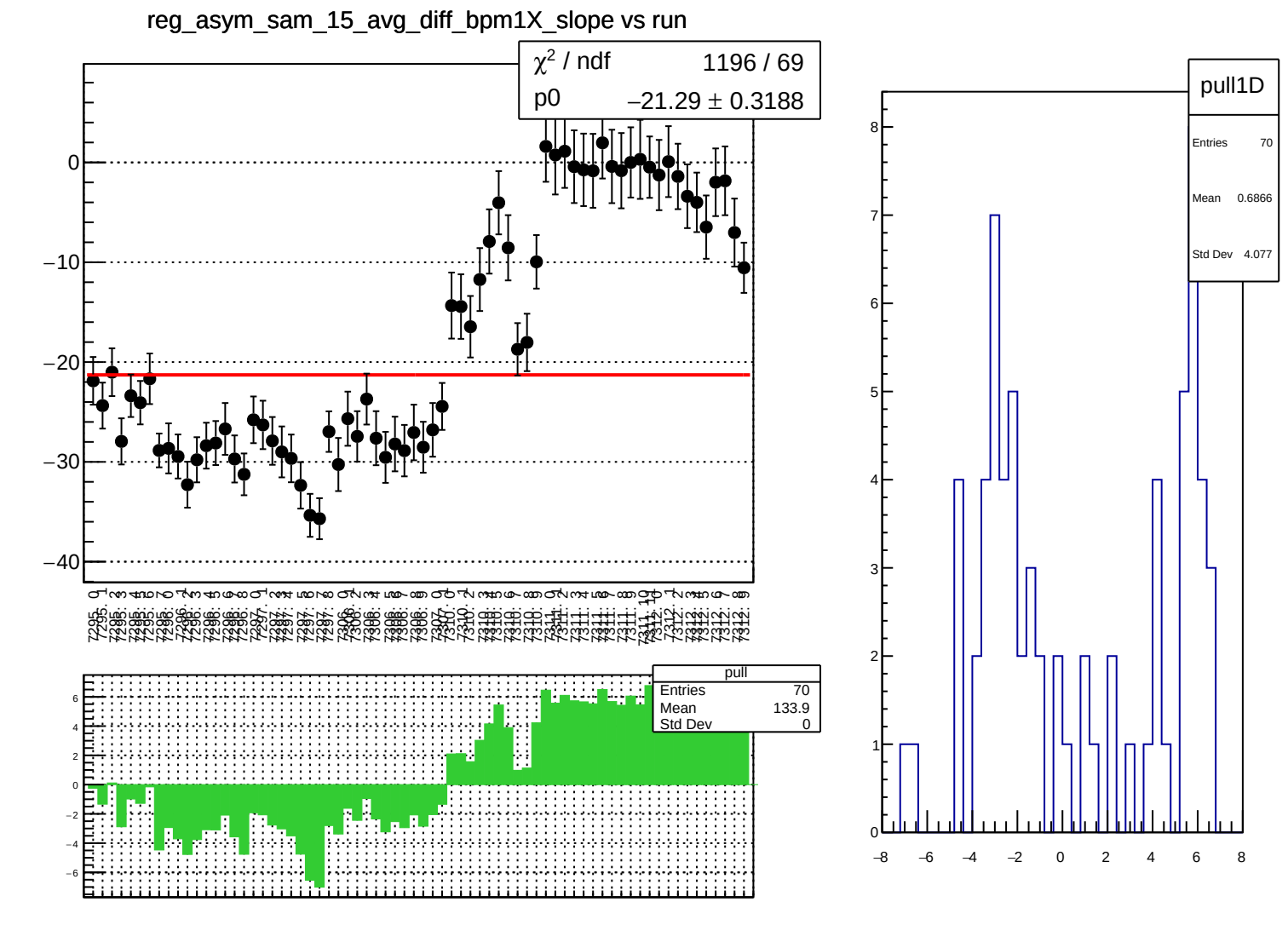

pull1D
Entries 70
Mean 0.04983
Std Dev 1.104

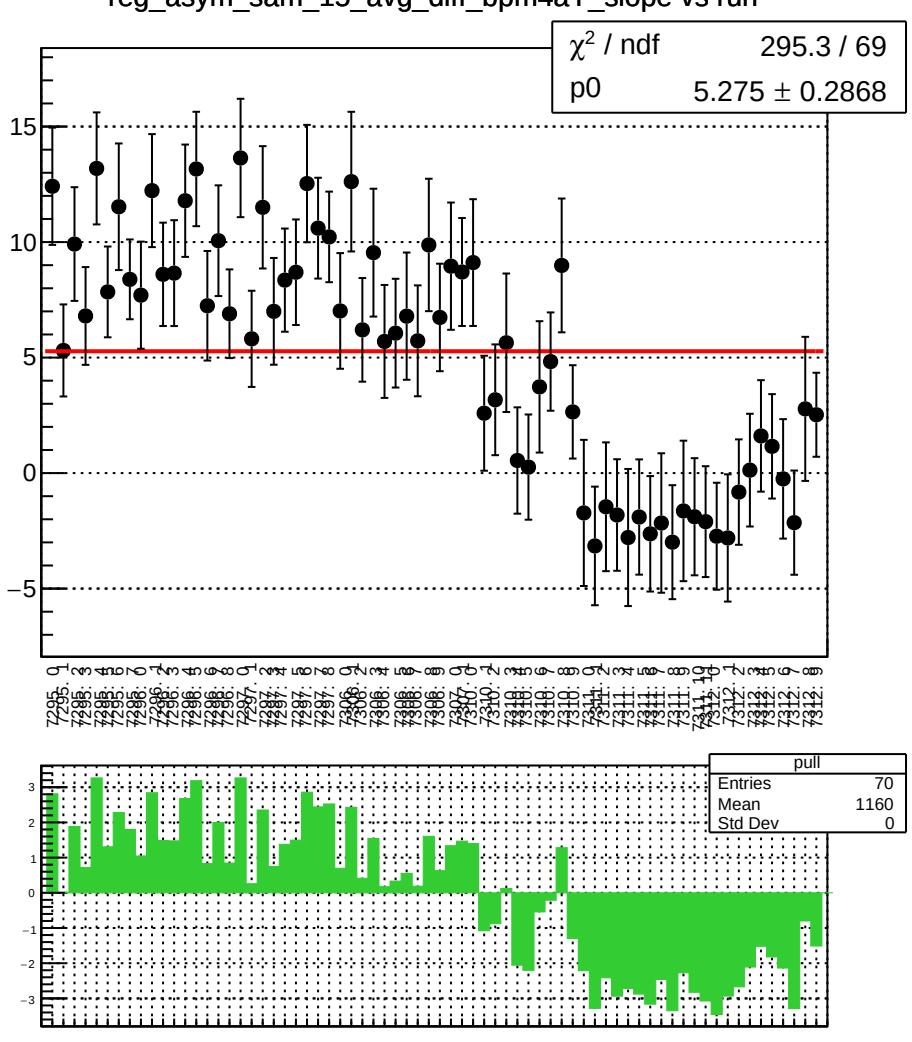

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 254 / 69
p0 39.71 ± 0.9204
pull
Entries 70
Mean 119.1
Std Dev 0
pull1D
Entries 70
Mean 0.3656
Std Dev 1.869

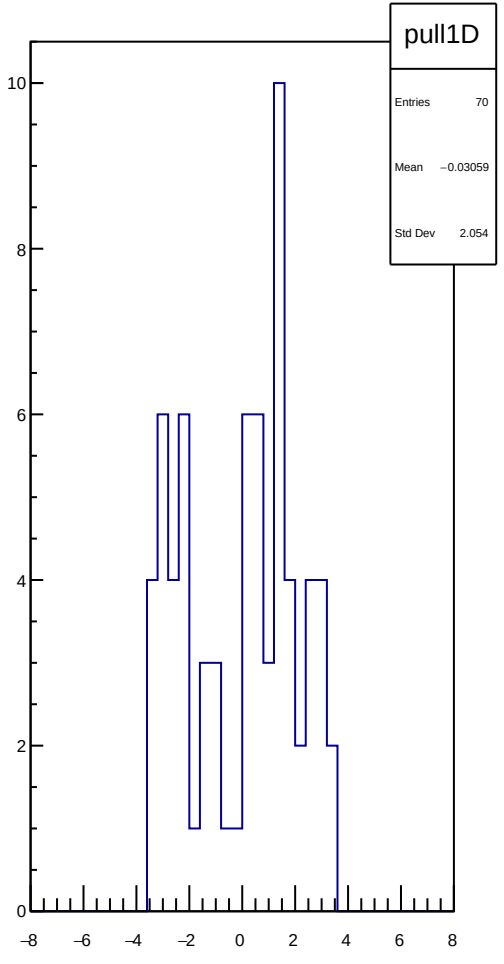

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.61 / 69
p0 16.37 ± 0.9045
pull
Entries 70
Mean 258.9
Std Dev 0

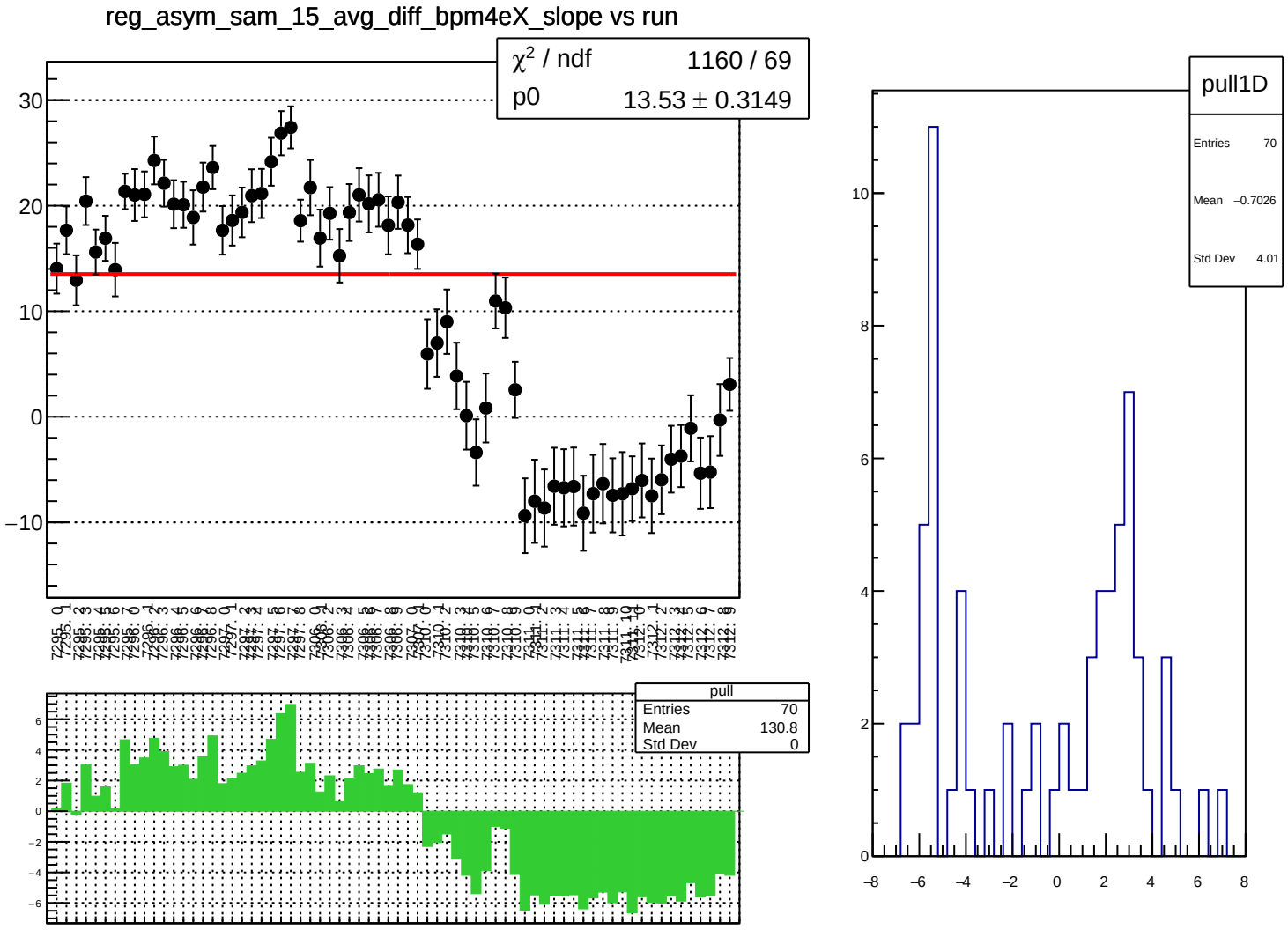

pull1D
Entries 70
Mean −0.0681
Std Dev 1.136

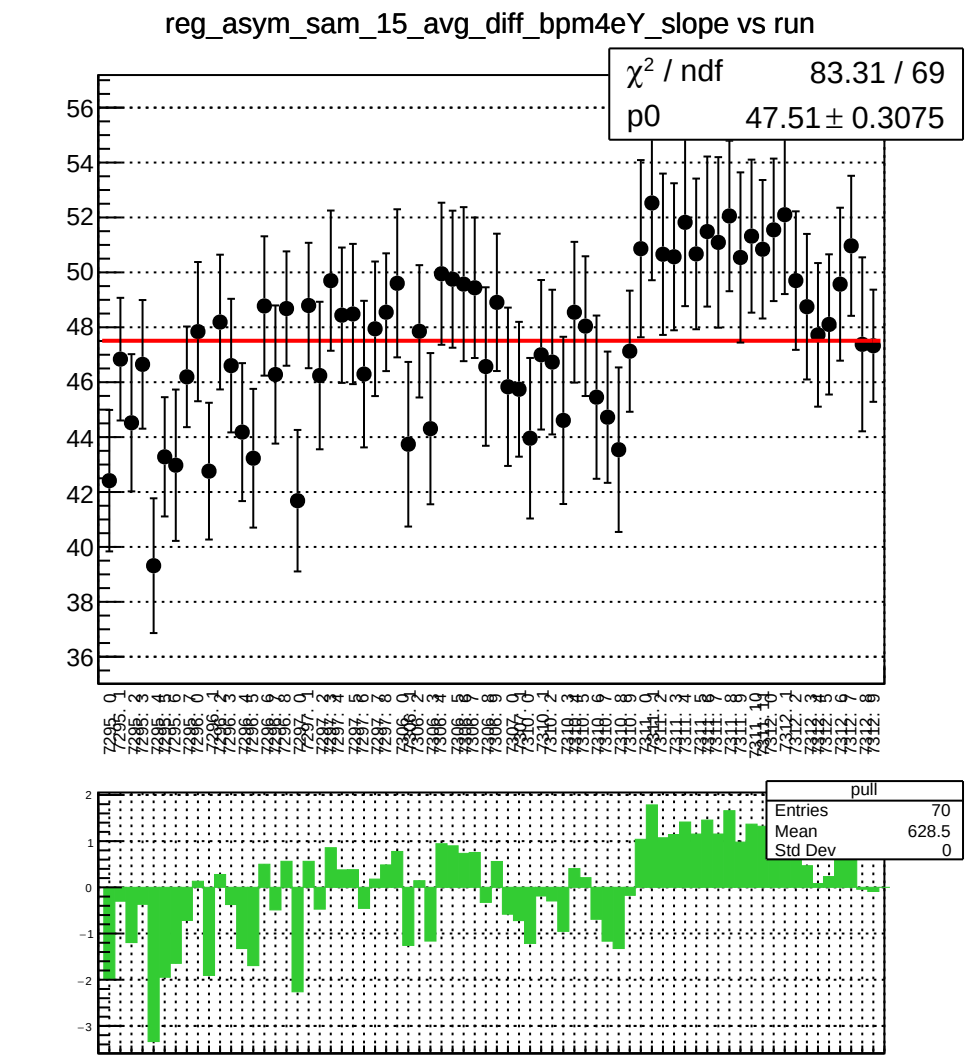

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 38.36 / 69
p0 −18.64 ± 0.03859
pull
Entries 70
Mean 831.5
Std Dev 0
pull1D
Entries 70
Mean −0.006569
Std Dev 0.7403

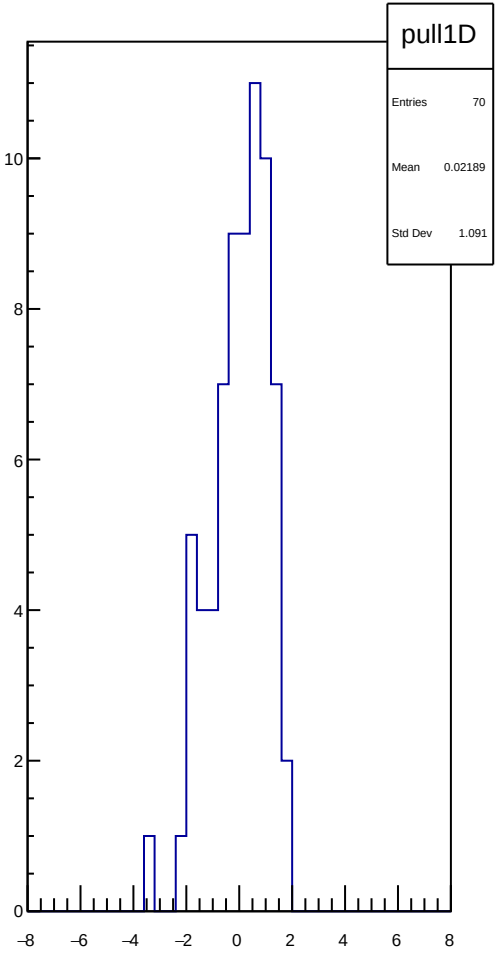

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 1196 / 69
p0 −21.29 ± 0.3188
pull
Entries 70
Mean 133.9
Std Dev 0
pull1D
Entries 70
Mean 0.6866
Std Dev 4.077

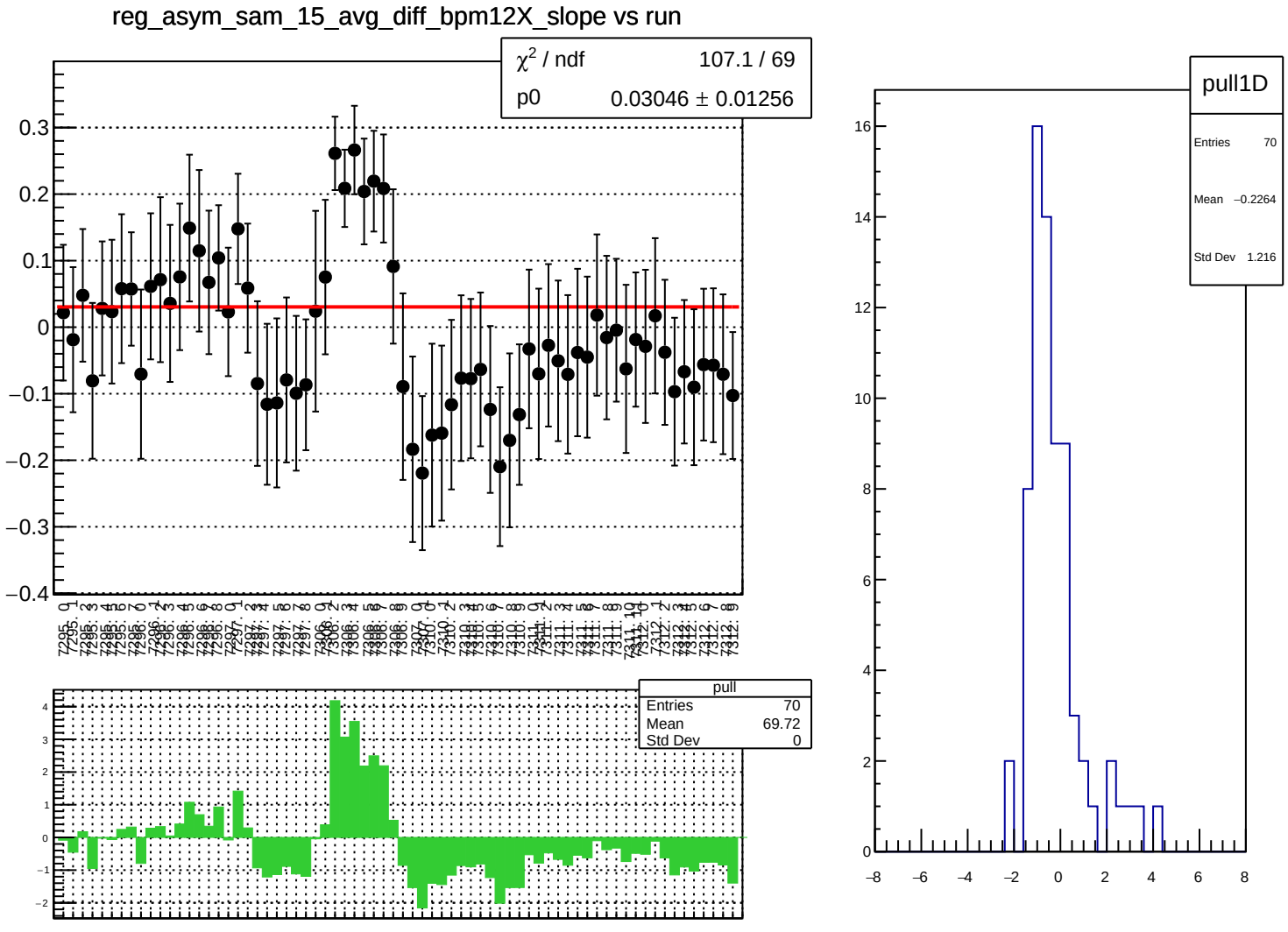

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 295.3 / 69
p0 5.275 ± 0.2868
pull
Entries 70
Mean 1160
Std Dev 0

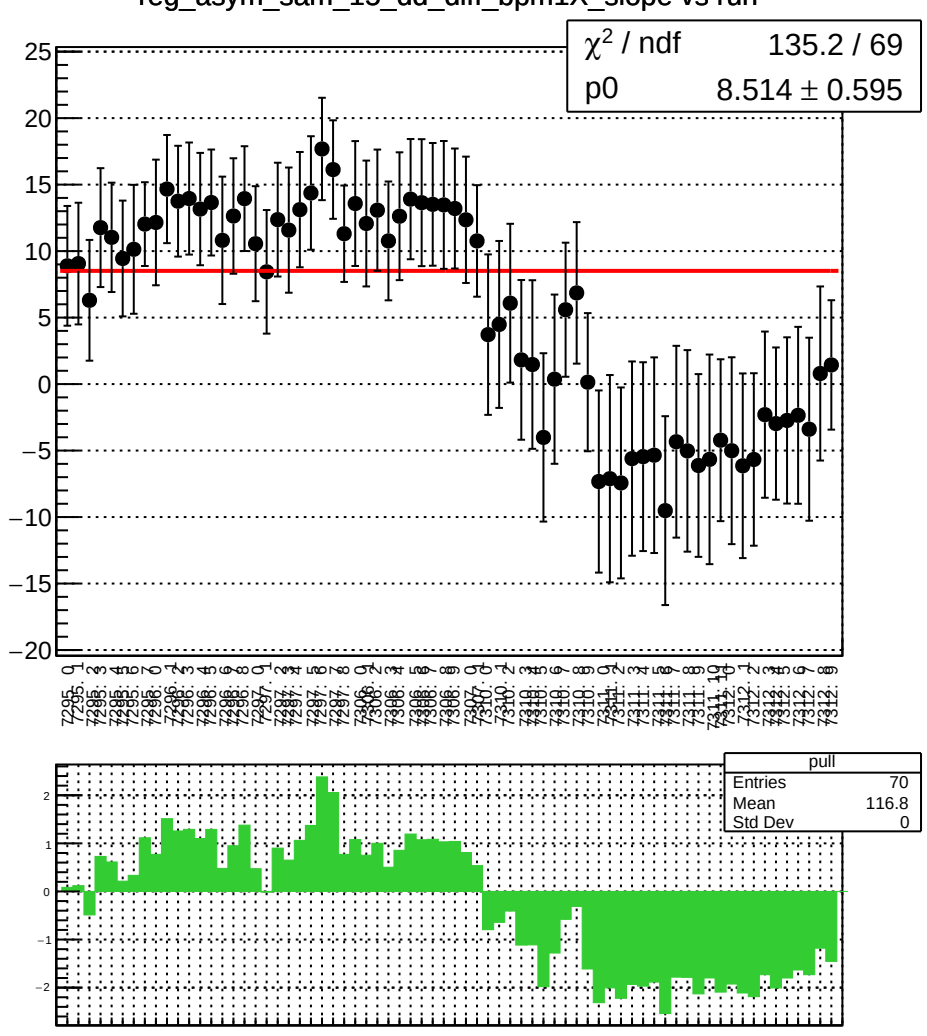

pull1D
Entries 70
Mean −0.03059
Std Dev 2.054

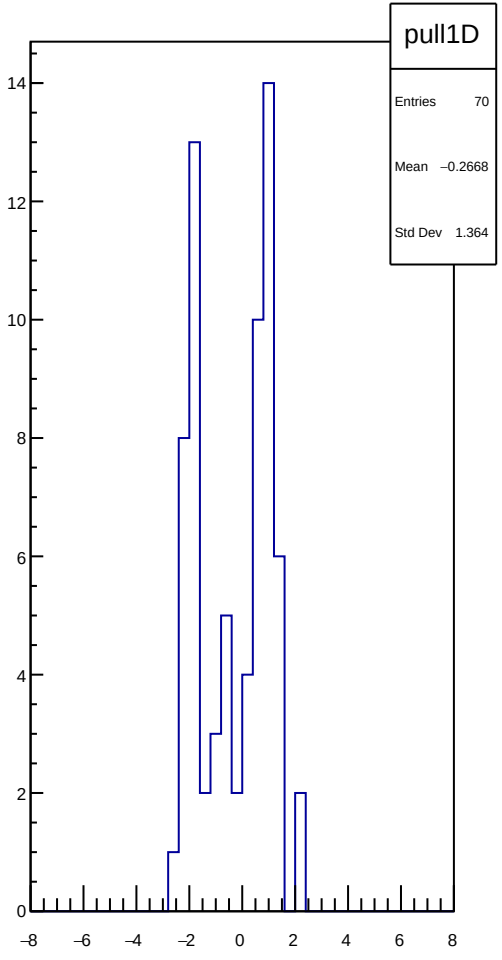

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1160 / 69
p0 13.53 ± 0.3149
pull
Entries 70
Mean 130.8
Std Dev 0
pull1D
Entries 70
Mean −0.7026
Std Dev 4.01

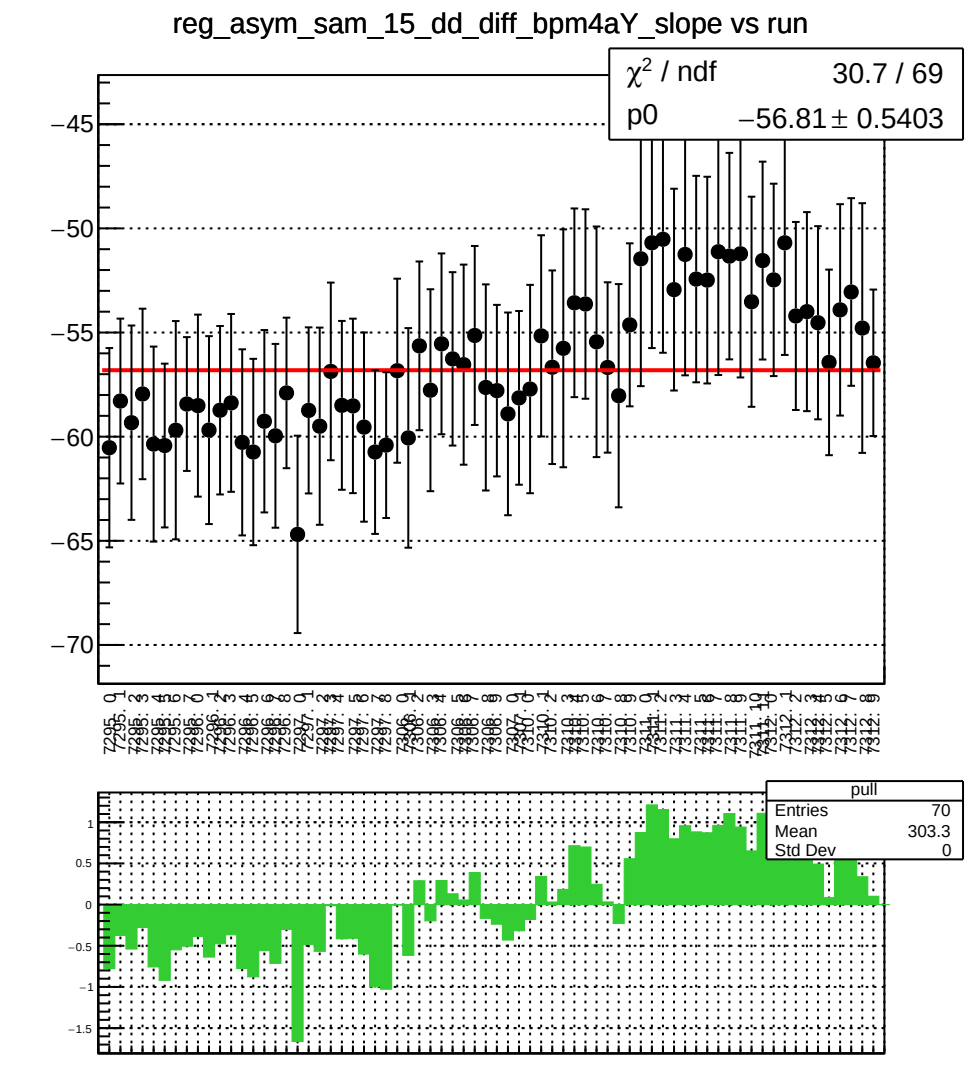

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 83.31 / 69
p0 47.51 ± 0.3075
pull
Entries 70
Mean 628.5
Std Dev 0

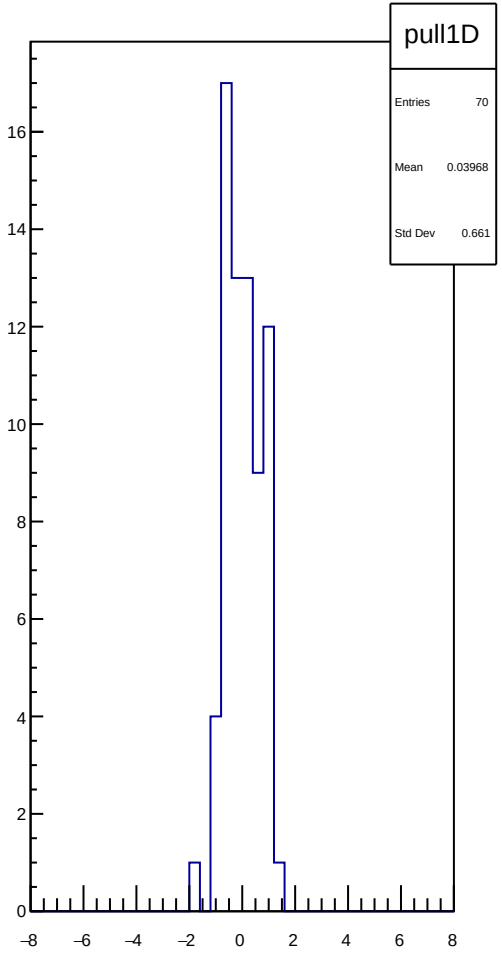

pull1D
Entries 70
Mean 0.02189
Std Dev 1.091

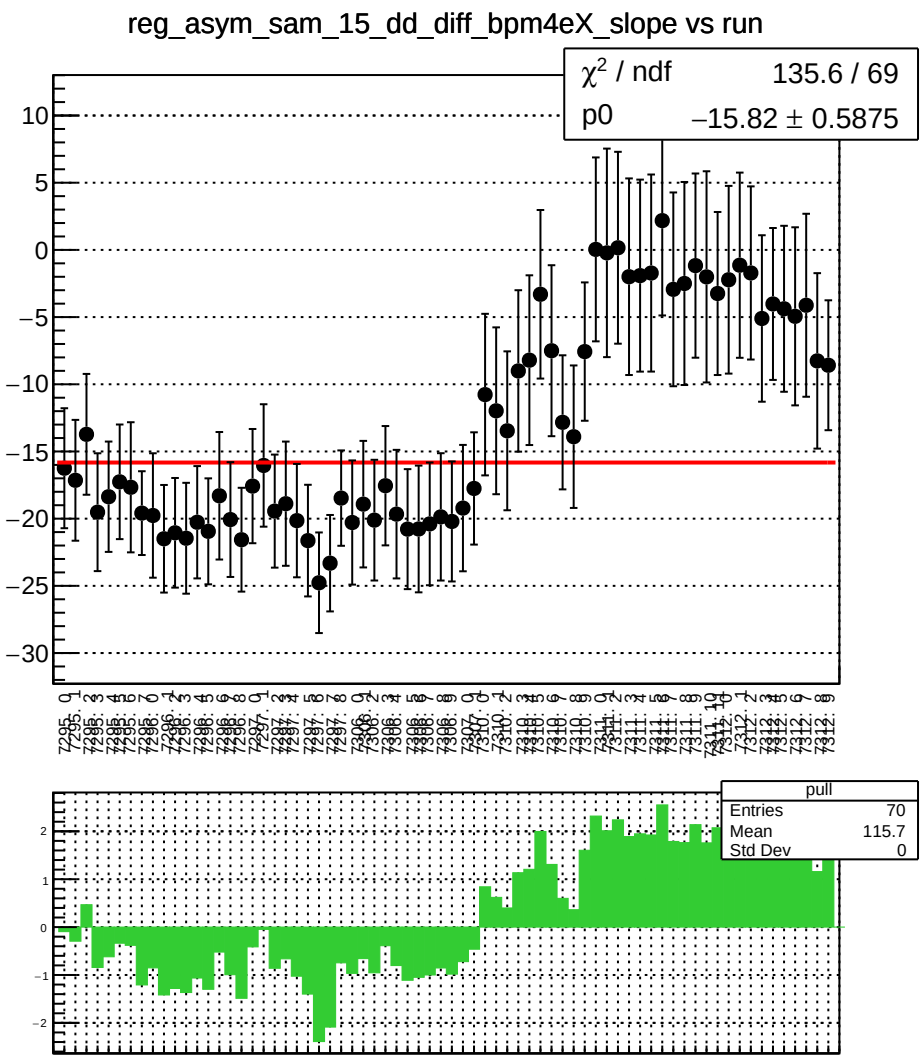

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 107.1 / 69
p0 0.03046 ± 0.01256
pull
Entries 70
Mean 69.72
Std Dev 0
pull1D
Entries 70
Mean −0.2264
Std Dev 1.216

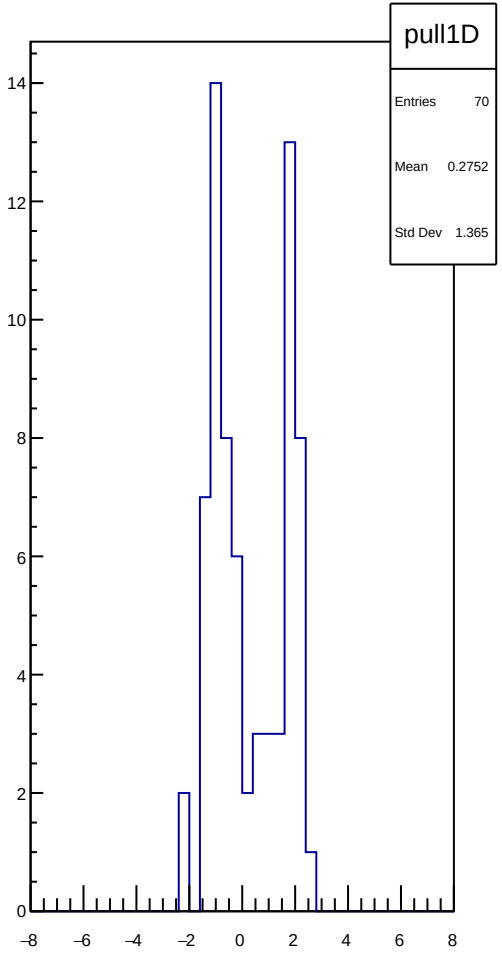

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 135.2 / 69
p0 8.514 ± 0.595
pull
Entries 70
Mean 116.8
Std Dev 0

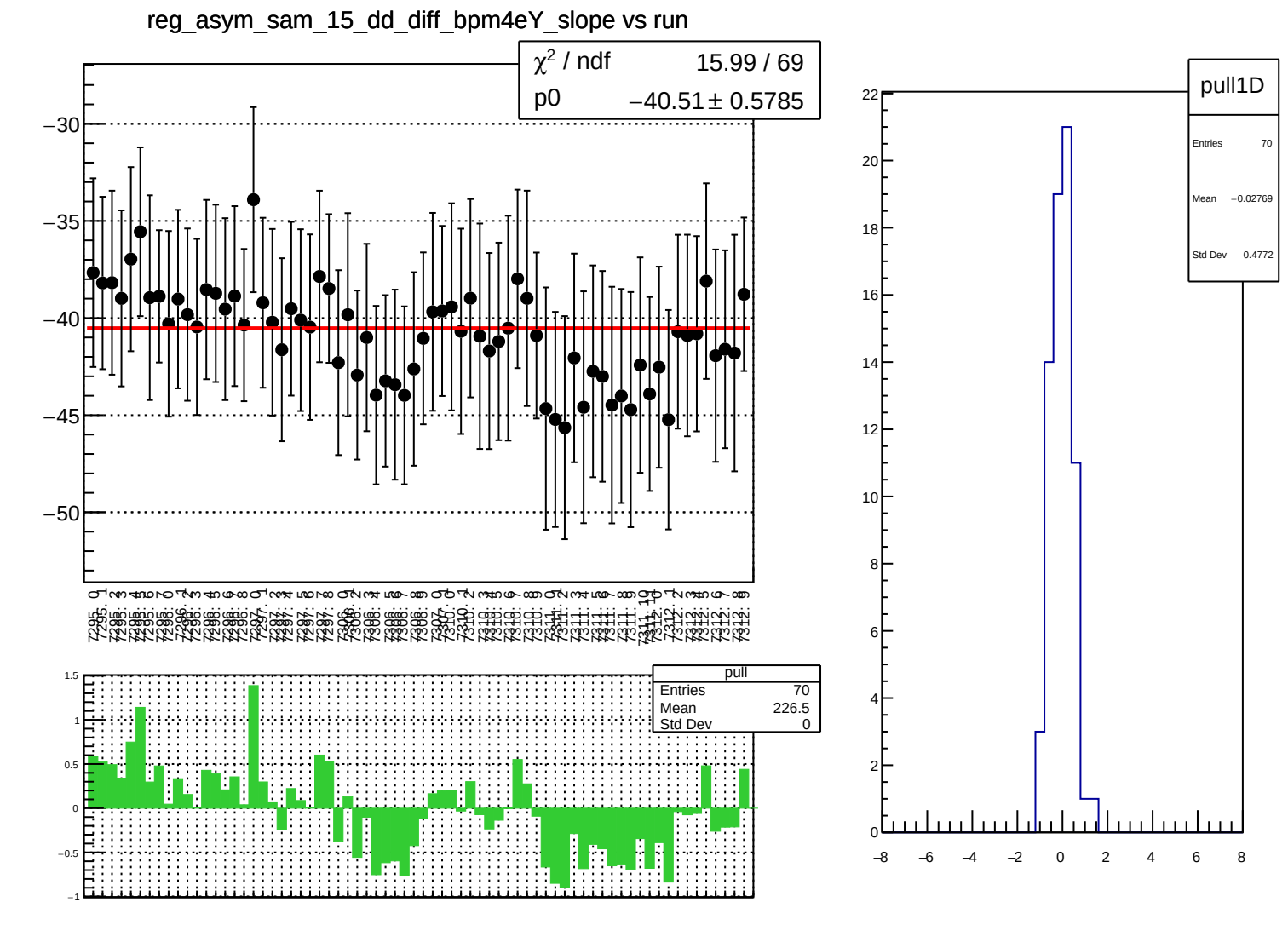

pull1D
Entries 70
Mean −0.2668
Std Dev 1.364

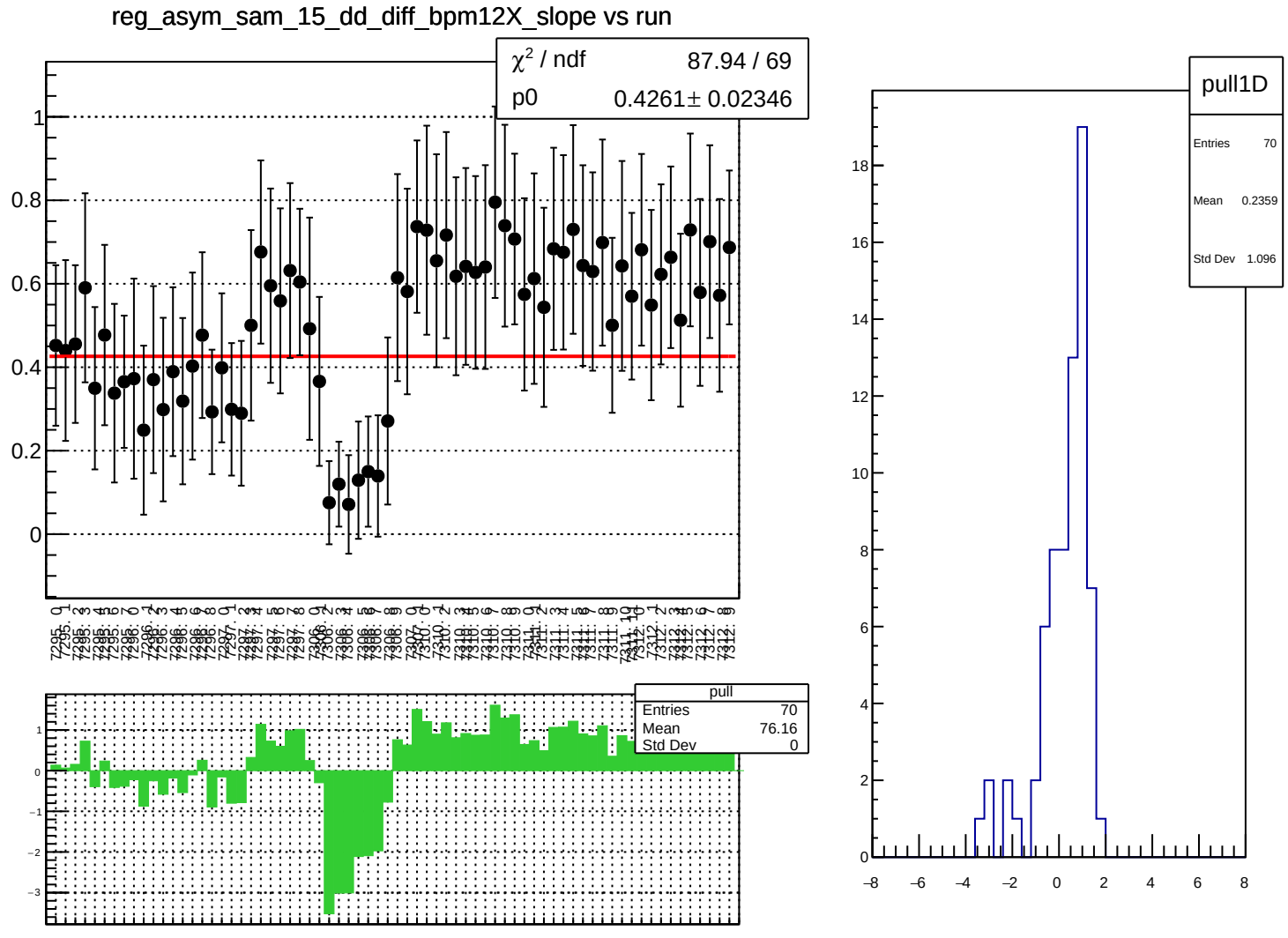

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.7 / 69
p0 −56.81 ± 0.5403
pull
Entries 70
Mean 303.3
Std Dev 0

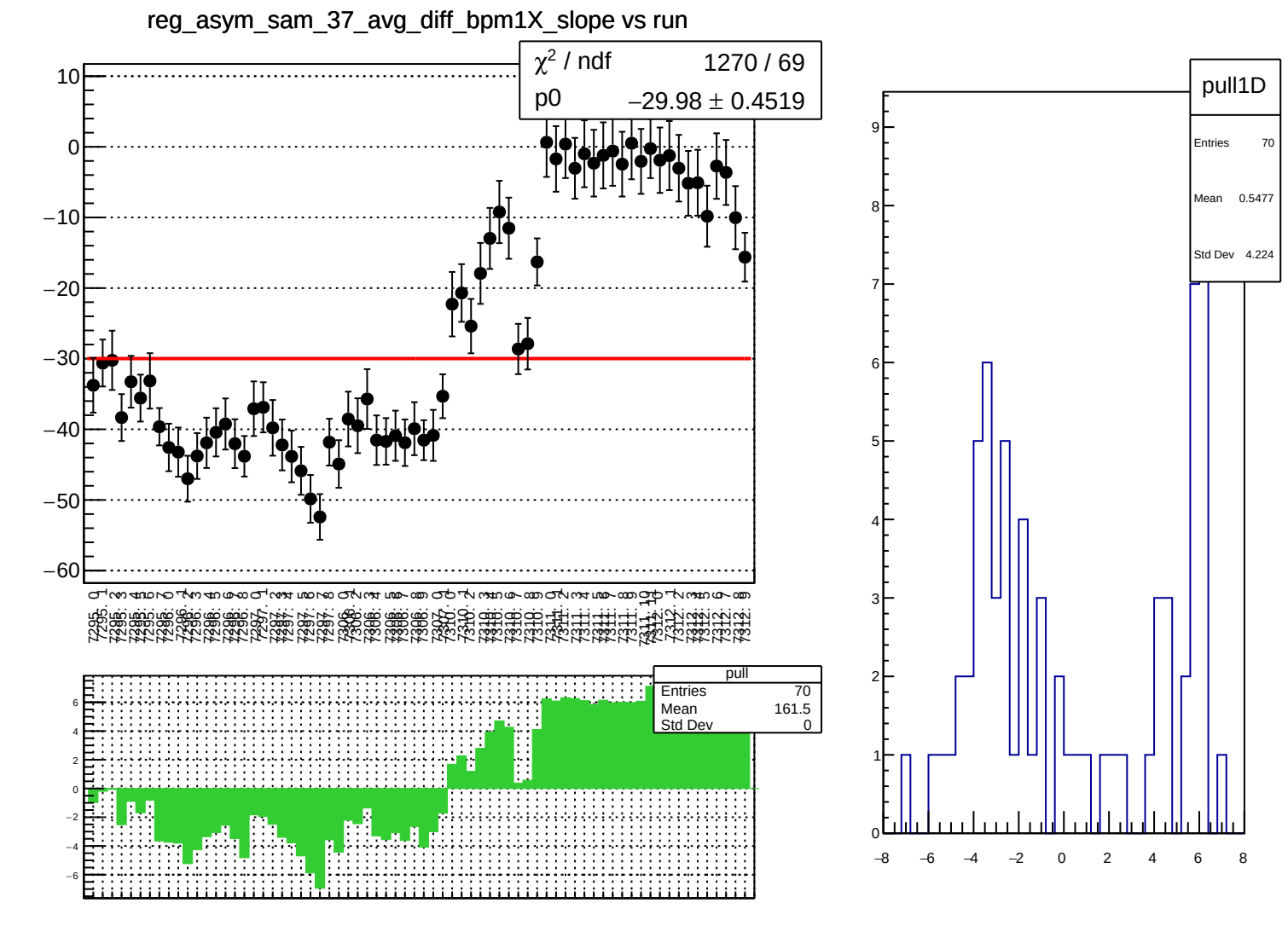

pull1D
Entries 70
Mean 0.03968
Std Dev 0.661

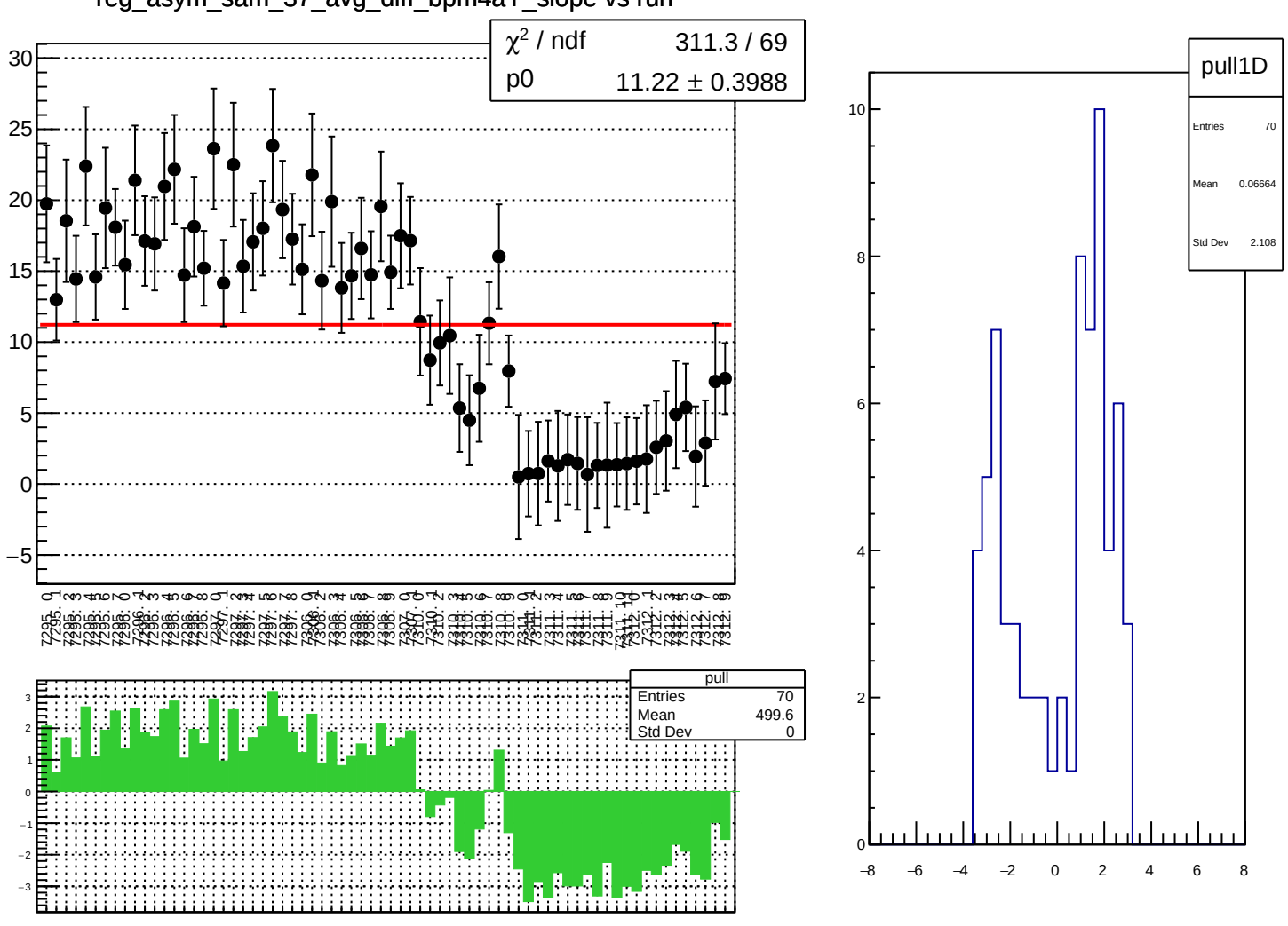

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 135.6 / 69
p0 −15.82 ± 0.5875
pull
Entries 70
Mean 115.7
Std Dev 0

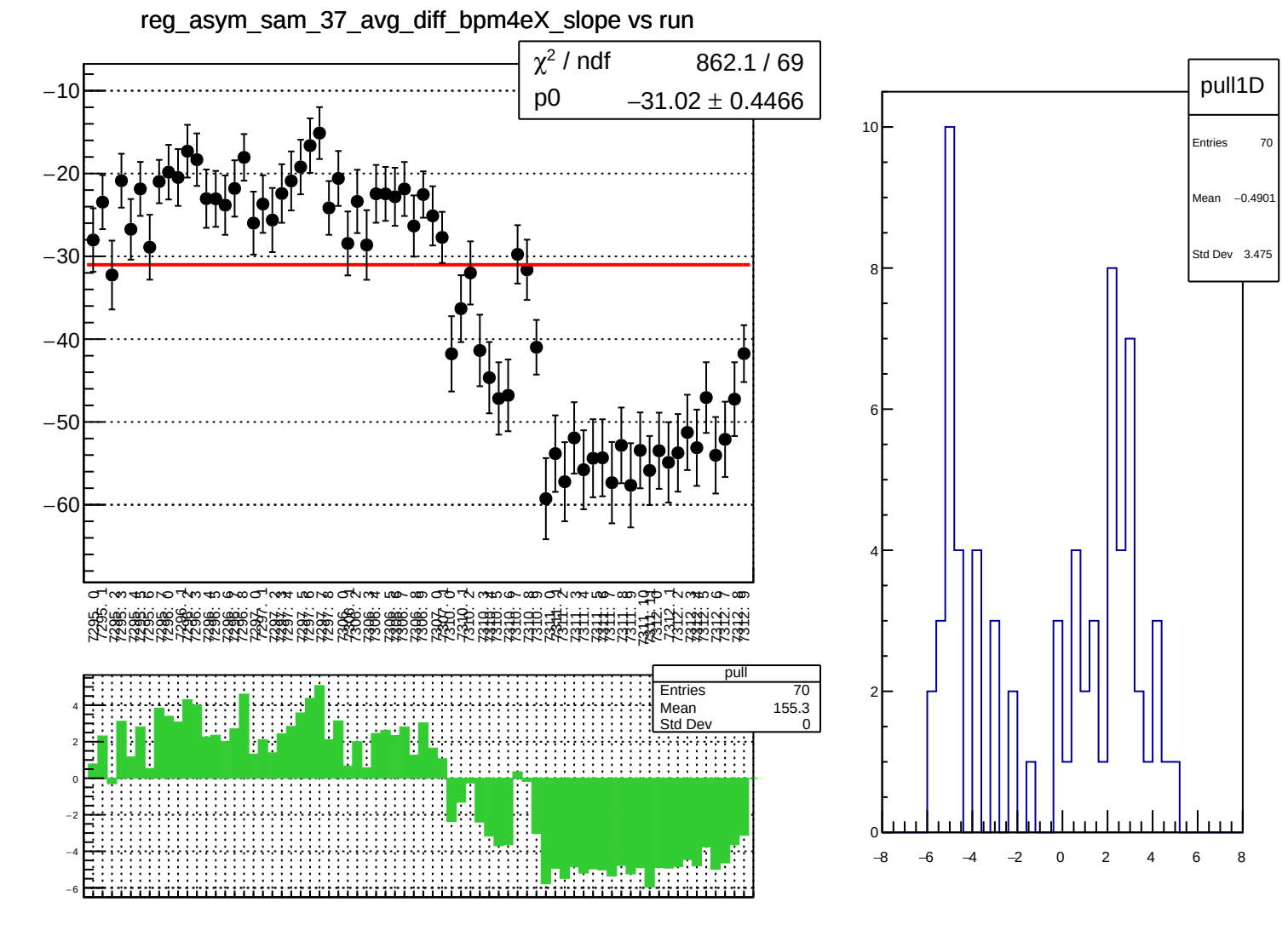

pull1D
Entries 70
Mean 0.2752
Std Dev 1.365

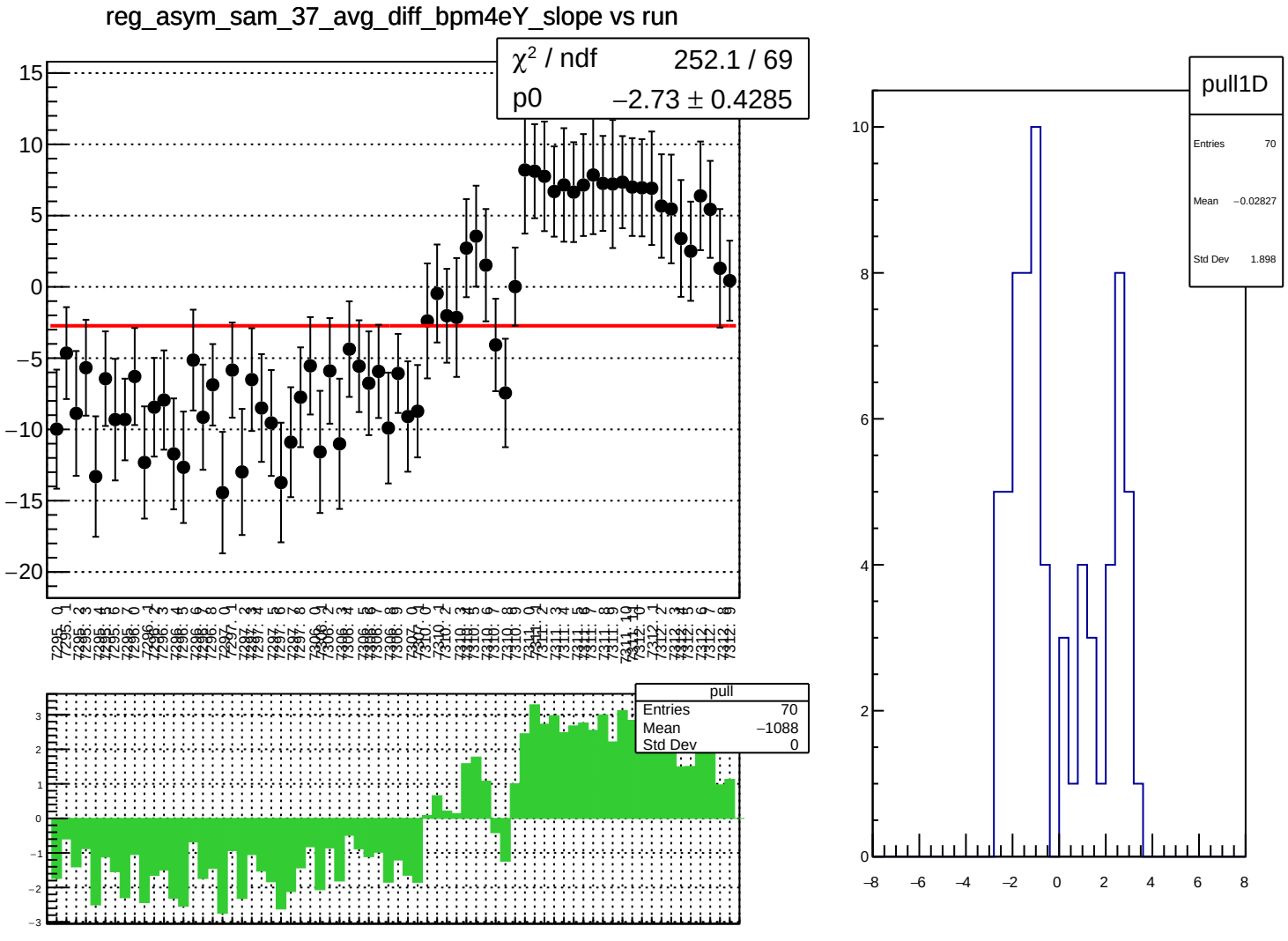

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.99 / 69
p0 −40.51 ± 0.5785
pull
Entries 70
Mean 226.5
Std Dev 0
pull1D
Entries 70
Mean −0.02769
Std Dev 0.4772

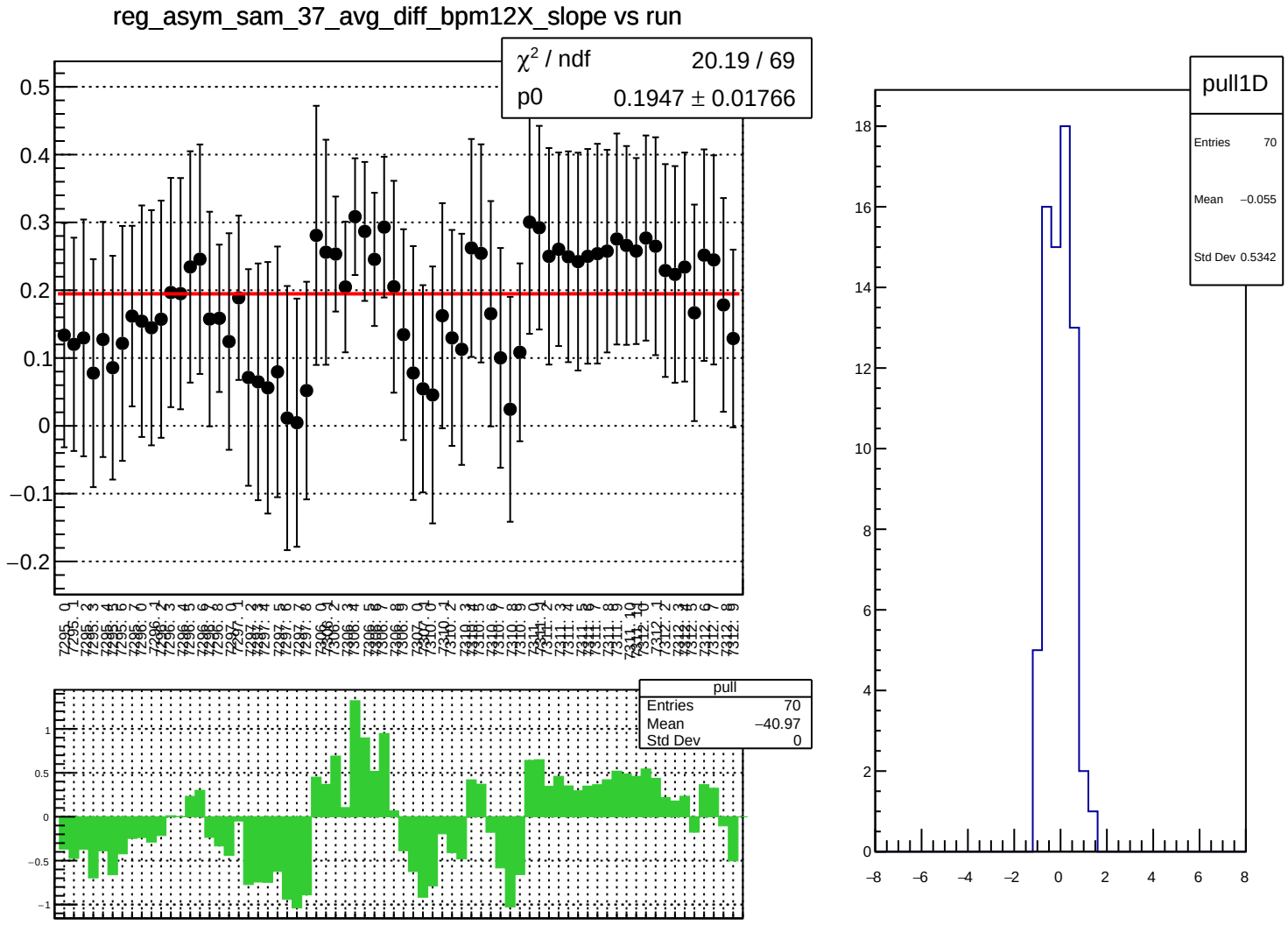

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 87.94 / 69
p0 0.4261± 0.02346
pull
Entries 70
Mean 76.16
Std Dev 0
pull1D
Entries 70
Mean 0.2359
Std Dev 1.096

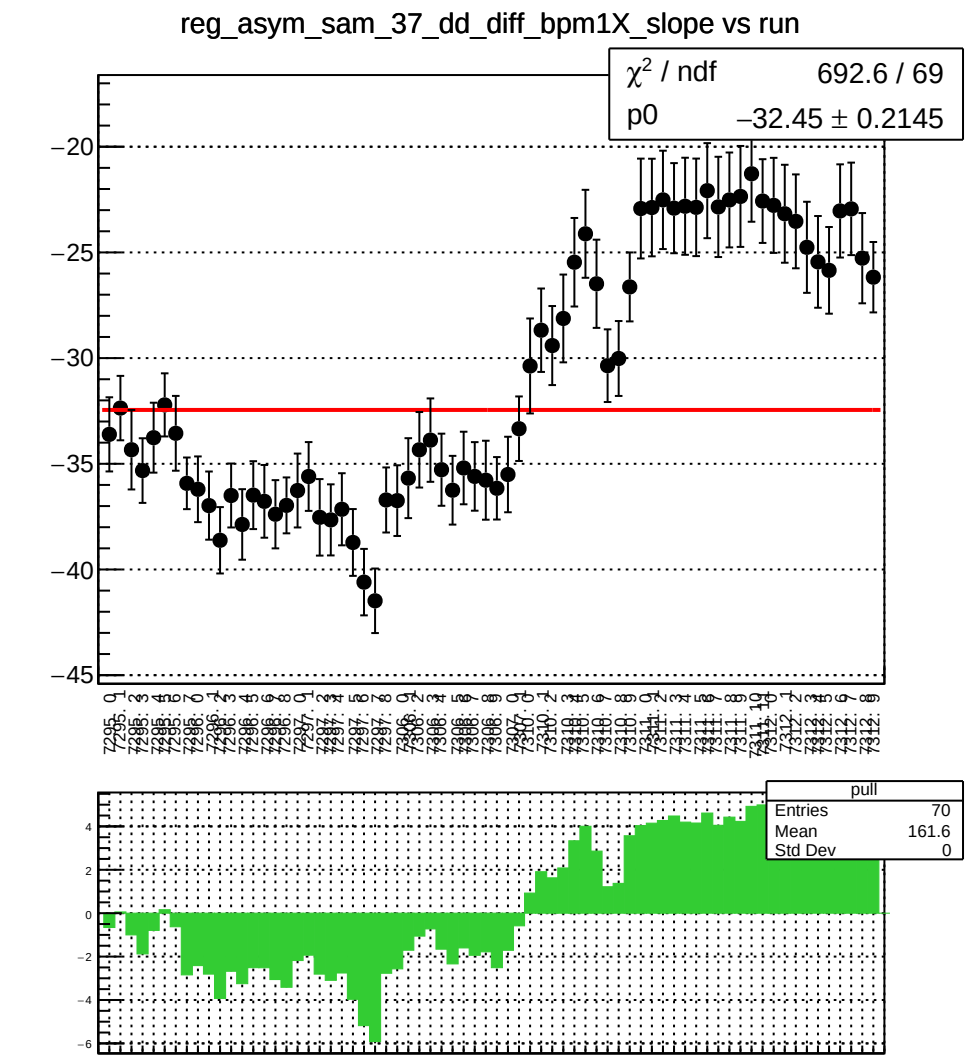

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1270 / 69
p0 −29.98 ± 0.4519
pull
Entries 70
Mean 161.5
Std Dev 0
pull1D
Entries 70
Mean 0.5477
Std Dev 4.224

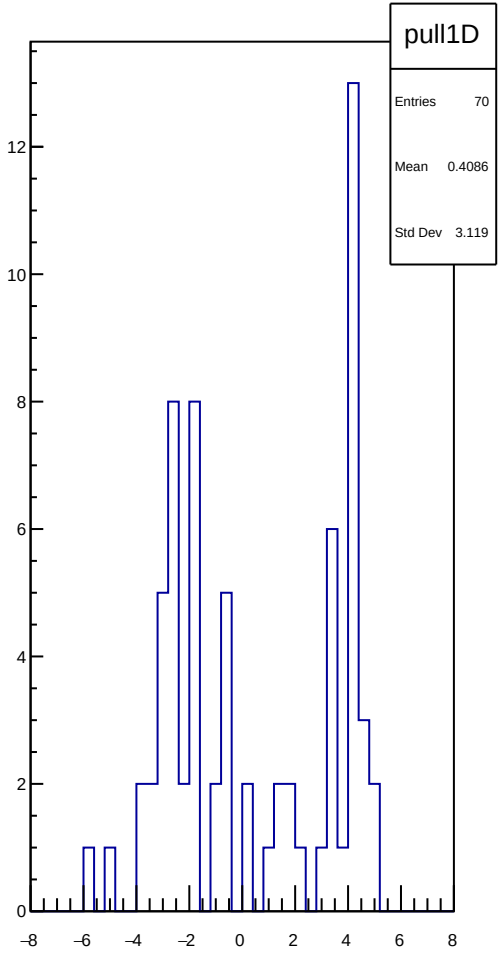

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 311.3 / 69
p0 11.22 ± 0.3988
pull
Entries 70
Mean −499.6
Std Dev 0
pull1D
Entries 70
Mean 0.06664
Std Dev 2.108

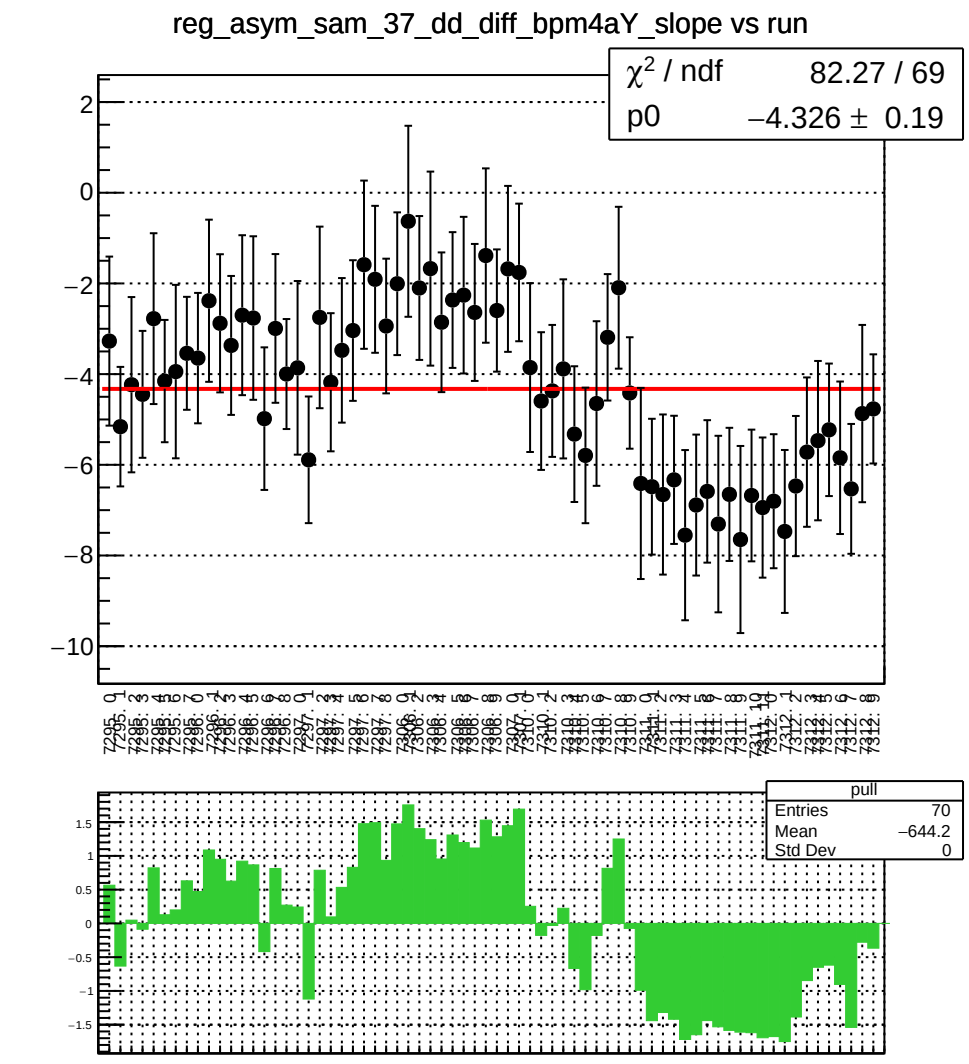

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 862.1 / 69
p0 −31.02 ± 0.4466
pull
Entries 70
Mean 155.3
Std Dev 0
pull1D
Entries 70
Mean −0.4901
Std Dev 3.475

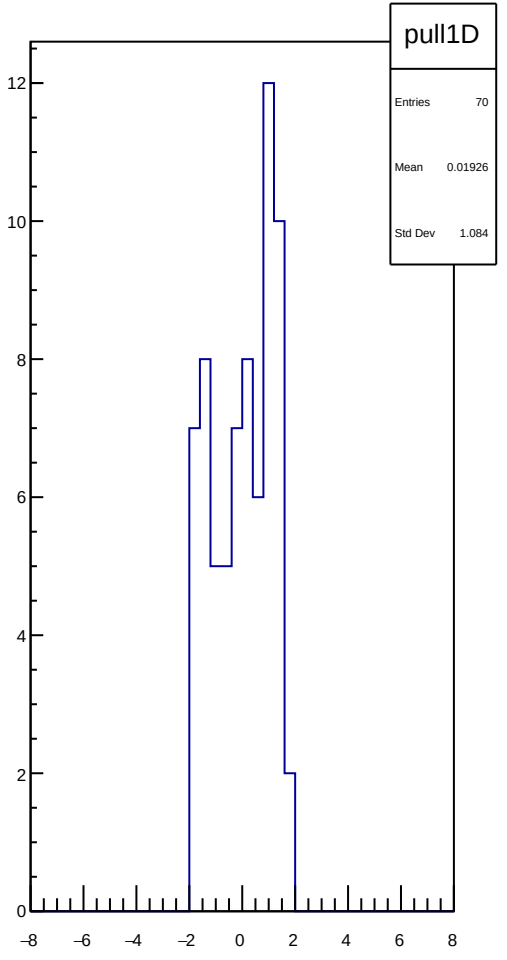

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 252.1 / 69
p0 −2.73 ± 0.4285
pull
Entries 70
Mean −1088
Std Dev 0
pull1D
Entries 70
Mean −0.02827
Std Dev 1.898

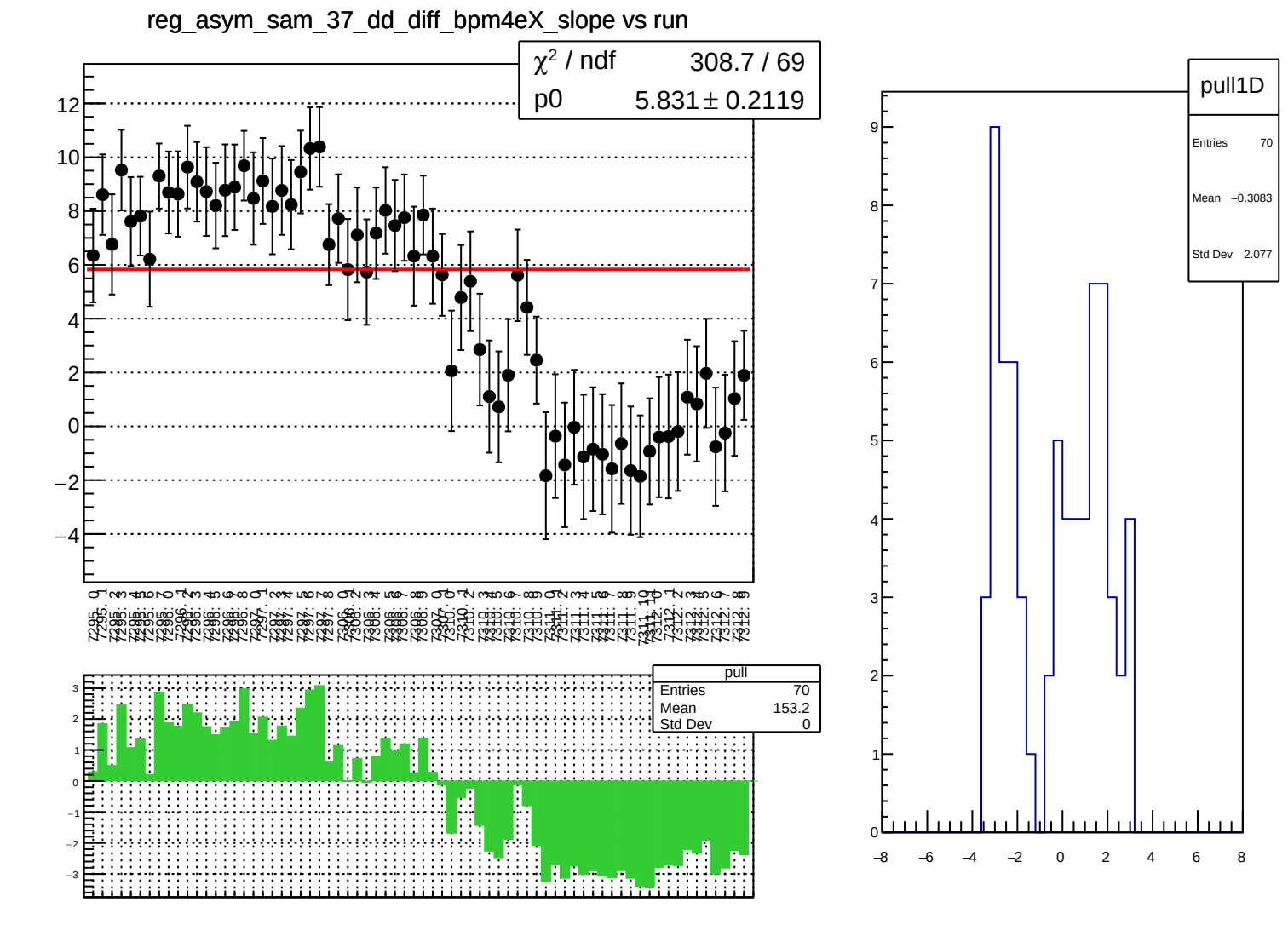

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 20.19 / 69
p0 0.1947 ± 0.01766
pull
Entries 70
Mean −40.97
Std Dev 0
pull1D
Entries 70
Mean −0.055
Std Dev 0.5342

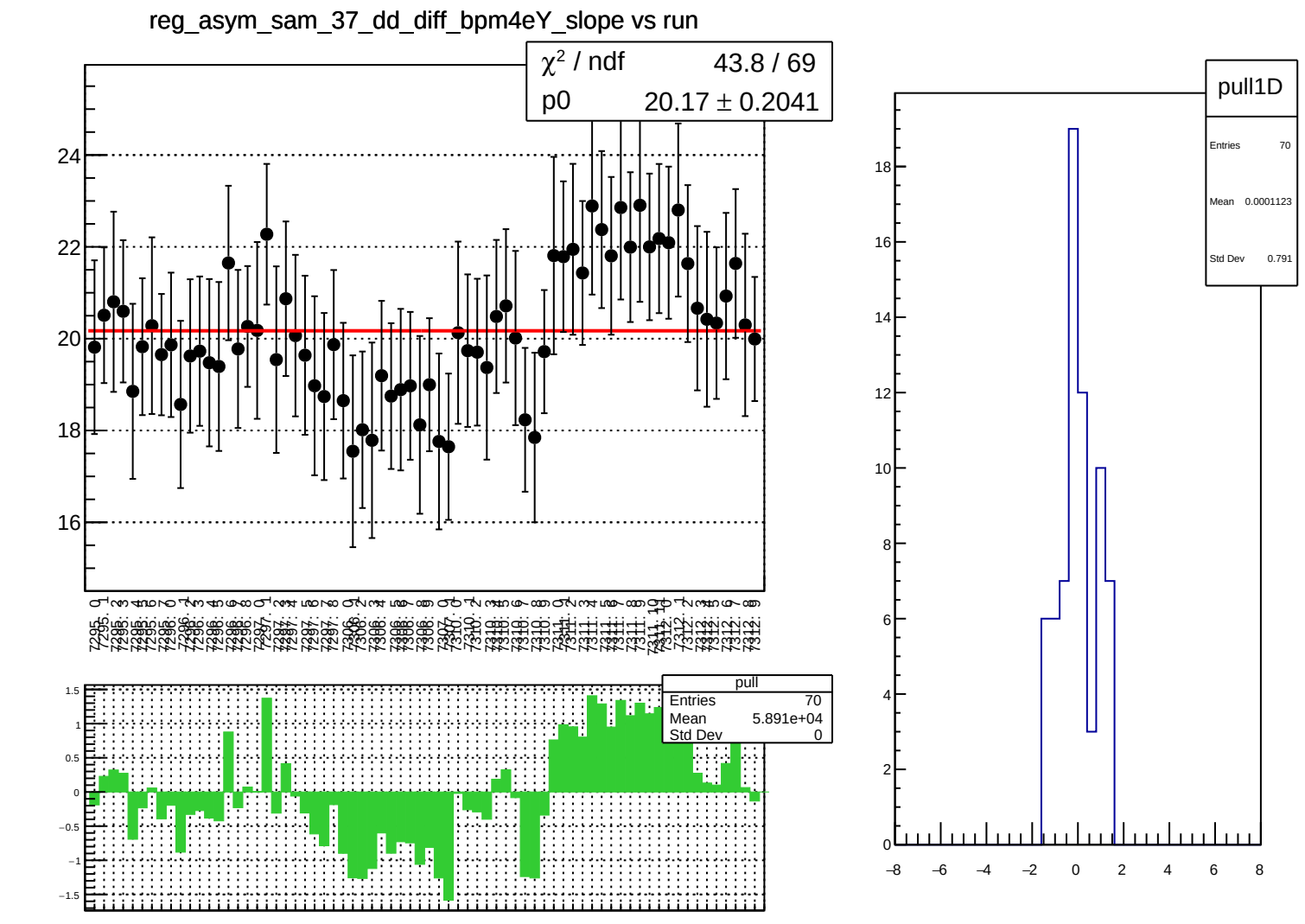

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 692.6 / 69
p0 −32.45 ± 0.2145
pull
Entries 70
Mean 161.6
Std Dev 0

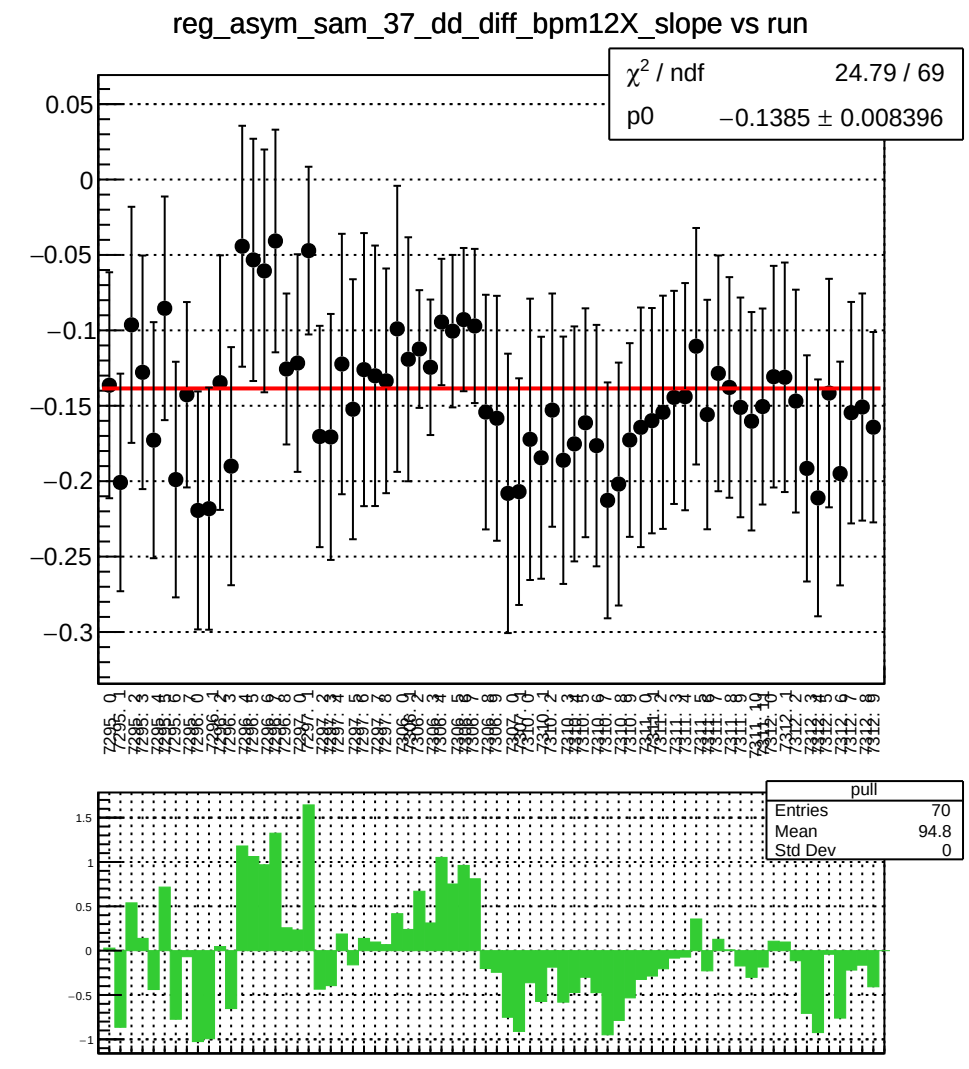

pull1D
Entries 70
Mean 0.4086
Std Dev 3.119

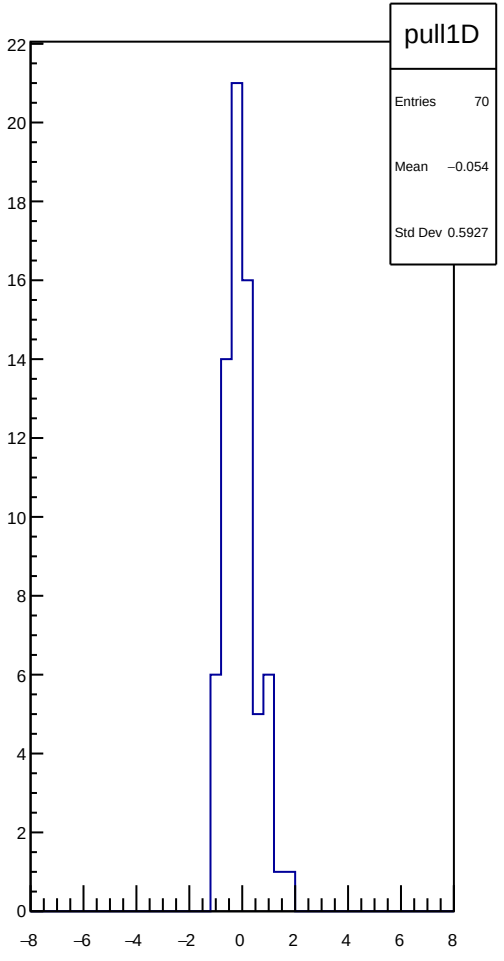

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.27 / 69
p0 −4.326 ± 0.19
pull
Entries 70
Mean −644.2
Std Dev 0

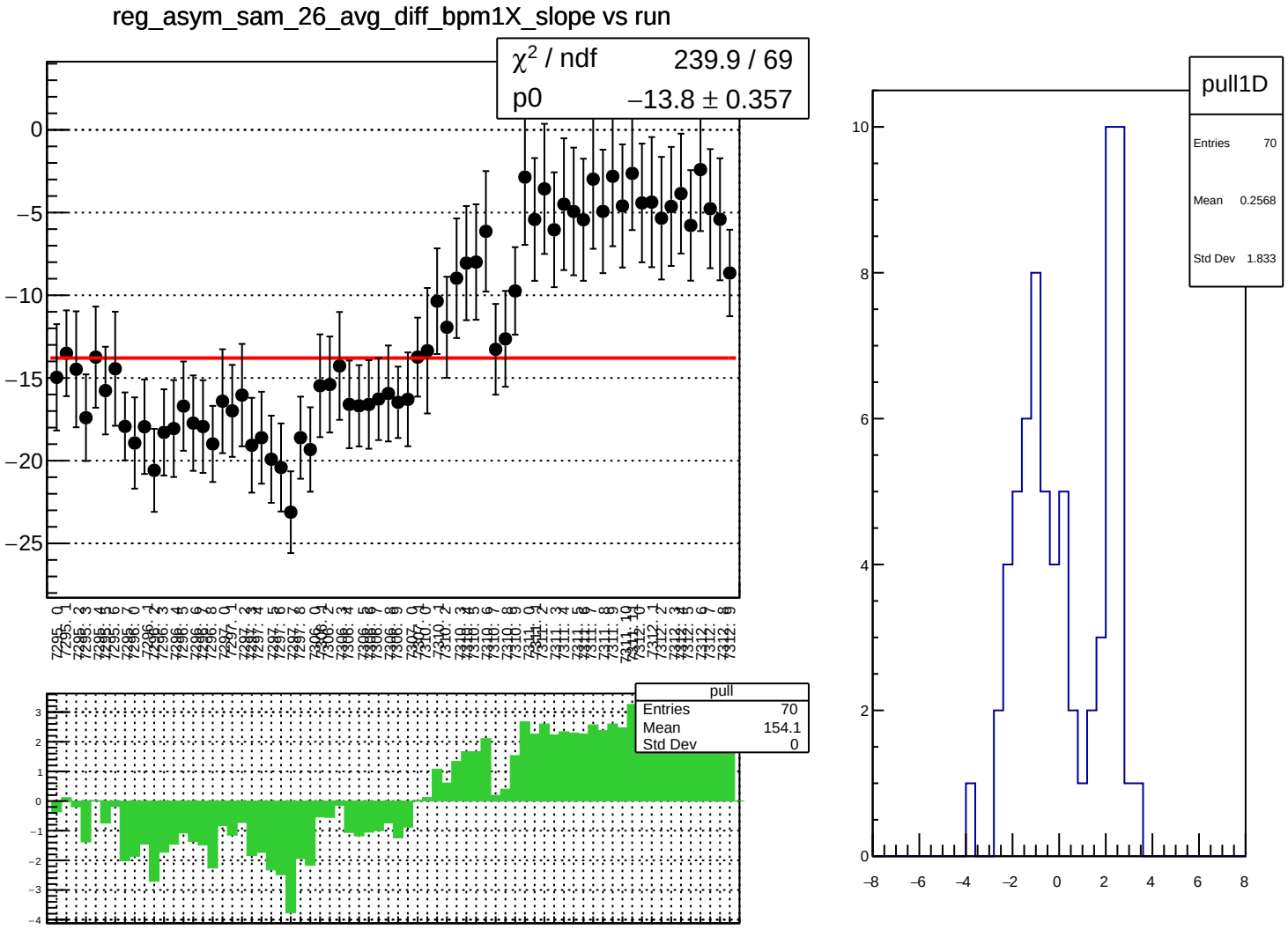

pull1D
Entries 70
Mean 0.01926
Std Dev 1.084

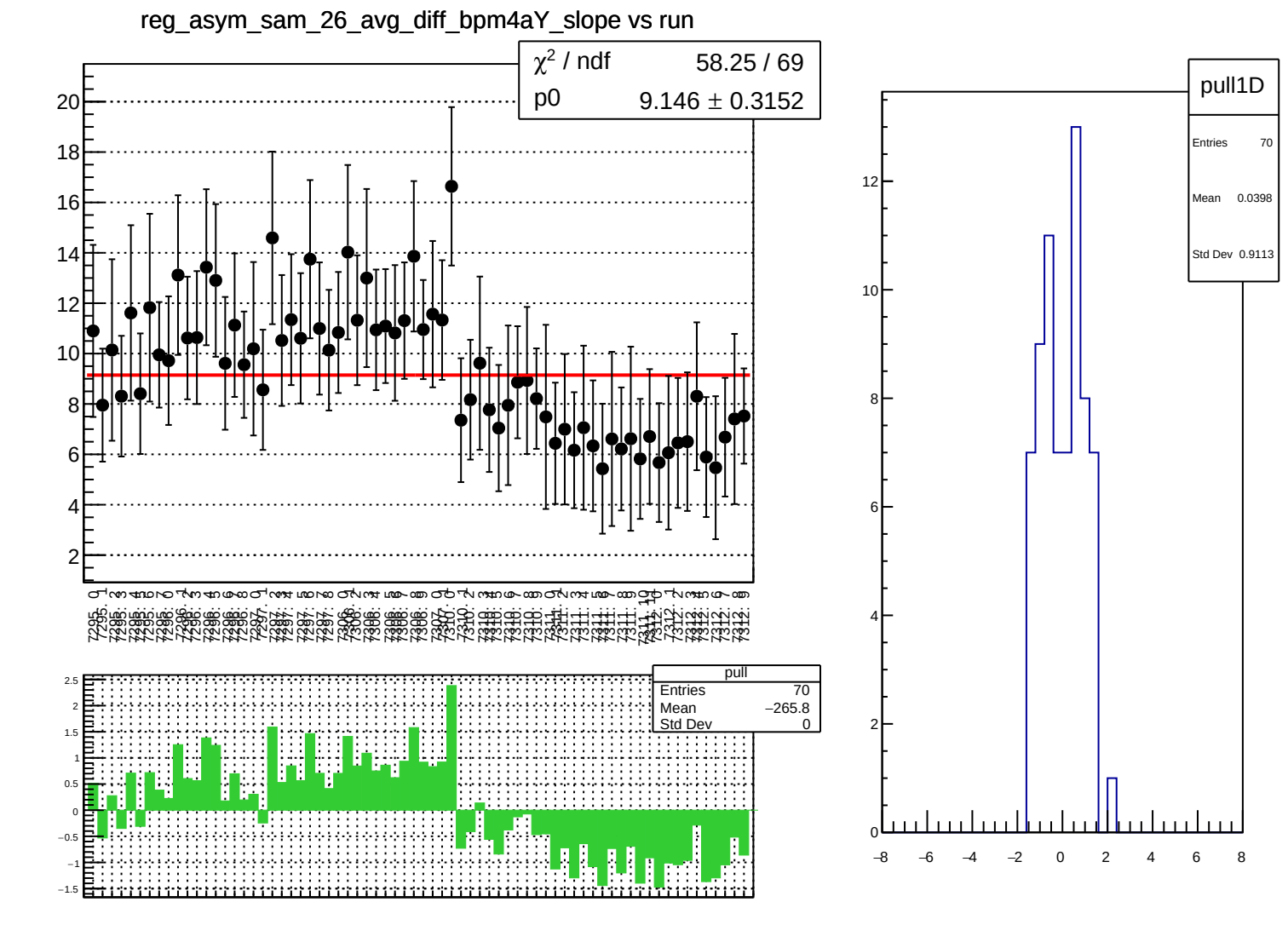

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 308.7 / 69
p0 5.831 ± 0.2119
pull
Entries 70
Mean 153.2
Std Dev 0
pull1D
Entries 70
Mean −0.3083
Std Dev 2.077

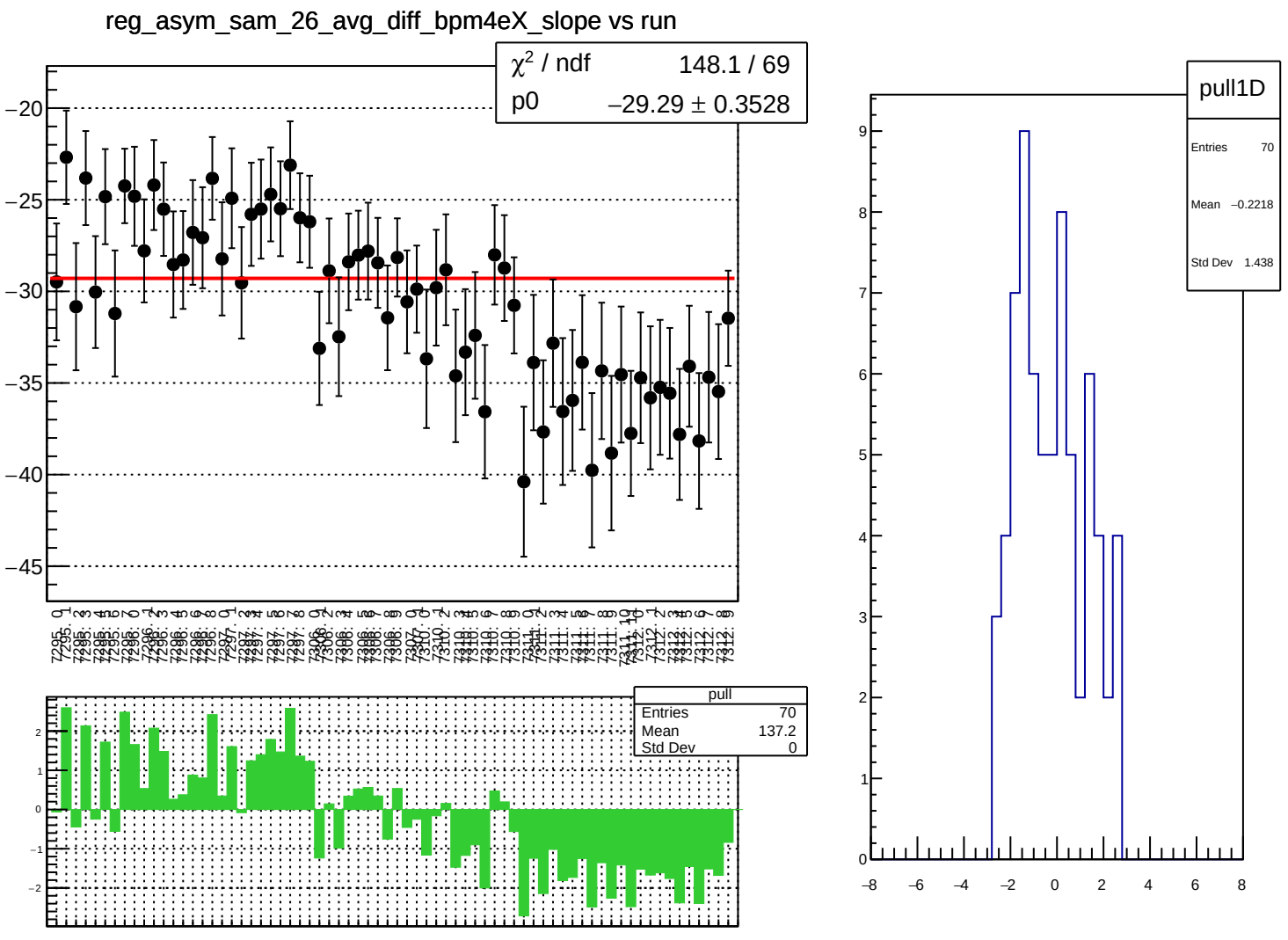

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.8 / 69
p0 20.17 ± 0.2041
pull
Entries 70
Mean 5.891e+04
Std Dev 0
pull1D
Entries 70
Mean 0.0001123
Std Dev 0.791

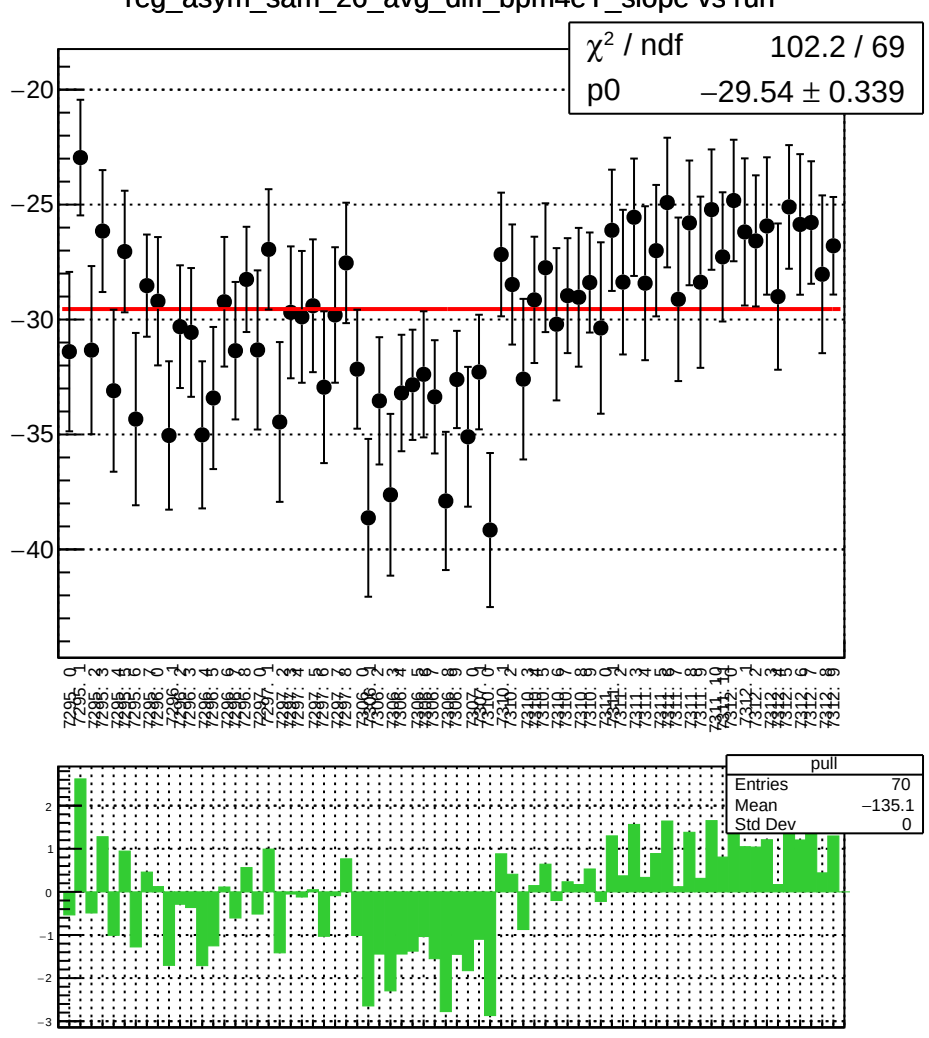

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 24.79 / 69
p0 −0.1385 ± 0.008396
pull
Entries 70
Mean 94.8
Std Dev 0

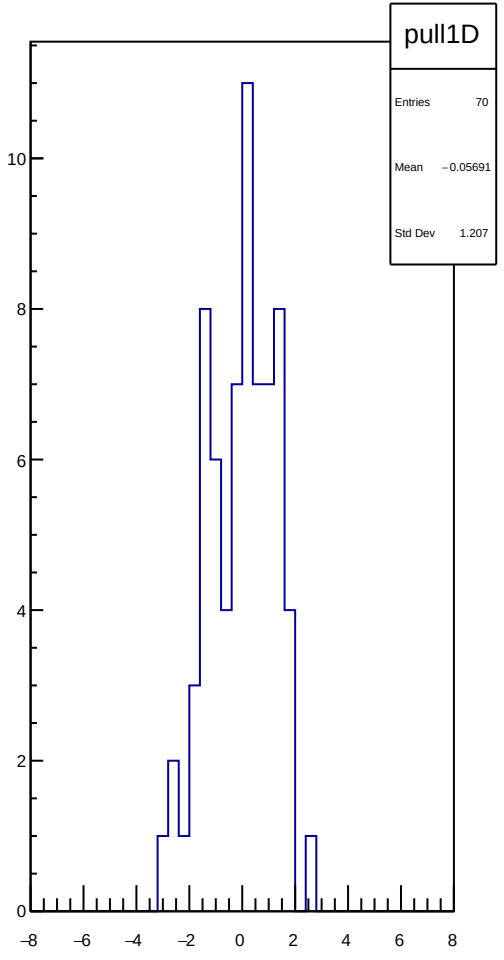

pull1D
Entries 70
Mean −0.054
Std Dev 0.5927

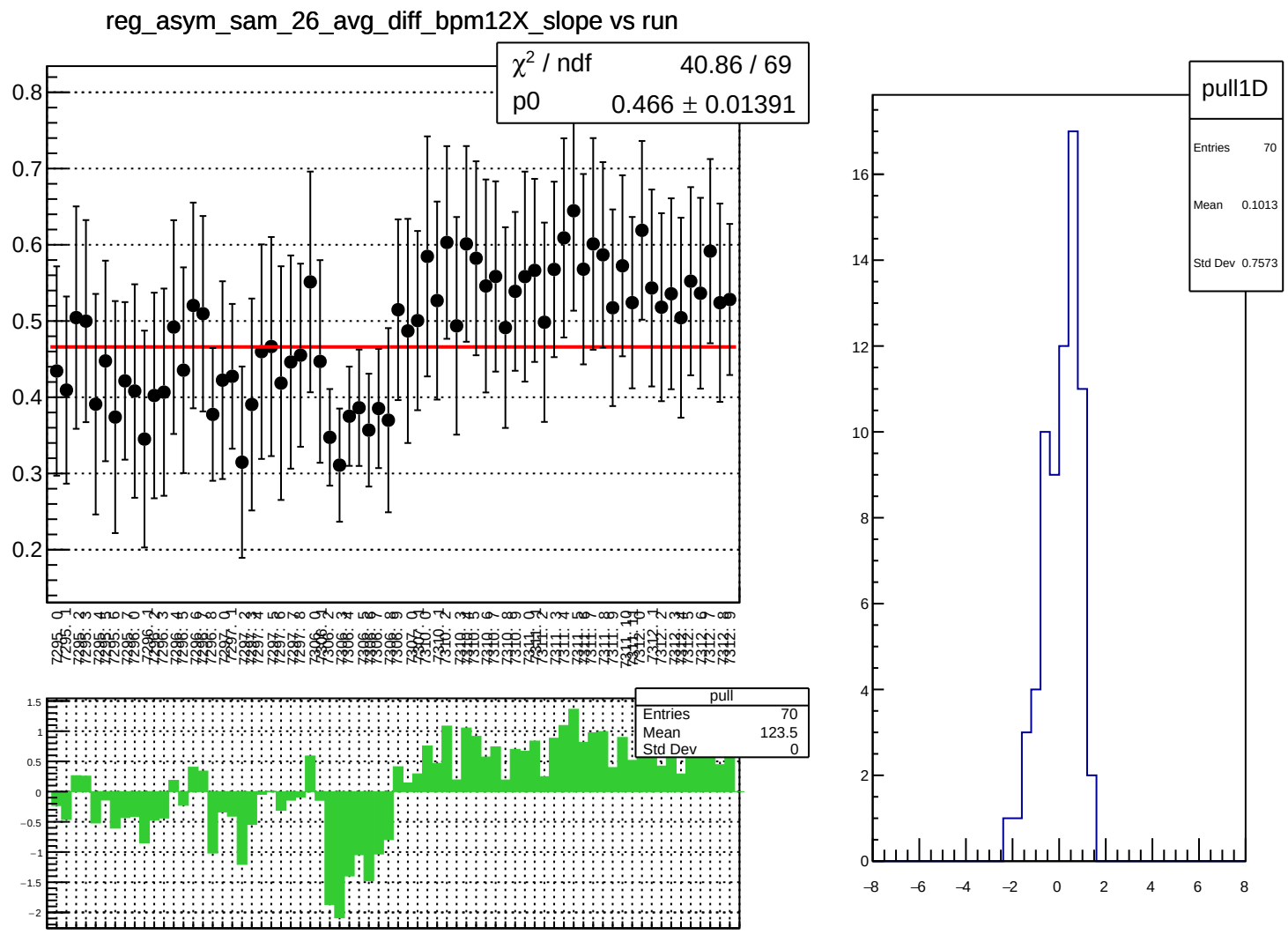

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 239.9 / 69
p0 −13.8 ± 0.357
pull
Entries 70
Mean 154.1
Std Dev 0
pull1D
Entries 70
Mean 0.2568
Std Dev 1.833

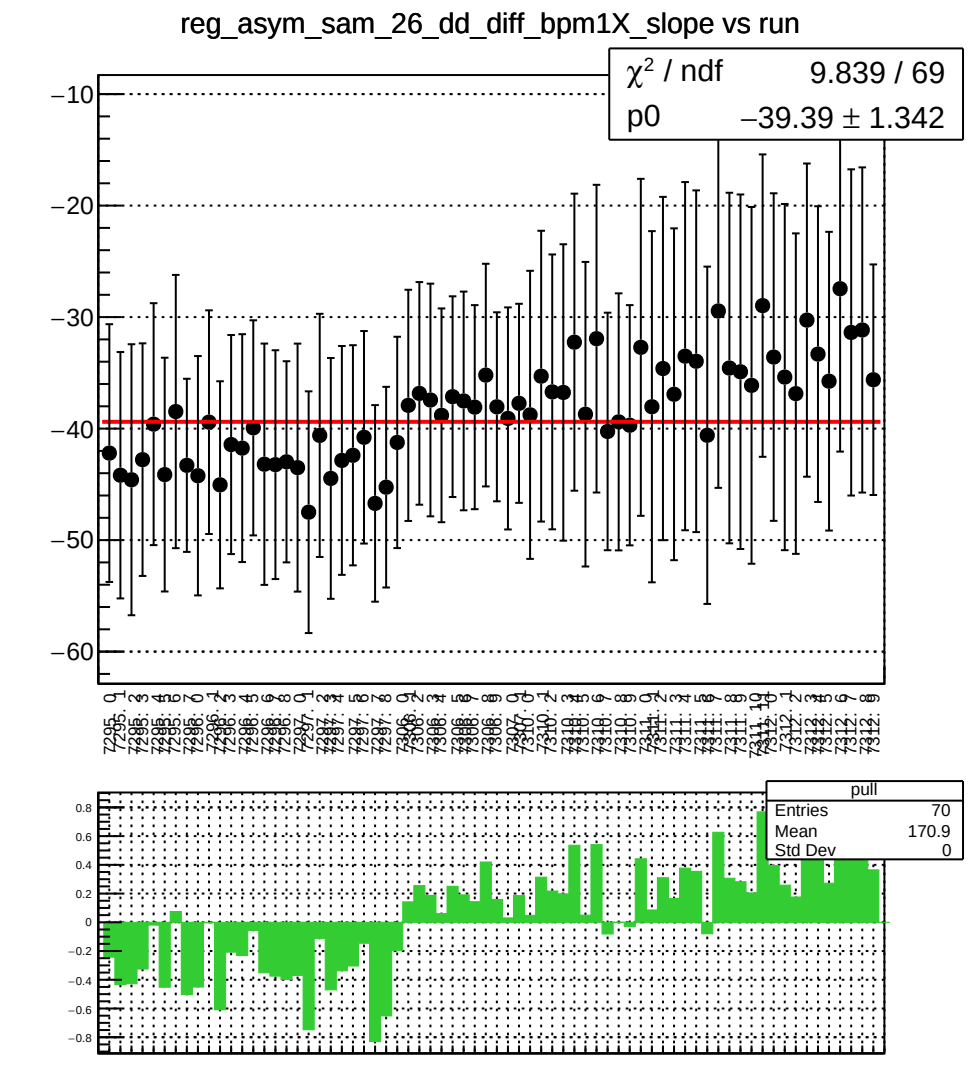

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.25 / 69
p0 9.146 ± 0.3152
pull
Entries 70
Mean −265.8
Std Dev 0
pull1D
Entries 70
Mean 0.0398
Std Dev 0.9113

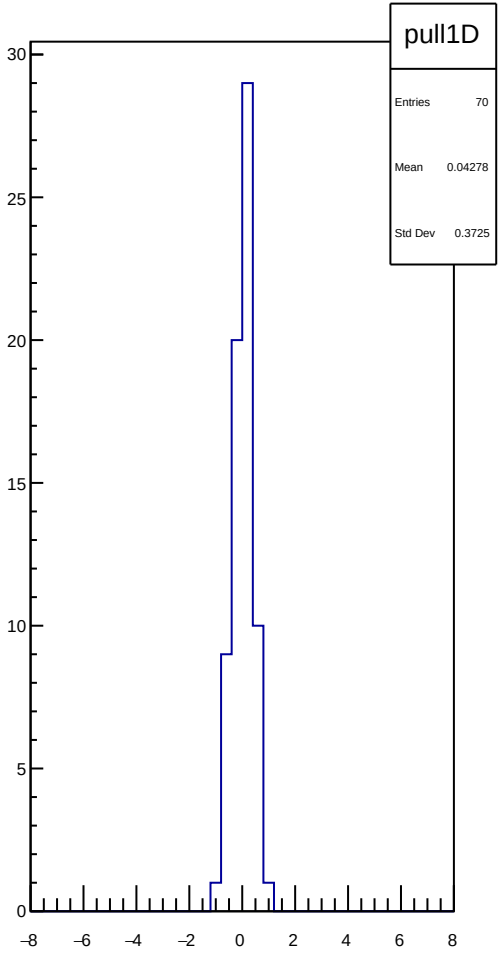

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 148.1 / 69
p0 −29.29 ± 0.3528
pull
Entries 70
Mean 137.2
Std Dev 0
pull1D
Entries 70
Mean −0.2218
Std Dev 1.438

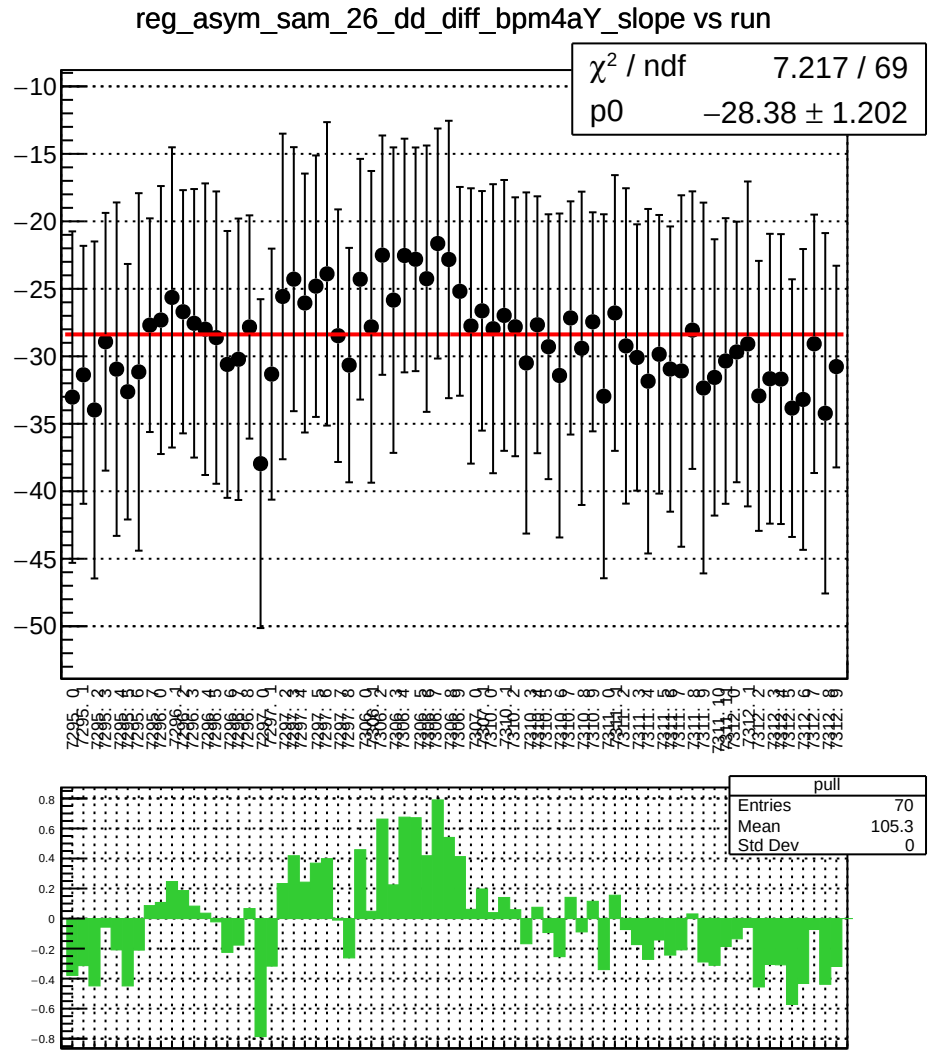

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 102.2 / 69
p0 −29.54 ± 0.339
pull
Entries 70
Mean −135.1
Std Dev 0

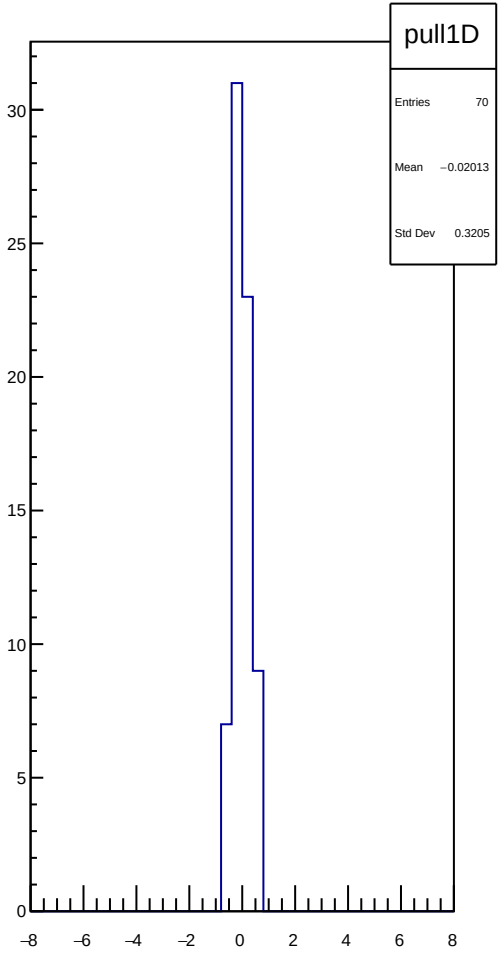

pull1D
Entries 70
Mean −0.05691
Std Dev 1.207

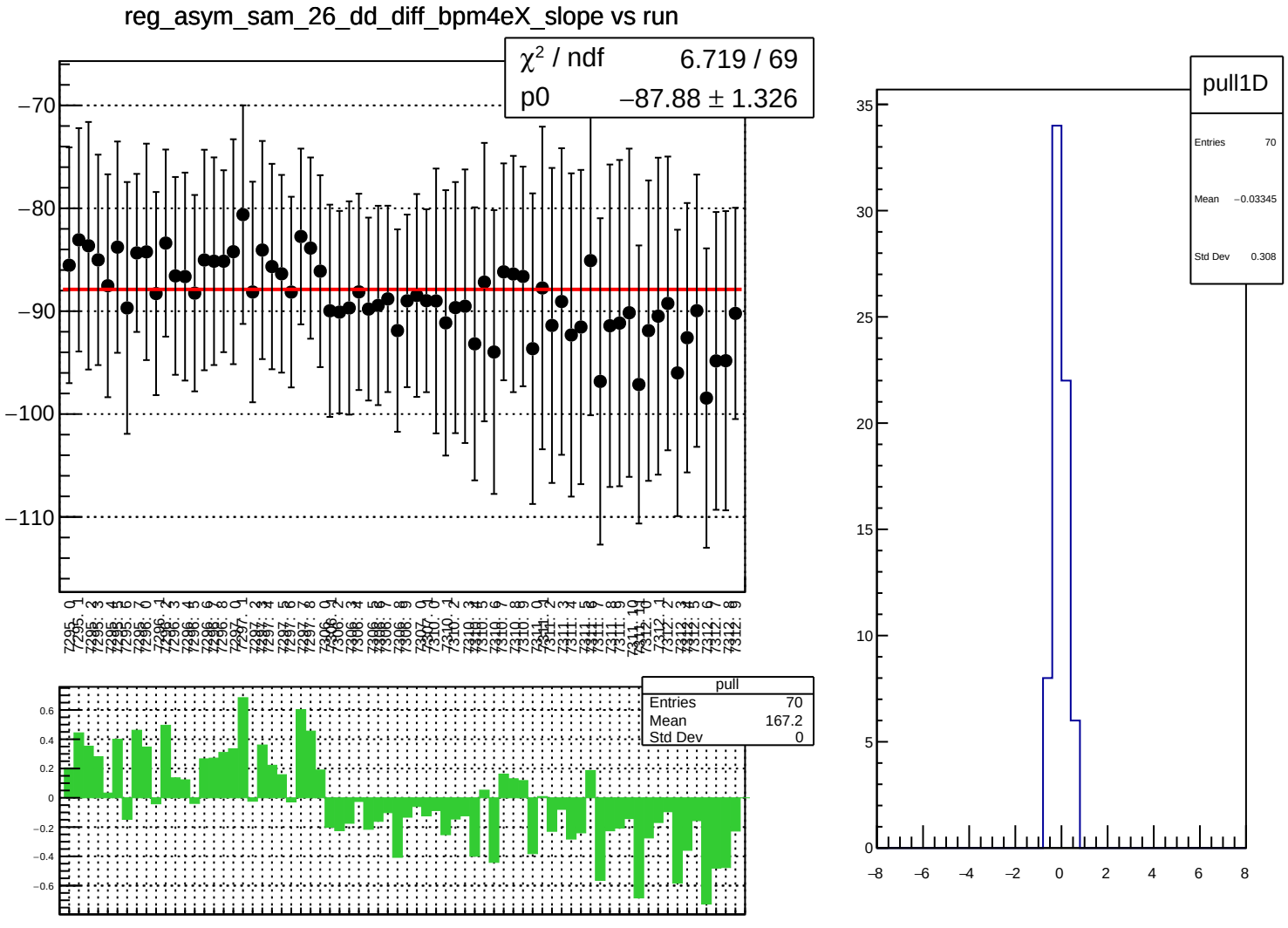

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 40.86 / 69
p0 0.466 ± 0.01391
pull
Entries 70
Mean 123.5
Std Dev 0
pull1D
Entries 70
Mean 0.1013
Std Dev 0.7573

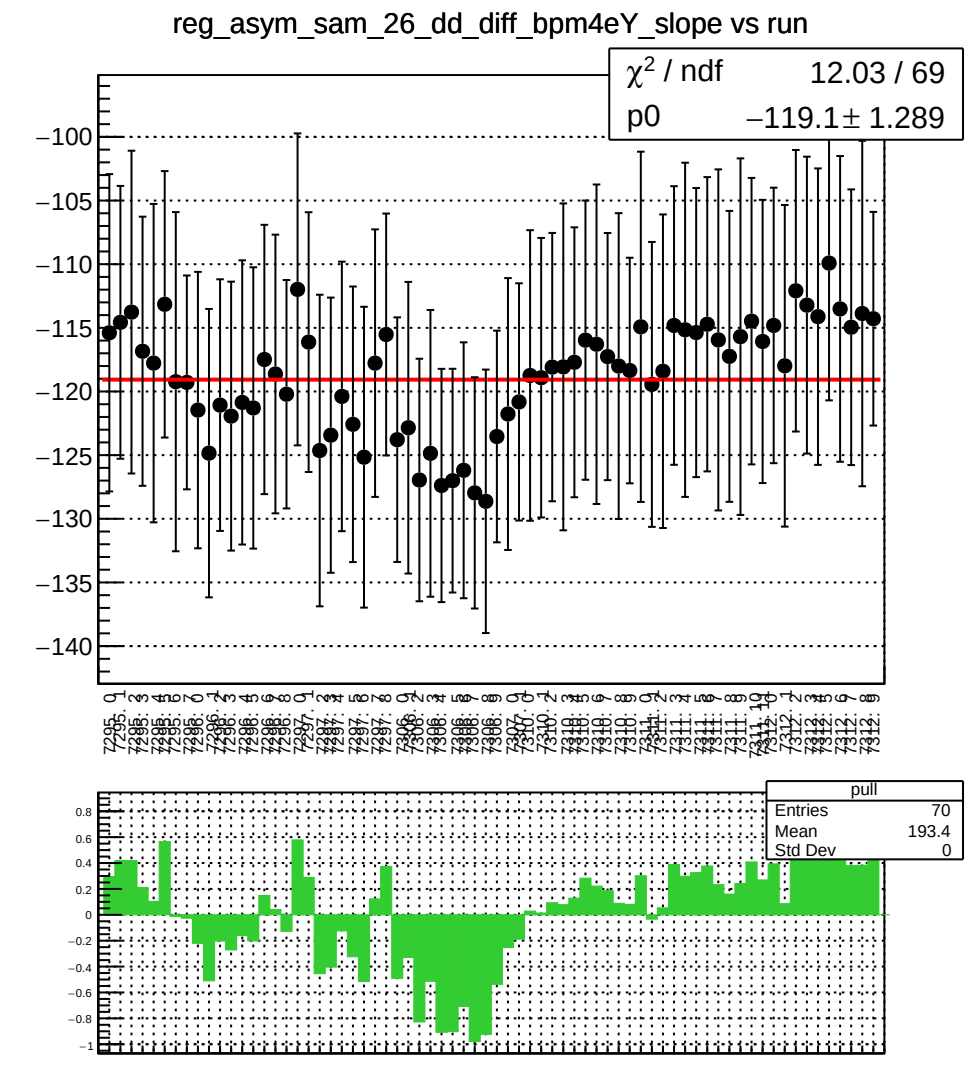

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.839 / 69
p0 −39.39 ± 1.342
pull
Entries 70
Mean 170.9
Std Dev 0

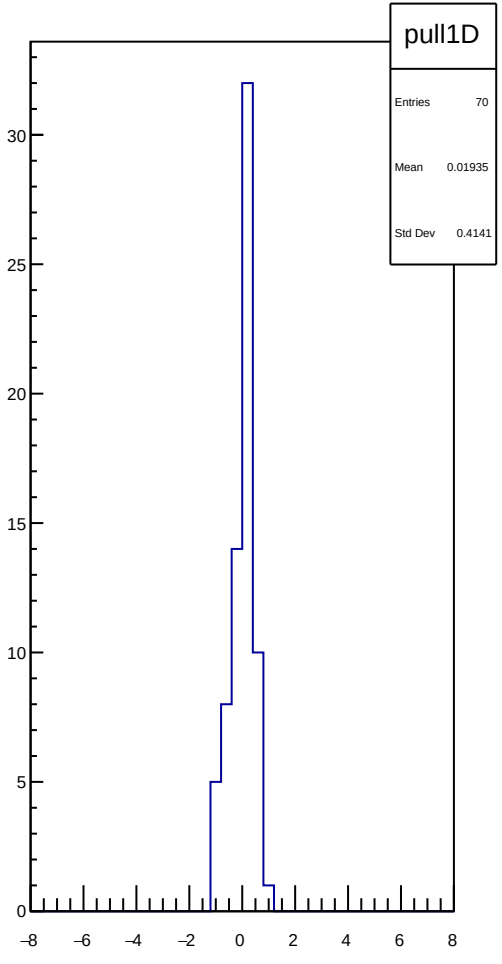

pull1D
Entries 70
Mean 0.04278
Std Dev 0.3725

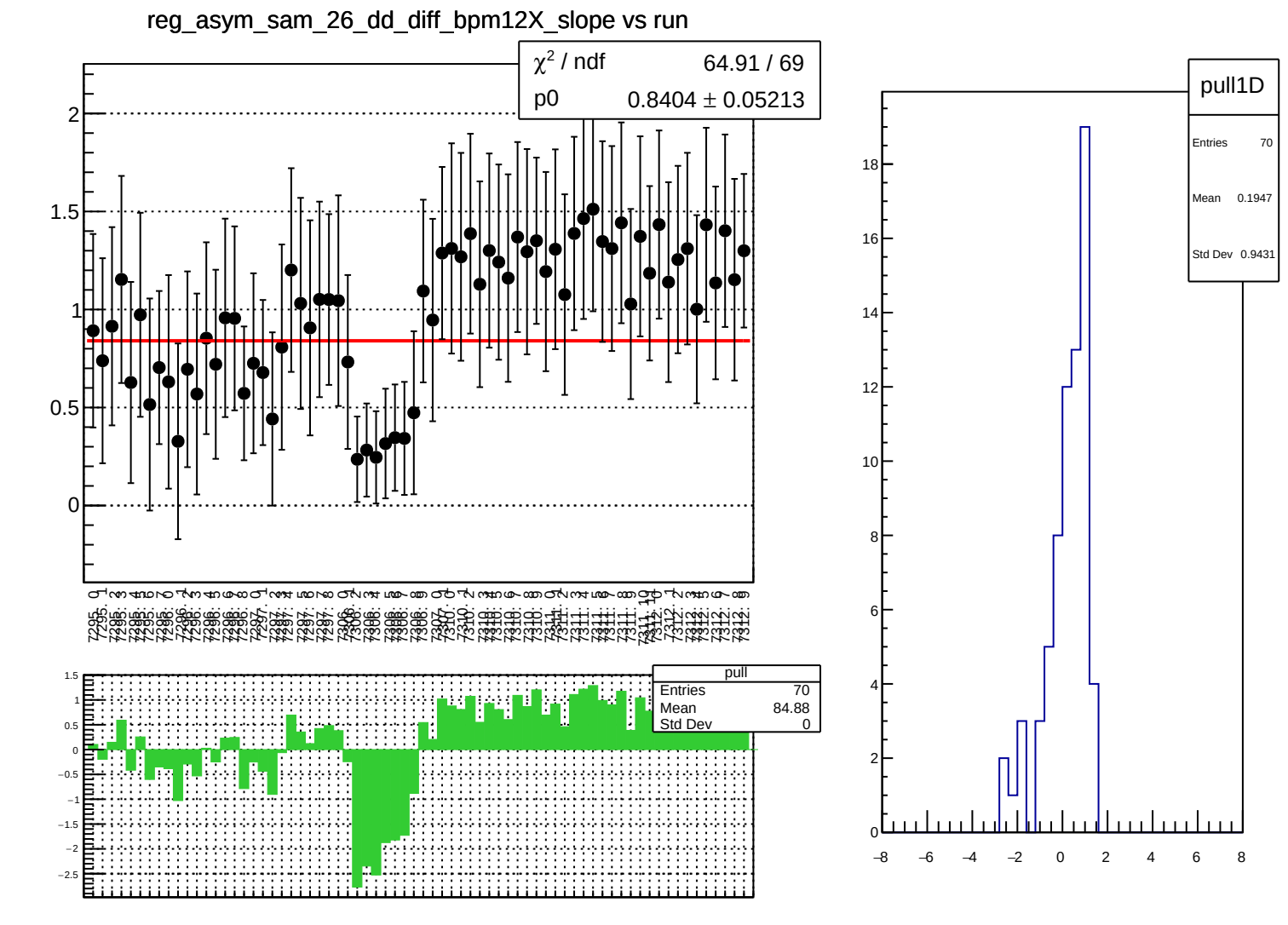

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.217 / 69
p0 −28.38 ± 1.202
pull
Entries 70
Mean 105.3
Std Dev 0

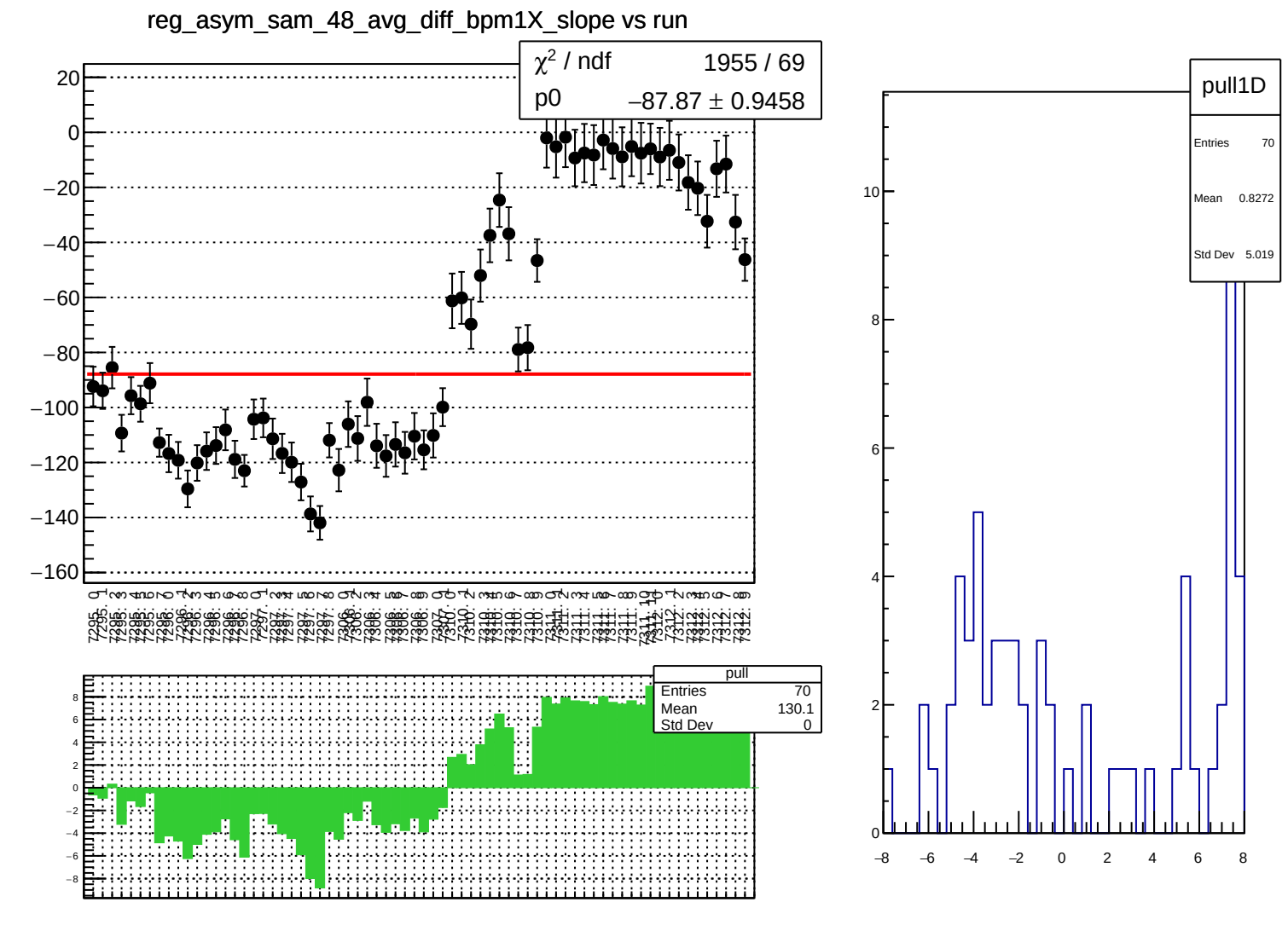

pull1D
Entries 70
Mean −0.02013
Std Dev 0.3205

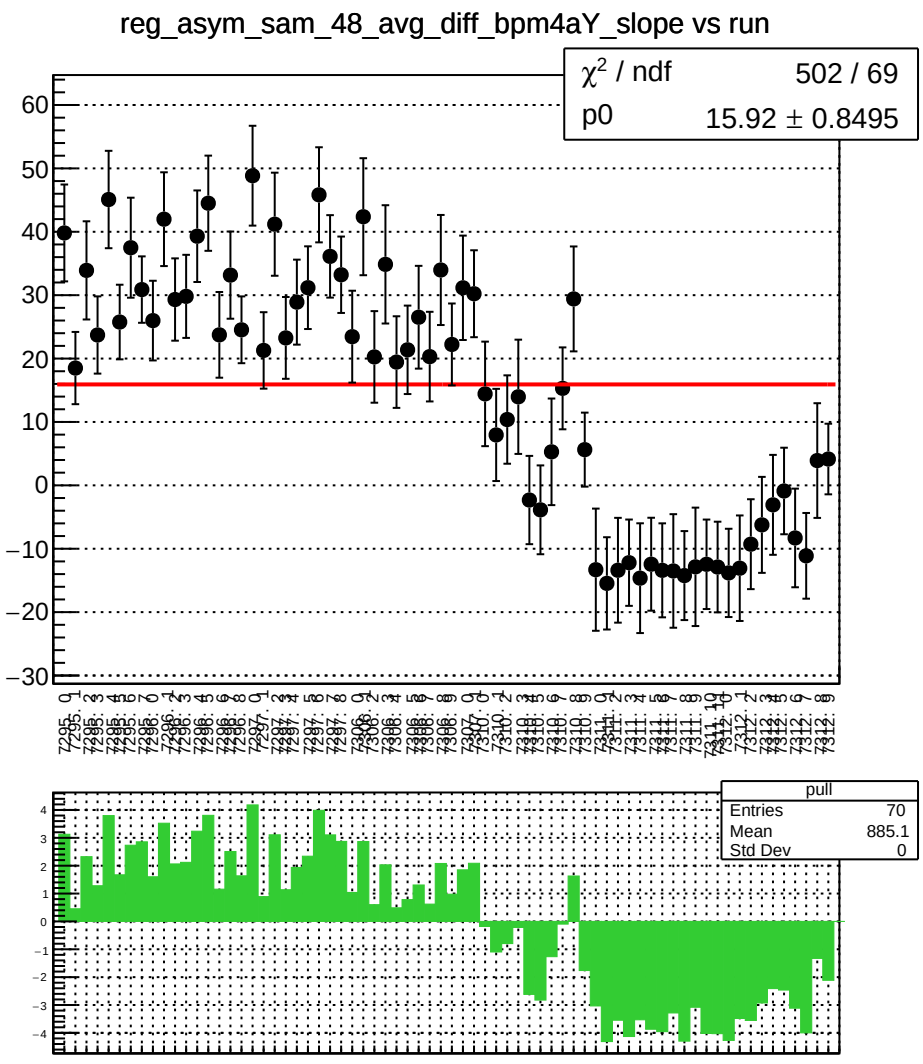

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.719 / 69
p0 −87.88 ± 1.326
pull
Entries 70
Mean 167.2
Std Dev 0
pull1D
Entries 70
Mean −0.03345
Std Dev 0.308

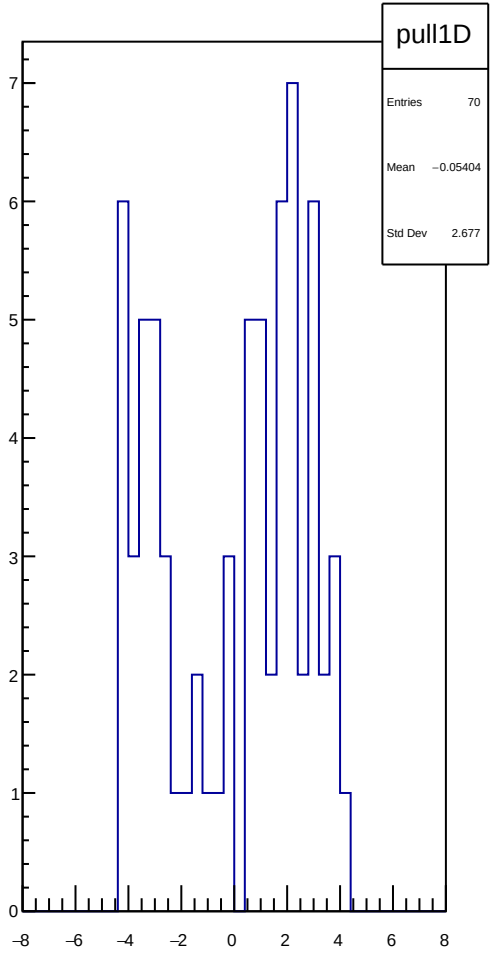

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.03 / 69
p0 −119.1± 1.289
pull
Entries 70
Mean 193.4
Std Dev 0

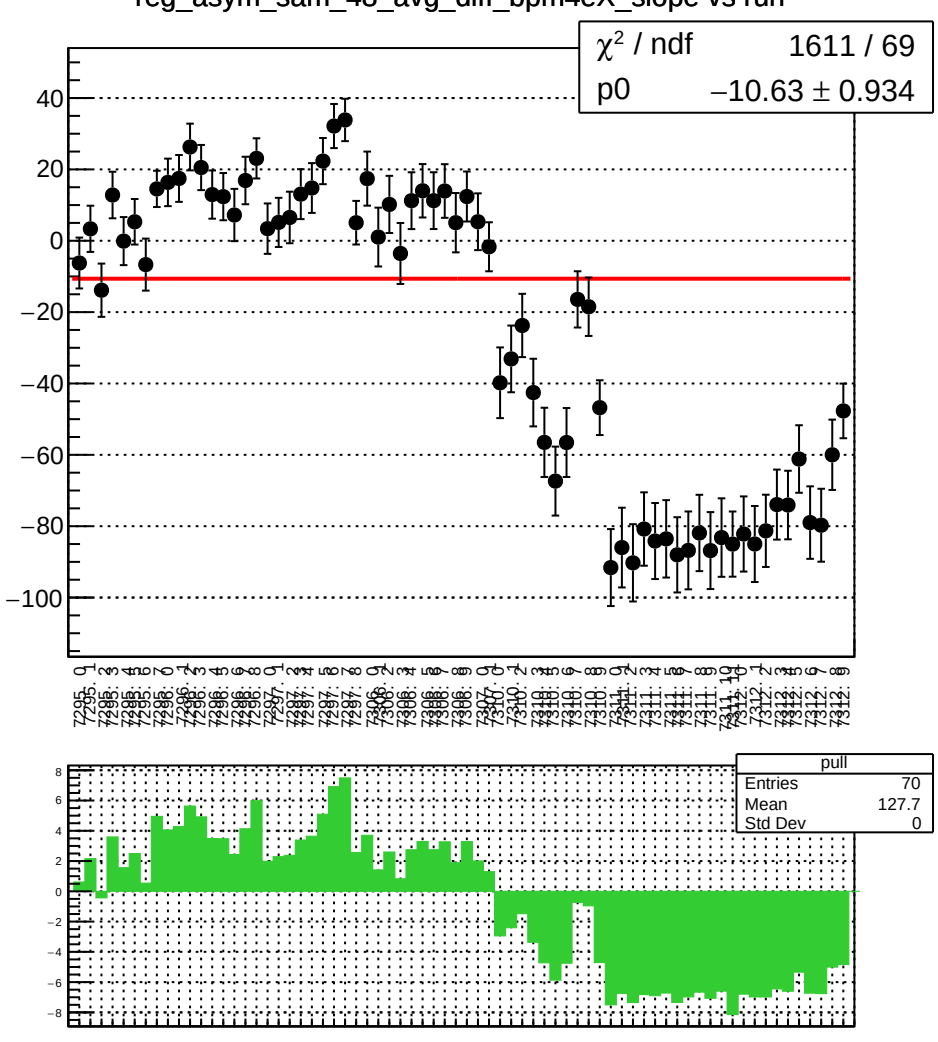

pull1D
Entries 70
Mean 0.01935
Std Dev 0.4141

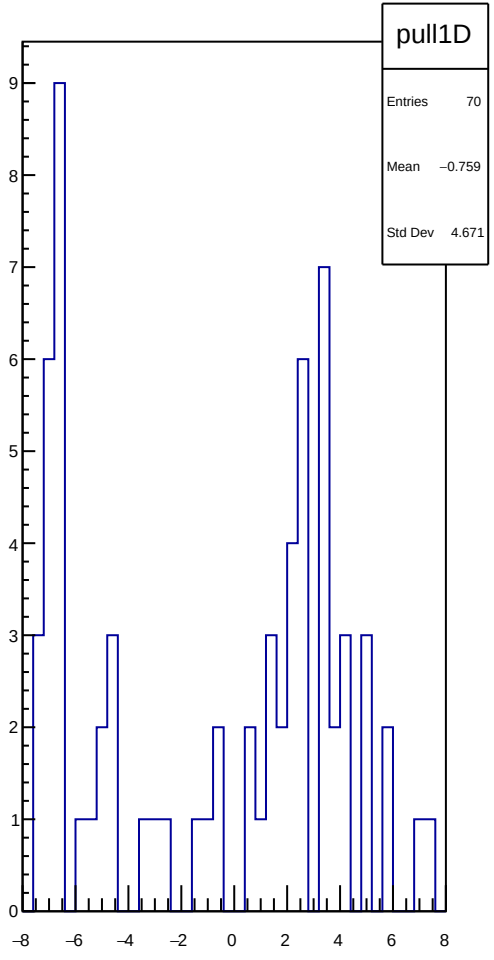

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 64.91 / 69
p0 0.8404 ± 0.05213
pull
Entries 70
Mean 84.88
Std Dev 0
pull1D
Entries 70
Mean 0.1947
Std Dev 0.9431

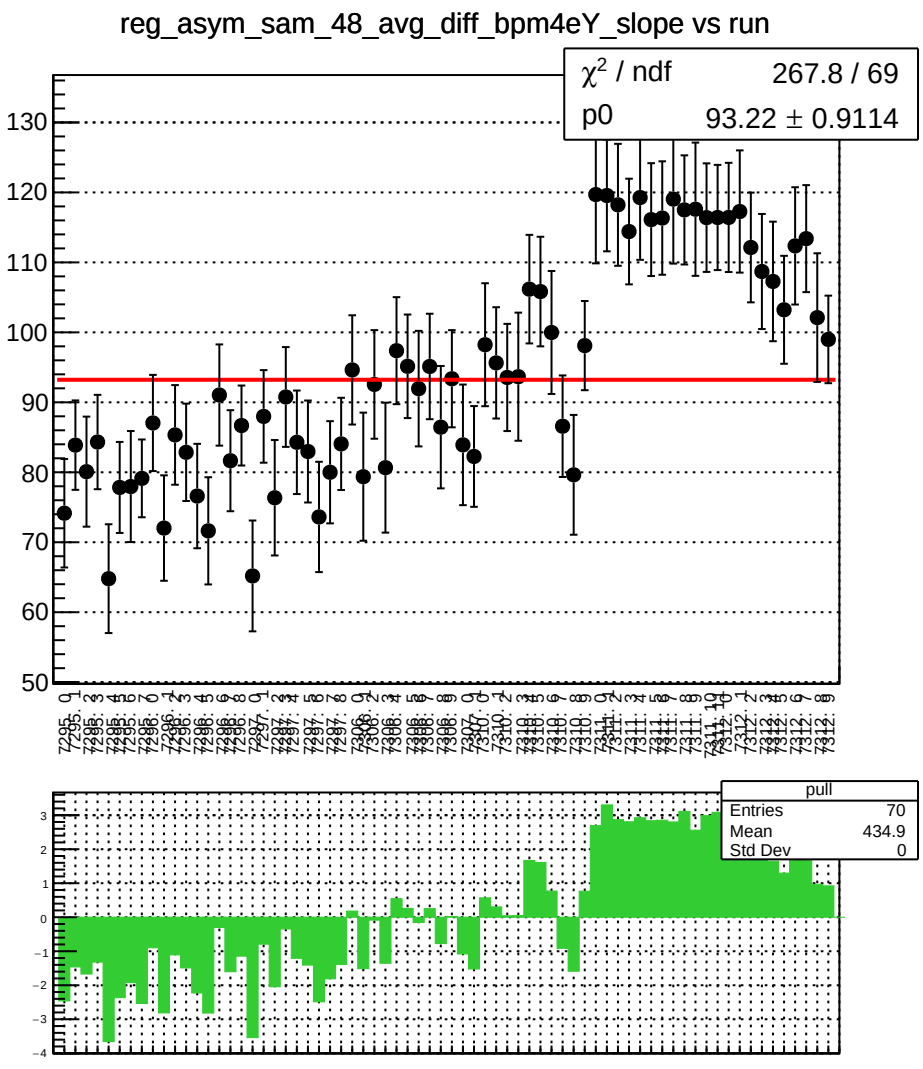

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1955 / 69
p0 −87.87 ± 0.9458
pull
Entries 70
Mean 130.1
Std Dev 0
pull1D
Entries 70
Mean 0.8272
Std Dev 5.019

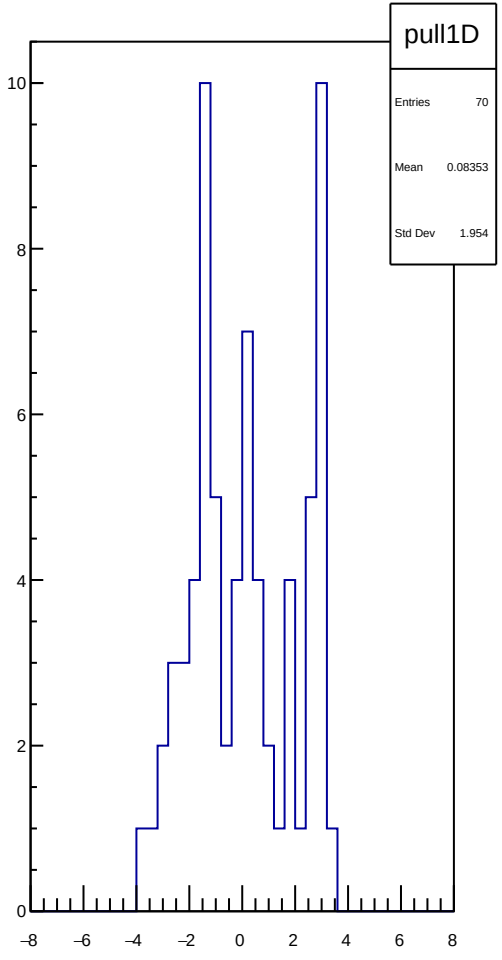

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 502 / 69
p0 15.92 ± 0.8495
pull
Entries 70
Mean 885.1
Std Dev 0

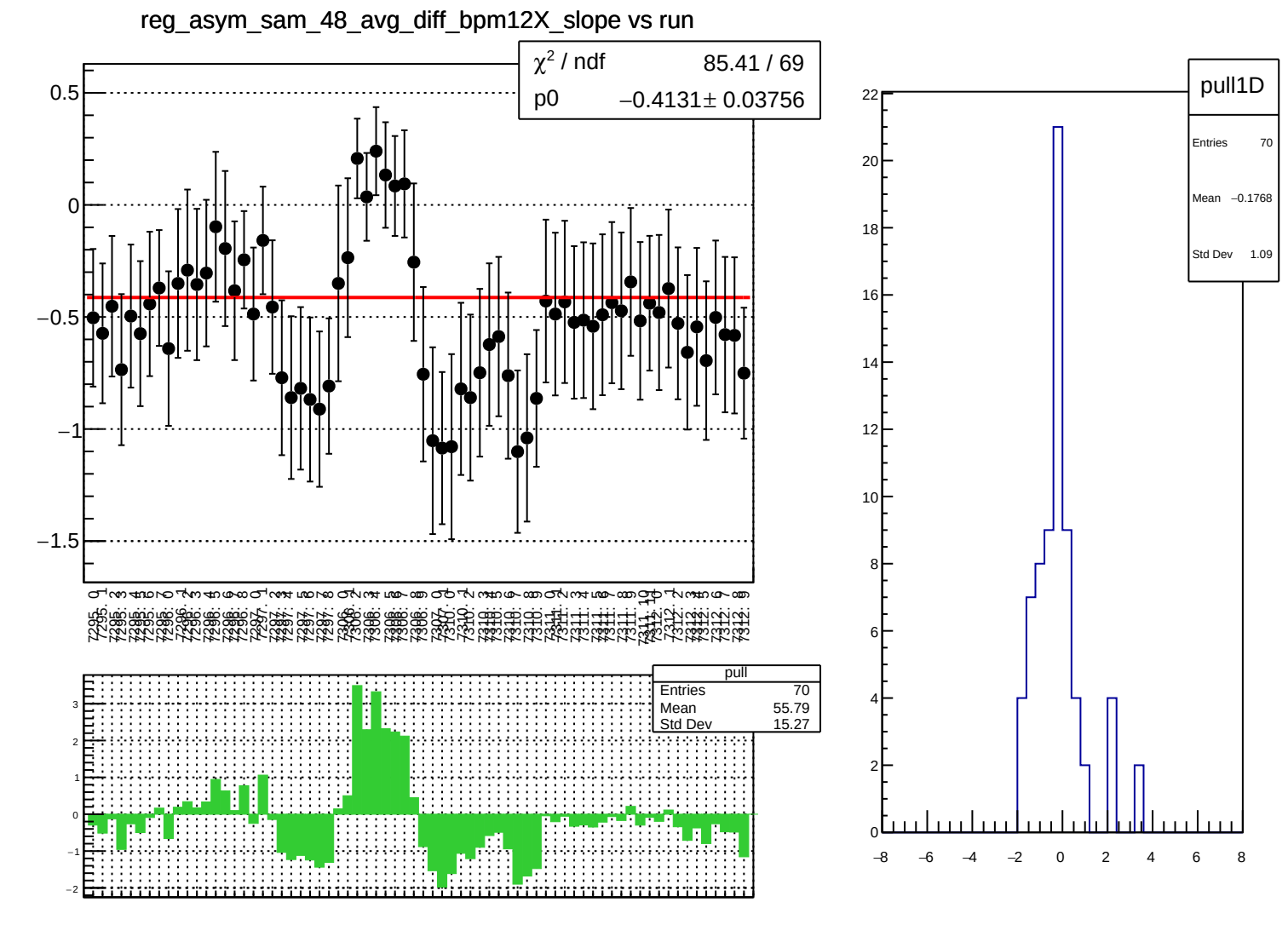

pull1D
Entries 70
Mean −0.05404
Std Dev 2.677

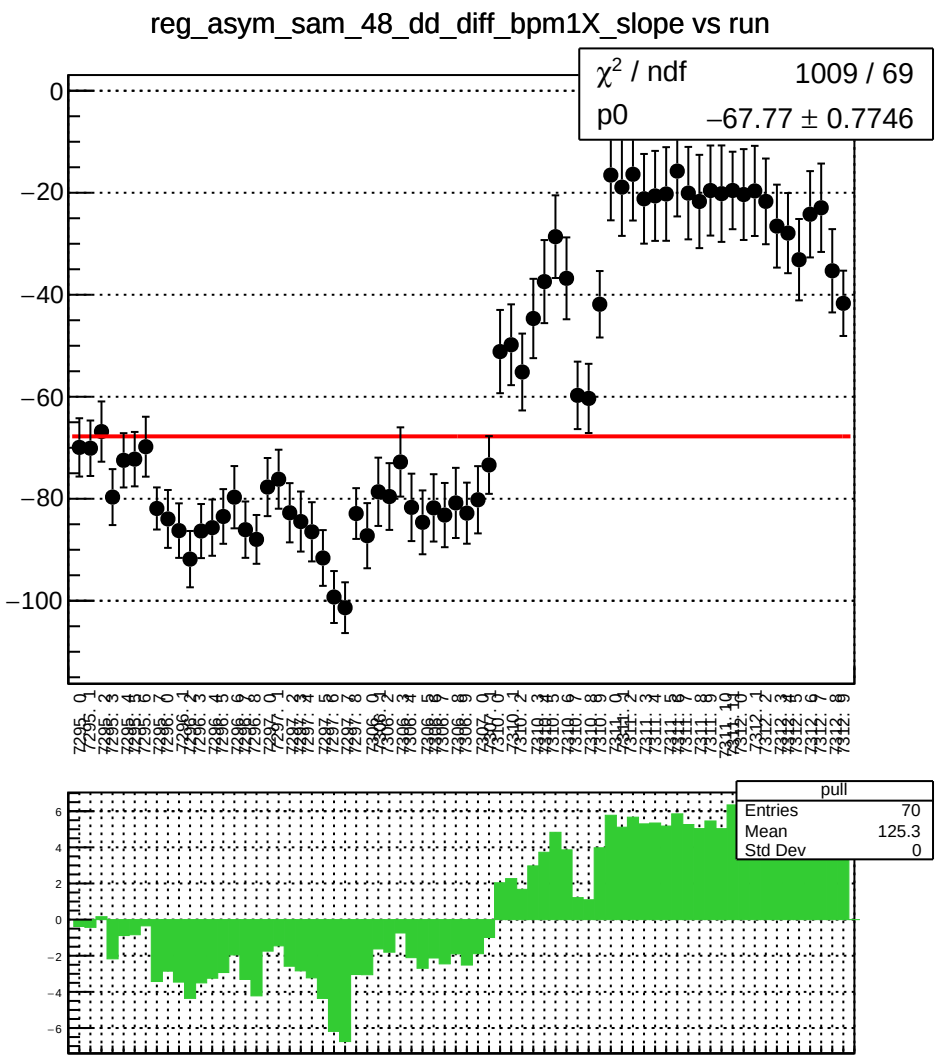

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1611 / 69
p0 −10.63 ± 0.934
pull
Entries 70
Mean 127.7
Std Dev 0

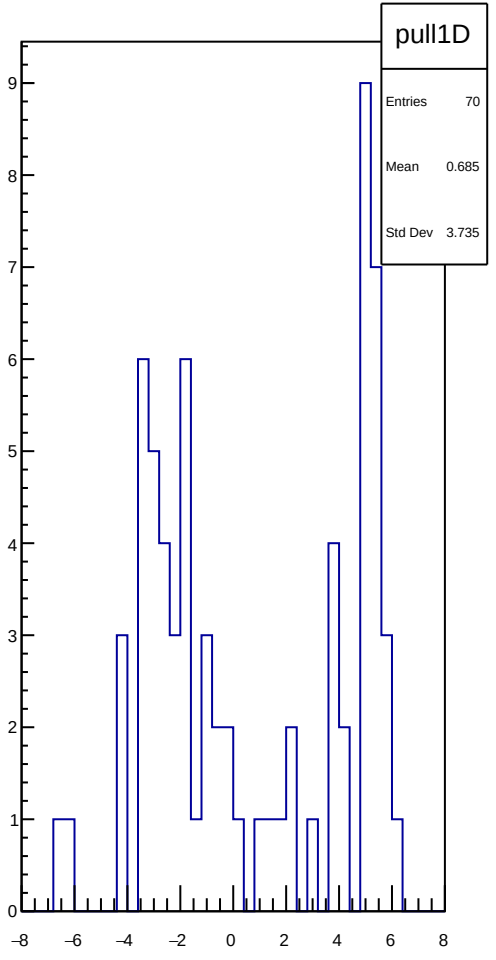

pull1D
Entries 70
Mean −0.759
Std Dev 4.671

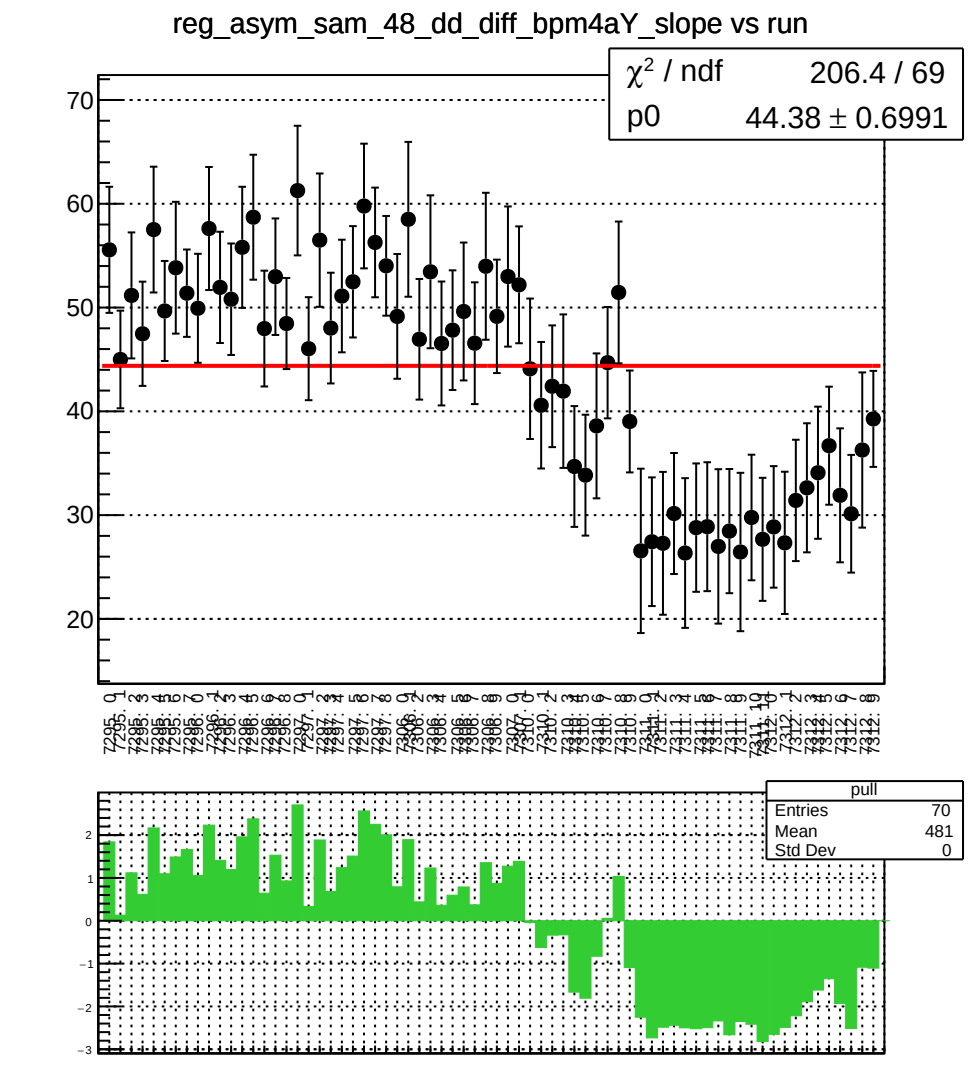

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 267.8 / 69
p0 93.22 ± 0.9114
pull
Entries 70
Mean 434.9
Std Dev 0

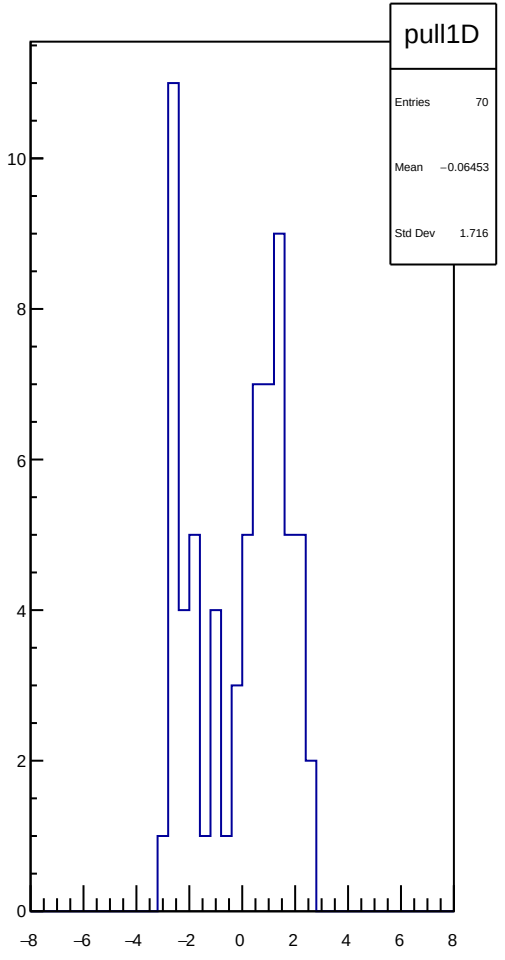

pull1D
Entries 70
Mean 0.08353
Std Dev 1.954

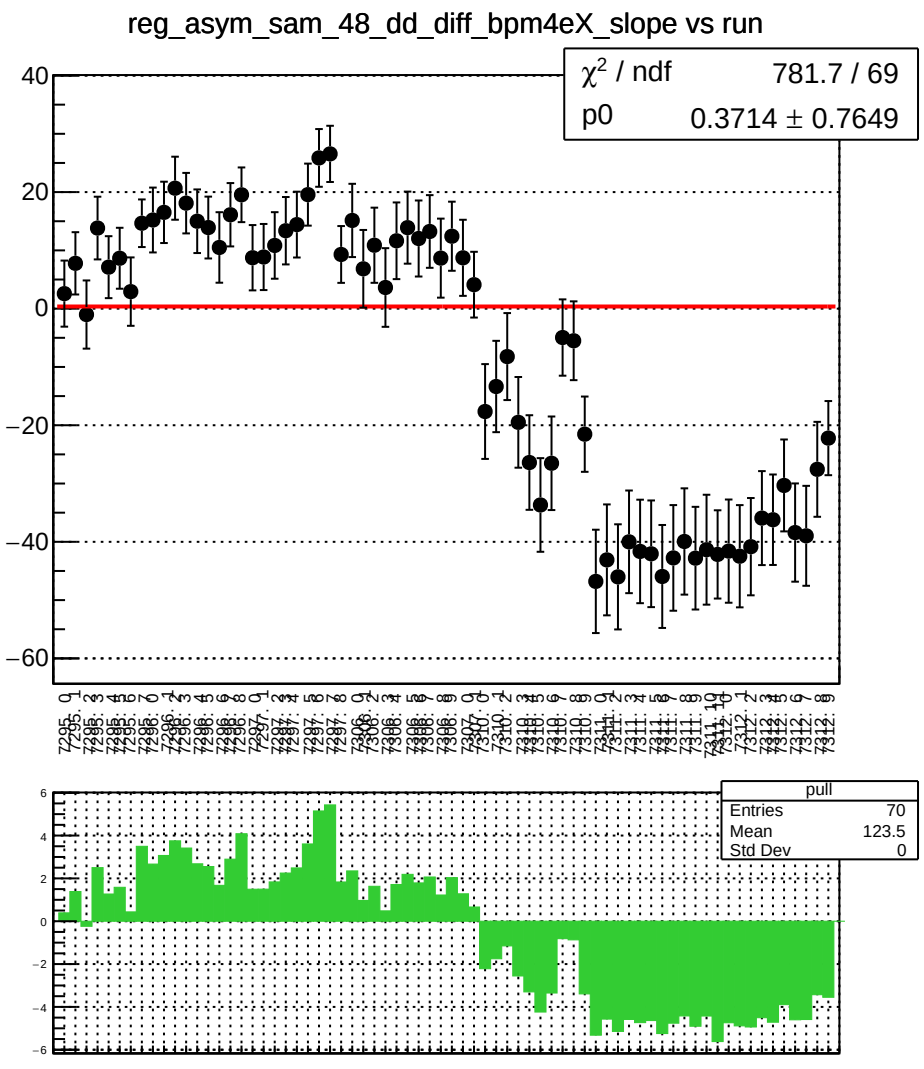

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 85.41 / 69
p0 −0.4131± 0.03756
pull
Entries 70
Mean 55.79
Std Dev 15.27
pull1D
Entries 70
Mean −0.1768
Std Dev 1.09

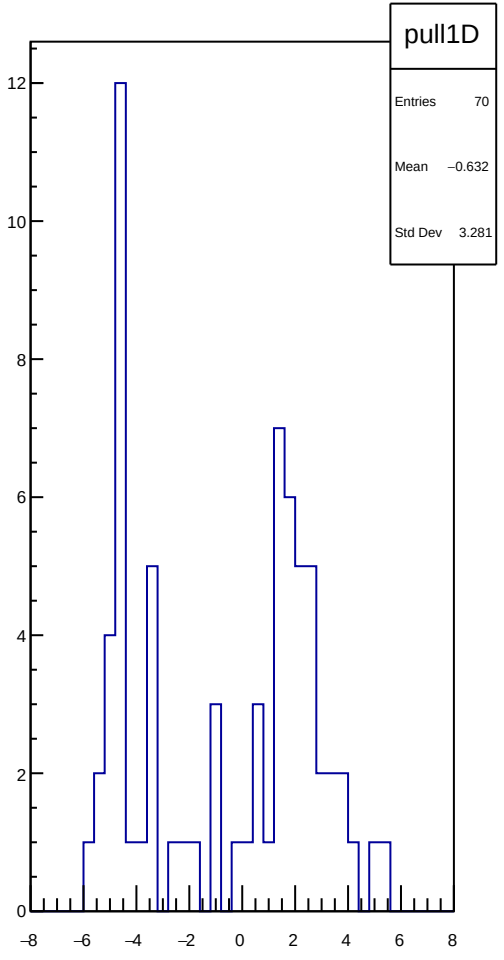

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1009 / 69
p0 −67.77 ± 0.7746
pull
Entries 70
Mean 125.3
Std Dev 0

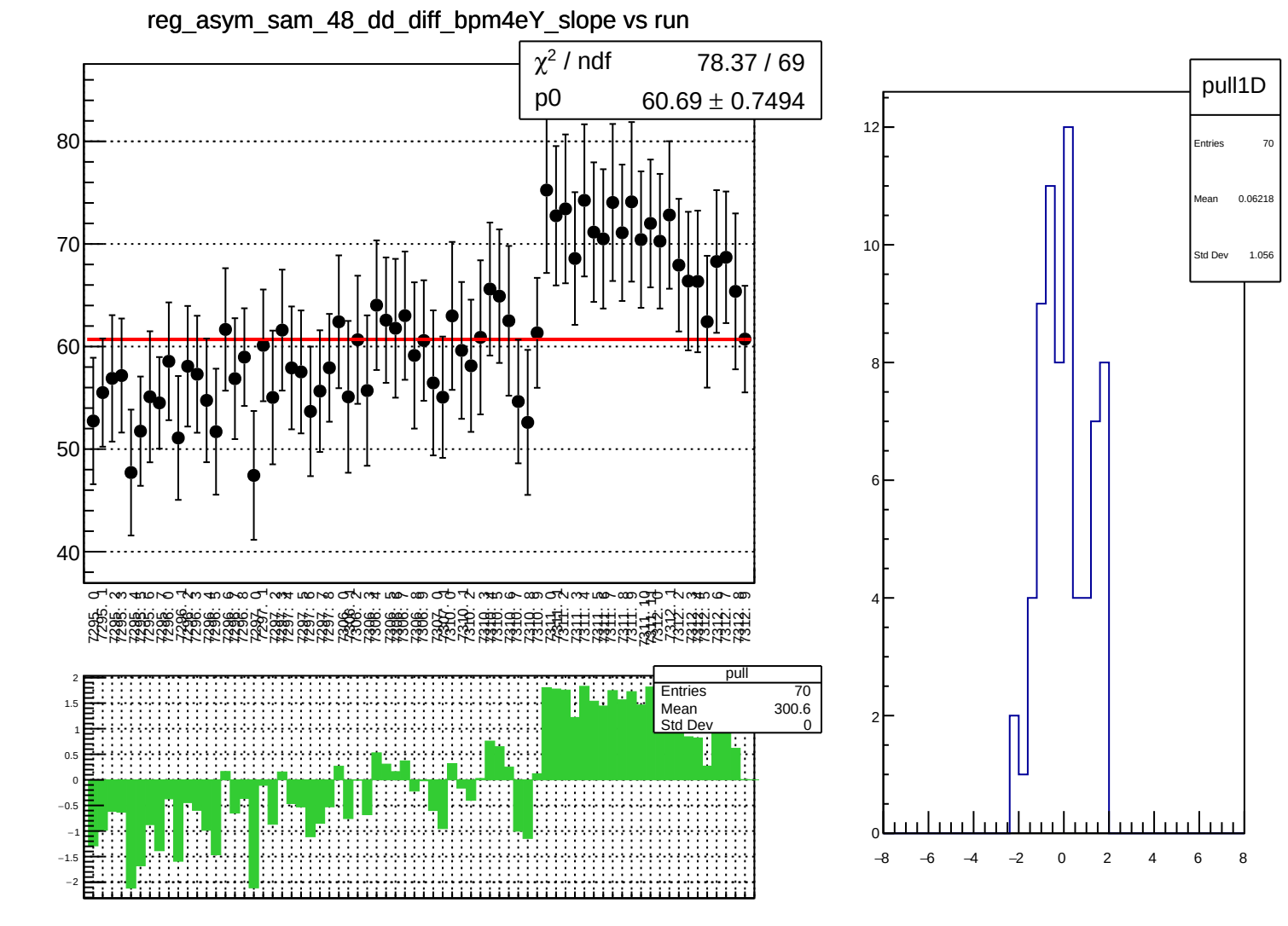

pull1D
Entries 70
Mean 0.685
Std Dev 3.735

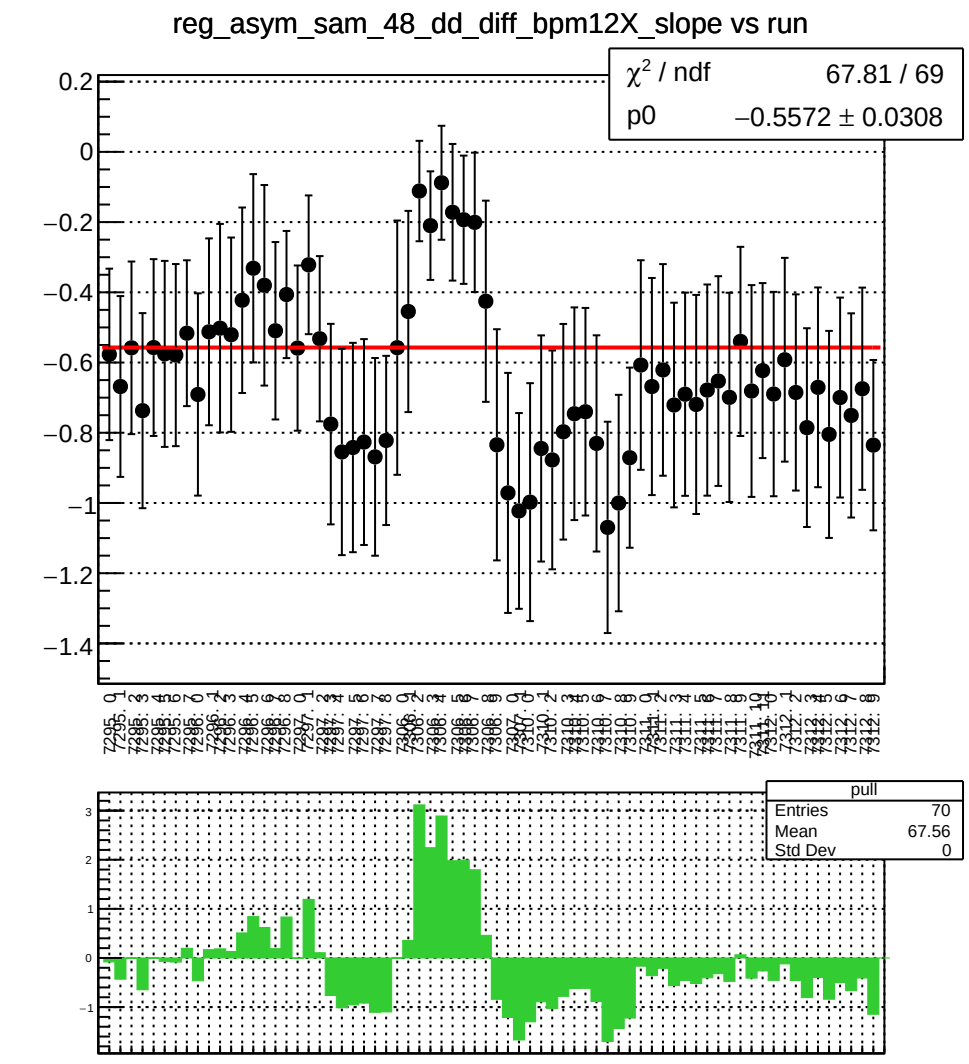

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 206.4 / 69
p0 44.38 ± 0.6991
pull
Entries 70
Mean 481
Std Dev 0

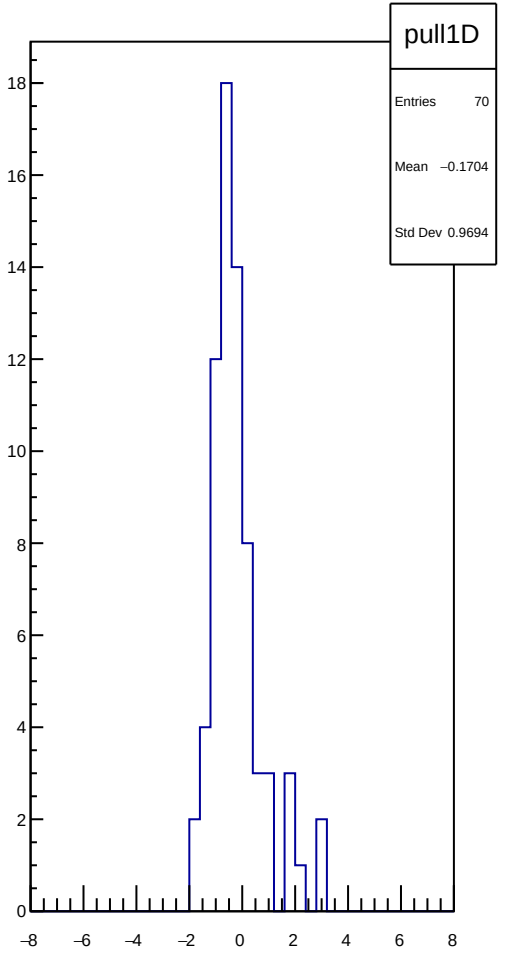

pull1D
Entries 70
Mean −0.06453
Std Dev 1.716

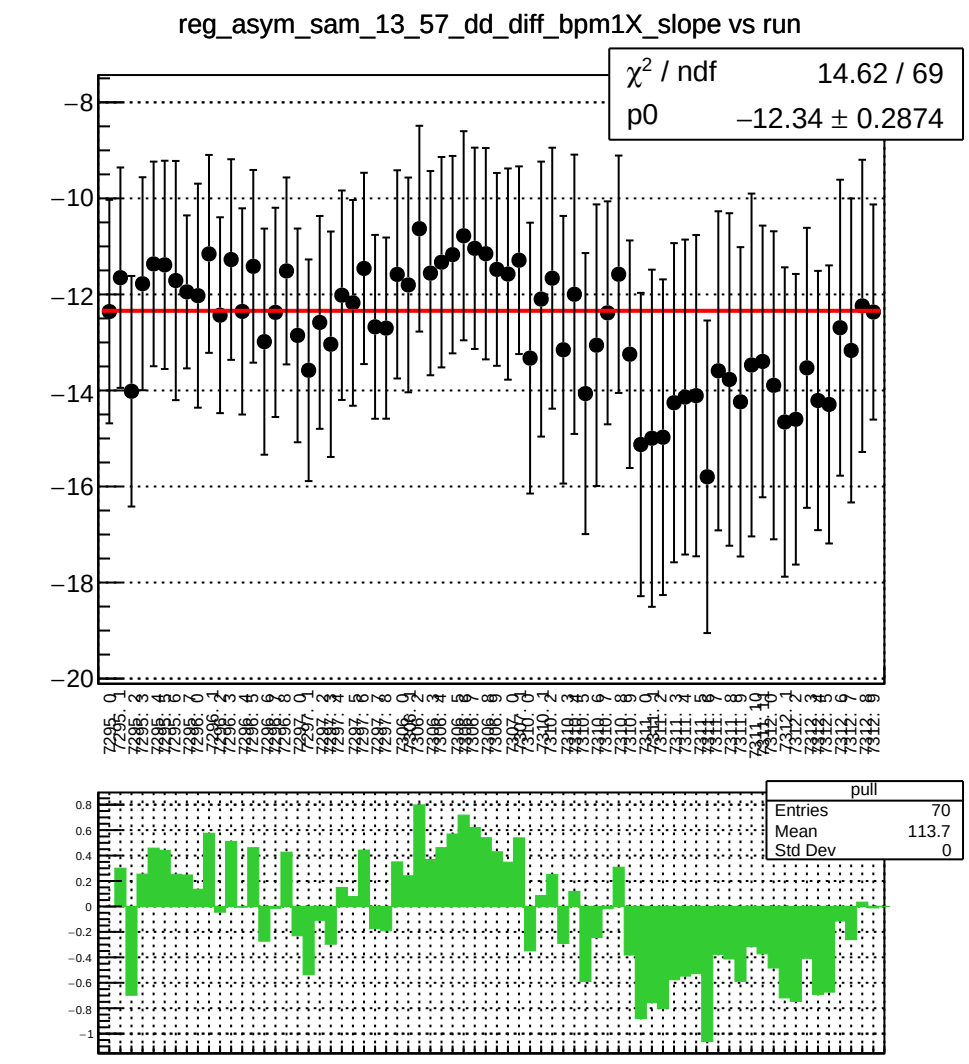

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 781.7 / 69
p0 0.3714 ± 0.7649
pull
Entries 70
Mean 123.5
Std Dev 0

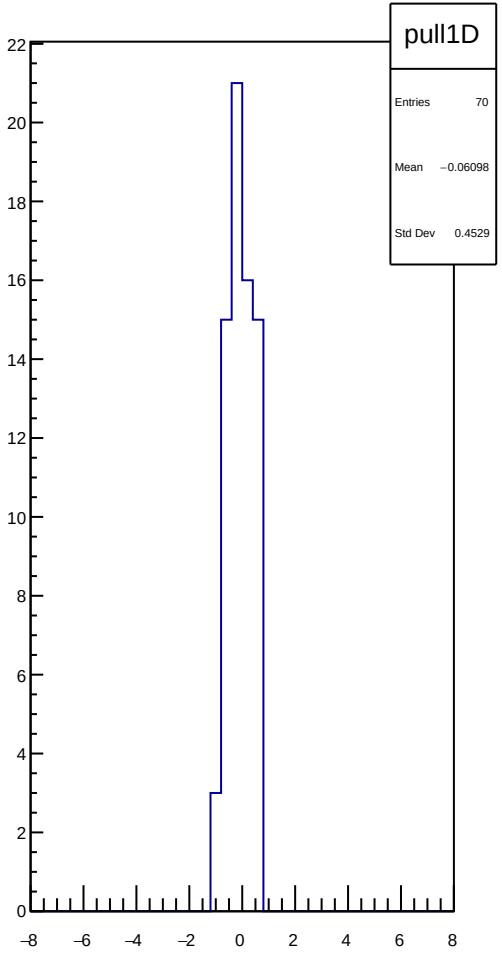

pull1D
Entries 70
Mean −0.632
Std Dev 3.281

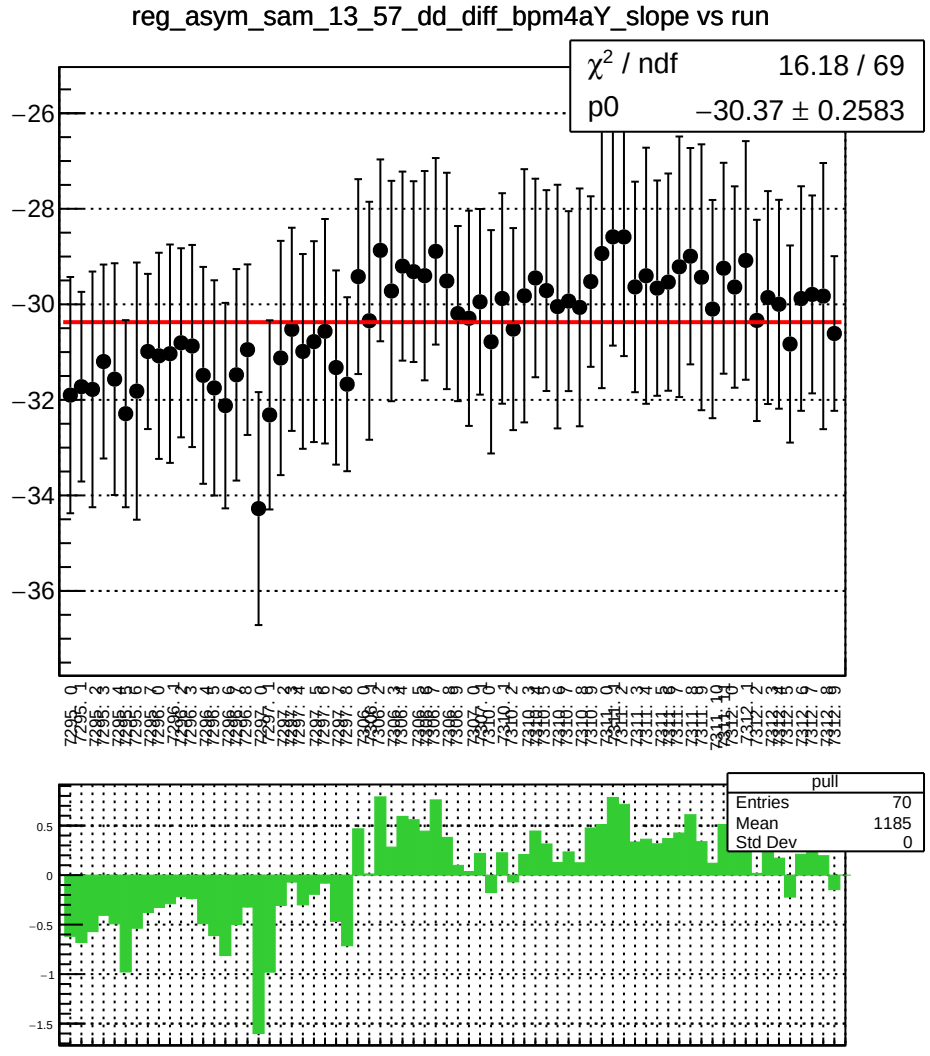

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.37 / 69
p0 60.69 ± 0.7494
pull
Entries 70
Mean 300.6
Std Dev 0
pull1D
Entries 70
Mean 0.06218
Std Dev 1.056

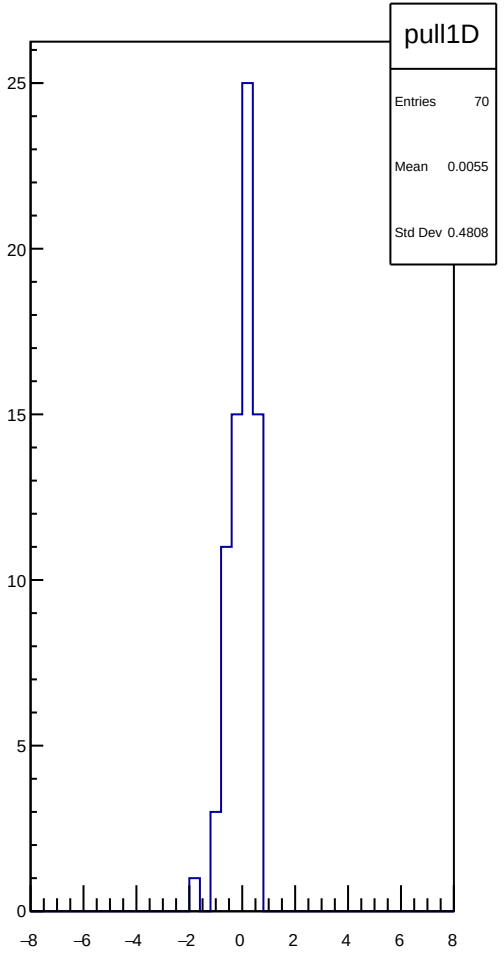

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 67.81 / 69
p0 −0.5572 ± 0.0308
pull
Entries 70
Mean 67.56
Std Dev 0

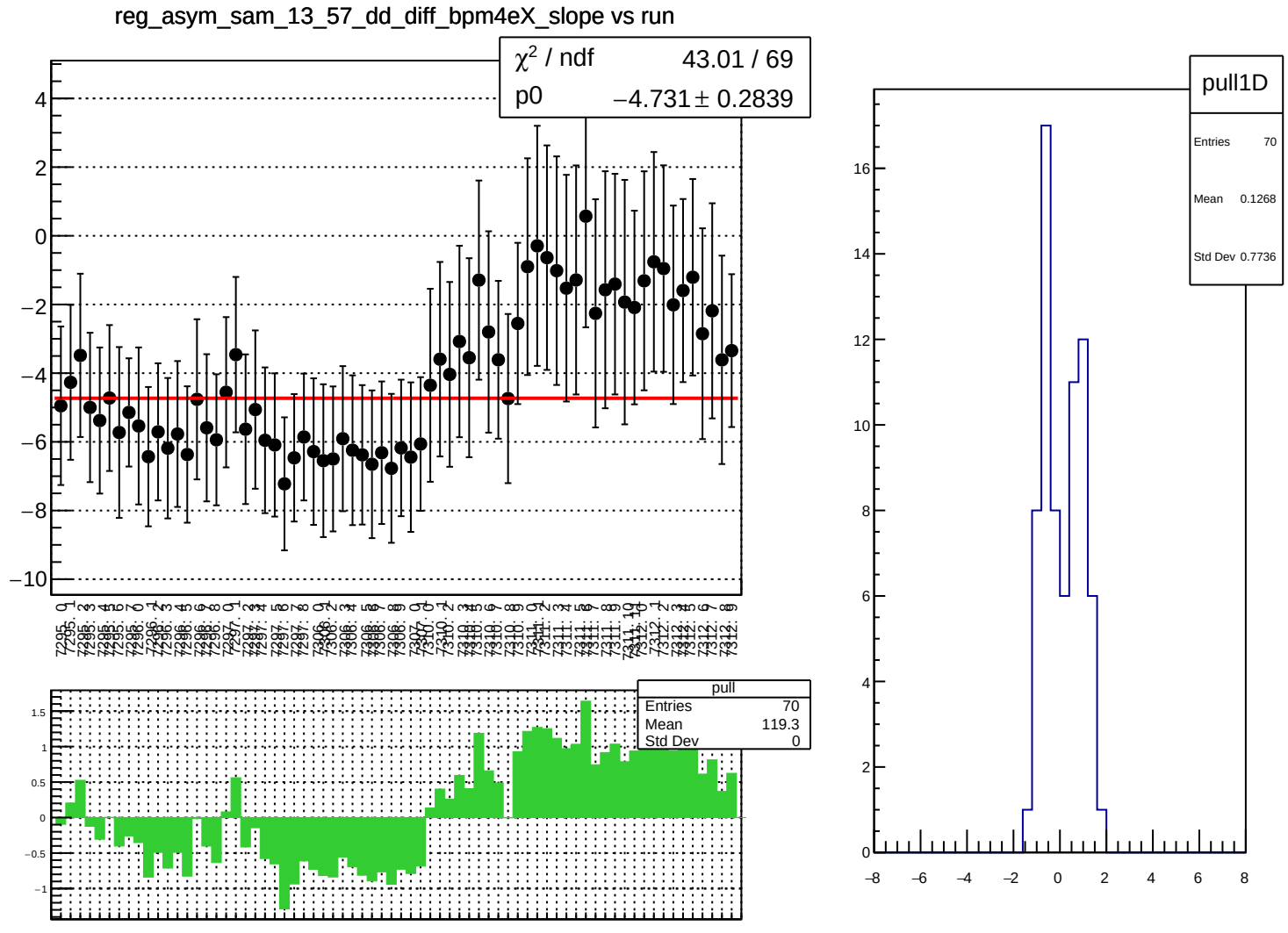

pull1D
Entries 70
Mean −0.1704
Std Dev 0.9694

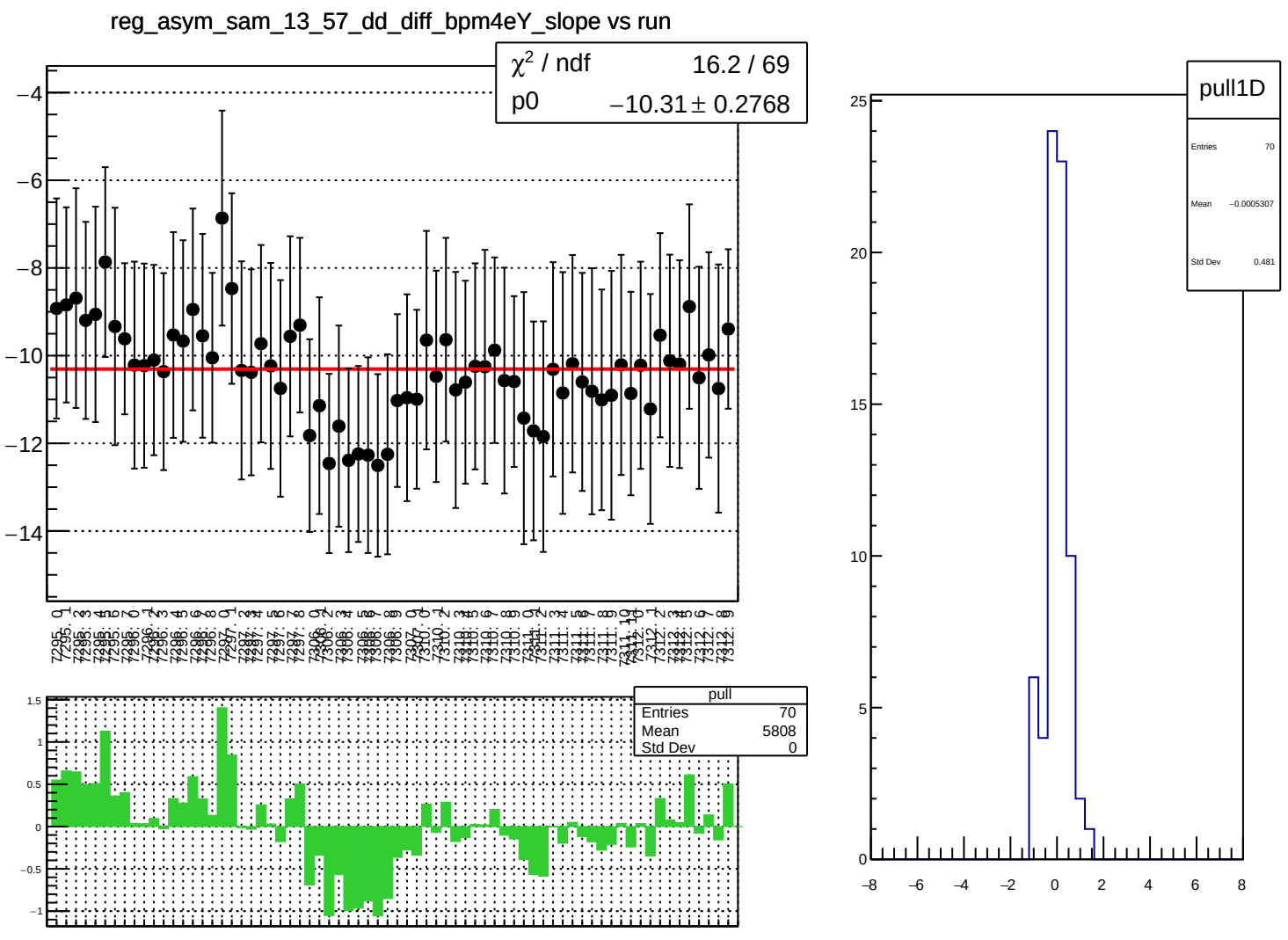

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 14.62 / 69
p0 −12.34 ± 0.2874
pull
Entries 70
Mean 113.7
Std Dev 0

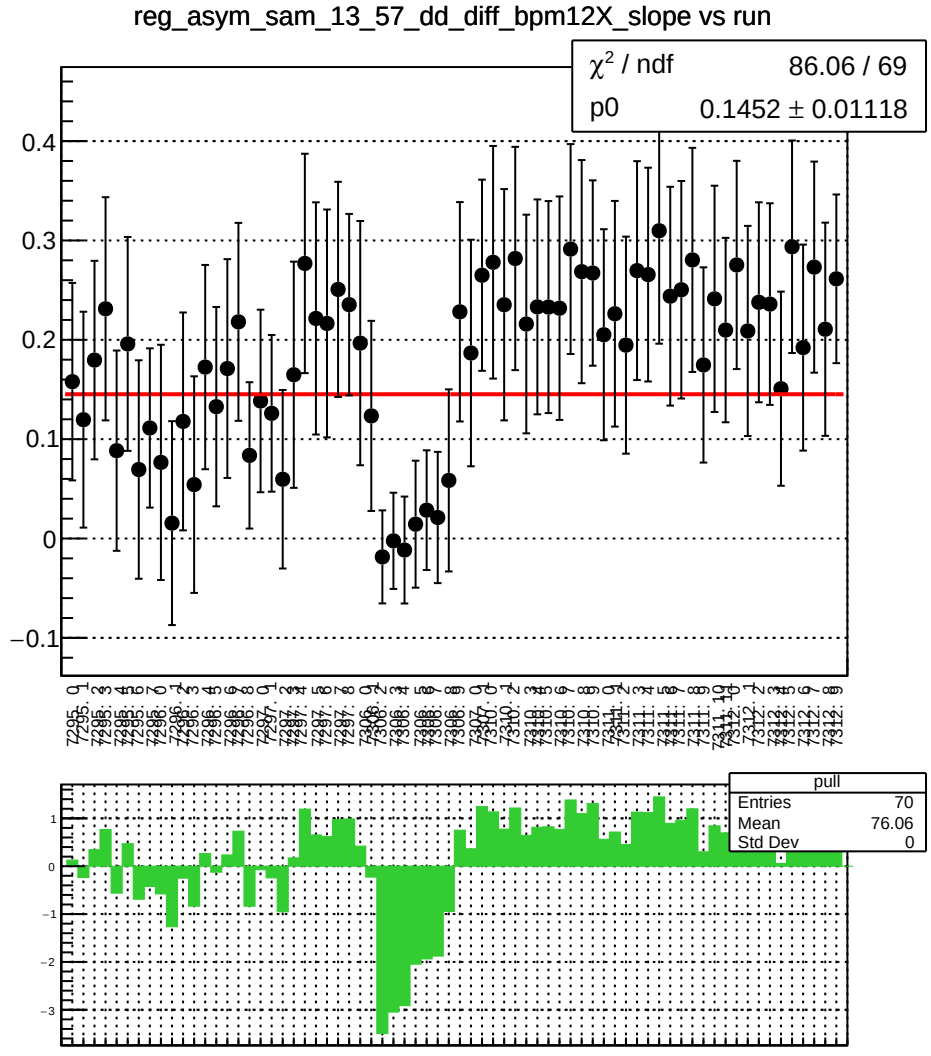

pull1D
Entries 70
Mean −0.06098
Std Dev 0.4529

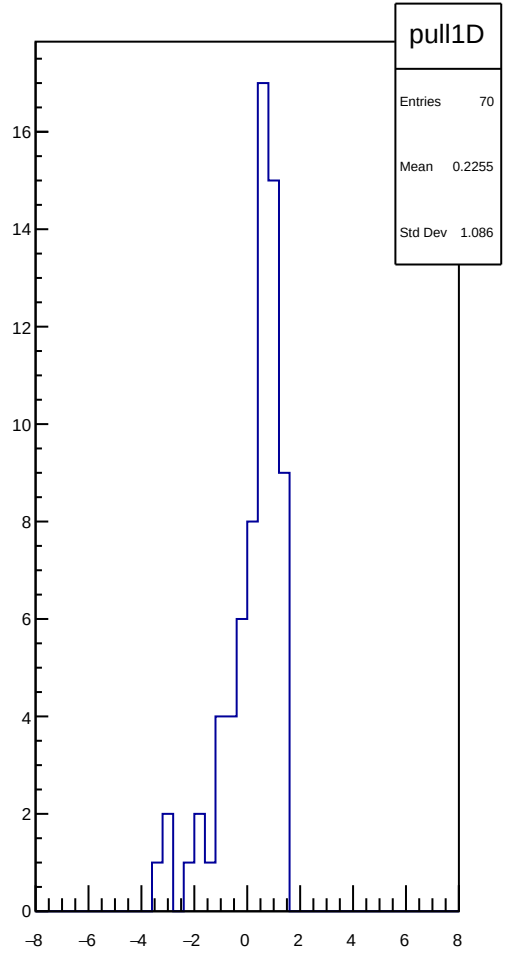

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.18 / 69
p0 −30.37 ± 0.2583
pull
Entries 70
Mean 1185
Std Dev 0

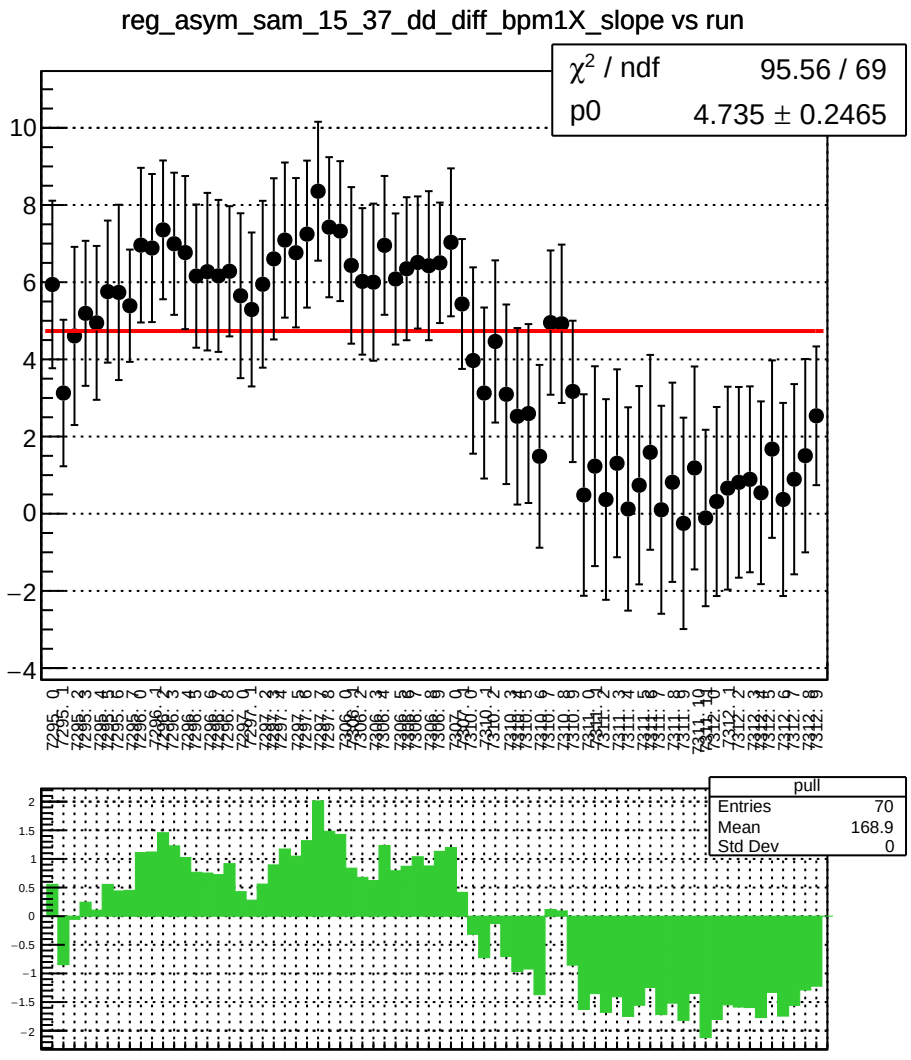

pull1D
Entries 70
Mean 0.0055
Std Dev 0.4808

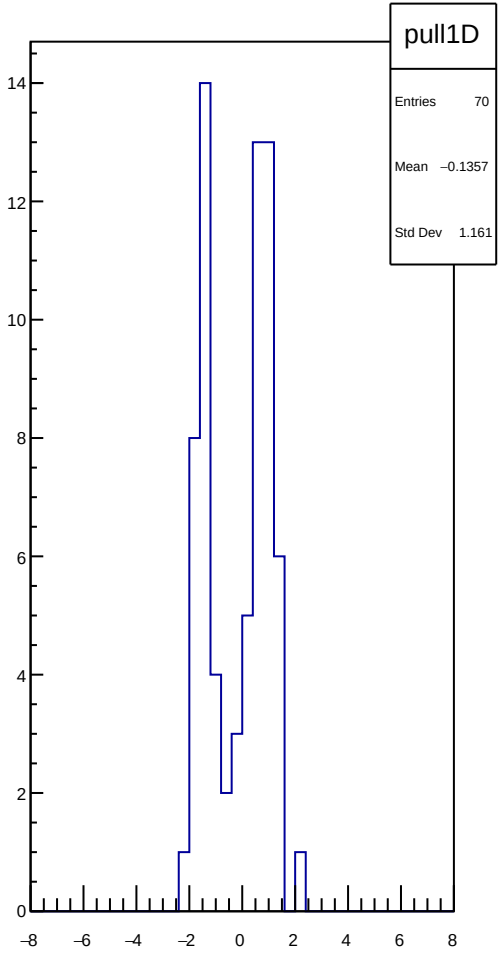

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.01 / 69
p0 −4.731 ± 0.2839
pull
Entries 70
Mean 119.3
Std Dev 0
pull1D
Entries 70
Mean 0.1268
Std Dev 0.7736

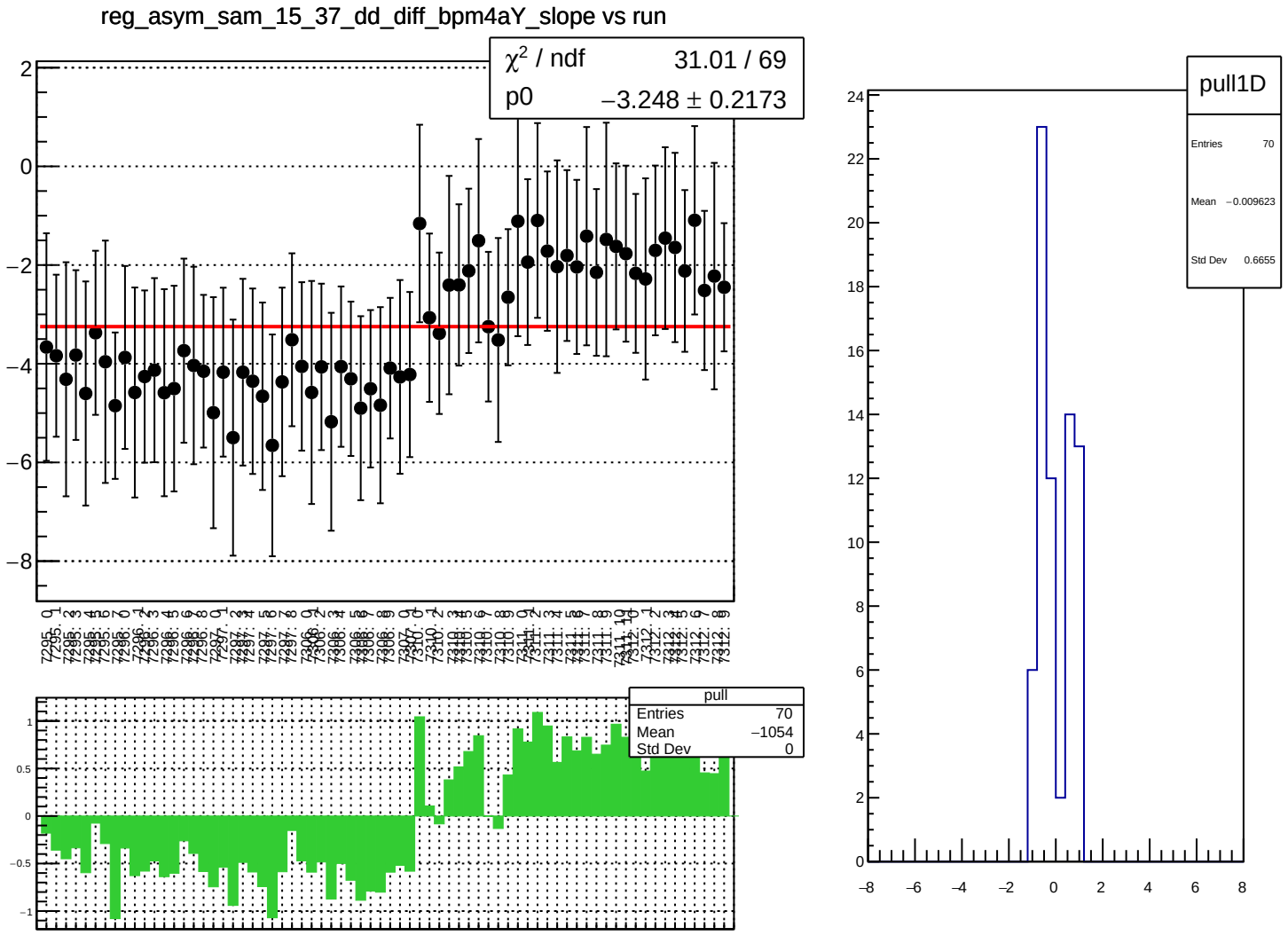

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.2 / 69
p0 −10.31 ± 0.2768
pull
Entries 70
Mean 5808
Std Dev 0
pull1D
Entries 70
Mean −0.0005307
Std Dev 0.481

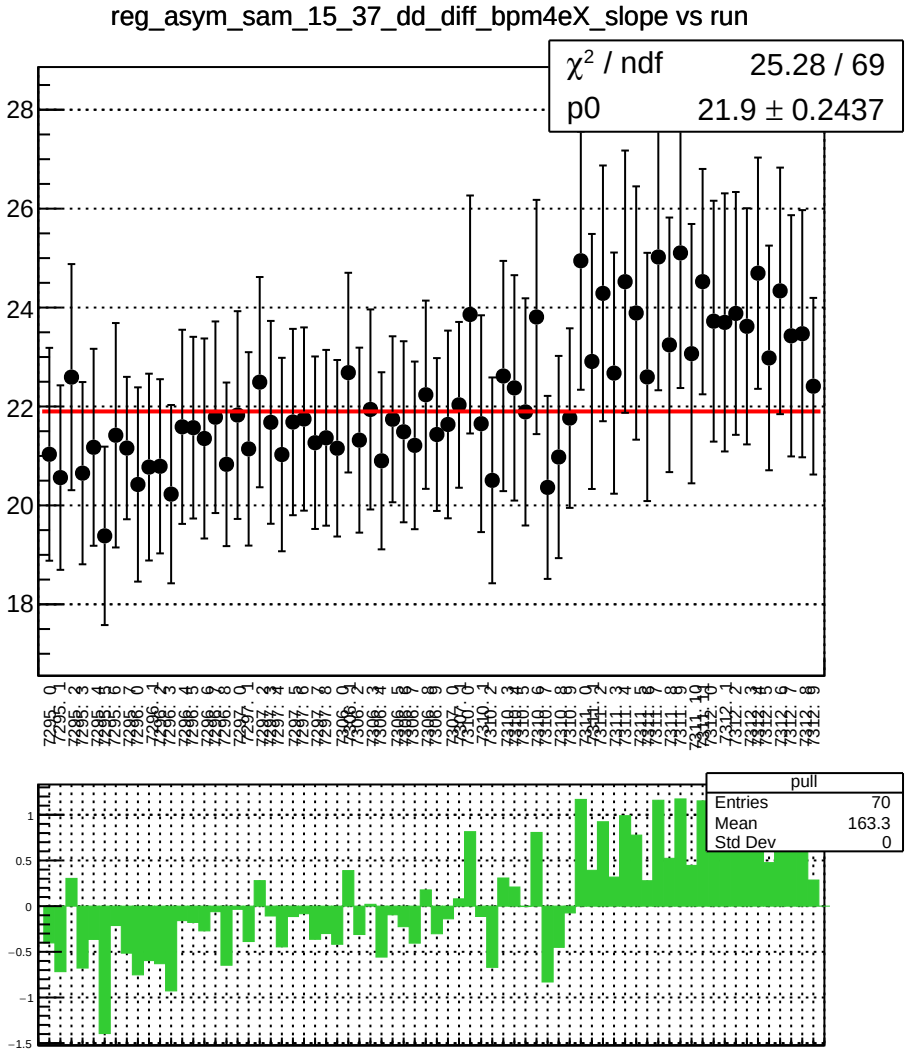

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 86.06 / 69
p0 0.1452 ± 0.01118
pull
Entries 70
Mean 76.06
Std Dev 0

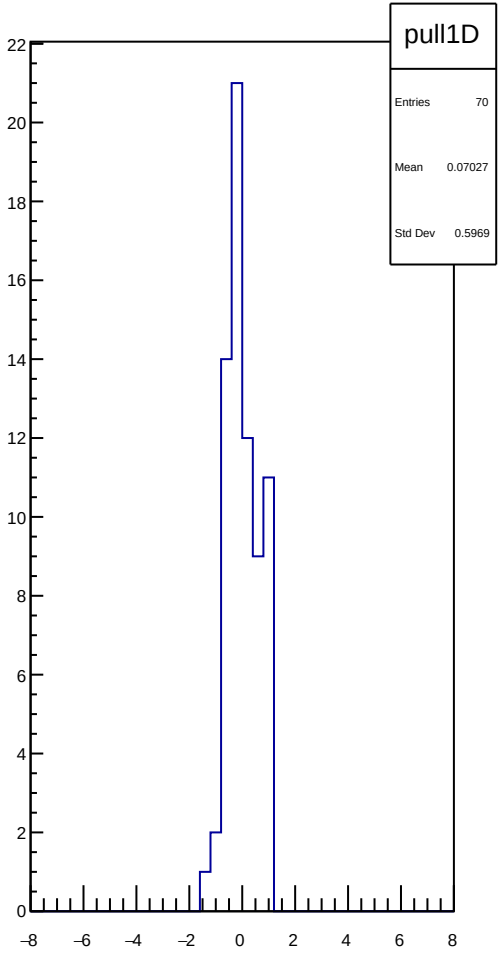

pull1D
Entries 70
Mean 0.2255
Std Dev 1.086

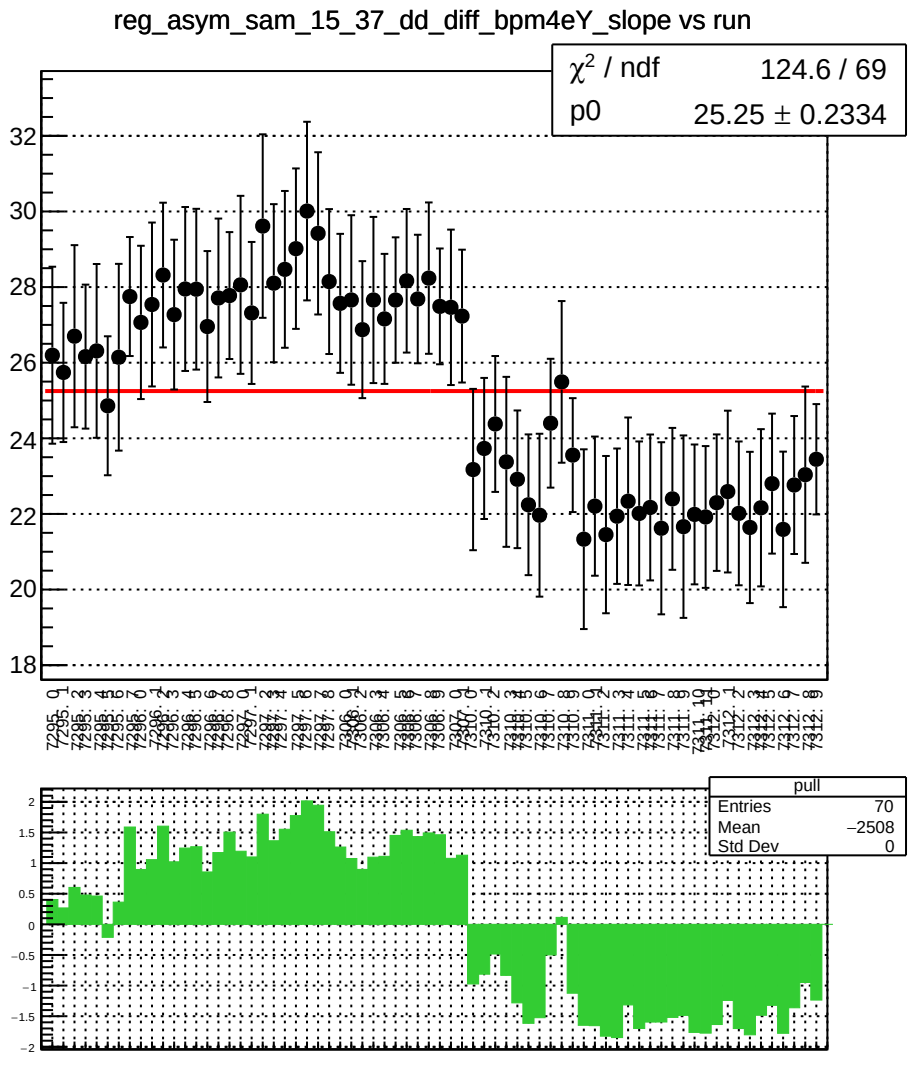

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 95.56 / 69
p0 4.735 ± 0.2465
pull
Entries 70
Mean 168.9
Std Dev 0

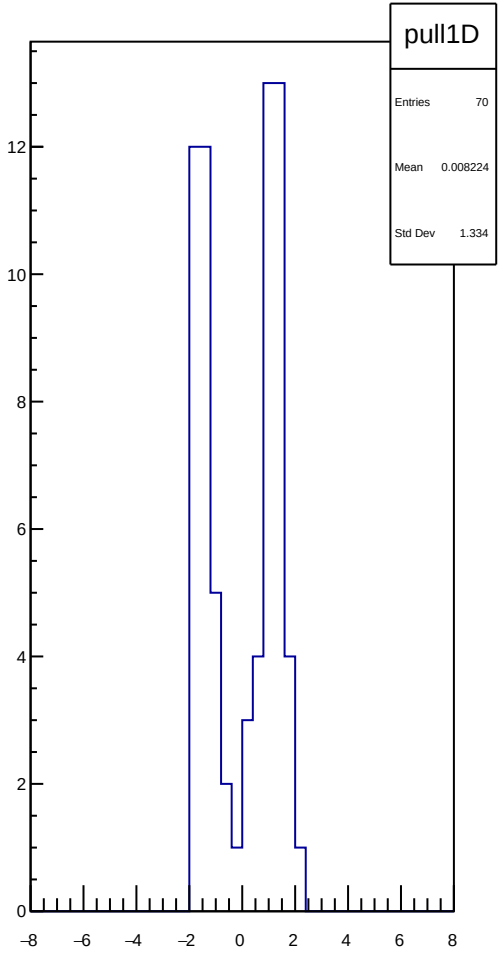

pull1D
Entries 70
Mean −0.1357
Std Dev 1.161

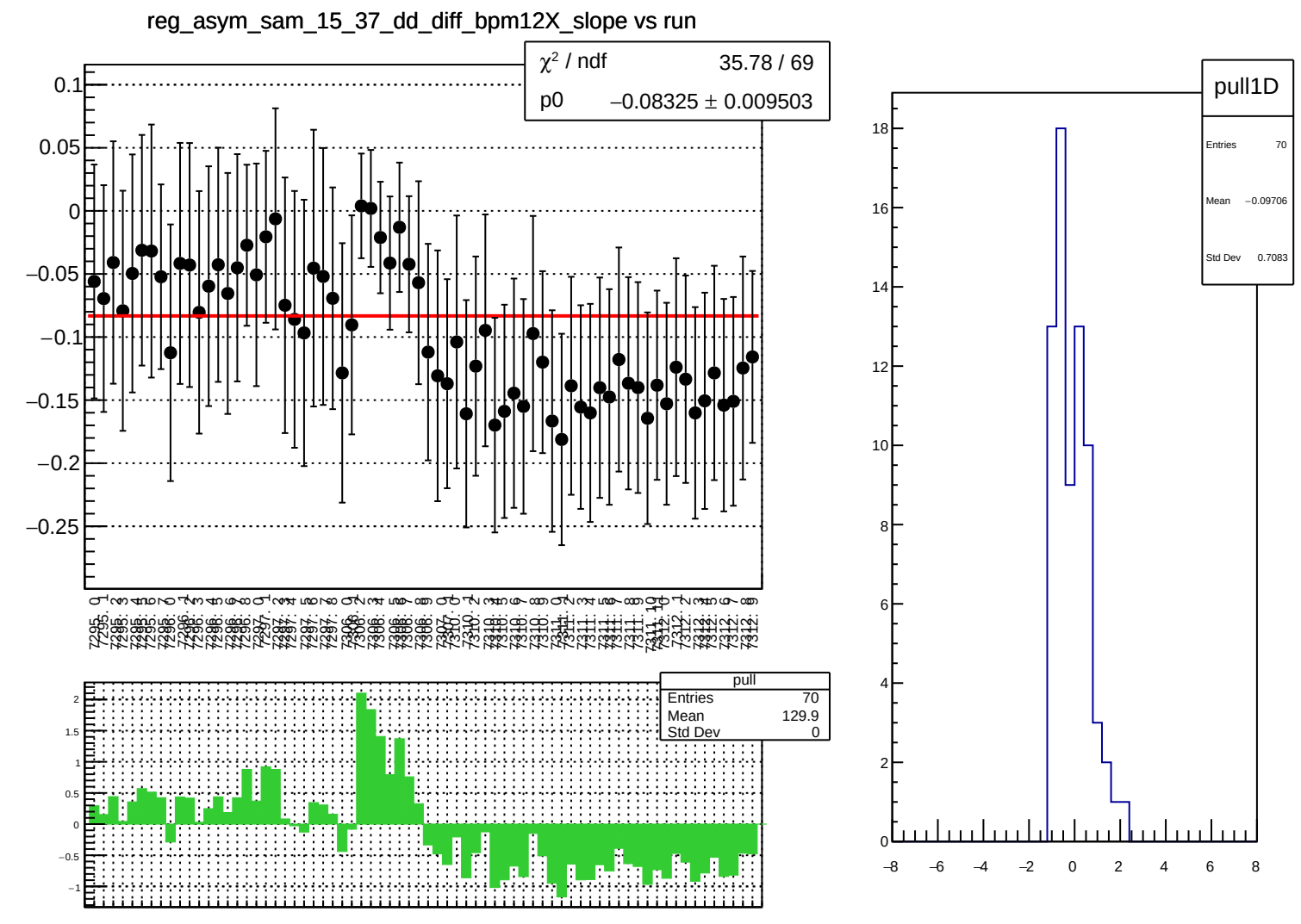

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.01 / 69
p0 −3.248 ± 0.2173
pull
Entries 70
Mean −1054
Std Dev 0
pull1D
Entries 70
Mean −0.009623
Std Dev 0.6655

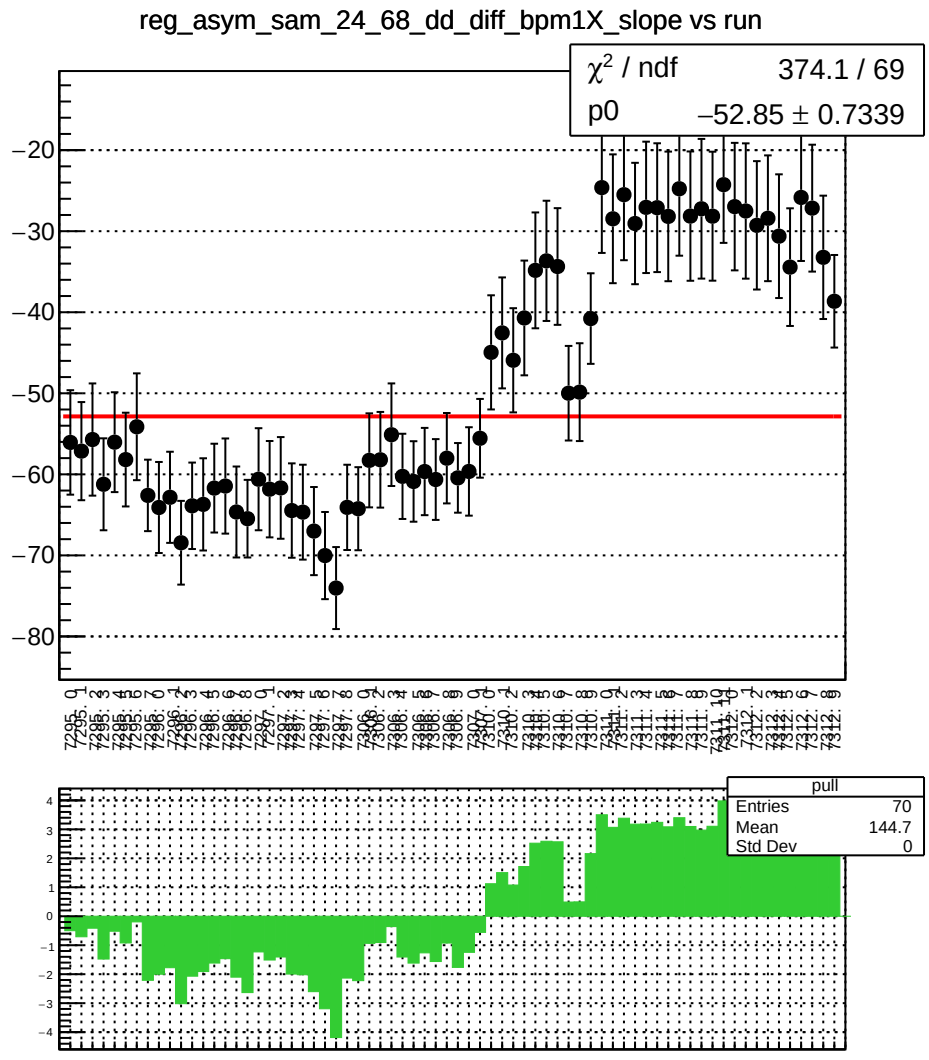

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.28 / 69
p0 21.9 ± 0.2437
pull
Entries 70
Mean 163.3
Std Dev 0

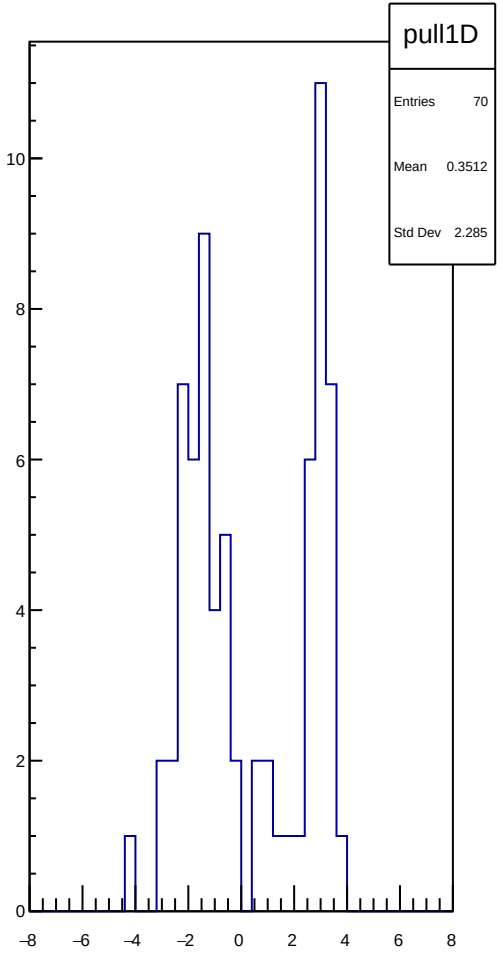

pull1D
Entries 70
Mean 0.07027
Std Dev 0.5969

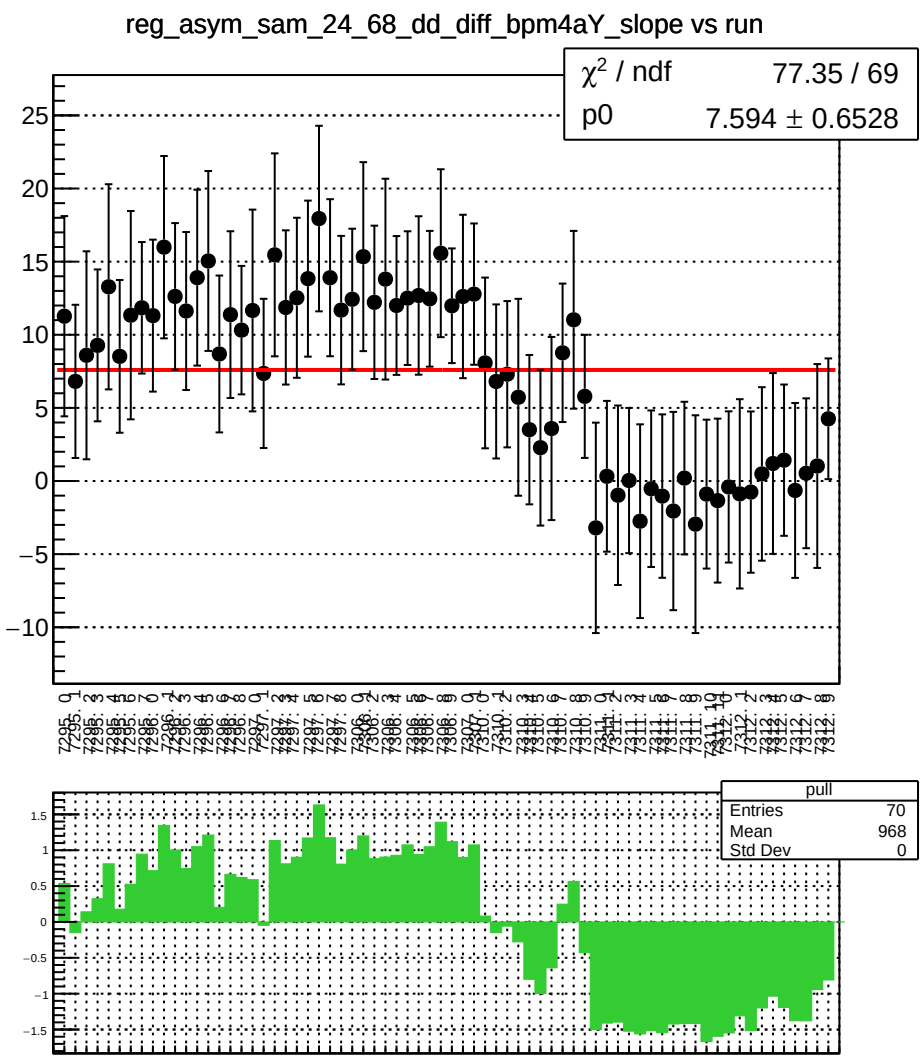

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 124.6 / 69
p0 25.25 ± 0.2334
pull
Entries 70
Mean −2508
Std Dev 0

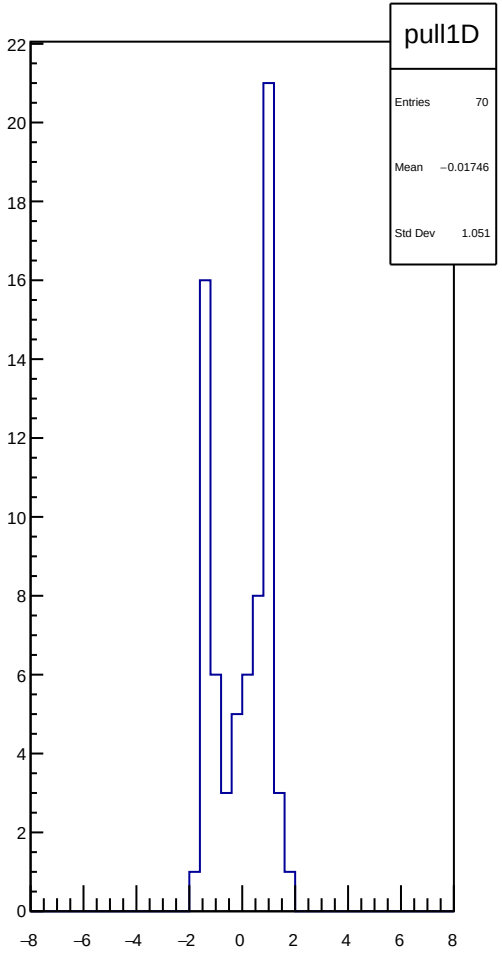

pull1D
Entries 70
Mean 0.008224
Std Dev 1.334

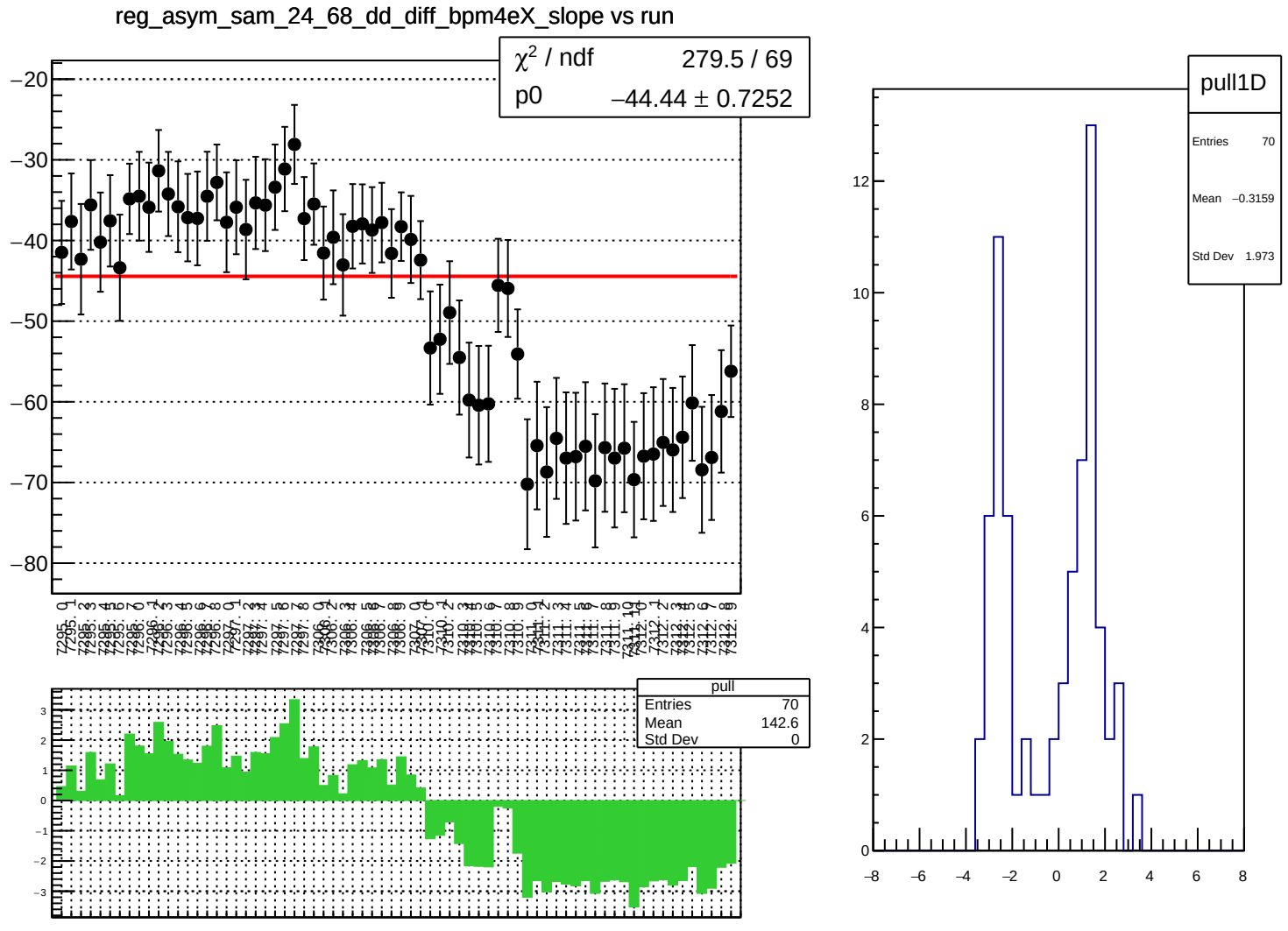

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 35.78 / 69
p0 −0.08325 ± 0.009503
pull
Entries 70
Mean 129.9
Std Dev 0
pull1D
Entries 70
Mean −0.09706
Std Dev 0.7083

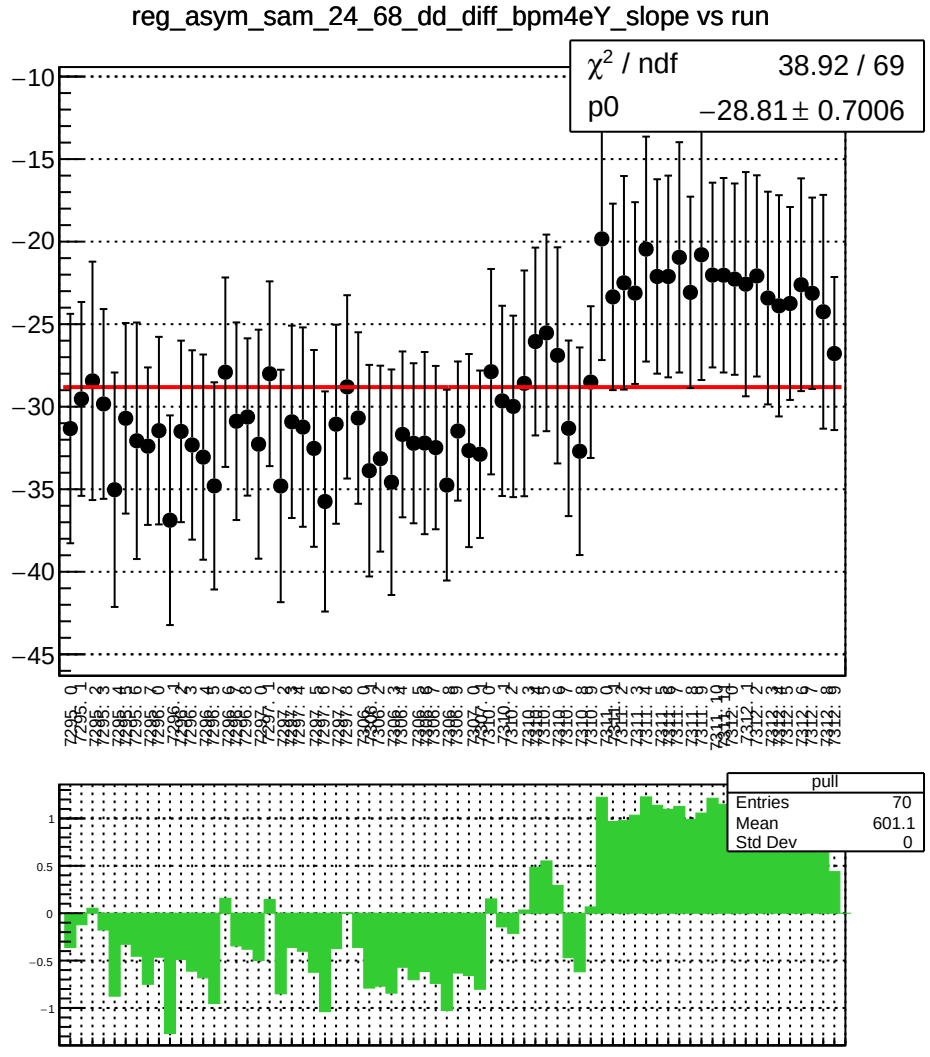

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 374.1 / 69
p0 −52.85 ± 0.7339
pull
Entries 70
Mean 144.7
Std Dev 0

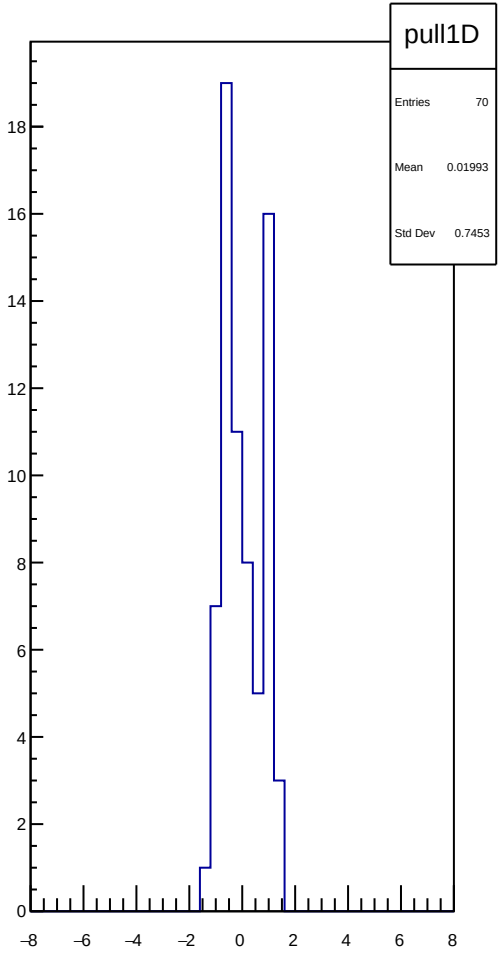

pull1D
Entries 70
Mean 0.3512
Std Dev 2.285

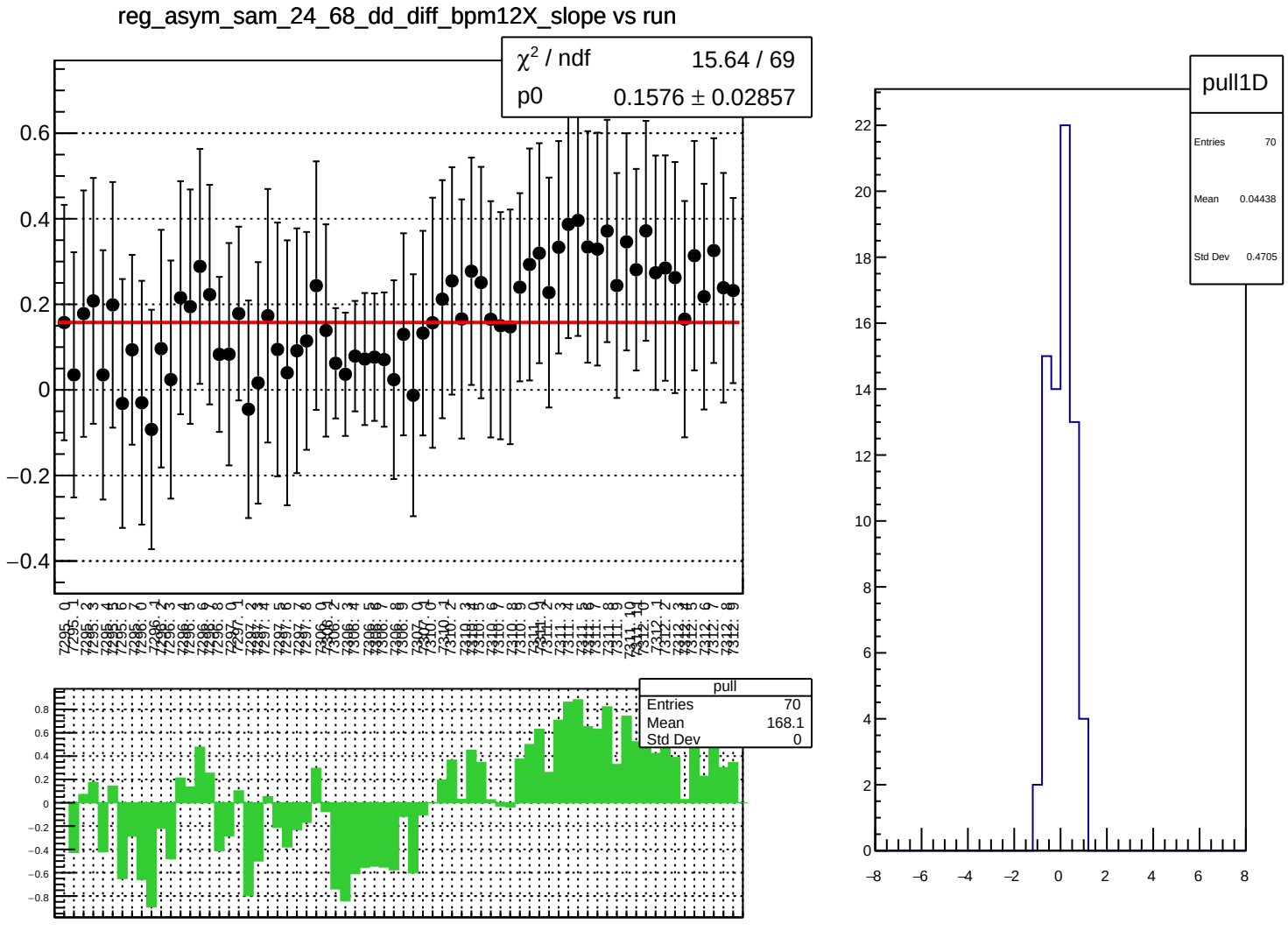

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.35 / 69
p0 7.594 ± 0.6528
pull
Entries 70
Mean 968
Std Dev 0

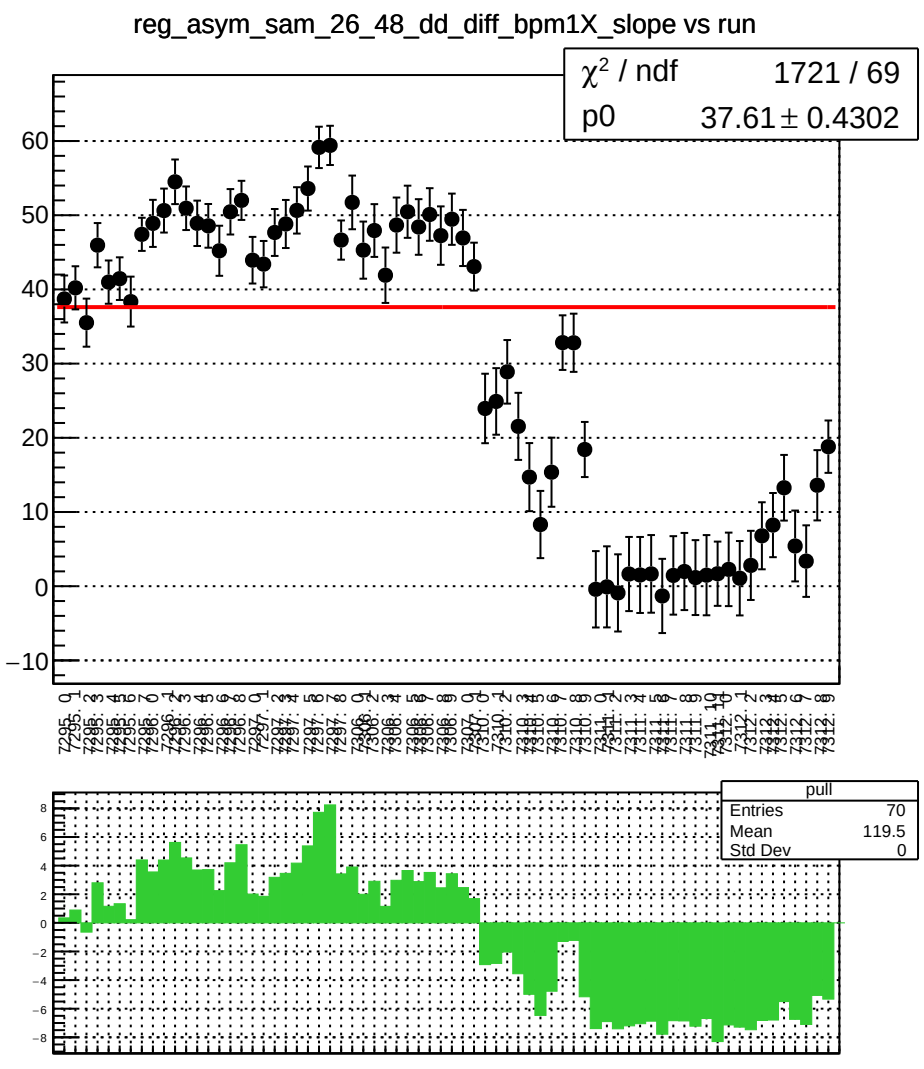

pull1D
Entries 70
Mean −0.01746
Std Dev 1.051

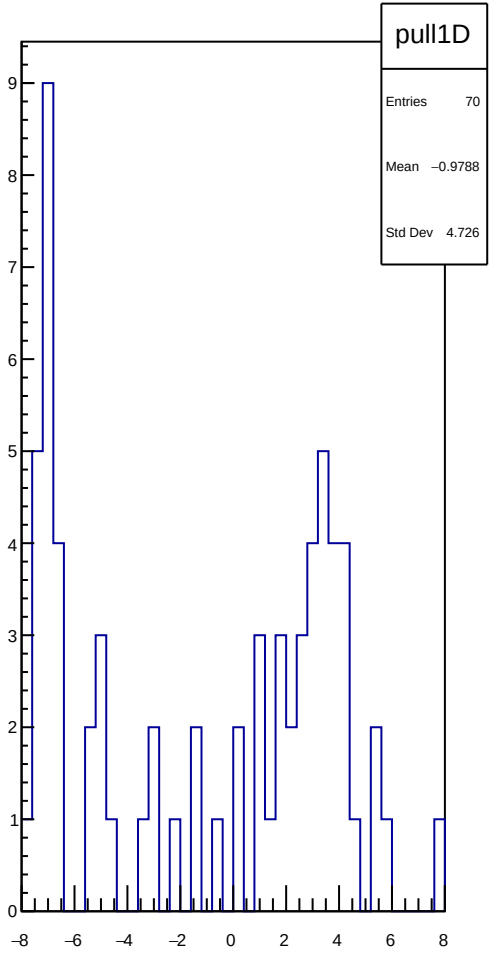

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 279.5 / 69
p0 −44.44 ± 0.7252
pull
Entries 70
Mean 142.6
Std Dev 0
pull1D
Entries 70
Mean −0.3159
Std Dev 1.973

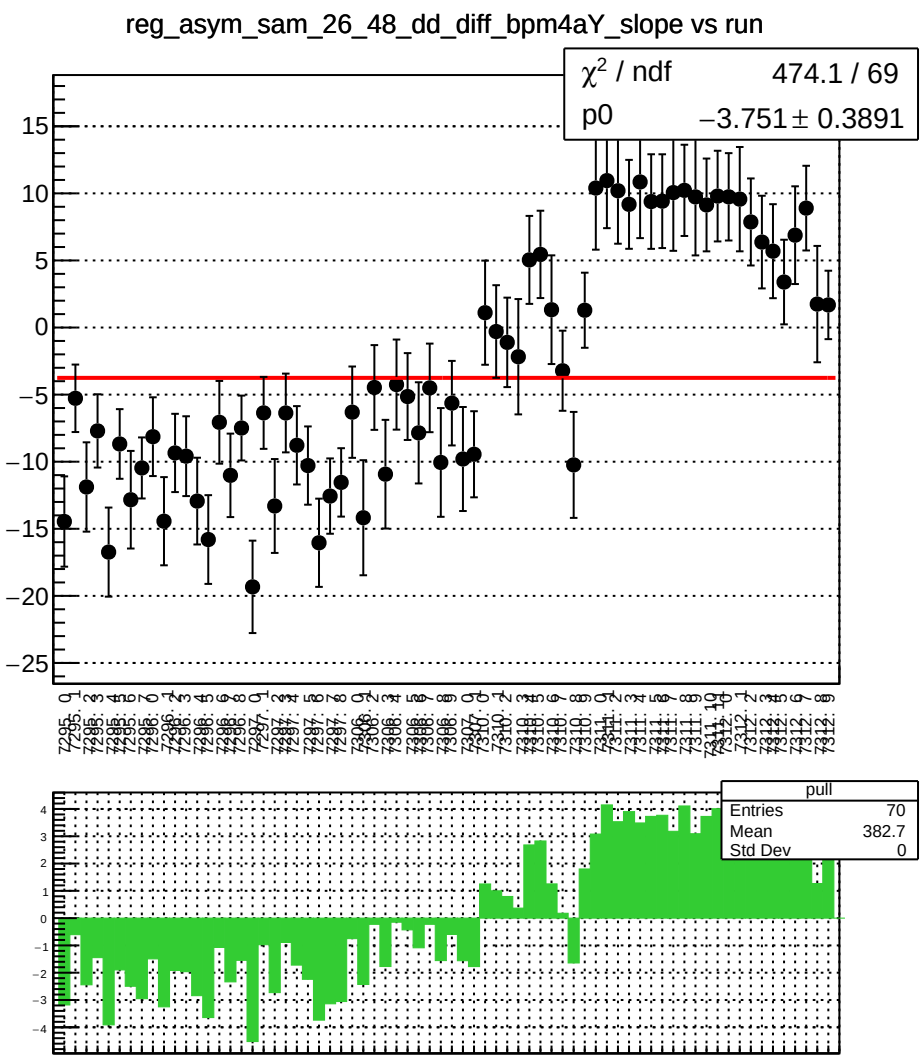

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.92 / 69
p0 −28.81 ± 0.7006
pull
Entries 70
Mean 601.1
Std Dev 0

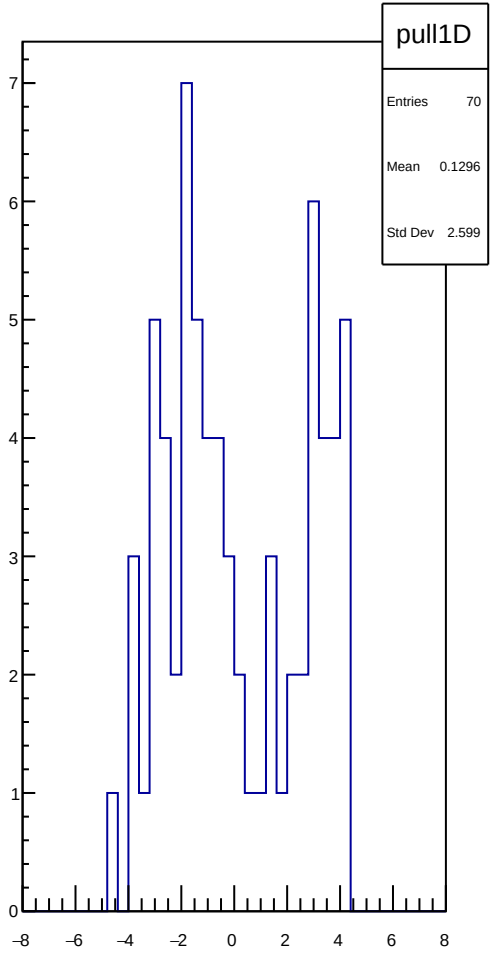

pull1D
Entries 70
Mean 0.01993
Std Dev 0.7453

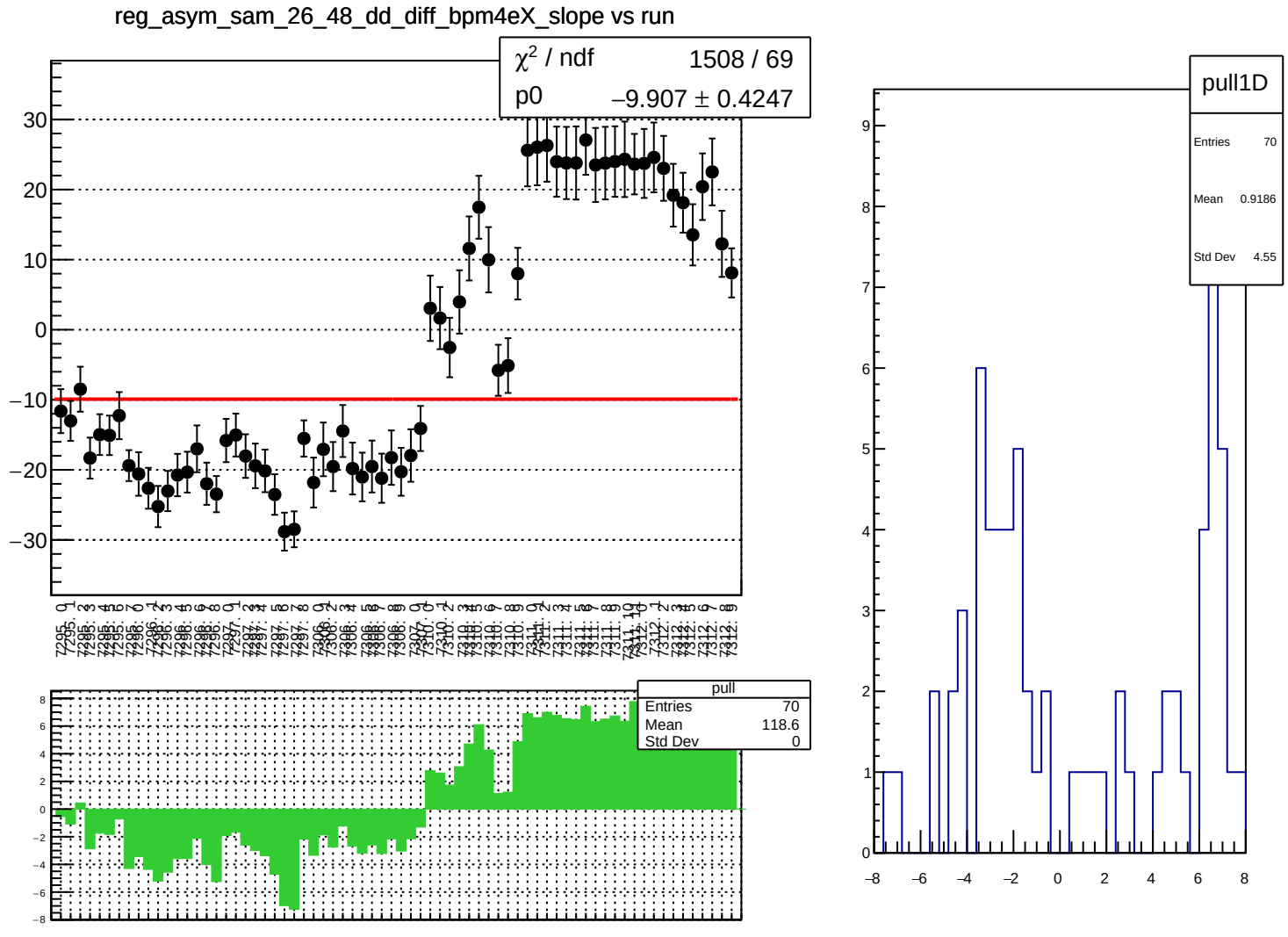

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 15.64 / 69
p0 0.1576 ± 0.02857
pull
Entries 70
Mean 168.1
Std Dev 0
pull1D
Entries 70
Mean 0.04438
Std Dev 0.4705

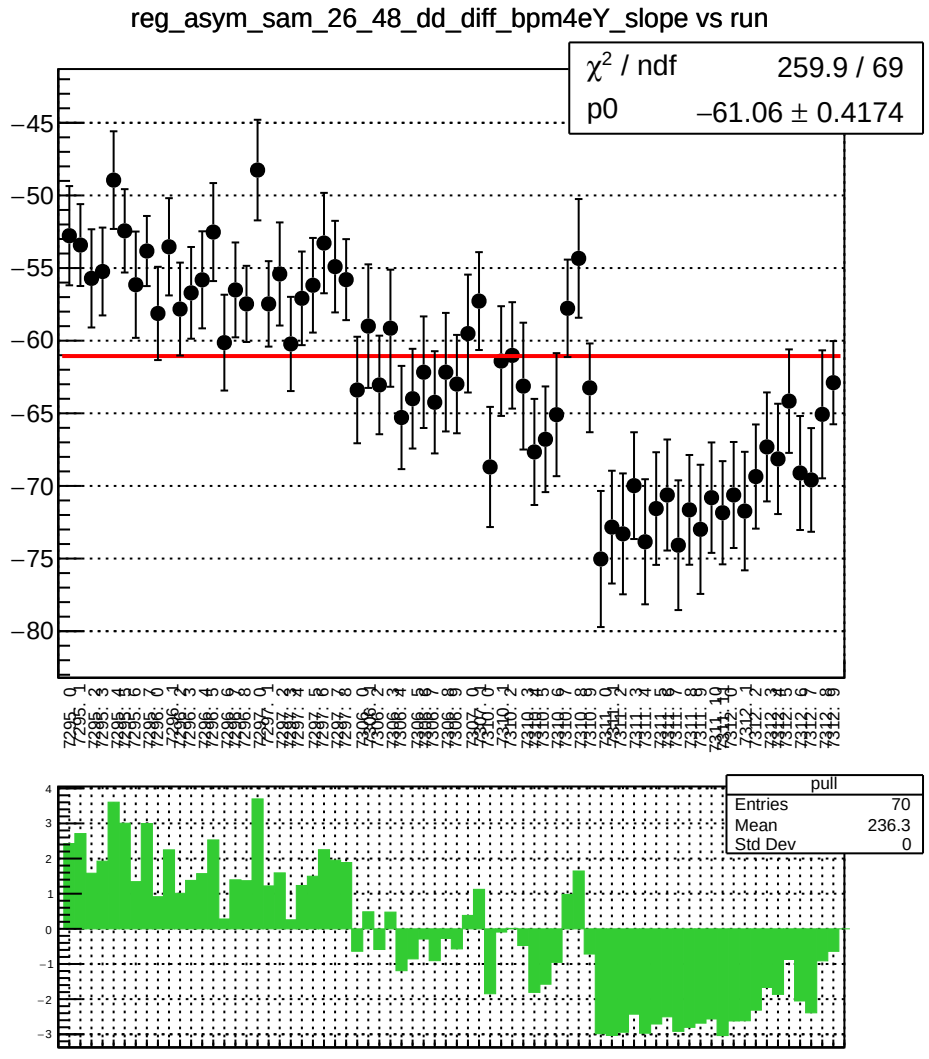

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1721 / 69
p0 37.61 ± 0.4302
pull
Entries 70
Mean 119.5
Std Dev 0

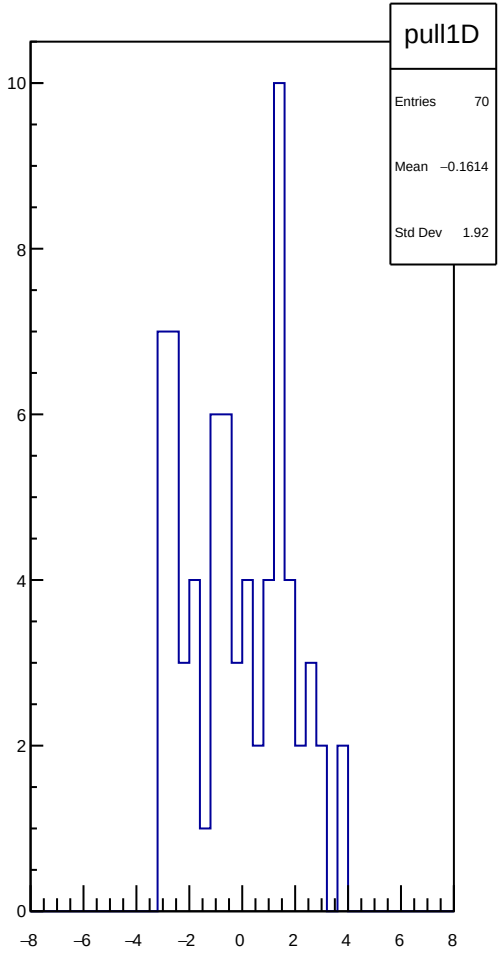

pull1D
Entries 70
Mean −0.9788
Std Dev 4.726

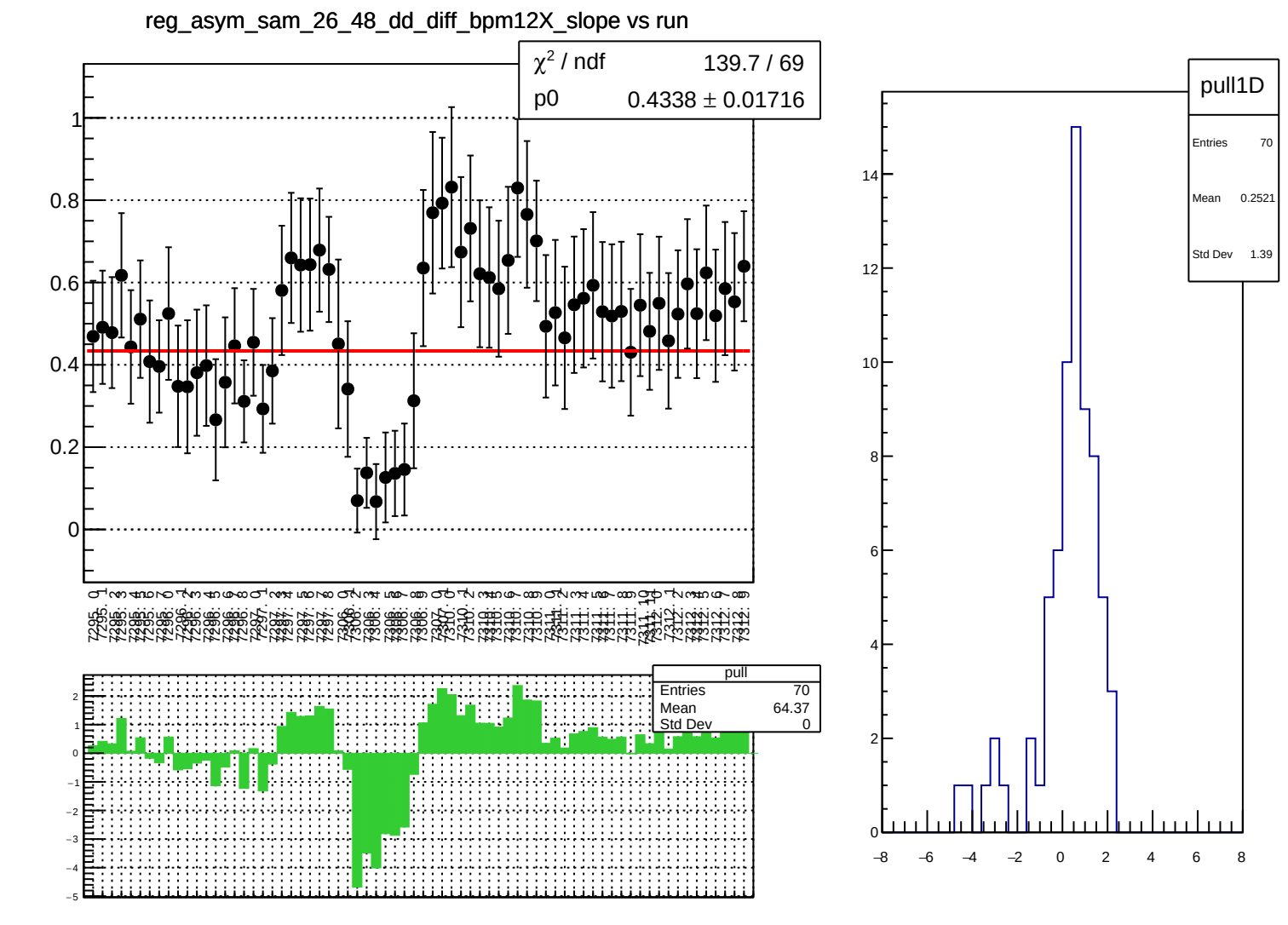

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 474.1 / 69
p0 −3.751 ± 0.3891
pull
Entries 70
Mean 382.7
Std Dev 0

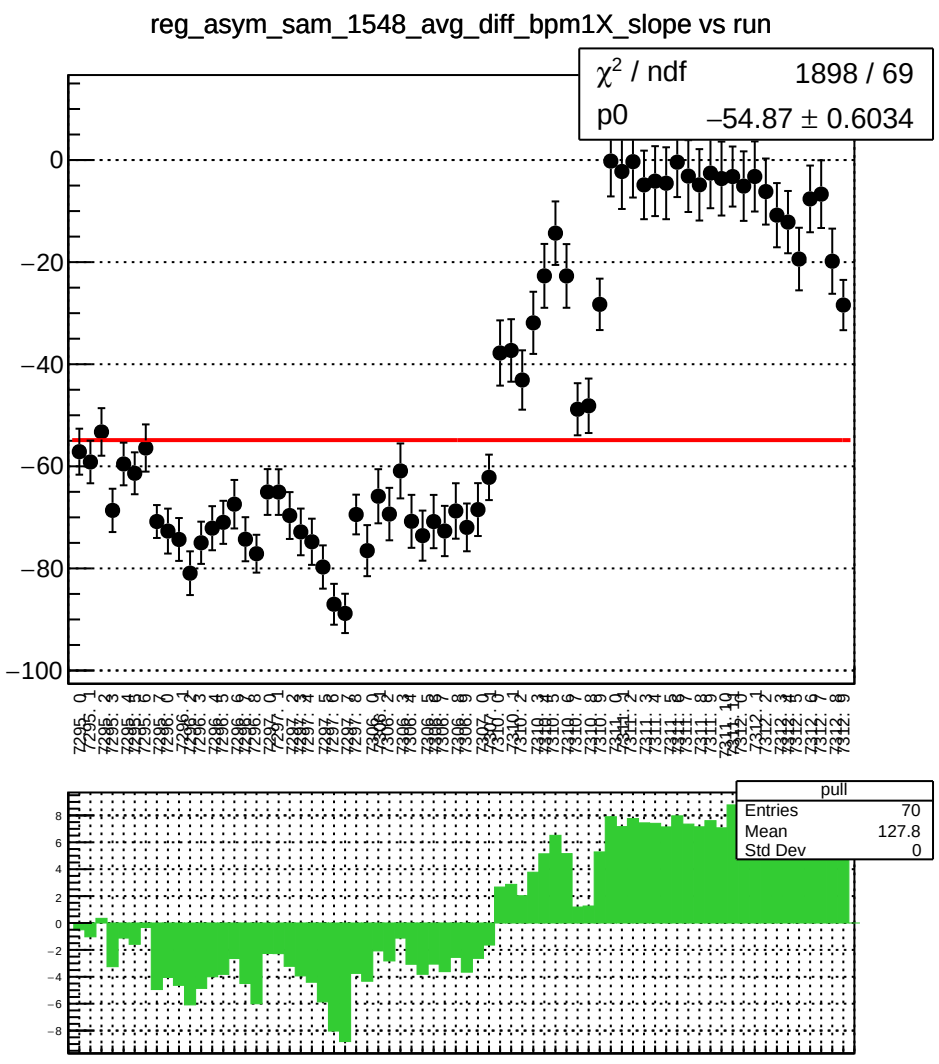

pull1D
Entries 70
Mean 0.1296
Std Dev 2.599

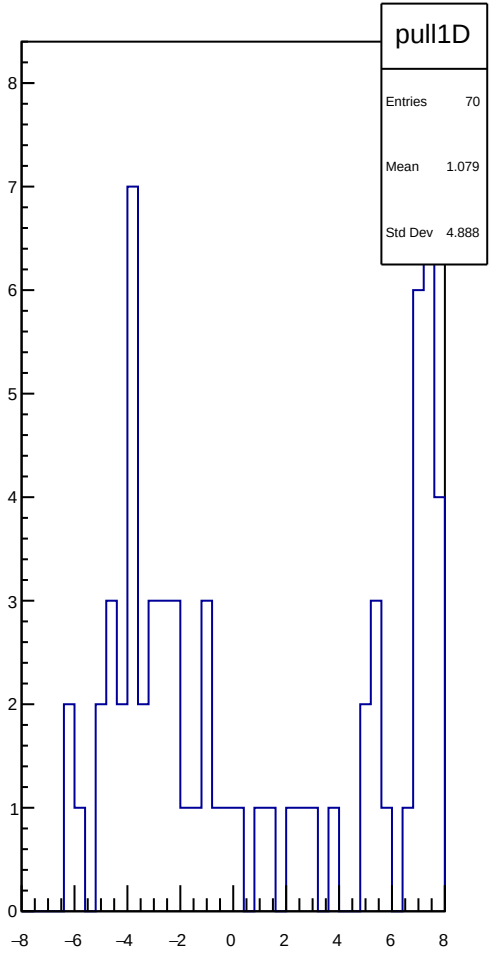

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1508 / 69
p0 −9.907 ± 0.4247
pull
Entries 70
Mean 118.6
Std Dev 0
pull1D
Entries 70
Mean 0.9186
Std Dev 4.55

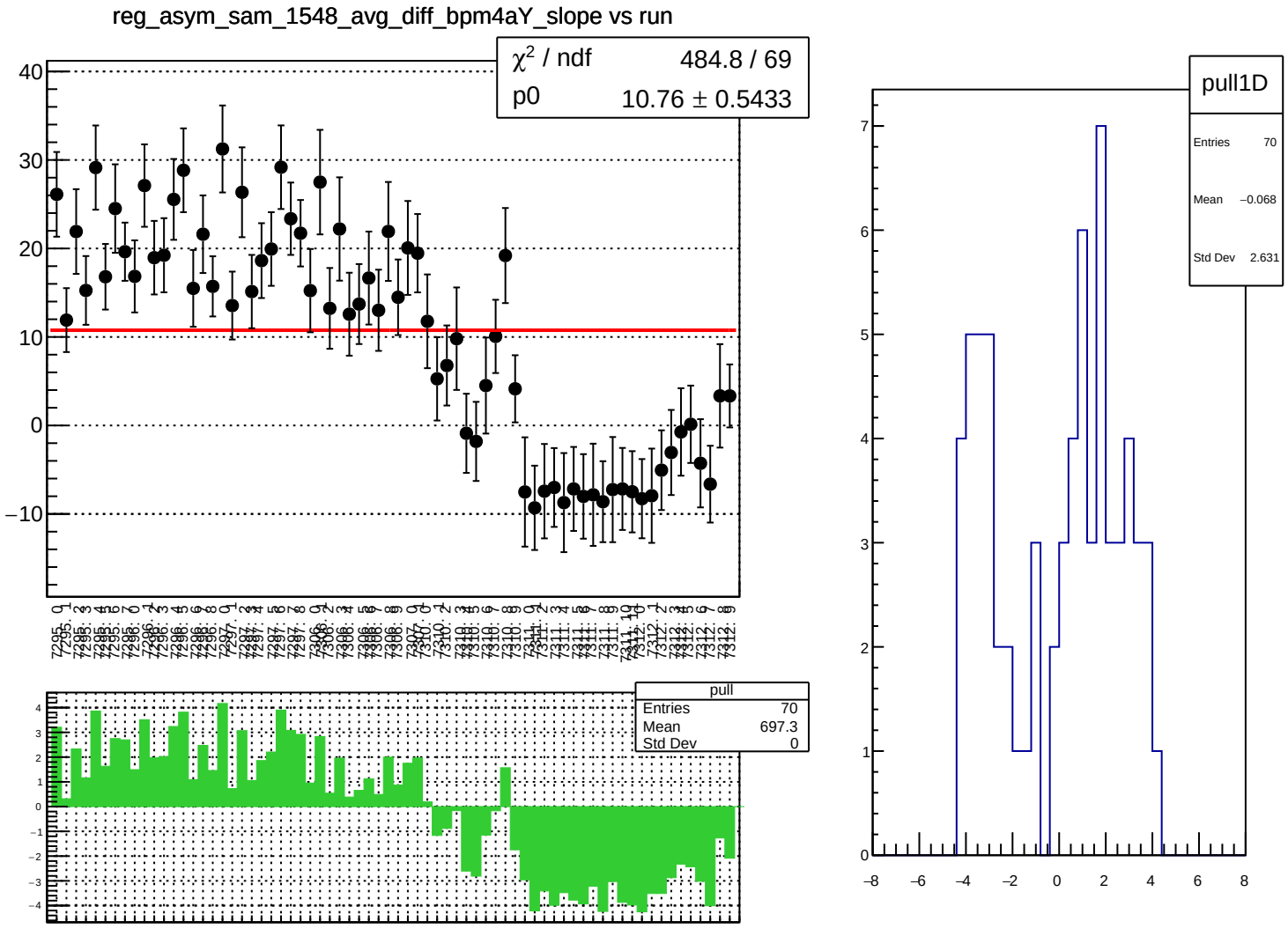

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 259.9 / 69
p0 −61.06 ± 0.4174
pull
Entries 70
Mean 236.3
Std Dev 0

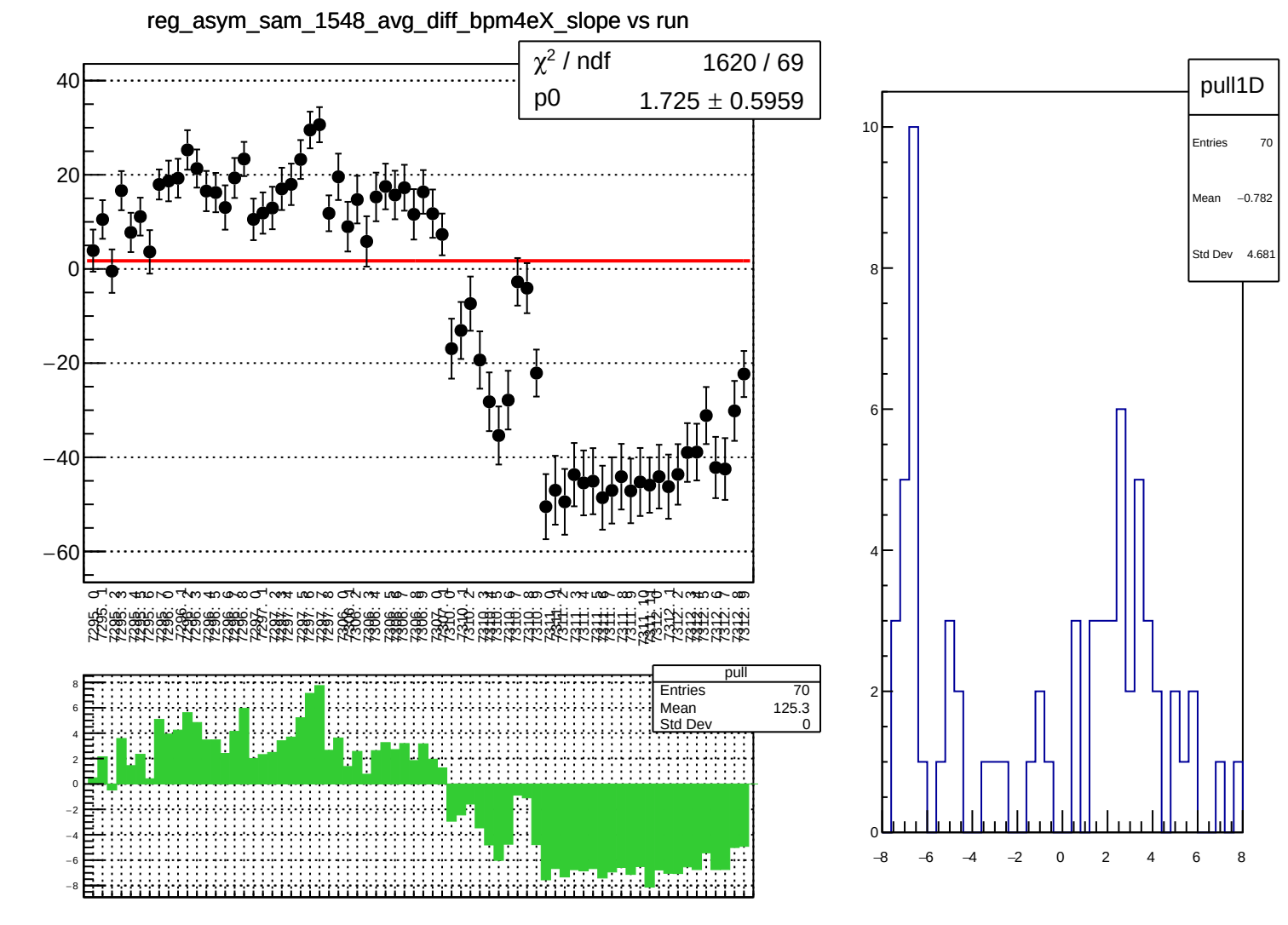

pull1D
Entries 70
Mean −0.1614
Std Dev 1.92

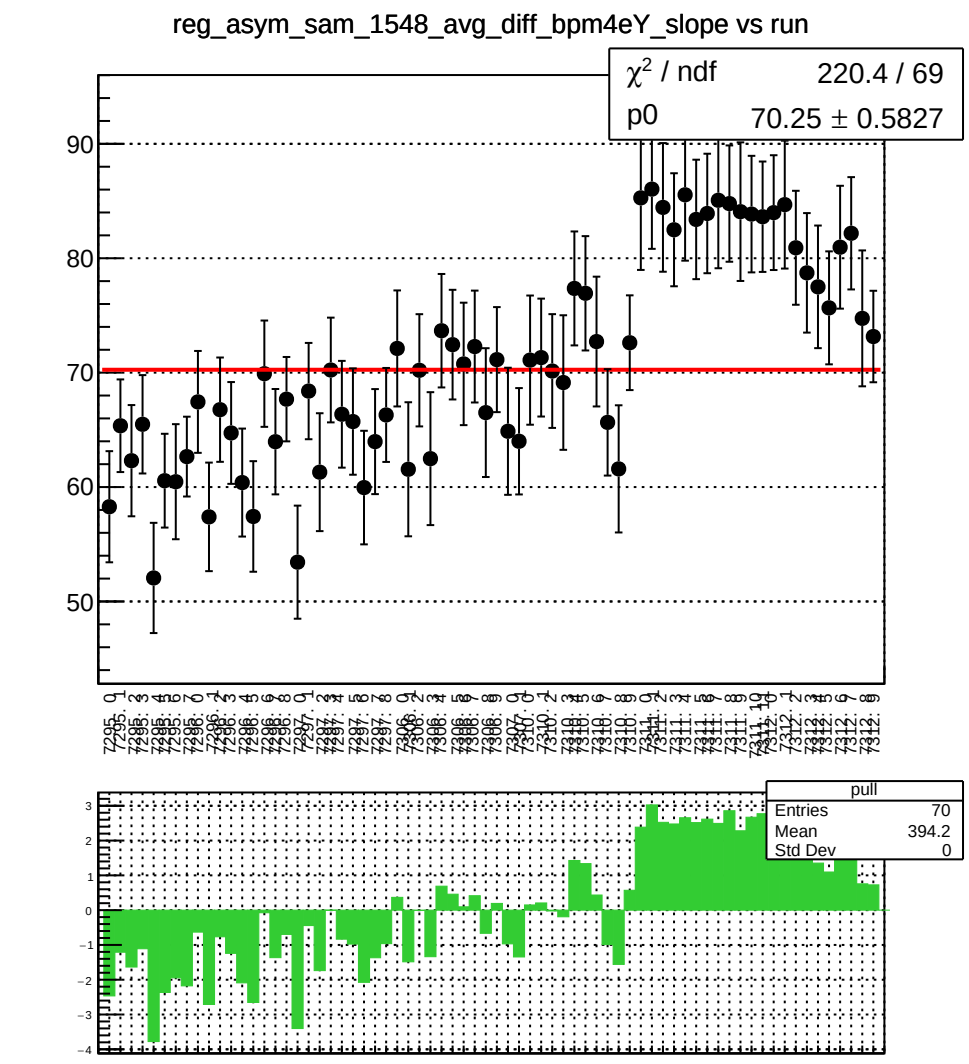

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 139.7 / 69
p0 0.4338 ± 0.01716
pull
Entries 70
Mean 64.37
Std Dev 0
pull1D
Entries 70
Mean 0.2521
Std Dev 1.39

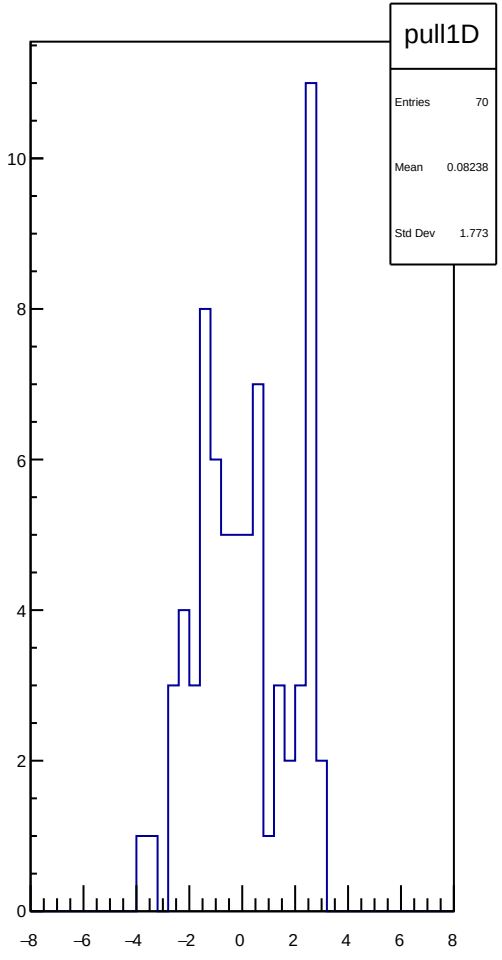

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1898 / 69
p0 −54.87 ± 0.6034
pull
Entries 70
Mean 127.8
Std Dev 0

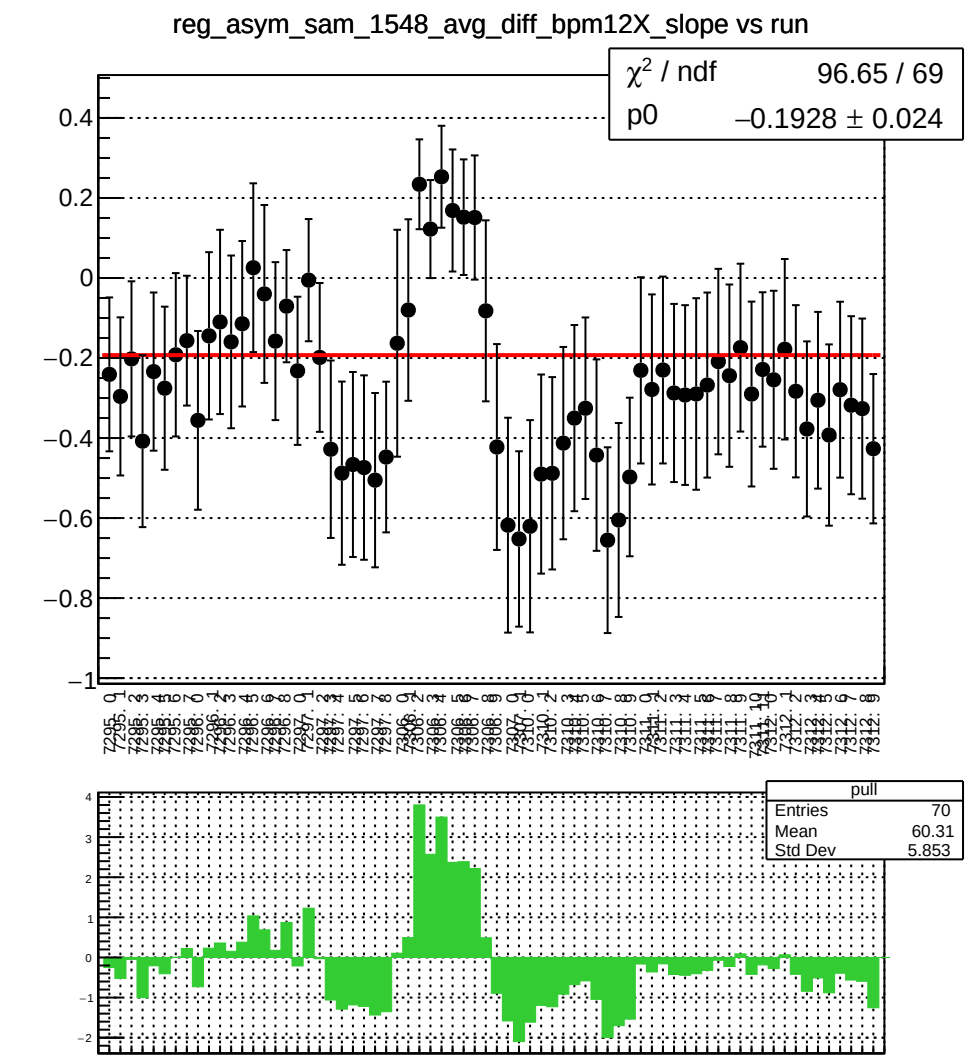

pull1D
Entries 70
Mean 1.079
Std Dev 4.888

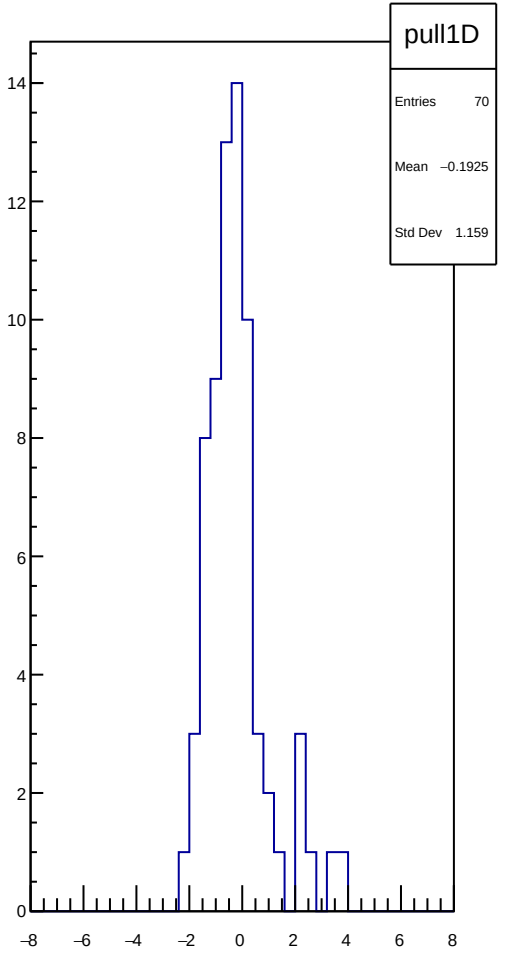

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 484.8 / 69
p0 10.76 ± 0.5433
pull
Entries 70
Mean 697.3
Std Dev 0
pull1D
Entries 70
Mean −0.068
Std Dev 2.631

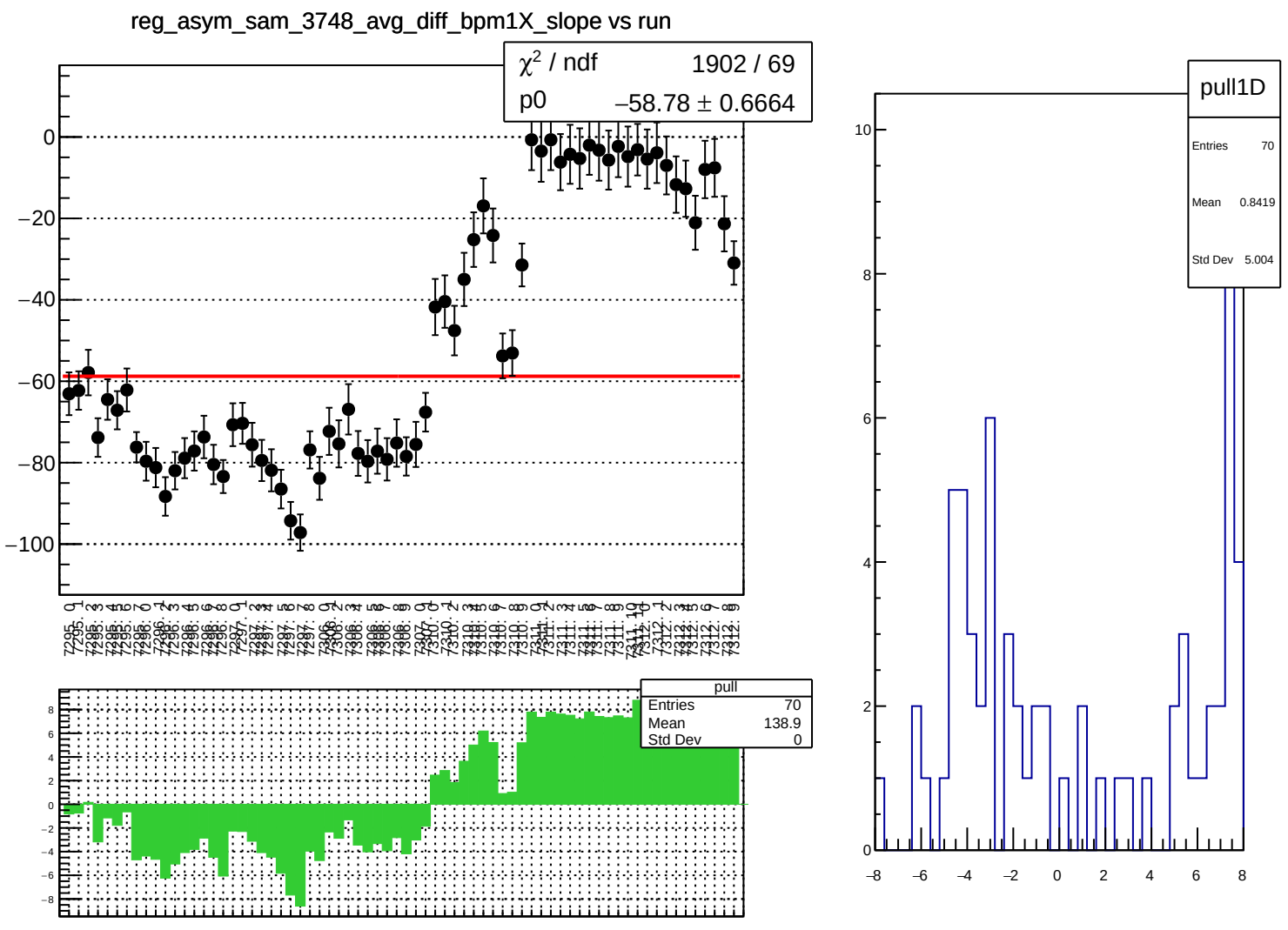

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1620 / 69
p0 1.725 ± 0.5959
pull
Entries 70
Mean 125.3
Std Dev 0
pull1D
Entries 70
Mean −0.782
Std Dev 4.681

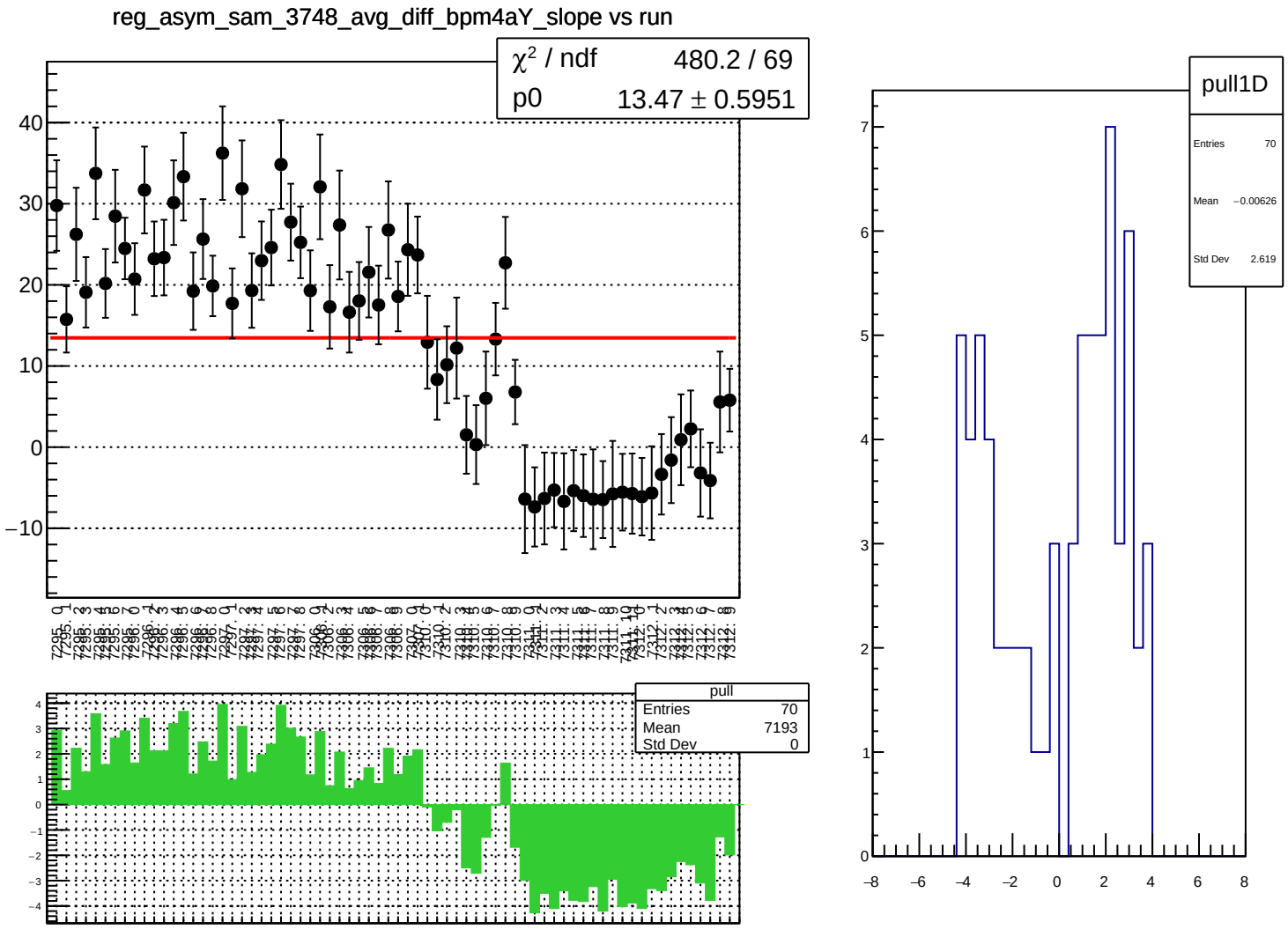

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 220.4 / 69
p0 70.25 ± 0.5827
pull
Entries 70
Mean 394.2
Std Dev 0

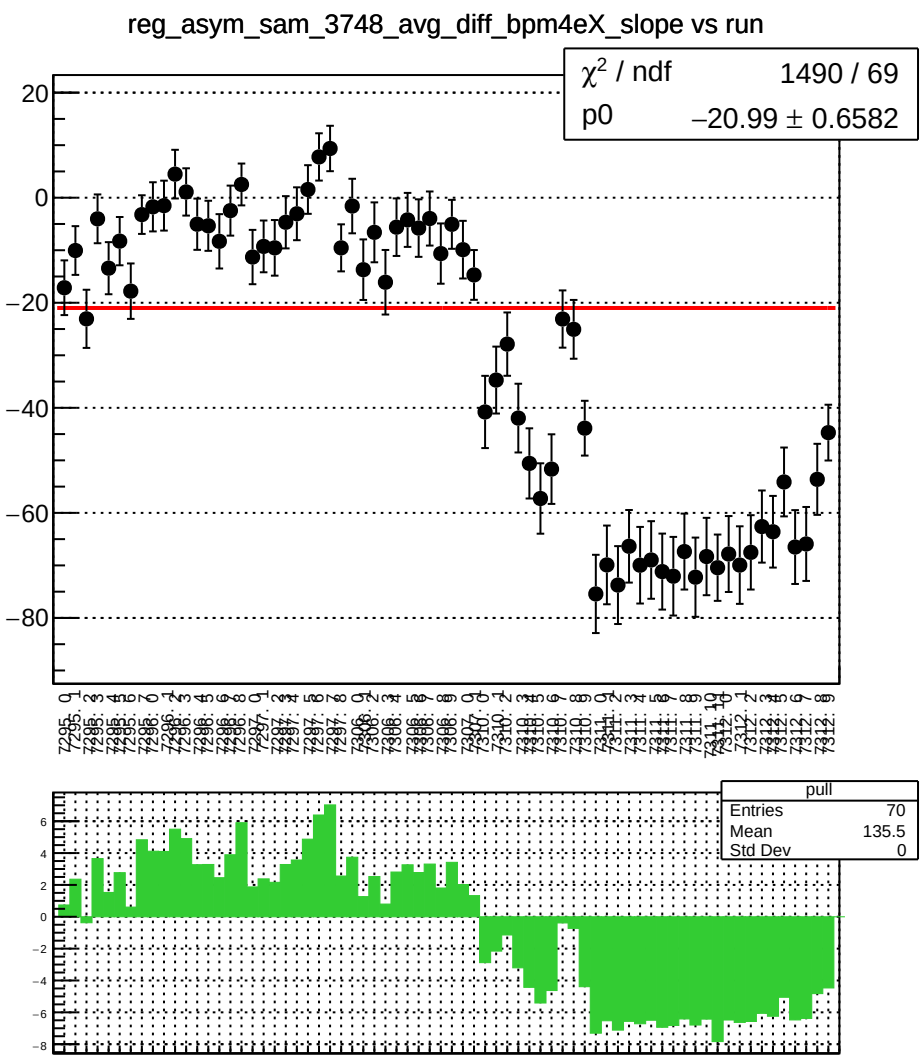

pull1D
Entries 70
Mean 0.08238
Std Dev 1.773

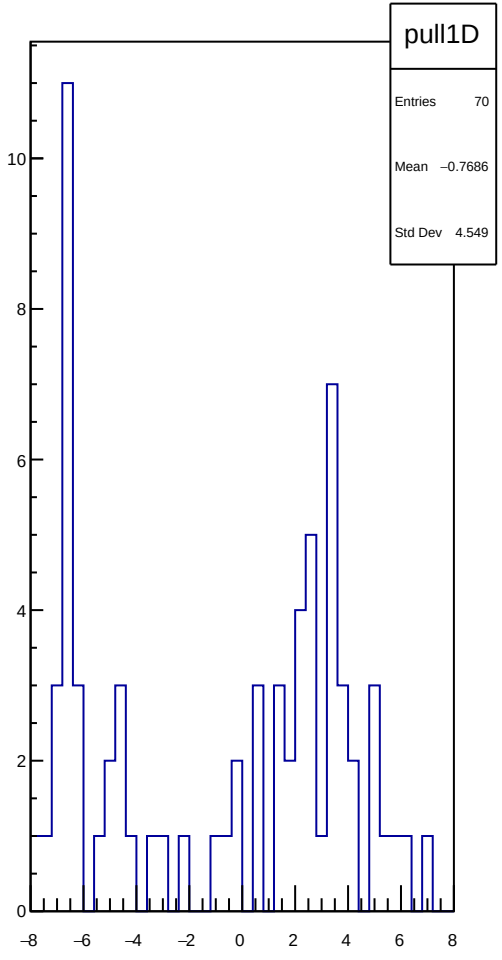

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 96.65 / 69
p0 −0.1928 ± 0.024
pull
Entries 70
Mean 60.31
Std Dev 5.853

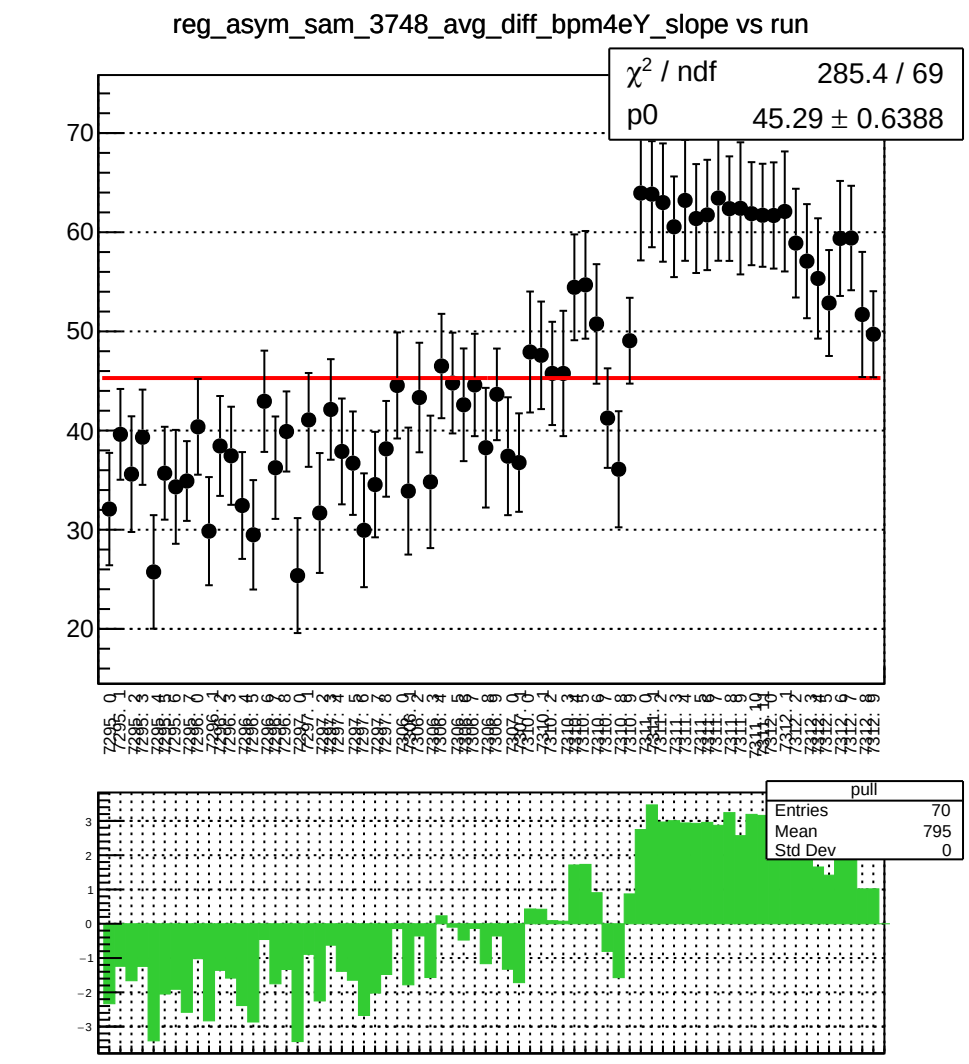

pull1D
Entries 70
Mean −0.1925
Std Dev 1.159

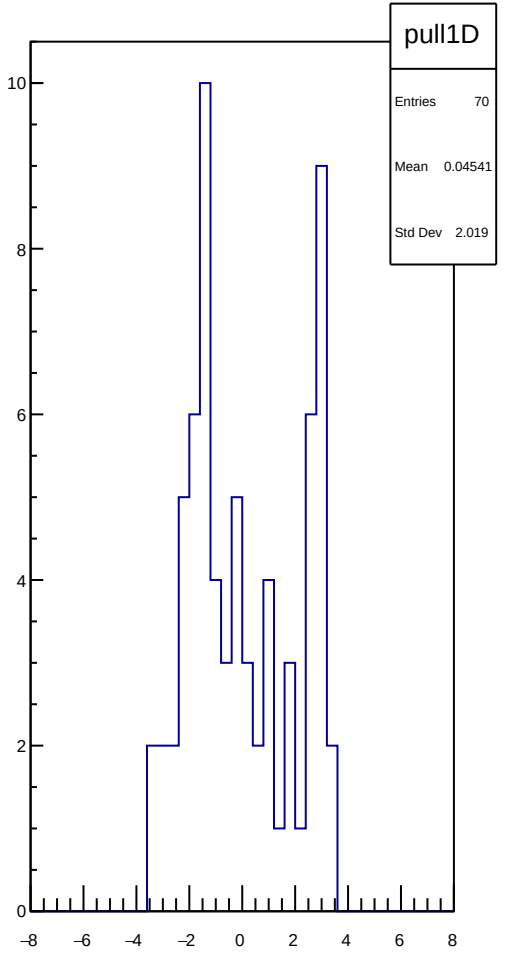

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1902 / 69
p0 −58.78 ± 0.6664
pull
Entries 70
Mean 138.9
Std Dev 0
pull1D
Entries 70
Mean 0.8419
Std Dev 5.004

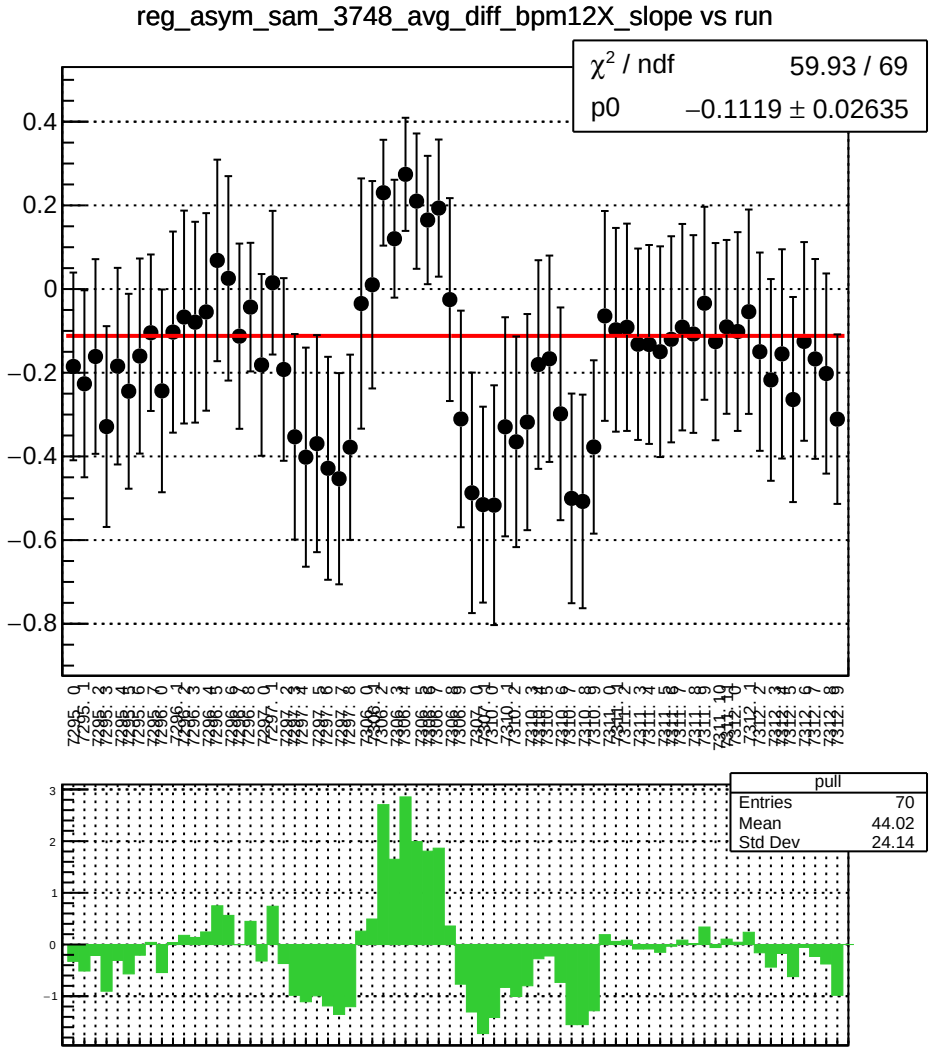

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 480.2 / 69
p0 13.47 ± 0.5951
pull
Entries 70
Mean 7193
Std Dev 0
pull1D
Entries 70
Mean −0.00626
Std Dev 2.619

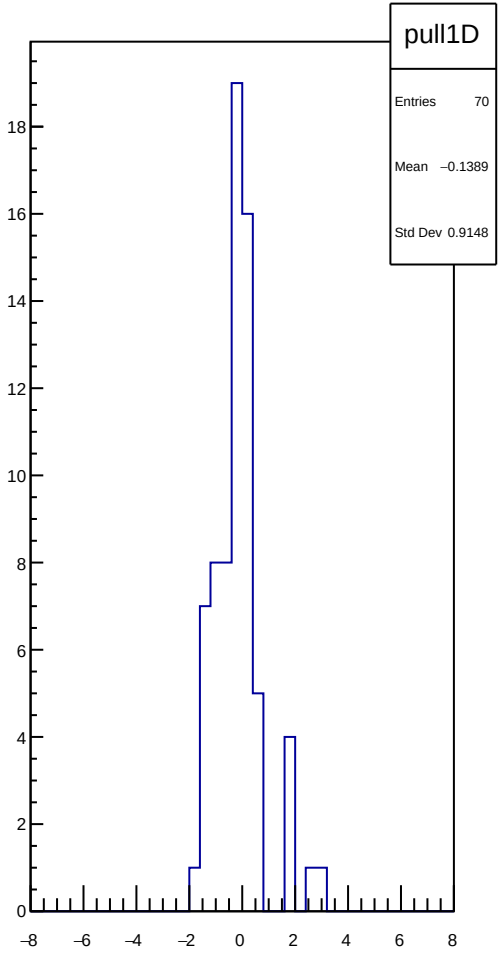

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1490 / 69
p0 −20.99 ± 0.6582
pull
Entries 70
Mean 135.5
Std Dev 0

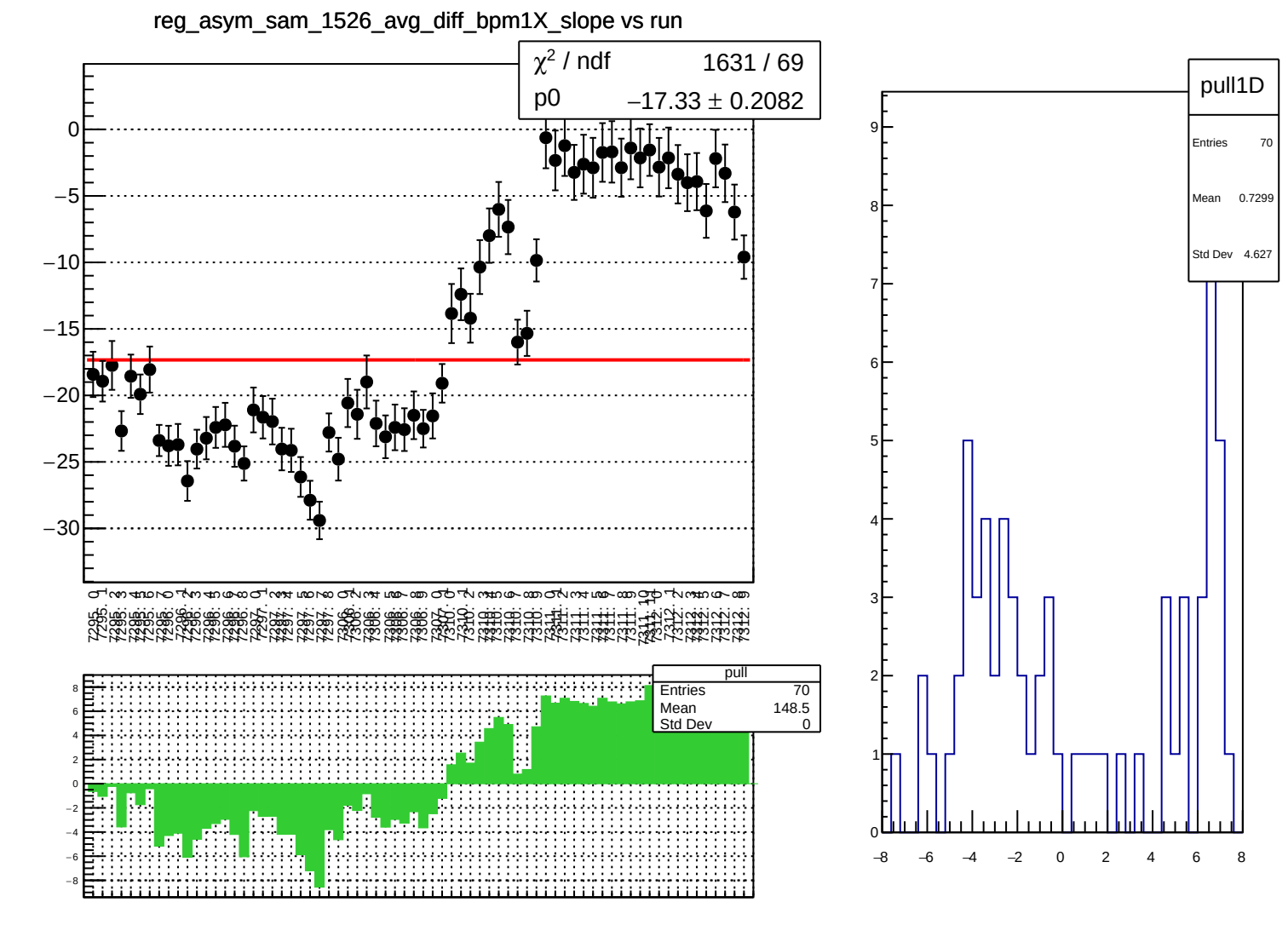

pull1D
Entries 70
Mean −0.7686
Std Dev 4.549

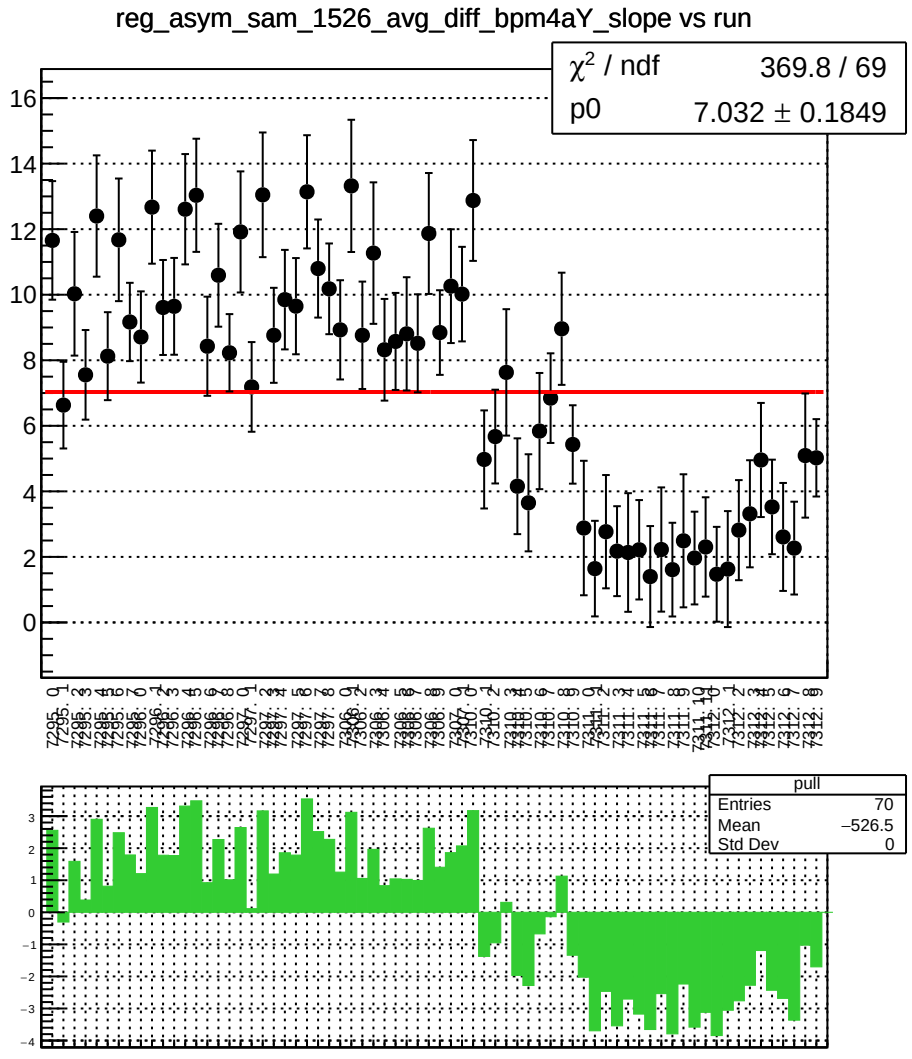

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 285.4 / 69
p0 45.29 ± 0.6388
pull
Entries 70
Mean 795
Std Dev 0

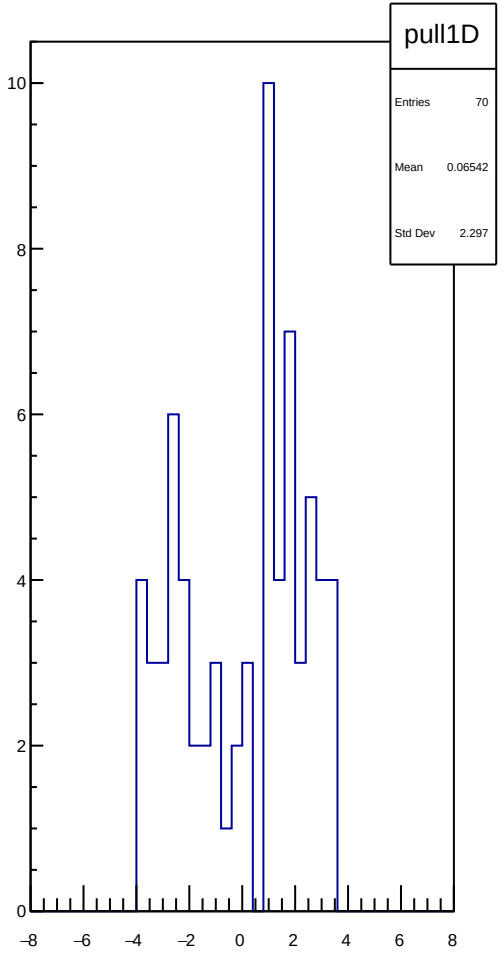

pull1D
Entries 70
Mean 0.04541
Std Dev 2.019

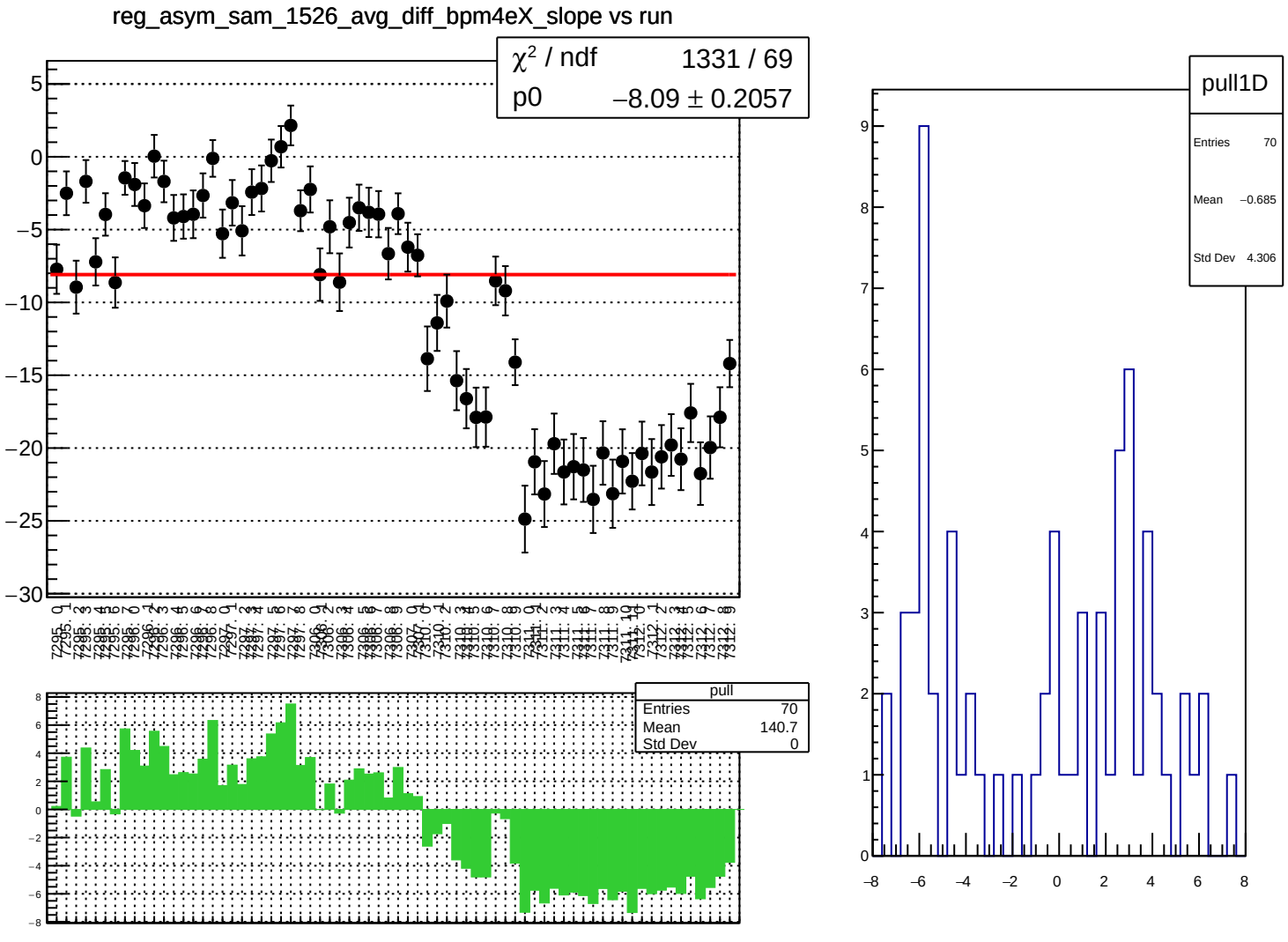

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 59.93 / 69
p0 −0.1119 ± 0.02635
pull
Entries 70
Mean 44.02
Std Dev 24.14

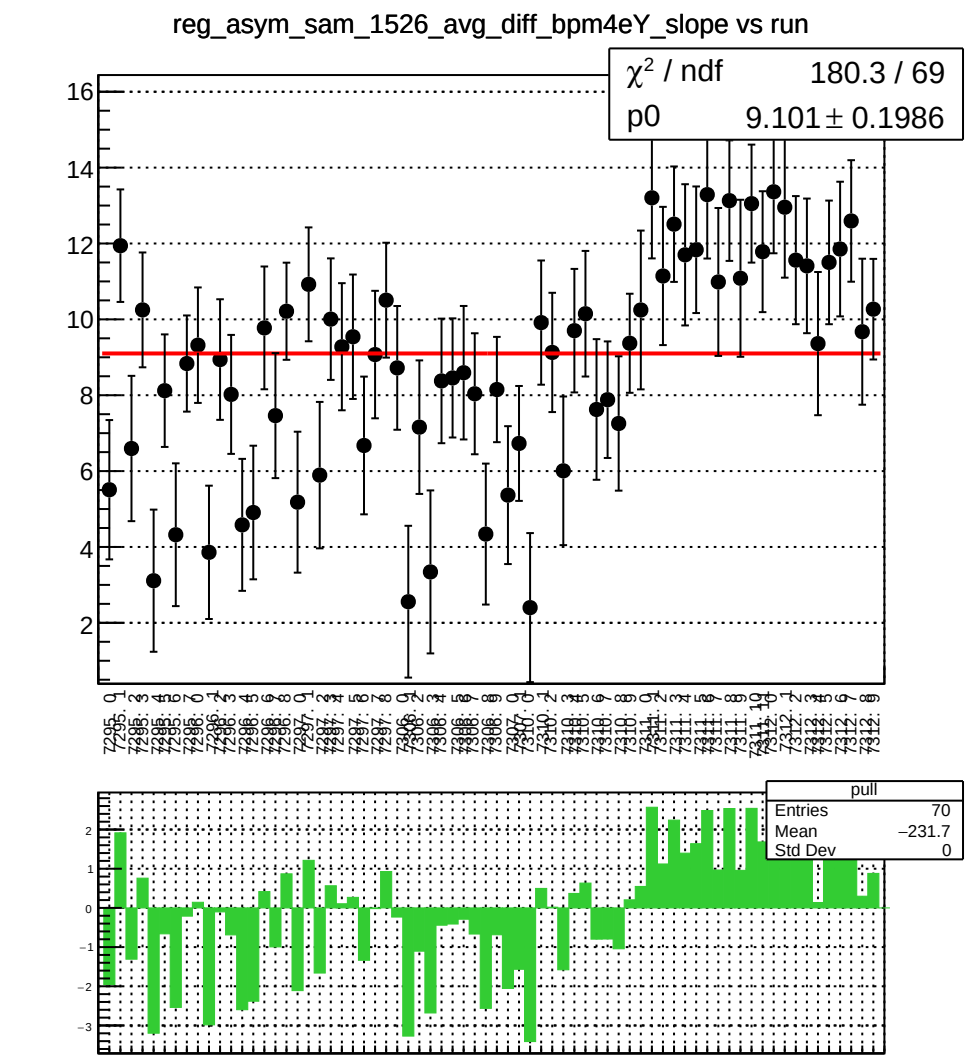

pull1D
Entries 70
Mean −0.1389
Std Dev 0.9148

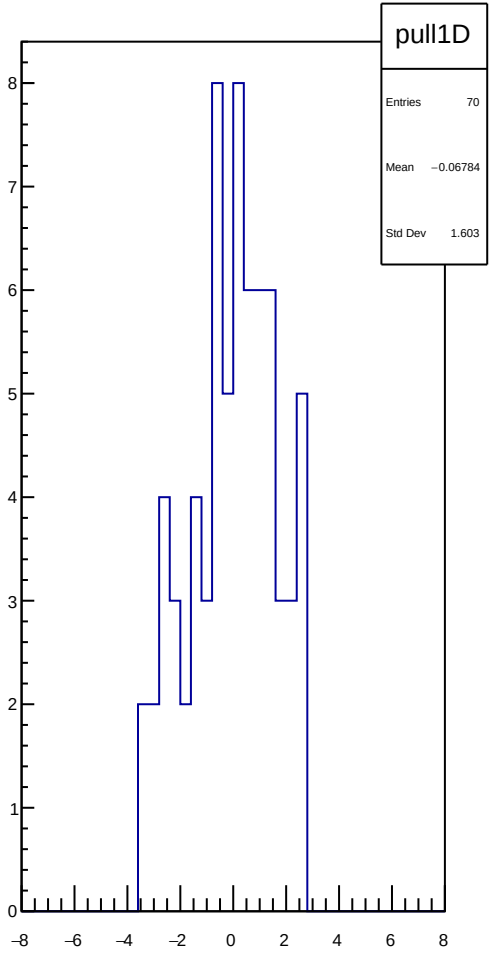

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1631 / 69
p0 −17.33 ± 0.2082
pull
Entries 70
Mean 148.5
Std Dev 0
pull1D
Entries 70
Mean 0.7299
Std Dev 4.627

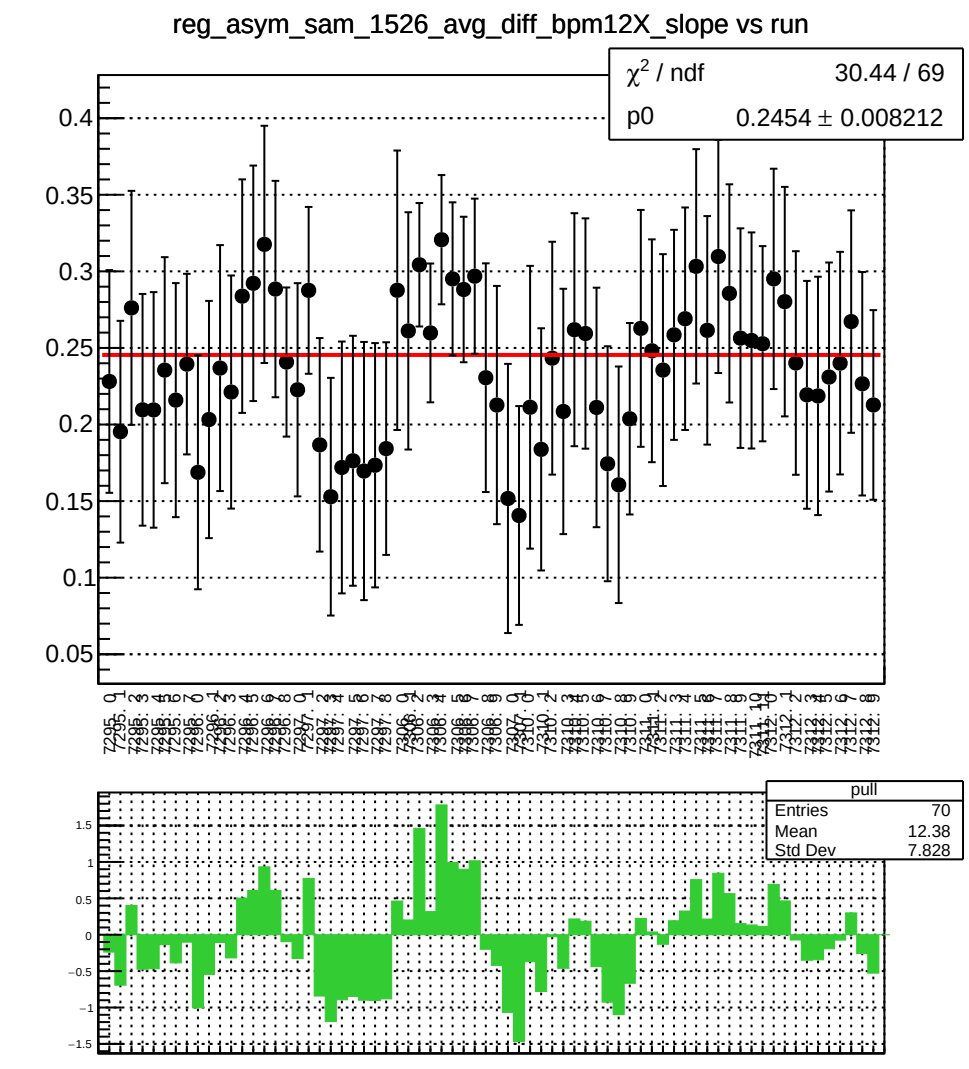

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 369.8 / 69
p0 7.032 ± 0.1849
pull
Entries 70
Mean −526.5
Std Dev 0

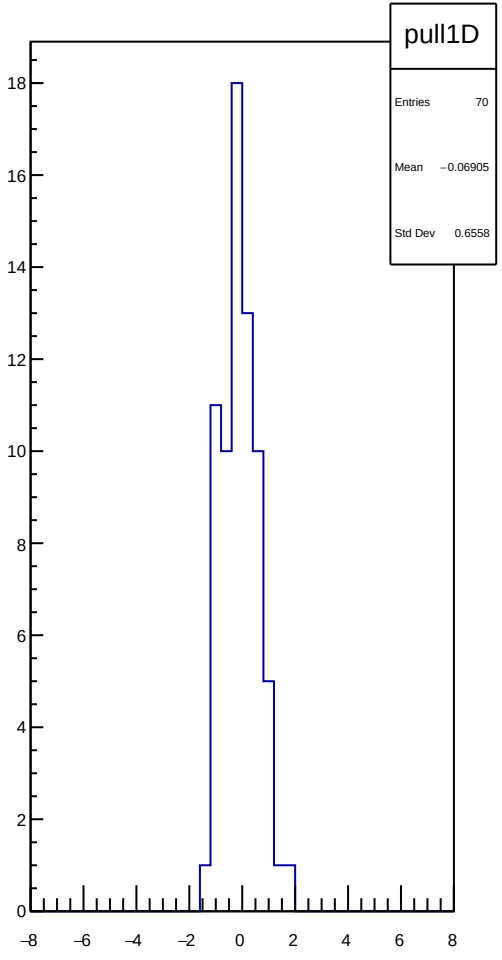

pull1D
Entries 70
Mean 0.06542
Std Dev 2.297

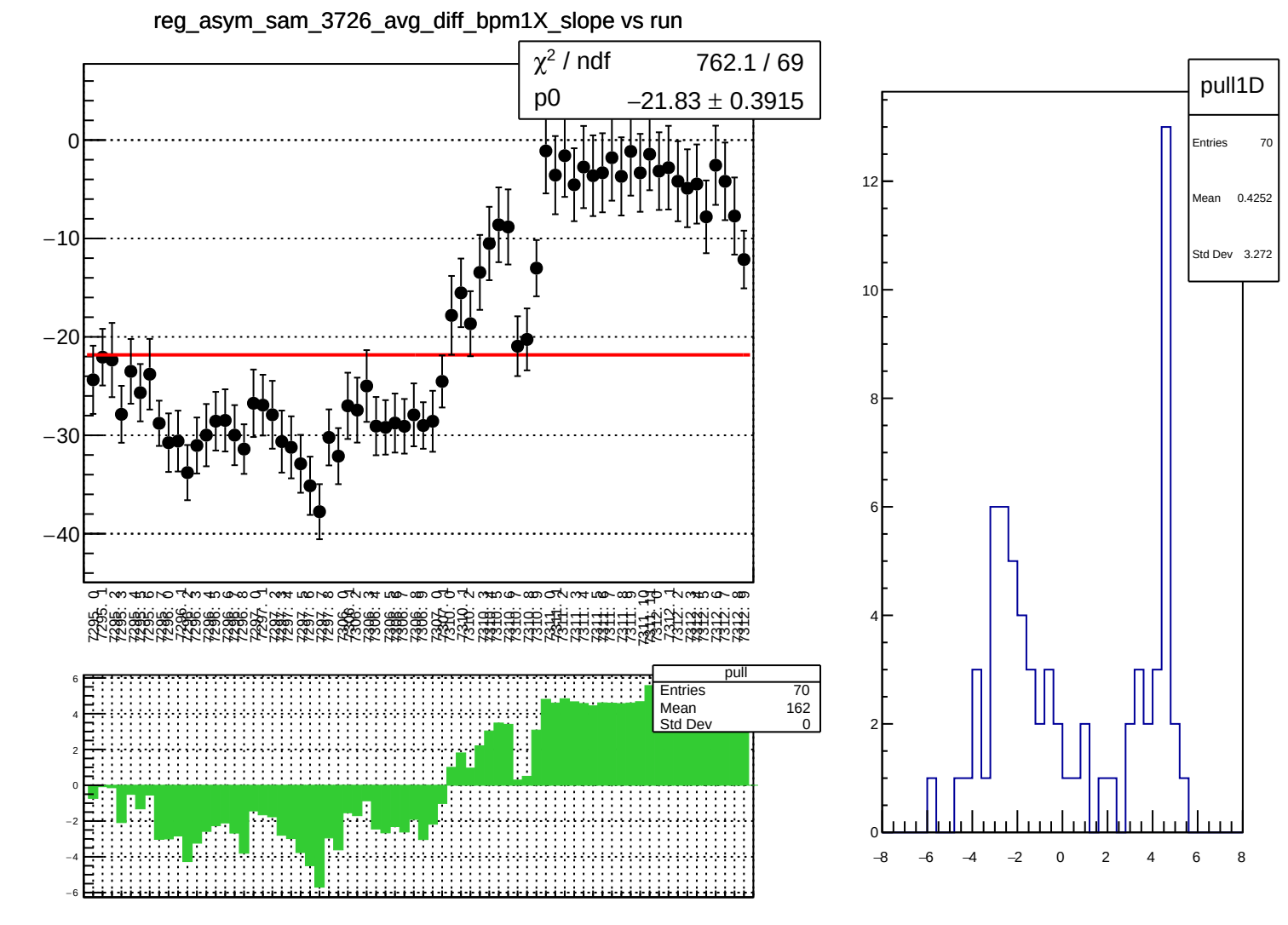

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 1331 / 69
p0 −8.09 ± 0.2057
pull
Entries 70
Mean 140.7
Std Dev 0
pull1D
Entries 70
Mean −0.685
Std Dev 4.306

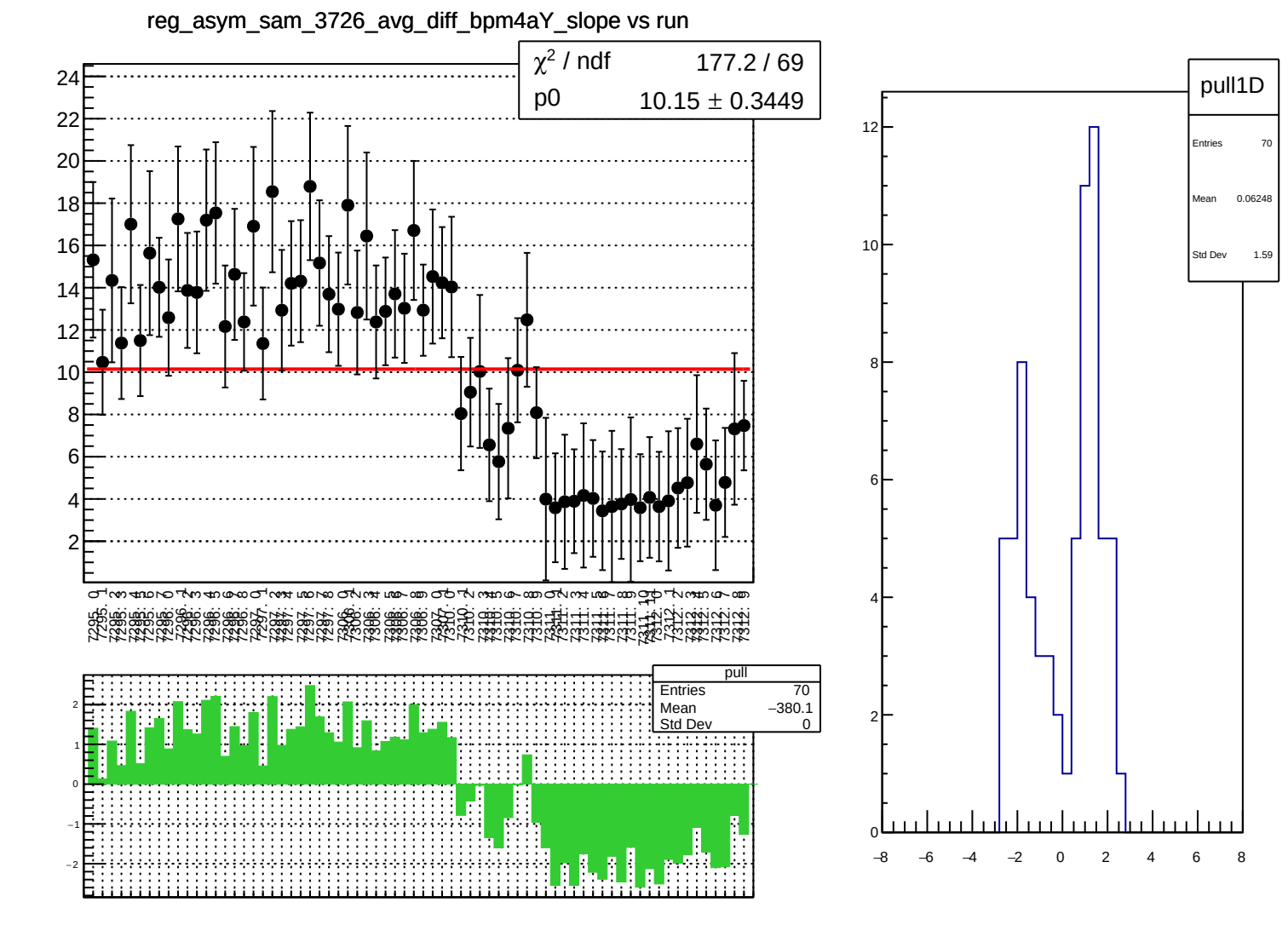

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 180.3 / 69
p0 9.101 ± 0.1986
pull
Entries 70
Mean −231.7
Std Dev 0

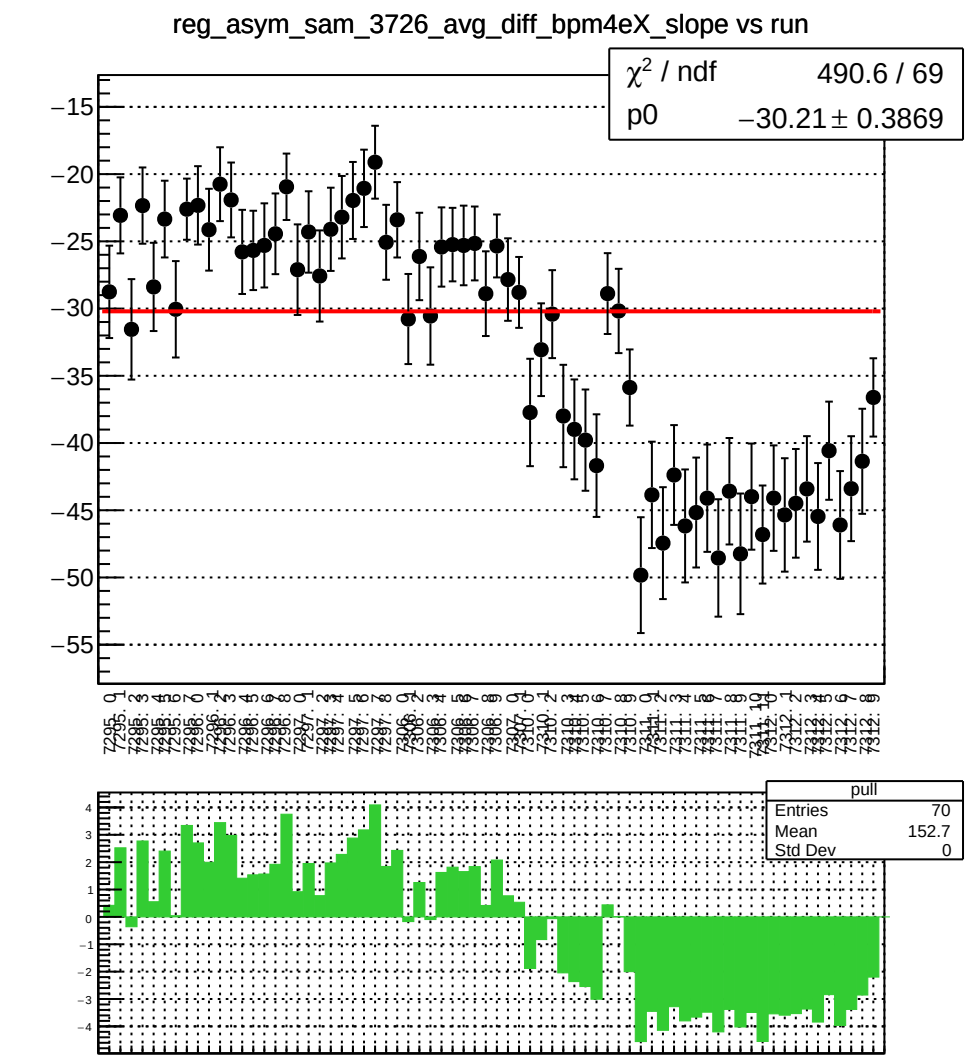

pull1D
Entries 70
Mean −0.06784
Std Dev 1.603

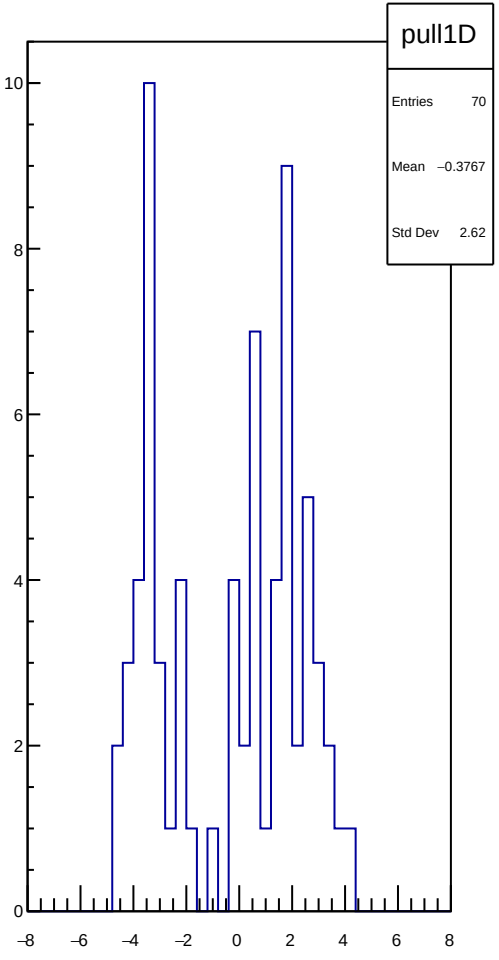

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 30.44 / 69
p0 0.2454 ± 0.008212
pull
Entries 70
Mean 12.38
Std Dev 7.828

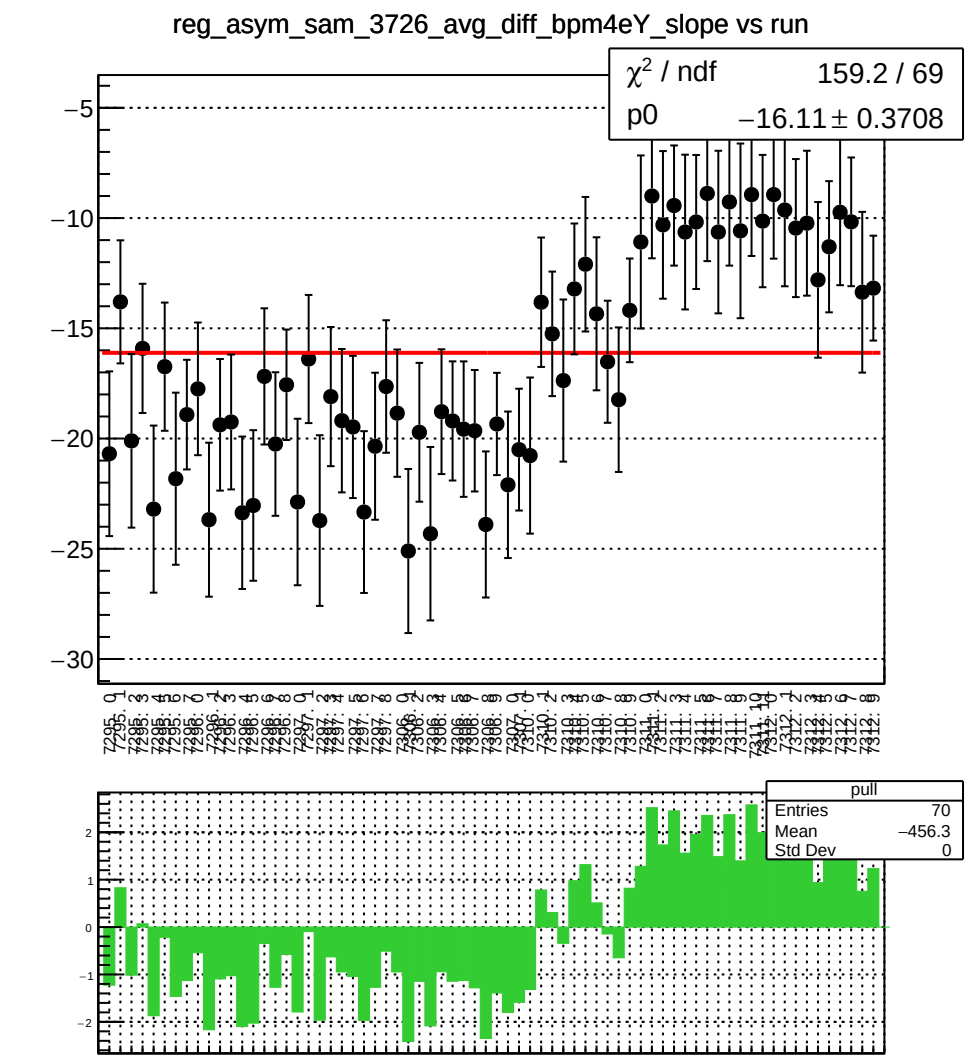

pull1D
Entries 70
Mean −0.06905
Std Dev 0.6558

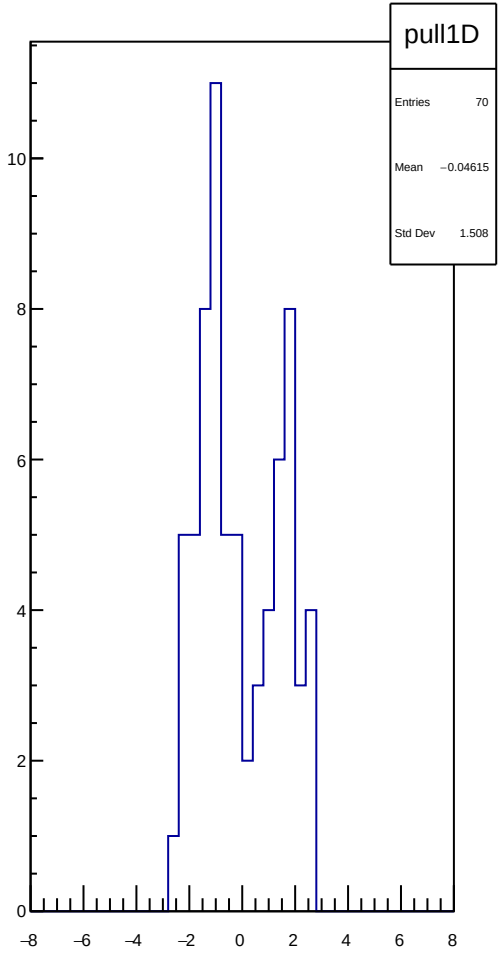

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 762.1 / 69
p0 −21.83 ± 0.3915
pull
Entries 70
Mean 162
Std Dev 0
pull1D
Entries 70
Mean 0.4252
Std Dev 3.272

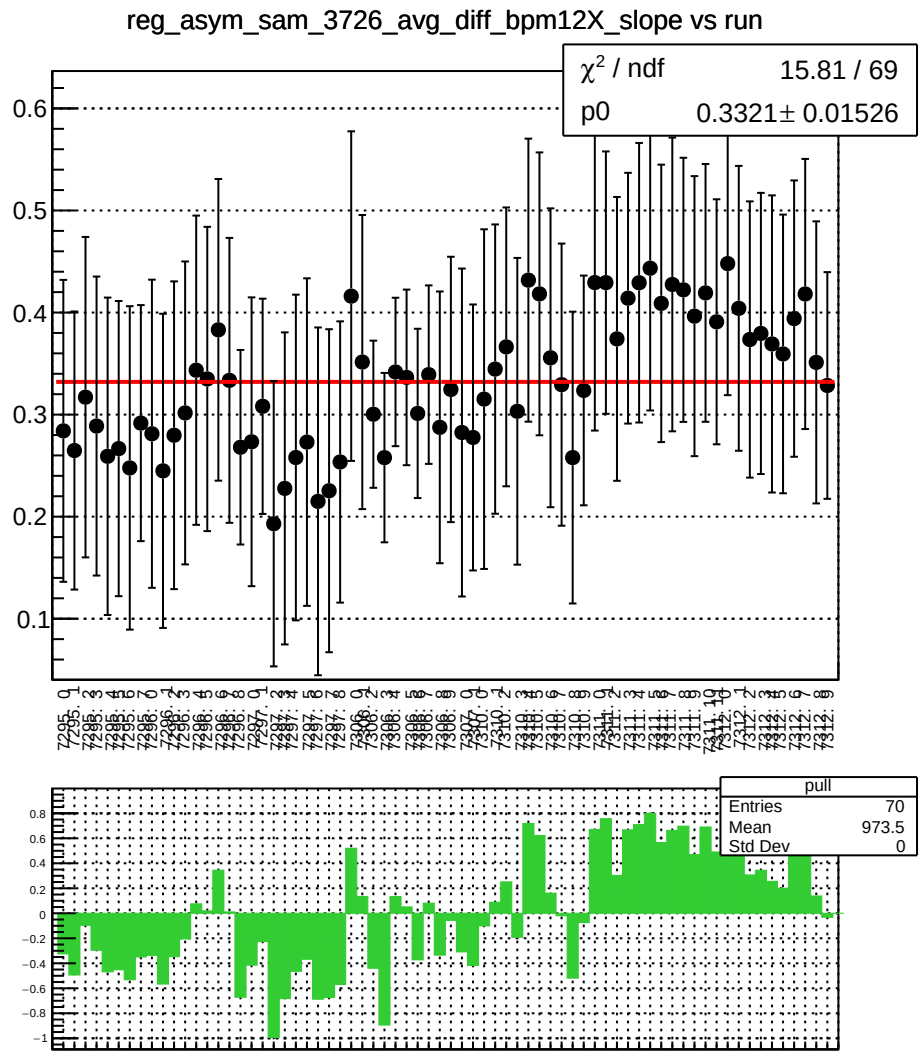

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 177.2 / 69
p0 10.15 ± 0.3449
pull
Entries 70
Mean −380.1
Std Dev 0
pull1D
Entries 70
Mean 0.06248
Std Dev 1.59

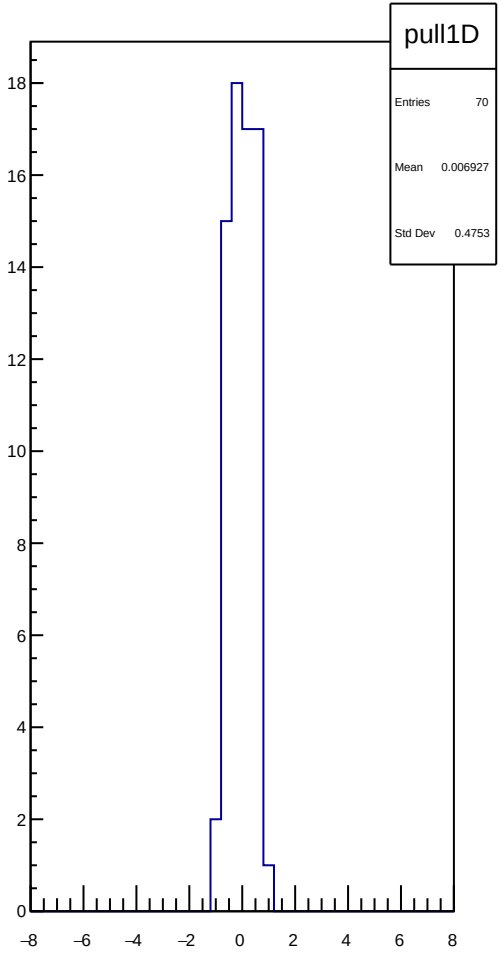

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 490.6 / 69
p0 −30.21 ± 0.3869
pull
Entries 70
Mean 152.7
Std Dev 0

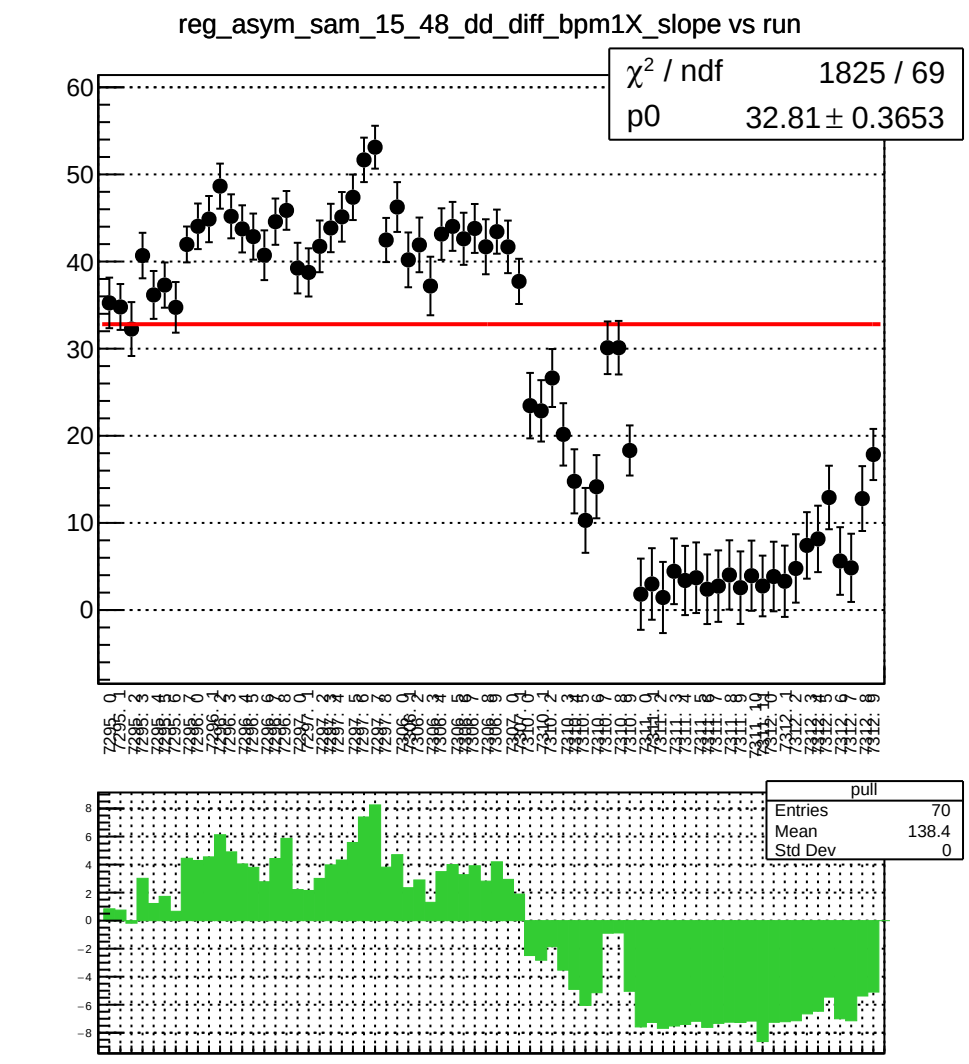

pull1D
Entries 70
Mean −0.3767
Std Dev 2.62

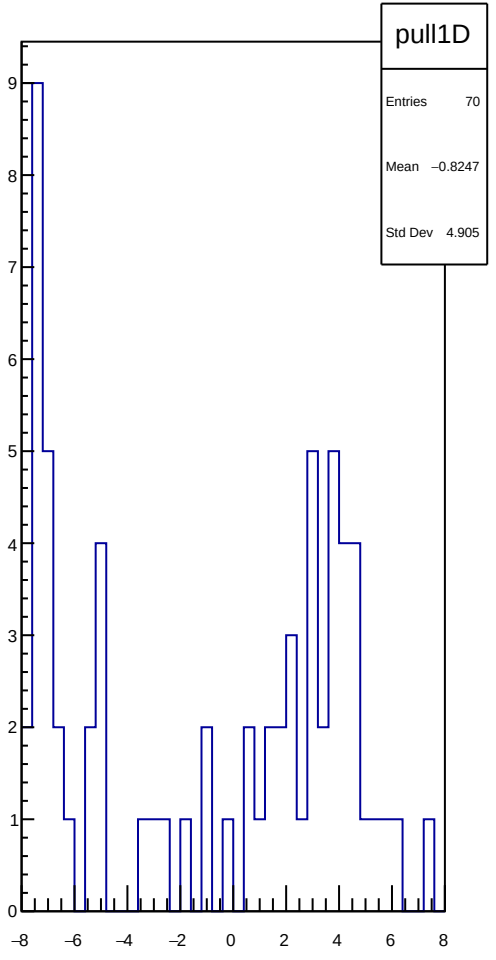

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 159.2 / 69
p0 −16.11 ± 0.3708
pull
Entries 70
Mean −456.3
Std Dev 0

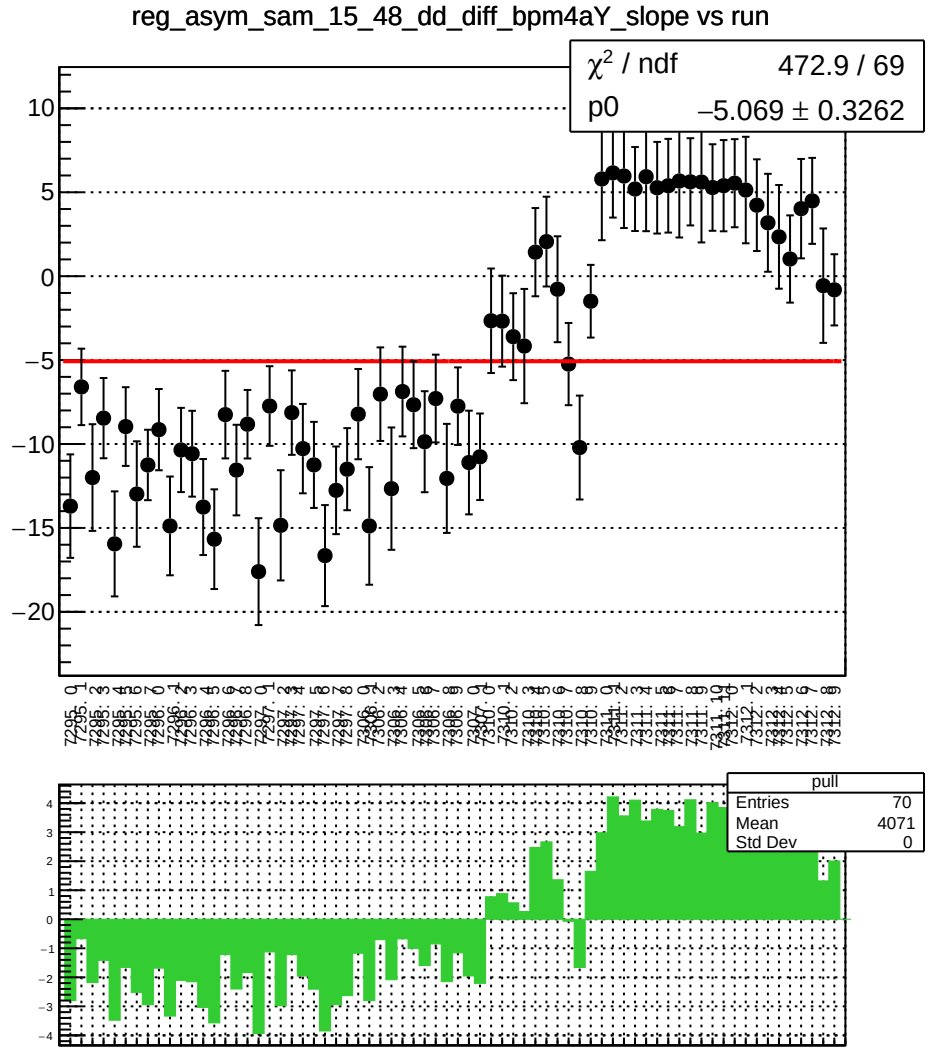

pull1D
Entries 70
Mean −0.04615
Std Dev 1.508

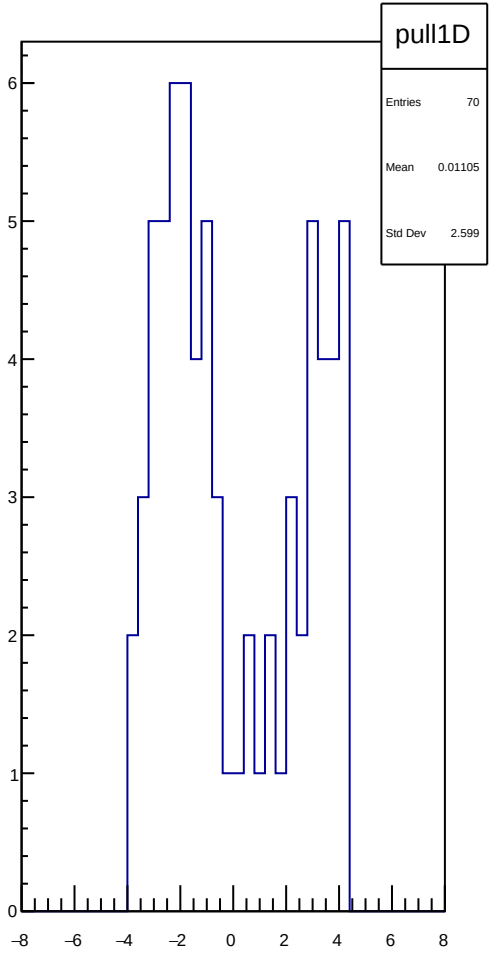

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 15.81 / 69
p0 0.3321± 0.01526
pull
Entries 70
Mean 973.5
Std Dev 0

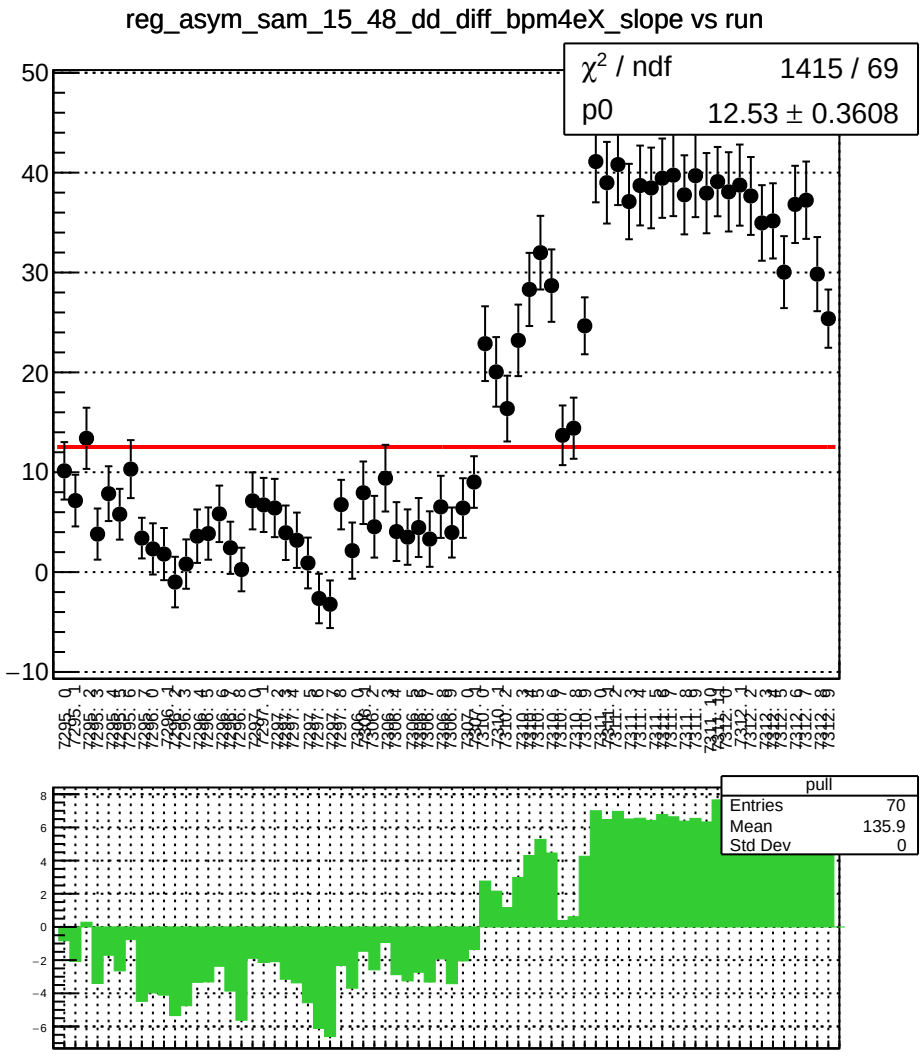

pull1D
Entries 70
Mean 0.006927
Std Dev 0.4753

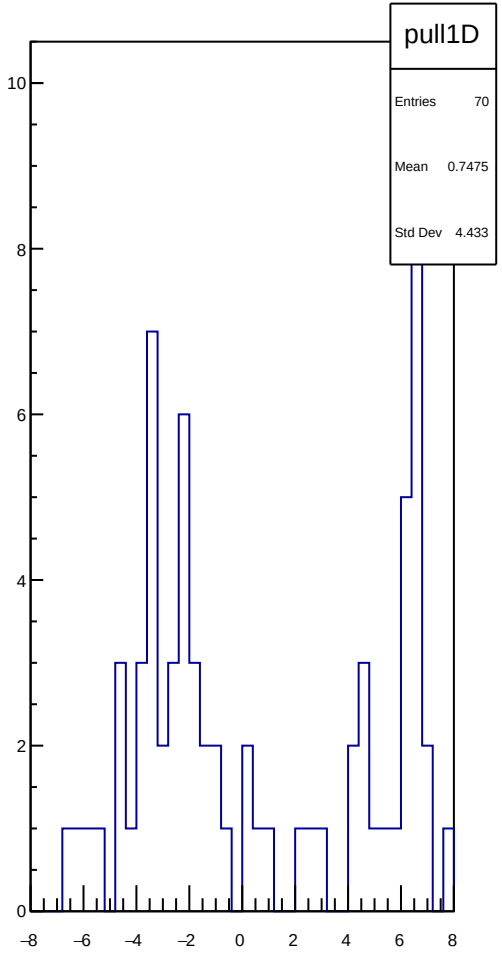

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1825 / 69
p0 32.81 ± 0.3653
pull
Entries 70
Mean 138.4
Std Dev 0

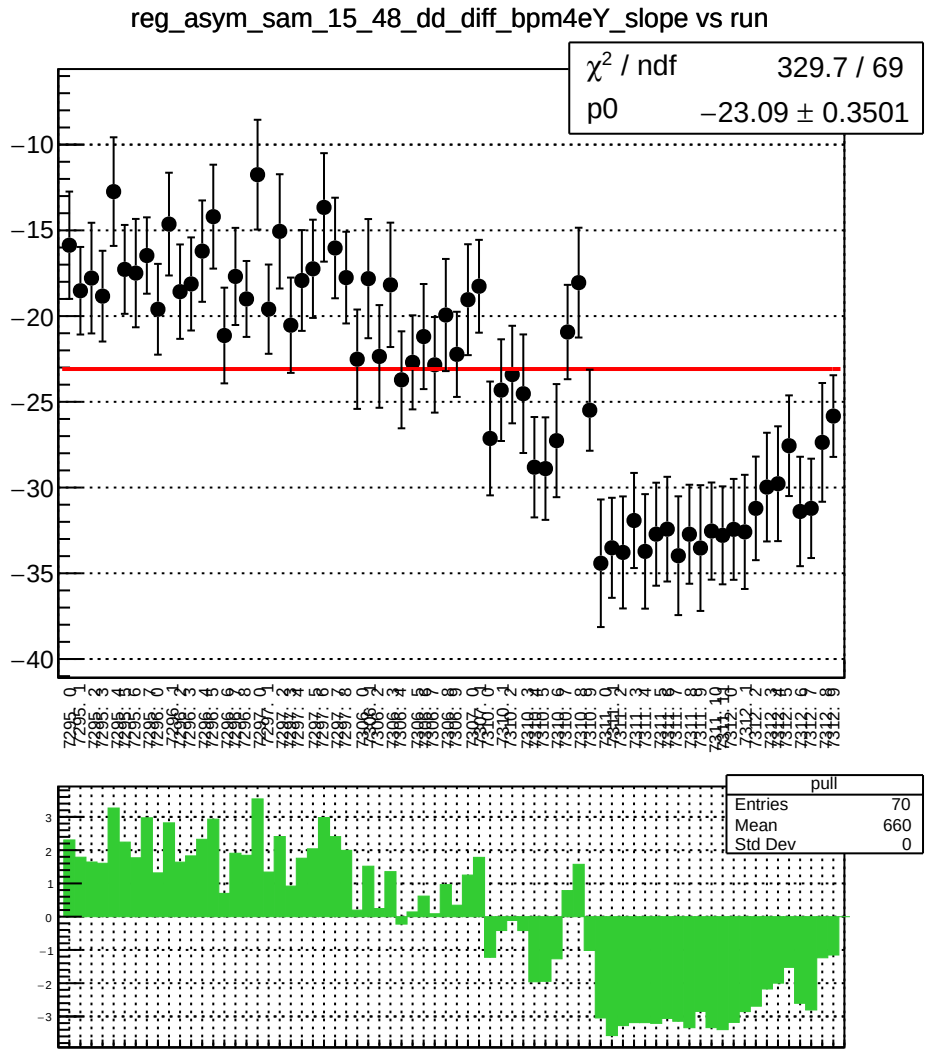

pull1D
Entries 70
Mean −0.8247
Std Dev 4.905

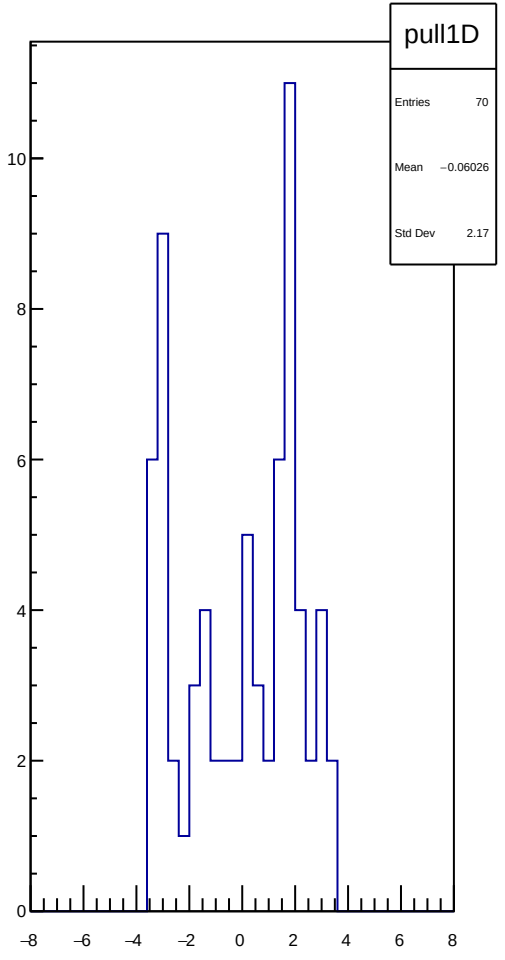

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 472.9 / 69
p0 −5.069 ± 0.3262
pull
Entries 70
Mean 4071
Std Dev 0

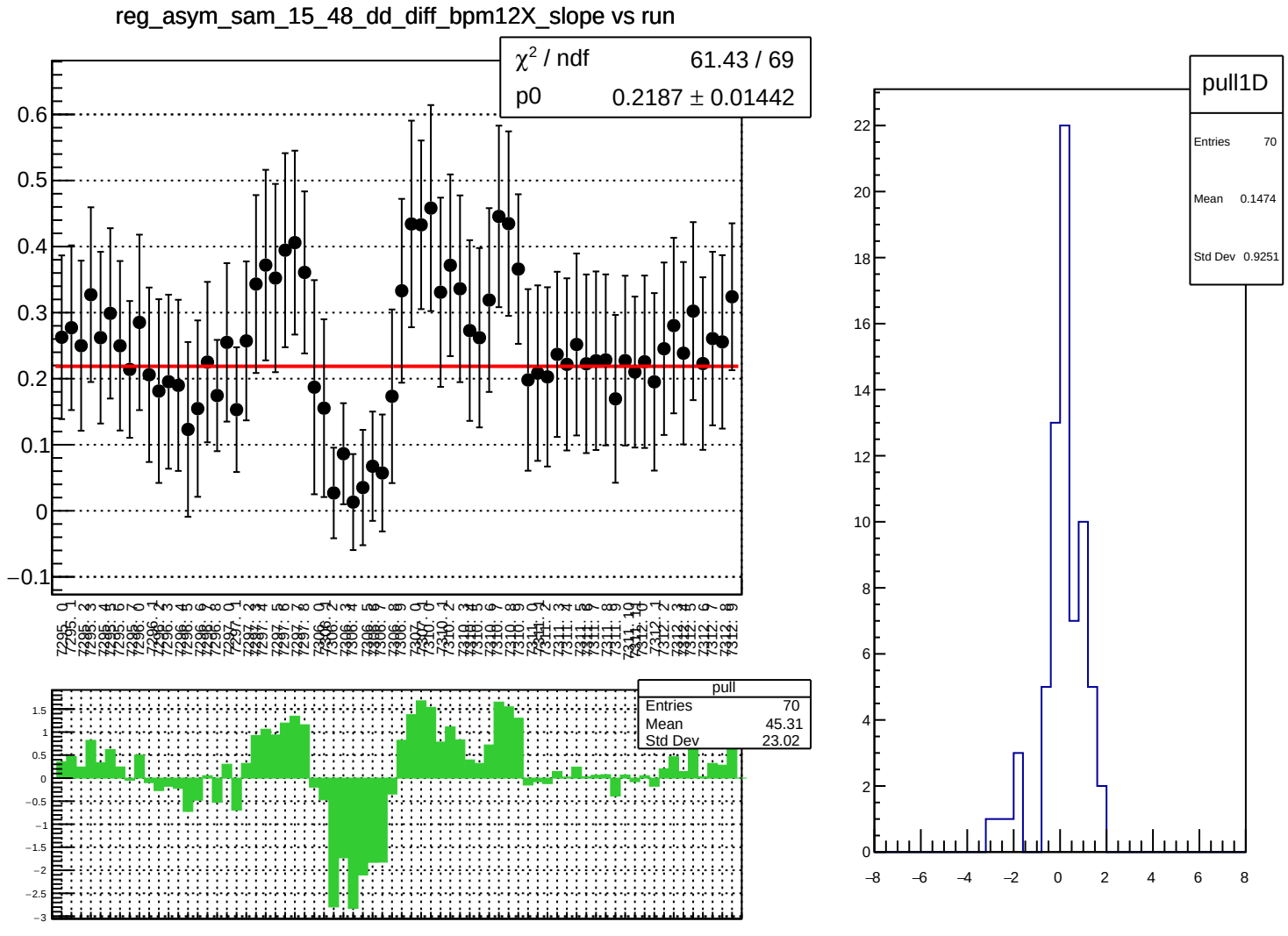

pull1D
Entries 70
Mean 0.01105
Std Dev 2.599

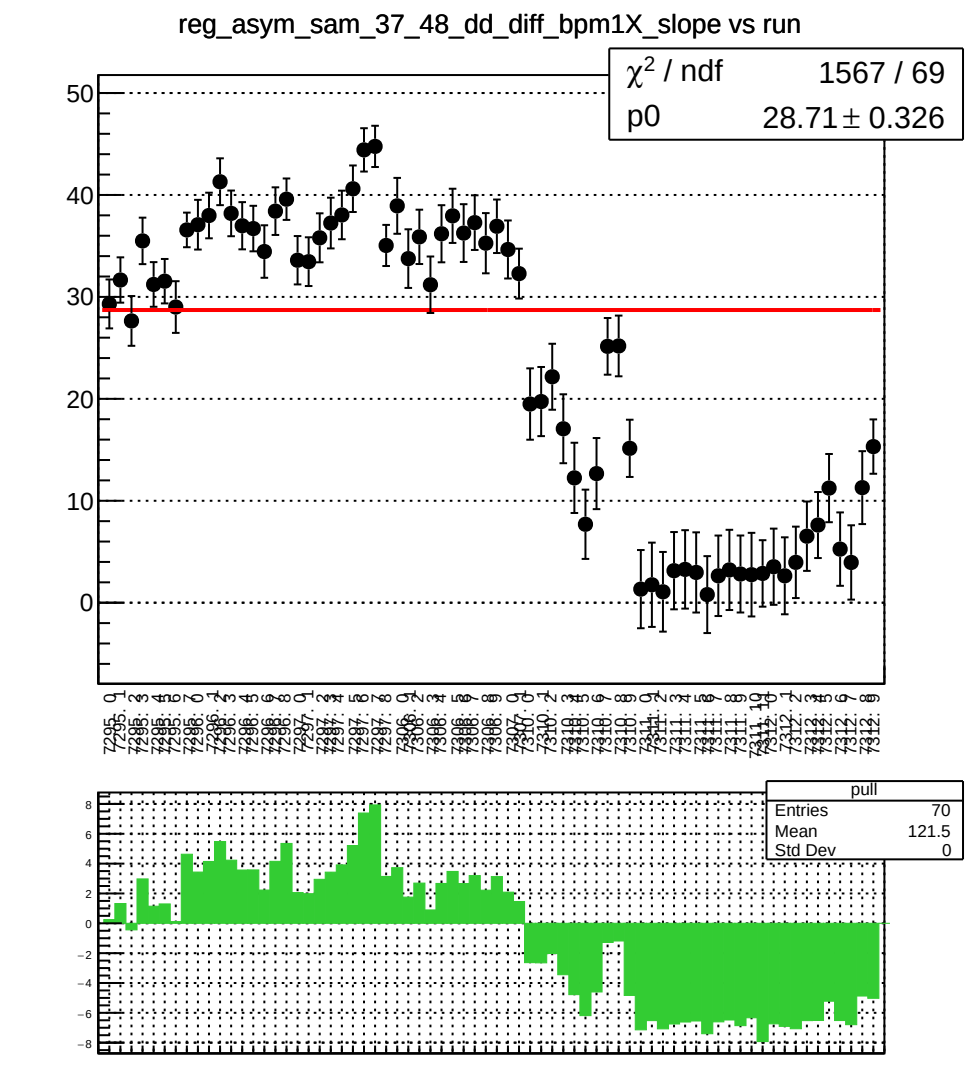

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1415 / 69
p0 12.53 ± 0.3608
pull
Entries 70
Mean 135.9
Std Dev 0

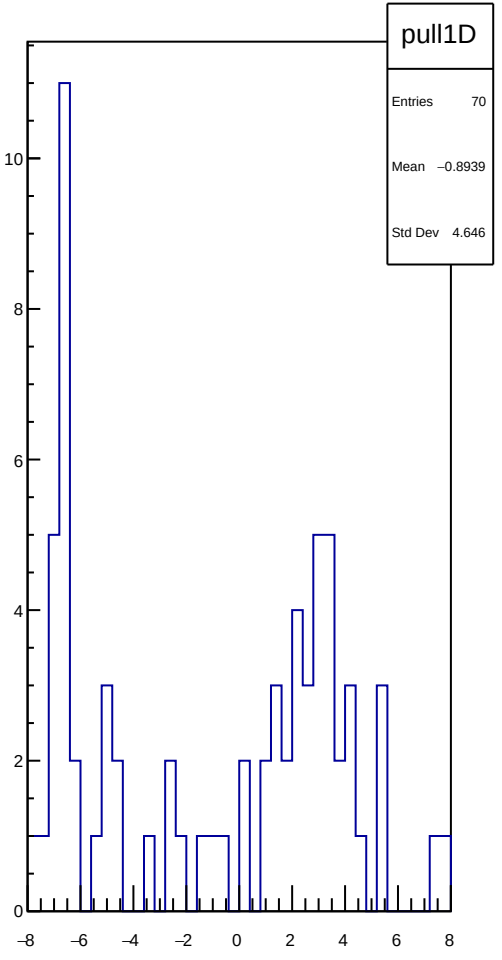

pull1D
Entries 70
Mean 0.7475
Std Dev 4.433

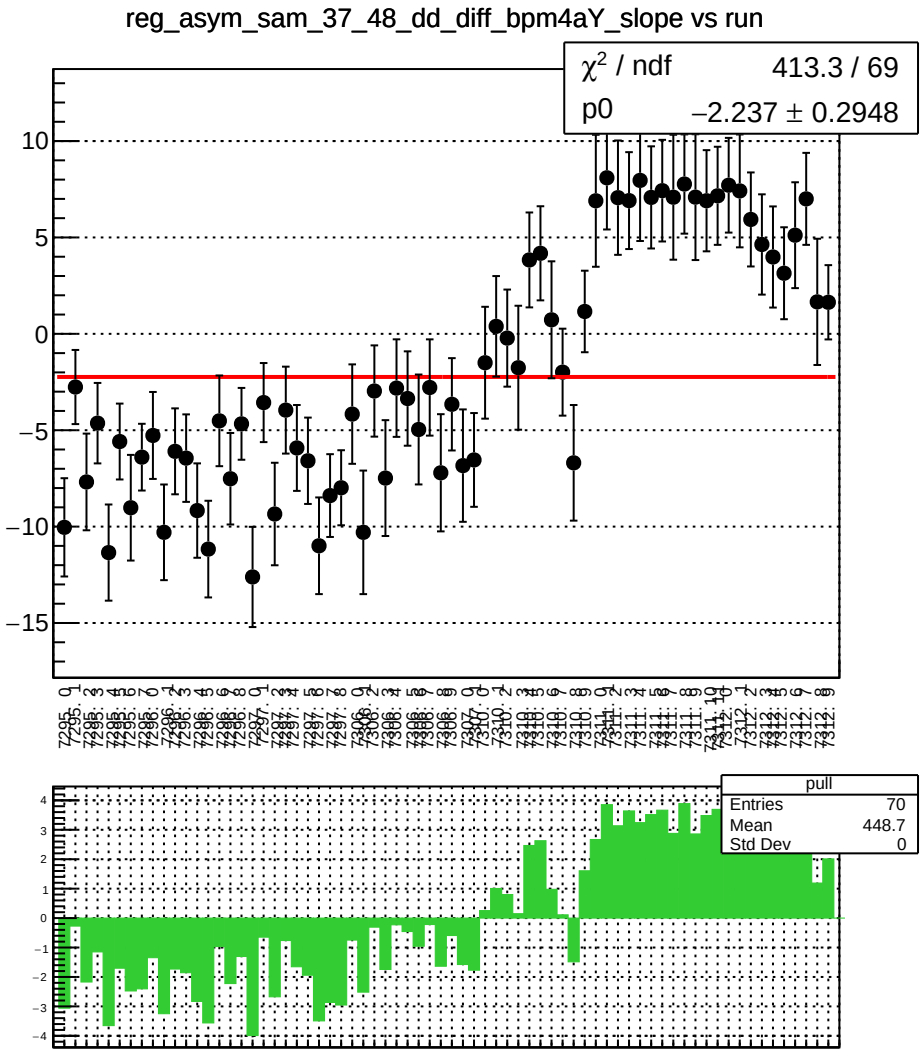

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 329.7 / 69
p0 −23.09 ± 0.3501
pull
Entries 70
Mean 660
Std Dev 0

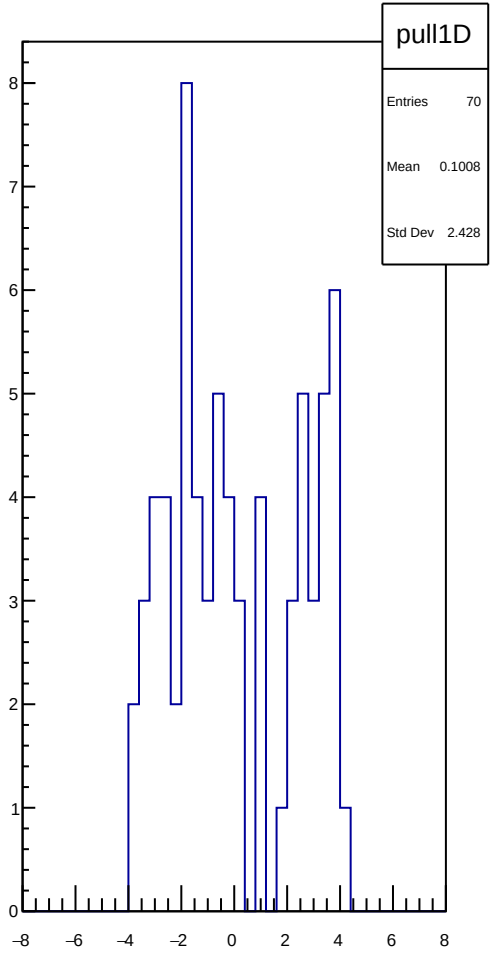

pull1D
Entries 70
Mean −0.06026
Std Dev 2.17

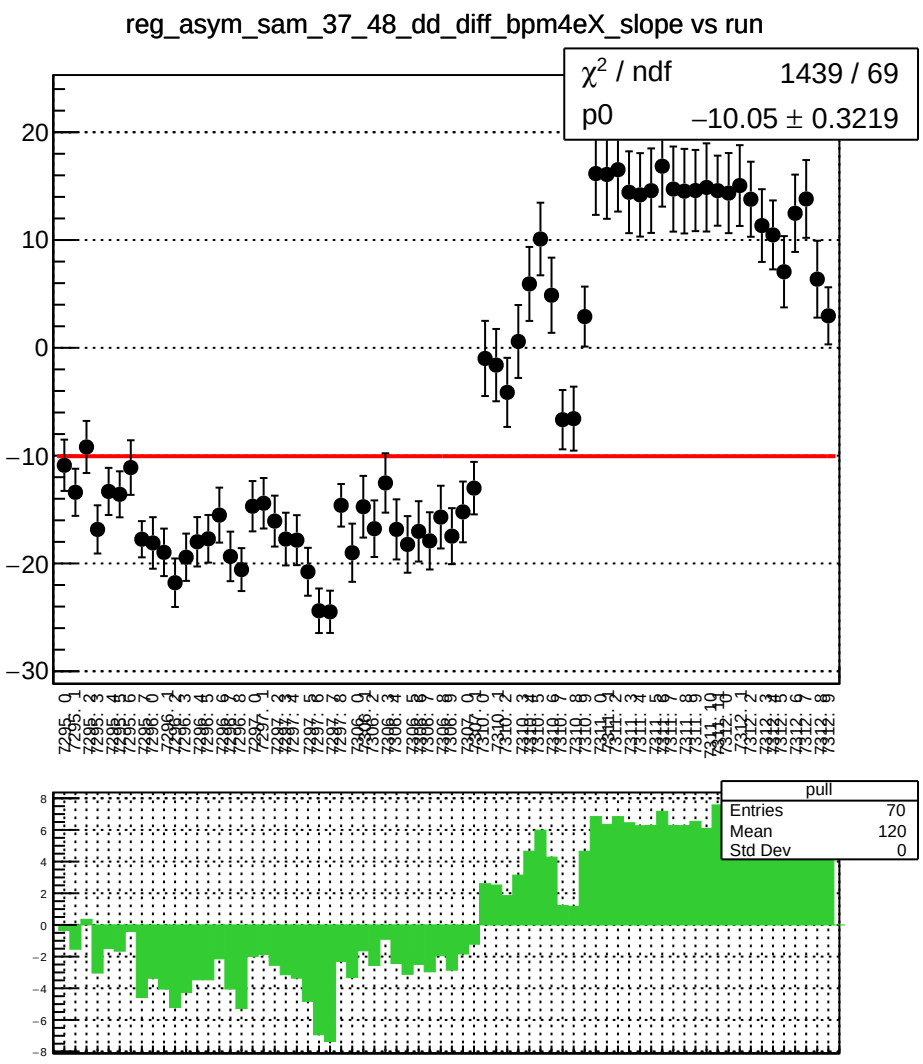

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 61.43 / 69
p0 0.2187 ± 0.01442
pull
Entries 70
Mean 45.31
Std Dev 23.02
pull1D
Entries 70
Mean 0.1474
Std Dev 0.9251

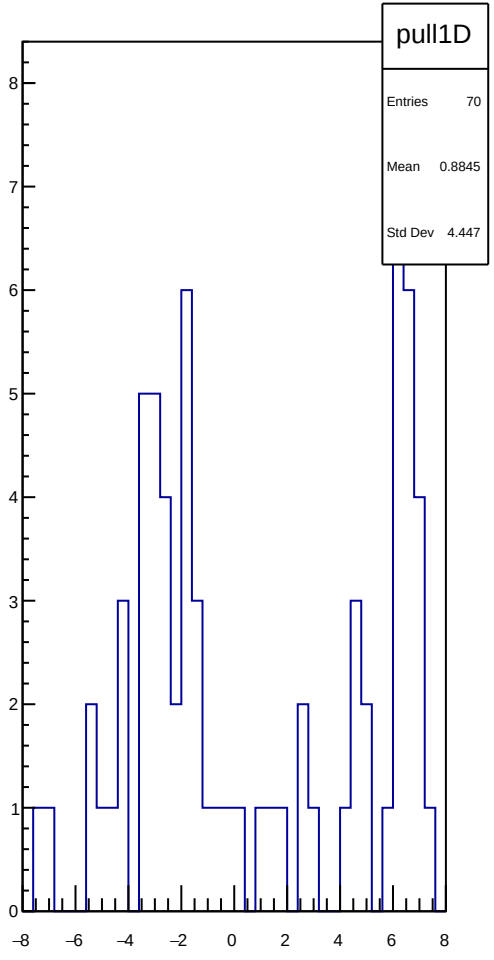

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1567 / 69
p0 28.71 ± 0.326
pull
Entries 70
Mean 121.5
Std Dev 0

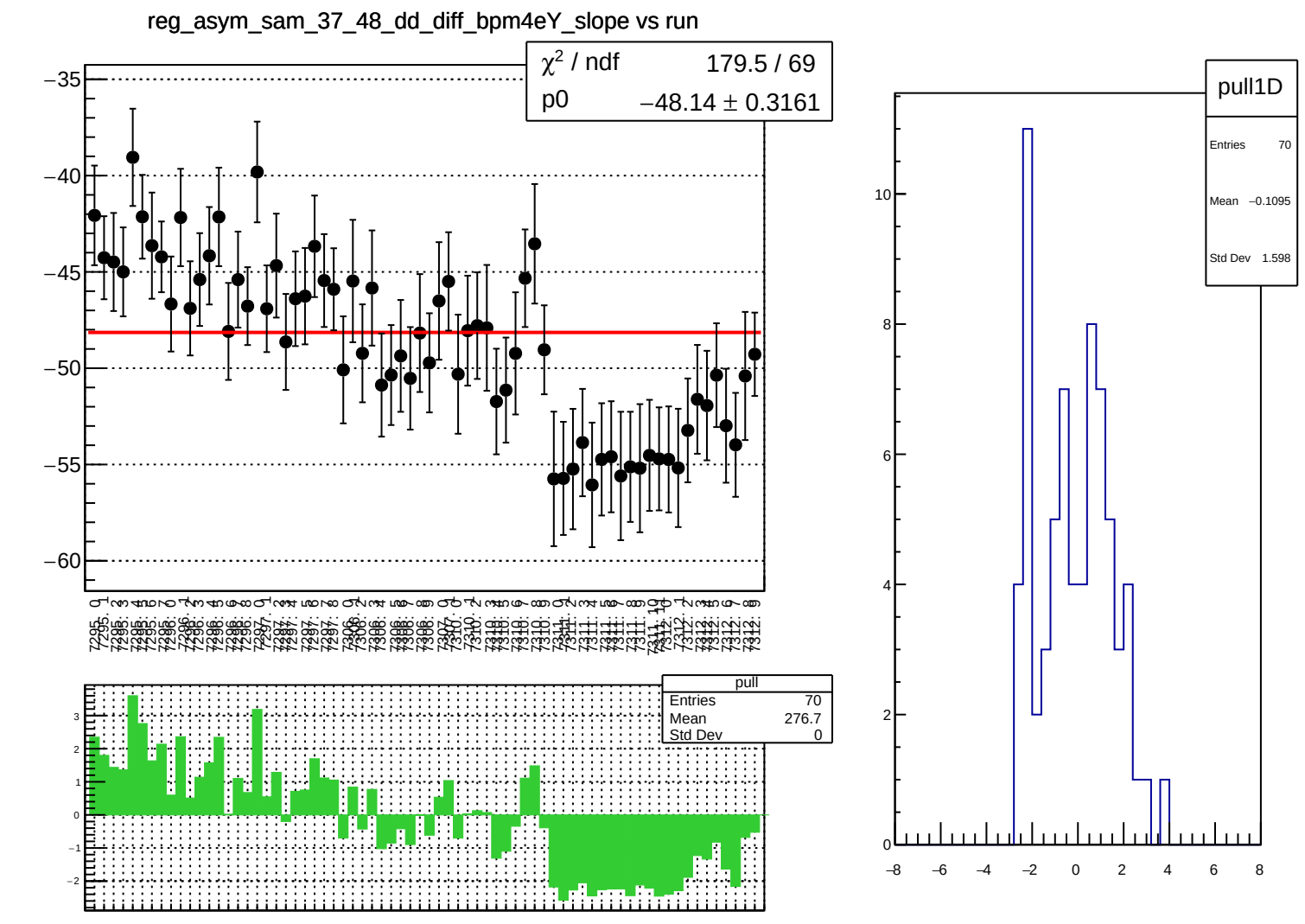

pull1D
Entries 70
Mean −0.8939
Std Dev 4.646

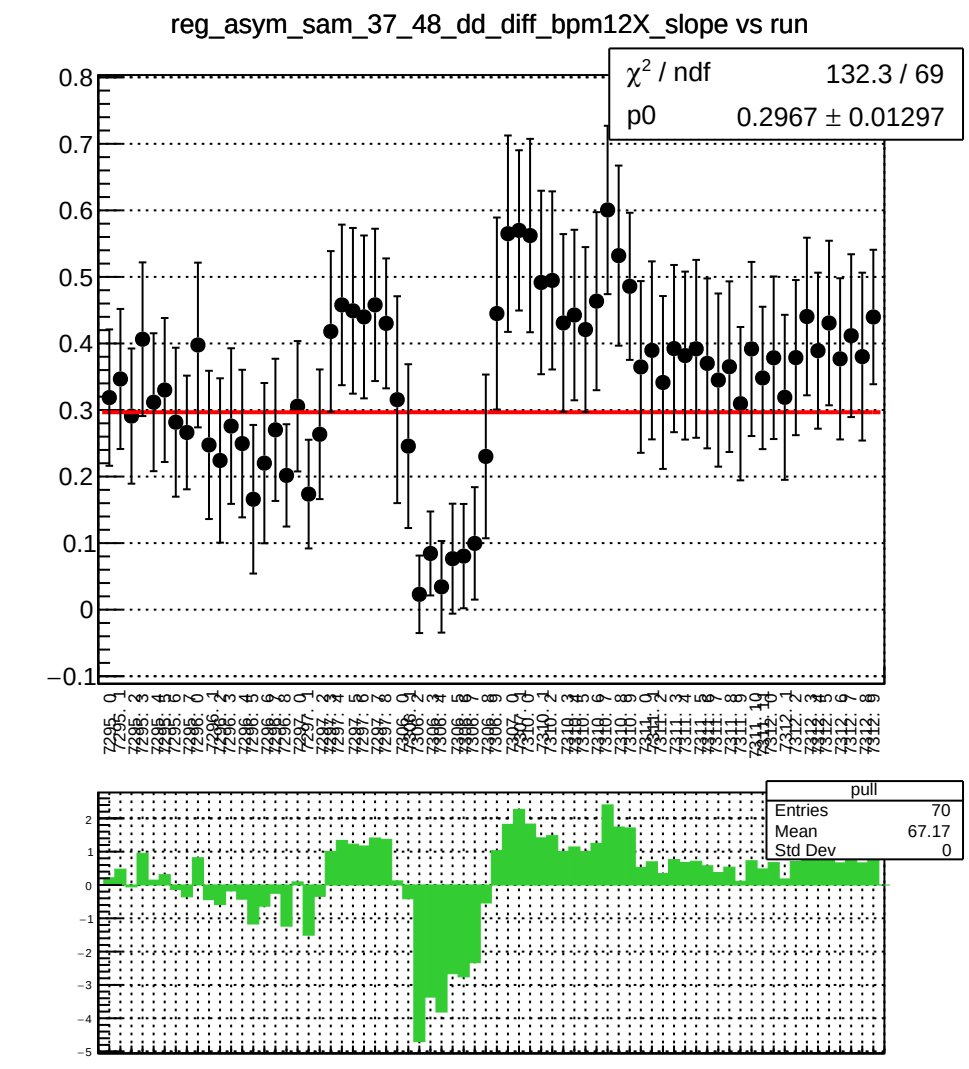

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 413.3 / 69
p0 −2.237 ± 0.2948
pull
Entries 70
Mean 448.7
Std Dev 0

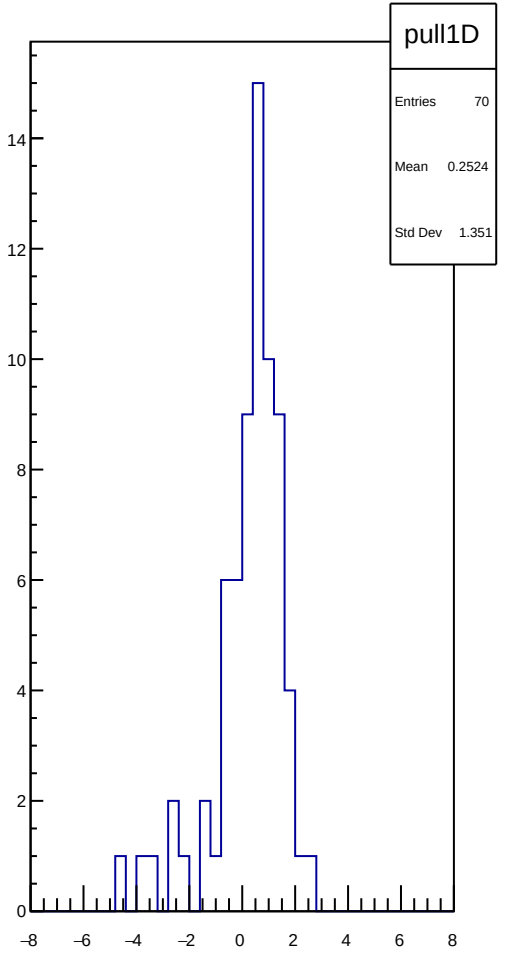

pull1D
Entries 70
Mean 0.1008
Std Dev 2.428

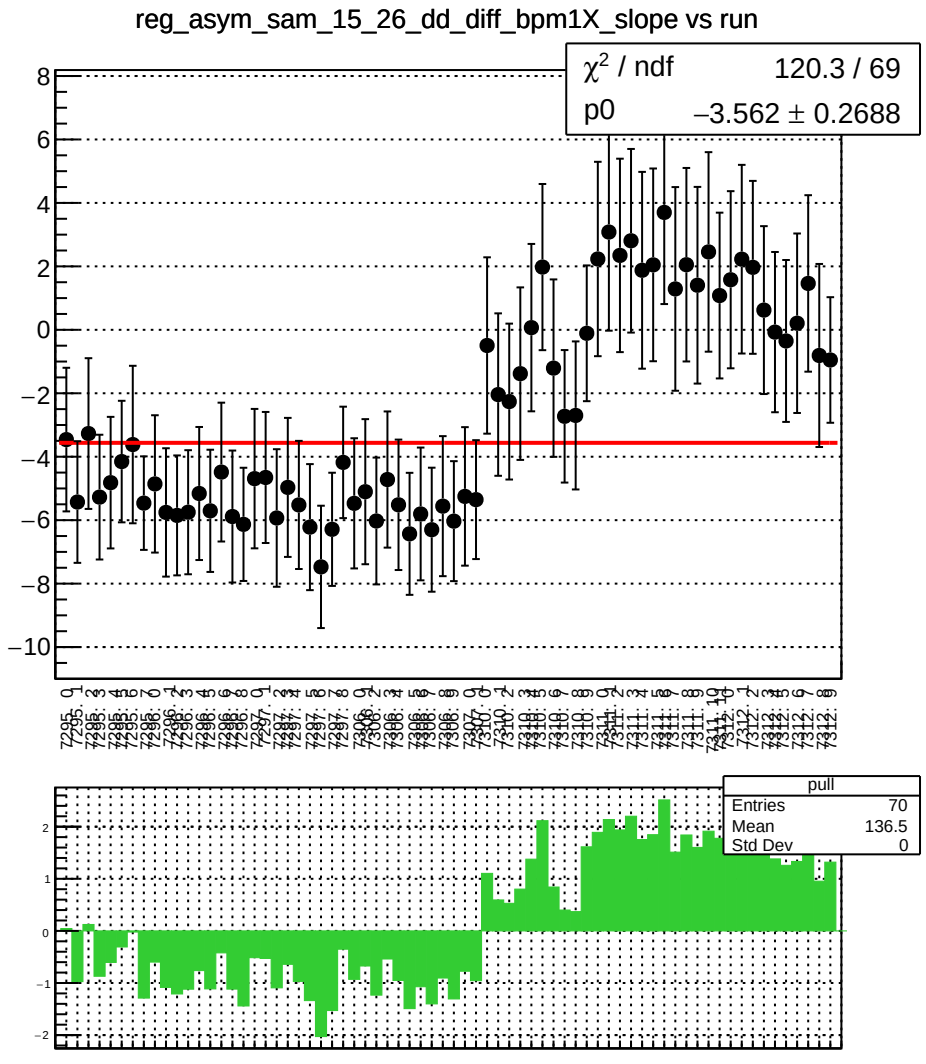

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1439 / 69
p0 −10.05 ± 0.3219
pull
Entries 70
Mean 120
Std Dev 0

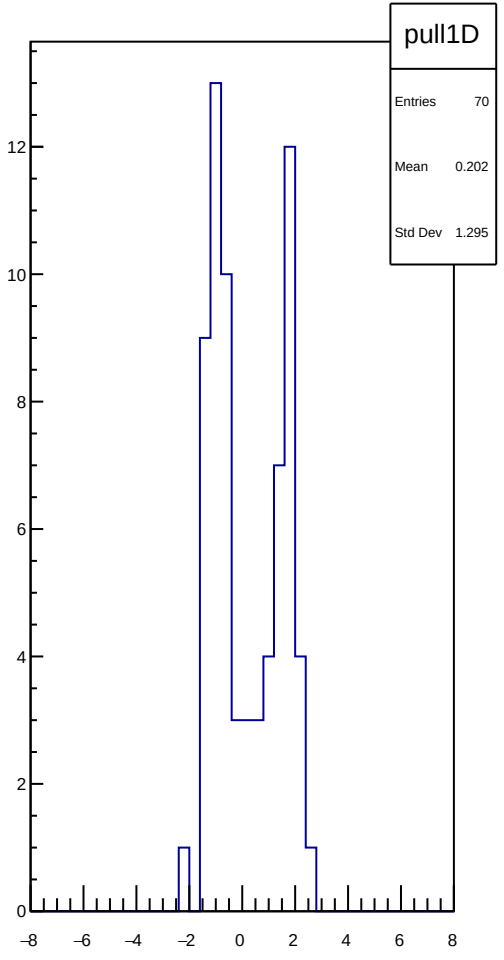

pull1D
Entries 70
Mean 0.8845
Std Dev 4.447

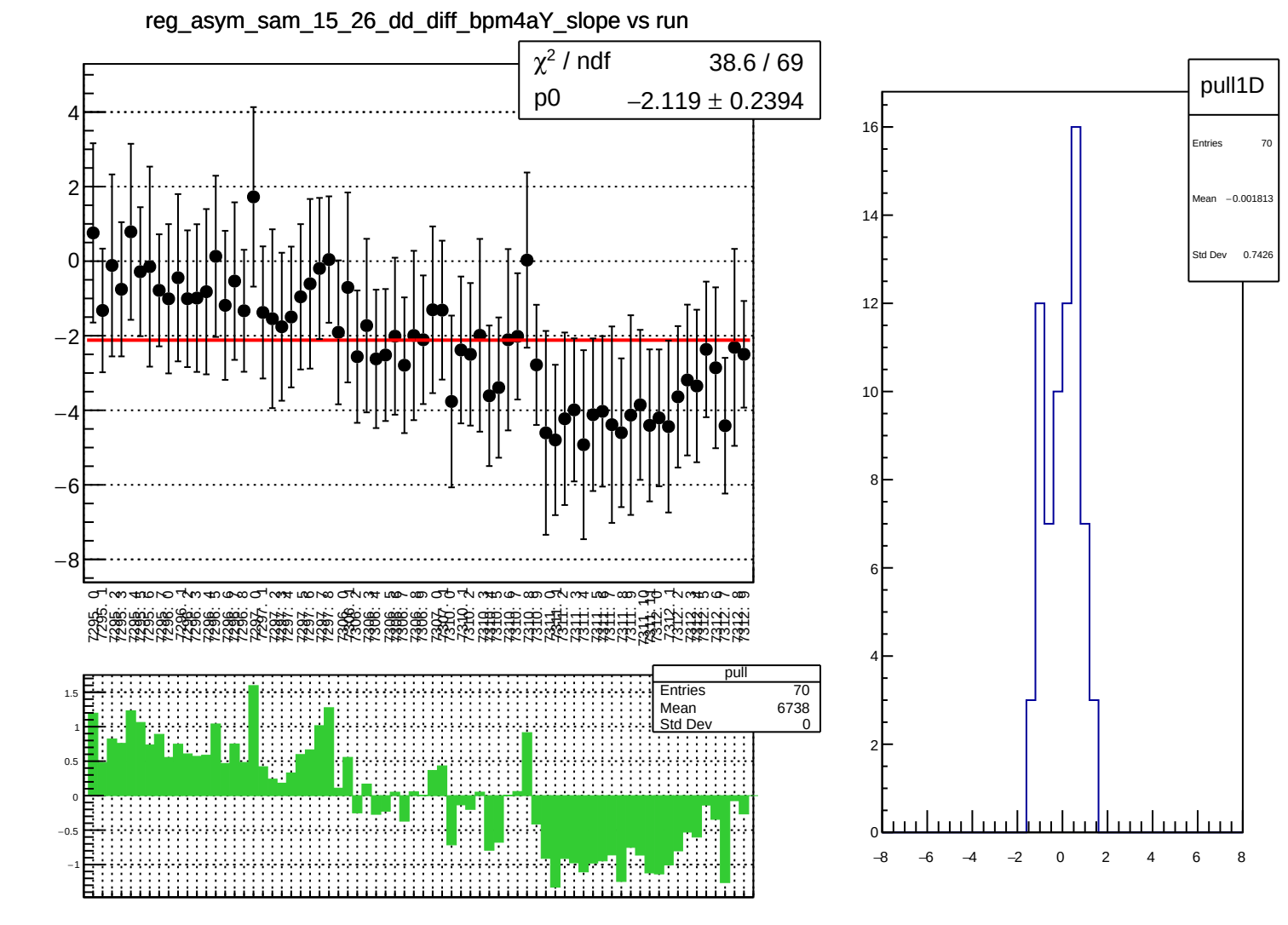

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 179.5 / 69
p0 −48.14 ± 0.3161
pull
Entries 70
Mean 276.7
Std Dev 0
pull1D
Entries 70
Mean −0.1095
Std Dev 1.598

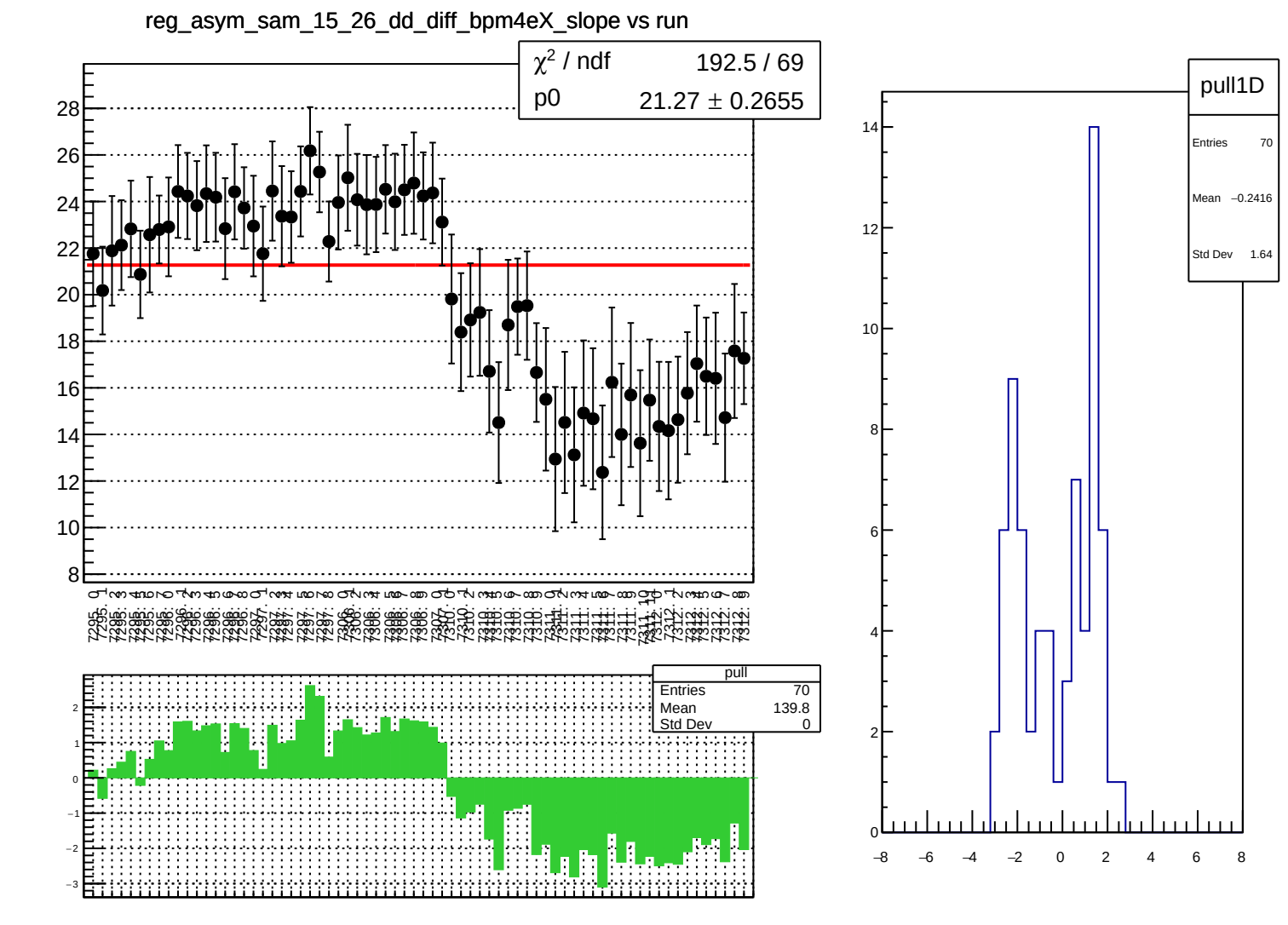

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 132.3 / 69
p0 0.2967 ± 0.01297
pull
Entries 70
Mean 67.17
Std Dev 0

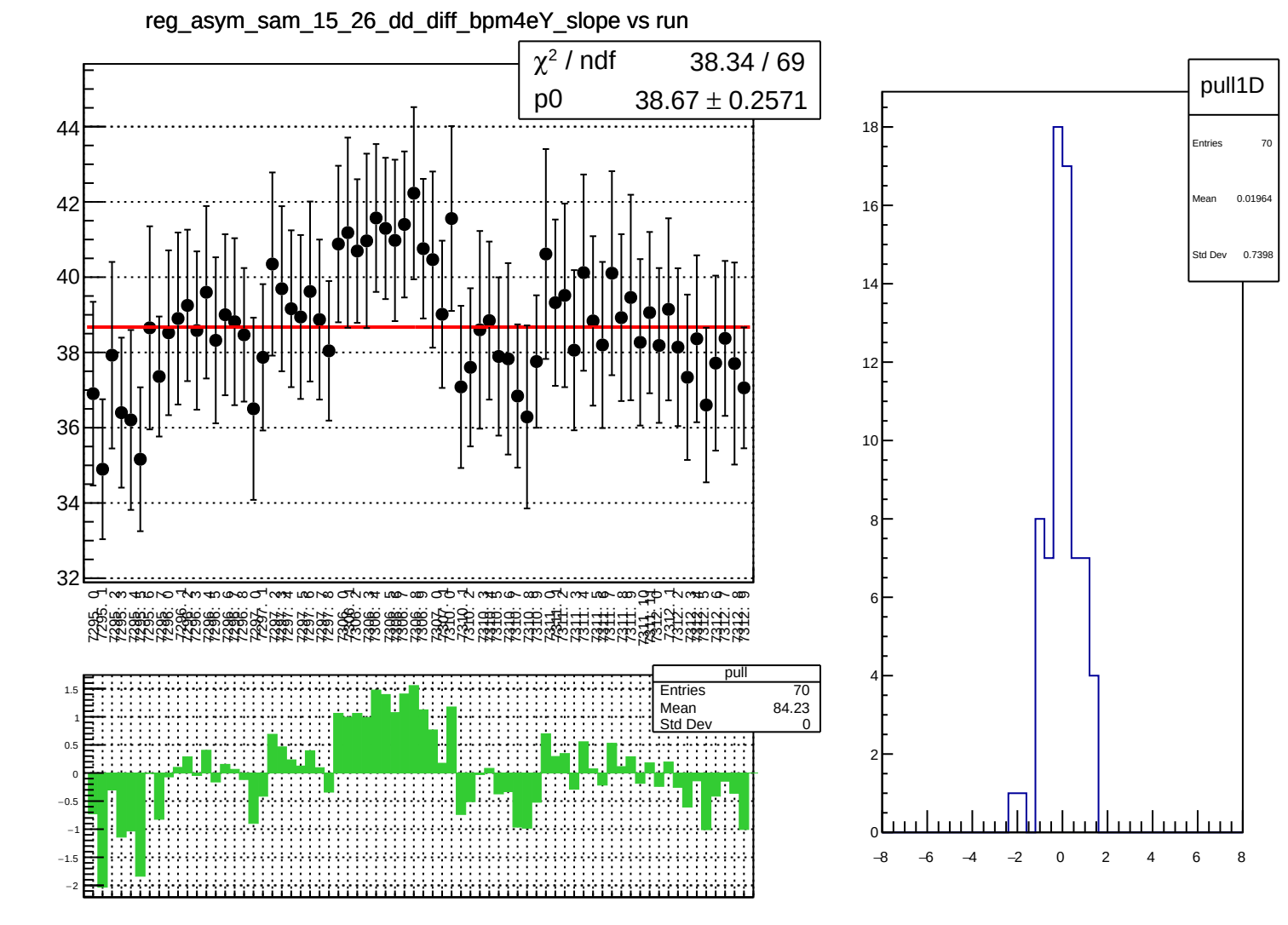

pull1D
Entries 70
Mean 0.2524
Std Dev 1.351

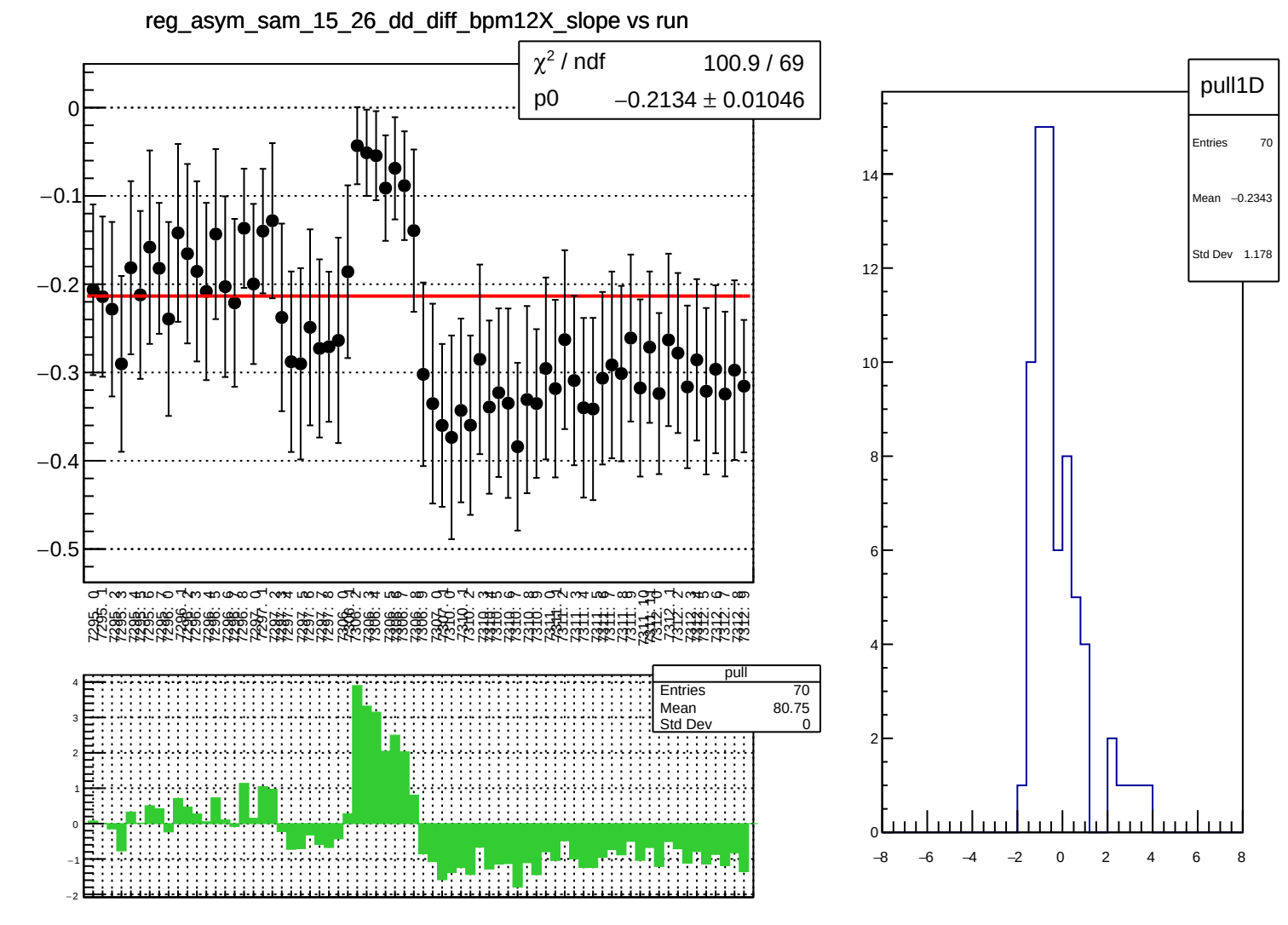

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 120.3 / 69
p0 −3.562 ± 0.2688
pull
Entries 70
Mean 136.5
Std Dev 0

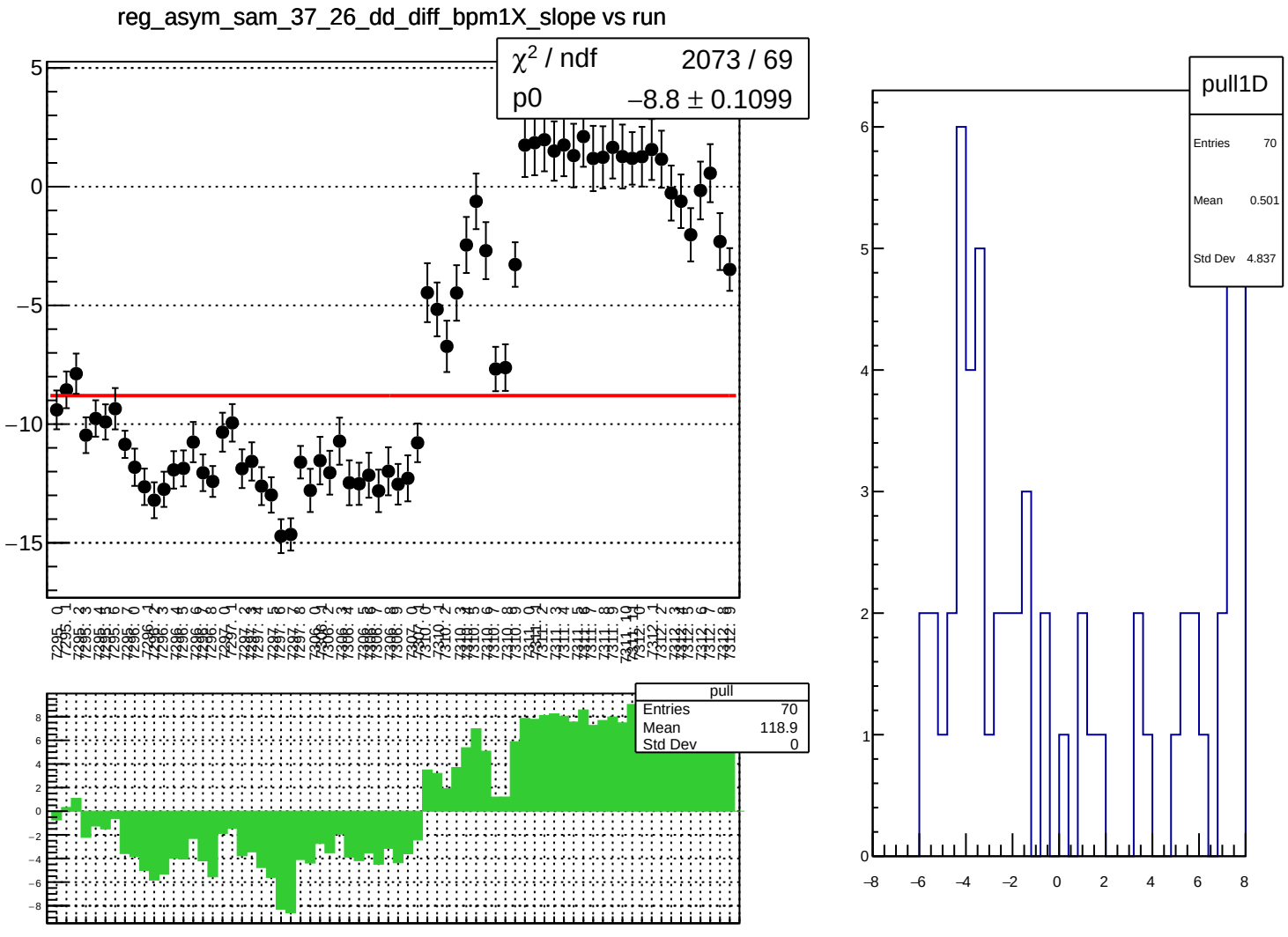

pull1D
Entries 70
Mean 0.202
Std Dev 1.295

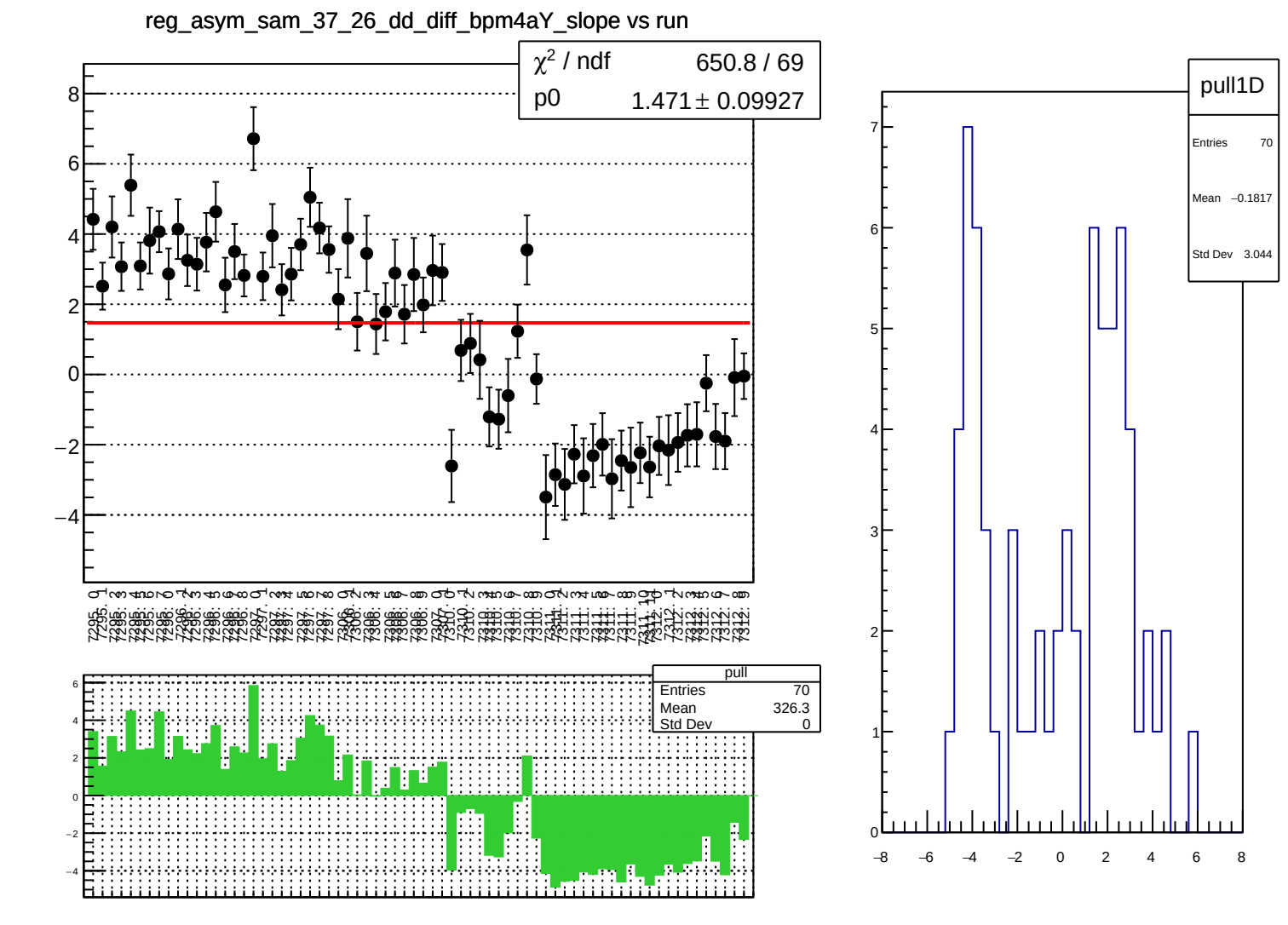

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.6 / 69
p0 −2.119 ± 0.2394
pull
Entries 70
Mean 6738
Std Dev 0
pull1D
Entries 70
Mean −0.001813
Std Dev 0.7426

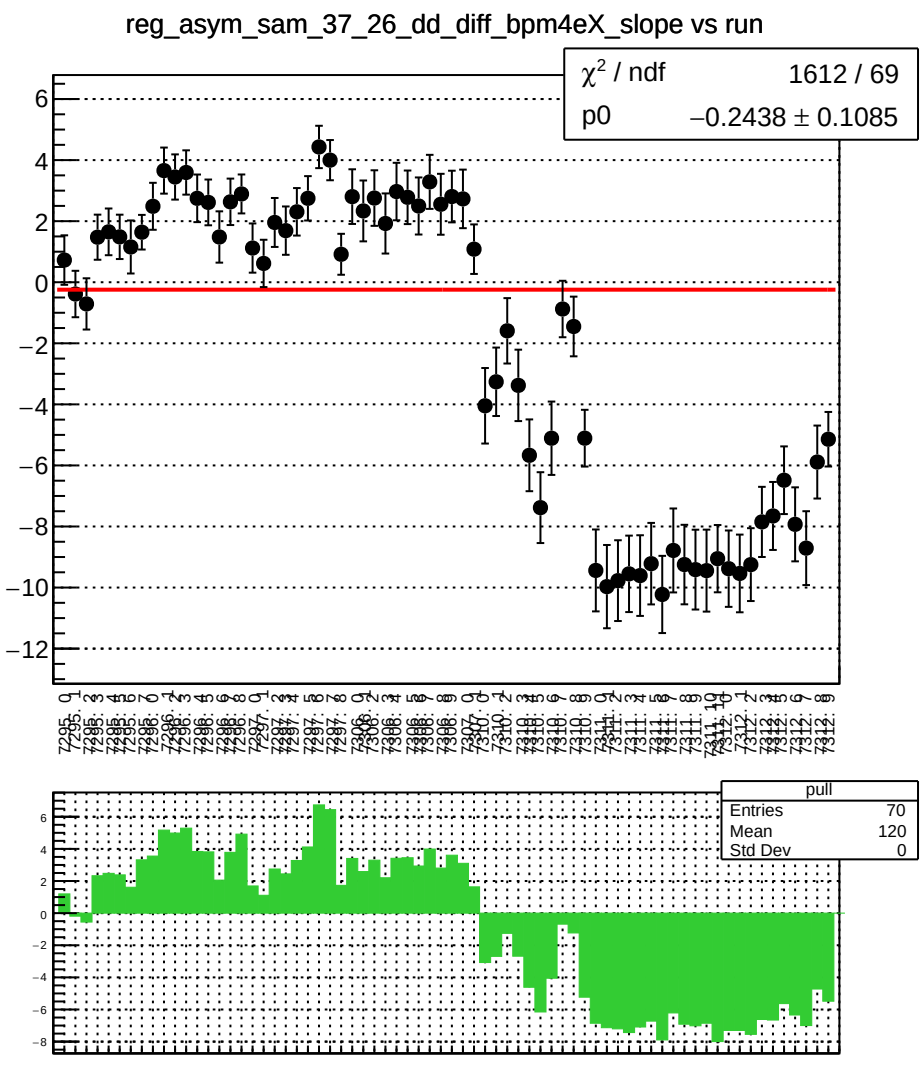

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 192.5 / 69
p0 21.27 ± 0.2655
pull
Entries 70
Mean 139.8
Std Dev 0
pull1D
Entries 70
Mean −0.2416
Std Dev 1.64

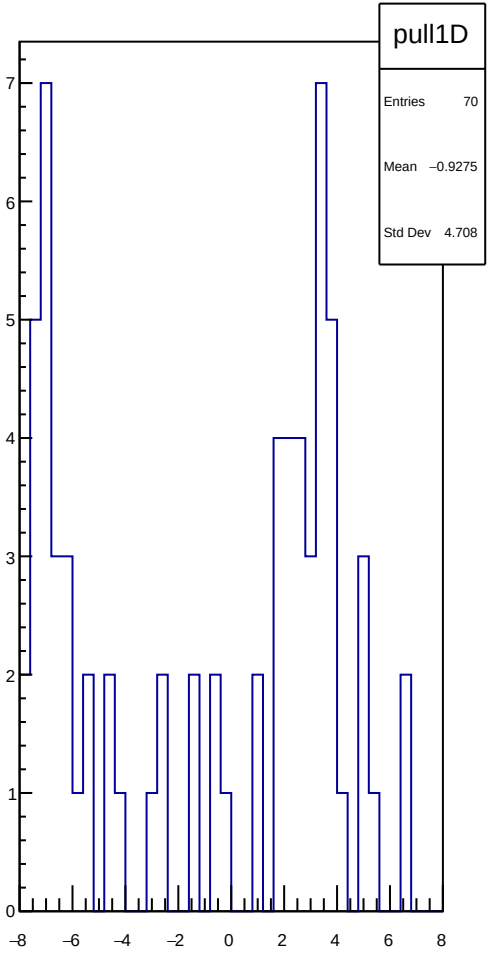

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.34 / 69
p0 38.67 ± 0.2571
pull
Entries 70
Mean 84.23
Std Dev 0
pull1D
Entries 70
Mean 0.01964
Std Dev 0.7398

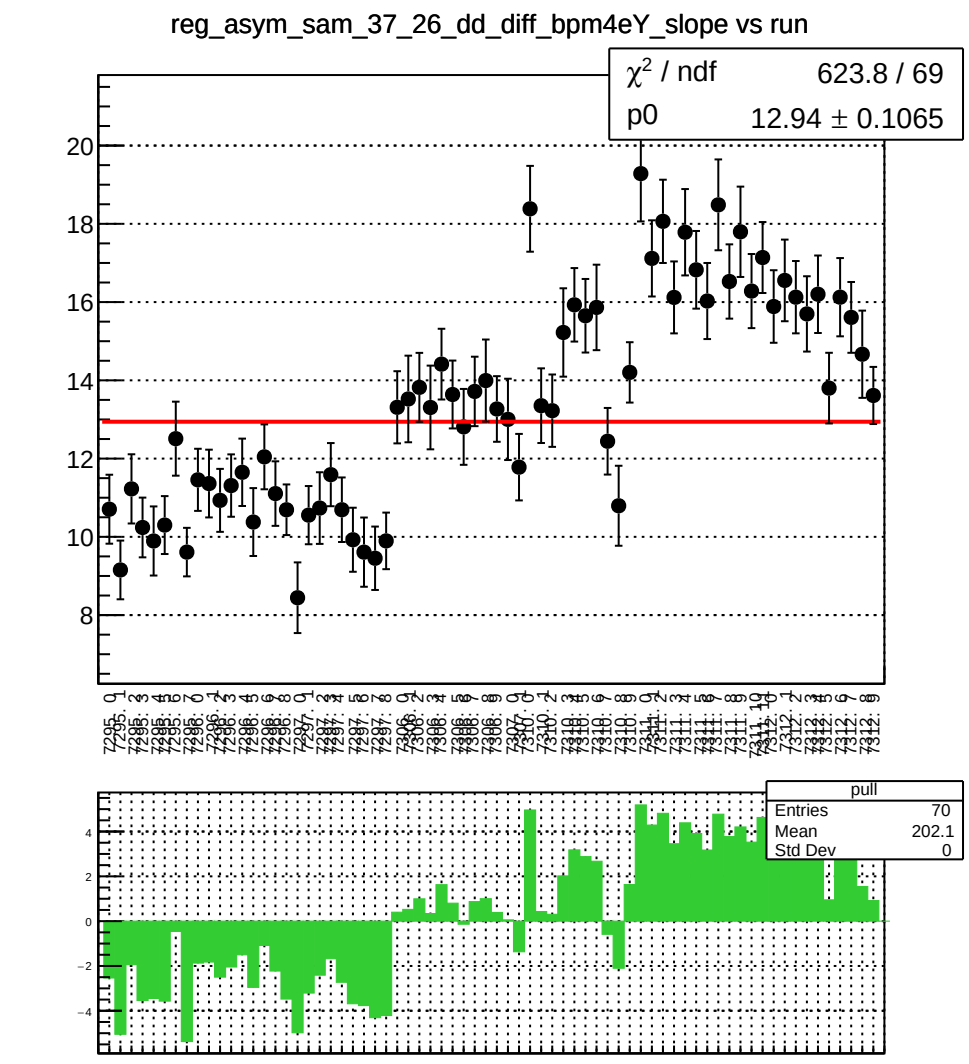

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 100.9 / 69
p0 −0.2134 ± 0.01046
pull
Entries 70
Mean 80.75
Std Dev 0
pull1D
Entries 70
Mean −0.2343
Std Dev 1.178

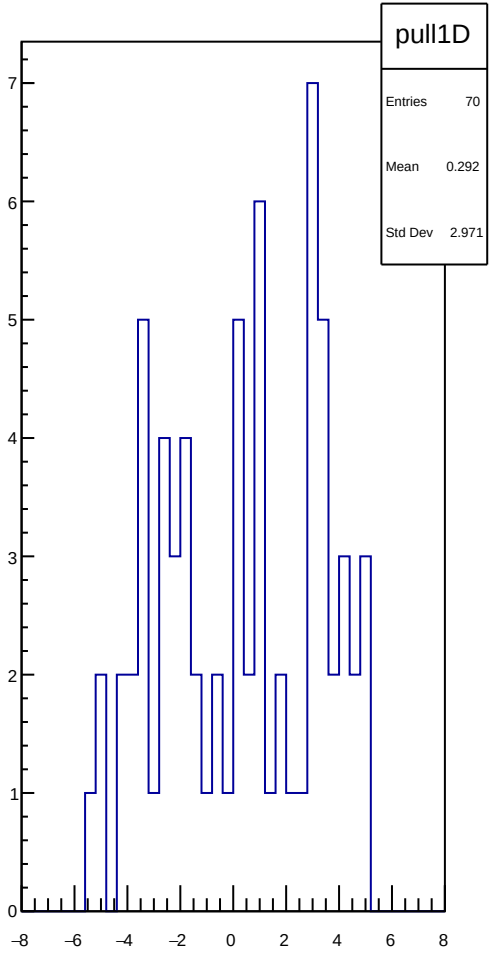

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2073 / 69
p0 −8.8 ± 0.1099
pull
Entries 70
Mean 118.9
Std Dev 0
pull1D
Entries 70
Mean 0.501
Std Dev 4.837

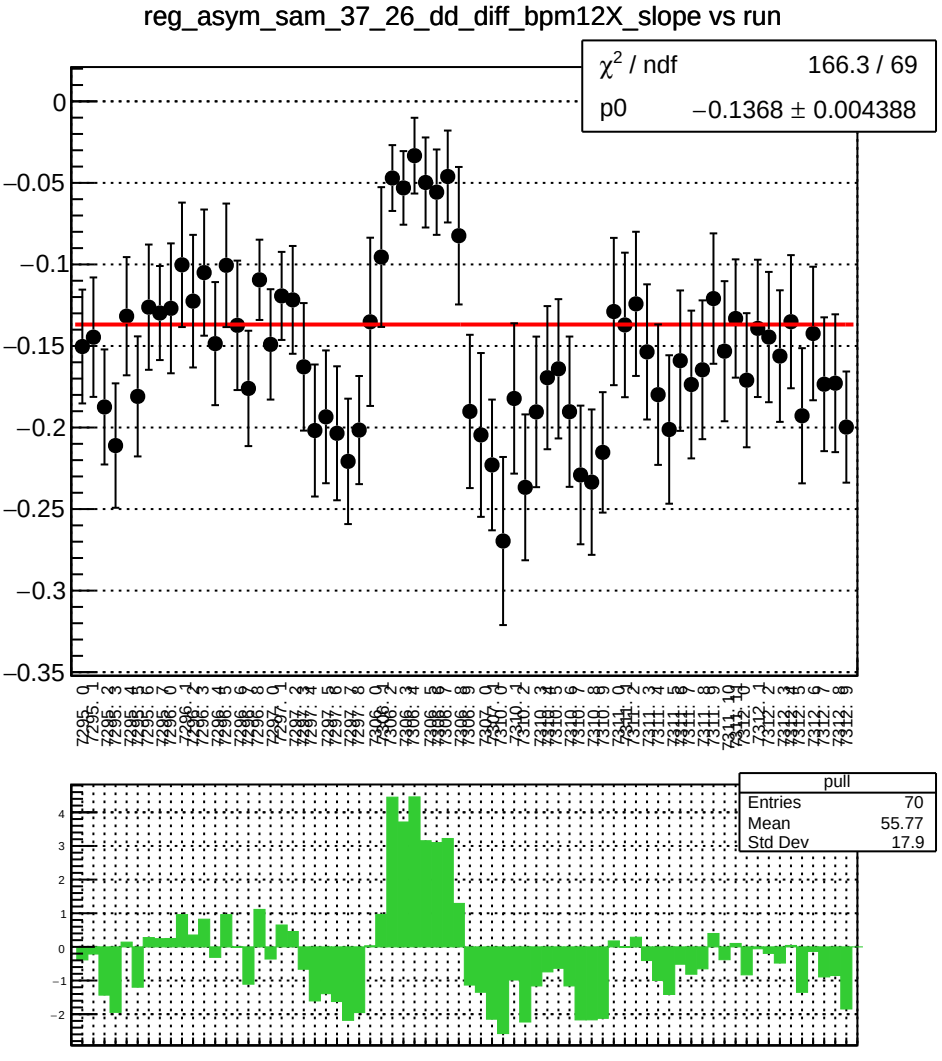

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 650.8 / 69
p0 1.471 ± 0.09927
pull
Entries 70
Mean 326.3
Std Dev 0
pull1D
Entries 70
Mean −0.1817
Std Dev 3.044

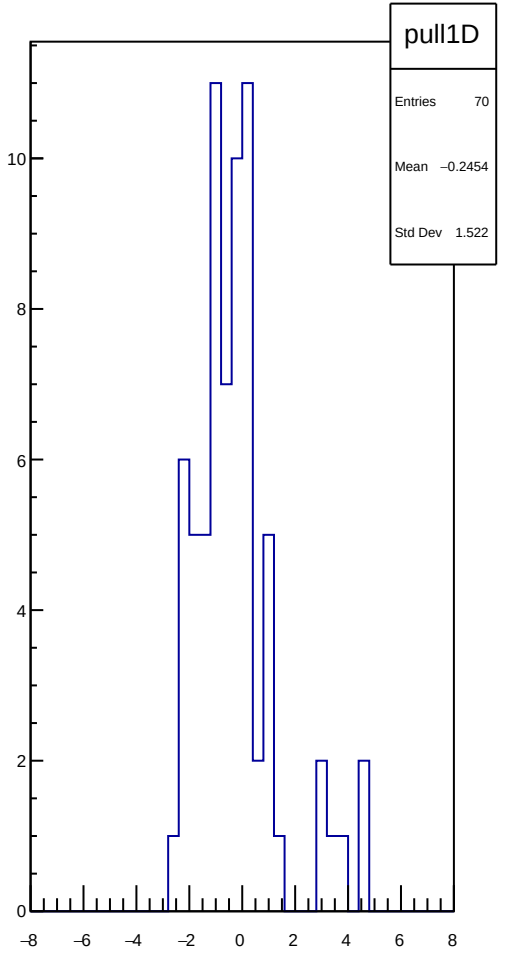

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1612 / 69
p0 −0.2438 ± 0.1085
pull
Entries 70
Mean 120
Std Dev 0

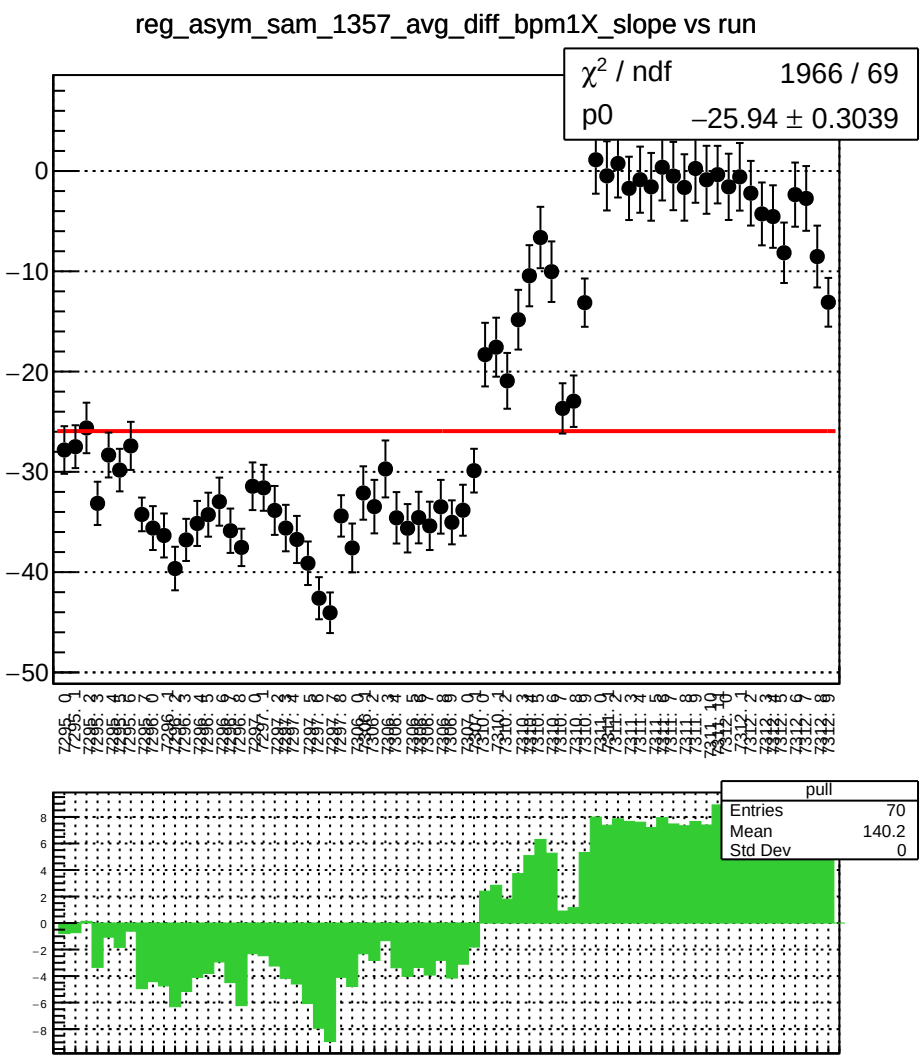

pull1D
Entries 70
Mean −0.9275
Std Dev 4.708

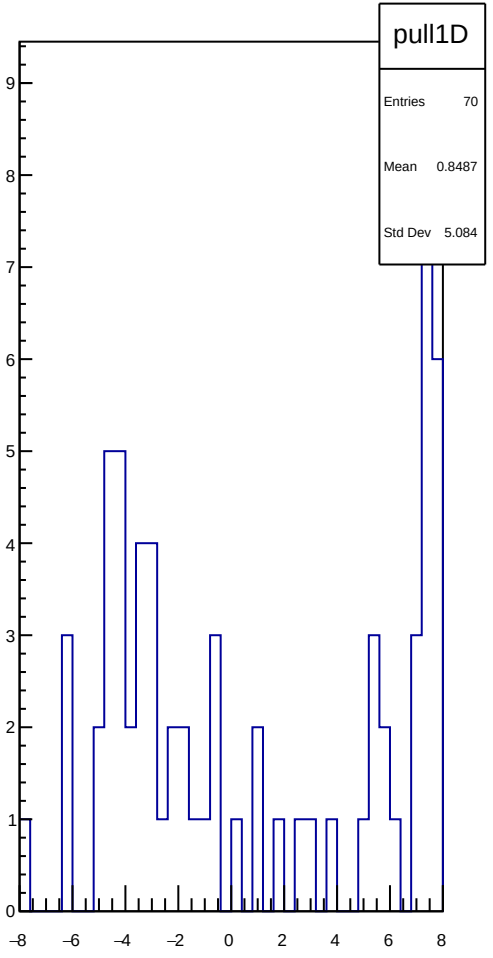

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 623.8 / 69
p0 12.94 ± 0.1065
pull
Entries 70
Mean 202.1
Std Dev 0

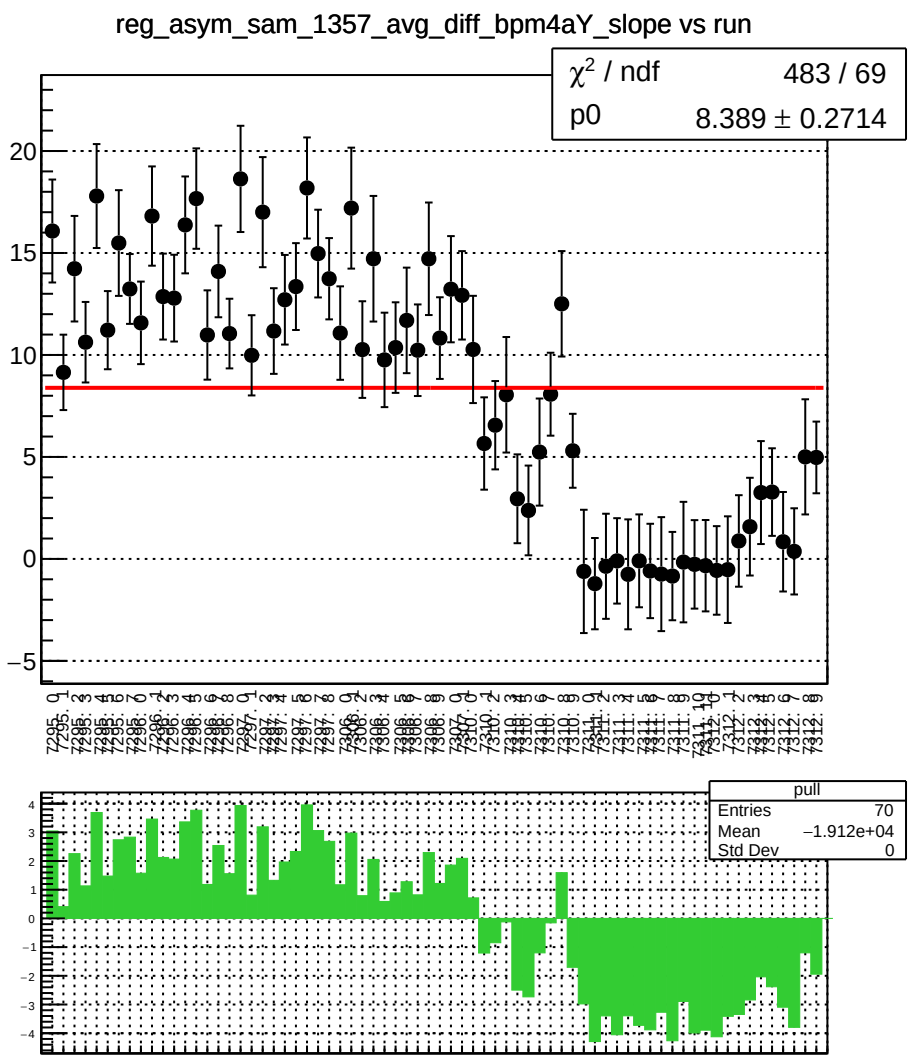

pull1D
Entries 70
Mean 0.292
Std Dev 2.971

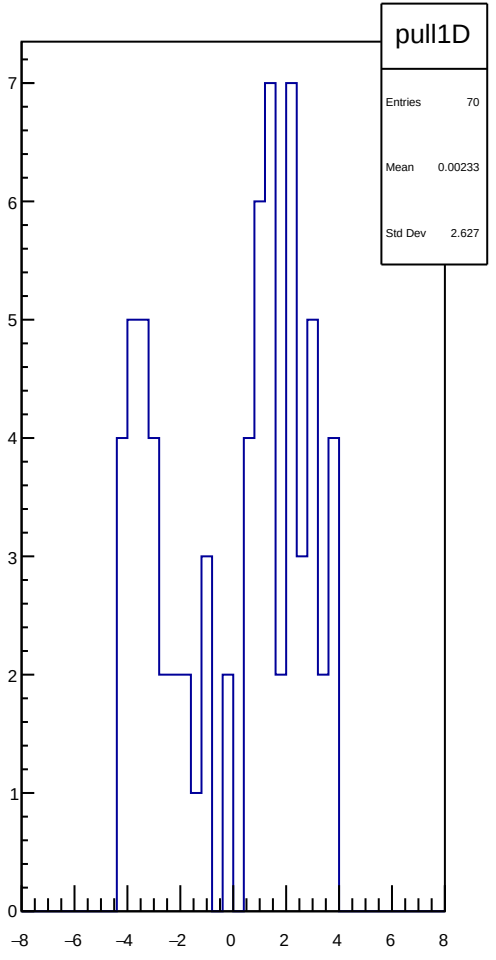

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 166.3 / 69
p0 −0.1368 ± 0.004388
pull
Entries 70
Mean 55.77
Std Dev 17.9

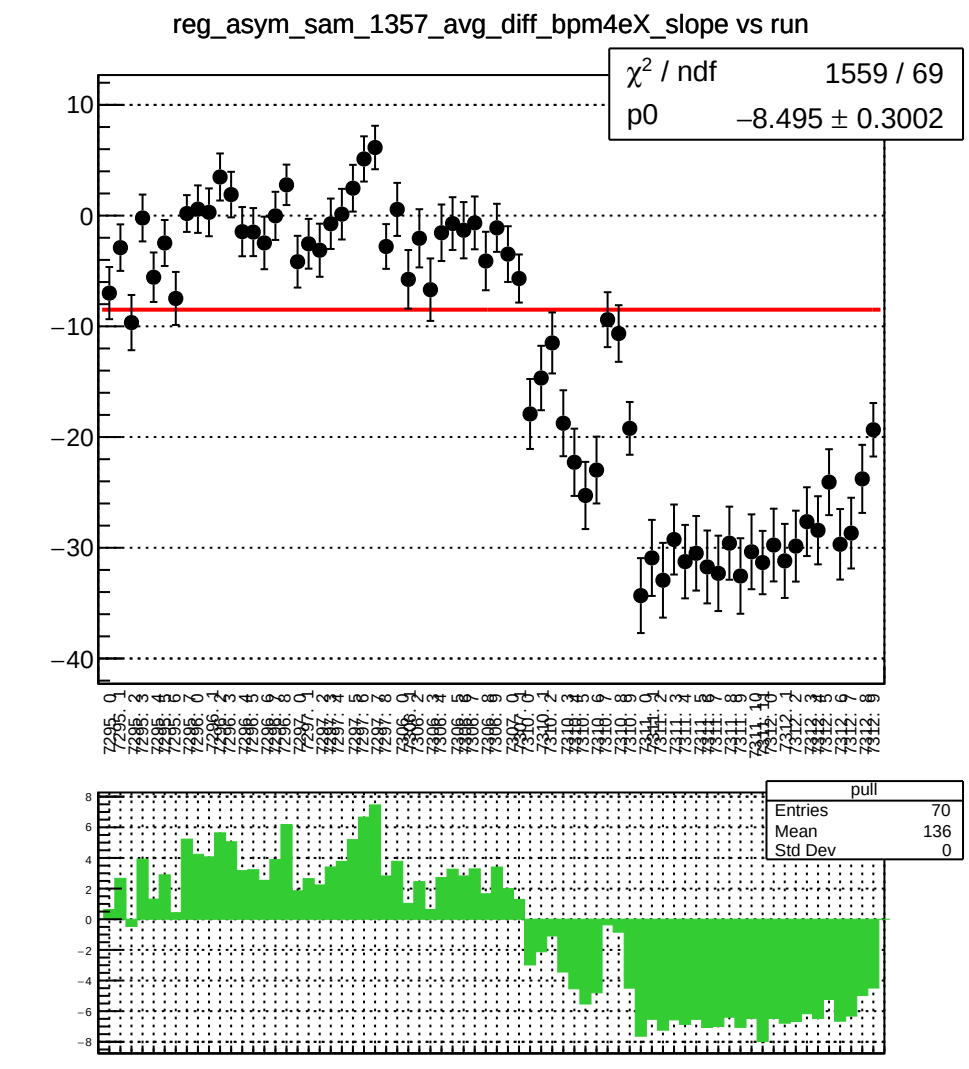

pull1D
Entries 70
Mean −0.2454
Std Dev 1.522

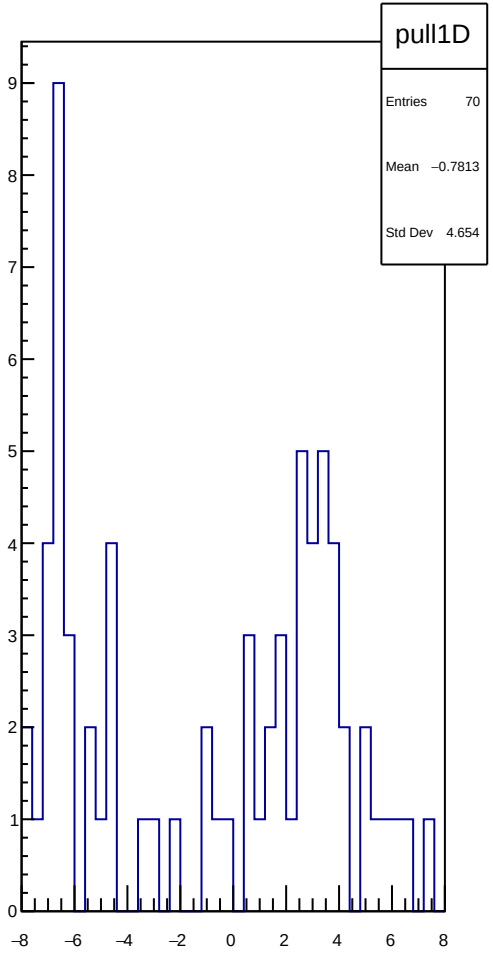

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 1966 / 69
p0 −25.94 ± 0.3039
pull
Entries 70
Mean 140.2
Std Dev 0

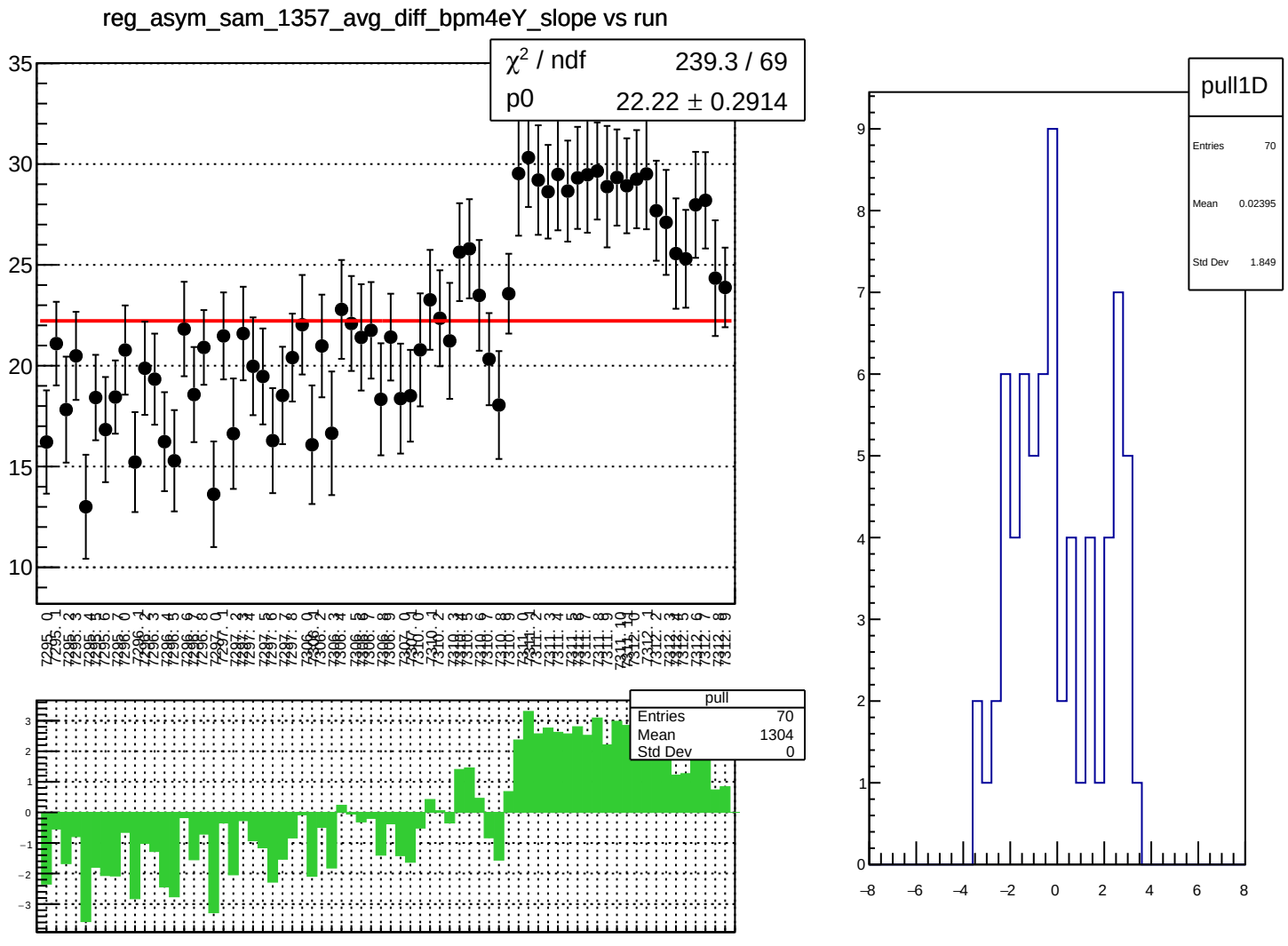

pull1D
Entries 70
Mean 0.8487
Std Dev 5.084

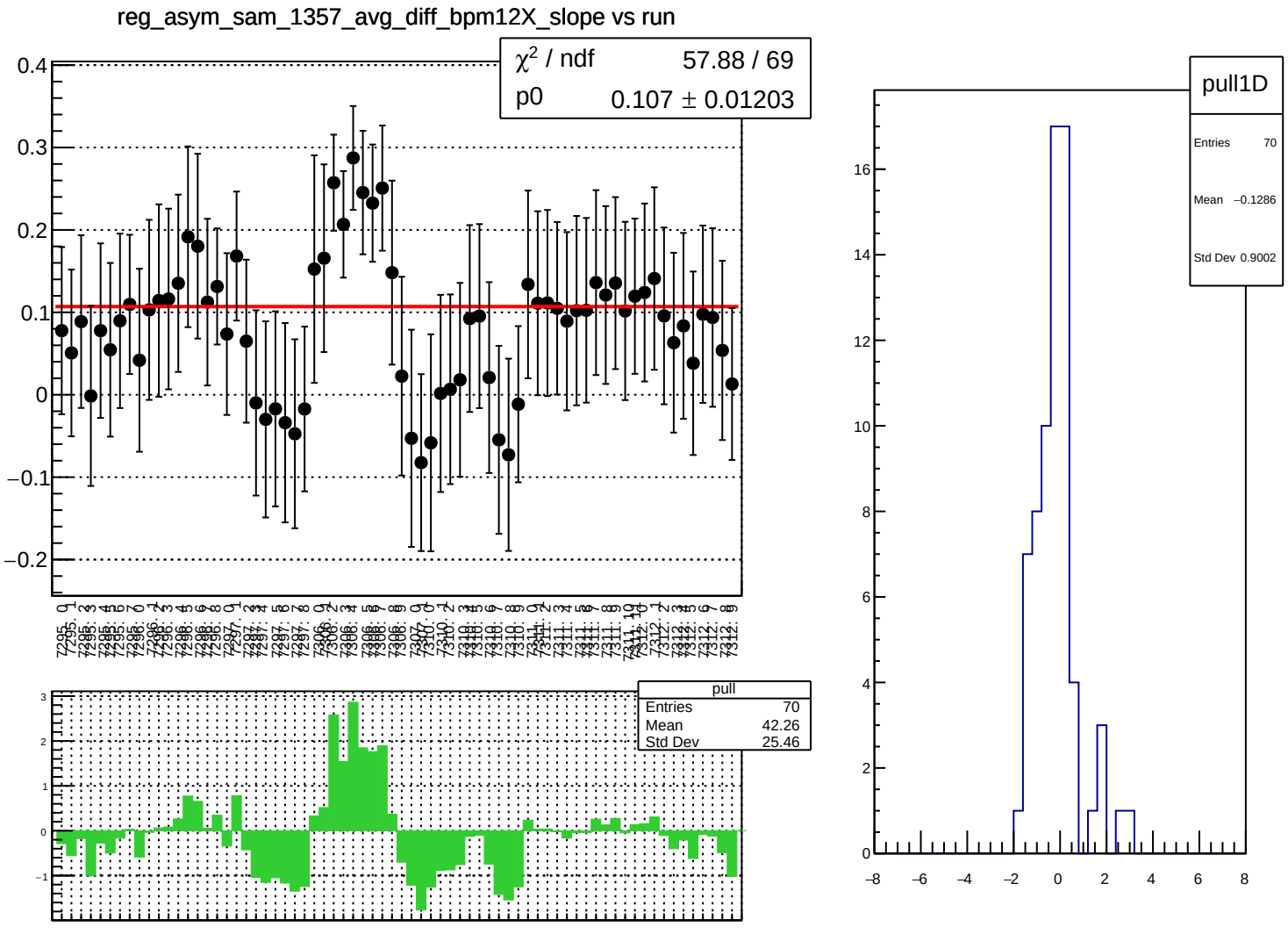

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 483 / 69
p0 8.389 ± 0.2714
pull
Entries 70
Mean −1.912e+04
Std Dev 0

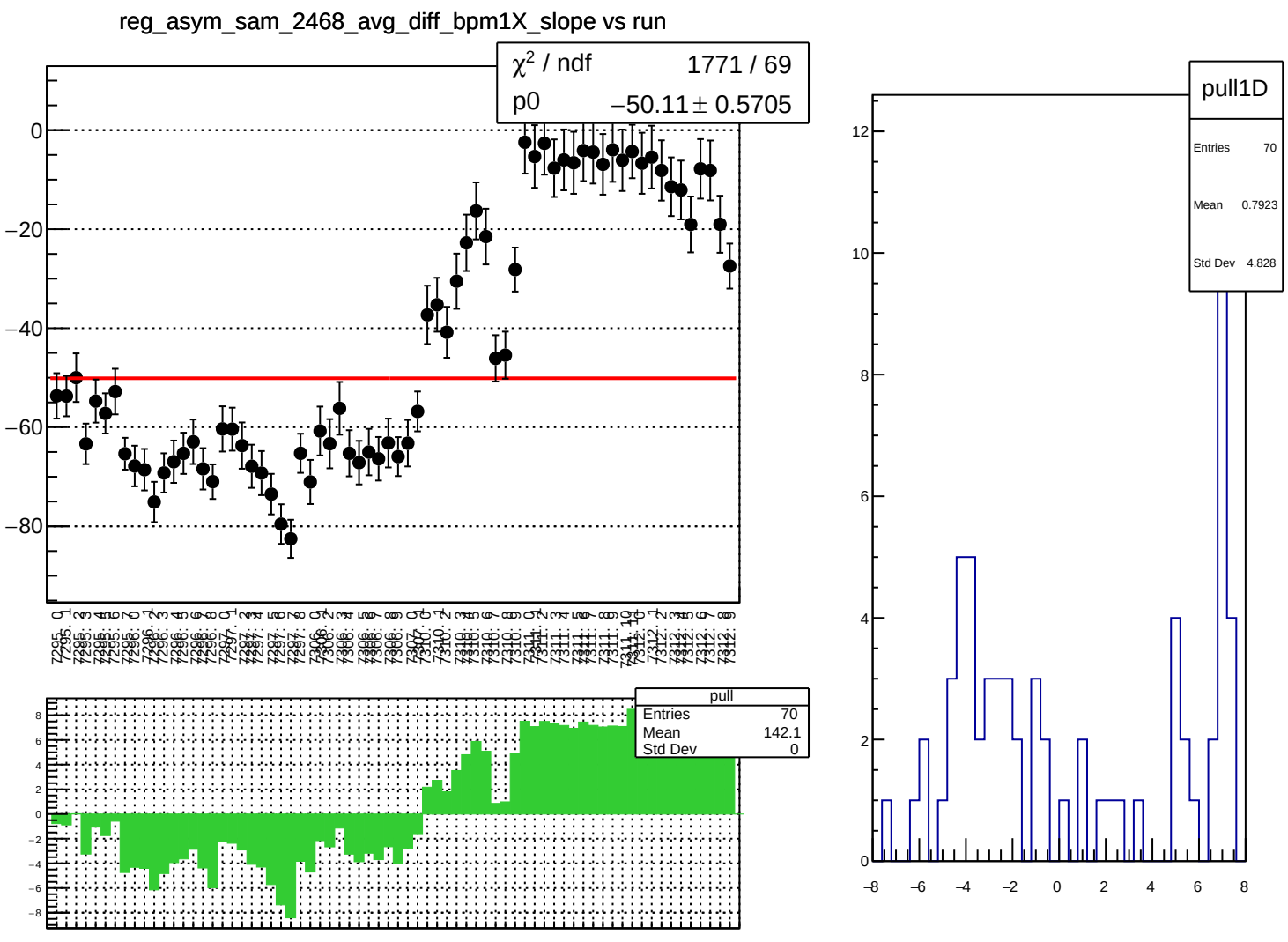

pull1D
Entries 70
Mean 0.00233
Std Dev 2.627

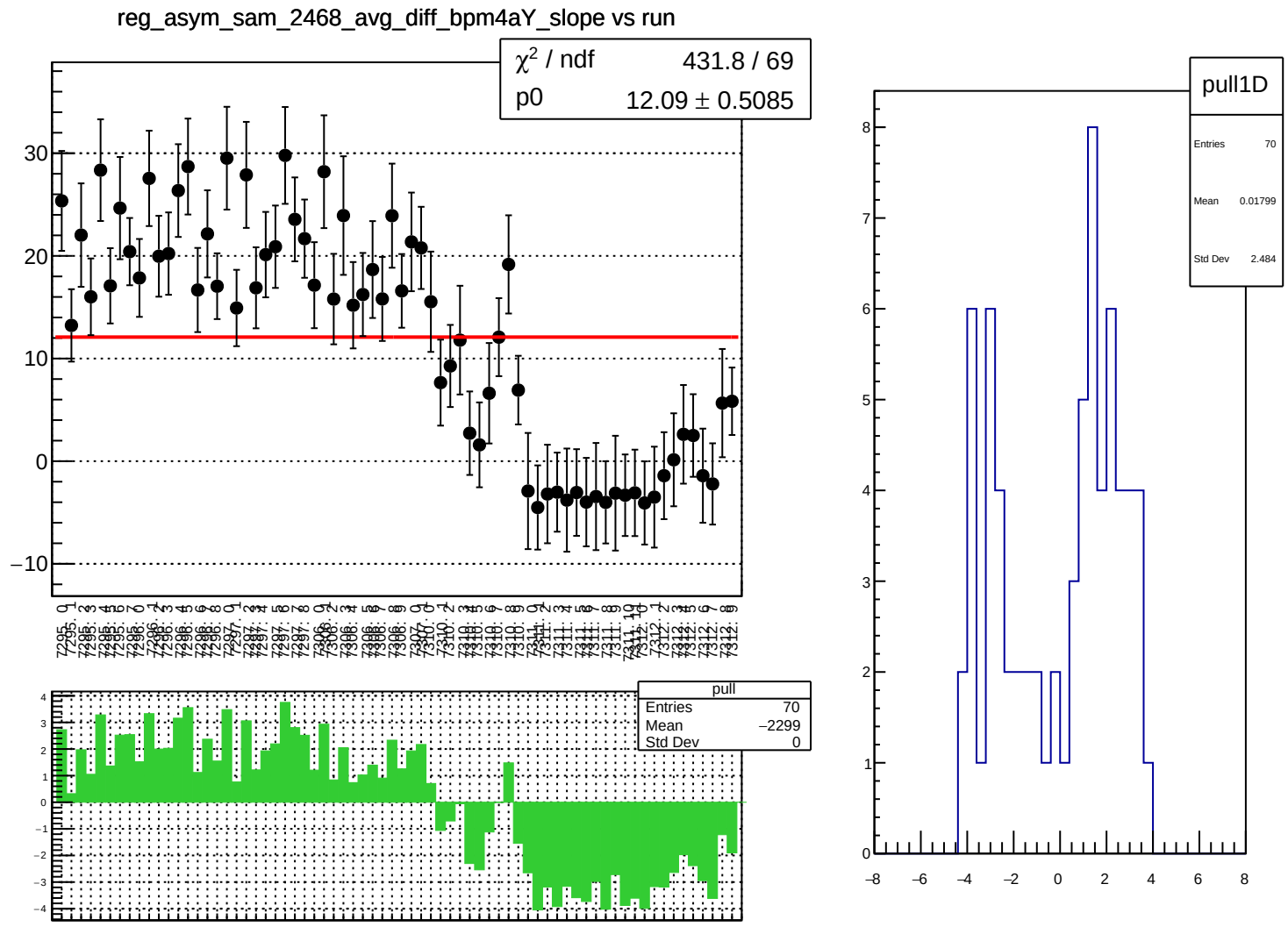

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1559 / 69
p0 −8.495 ± 0.3002
pull
Entries 70
Mean 136
Std Dev 0

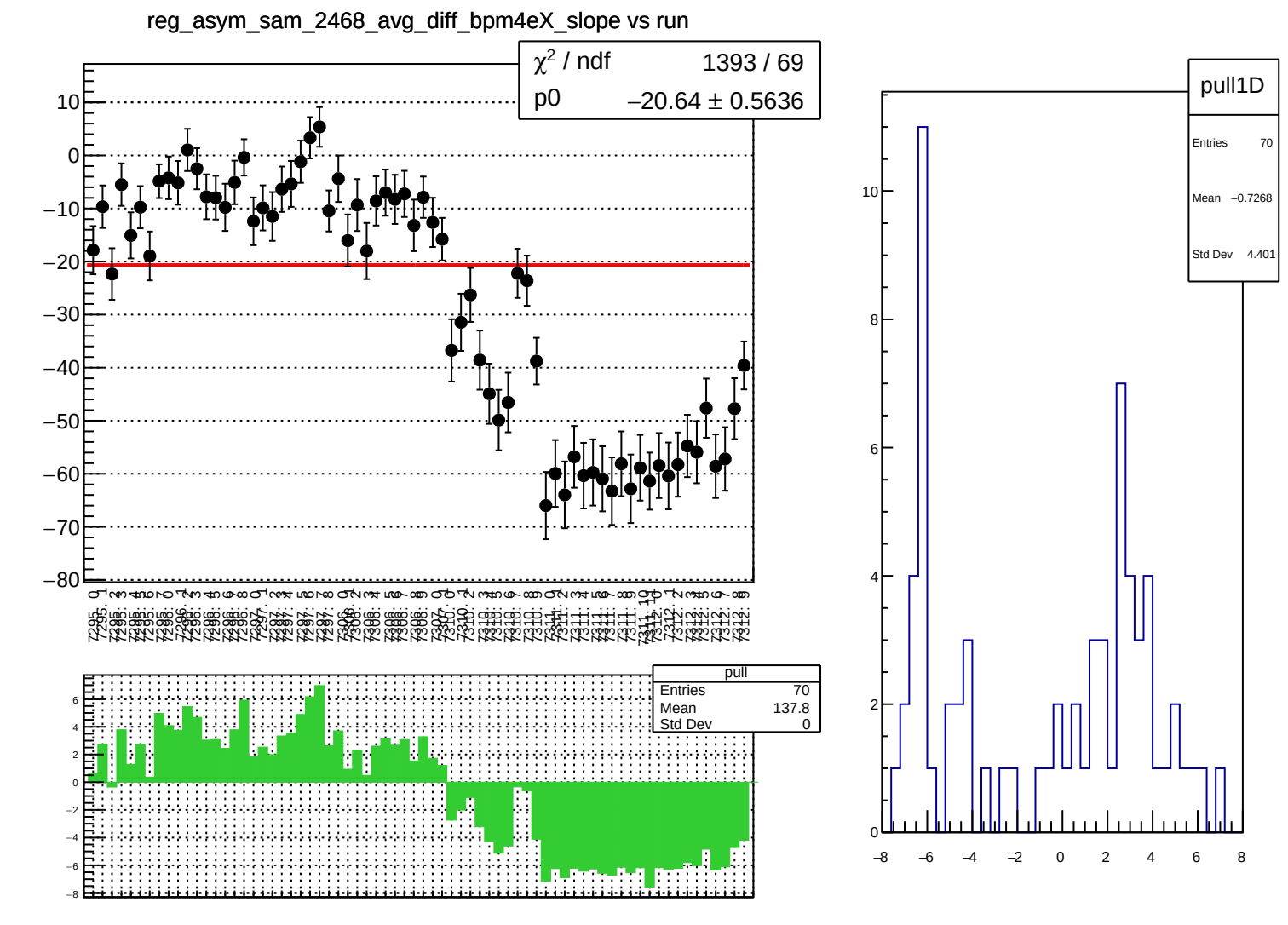

pull1D
Entries 70
Mean −0.7813
Std Dev 4.654

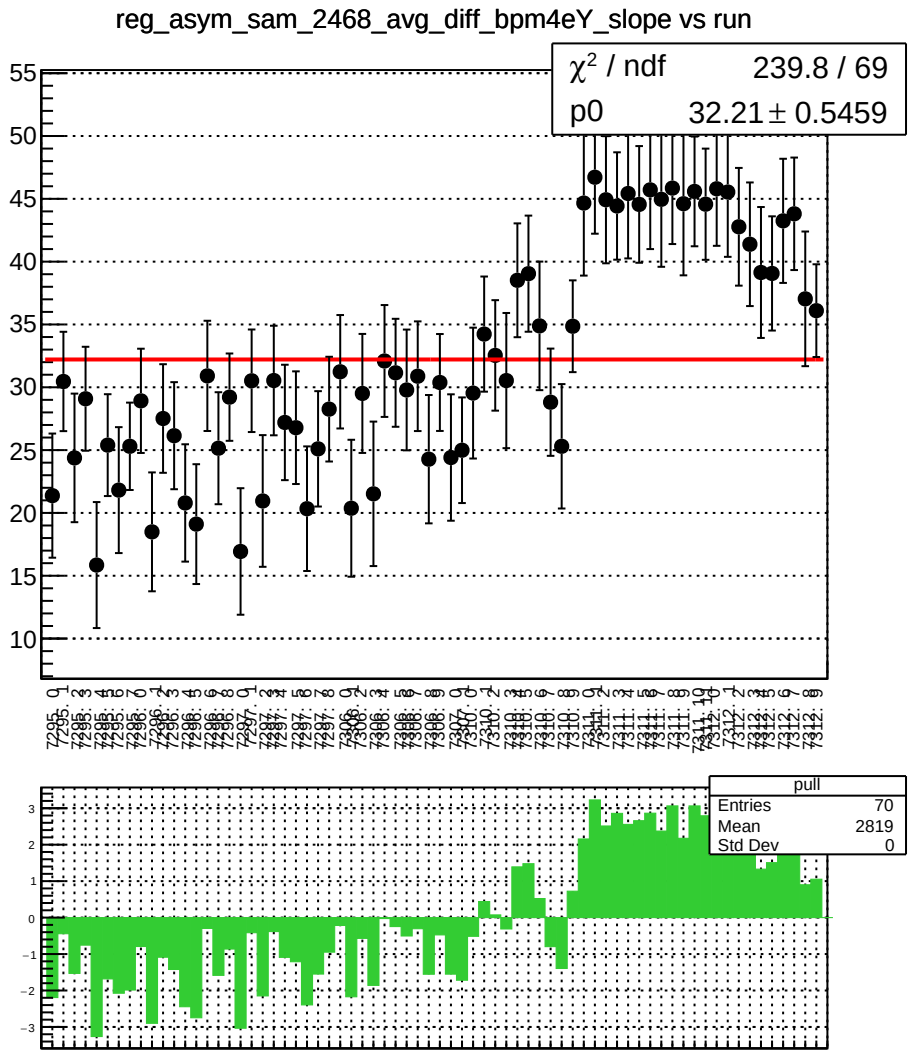

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 239.3 / 69
p0 22.22 ± 0.2914
pull
Entries 70
Mean 1304
Std Dev 0
pull1D
Entries 70
Mean 0.02395
Std Dev 1.849

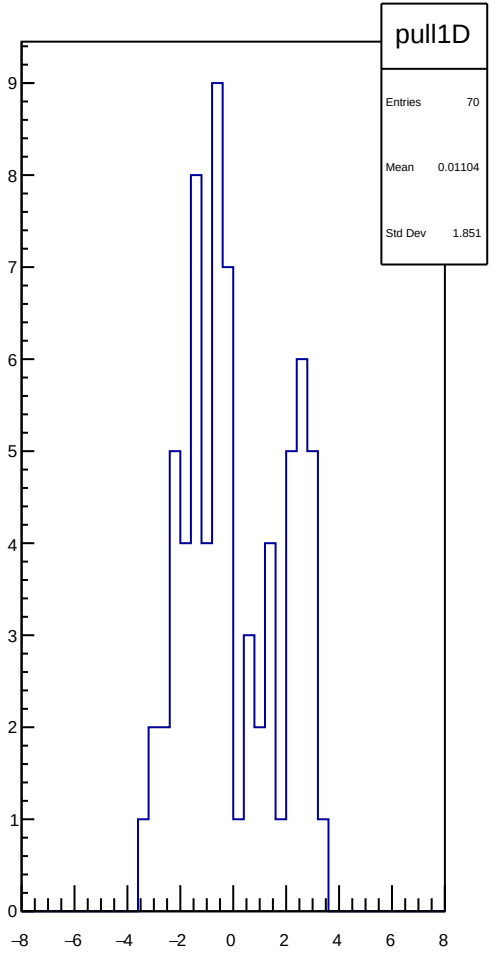

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 57.88 / 69
p0 0.107 ± 0.01203
pull
Entries 70
Mean 42.26
Std Dev 25.46
pull1D
Entries 70
Mean −0.1286
Std Dev 0.9002

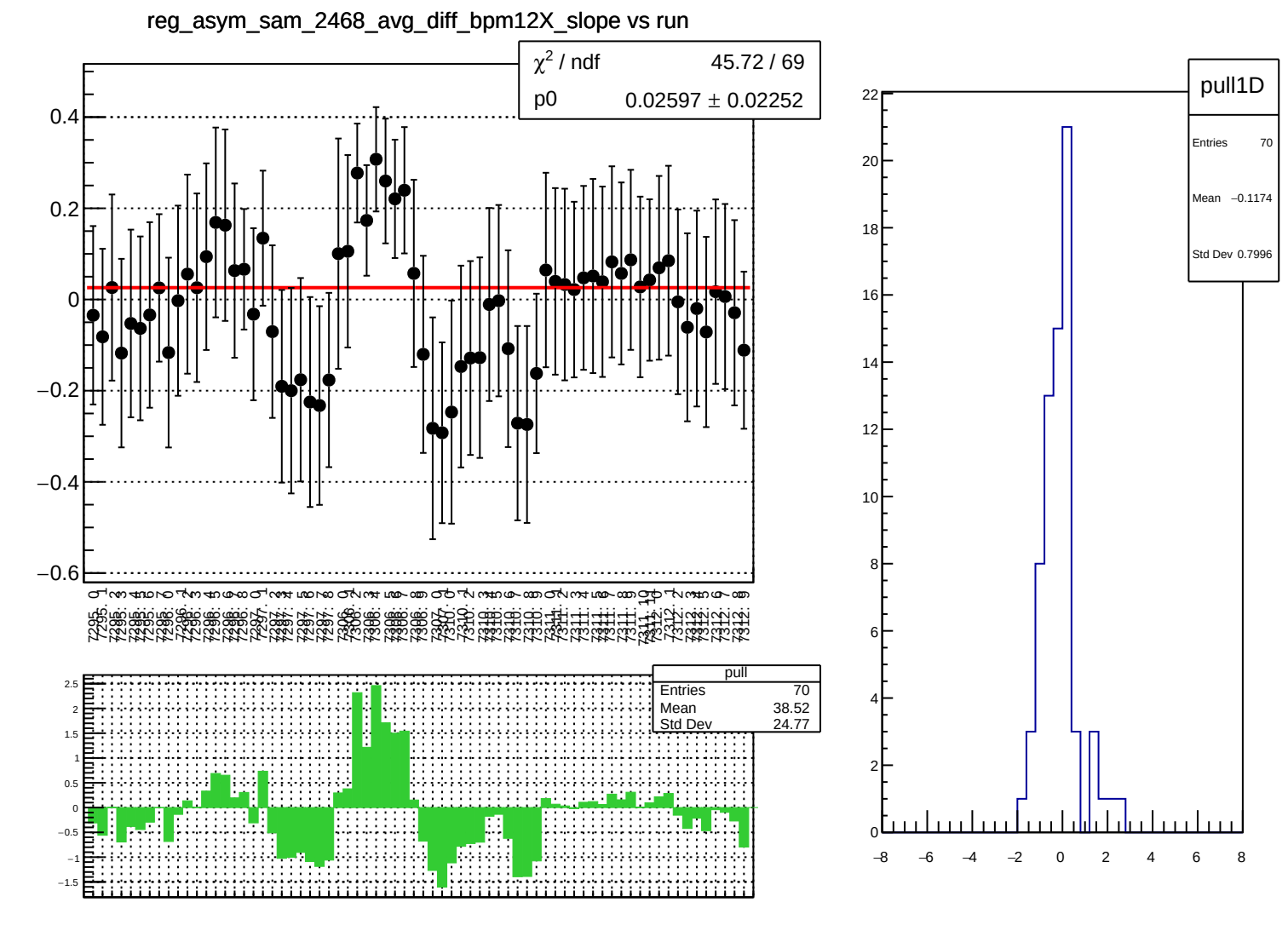

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1771 / 69
p0 −50.11 ± 0.5705
pull
Entries 70
Mean 142.1
Std Dev 0
pull1D
Entries 70
Mean 0.7923
Std Dev 4.828

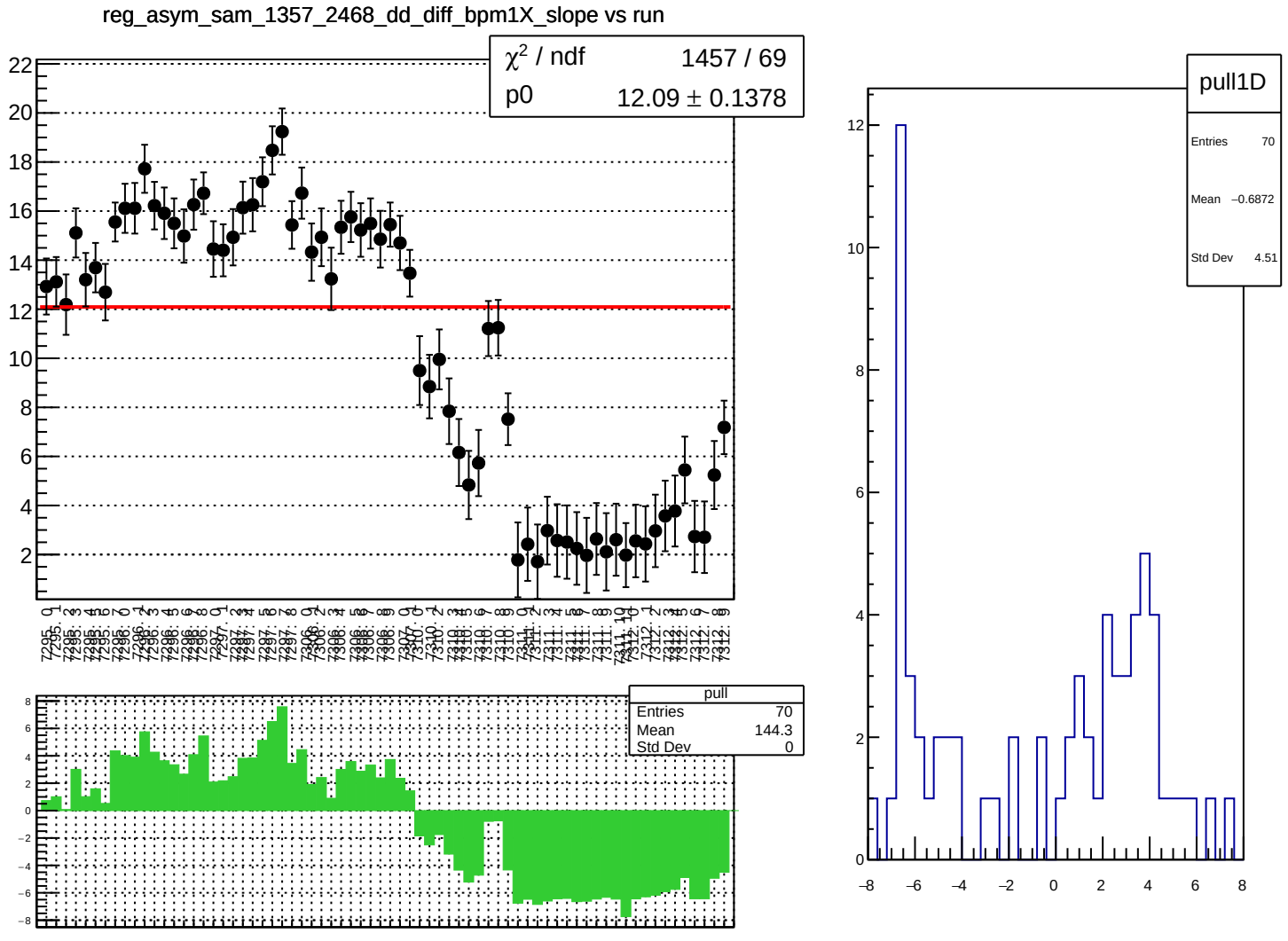

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 431.8 / 69
p0 12.09 ± 0.5085
pull
Entries 70
Mean −2299
Std Dev 0
pull1D
Entries 70
Mean 0.01799
Std Dev 2.484

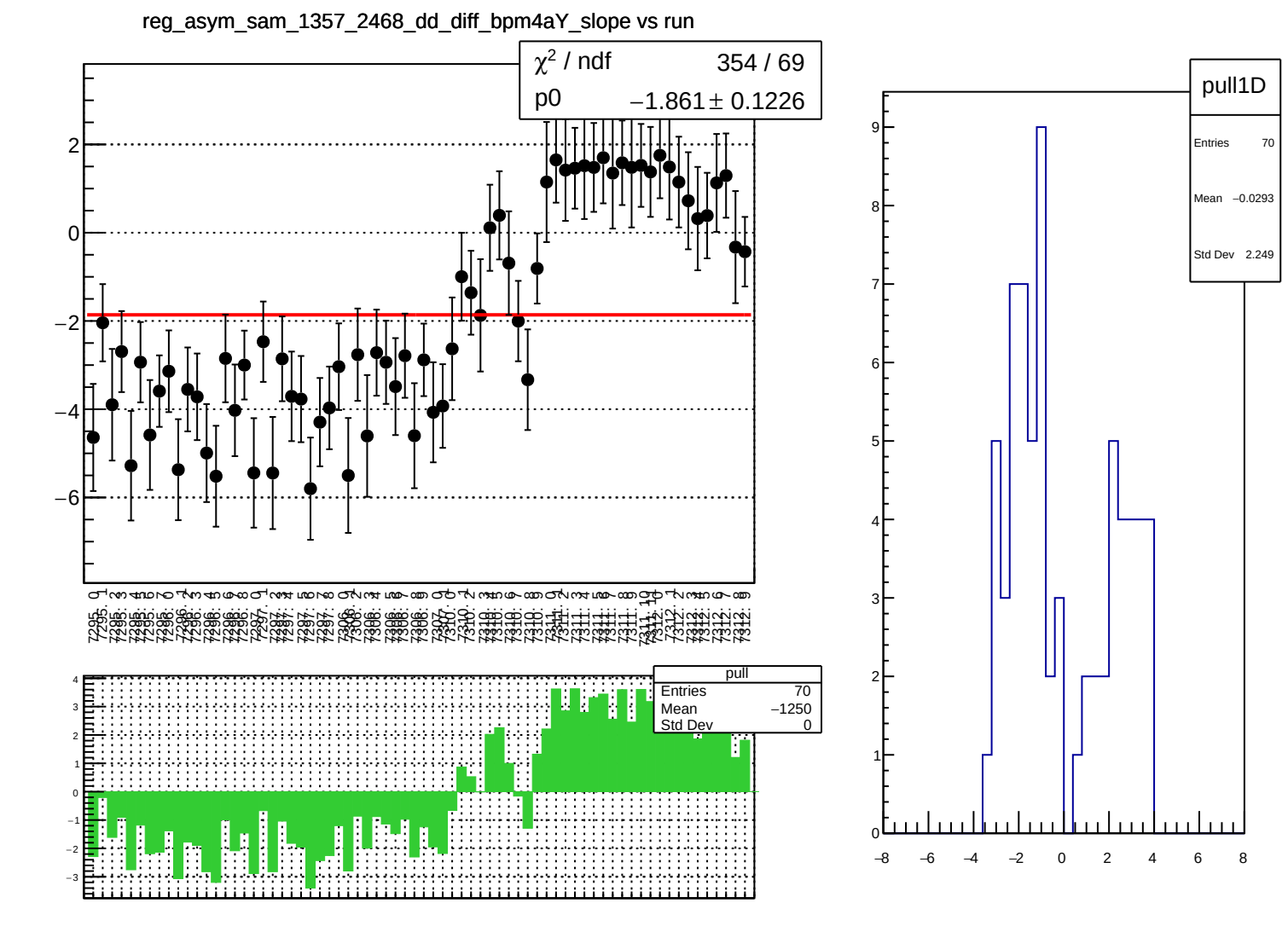

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1393 / 69
p0 −20.64 ± 0.5636
pull
Entries 70
Mean 137.8
Std Dev 0
pull1D
Entries 70
Mean −0.7268
Std Dev 4.401

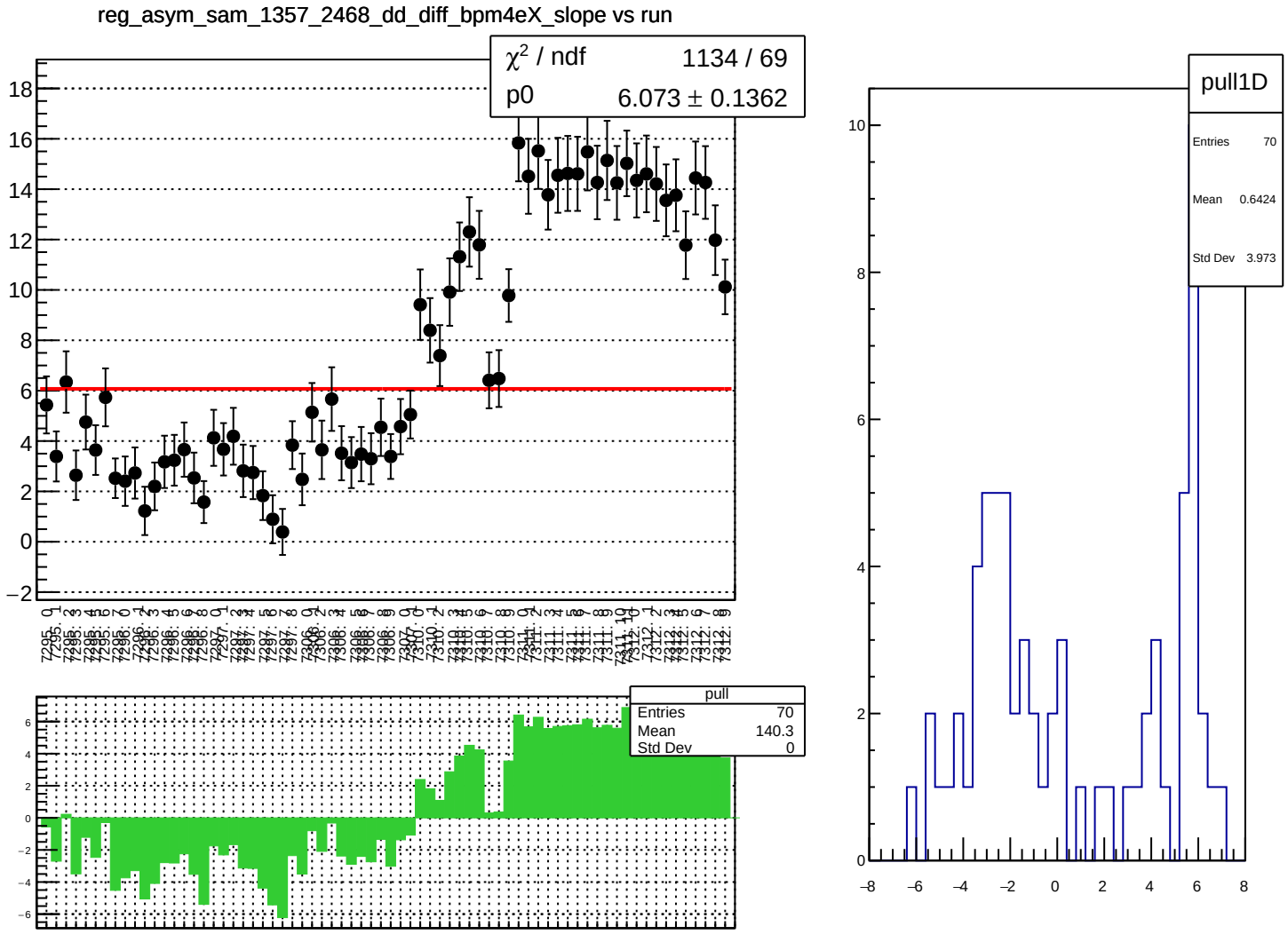

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 239.8 / 69
p0 32.21 ± 0.5459
pull
Entries 70
Mean 2819
Std Dev 0

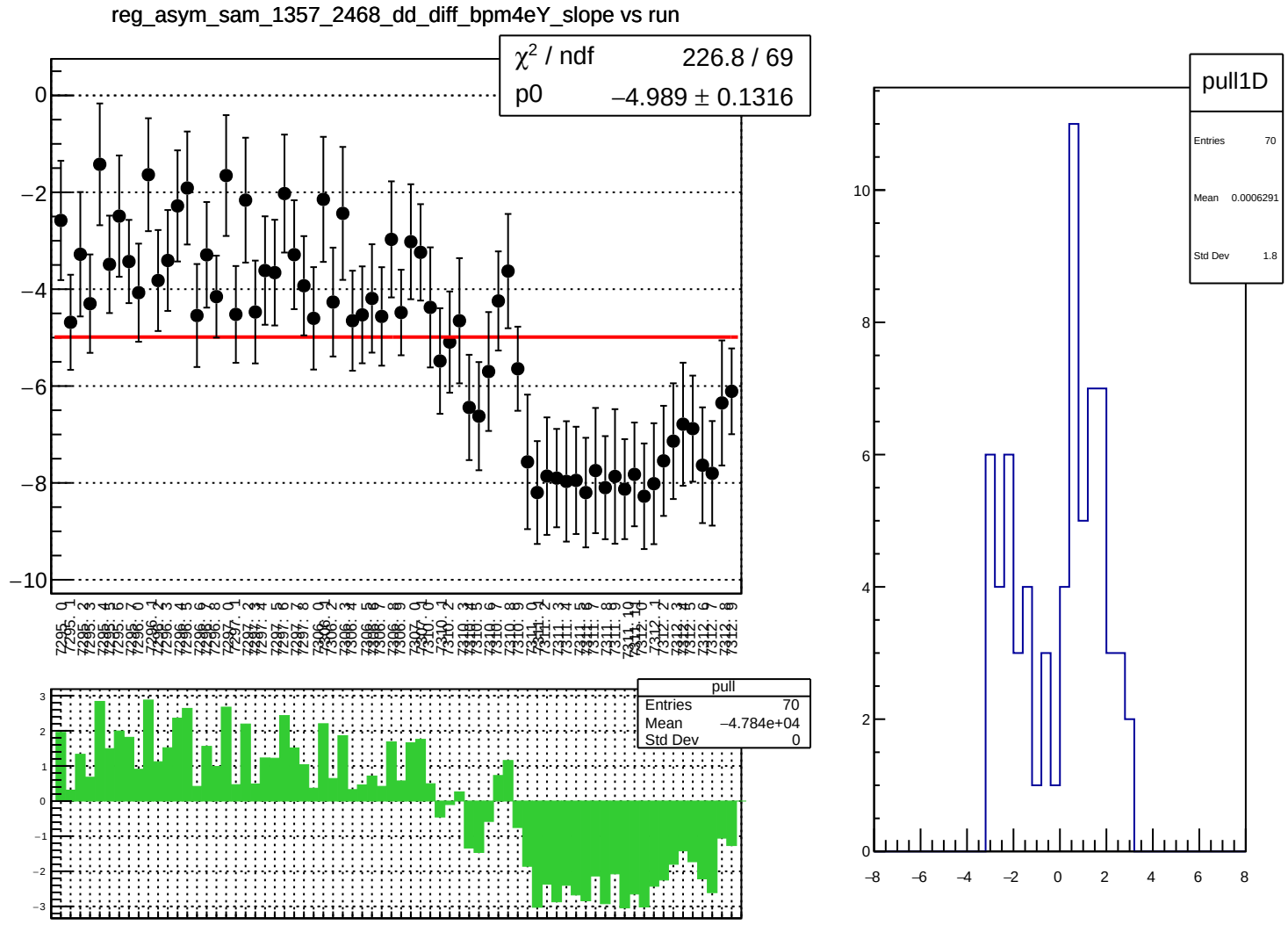

pull1D
Entries 70
Mean 0.01104
Std Dev 1.851

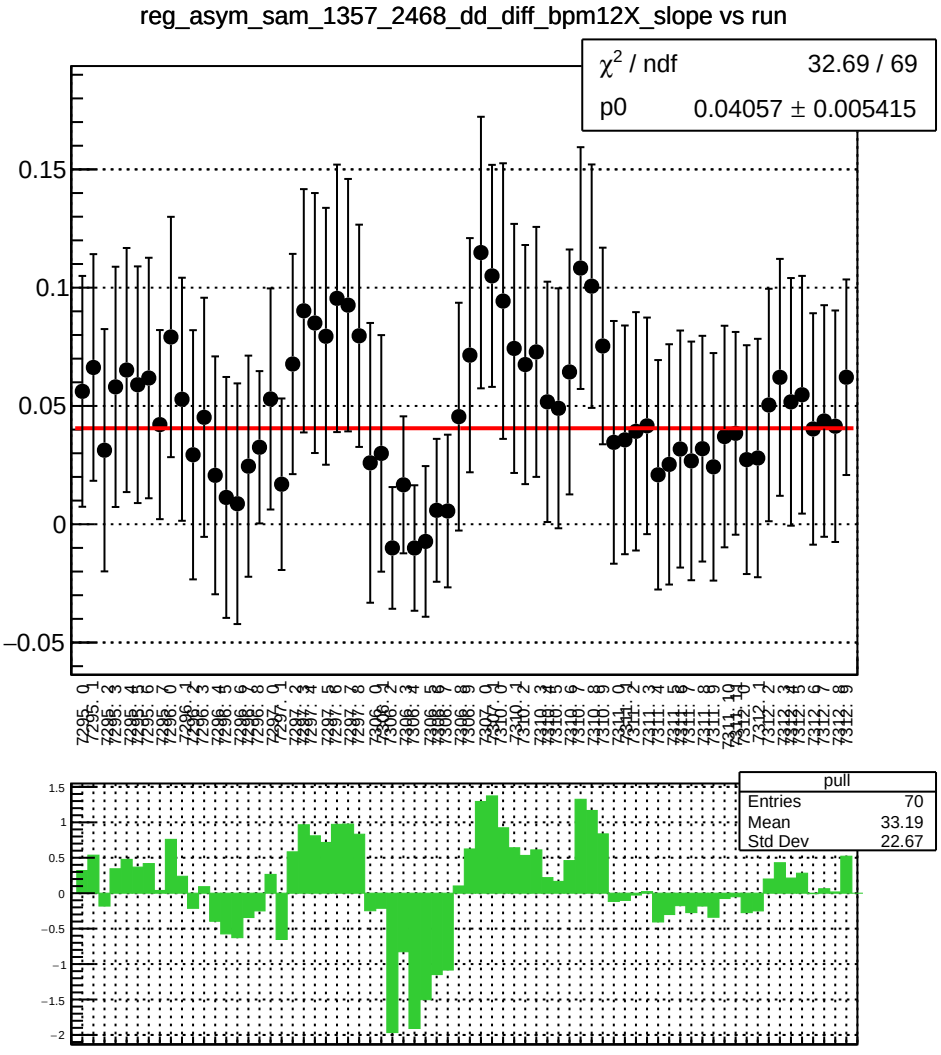

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 45.72 / 69
p0 0.02597 ± 0.02252
pull
Entries 70
Mean 38.52
Std Dev 24.77
pull1D
Entries 70
Mean −0.1174
Std Dev 0.7996

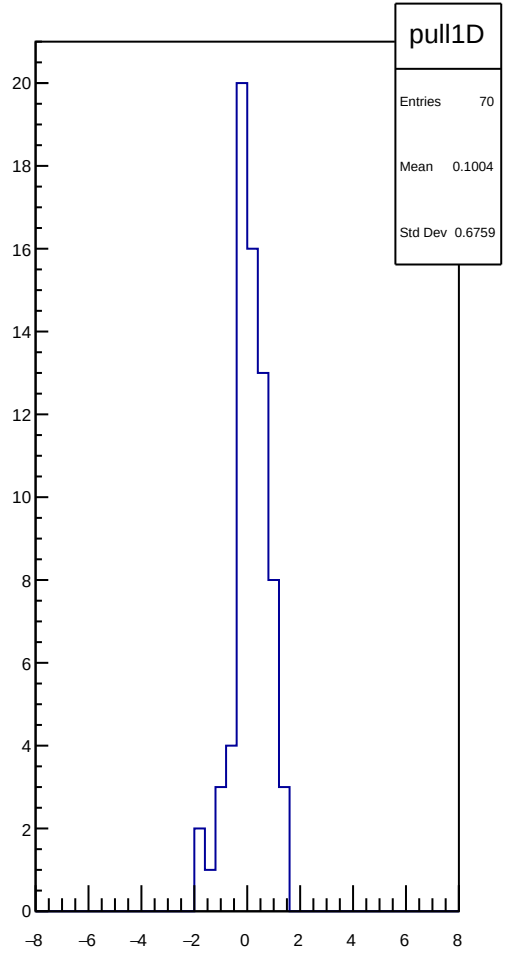

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1457 / 69
p0 12.09 ± 0.1378
pull
Entries 70
Mean 144.3
Std Dev 0
pull1D
Entries 70
Mean −0.6872
Std Dev 4.51

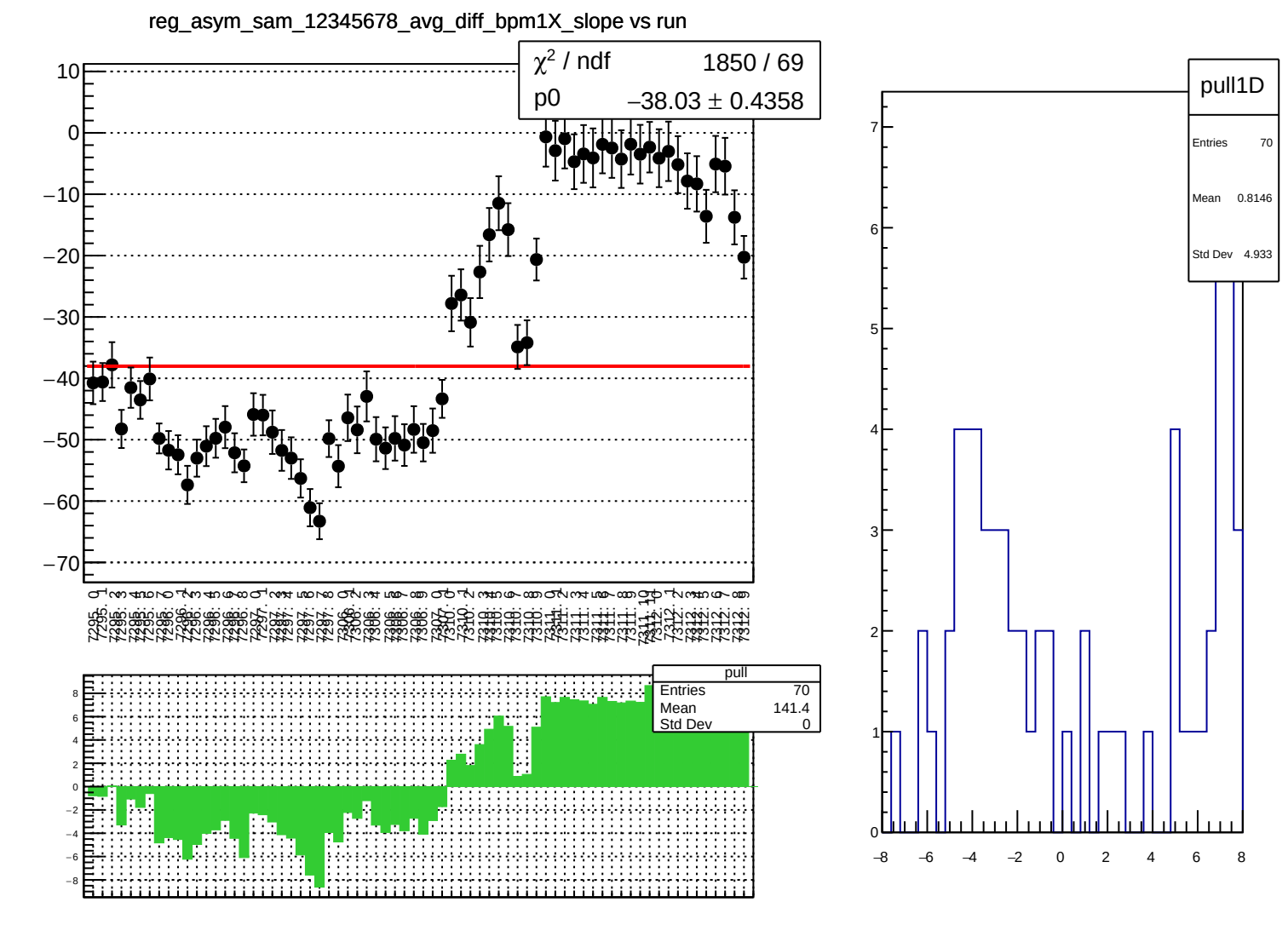

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 354 / 69
p0 −1.861 ± 0.1226
pull
Entries 70
Mean −1250
Std Dev 0
pull1D
Entries 70
Mean −0.0293
Std Dev 2.249

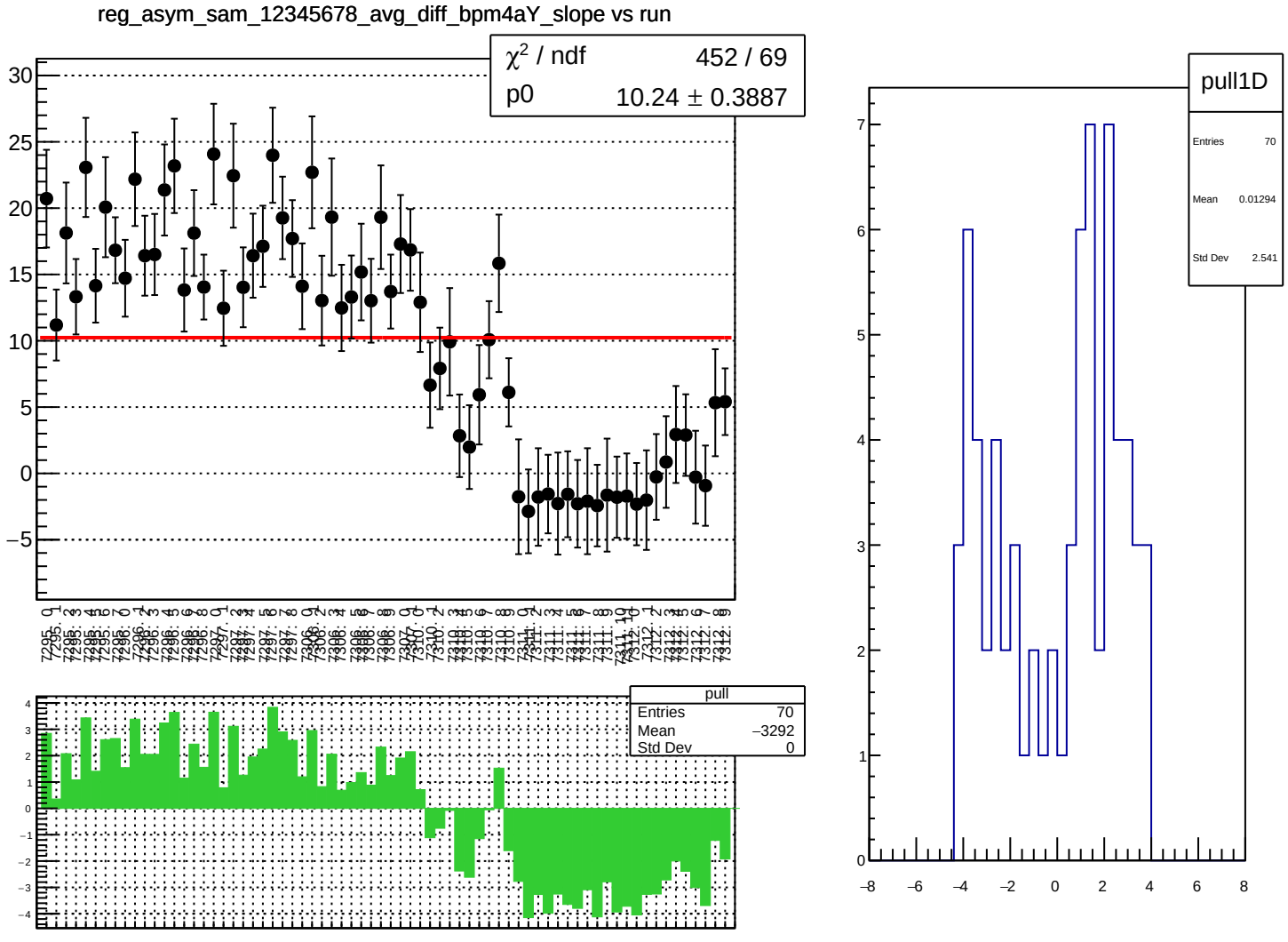

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1134 / 69
p0 6.073 ± 0.1362
pull
Entries 70
Mean 140.3
Std Dev 0
pull1D
Entries 70
Mean 0.6424
Std Dev 3.973

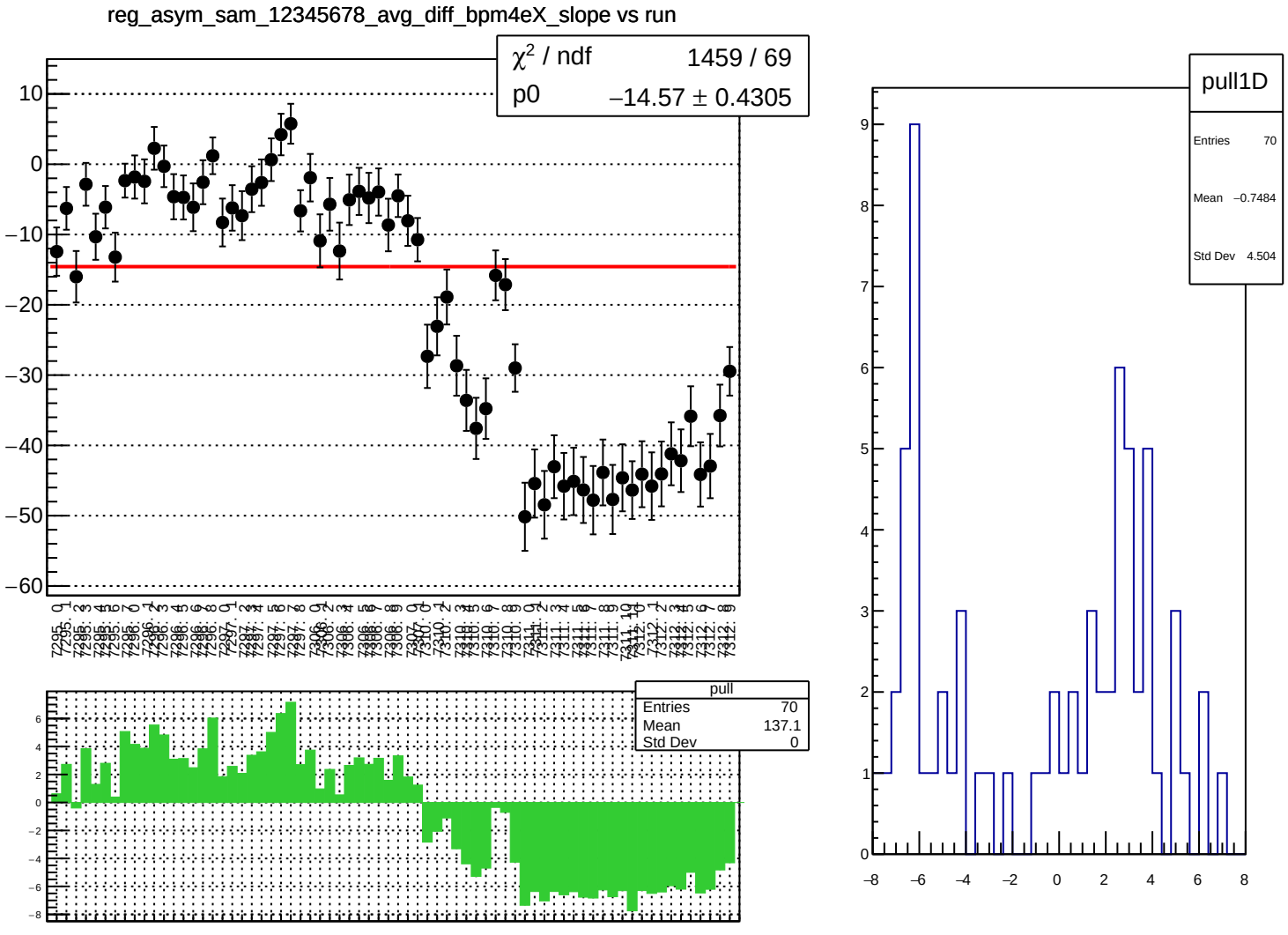

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 226.8 / 69
p0 −4.989 ± 0.1316
pull
Entries 70
Mean −4.784e+04
Std Dev 0
pull1D
Entries 70
Mean 0.0006291
Std Dev 1.8

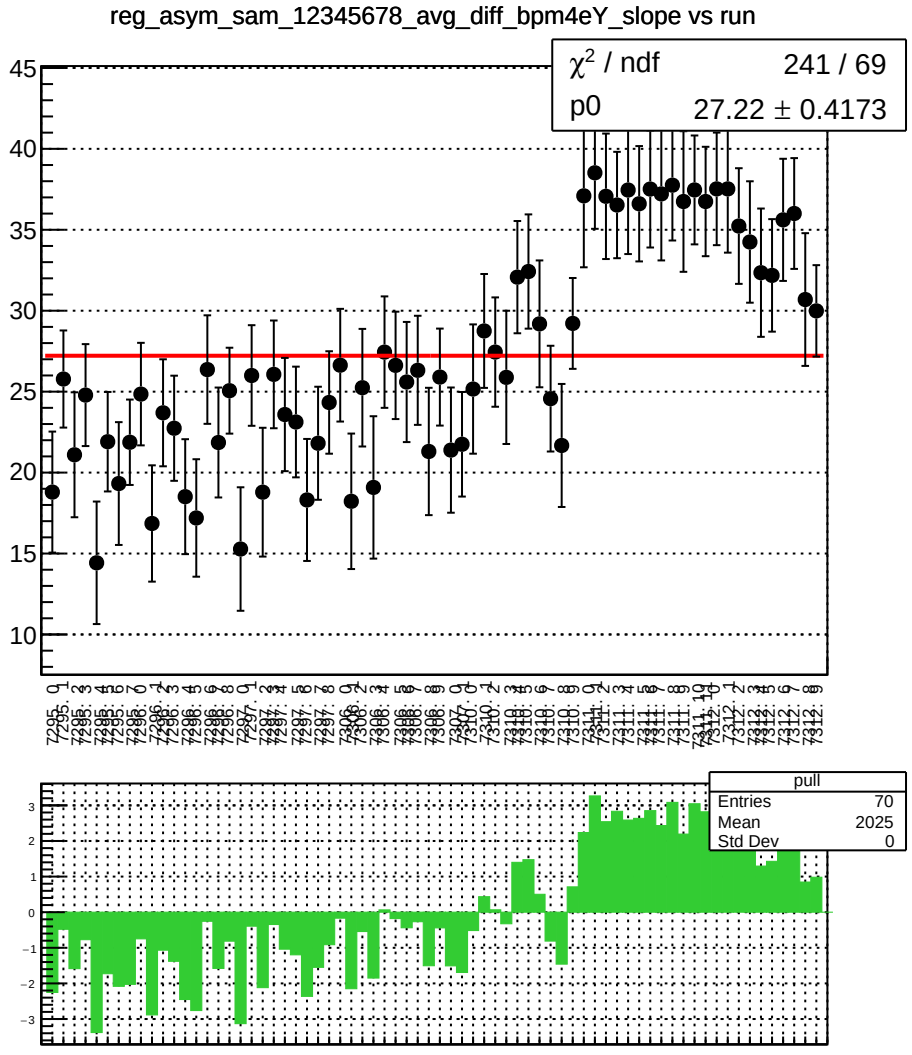

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 32.69 / 69
p0 0.04057 ± 0.005415
0.15
0.1
0.05
0
−0.05
pull
Entries 70
Mean 33.19
Std Dev 22.67
1.5
1
0.5
0
−0.5
−1
−1.5
−2

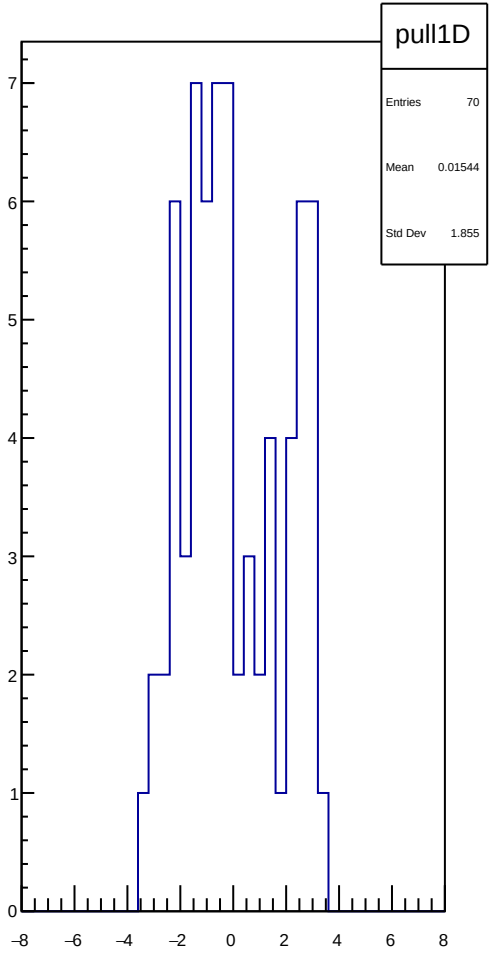

pull1D
Entries 70
Mean 0.1004
Std Dev 0.6759
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

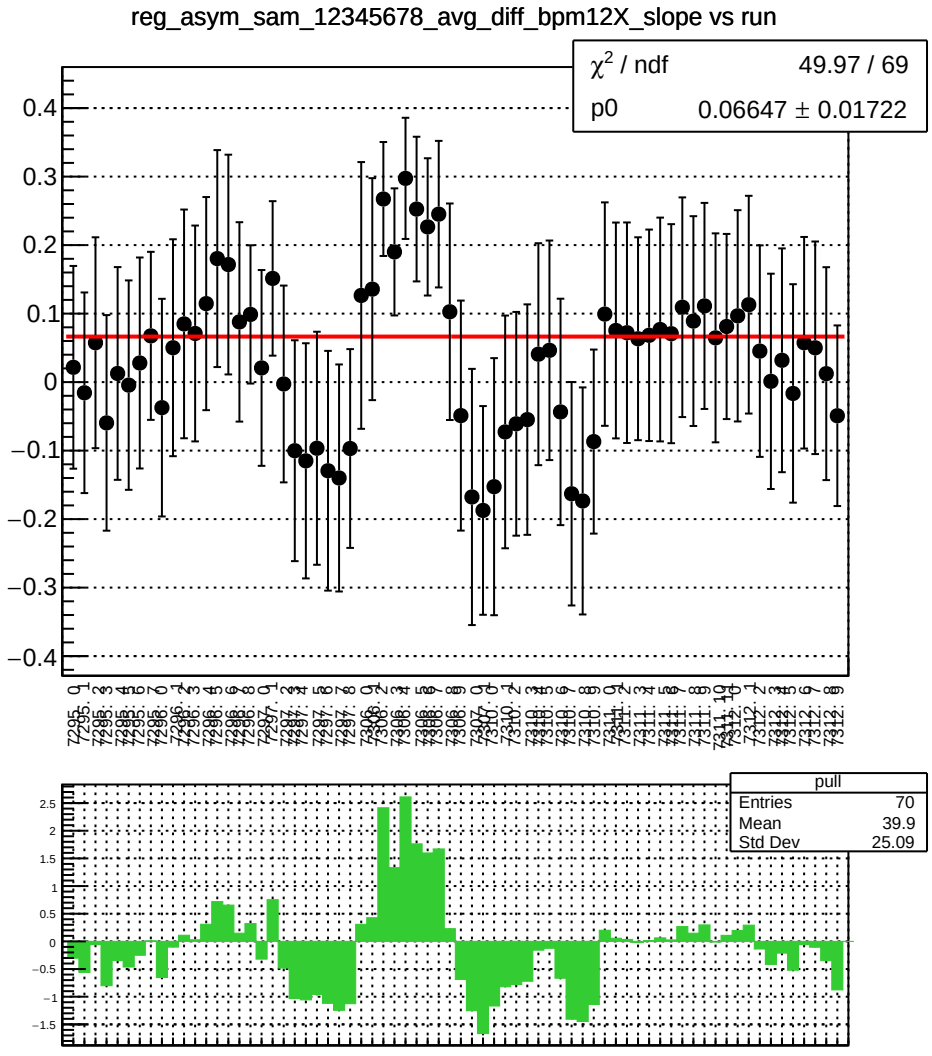

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1850 / 69
p0 −38.03 ± 0.4358
pull
Entries 70
Mean 141.4
Std Dev 0
pull1D
Entries 70
Mean 0.8146
Std Dev 4.933

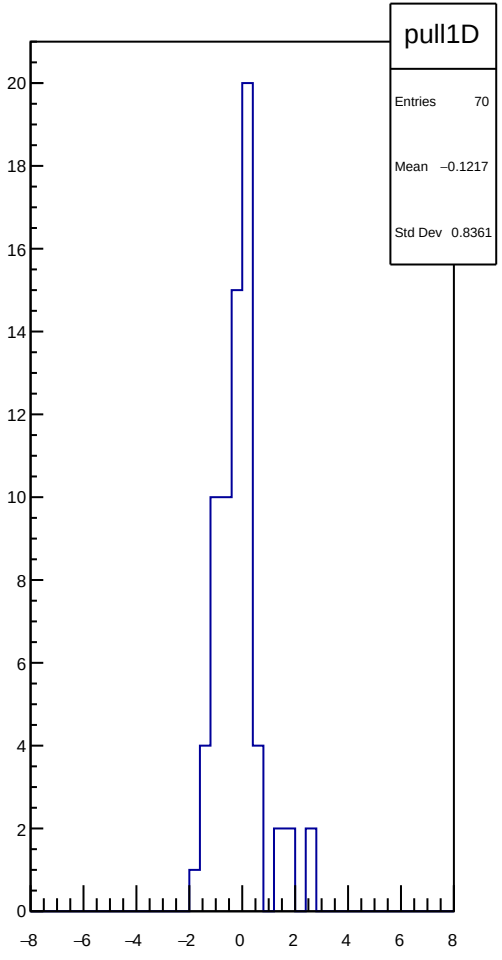

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 452 / 69
p0 10.24 ± 0.3887
pull
Entries 70
Mean −3292
Std Dev 0
pull1D
Entries 70
Mean 0.01294
Std Dev 2.541

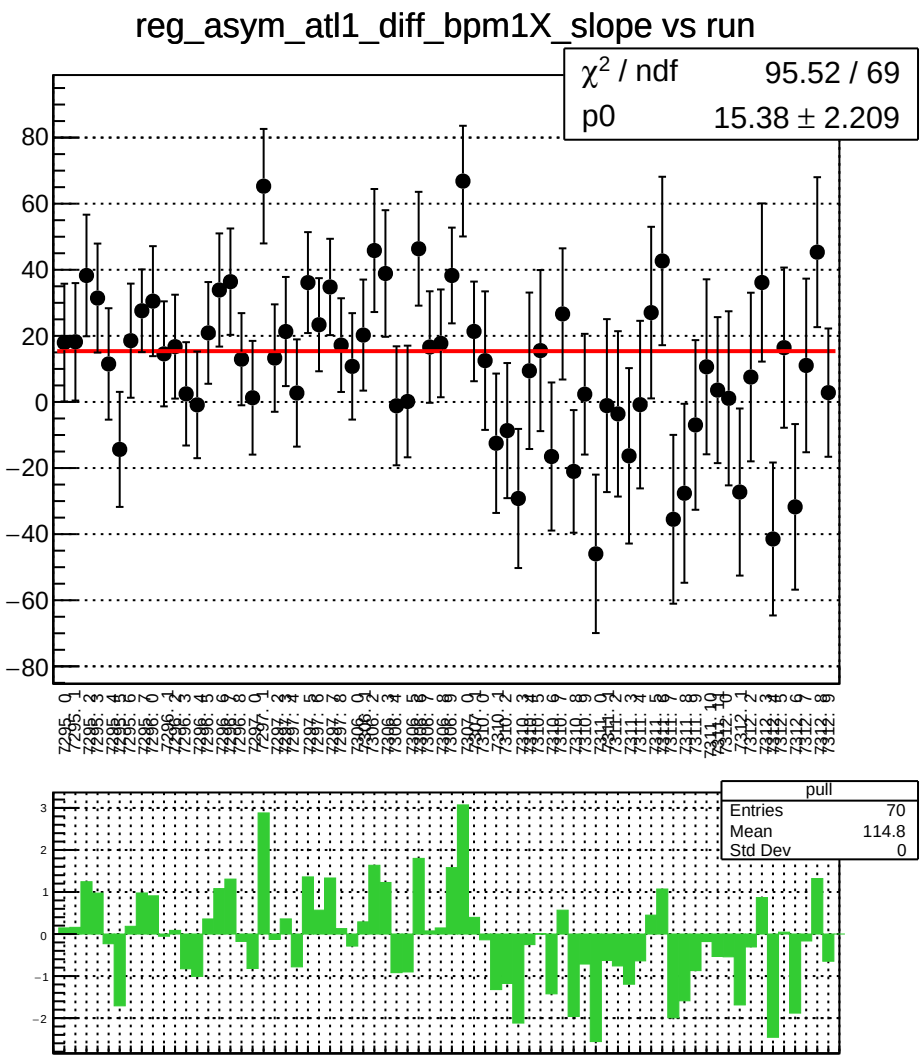

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1459 / 69
p0 −14.57 ± 0.4305
pull
Entries 70
Mean 137.1
Std Dev 0
pull1D
Entries 70
Mean −0.7484
Std Dev 4.504

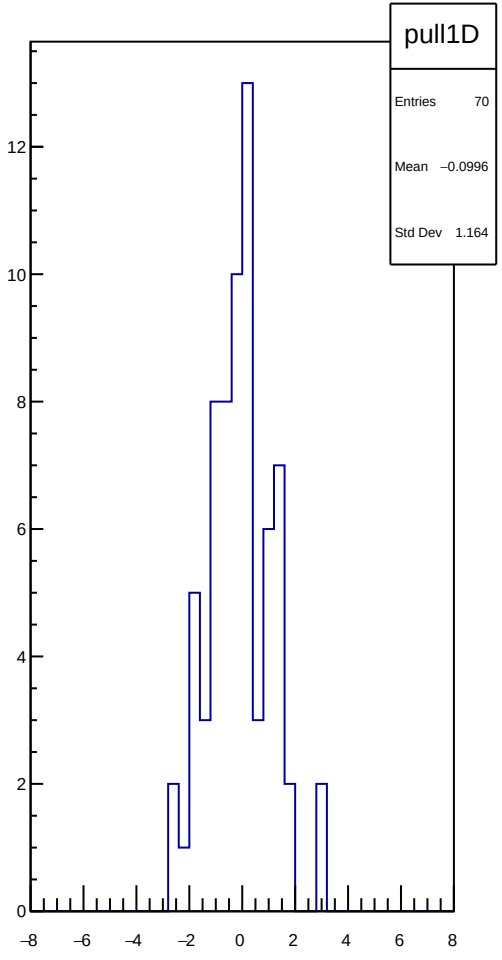

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 241 / 69
p0 27.22 ± 0.4173
pull
Entries 70
Mean 2025
Std Dev 0

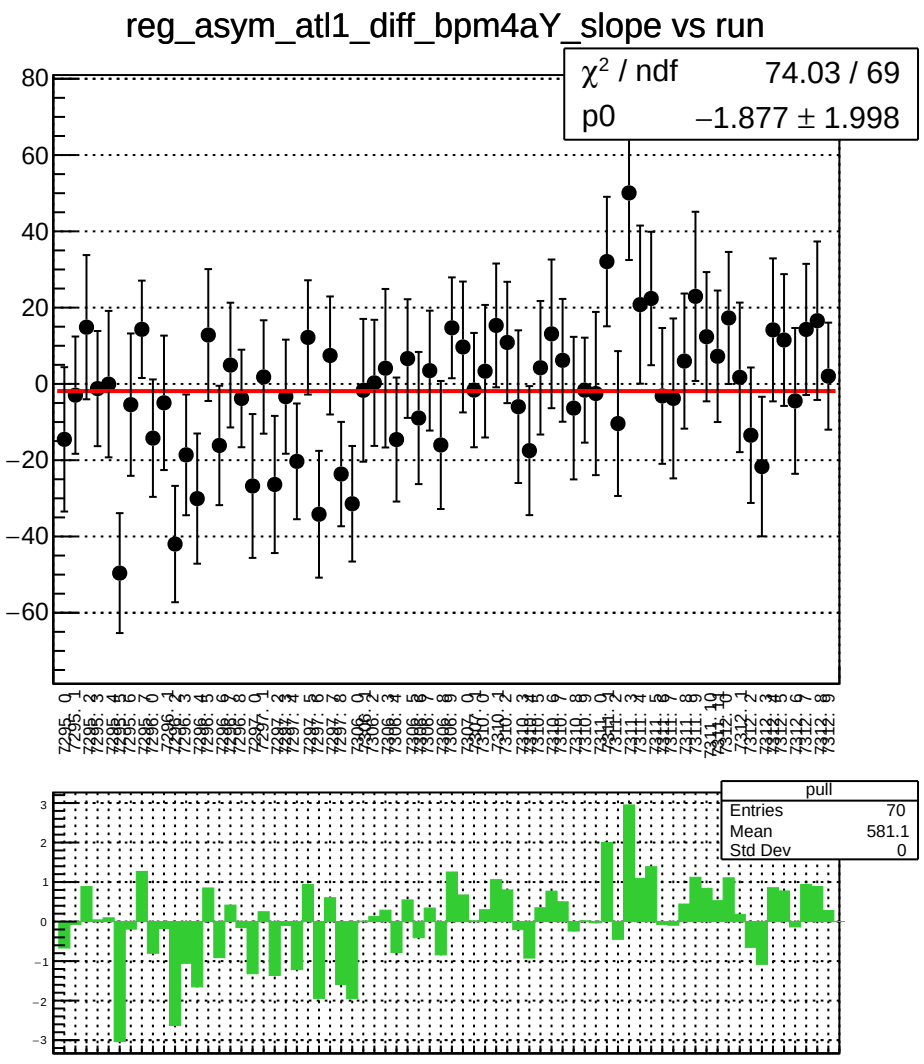

pull1D
Entries 70
Mean 0.01544
Std Dev 1.855

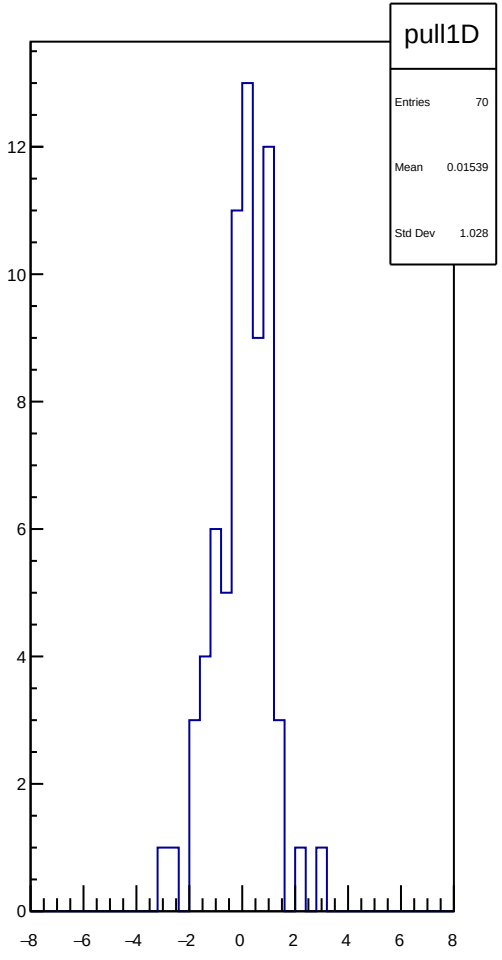

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 49.97 / 69
p0 0.06647 ± 0.01722
pull
Entries 70
Mean 39.9
Std Dev 25.09

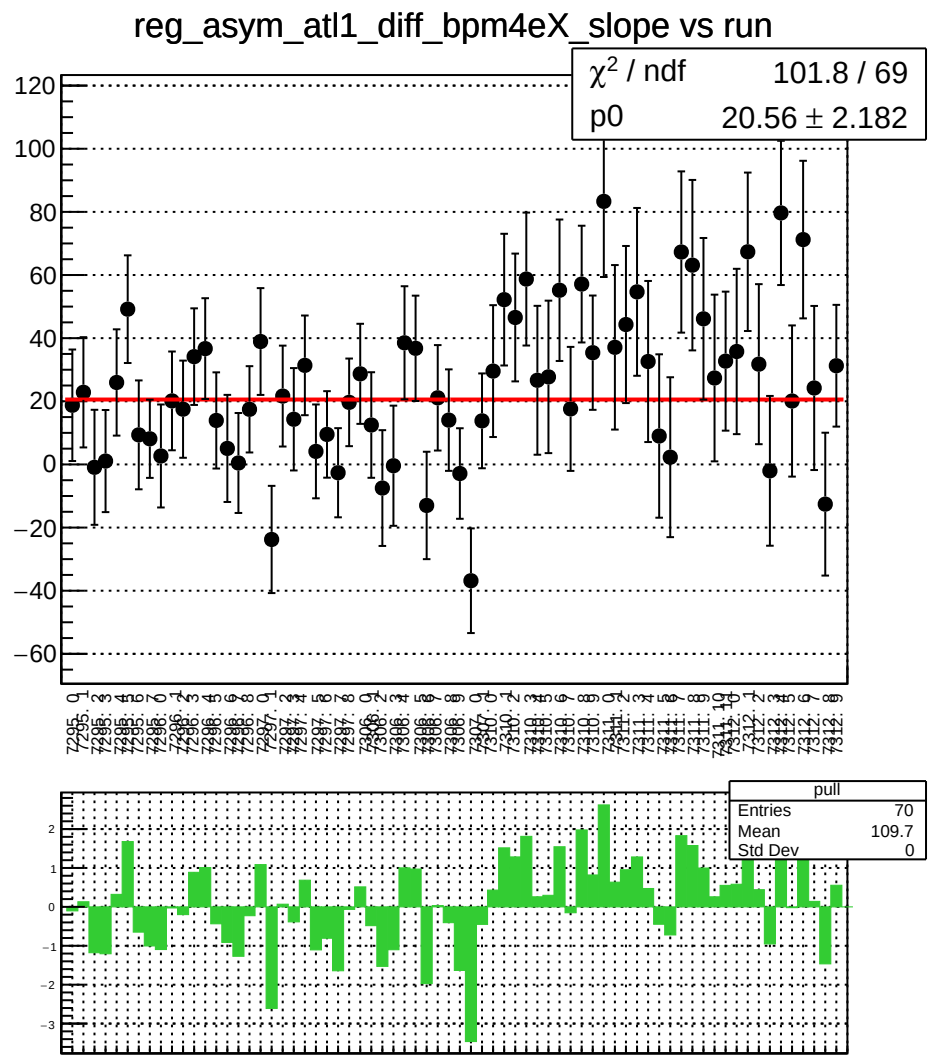

pull1D
Entries 70
Mean −0.1217
Std Dev 0.8361

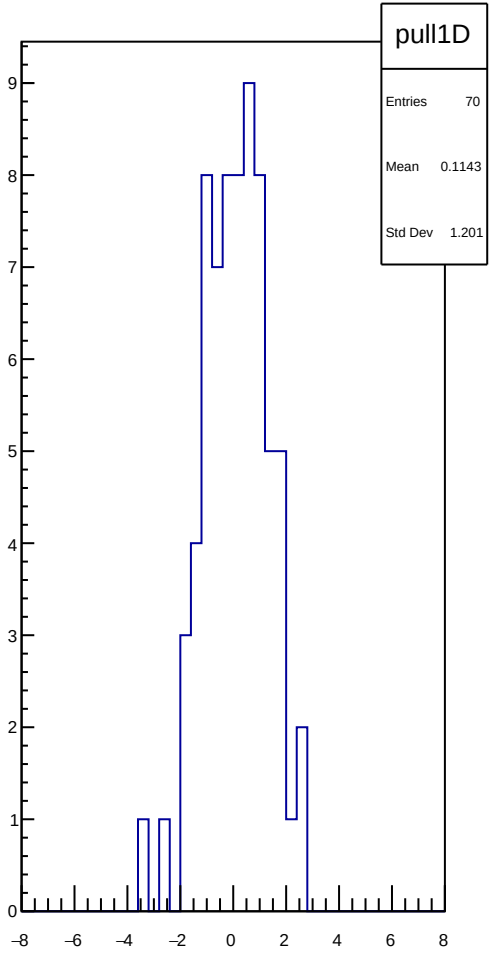

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 95.52 / 69
p0 15.38 ± 2.209
pull
Entries 70
Mean 114.8
Std Dev 0

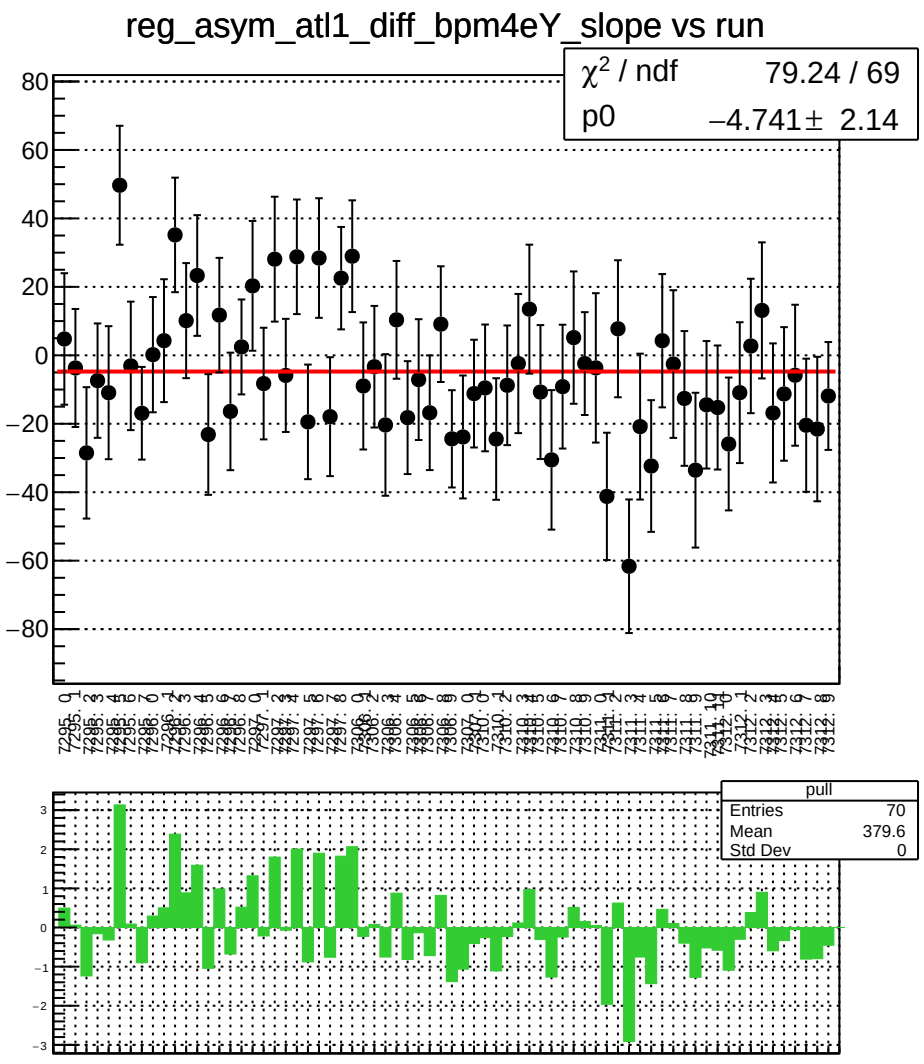

pull1D
Entries 70
Mean −0.0996
Std Dev 1.164

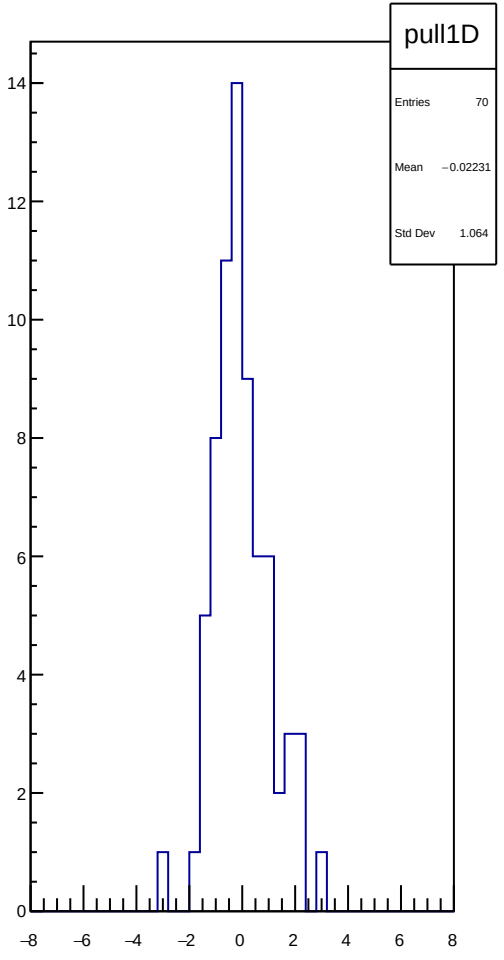

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 74.03 / 69
p0 −1.877 ± 1.998
pull
Entries 70
Mean 581.1
Std Dev 0

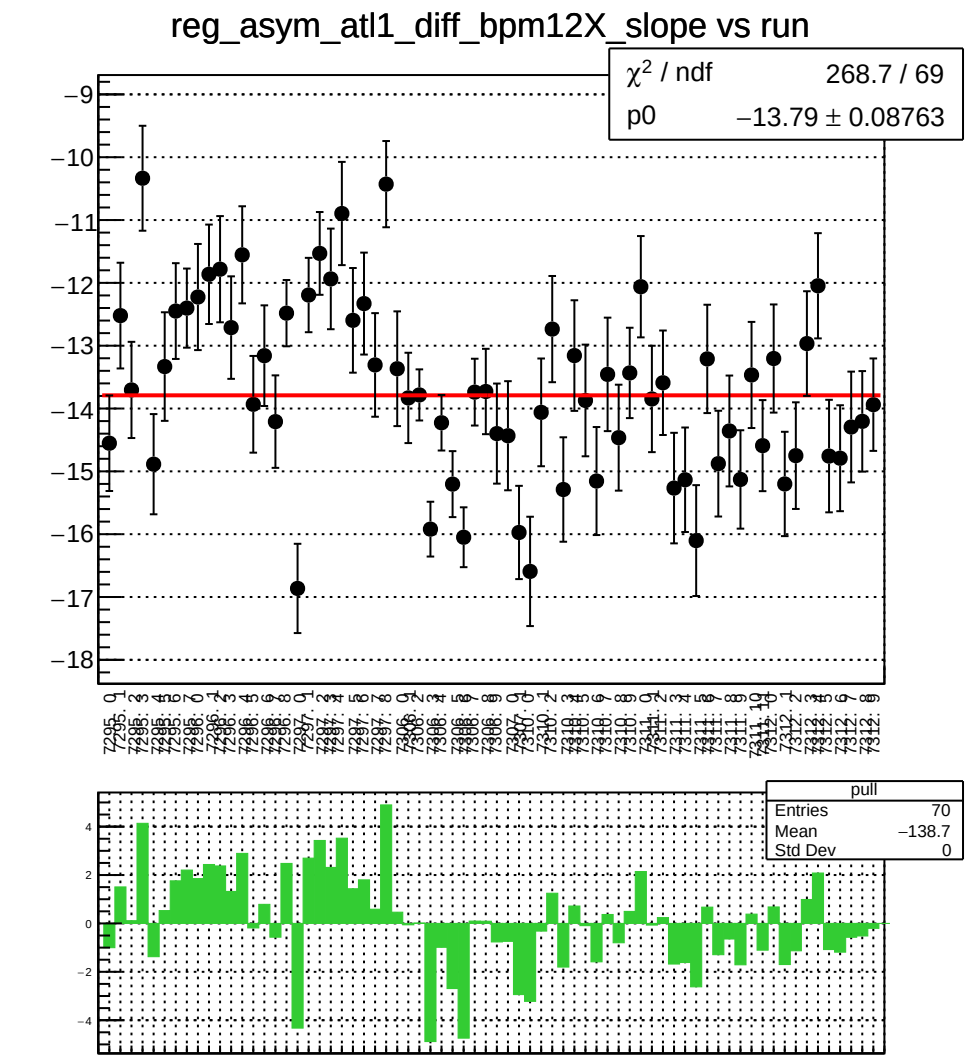

pull1D
Entries 70
Mean 0.01539
Std Dev 1.028

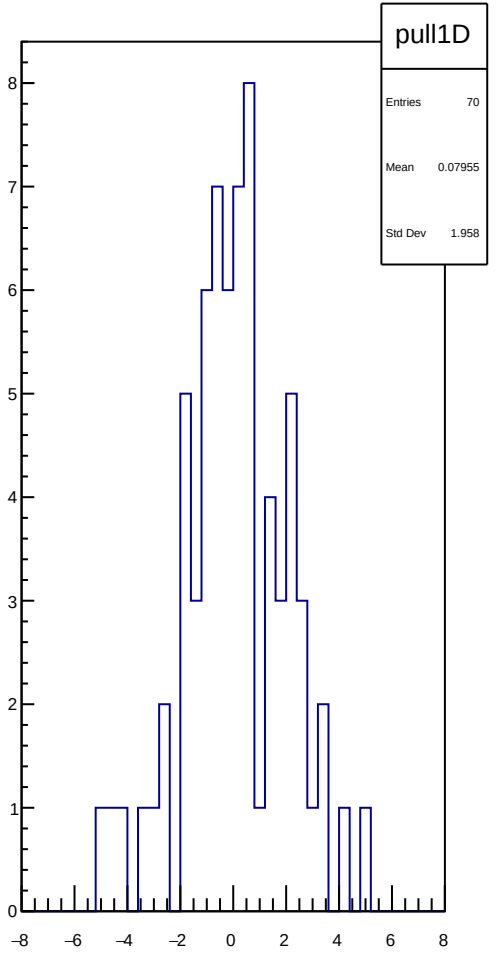

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 101.8 / 69
p0 20.56 ± 2.182
pull
Entries 70
Mean 109.7
Std Dev 0

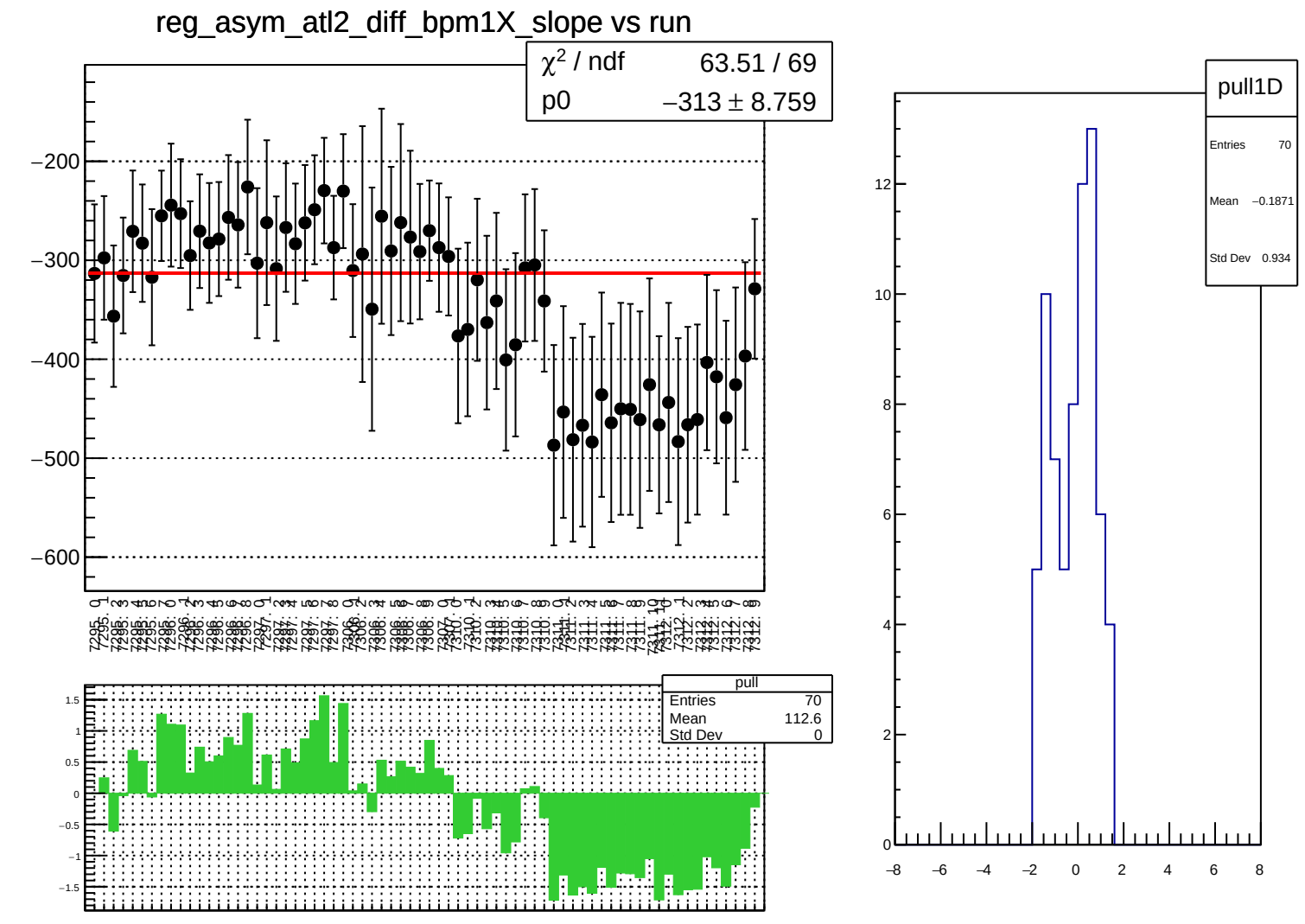

pull1D
Entries 70
Mean 0.1143
Std Dev 1.201

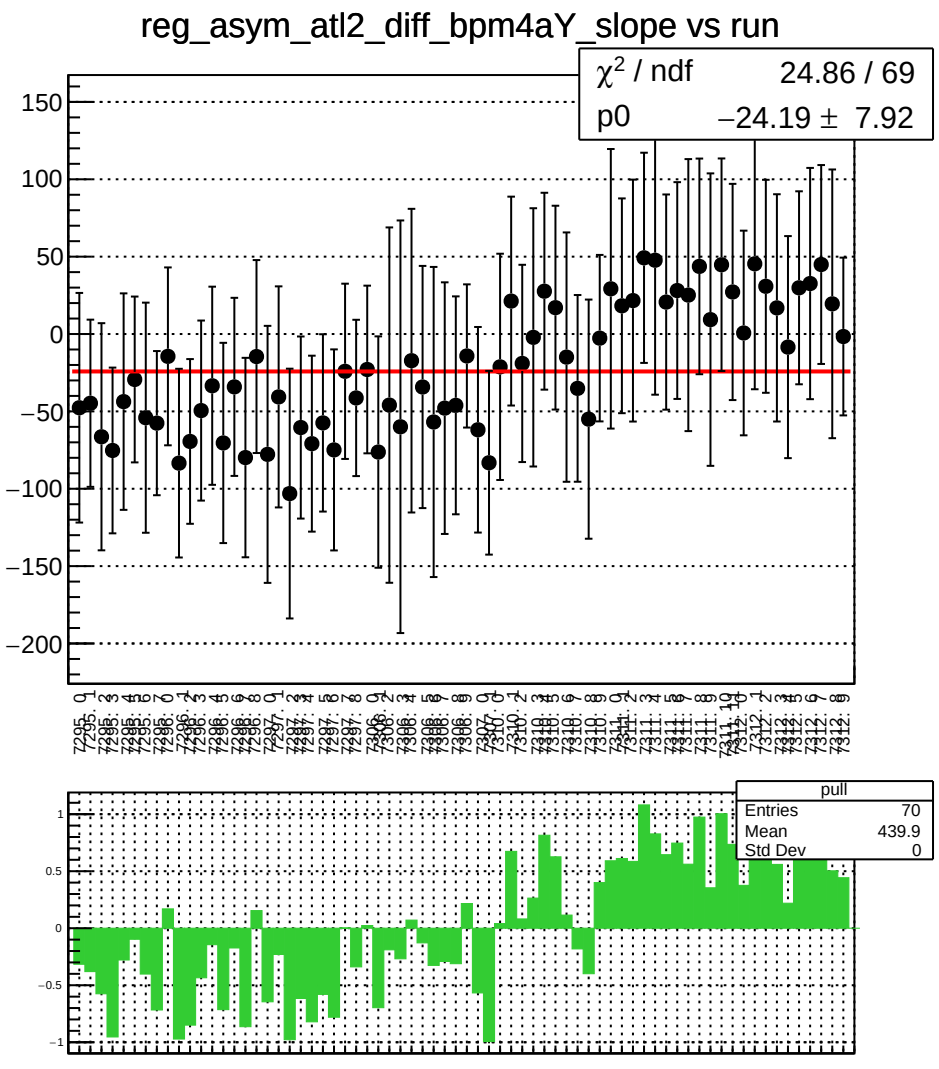

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 79.24 / 69
p0 −4.741 ± 2.14
pull
Entries 70
Mean 379.6
Std Dev 0

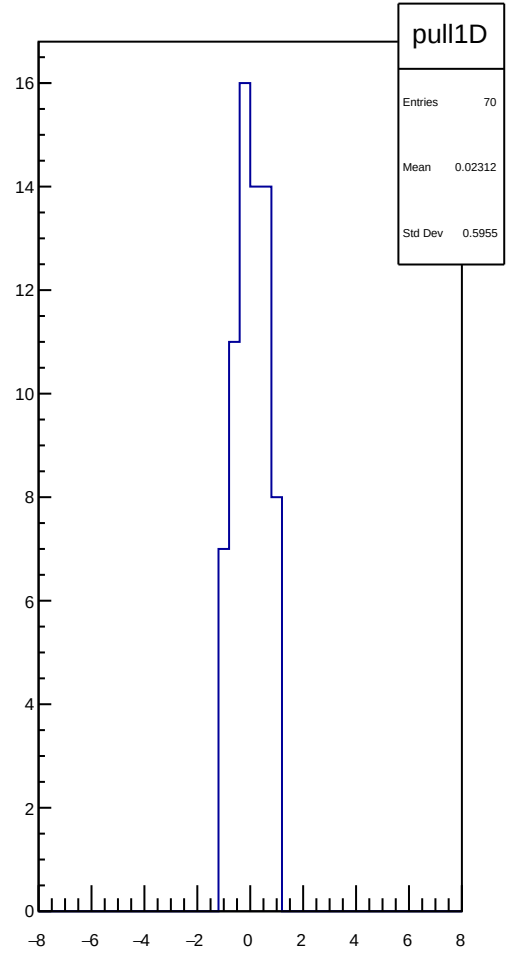

pull1D
Entries 70
Mean −0.02231
Std Dev 1.064

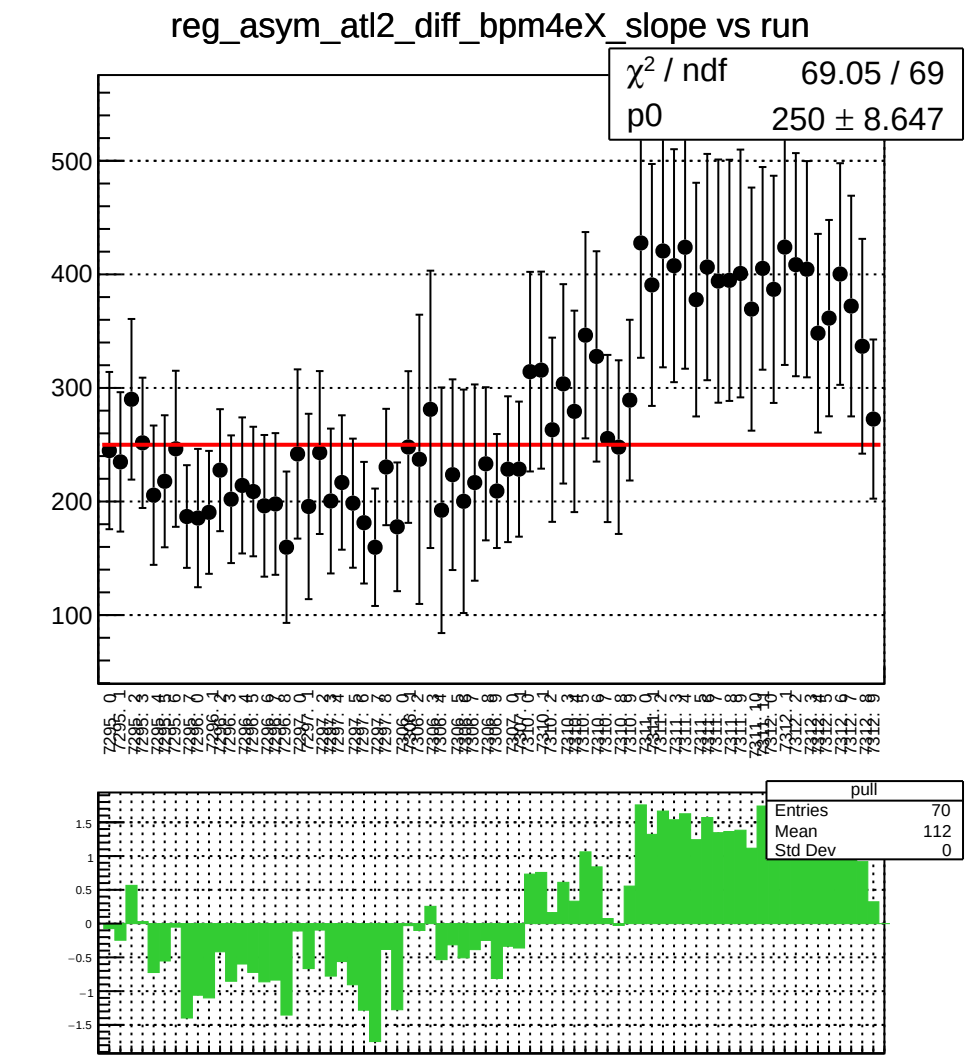

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 268.7 / 69
p0 −13.79 ± 0.08763
pull
Entries 70
Mean −138.7
Std Dev 0

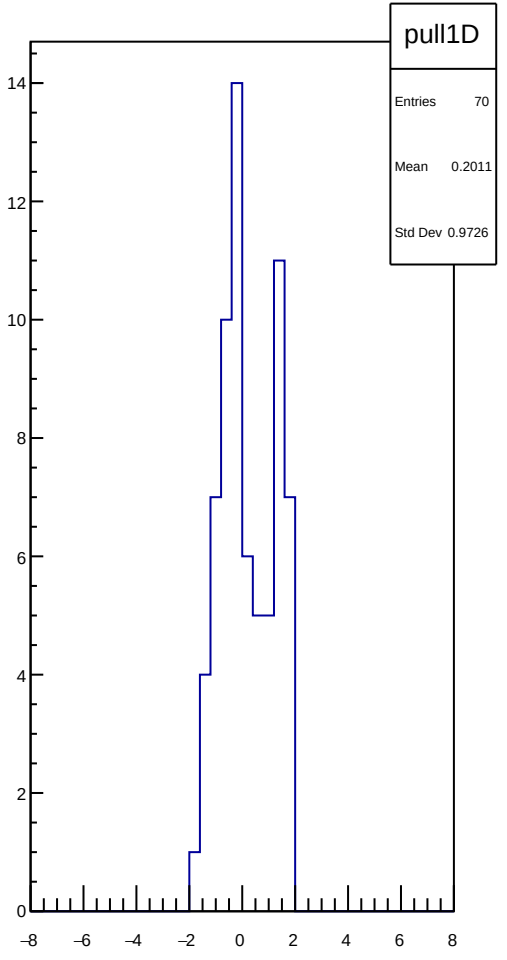

pull1D
Entries 70
Mean 0.07955
Std Dev 1.958

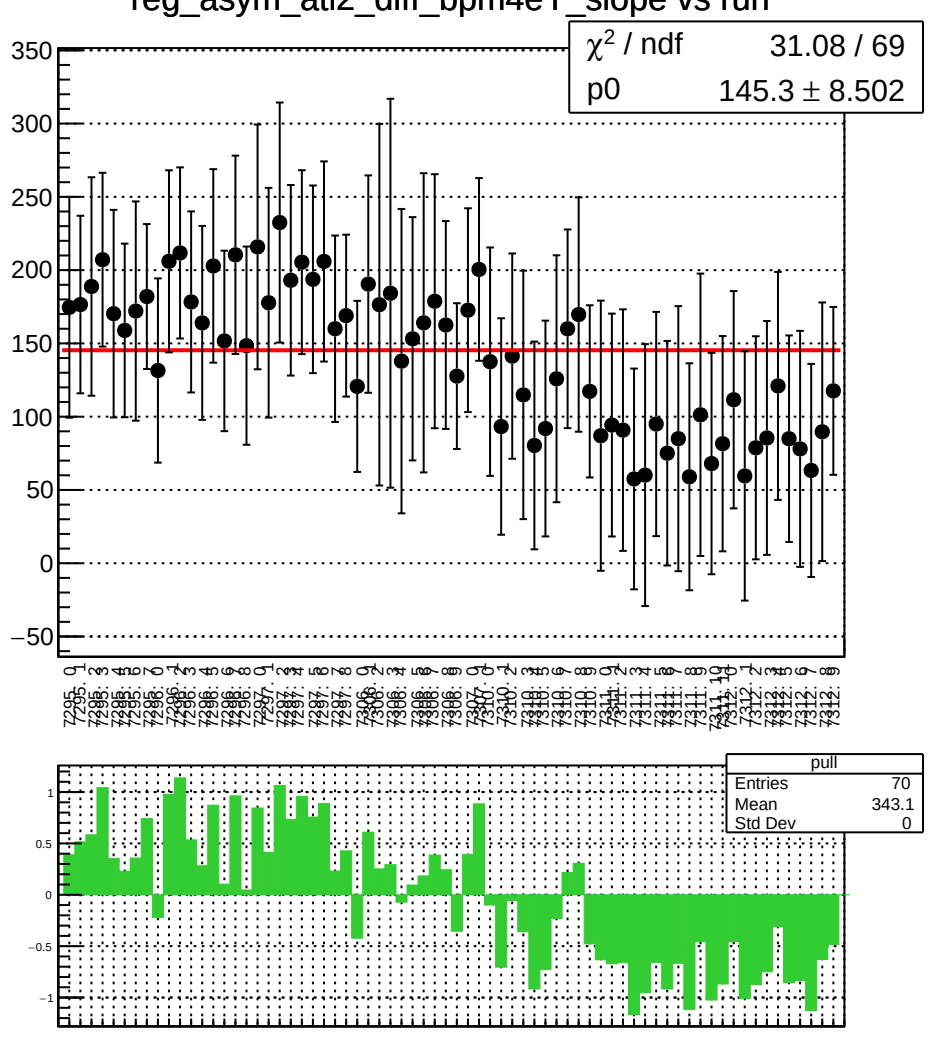

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 63.51 / 69
p0 −313 ± 8.759
−200
−300
−400
−500
−600
pull
Entries 70
Mean 112.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 70
Mean −0.1871
Std Dev 0.934
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

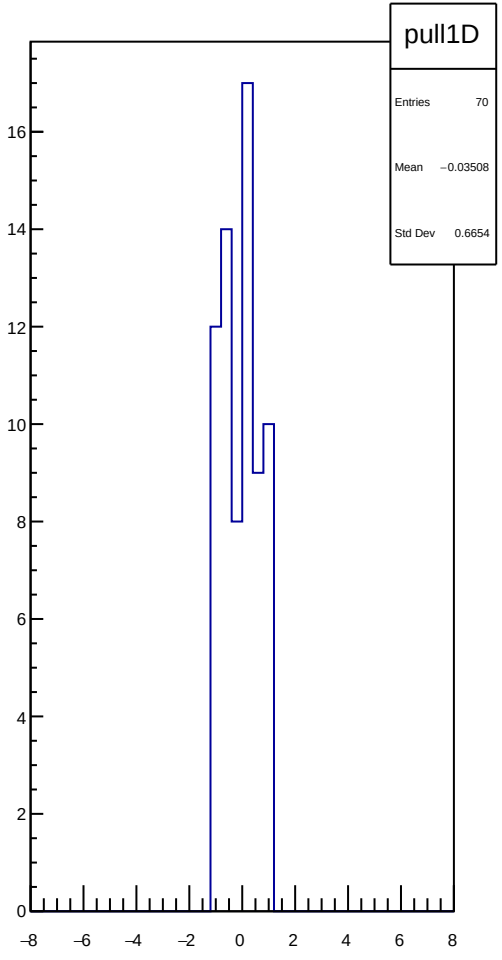

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 24.86 / 69
p0 −24.19 ± 7.92
pull
Entries 70
Mean 439.9
Std Dev 0

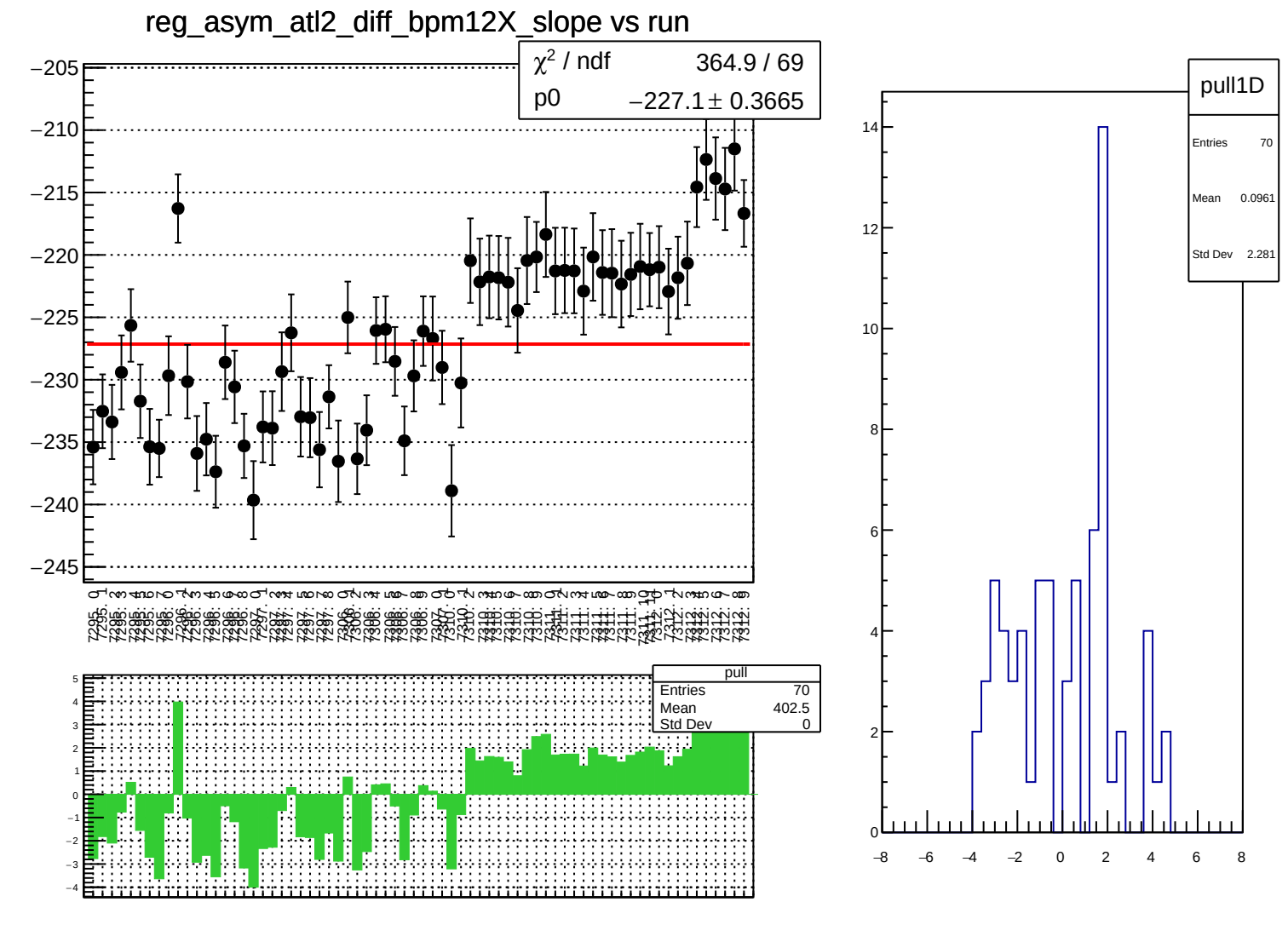

pull1D
Entries 70
Mean 0.02312
Std Dev 0.5955

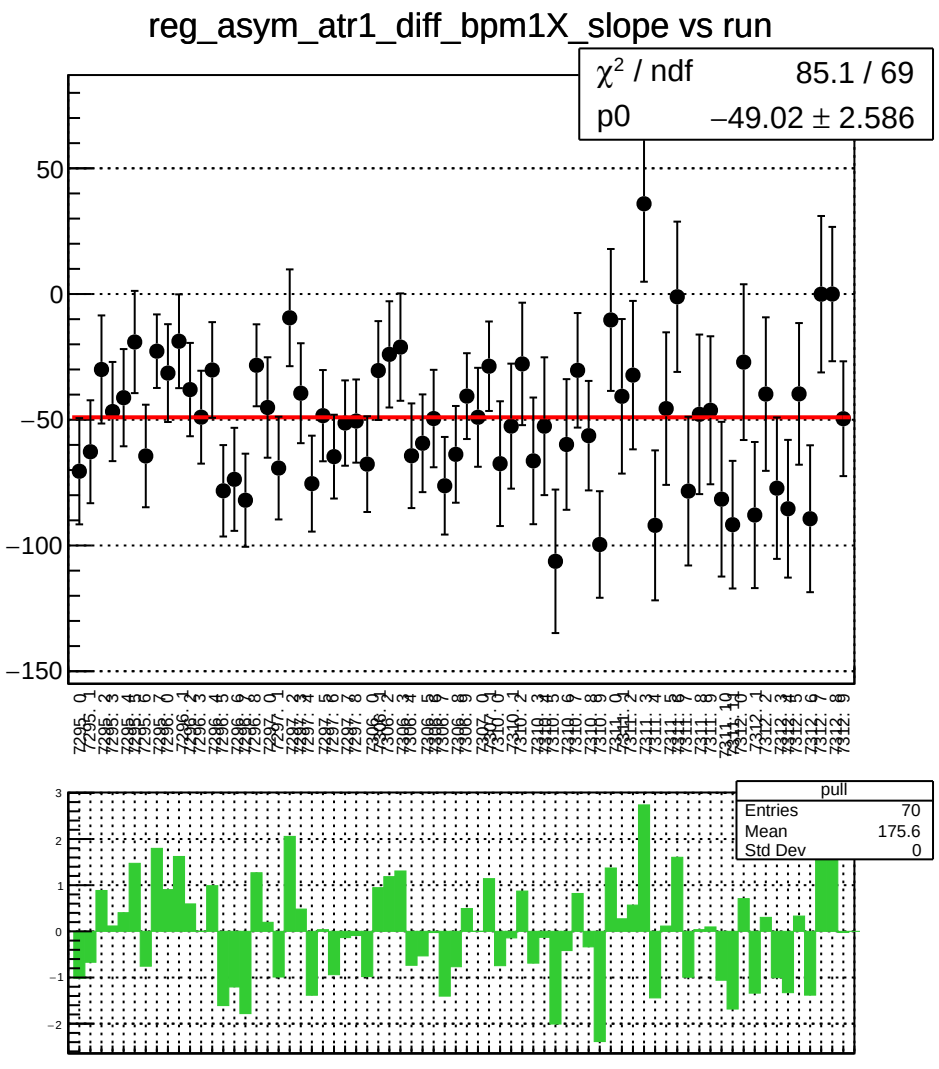

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 69.05 / 69
p0 250 ± 8.647
500
400
300
200
100
pull
Entries 70
Mean 112
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

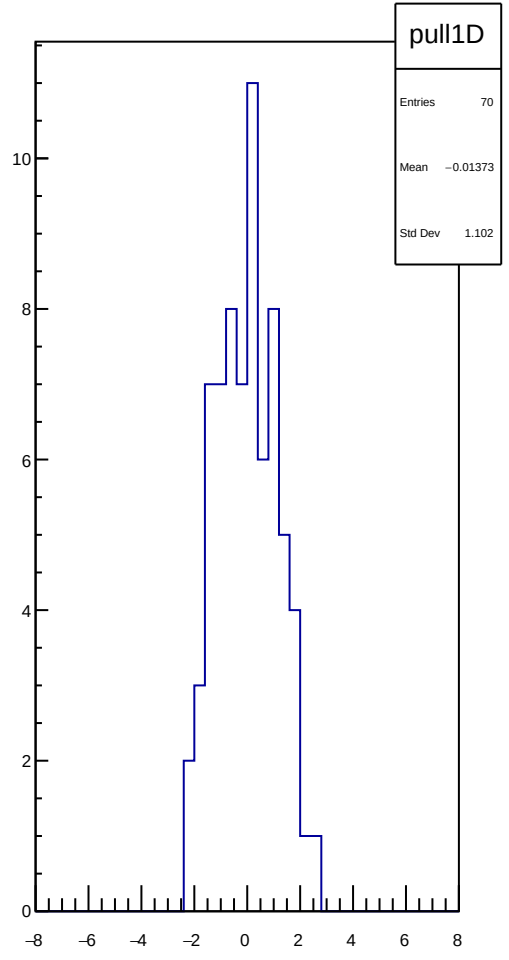

pull1D
Entries 70
Mean 0.2011
Std Dev 0.9726
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

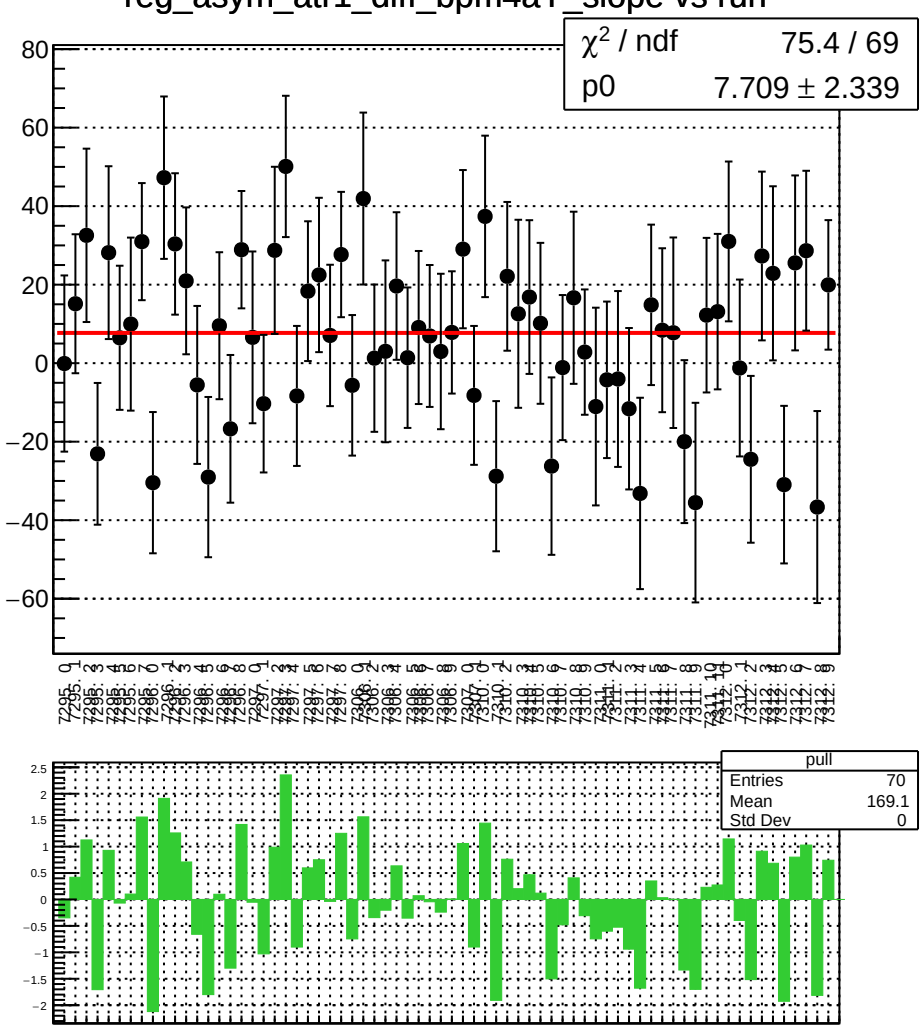

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 31.08 / 69
p0 145.3 ± 8.502
pull
Entries 70
Mean 343.1
Std Dev 0

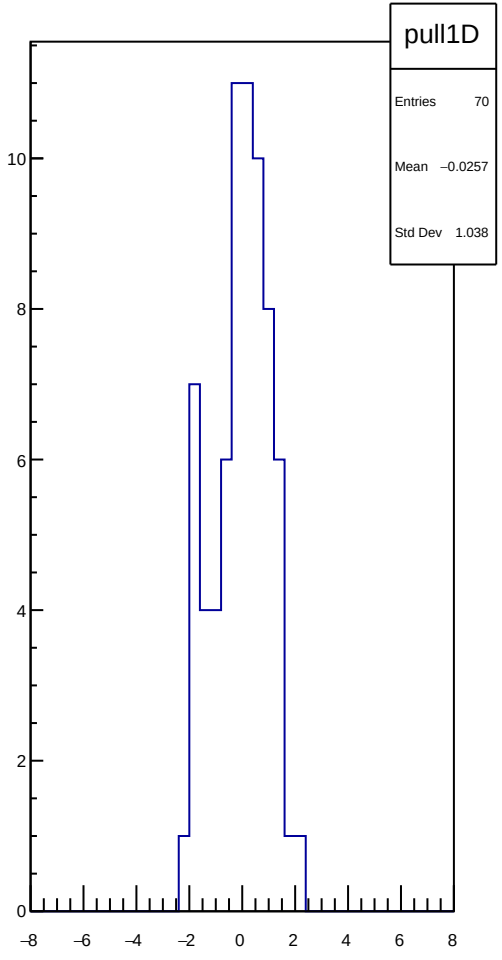

pull1D
Entries 70
Mean −0.03508
Std Dev 0.6654

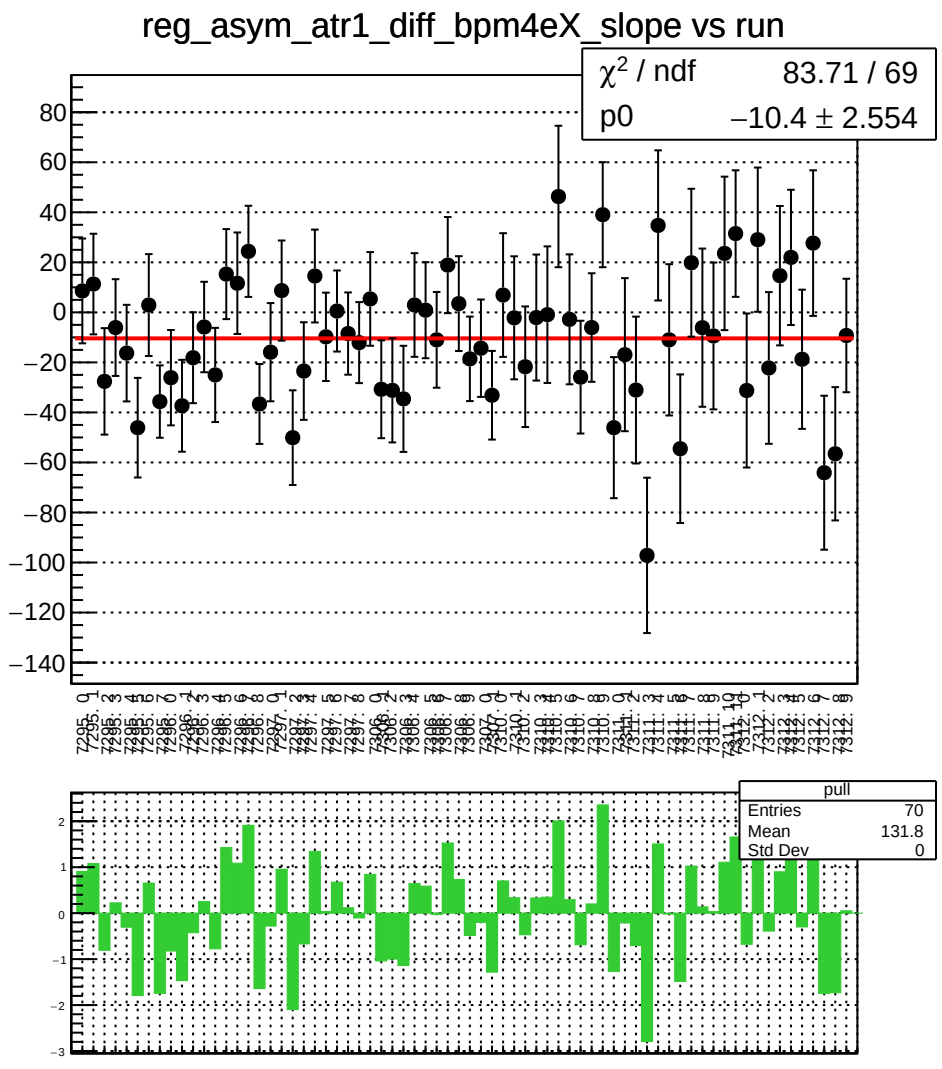

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 364.9 / 69
p0 −227.1 ± 0.3665
pull
Entries 70
Mean 402.5
Std Dev 0
pull1D
Entries 70
Mean 0.0961
Std Dev 2.281

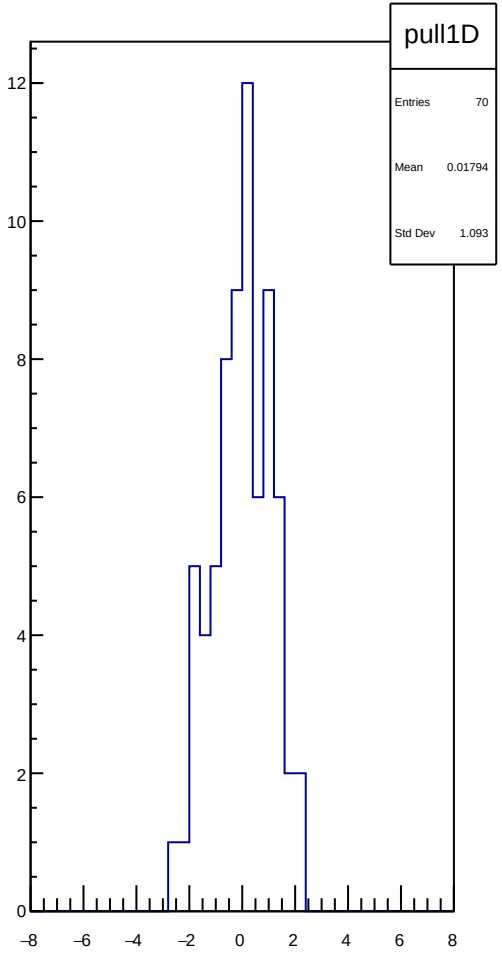

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 85.1 / 69
p0 −49.02 ± 2.586
50
0
−50
−100
−150
pull
Entries 70
Mean 175.6
Std Dev 0
3
2
1
0
−1
−2

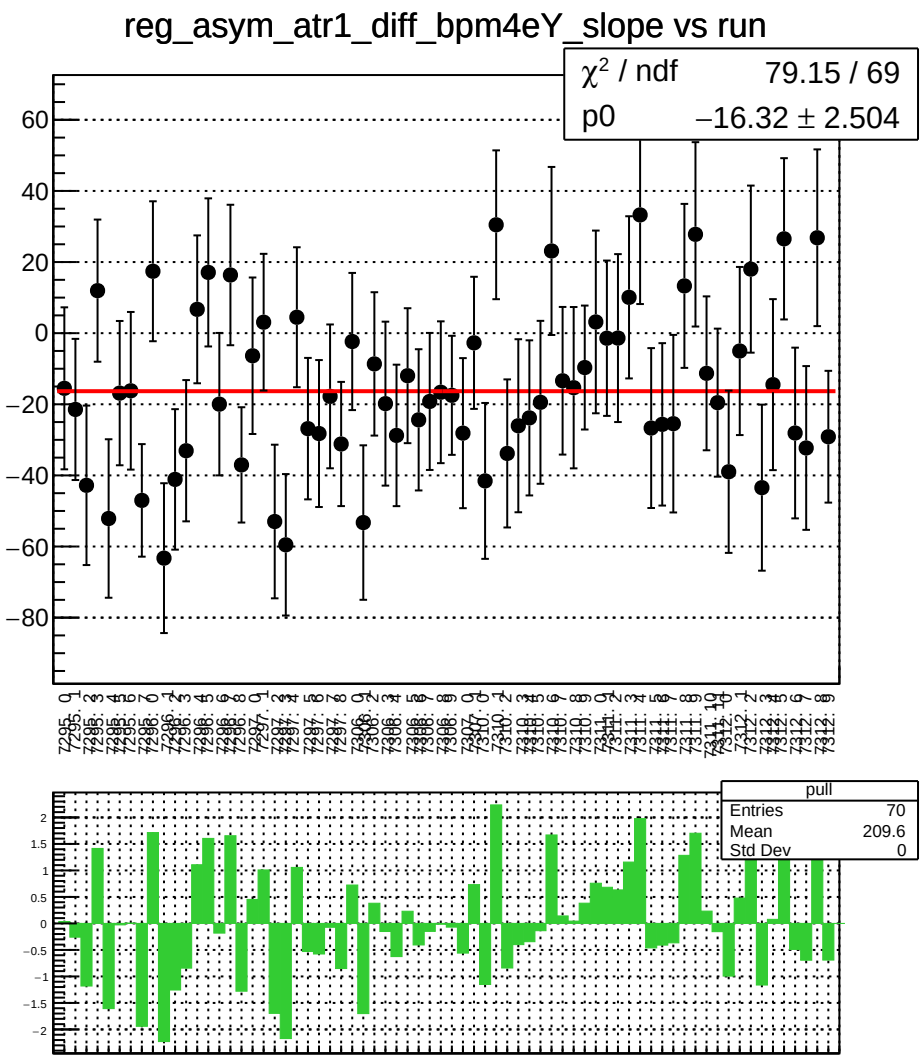

pull1D
Entries 70
Mean −0.01373
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

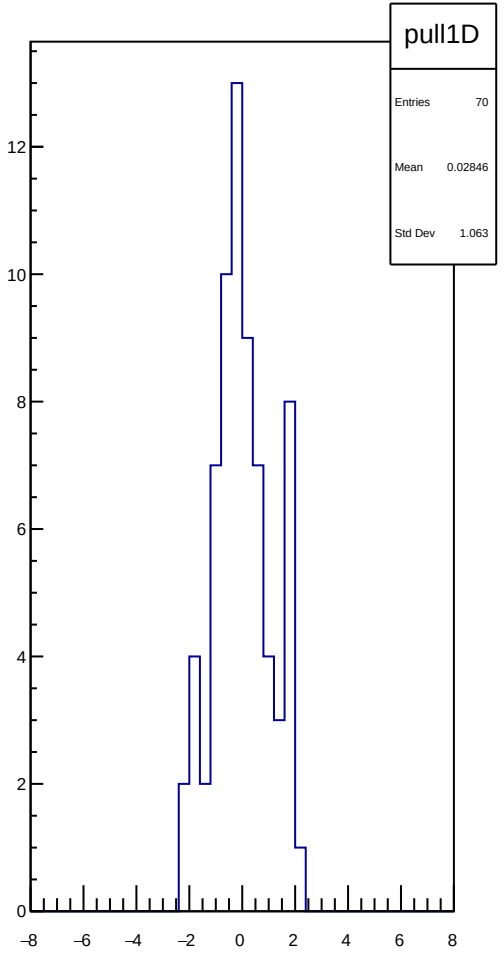

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 75.4 / 69
p0 7.709 ± 2.339
pull
Entries 70
Mean 169.1
Std Dev 0

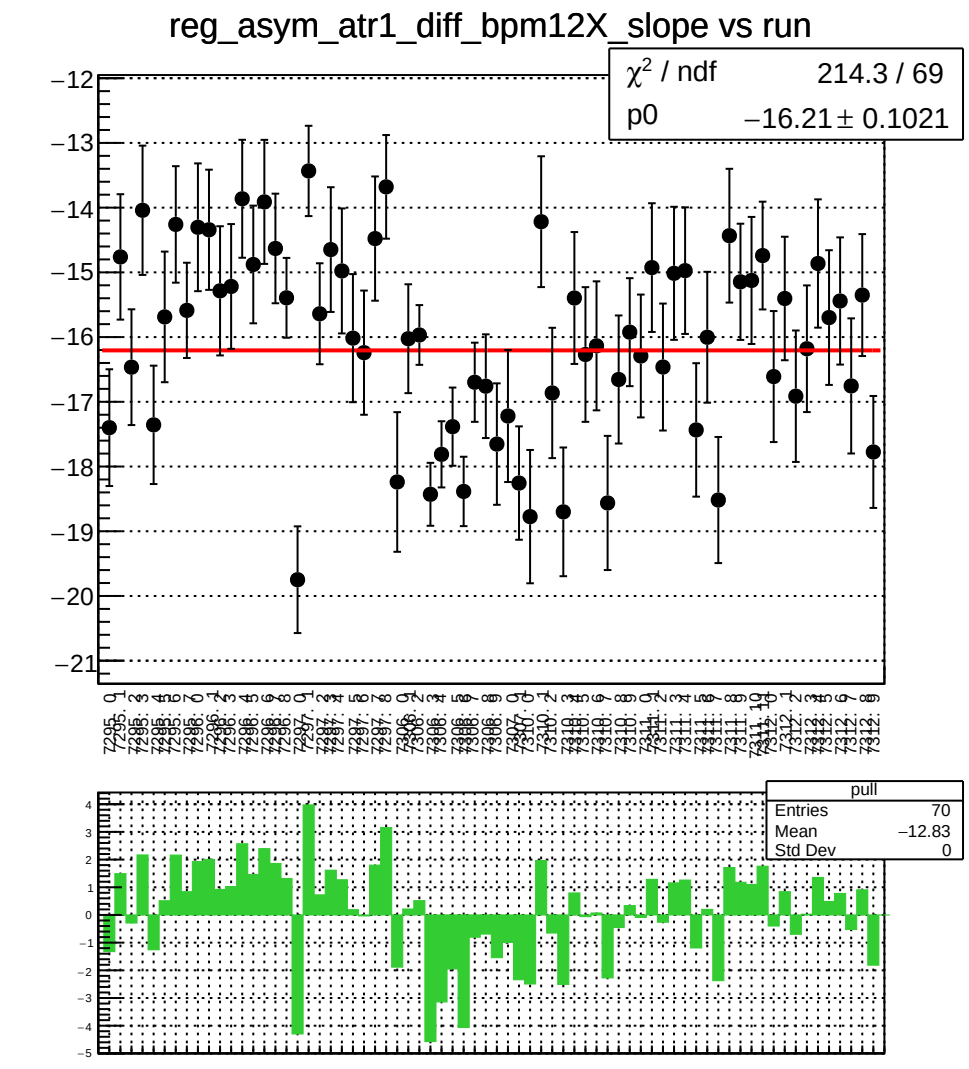

pull1D
Entries 70
Mean −0.0257
Std Dev 1.038

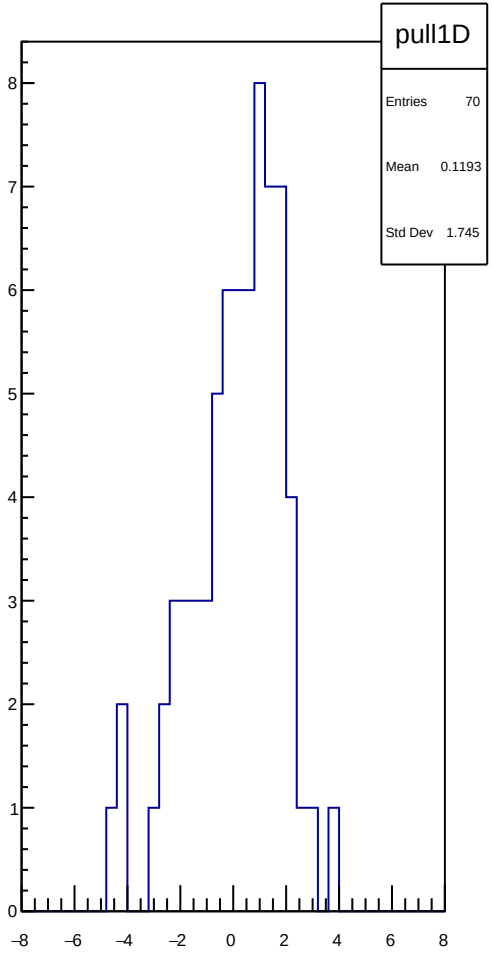

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 83.71 / 69
p0 −10.4 ± 2.554
pull
Entries 70
Mean 131.8
Std Dev 0

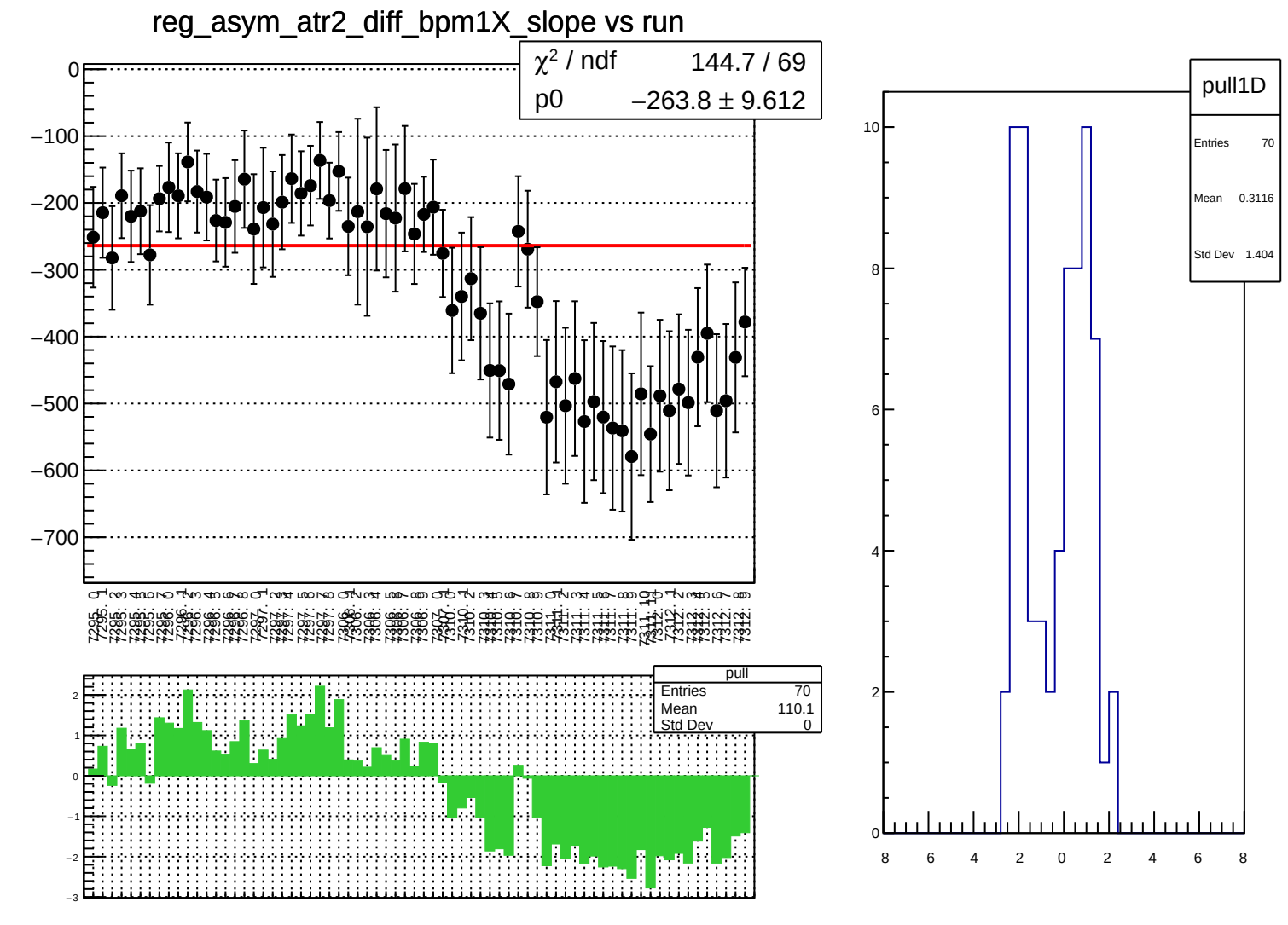

pull1D
Entries 70
Mean 0.01794
Std Dev 1.093

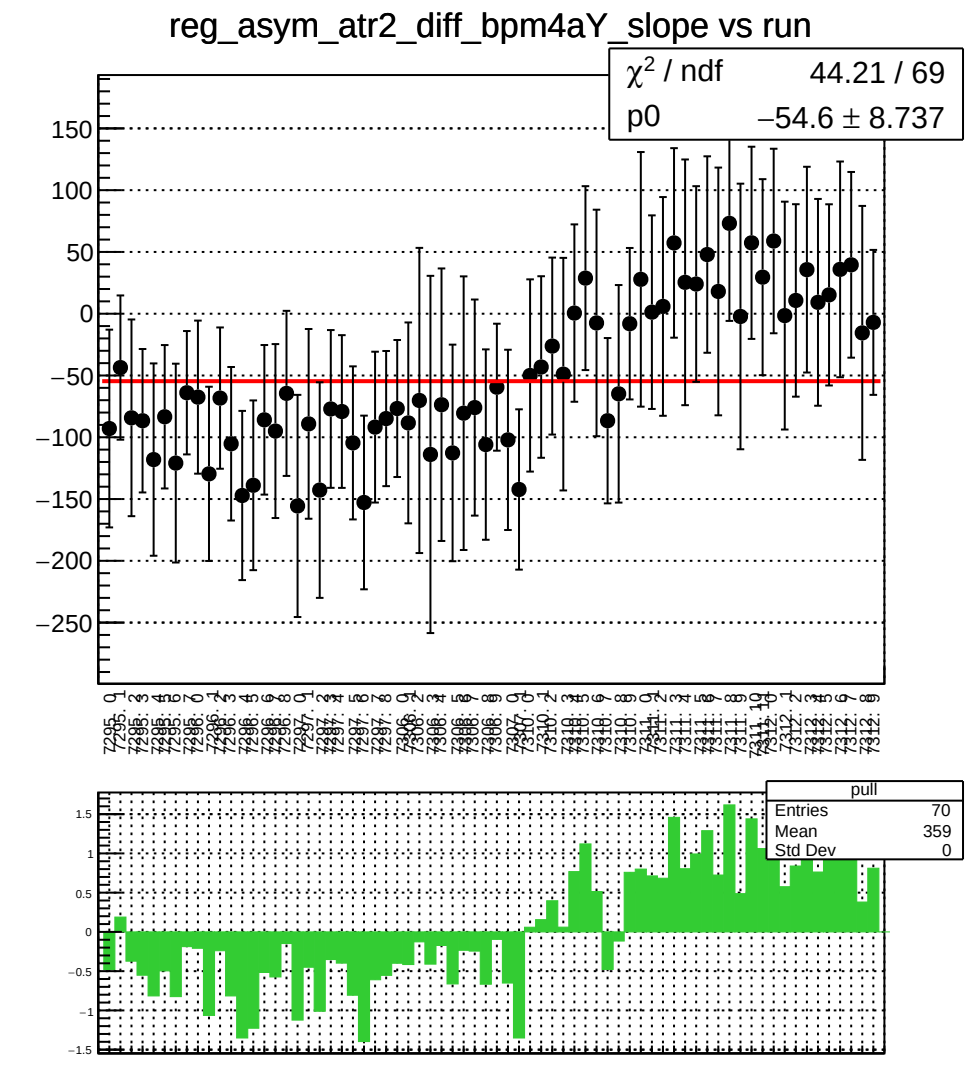

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 79.15 / 69
p0 −16.32 ± 2.504
pull
Entries 70
Mean 209.6
Std Dev 0

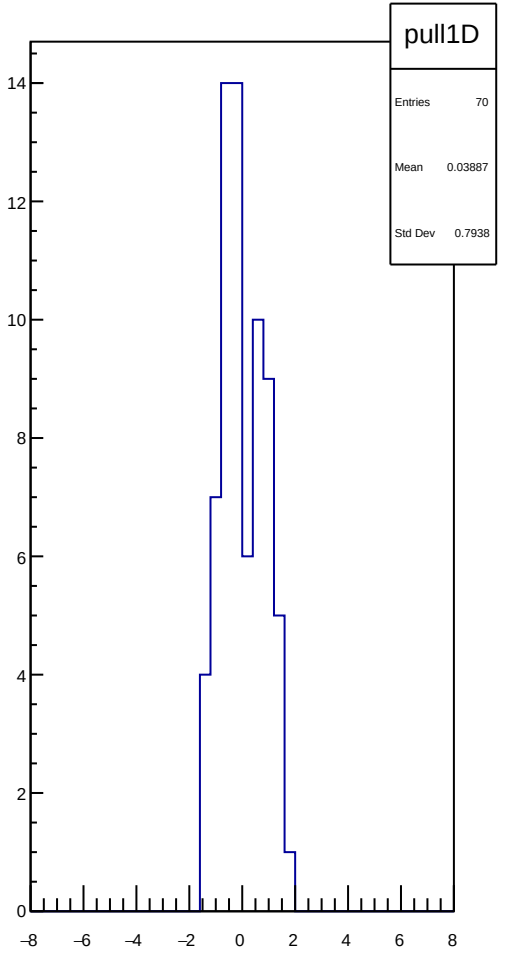

pull1D
Entries 70
Mean 0.02846
Std Dev 1.063

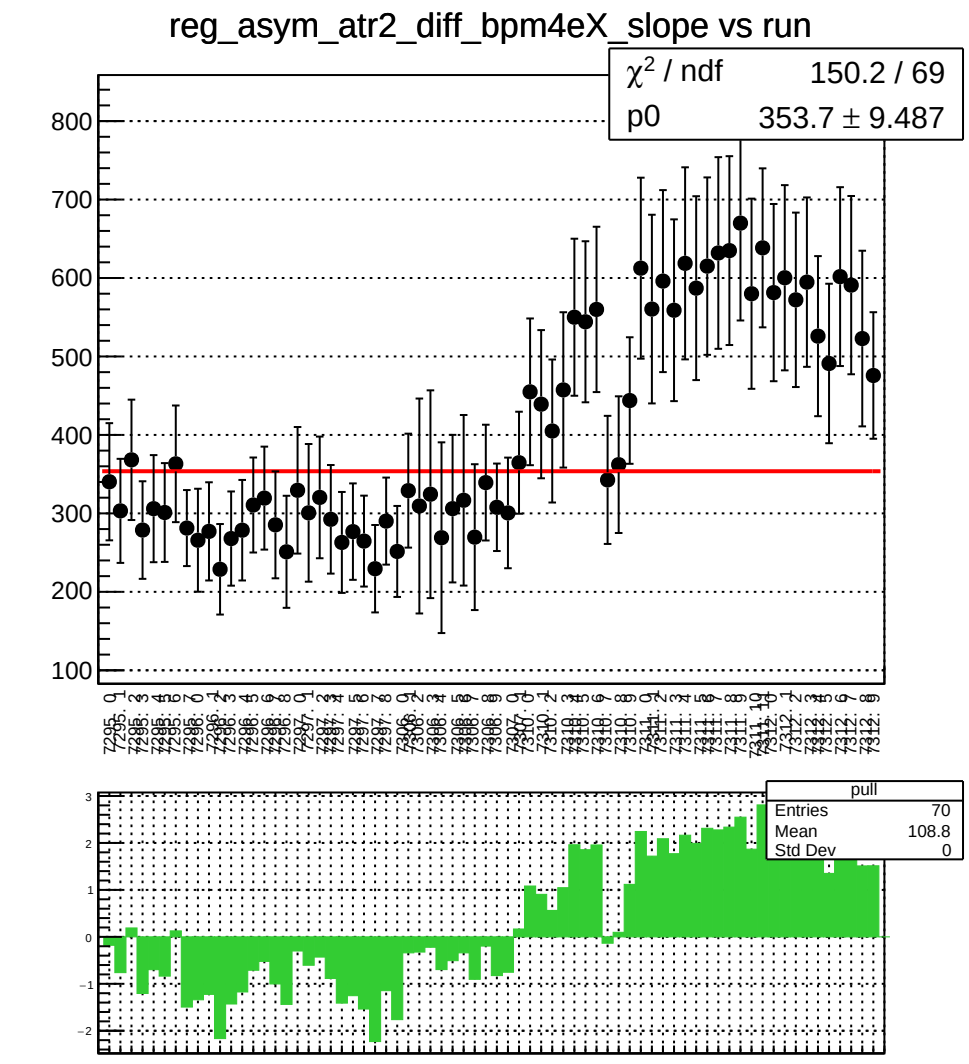

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 214.3 / 69
p0 −16.21 ± 0.1021
pull
Entries 70
Mean −12.83
Std Dev 0

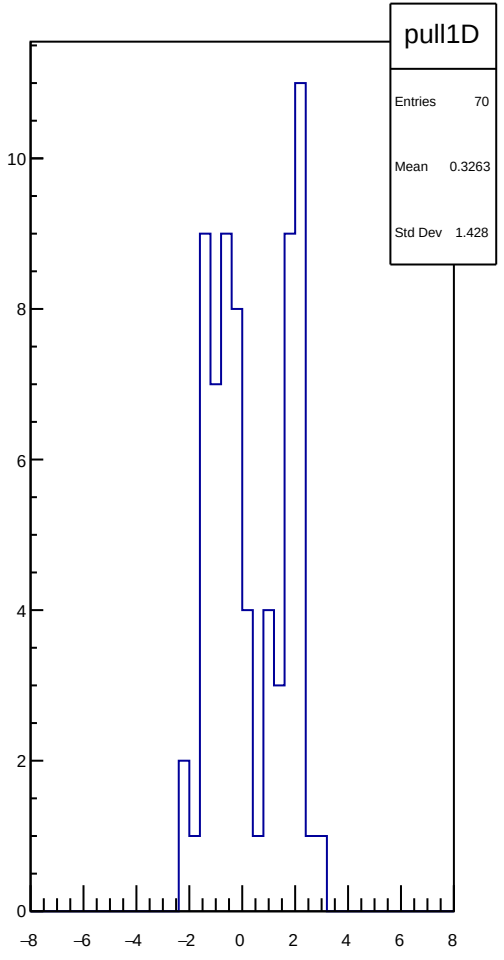

pull1D
Entries 70
Mean 0.1193
Std Dev 1.745

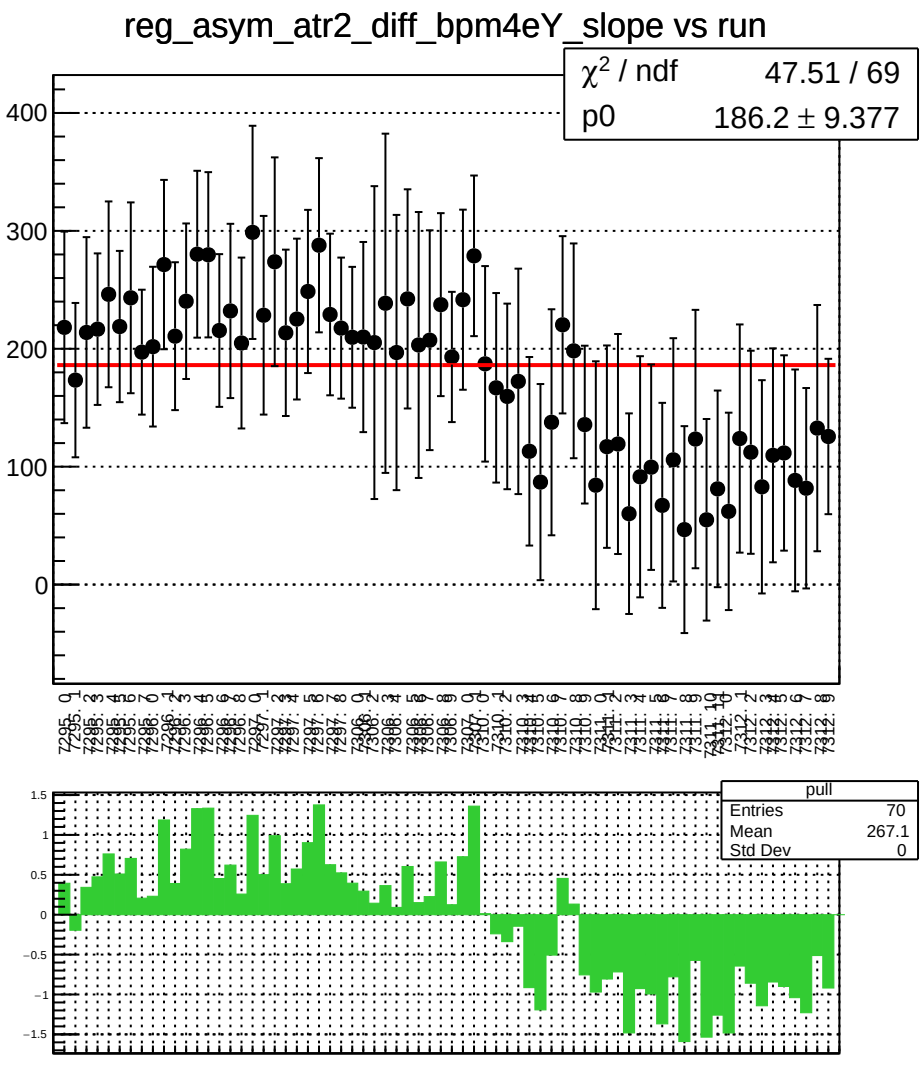

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 144.7 / 69
p0 −263.8 ± 9.612
pull
Entries 70
Mean 110.1
Std Dev 0
pull1D
Entries 70
Mean −0.3116
Std Dev 1.404

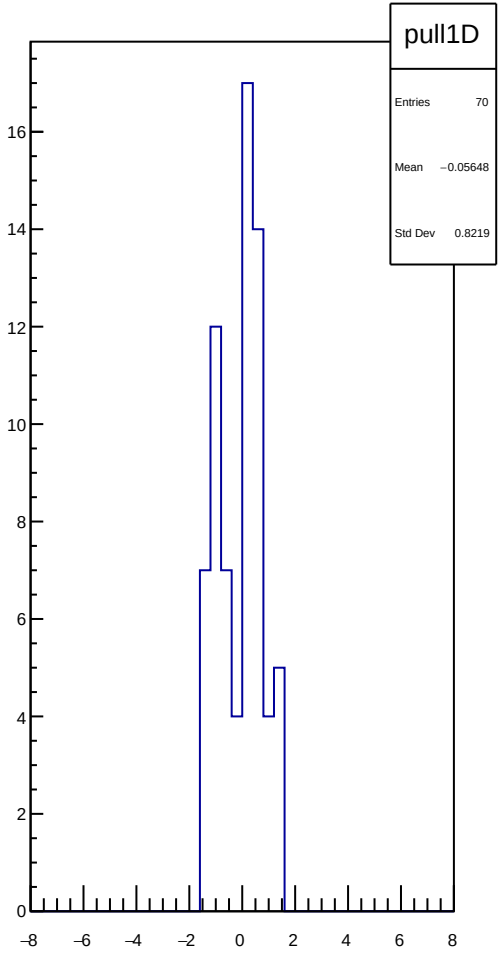

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 44.21 / 69
p0 −54.6 ± 8.737
pull
Entries 70
Mean 359
Std Dev 0

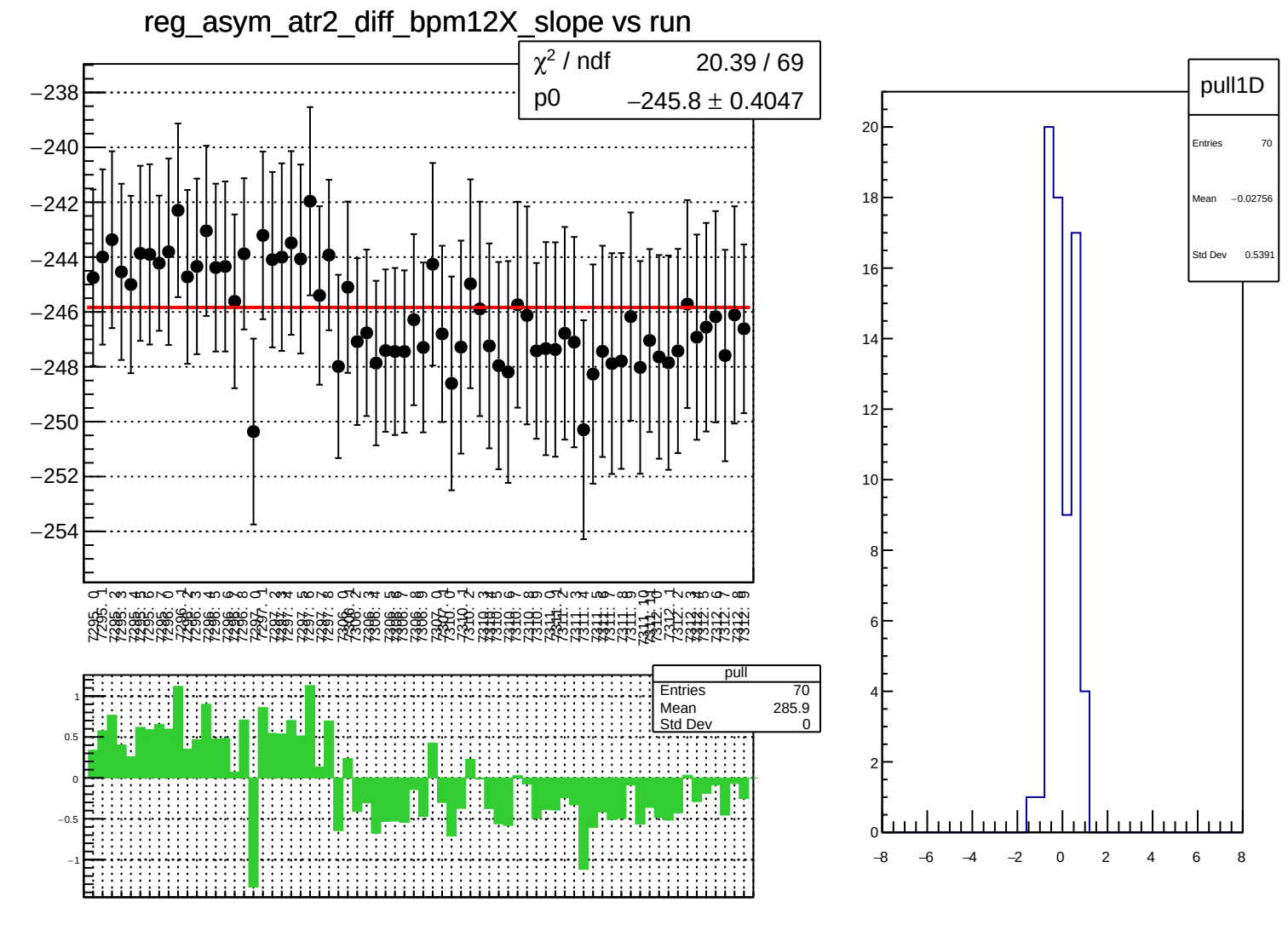

pull1D
Entries 70
Mean 0.03887
Std Dev 0.7938

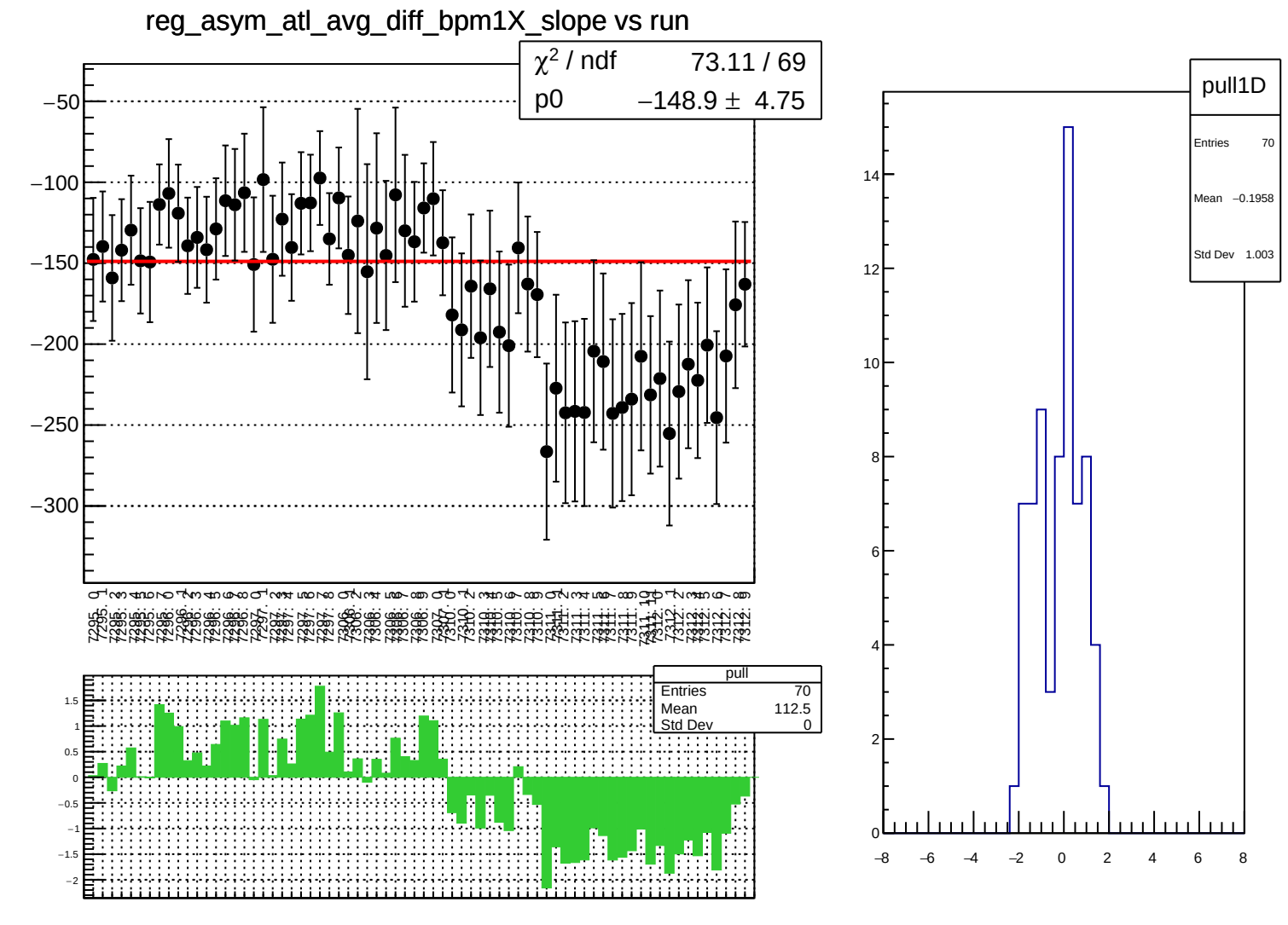

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 150.2 / 69
p0 353.7 ± 9.487
pull
Entries 70
Mean 108.8
Std Dev 0

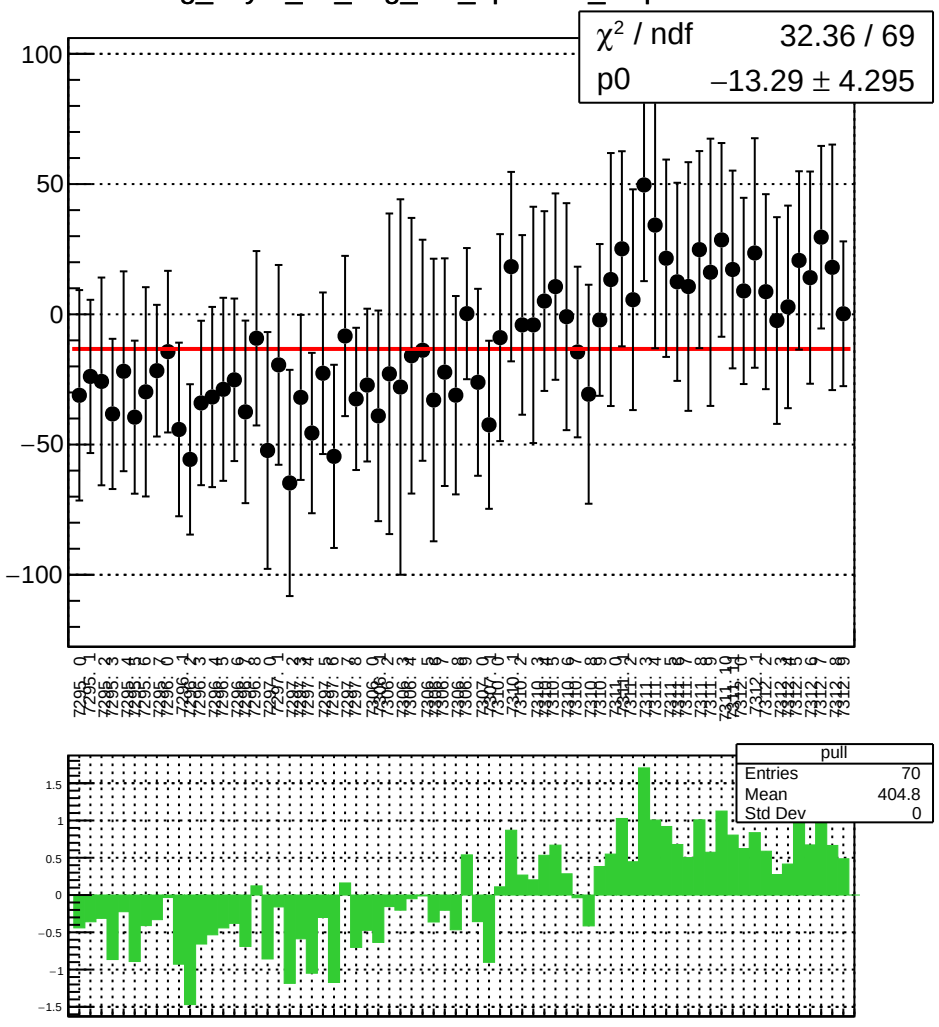

pull1D
Entries 70
Mean 0.3263
Std Dev 1.428

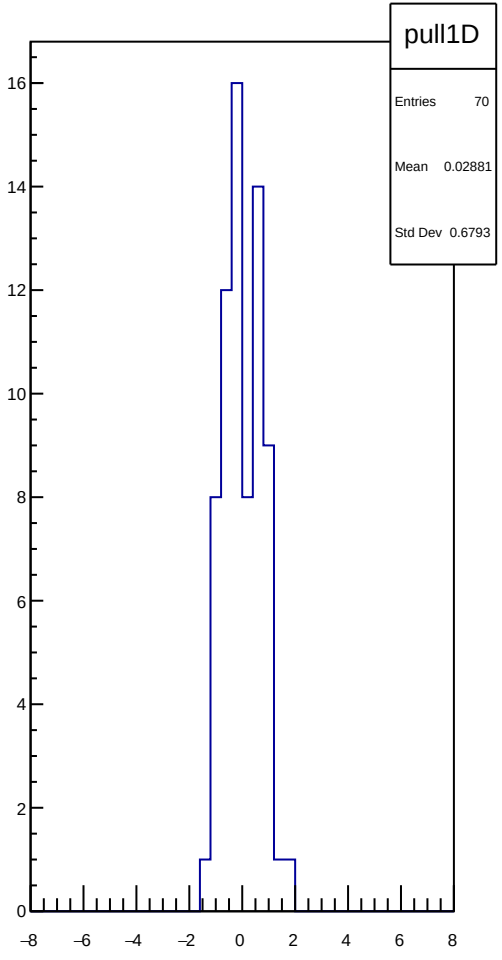

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 47.51 / 69
p0 186.2 ± 9.377
pull
Entries 70
Mean 267.1
Std Dev 0

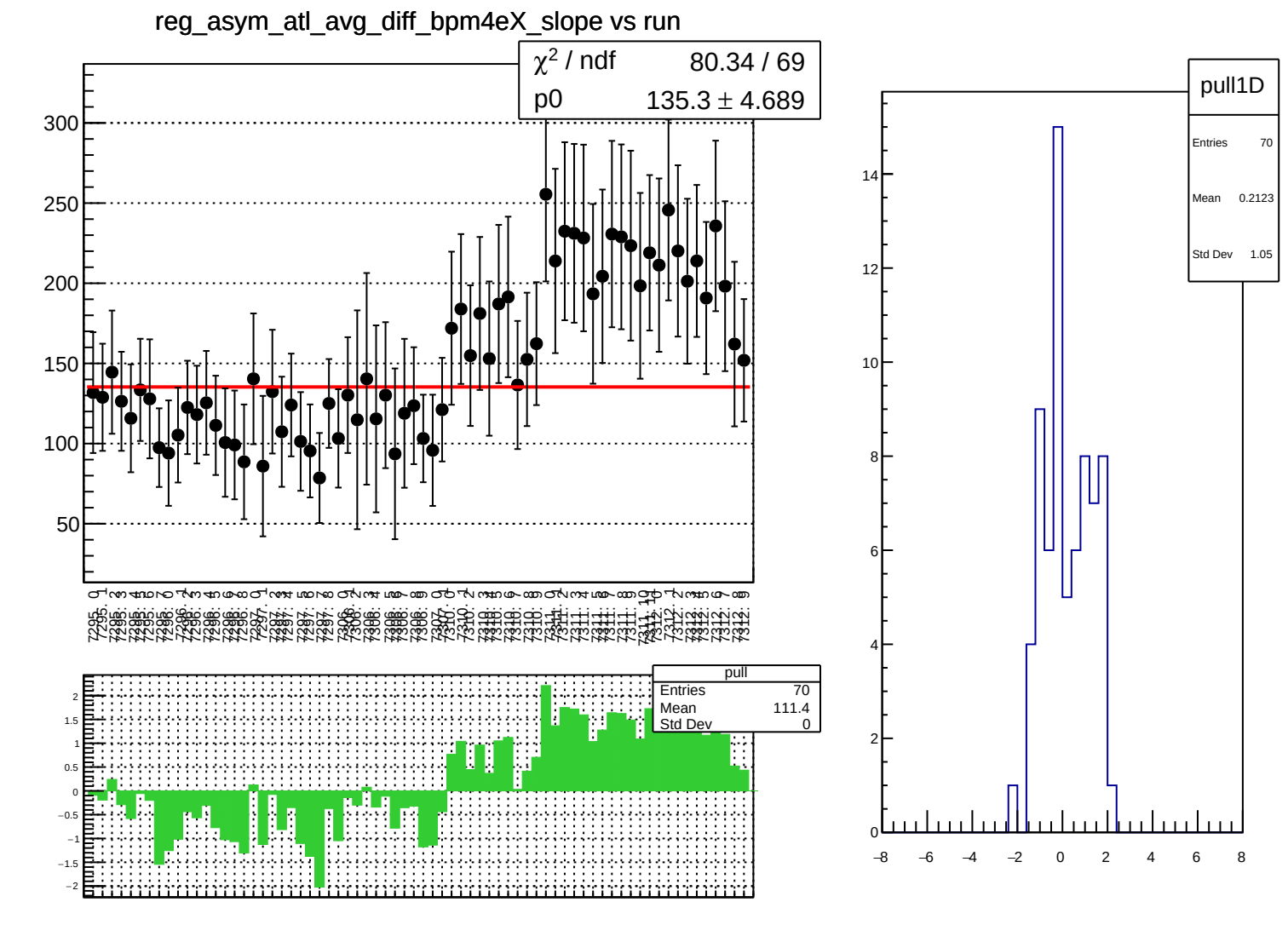

pull1D
Entries 70
Mean −0.05648
Std Dev 0.8219

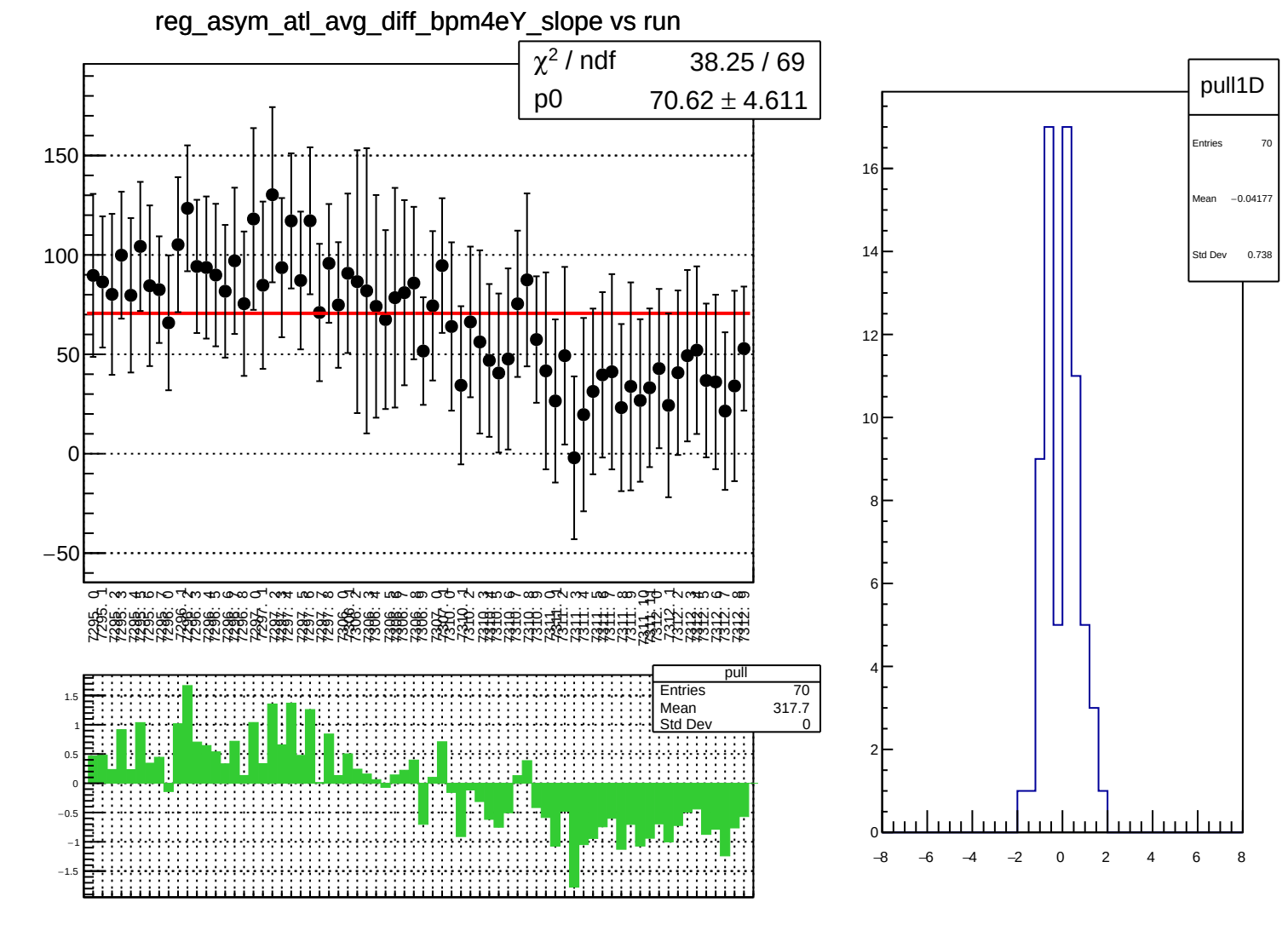

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 20.39 / 69
p0 −245.8 ± 0.4047
pull
Entries 70
Mean 285.9
Std Dev 0
pull1D
Entries 70
Mean −0.02756
Std Dev 0.5391

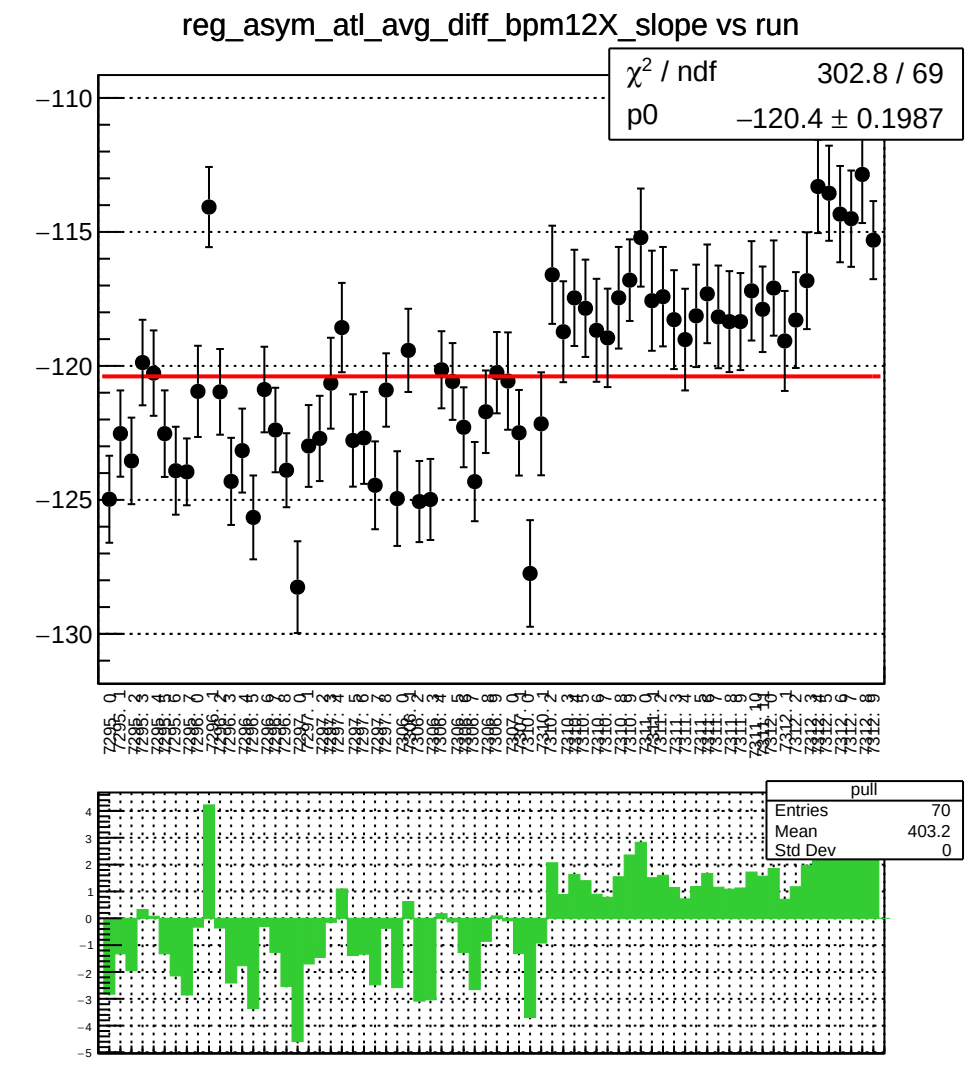

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 73.11 / 69
p0 −148.9 ± 4.75
−50
−100
−150
−200
−250
−300
pull
Entries 70
Mean 112.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 70
Mean −0.1958
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

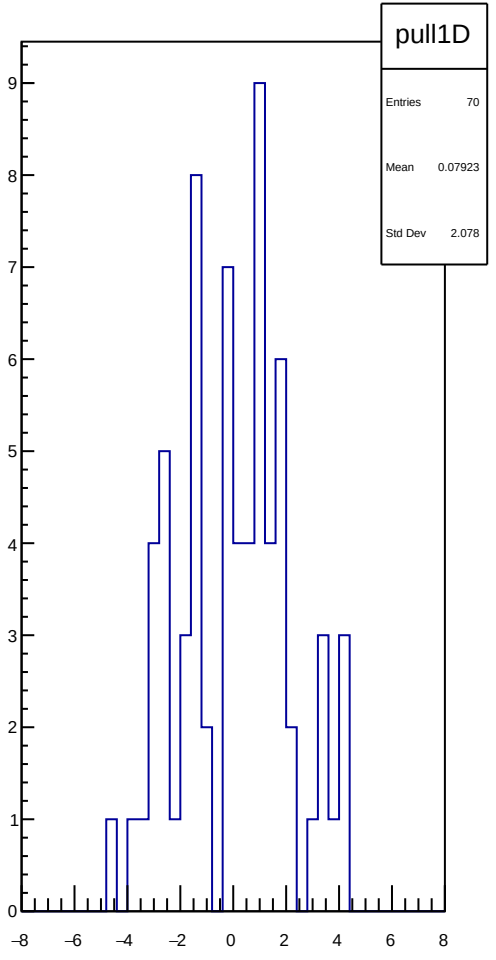

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.36 / 69
p0 −13.29 ± 4.295
pull
Entries 70
Mean 404.8
Std Dev 0

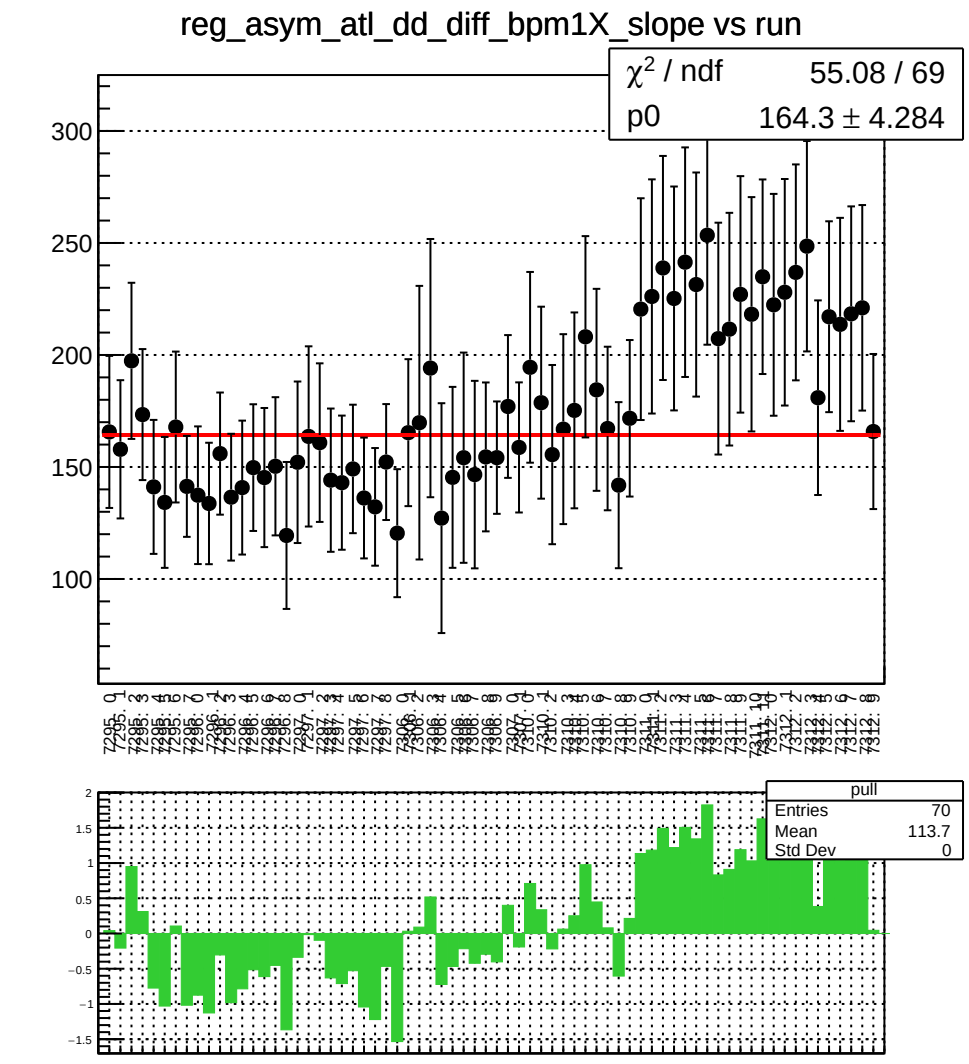

pull1D
Entries 70
Mean 0.02881
Std Dev 0.6793

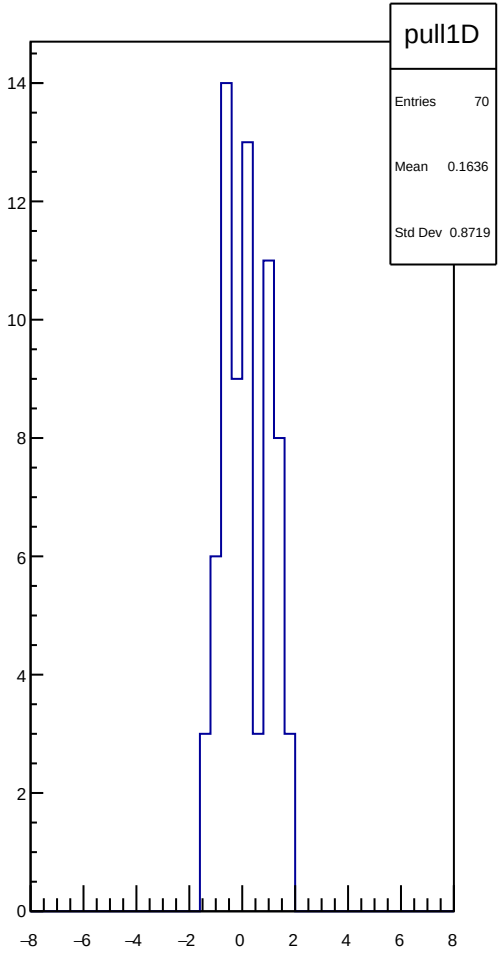

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.34 / 69
p0 135.3 ± 4.689
pull
Entries 70
Mean 111.4
Std Dev 0
pull1D
Entries 70
Mean 0.2123
Std Dev 1.05

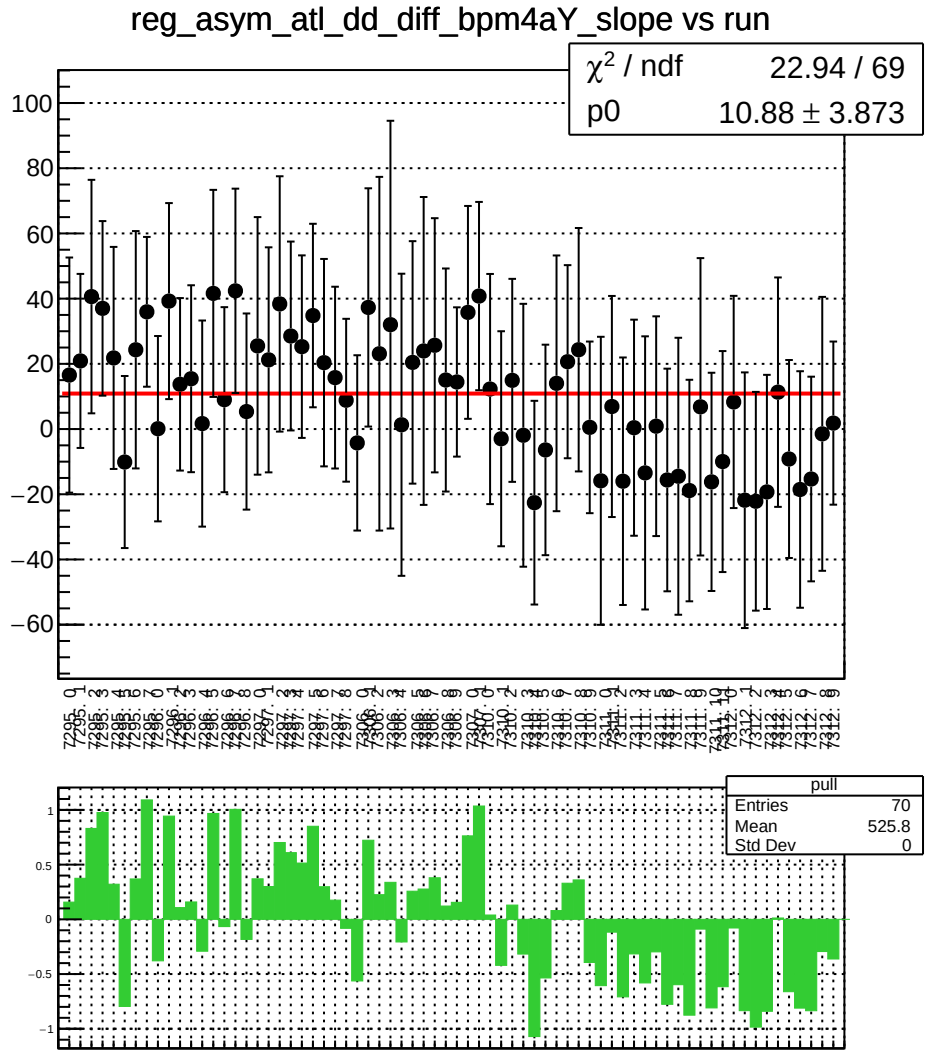

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.25 / 69
p0 70.62 ± 4.611
150
100
50
0
−50
pull
Entries 70
Mean 317.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 70
Mean −0.04177
Std Dev 0.738
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

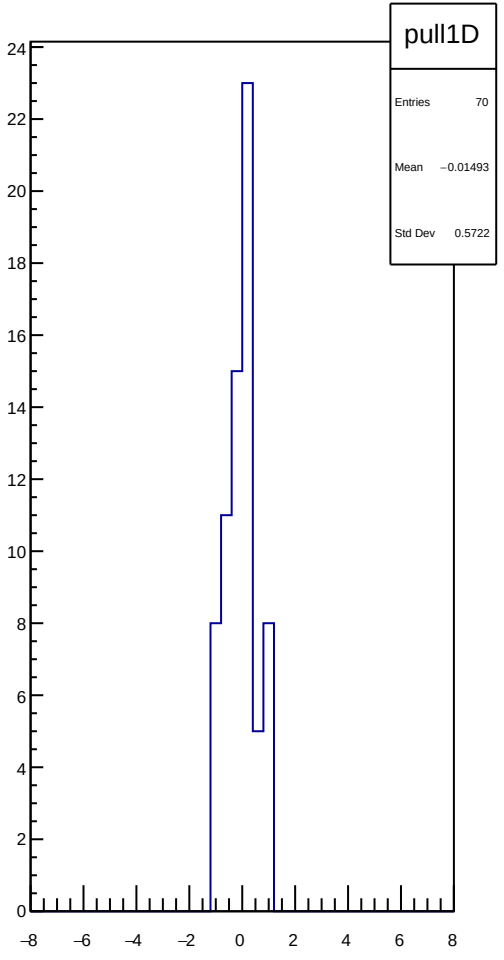

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 302.8 / 69
p0 −120.4 ± 0.1987
pull
Entries 70
Mean 403.2
Std Dev 0

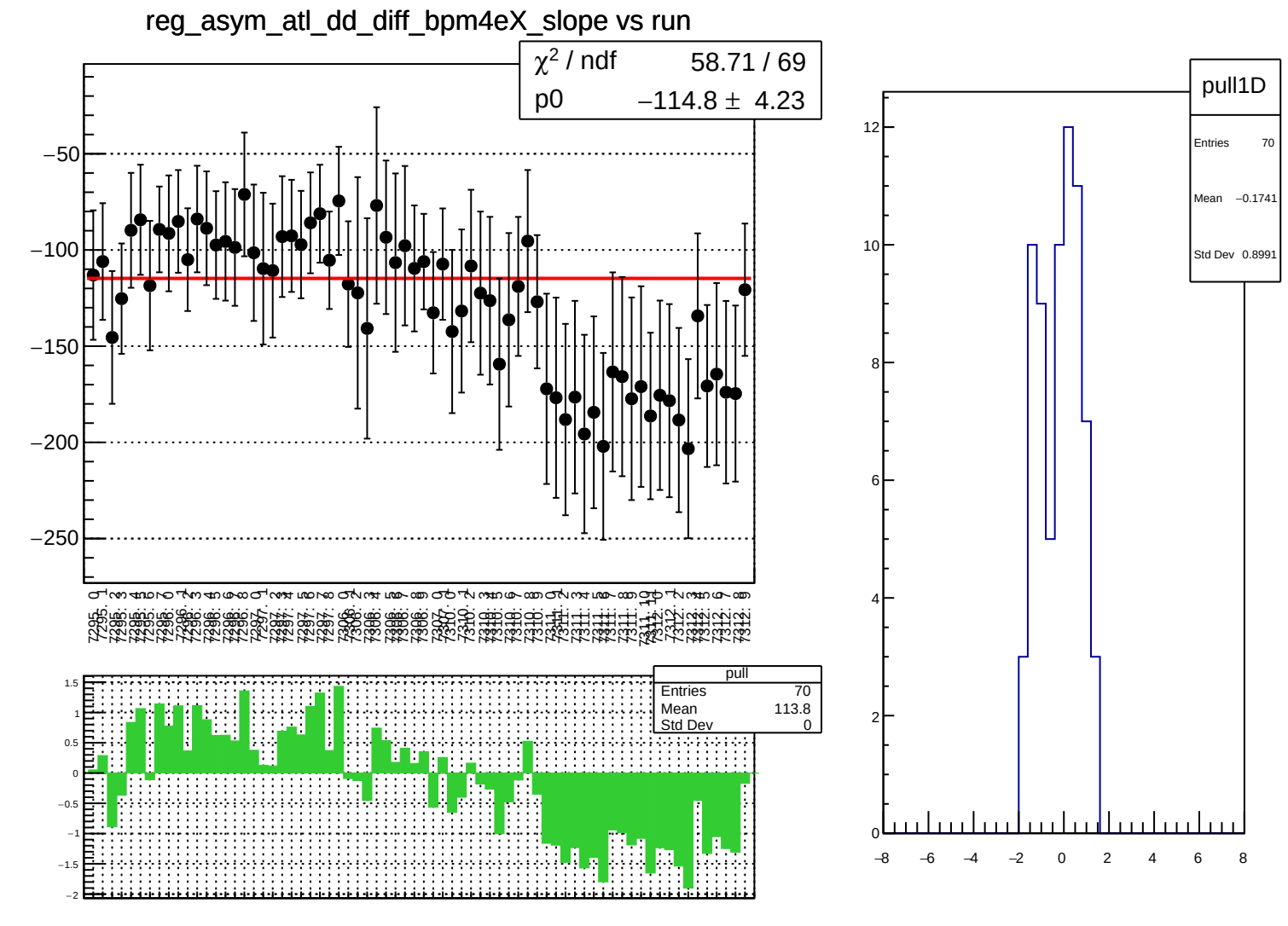

pull1D
Entries 70
Mean 0.07923
Std Dev 2.078

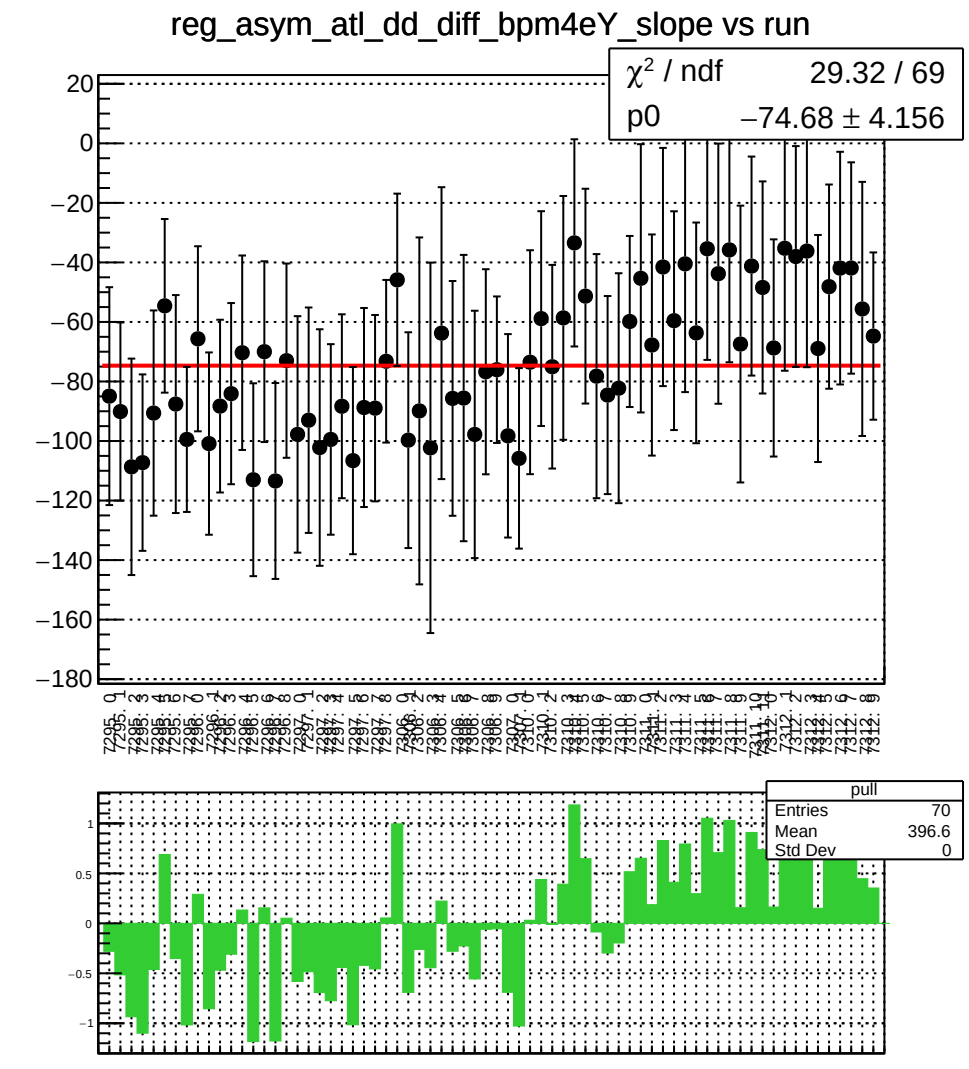

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 55.08 / 69
p0 164.3 ± 4.284
pull
Entries 70
Mean 113.7
Std Dev 0

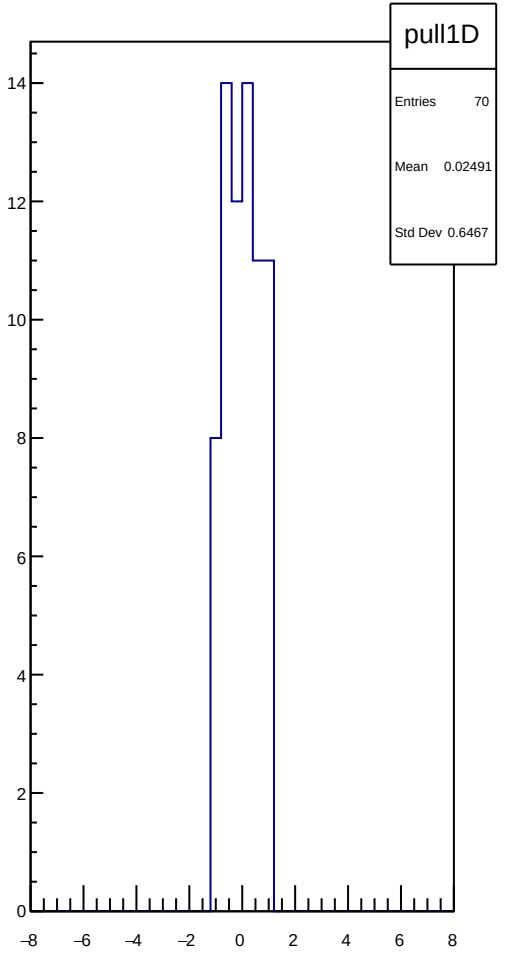

pull1D
Entries 70
Mean 0.1636
Std Dev 0.8719

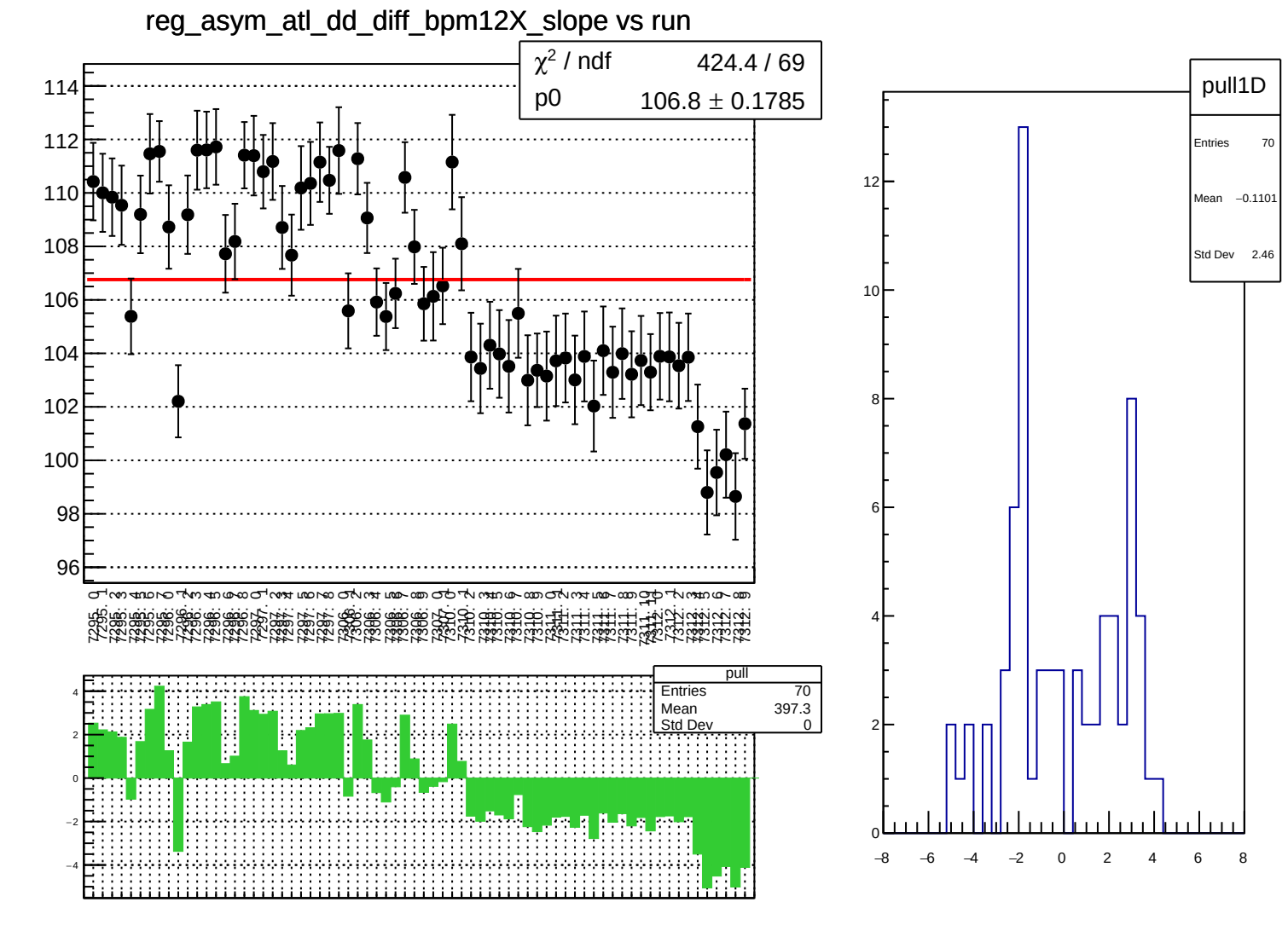

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.94 / 69
p0 10.88 ± 3.873
pull
Entries 70
Mean 525.8
Std Dev 0

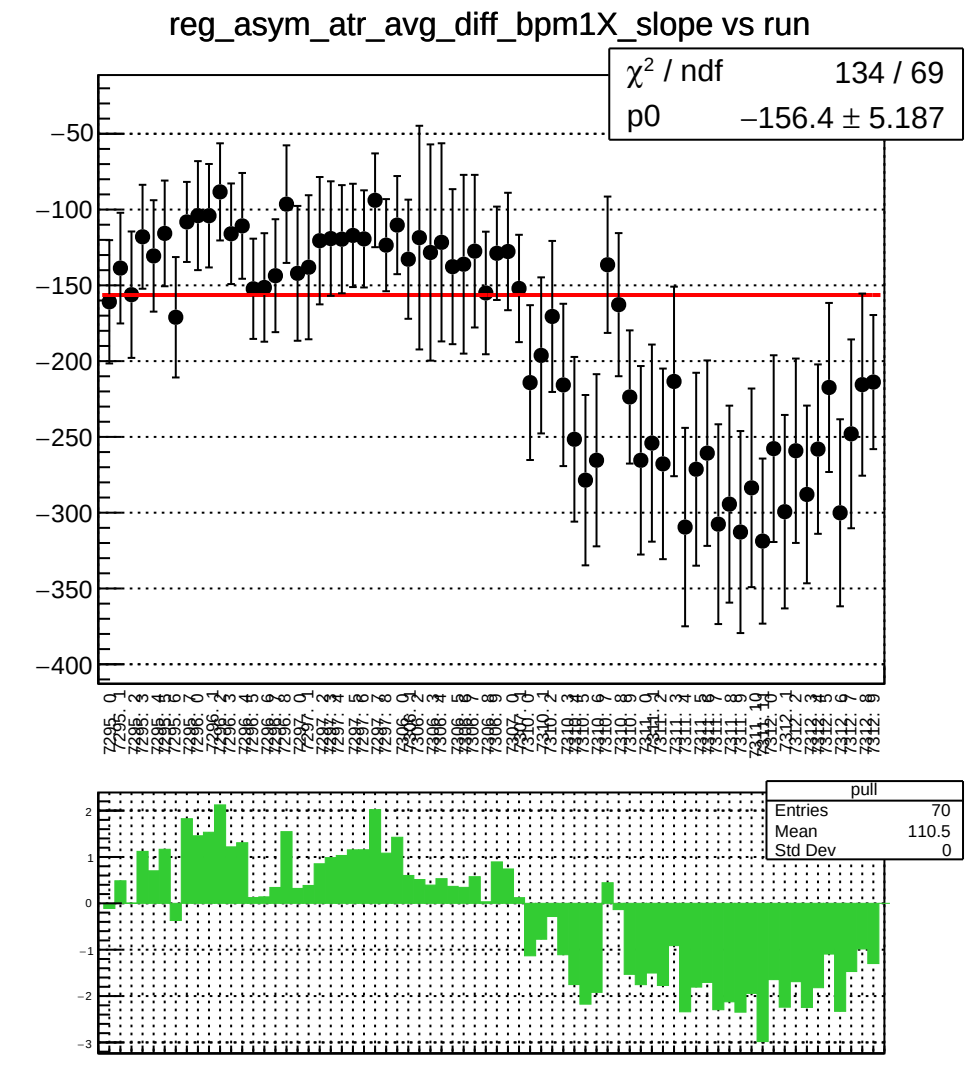

pull1D
Entries 70
Mean −0.01493
Std Dev 0.5722

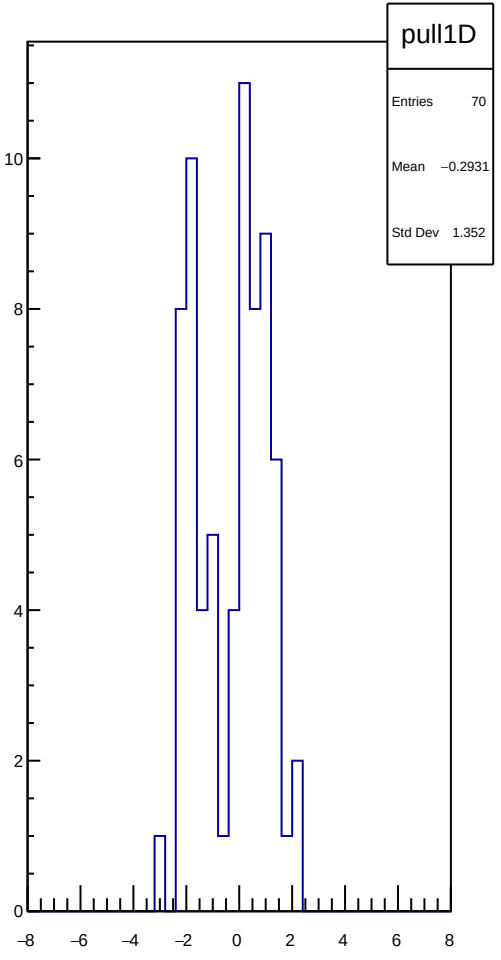

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.71 / 69
p0 −114.8 ± 4.23
−50
−100
−150
−200
−250
pull
Entries 70
Mean 113.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 70
Mean −0.1741
Std Dev 0.8991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

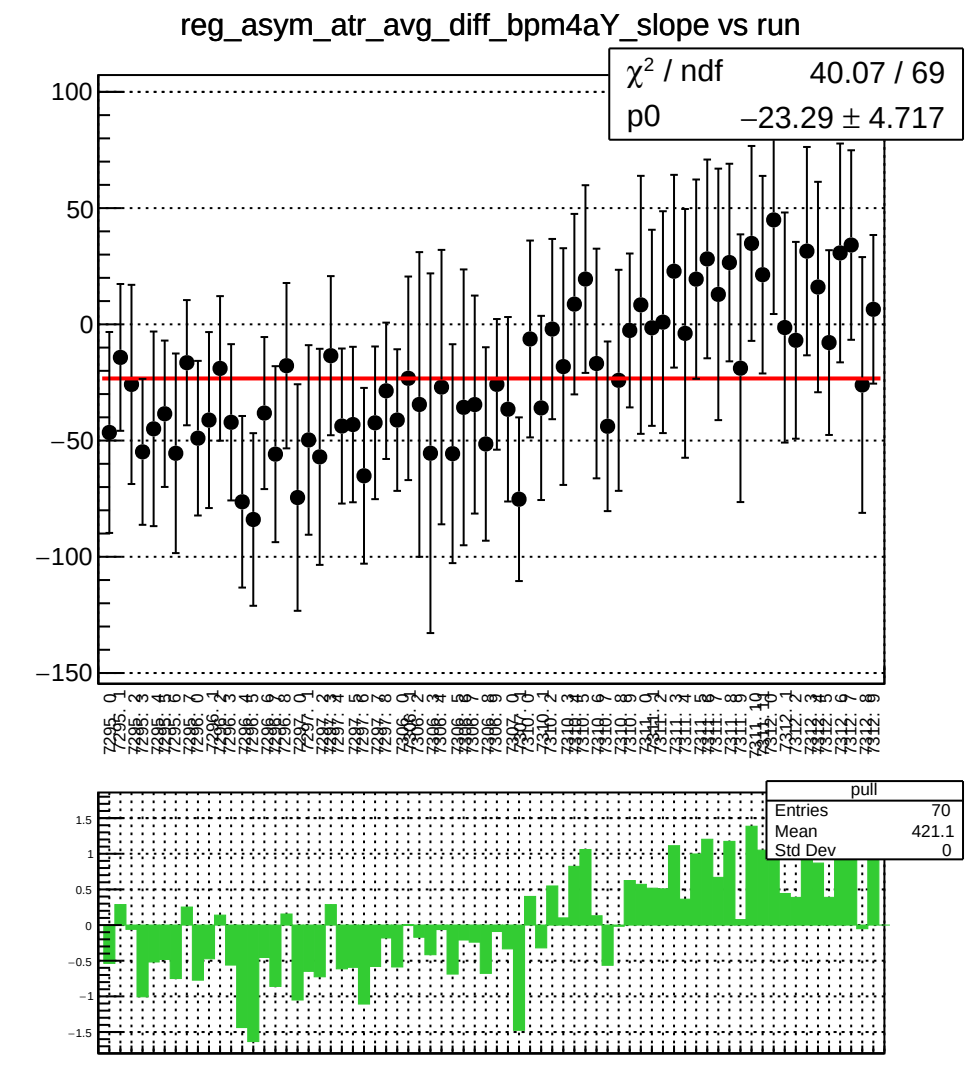

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.32 / 69
p0 −74.68 ± 4.156
pull
Entries 70
Mean 396.6
Std Dev 0

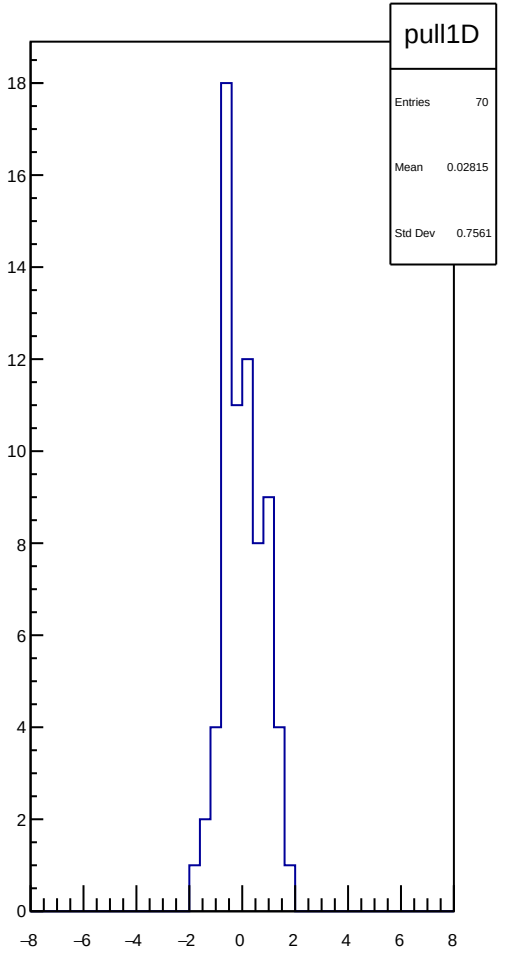

pull1D
Entries 70
Mean 0.02491
Std Dev 0.6467

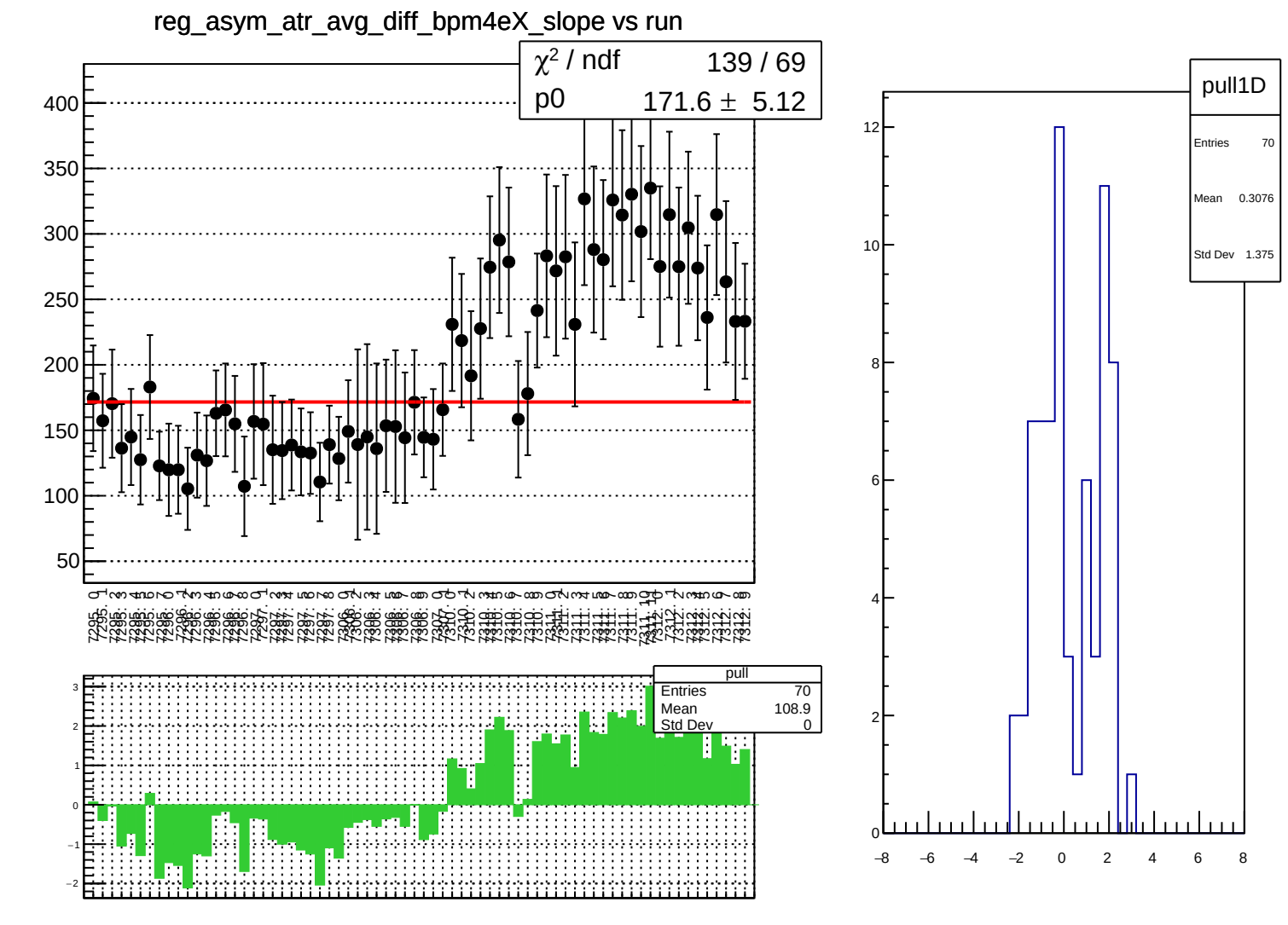

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 424.4 / 69
p0 106.8 ± 0.1785
pull
Entries 70
Mean 397.3
Std Dev 0
pull1D
Entries 70
Mean −0.1101
Std Dev 2.46

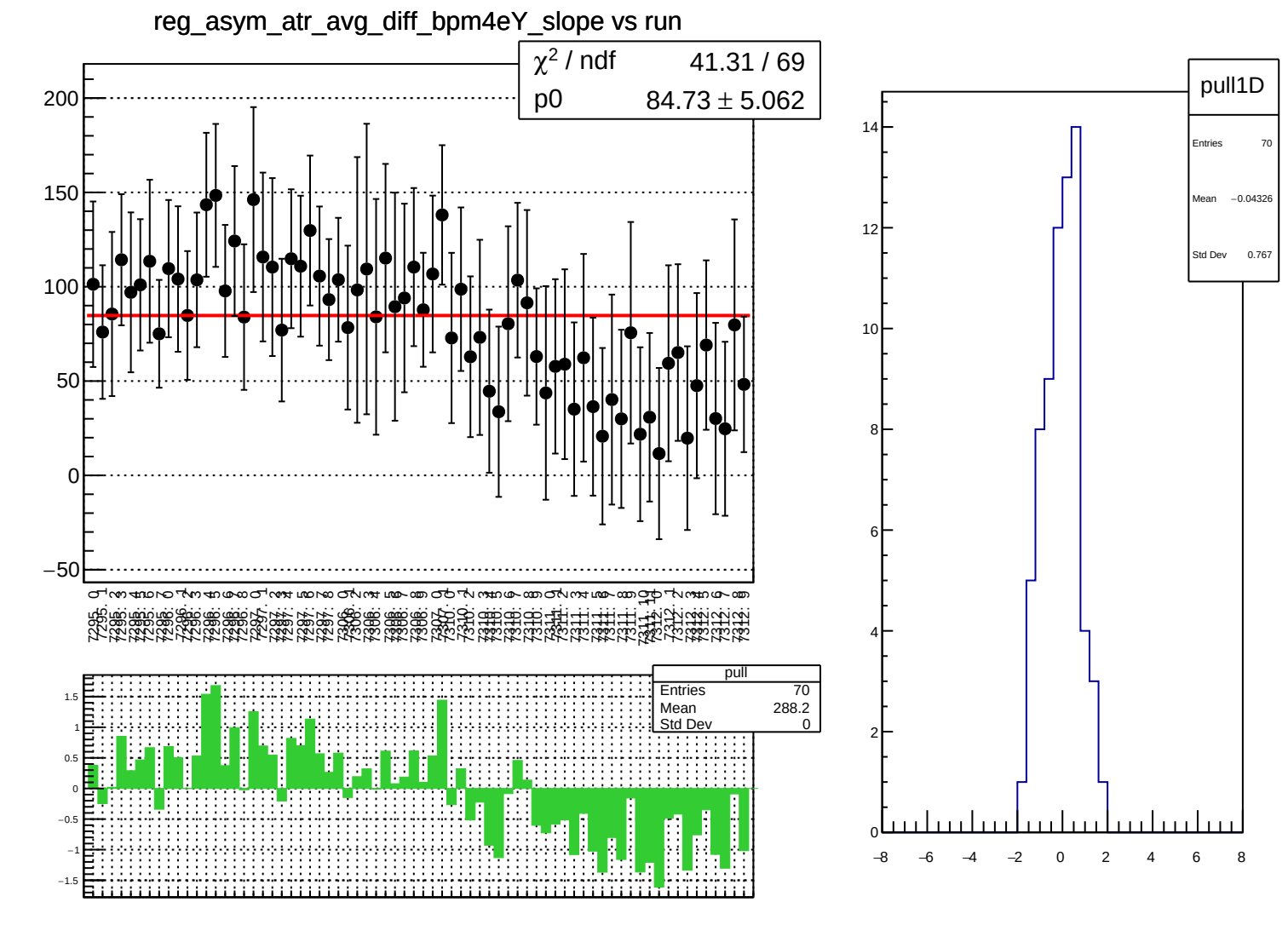

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 134 / 69
p0 −156.4 ± 5.187
pull
Entries 70
Mean 110.5
Std Dev 0

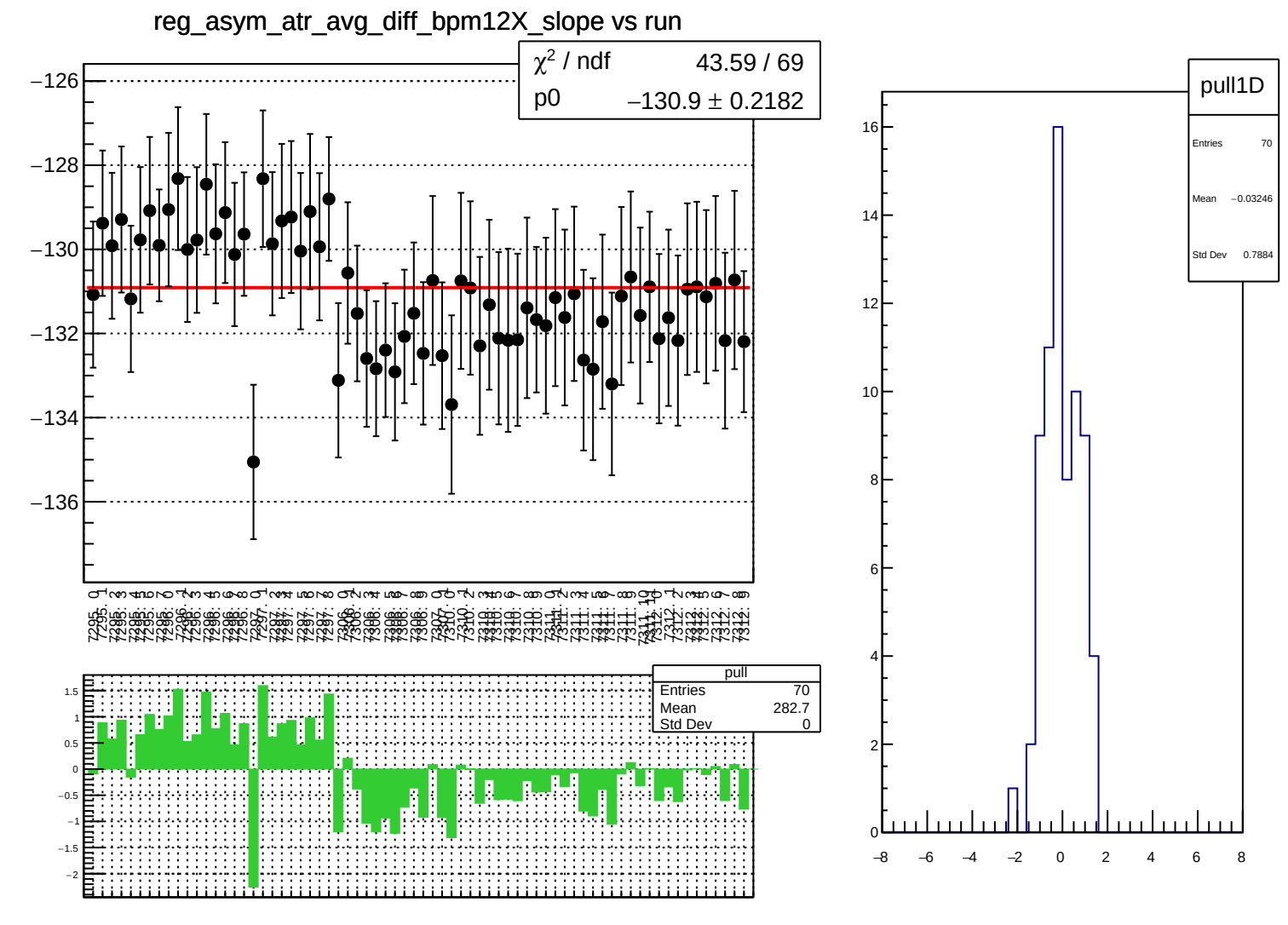

pull1D
Entries 70
Mean −0.2931
Std Dev 1.352

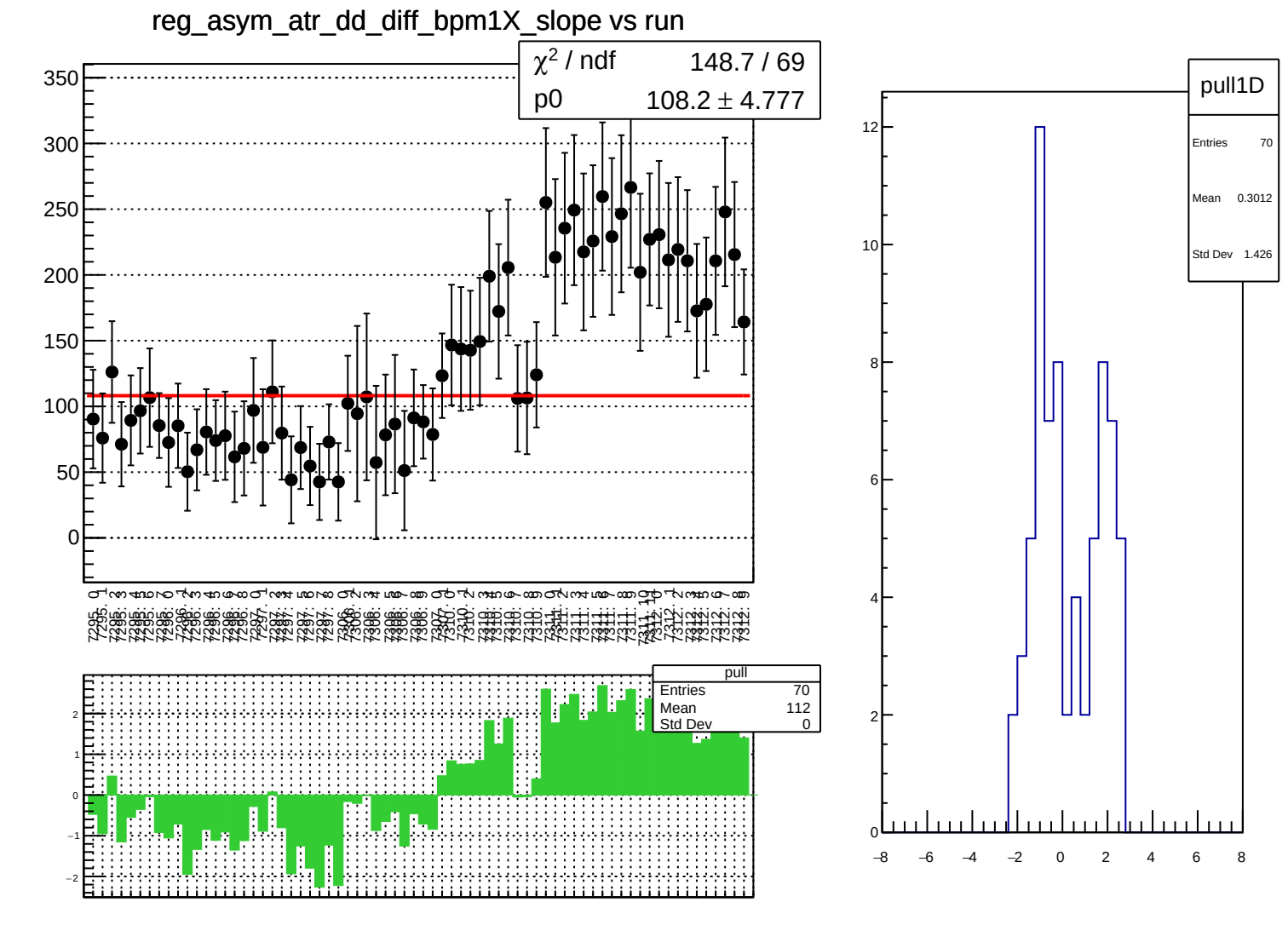

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.07 / 69
p0 −23.29 ± 4.717
pull
Entries 70
Mean 421.1
Std Dev 0

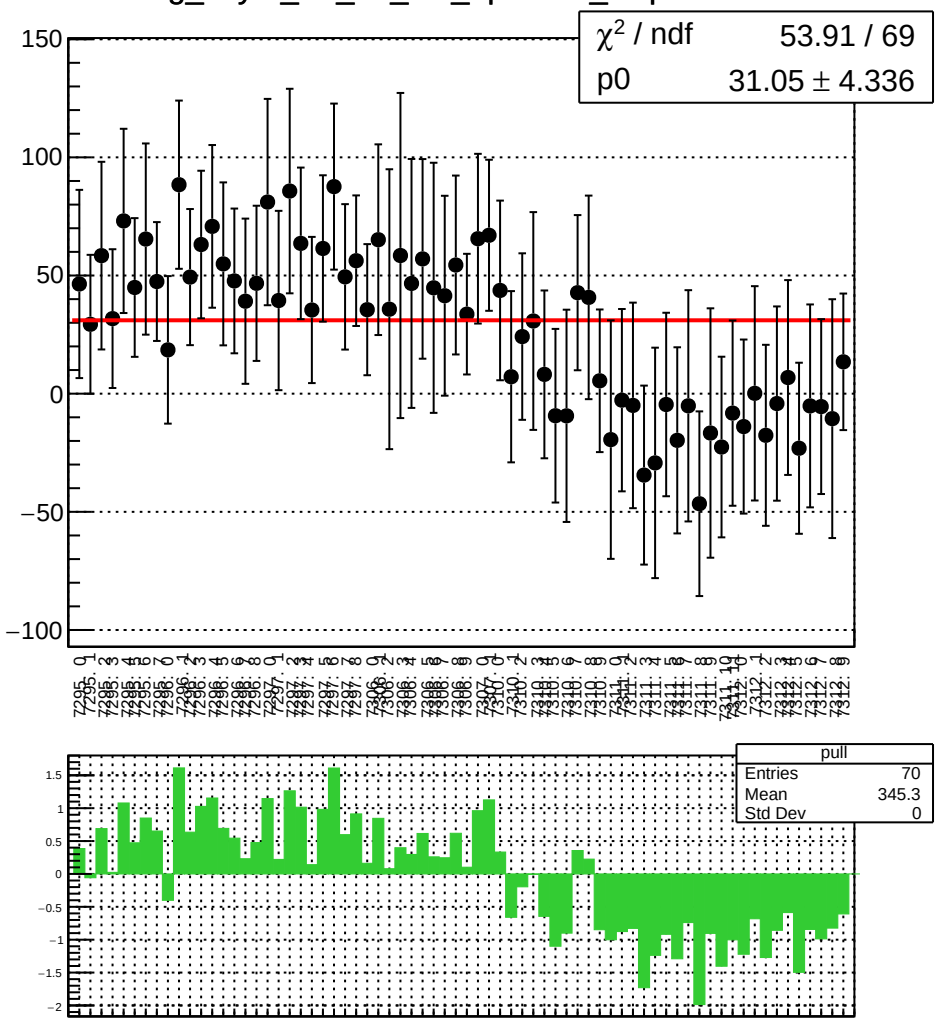

pull1D
Entries 70
Mean 0.02815
Std Dev 0.7561

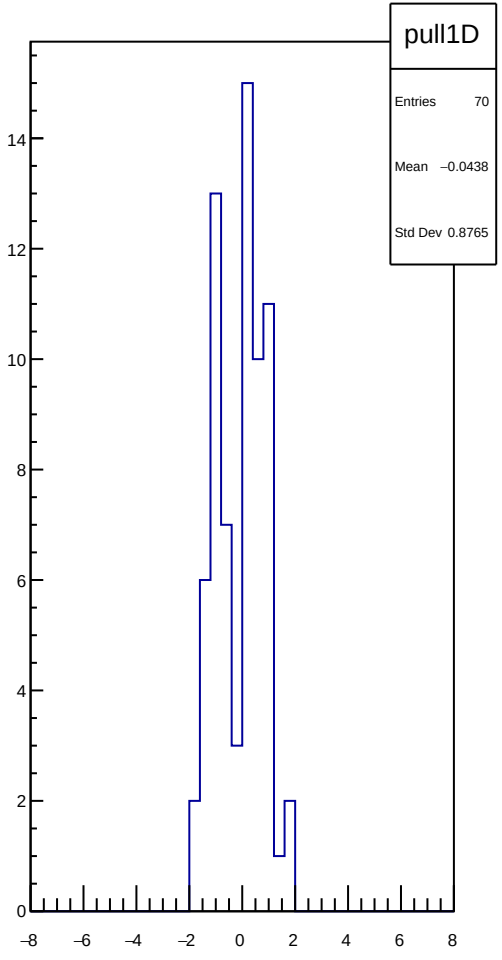

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 139 / 69
p0 171.6 ± 5.12
pull
Entries 70
Mean 108.9
Std Dev 0
pull1D
Entries 70
Mean 0.3076
Std Dev 1.375

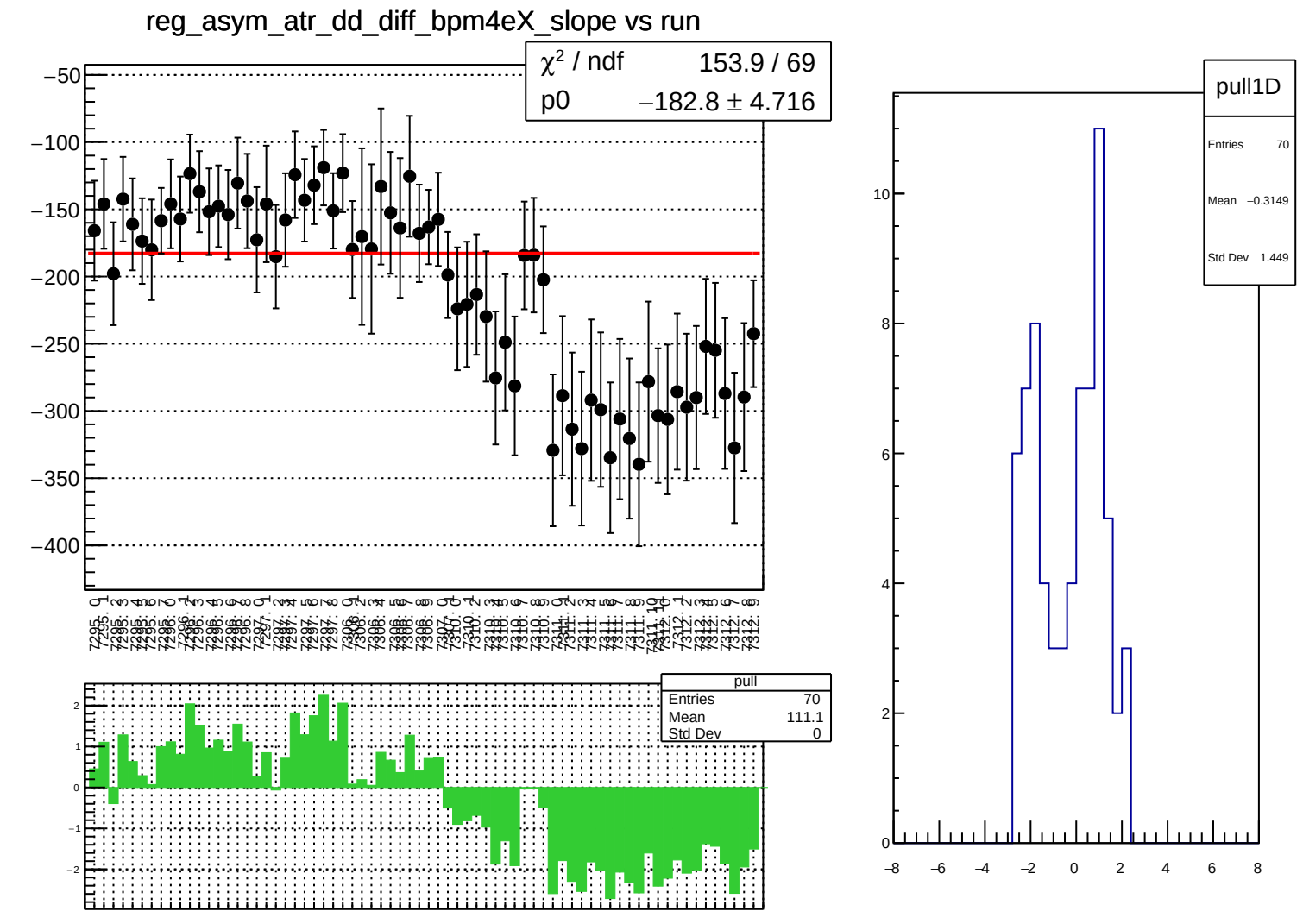

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 41.31 / 69
p0 84.73 ± 5.062
pull
Entries 70
Mean 288.2
Std Dev 0
pull1D
Entries 70
Mean −0.04326
Std Dev 0.767

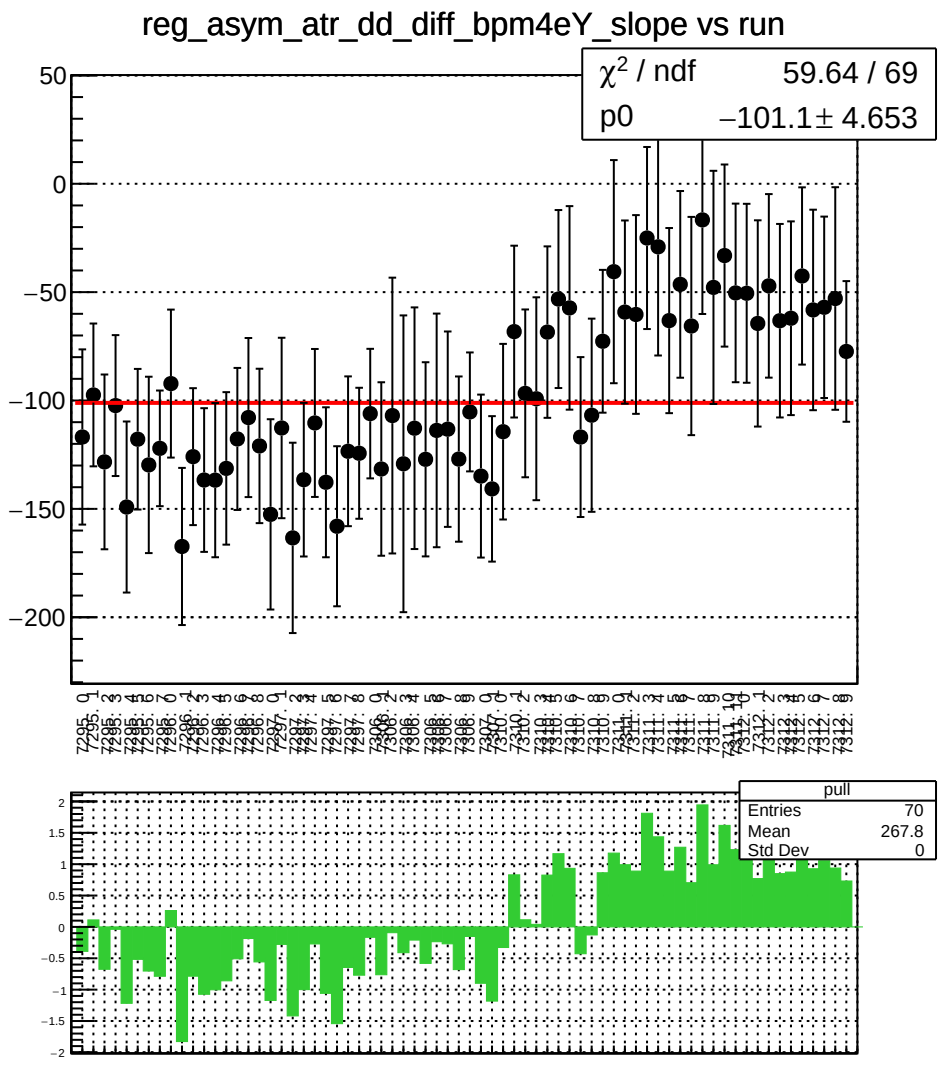

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 43.59 / 69
p0 −130.9 ± 0.2182
pull
Entries 70
Mean 282.7
Std Dev 0
pull1D
Entries 70
Mean −0.03246
Std Dev 0.7884

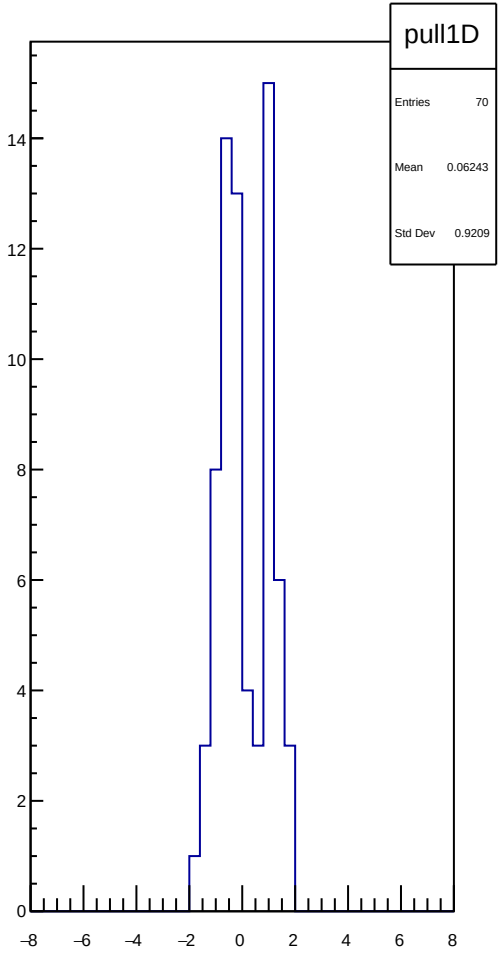

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 148.7 / 69
p0 108.2 ± 4.777
pull
Entries 70
Mean 112
Std Dev 0
pull1D
Entries 70
Mean 0.3012
Std Dev 1.426

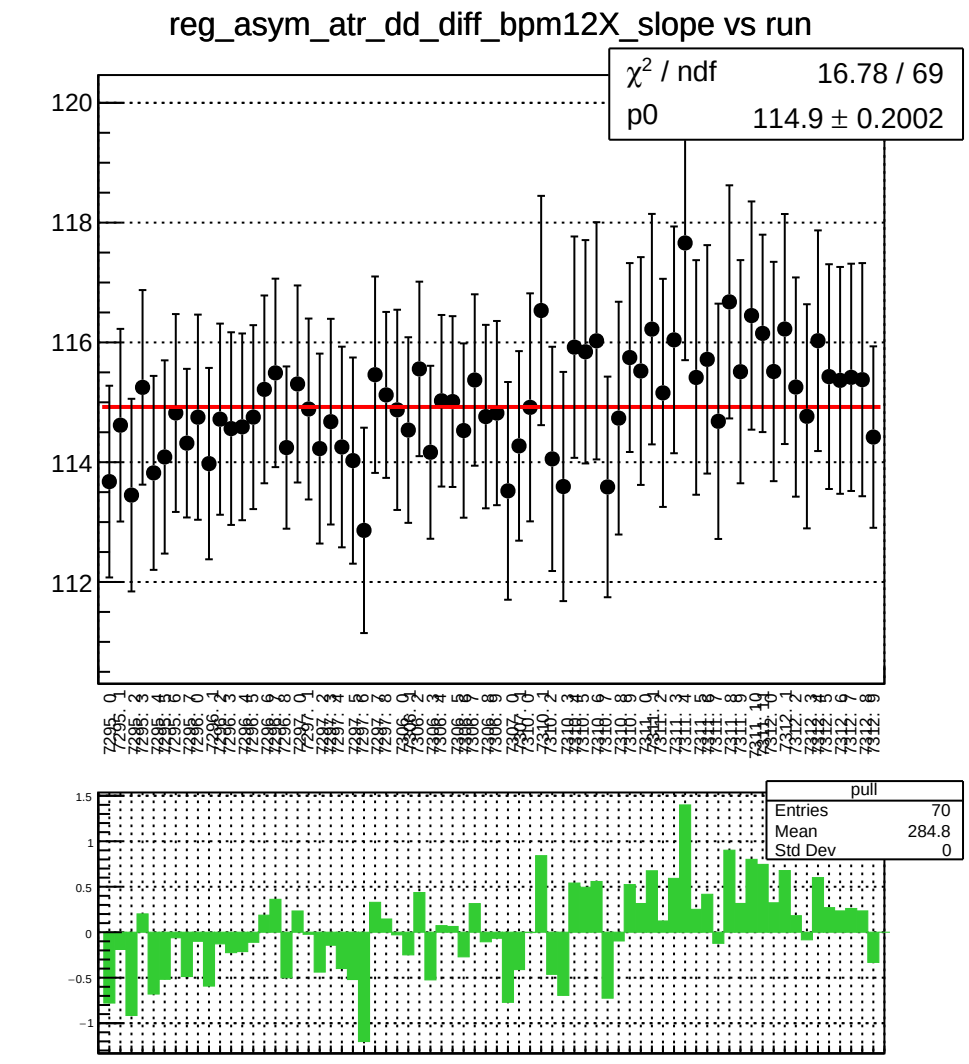

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 53.91 / 69
p0 31.05 ± 4.336
pull
Entries 70
Mean 345.3
Std Dev 0

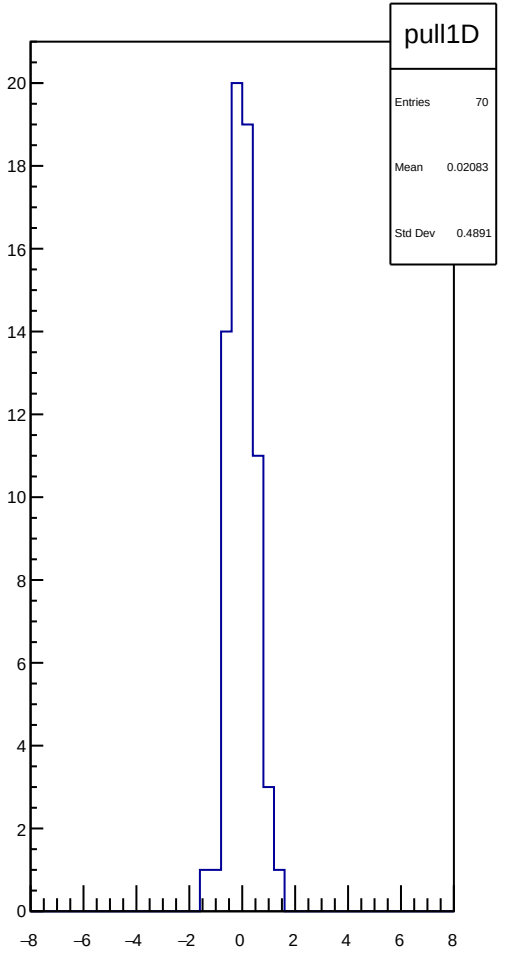

pull1D
Entries 70
Mean −0.0438
Std Dev 0.8765

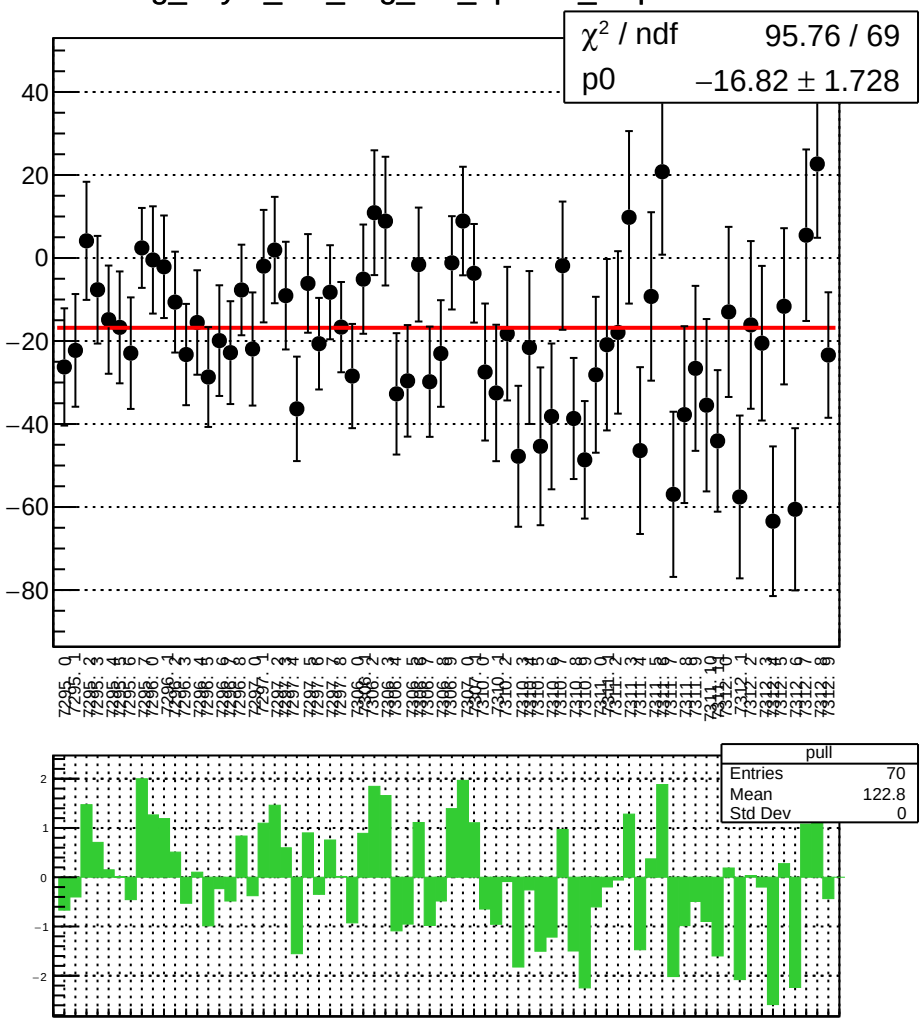

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.9 / 69
p0 −182.8 ± 4.716
pull
Entries 70
Mean 111.1
Std Dev 0
pull1D
Entries 70
Mean −0.3149
Std Dev 1.449

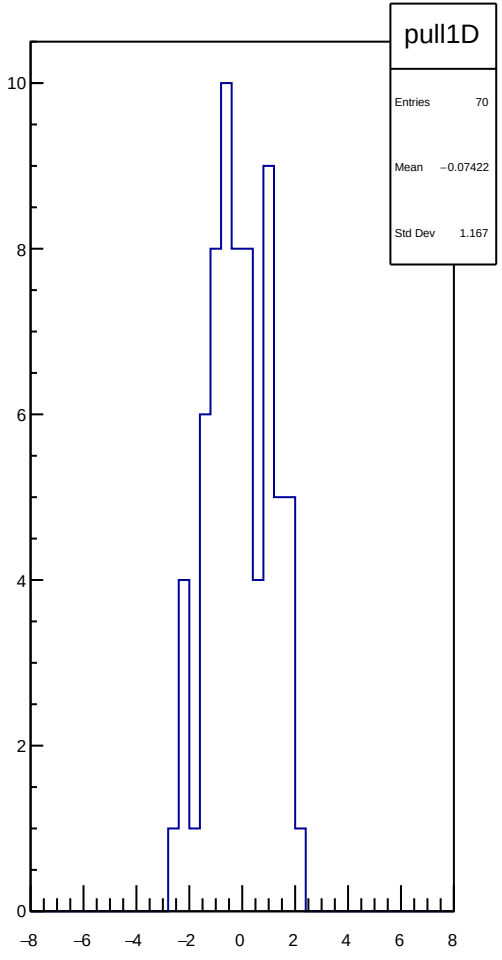

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.64 / 69
p0 −101.1± 4.653
pull
Entries 70
Mean 267.8
Std Dev 0

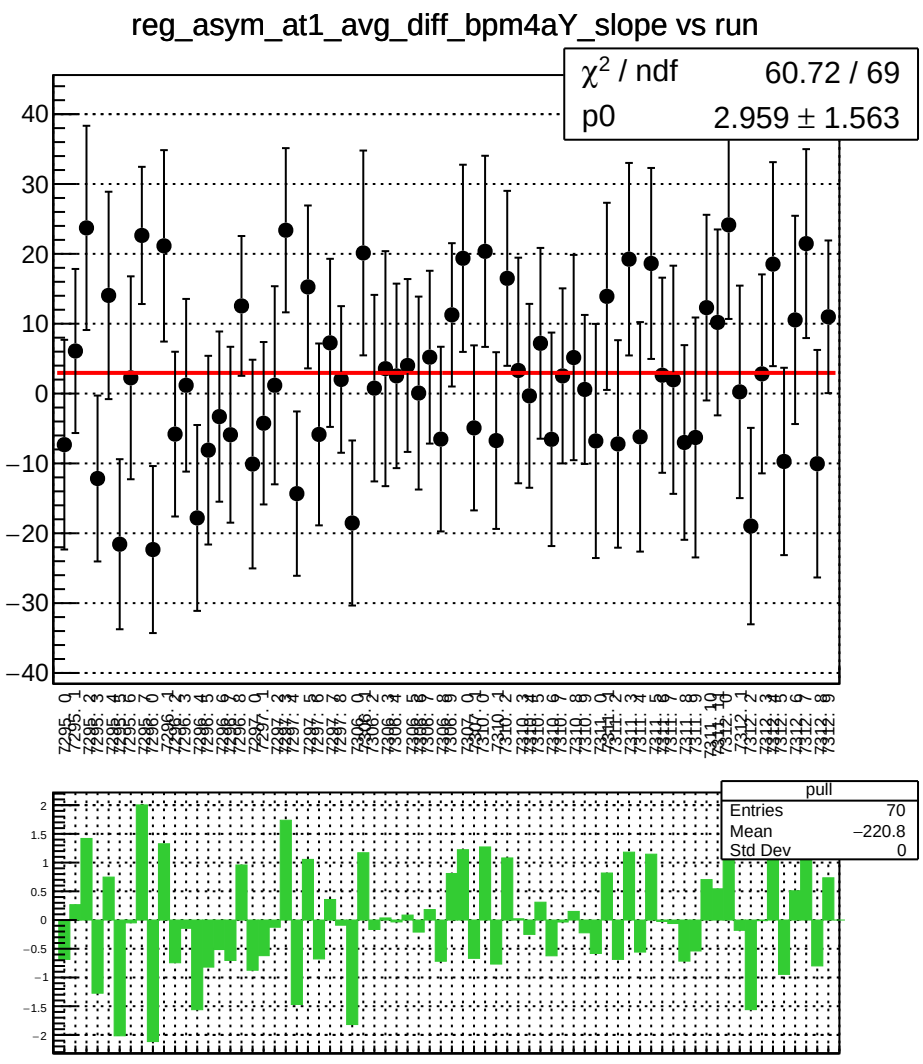

pull1D
Entries 70
Mean 0.06243
Std Dev 0.9209

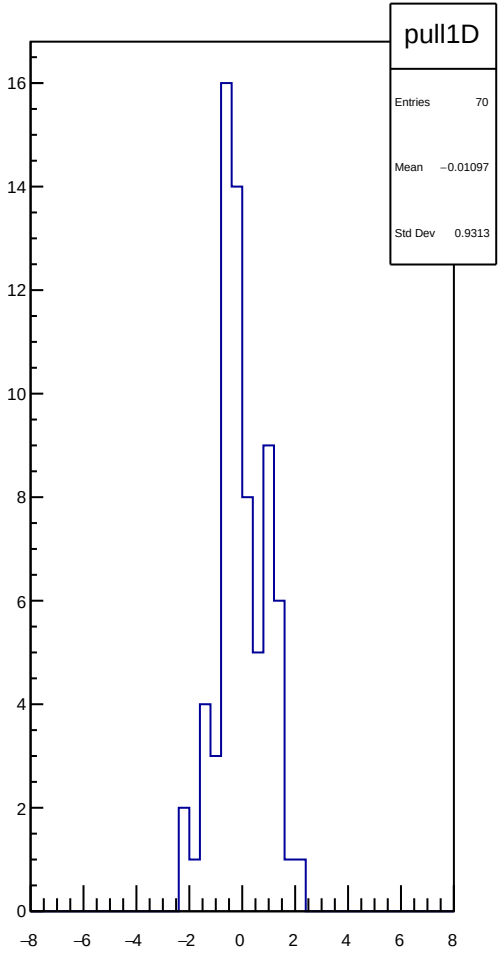

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.78 / 69
p0 114.9 ± 0.2002
120
118
116
114
112
pull
Entries 70
Mean 284.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

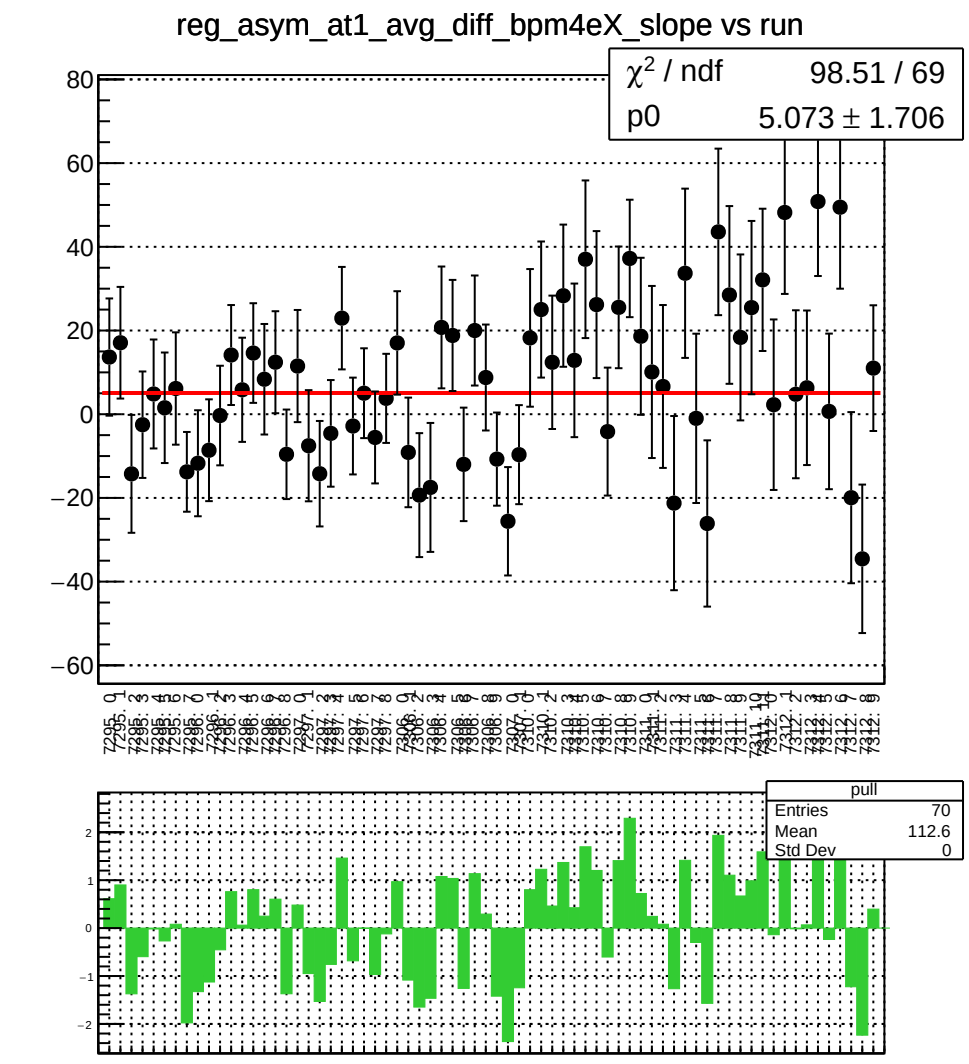

pull1D
Entries 70
Mean 0.02083
Std Dev 0.4891
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

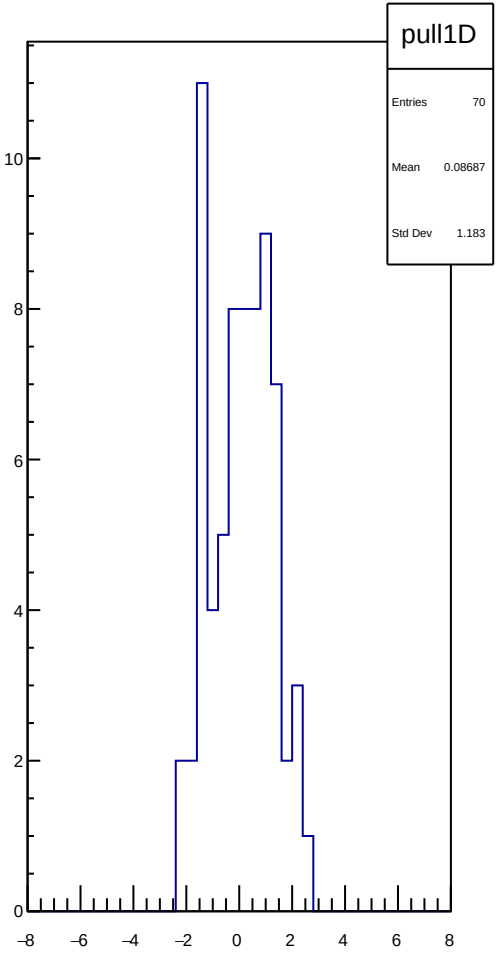

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 95.76 / 69
p0 −16.82 ± 1.728
pull
Entries 70
Mean 122.8
Std Dev 0

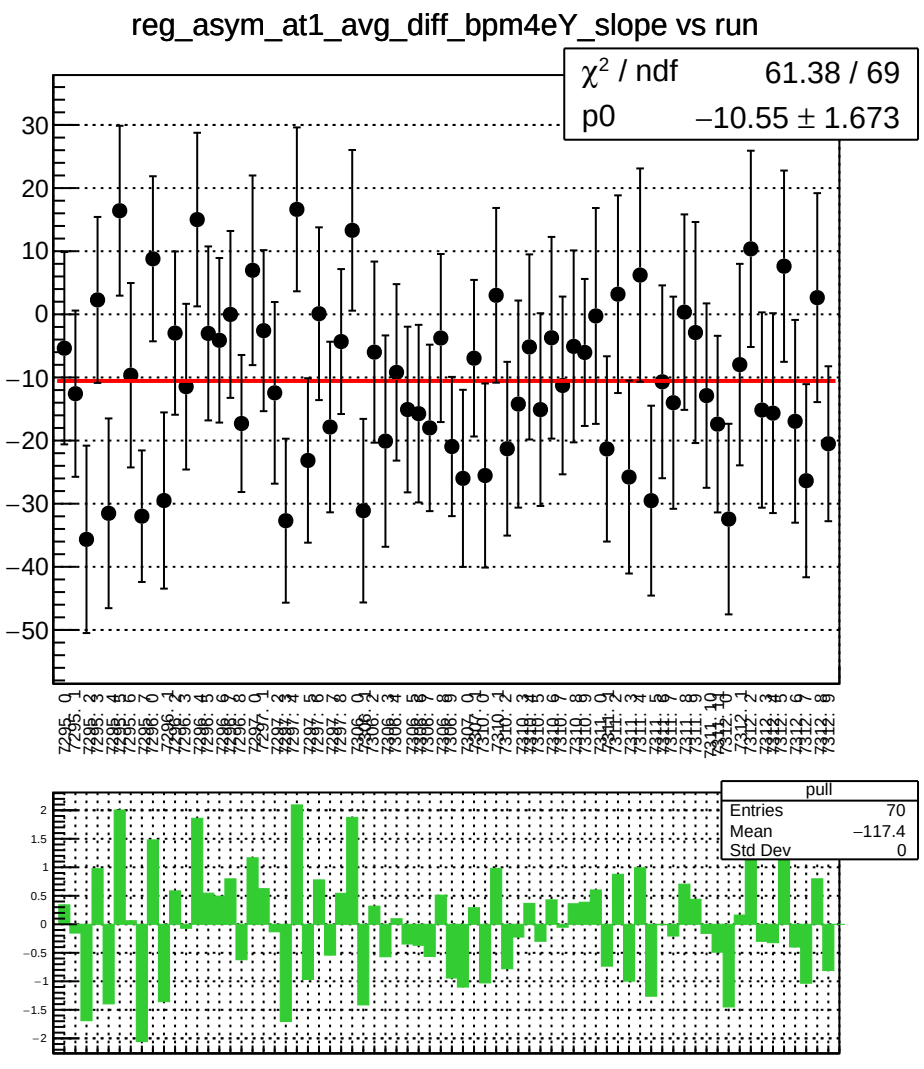

pull1D
Entries 70
Mean −0.07422
Std Dev 1.167

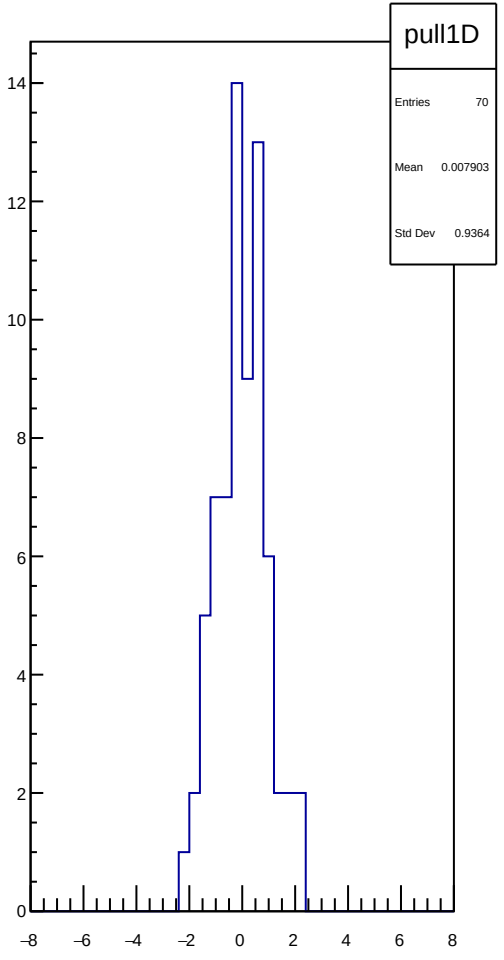

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.72 / 69
p0 2.959 ± 1.563
pull
Entries 70
Mean −220.8
Std Dev 0

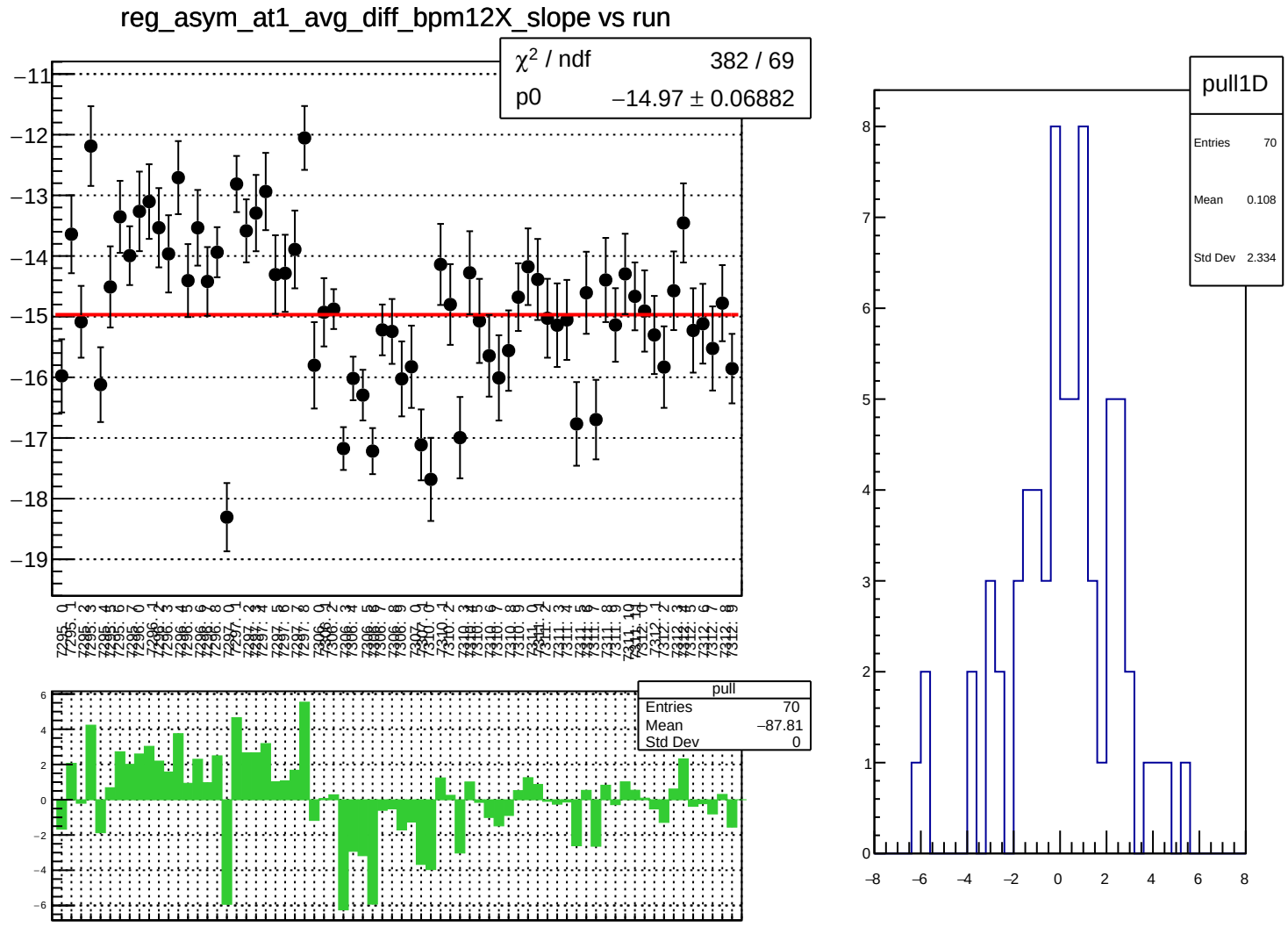

pull1D
Entries 70
Mean −0.01097
Std Dev 0.9313

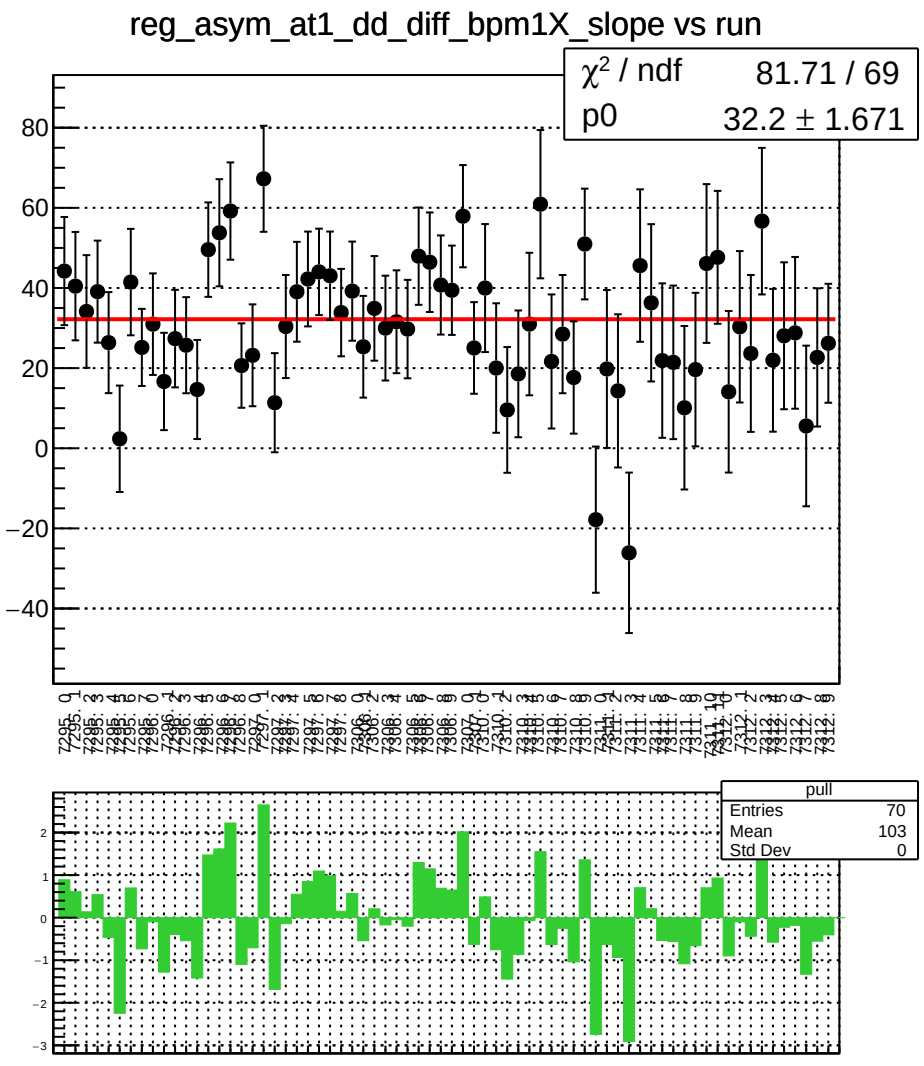

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 98.51 / 69
p0 5.073 ± 1.706
pull
Entries 70
Mean 112.6
Std Dev 0

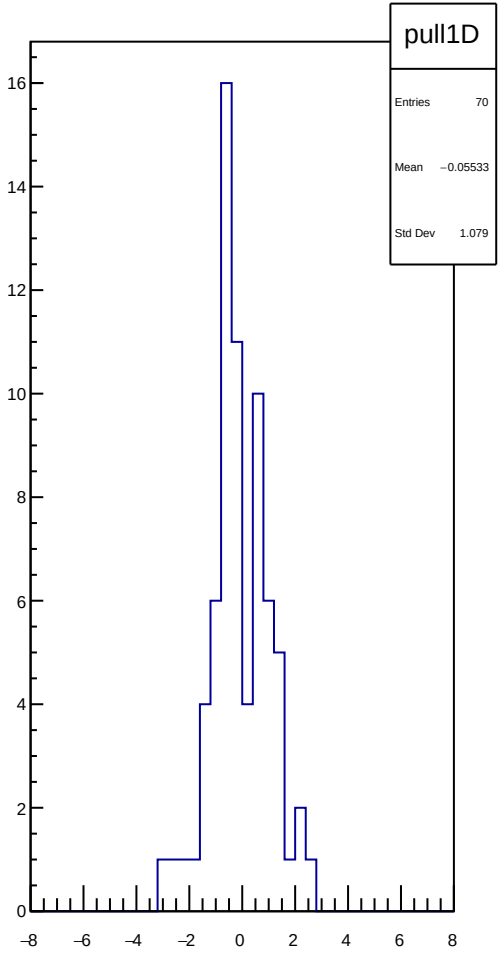

pull1D
Entries 70
Mean 0.08687
Std Dev 1.183

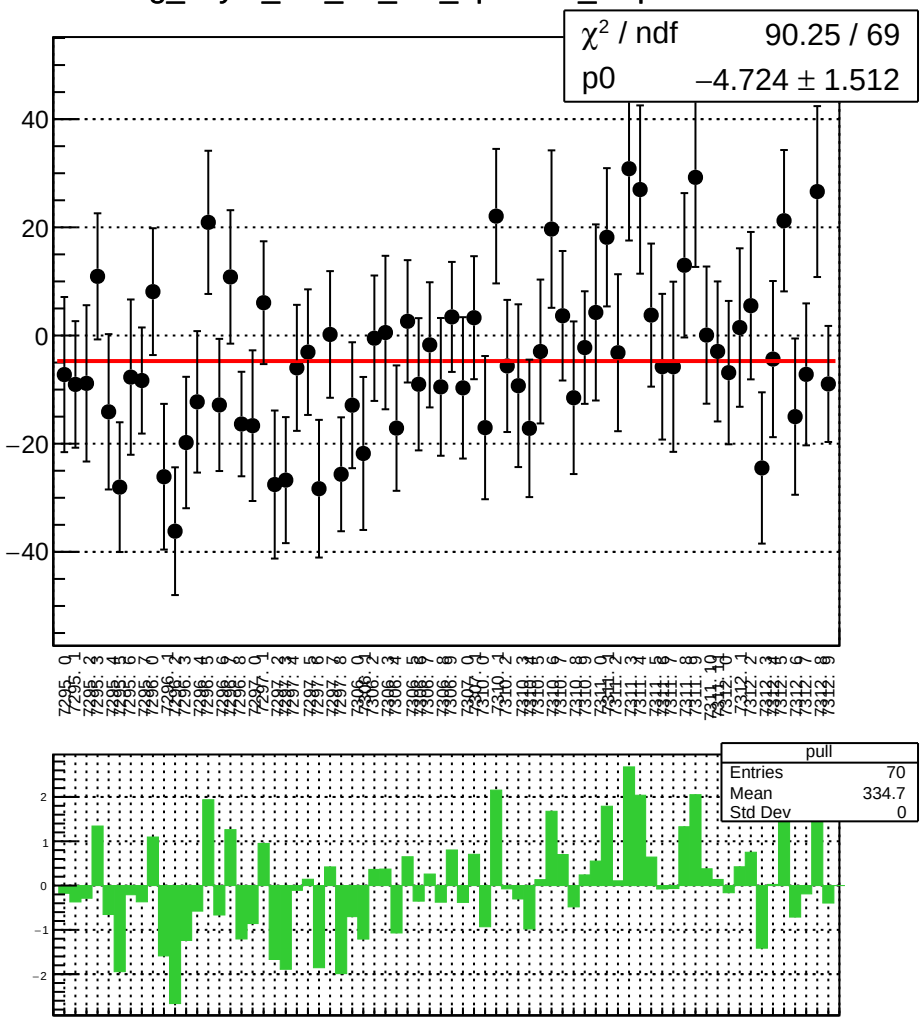

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 61.38 / 69
p0 −10.55 ± 1.673
pull
Entries 70
Mean −117.4
Std Dev 0

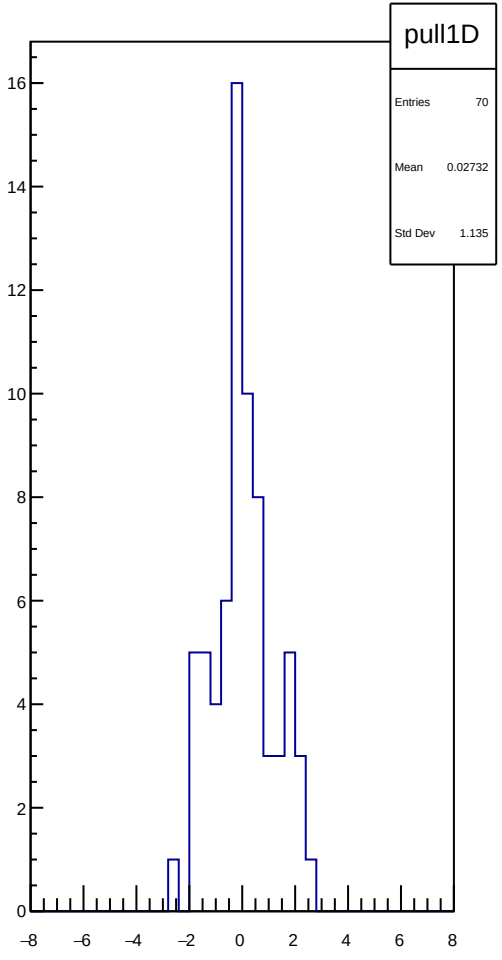

pull1D
Entries 70
Mean 0.007903
Std Dev 0.9364

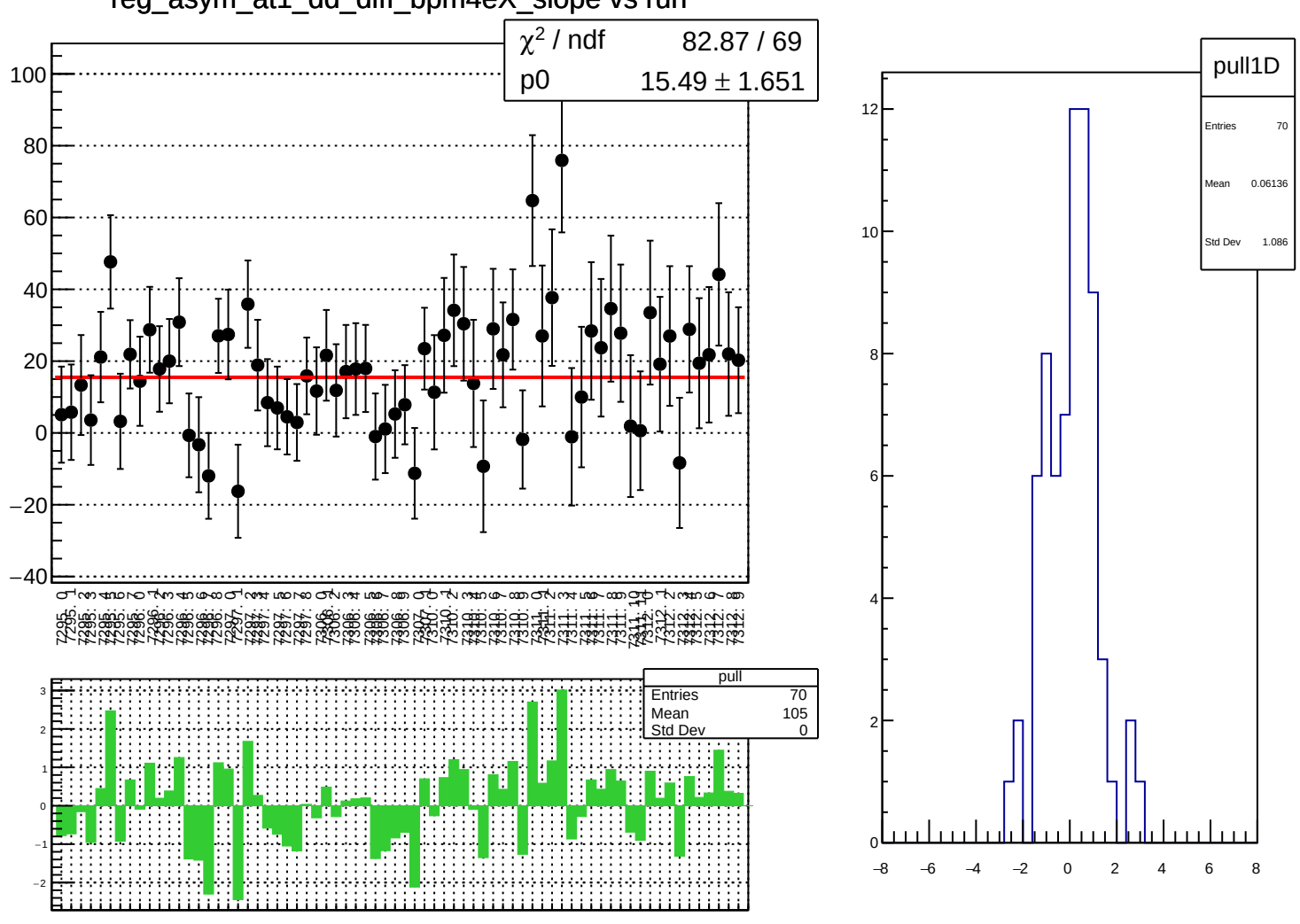

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 382 / 69
p0 −14.97 ± 0.06882
pull
Entries 70
Mean −87.81
Std Dev 0
pull1D
Entries 70
Mean 0.108
Std Dev 2.334

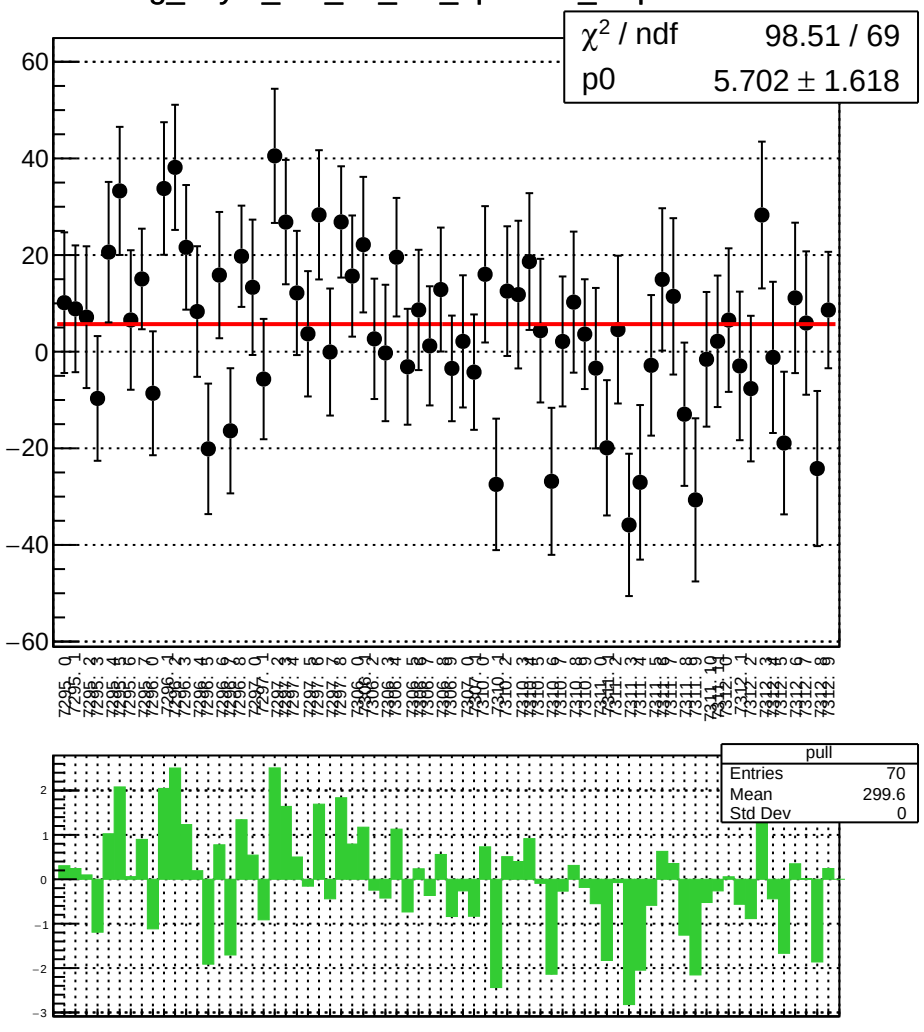

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 81.71 / 69
p0 32.2 ± 1.671
pull
Entries 70
Mean 103
Std Dev 0

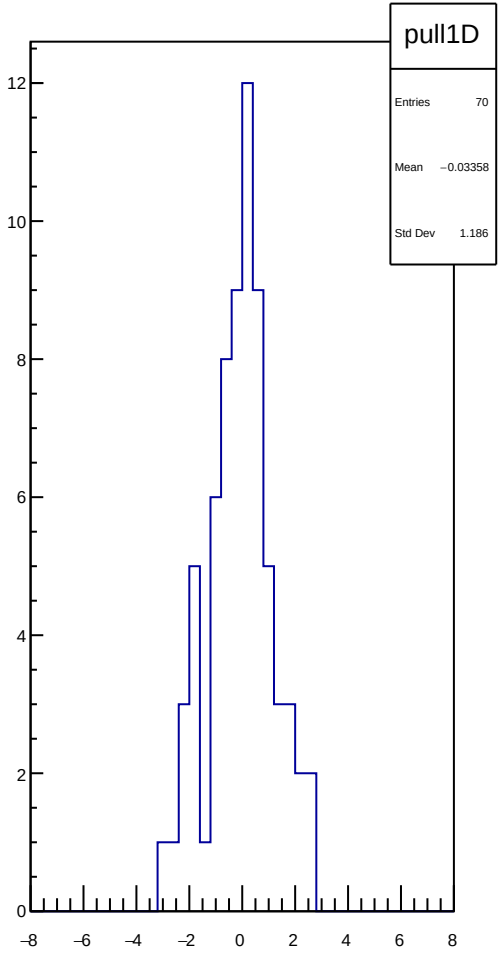

pull1D
Entries 70
Mean −0.05533
Std Dev 1.079

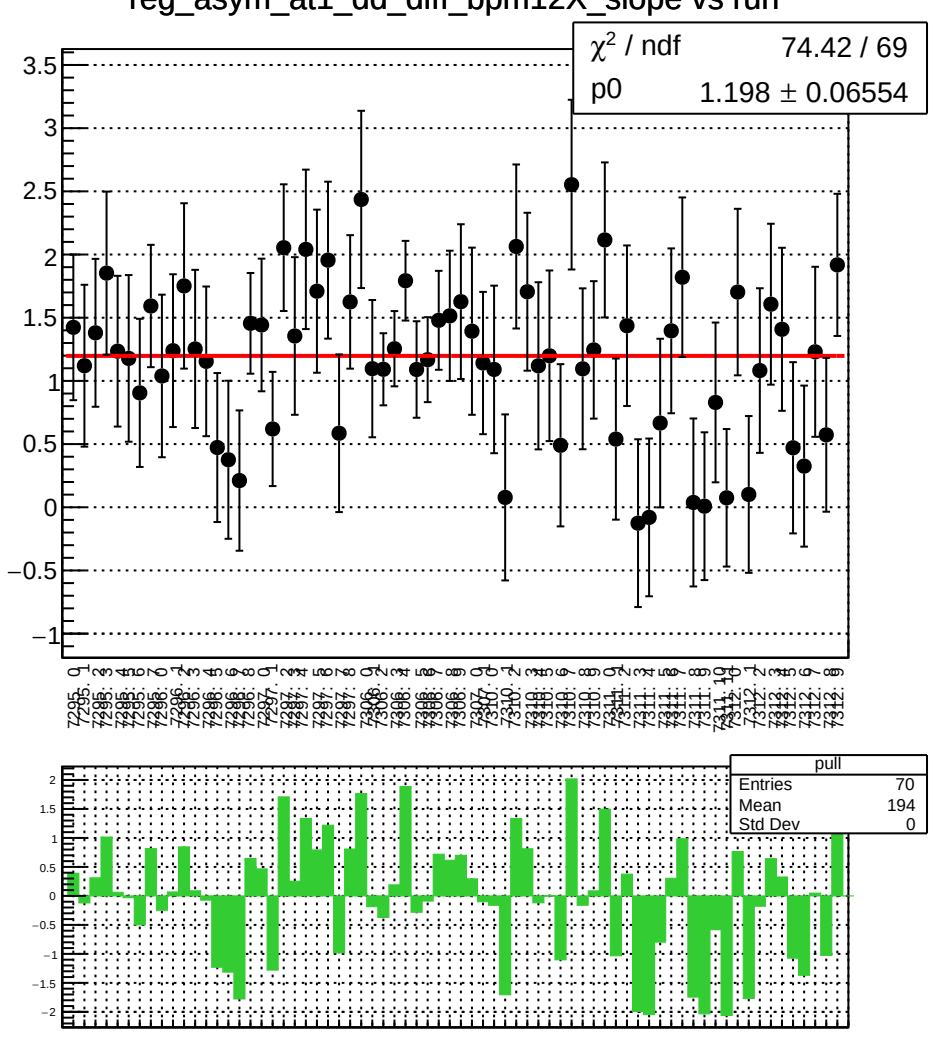

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.25 / 69
p0 −4.724 ± 1.512
pull
Entries 70
Mean 334.7
Std Dev 0

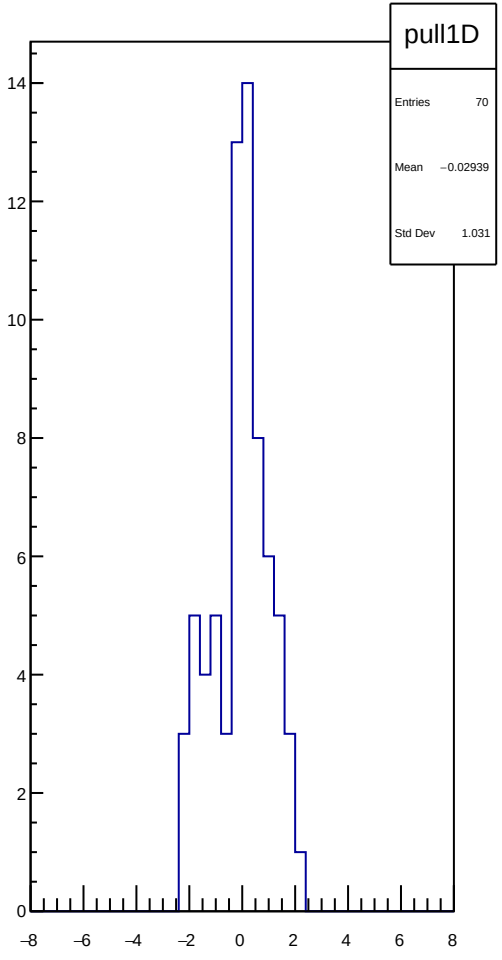

pull1D
Entries 70
Mean 0.02732
Std Dev 1.135

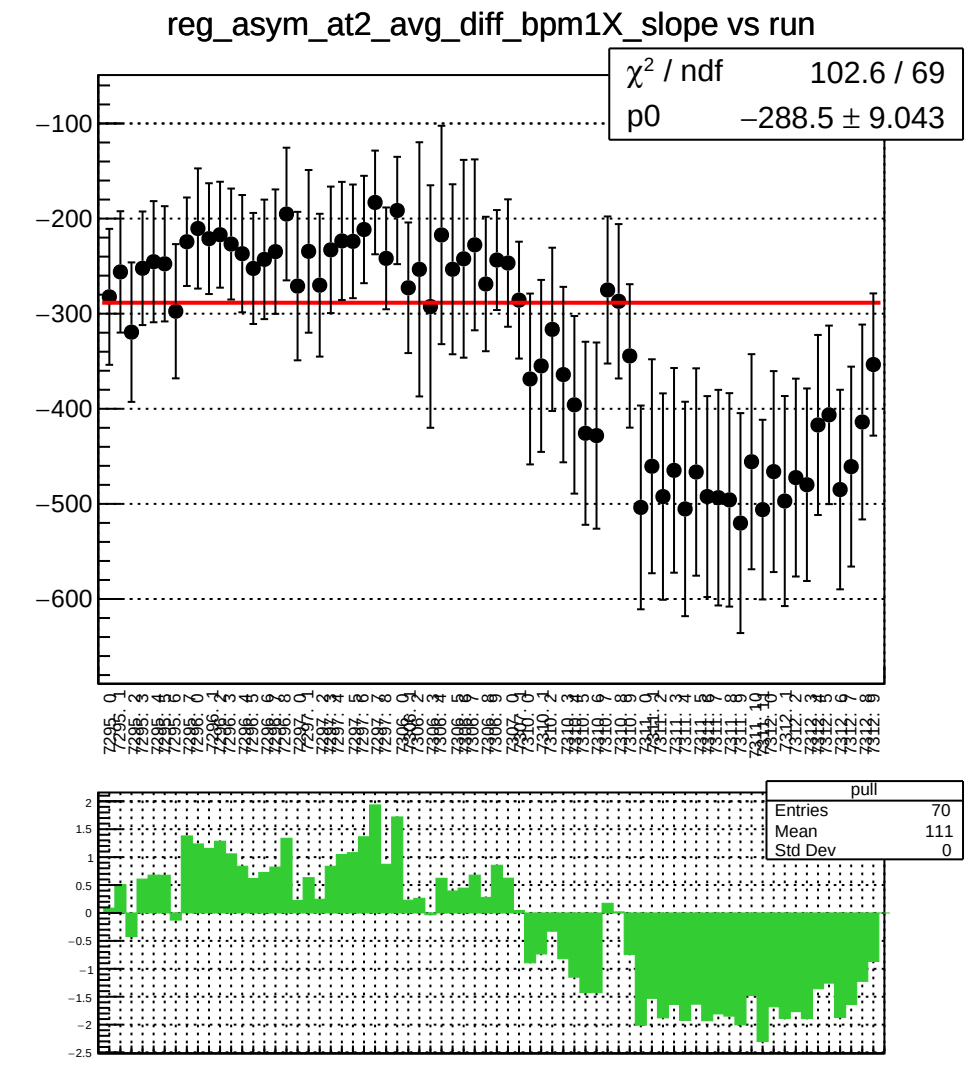

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.87 / 69
p0 15.49 ± 1.651
pull
Entries 70
Mean 105
Std Dev 0
pull1D
Entries 70
Mean 0.06136
Std Dev 1.086

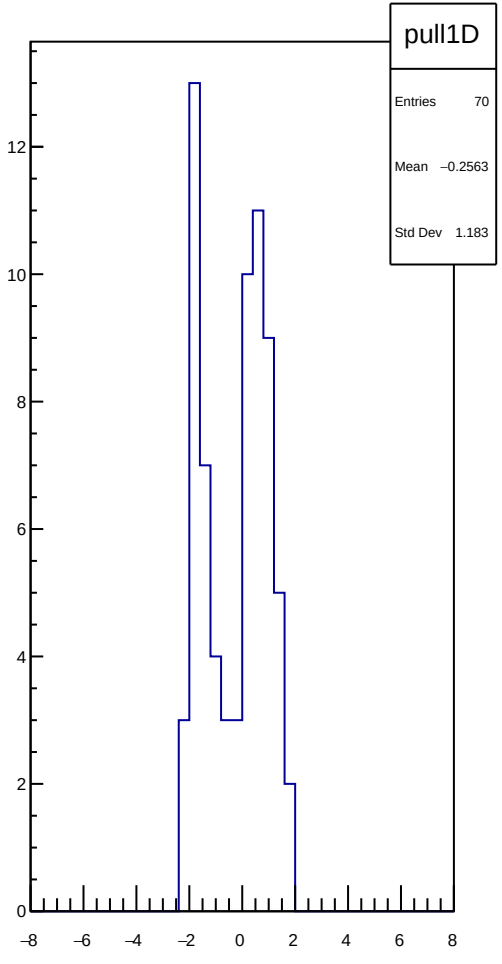

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 98.51 / 69
p0 5.702 ± 1.618
pull
Entries 70
Mean 299.6
Std Dev 0

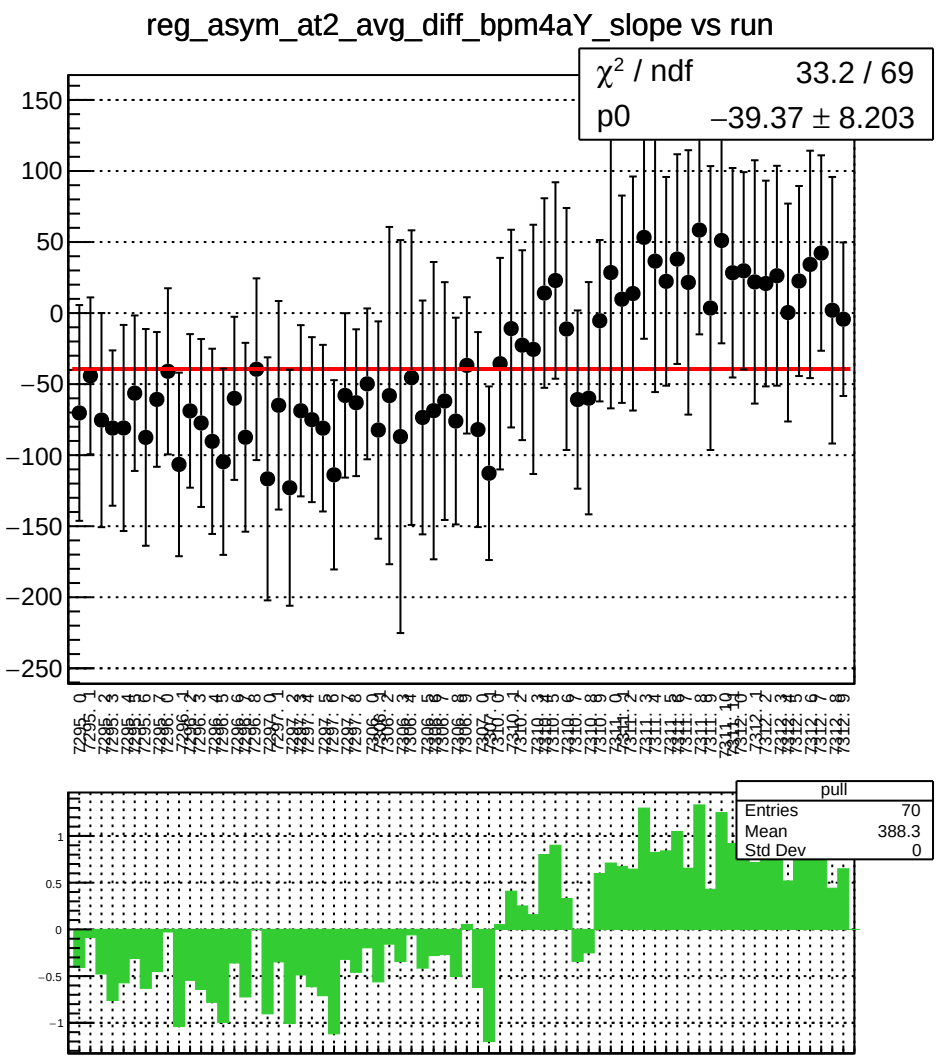

pull1D
Entries 70
Mean −0.03358
Std Dev 1.186

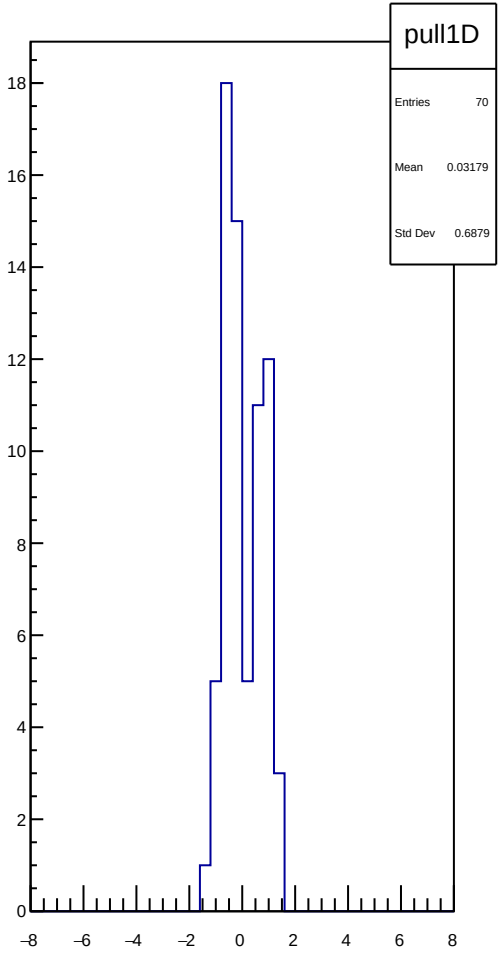

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 74.42 / 69
p0 1.198 ± 0.06554
pull
Entries 70
Mean 194
Std Dev 0

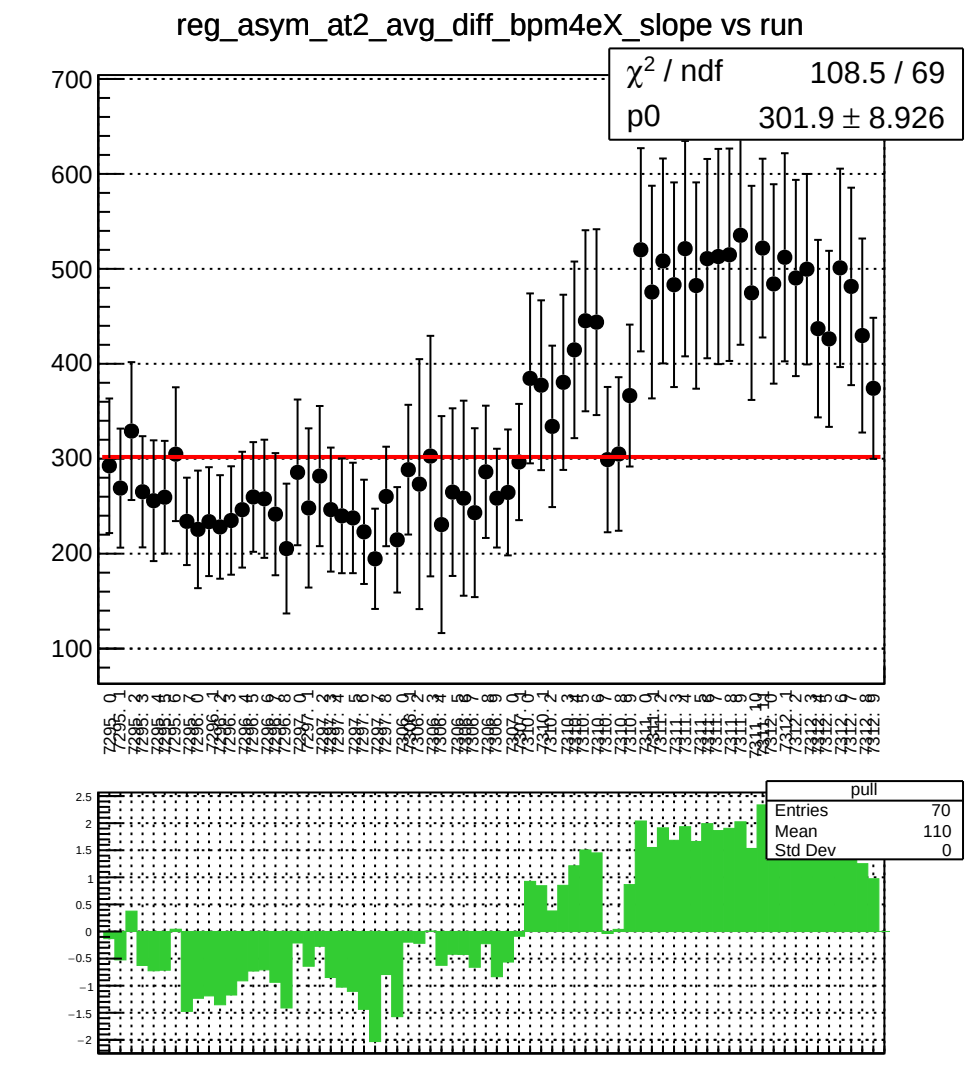

pull1D
Entries 70
Mean −0.02939
Std Dev 1.031

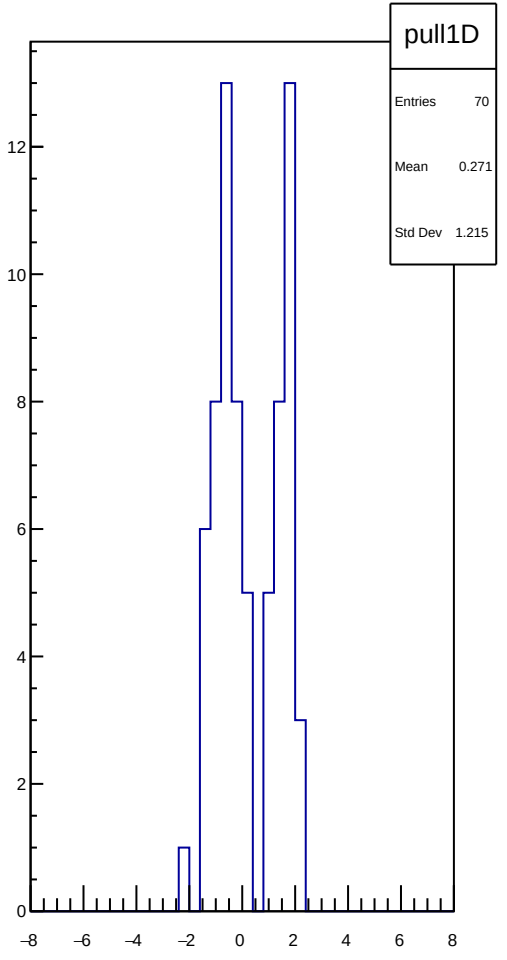

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 102.6 / 69
p0 −288.5 ± 9.043
pull
Entries 70
Mean 111
Std Dev 0

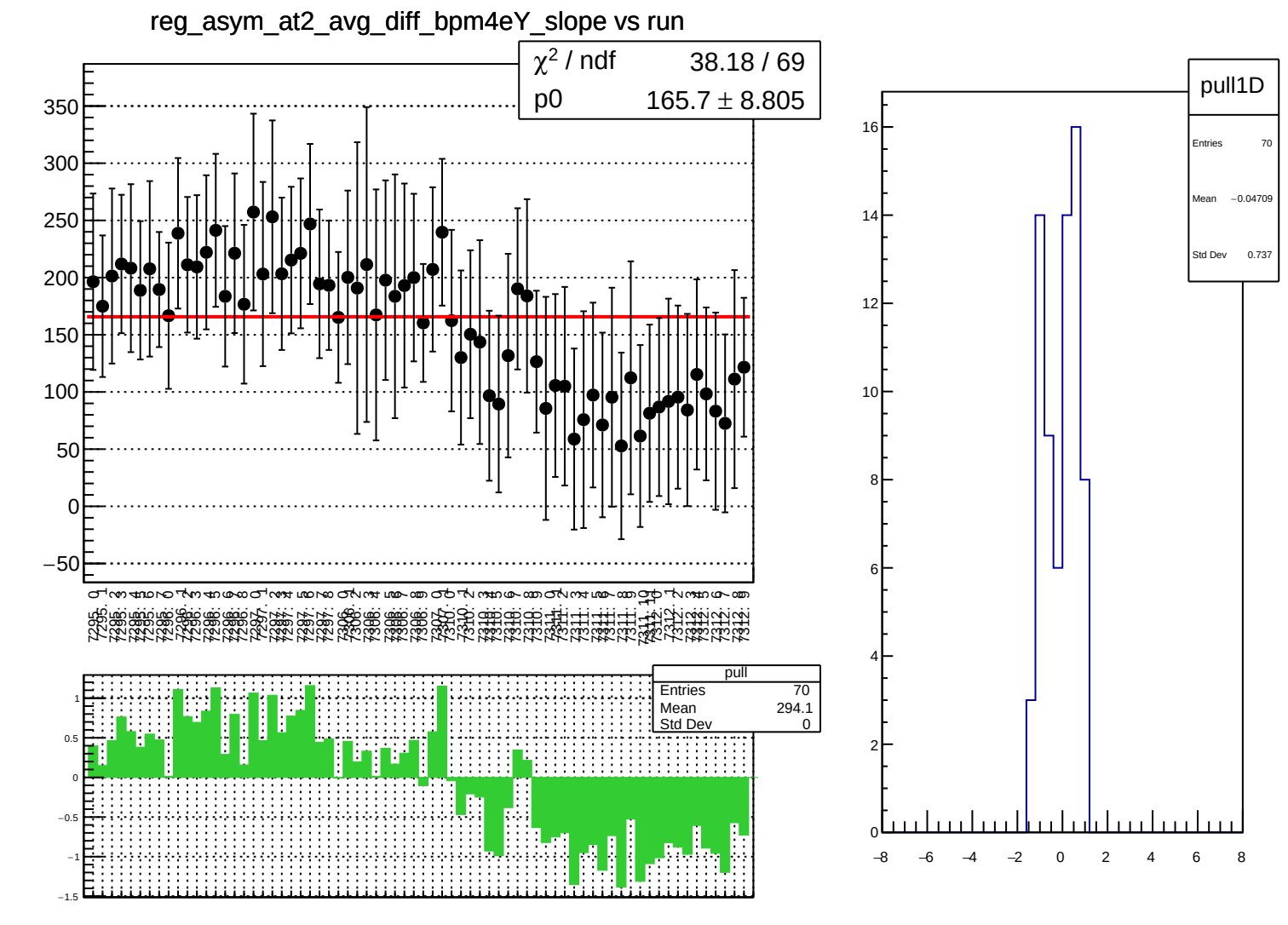

pull1D
Entries 70
Mean −0.2563
Std Dev 1.183

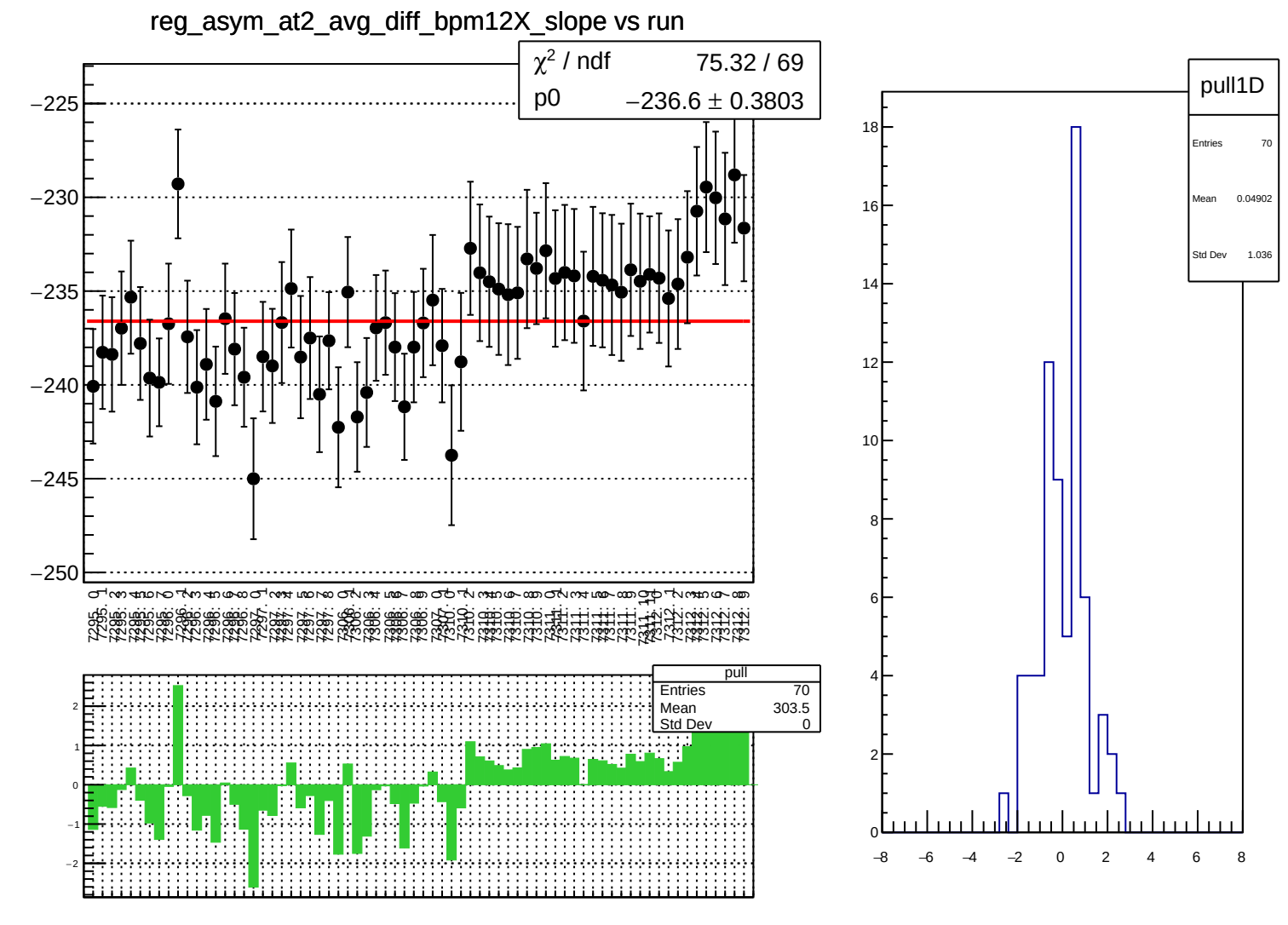

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.2 / 69
p0 −39.37 ± 8.203
pull
Entries 70
Mean 388.3
Std Dev 0

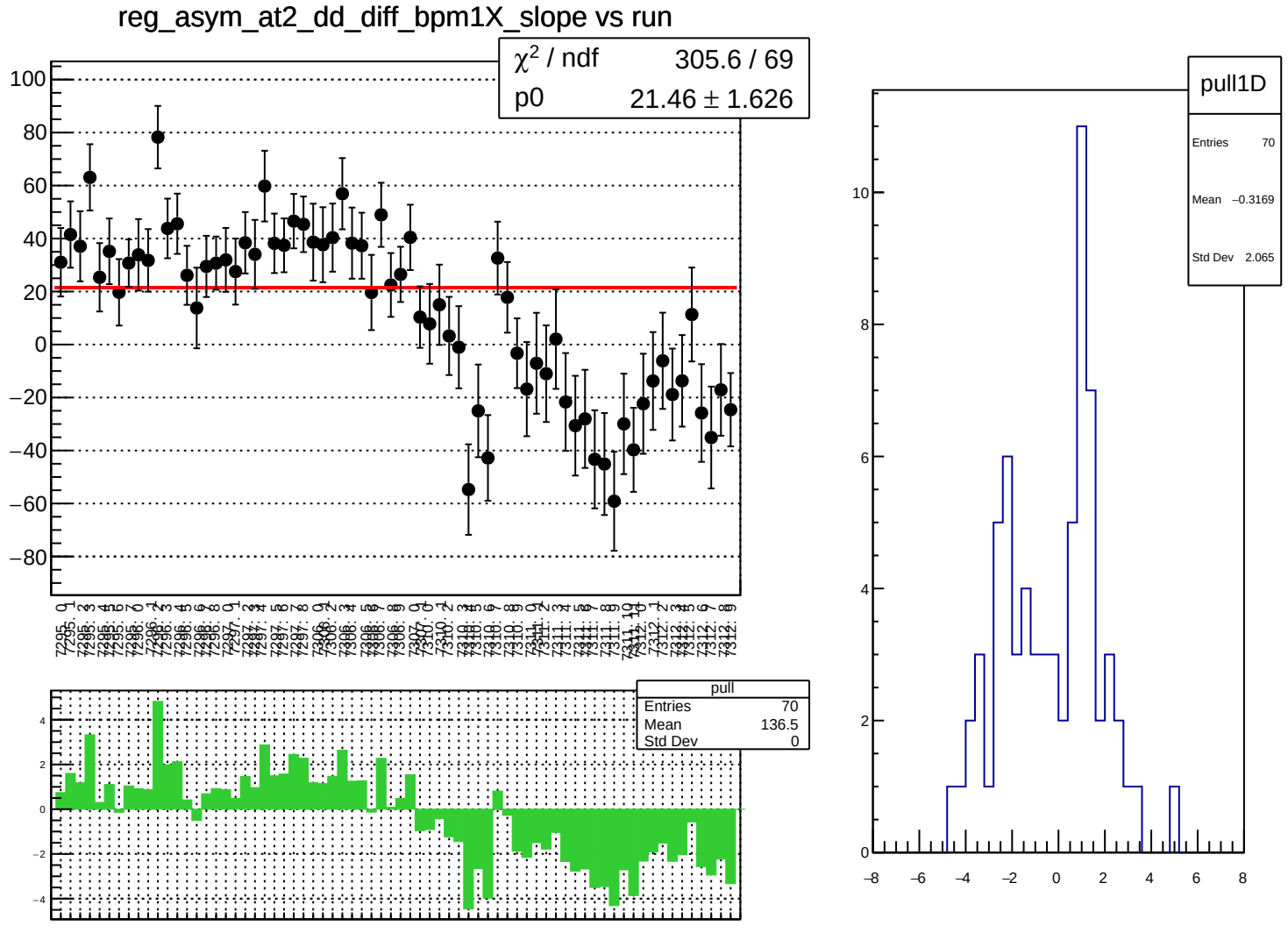

pull1D
Entries 70
Mean 0.03179
Std Dev 0.6879

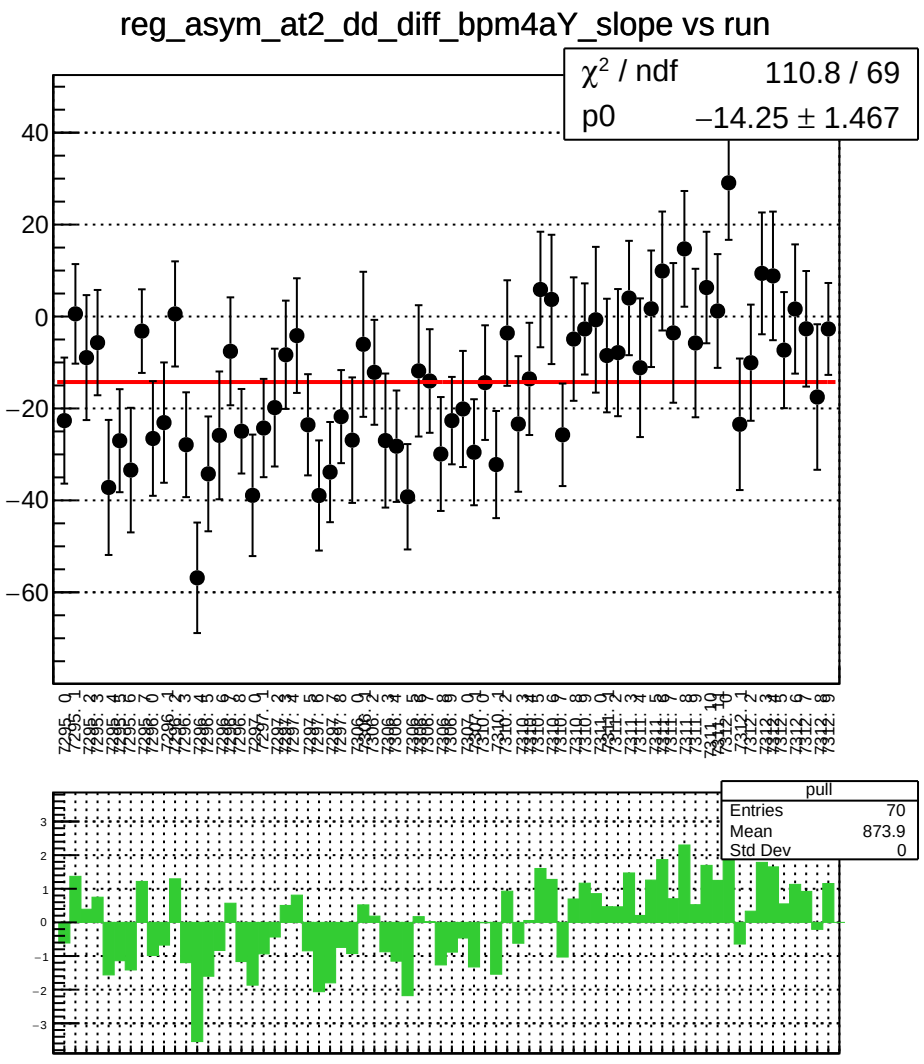

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 108.5 / 69
p0 301.9 ± 8.926
700
600
500
400
300
200
100
pull
Entries 70
Mean 110
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

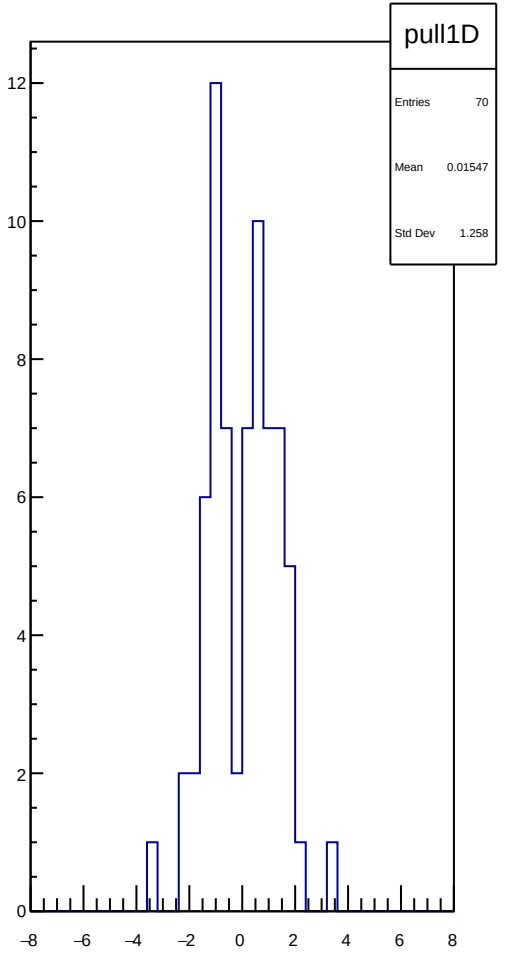

pull1D
Entries 70
Mean 0.271
Std Dev 1.215
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

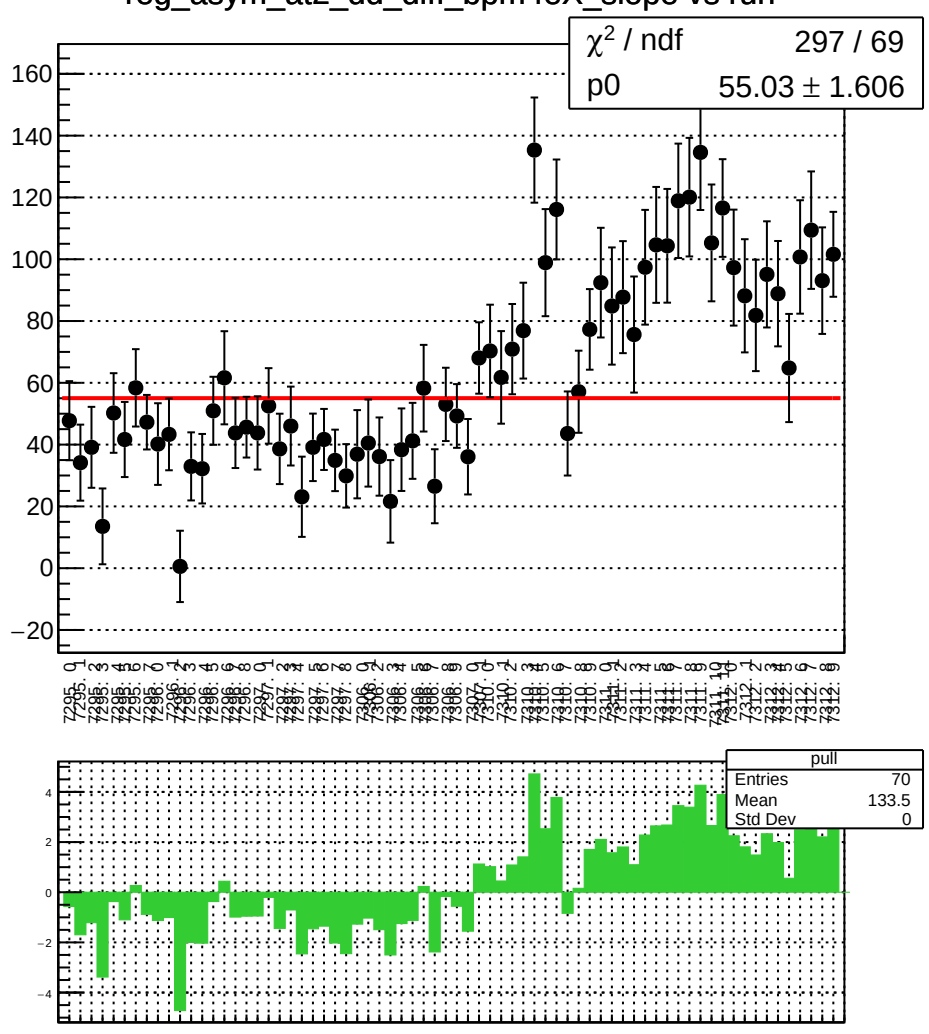

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.18 / 69
p0 165.7 ± 8.805
pull
Entries 70
Mean 294.1
Std Dev 0
pull1D
Entries 70
Mean −0.04709
Std Dev 0.737

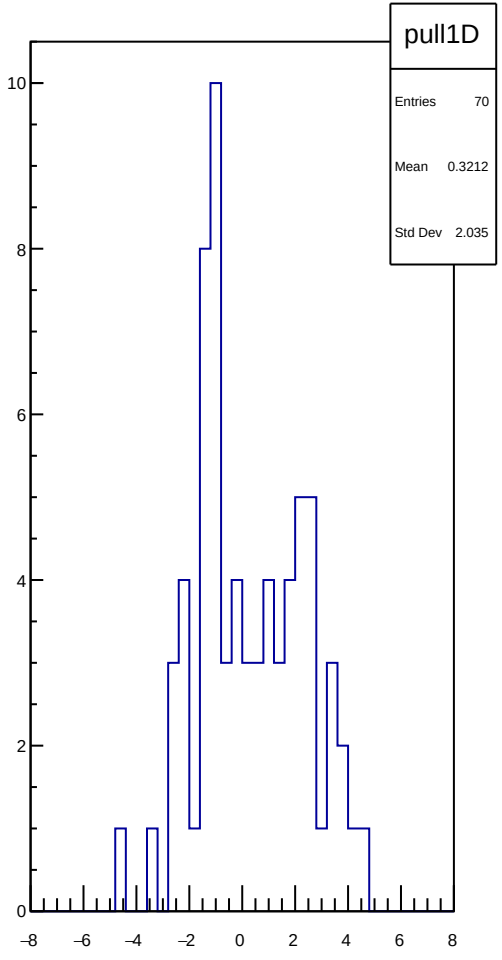

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 75.32 / 69
p0 −236.6 ± 0.3803
pull
Entries 70
Mean 303.5
Std Dev 0
pull1D
Entries 70
Mean 0.04902
Std Dev 1.036

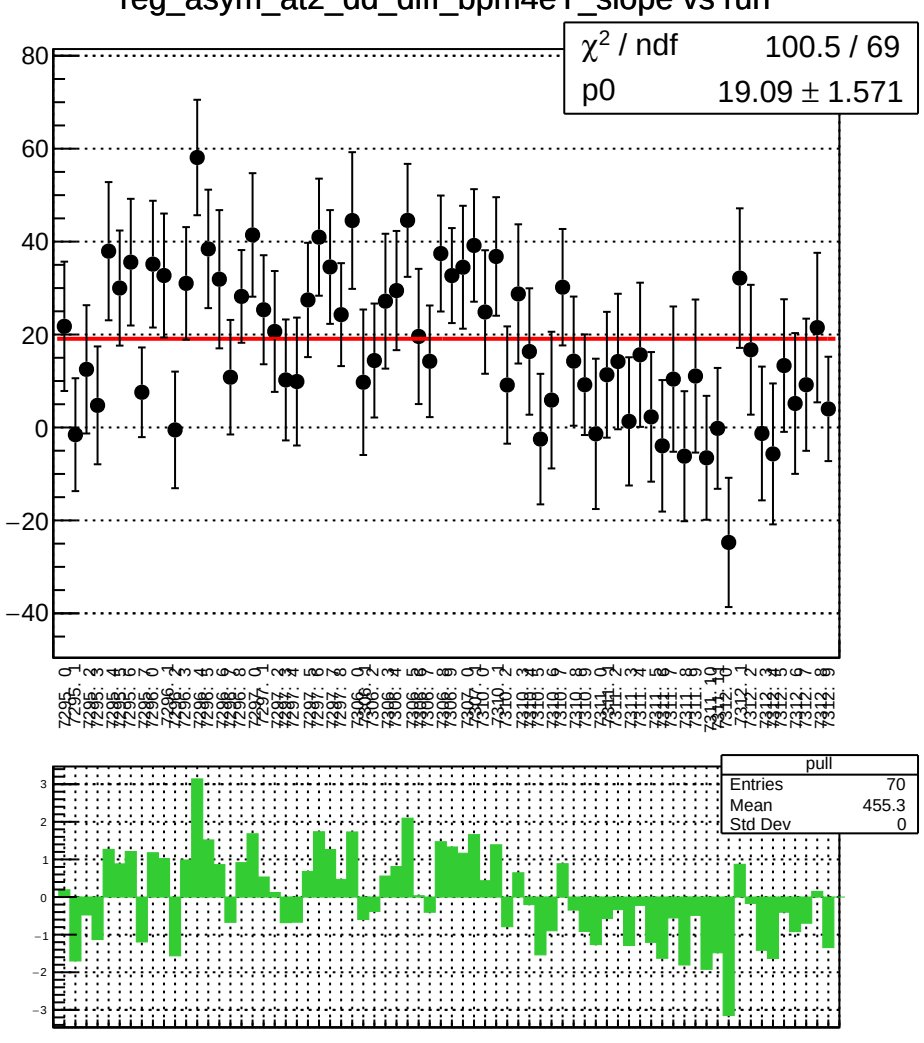

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 305.6 / 69
p0 21.46 ± 1.626
pull
Entries 70
Mean 136.5
Std Dev 0
pull1D
Entries 70
Mean −0.3169
Std Dev 2.065

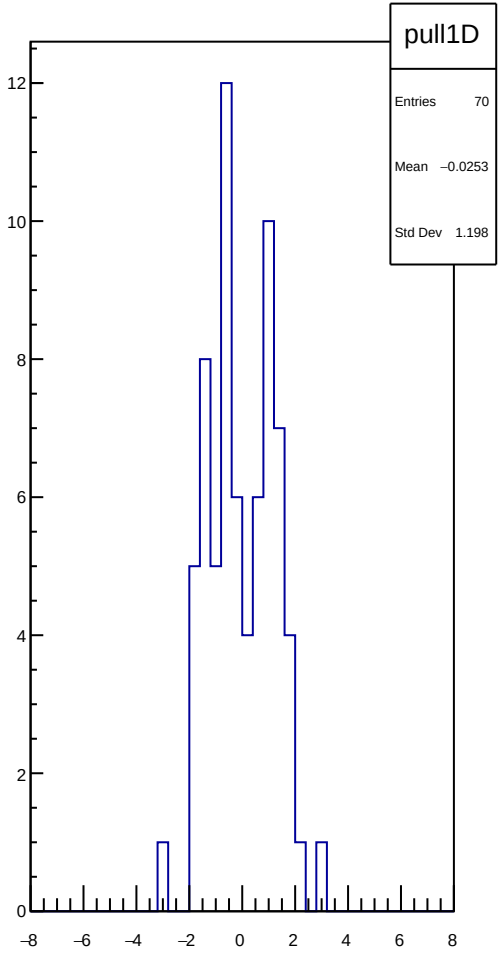

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 110.8 / 69
p0 −14.25 ± 1.467
pull
Entries 70
Mean 873.9
Std Dev 0

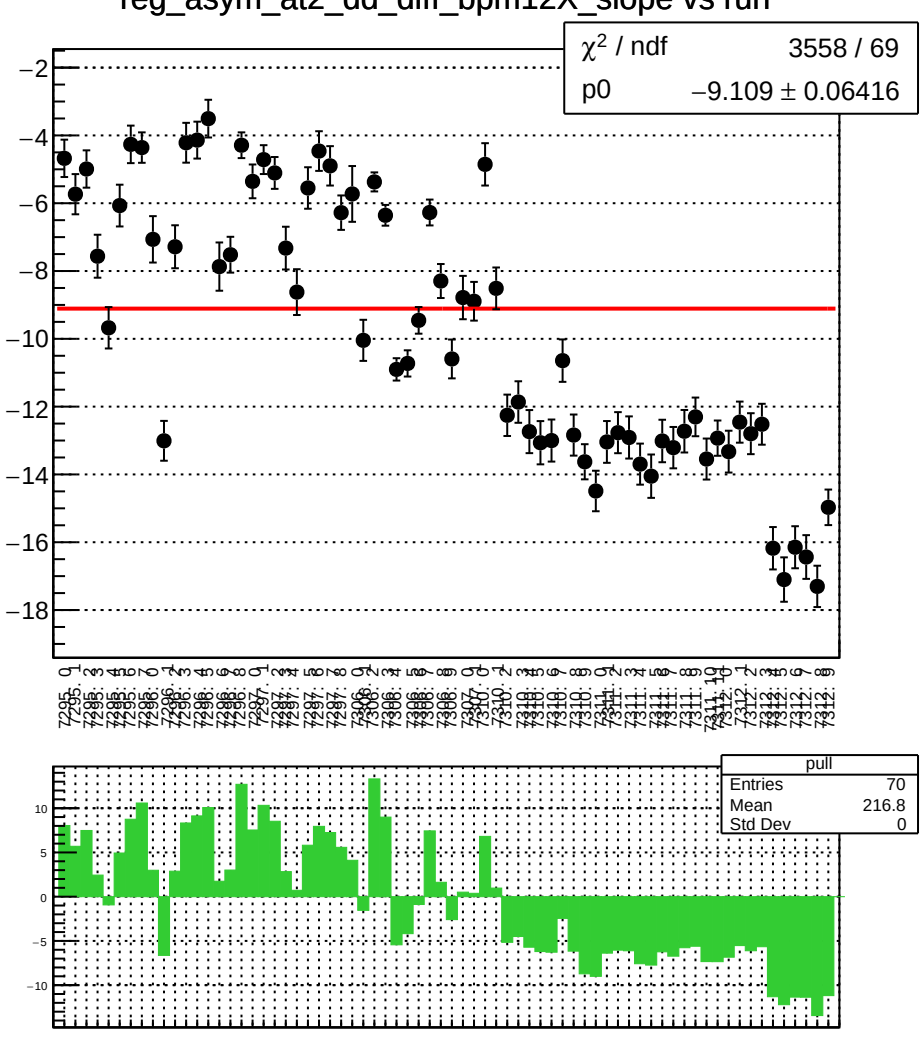

pull1D
Entries 70
Mean 0.01547
Std Dev 1.258

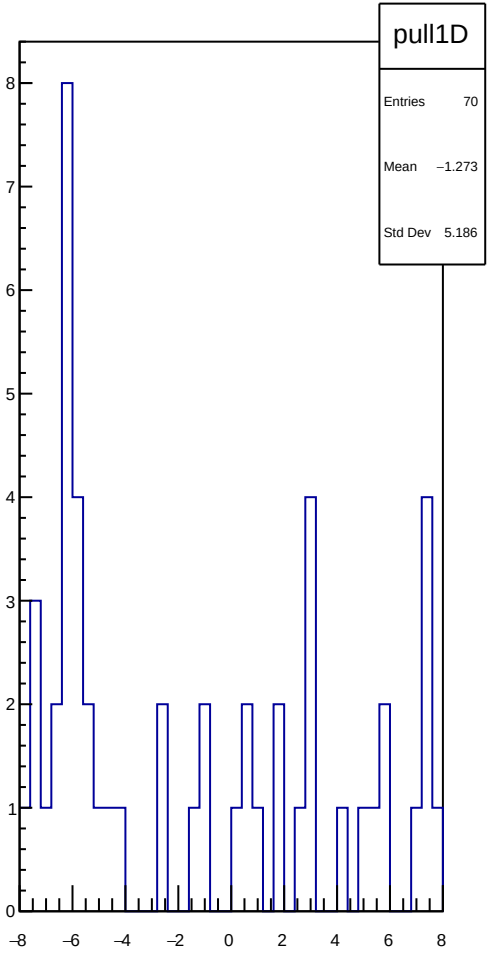

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 297 / 69
p0 55.03 ± 1.606
pull
Entries 70
Mean 133.5
Std Dev 0

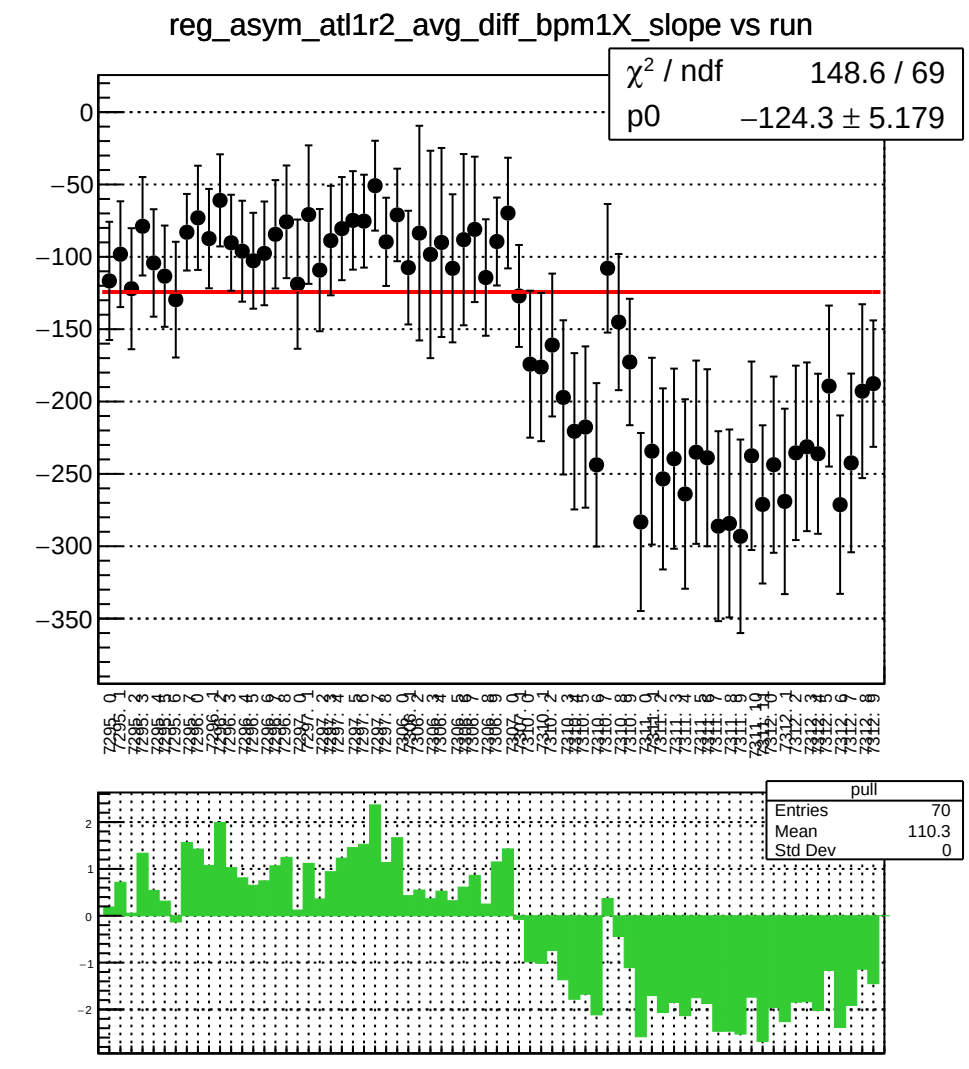

pull1D
Entries 70
Mean 0.3212
Std Dev 2.035

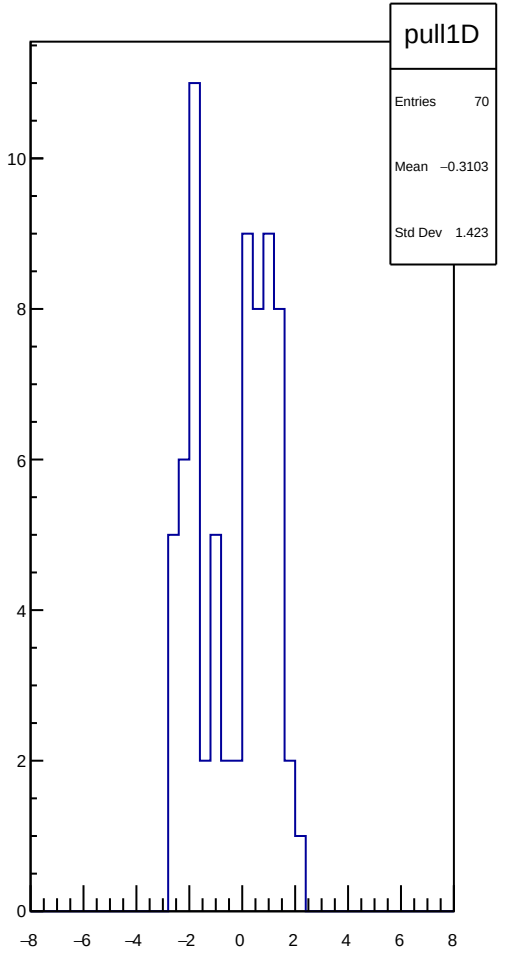

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.5 / 69
p0 19.09 ± 1.571
pull
Entries 70
Mean 455.3
Std Dev 0

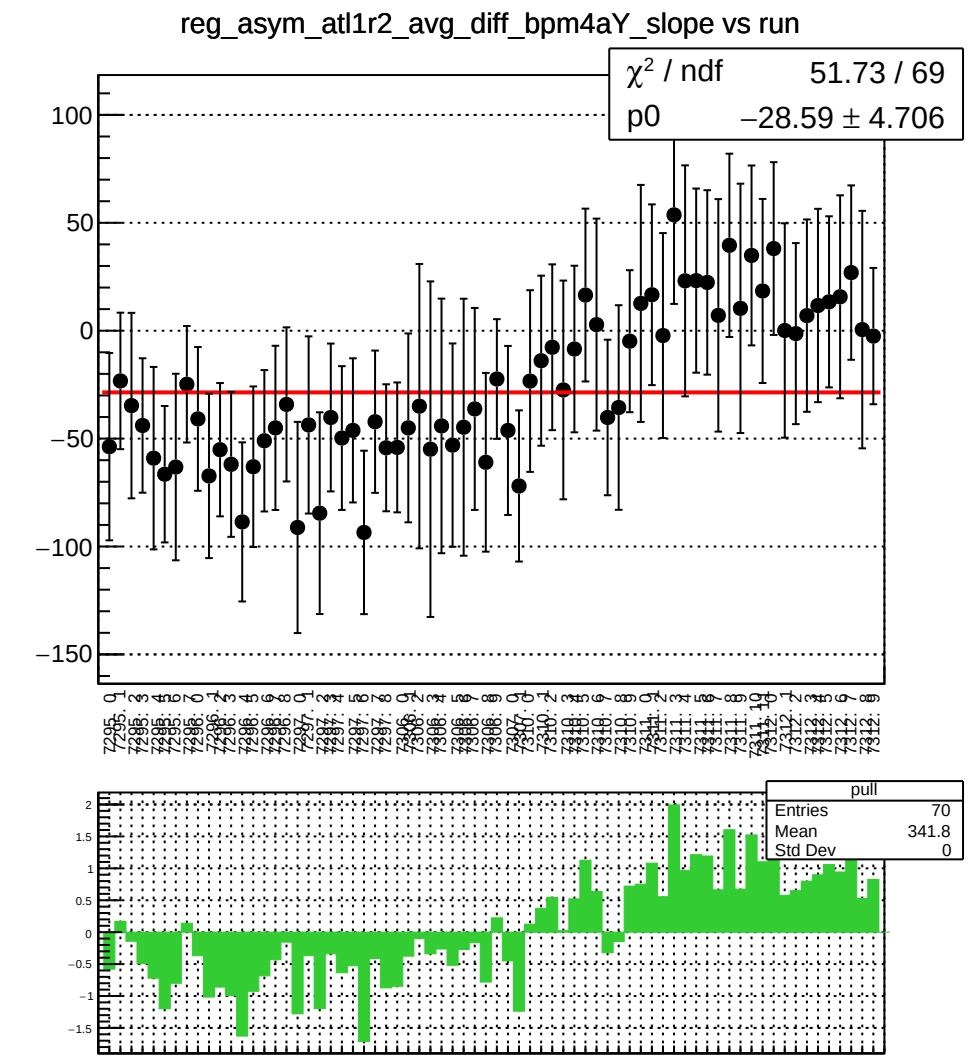

pull1D
Entries 70
Mean −0.0253
Std Dev 1.198

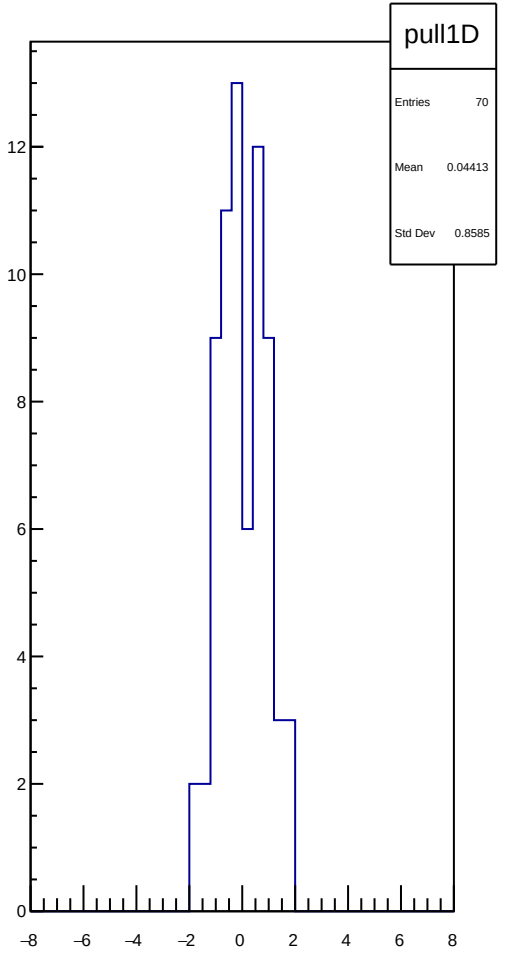

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 3558 / 69
p0 −9.109 ± 0.06416
pull
Entries 70
Mean 216.8
Std Dev 0

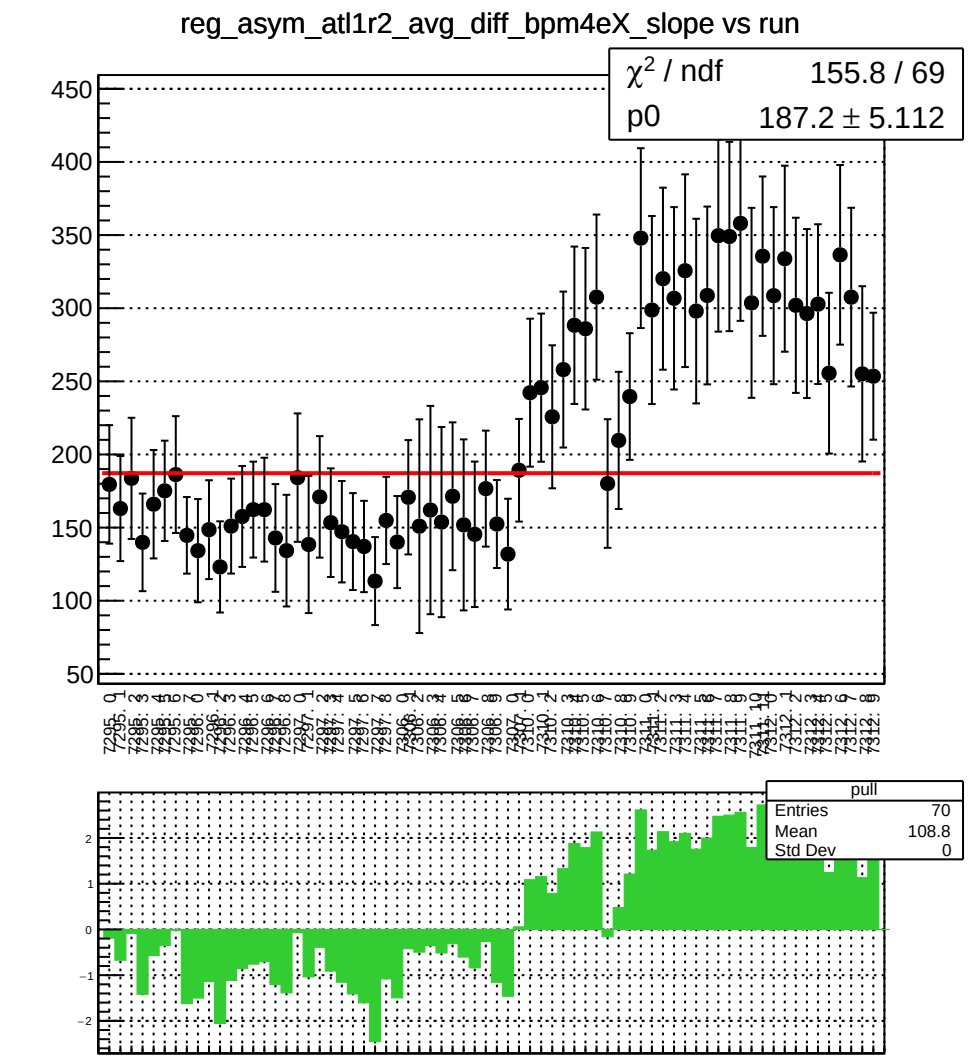

pull1D
Entries 70
Mean −1.273
Std Dev 5.186

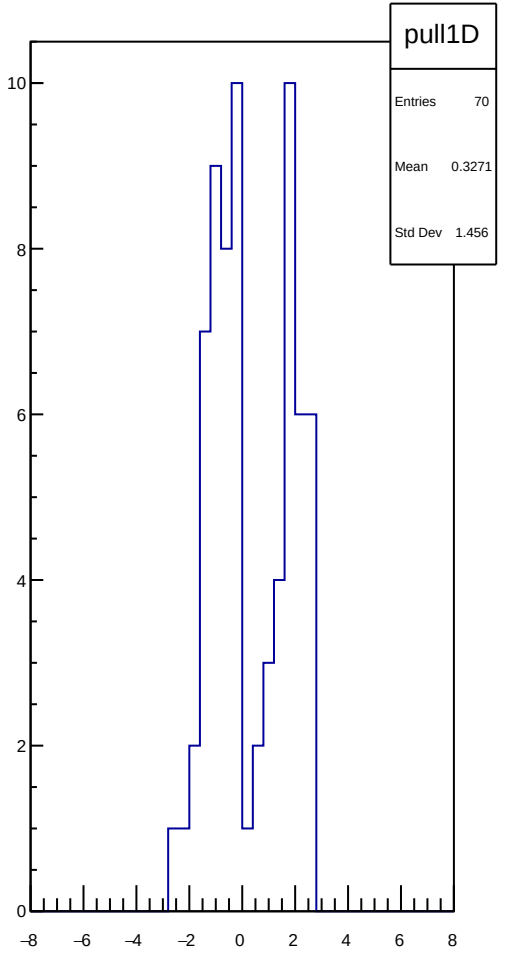

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 148.6 / 69
p0 −124.3 ± 5.179
pull
Entries 70
Mean 110.3
Std Dev 0

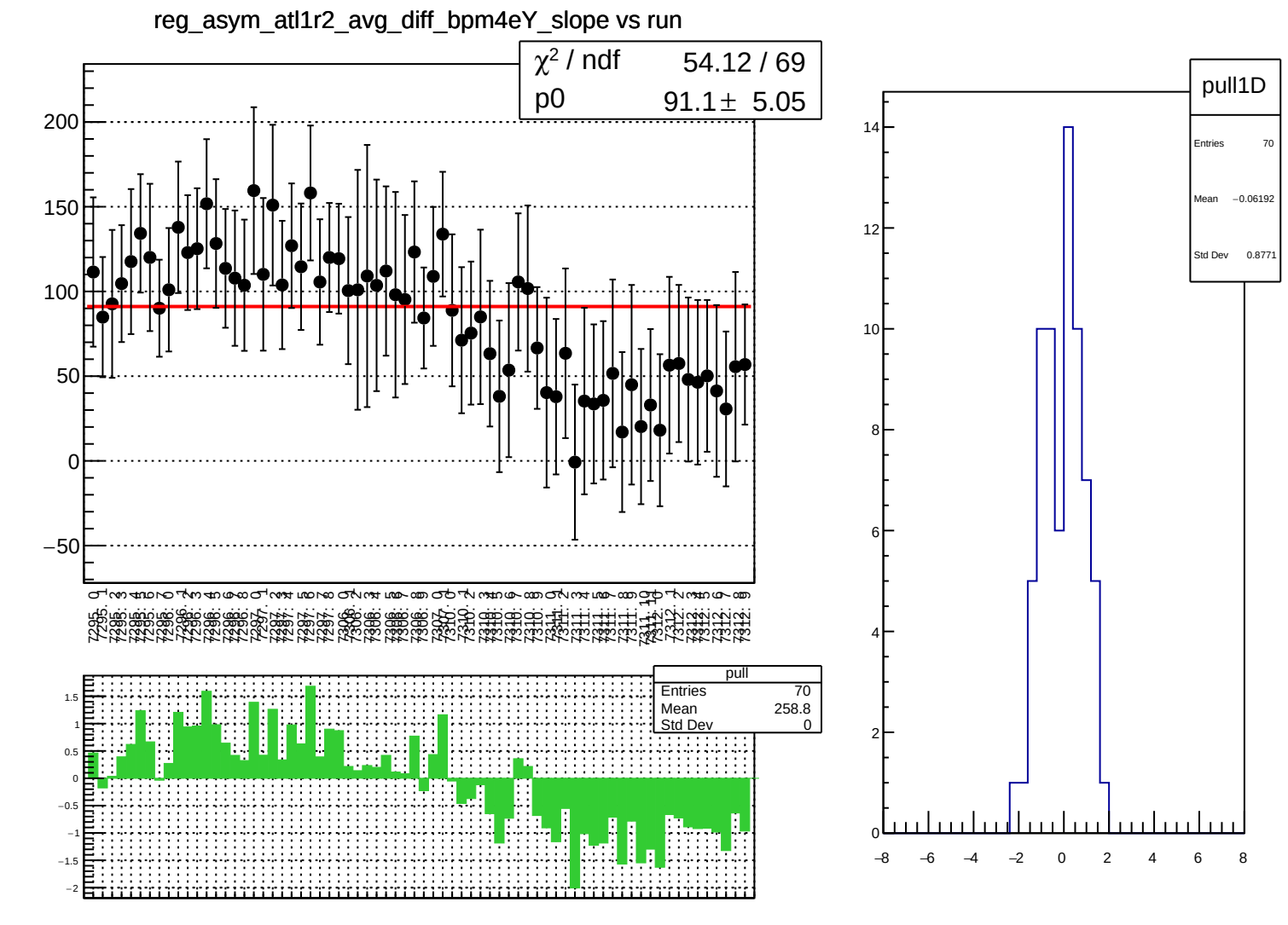

pull1D
Entries 70
Mean −0.3103
Std Dev 1.423

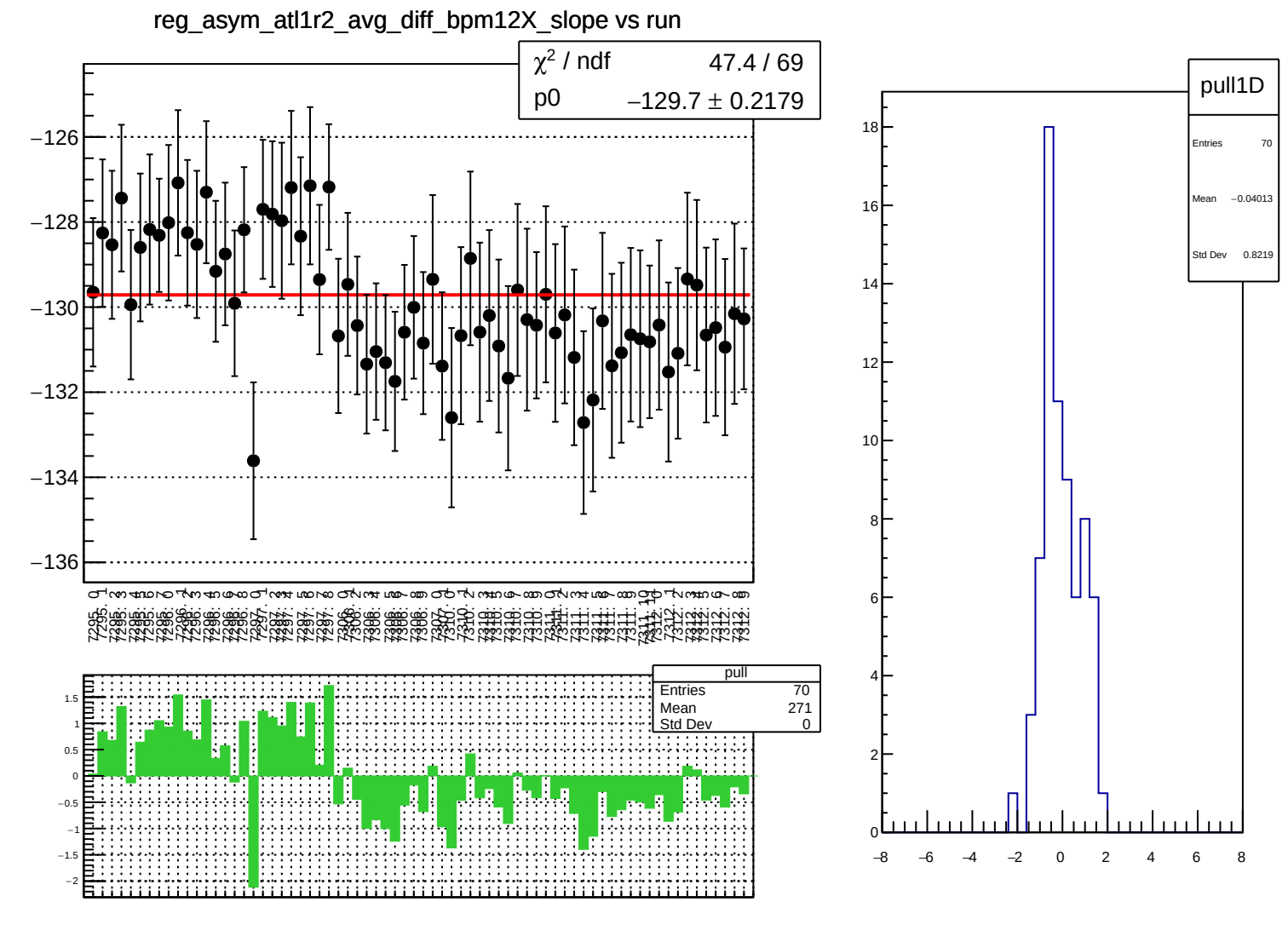

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.73 / 69
p0 −28.59 ± 4.706
pull
Entries 70
Mean 341.8
Std Dev 0

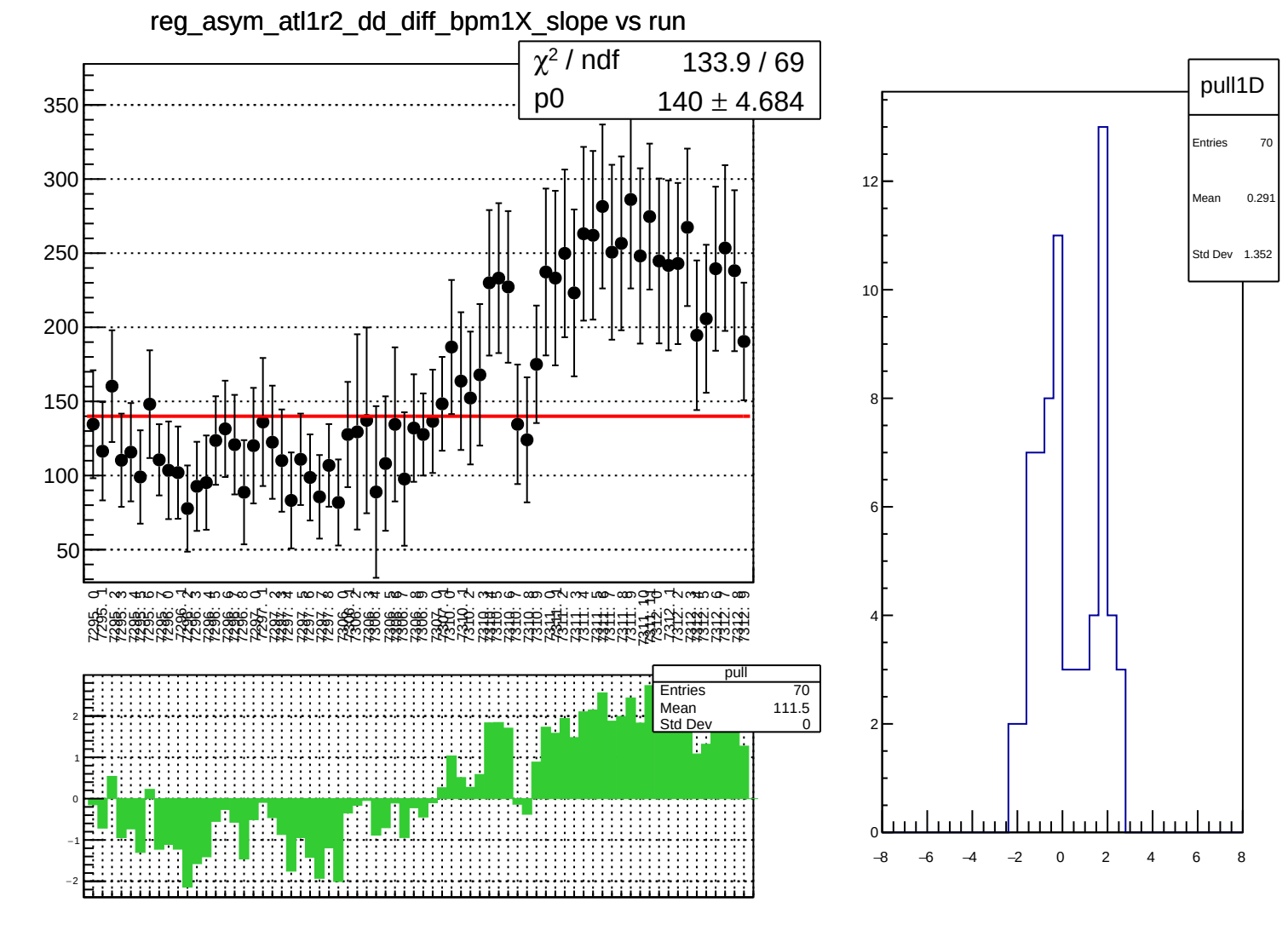

pull1D
Entries 70
Mean 0.04413
Std Dev 0.8585

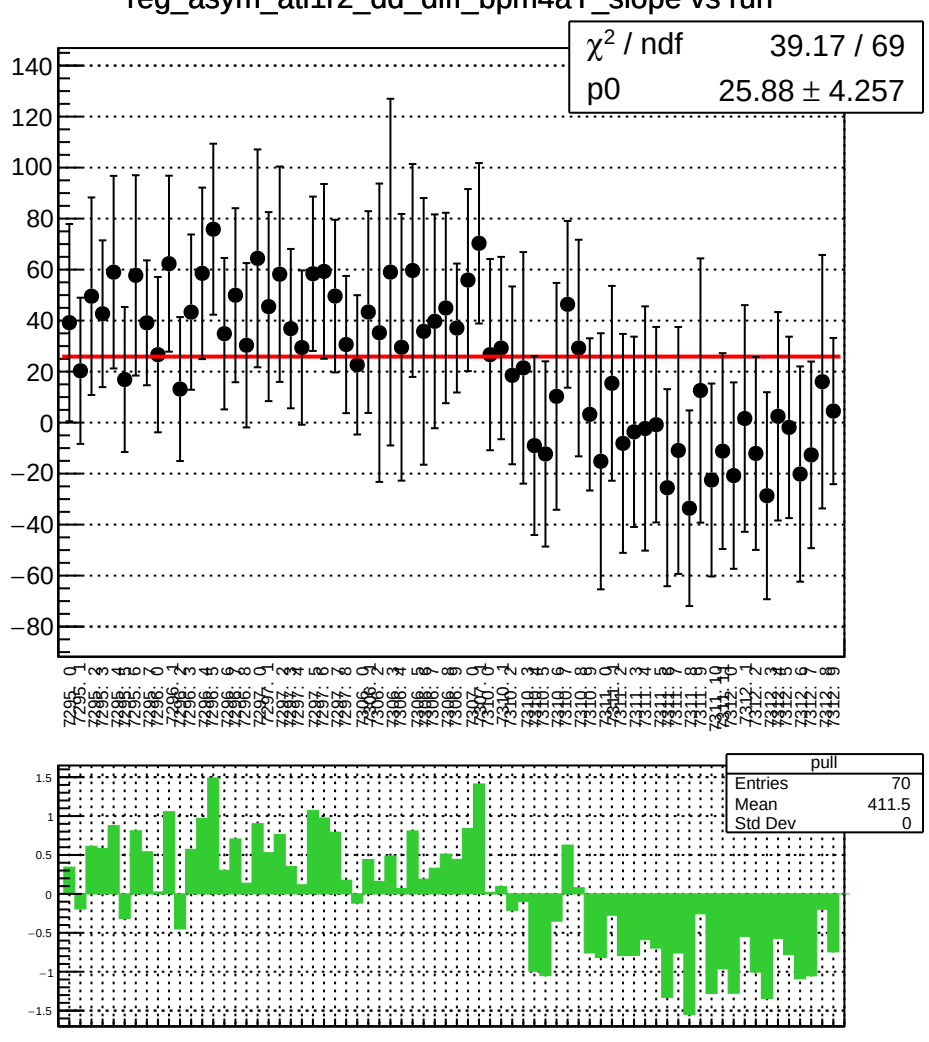

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 155.8 / 69
p0 187.2 ± 5.112
pull
Entries 70
Mean 108.8
Std Dev 0

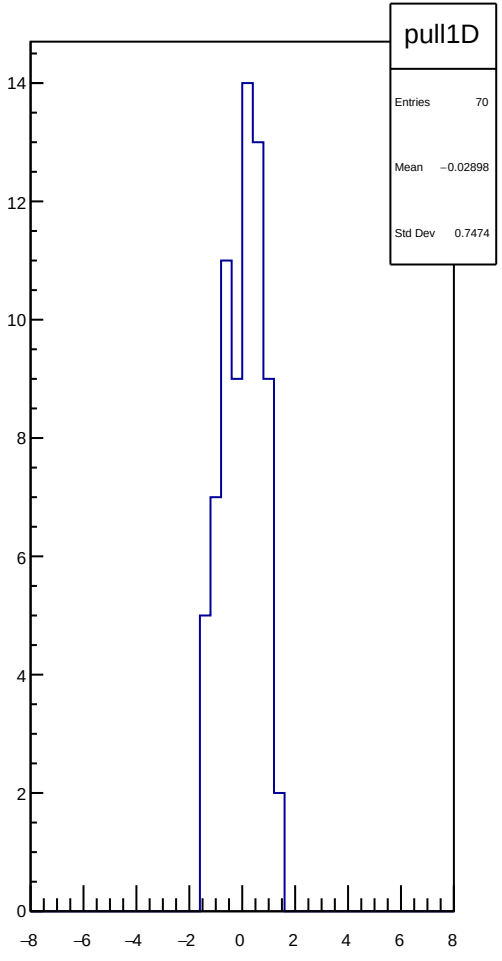

pull1D
Entries 70
Mean 0.3271
Std Dev 1.456

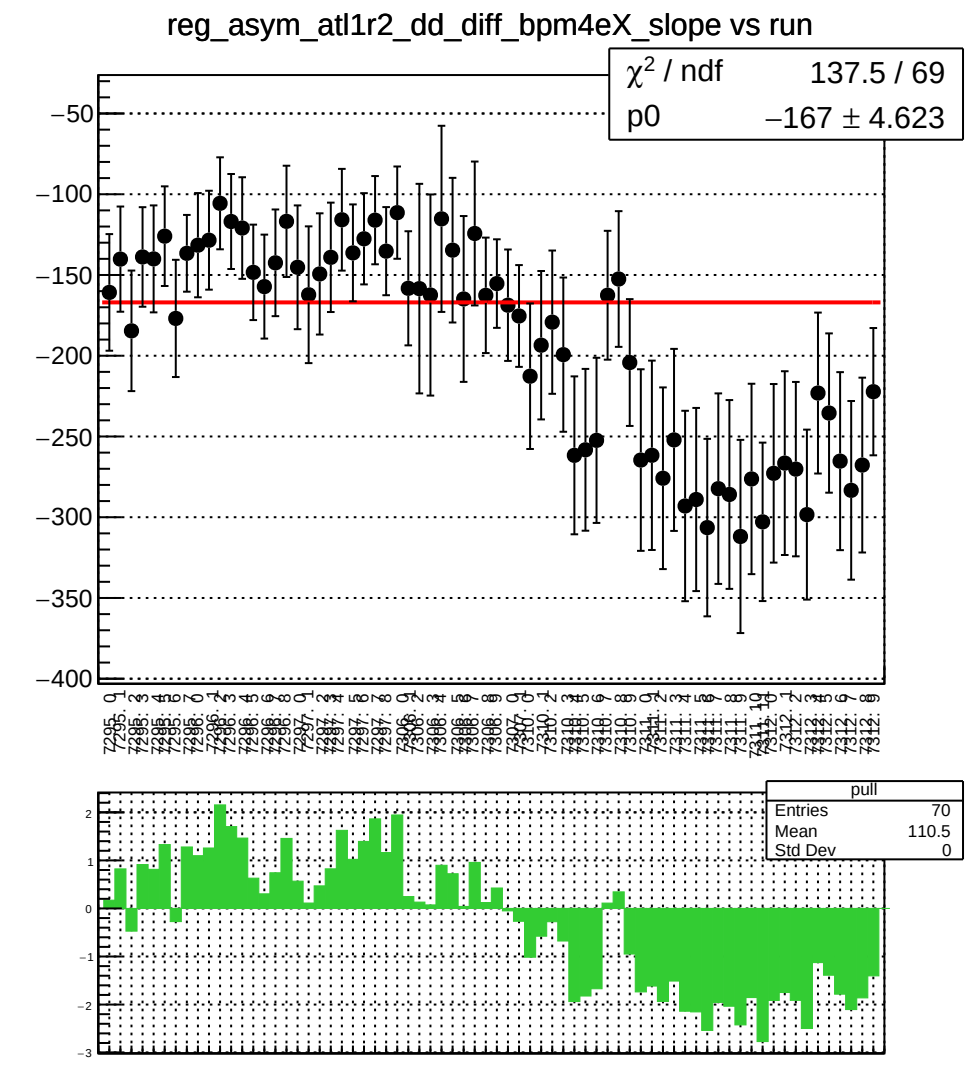

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.12 / 69
p0 91.1 ± 5.05
pull
Entries 70
Mean 258.8
Std Dev 0
pull1D
Entries 70
Mean −0.06192
Std Dev 0.8771

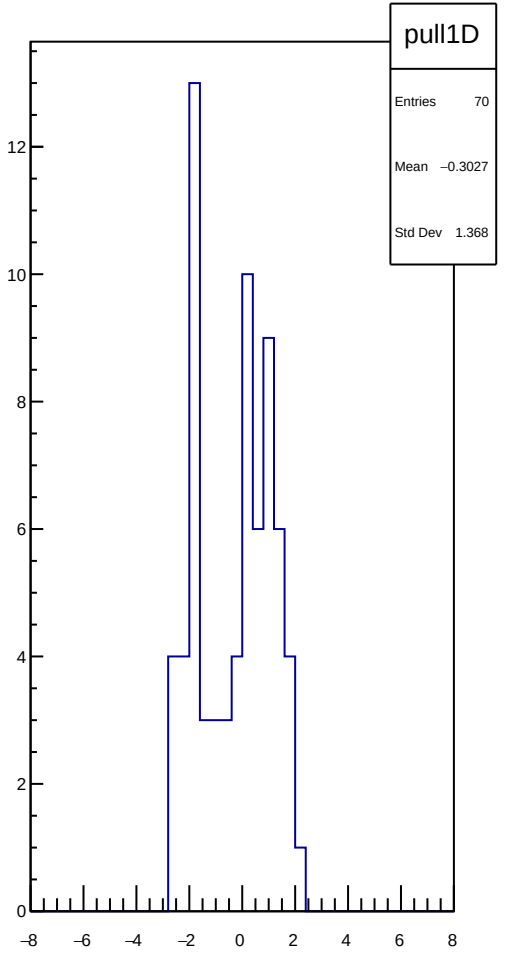

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 47.4 / 69
p0 −129.7 ± 0.2179
−126
−128
−130
−132
−134
−136
pull
Entries 70
Mean 271
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 70
Mean −0.04013
Std Dev 0.8219
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

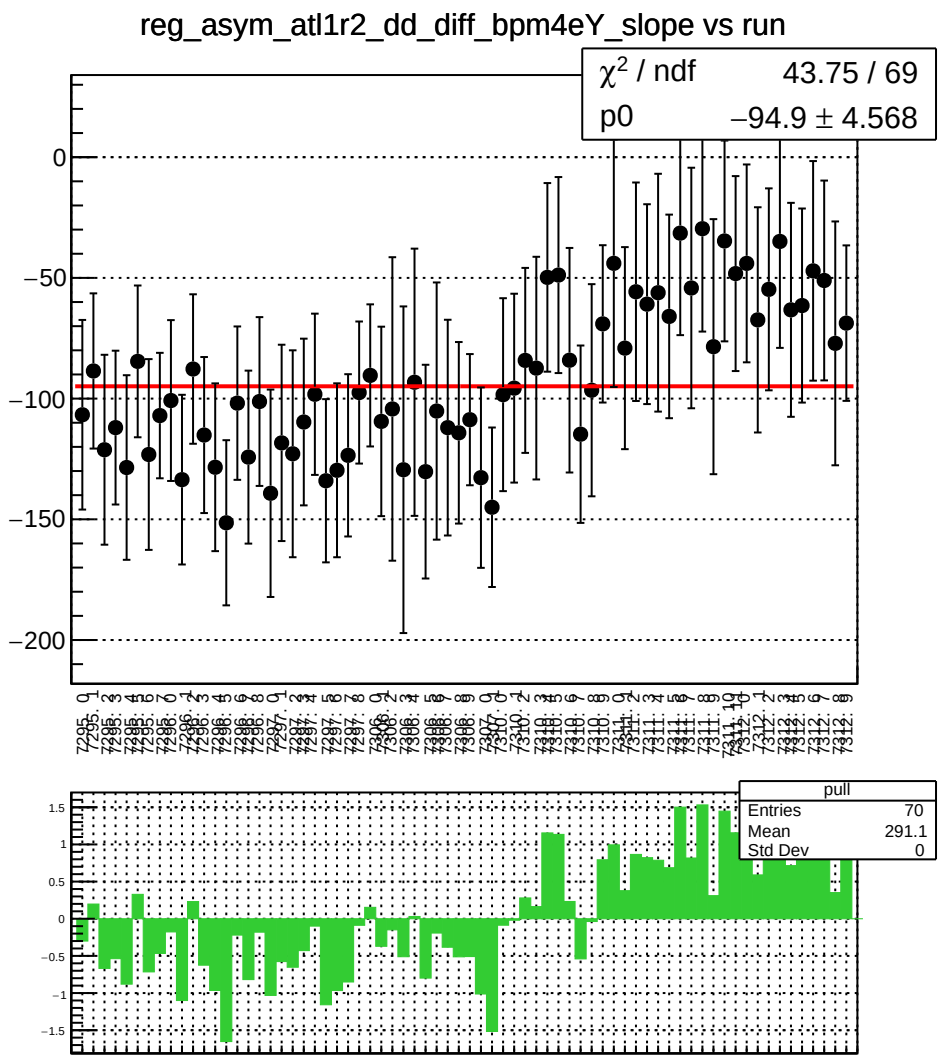

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 133.9 / 69
p0 140 ± 4.684
pull
Entries 70
Mean 111.5
Std Dev 0
pull1D
Entries 70
Mean 0.291
Std Dev 1.352

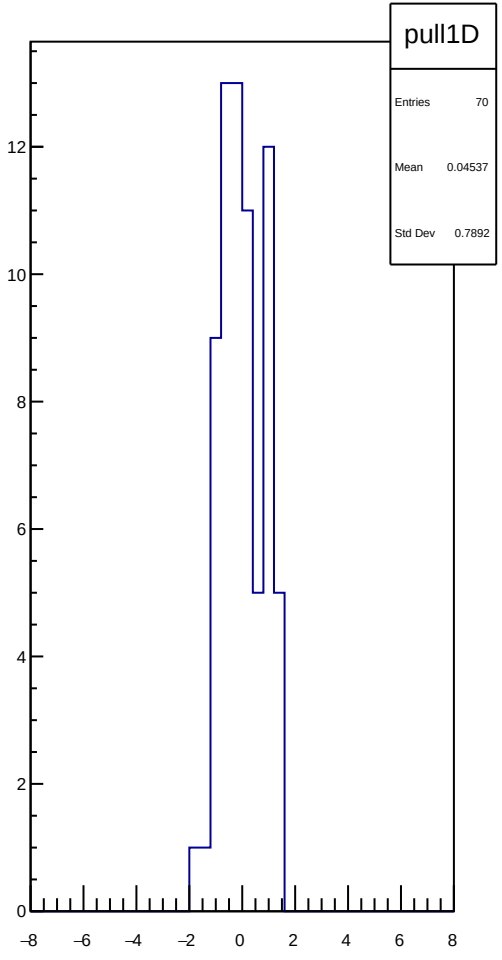

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.17 / 69
p0 25.88 ± 4.257
pull
Entries 70
Mean 411.5
Std Dev 0

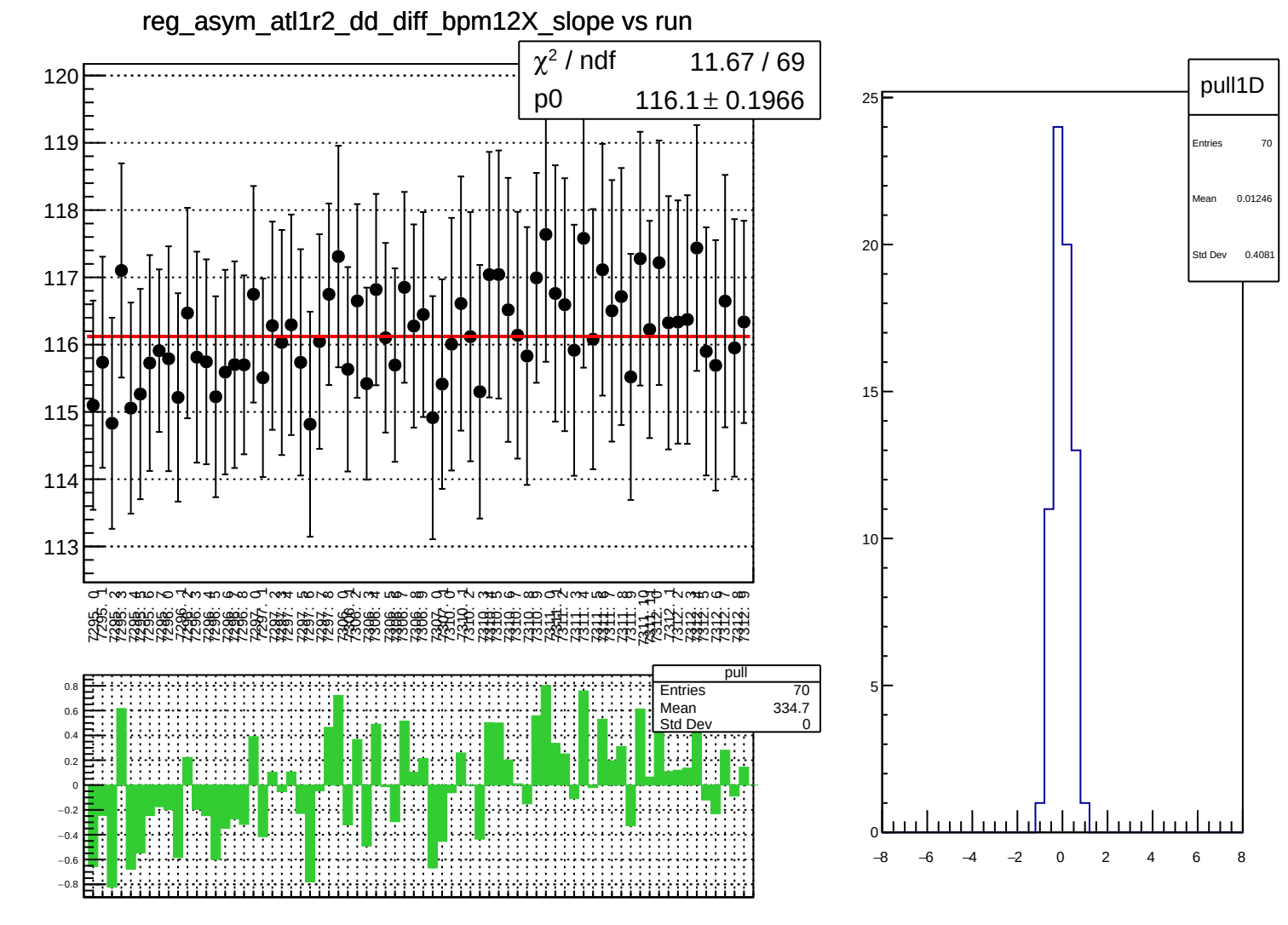

pull1D
Entries 70
Mean −0.02898
Std Dev 0.7474

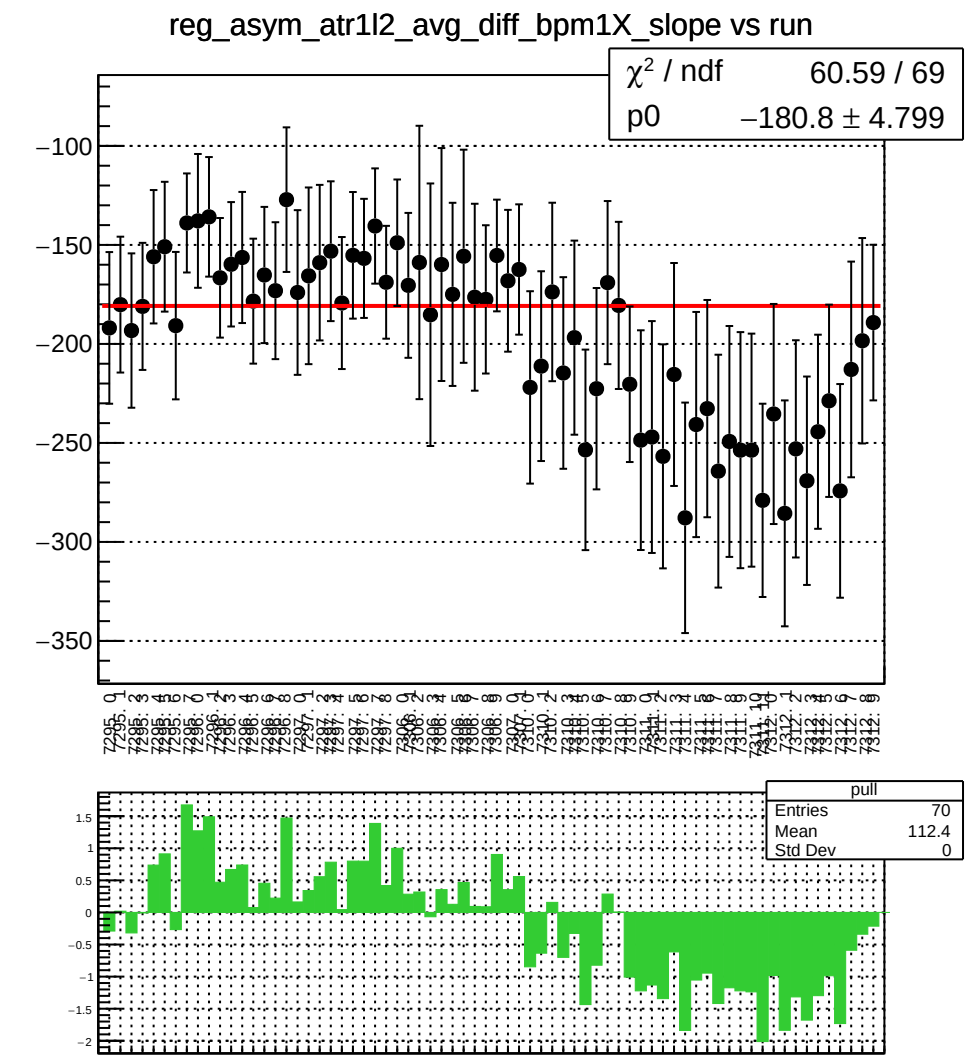

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 137.5 / 69
p0 −167 ± 4.623
pull
Entries 70
Mean 110.5
Std Dev 0

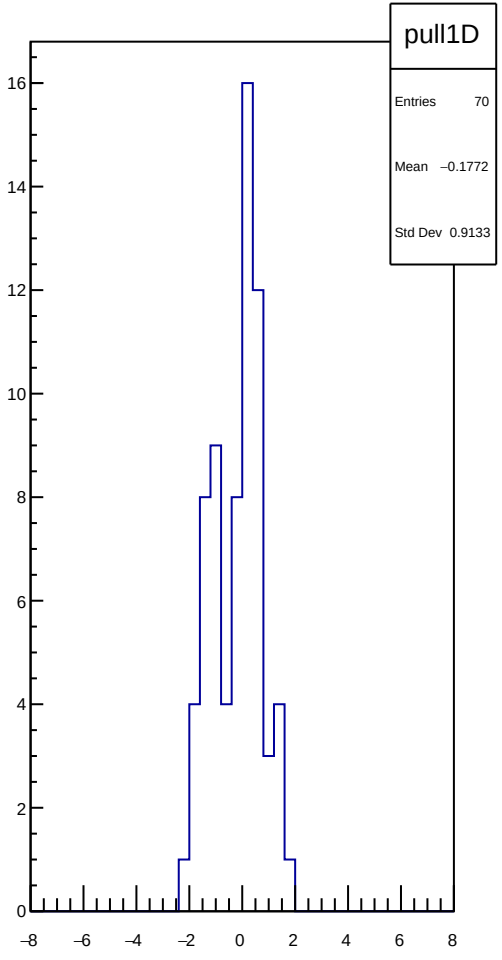

pull1D
Entries 70
Mean −0.3027
Std Dev 1.368

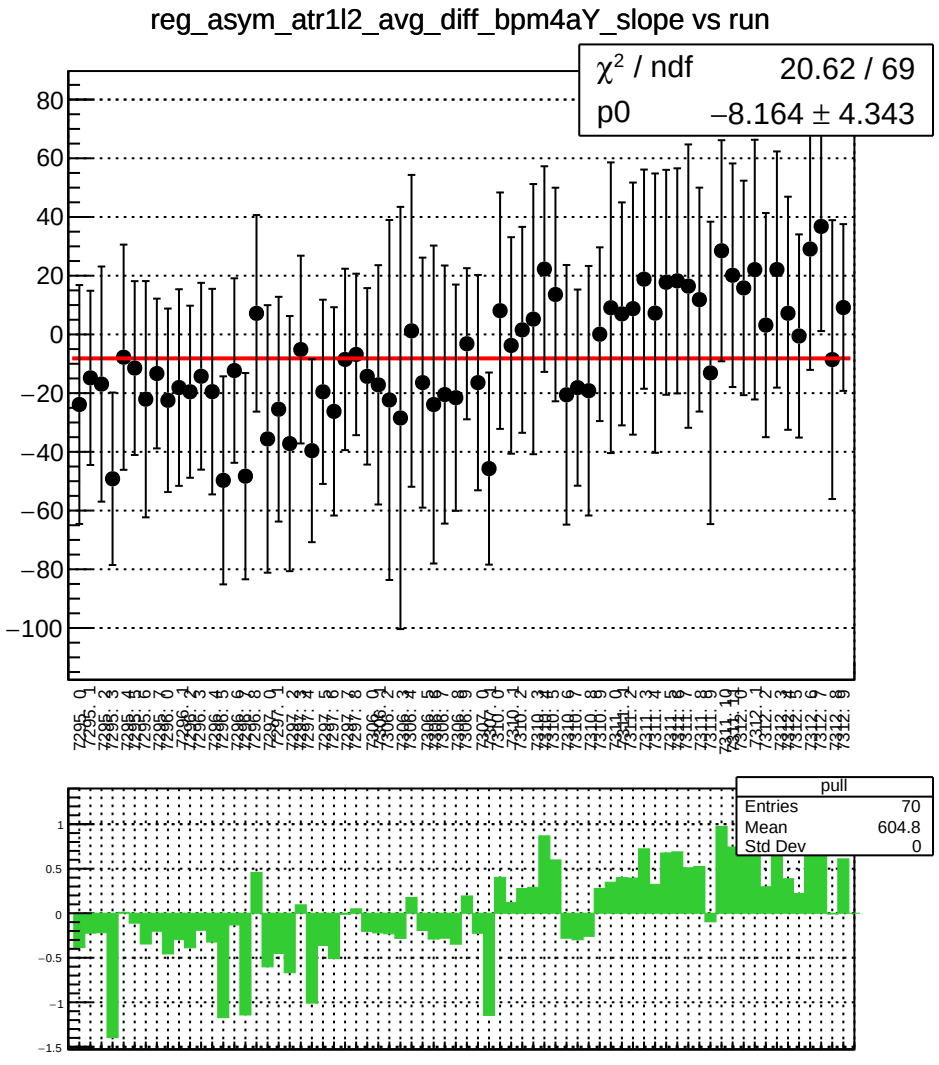

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.75 / 69
p0 −94.9 ± 4.568
pull
Entries 70
Mean 291.1
Std Dev 0

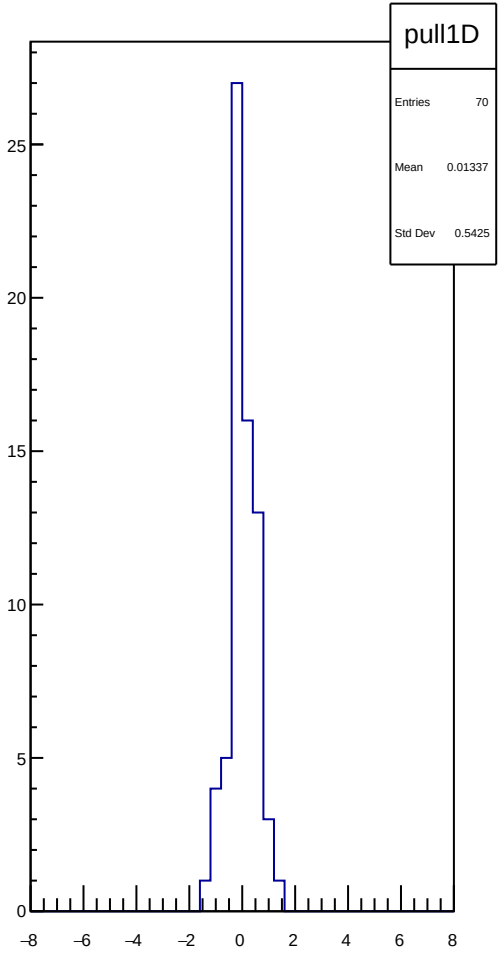

pull1D
Entries 70
Mean 0.04537
Std Dev 0.7892

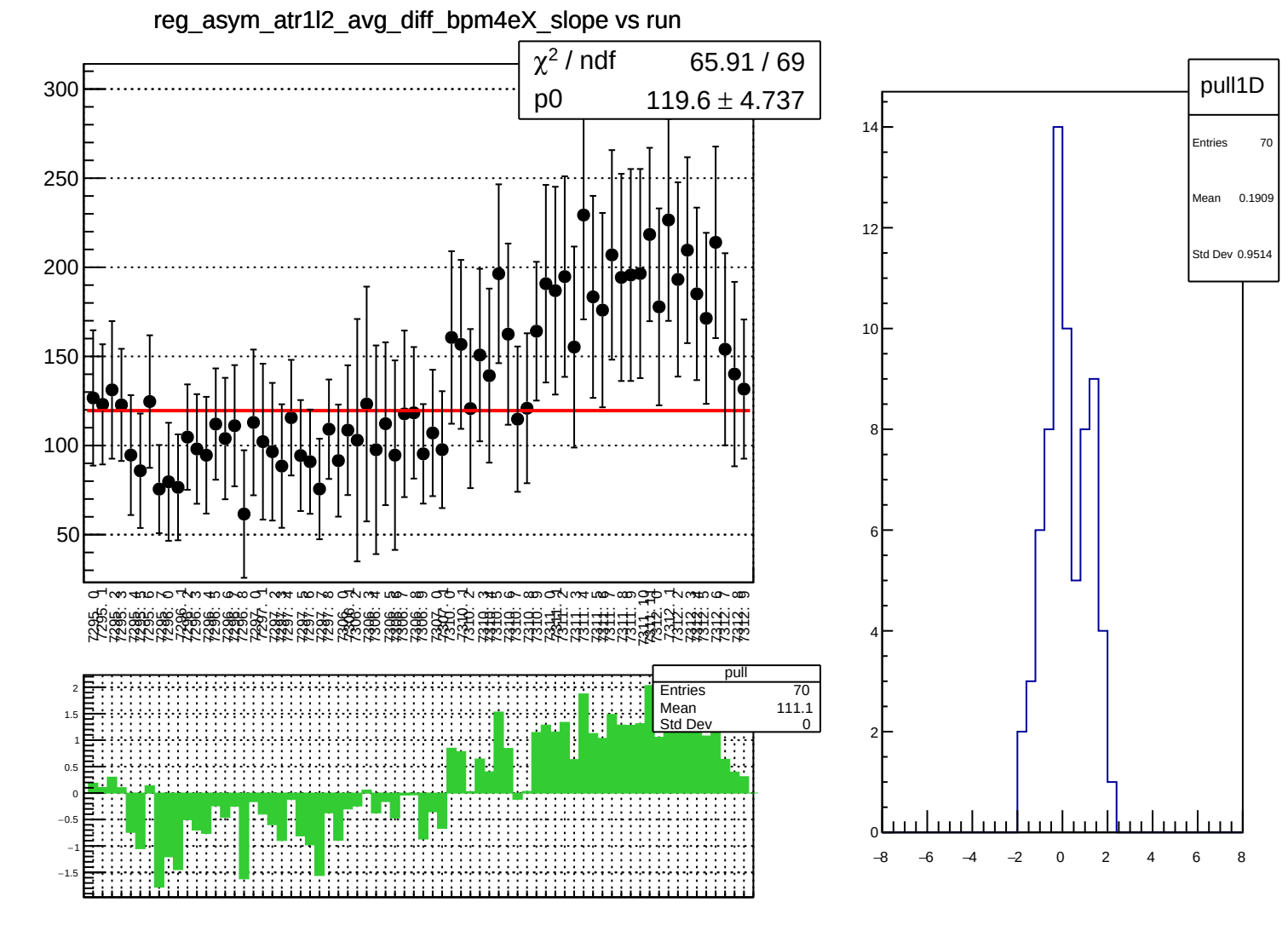

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.67 / 69
p0 116.1 ± 0.1966
pull
Entries 70
Mean 334.7
Std Dev 0
pull1D
Entries 70
Mean 0.01246
Std Dev 0.4081

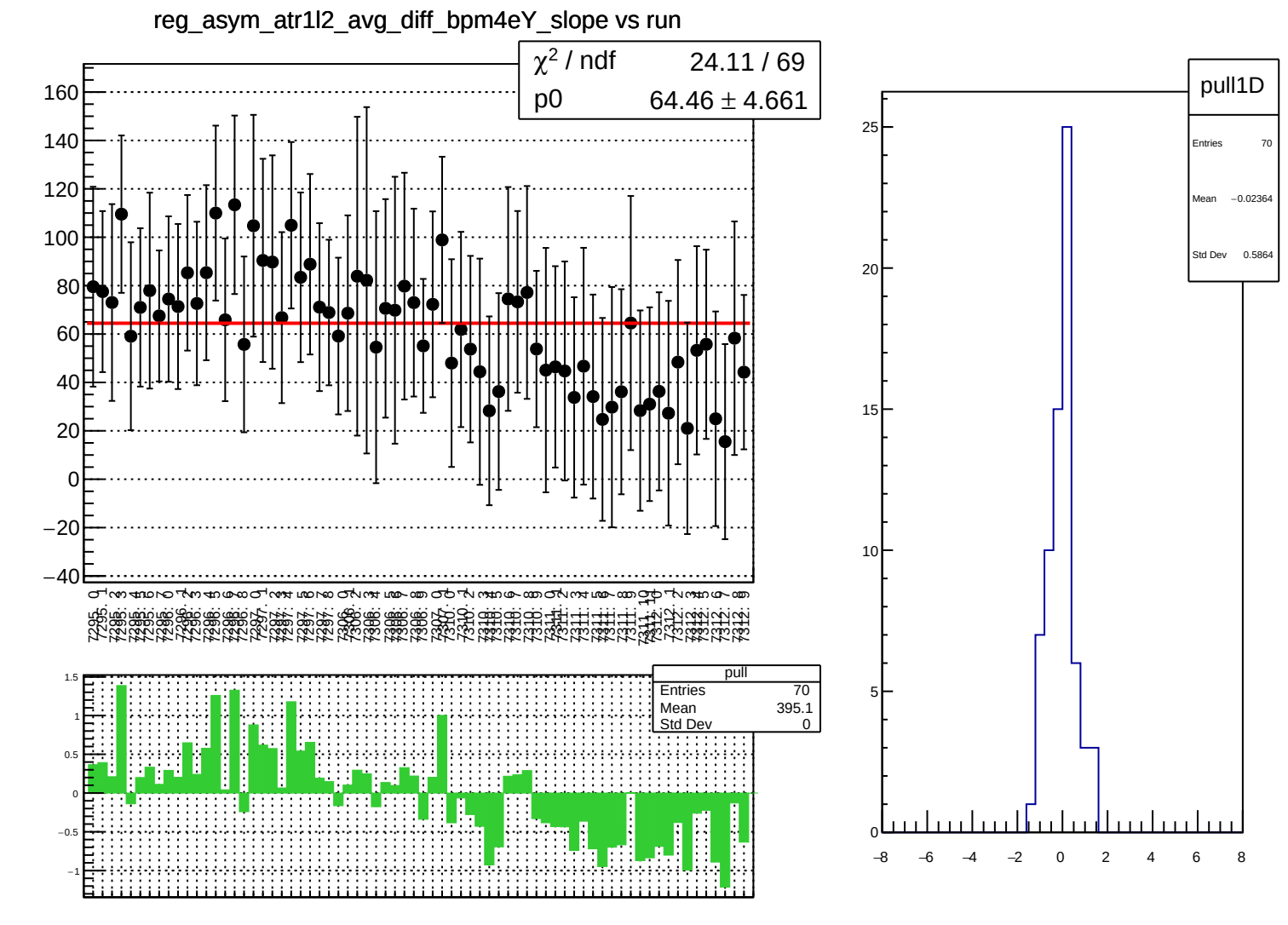

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 60.59 / 69
p0 −180.8 ± 4.799
pull
Entries 70
Mean 112.4
Std Dev 0

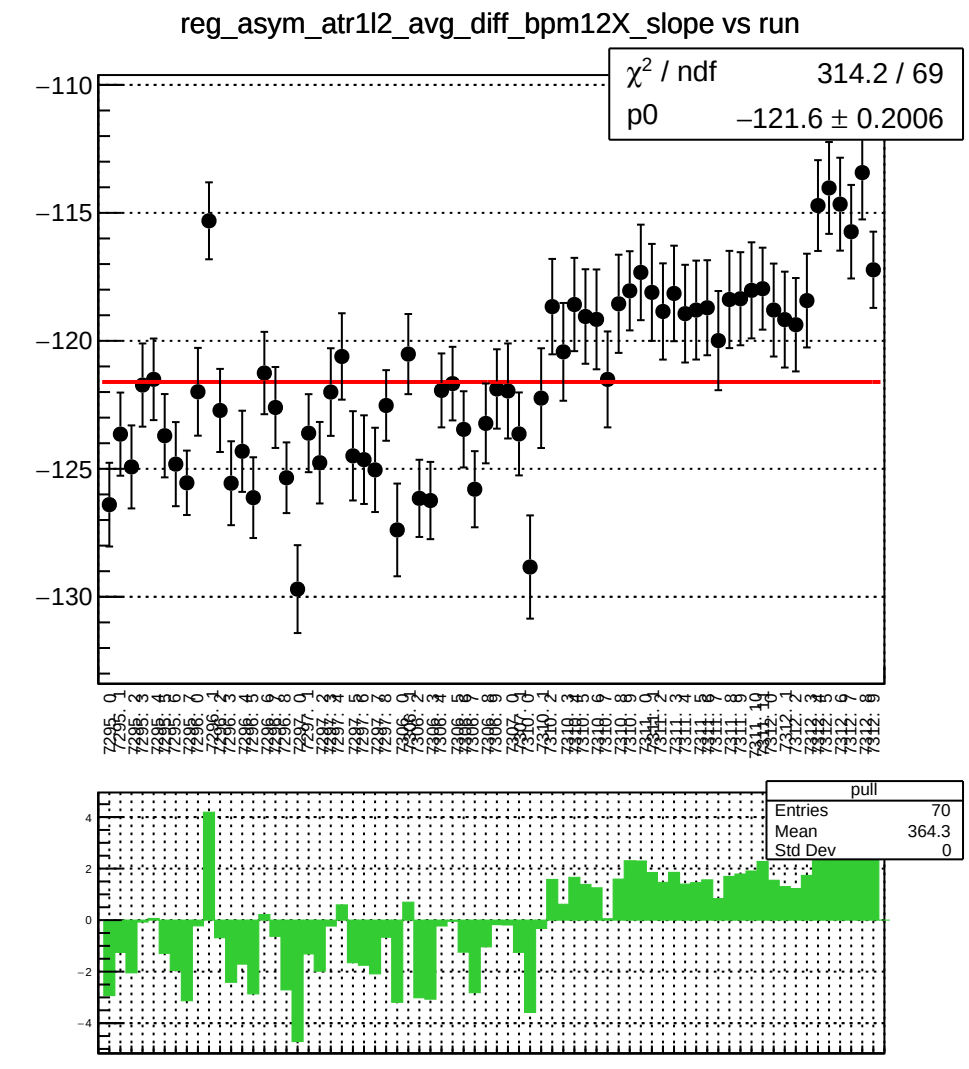

pull1D
Entries 70
Mean −0.1772
Std Dev 0.9133

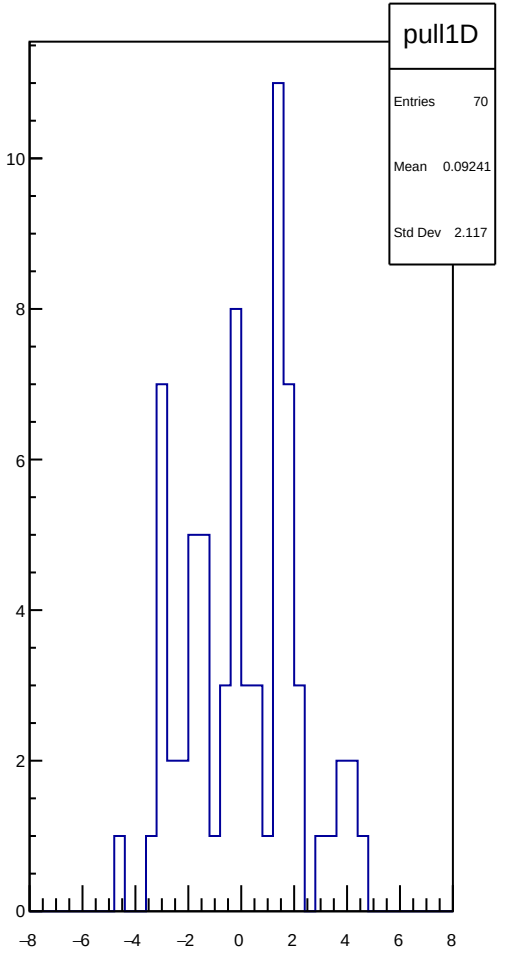

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.62 / 69
p0 −8.164 ± 4.343
pull
Entries 70
Mean 604.8
Std Dev 0

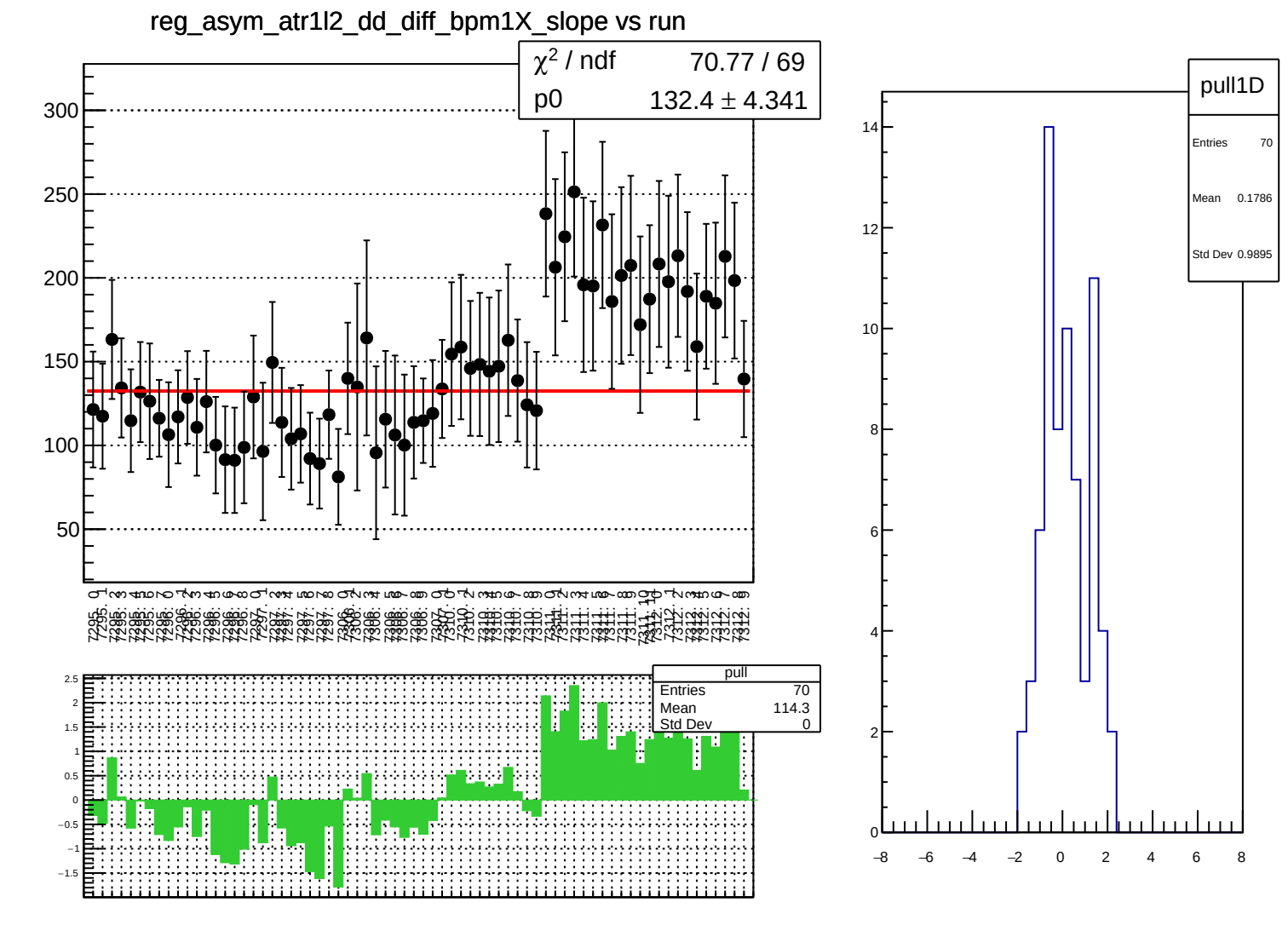

pull1D
Entries 70
Mean 0.01337
Std Dev 0.5425

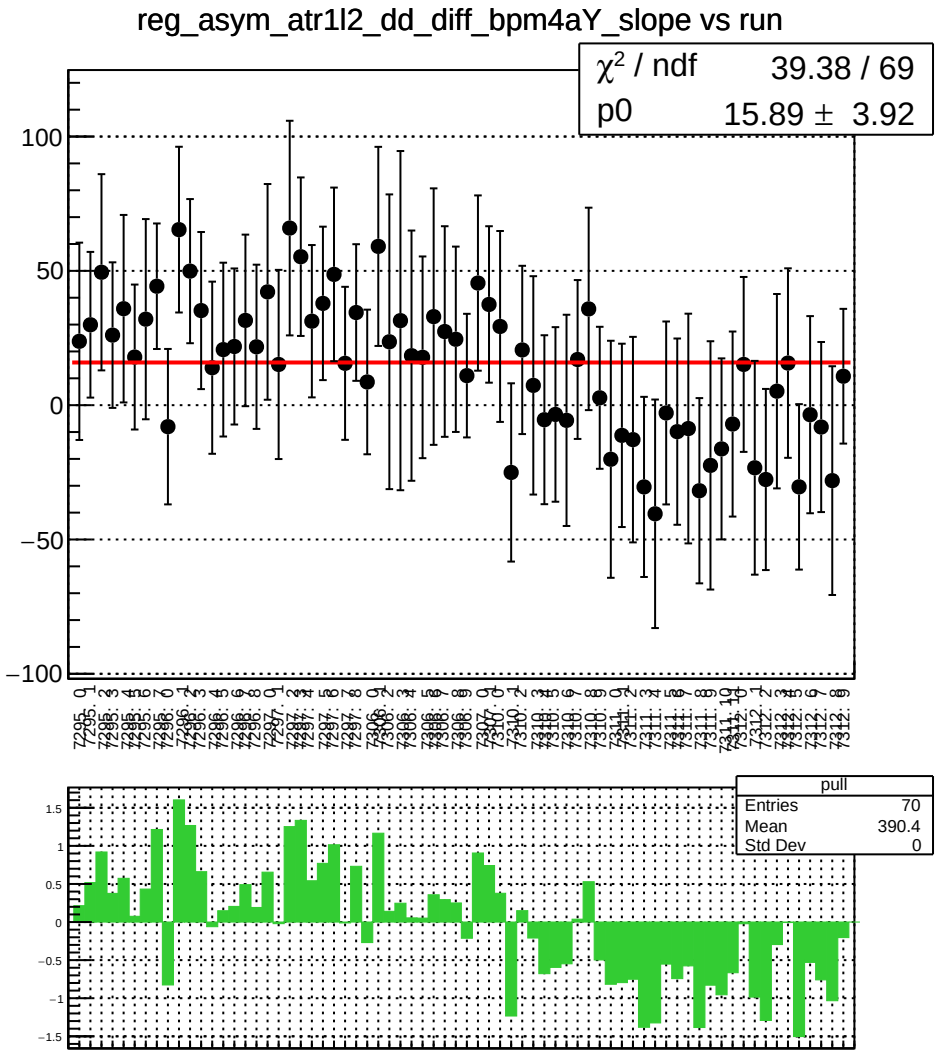

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.91 / 69
p0 119.6 ± 4.737
pull
Entries 70
Mean 111.1
Std Dev 0
pull1D
Entries 70
Mean 0.1909
Std Dev 0.9514

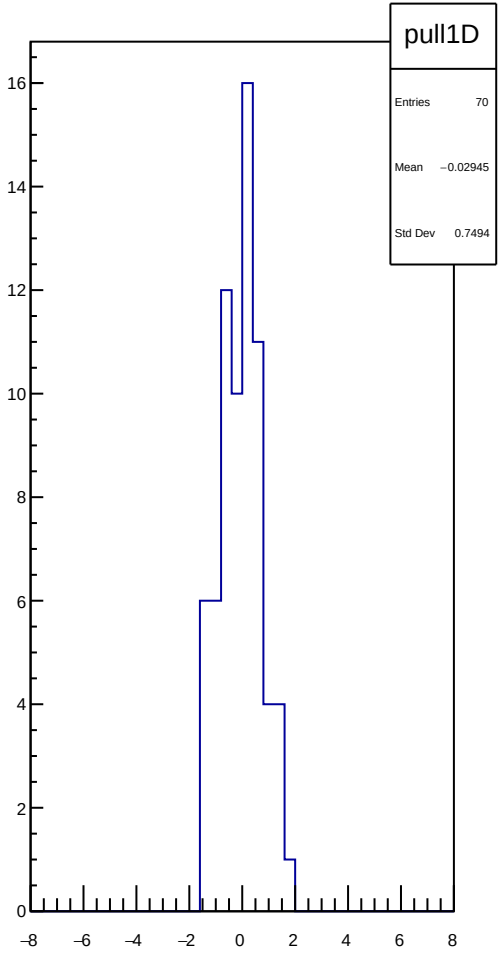

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.11 / 69
p0 64.46 ± 4.661
pull
Entries 70
Mean 395.1
Std Dev 0
pull1D
Entries 70
Mean −0.02364
Std Dev 0.5864

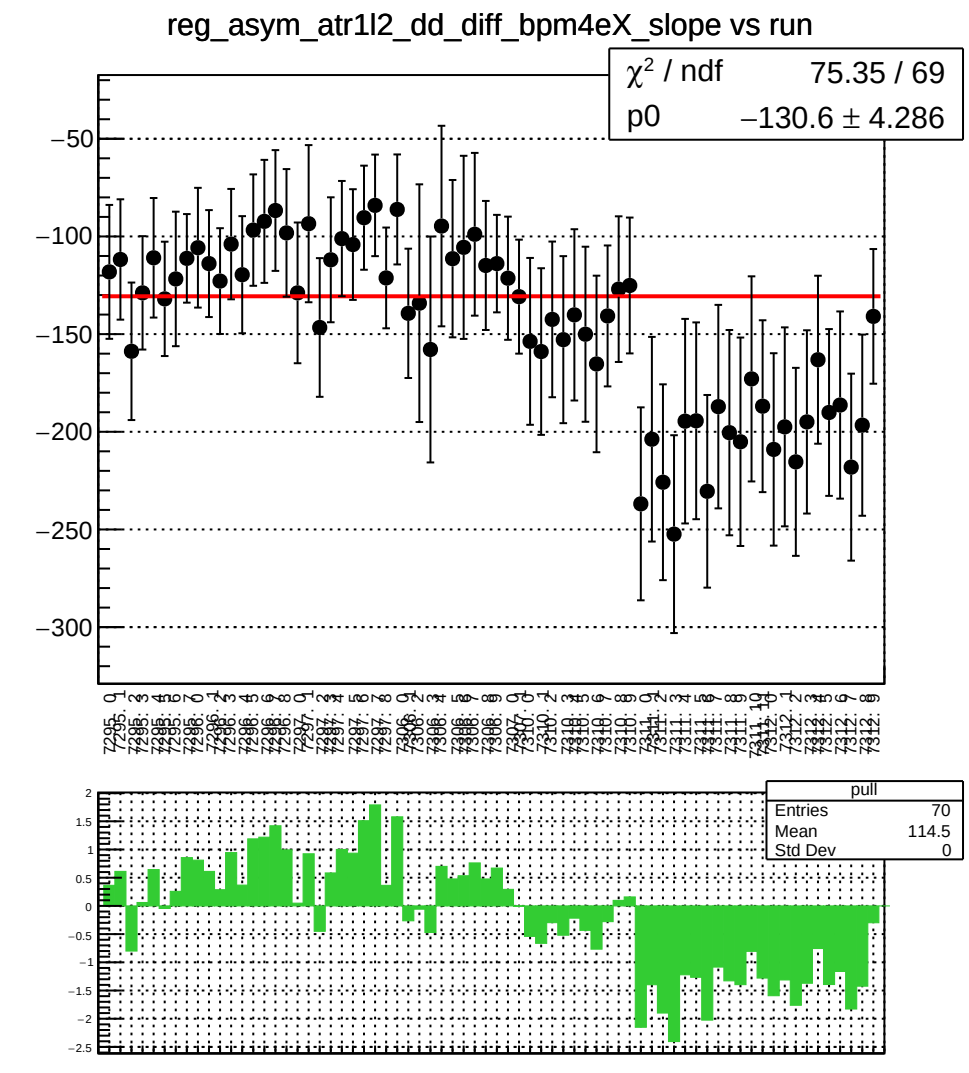

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 314.2 / 69
p0 −121.6 ± 0.2006
−110
−115
−120
−125
−130
pull
Entries 70
Mean 364.3
Std Dev 0
4
2
0
−2
−4

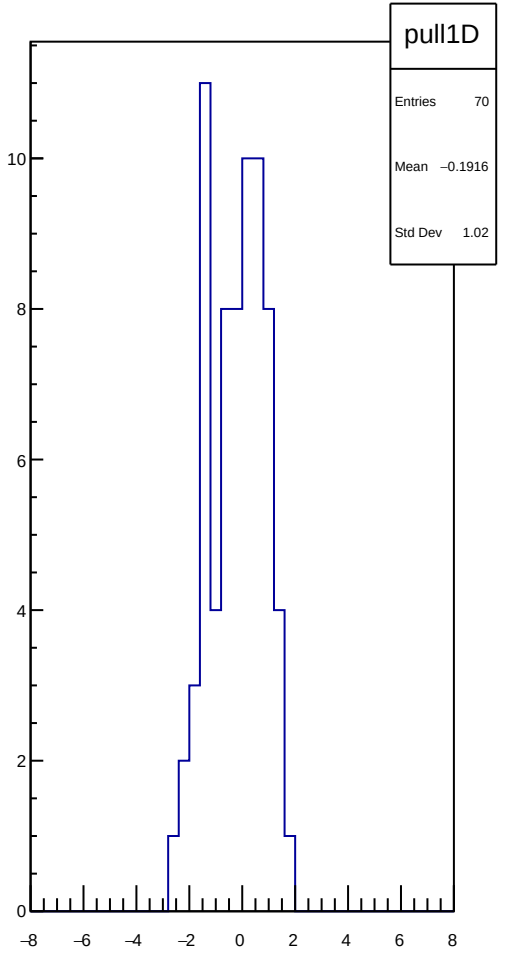

pull1D
Entries 70
Mean 0.09241
Std Dev 2.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

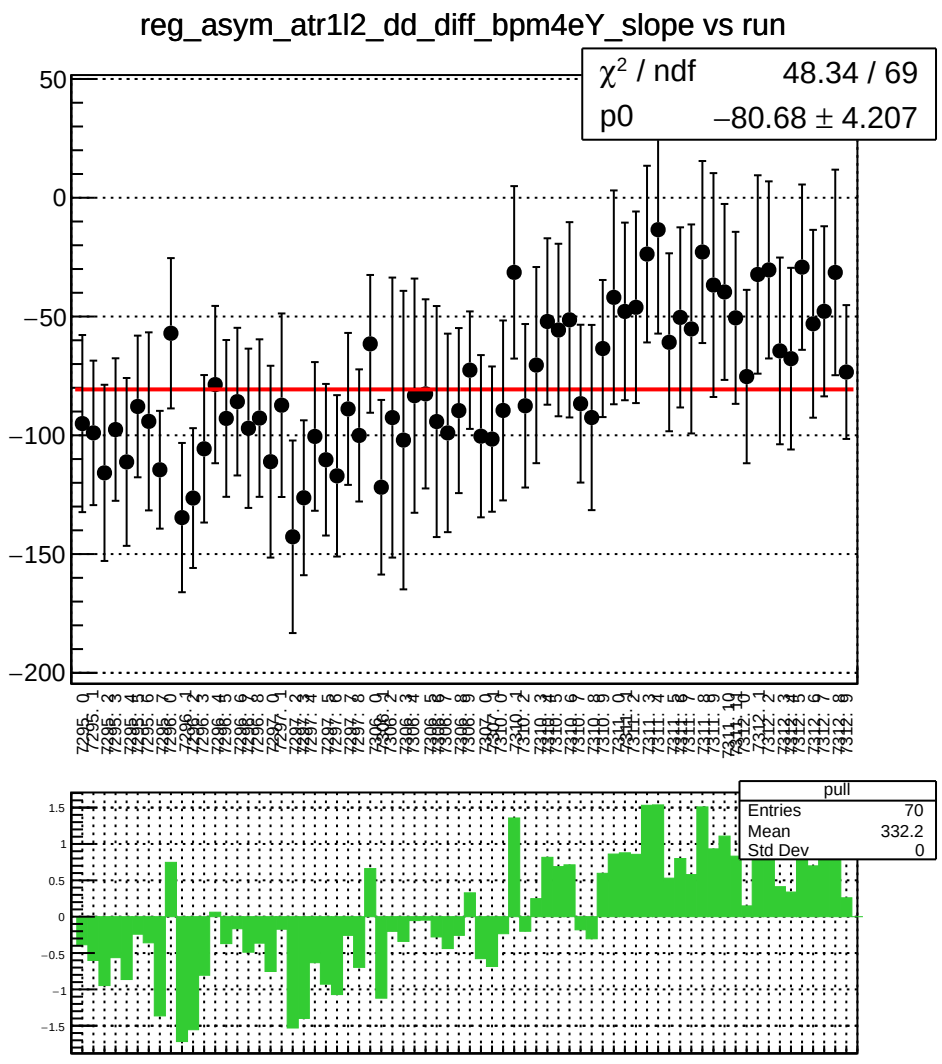

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 70.77 / 69
p0 132.4 ± 4.341
pull
Entries 70
Mean 114.3
Std Dev 0
pull1D
Entries 70
Mean 0.1786
Std Dev 0.9895

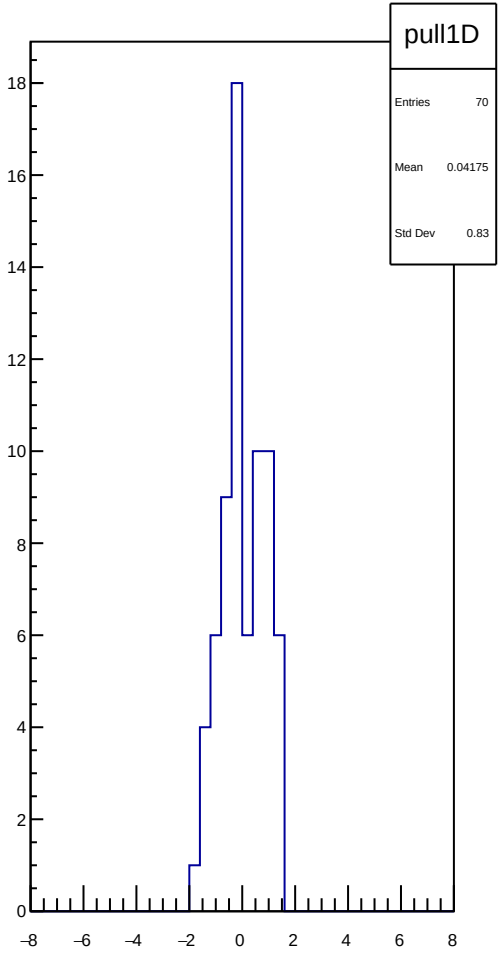

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.38 / 69
p0 15.89 ± 3.92
pull
Entries 70
Mean 390.4
Std Dev 0

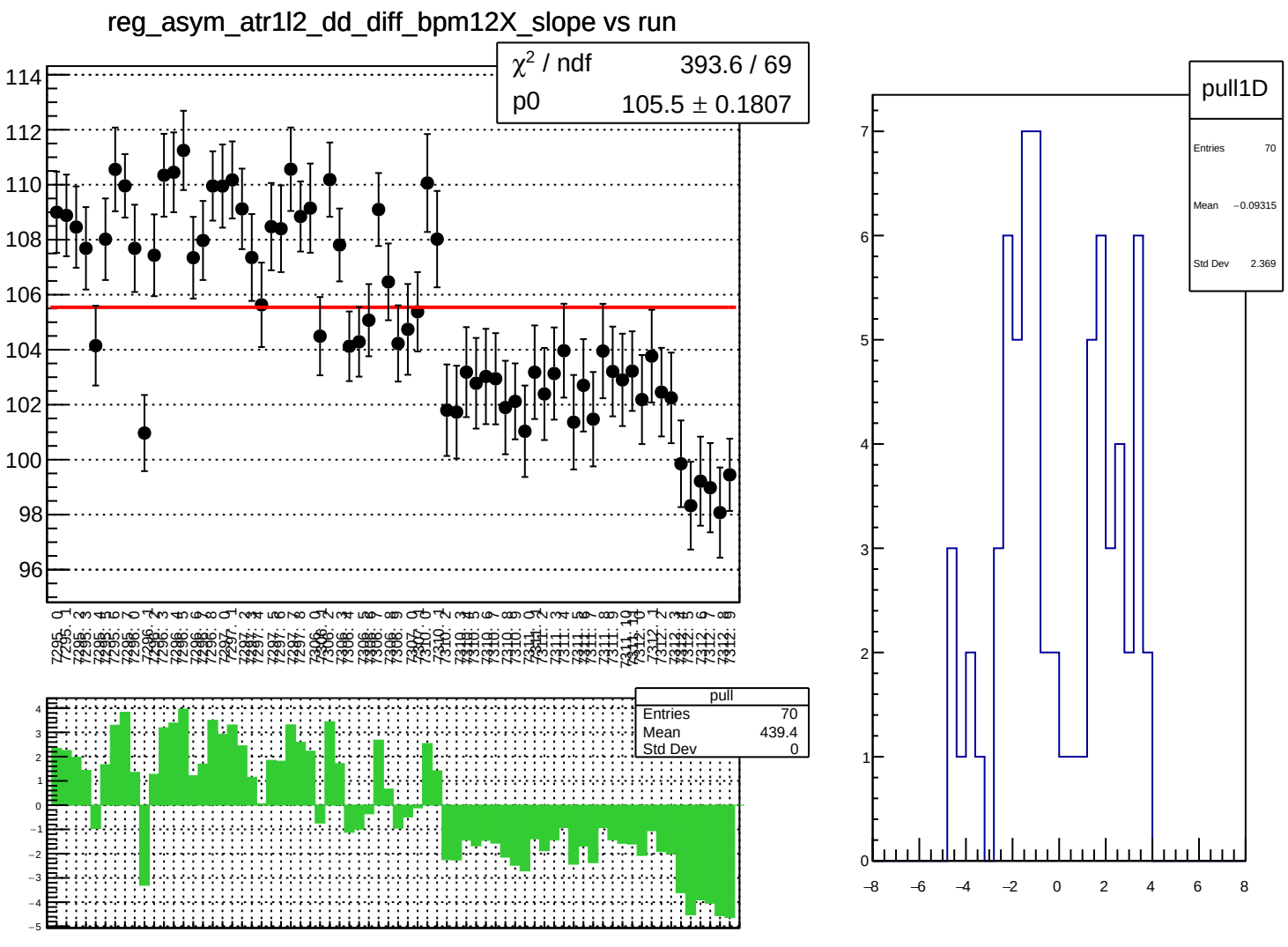

pull1D
Entries 70
Mean −0.02945
Std Dev 0.7494

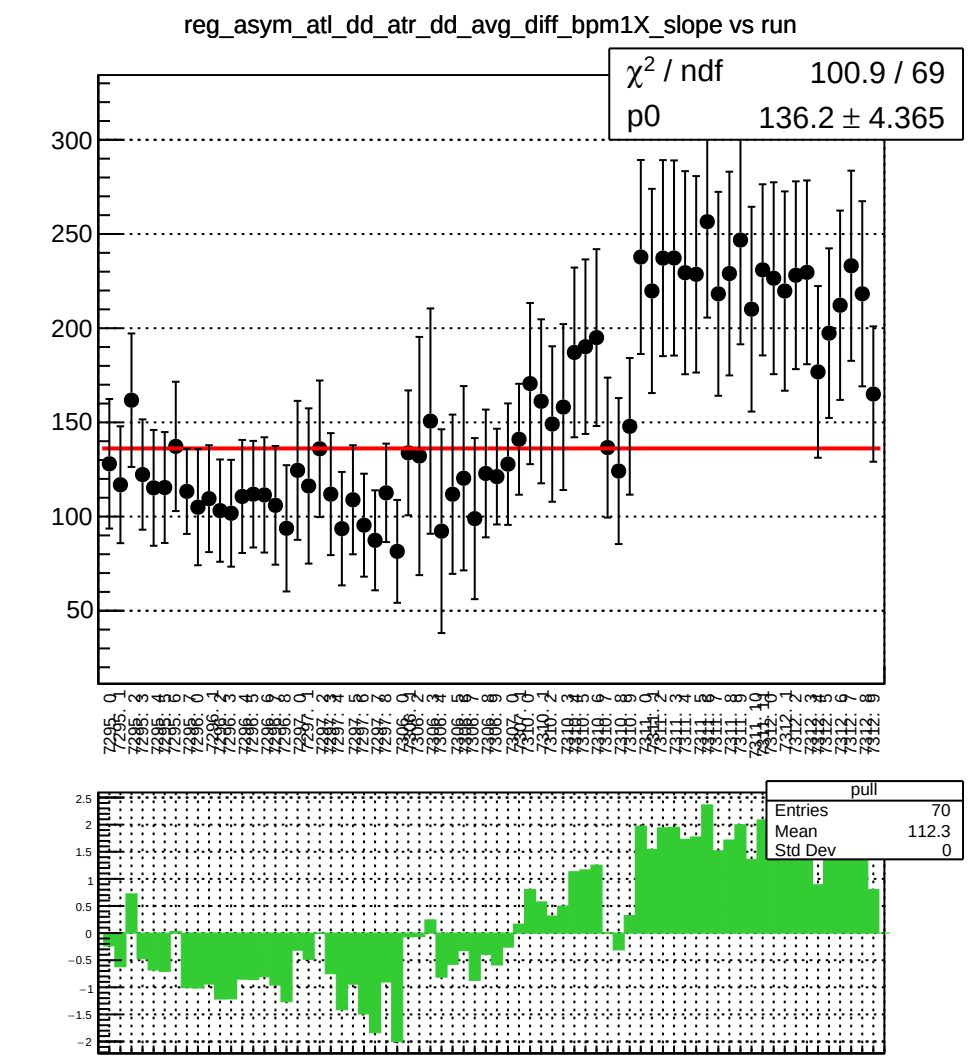

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.35 / 69
p0 −130.6 ± 4.286
pull
Entries 70
Mean 114.5
Std Dev 0

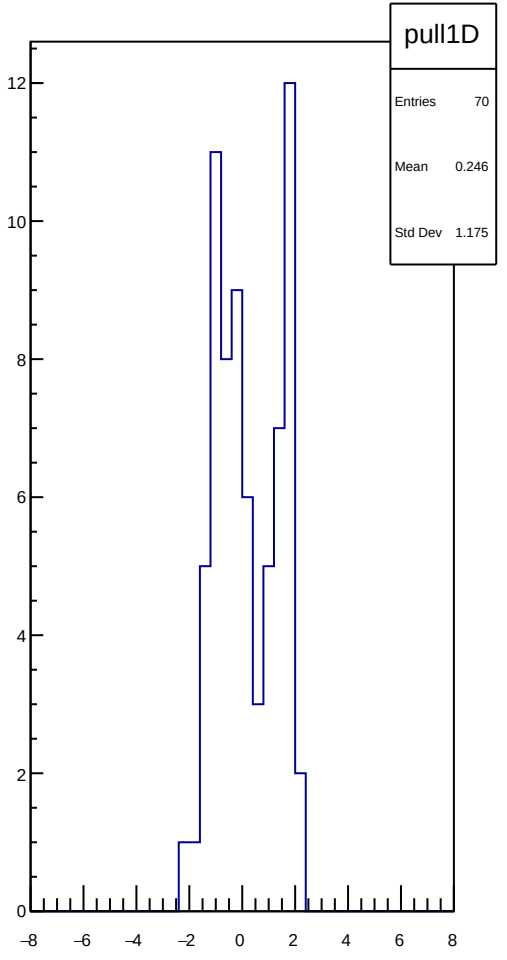

pull1D
Entries 70
Mean −0.1916
Std Dev 1.02

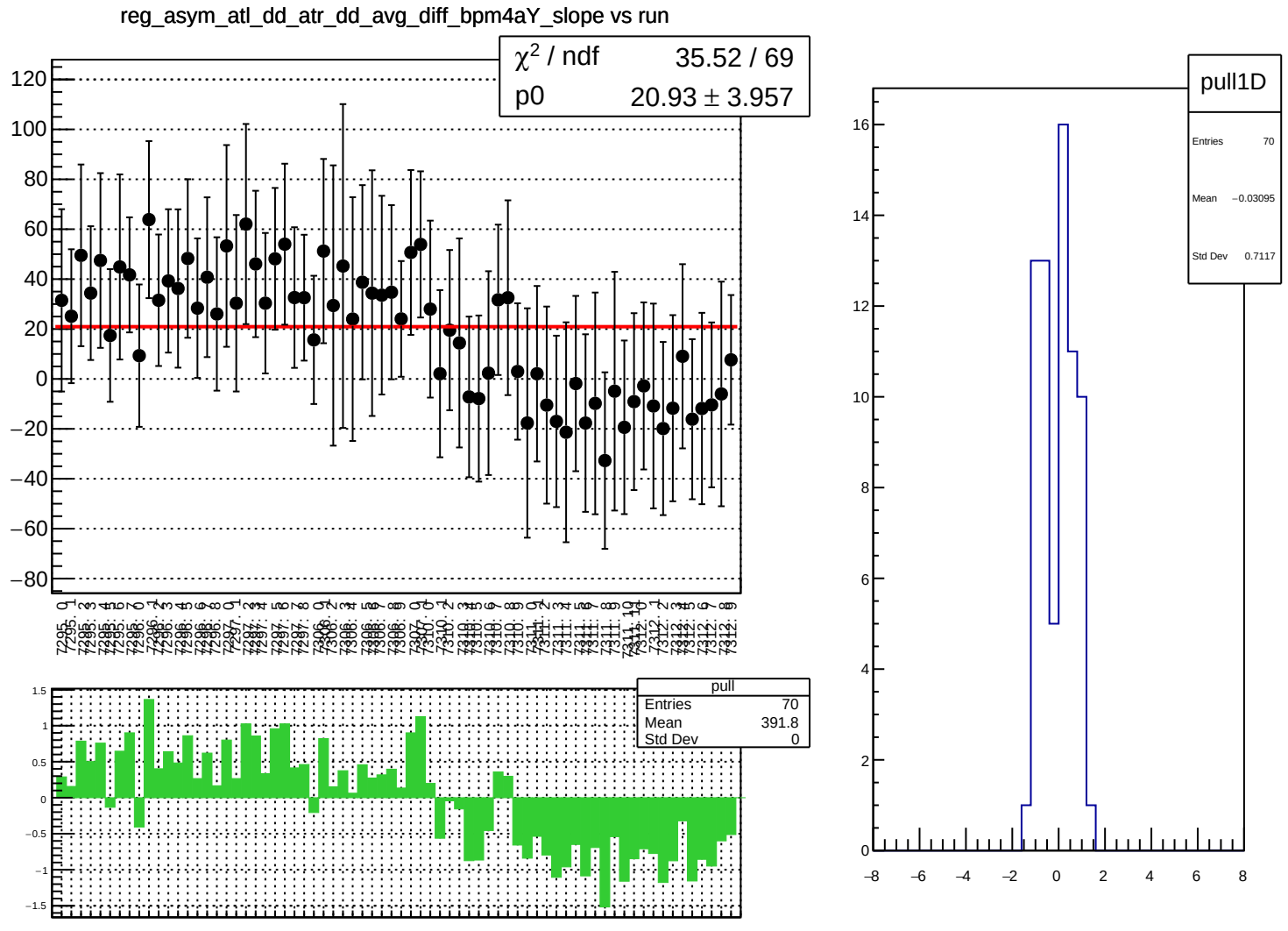

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.34 / 69
p0 −80.68 ± 4.207
pull
Entries 70
Mean 332.2
Std Dev 0

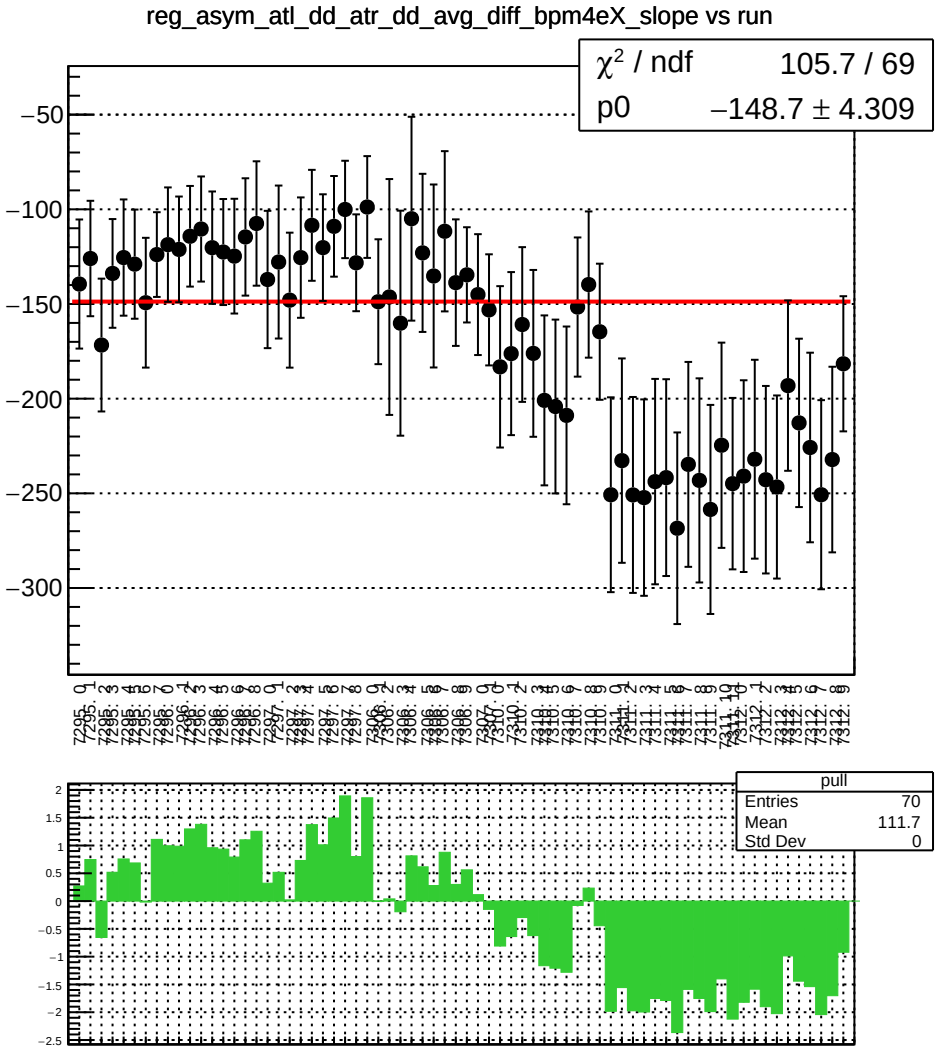

pull1D
Entries 70
Mean 0.04175
Std Dev 0.83

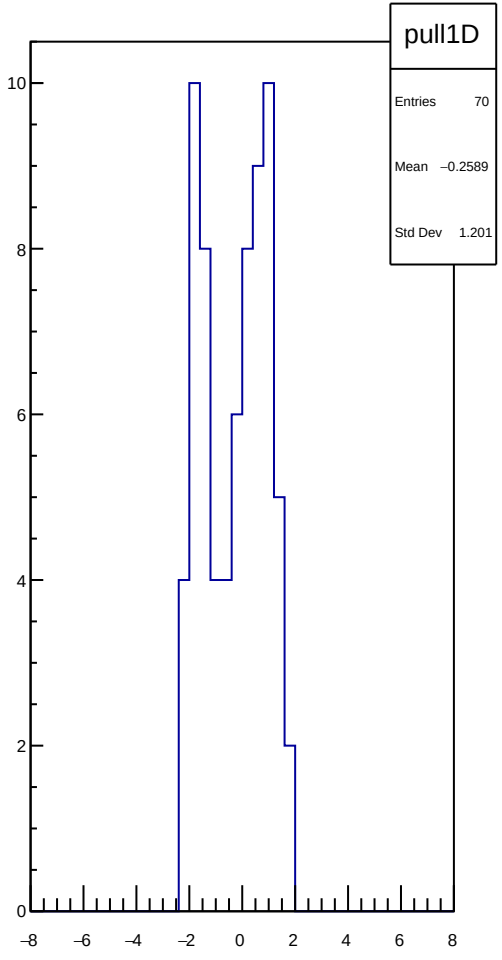

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 393.6 / 69
p0 105.5 ± 0.1807
pull
Entries 70
Mean 439.4
Std Dev 0
pull1D
Entries 70
Mean −0.09315
Std Dev 2.369

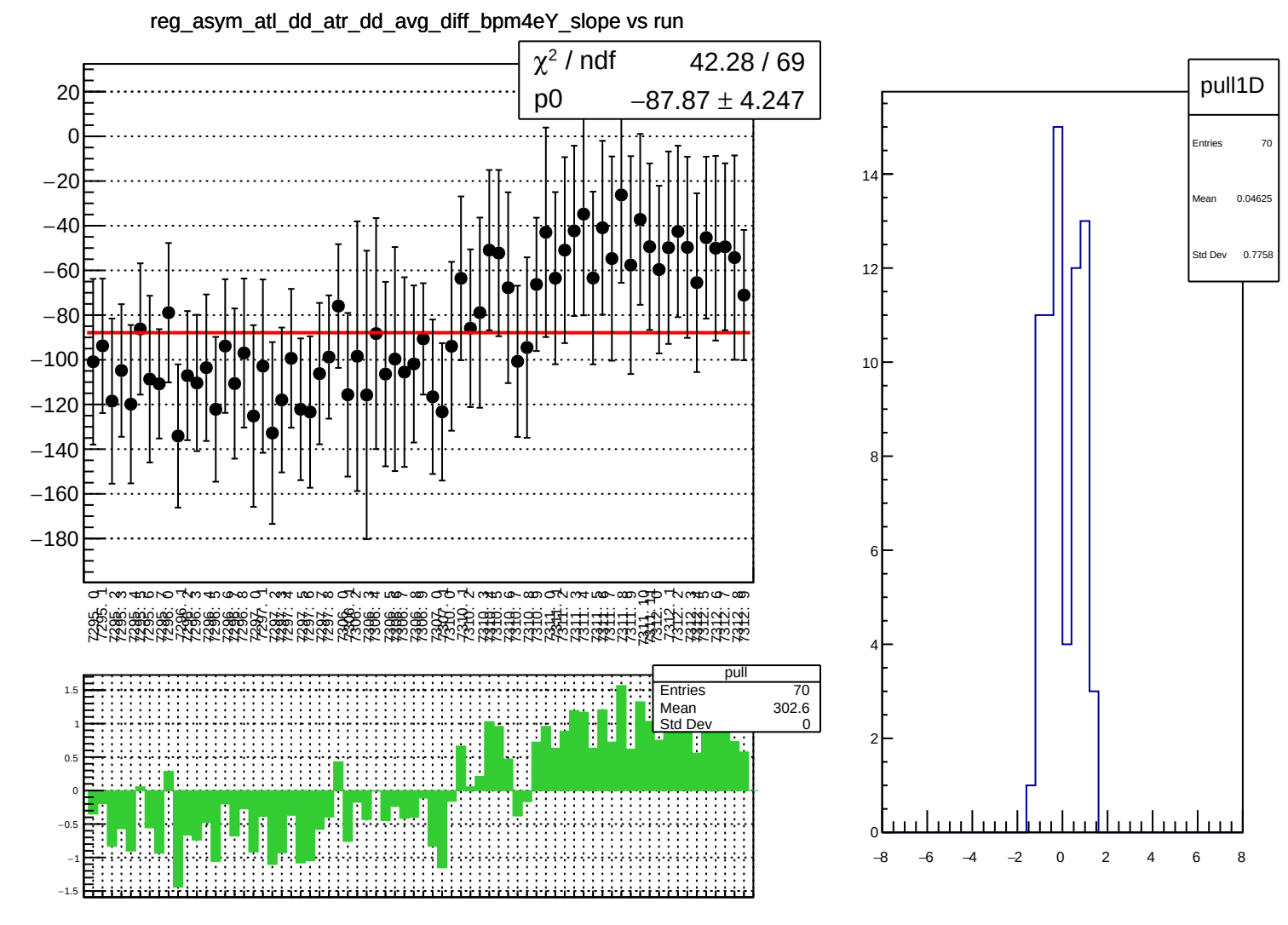

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 100.9 / 69
p0 136.2 ± 4.365
pull
Entries 70
Mean 112.3
Std Dev 0

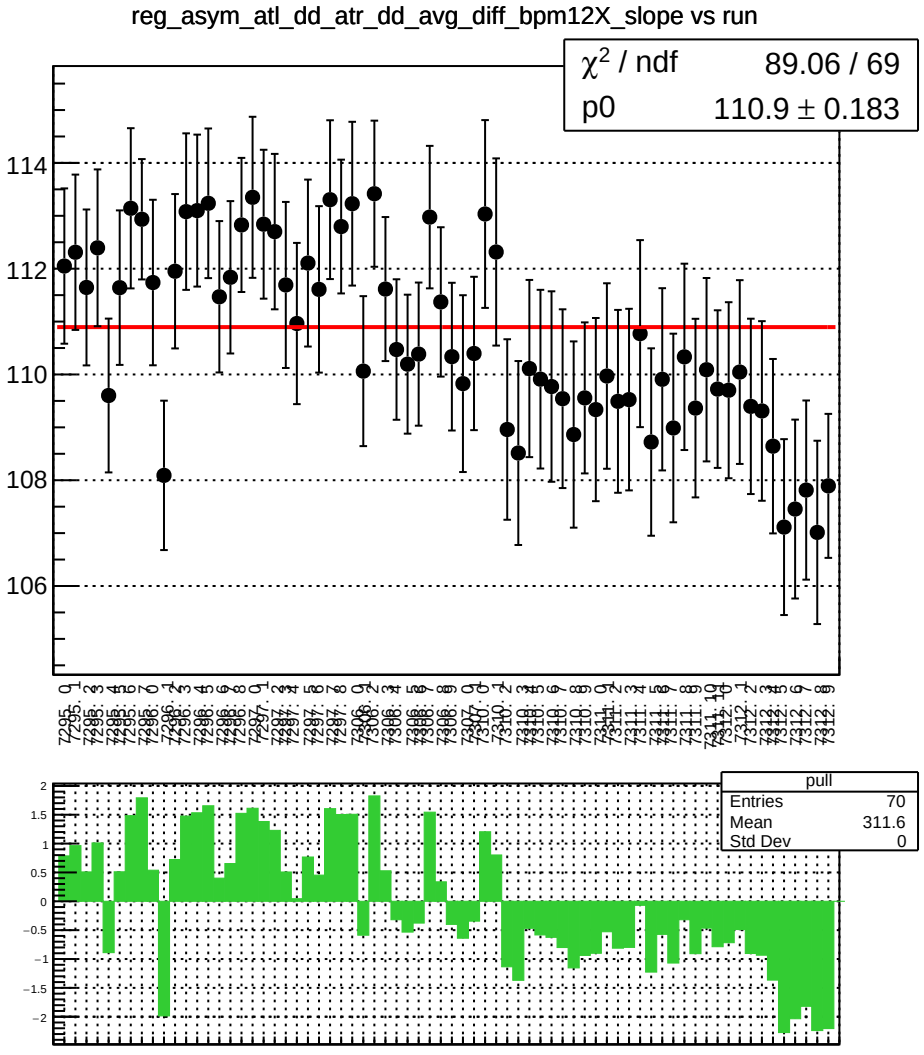

pull1D
Entries 70
Mean 0.246
Std Dev 1.175

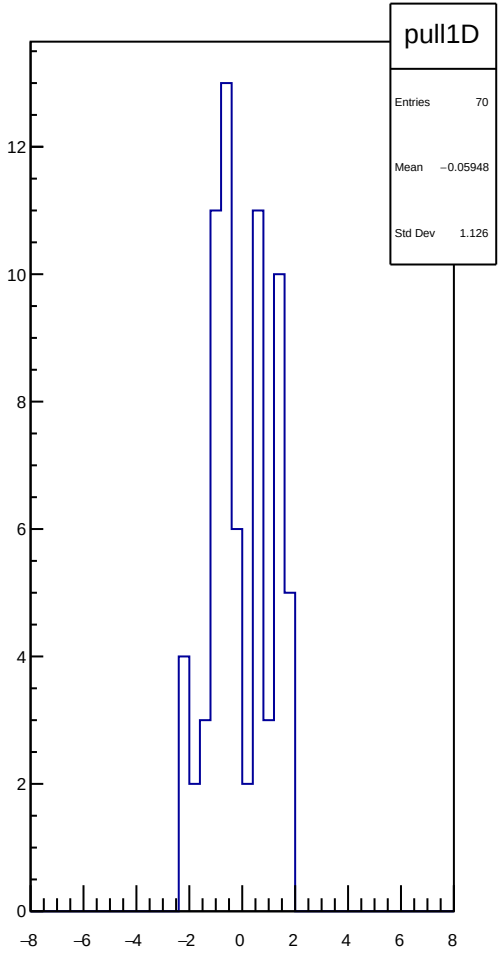

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.52 / 69
p0 20.93 ± 3.957
pull
Entries 70
Mean 391.8
Std Dev 0
pull1D
Entries 70
Mean −0.03095
Std Dev 0.7117

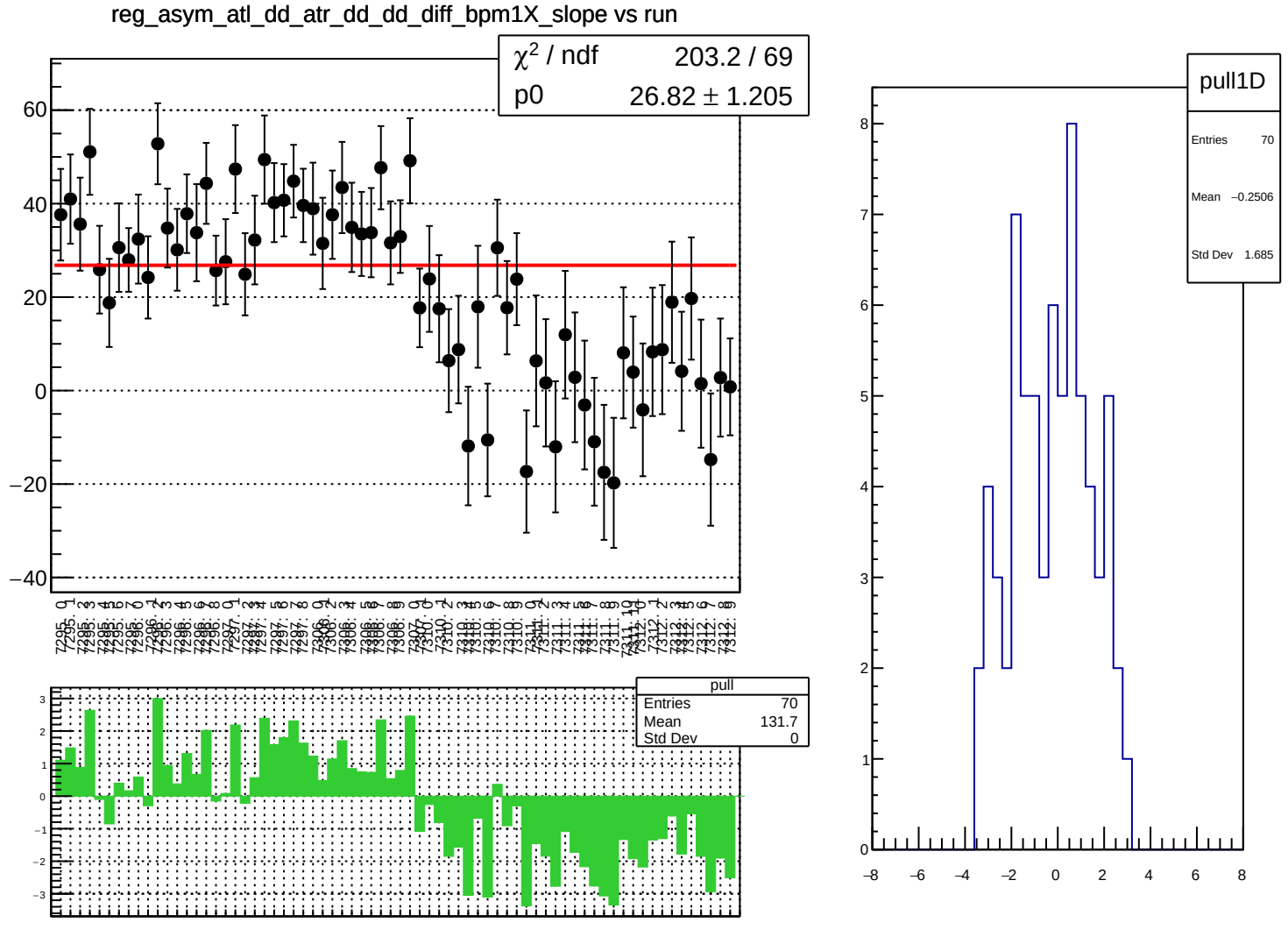

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 105.7 / 69
p0 −148.7 ± 4.309
pull
Entries 70
Mean 111.7
Std Dev 0

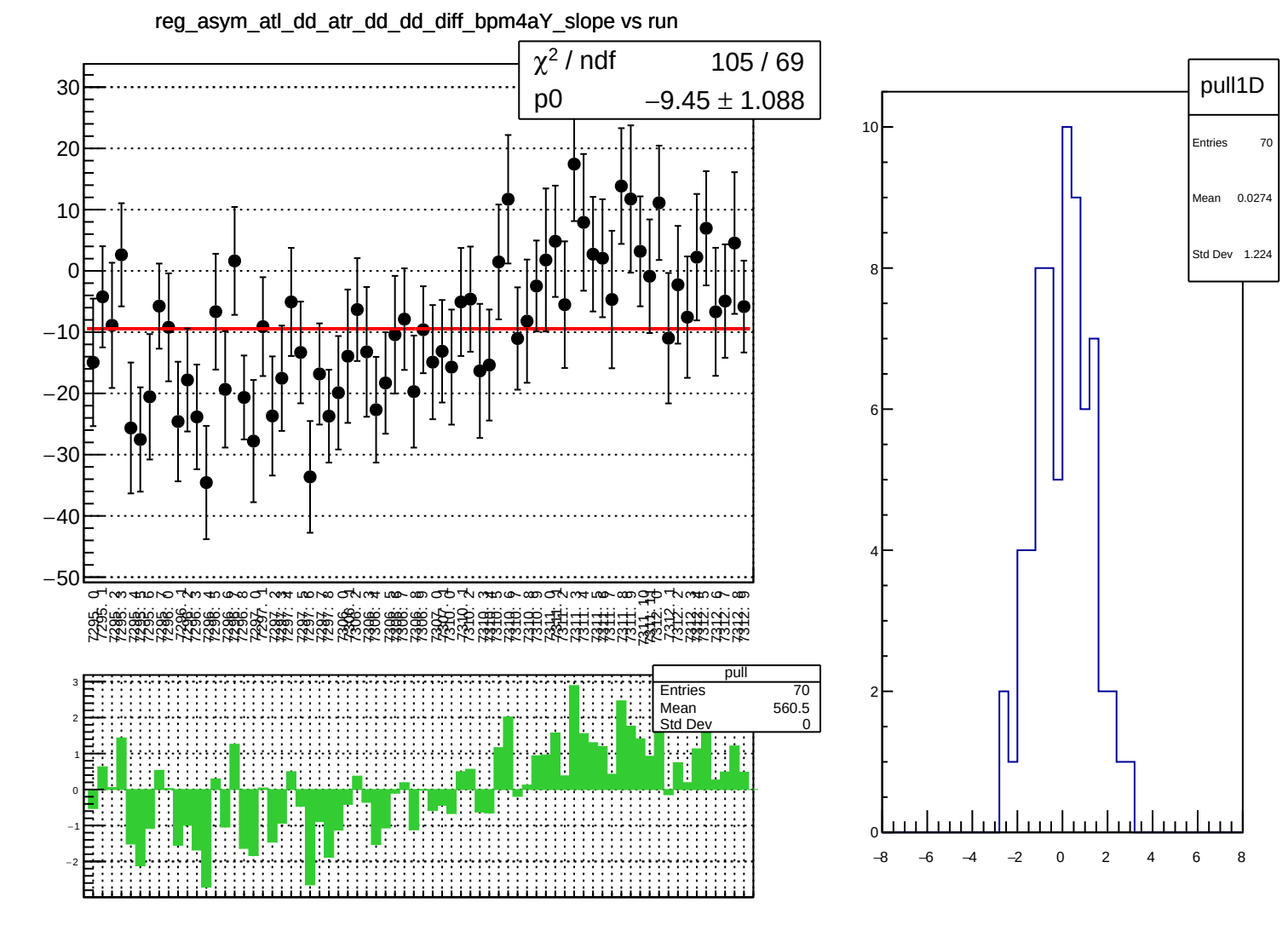

pull1D
Entries 70
Mean −0.2589
Std Dev 1.201

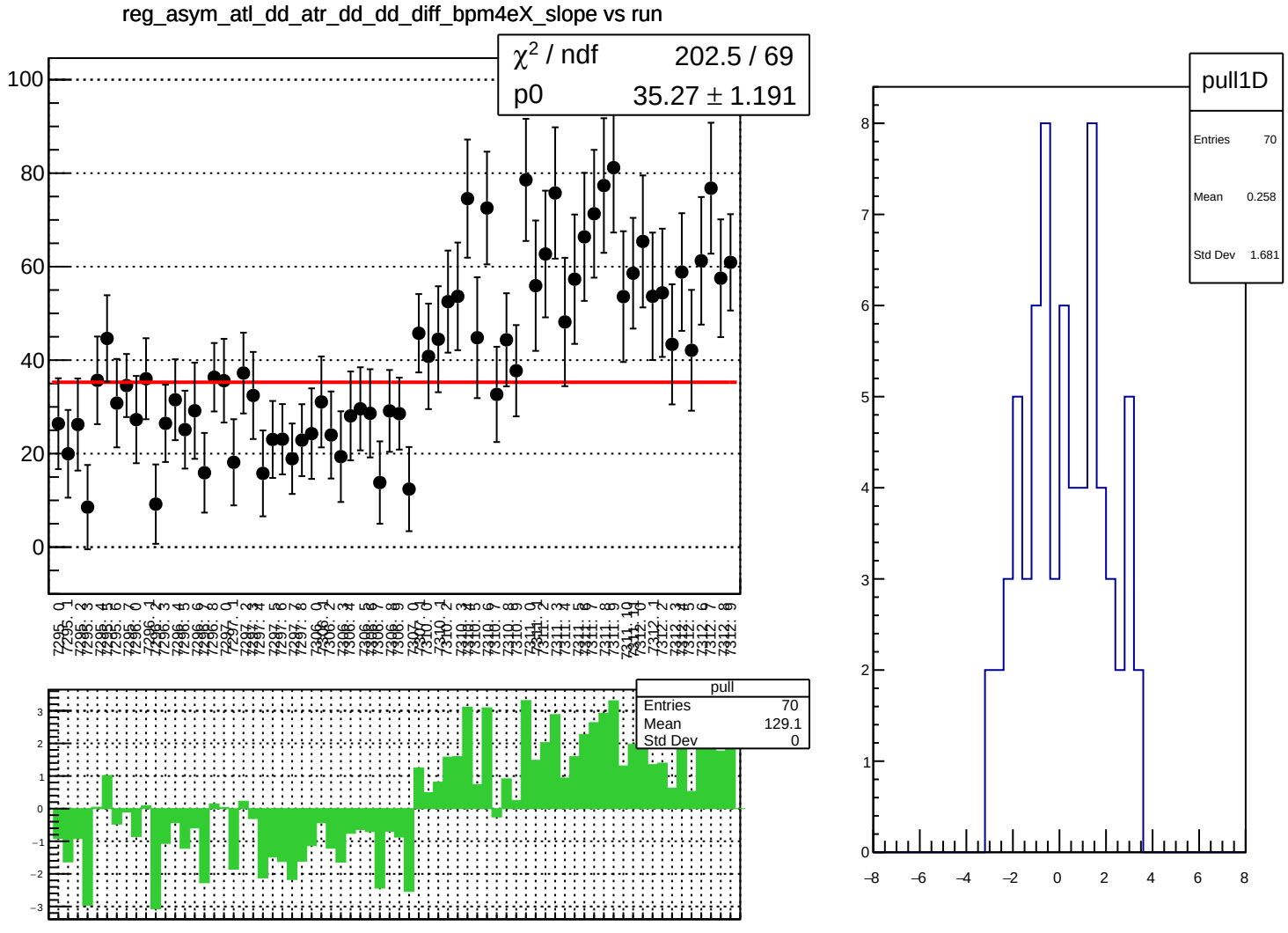

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.28 / 69
p0 −87.87 ± 4.247
pull
Entries 70
Mean 302.6
Std Dev 0
pull1D
Entries 70
Mean 0.04625
Std Dev 0.7758

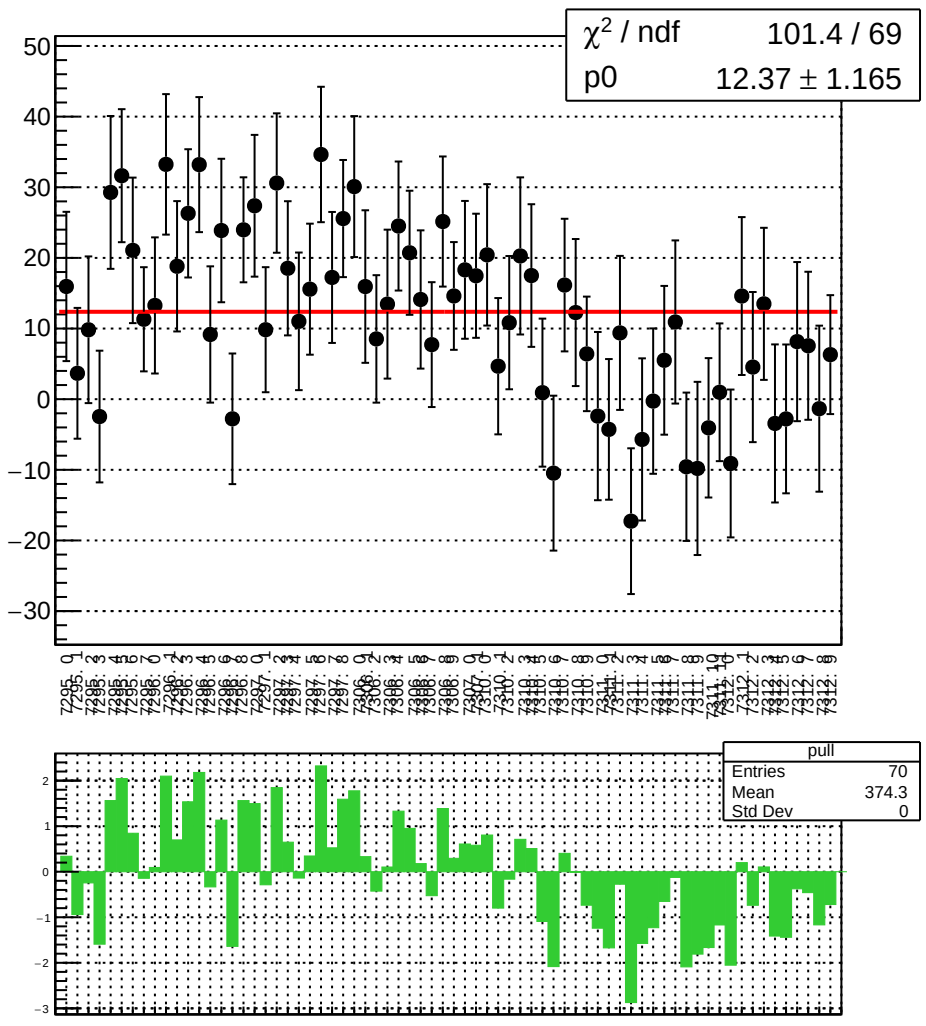

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 89.06 / 69
p0 110.9 ± 0.183
pull
Entries 70
Mean 311.6
Std Dev 0

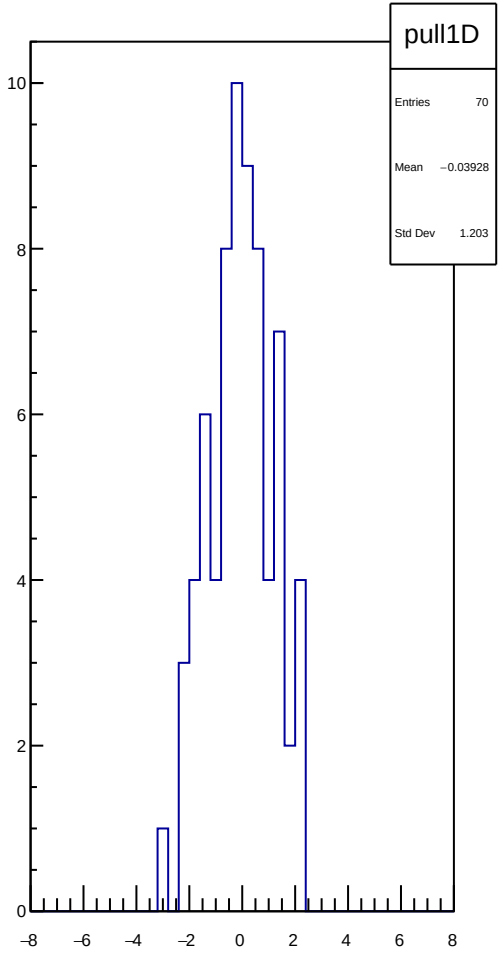

pull1D
Entries 70
Mean −0.05948
Std Dev 1.126

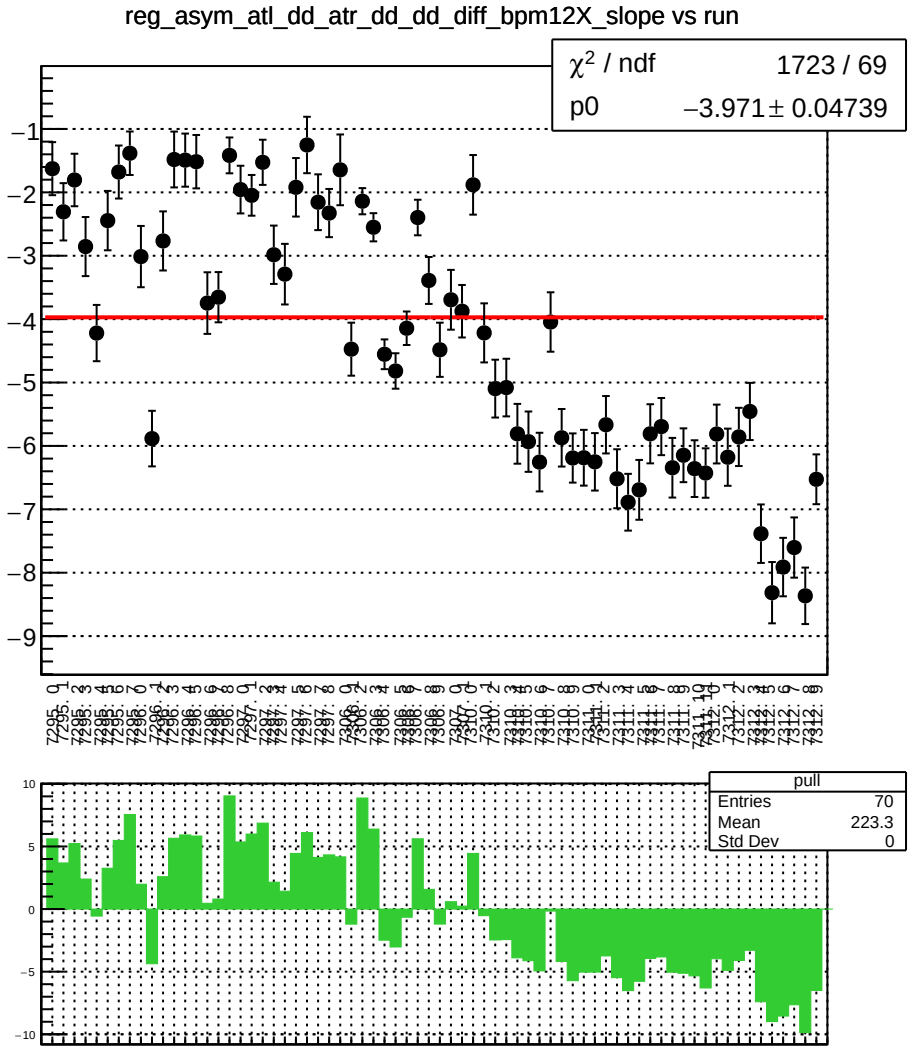

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 203.2 / 69
p0 26.82 ± 1.205
pull
Entries 70
Mean 131.7
Std Dev 0
pull1D
Entries 70
Mean −0.2506
Std Dev 1.685

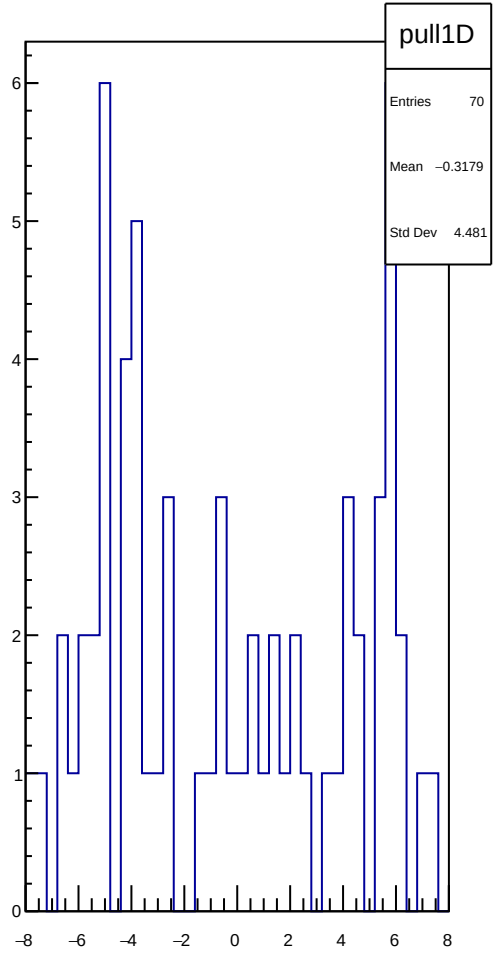

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 105 / 69
p0 −9.45 ± 1.088
pull
Entries 70
Mean 560.5
Std Dev 0
pull1D
Entries 70
Mean 0.0274
Std Dev 1.224

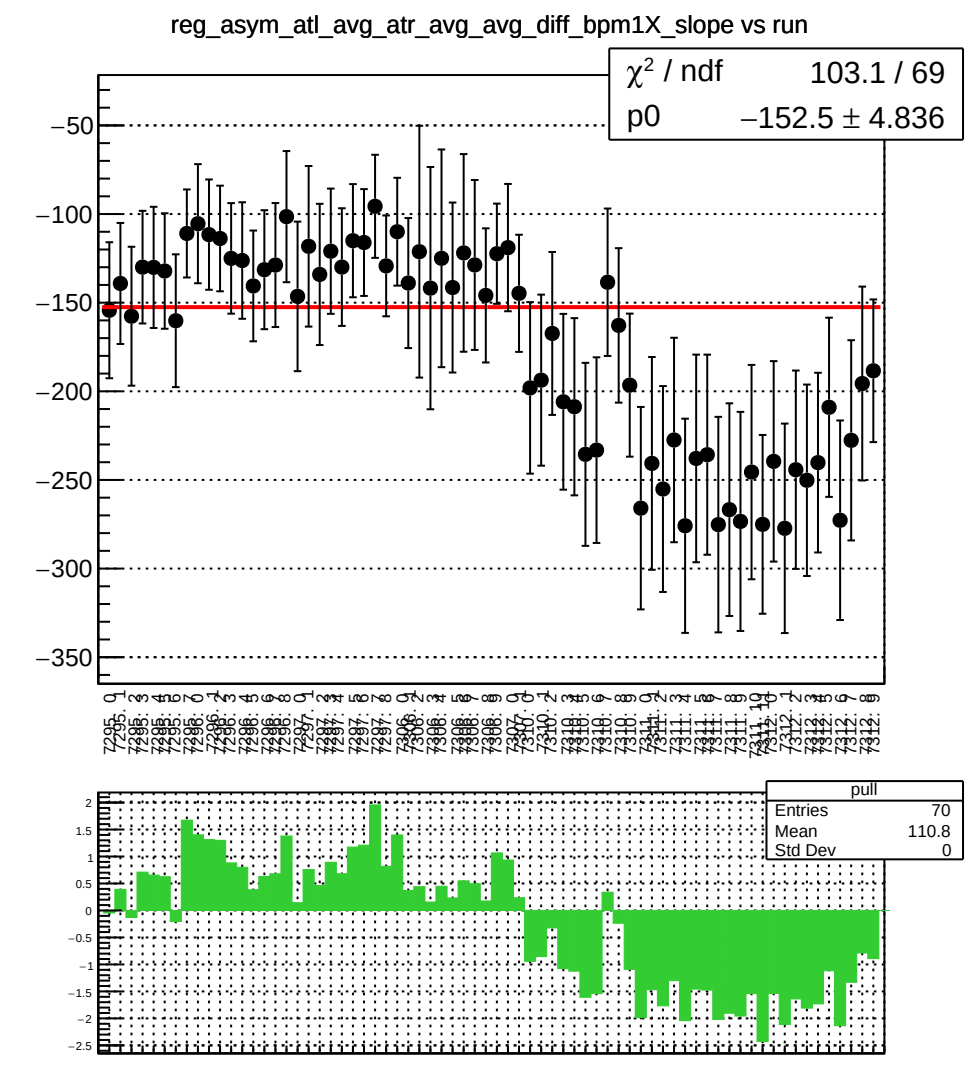

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 202.5 / 69
p0 35.27 ± 1.191
pull
Entries 70
Mean 129.1
Std Dev 0
pull1D
Entries 70
Mean 0.258
Std Dev 1.681

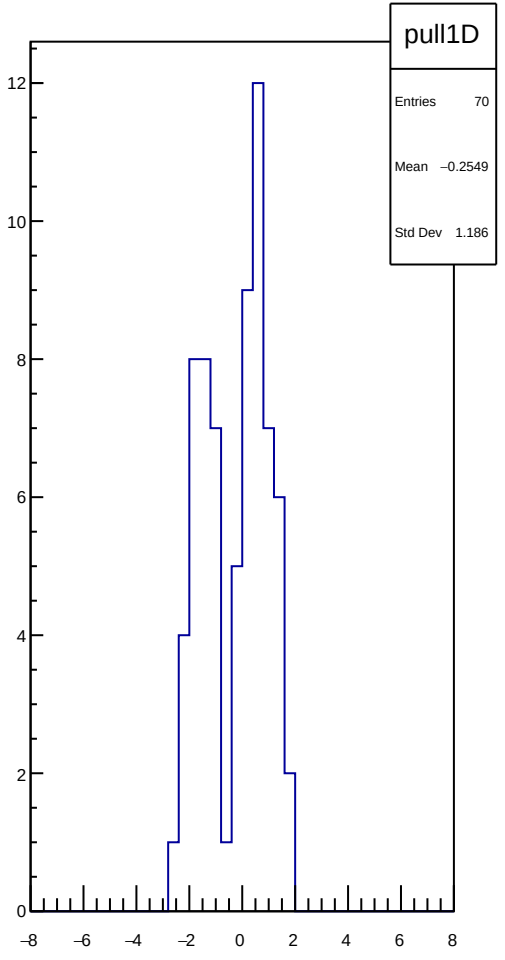

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 101.4 / 69
p0 12.37 ± 1.165
pull
Entries 70
Mean 374.3
Std Dev 0

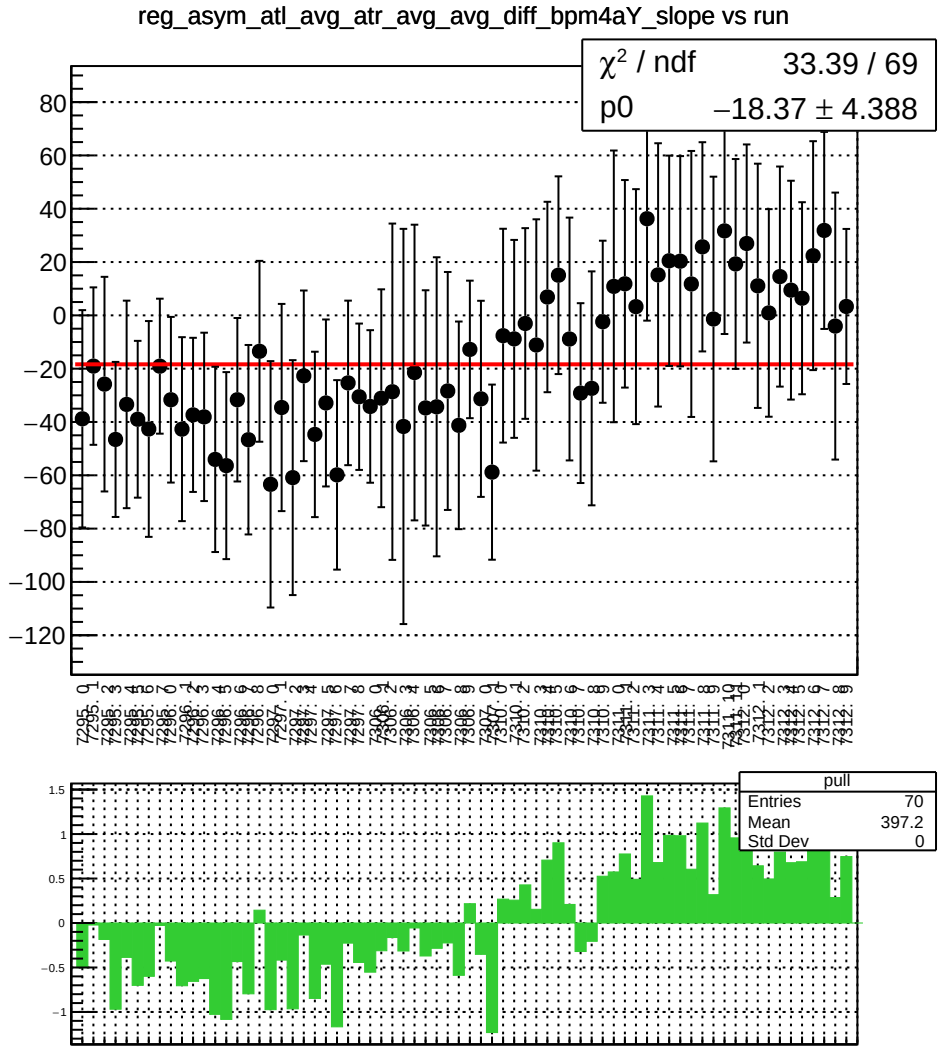

pull1D
Entries 70
Mean −0.03928
Std Dev 1.203

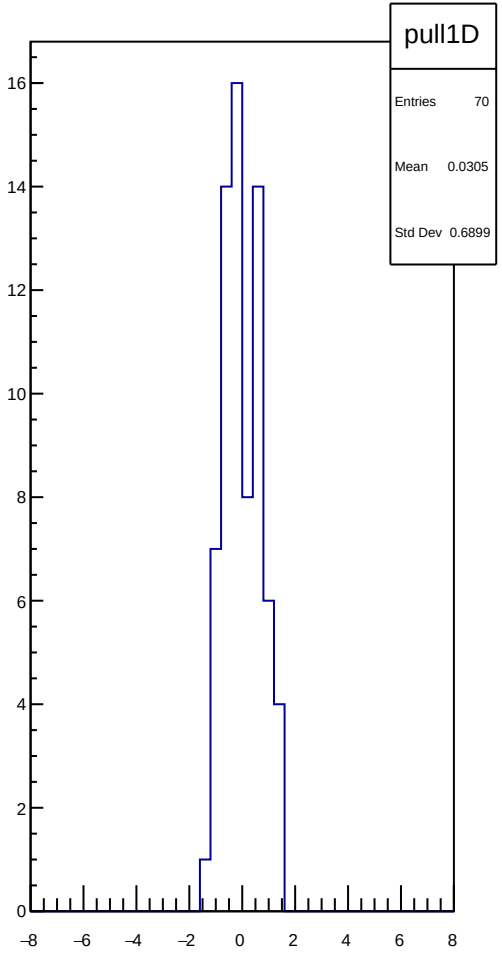

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1723 / 69
p0 −3.971 ± 0.04739
pull
Entries 70
Mean 223.3
Std Dev 0

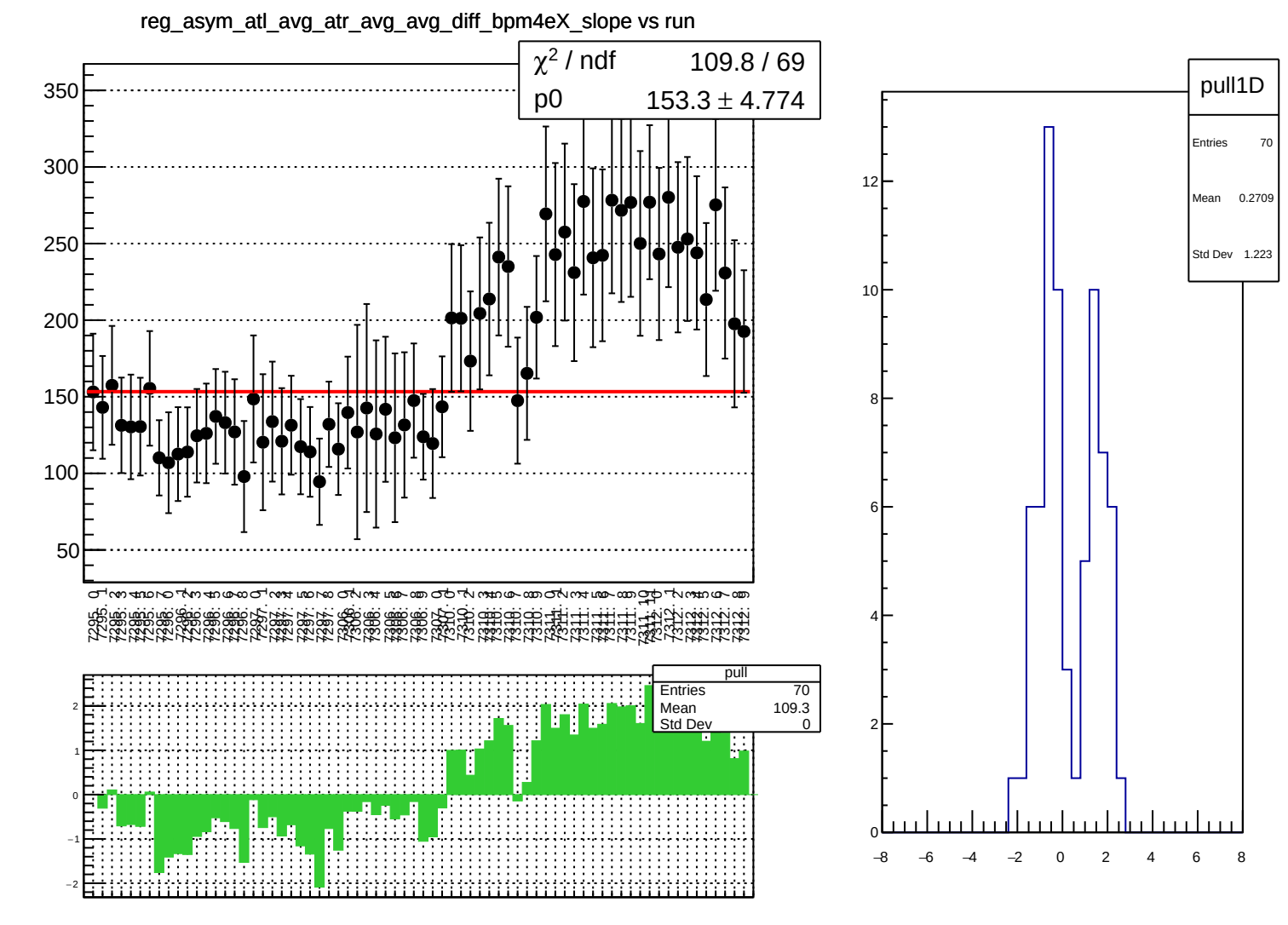

pull1D
Entries 70
Mean −0.3179
Std Dev 4.481

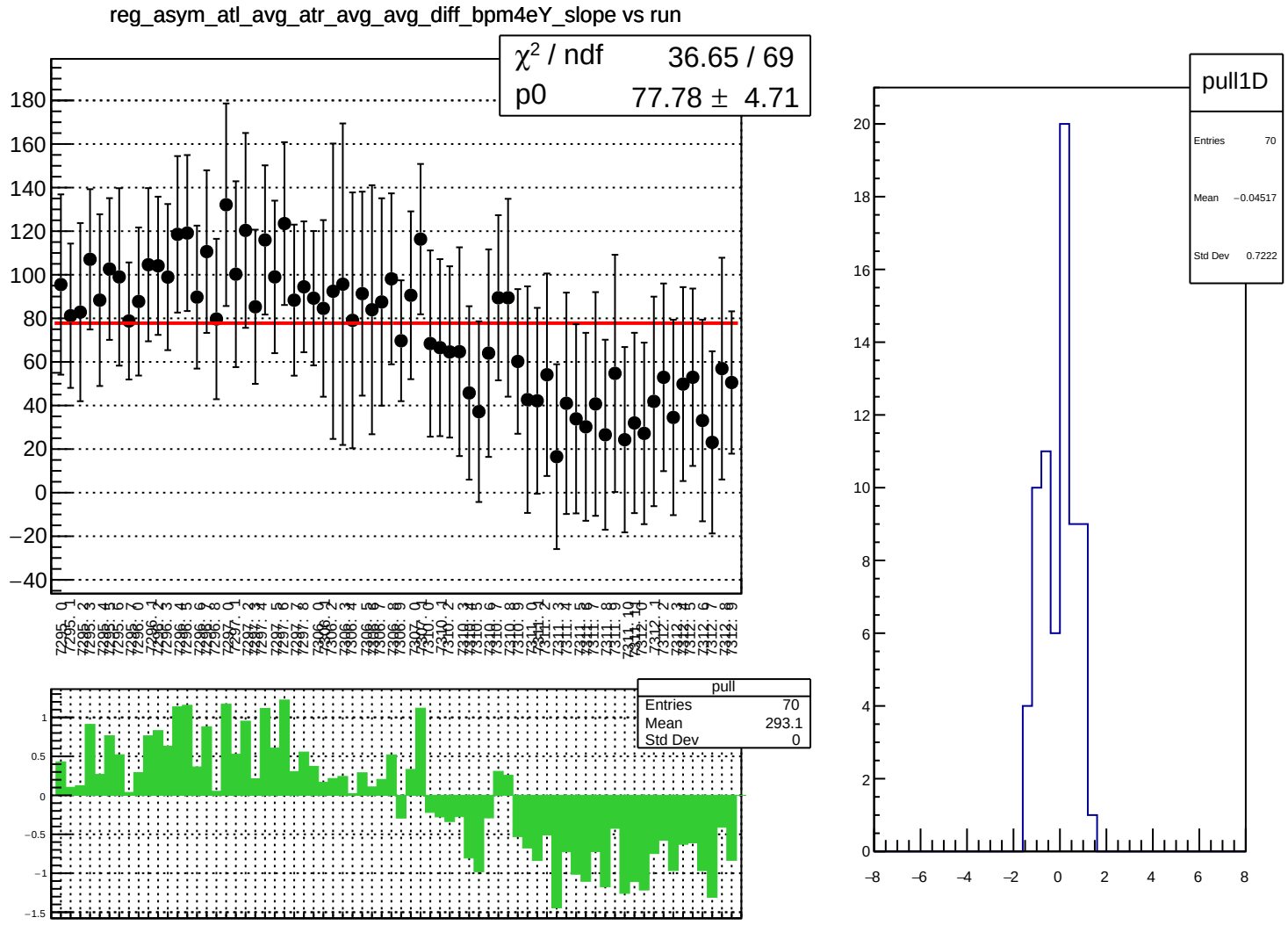

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 103.1 / 69
p0 −152.5 ± 4.836
pull
Entries 70
Mean 110.8
Std Dev 0

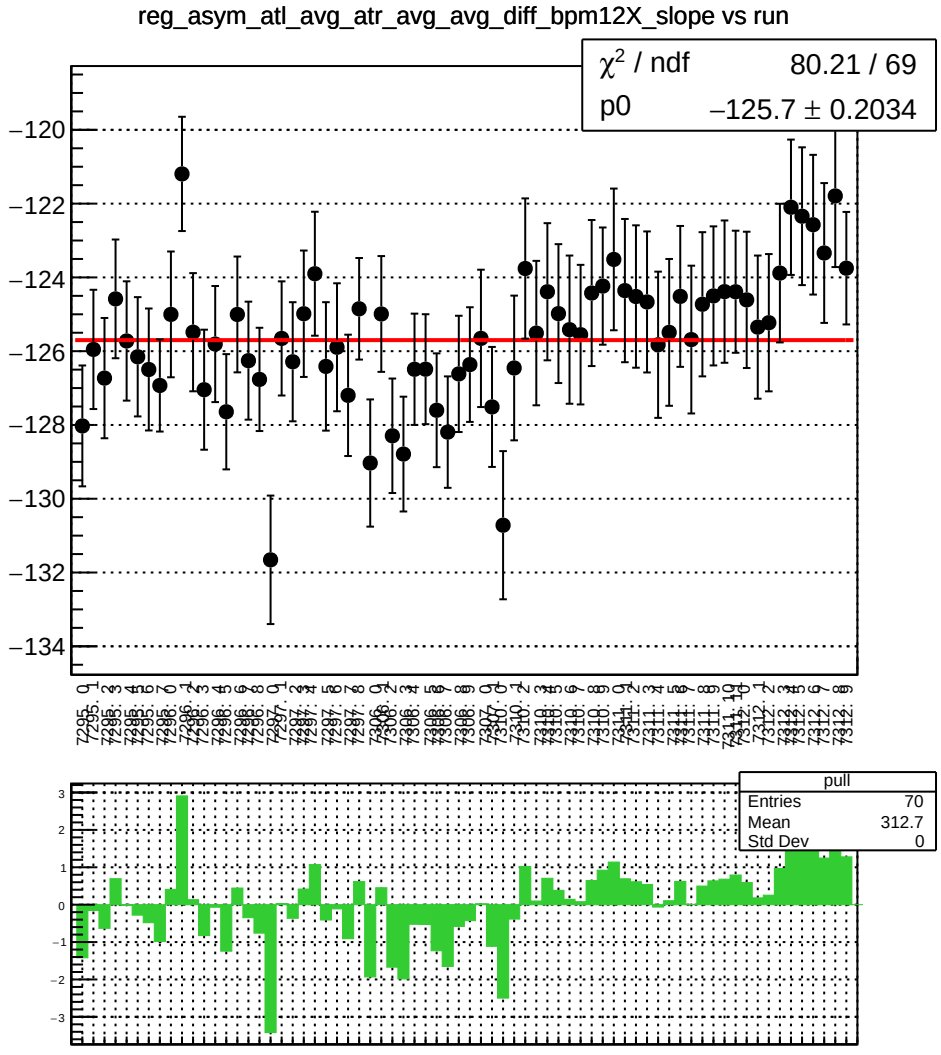

pull1D
Entries 70
Mean −0.2549
Std Dev 1.186

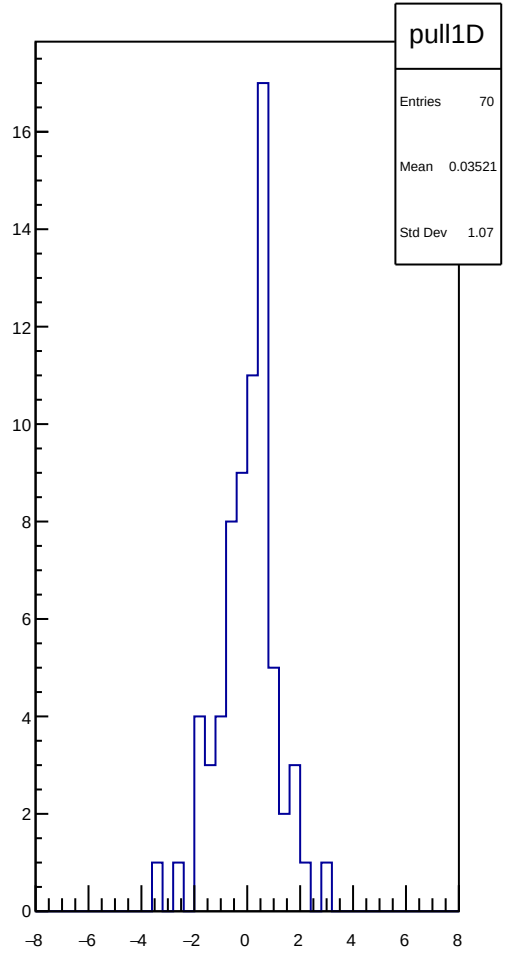

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.39 / 69
p0 −18.37 ± 4.388
pull
Entries 70
Mean 397.2
Std Dev 0

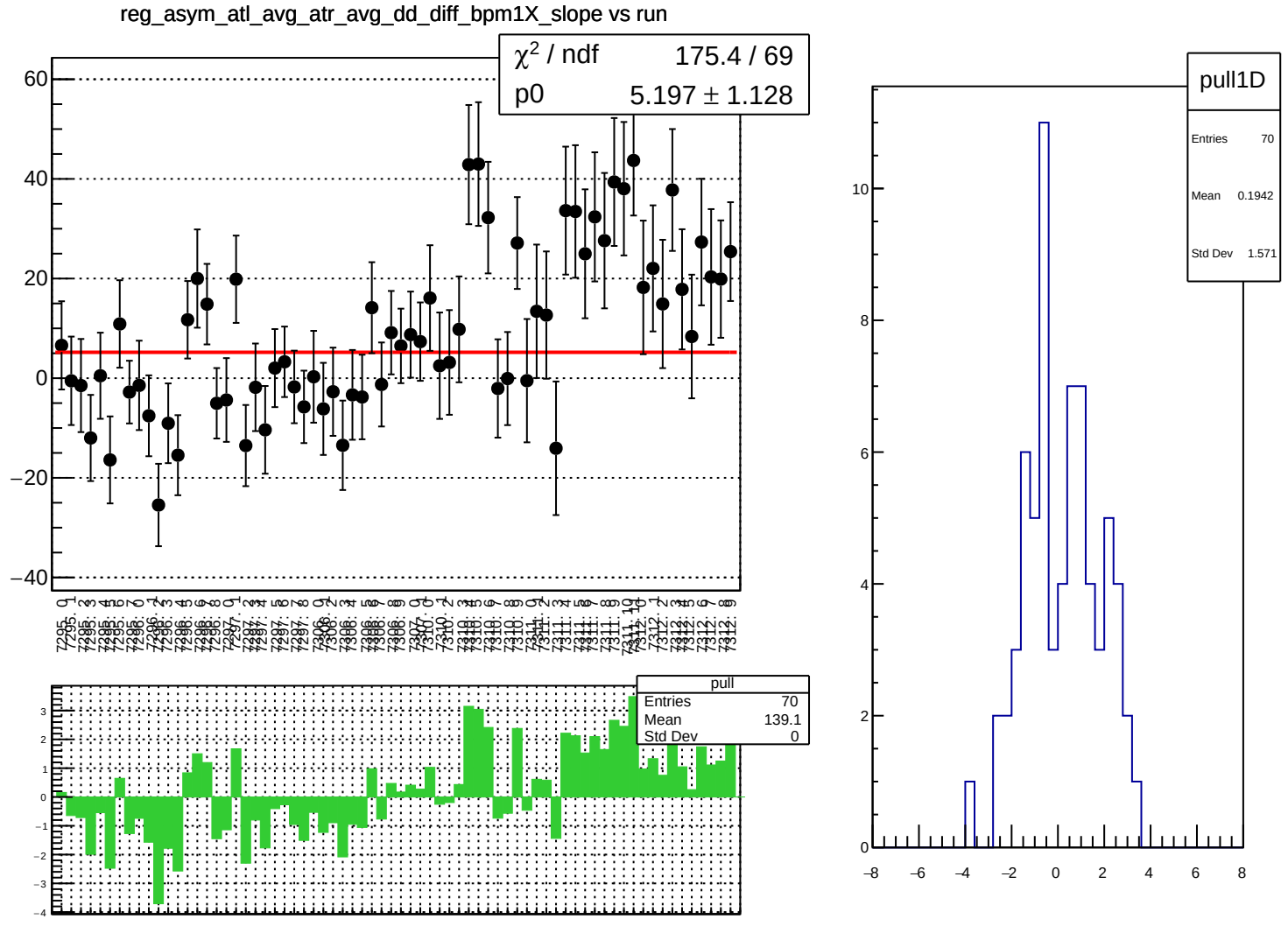

pull1D
Entries 70
Mean 0.0305
Std Dev 0.6899

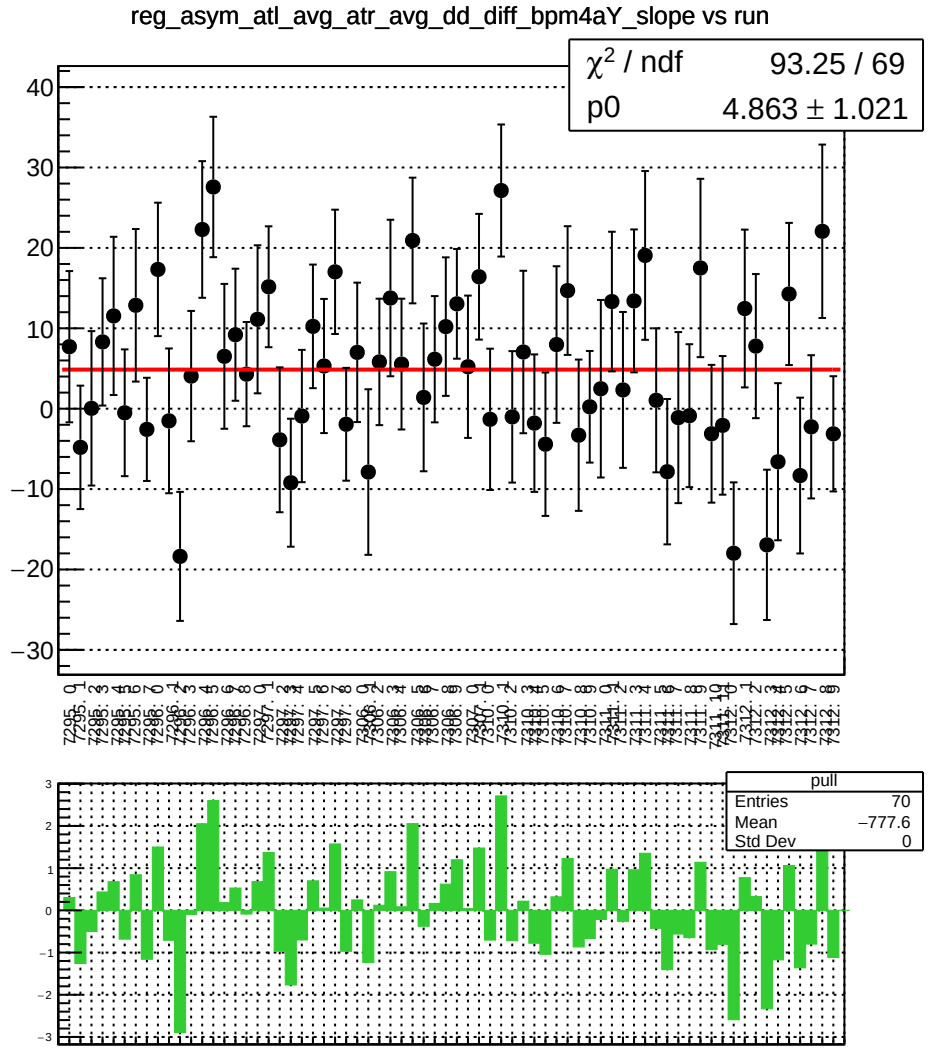

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 109.8 / 69
p0 153.3 ± 4.774
pull
Entries 70
Mean 109.3
Std Dev 0
pull1D
Entries 70
Mean 0.2709
Std Dev 1.223

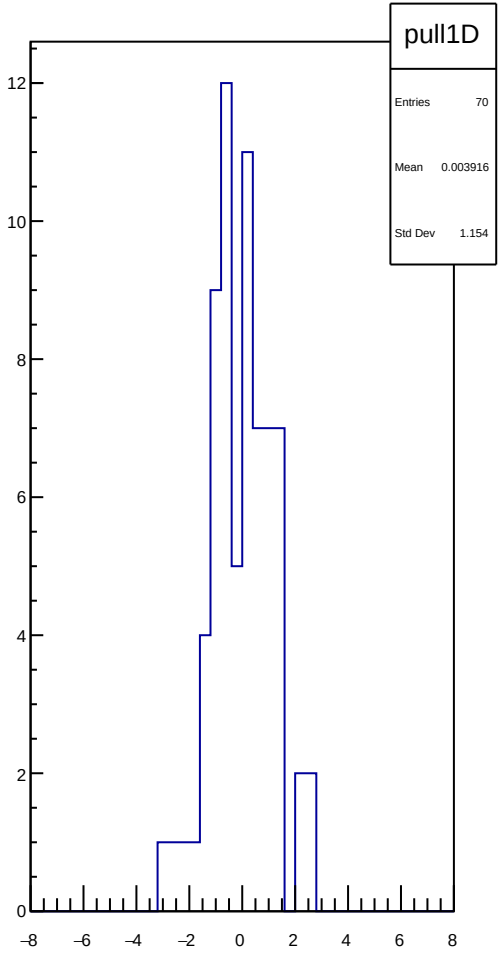

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.65 / 69
p0 77.78 ± 4.71
pull
Entries 70
Mean 293.1
Std Dev 0
pull1D
Entries 70
Mean −0.04517
Std Dev 0.7222

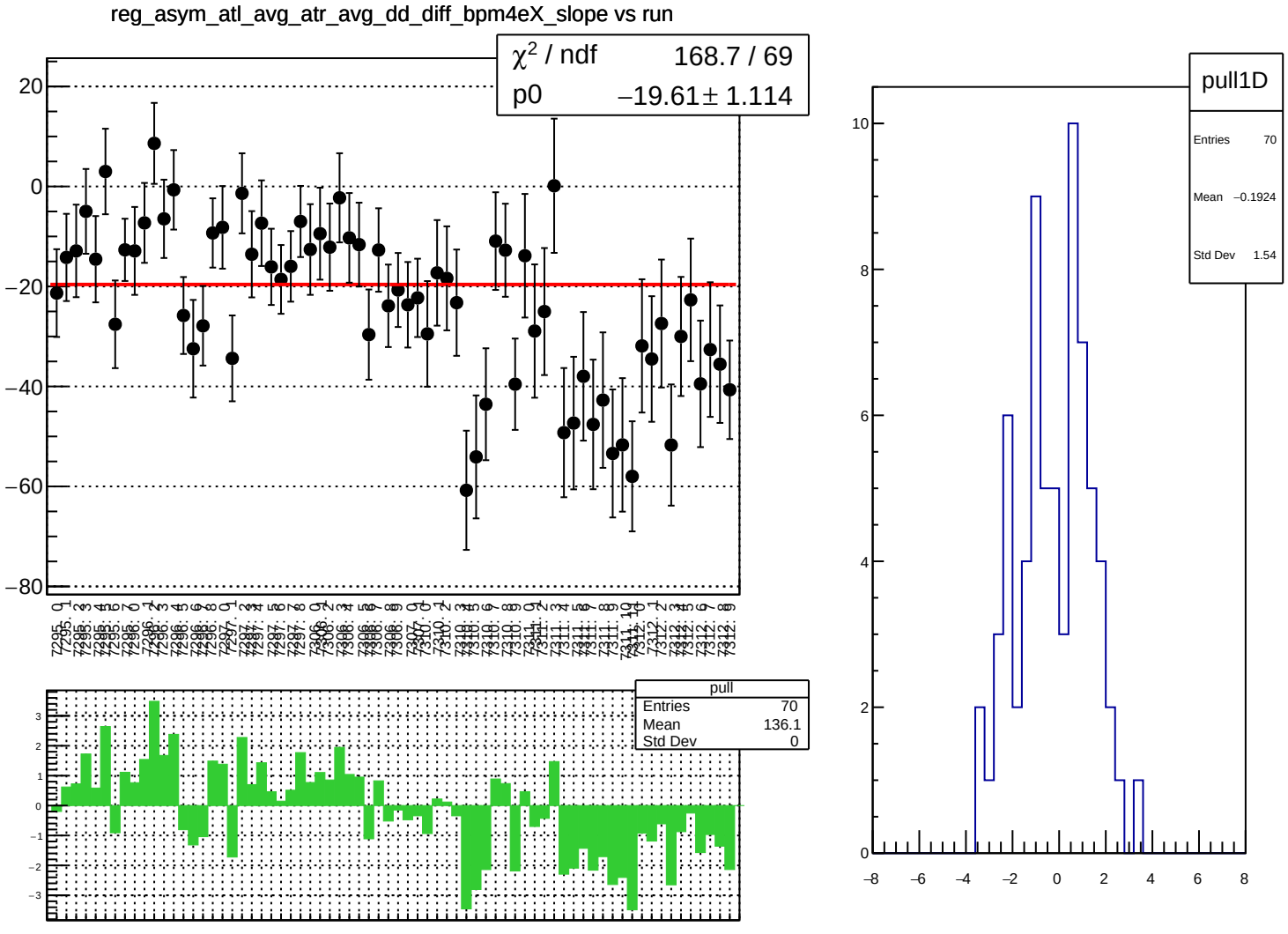

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 80.21 / 69
p0 −125.7 ± 0.2034
pull
Entries 70
Mean 312.7
Std Dev 0

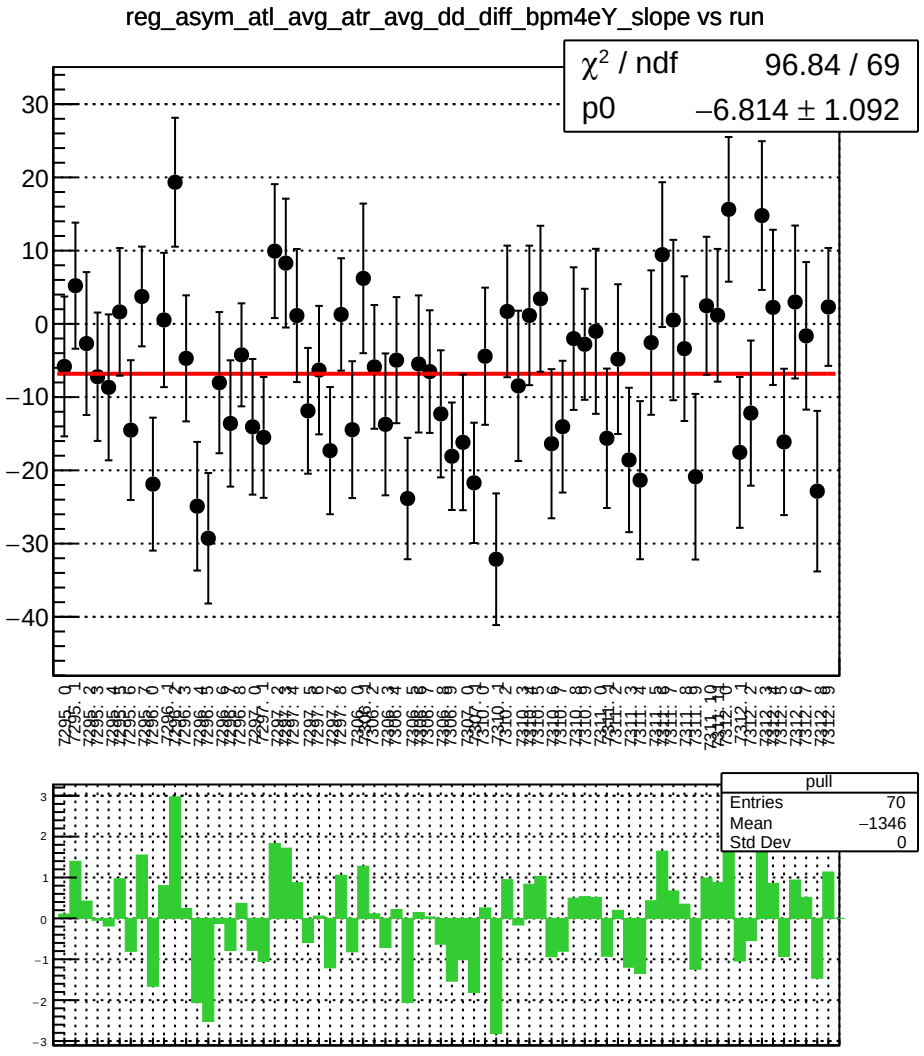

pull1D
Entries 70
Mean 0.03521
Std Dev 1.07

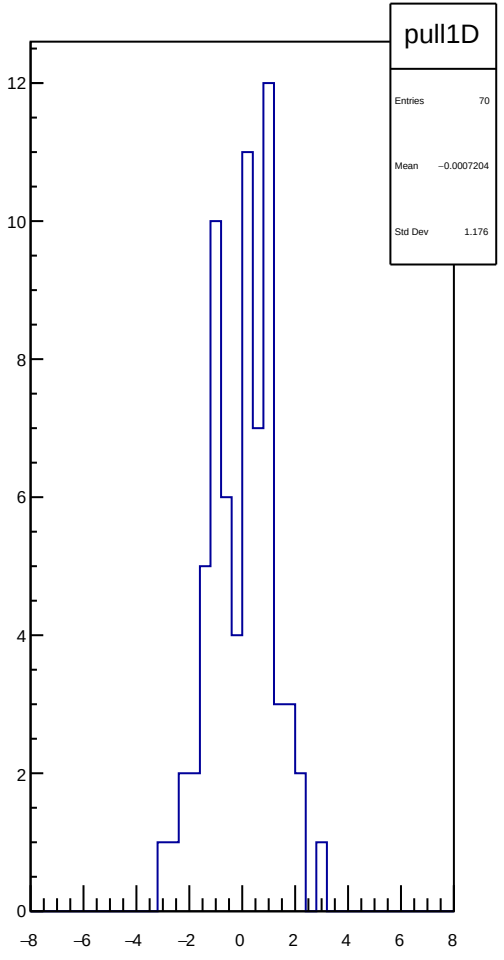

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 175.4 / 69
p0 5.197 ± 1.128
pull
Entries 70
Mean 139.1
Std Dev 0
pull1D
Entries 70
Mean 0.1942
Std Dev 1.571

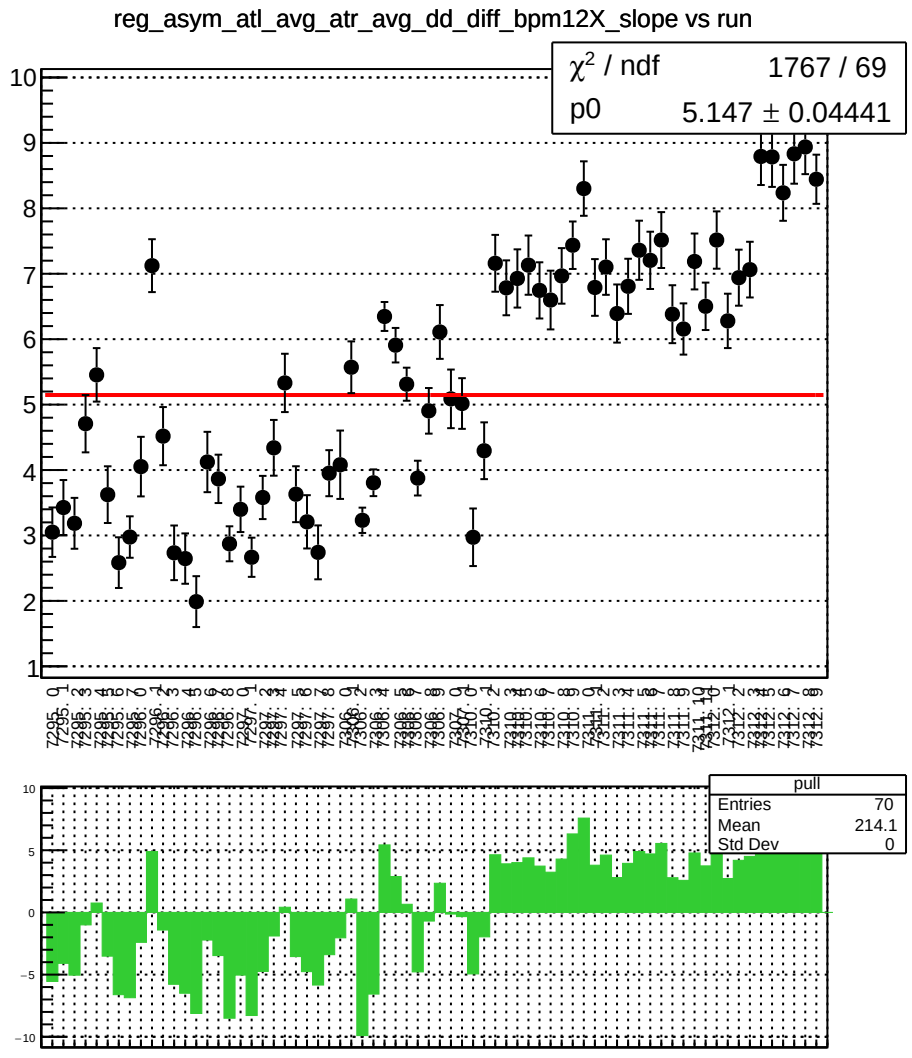

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.25 / 69
p0 4.863 ± 1.021
pull
Entries 70
Mean −777.6
Std Dev 0

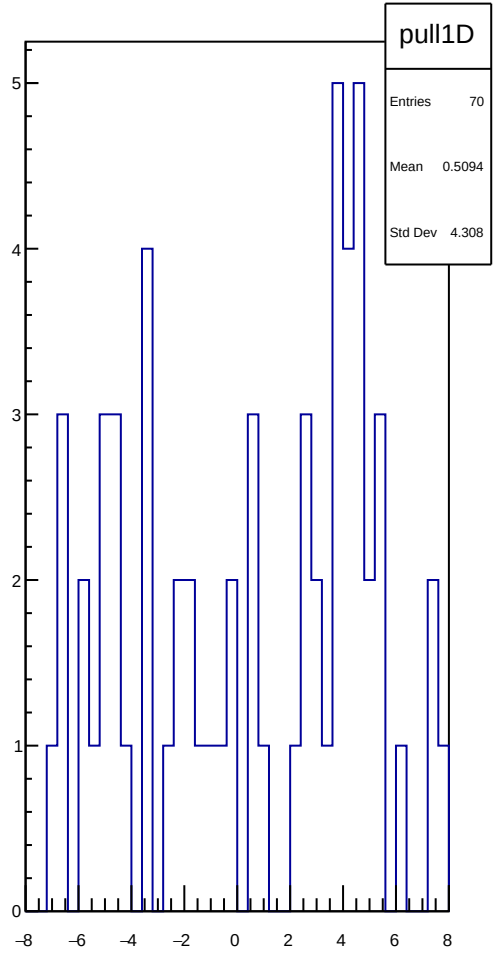

pull1D
Entries 70
Mean 0.003916
Std Dev 1.154

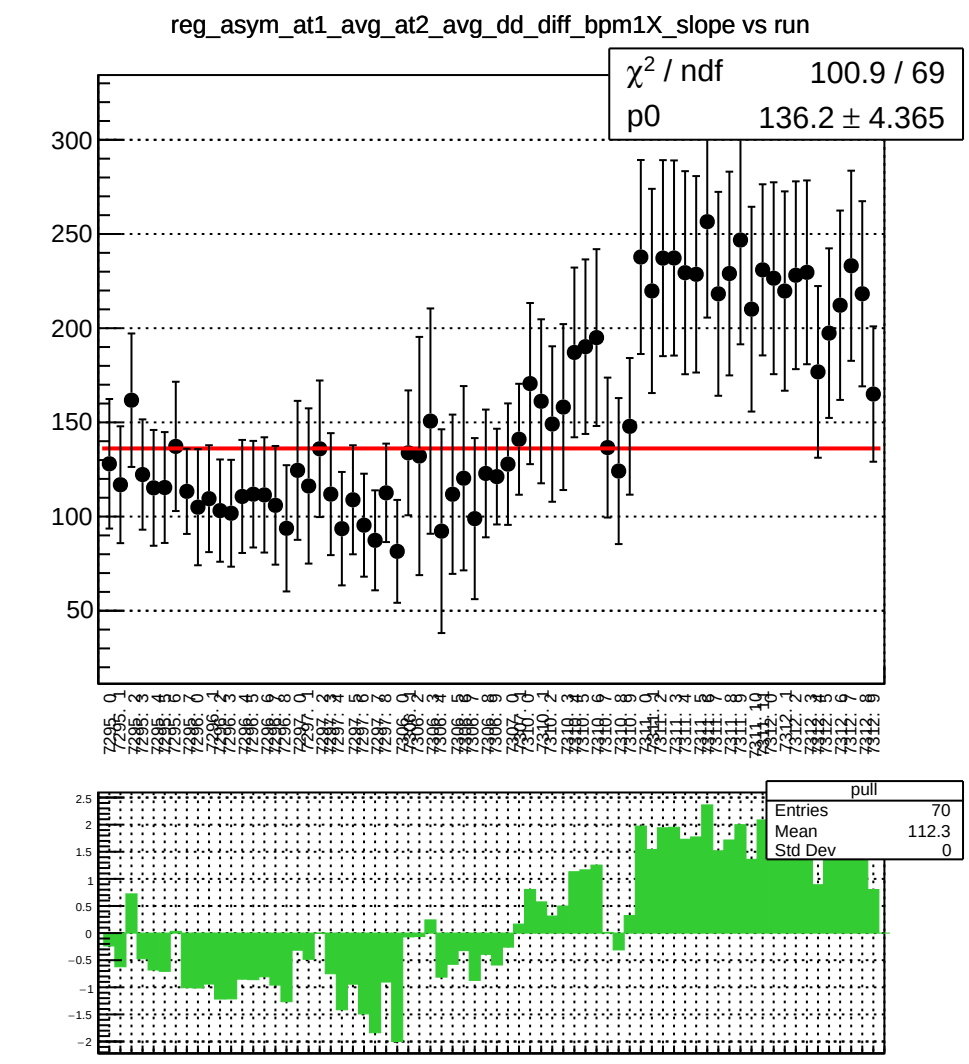

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 168.7 / 69
p0 −19.61 ± 1.114
pull
Entries 70
Mean 136.1
Std Dev 0
pull1D
Entries 70
Mean −0.1924
Std Dev 1.54

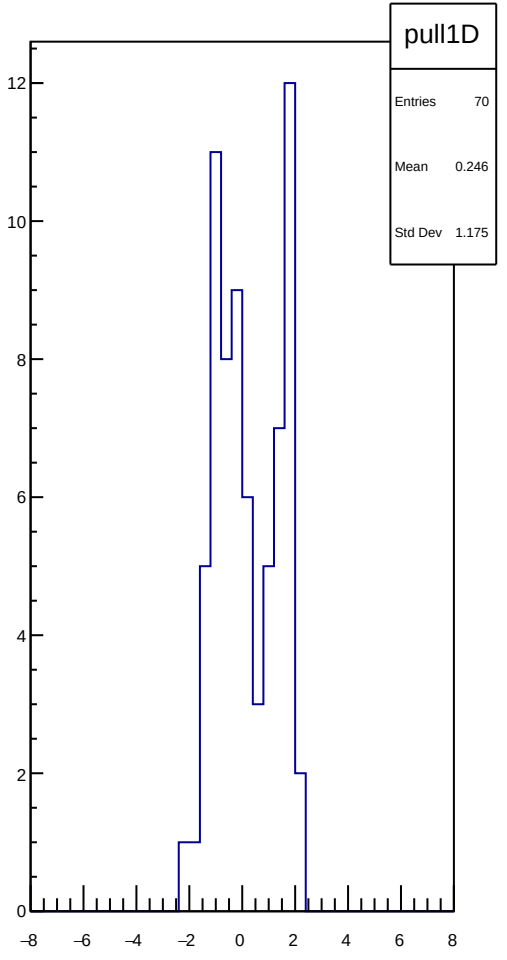

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.84 / 69
p0 −6.814 ± 1.092
pull
Entries 70
Mean −1346
Std Dev 0

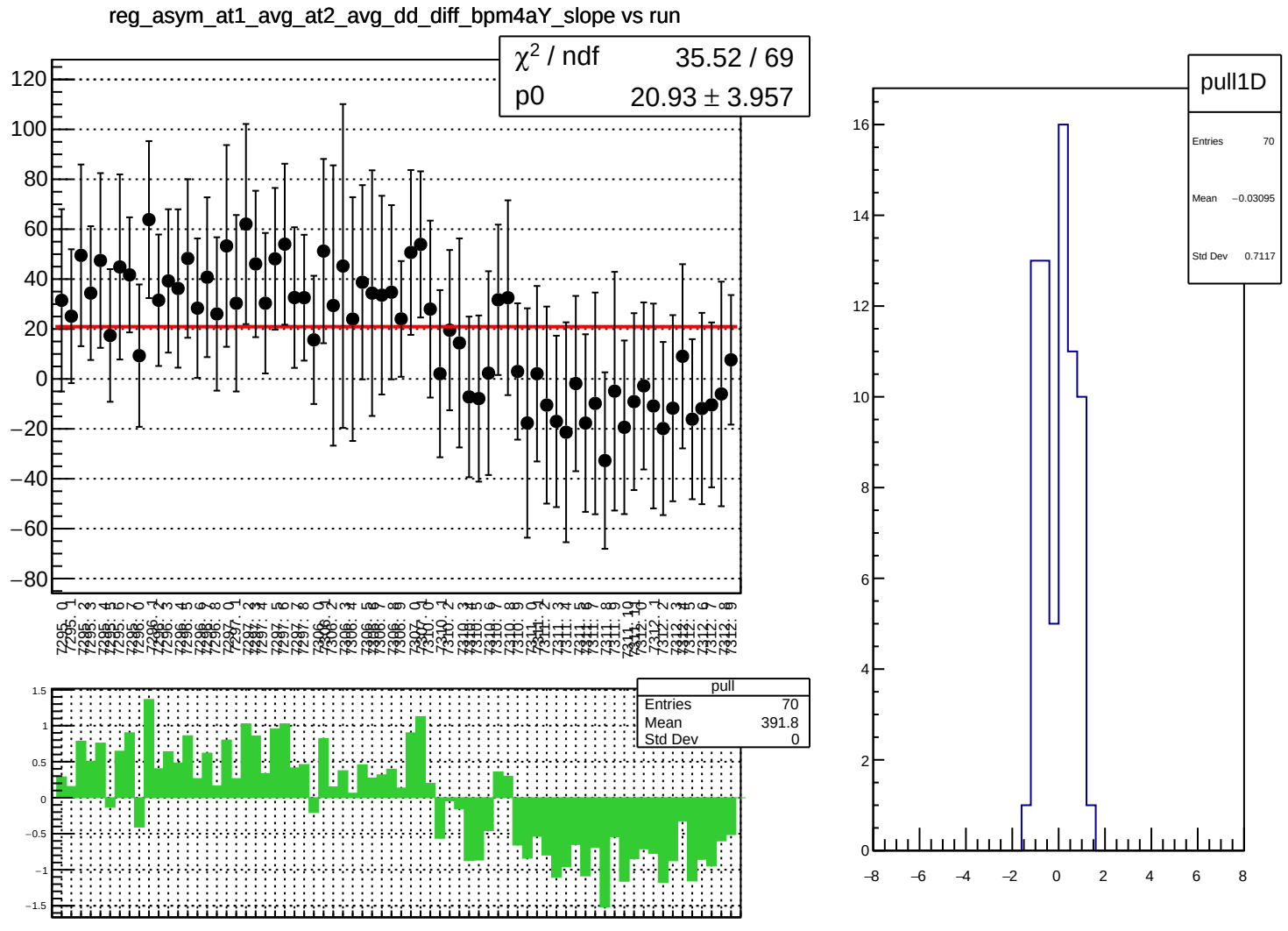

pull1D
Entries 70
Mean −0.0007204
Std Dev 1.176

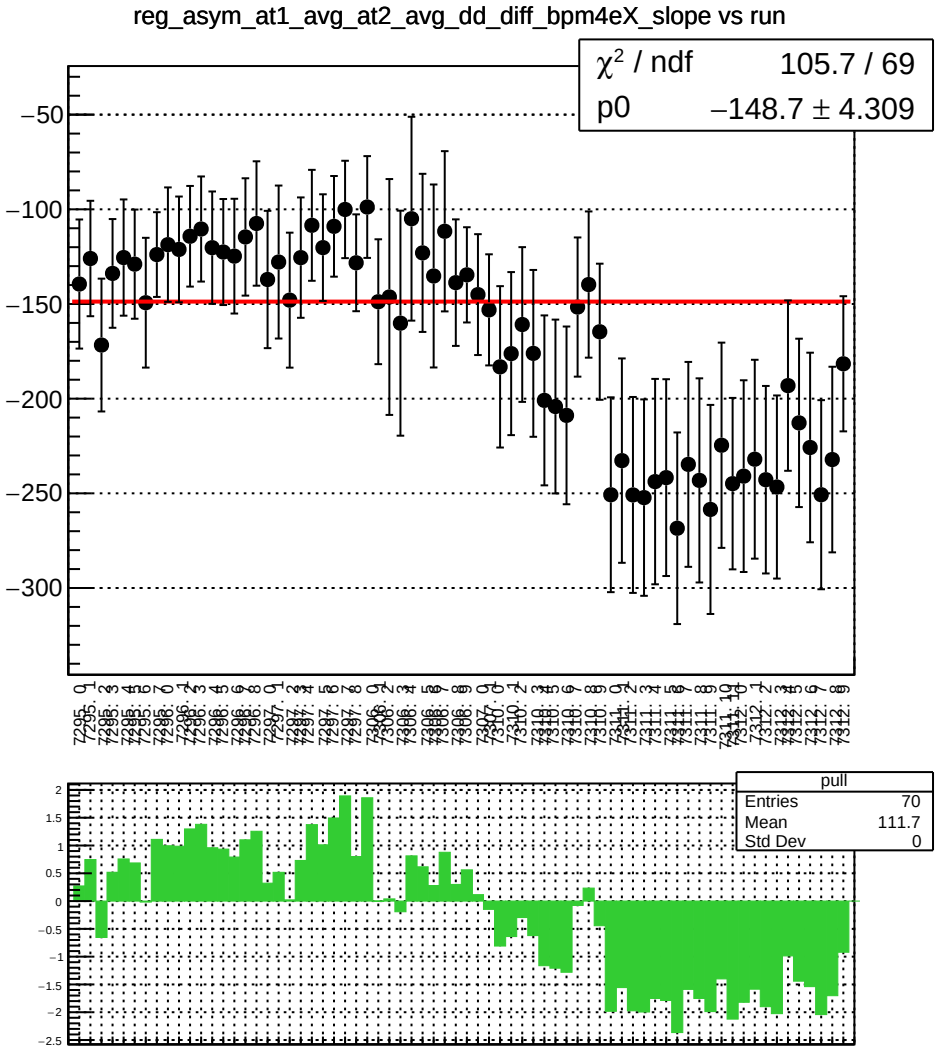

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1767 / 69
p0 5.147 ± 0.04441
pull
Entries 70
Mean 214.1
Std Dev 0

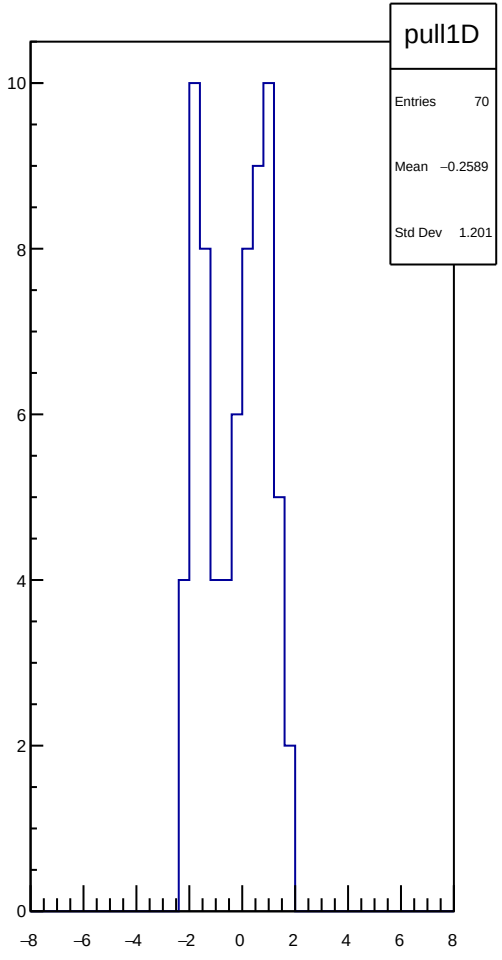

pull1D
Entries 70
Mean 0.5094
Std Dev 4.308

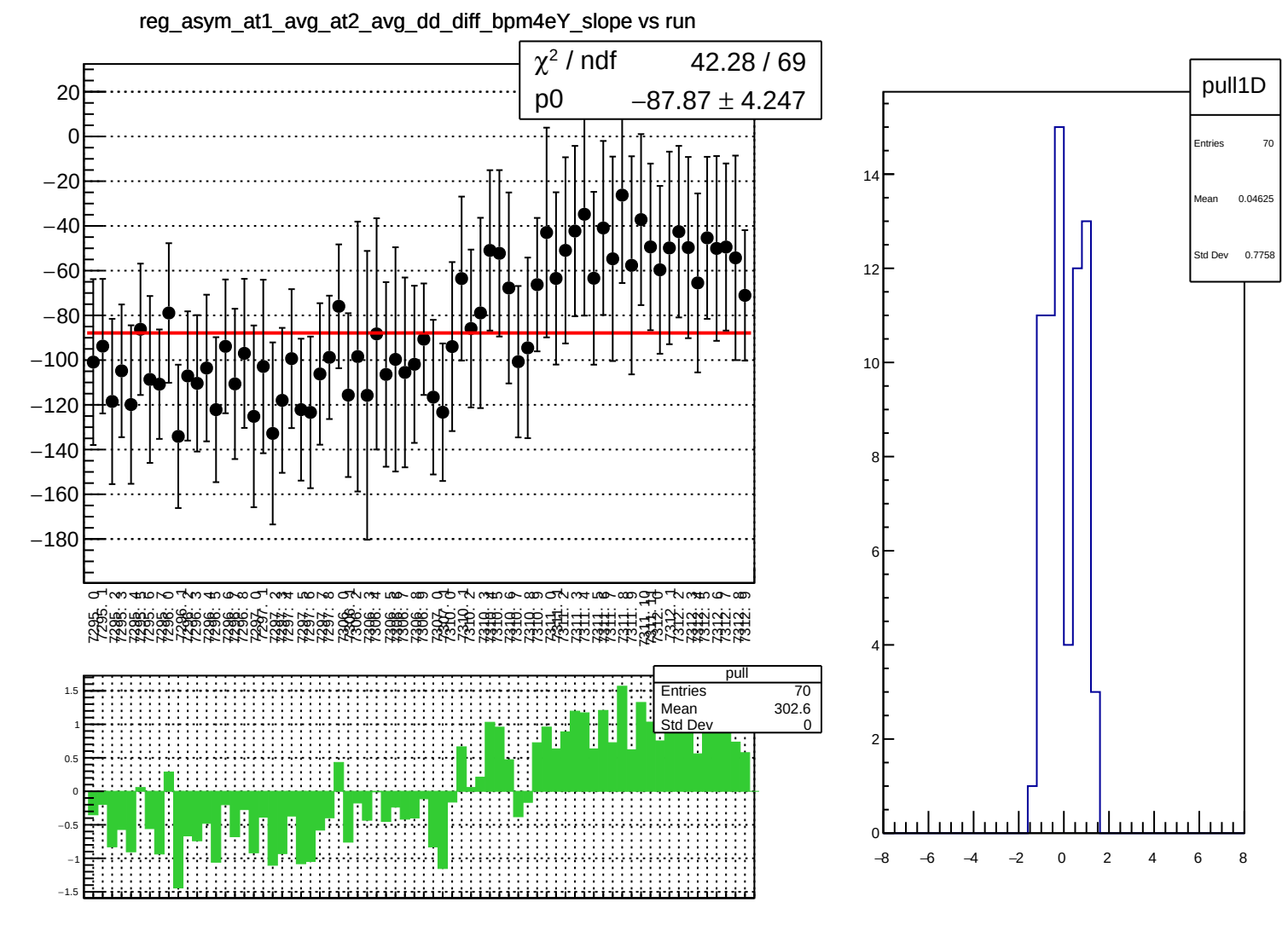

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 100.9 / 69
p0 136.2 ± 4.365
pull
Entries 70
Mean 112.3
Std Dev 0

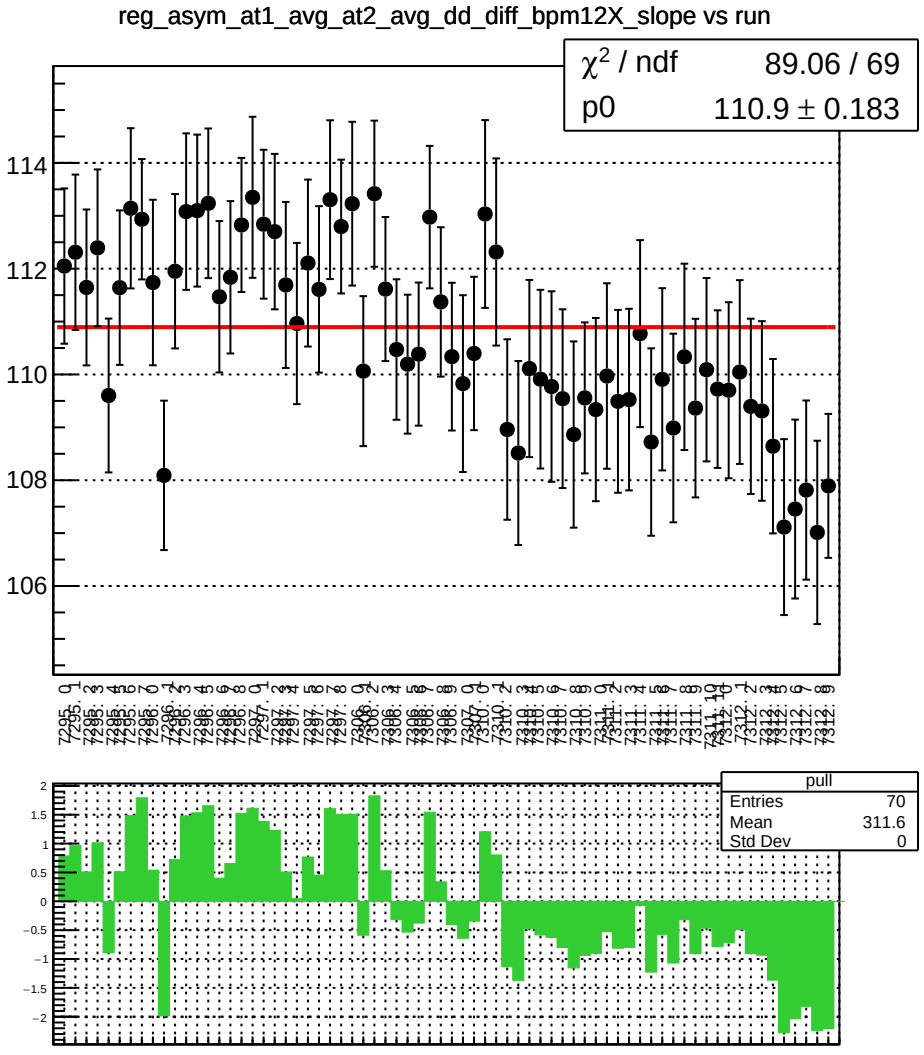

pull1D
Entries 70
Mean 0.246
Std Dev 1.175

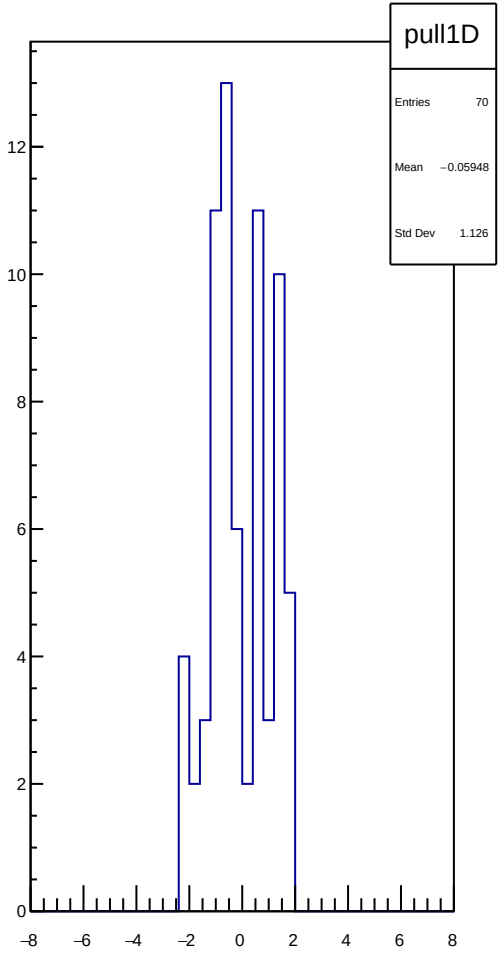

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.52 / 69
p0 20.93 ± 3.957
pull
Entries 70
Mean 391.8
Std Dev 0
pull1D
Entries 70
Mean −0.03095
Std Dev 0.7117

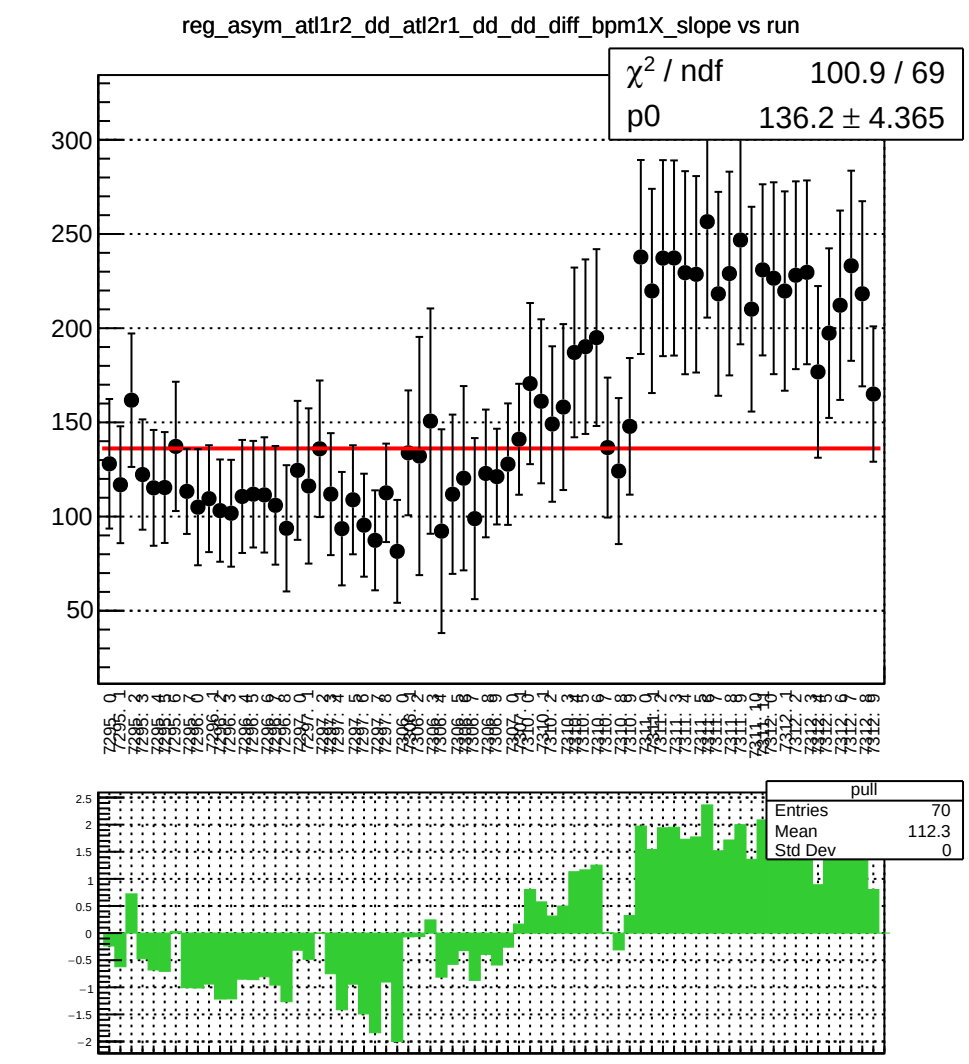

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.7 / 69
p0 −148.7 ± 4.309
pull
Entries 70
Mean 111.7
Std Dev 0

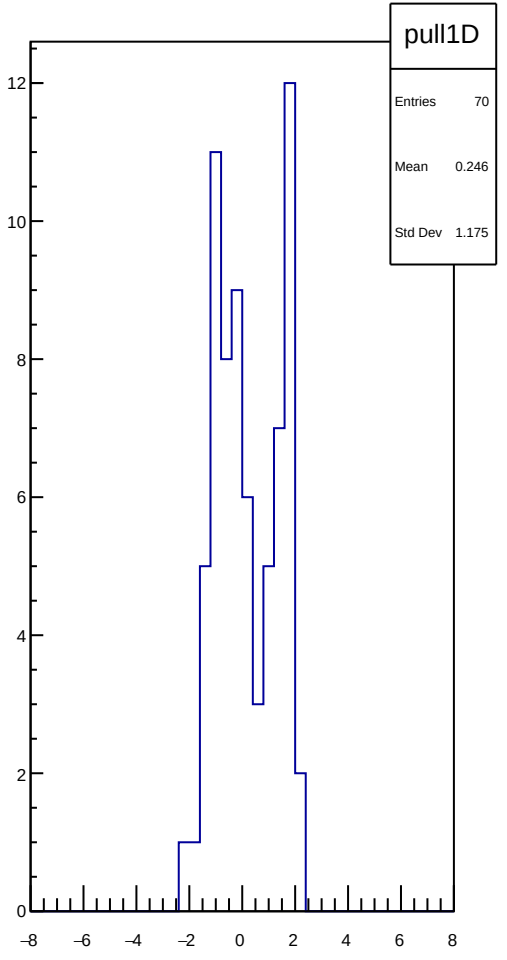

pull1D
Entries 70
Mean −0.2589
Std Dev 1.201

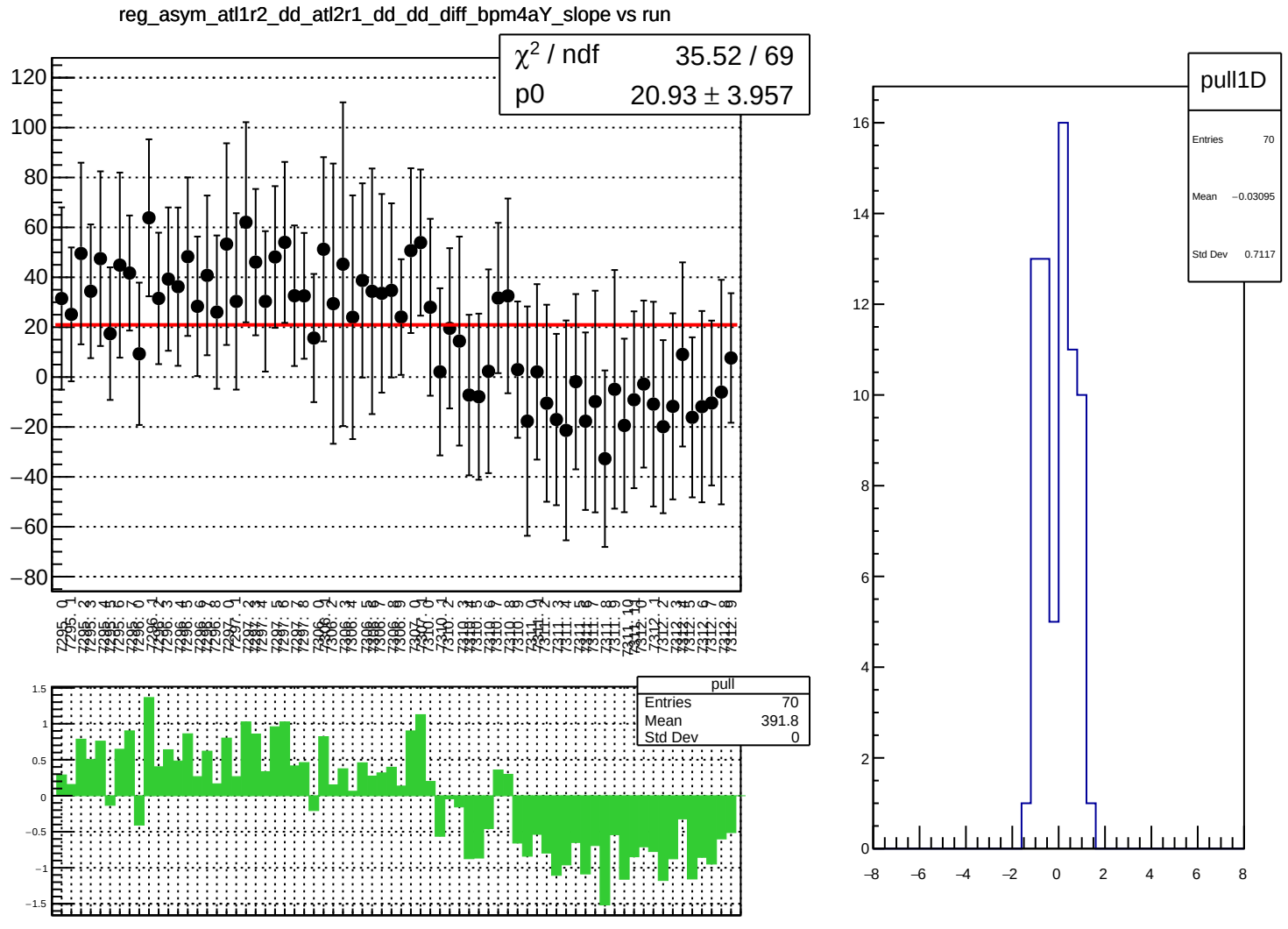

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.28 / 69
p0 −87.87 ± 4.247
pull
Entries 70
Mean 302.6
Std Dev 0
pull1D
Entries 70
Mean 0.04625
Std Dev 0.7758

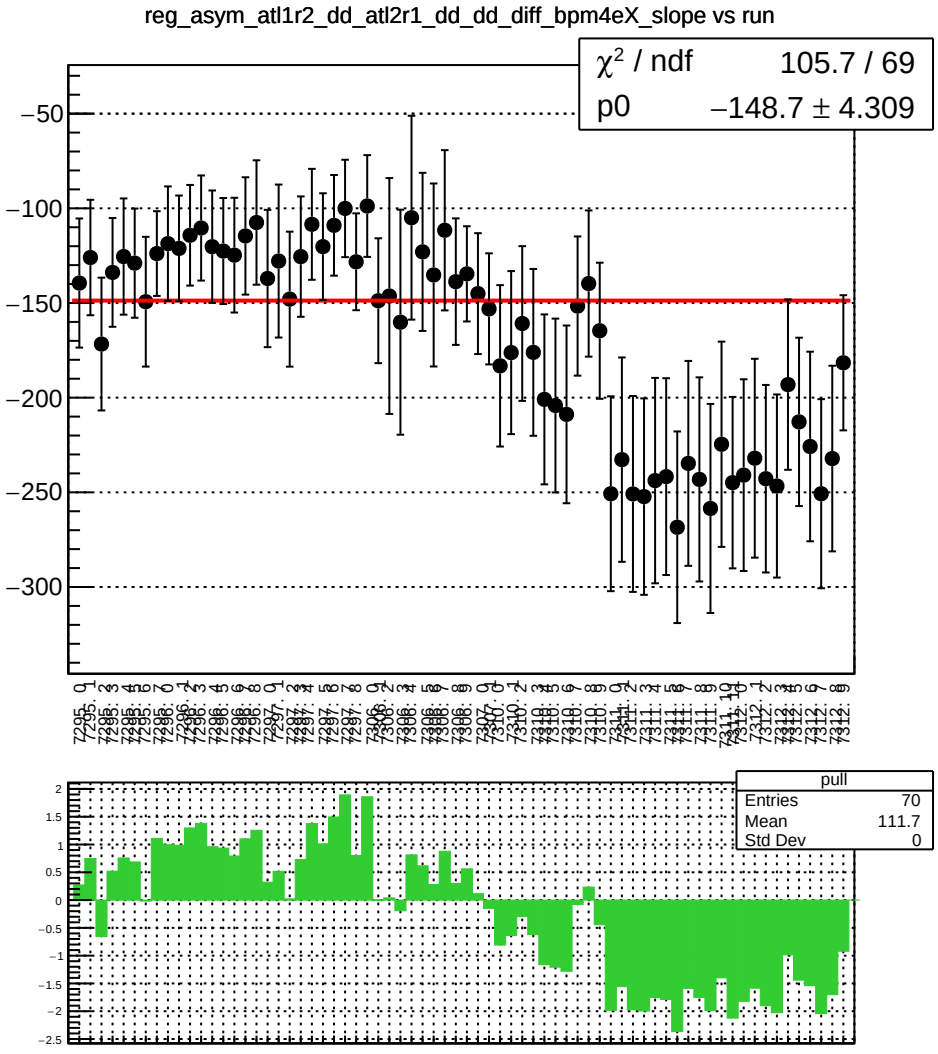

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 89.06 / 69
p0 110.9 ± 0.183
pull
Entries 70
Mean 311.6
Std Dev 0

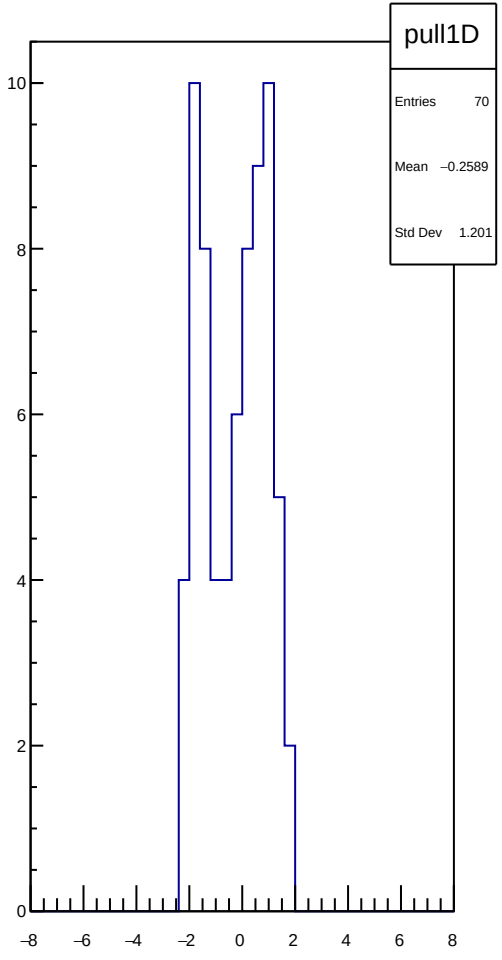

pull1D
Entries 70
Mean −0.05948
Std Dev 1.126

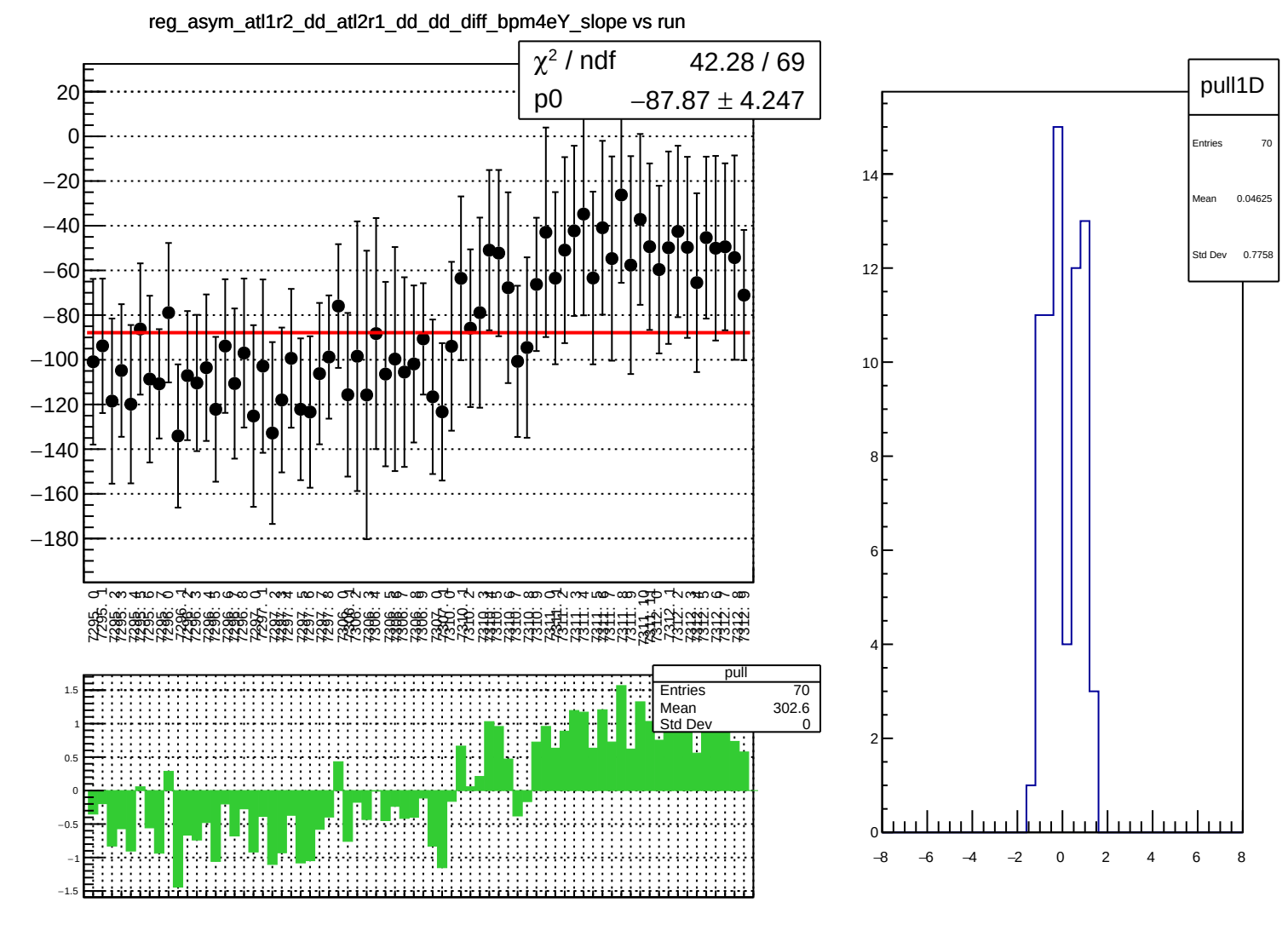

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 100.9 / 69
p0 136.2 ± 4.365
pull
Entries 70
Mean 112.3
Std Dev 0

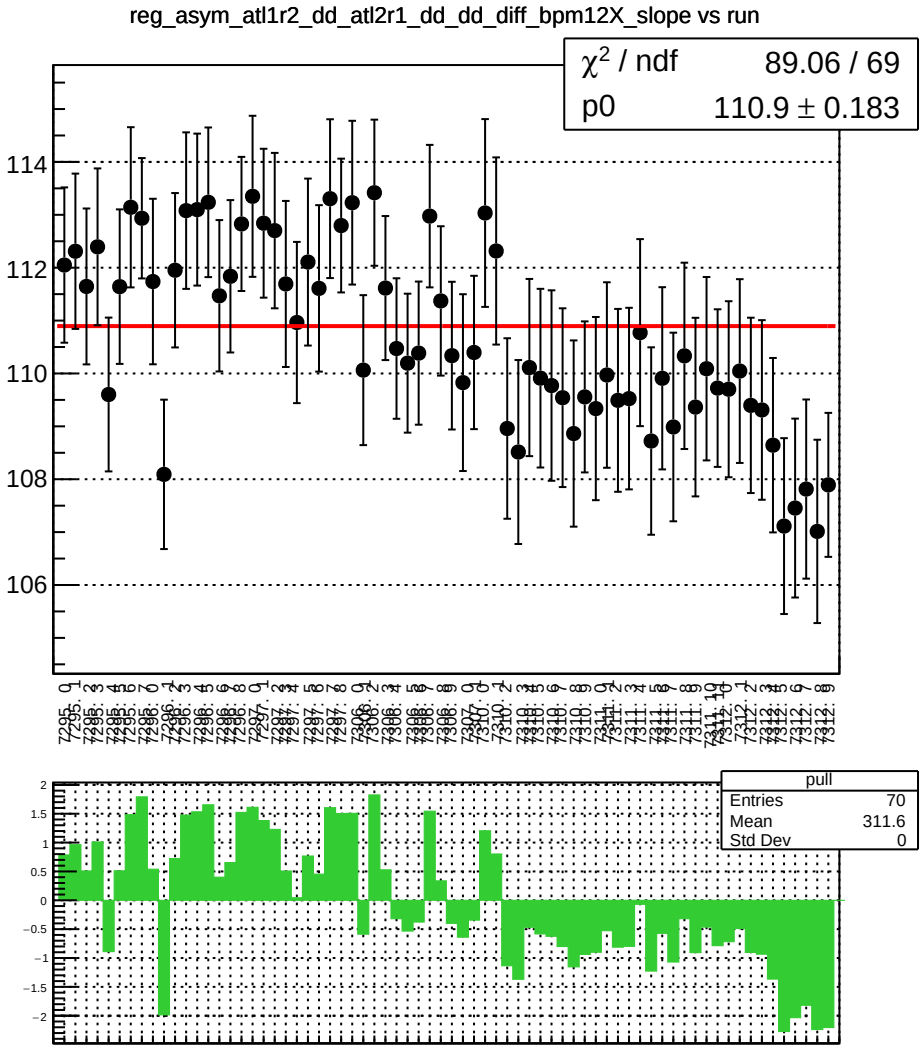

pull1D
Entries 70
Mean 0.246
Std Dev 1.175

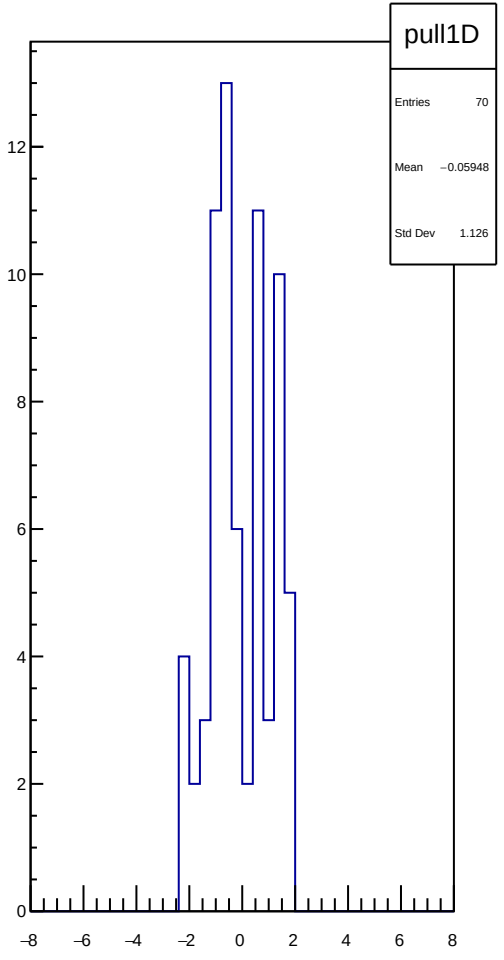

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 35.52 / 69
p0 20.93 ± 3.957
pull
Entries 70
Mean 391.8
Std Dev 0
pull1D
Entries 70
Mean −0.03095
Std Dev 0.7117

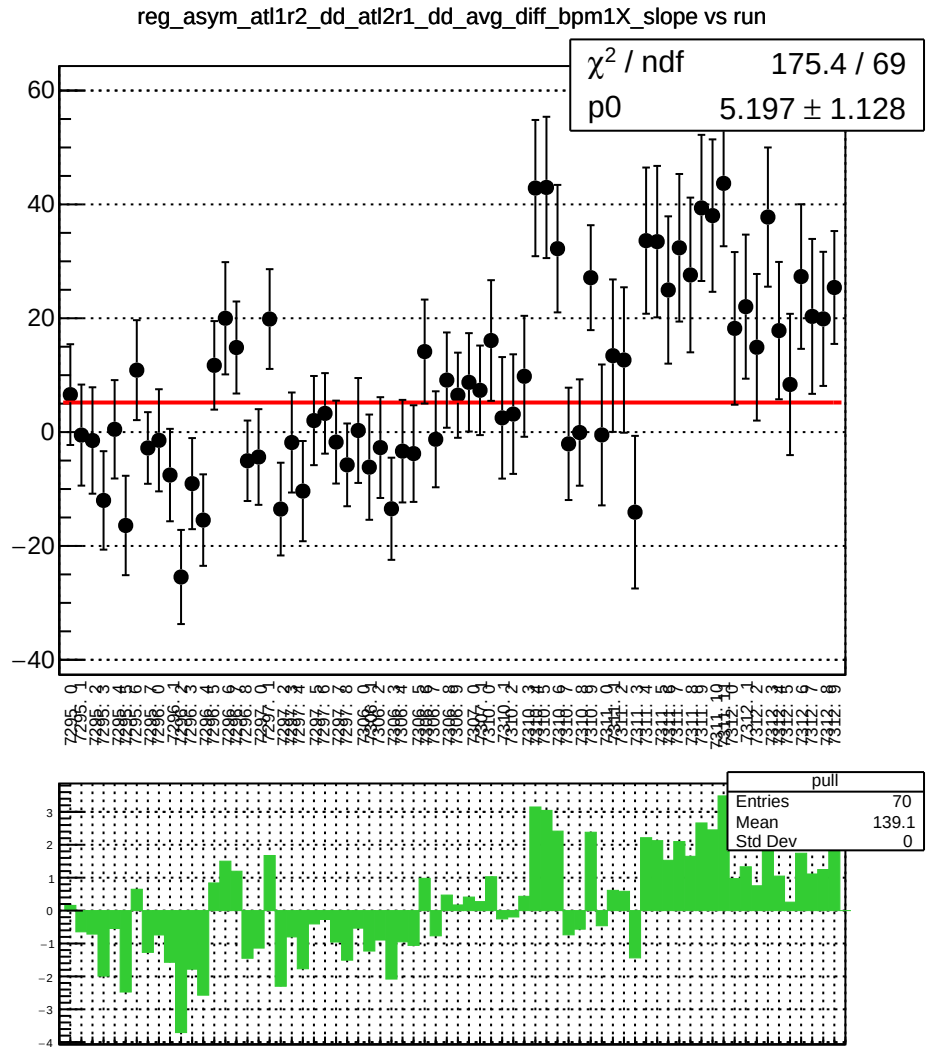

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.7 / 69
p0 −148.7 ± 4.309
pull
Entries 70
Mean 111.7
Std Dev 0

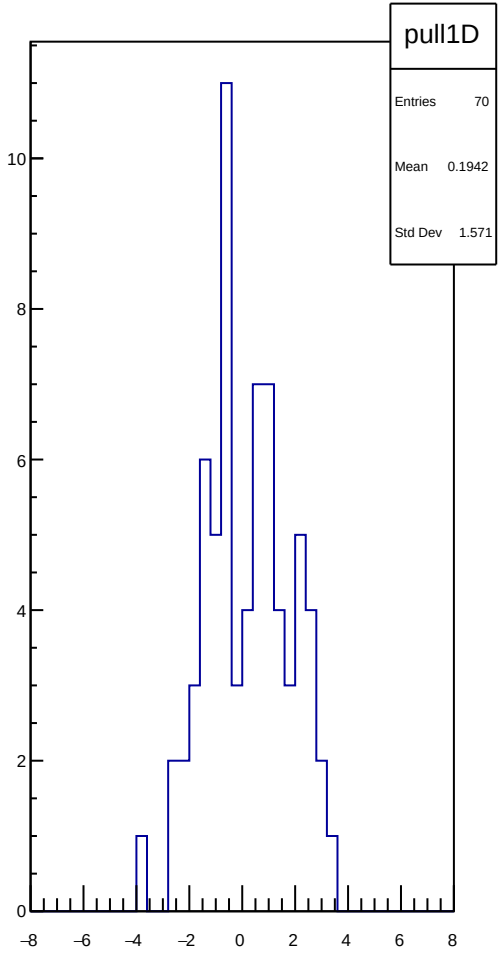

pull1D
Entries 70
Mean −0.2589
Std Dev 1.201

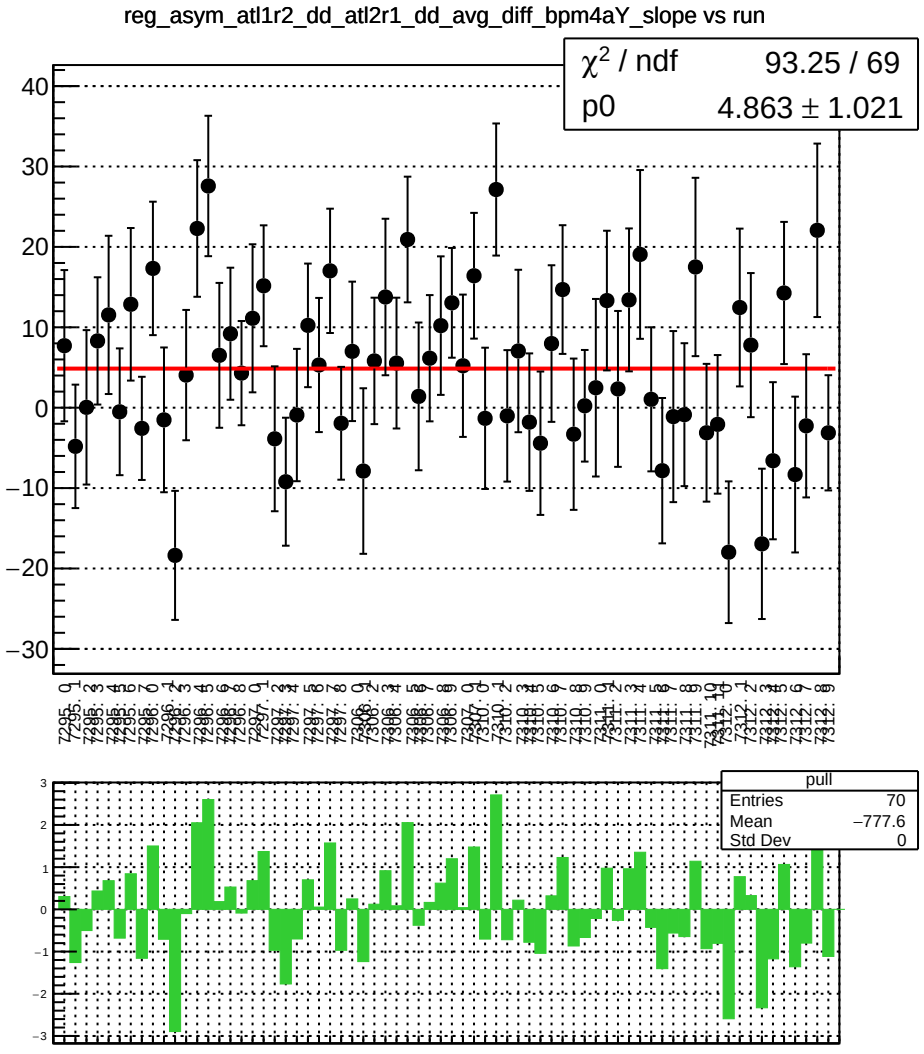

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.28 / 69
p0 −87.87 ± 4.247
pull
Entries 70
Mean 302.6
Std Dev 0
pull1D
Entries 70
Mean 0.04625
Std Dev 0.7758

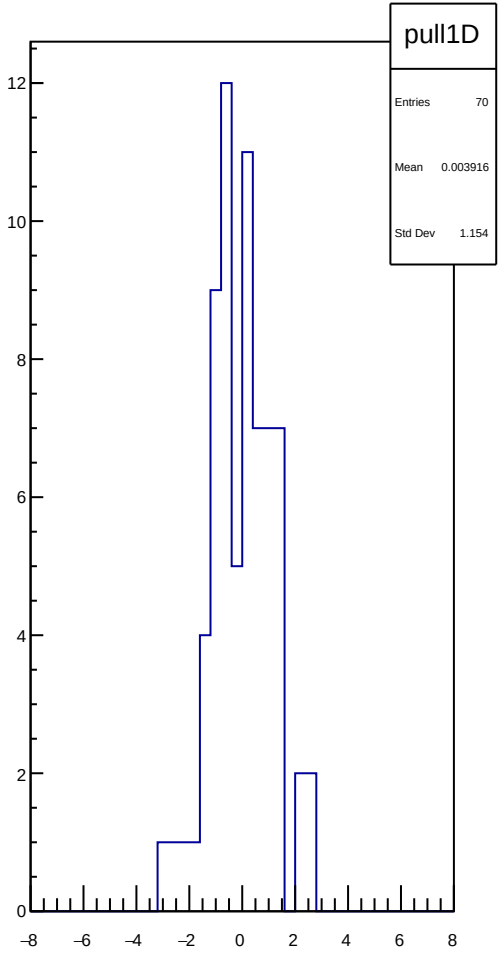

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 89.06 / 69
p0 110.9 ± 0.183
pull
Entries 70
Mean 311.6
Std Dev 0

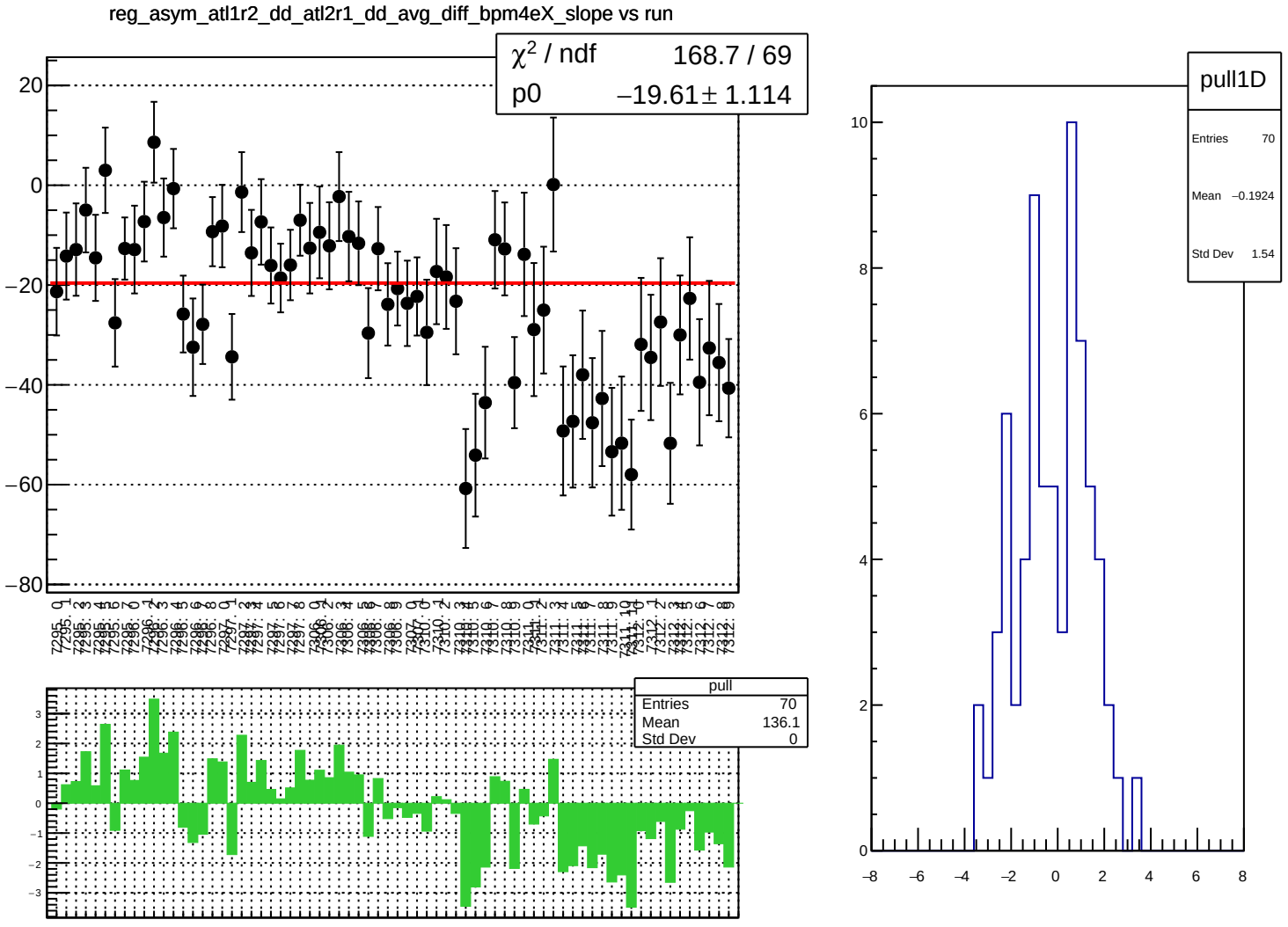

pull1D
Entries 70
Mean −0.05948
Std Dev 1.126

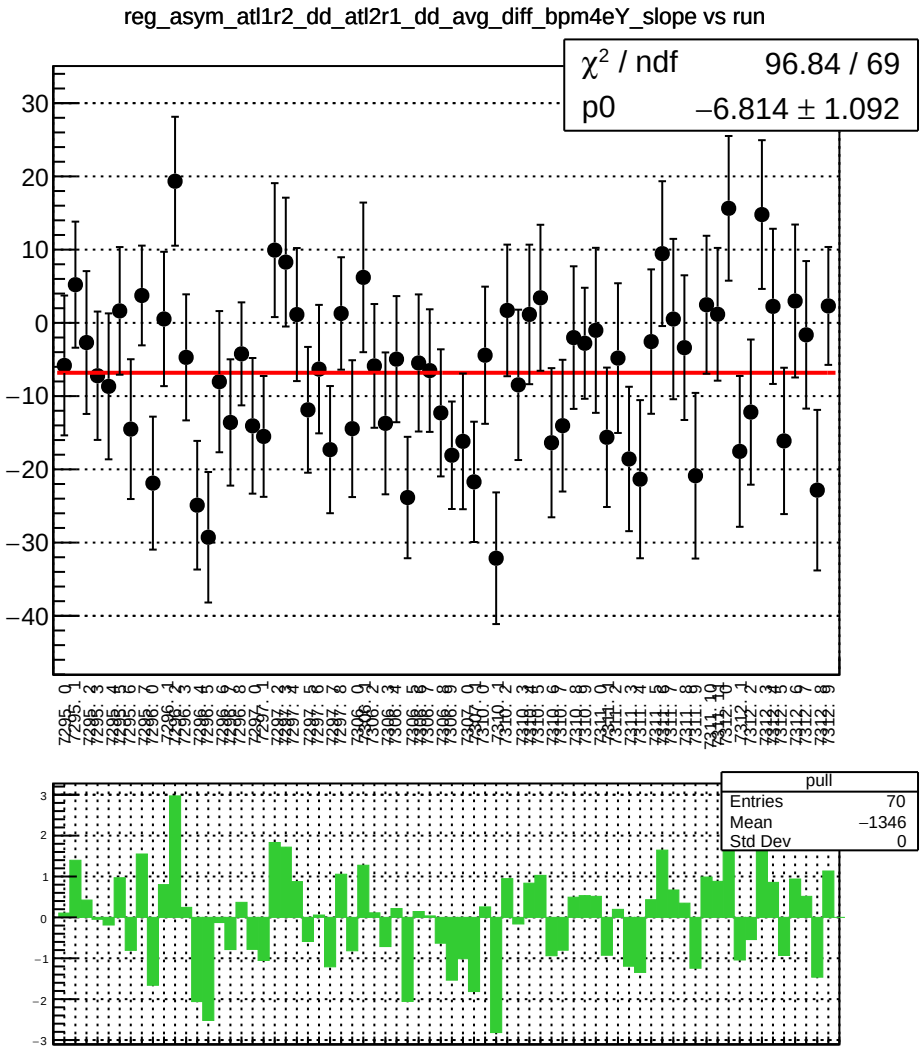

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 175.4 / 69
p0 5.197 ± 1.128
pull
Entries 70
Mean 139.1
Std Dev 0

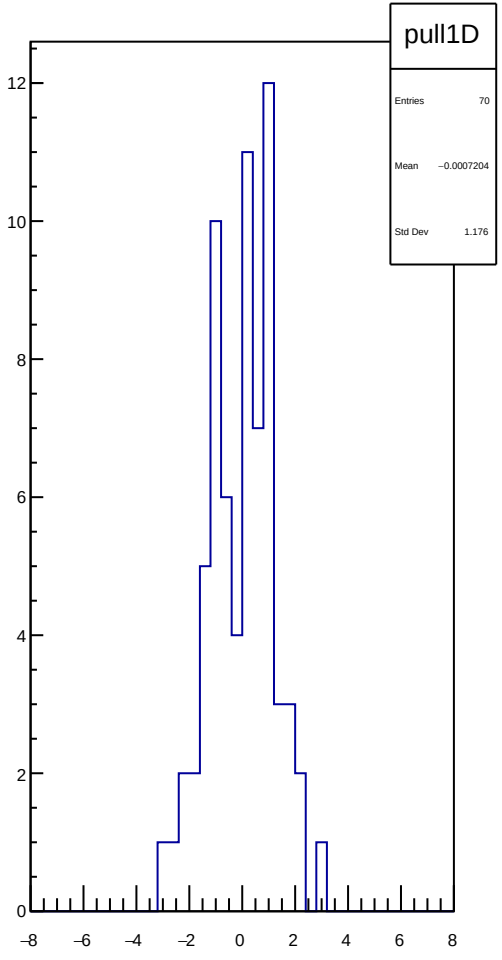

pull1D
Entries 70
Mean 0.1942
Std Dev 1.571

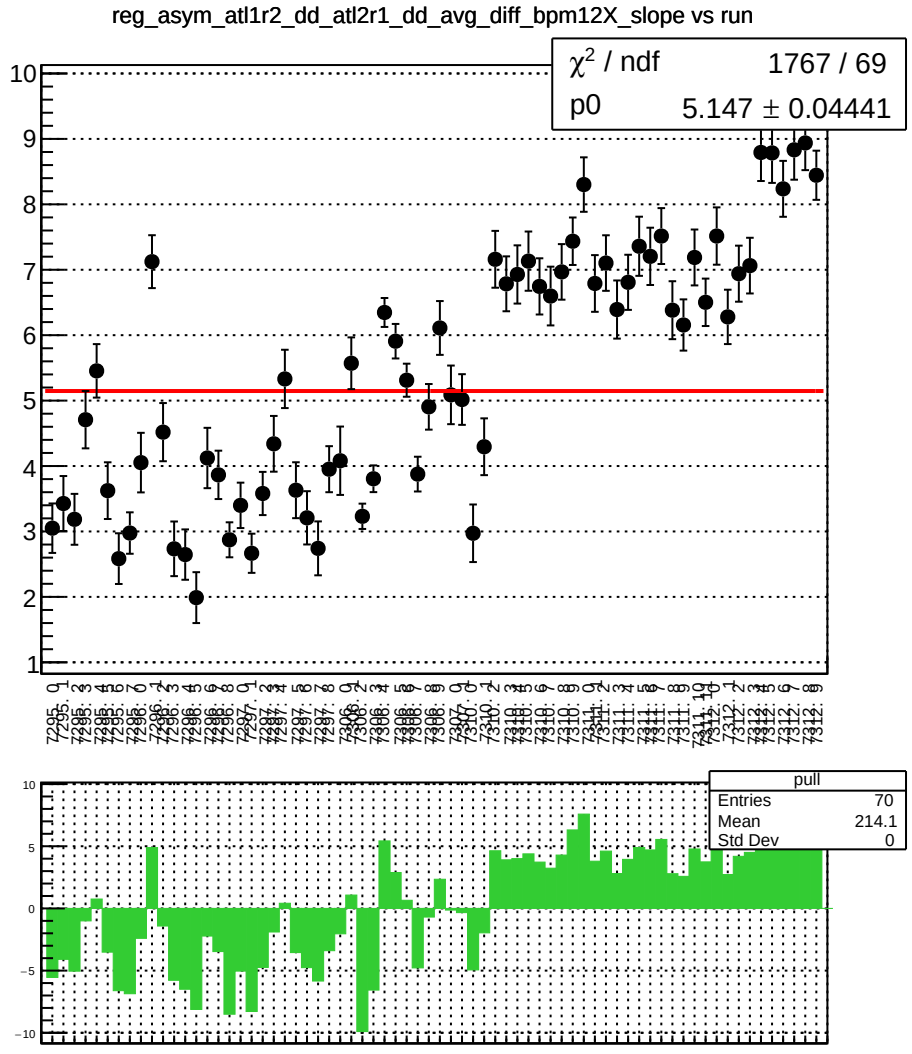

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 93.25 / 69
p0 4.863 ± 1.021
pull
Entries 70
Mean −777.6
Std Dev 0

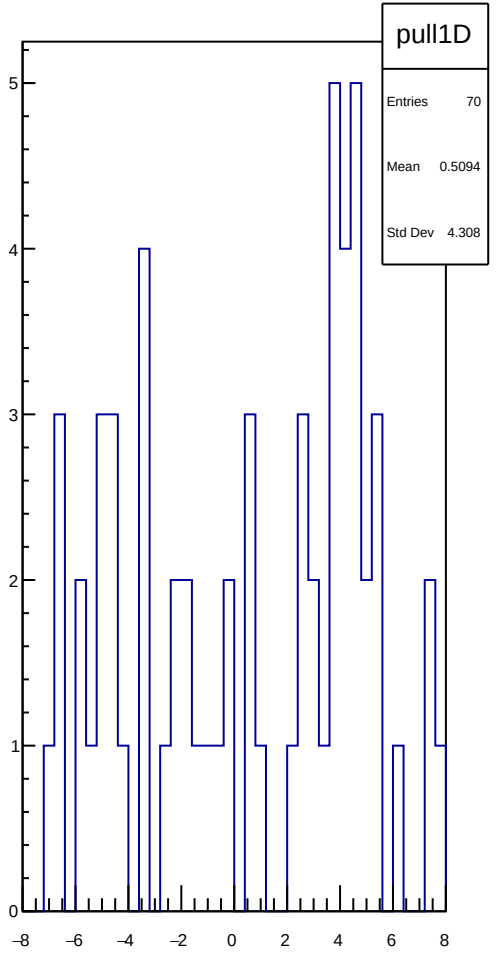

pull1D
Entries 70
Mean 0.003916
Std Dev 1.154

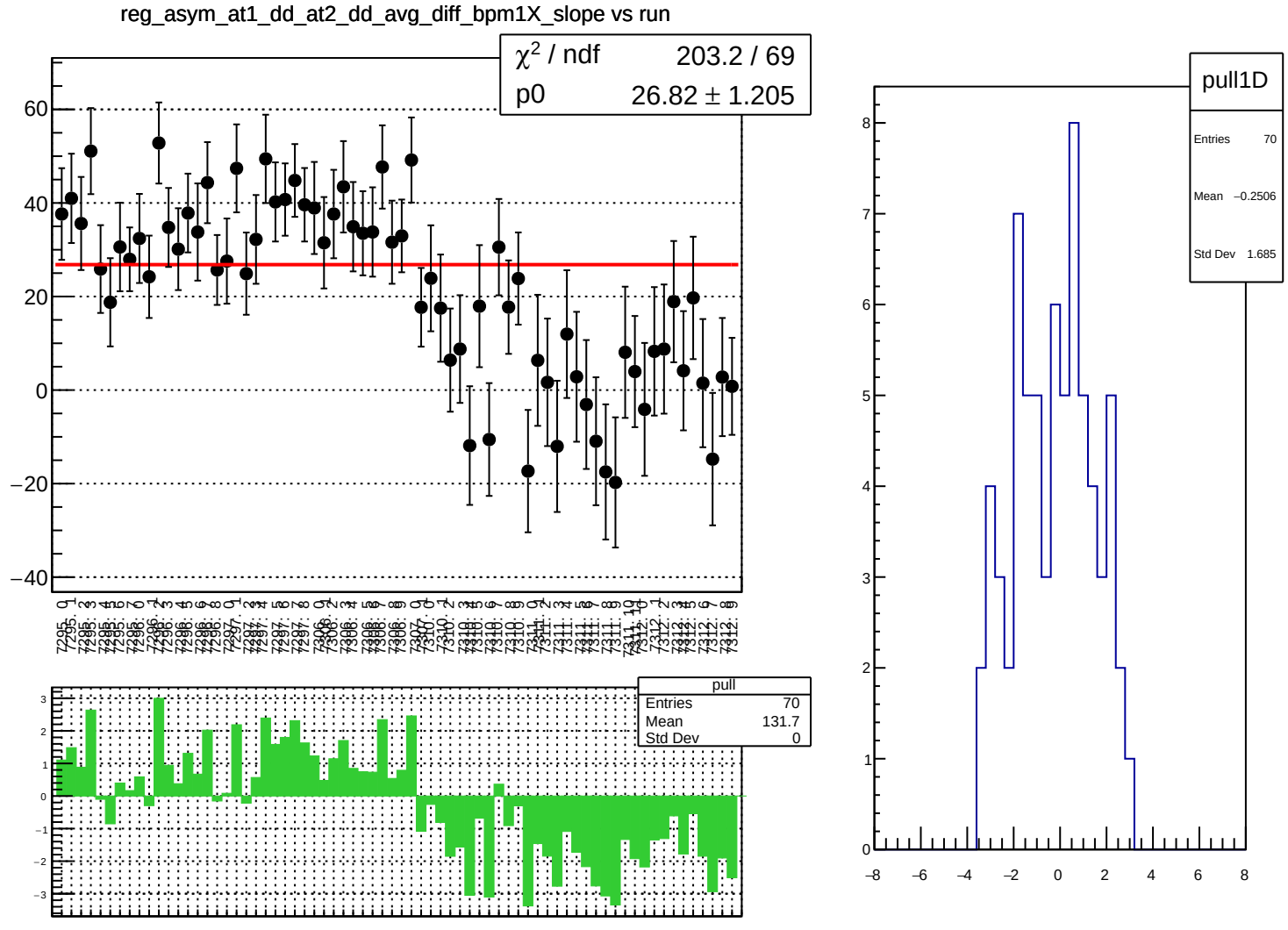

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 168.7 / 69
p0 −19.61 ± 1.114
pull
Entries 70
Mean 136.1
Std Dev 0
pull1D
Entries 70
Mean −0.1924
Std Dev 1.54

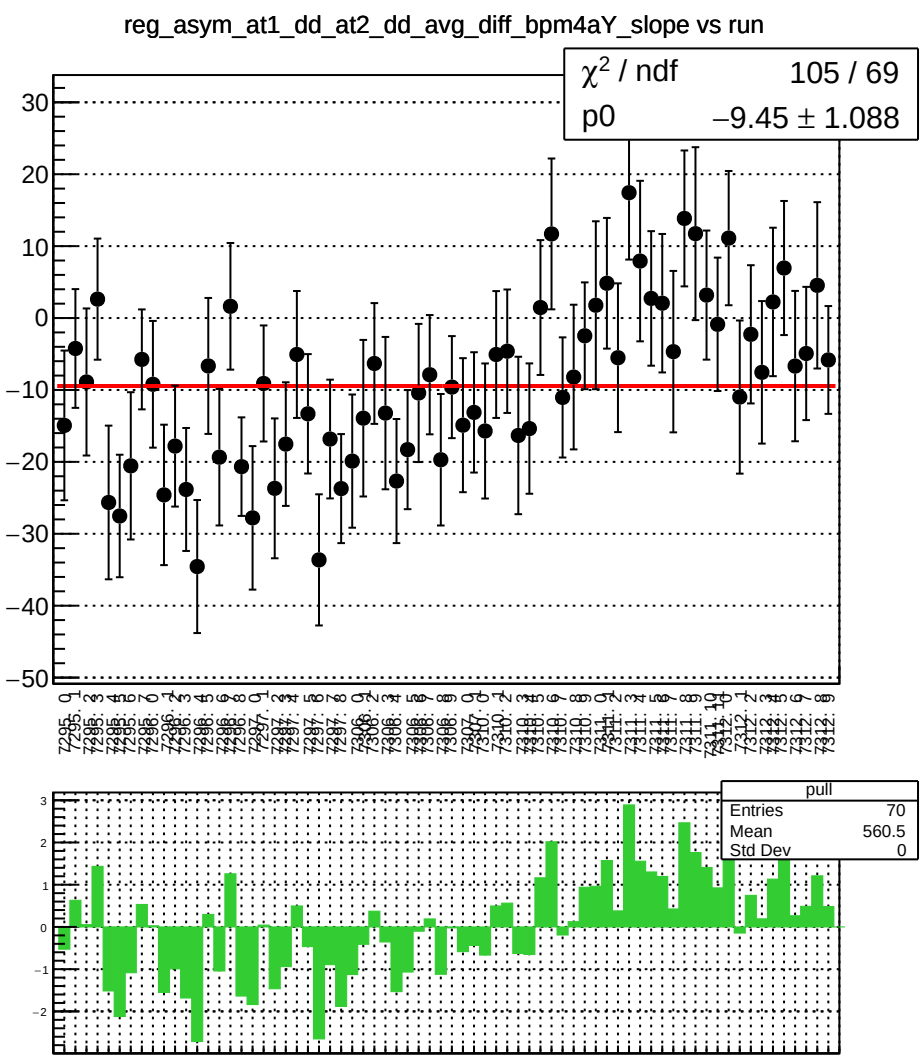

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 96.84 / 69
p0 −6.814 ± 1.092
pull
Entries 70
Mean −1346
Std Dev 0

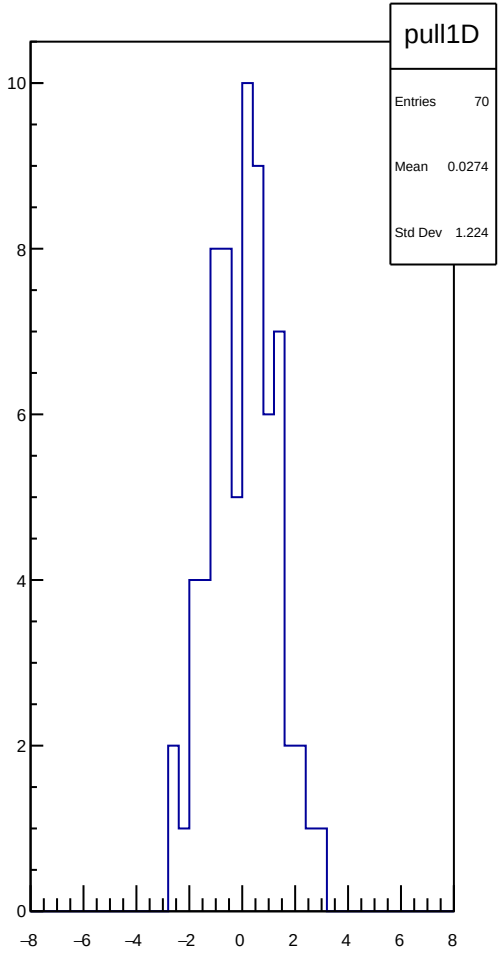

pull1D
Entries 70
Mean −0.0007204
Std Dev 1.176

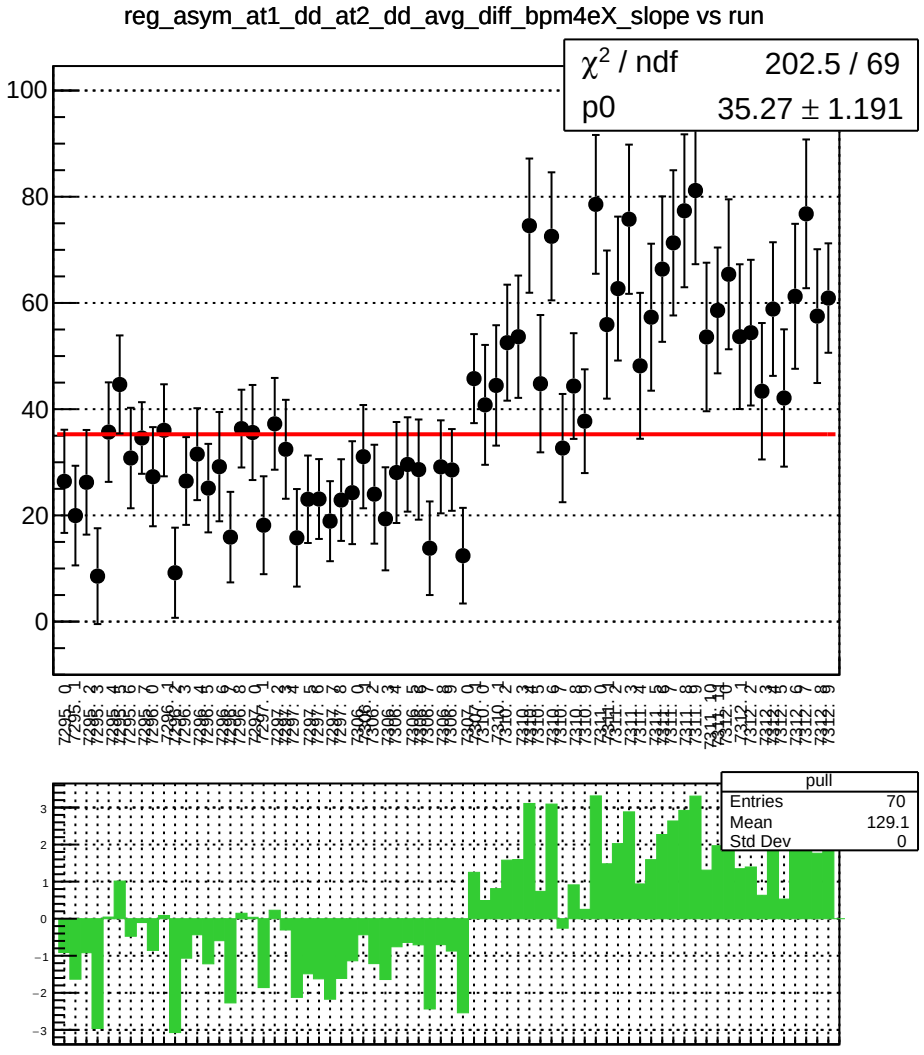

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1767 / 69
p0 5.147 ± 0.04441
pull
Entries 70
Mean 214.1
Std Dev 0

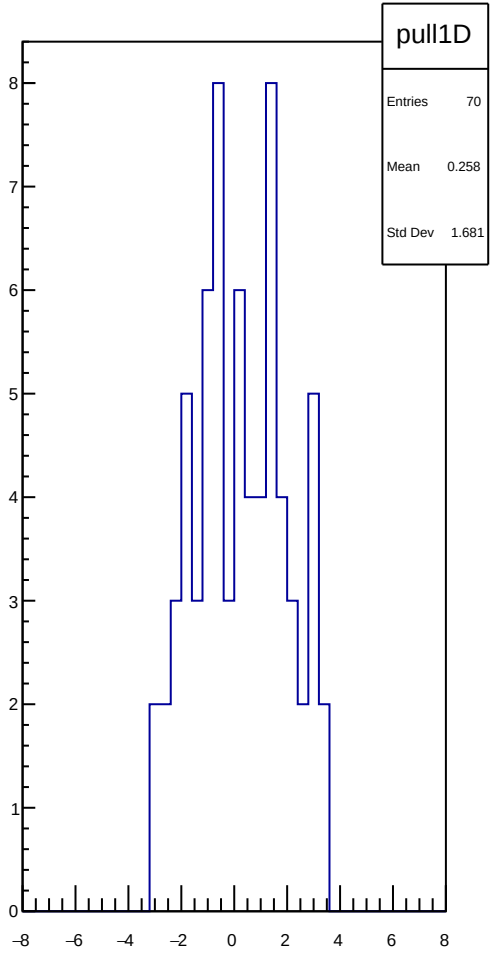

pull1D
Entries 70
Mean 0.5094
Std Dev 4.308

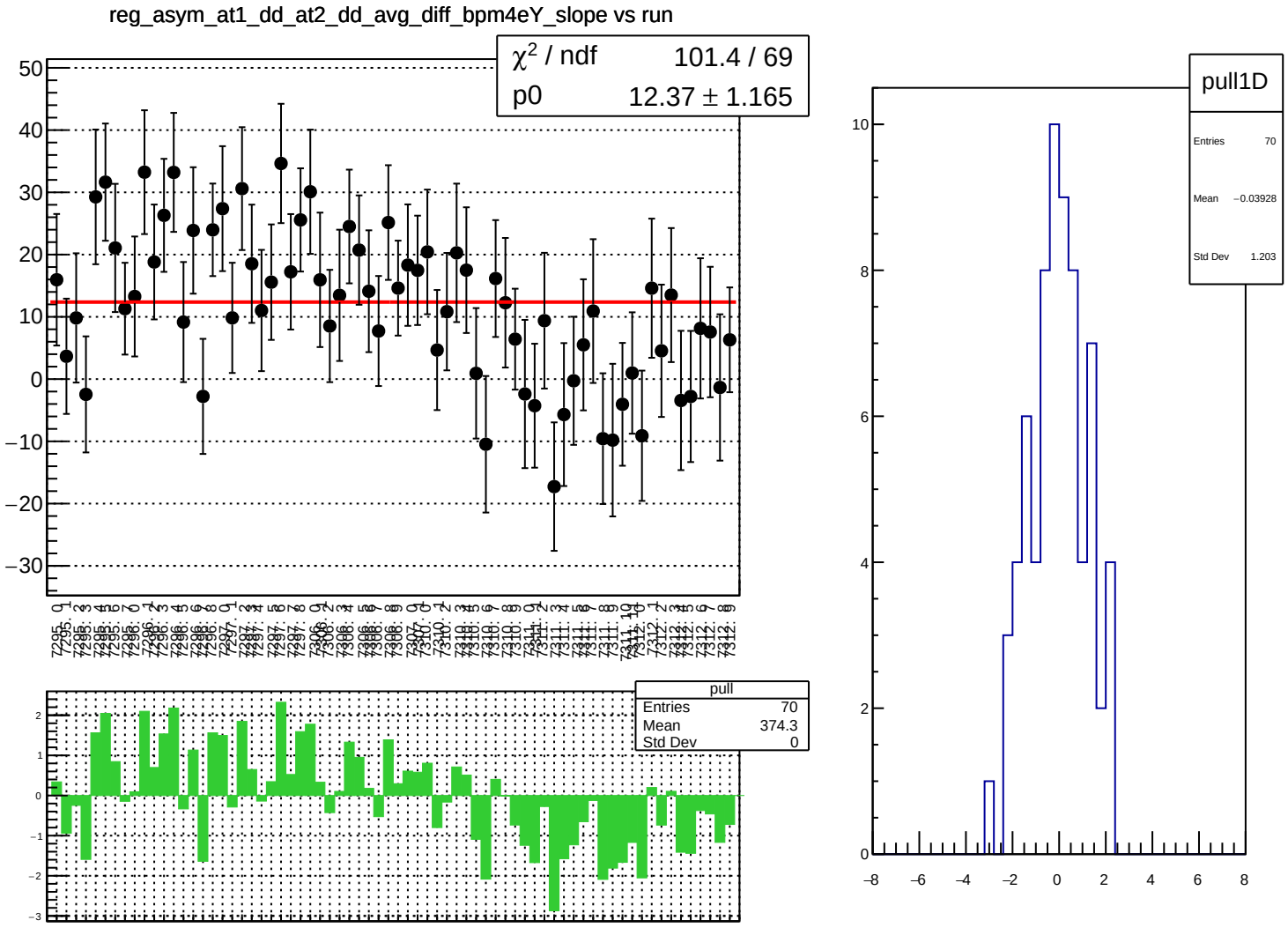

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 203.2 / 69
p0 26.82 ± 1.205
pull
Entries 70
Mean 131.7
Std Dev 0
pull1D
Entries 70
Mean −0.2506
Std Dev 1.685

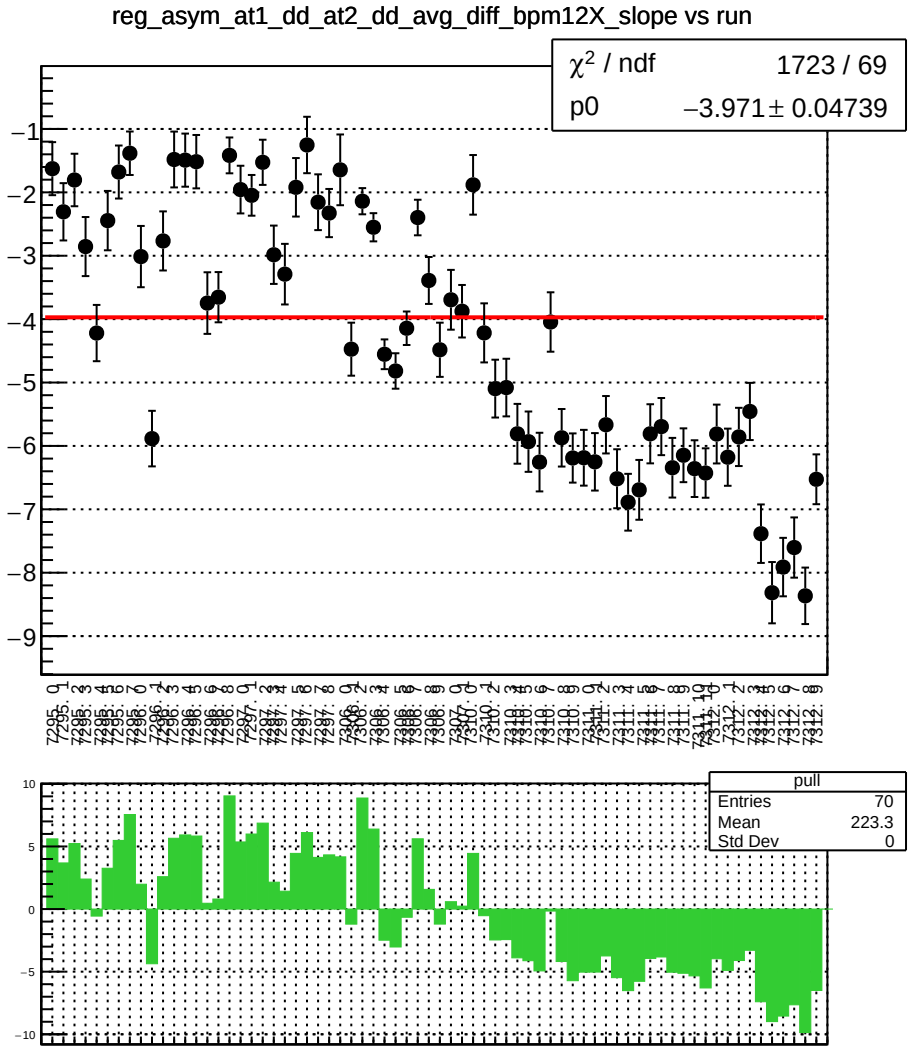

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 105 / 69
p0 −9.45 ± 1.088
pull
Entries 70
Mean 560.5
Std Dev 0

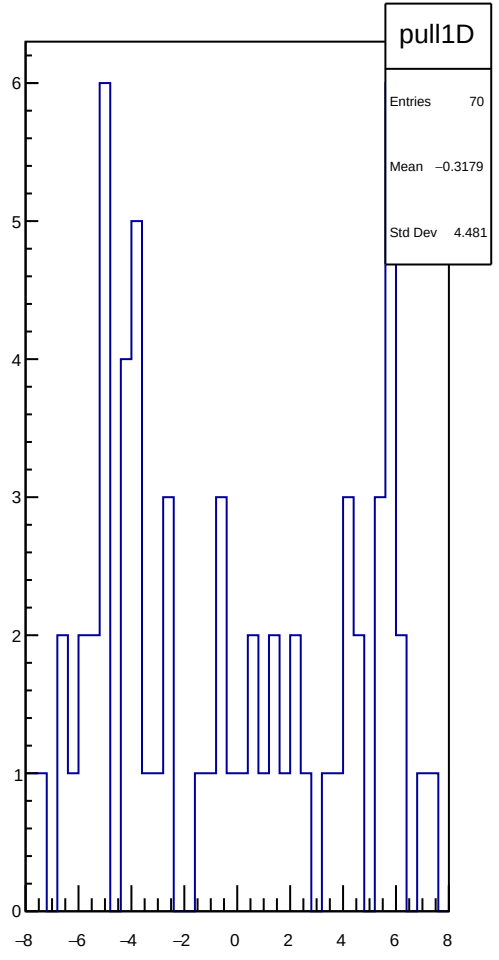

pull1D
Entries 70
Mean 0.0274
Std Dev 1.224

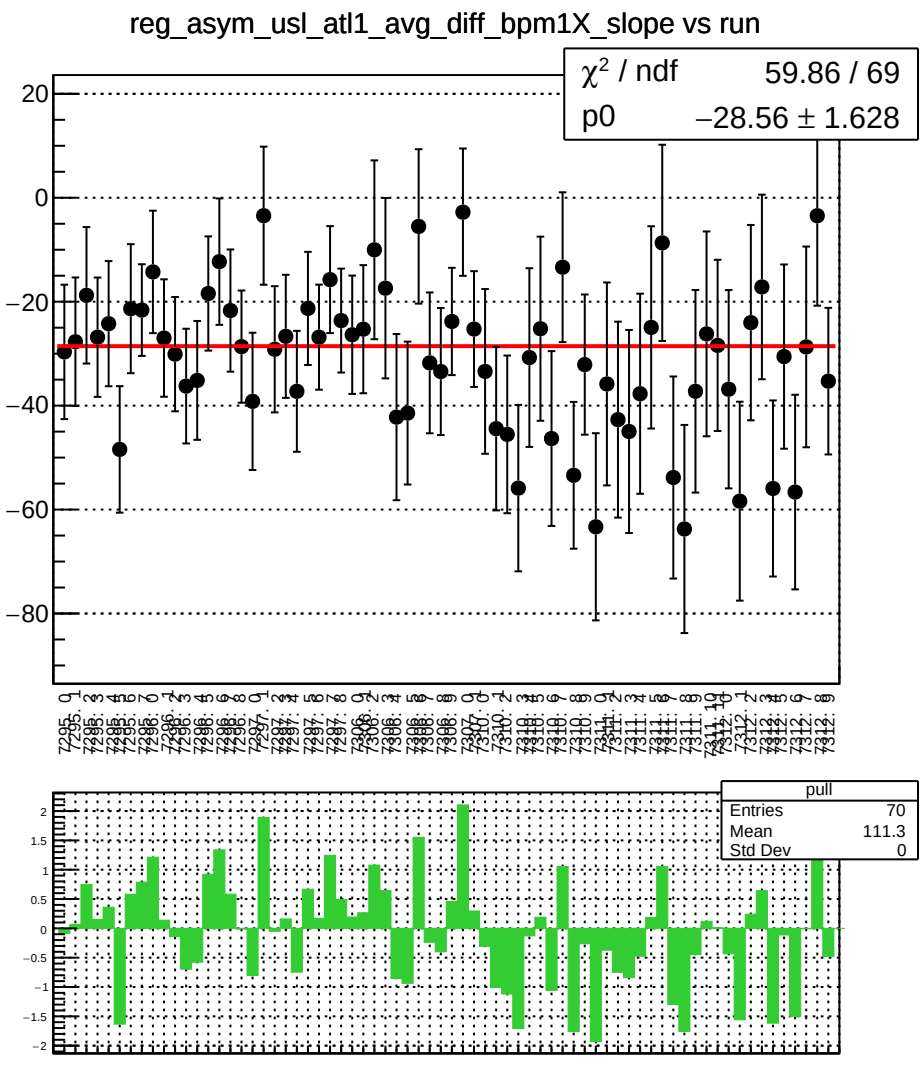

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 202.5 / 69
p0 35.27 ± 1.191
pull
Entries 70
Mean 129.1
Std Dev 0

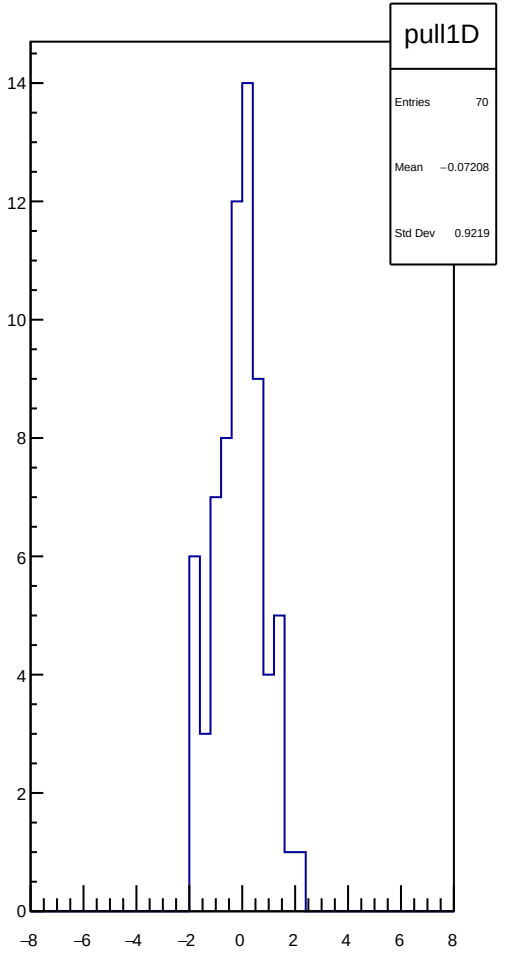

pull1D
Entries 70
Mean 0.258
Std Dev 1.681

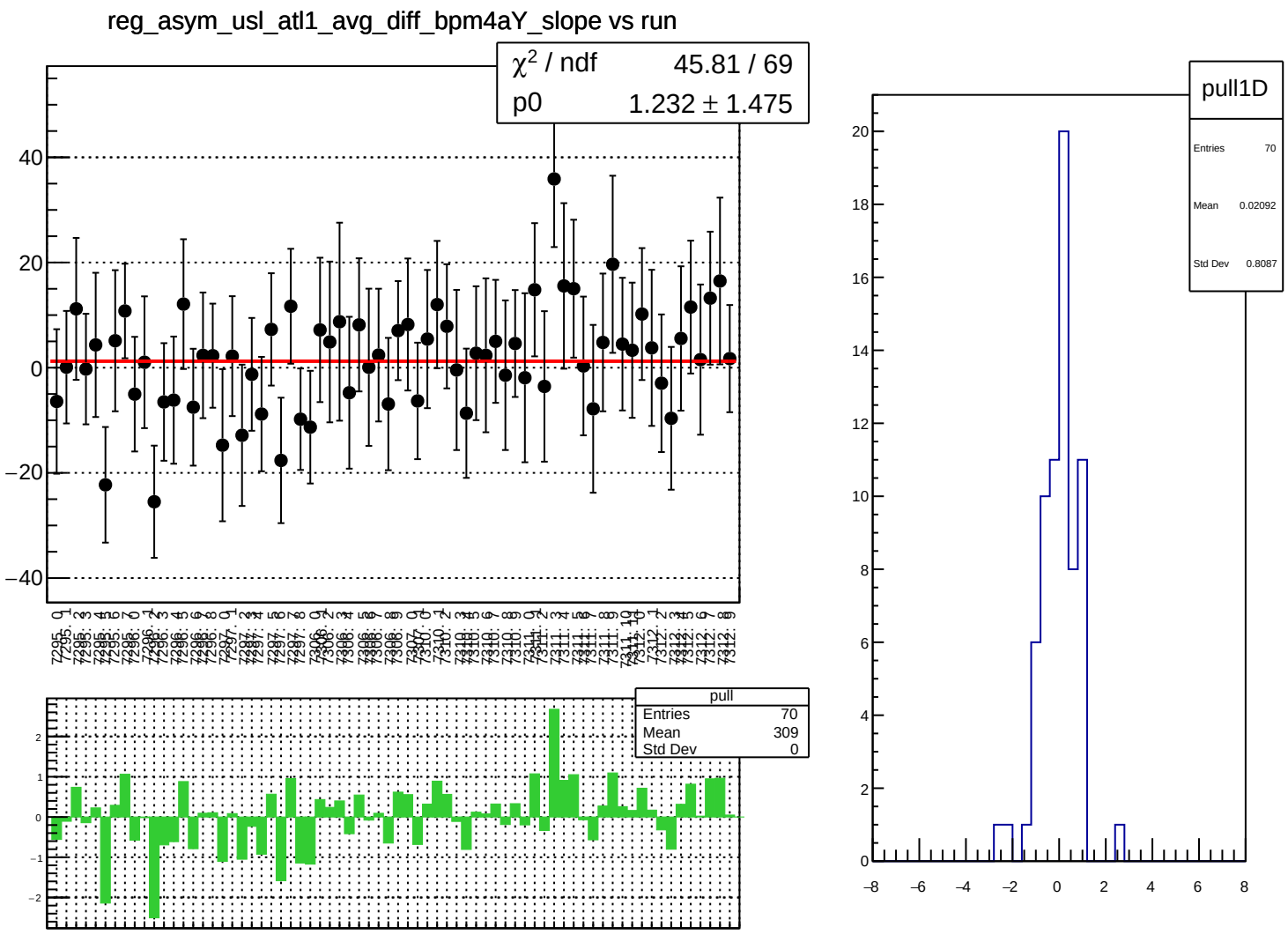

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 101.4 / 69
p0 12.37 ± 1.165
pull
Entries 70
Mean 374.3
Std Dev 0
pull1D
Entries 70
Mean −0.03928
Std Dev 1.203

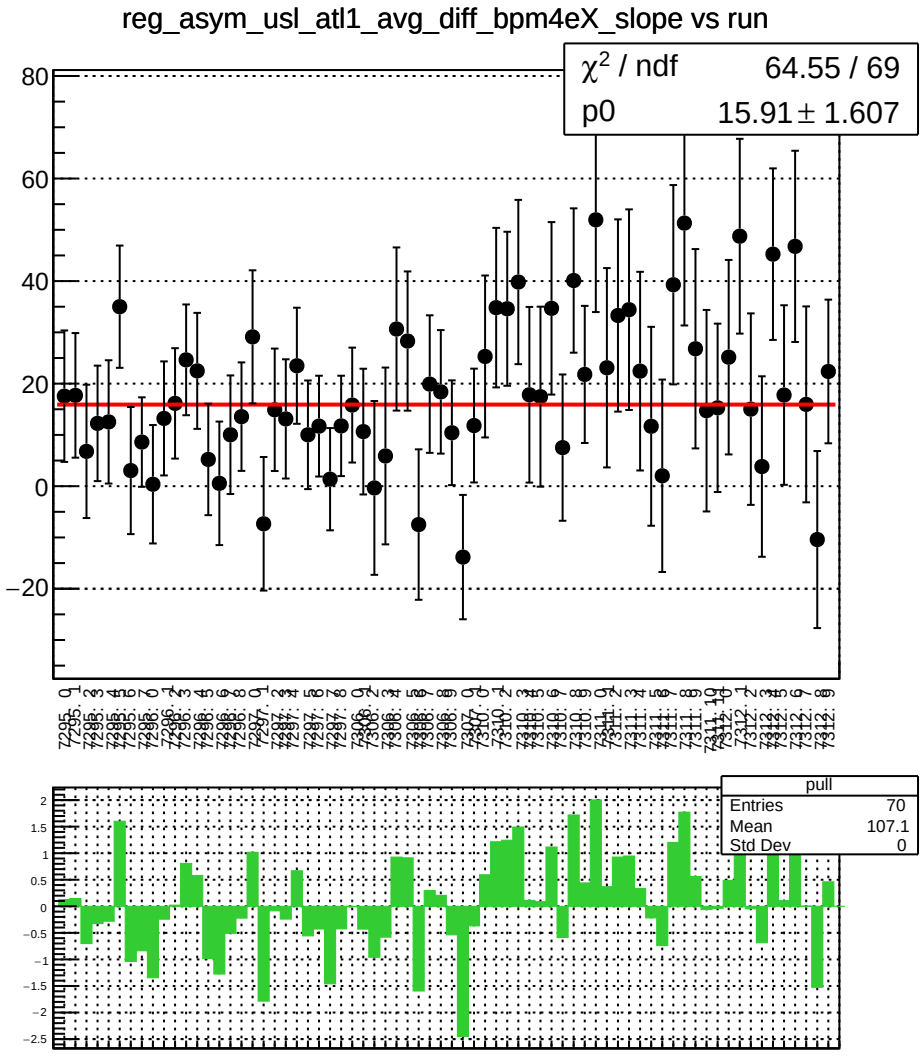

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1723 / 69
p0 −3.971 ± 0.04739
pull
Entries 70
Mean 223.3
Std Dev 0

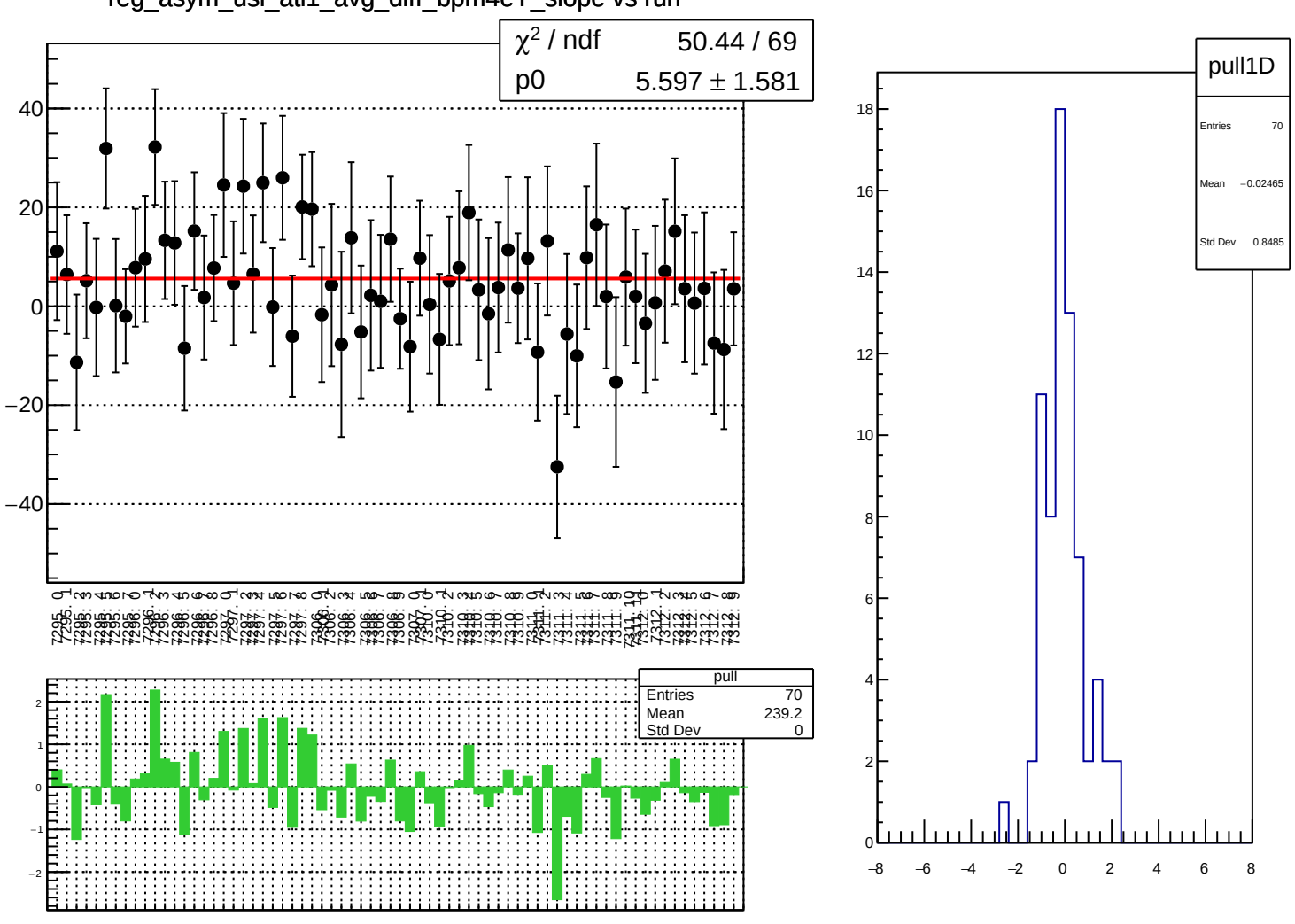

pull1D
Entries 70
Mean −0.3179
Std Dev 4.481

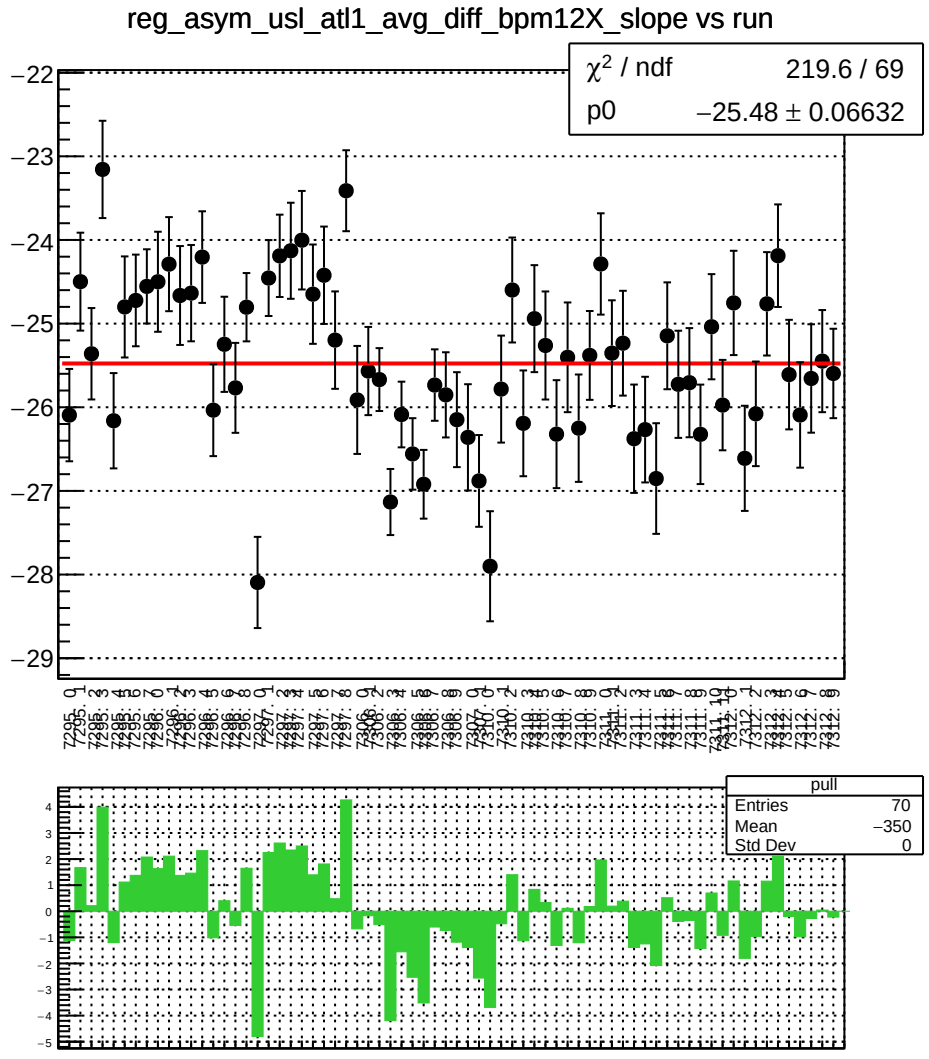

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 59.86 / 69
p0 −28.56 ± 1.628
pull
Entries 70
Mean 111.3
Std Dev 0

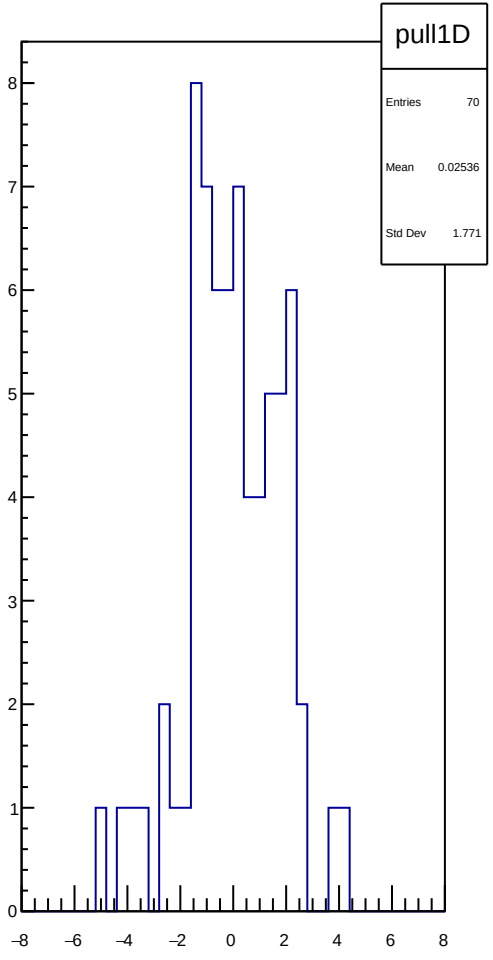

pull1D
Entries 70
Mean −0.07208
Std Dev 0.9219

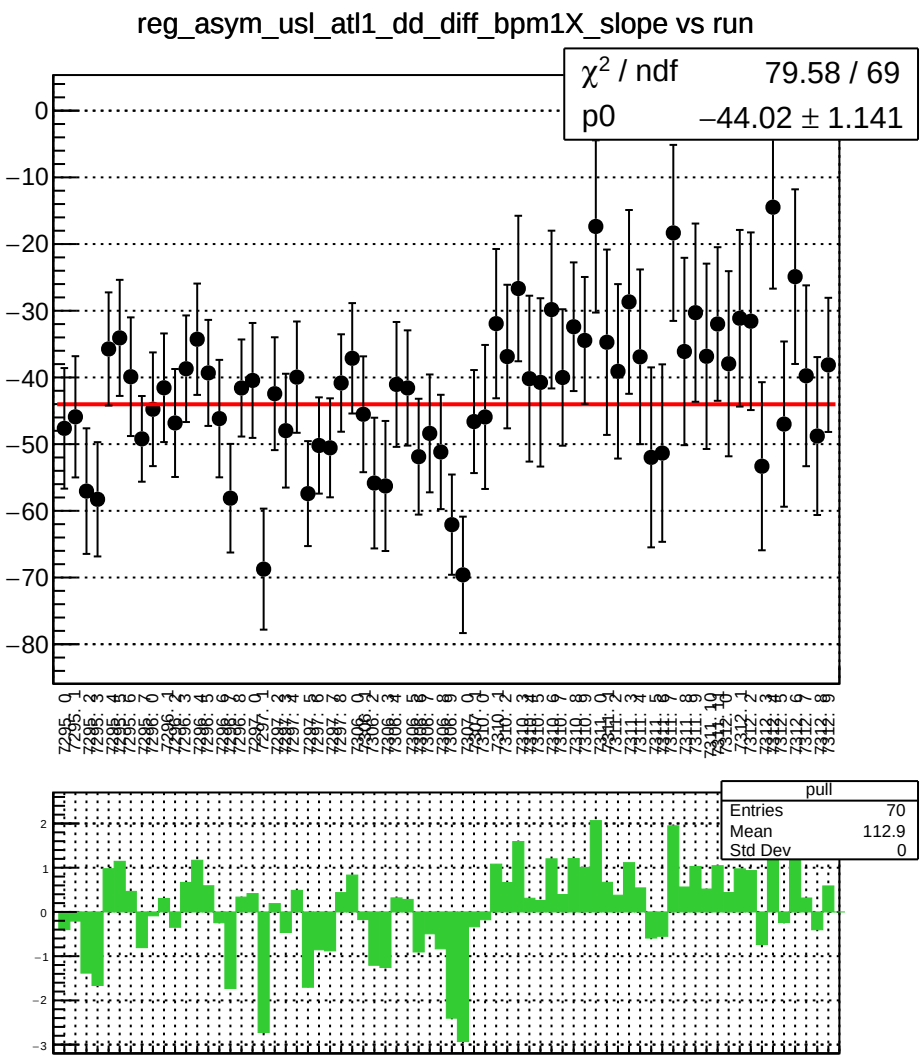

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.81 / 69
p0 1.232 ± 1.475
pull
Entries 70
Mean 309
Std Dev 0
pull1D
Entries 70
Mean 0.02092
Std Dev 0.8087

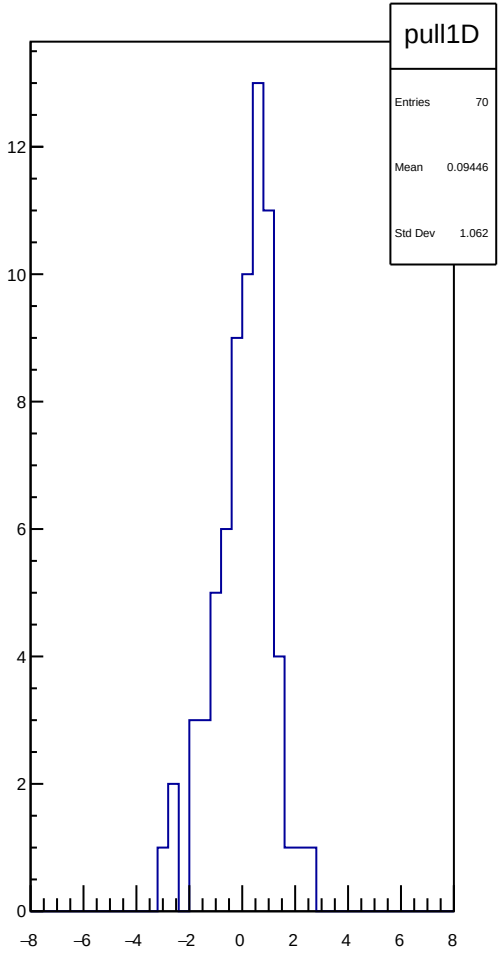

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.55 / 69
p0 15.91 ± 1.607
pull
Entries 70
Mean 107.1
Std Dev 0
pull1D
Entries 70
Mean 0.08684
Std Dev 0.9564

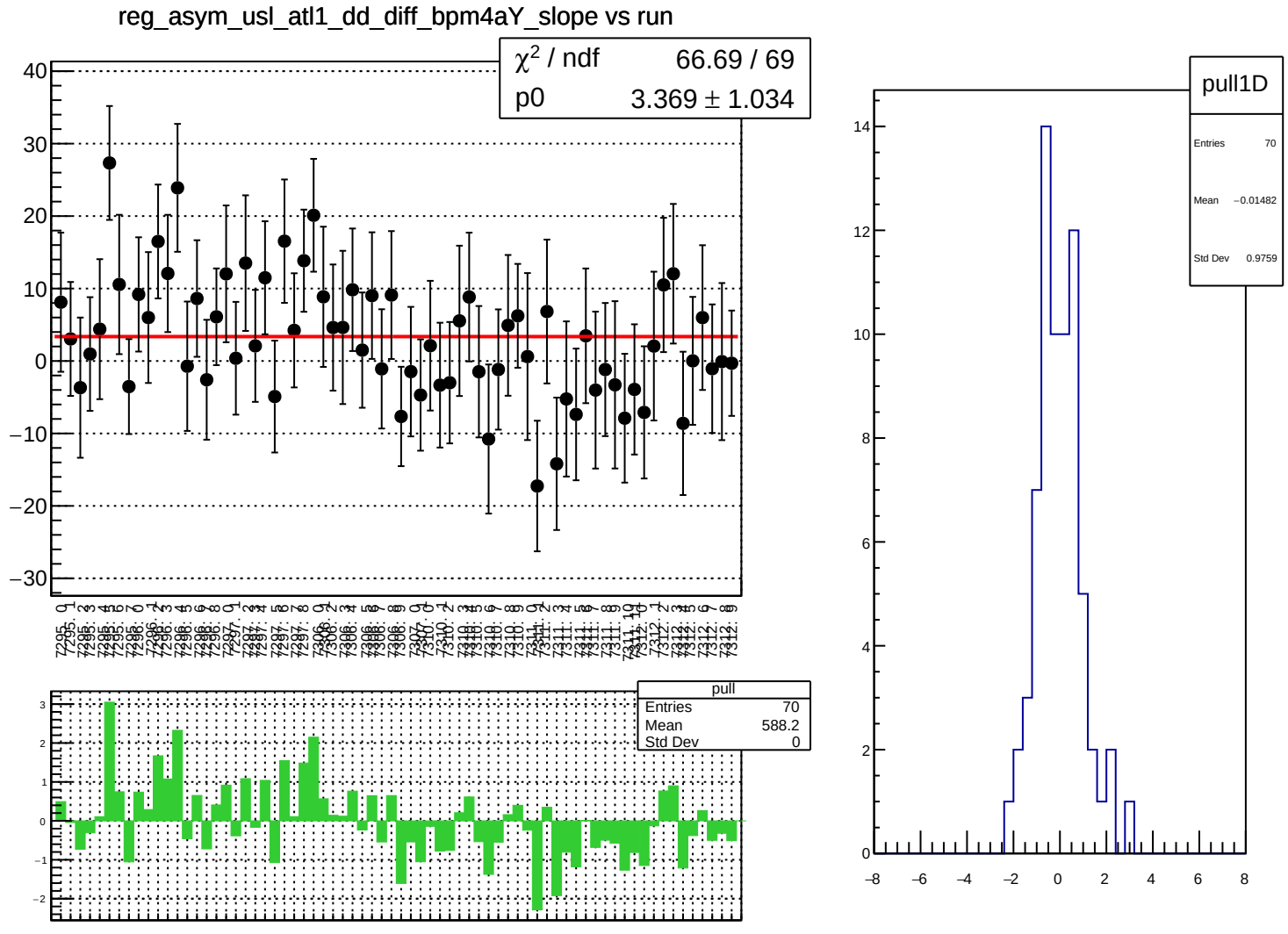

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.44 / 69
p0 5.597 ± 1.581
pull
Entries 70
Mean 239.2
Std Dev 0
pull1D
Entries 70
Mean −0.02465
Std Dev 0.8485

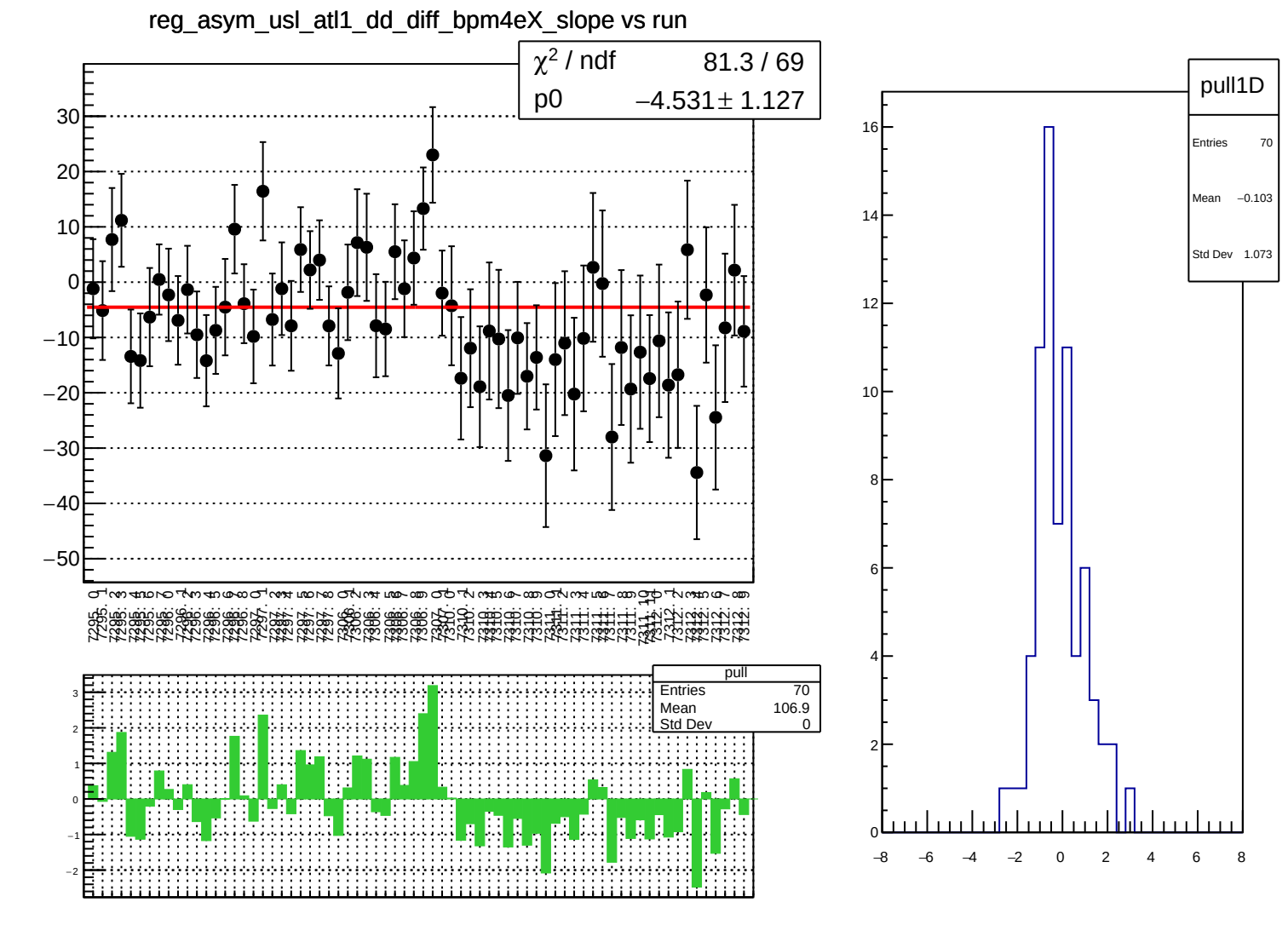

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 219.6 / 69
p0 −25.48 ± 0.06632
pull
Entries 70
Mean −350
Std Dev 0

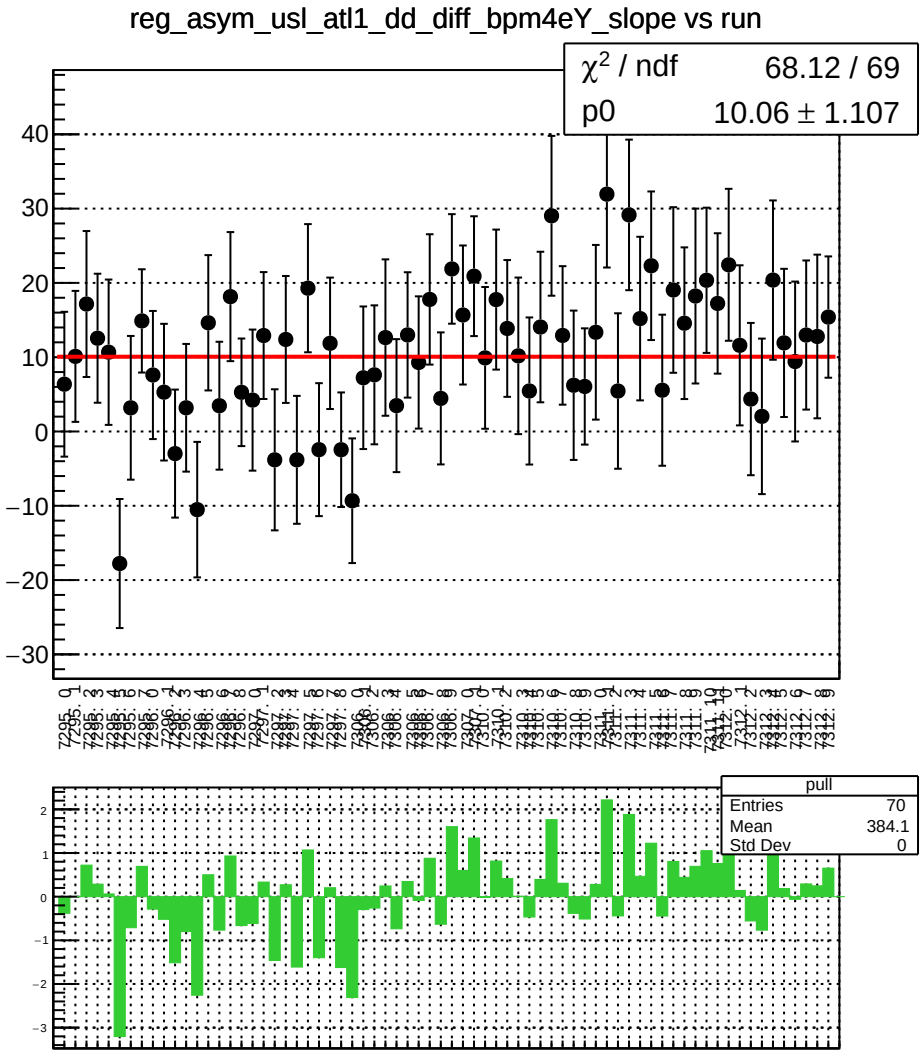

pull1D
Entries 70
Mean 0.02536
Std Dev 1.771

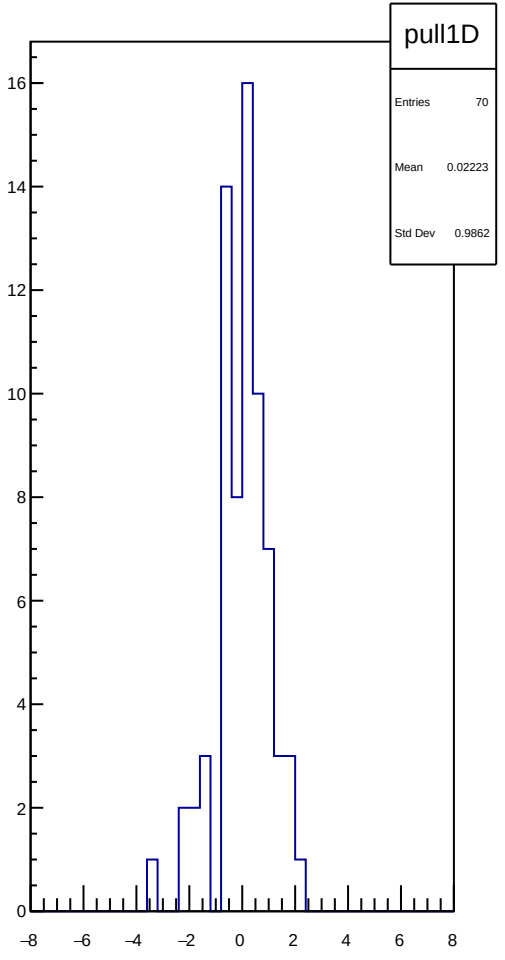

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 79.58 / 69
p0 −44.02 ± 1.141
pull
Entries 70
Mean 112.9
Std Dev 0

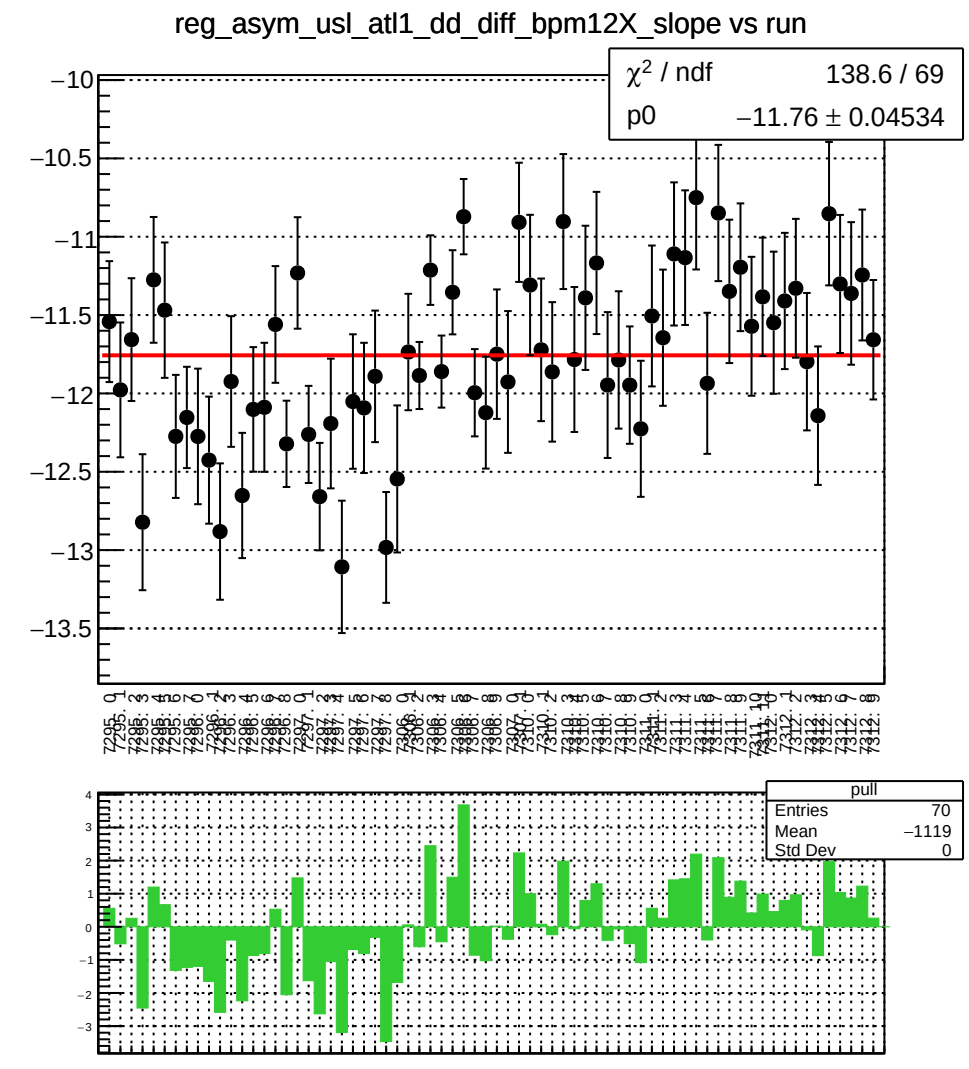

pull1D
Entries 70
Mean 0.09446
Std Dev 1.062

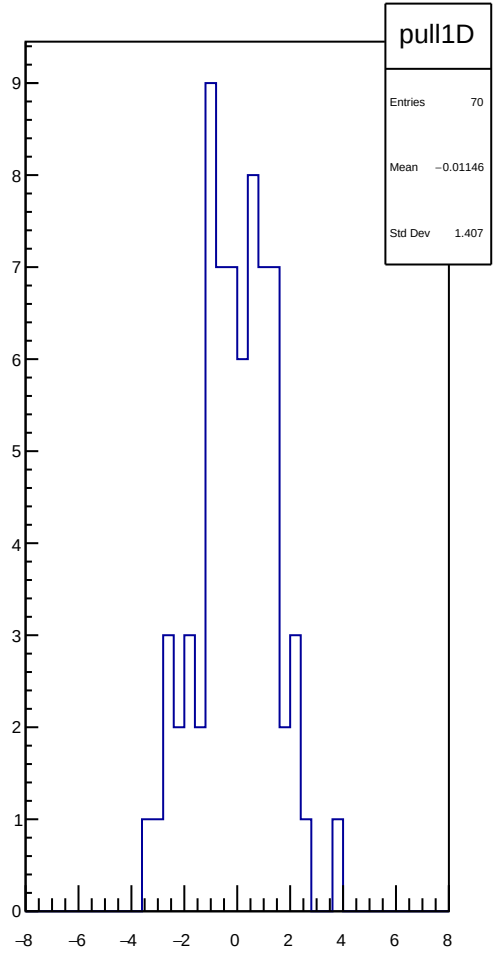

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.69 / 69
p0 3.369 ± 1.034
pull
Entries 70
Mean 588.2
Std Dev 0
pull1D
Entries 70
Mean −0.01482
Std Dev 0.9759

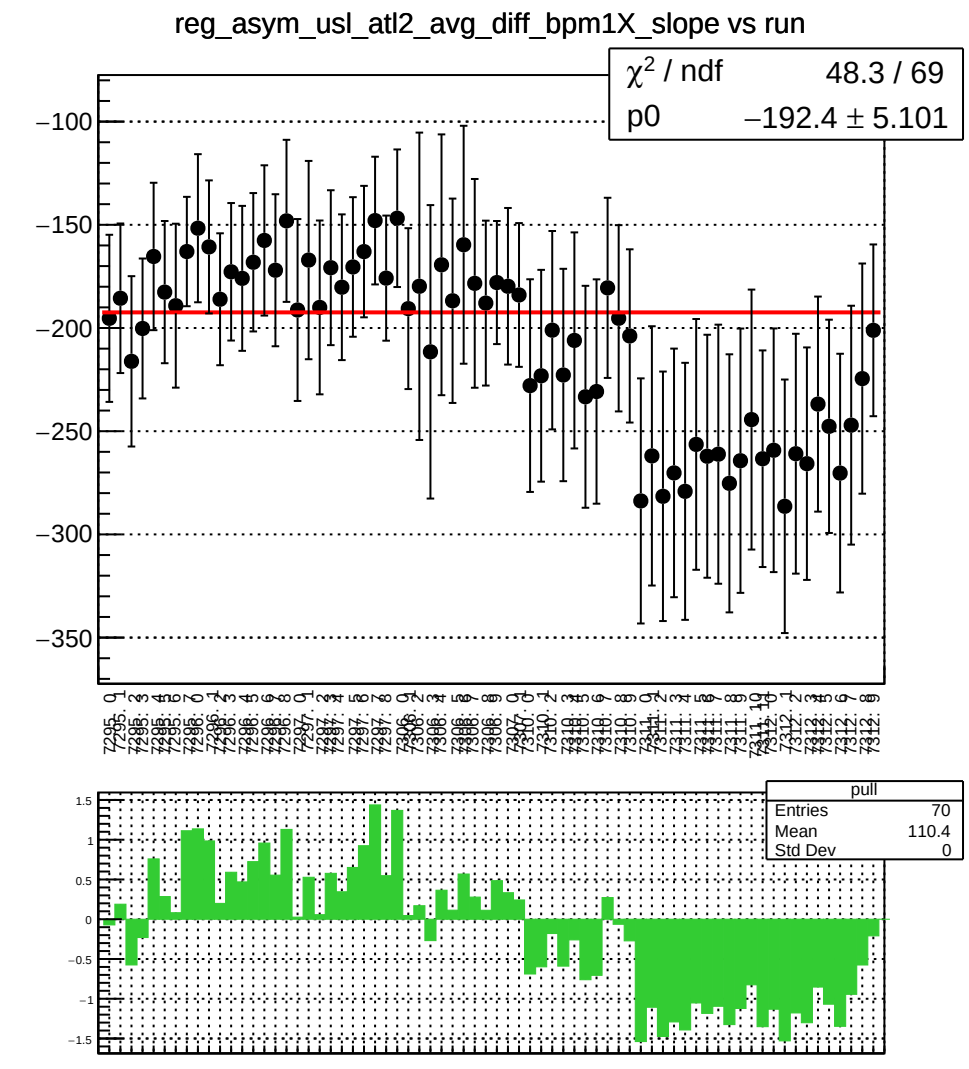

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.3 / 69
p0 −4.531 ± 1.127
pull
Entries 70
Mean 106.9
Std Dev 0
pull1D
Entries 70
Mean −0.103
Std Dev 1.073

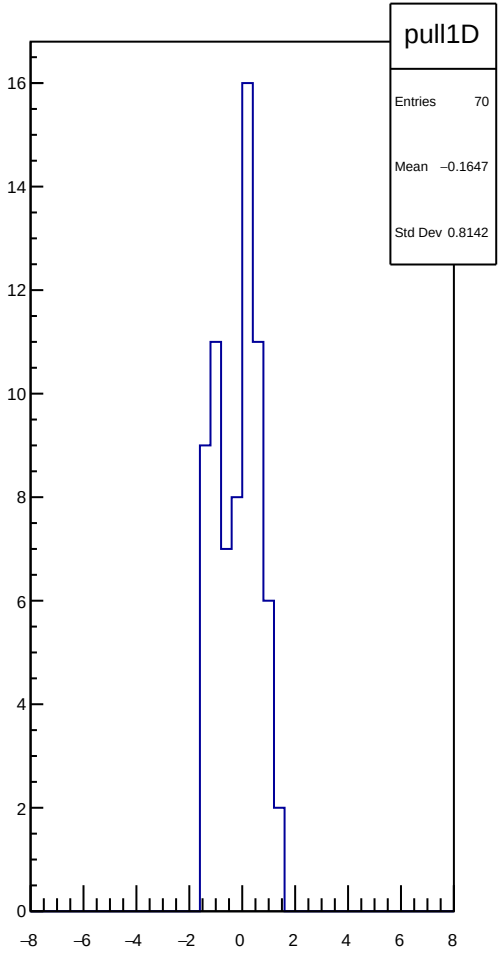

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.12 / 69
p0 10.06 ± 1.107
pull
Entries 70
Mean 384.1
Std Dev 0

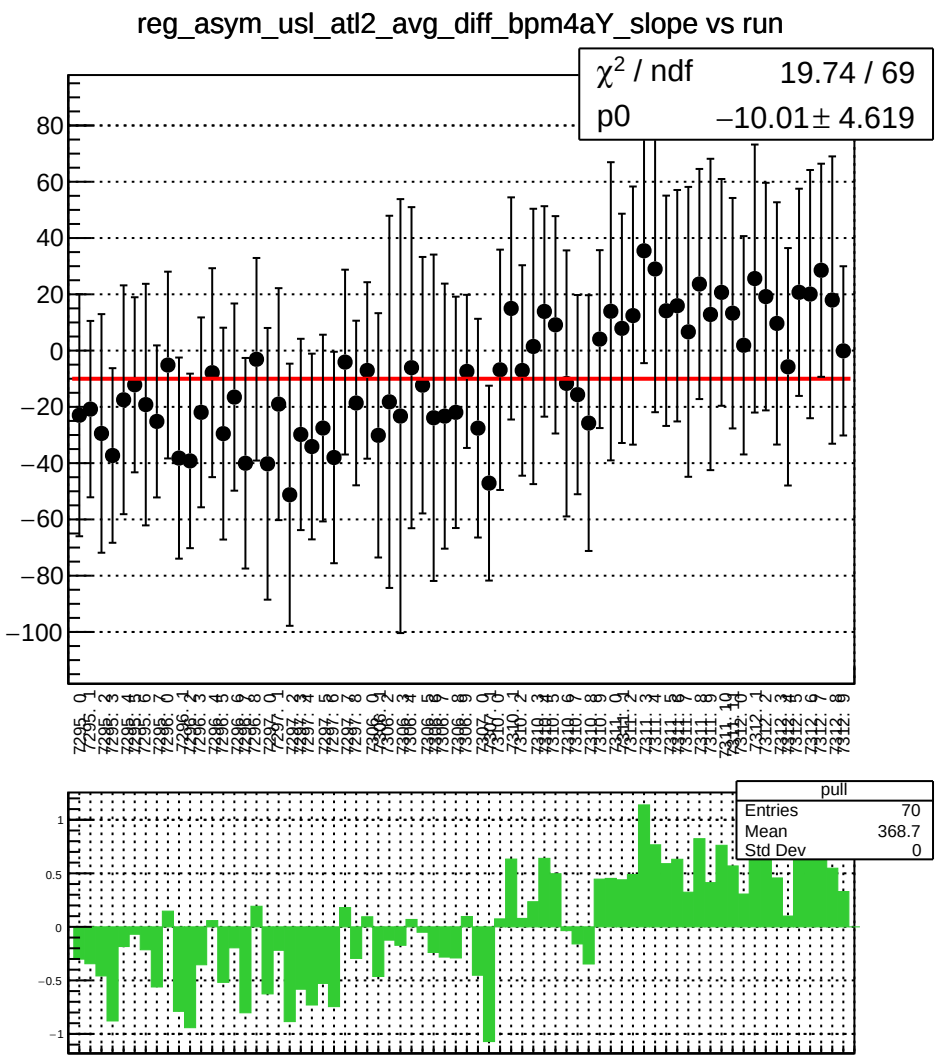

pull1D
Entries 70
Mean 0.02223
Std Dev 0.9862

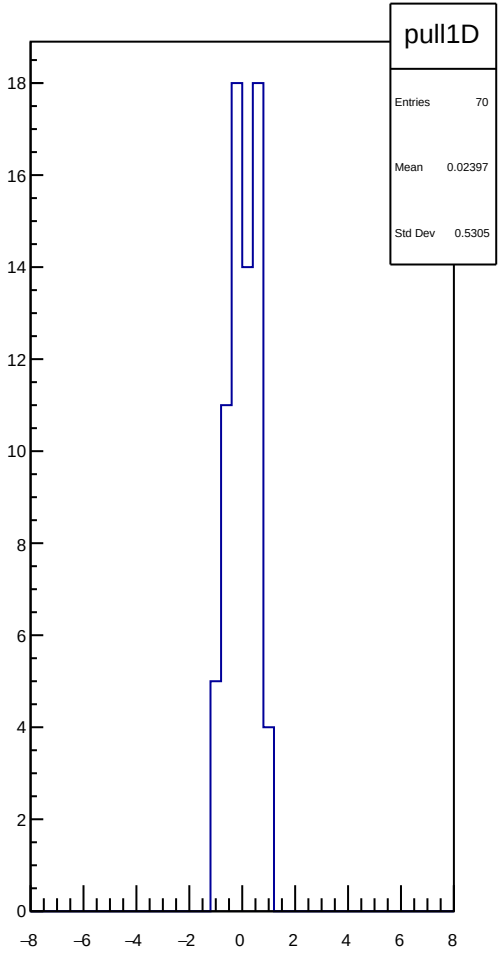

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 138.6 / 69
p0 −11.76 ± 0.04534
pull
Entries 70
Mean −1119
Std Dev 0

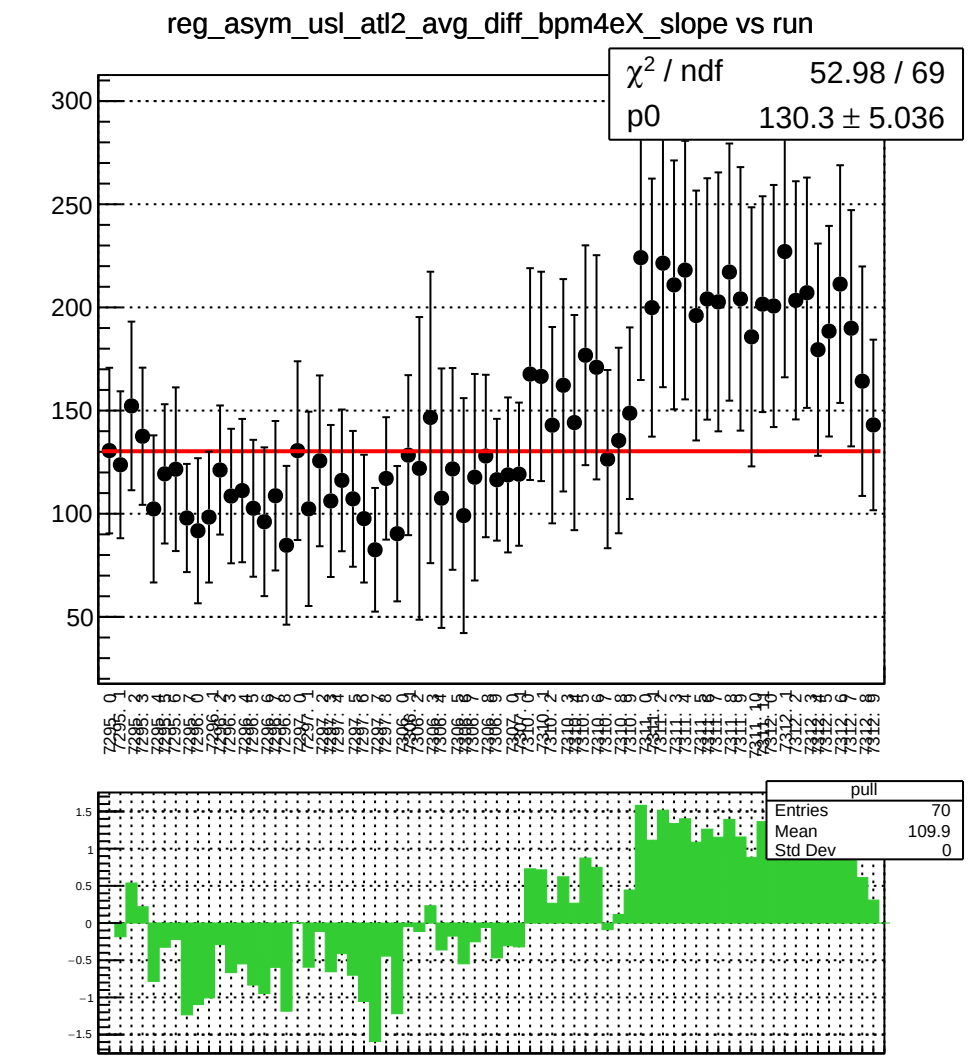

pull1D
Entries 70
Mean −0.01146
Std Dev 1.407

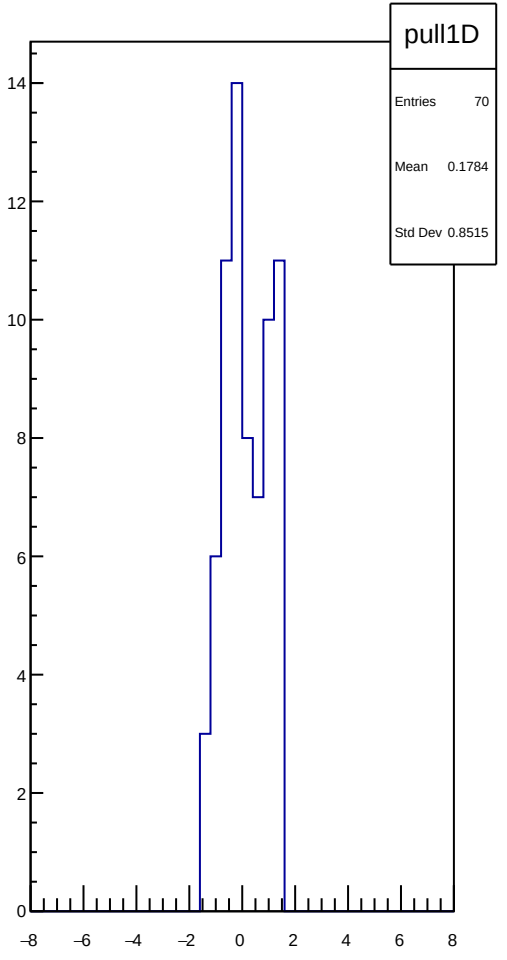

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 48.3 / 69
p0 −192.4 ± 5.101
pull
Entries 70
Mean 110.4
Std Dev 0

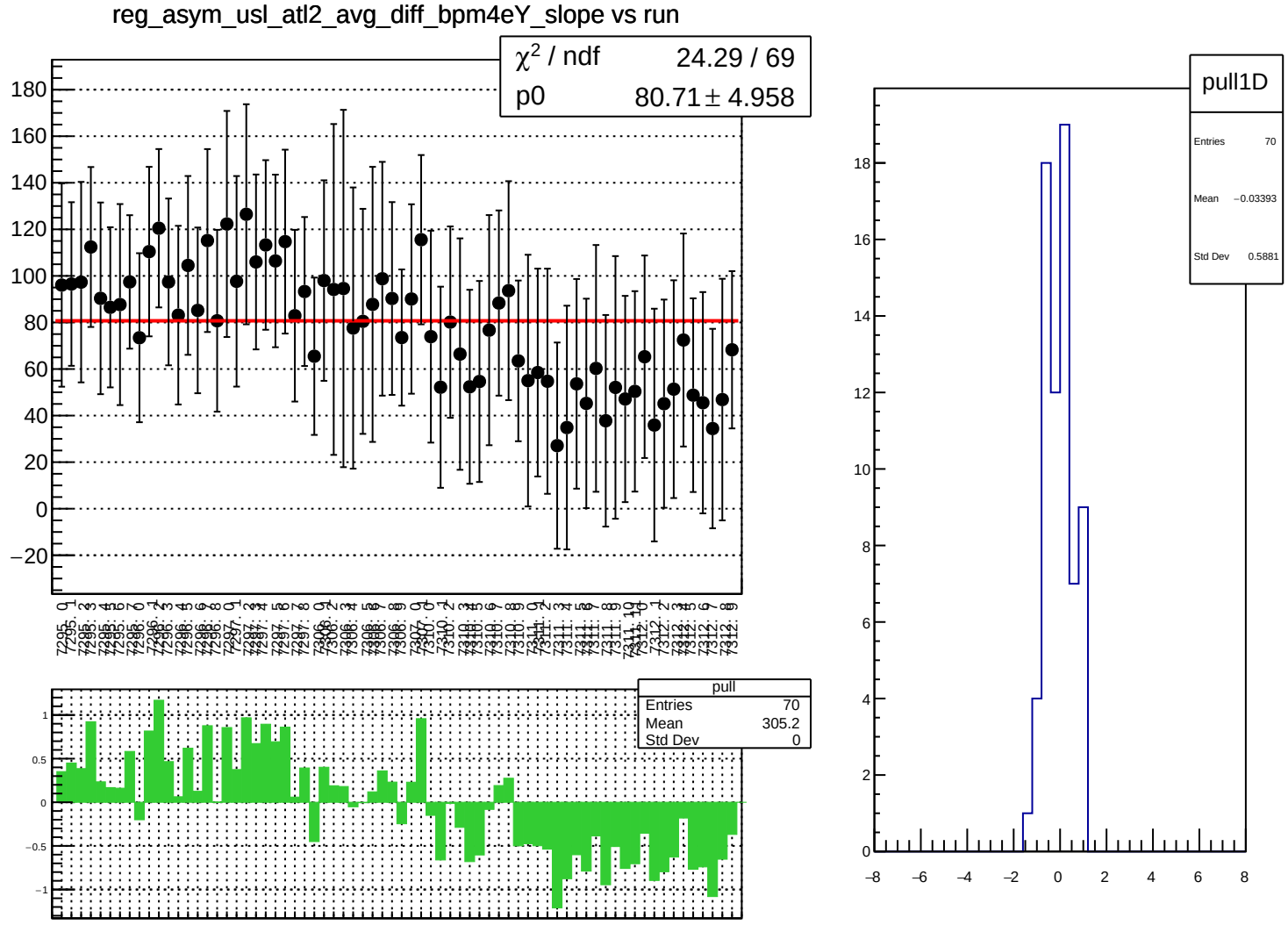

pull1D
Entries 70
Mean −0.1647
Std Dev 0.8142

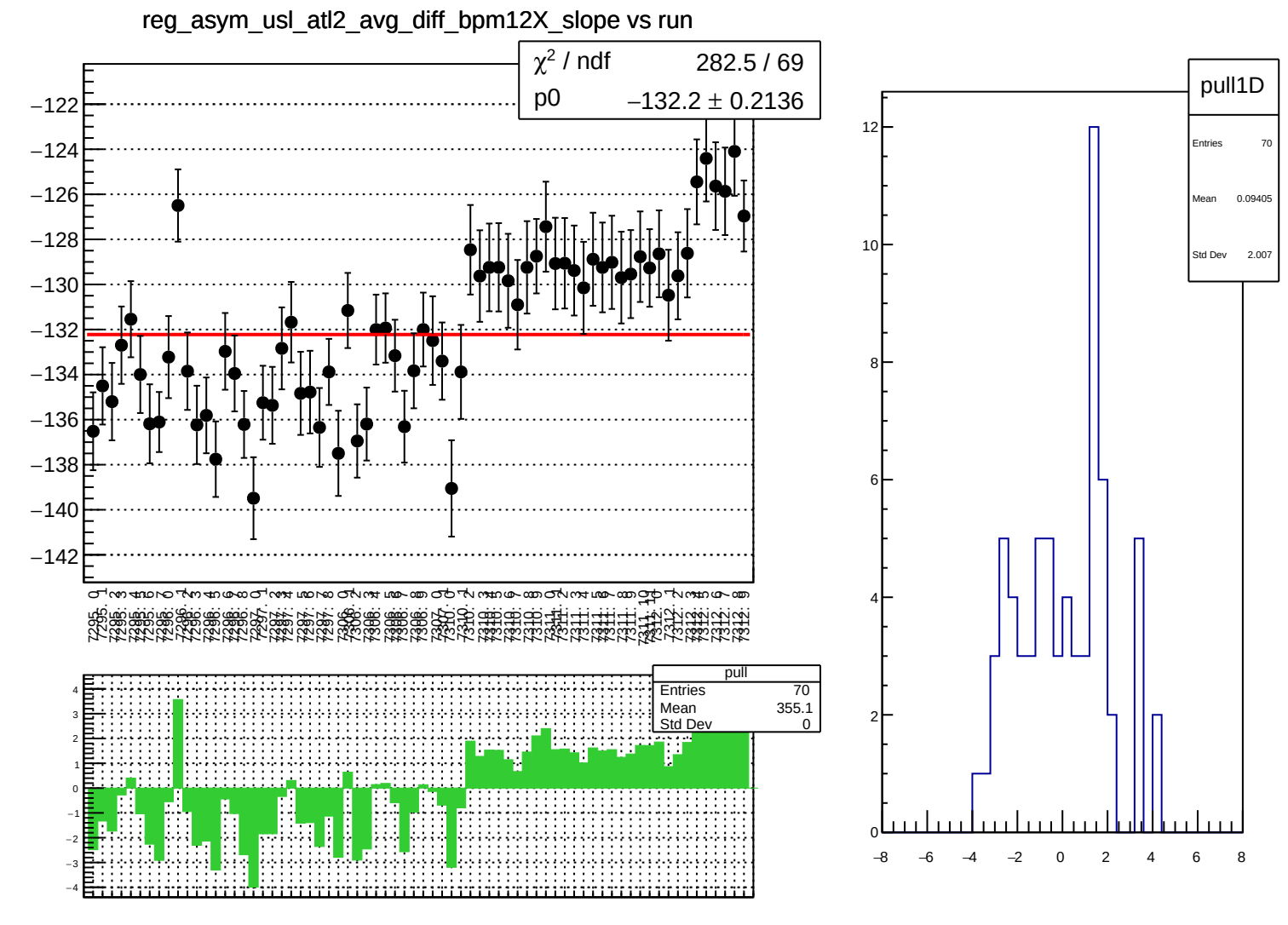

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.74 / 69
p0 −10.01 ± 4.619
pull
Entries 70
Mean 368.7
Std Dev 0

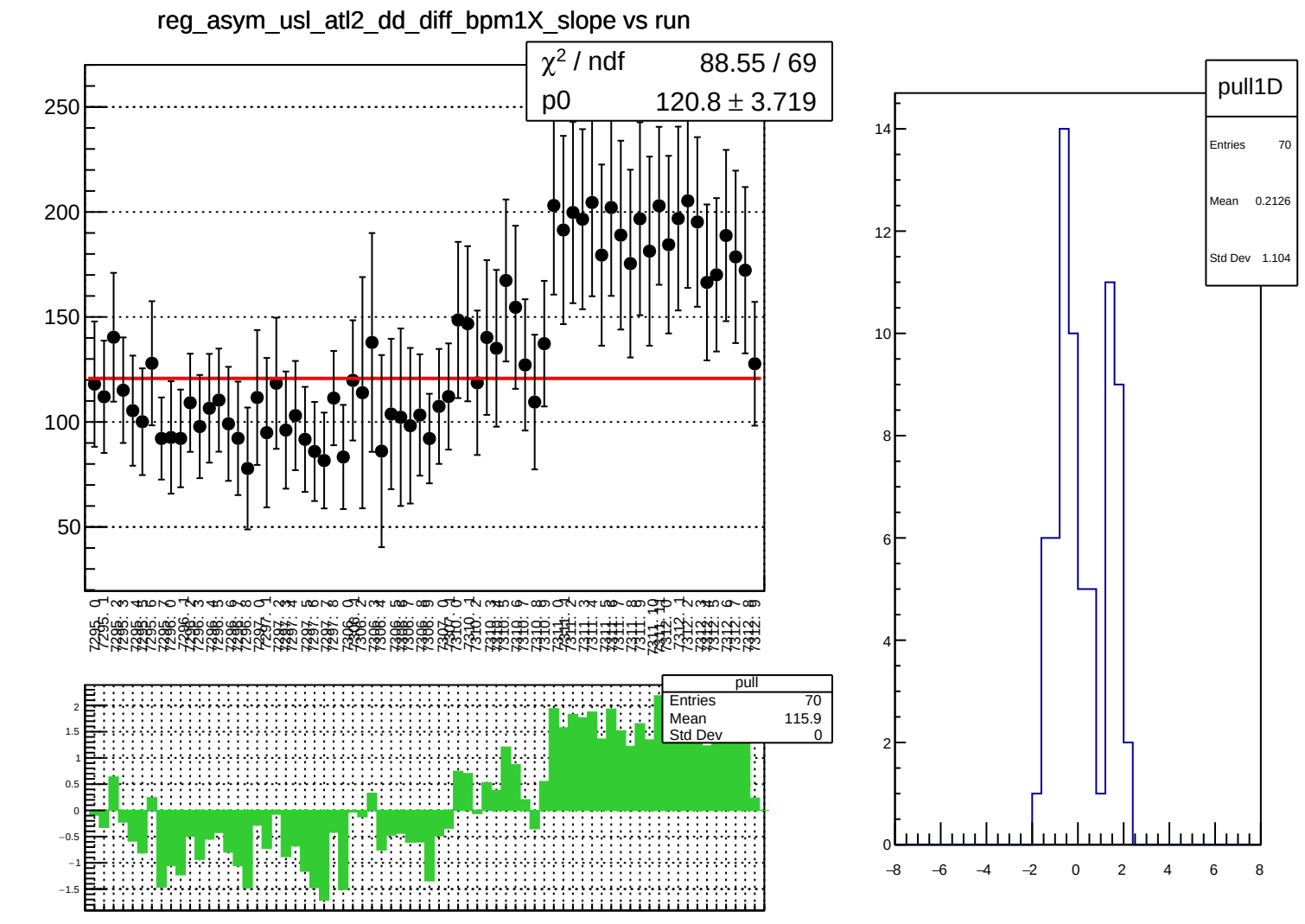

pull1D
Entries 70
Mean 0.02397
Std Dev 0.5305

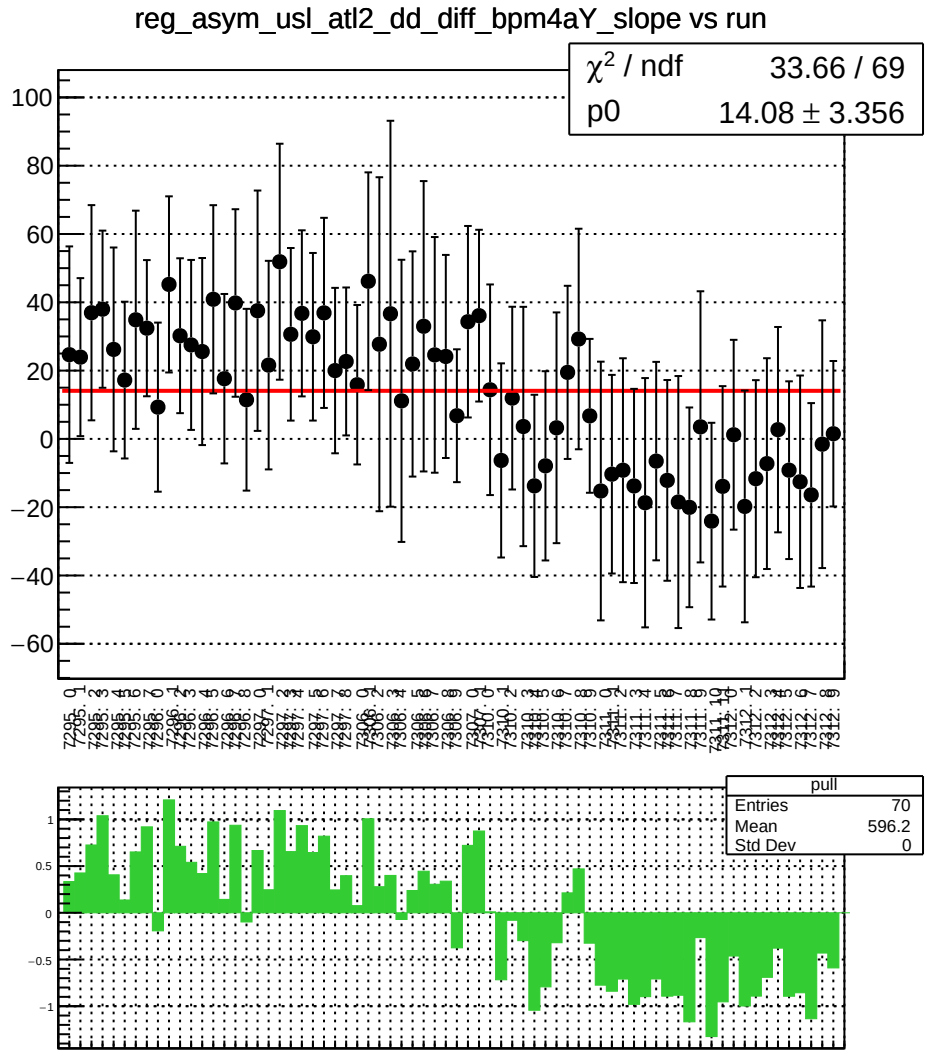

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.98 / 69
p0 130.3 ± 5.036
pull
Entries 70
Mean 109.9
Std Dev 0

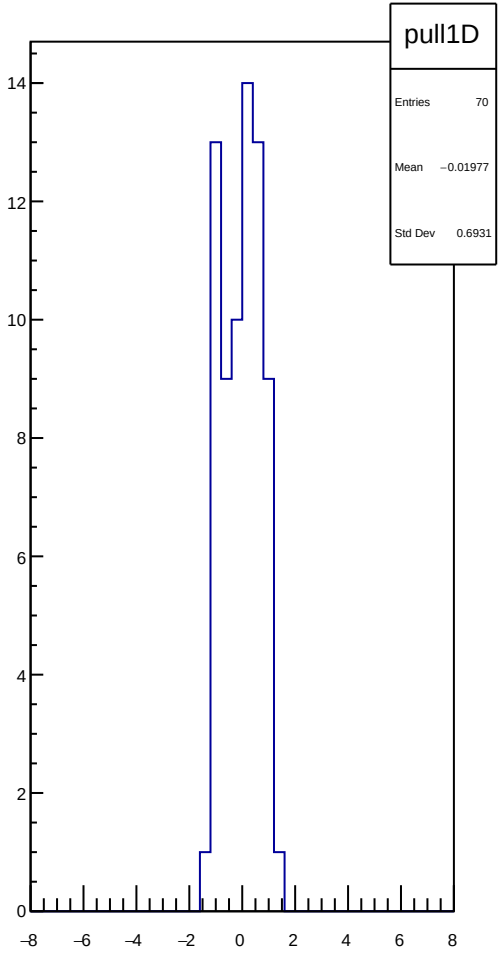

pull1D
Entries 70
Mean 0.1784
Std Dev 0.8515

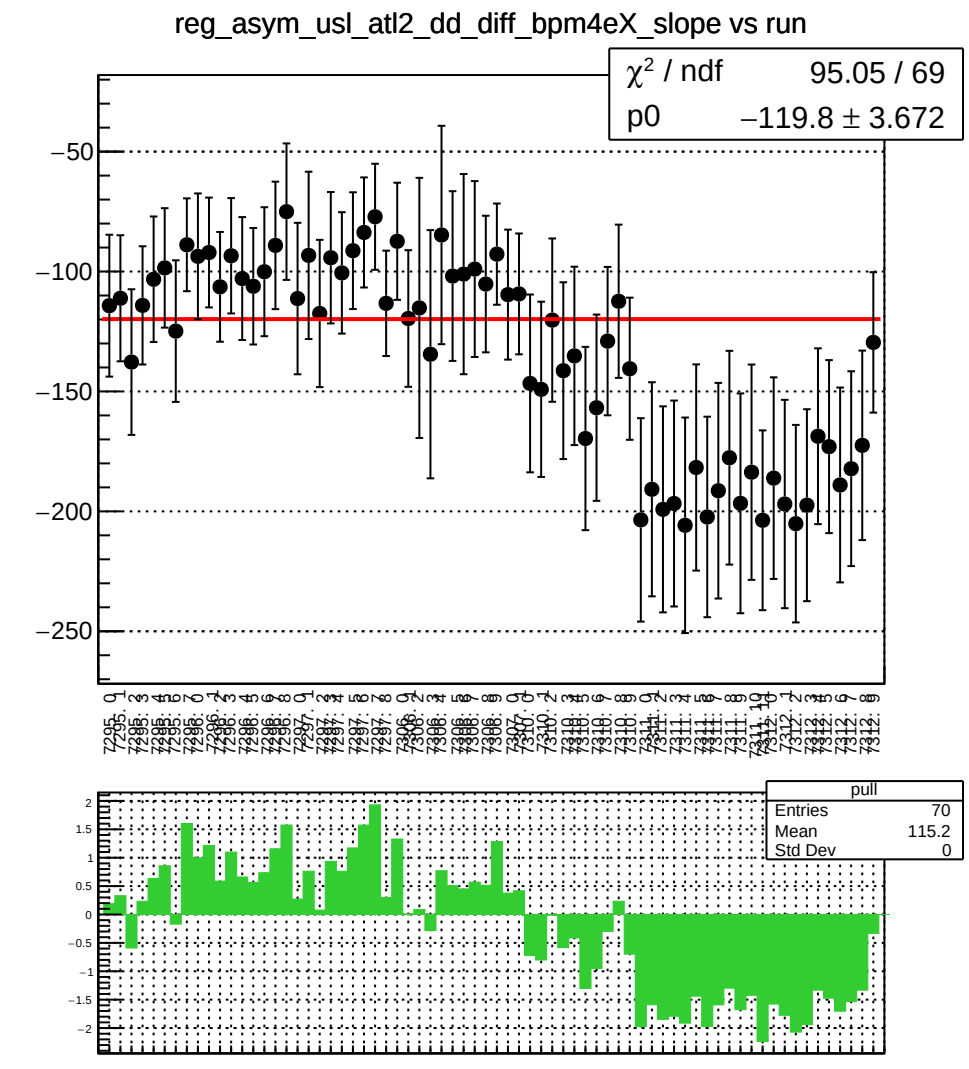

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.29 / 69
p0 80.71 ± 4.958
pull
Entries 70
Mean 305.2
Std Dev 0
pull1D
Entries 70
Mean −0.03393
Std Dev 0.5881

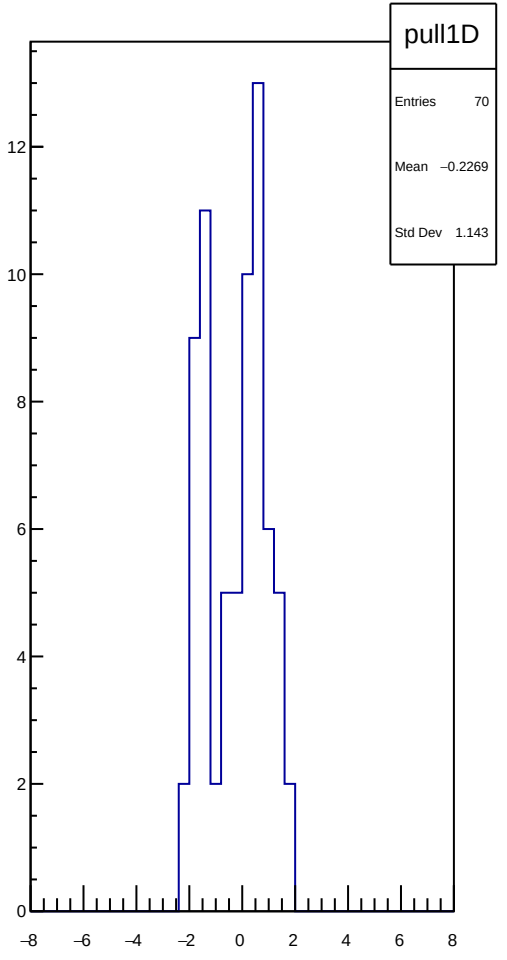

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 282.5 / 69
p0 −132.2 ± 0.2136
pull
Entries 70
Mean 355.1
Std Dev 0
pull1D
Entries 70
Mean 0.09405
Std Dev 2.007

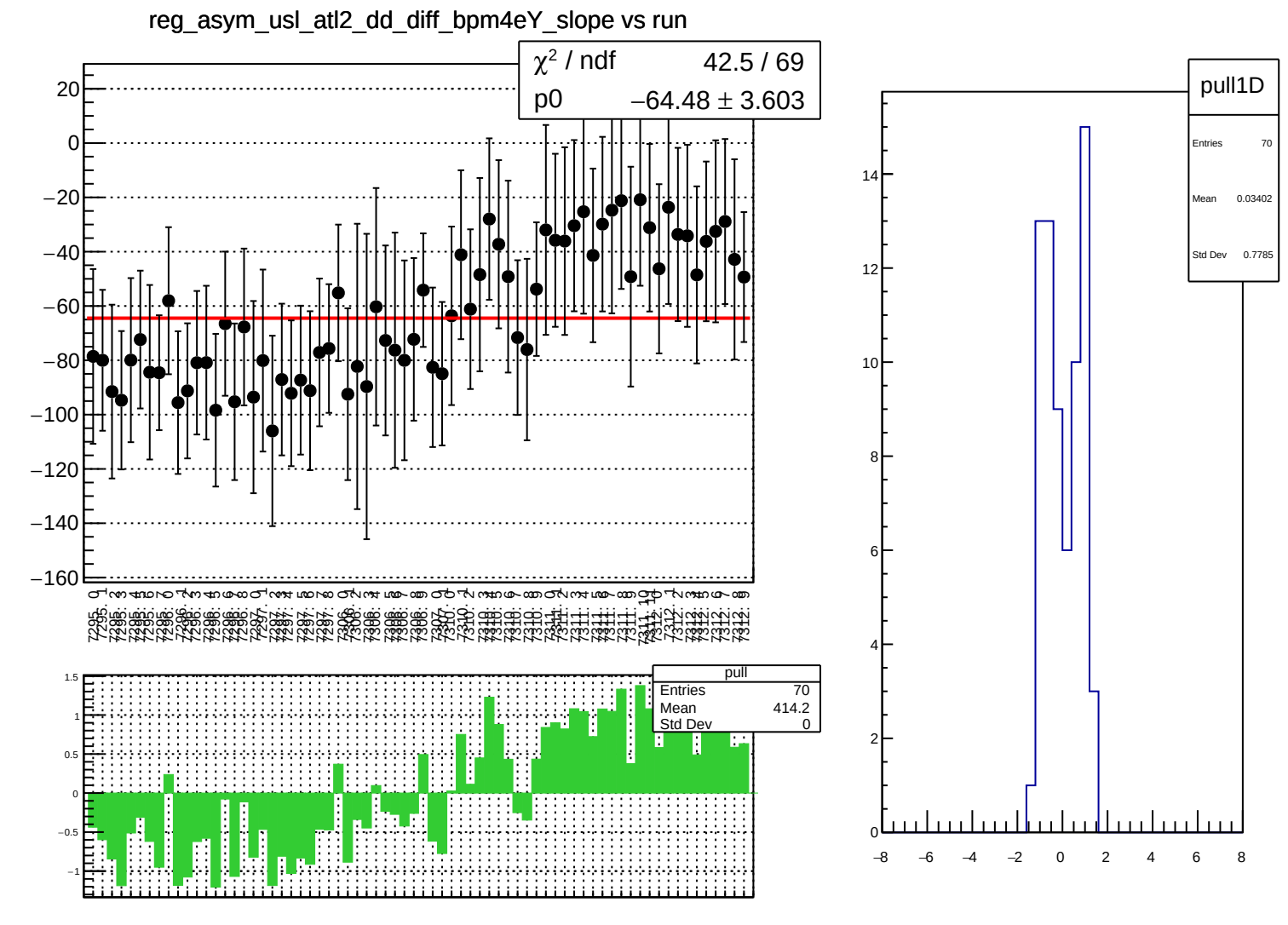

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 88.55 / 69
p0 120.8 ± 3.719
pull
Entries 70
Mean 115.9
Std Dev 0
pull1D
Entries 70
Mean 0.2126
Std Dev 1.104

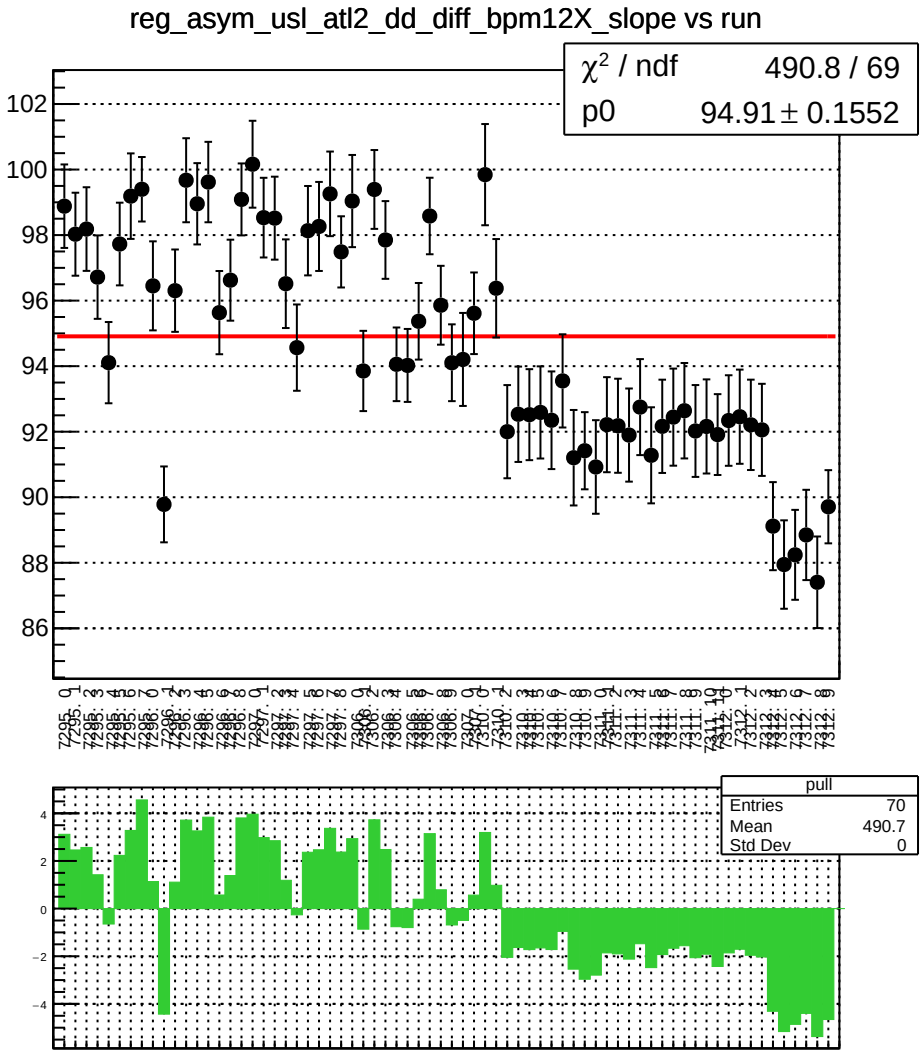

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.66 / 69
p0 14.08 ± 3.356
pull
Entries 70
Mean 596.2
Std Dev 0

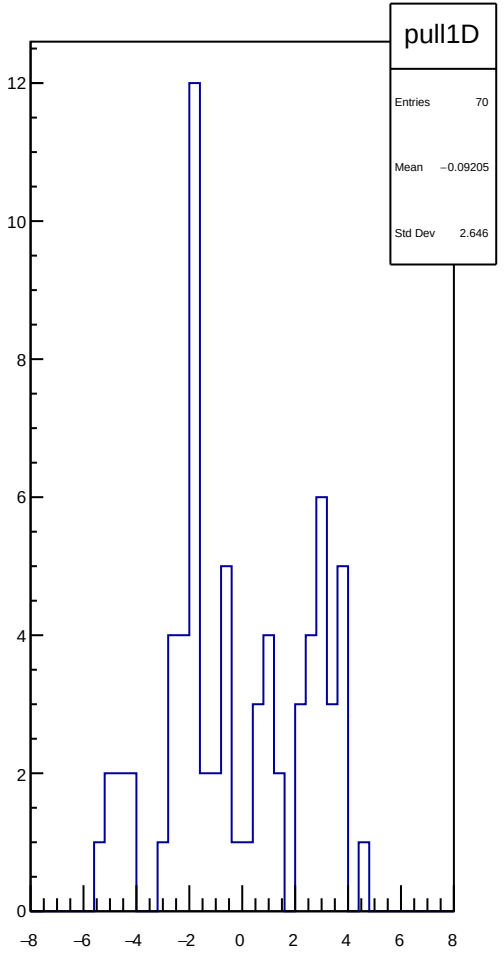

pull1D
Entries 70
Mean −0.01977
Std Dev 0.6931

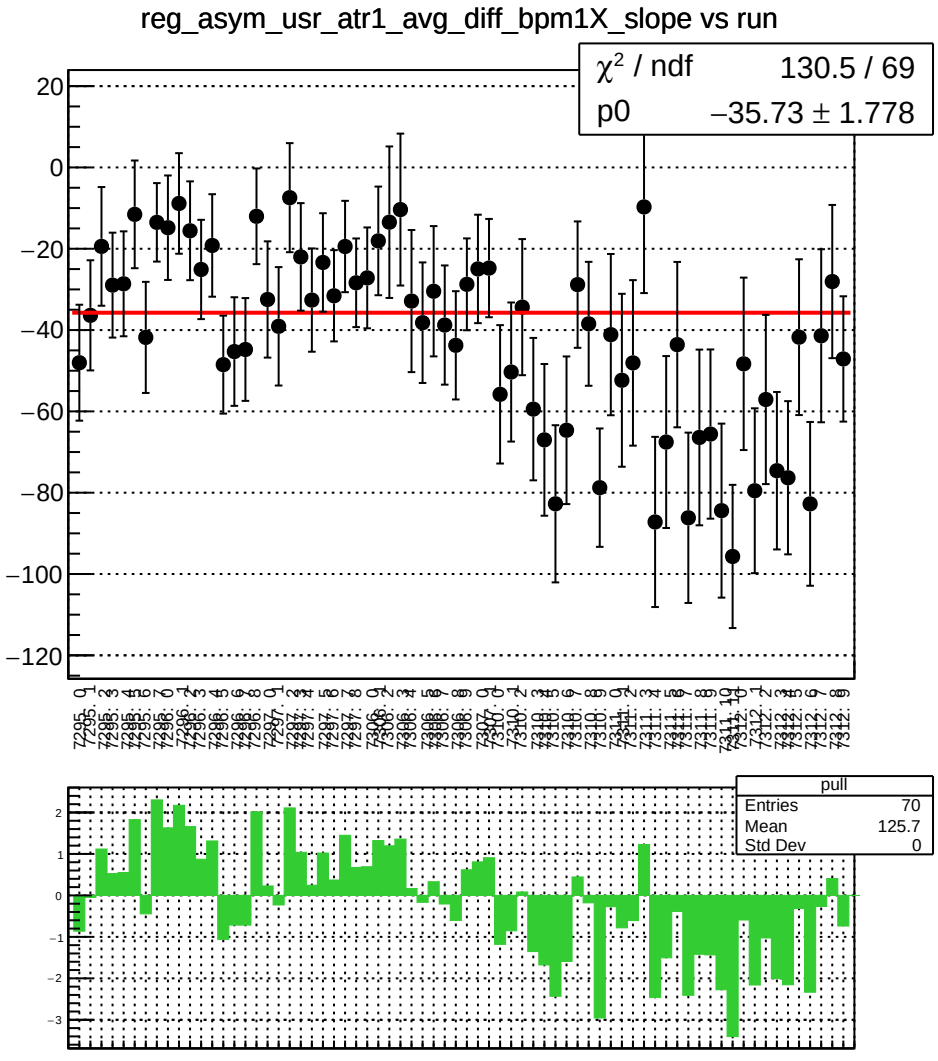

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.05 / 69
p0 −119.8 ± 3.672
pull
Entries 70
Mean 115.2
Std Dev 0

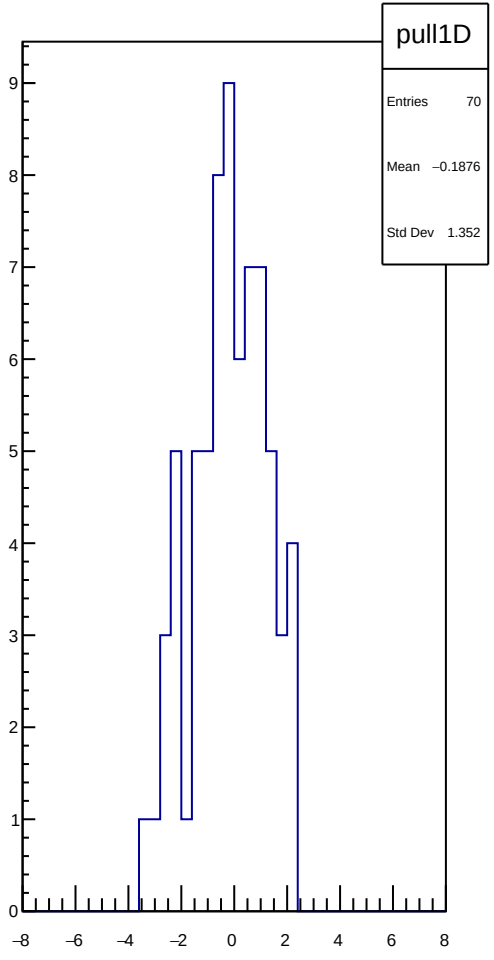

pull1D
Entries 70
Mean −0.2269
Std Dev 1.143

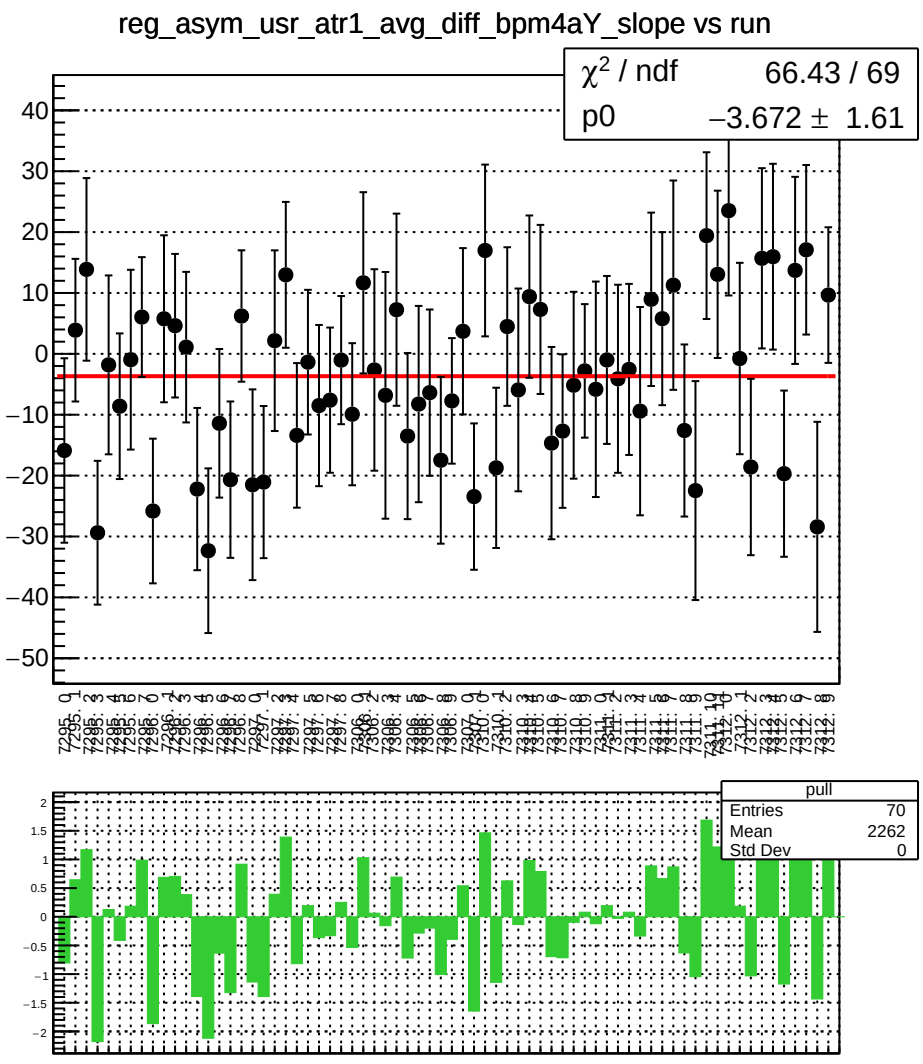

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.5 / 69
p0 −64.48 ± 3.603
pull
Entries 70
Mean 414.2
Std Dev 0
pull1D
Entries 70
Mean 0.03402
Std Dev 0.7785

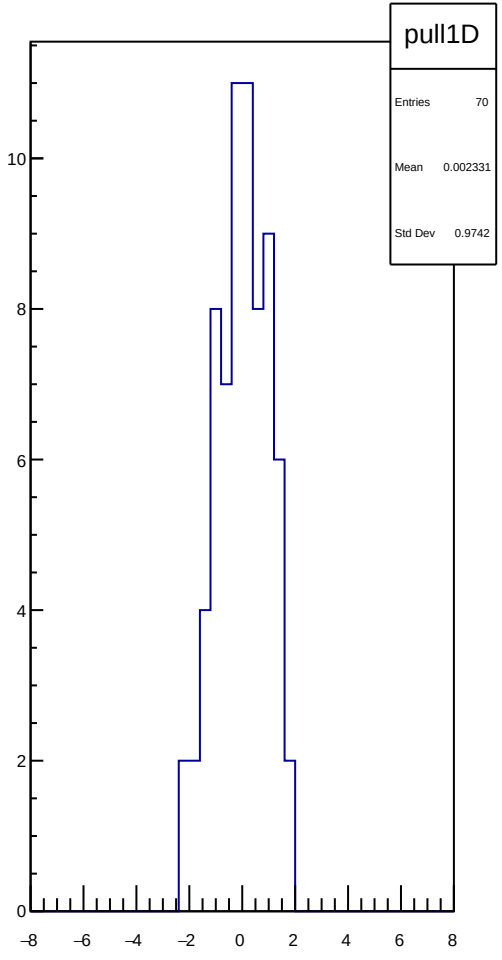

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 490.8 / 69
p0 94.91 ± 0.1552
pull
Entries 70
Mean 490.7
Std Dev 0

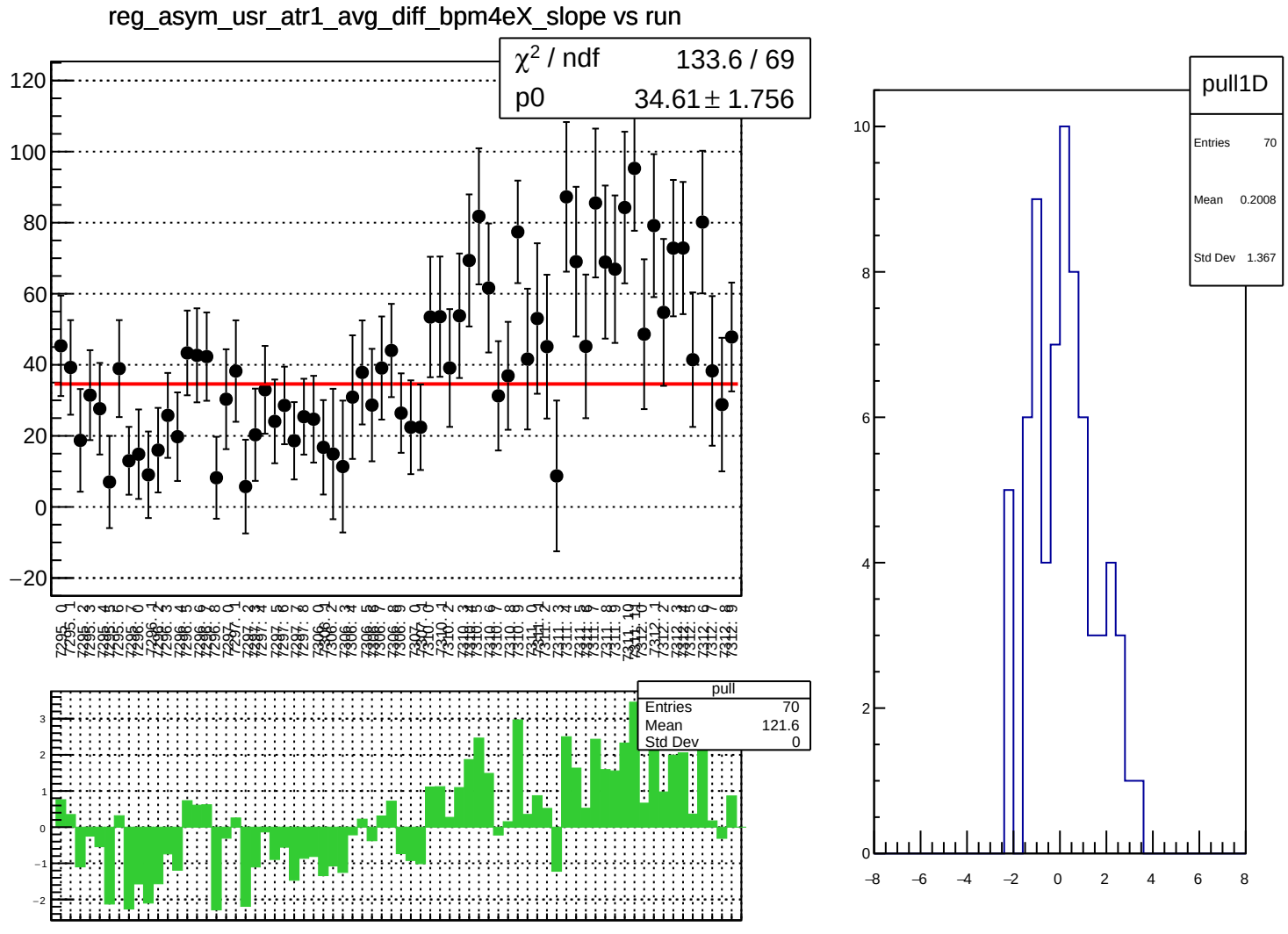

pull1D
Entries 70
Mean −0.09205
Std Dev 2.646

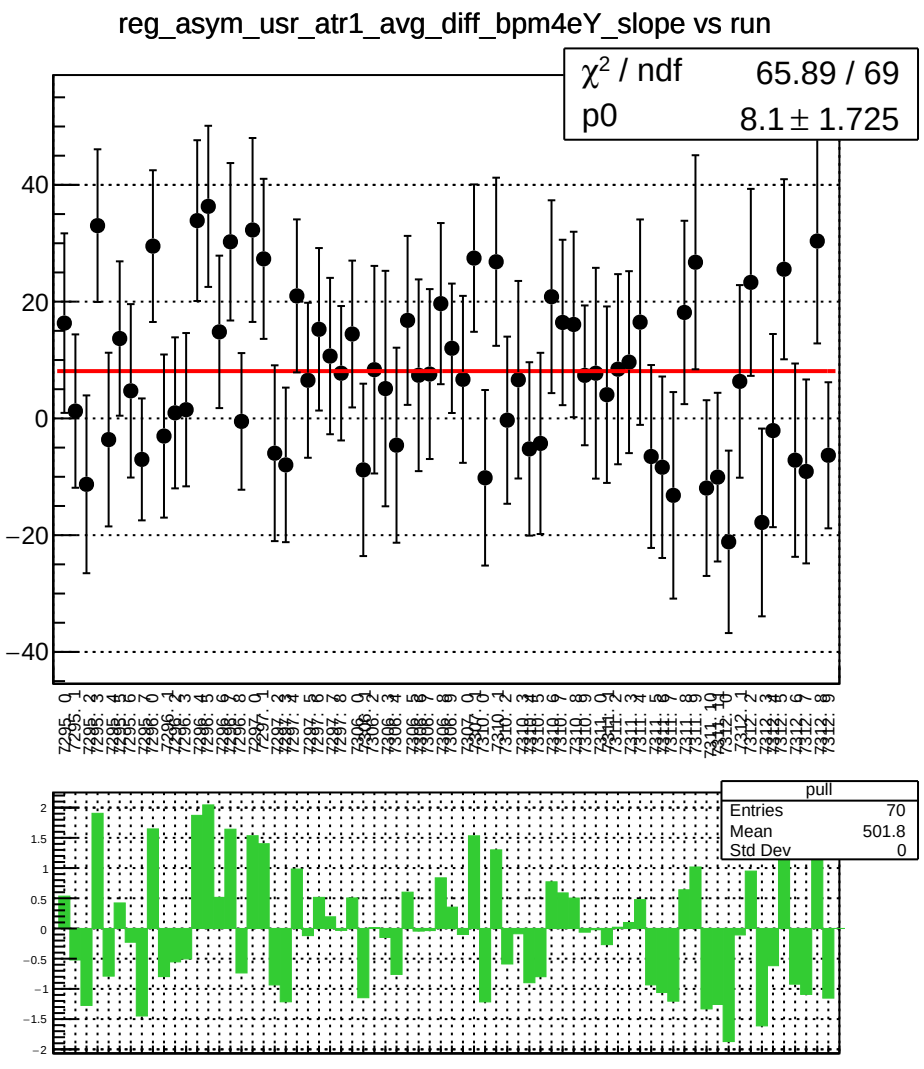

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 130.5 / 69
p0 −35.73 ± 1.778
pull
Entries 70
Mean 125.7
Std Dev 0

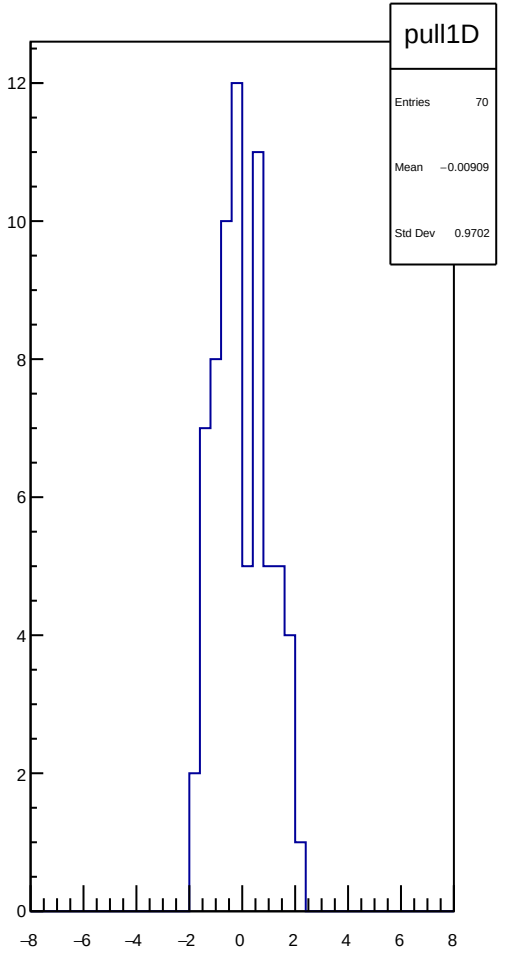

pull1D
Entries 70
Mean −0.1876
Std Dev 1.352

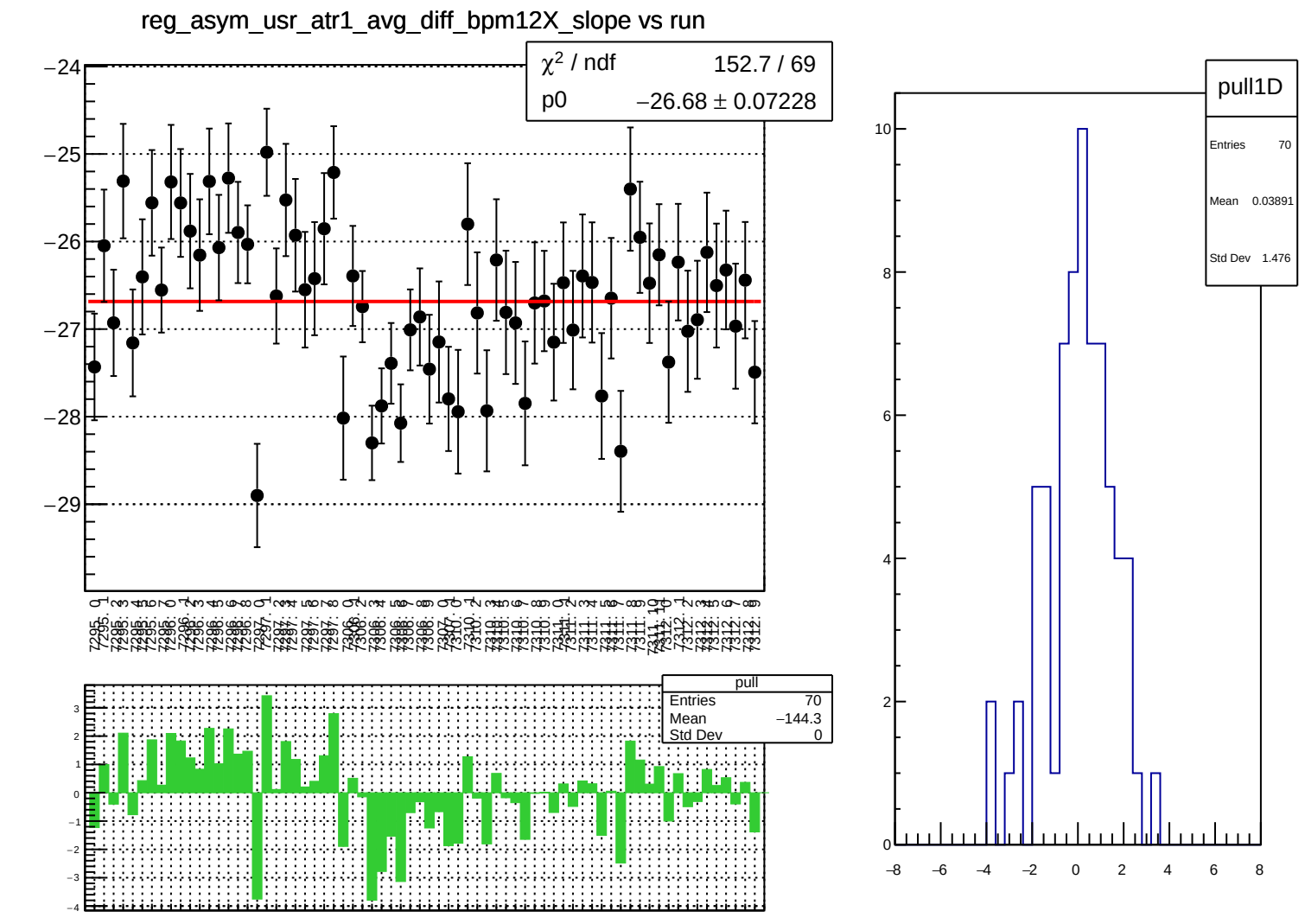

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.43 / 69
p0 −3.672 ± 1.61
pull
Entries 70
Mean 2262
Std Dev 0

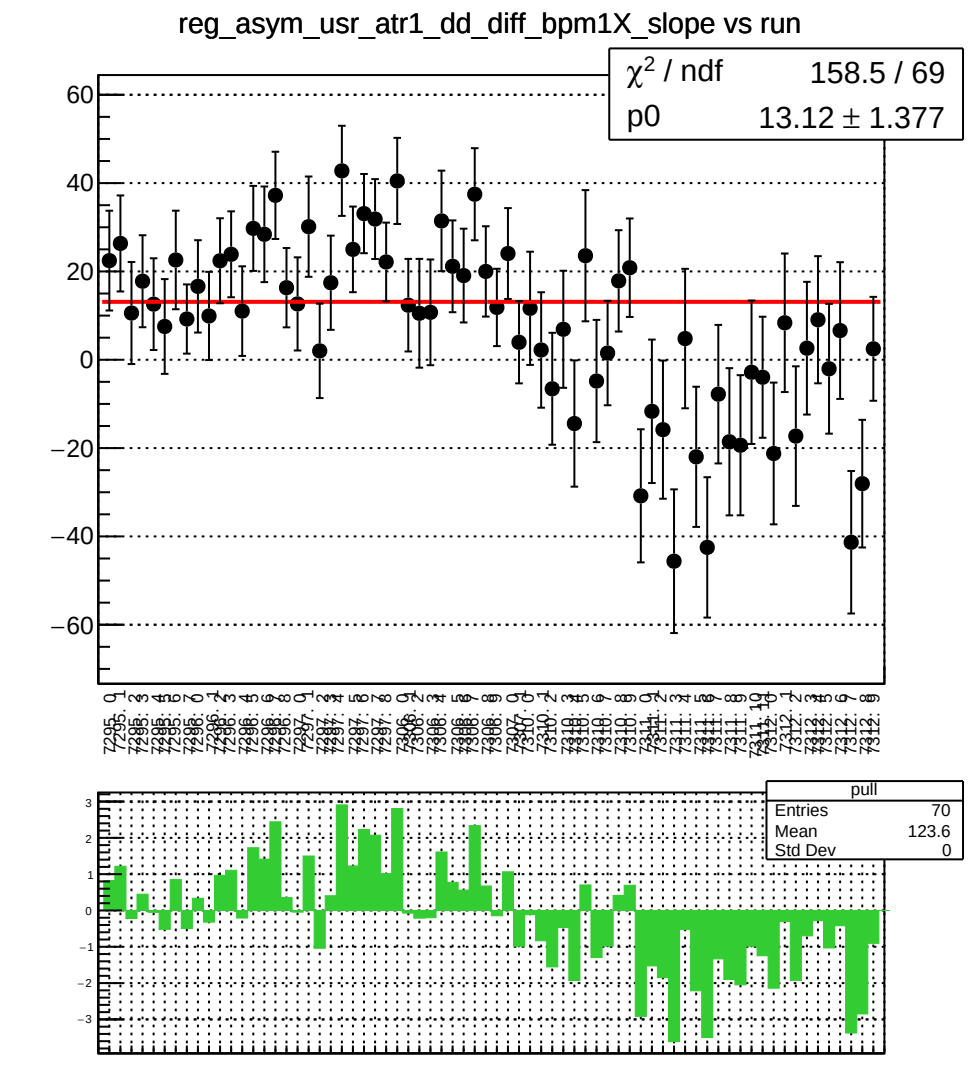

pull1D
Entries 70
Mean 0.002331
Std Dev 0.9742

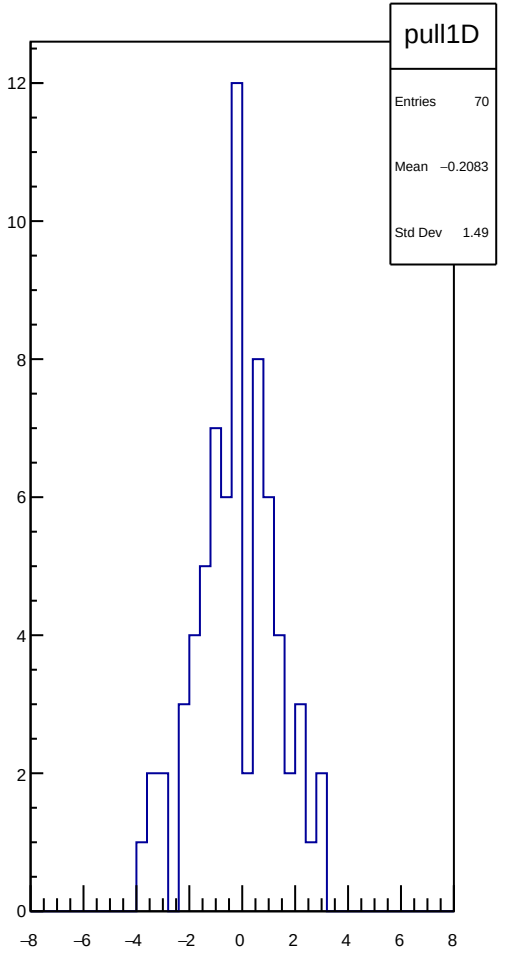

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 133.6 / 69
p0 34.61 ± 1.756
pull
Entries 70
Mean 121.6
Std Dev 0
pull1D
Entries 70
Mean 0.2008
Std Dev 1.367

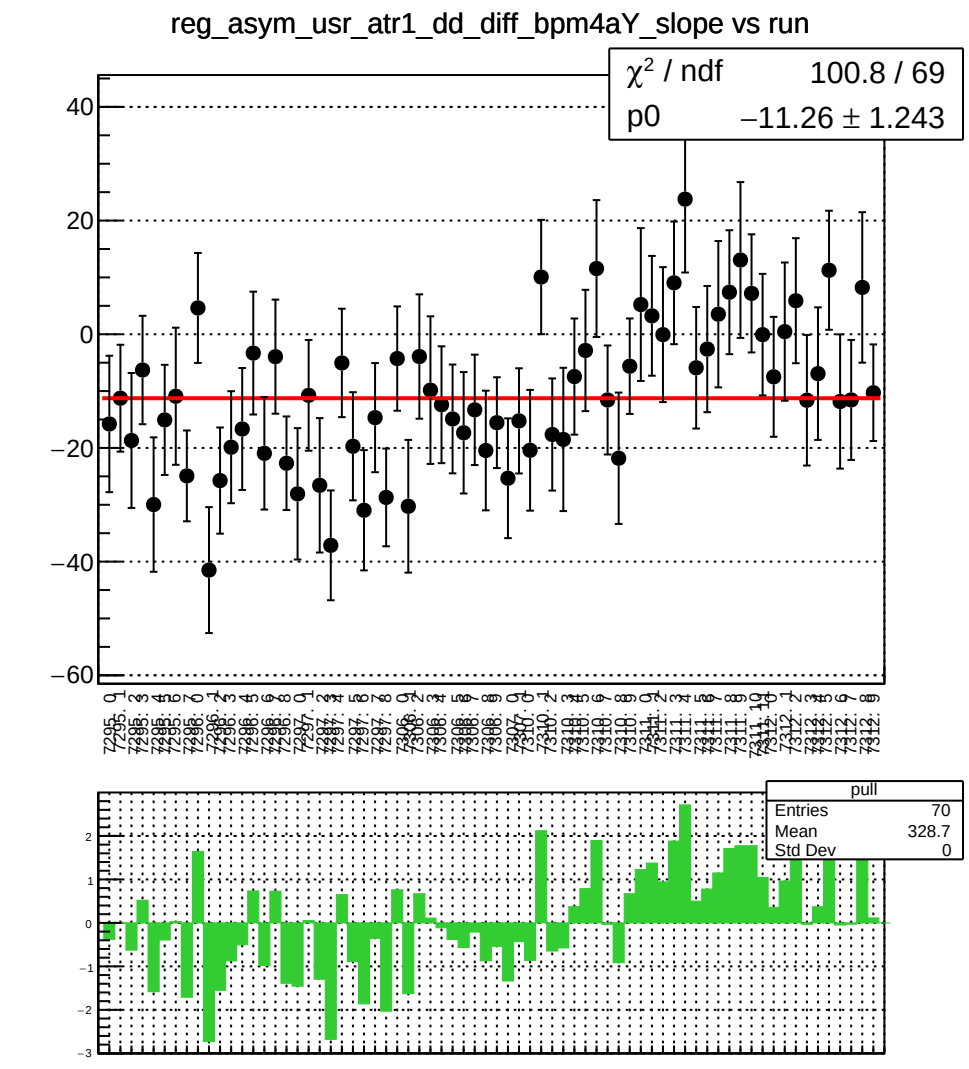

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.89 / 69
p0 8.1 ± 1.725
pull
Entries 70
Mean 501.8
Std Dev 0

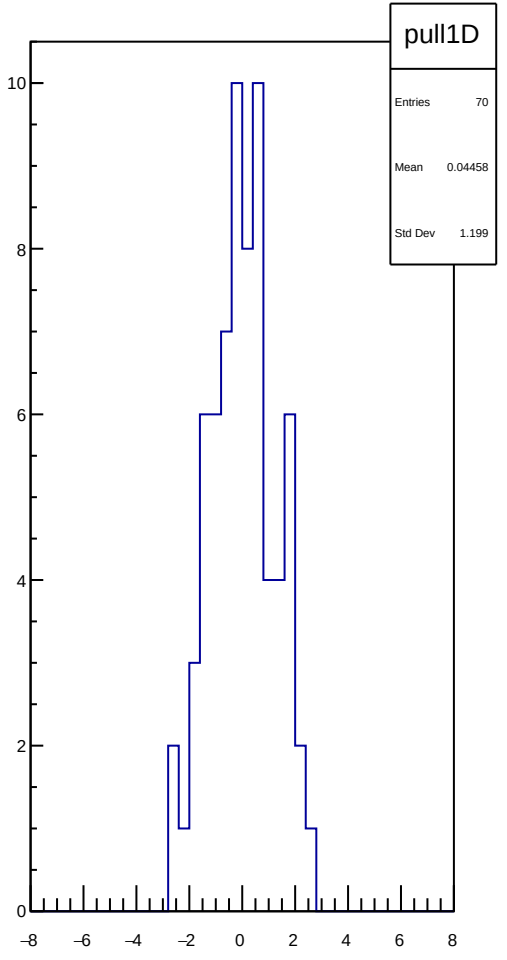

pull1D
Entries 70
Mean −0.00909
Std Dev 0.9702

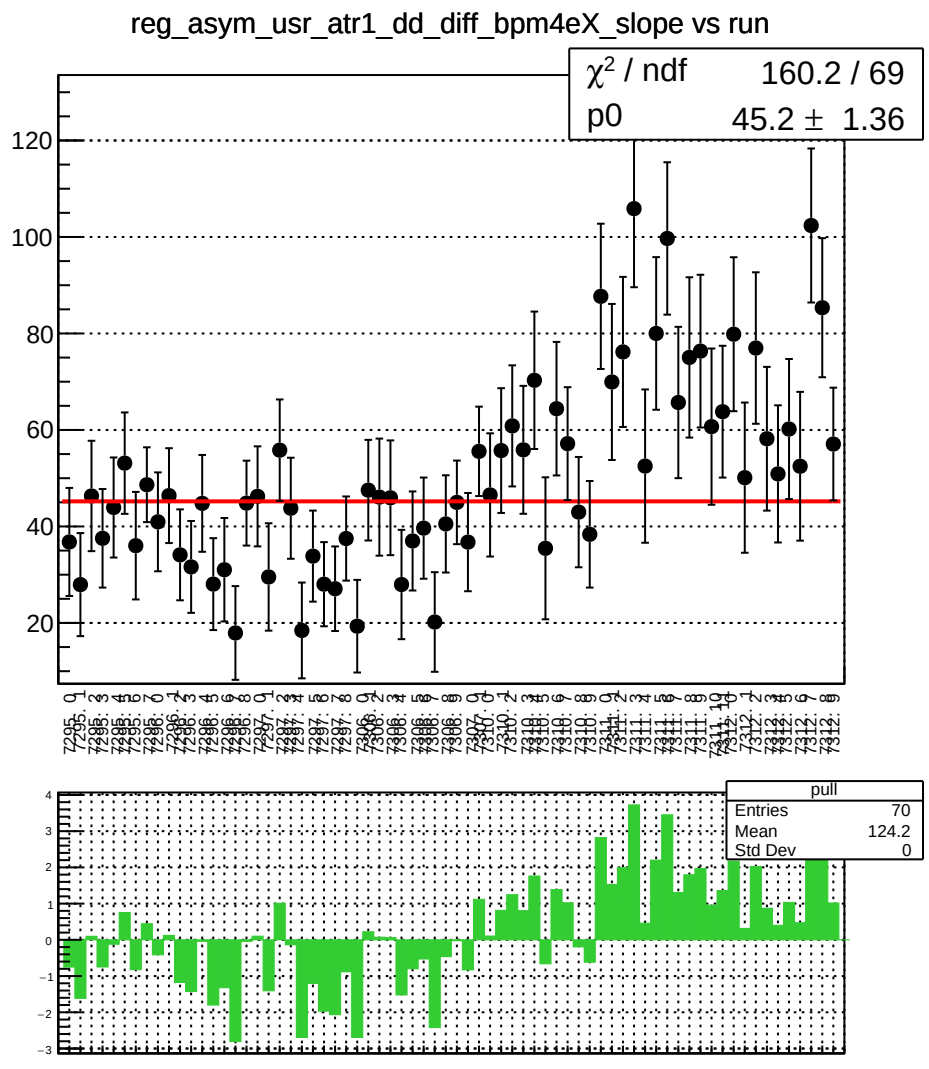

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 152.7 / 69
p0 −26.68 ± 0.07228
pull
Entries 70
Mean −144.3
Std Dev 0
pull1D
Entries 70
Mean 0.03891
Std Dev 1.476

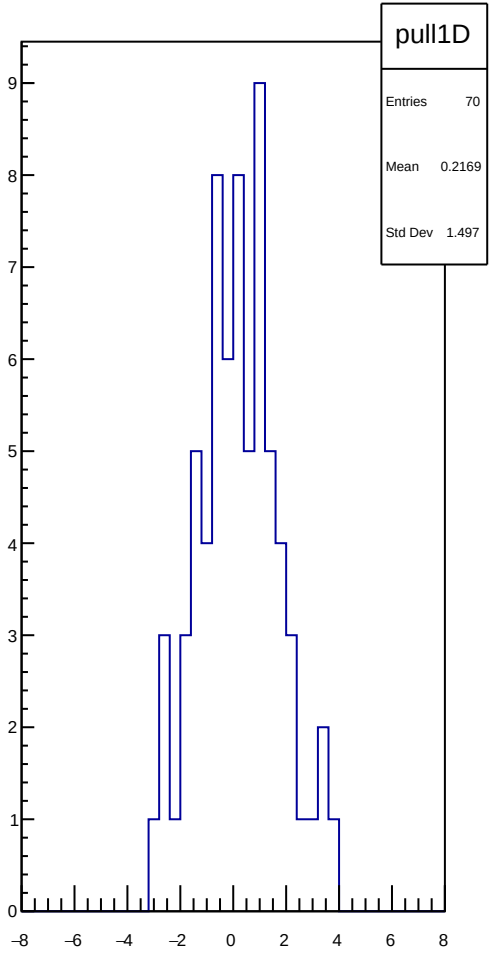

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 158.5 / 69
p0 13.12 ± 1.377
pull
Entries 70
Mean 123.6
Std Dev 0

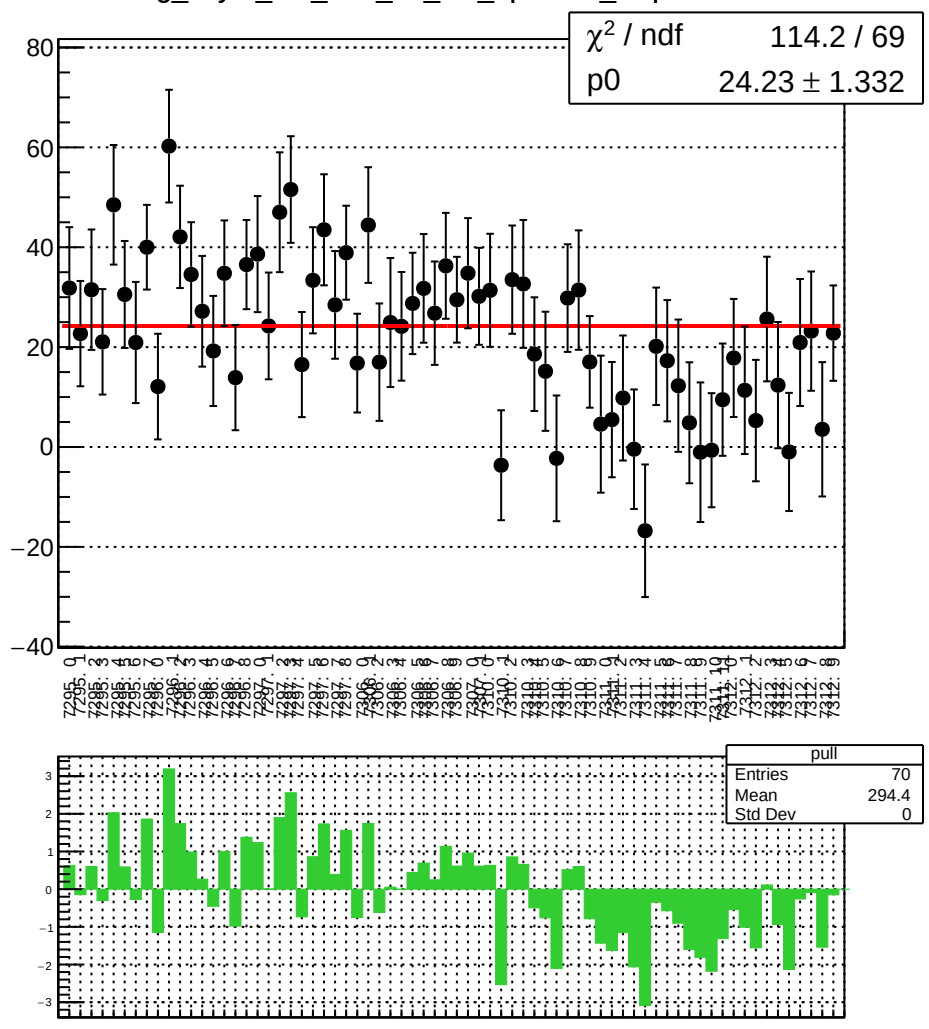

pull1D
Entries 70
Mean −0.2083
Std Dev 1.49

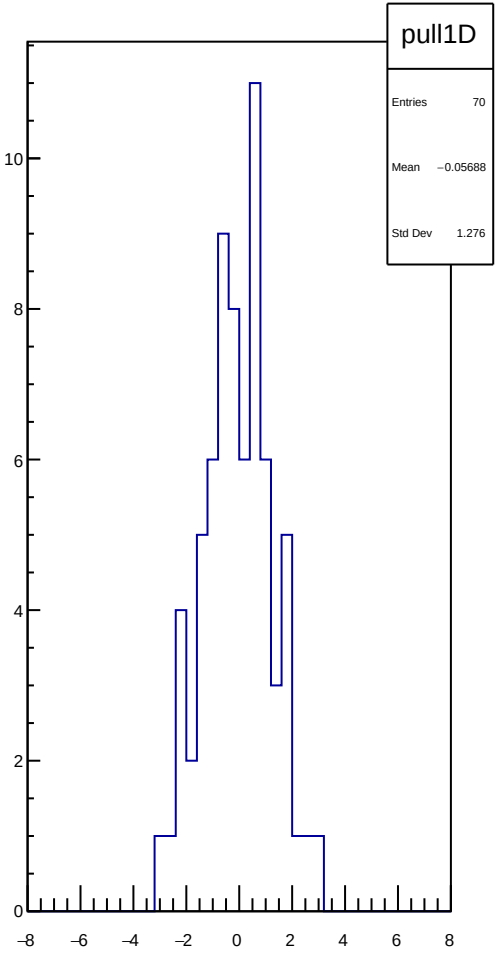

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 69
p0 −11.26 ± 1.243
pull
Entries 70
Mean 328.7
Std Dev 0

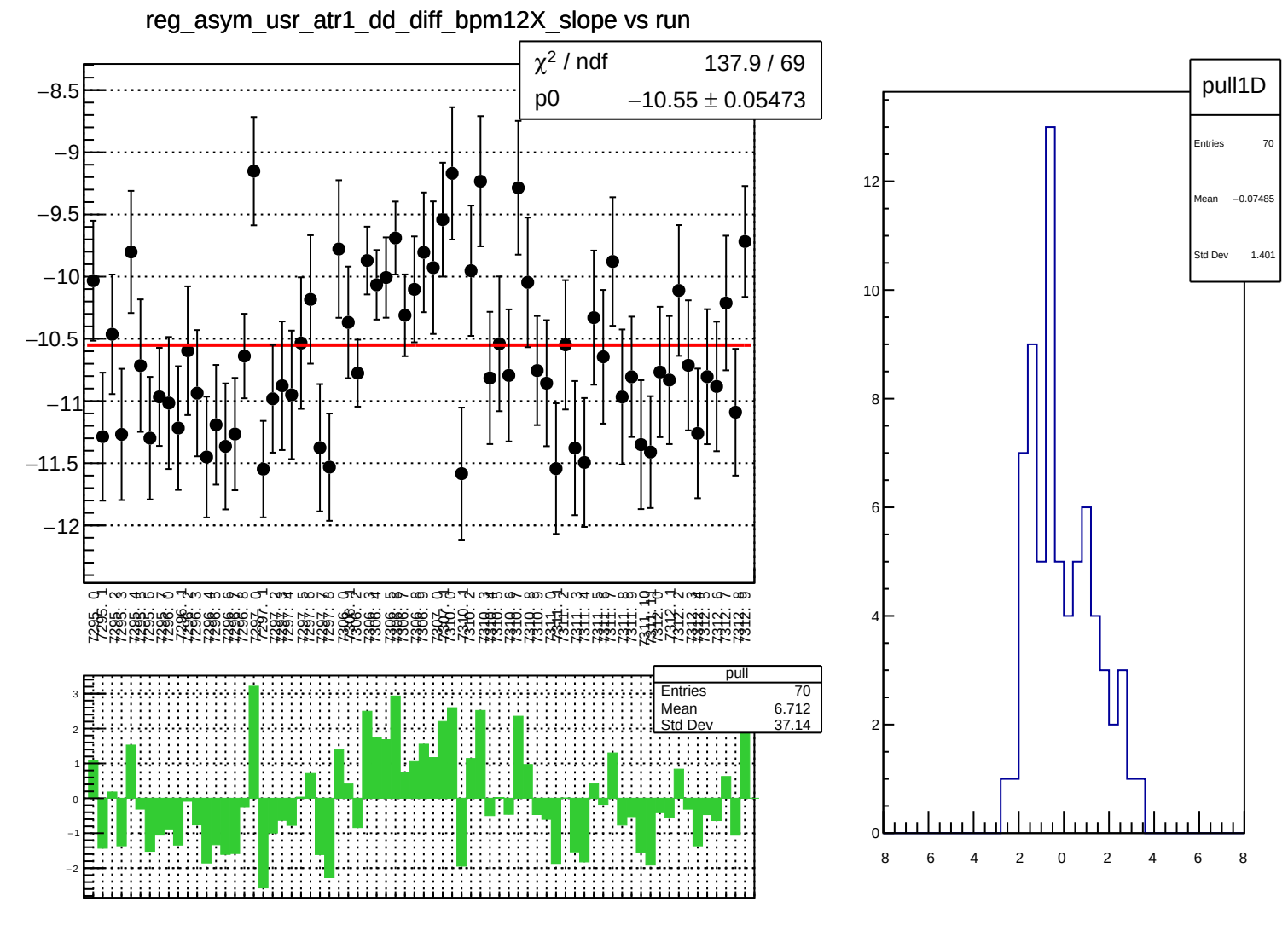

pull1D
Entries 70
Mean 0.04458
Std Dev 1.199

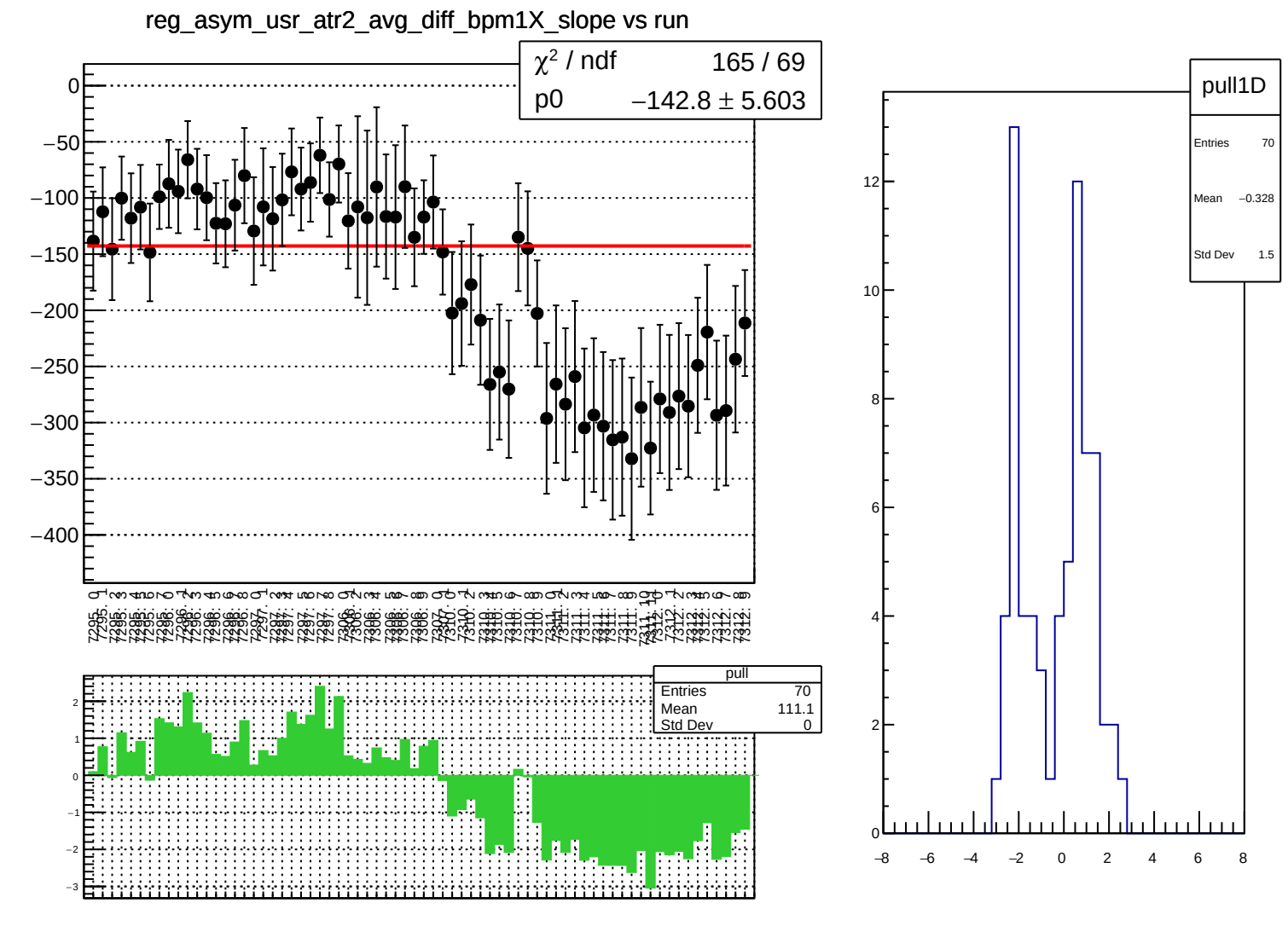

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 160.2 / 69
p0 45.2 ± 1.36
pull
Entries 70
Mean 124.2
Std Dev 0

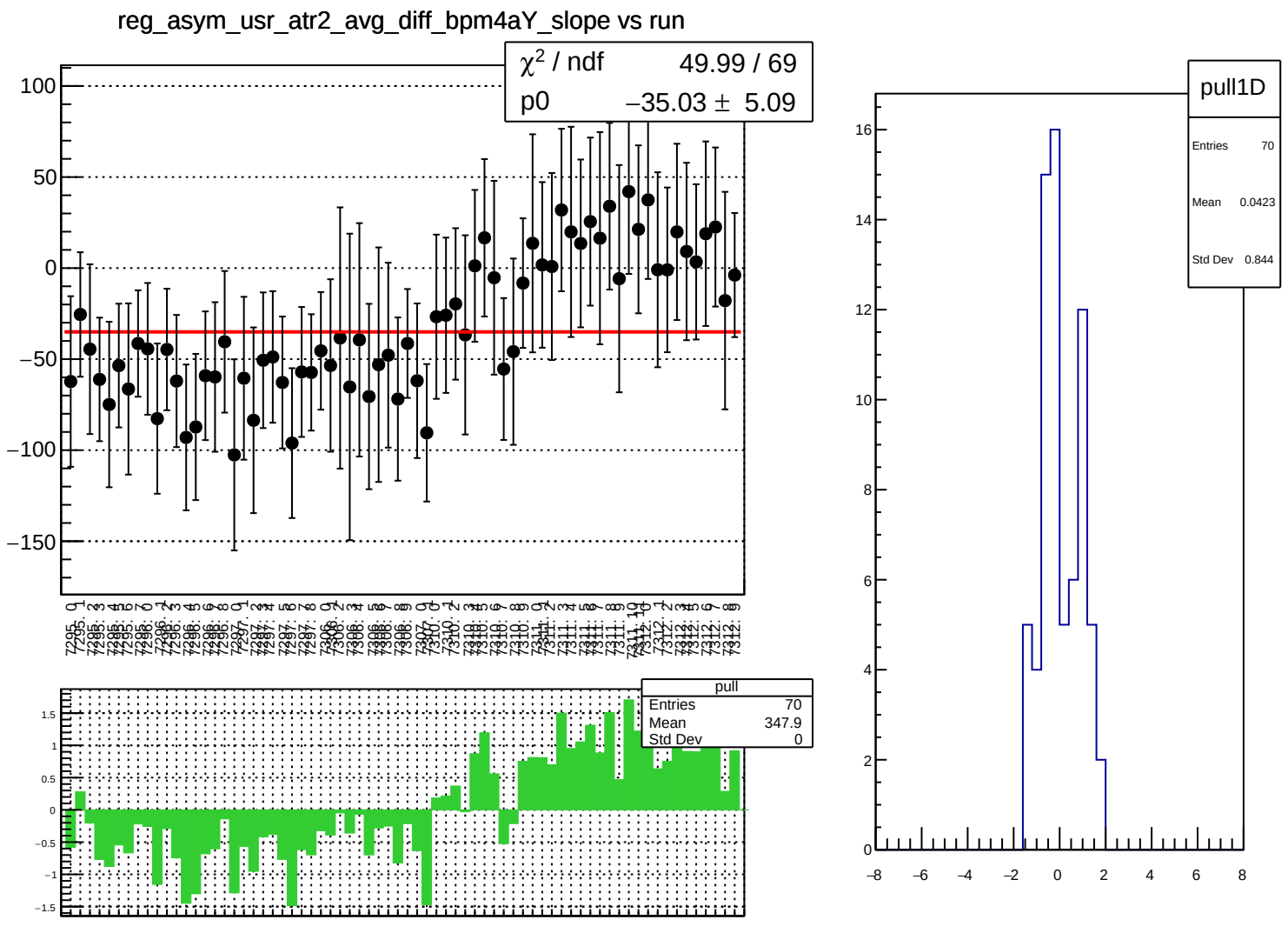

pull1D
Entries 70
Mean 0.2169
Std Dev 1.497

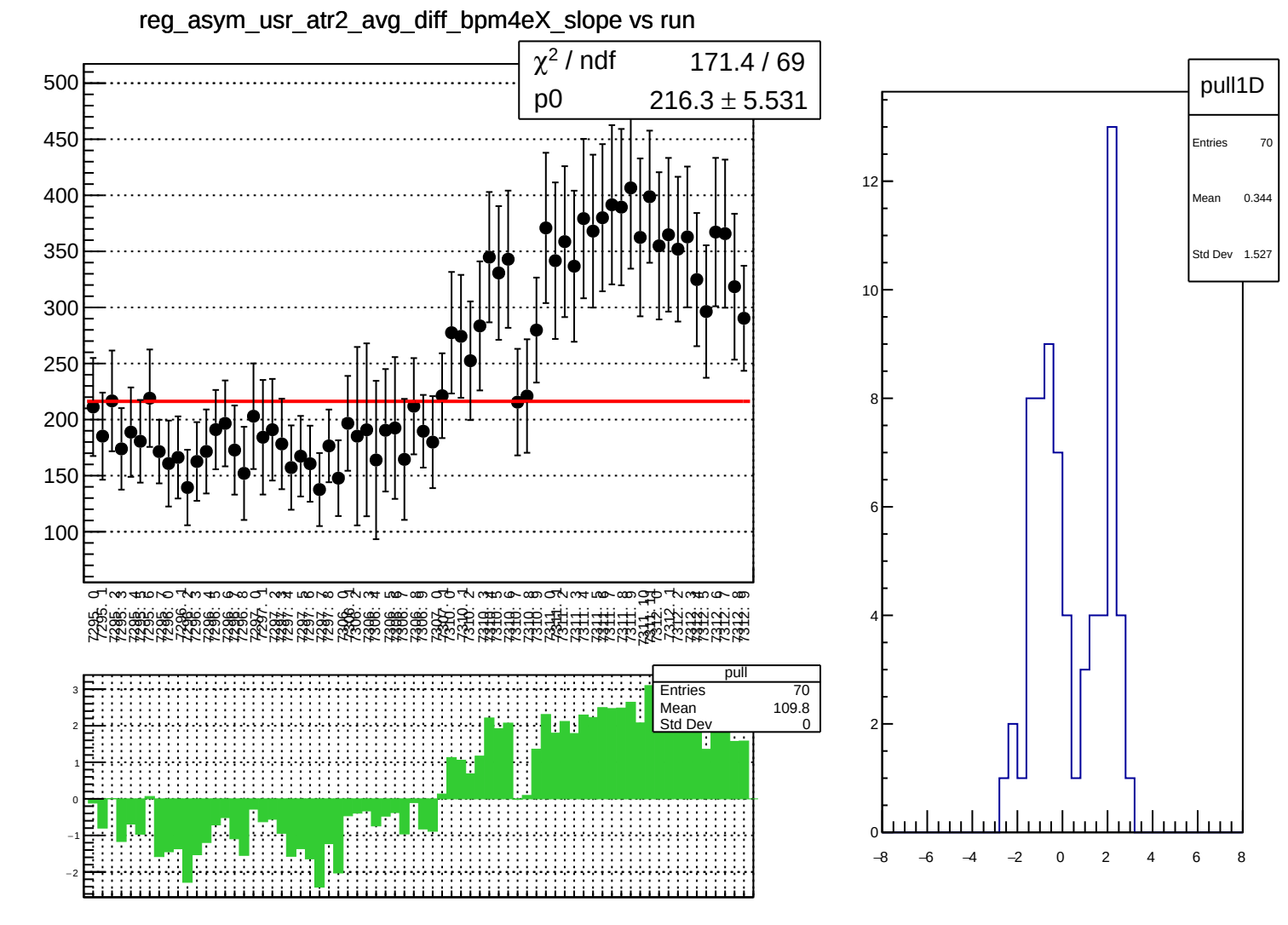

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 114.2 / 69
p0 24.23 ± 1.332
pull
Entries 70
Mean 294.4
Std Dev 0

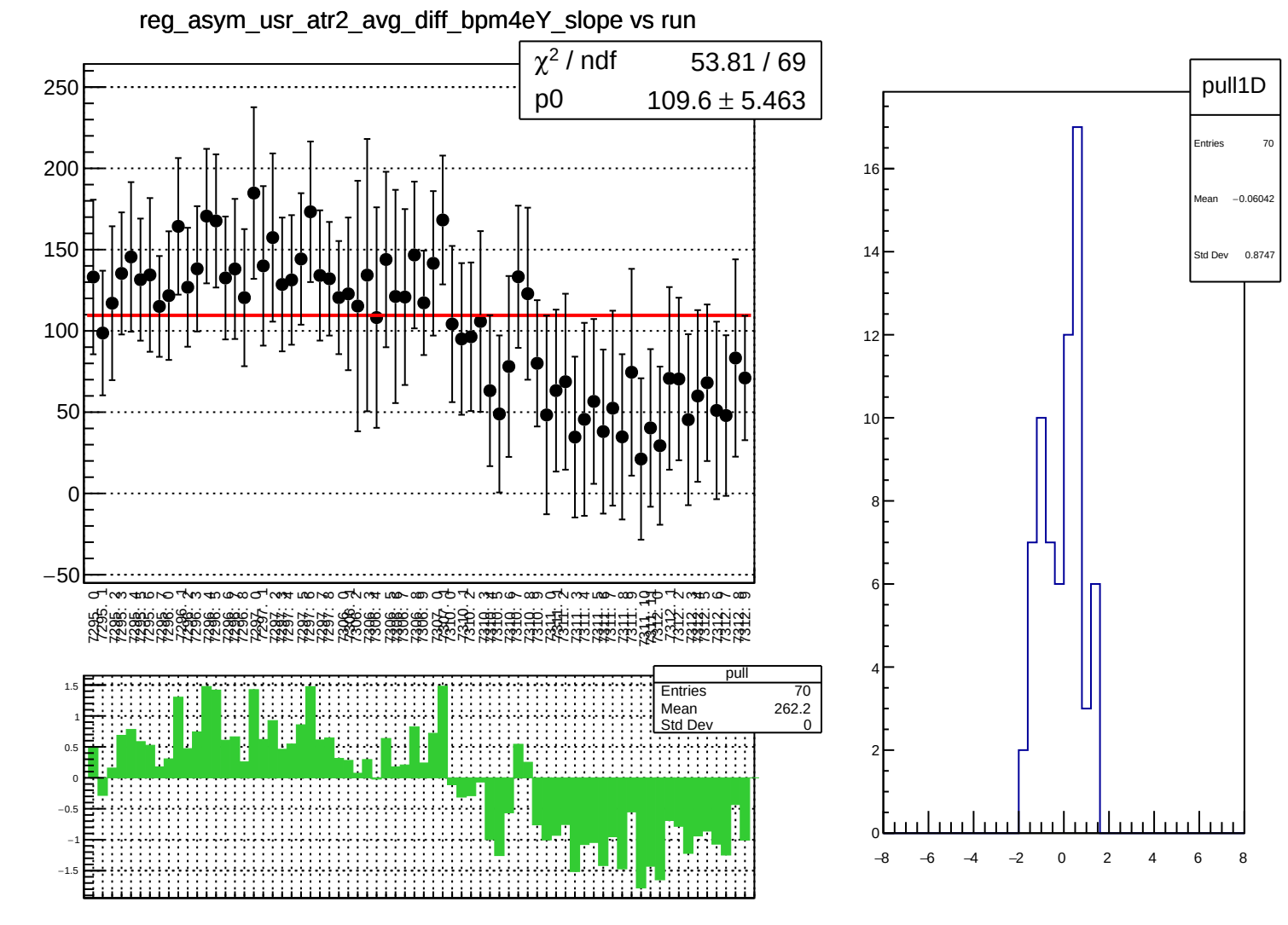

pull1D
Entries 70
Mean −0.05688
Std Dev 1.276

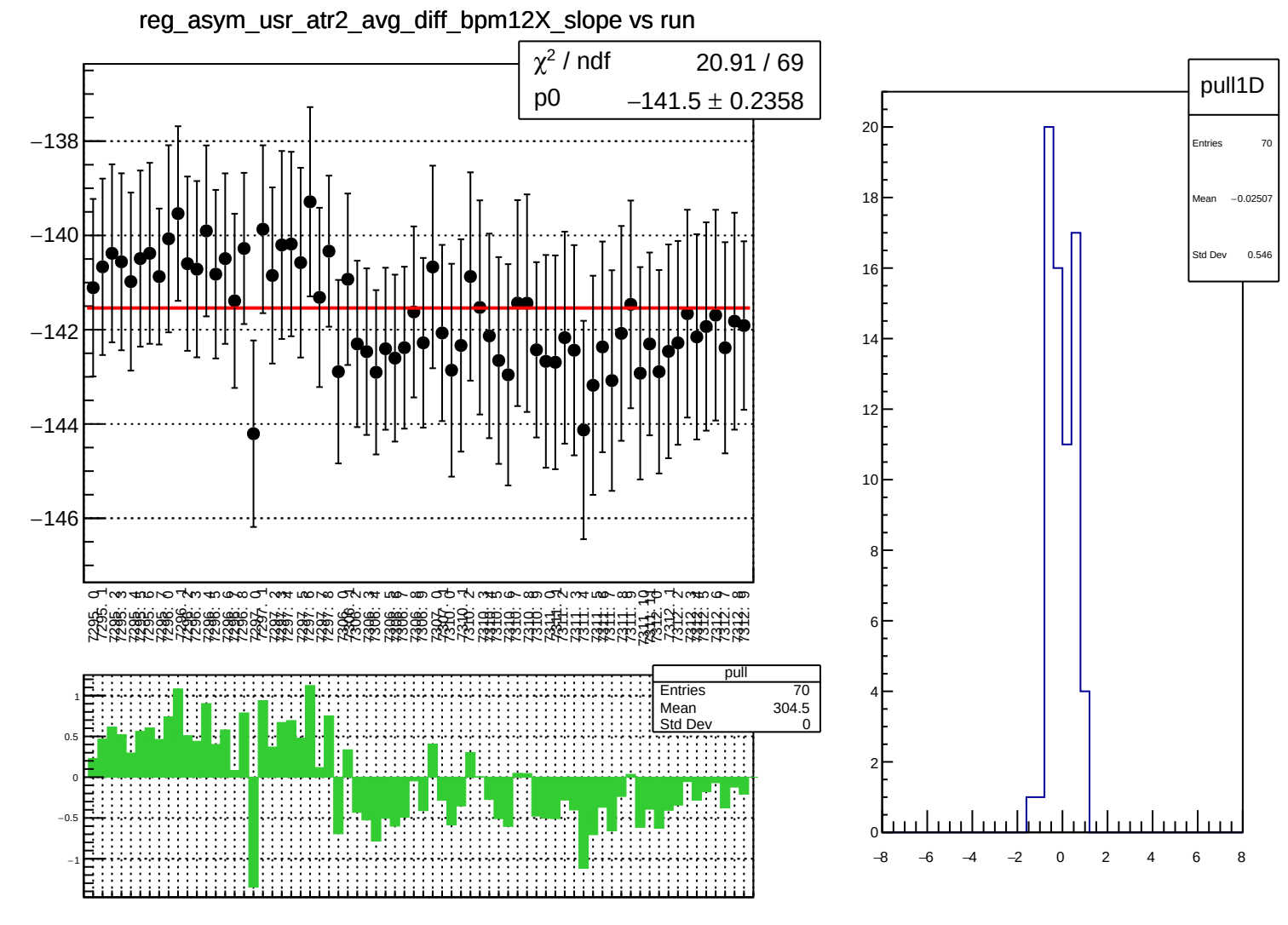

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 137.9 / 69
p0 −10.55 ± 0.05473
pull
Entries 70
Mean 6.712
Std Dev 37.14
pull1D
Entries 70
Mean −0.07485
Std Dev 1.401

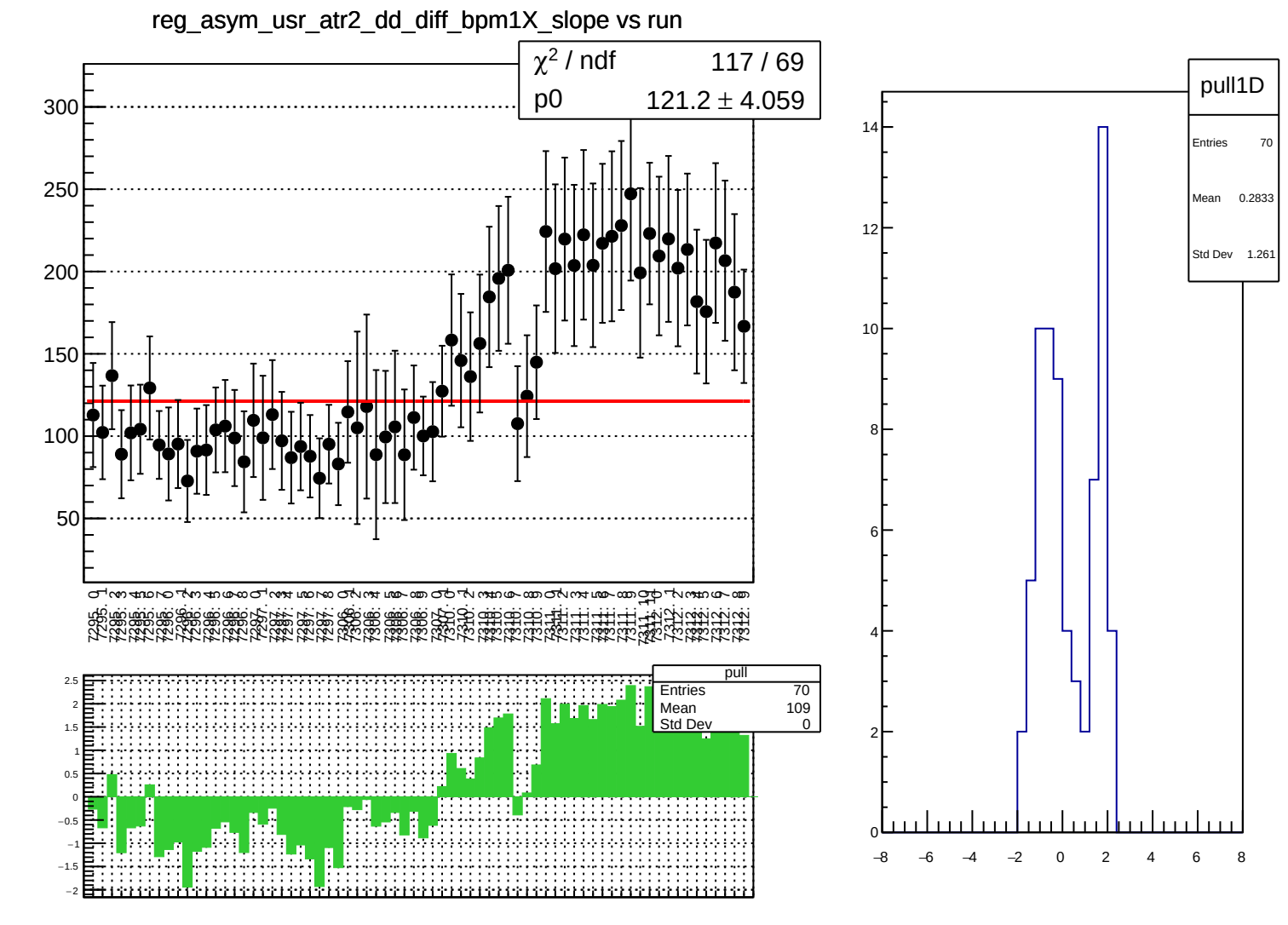

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 165 / 69
p0 −142.8 ± 5.603
pull
Entries 70
Mean 111.1
Std Dev 0
pull1D
Entries 70
Mean −0.328
Std Dev 1.5

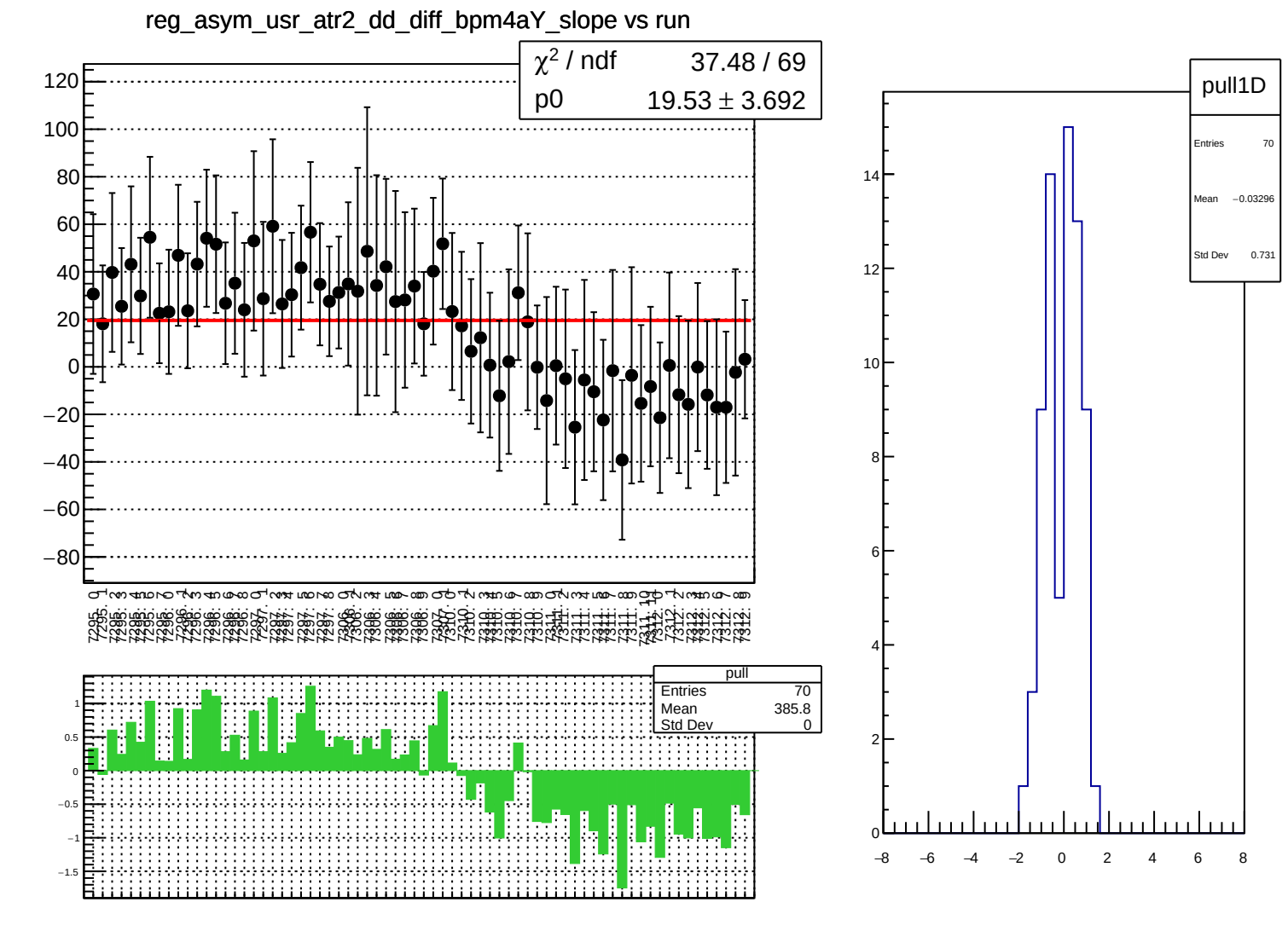

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.99 / 69
p0 −35.03 ± 5.09
pull
Entries 70
Mean 347.9
Std Dev 0
pull1D
Entries 70
Mean 0.0423
Std Dev 0.844

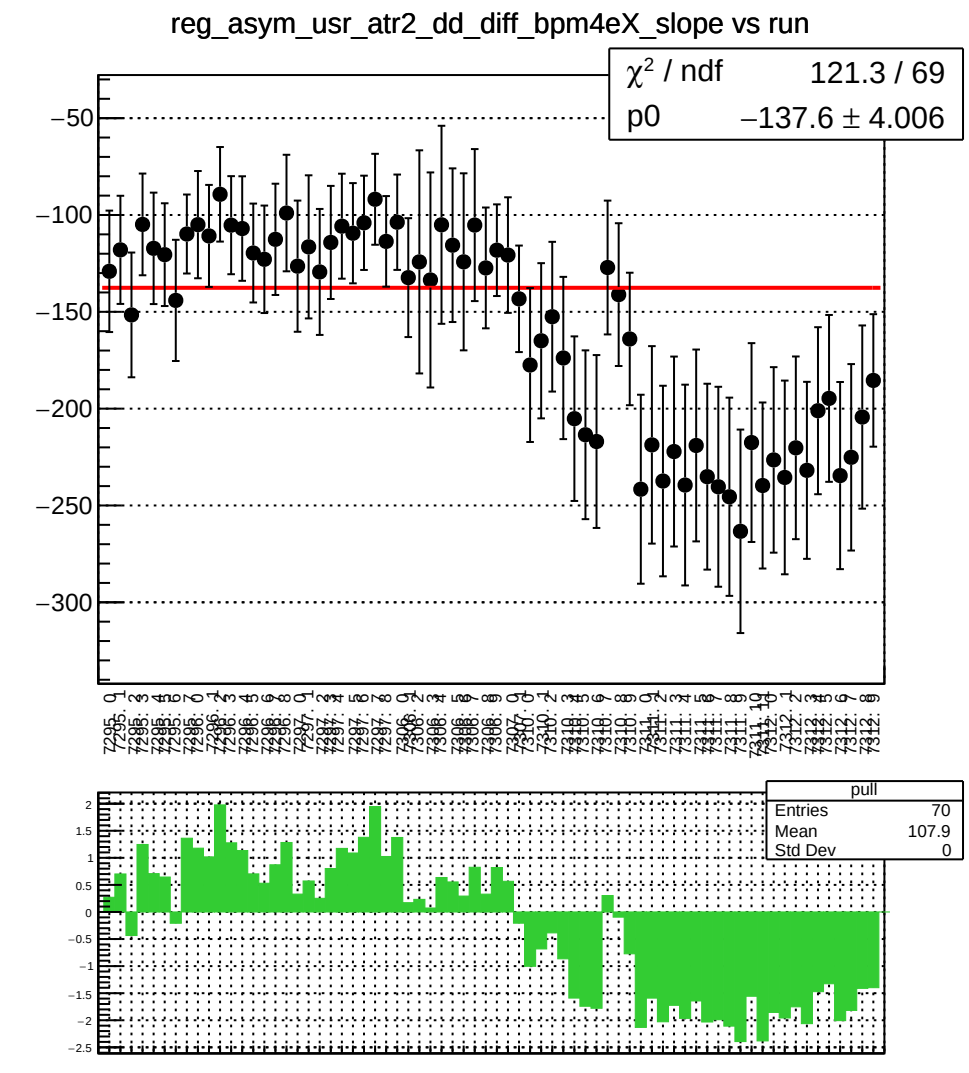

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 171.4 / 69
p0 216.3 ± 5.531
pull
Entries 70
Mean 109.8
Std Dev 0
pull1D
Entries 70
Mean 0.344
Std Dev 1.527

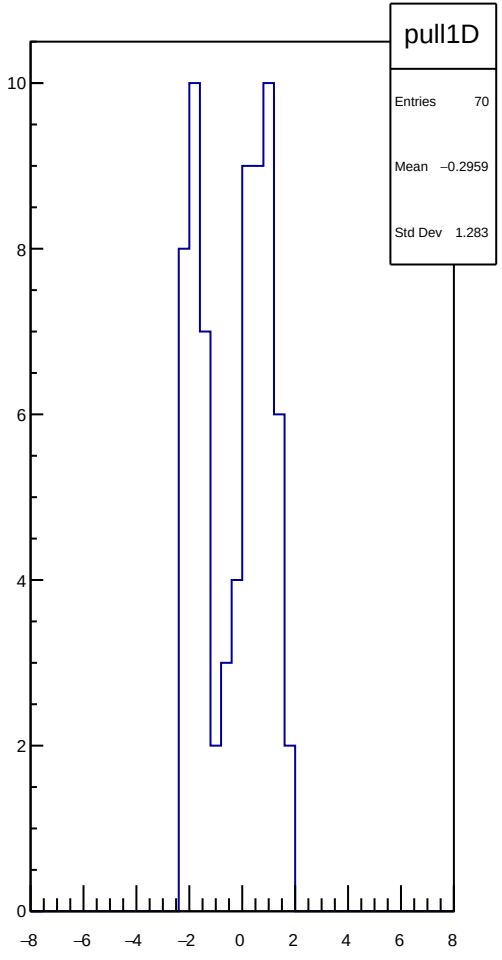

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.81 / 69
p0 109.6 ± 5.463
pull
Entries 70
Mean 262.2
Std Dev 0
pull1D
Entries 70
Mean −0.06042
Std Dev 0.8747

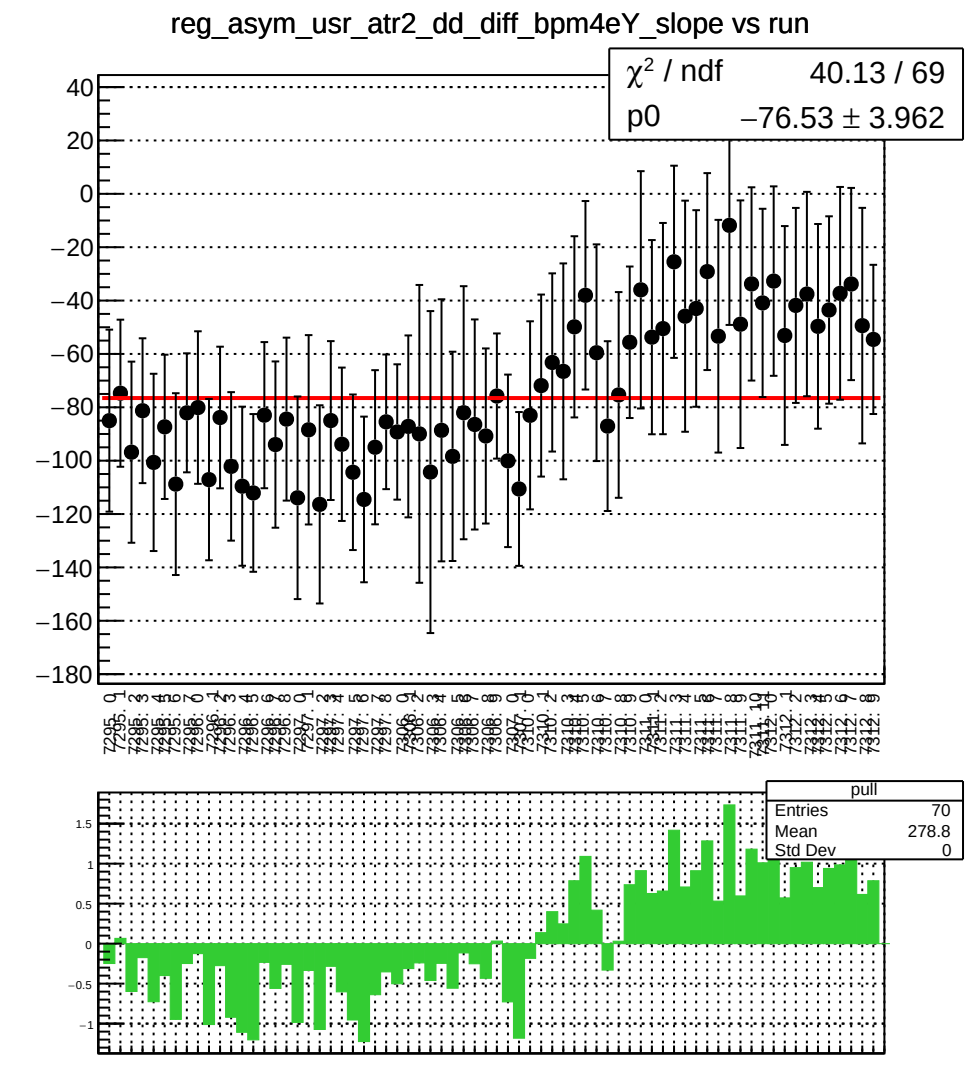

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 20.91 / 69
p0 −141.5 ± 0.2358
−138
−140
−142
−144
−146
pull
Entries 70
Mean 304.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 70
Mean −0.02507
Std Dev 0.546
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

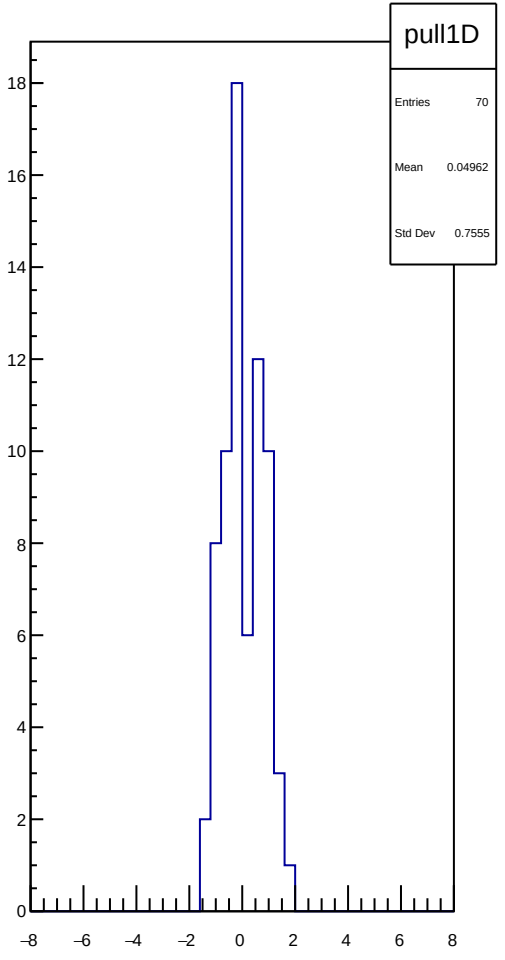

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 117 / 69
p0 121.2 ± 4.059
pull
Entries 70
Mean 109
Std Dev 0
pull1D
Entries 70
Mean 0.2833
Std Dev 1.261

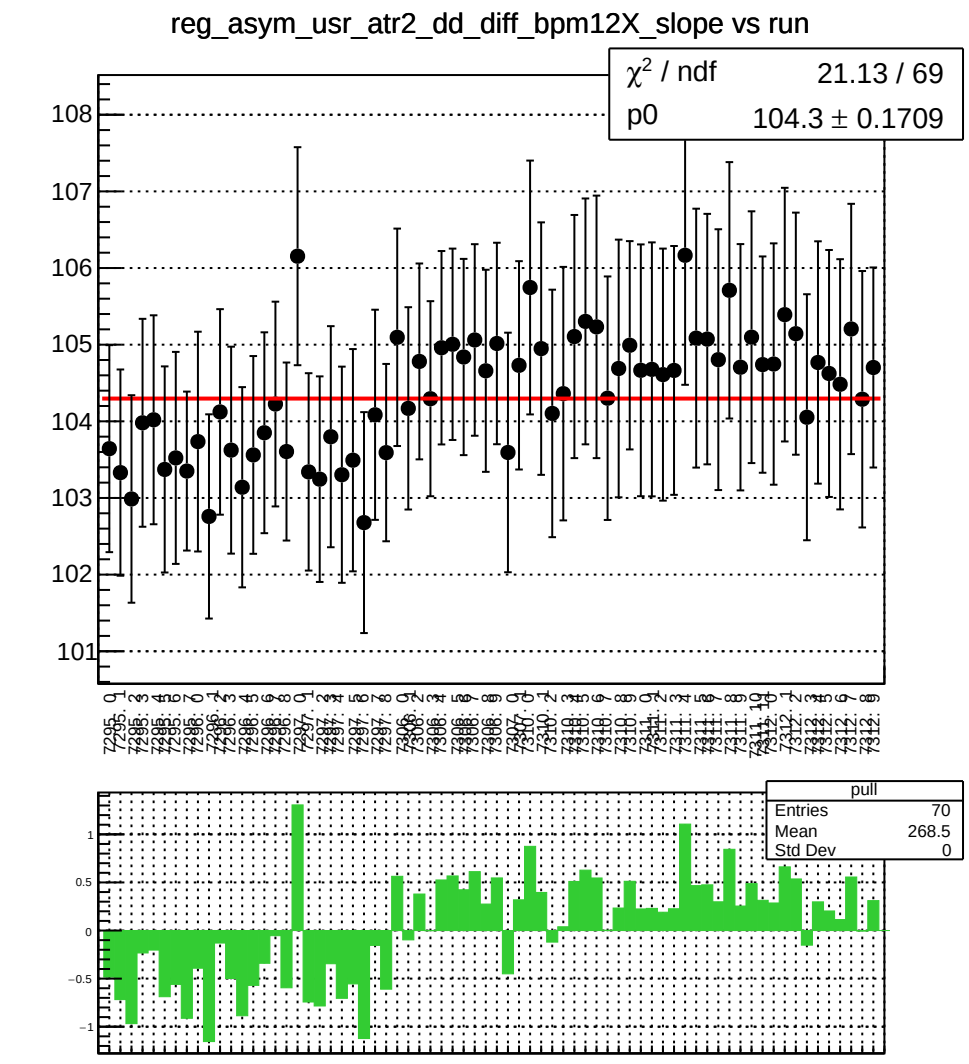

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.48 / 69
p0 19.53 ± 3.692
pull
Entries 70
Mean 385.8
Std Dev 0
pull1D
Entries 70
Mean −0.03296
Std Dev 0.731

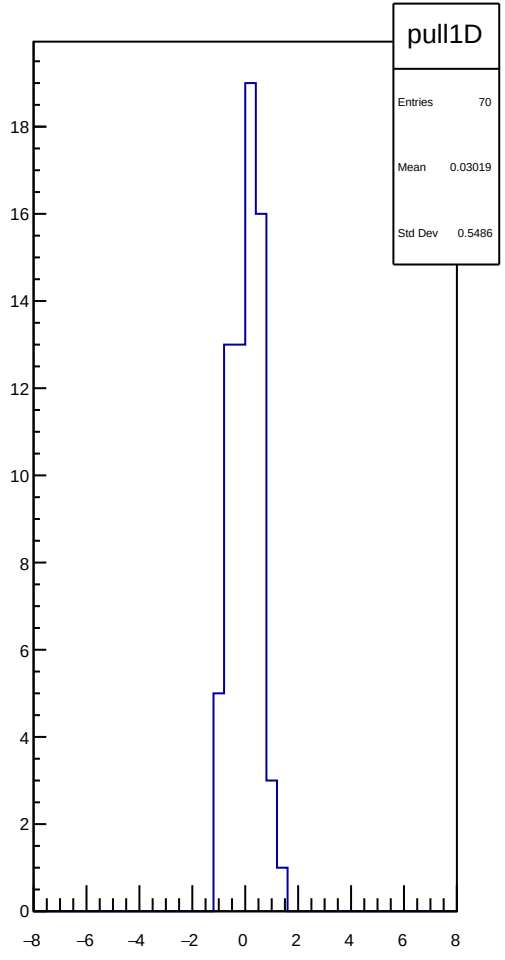

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 121.3 / 69
p0 −137.6 ± 4.006
pull
Entries 70
Mean 107.9
Std Dev 0

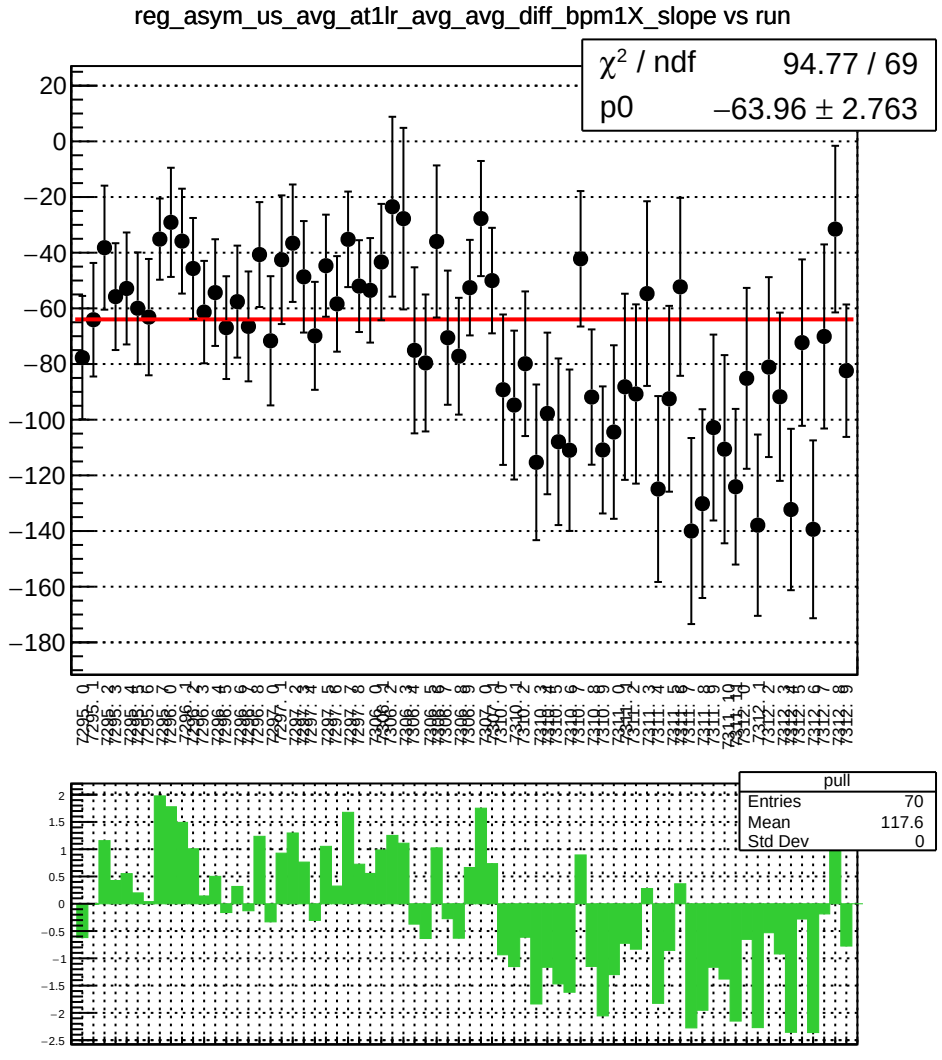

pull1D
Entries 70
Mean −0.2959
Std Dev 1.283

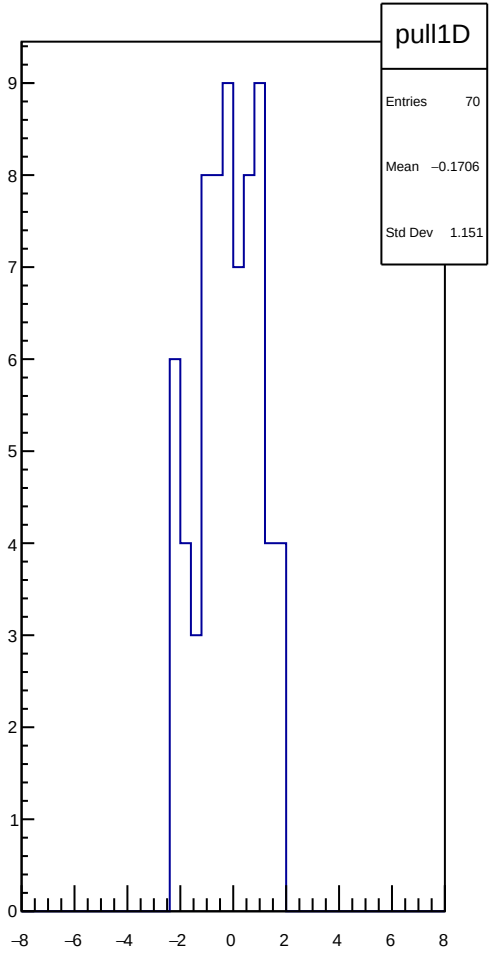

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.13 / 69
p0 −76.53 ± 3.962
pull
Entries 70
Mean 278.8
Std Dev 0

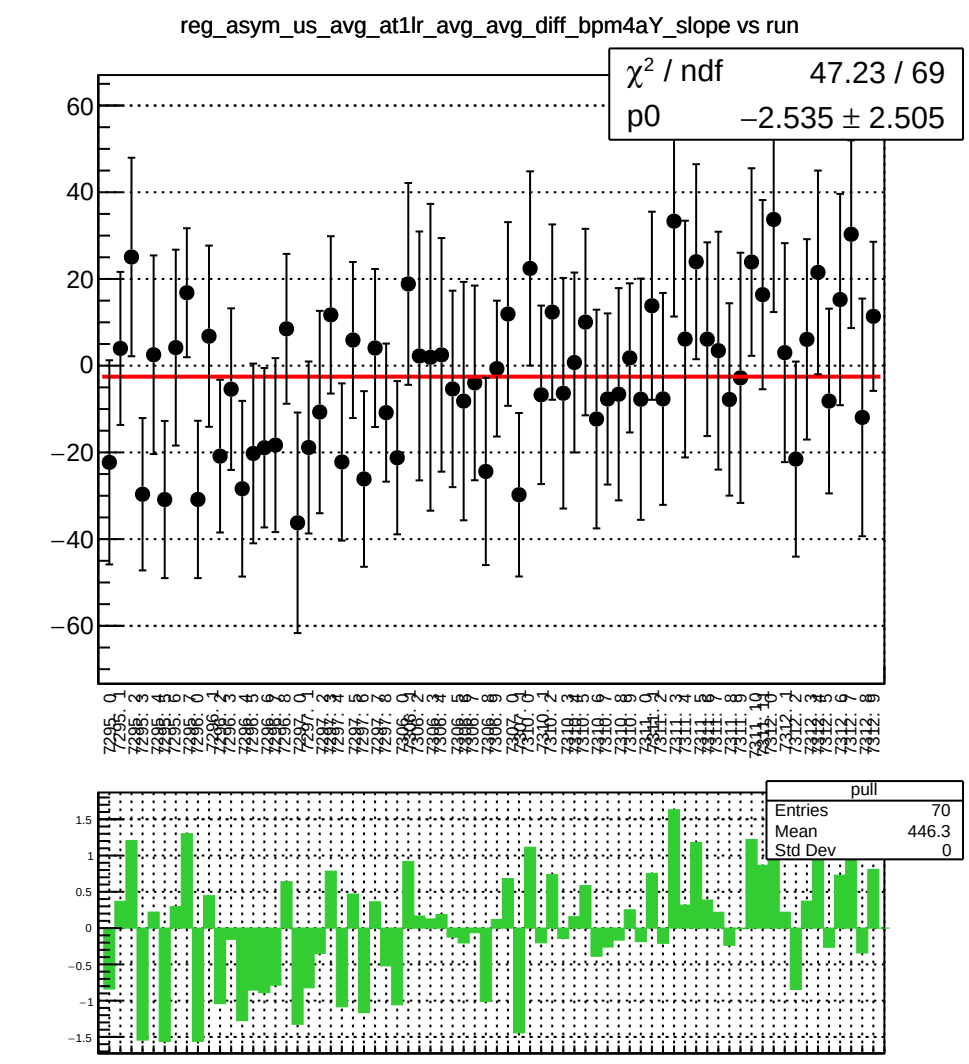

pull1D
Entries 70
Mean 0.04962
Std Dev 0.7555

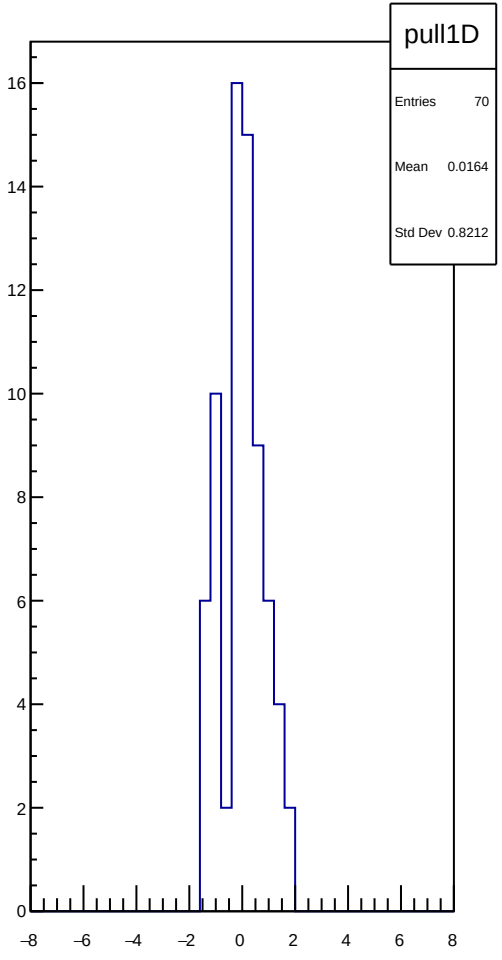

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.13 / 69
p0 104.3 ± 0.1709
pull
Entries 70
Mean 268.5
Std Dev 0

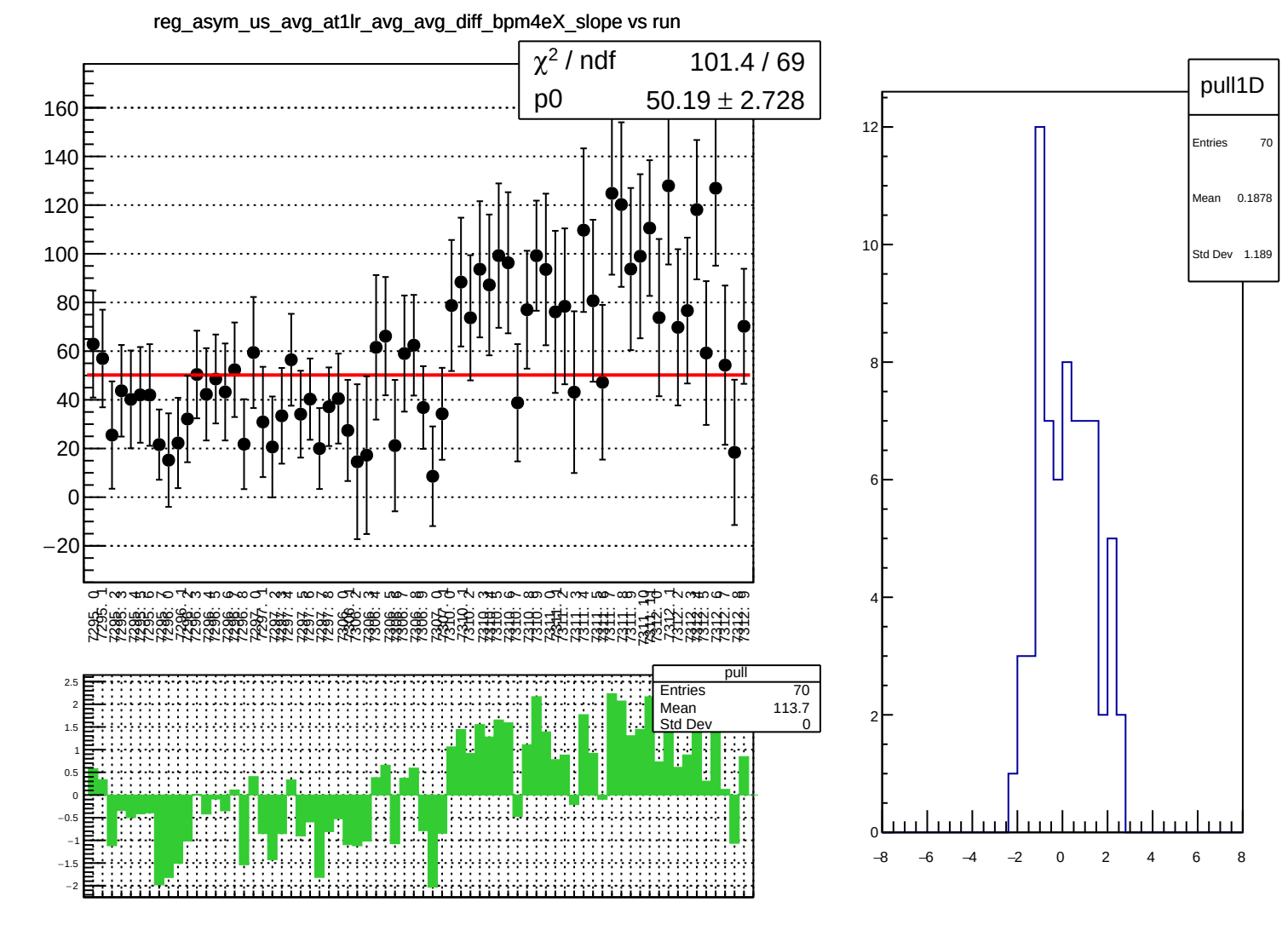

pull1D
Entries 70
Mean 0.03019
Std Dev 0.5486

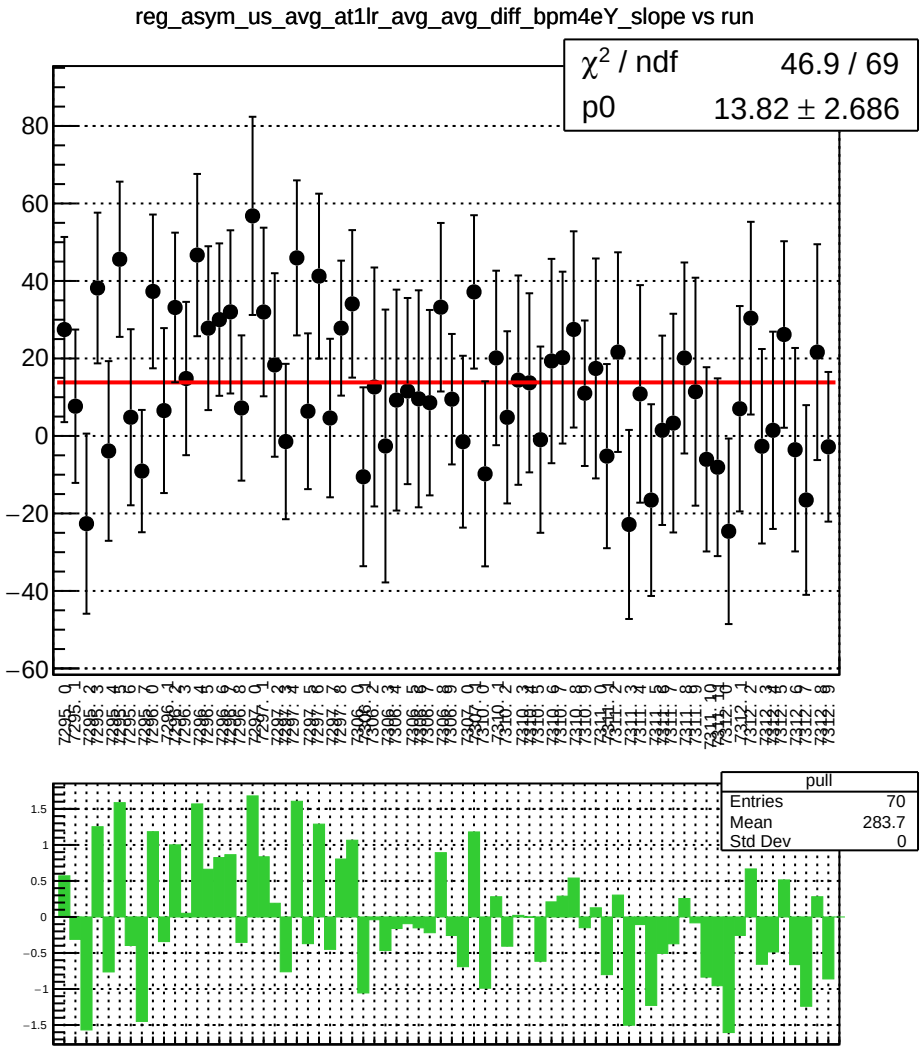

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 94.77 / 69
p0 −63.96 ± 2.763
pull
Entries 70
Mean 117.6
Std Dev 0

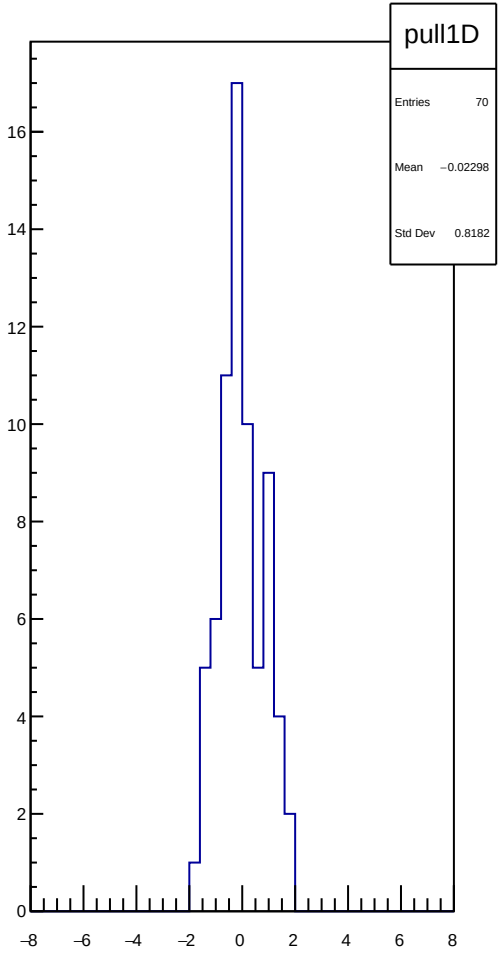

pull1D
Entries 70
Mean −0.1706
Std Dev 1.151

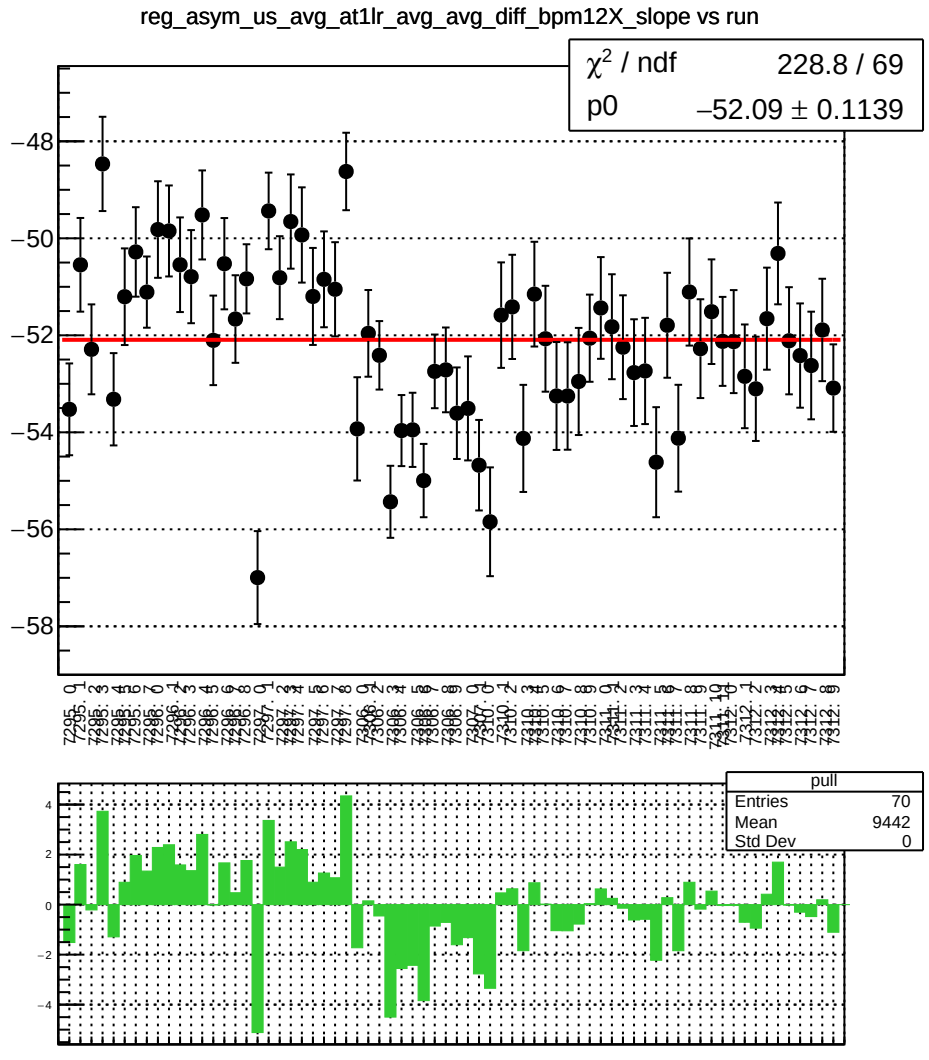

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.23 / 69
p0 −2.535 ± 2.505
pull
Entries 70
Mean 446.3
Std Dev 0

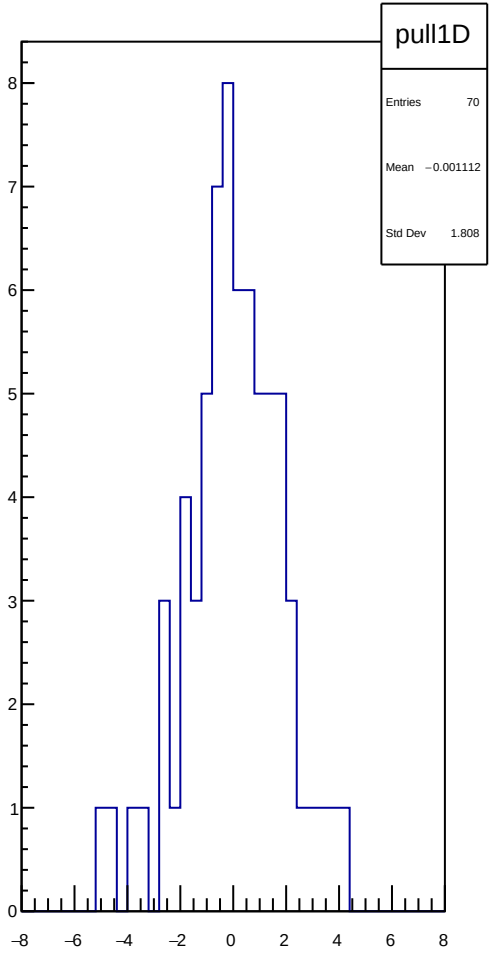

pull1D
Entries 70
Mean 0.0164
Std Dev 0.8212

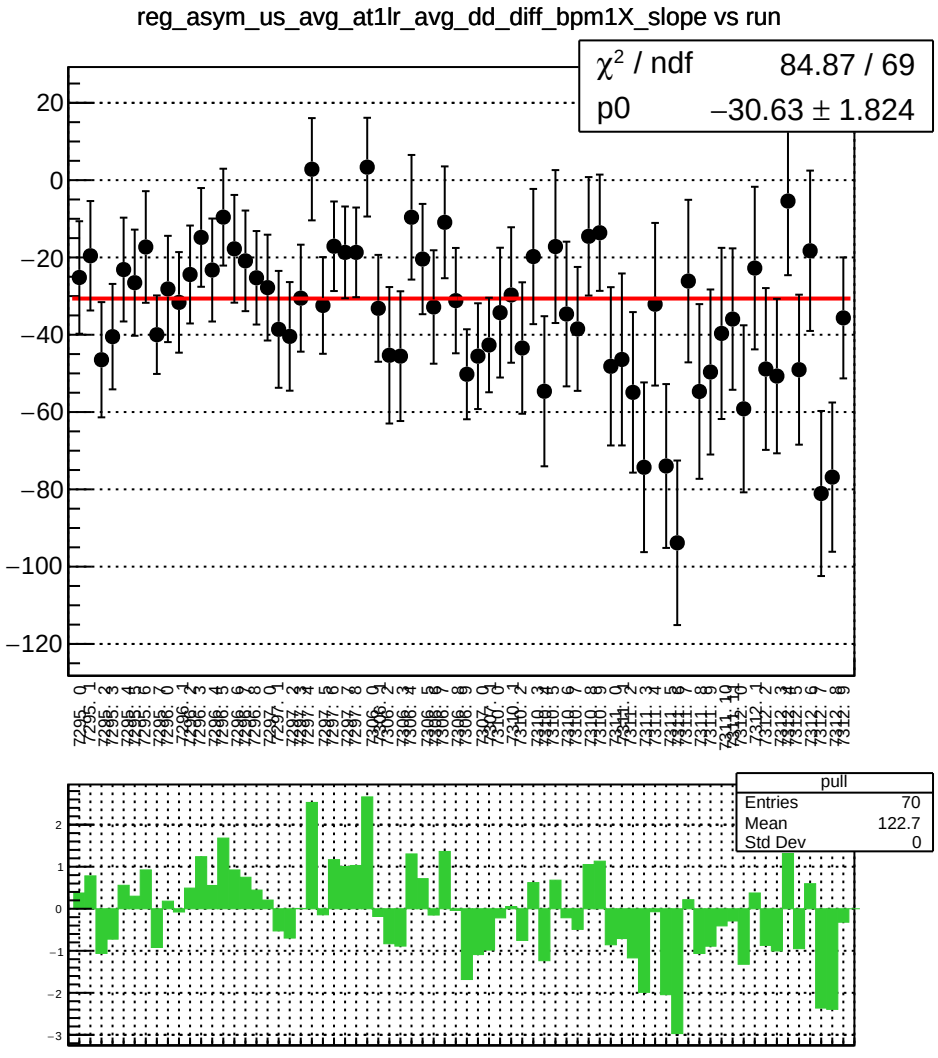

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.4 / 69
p0 50.19 ± 2.728
pull
Entries 70
Mean 113.7
Std Dev 0
pull1D
Entries 70
Mean 0.1878
Std Dev 1.189

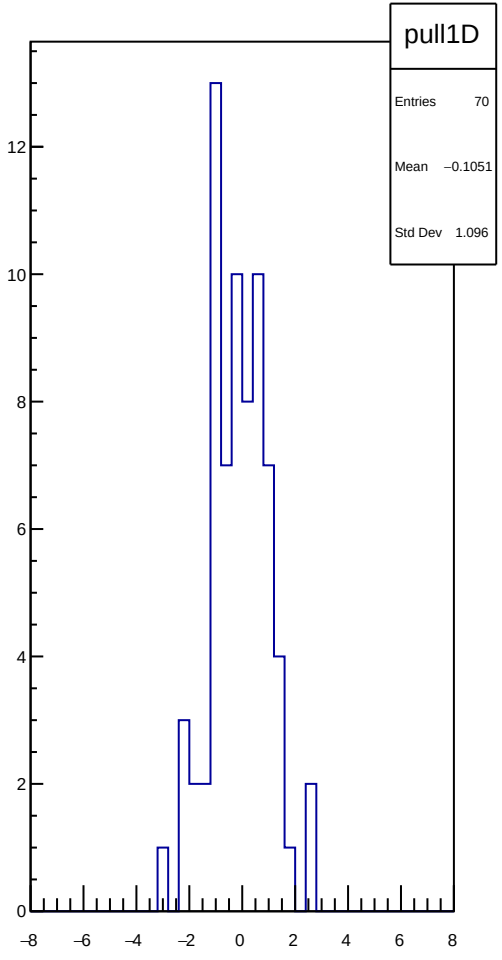

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.9 / 69
p0 13.82 ± 2.686
pull
Entries 70
Mean 283.7
Std Dev 0

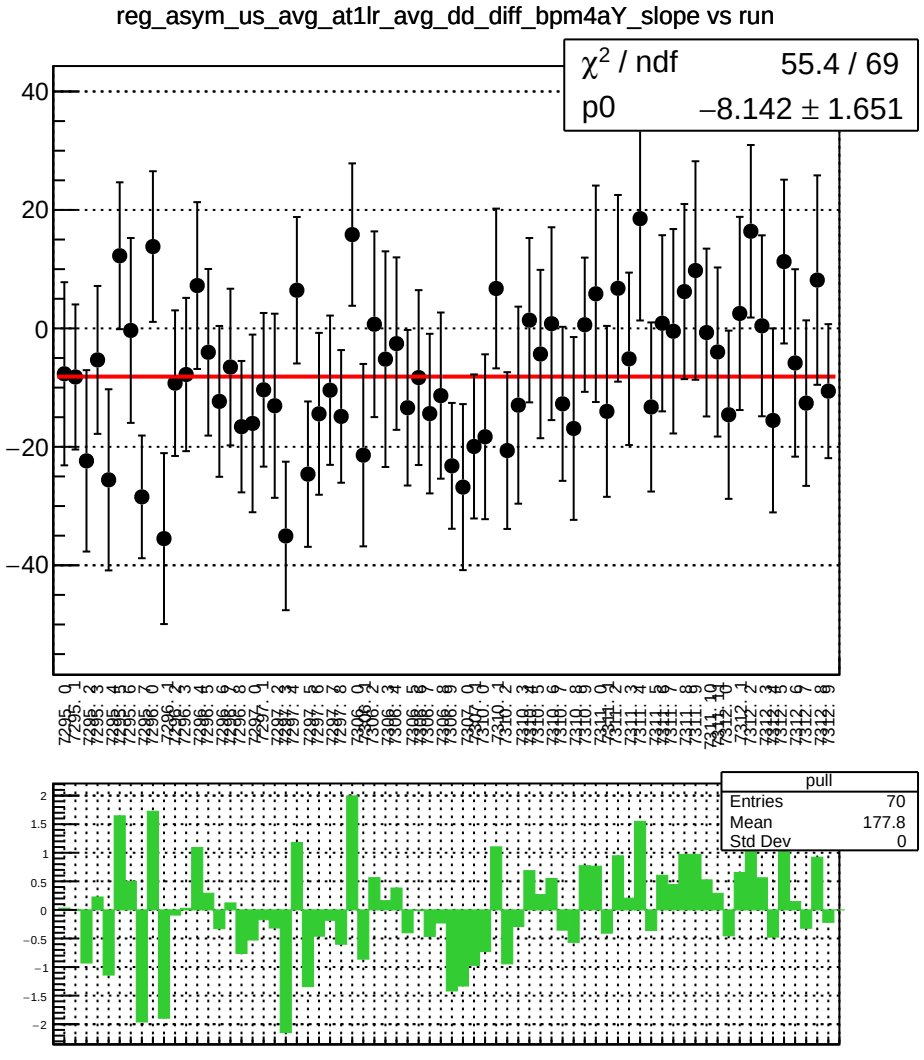

pull1D
Entries 70
Mean −0.02298
Std Dev 0.8182

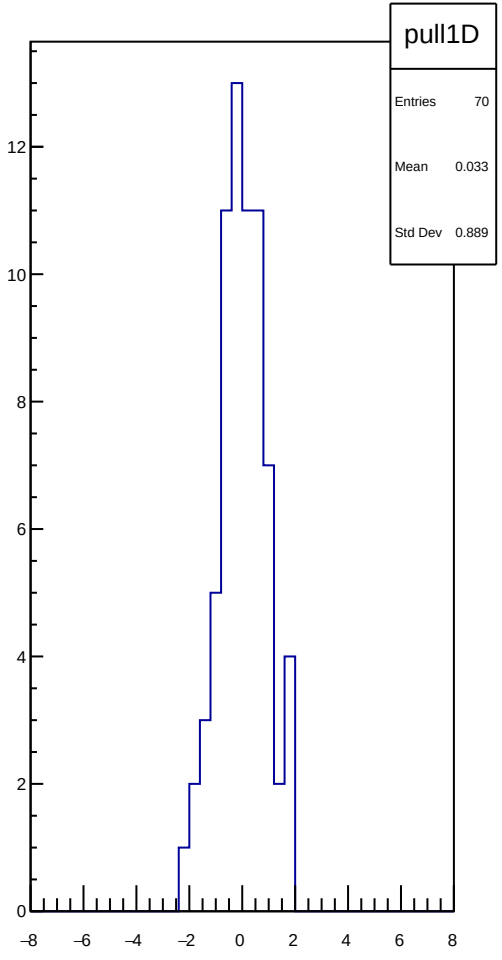

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 228.8 / 69
p0 −52.09 ± 0.1139
pull
Entries 70
Mean 9442
Std Dev 0

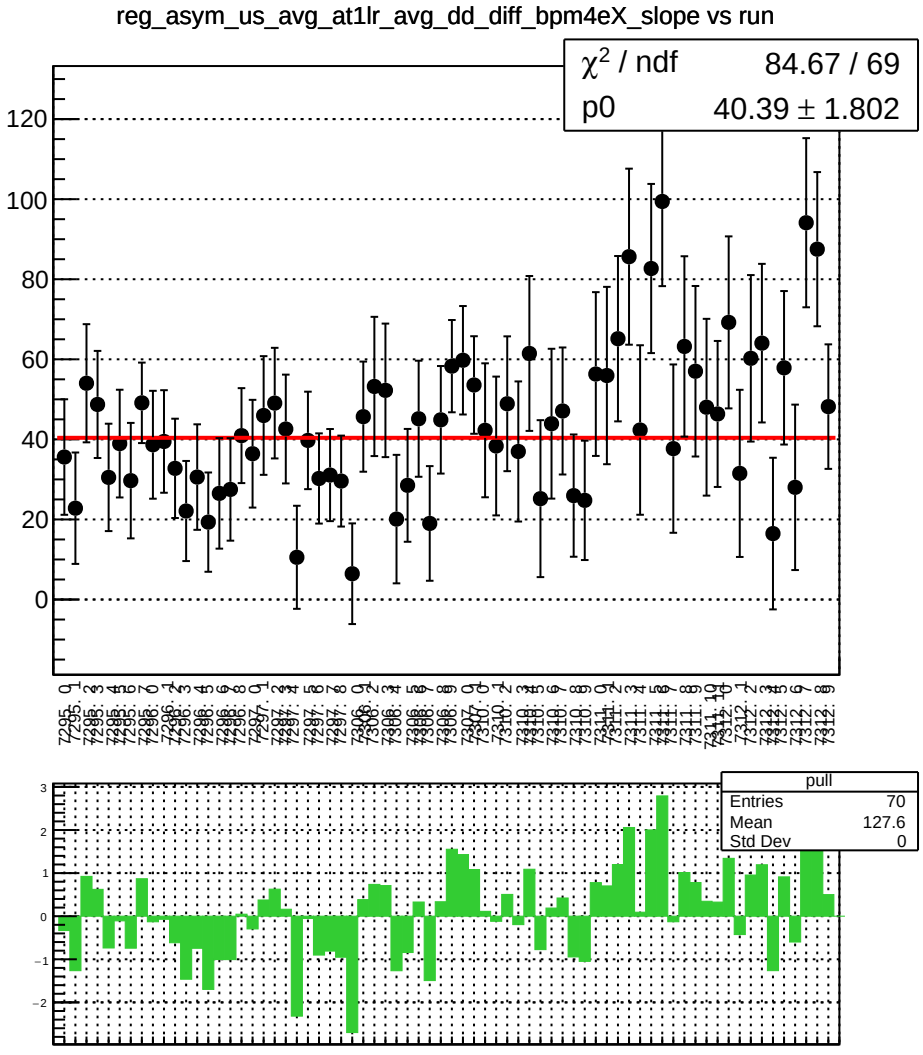

pull1D
Entries 70
Mean −0.001112
Std Dev 1.808

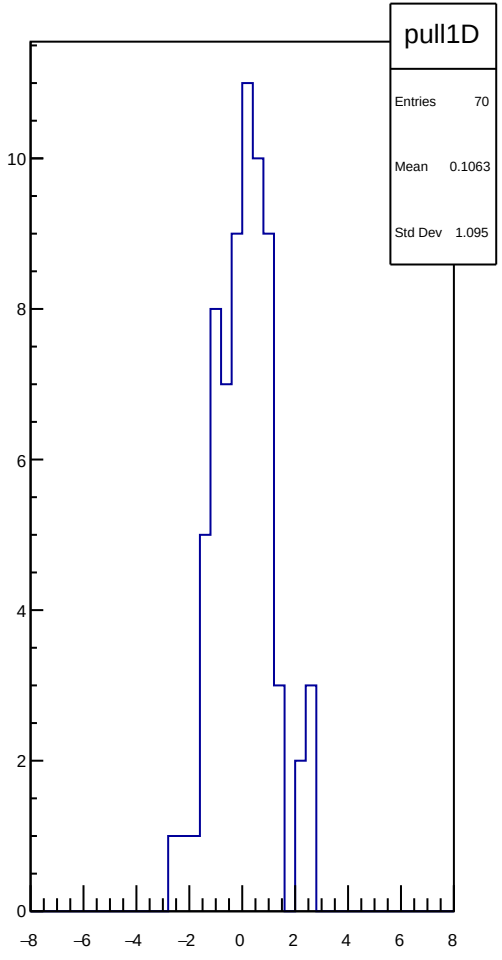

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 84.87 / 69
p0 −30.63 ± 1.824
pull
Entries 70
Mean 122.7
Std Dev 0

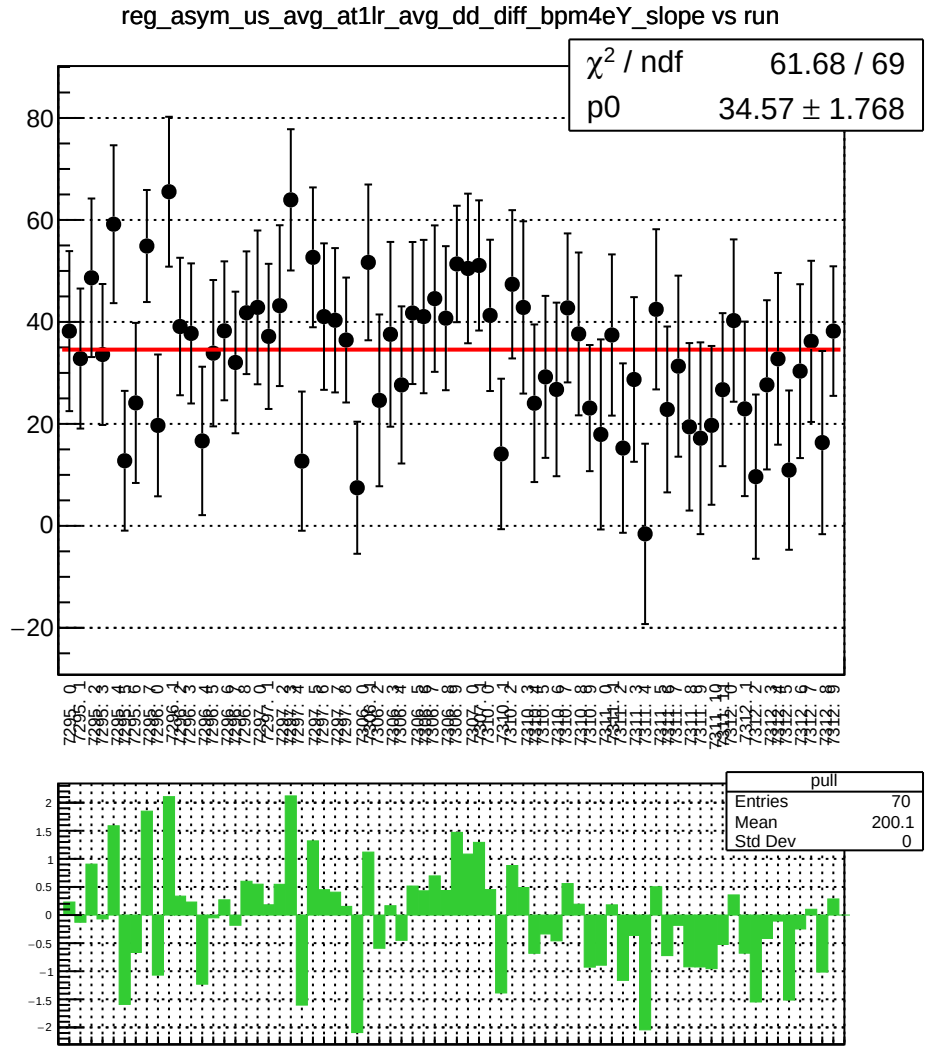

pull1D
Entries 70
Mean −0.1051
Std Dev 1.096

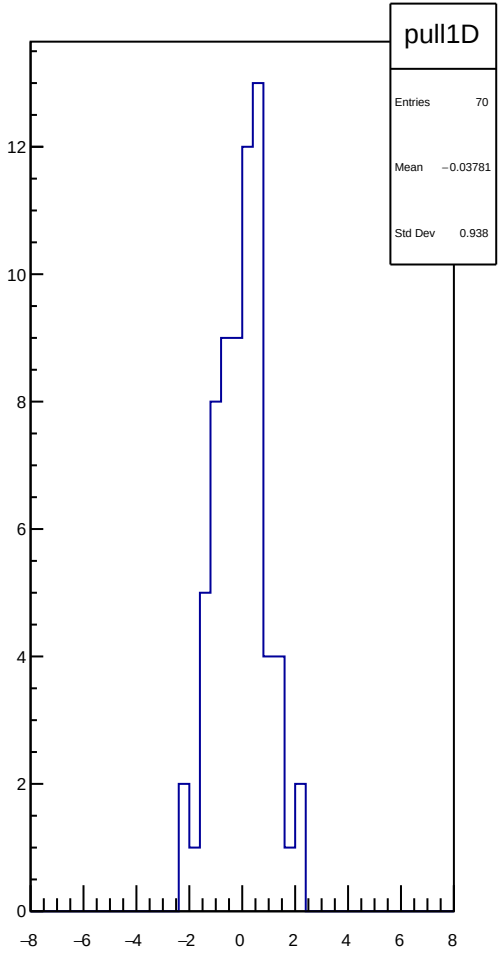

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.4 / 69
p0 −8.142 ± 1.651
pull
Entries 70
Mean 177.8
Std Dev 0

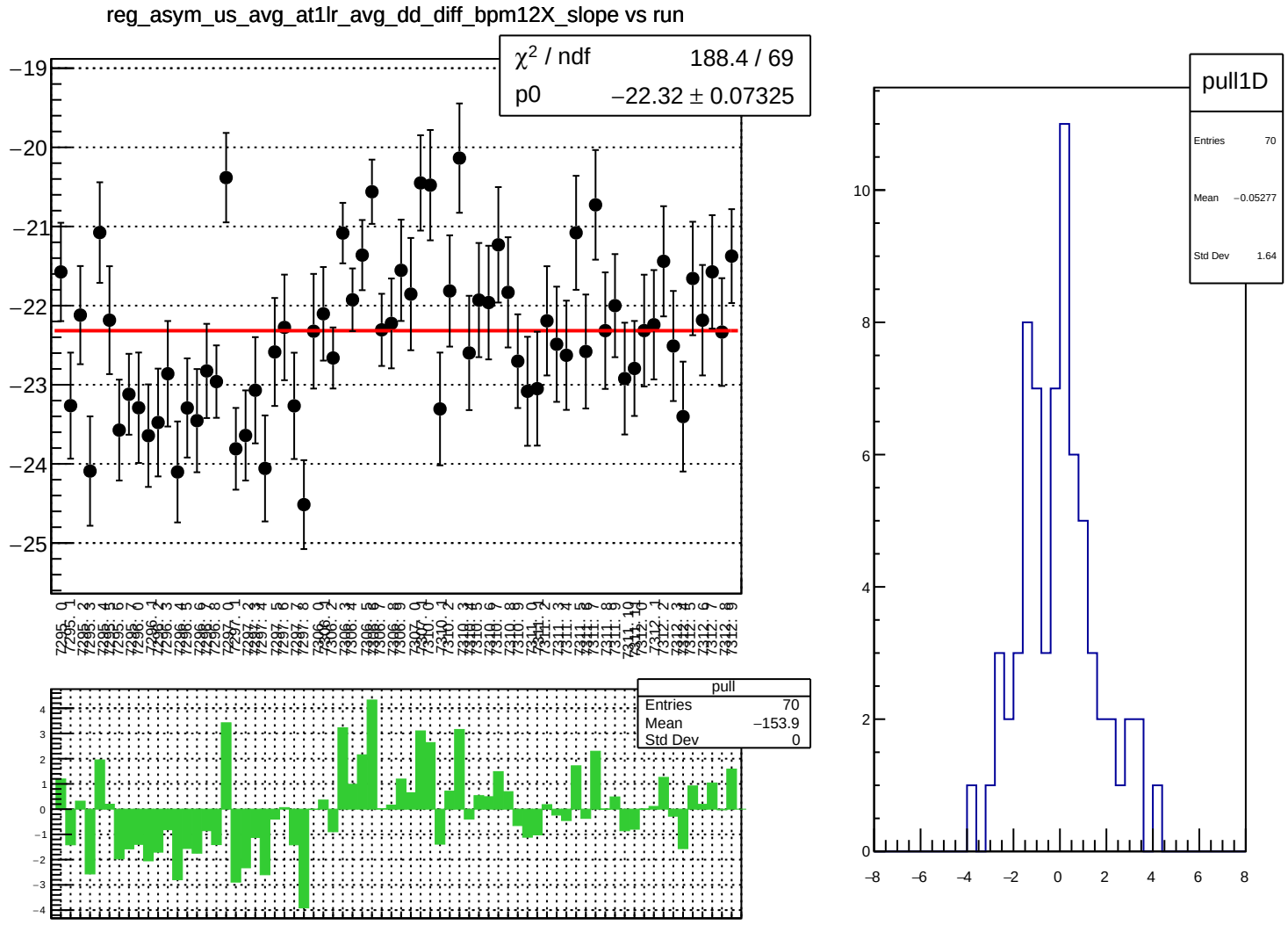

pull1D
Entries 70
Mean 0.033
Std Dev 0.889

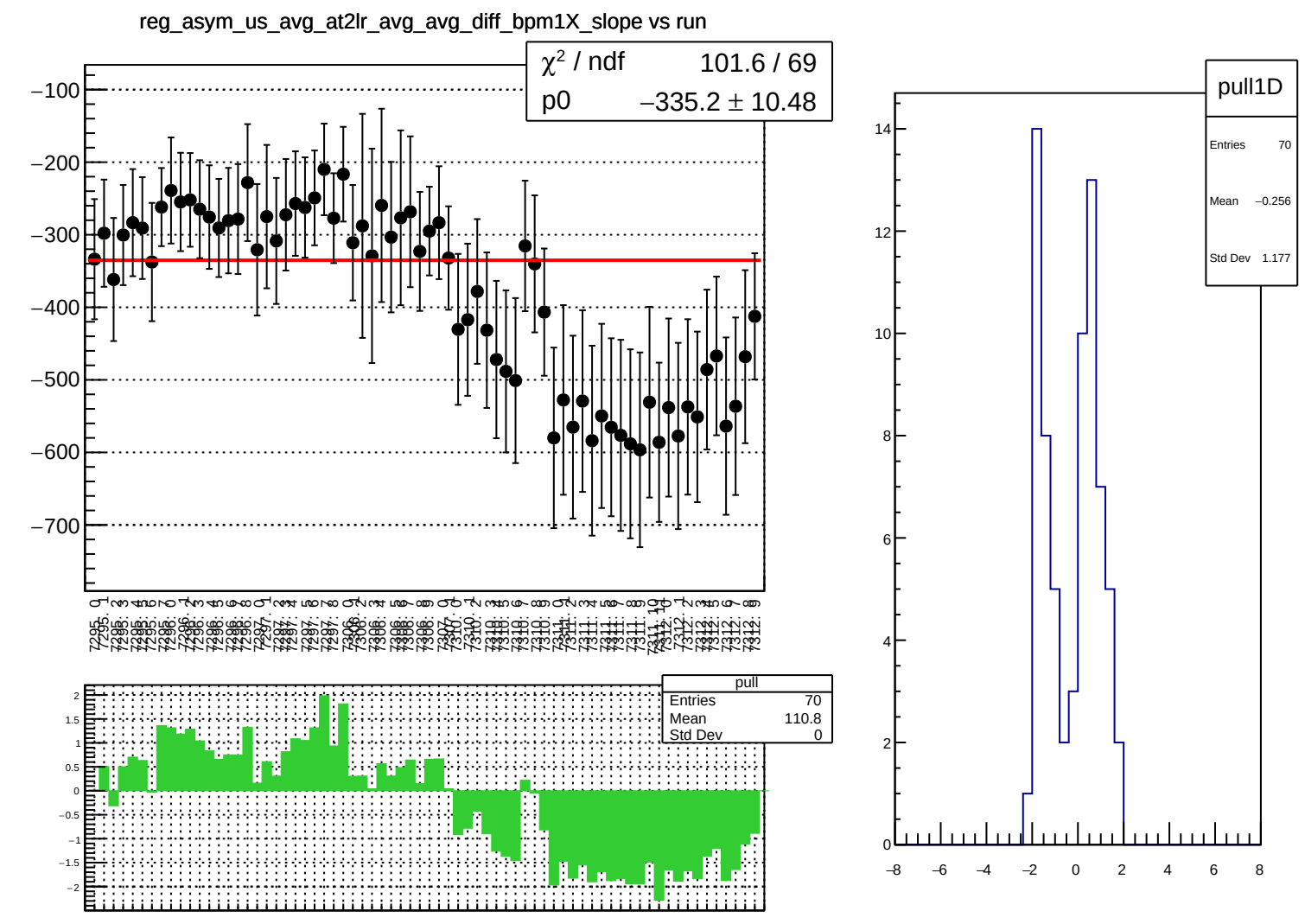

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.67 / 69
p0 40.39 ± 1.802
pull
Entries 70
Mean 127.6
Std Dev 0

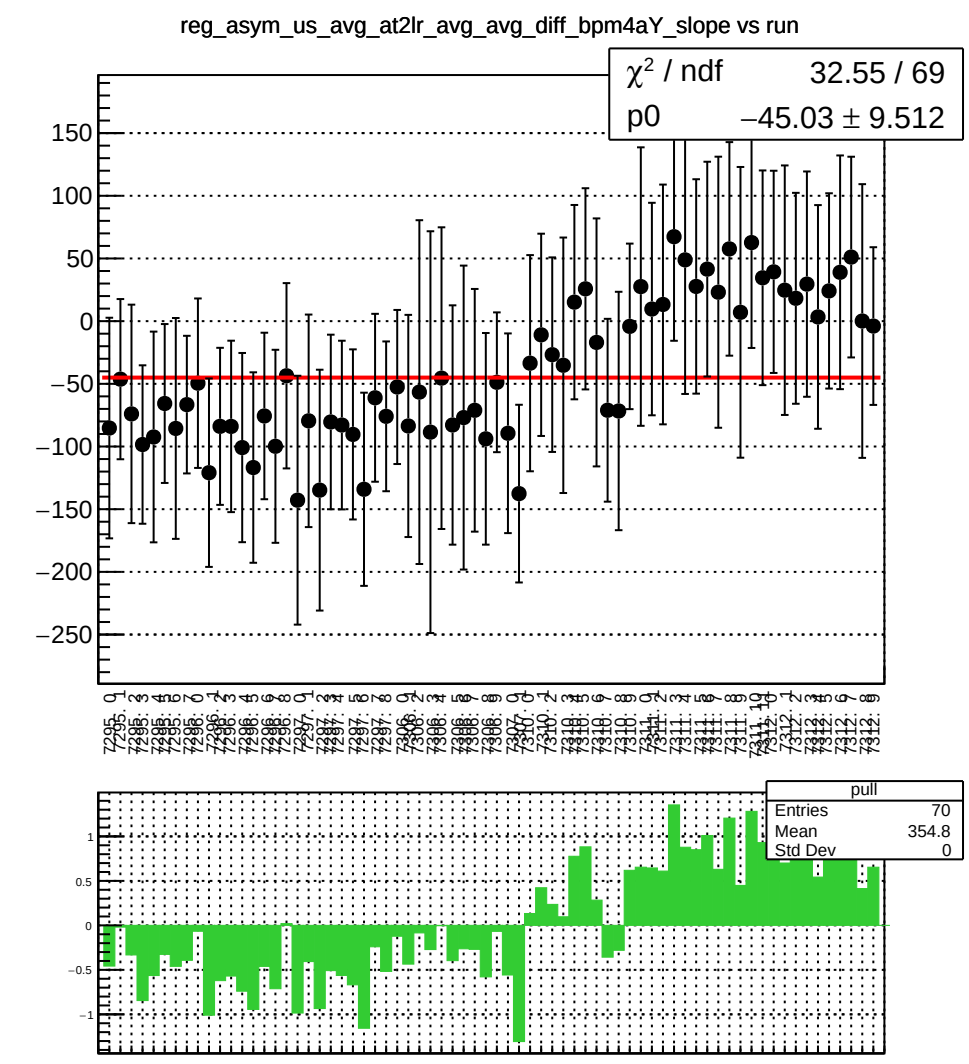

pull1D
Entries 70
Mean 0.1063
Std Dev 1.095

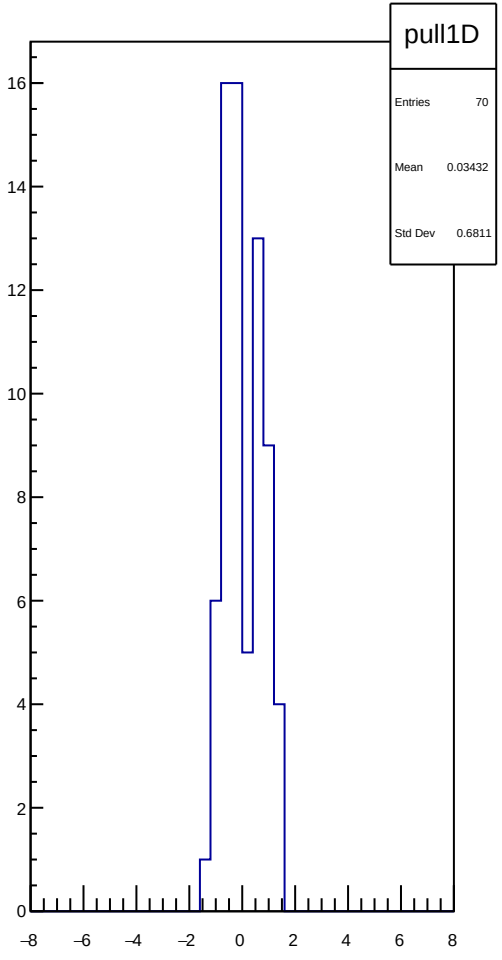

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.68 / 69
p0 34.57 ± 1.768
pull
Entries 70
Mean 200.1
Std Dev 0

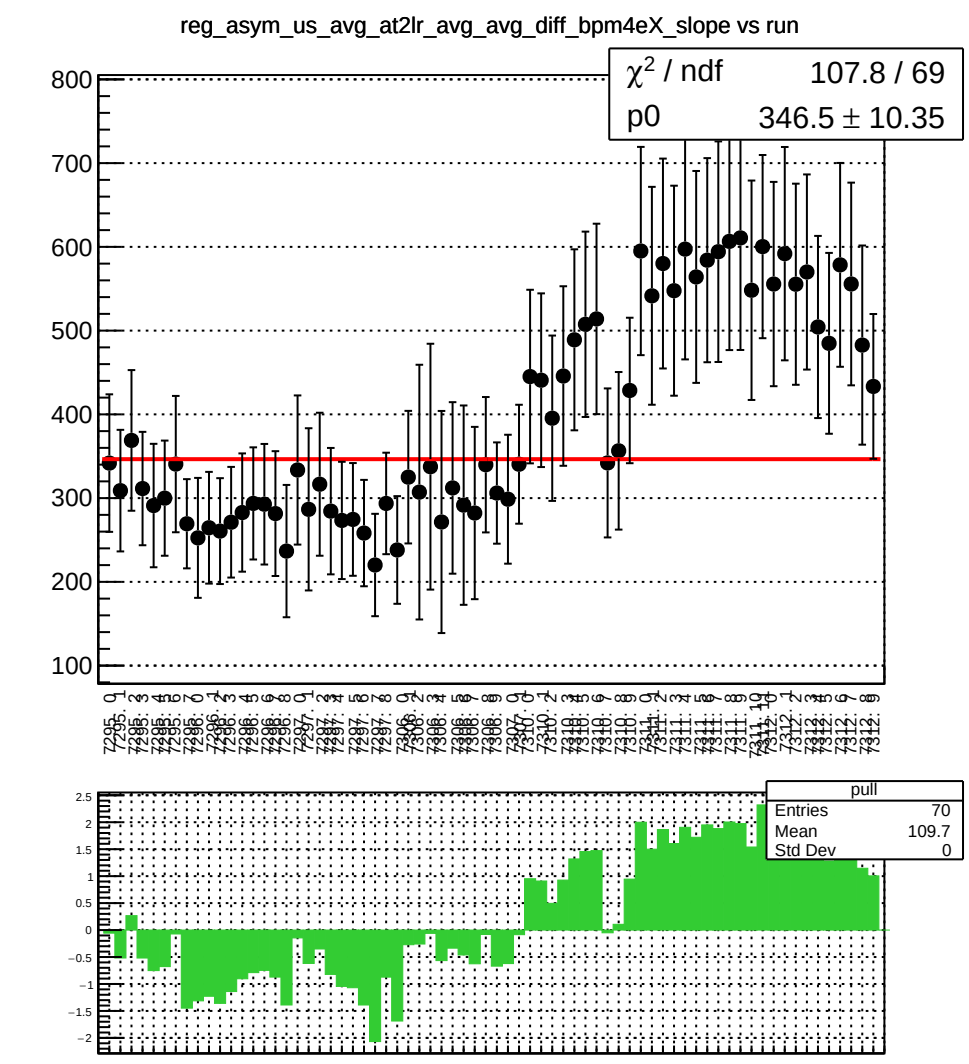

pull1D
Entries 70
Mean −0.03781
Std Dev 0.938

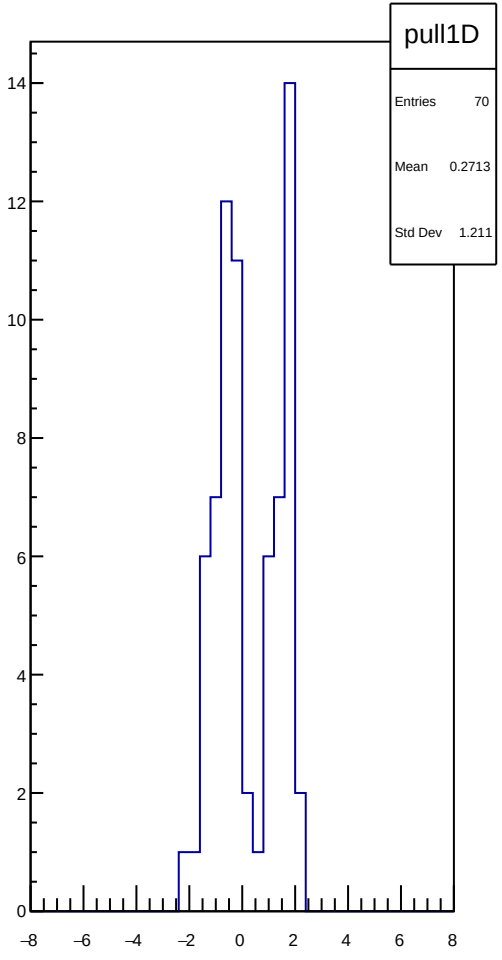

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 188.4 / 69
p0 −22.32 ± 0.07325
pull
Entries 70
Mean −153.9
Std Dev 0
pull1D
Entries 70
Mean −0.05277
Std Dev 1.64

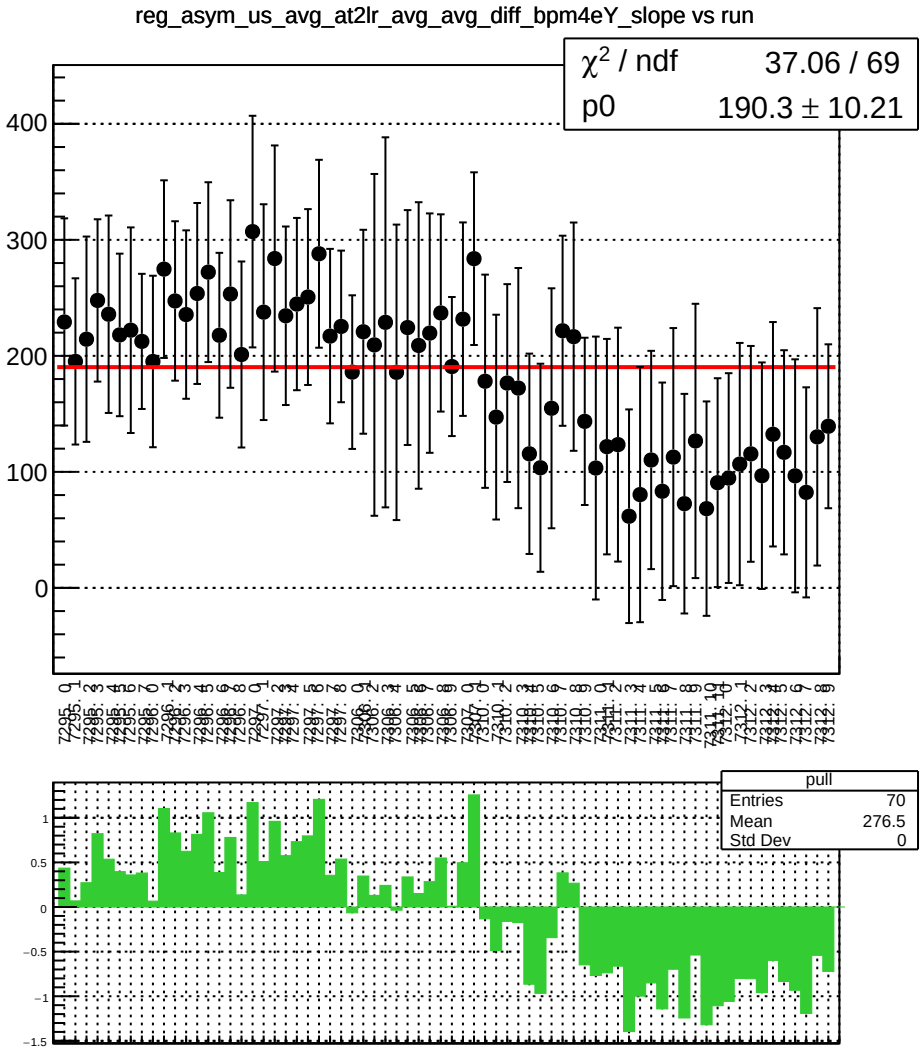

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 101.6 / 69
p0 −335.2 ± 10.48
pull
Entries 70
Mean 110.8
Std Dev 0
pull1D
Entries 70
Mean −0.256
Std Dev 1.177

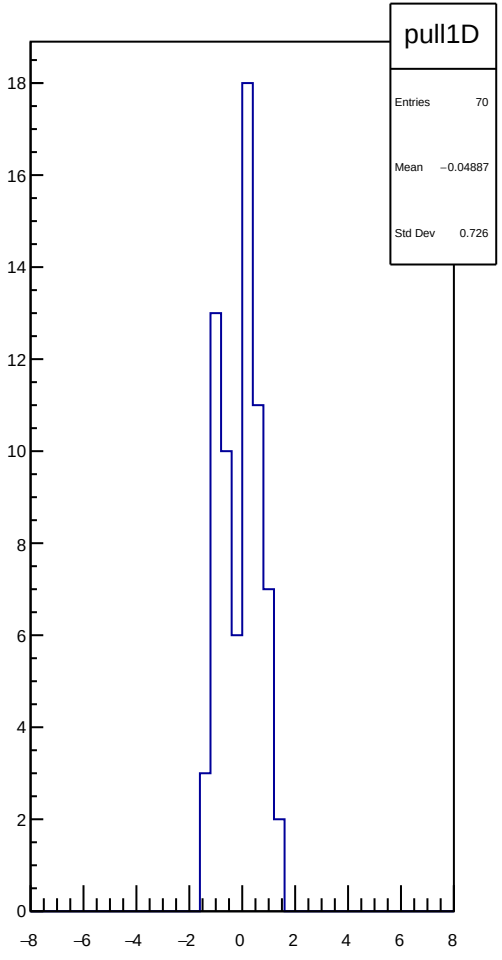

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.55 / 69
p0 −45.03 ± 9.512
pull
Entries 70
Mean 354.8
Std Dev 0

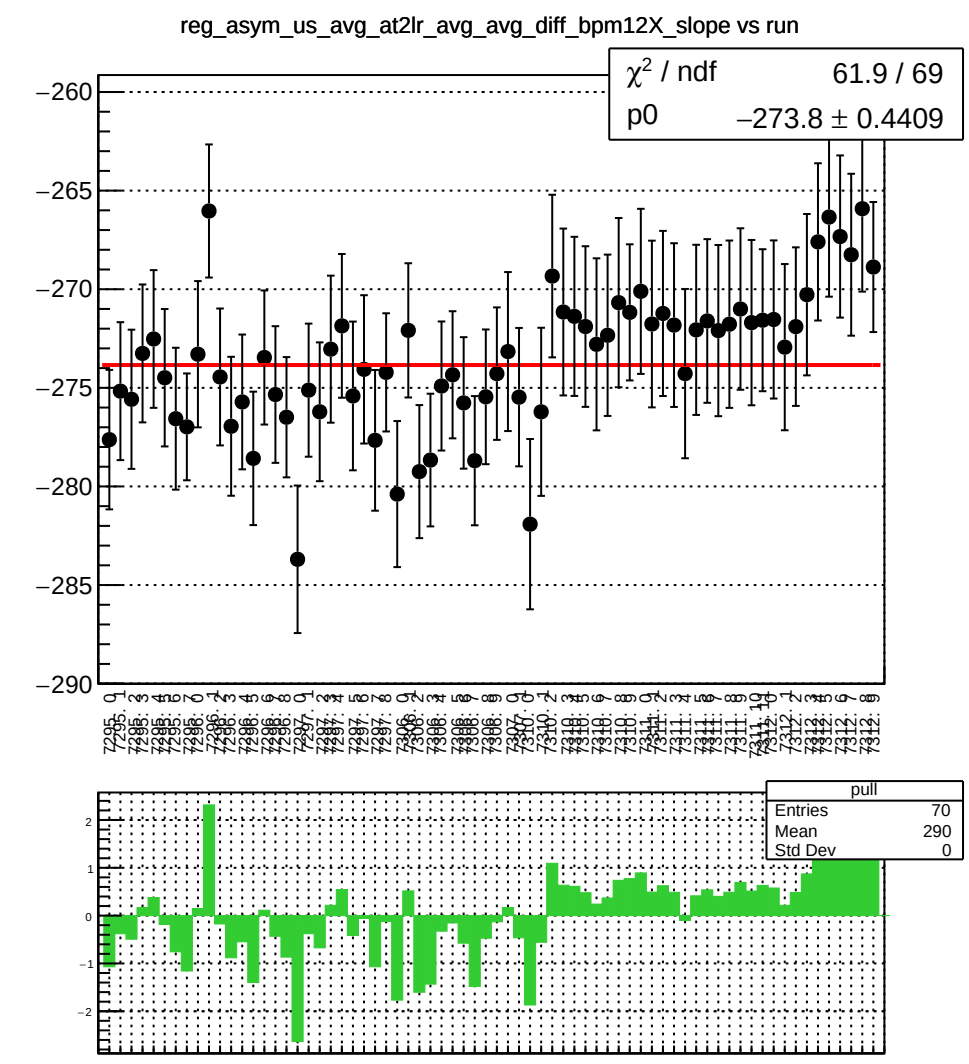

pull1D
Entries 70
Mean 0.03432
Std Dev 0.6811

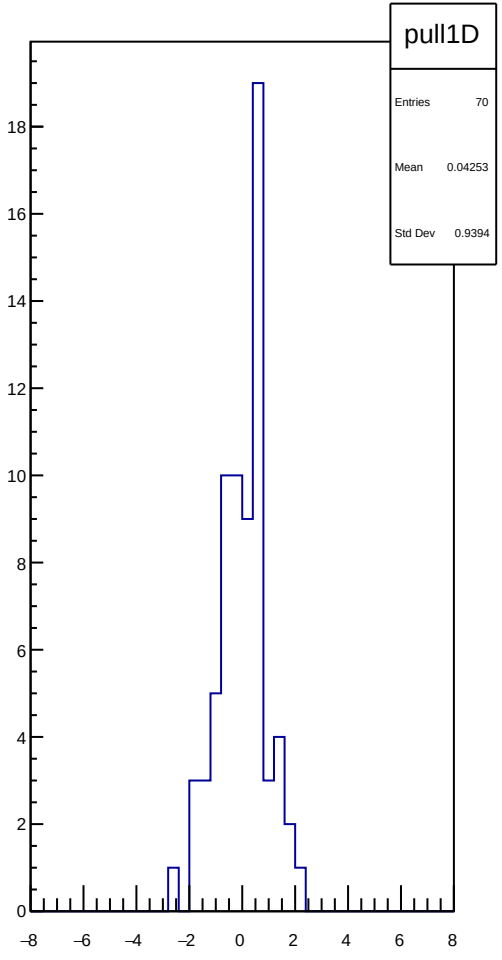

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.8 / 69
p0 346.5 ± 10.35
pull
Entries 70
Mean 109.7
Std Dev 0

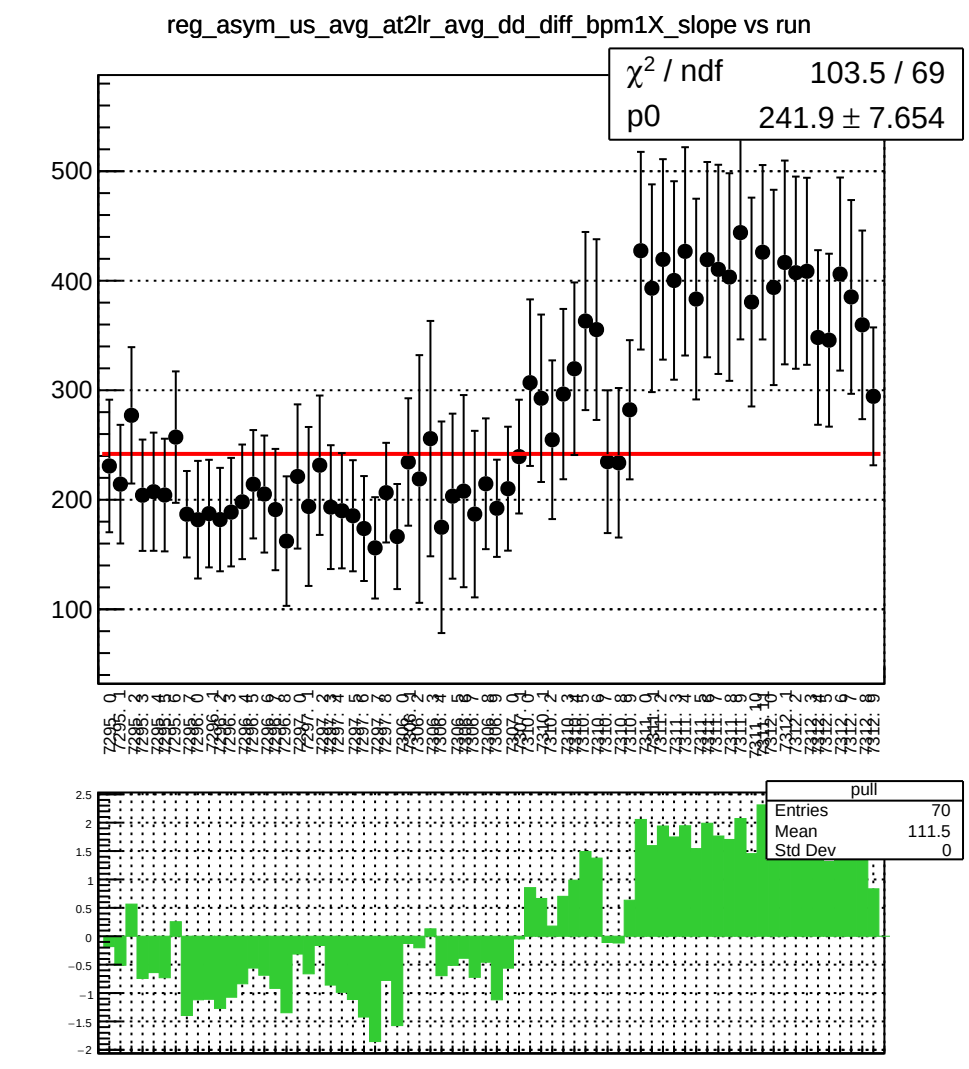

pull1D
Entries 70
Mean 0.2713
Std Dev 1.211

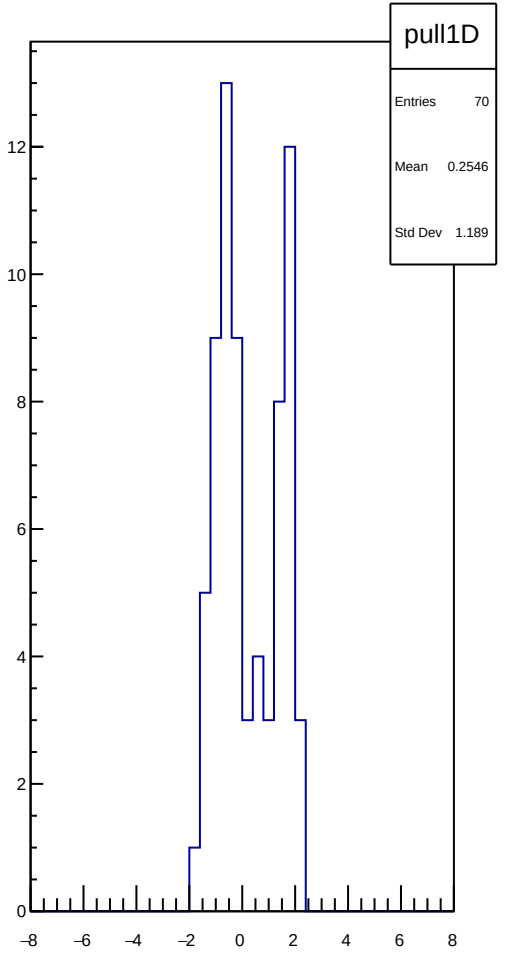

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.06 / 69
p0 190.3 ± 10.21
pull
Entries 70
Mean 276.5
Std Dev 0

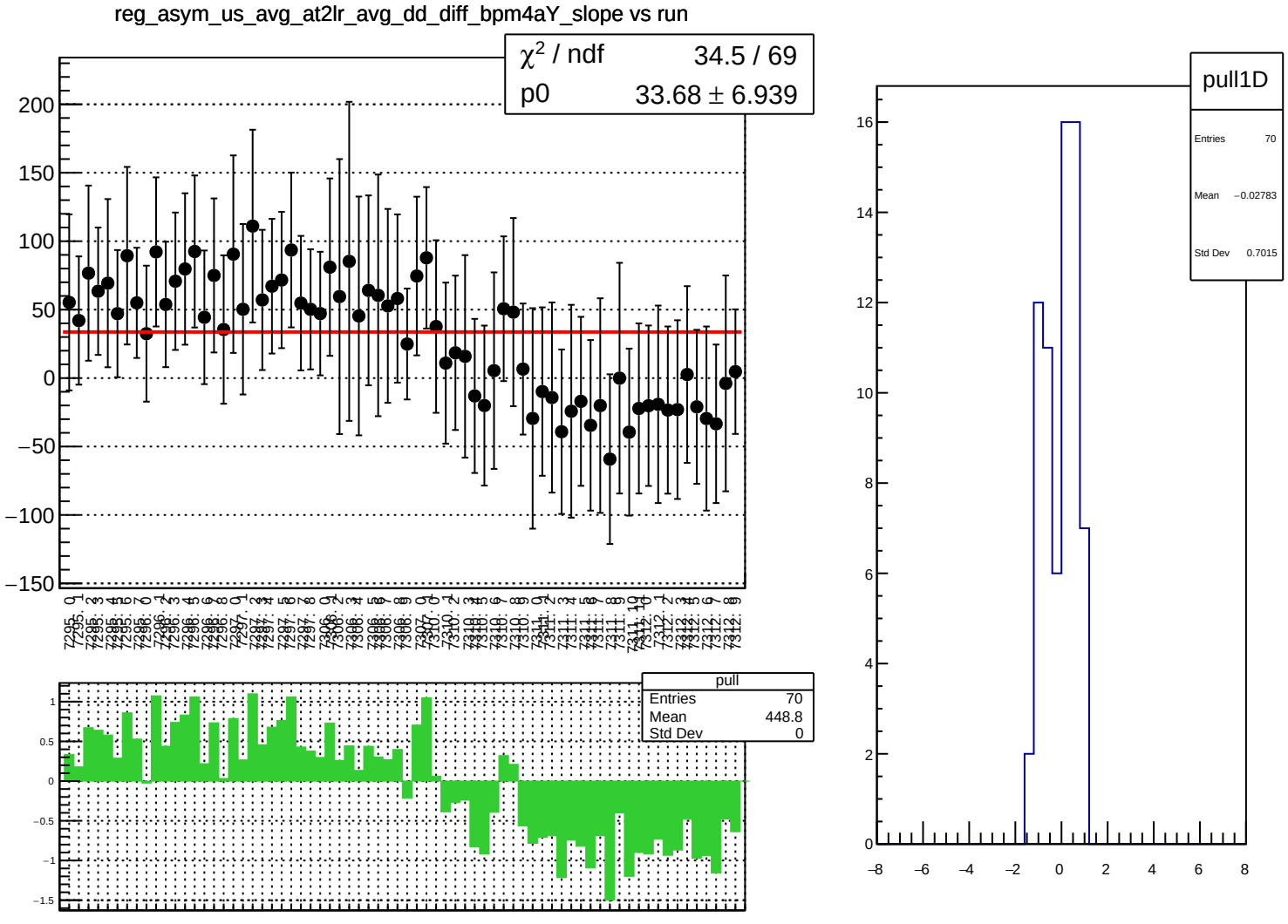

pull1D
Entries 70
Mean −0.04887
Std Dev 0.726

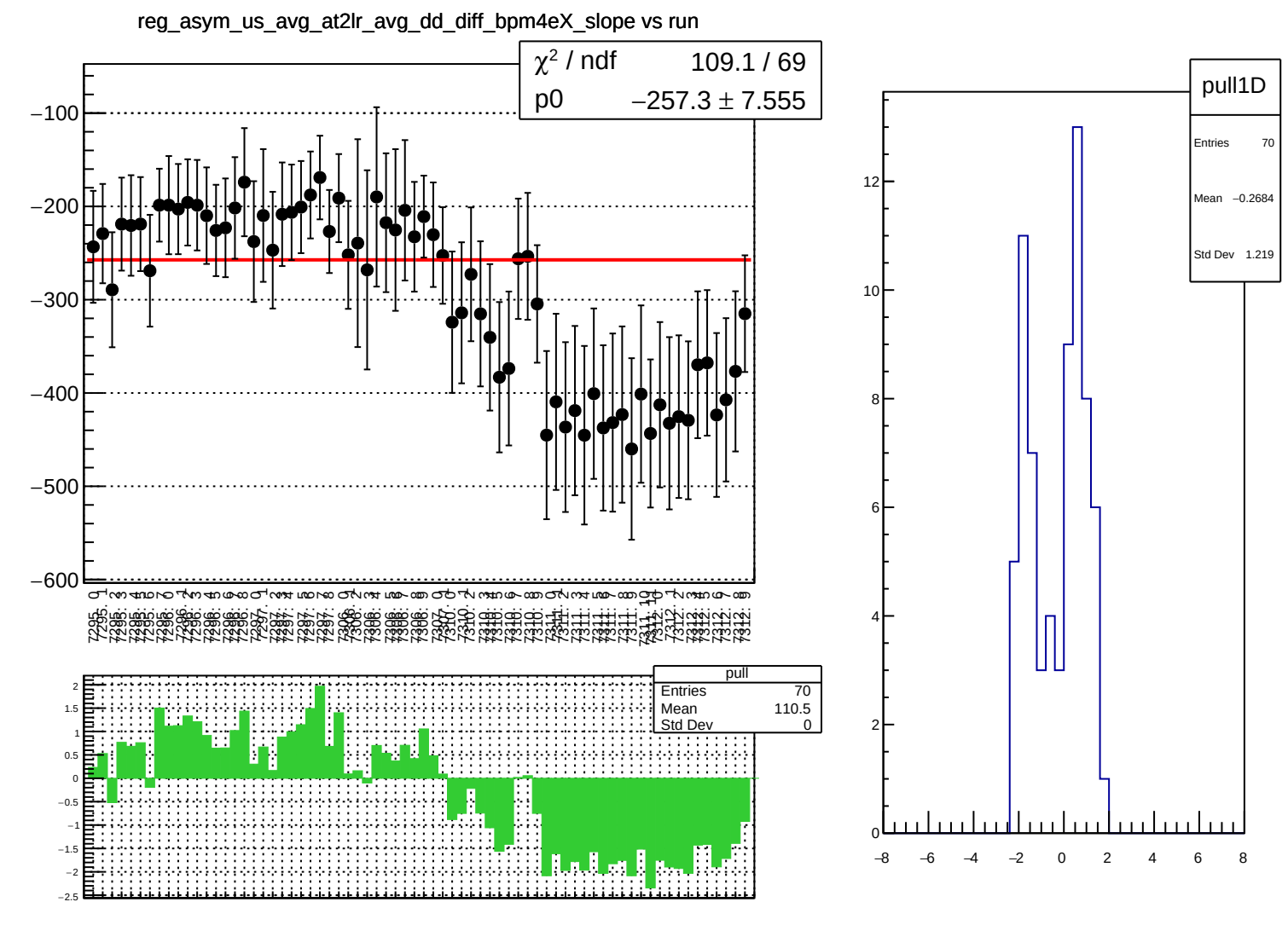

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 61.9 / 69
p0 −273.8 ± 0.4409
pull
Entries 70
Mean 290
Std Dev 0

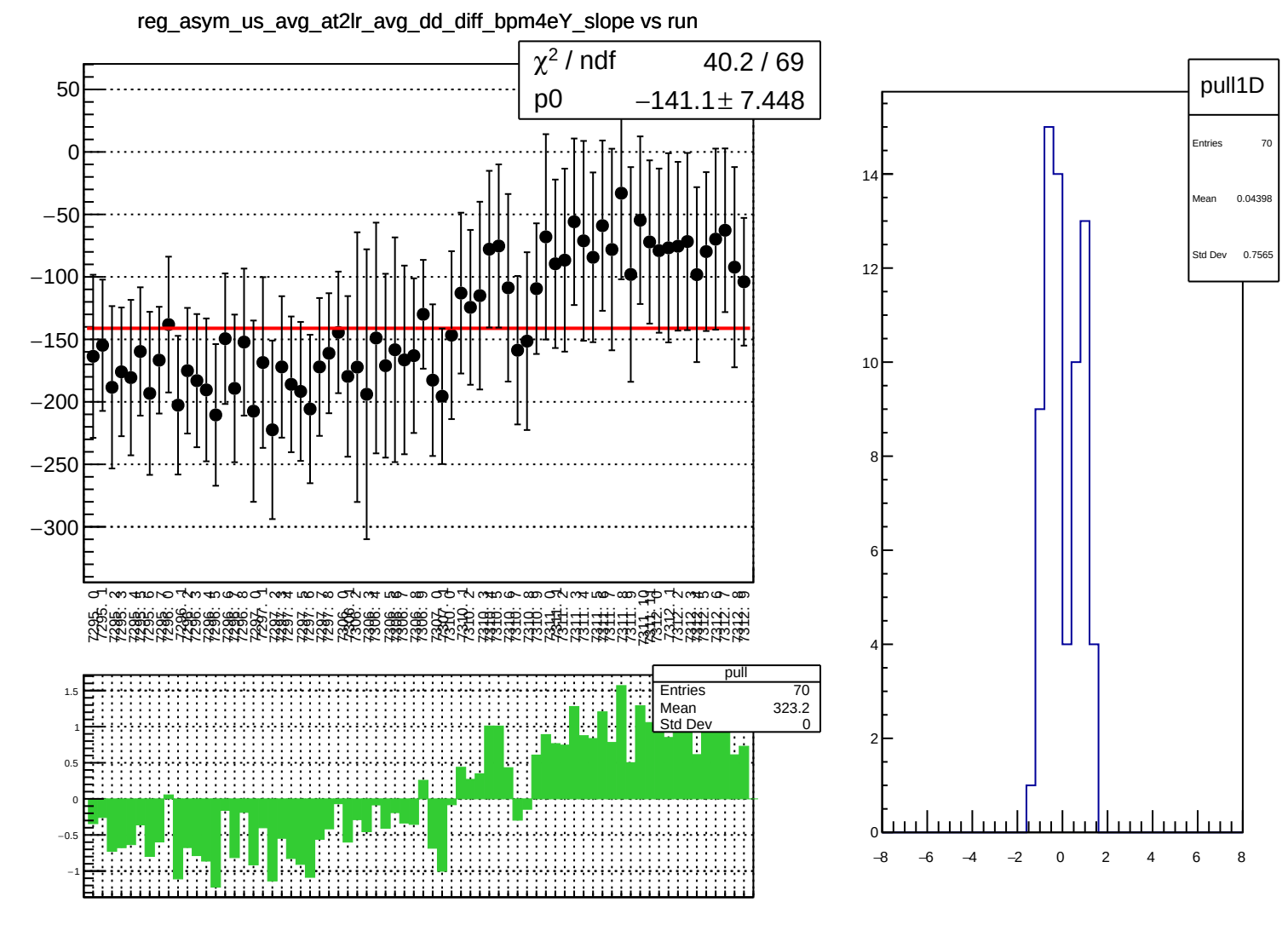

pull1D
Entries 70
Mean 0.04253
Std Dev 0.9394

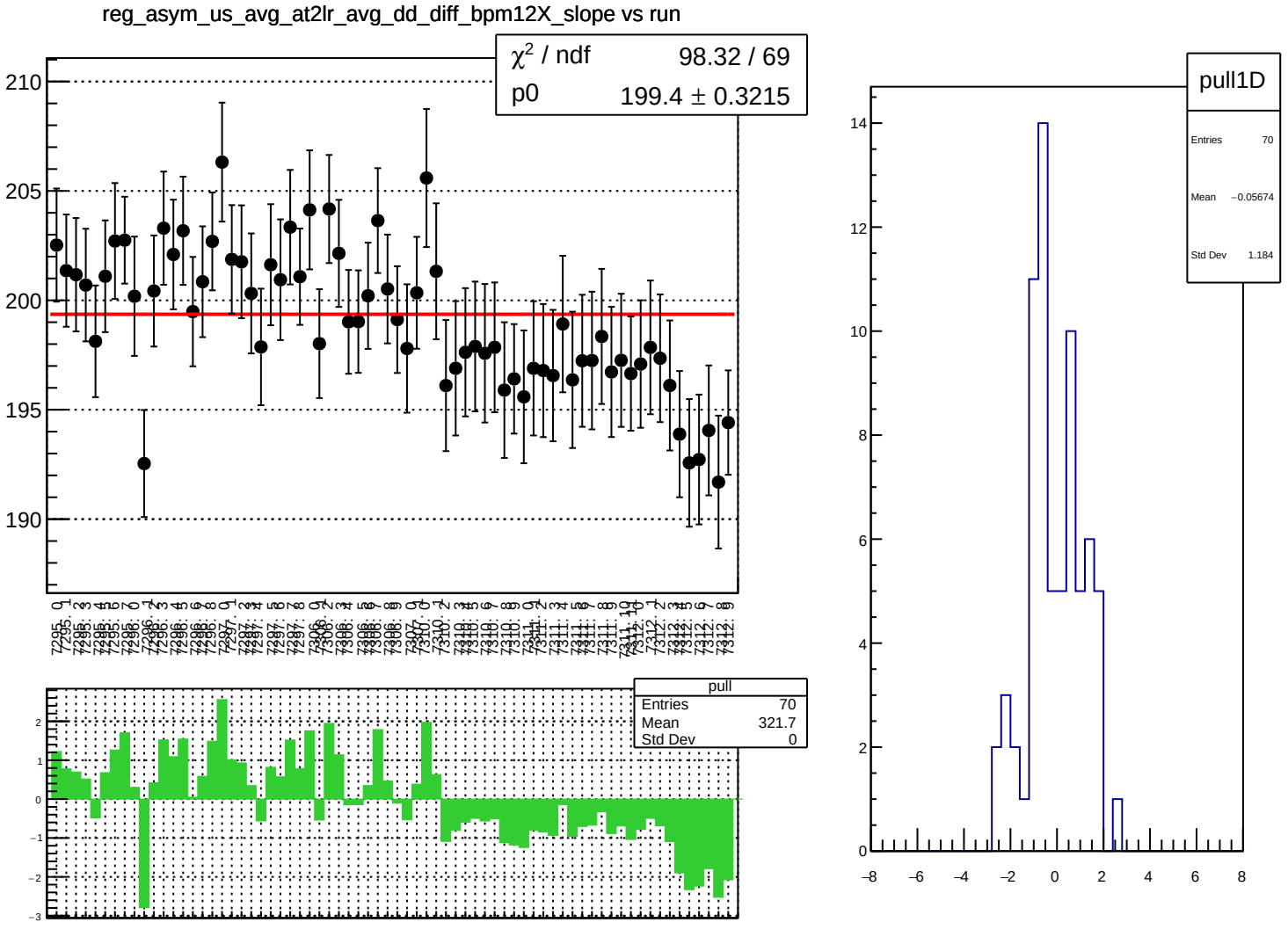

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 103.5 / 69
p0 241.9 ± 7.654
pull
Entries 70
Mean 111.5
Std Dev 0

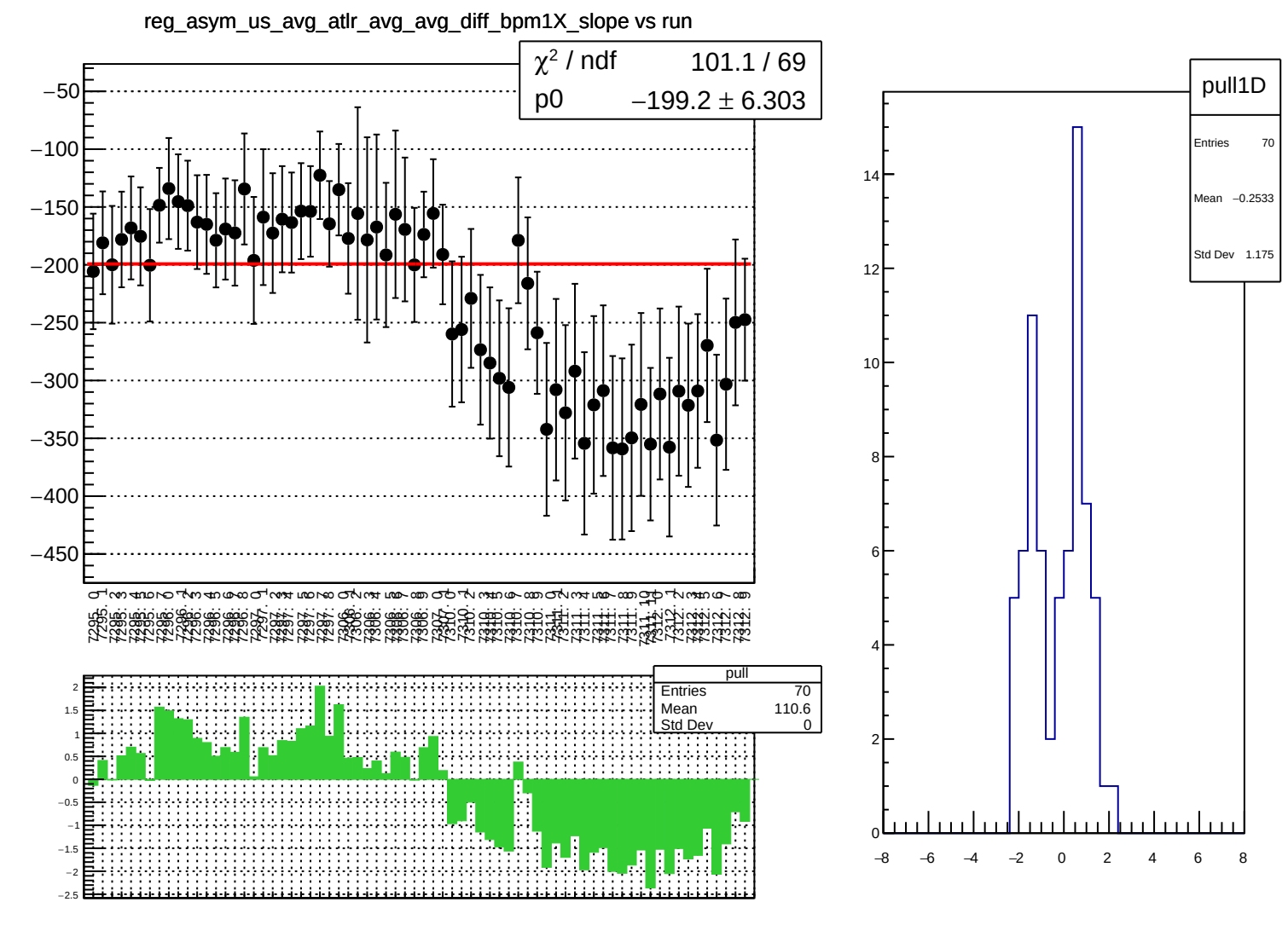

pull1D
Entries 70
Mean 0.2546
Std Dev 1.189

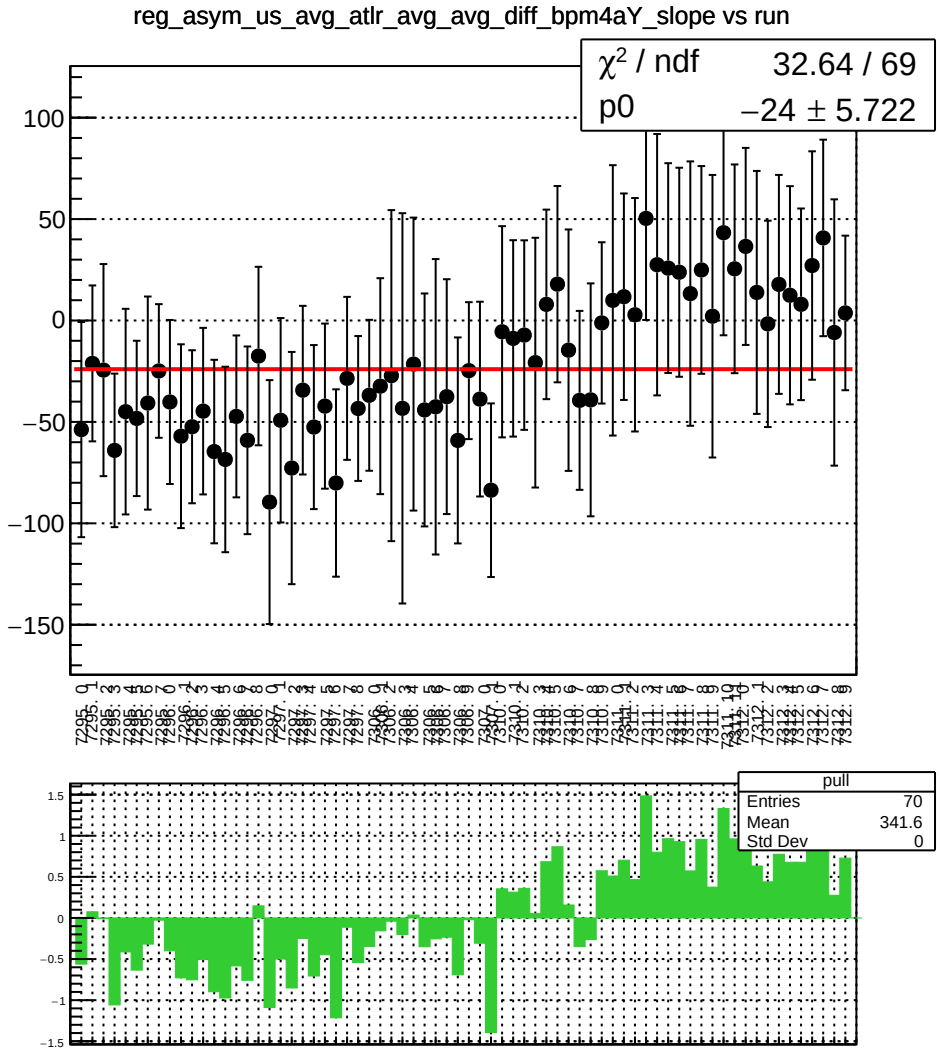

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.5 / 69
p0 33.68 ± 6.939
pull
Entries 70
Mean 448.8
Std Dev 0
pull1D
Entries 70
Mean −0.02783
Std Dev 0.7015

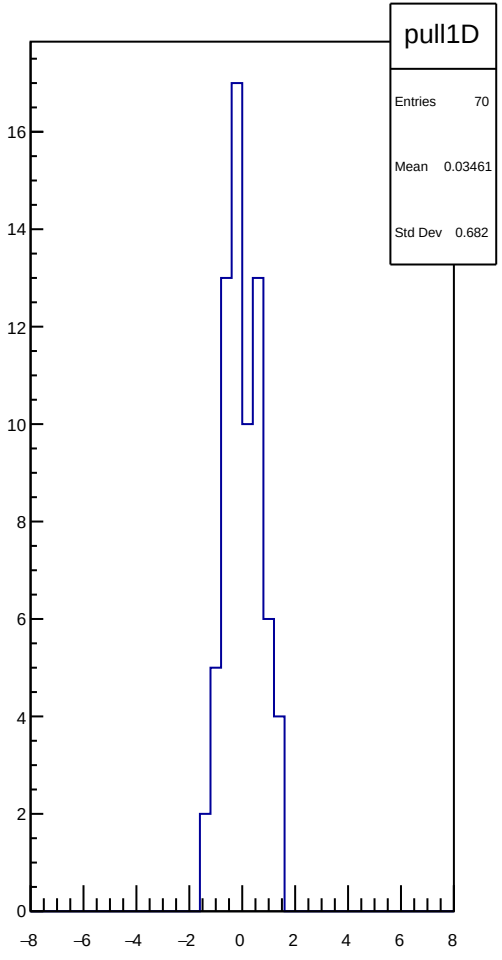

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.1 / 69
p0 −257.3 ± 7.555
pull
Entries 70
Mean 110.5
Std Dev 0
pull1D
Entries 70
Mean −0.2684
Std Dev 1.219

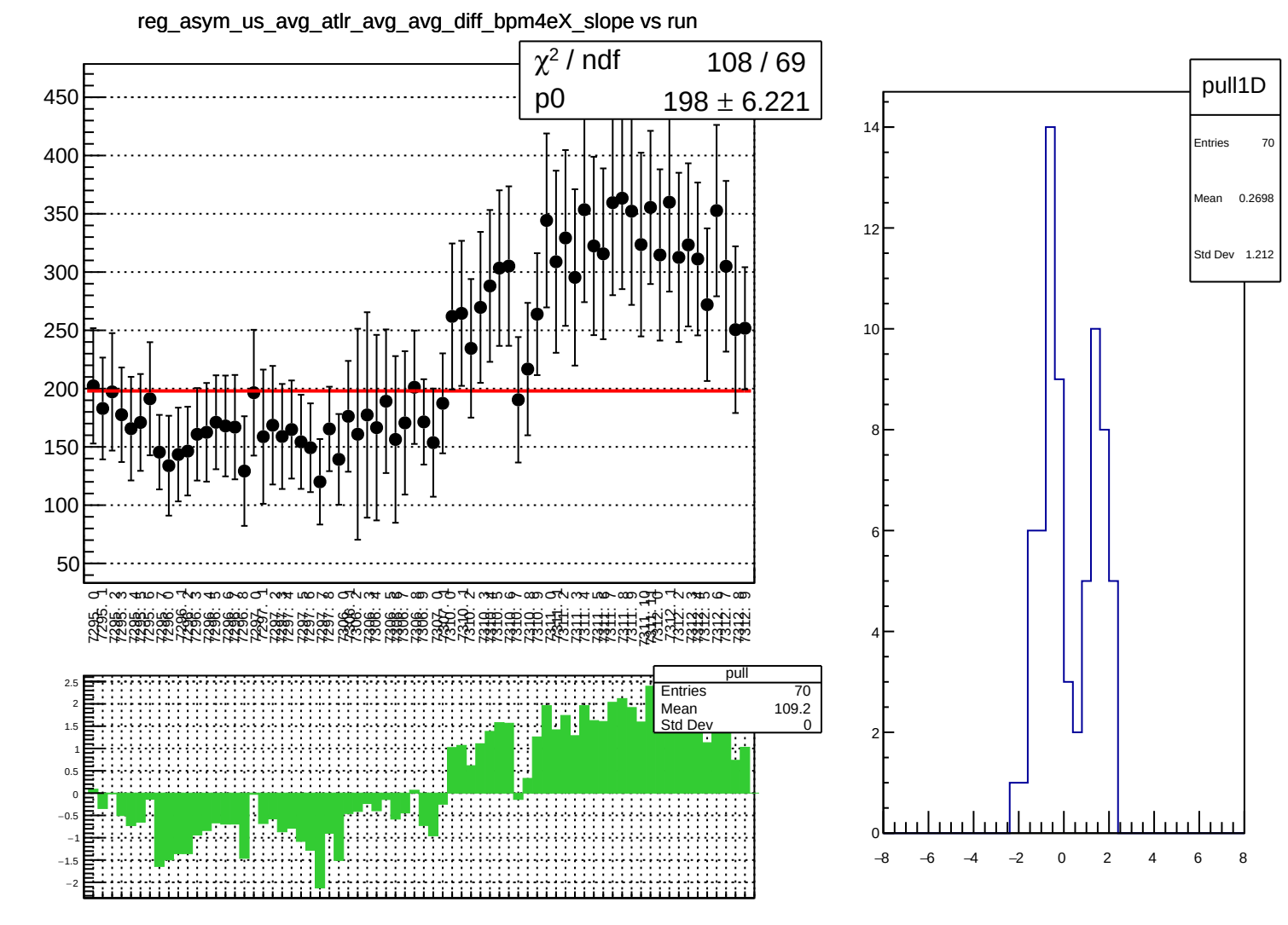

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.2 / 69
p0 −141.1± 7.448
pull
Entries 70
Mean 323.2
Std Dev 0
pull1D
Entries 70
Mean 0.04398
Std Dev 0.7565

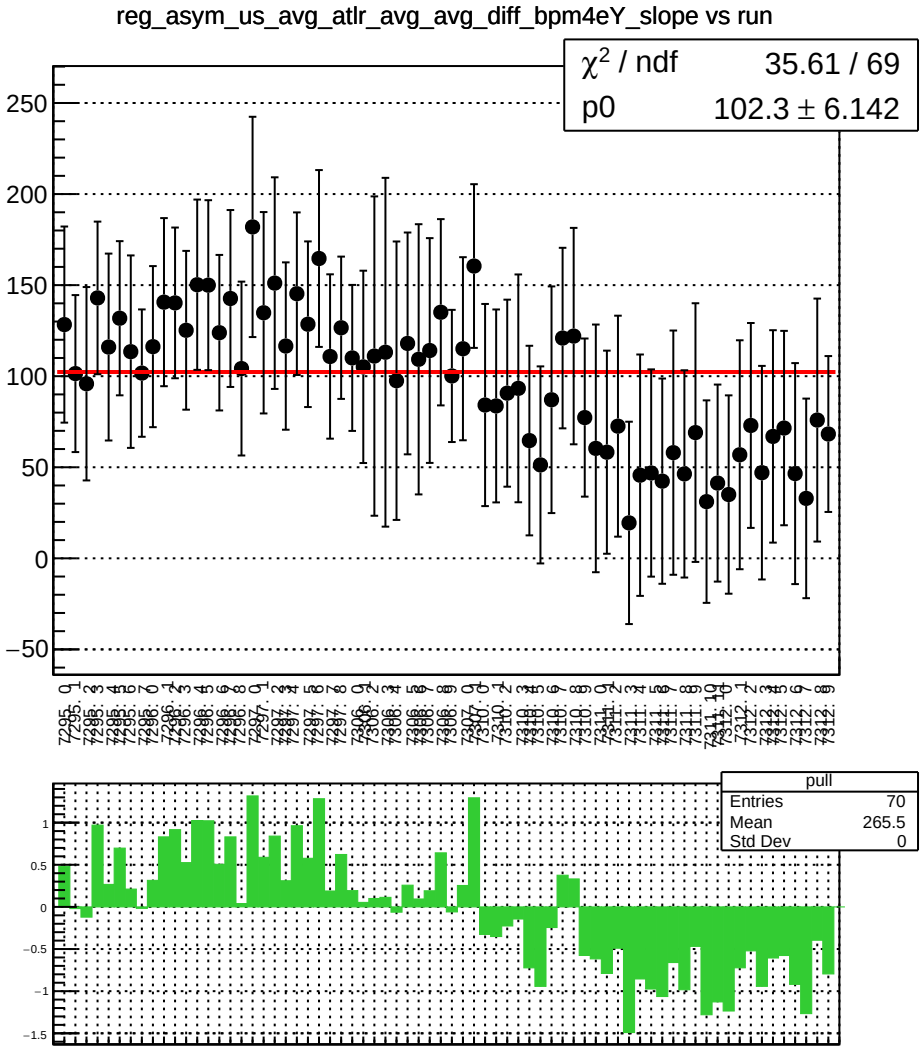

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 98.32 / 69
p0 199.4 ± 0.3215
pull
Entries 70
Mean 321.7
Std Dev 0
pull1D
Entries 70
Mean −0.05674
Std Dev 1.184

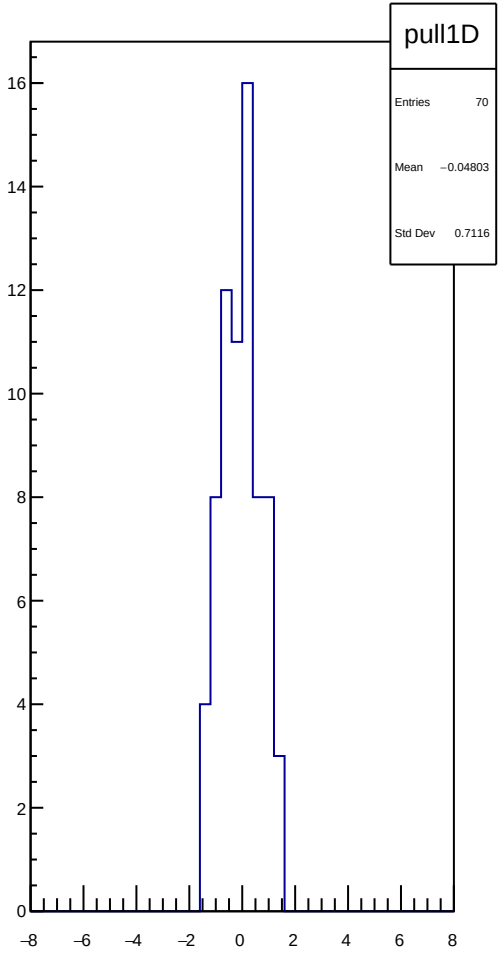

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 101.1 / 69
p0 −199.2 ± 6.303
pull
Entries 70
Mean 110.6
Std Dev 0
pull1D
Entries 70
Mean −0.2533
Std Dev 1.175

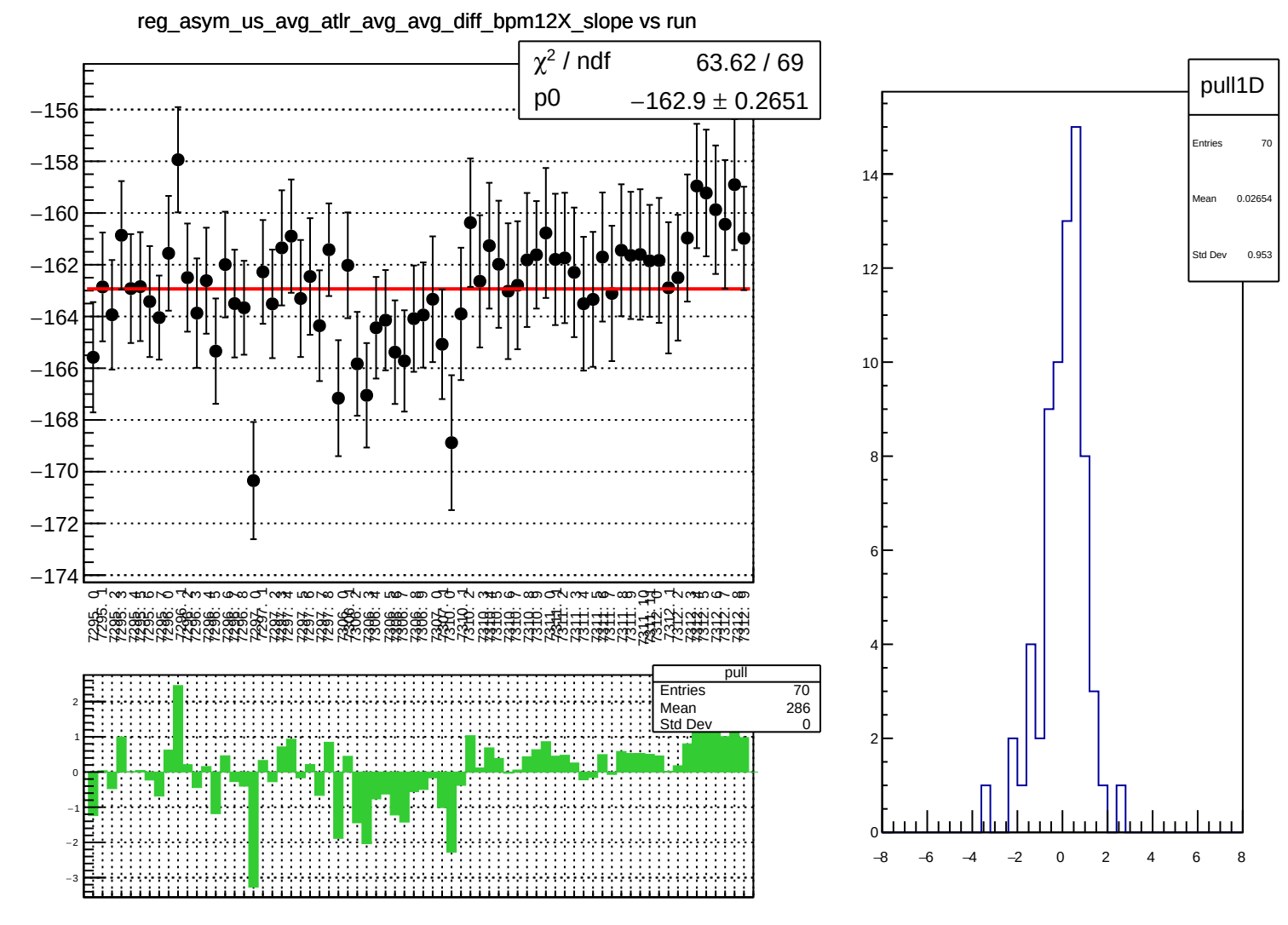

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.64 / 69
p0 −24 ± 5.722
pull
Entries 70
Mean 341.6
Std Dev 0

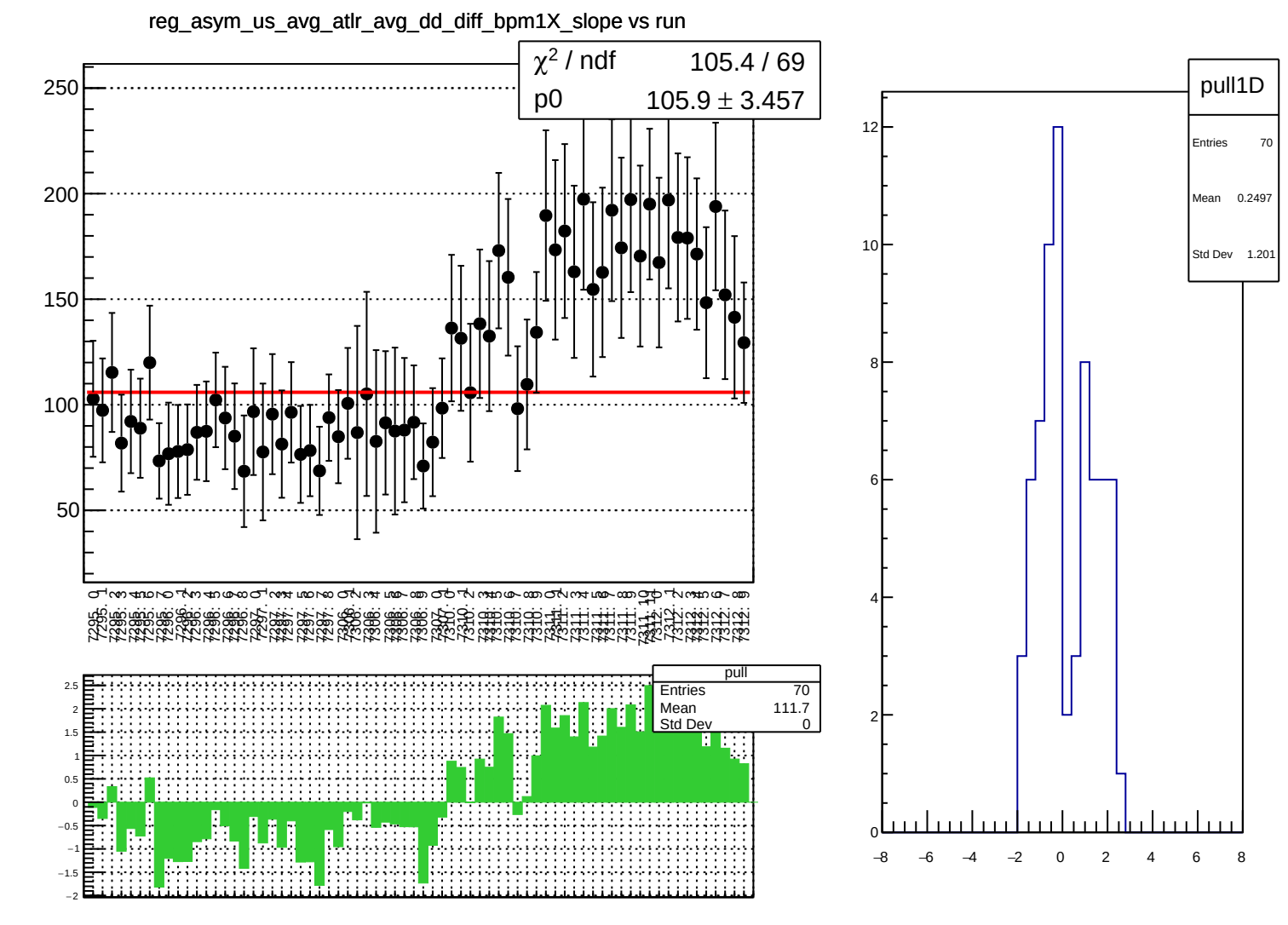

pull1D
Entries 70
Mean 0.03461
Std Dev 0.682

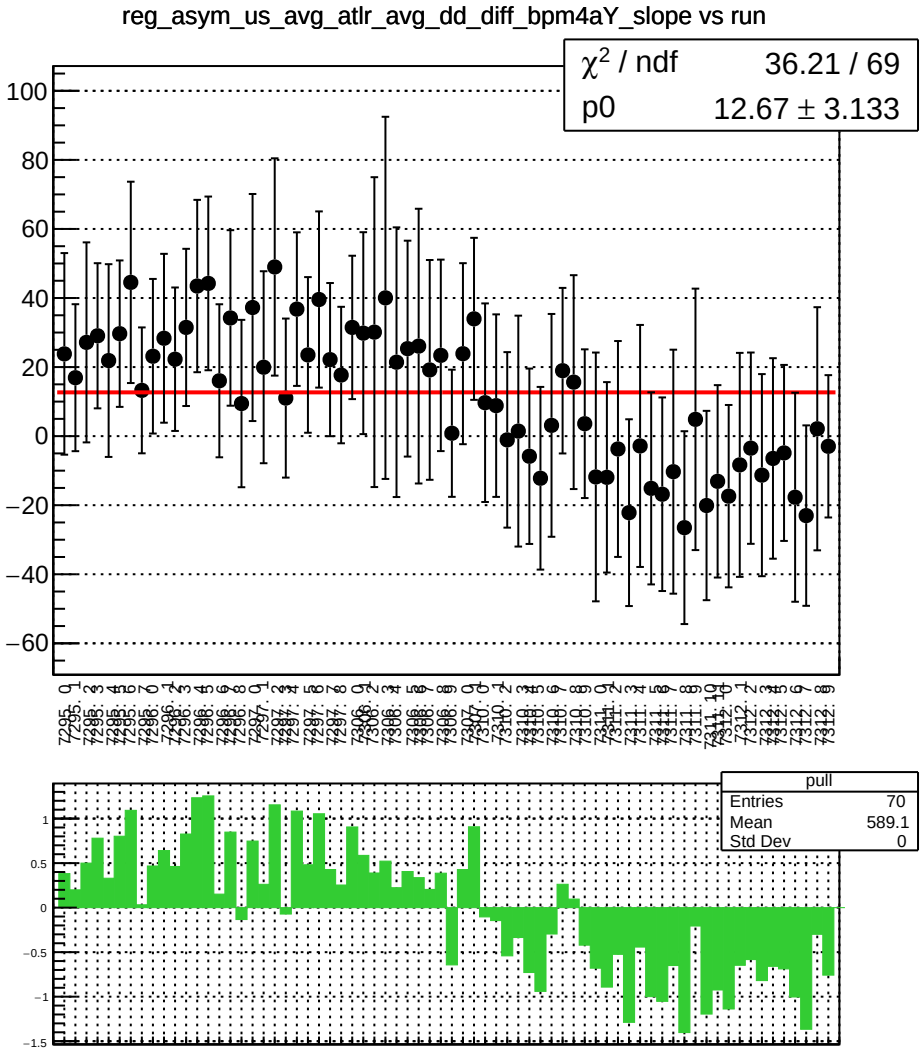

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 108 / 69
p0 198 ± 6.221
pull
Entries 70
Mean 109.2
Std Dev 0
pull1D
Entries 70
Mean 0.2698
Std Dev 1.212

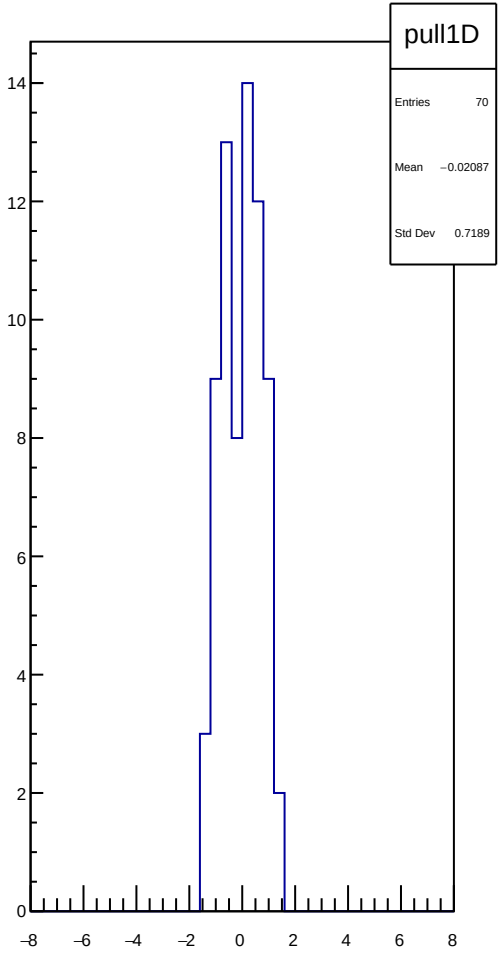

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.61 / 69
p0 102.3 ± 6.142
pull
Entries 70
Mean 265.5
Std Dev 0

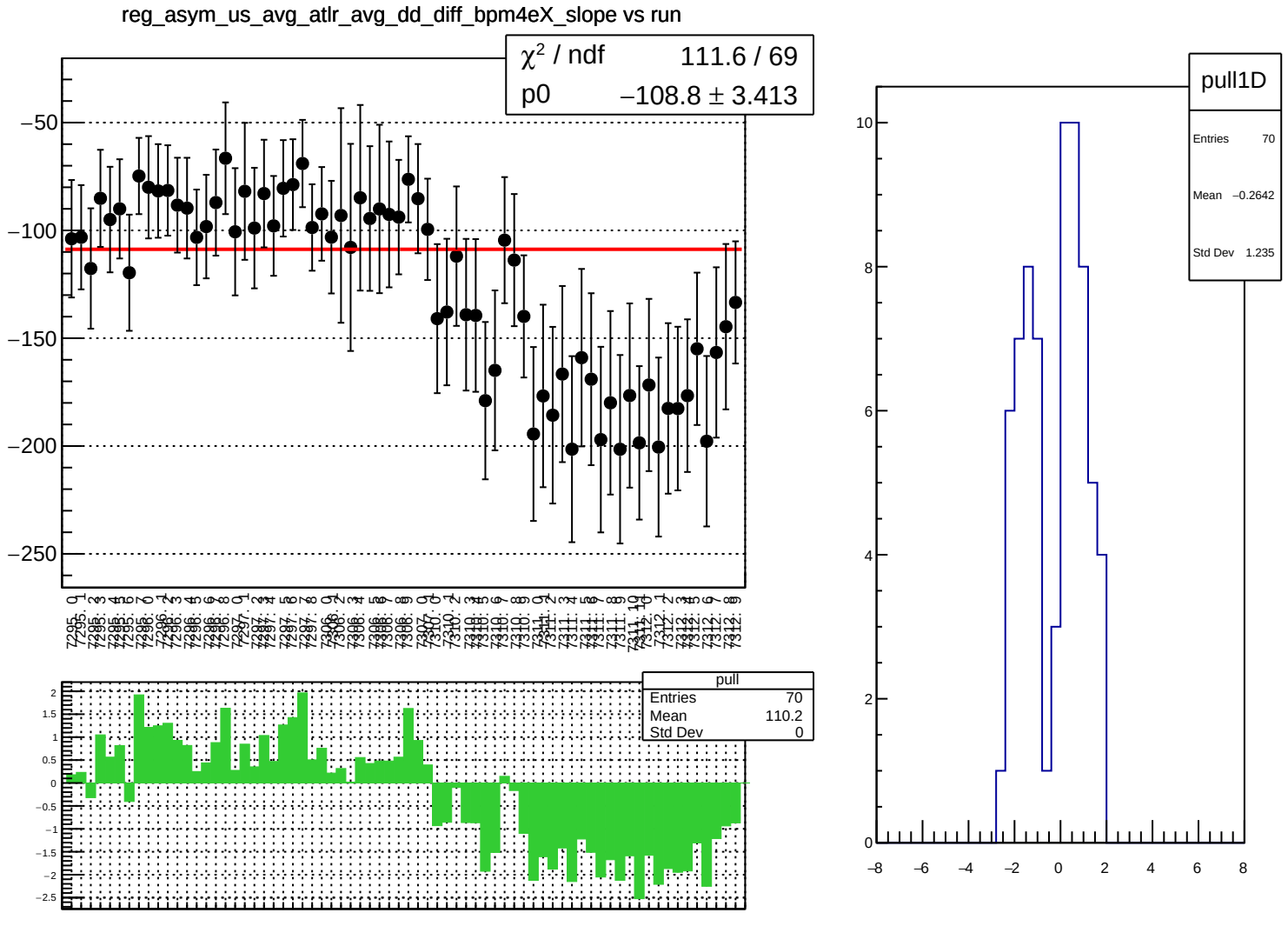

pull1D
Entries 70
Mean −0.04803
Std Dev 0.7116

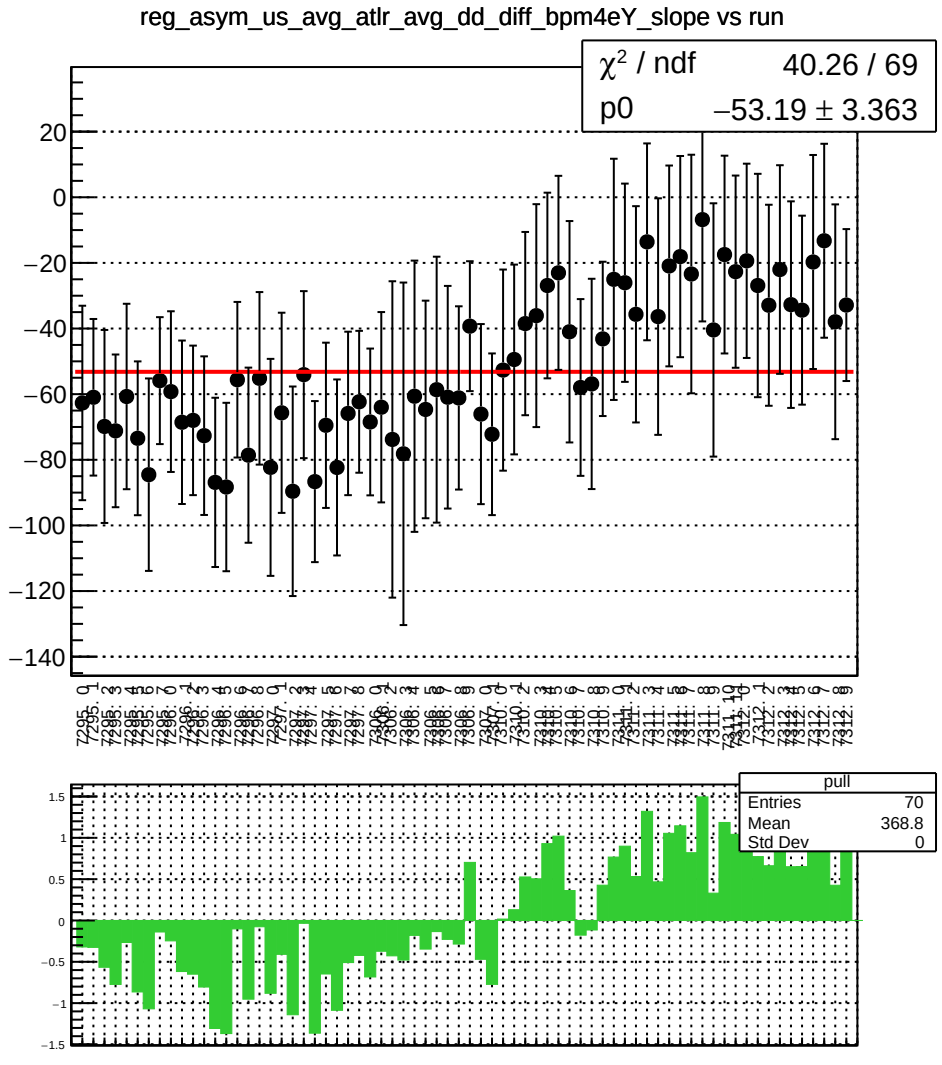

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 63.62 / 69
p0 −162.9 ± 0.2651
pull
Entries 70
Mean 286
Std Dev 0
pull1D
Entries 70
Mean 0.02654
Std Dev 0.953

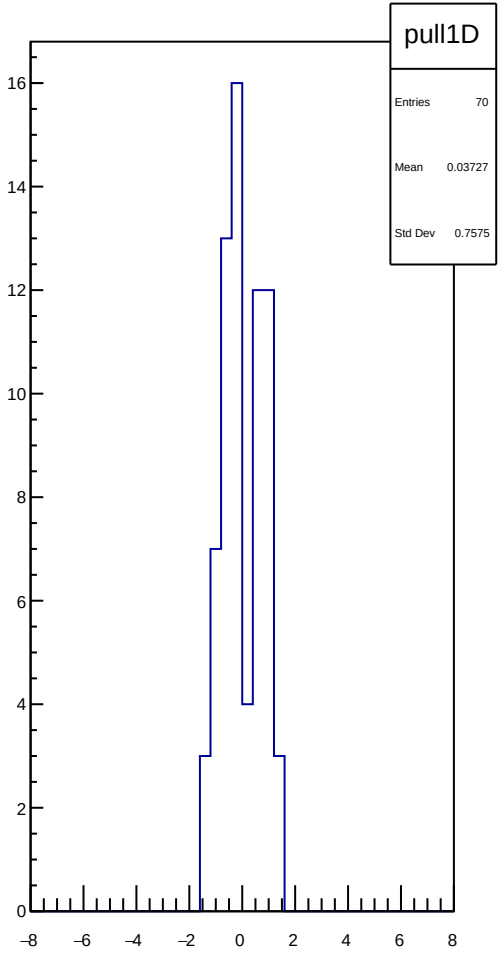

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 105.4 / 69
p0 105.9 ± 3.457
pull
Entries 70
Mean 111.7
Std Dev 0
pull1D
Entries 70
Mean 0.2497
Std Dev 1.201

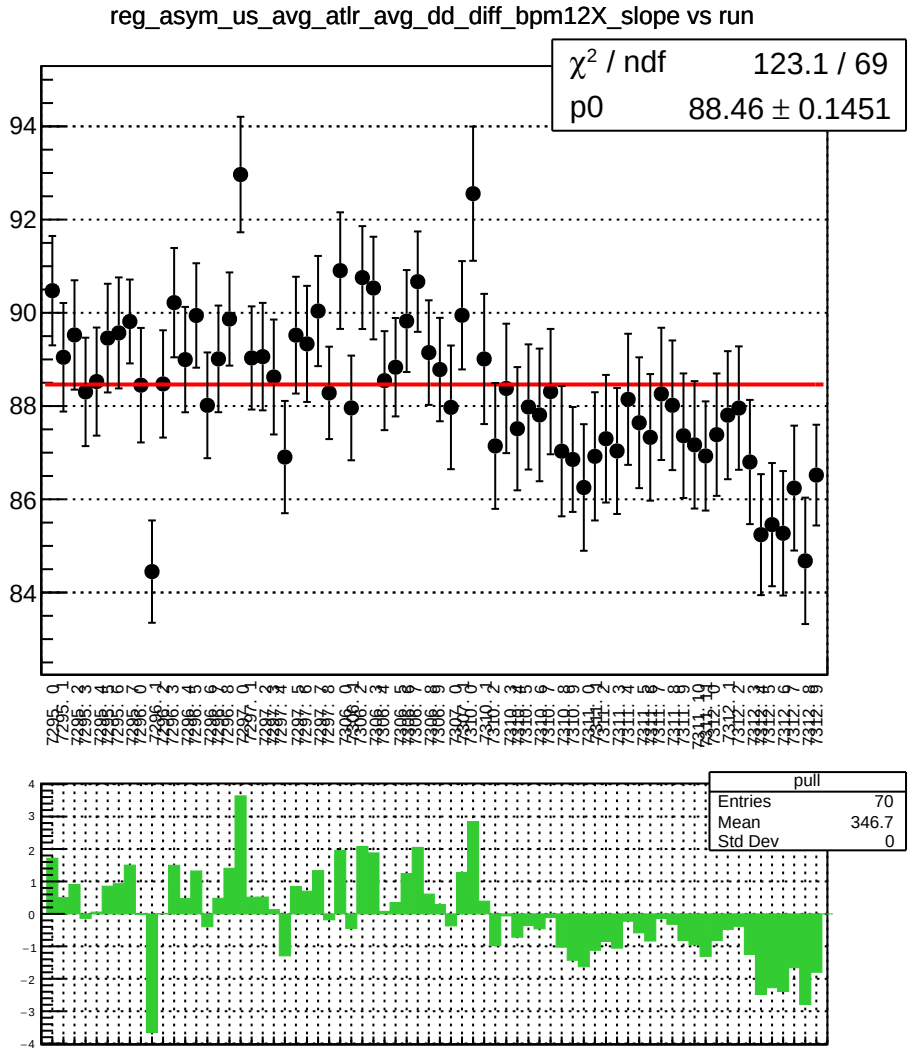

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.21 / 69
p0 12.67 ± 3.133
pull
Entries 70
Mean 589.1
Std Dev 0

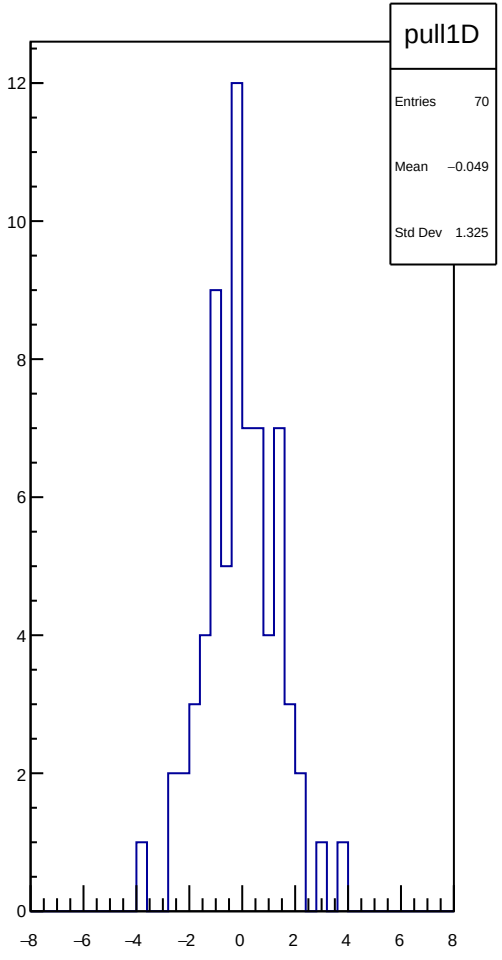

pull1D
Entries 70
Mean −0.02087
Std Dev 0.7189

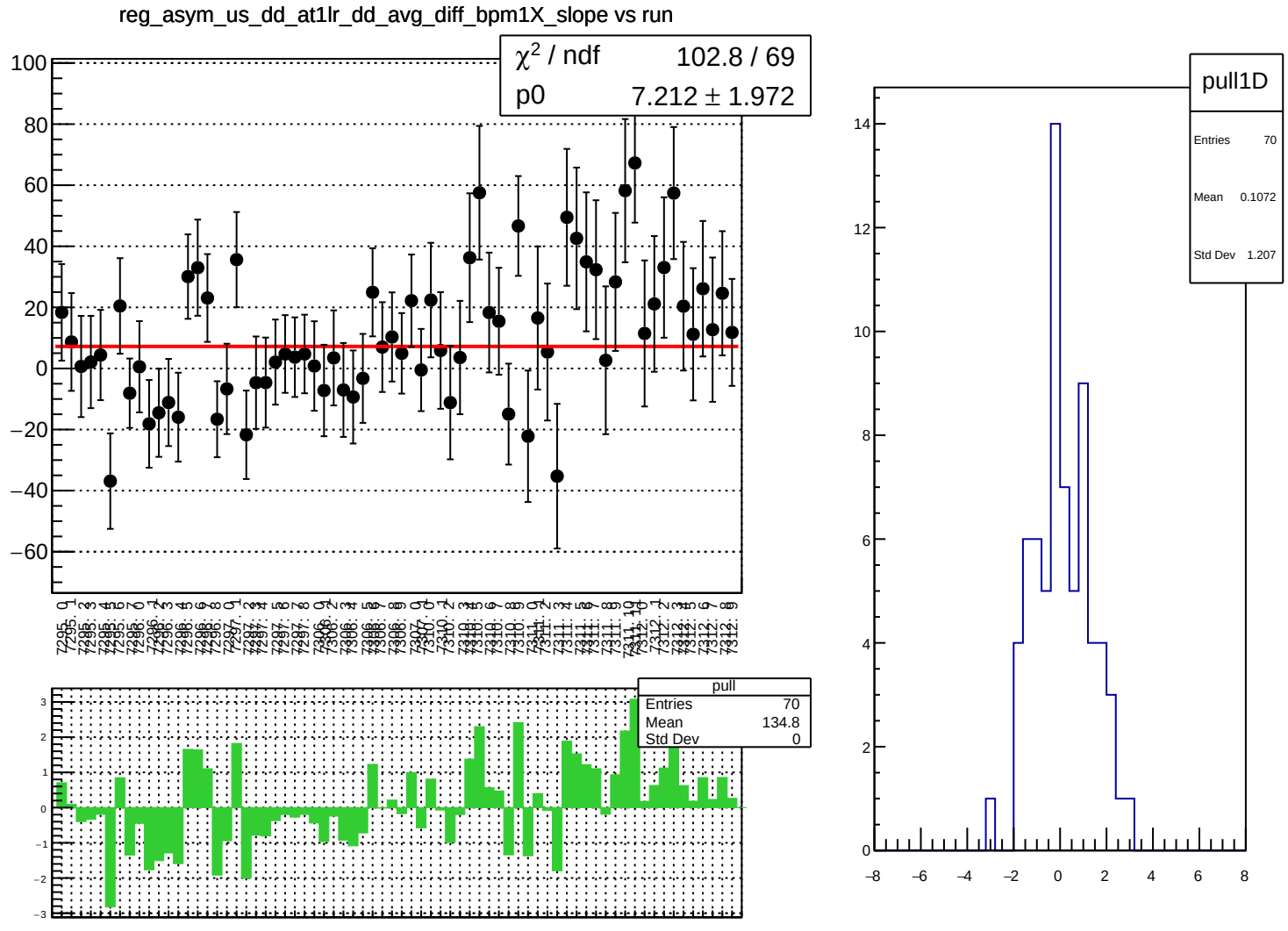

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 111.6 / 69
p0 −108.8 ± 3.413
pull
Entries 70
Mean 110.2
Std Dev 0
pull1D
Entries 70
Mean −0.2642
Std Dev 1.235

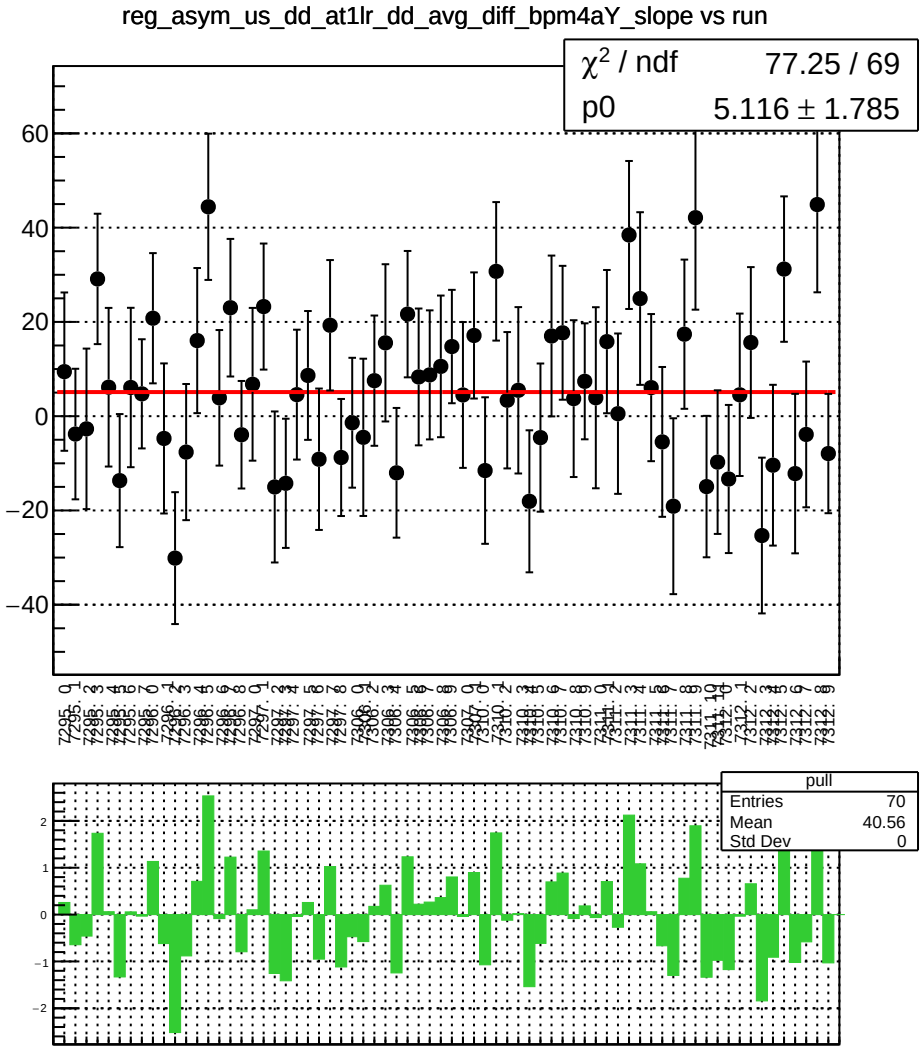

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.26 / 69
p0 −53.19 ± 3.363
pull
Entries 70
Mean 368.8
Std Dev 0

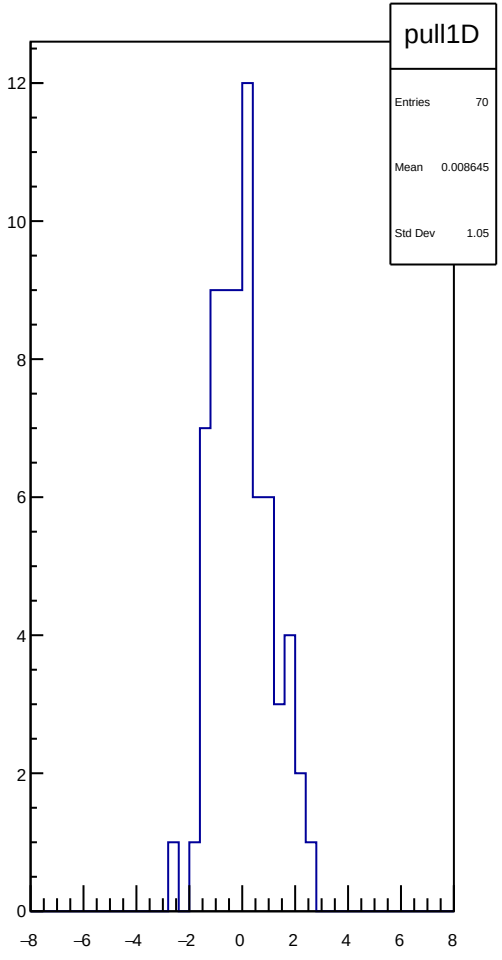

pull1D
Entries 70
Mean 0.03727
Std Dev 0.7575

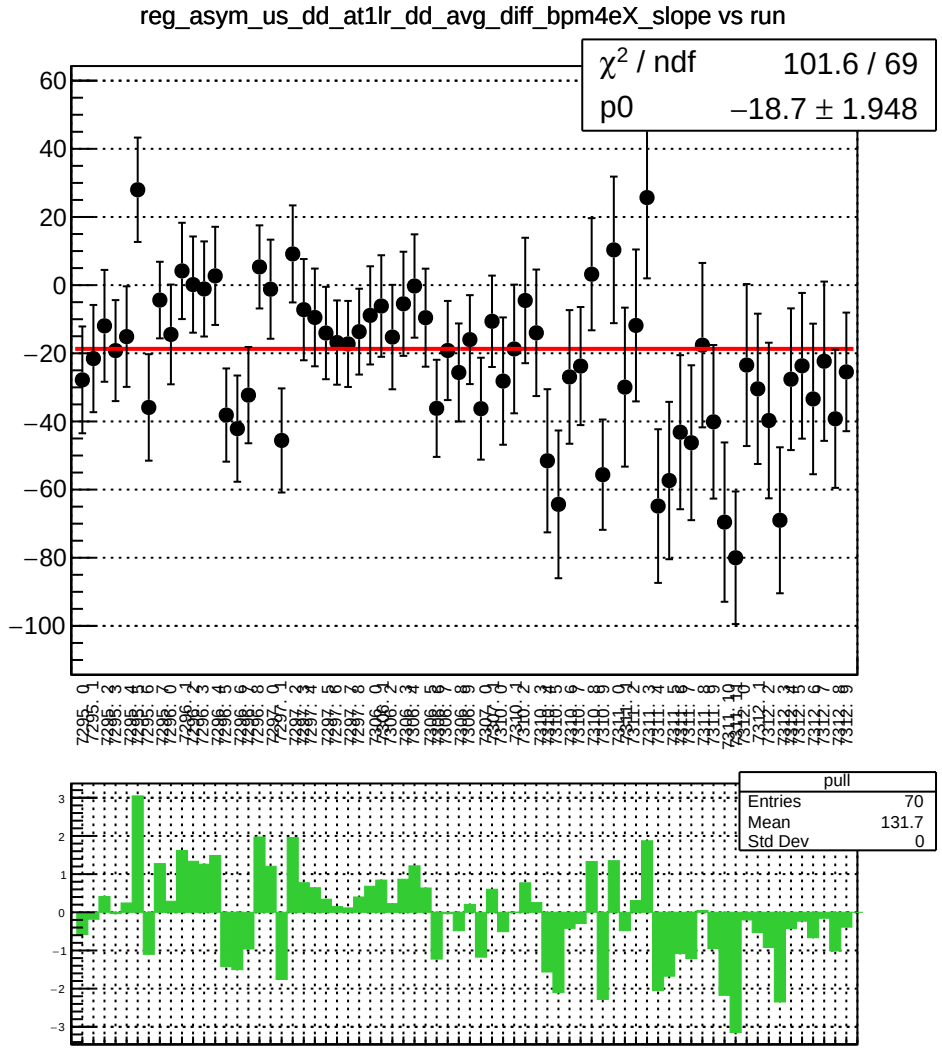

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 123.1 / 69
p0 88.46 ± 0.1451
pull
Entries 70
Mean 346.7
Std Dev 0

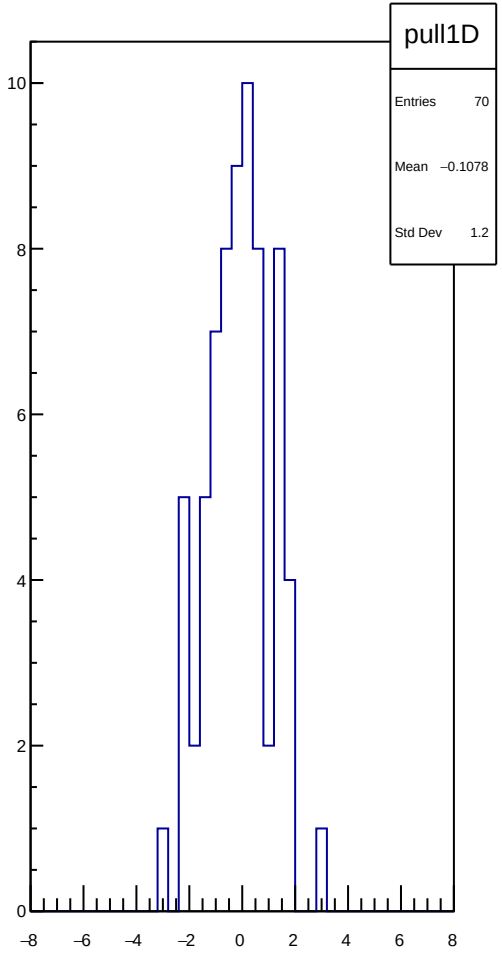

pull1D
Entries 70
Mean −0.049
Std Dev 1.325

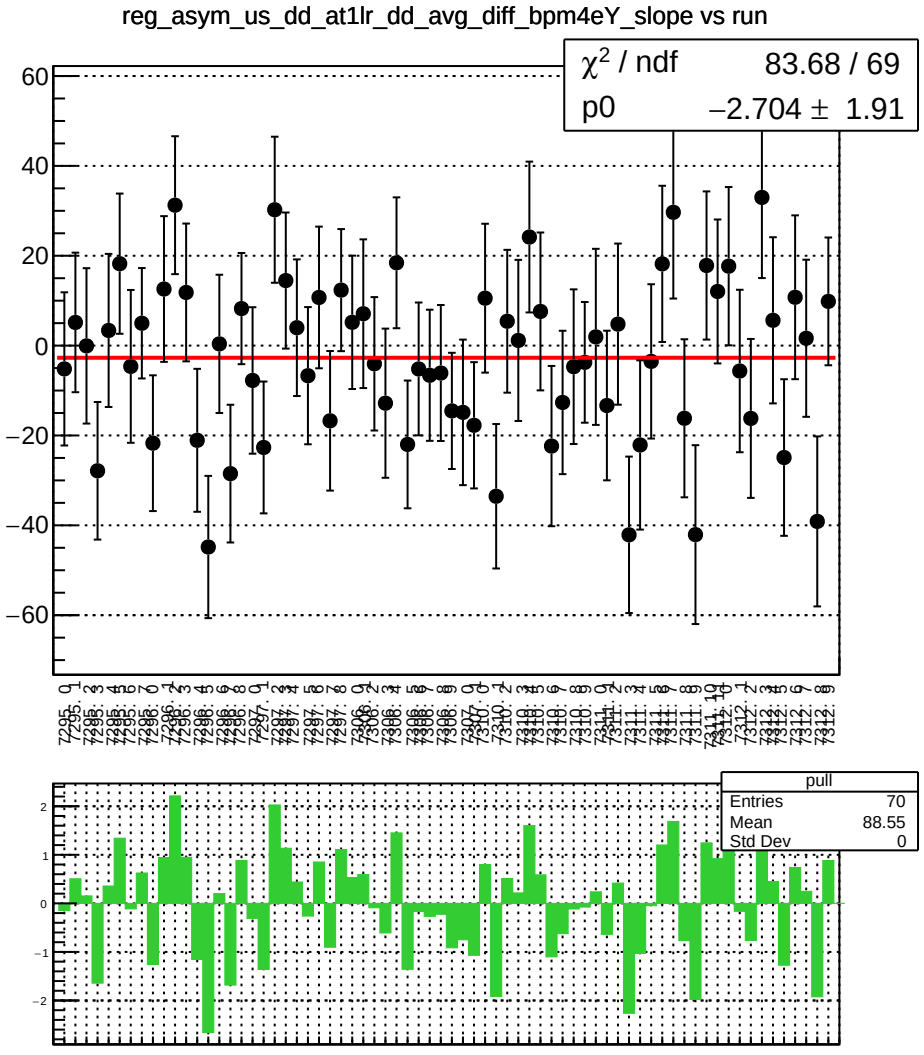

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 102.8 / 69
p0 7.212 ± 1.972
pull
Entries 70
Mean 134.8
Std Dev 0
pull1D
Entries 70
Mean 0.1072
Std Dev 1.207

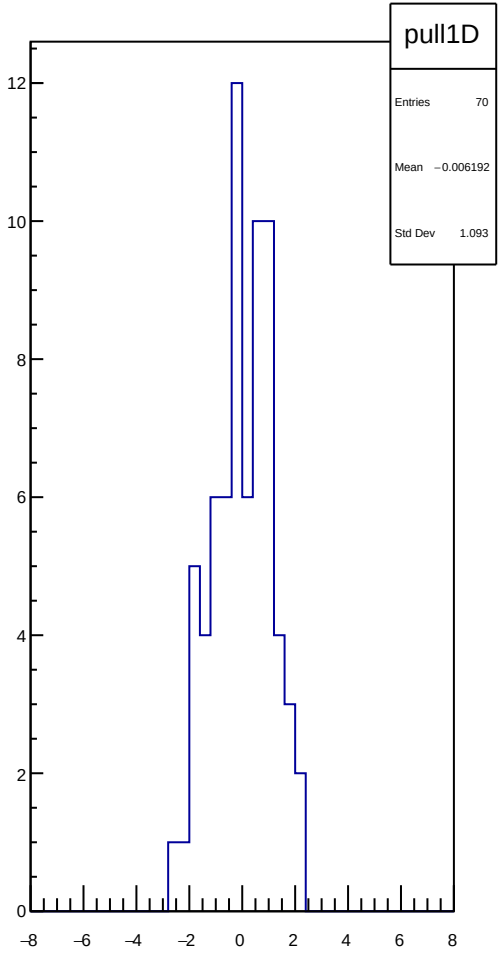

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.25 / 69
p0 5.116 ± 1.785
pull
Entries 70
Mean 40.56
Std Dev 0

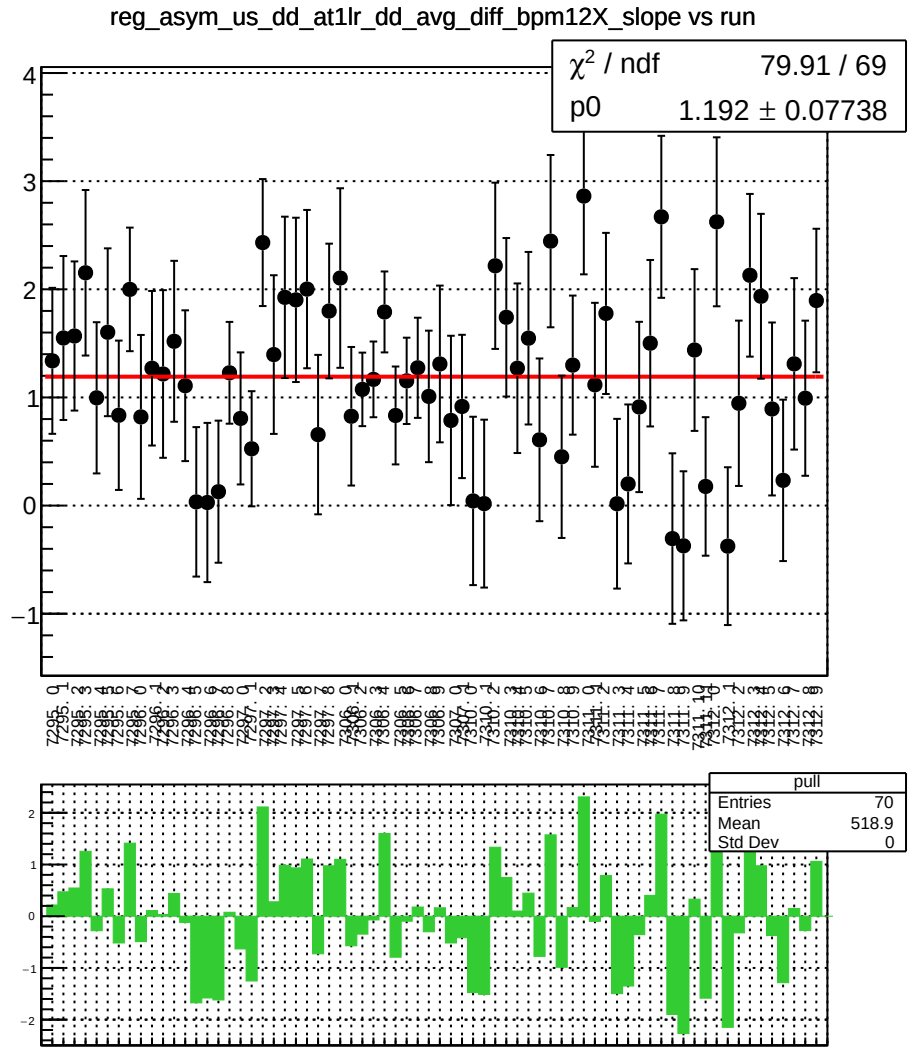

pull1D
Entries 70
Mean 0.008645
Std Dev 1.05

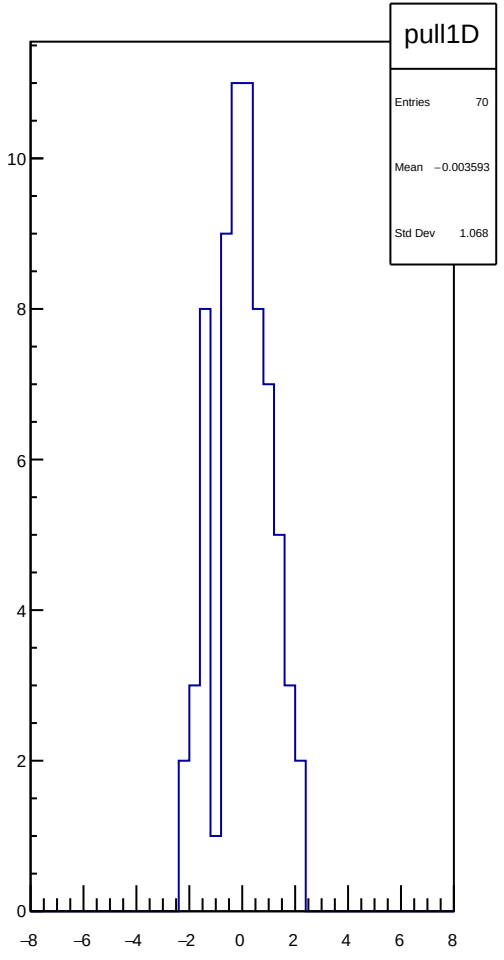

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.6 / 69
p0 −18.7 ± 1.948
pull
Entries 70
Mean 131.7
Std Dev 0

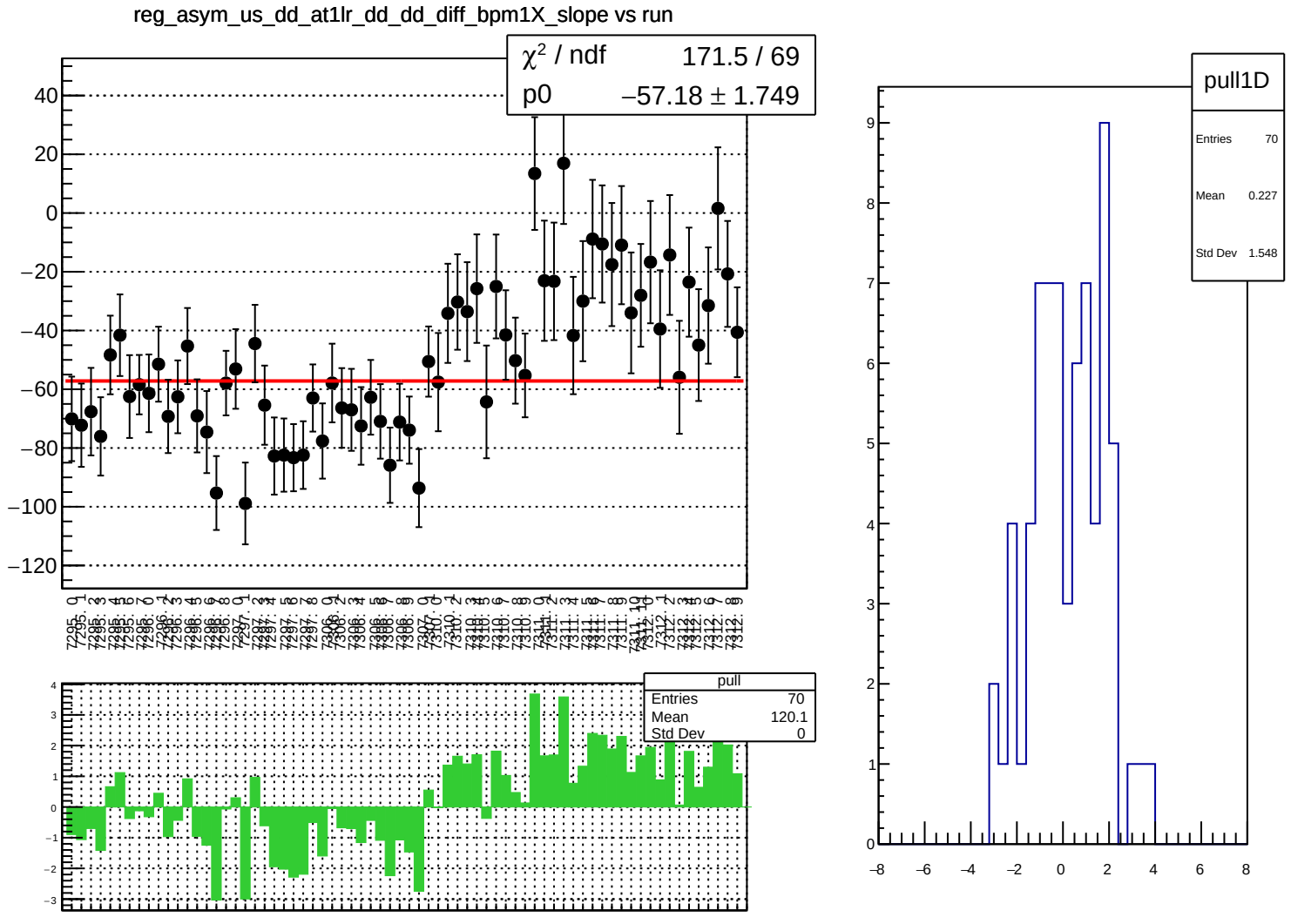

pull1D
Entries 70
Mean −0.1078
Std Dev 1.2

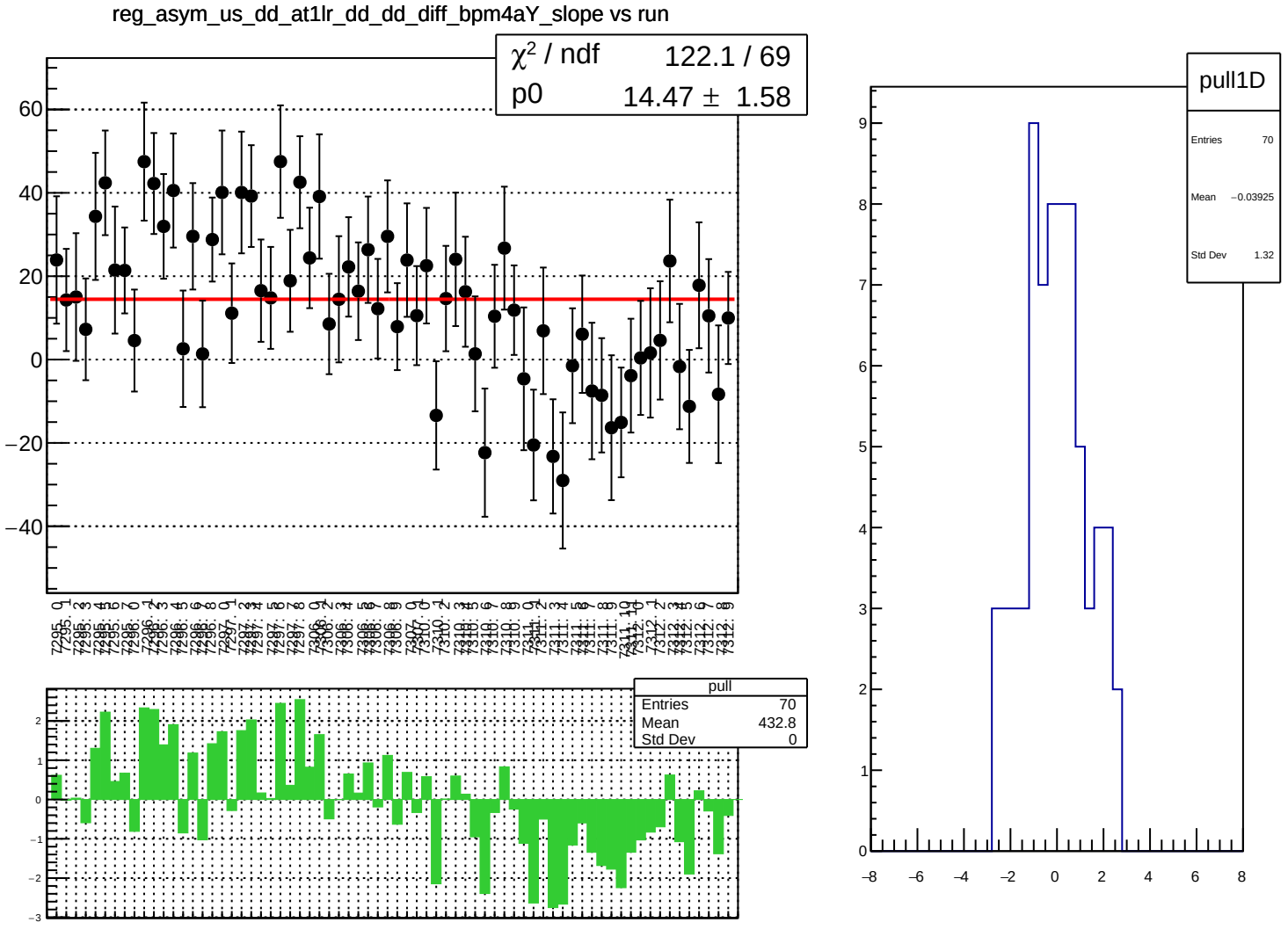

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 83.68 / 69
p0 −2.704 ± 1.91
pull
Entries 70
Mean 88.55
Std Dev 0

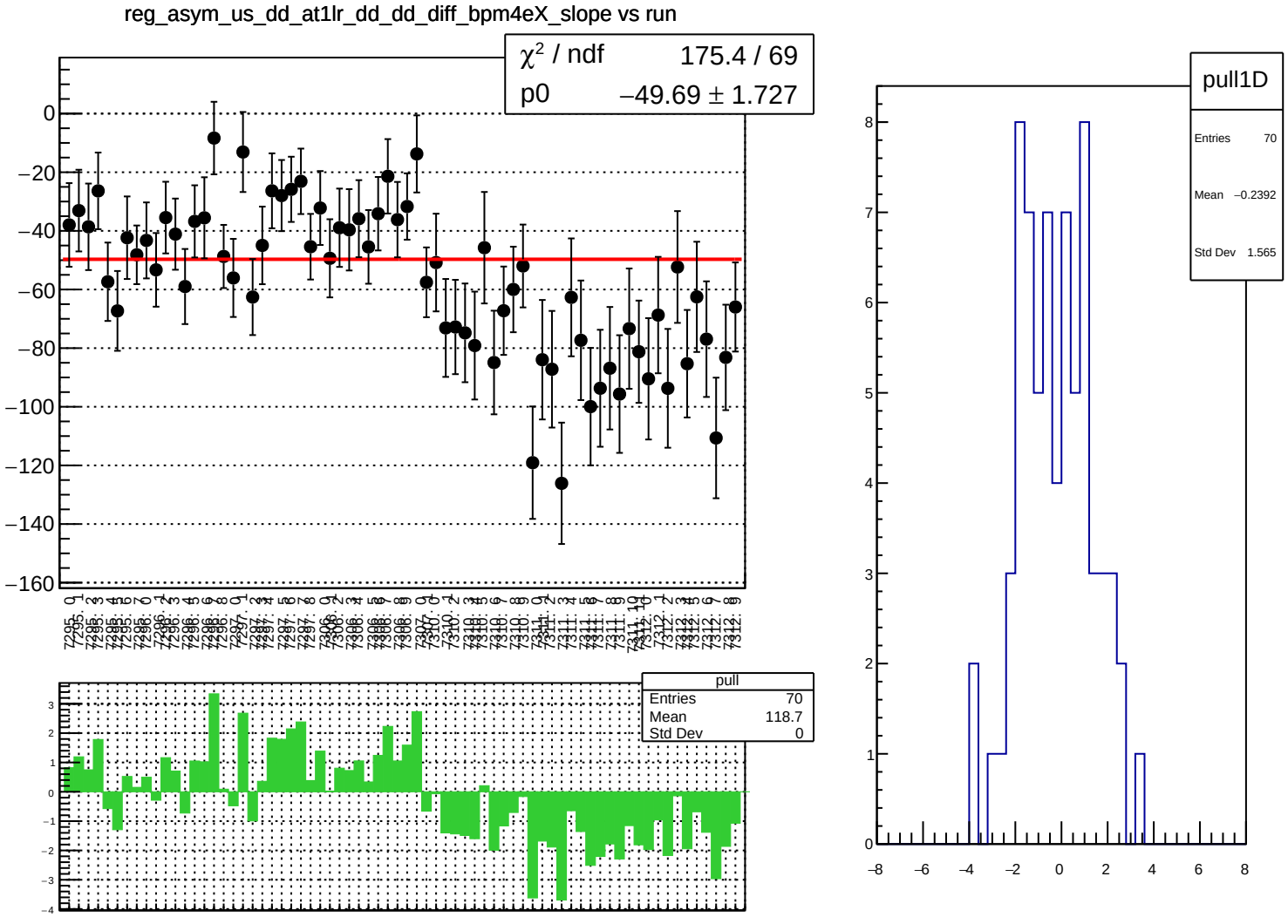

pull1D
Entries 70
Mean −0.006192
Std Dev 1.093

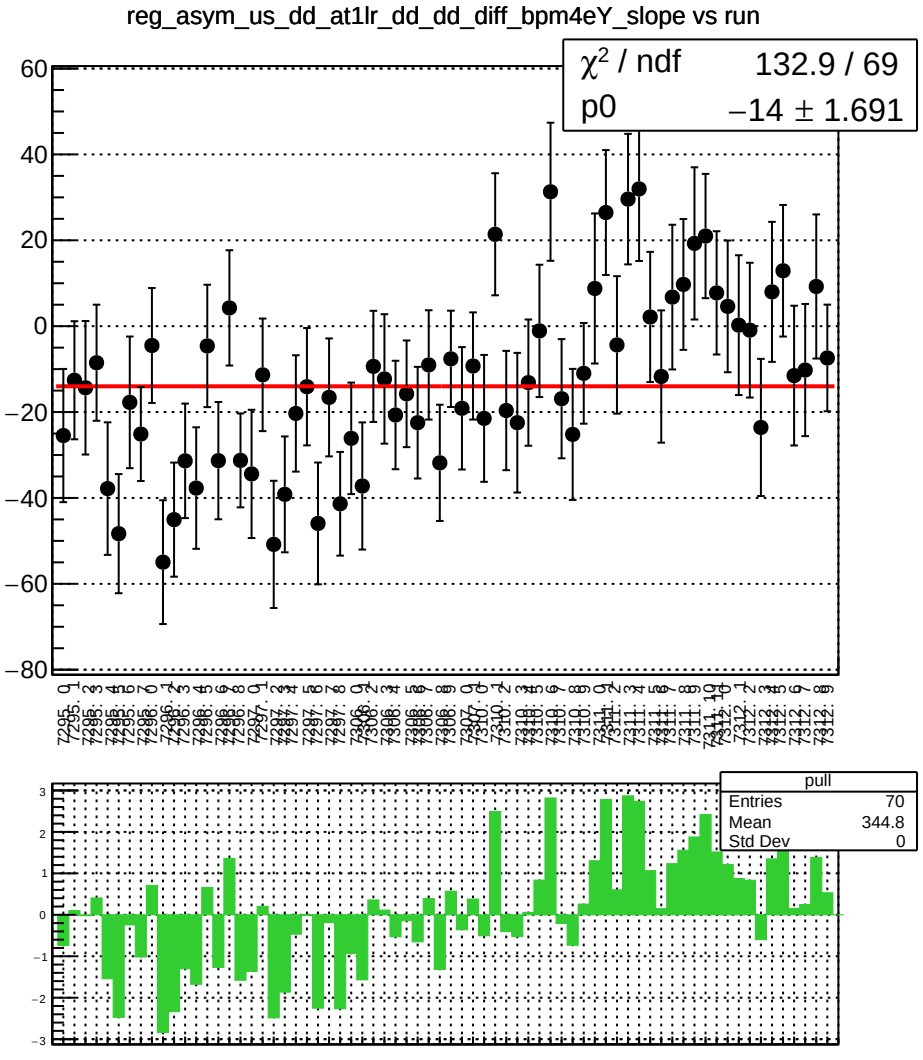

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 79.91 / 69
p0 1.192 ± 0.07738
pull
Entries 70
Mean 518.9
Std Dev 0

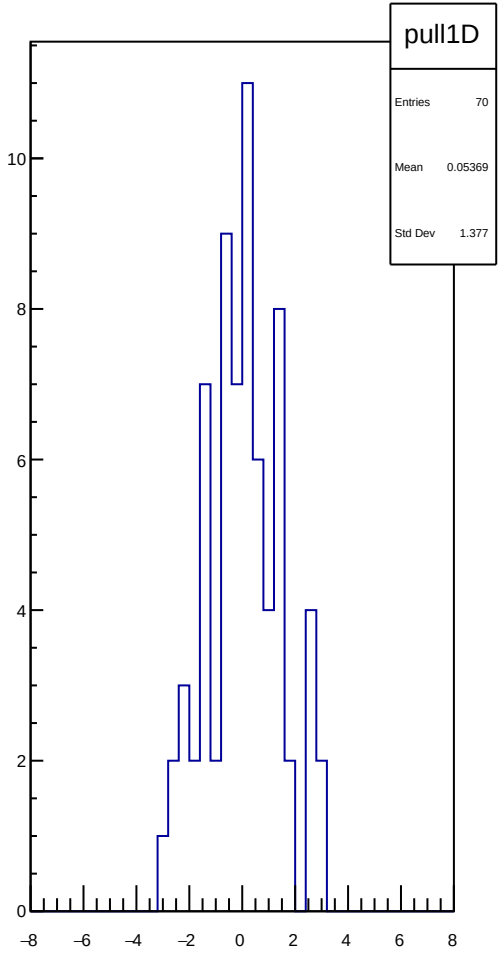

pull1D
Entries 70
Mean −0.003593
Std Dev 1.068

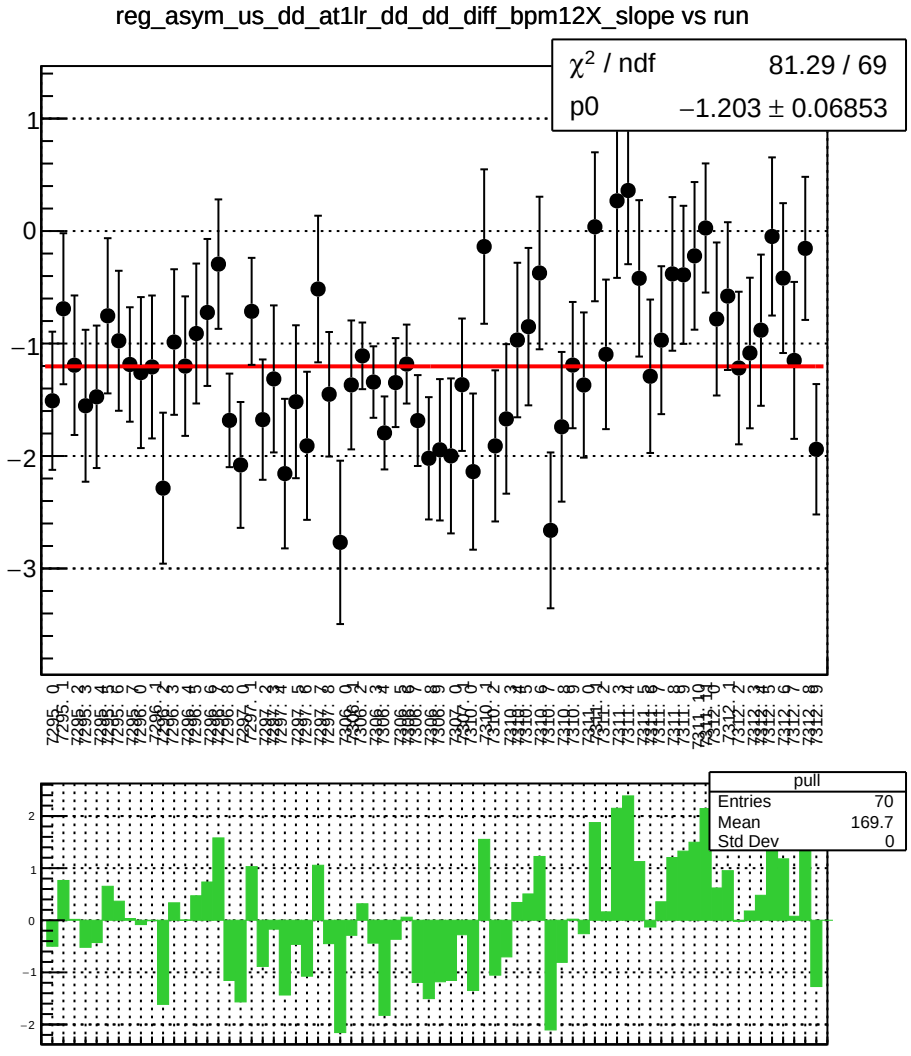

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 171.5 / 69
p0 −57.18 ± 1.749
pull
Entries 70
Mean 120.1
Std Dev 0
pull1D
Entries 70
Mean 0.227
Std Dev 1.548

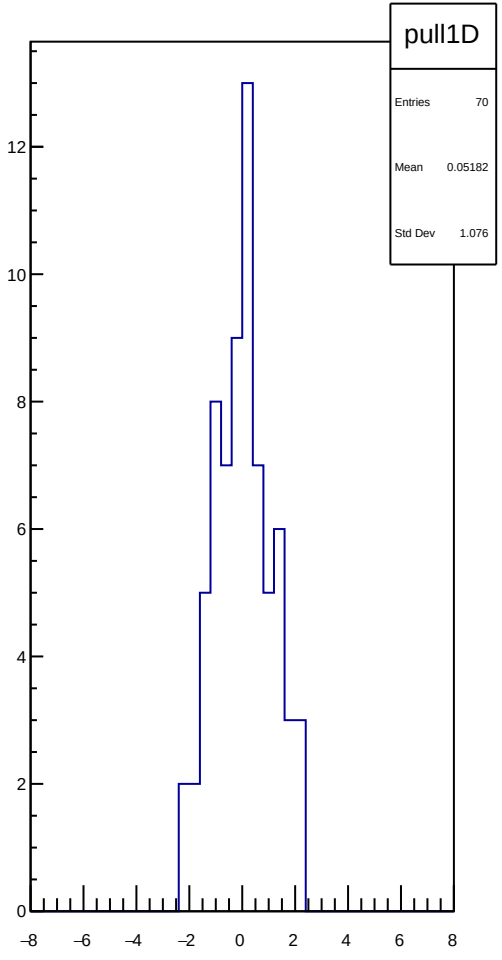

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.1 / 69
p0 14.47 ± 1.58
pull
Entries 70
Mean 432.8
Std Dev 0
pull1D
Entries 70
Mean −0.03925
Std Dev 1.32

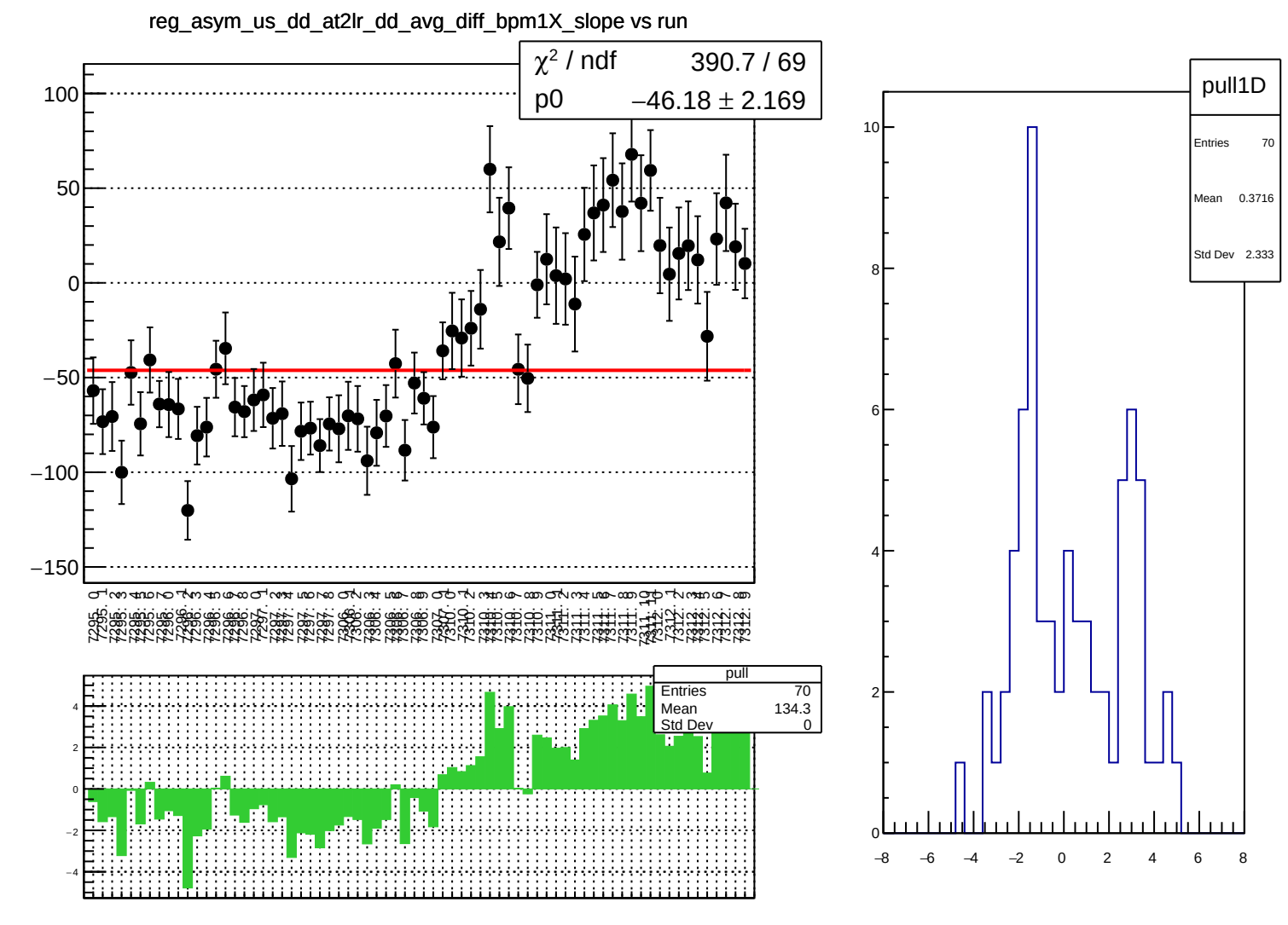

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 175.4 / 69
p0 −49.69 ± 1.727
pull
Entries 70
Mean 118.7
Std Dev 0
pull1D
Entries 70
Mean −0.2392
Std Dev 1.565

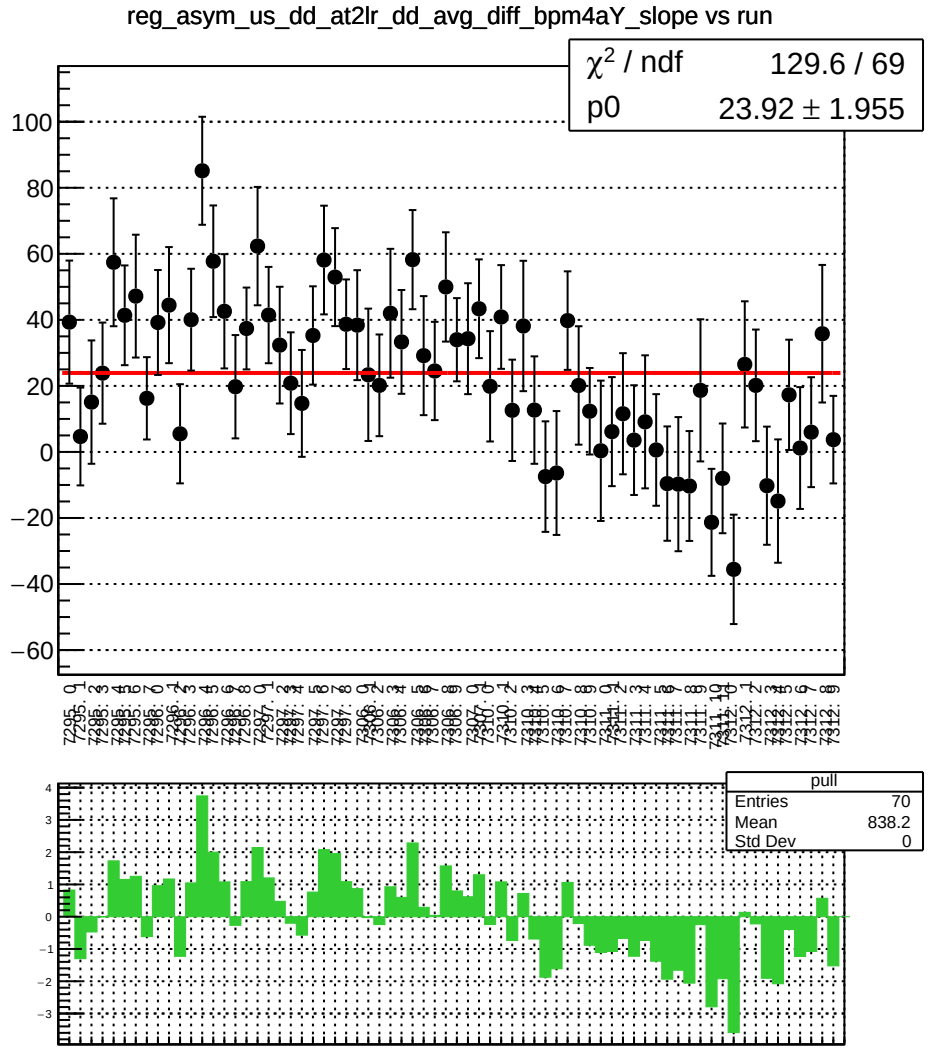

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.9 / 69
p0 −14 ± 1.691
pull
Entries 70
Mean 344.8
Std Dev 0

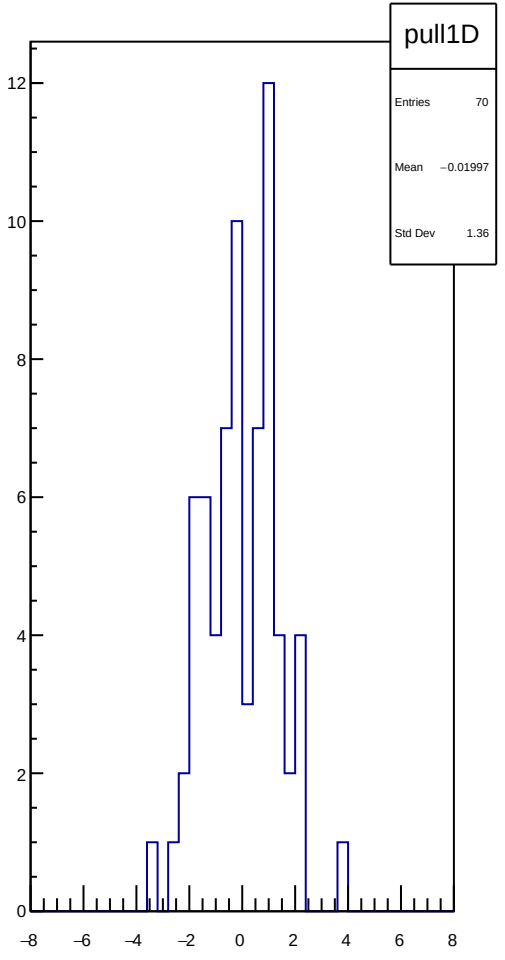

pull1D
Entries 70
Mean 0.05369
Std Dev 1.377

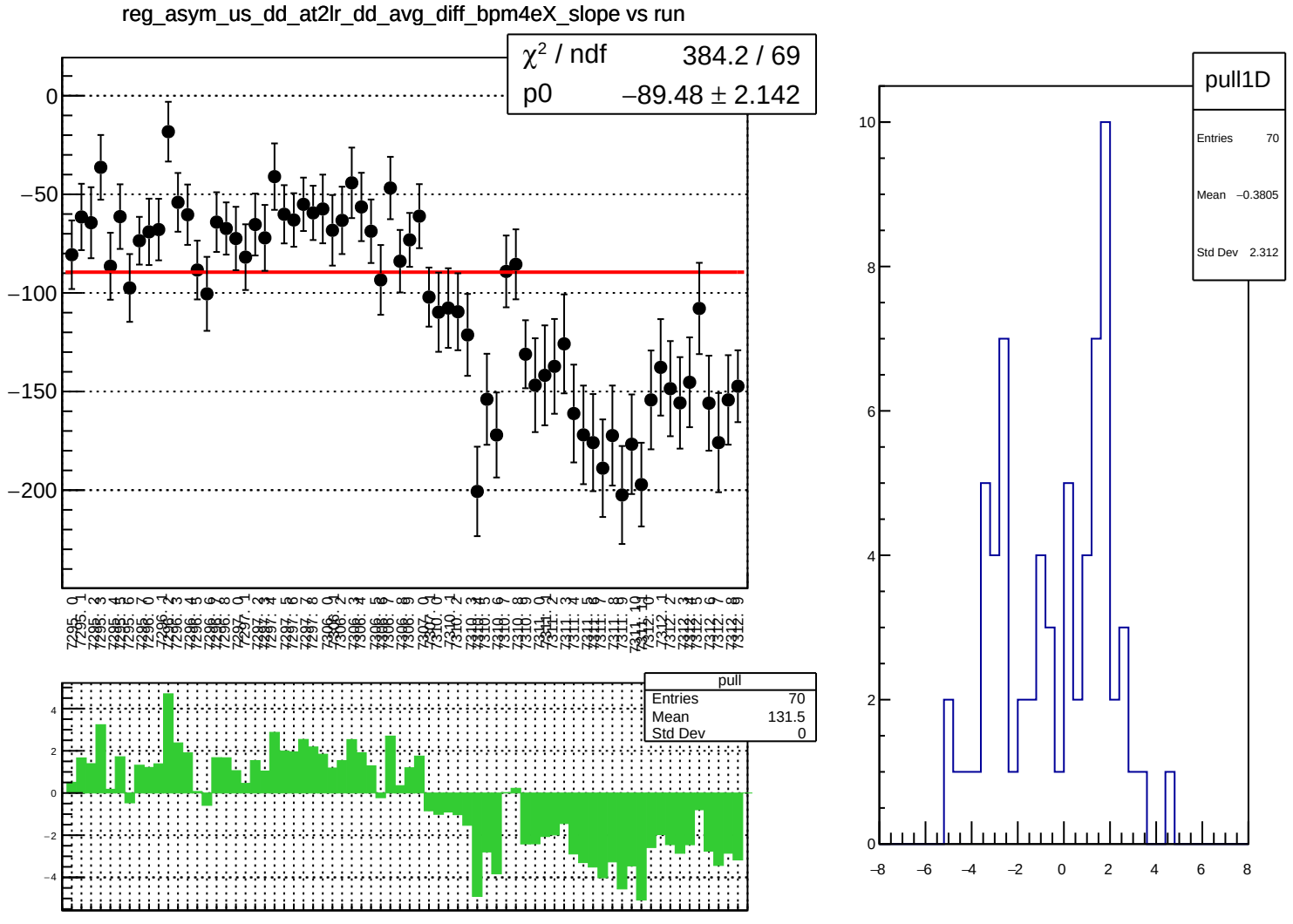

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 81.29 / 69
p0 −1.203 ± 0.06853
pull
Entries 70
Mean 169.7
Std Dev 0

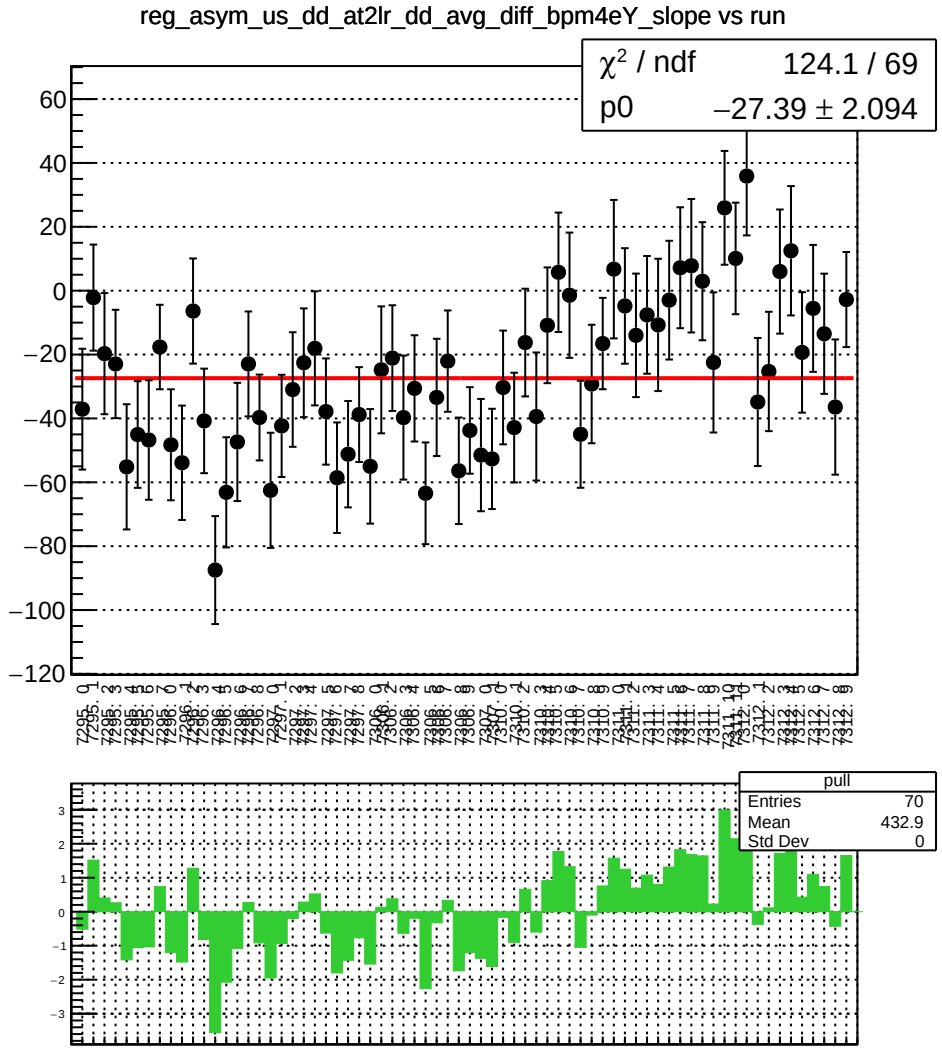

pull1D
Entries 70
Mean 0.05182
Std Dev 1.076

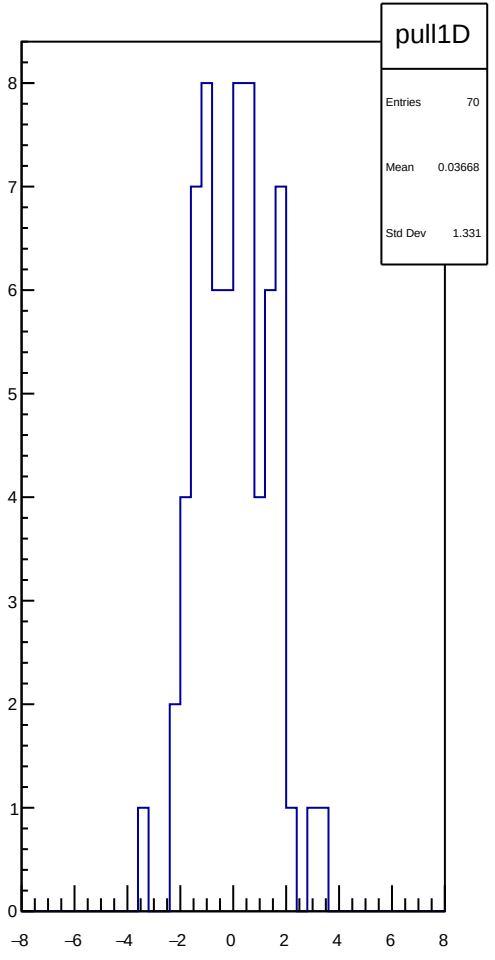

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 390.7 / 69
p0 −46.18 ± 2.169
pull
Entries 70
Mean 134.3
Std Dev 0
pull1D
Entries 70
Mean 0.3716
Std Dev 2.333

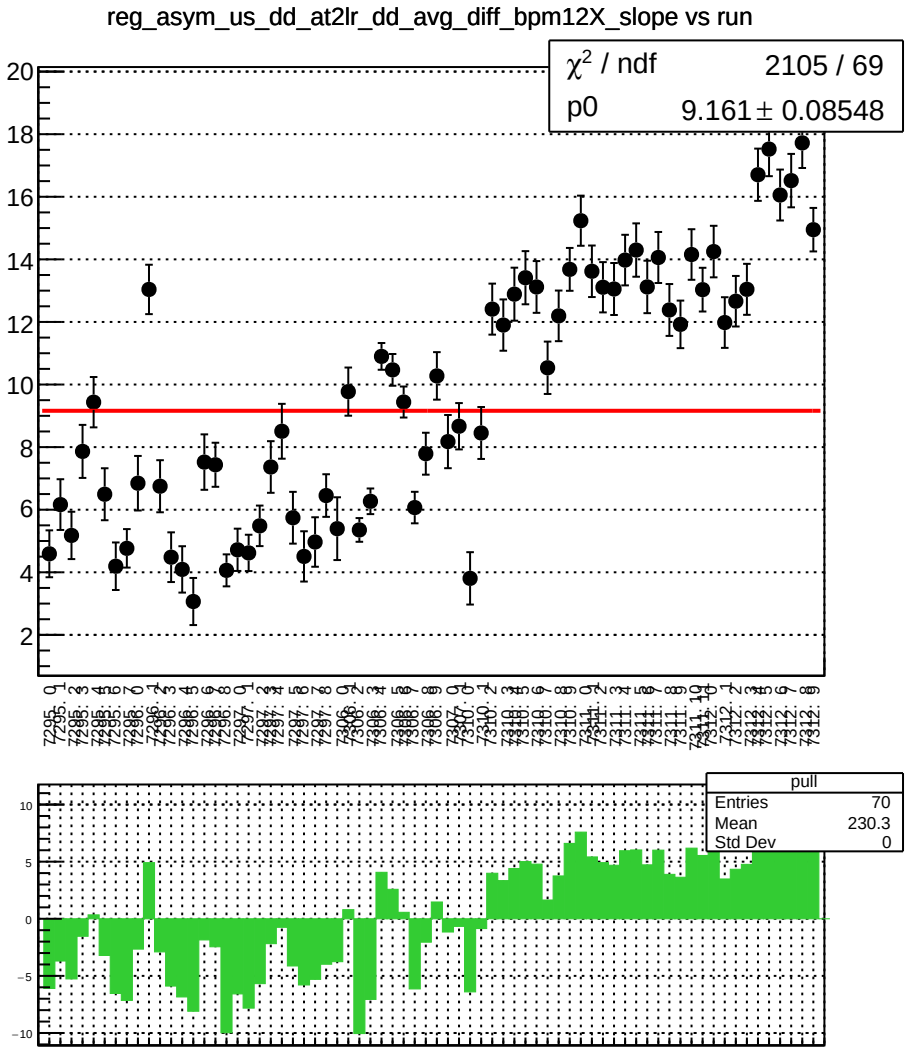

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 129.6 / 69
p0 23.92 ± 1.955
pull
Entries 70
Mean 838.2
Std Dev 0

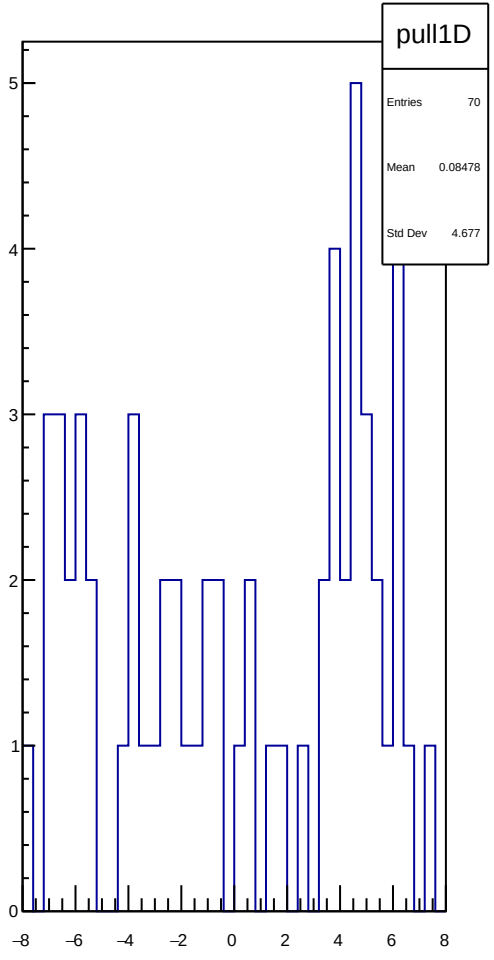

pull1D
Entries 70
Mean −0.01997
Std Dev 1.36

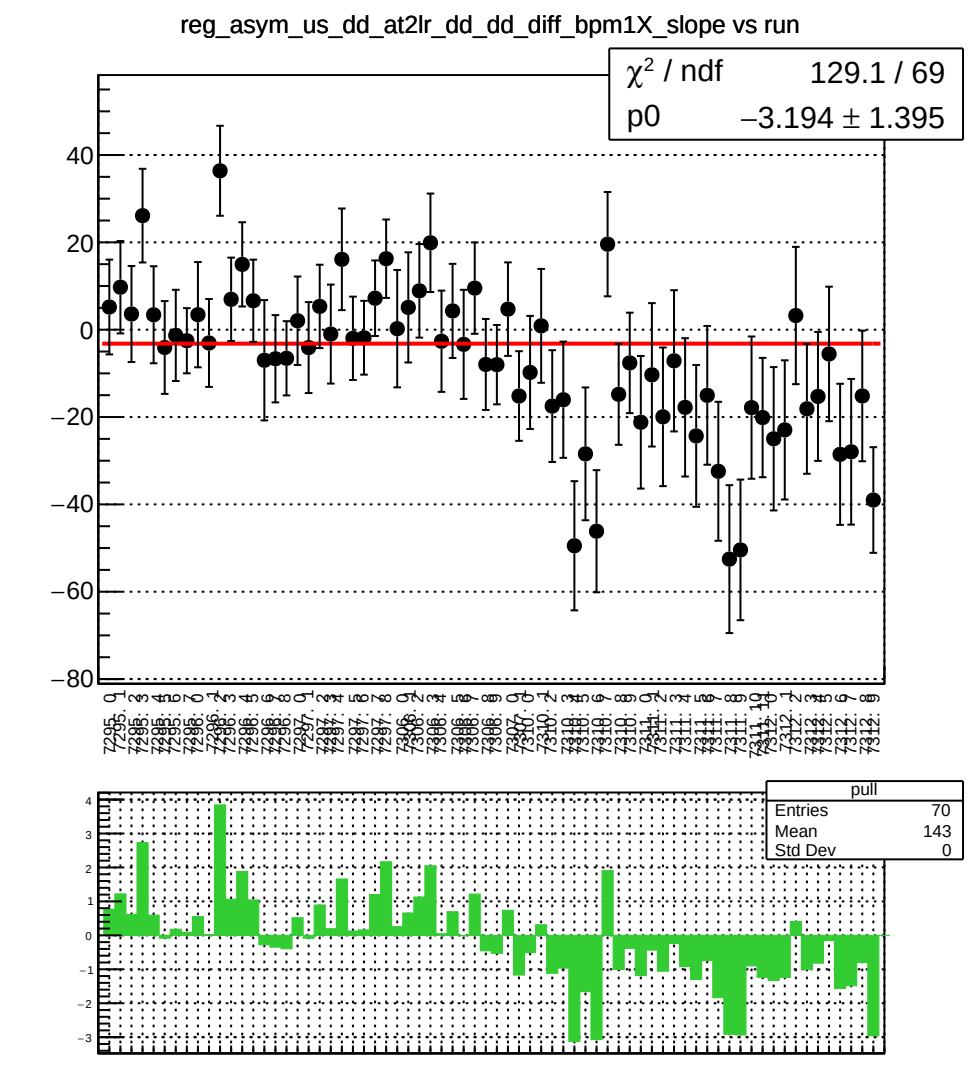

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 384.2 / 69
p0 −89.48 ± 2.142
pull
Entries 70
Mean 131.5
Std Dev 0
pull1D
Entries 70
Mean −0.3805
Std Dev 2.312

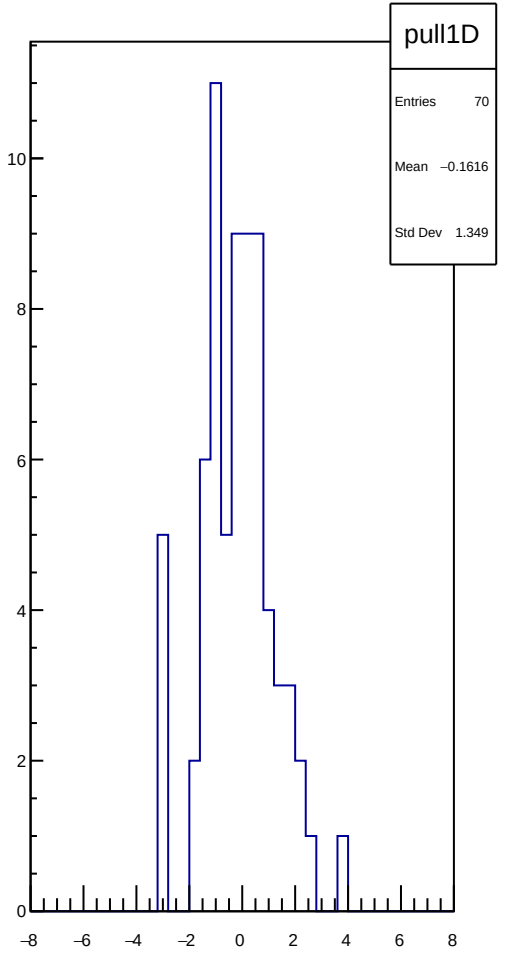

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 124.1 / 69
p0 −27.39 ± 2.094
pull
Entries 70
Mean 432.9
Std Dev 0

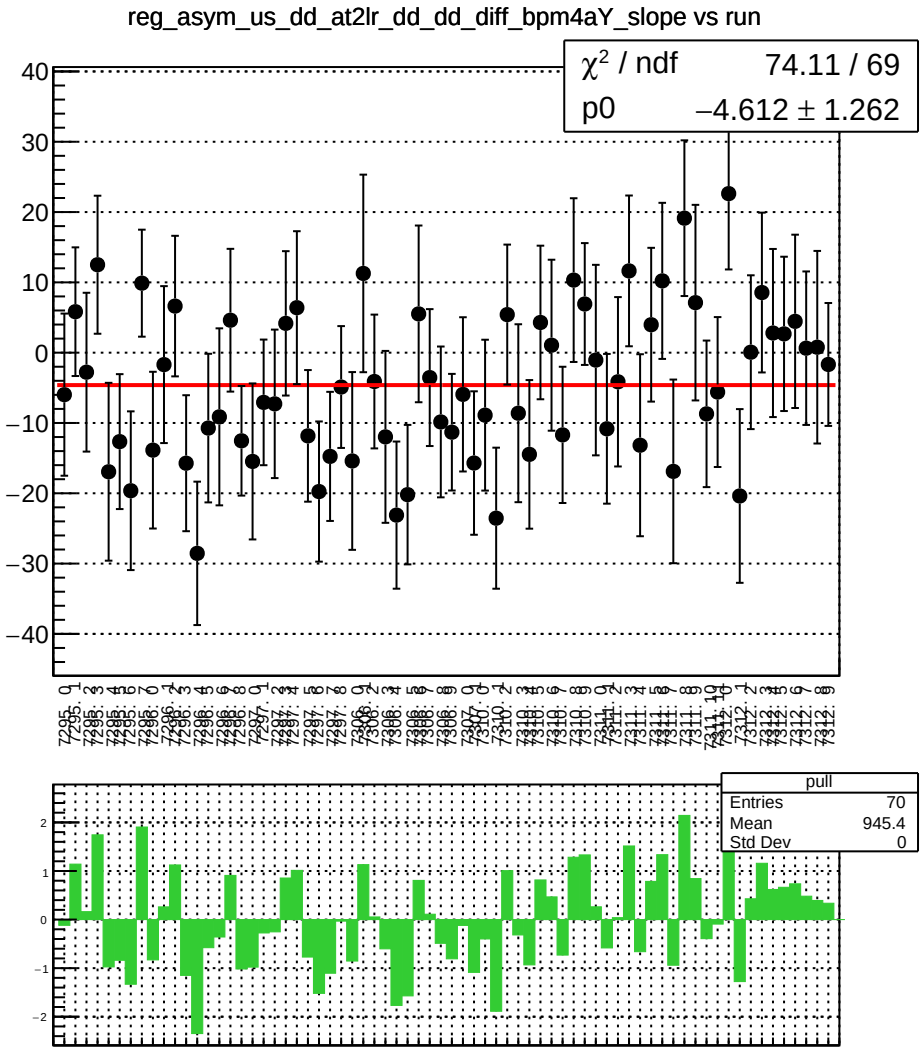

pull1D
Entries 70
Mean 0.03668
Std Dev 1.331

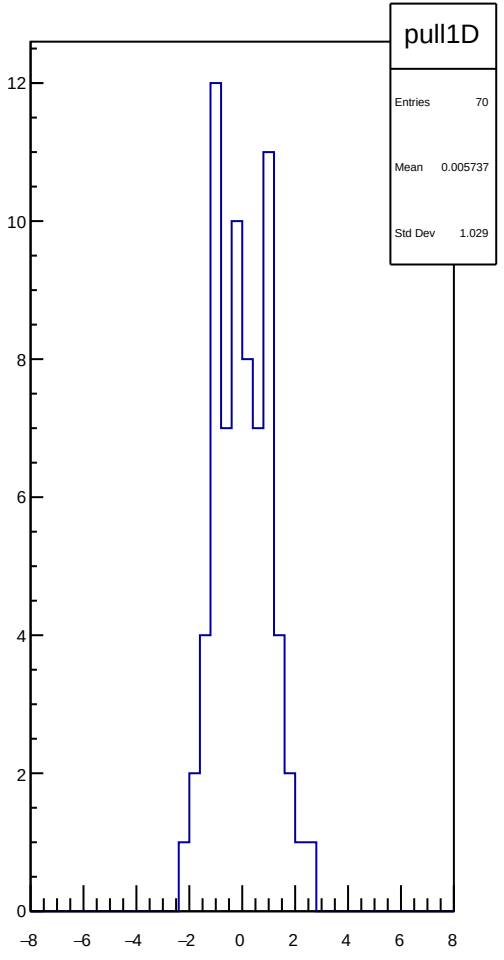

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 2105 / 69
p0 9.161 ± 0.08548
pull
Entries 70
Mean 230.3
Std Dev 0

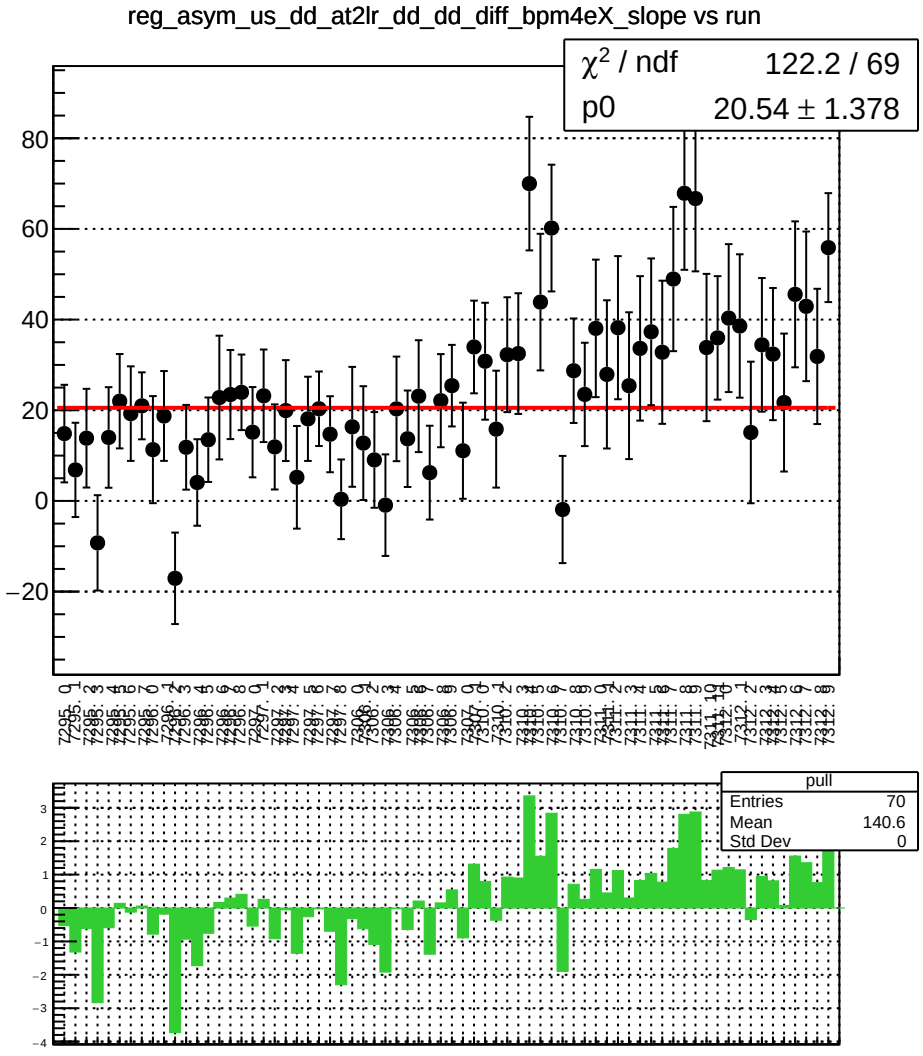

pull1D
Entries 70
Mean 0.08478
Std Dev 4.677

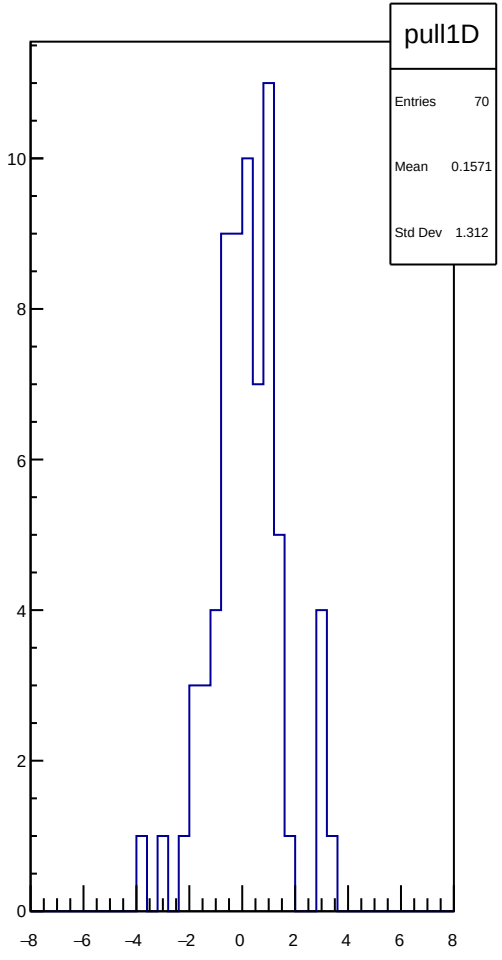

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 129.1 / 69
p0 −3.194 ± 1.395
pull
Entries 70
Mean 143
Std Dev 0

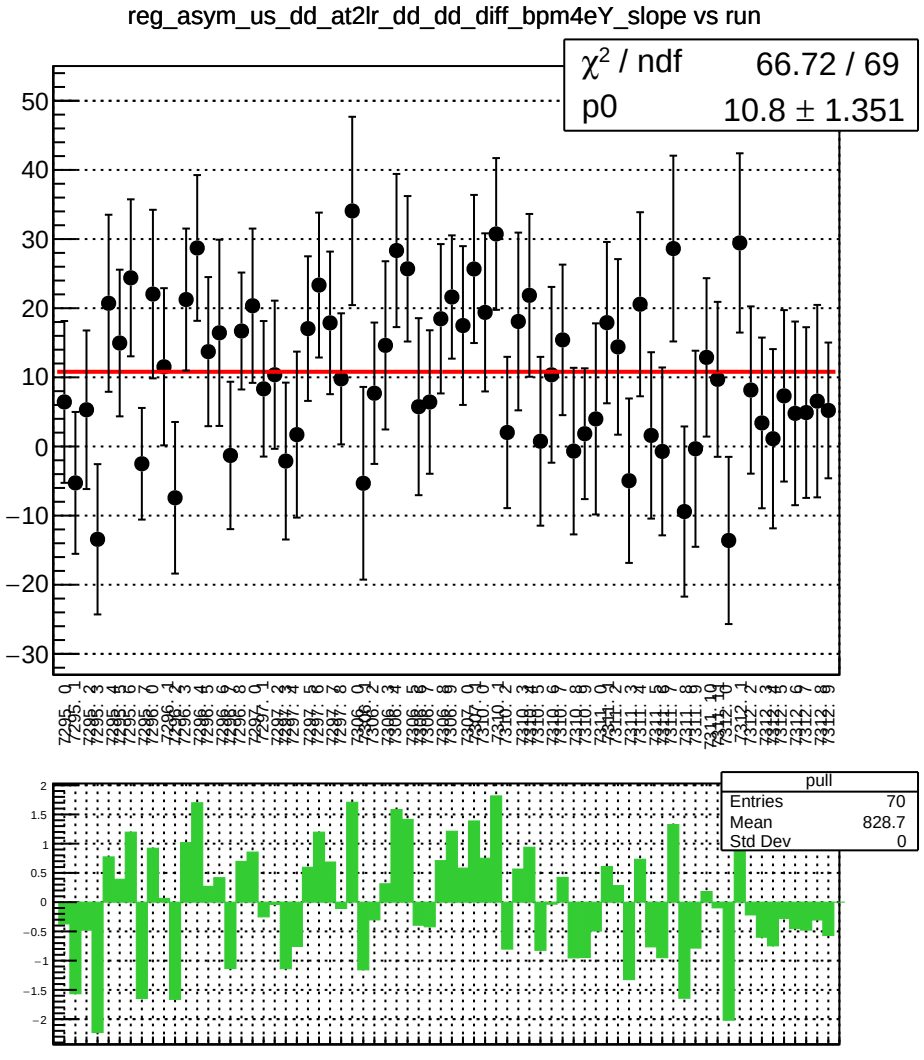

pull1D
Entries 70
Mean −0.1616
Std Dev 1.349

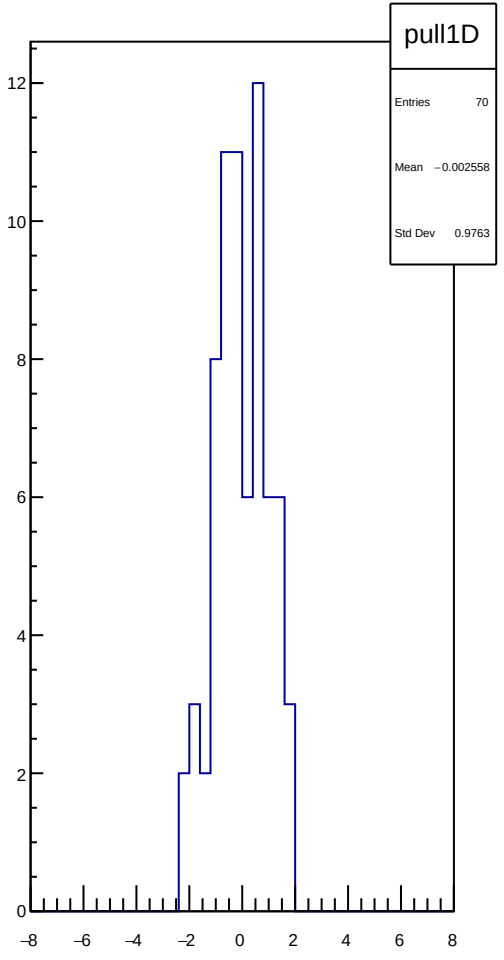

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.11 / 69
p0 −4.612 ± 1.262
pull
Entries 70
Mean 945.4
Std Dev 0

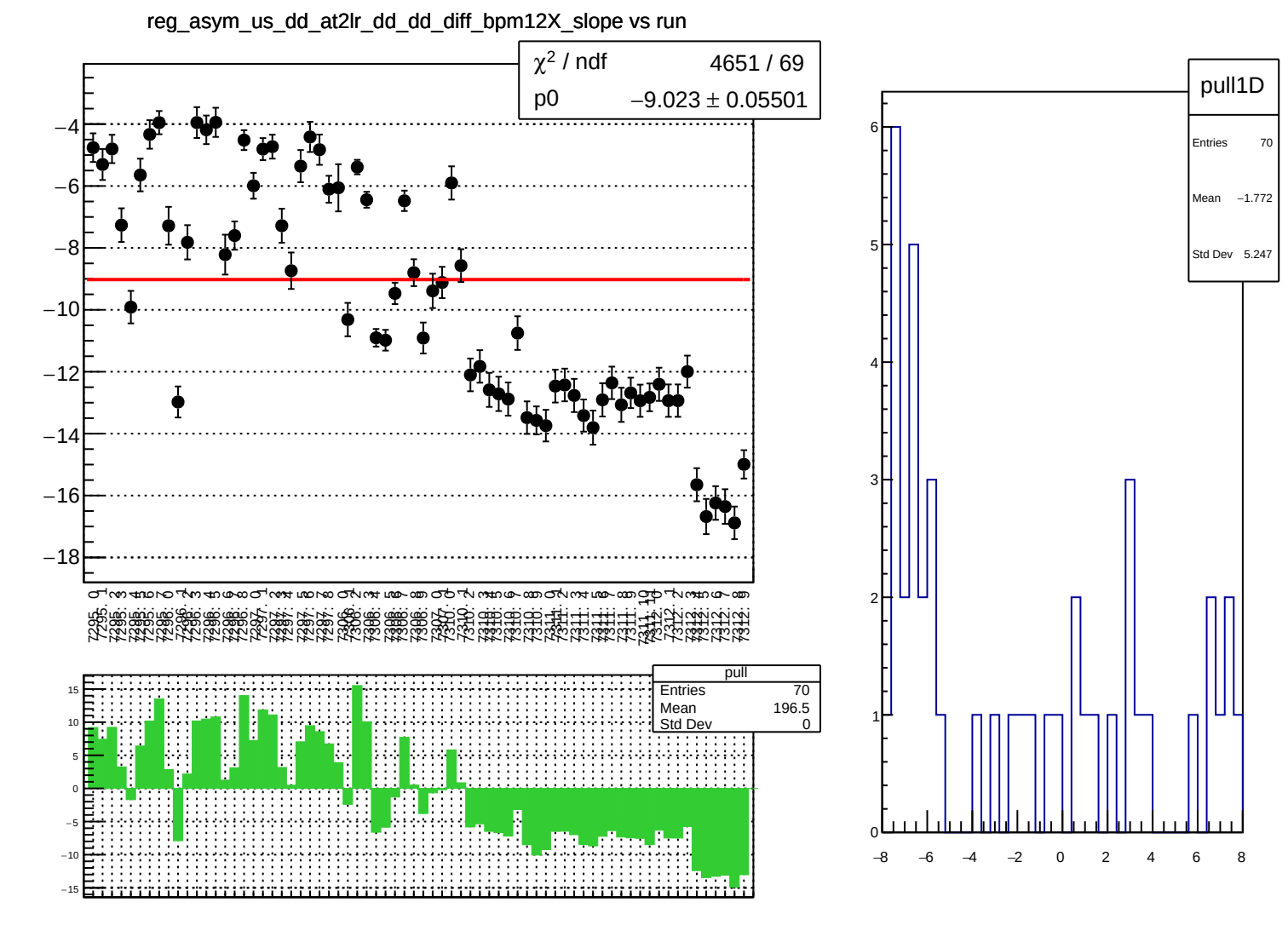

pull1D
Entries 70
Mean 0.005737
Std Dev 1.029

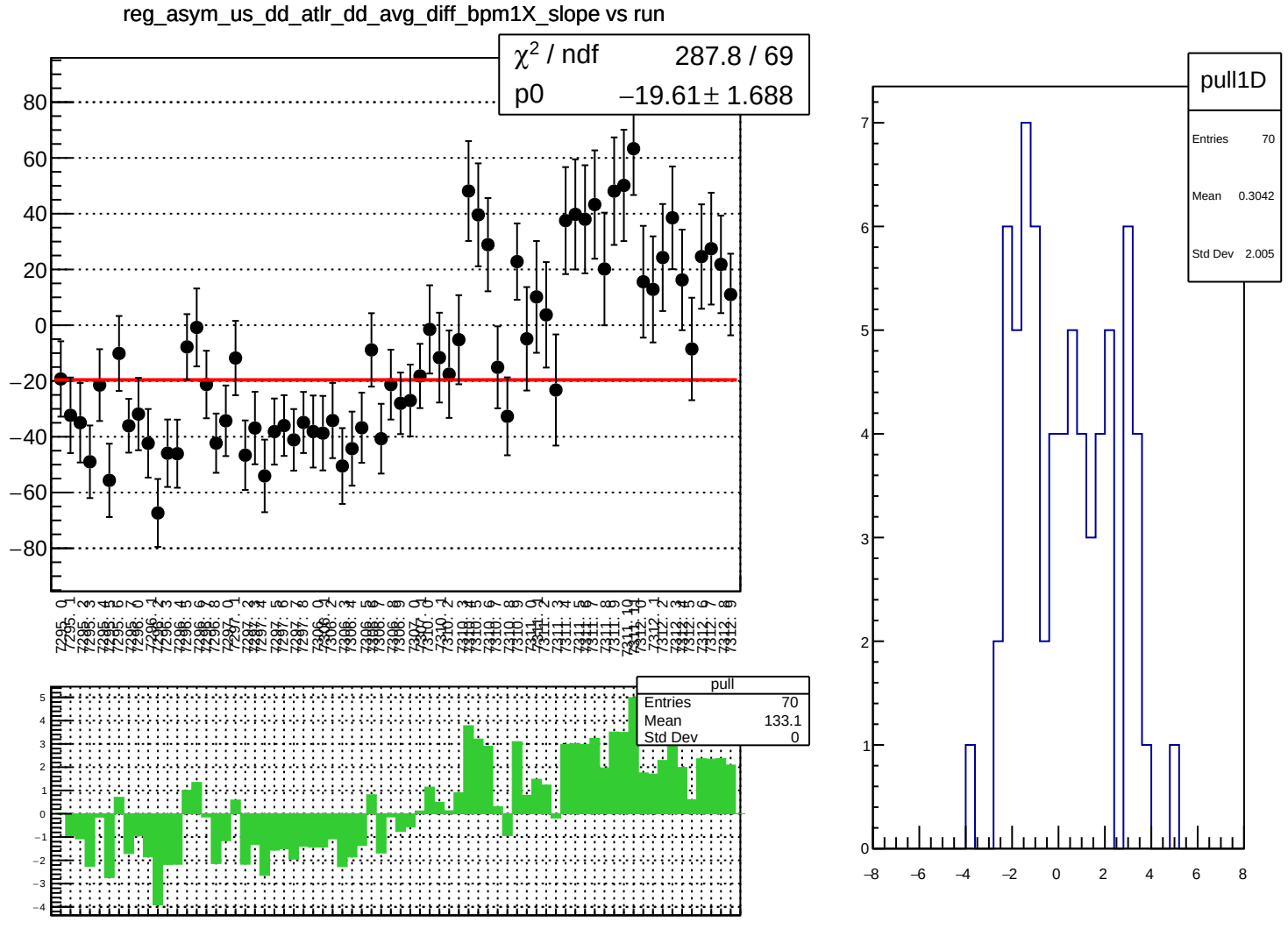

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 122.2 / 69
p0 20.54 ± 1.378
pull
Entries 70
Mean 140.6
Std Dev 0

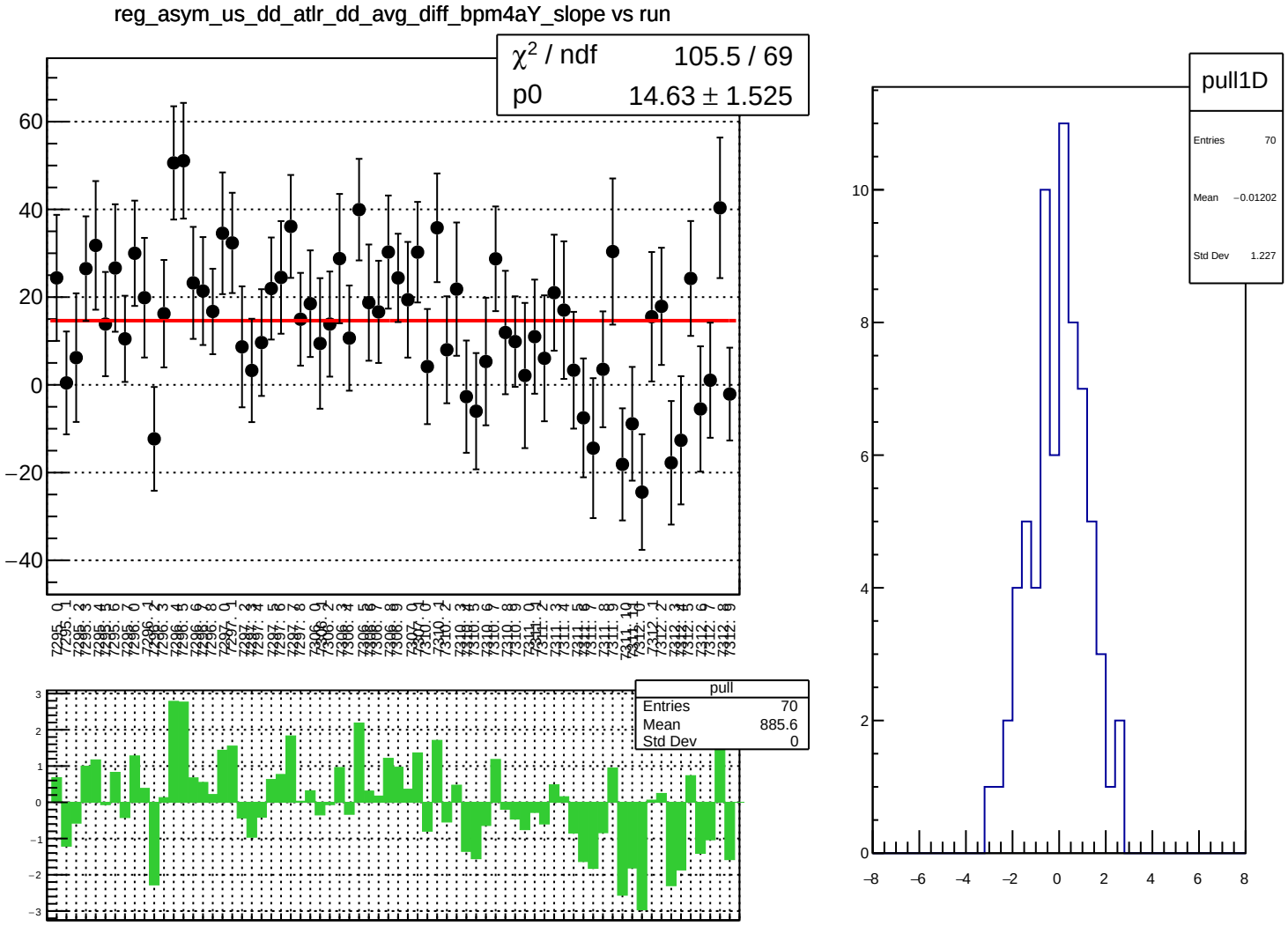

pull1D
Entries 70
Mean 0.1571
Std Dev 1.312

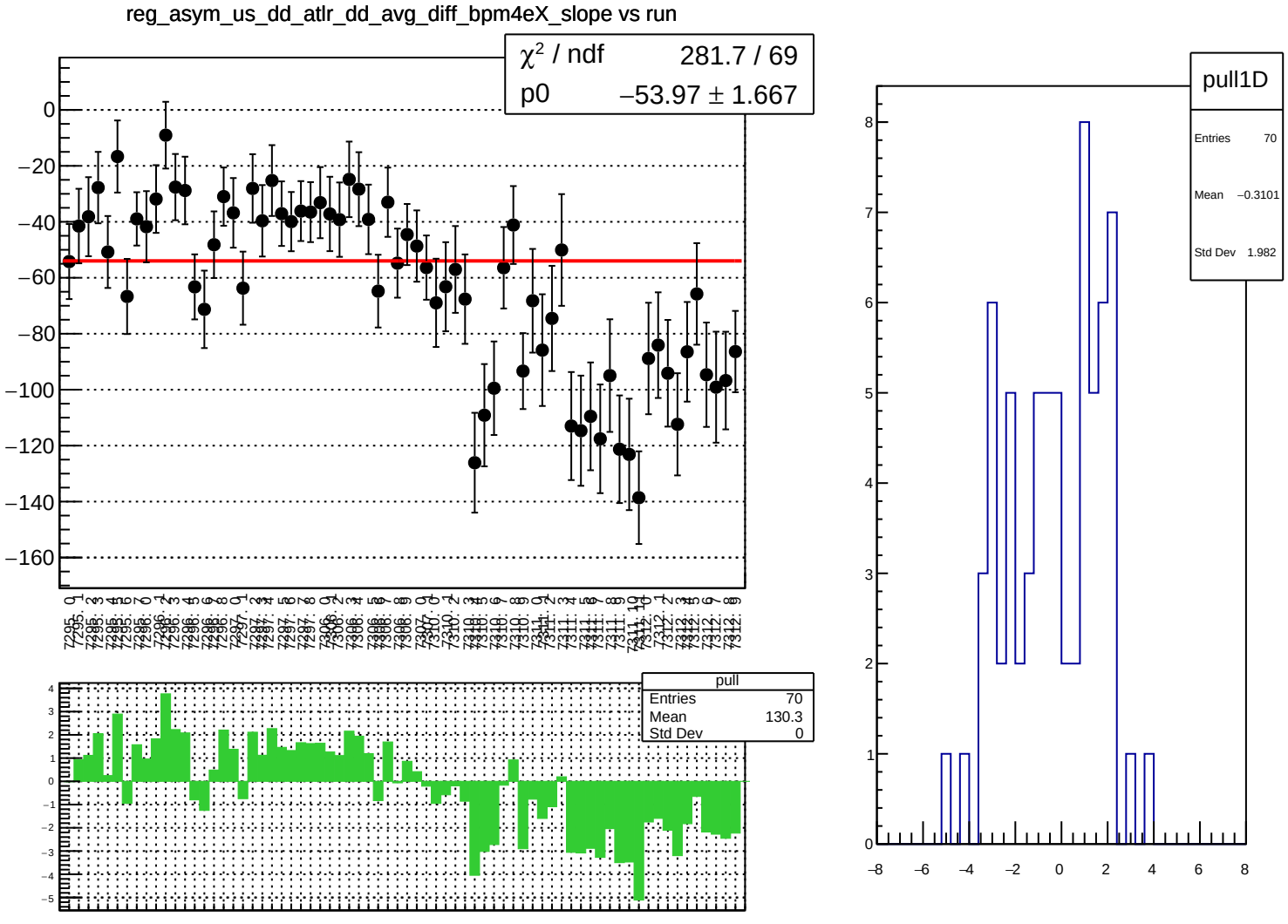

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.72 / 69
p0 10.8 ± 1.351
pull
Entries 70
Mean 828.7
Std Dev 0

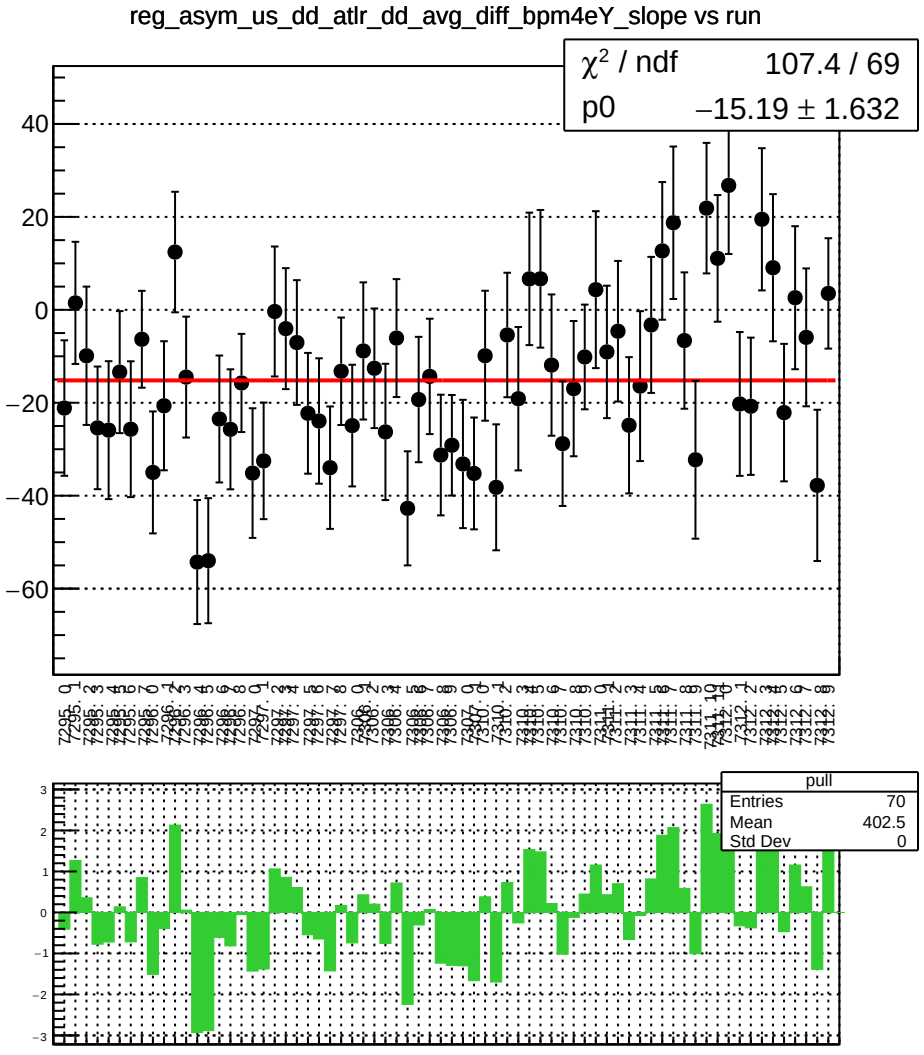

pull1D
Entries 70
Mean −0.002558
Std Dev 0.9763

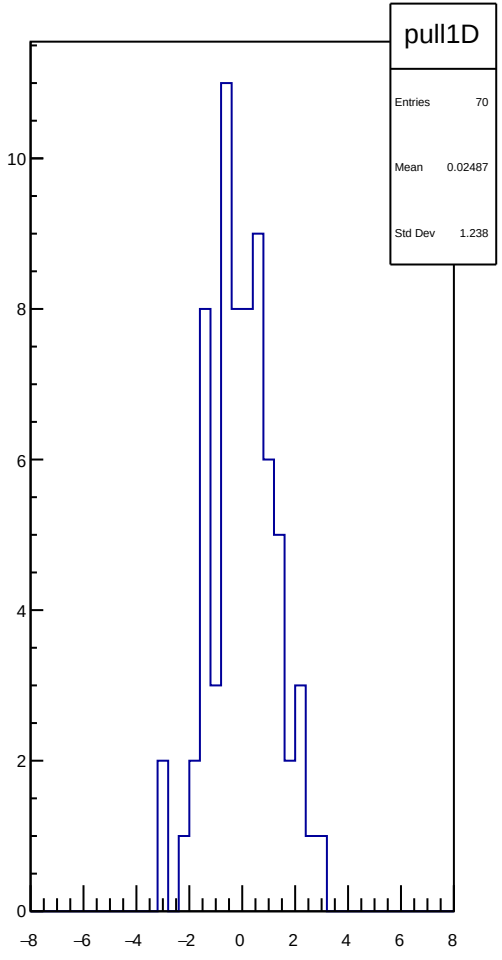

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 4651 / 69
p0 −9.023 ± 0.05501
pull
Entries 70
Mean 196.5
Std Dev 0
pull1D
Entries 70
Mean −1.772
Std Dev 5.247

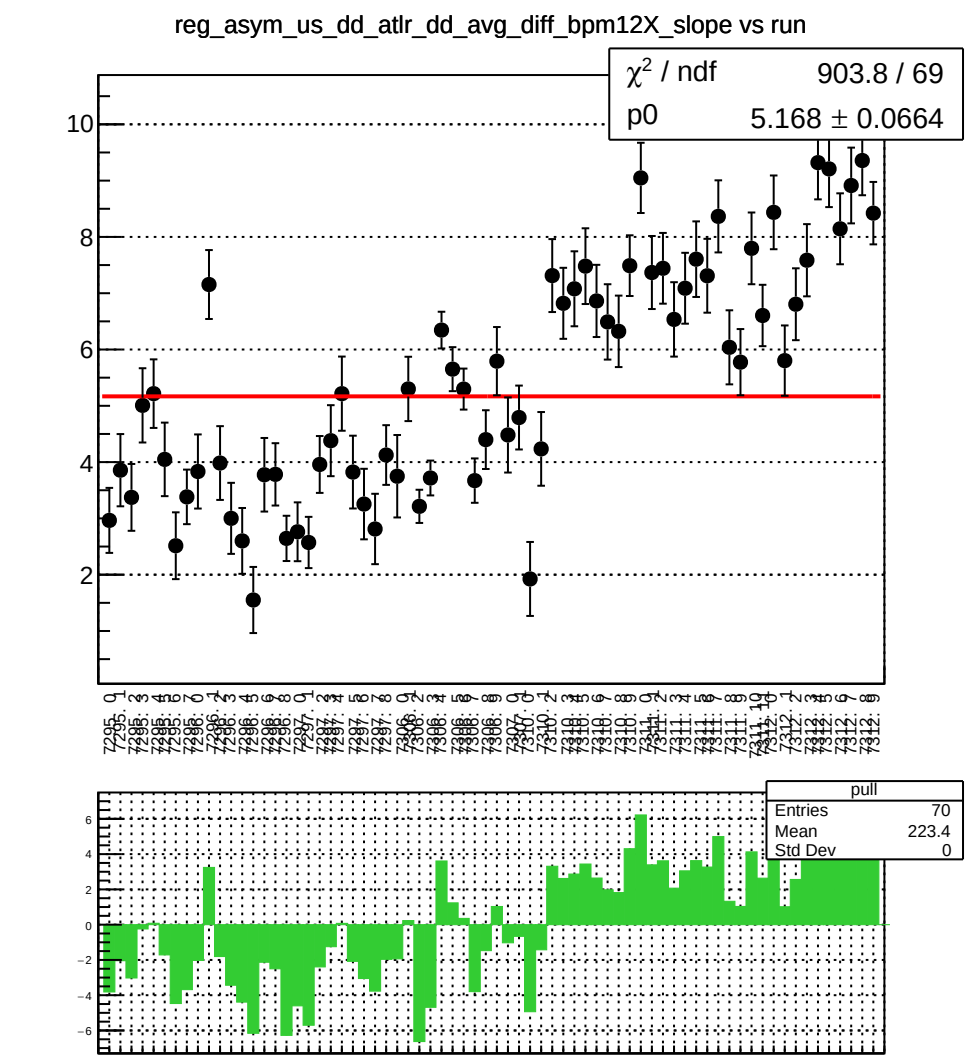

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 287.8 / 69
p0 −19.61 ± 1.688
pull
Entries 70
Mean 133.1
Std Dev 0
pull1D
Entries 70
Mean 0.3042
Std Dev 2.005

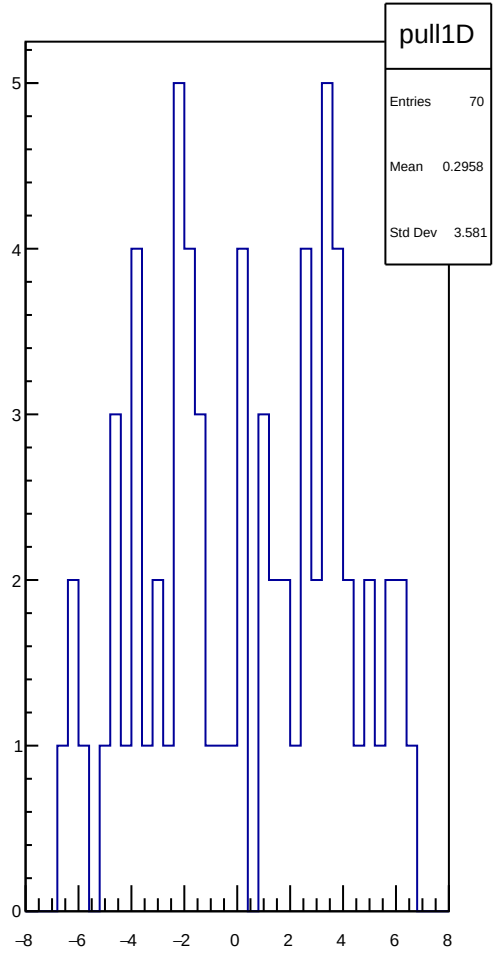

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 69
p0 14.63 ± 1.525
pull
Entries 70
Mean 885.6
Std Dev 0
pull1D
Entries 70
Mean −0.01202
Std Dev 1.227

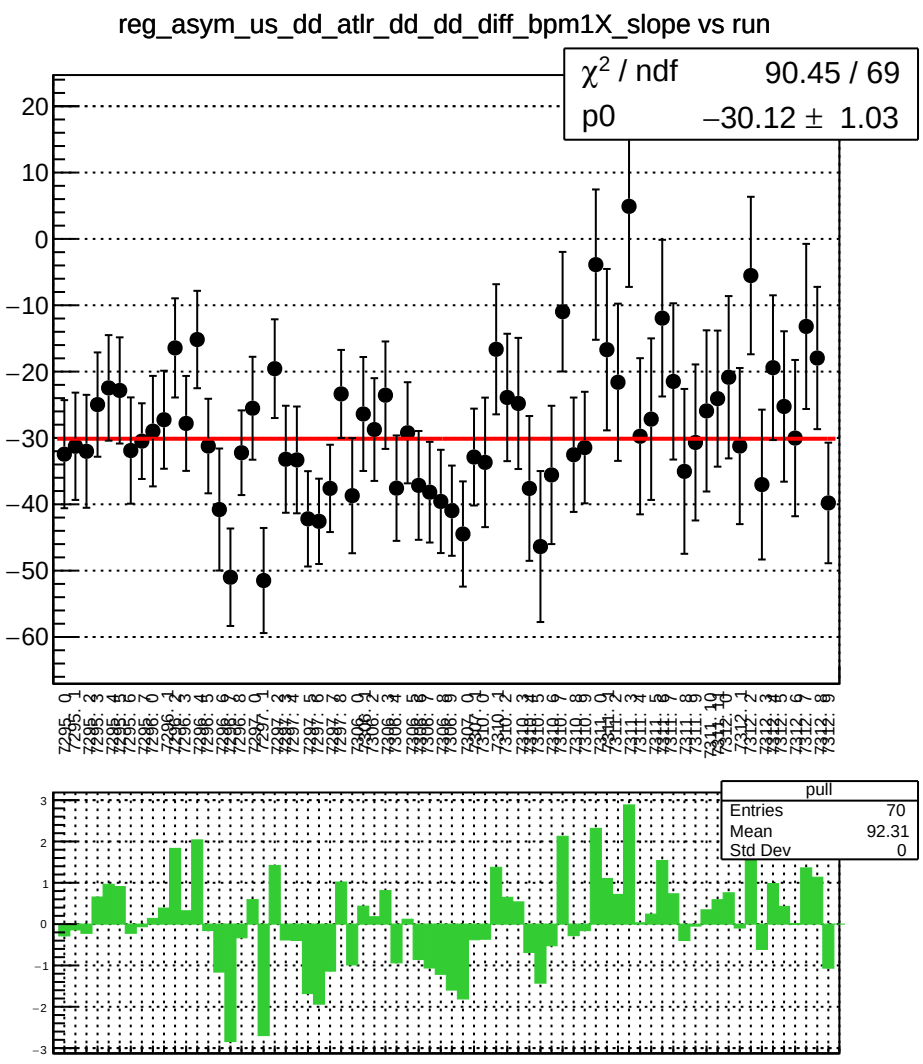

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 281.7 / 69
p0 −53.97 ± 1.667
pull
Entries 70
Mean 130.3
Std Dev 0
pull1D
Entries 70
Mean −0.3101
Std Dev 1.982

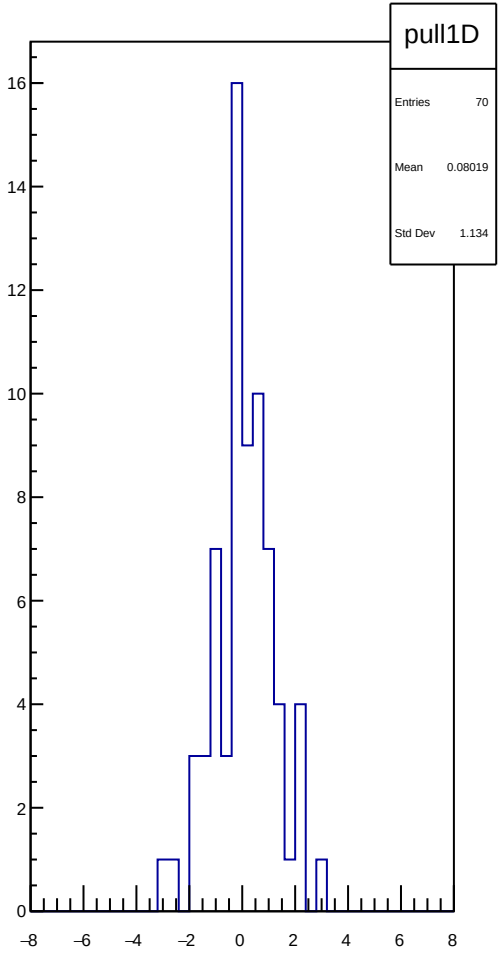

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 107.4 / 69
p0 −15.19 ± 1.632
pull
Entries 70
Mean 402.5
Std Dev 0

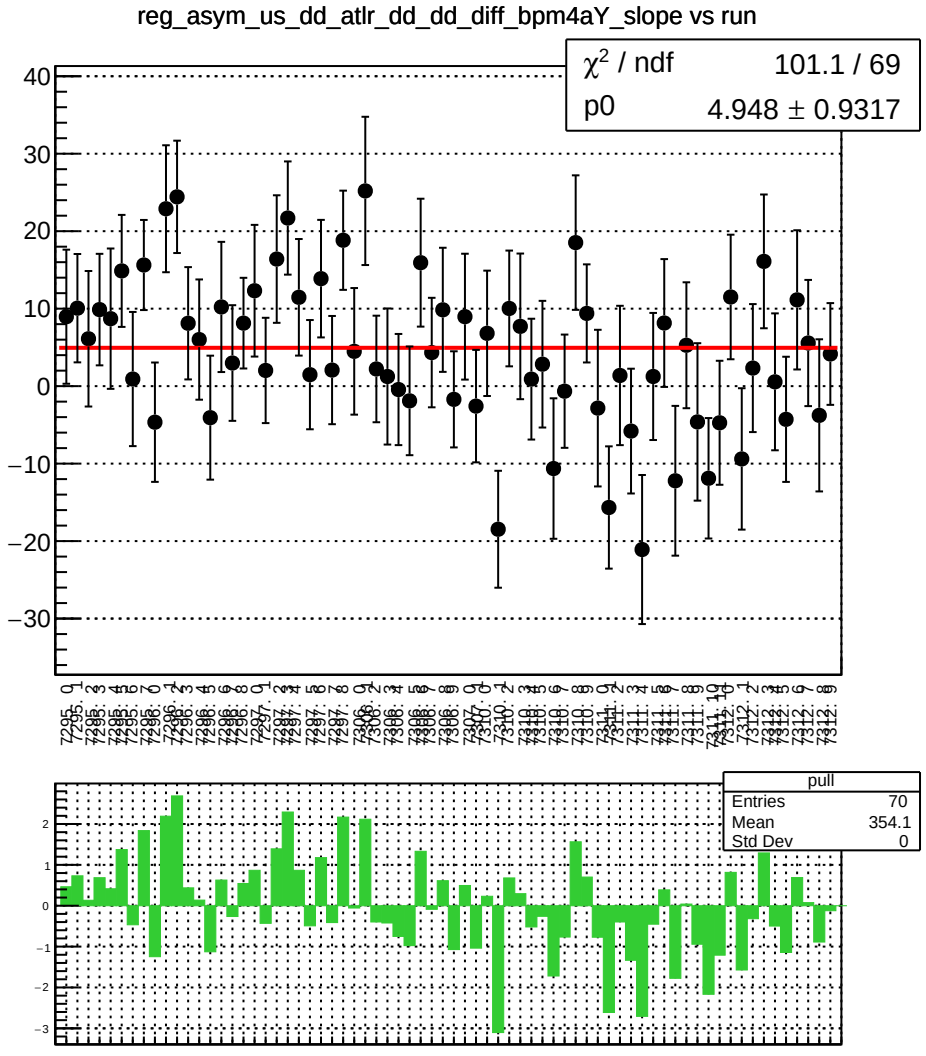

pull1D
Entries 70
Mean 0.02487
Std Dev 1.238

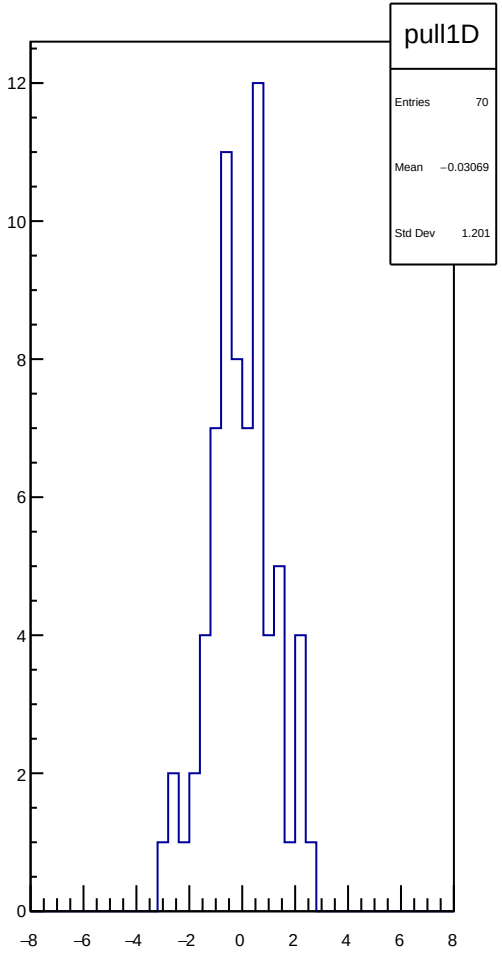

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 903.8 / 69
p0 5.168 ± 0.0664
pull
Entries 70
Mean 223.4
Std Dev 0

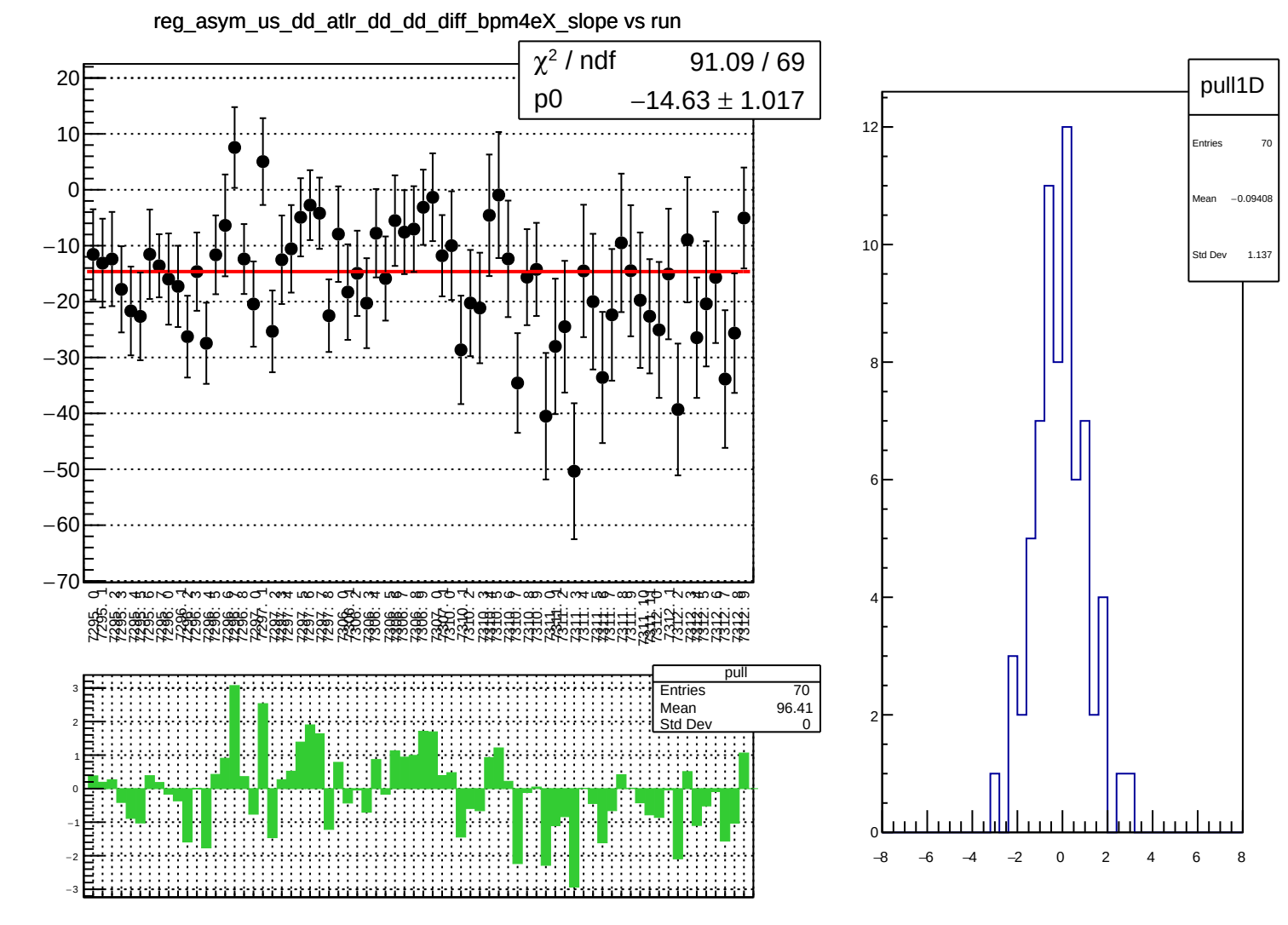

pull1D
Entries 70
Mean 0.2958
Std Dev 3.581

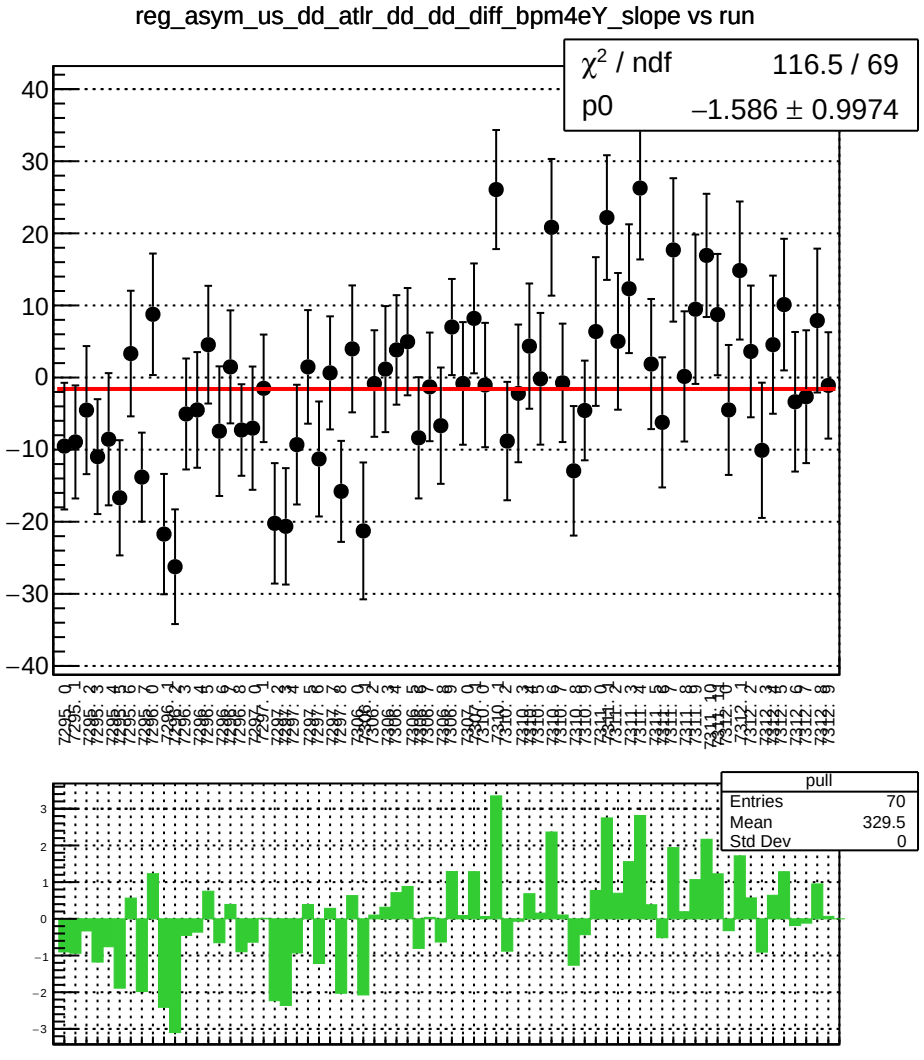

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 90.45 / 69
p0 −30.12 ± 1.03
pull
Entries 70
Mean 92.31
Std Dev 0

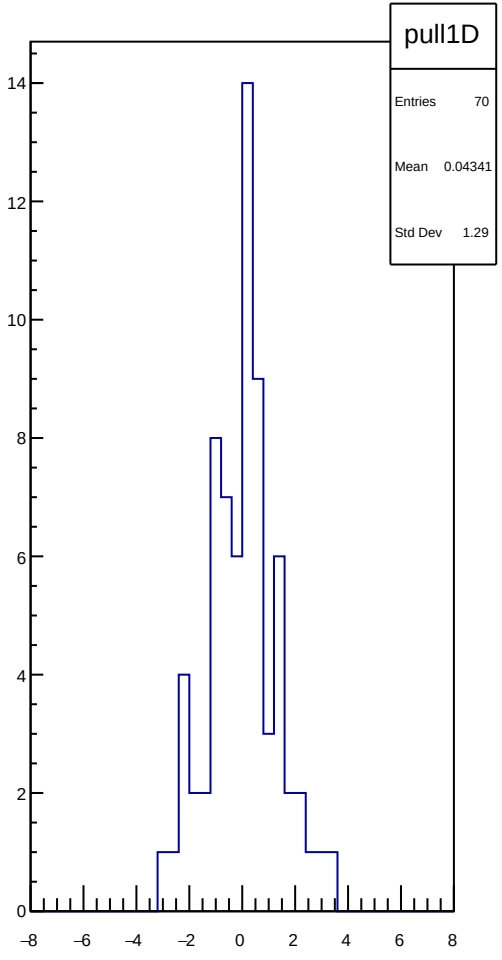

pull1D
Entries 70
Mean 0.08019
Std Dev 1.134

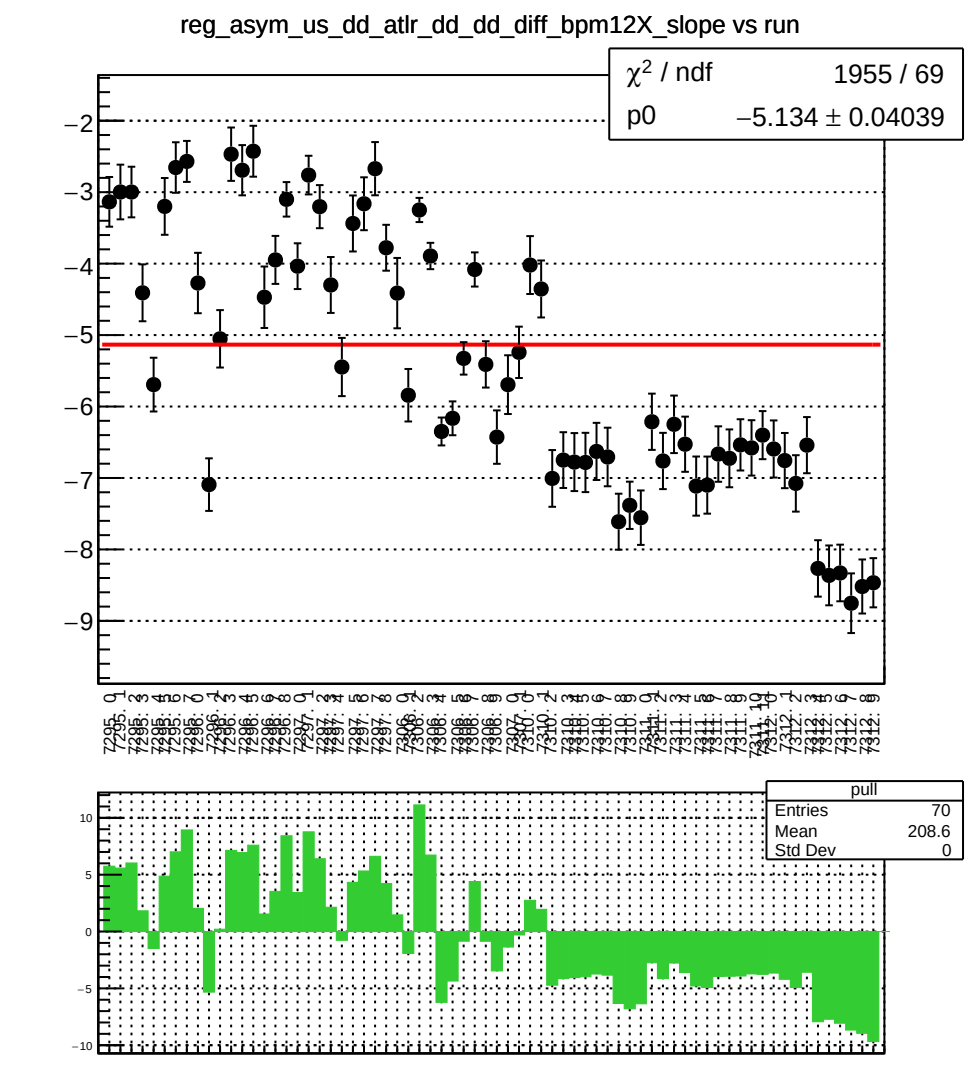

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 101.1 / 69
p0 4.948 ± 0.9317
pull
Entries 70
Mean 354.1
Std Dev 0

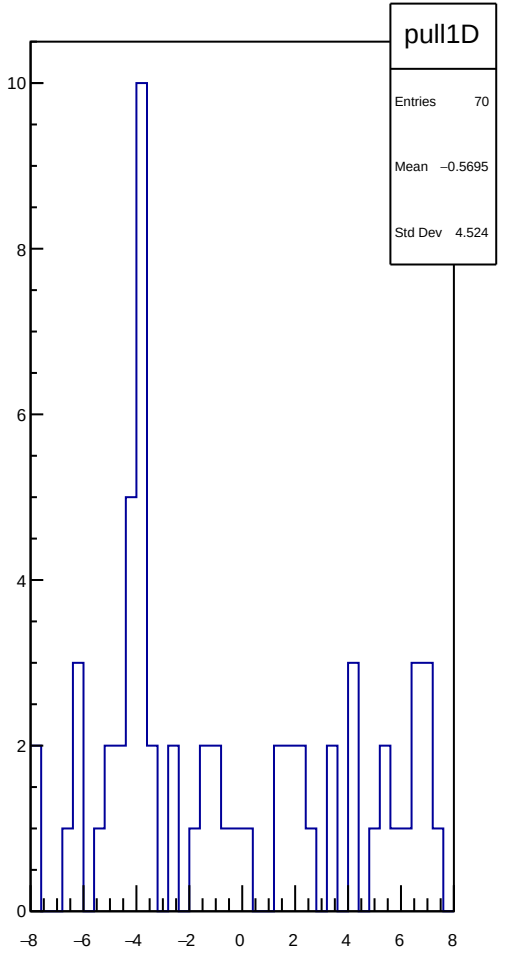

pull1D
Entries 70
Mean −0.03069
Std Dev 1.201

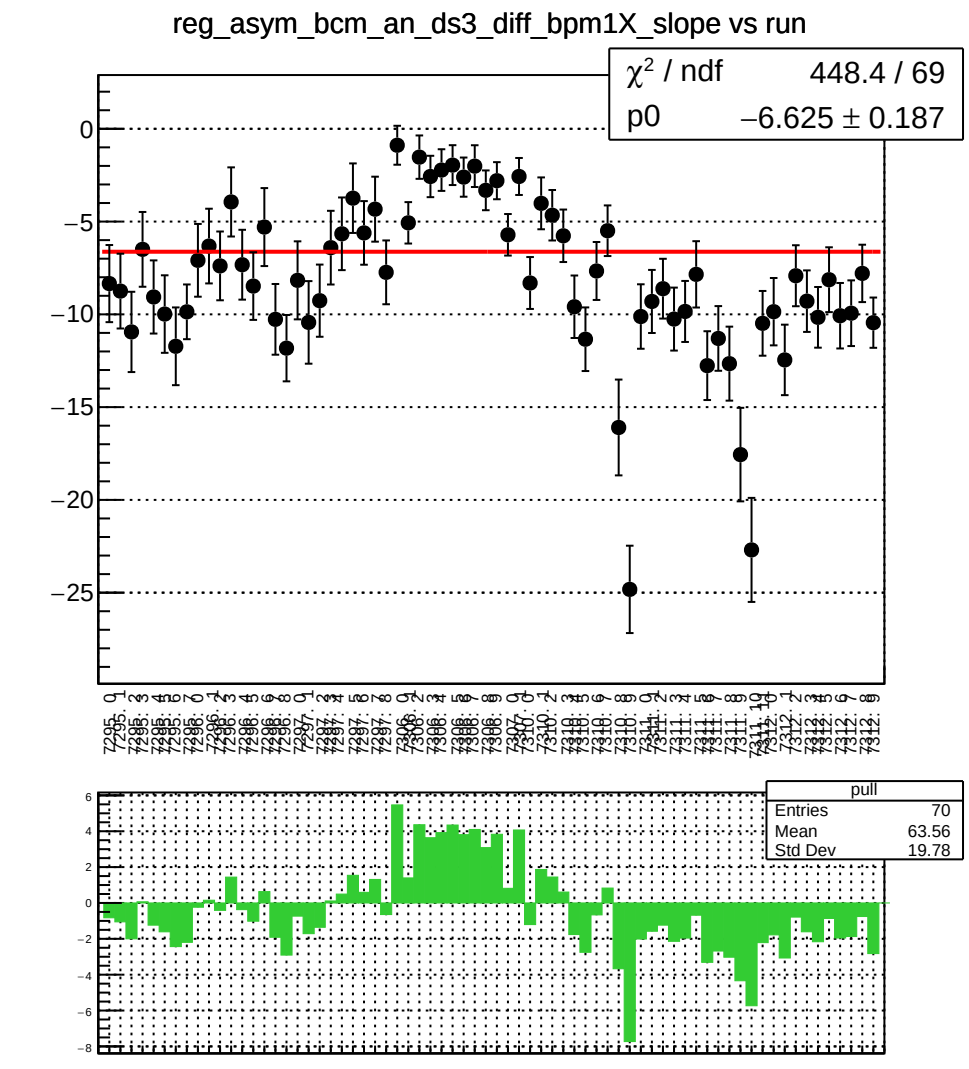

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.09 / 69
p0 −14.63 ± 1.017
pull
Entries 70
Mean 96.41
Std Dev 0
pull1D
Entries 70
Mean −0.09408
Std Dev 1.137

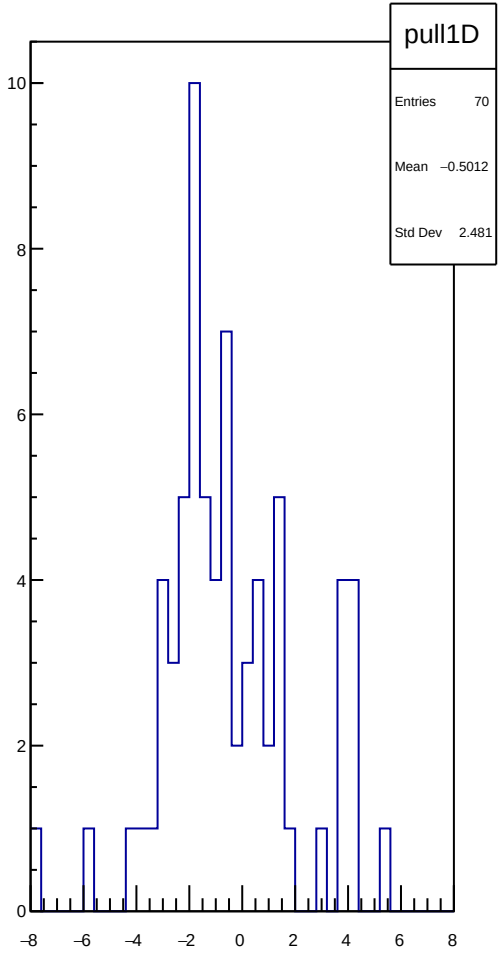

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 116.5 / 69
p0 −1.586 ± 0.9974
pull
Entries 70
Mean 329.5
Std Dev 0

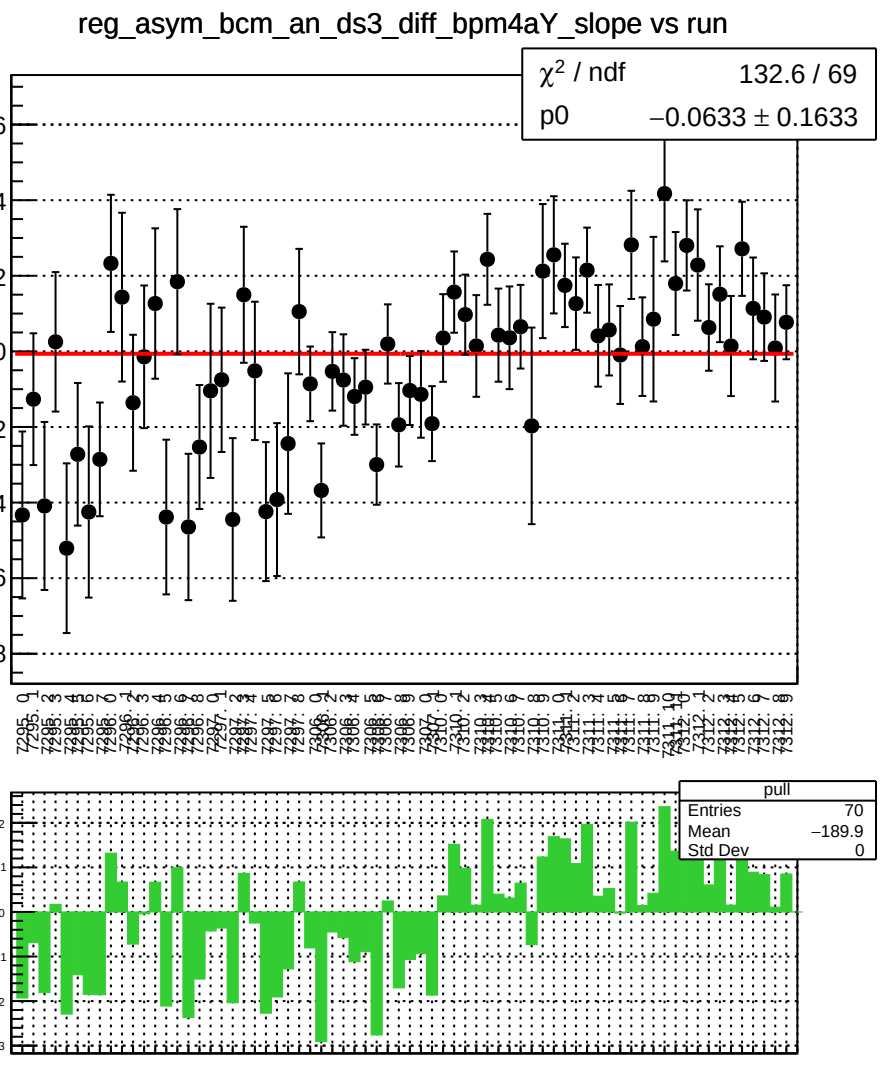

pull1D
Entries 70
Mean 0.04341
Std Dev 1.29

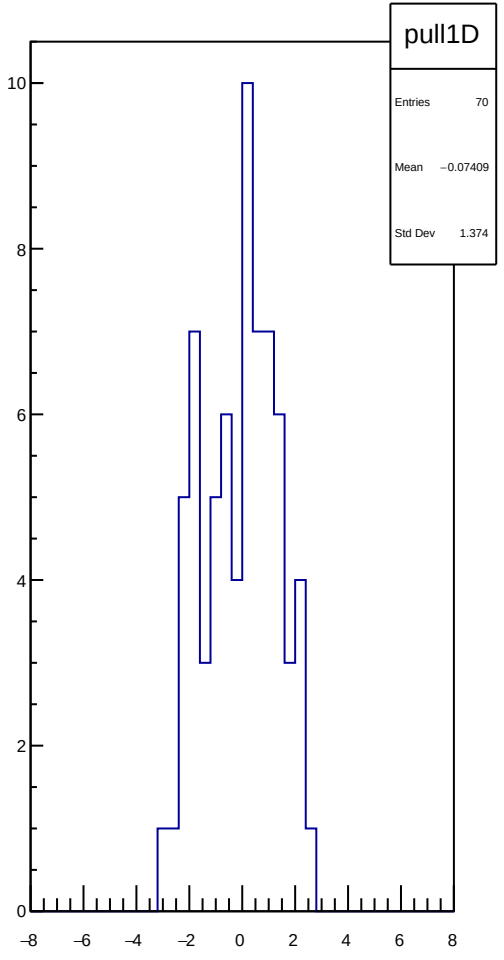

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1955 / 69
p0 −5.134 ± 0.04039
pull
Entries 70
Mean 208.6
Std Dev 0

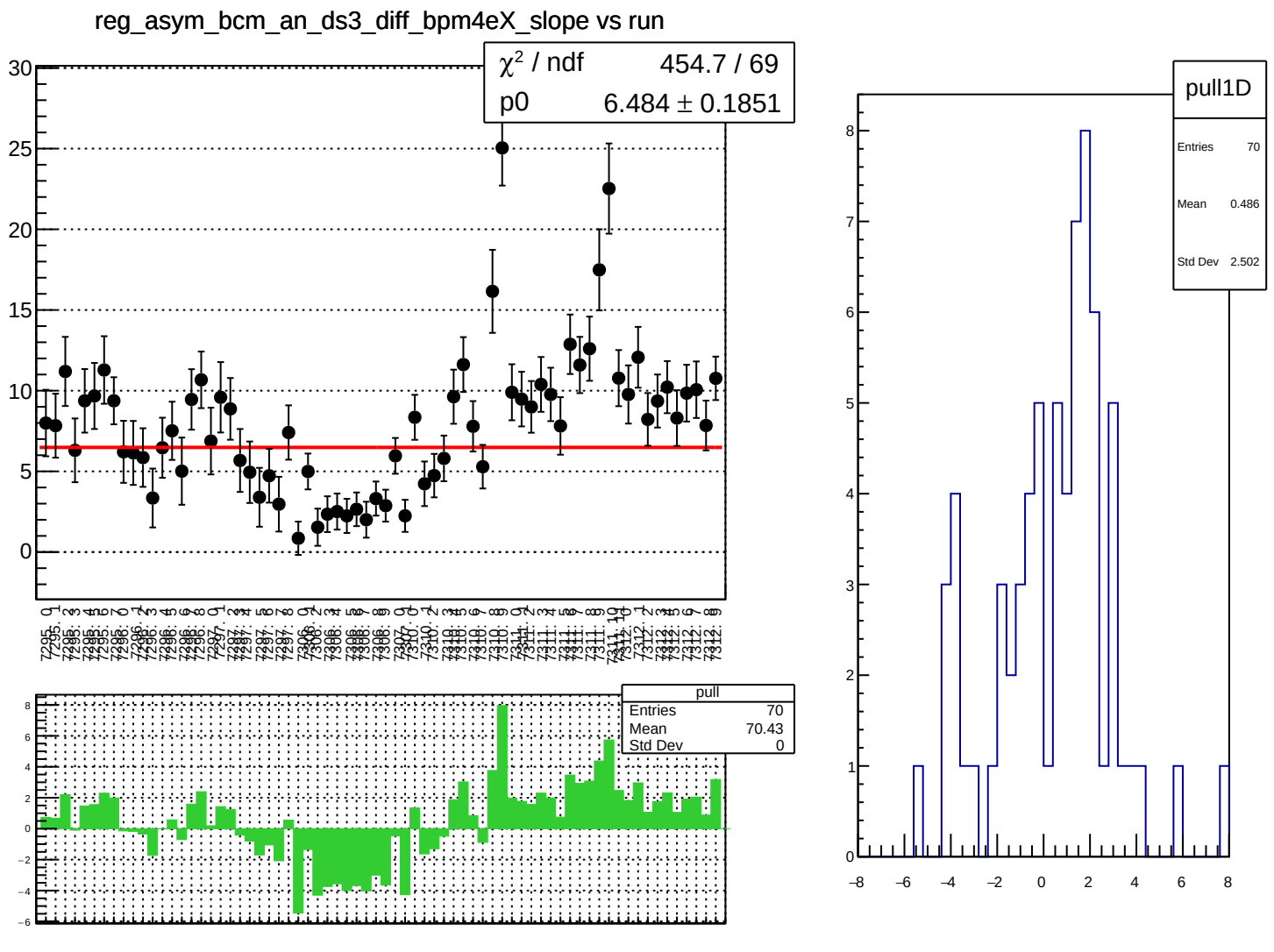

pull1D
Entries 70
Mean −0.5695
Std Dev 4.524

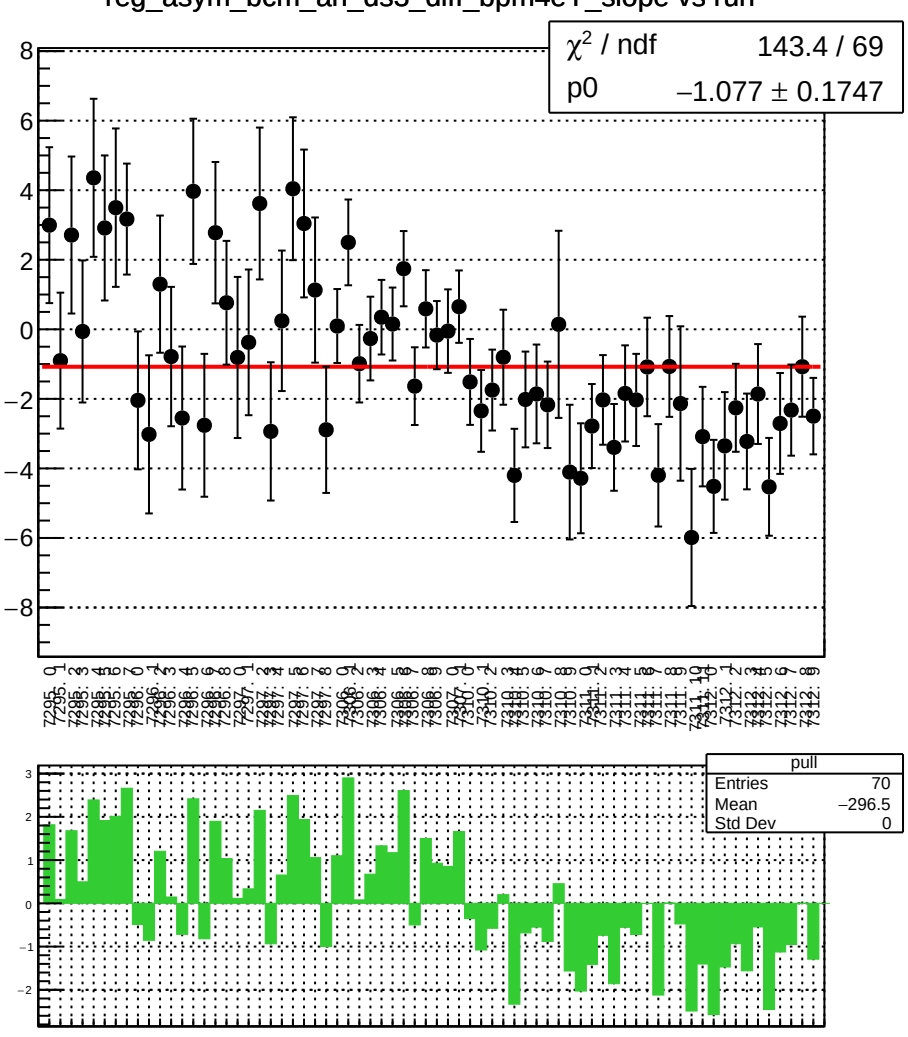

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 448.4 / 69
p0 −6.625 ± 0.187
pull
Entries 70
Mean 63.56
Std Dev 19.78

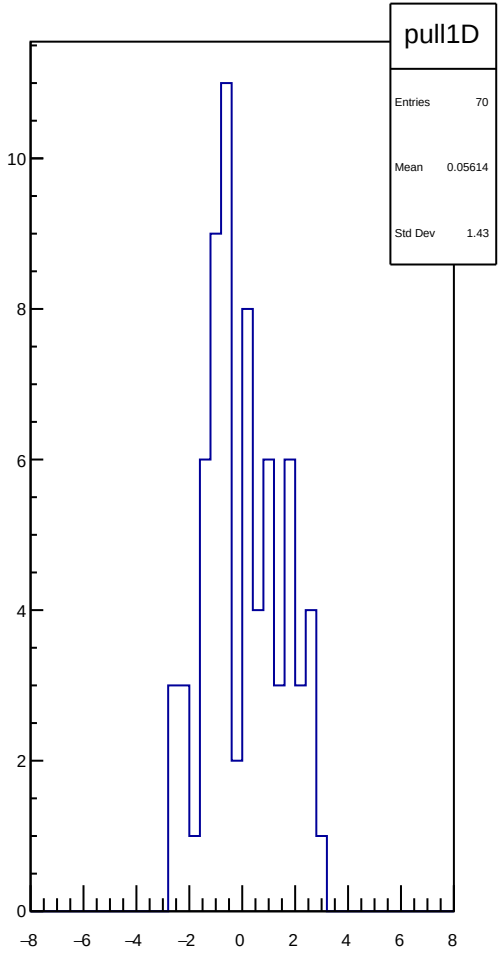

pull1D
Entries 70
Mean −0.5012
Std Dev 2.481

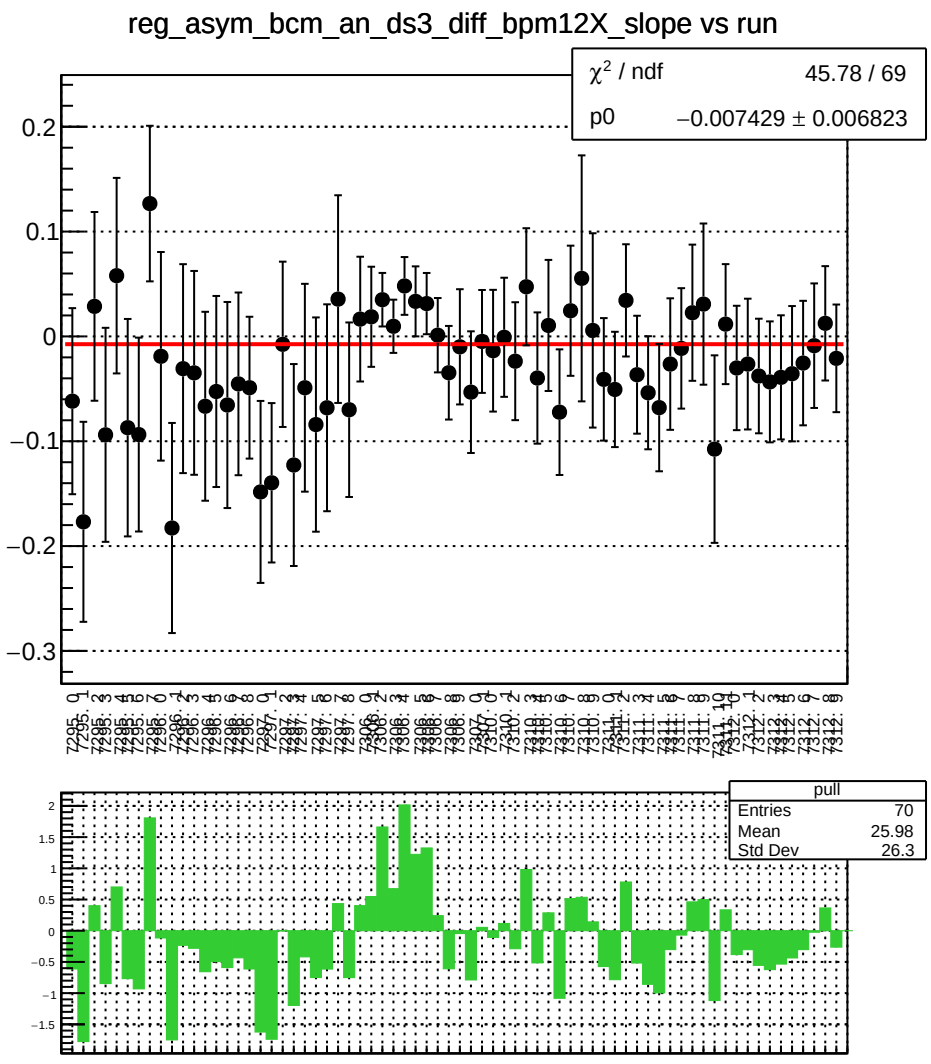

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 132.6 / 69
p0 −0.0633 ± 0.1633
pull
Entries 70
Mean −189.9
Std Dev 0

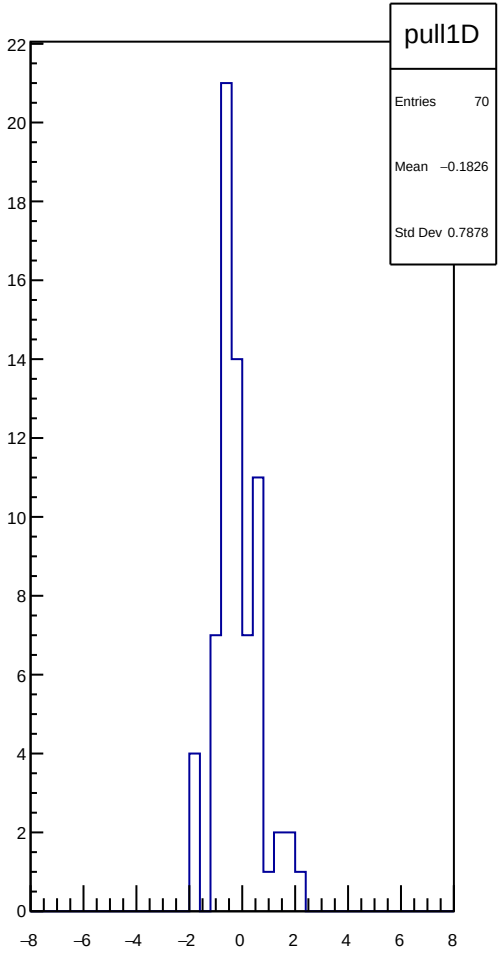

pull1D
Entries 70
Mean −0.07409
Std Dev 1.374

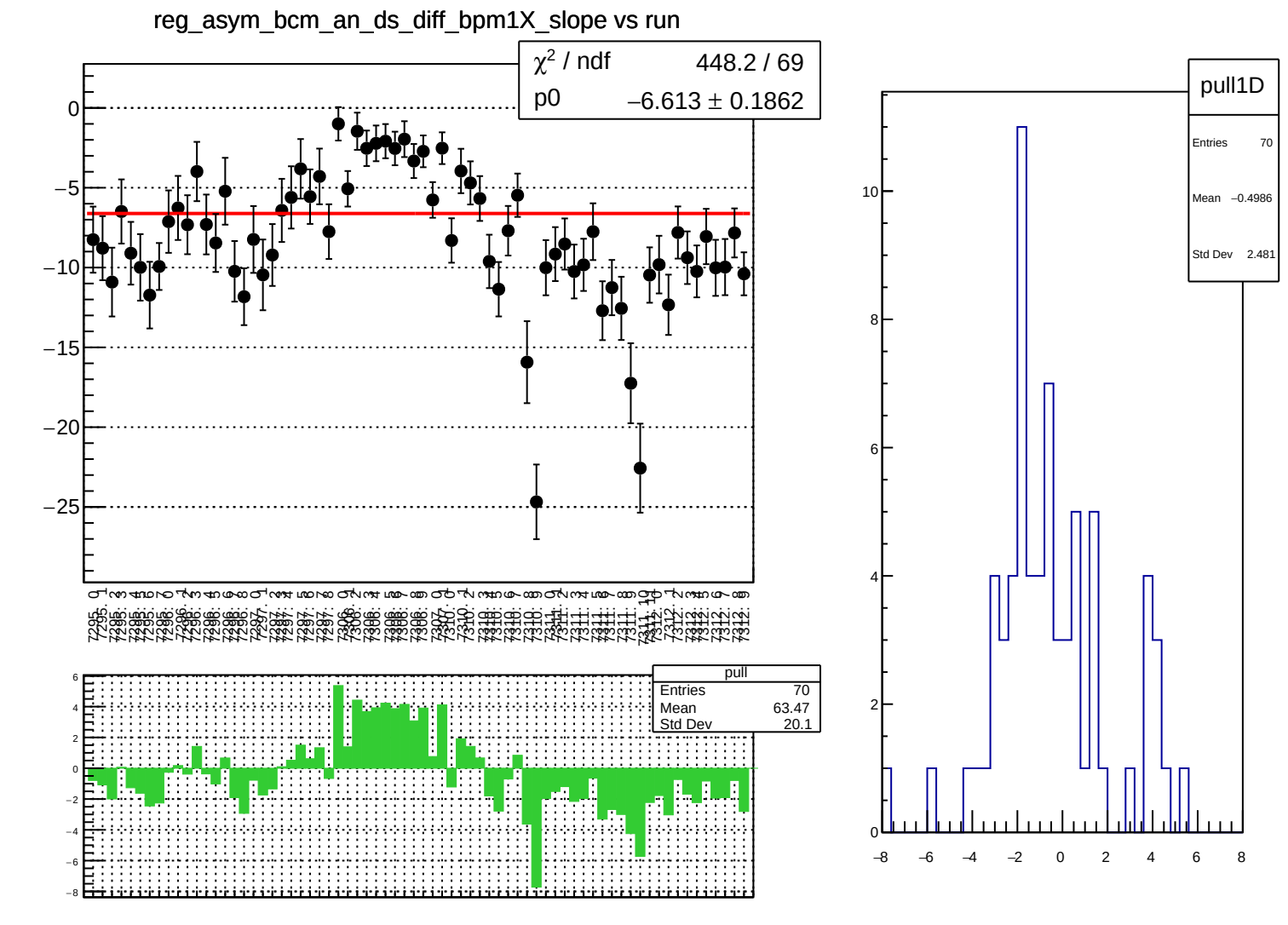

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 454.7 / 69
p0 6.484 ± 0.1851
pull
Entries 70
Mean 70.43
Std Dev 0
pull1D
Entries 70
Mean 0.486
Std Dev 2.502

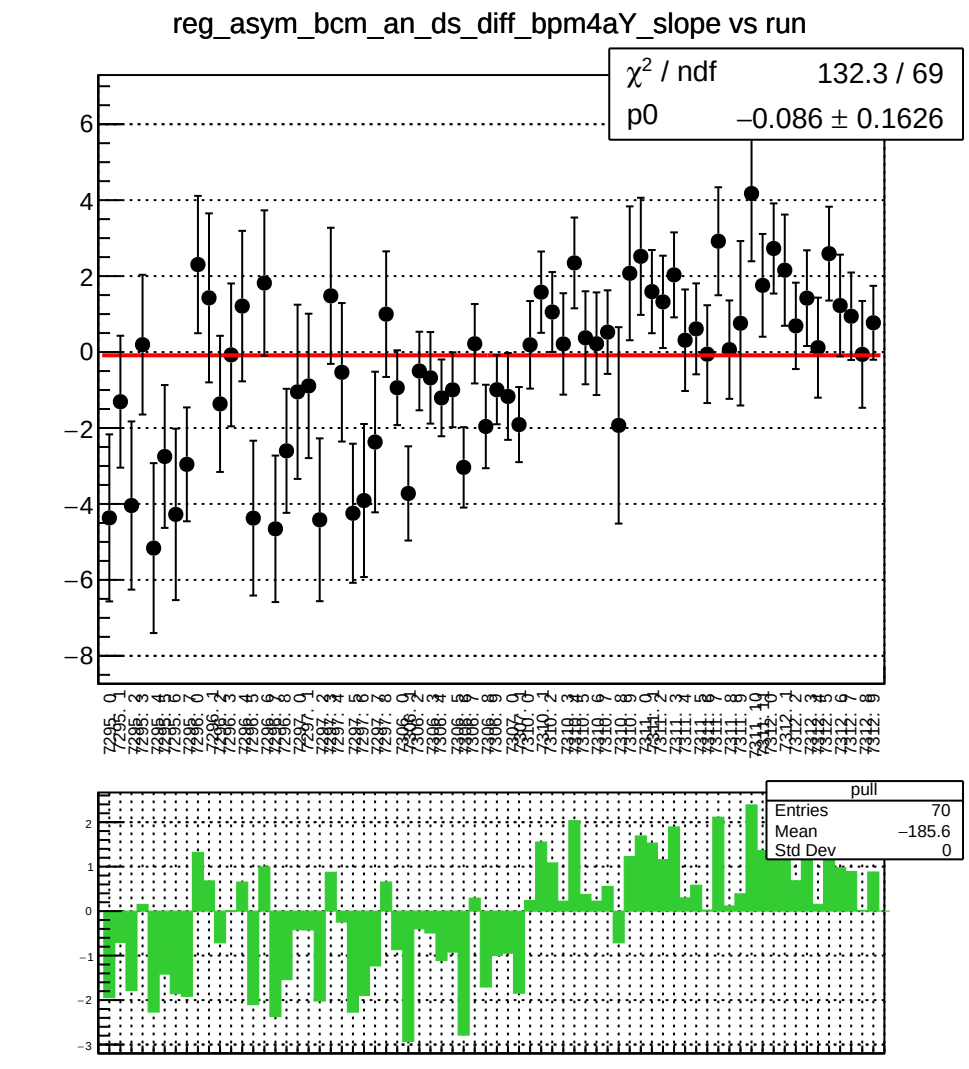

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 143.4 / 69
p0 −1.077 ± 0.1747
pull
Entries 70
Mean −296.5
Std Dev 0

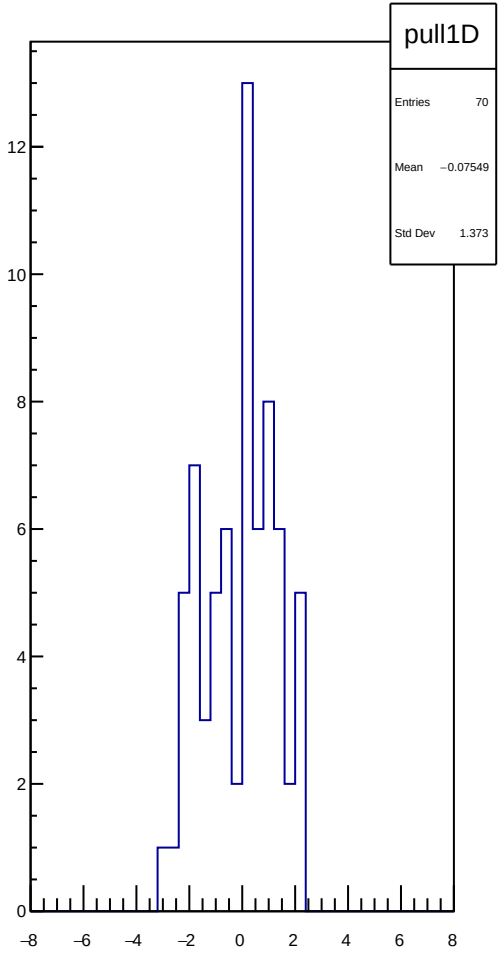

pull1D
Entries 70
Mean 0.05614
Std Dev 1.43

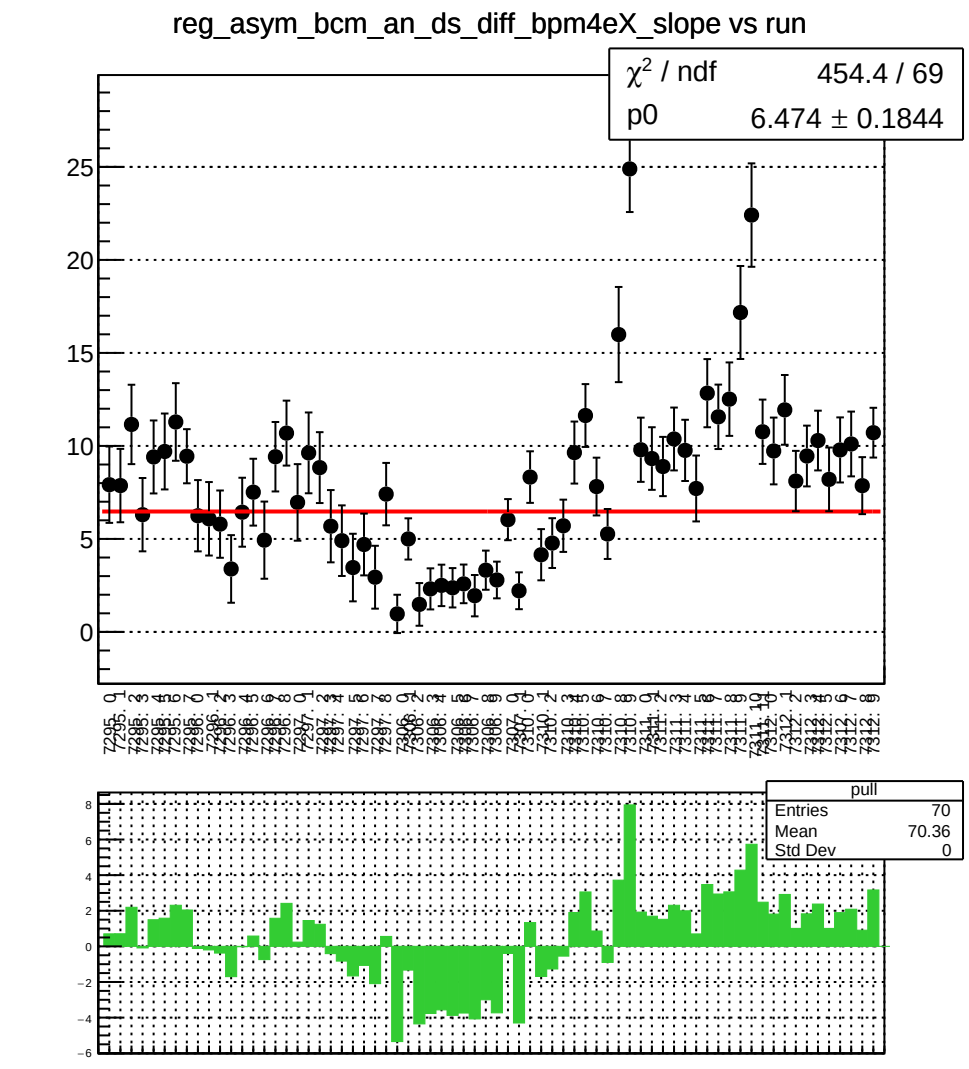

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 45.78 / 69
p0 −0.007429 ± 0.006823
pull
Entries 70
Mean 25.98
Std Dev 26.3

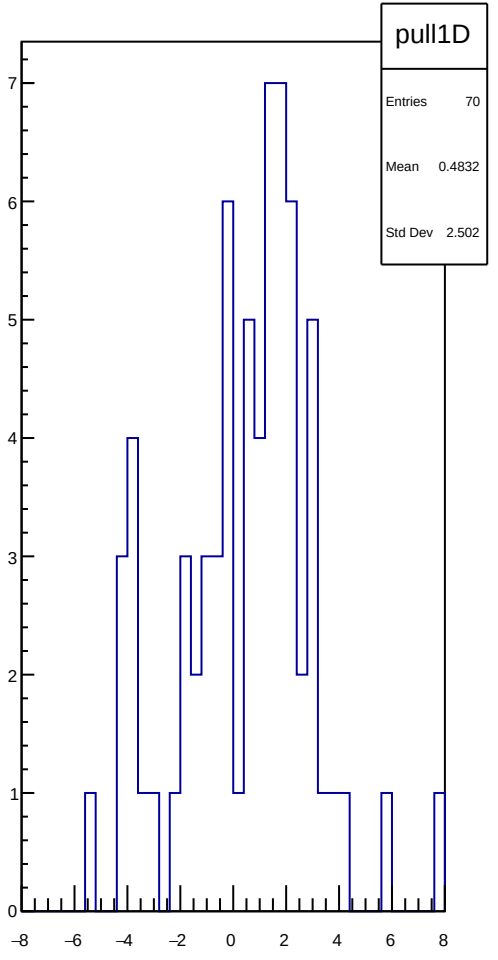

pull1D
Entries 70
Mean −0.1826
Std Dev 0.7878

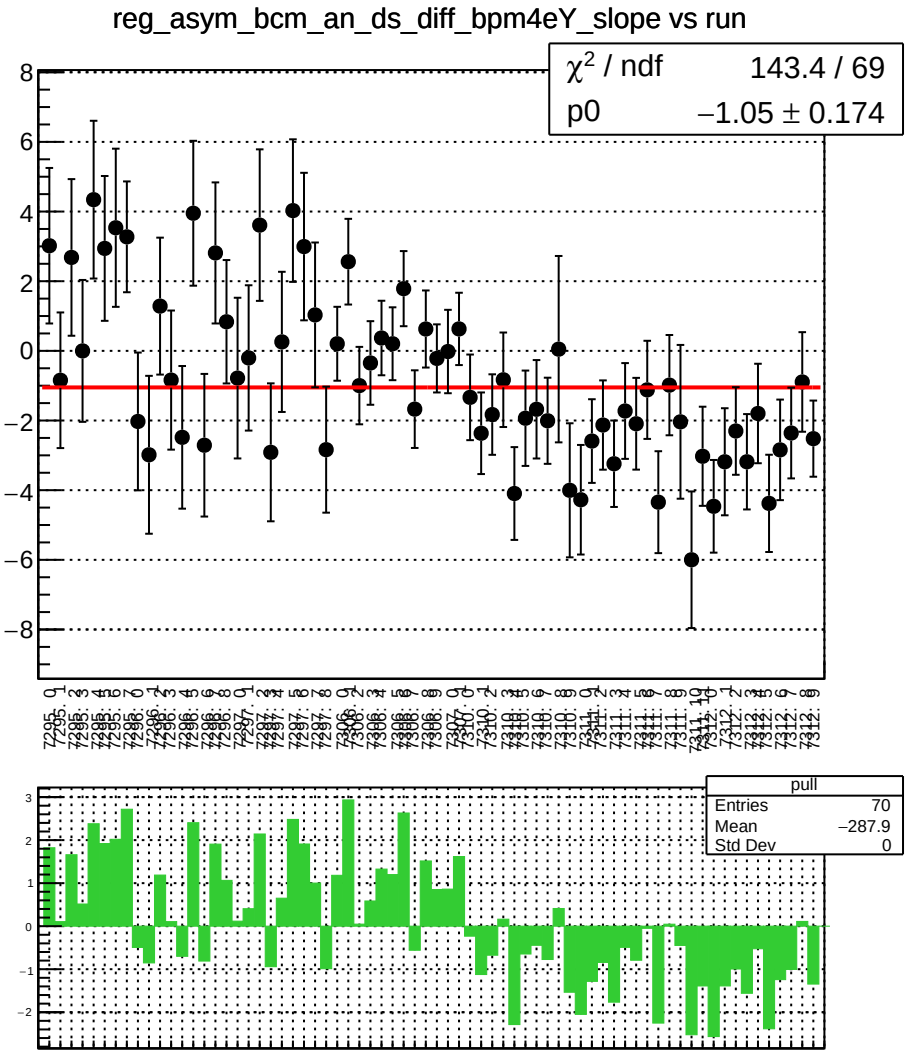

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 448.2 / 69
p0 −6.613 ± 0.1862
pull
Entries 70
Mean 63.47
Std Dev 20.1
pull1D
Entries 70
Mean −0.4986
Std Dev 2.481

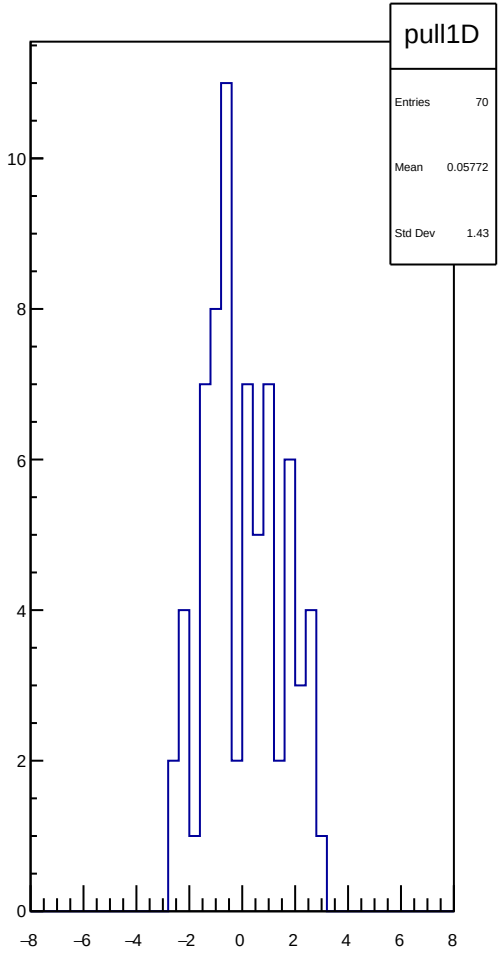

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 132.3 / 69
p0 −0.086 ± 0.1626
pull
Entries 70
Mean −185.6
Std Dev 0

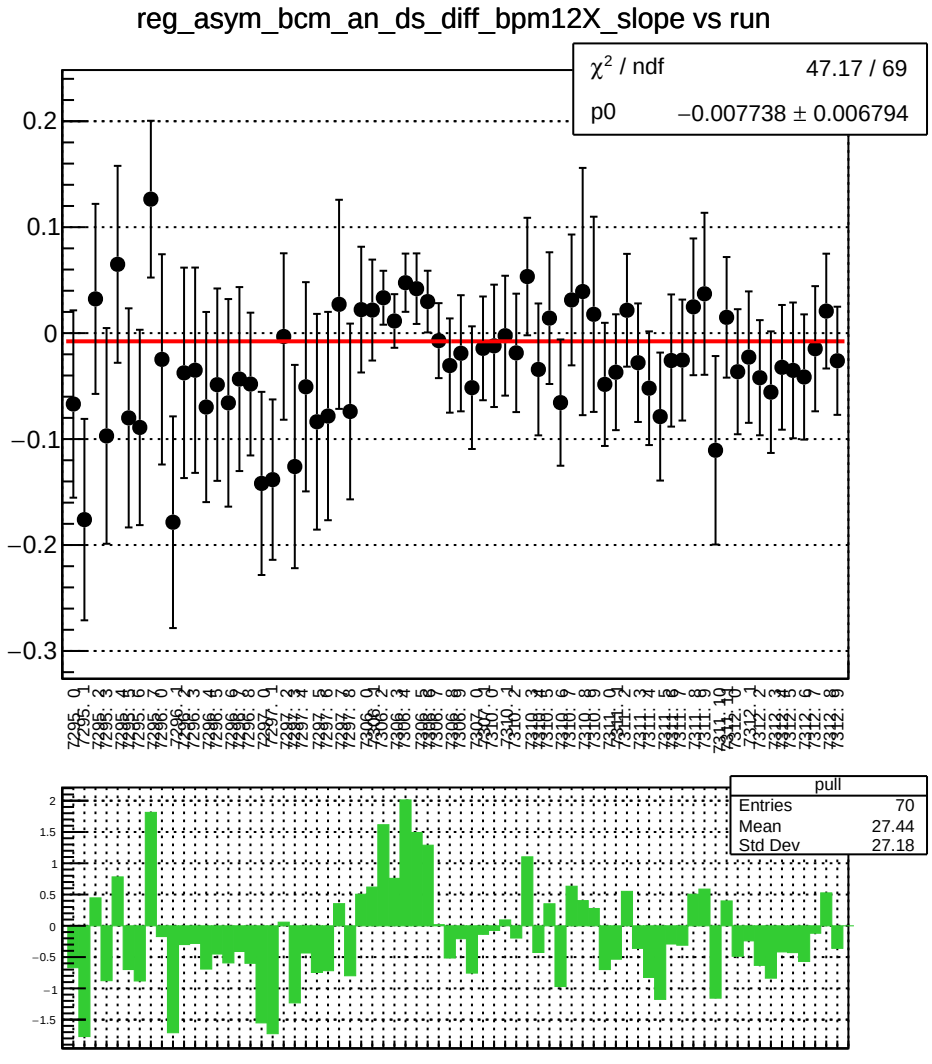

pull1D
Entries 70
Mean −0.07549
Std Dev 1.373

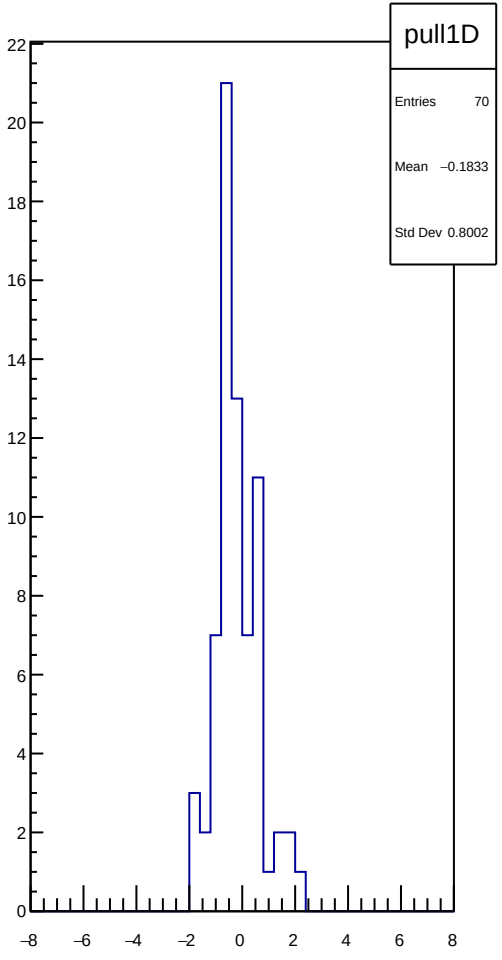

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 454.4 / 69
p0 6.474 ± 0.1844
pull
Entries 70
Mean 70.36
Std Dev 0

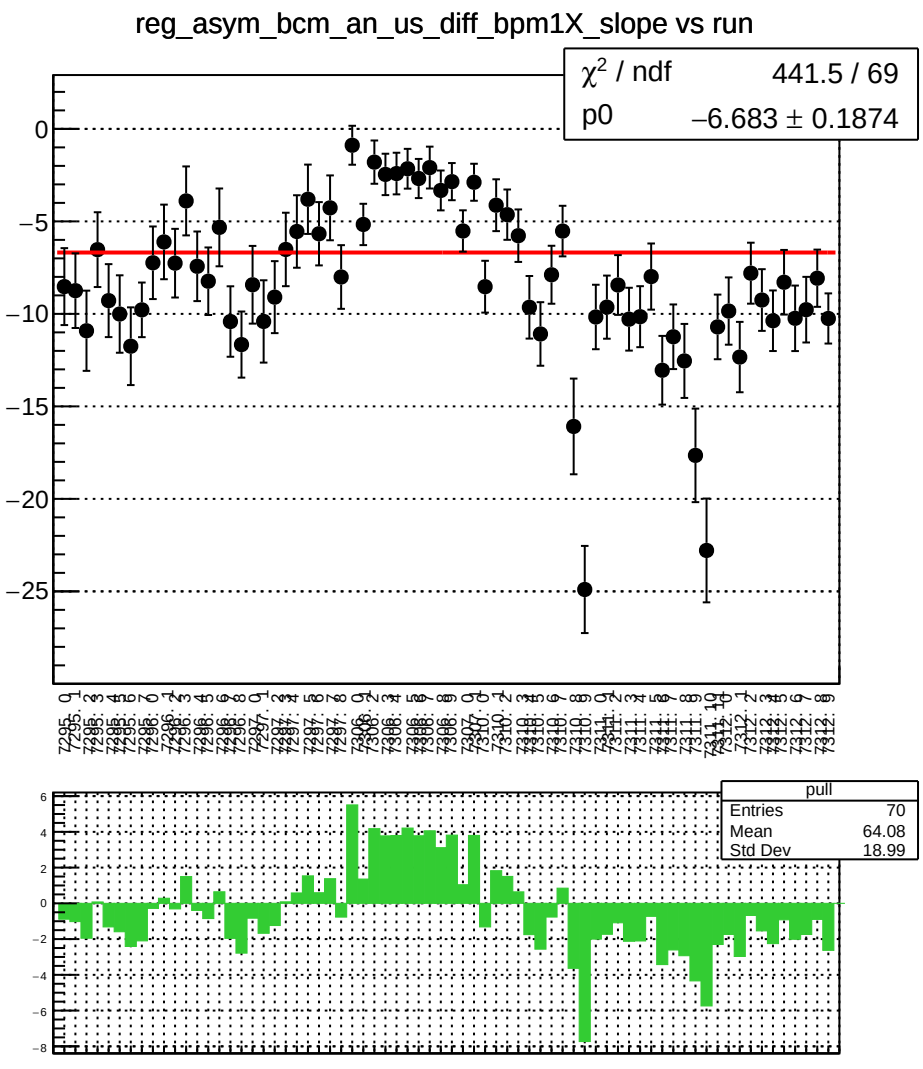

pull1D
Entries 70
Mean 0.4832
Std Dev 2.502

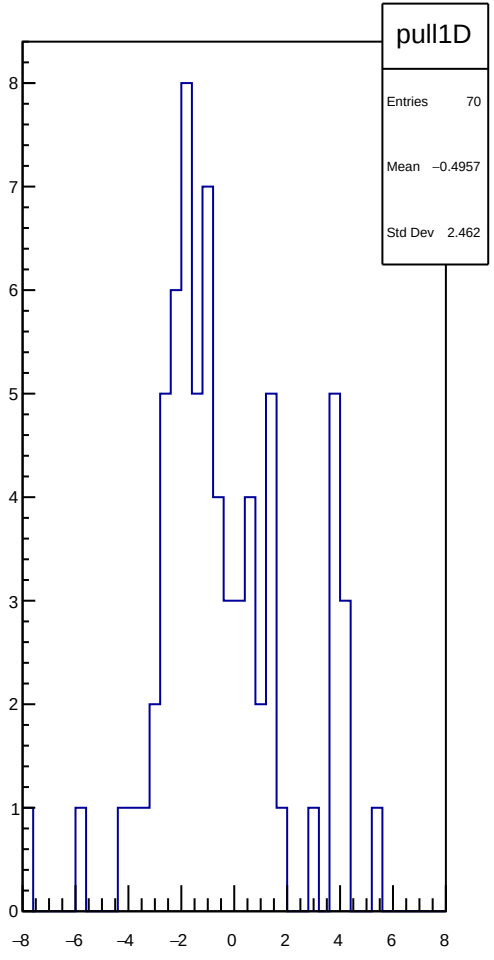

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 143.4 / 69
p0 −1.05 ± 0.174
pull
Entries 70
Mean −287.9
Std Dev 0

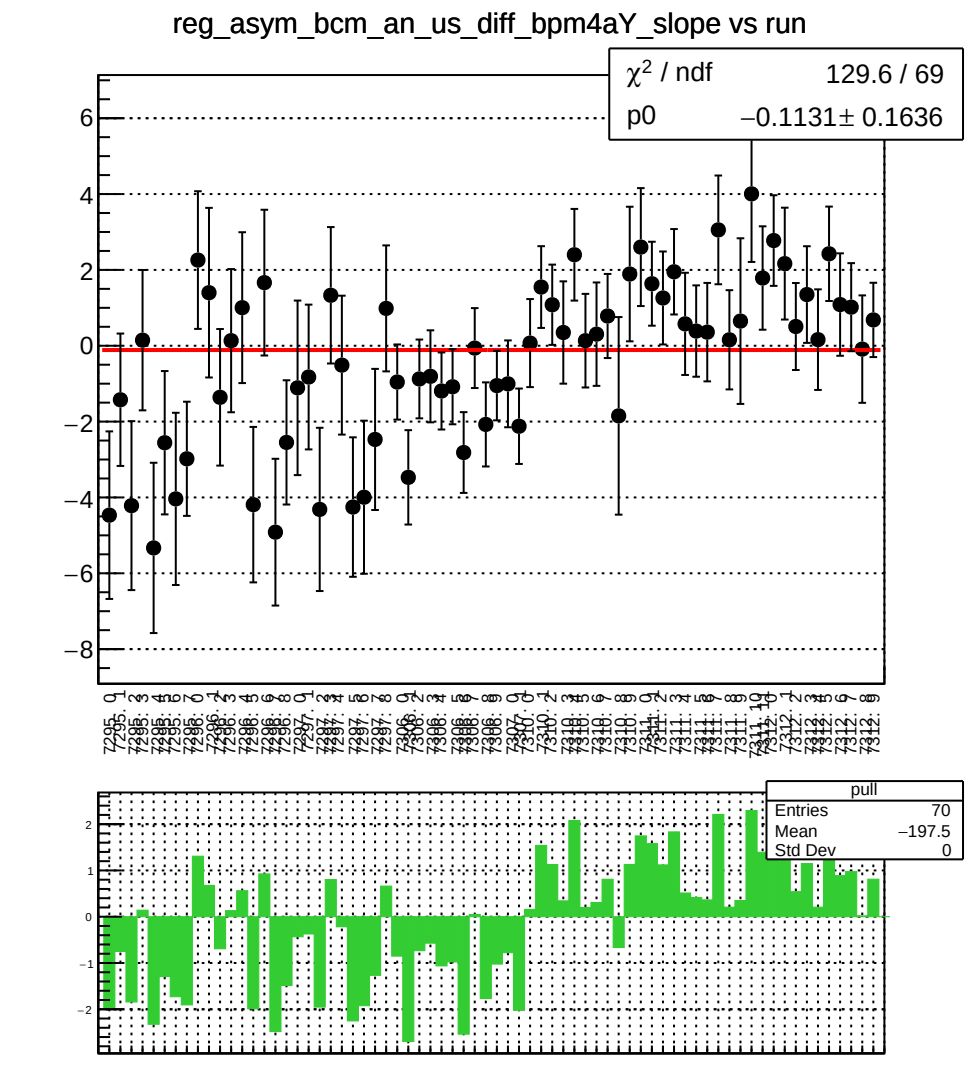

pull1D
Entries 70
Mean 0.05772
Std Dev 1.43

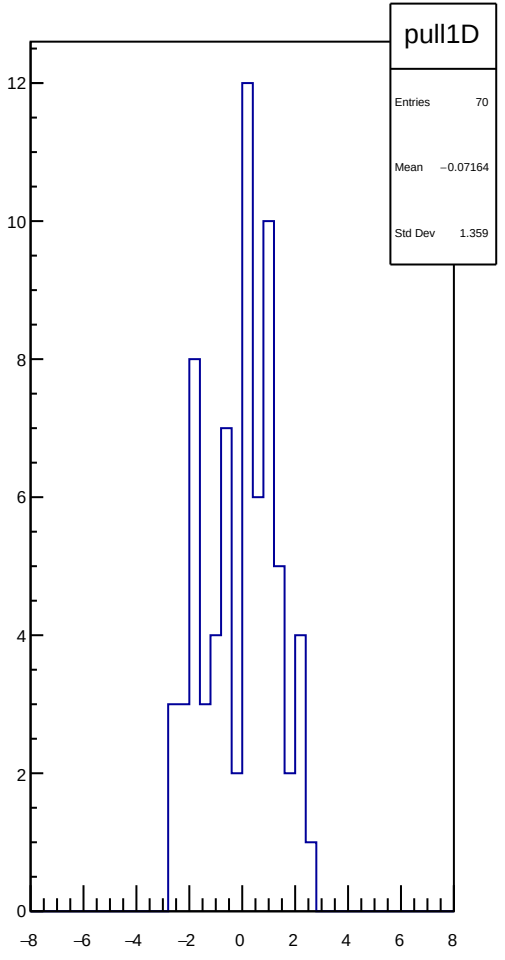

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 47.17 / 69
p0 −0.007738 ± 0.006794
pull
Entries 70
Mean 27.44
Std Dev 27.18

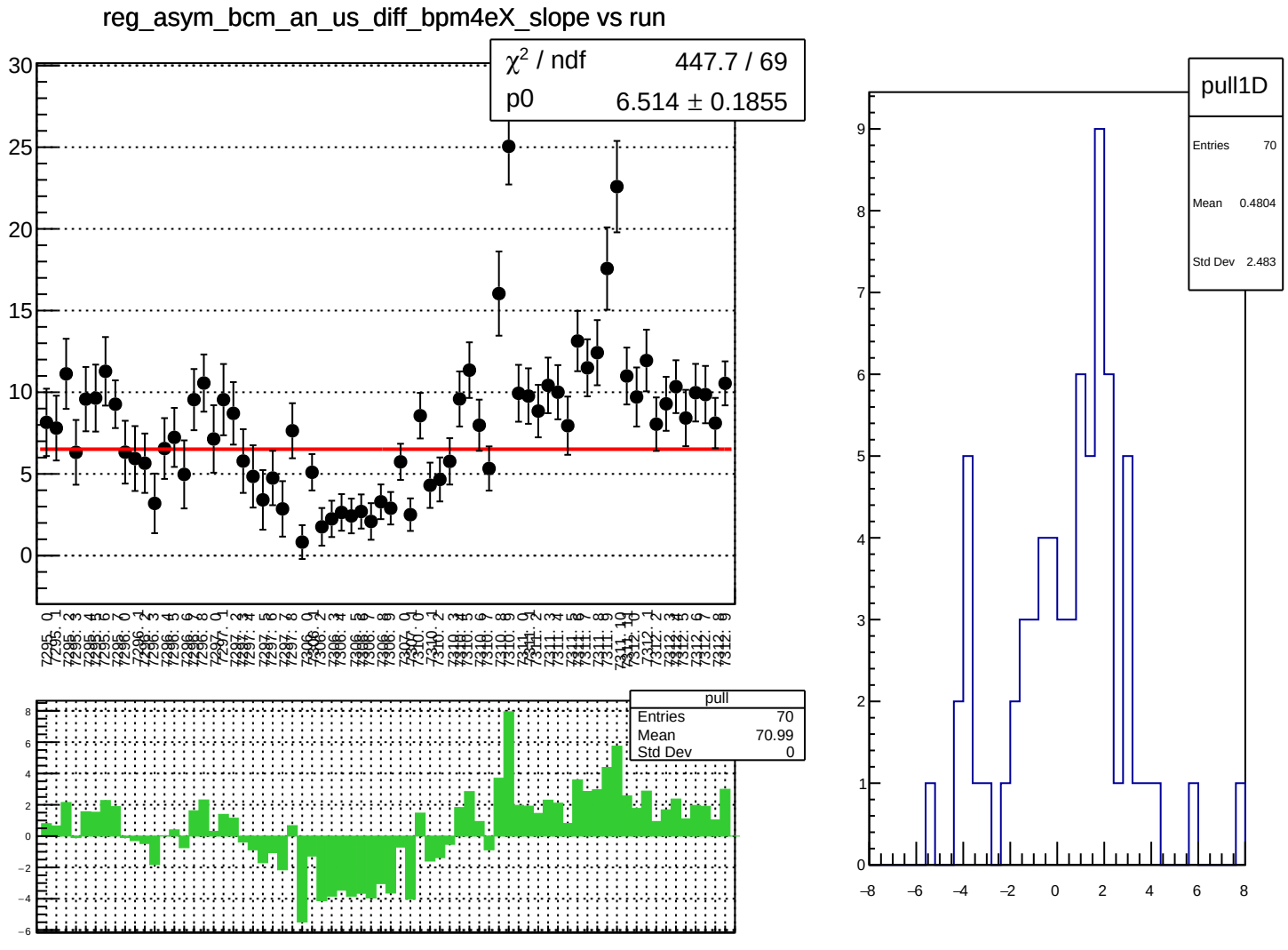

pull1D
Entries 70
Mean −0.1833
Std Dev 0.8002

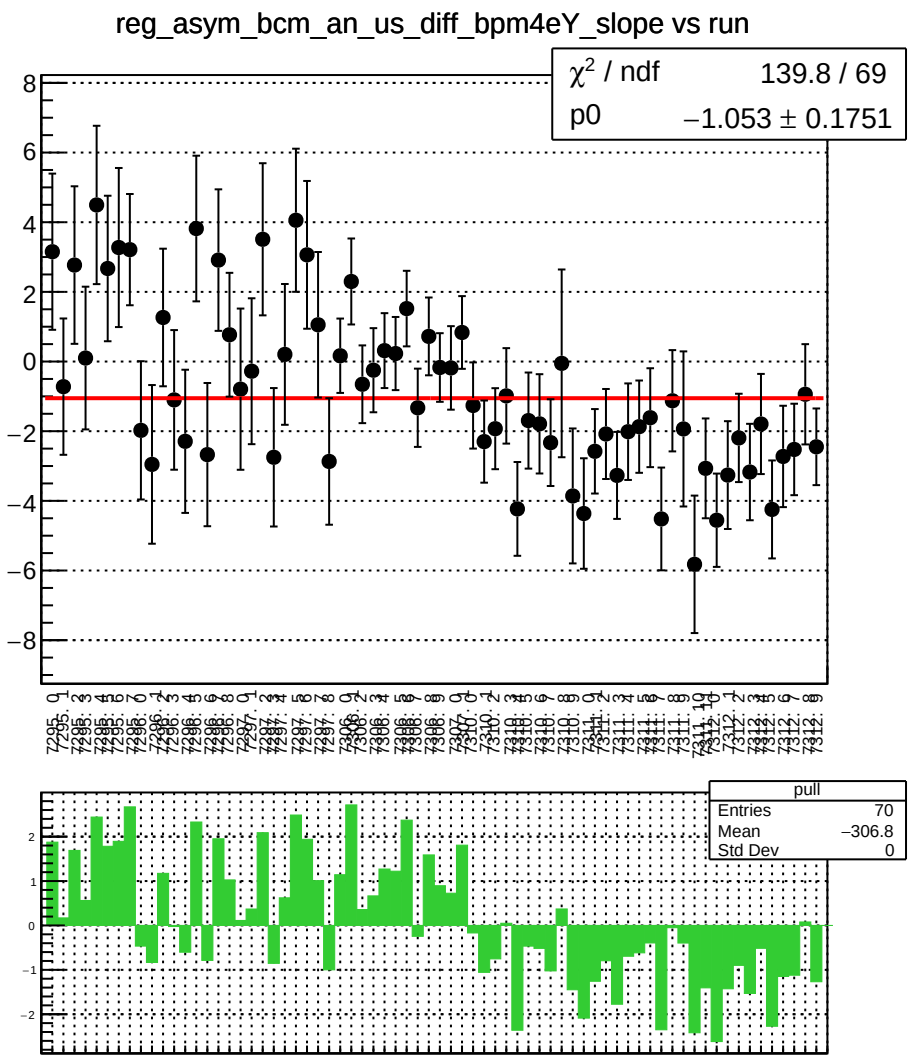

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 441.5 / 69
p0 −6.683 ± 0.1874
pull
Entries 70
Mean 64.08
Std Dev 18.99

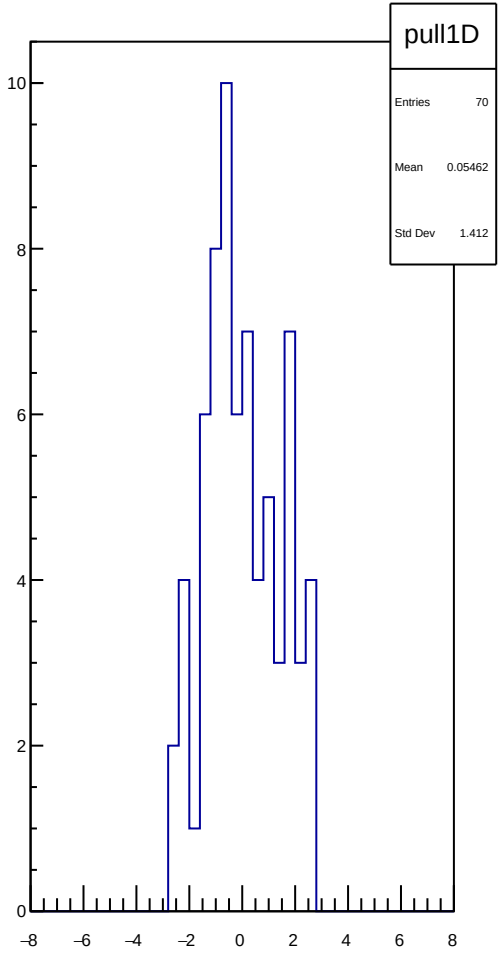

pull1D
Entries 70
Mean −0.4957
Std Dev 2.462

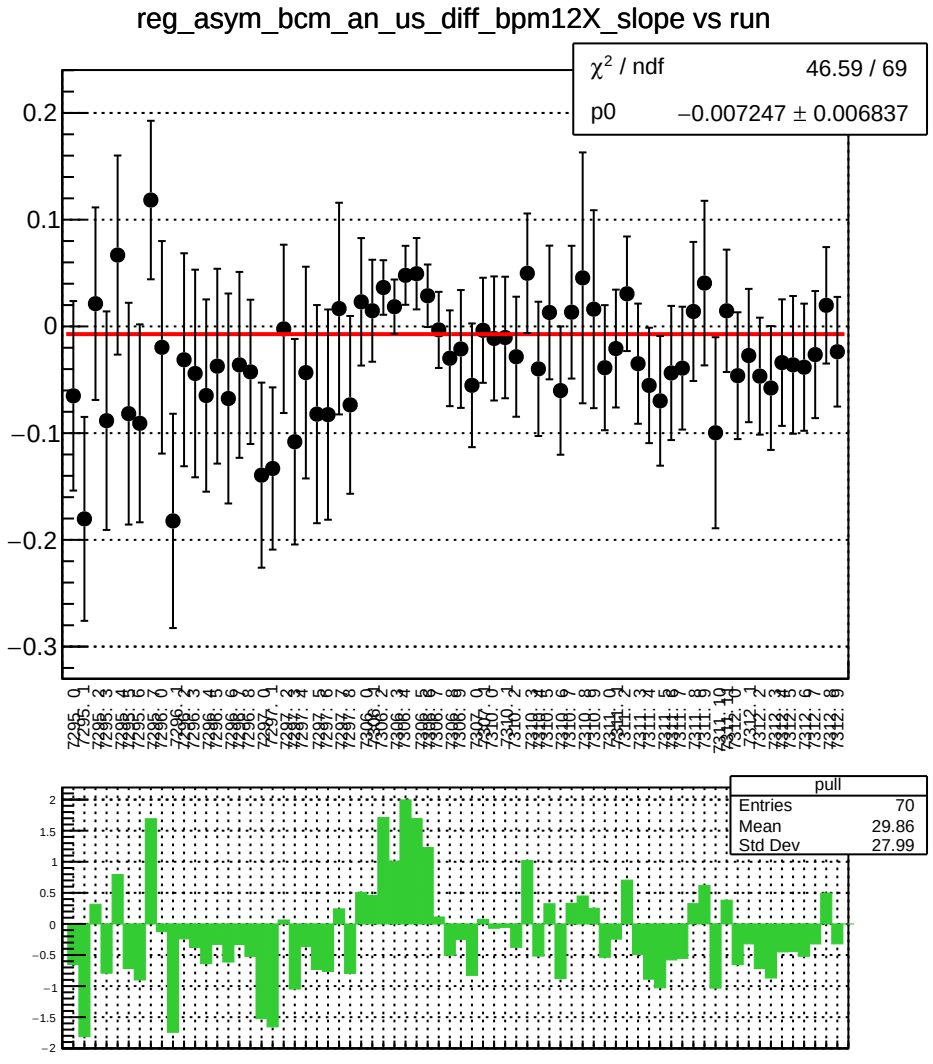

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 129.6 / 69
p0 −0.1131± 0.1636
pull
Entries 70
Mean −197.5
Std Dev 0

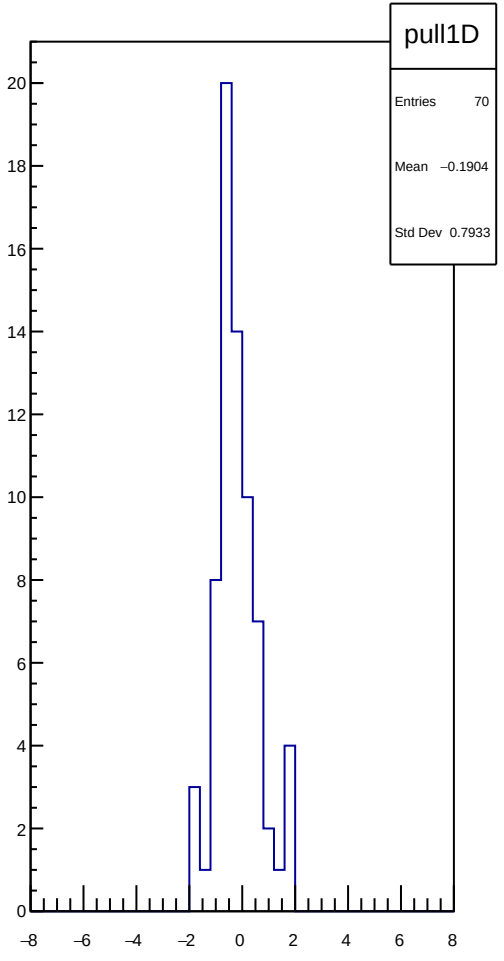

pull1D
Entries 70
Mean −0.07164
Std Dev 1.359

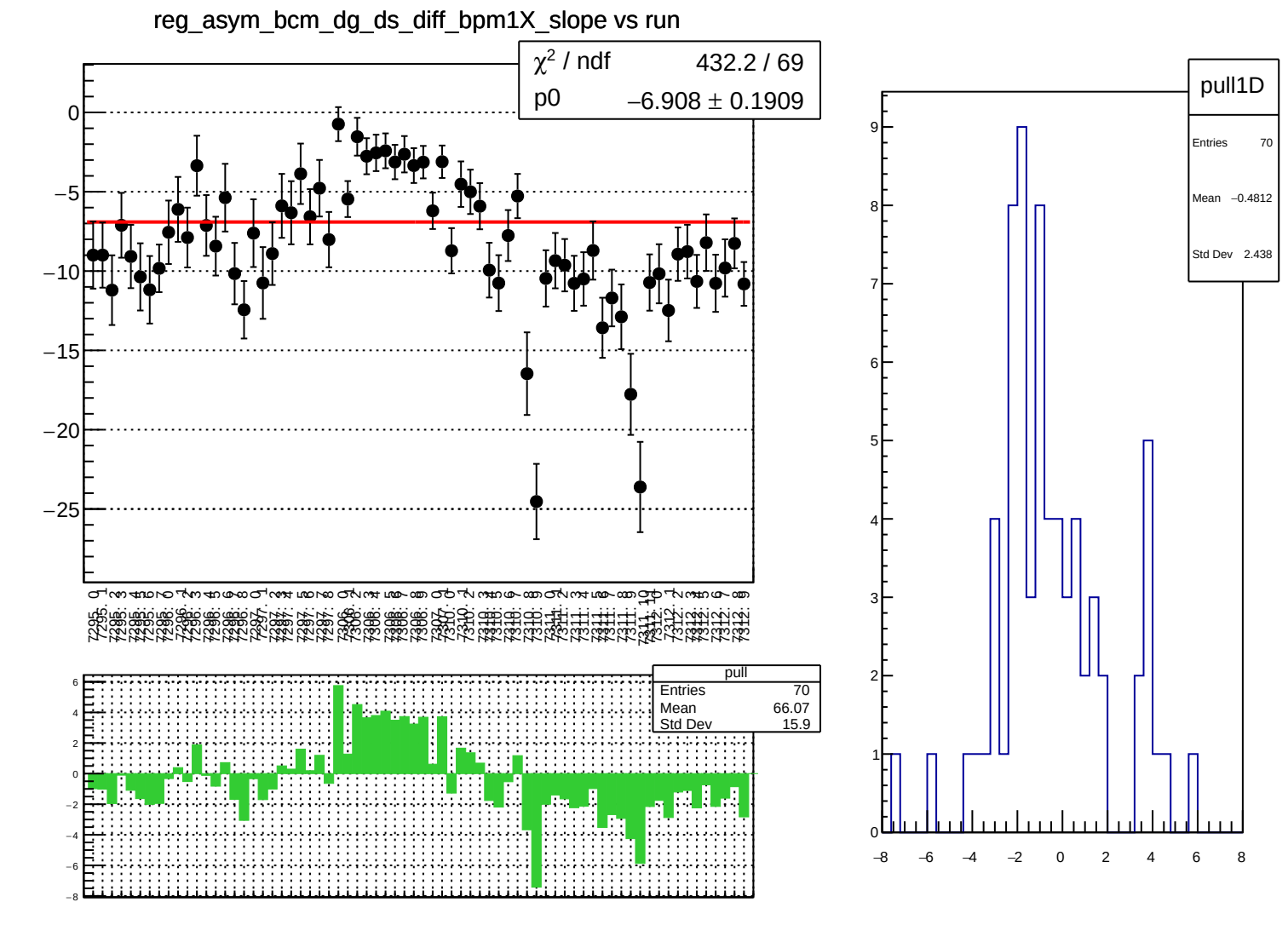

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 447.7 / 69
p0 6.514 ± 0.1855
pull
Entries 70
Mean 70.99
Std Dev 0
pull1D
Entries 70
Mean 0.4804
Std Dev 2.483

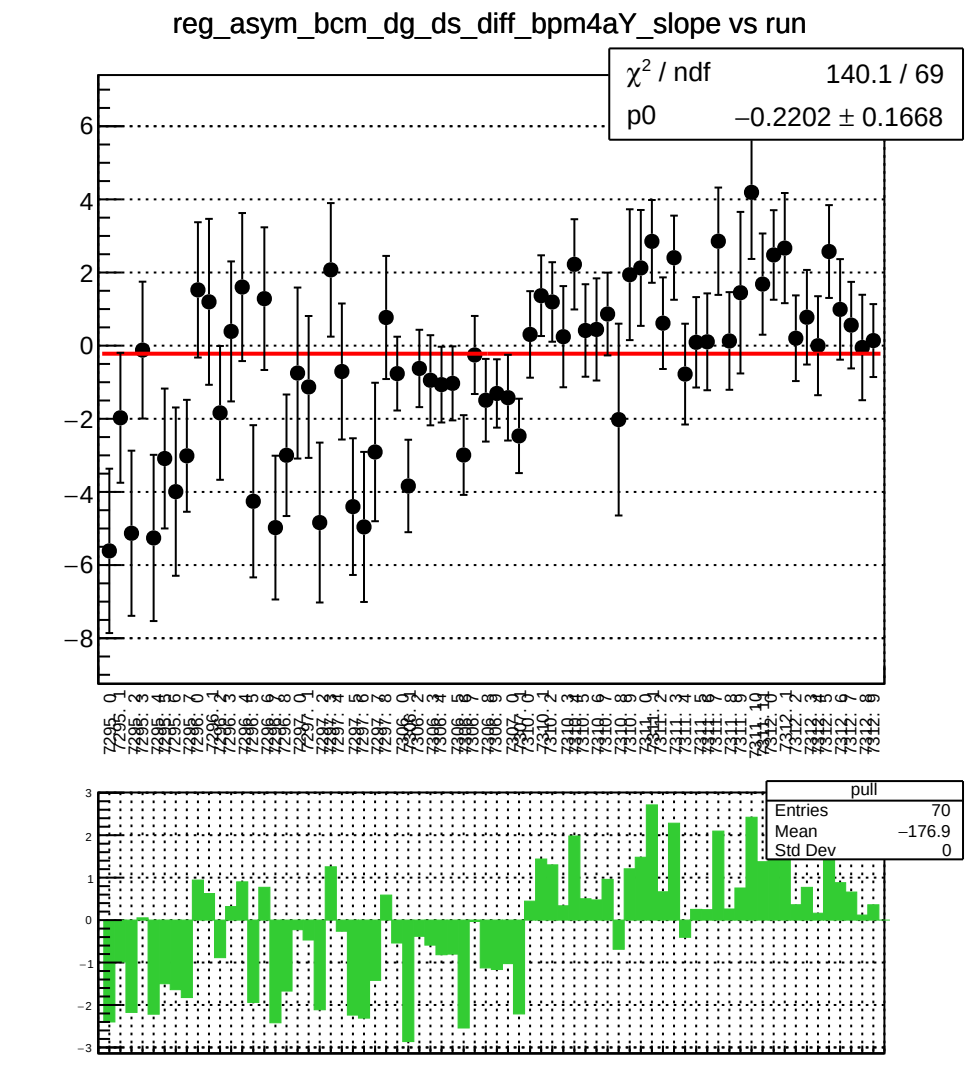

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 139.8 / 69
p0 −1.053 ± 0.1751
pull
Entries 70
Mean −306.8
Std Dev 0

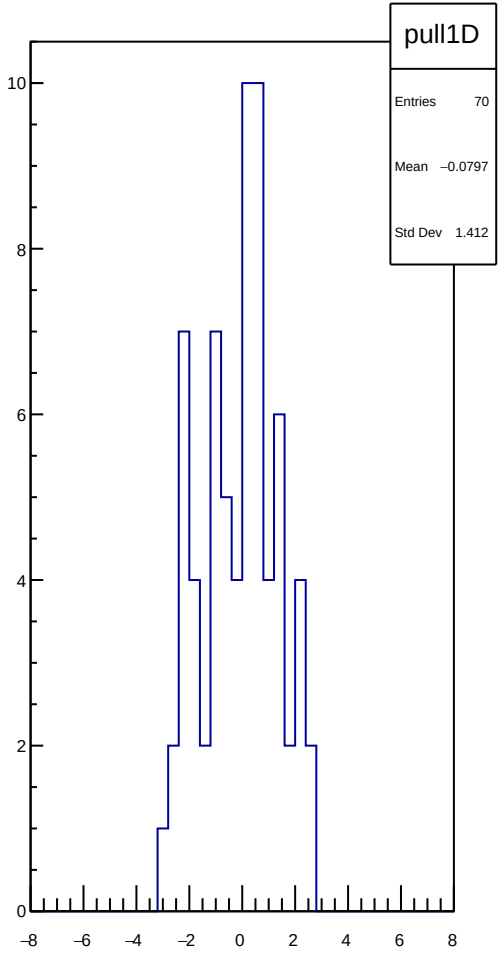

pull1D
Entries 70
Mean 0.05462
Std Dev 1.412

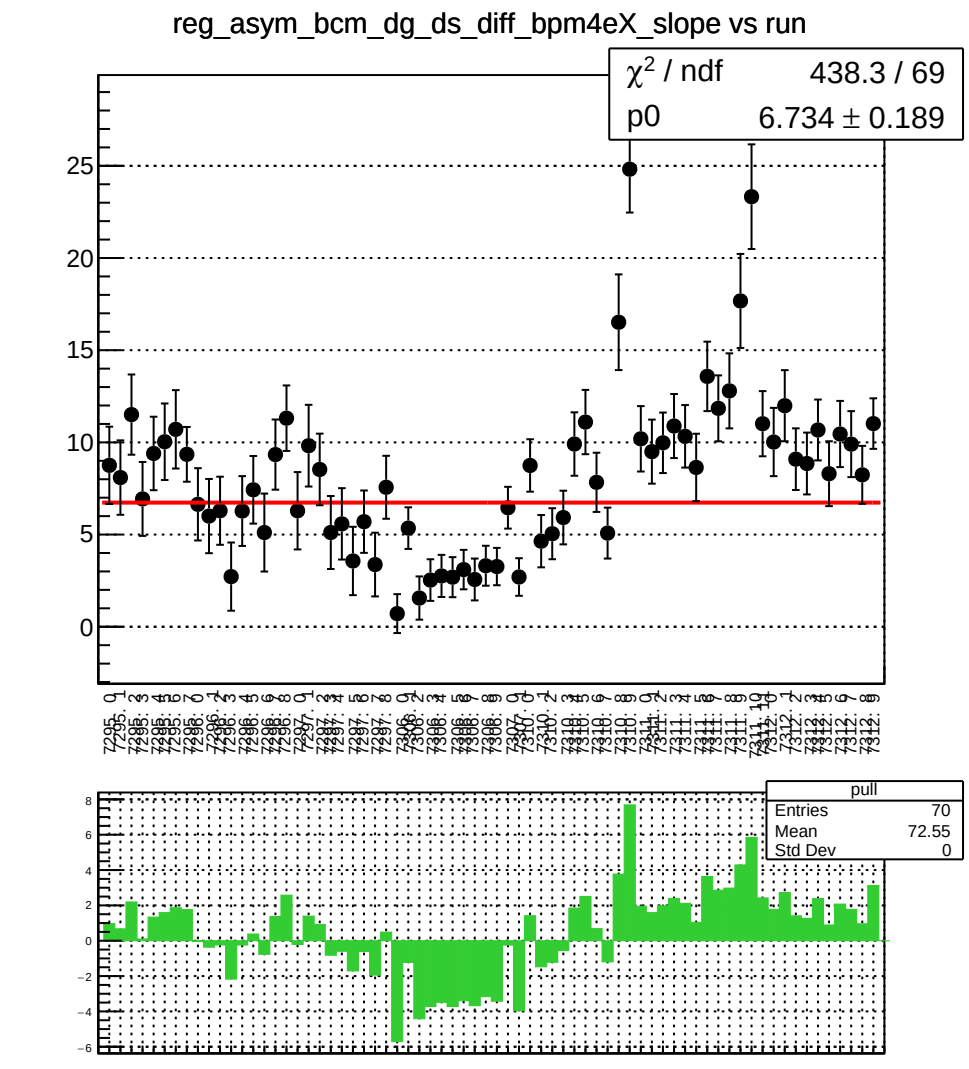

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 46.59 / 69
p0 −0.007247 ± 0.006837
pull
Entries 70
Mean 29.86
Std Dev 27.99

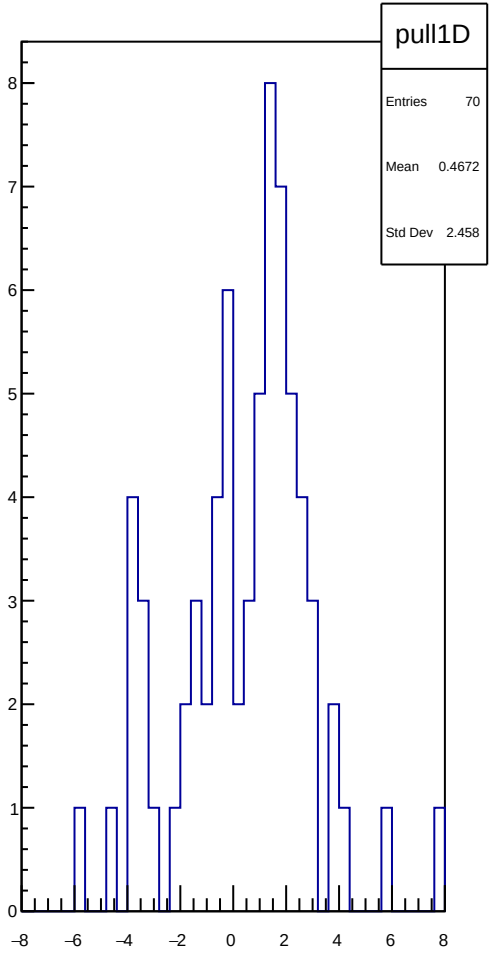

pull1D
Entries 70
Mean −0.1904
Std Dev 0.7933

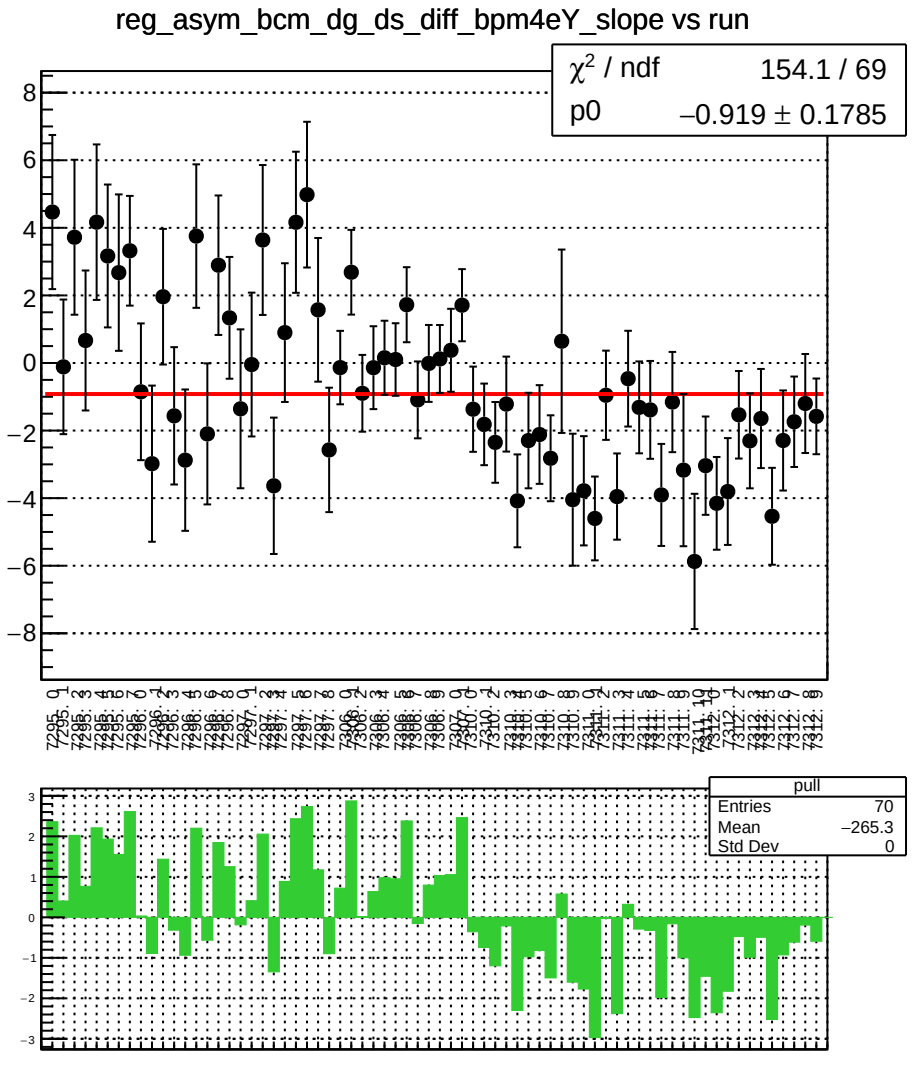

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 432.2 / 69
p0 −6.908 ± 0.1909
pull
Entries 70
Mean 66.07
Std Dev 15.9
pull1D
Entries 70
Mean −0.4812
Std Dev 2.438

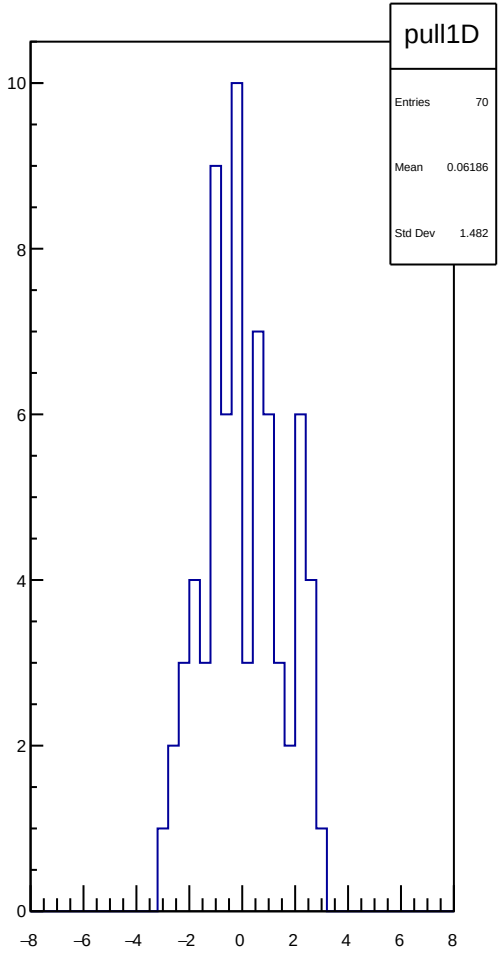

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 140.1 / 69
p0 −0.2202 ± 0.1668
pull
Entries 70
Mean −176.9
Std Dev 0

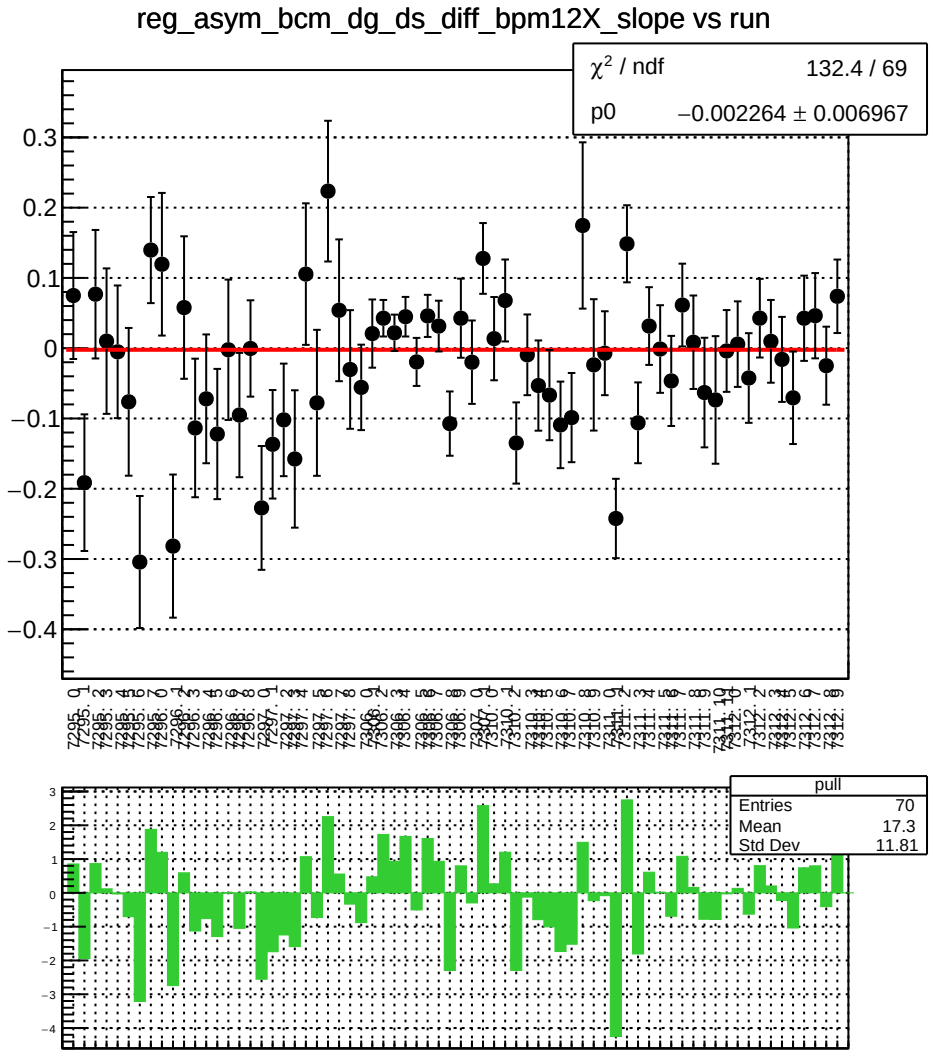

pull1D
Entries 70
Mean −0.0797
Std Dev 1.412

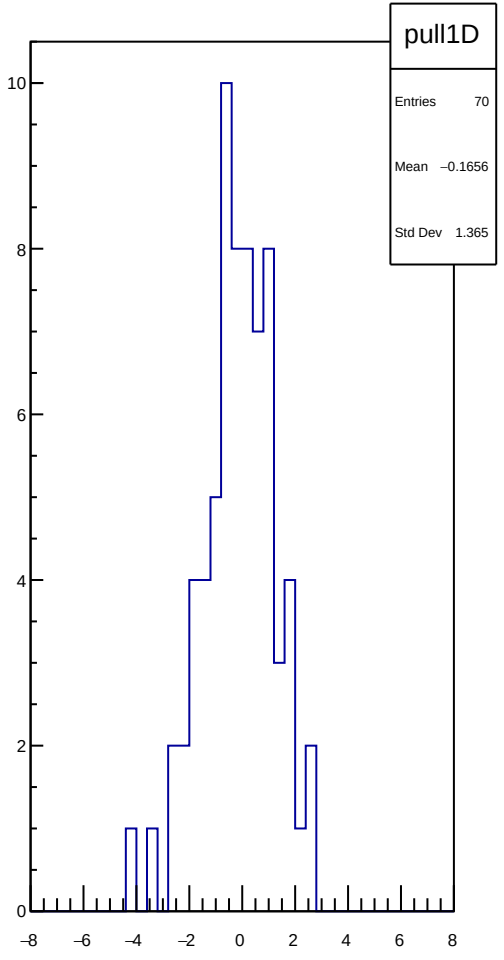

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 438.3 / 69
p0 6.734 ± 0.189
pull
Entries 70
Mean 72.55
Std Dev 0

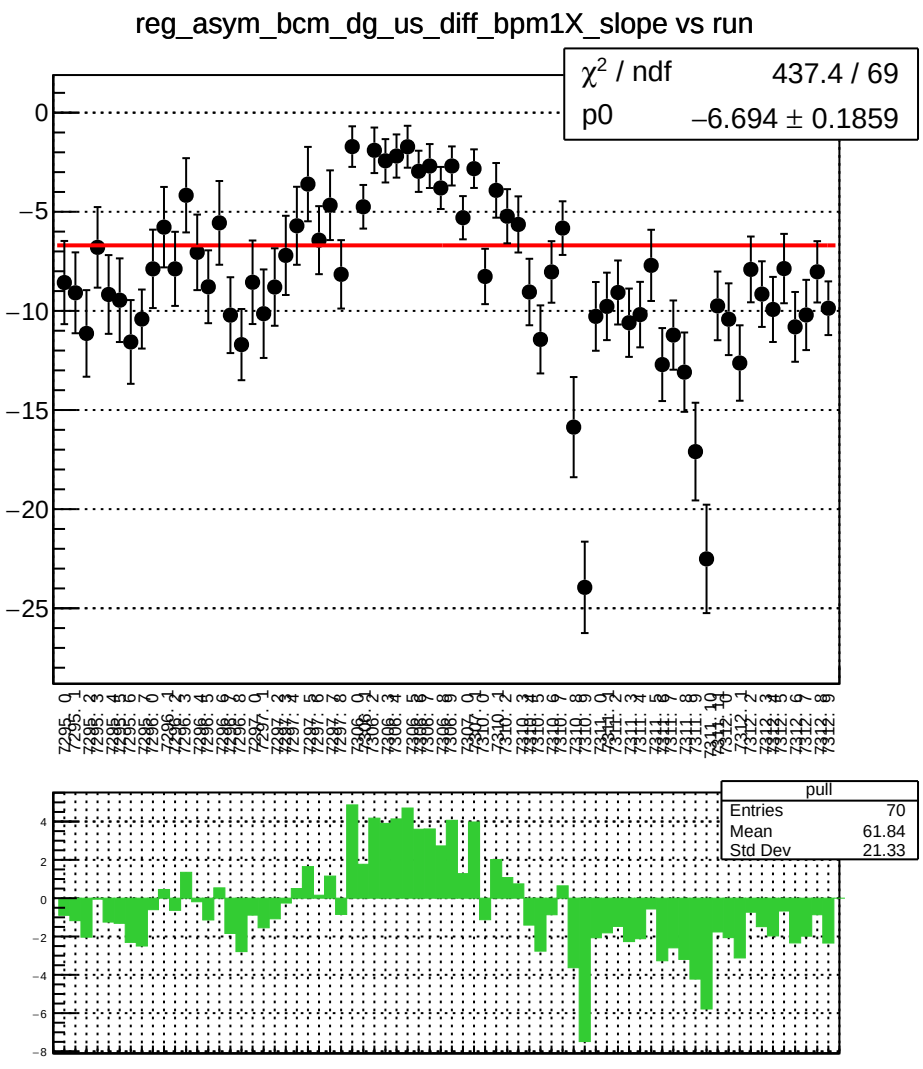

pull1D
Entries 70
Mean 0.4672
Std Dev 2.458

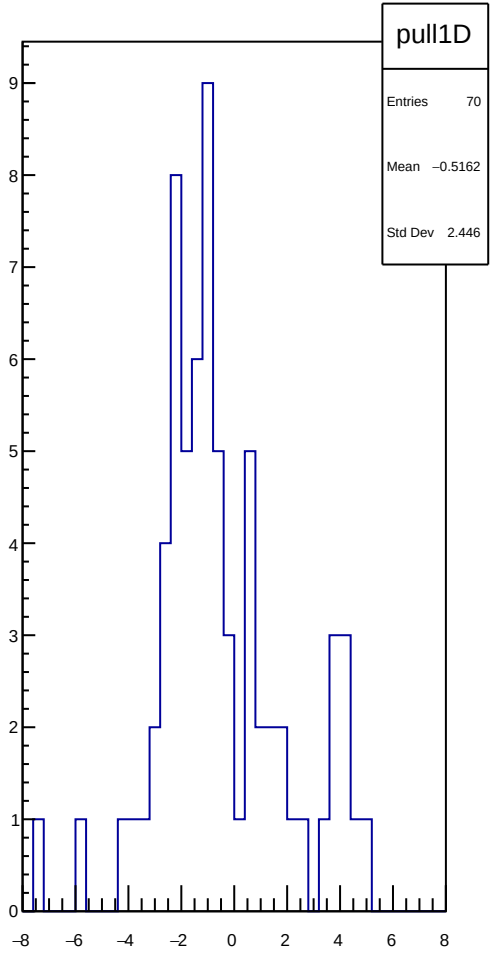

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.1 / 69
p0 −0.919 ± 0.1785
pull
Entries 70
Mean −265.3
Std Dev 0

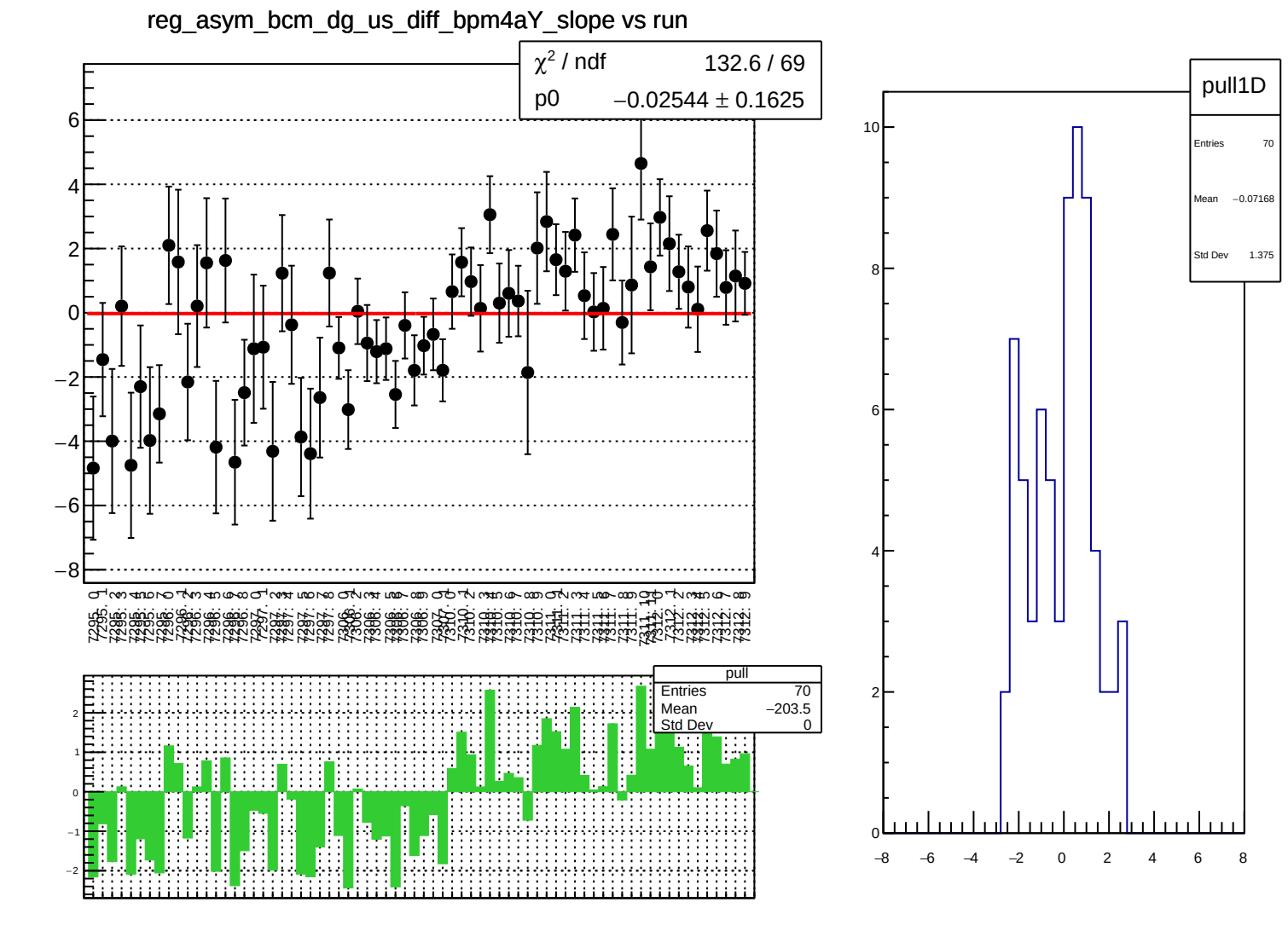

pull1D
Entries 70
Mean 0.06186
Std Dev 1.482

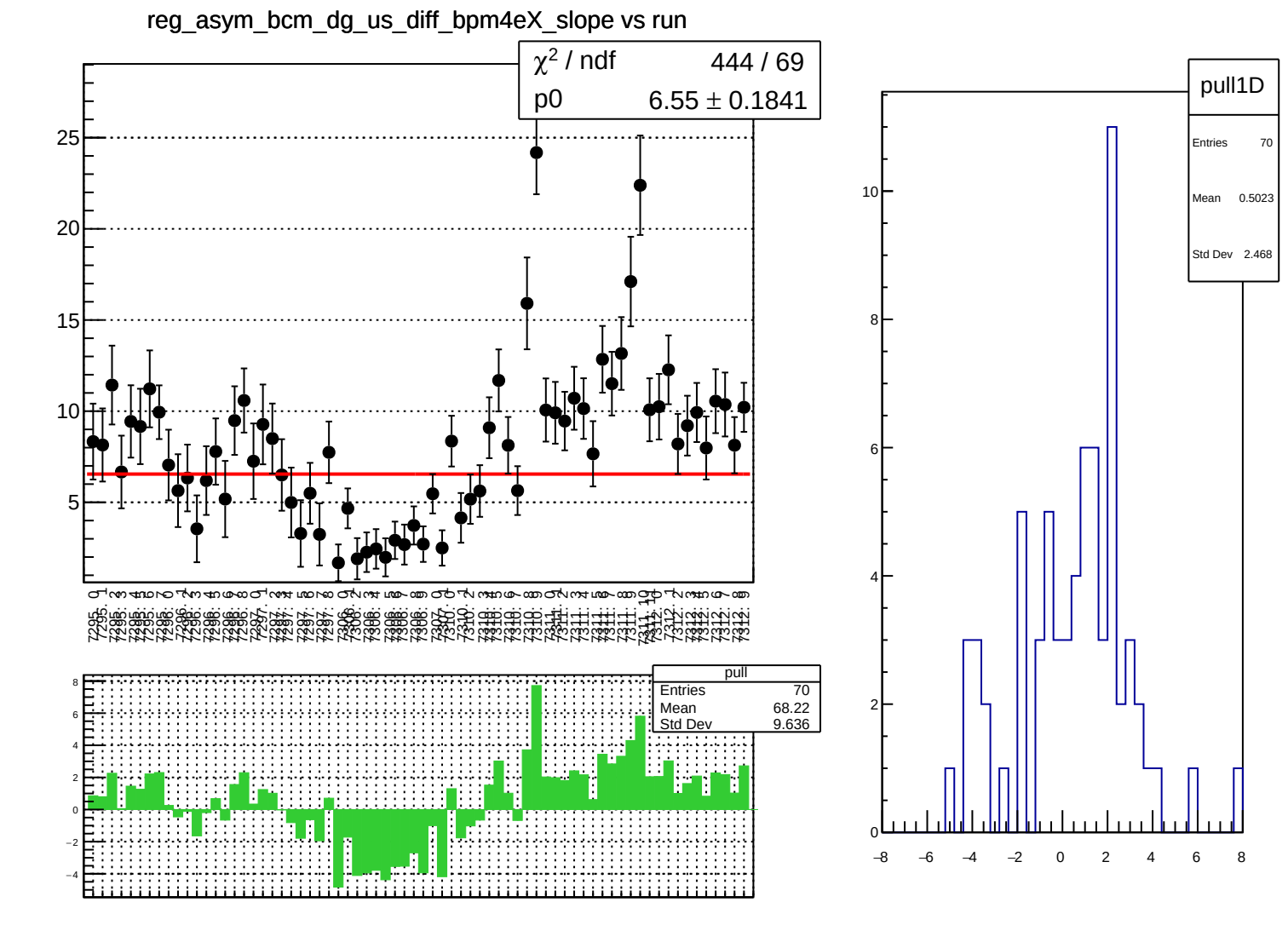

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 132.4 / 69
p0 −0.002264 ± 0.006967
pull
Entries 70
Mean 17.3
Std Dev 11.81

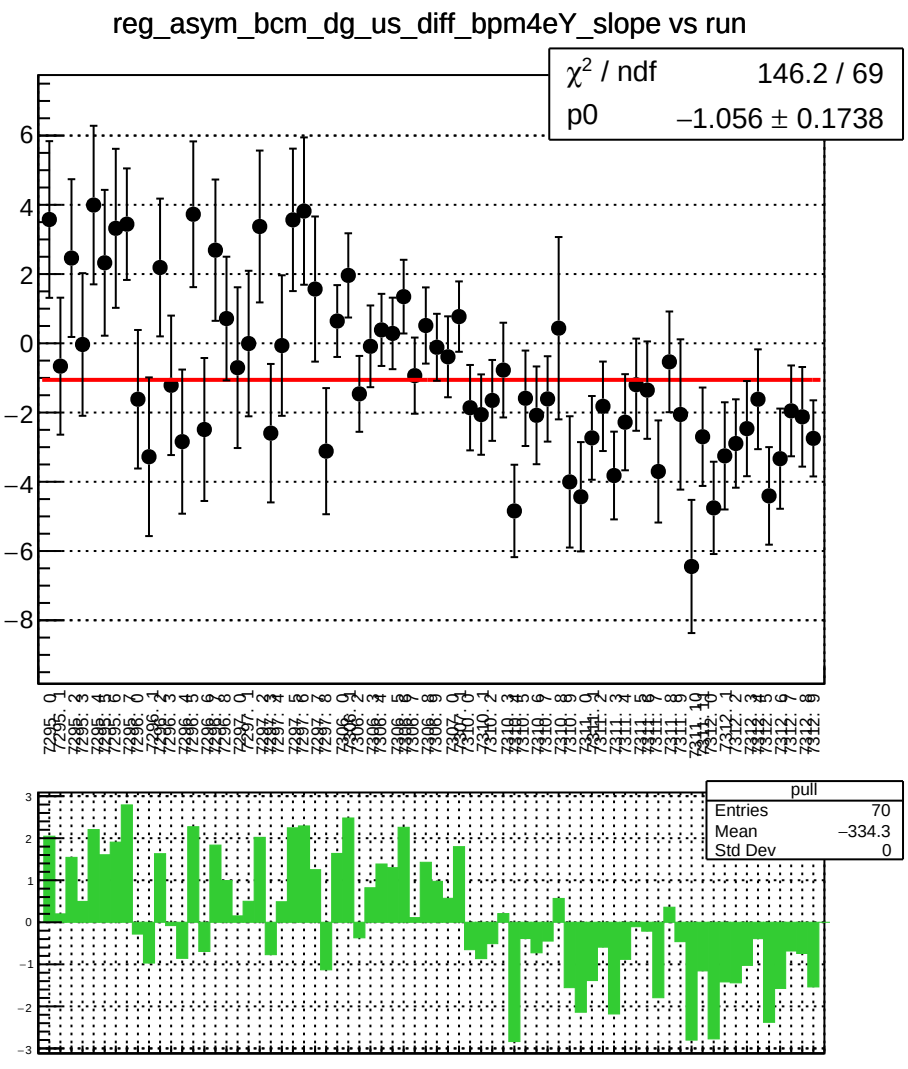

pull1D
Entries 70
Mean −0.1656
Std Dev 1.365

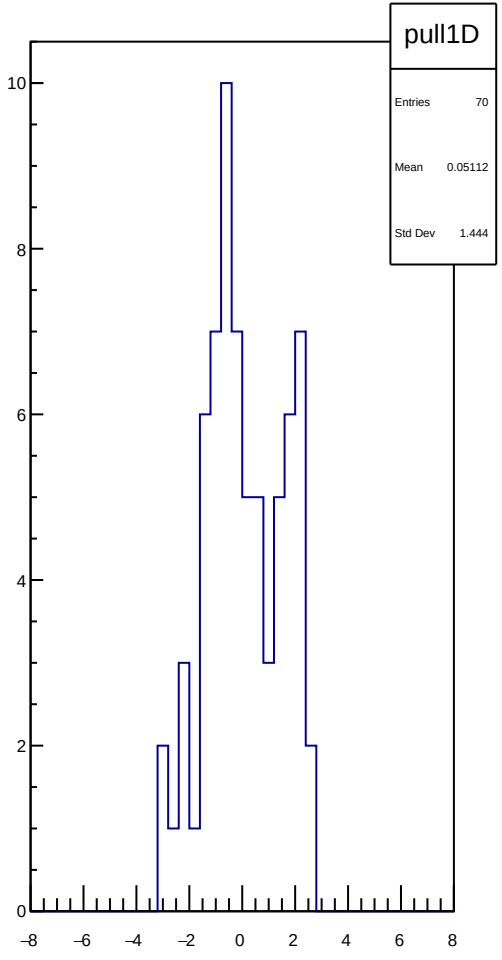

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 437.4 / 69
p0 −6.694 ± 0.1859
pull
Entries 70
Mean 61.84
Std Dev 21.33

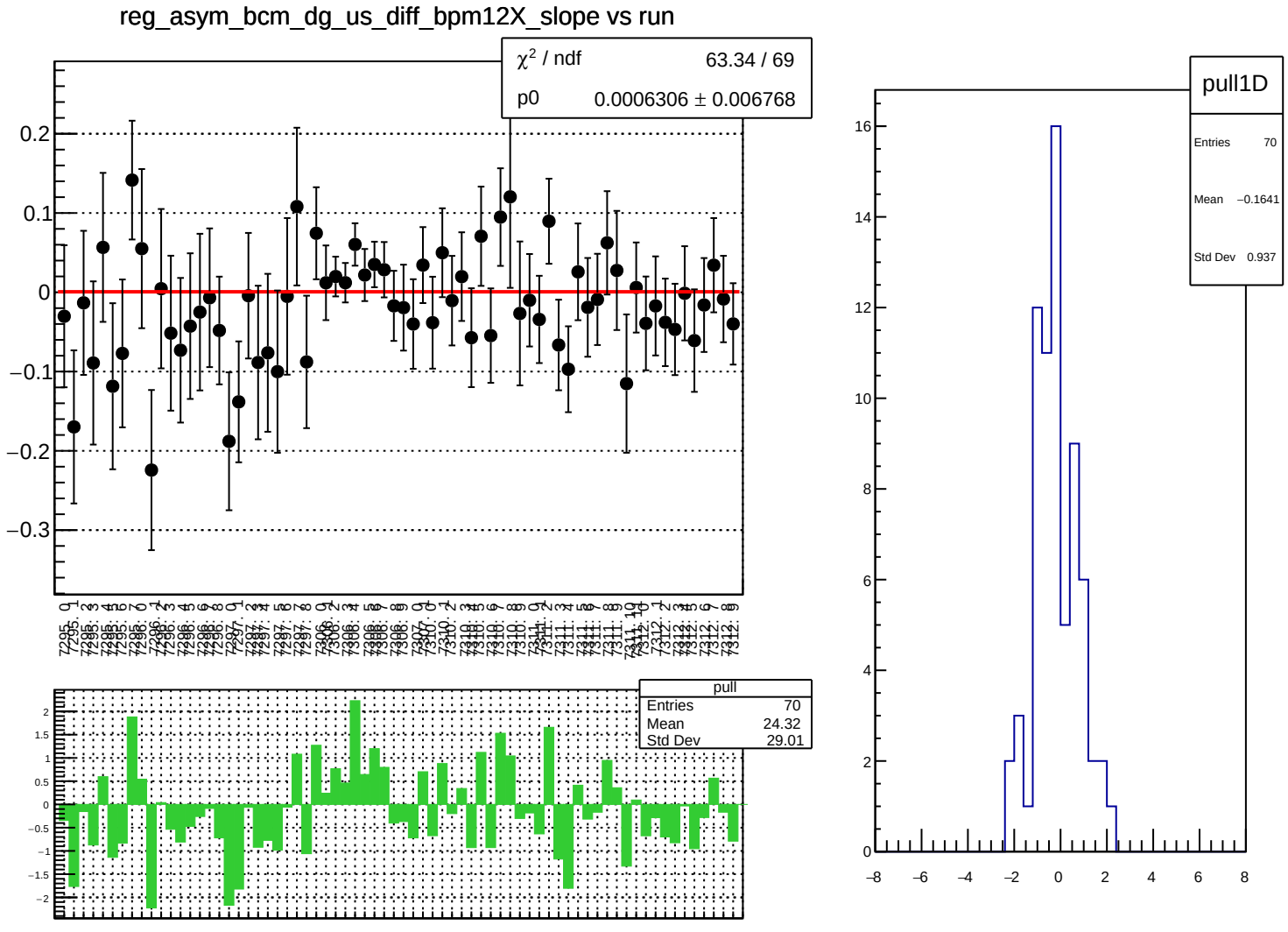

pull1D
Entries 70
Mean −0.5162
Std Dev 2.446

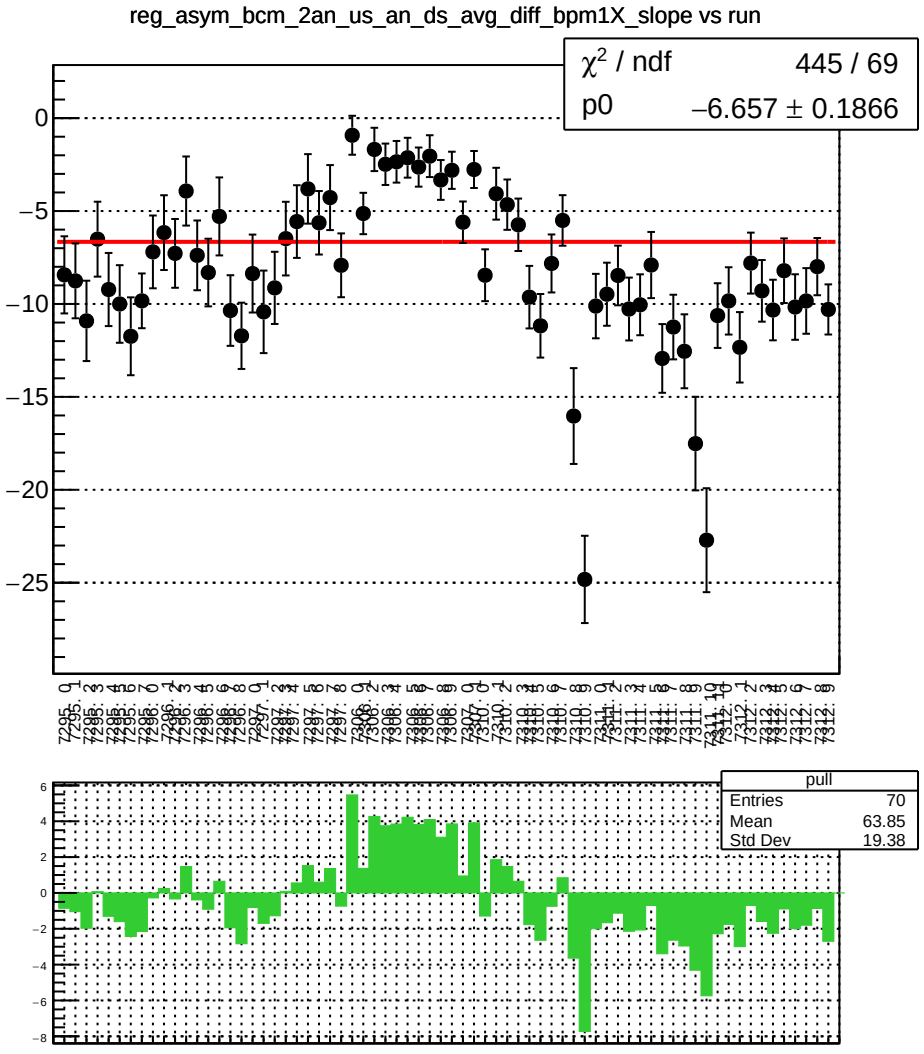

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 132.6 / 69
p0 −0.02544 ± 0.1625
pull
Entries 70
Mean −203.5
Std Dev 0
pull1D
Entries 70
Mean −0.07168
Std Dev 1.375

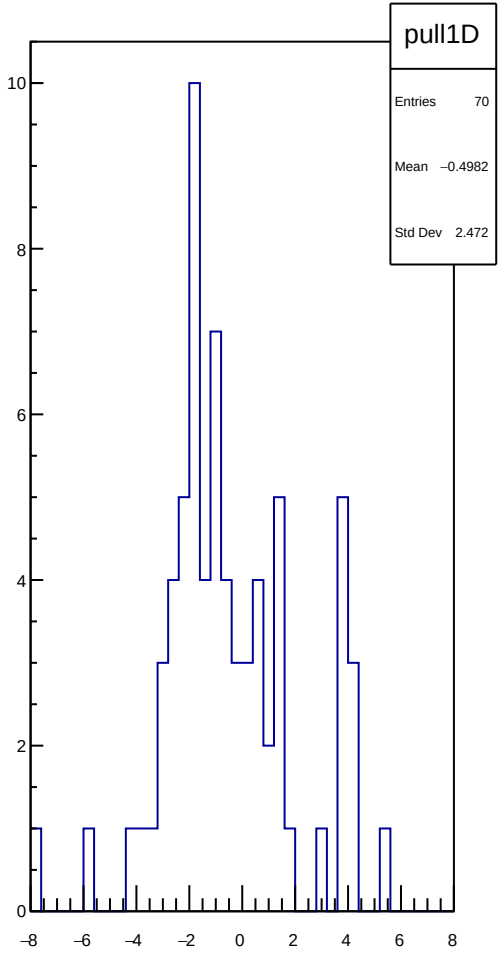

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 444 / 69
p0 6.55 ± 0.1841
pull
Entries 70
Mean 68.22
Std Dev 9.636
pull1D
Entries 70
Mean 0.5023
Std Dev 2.468

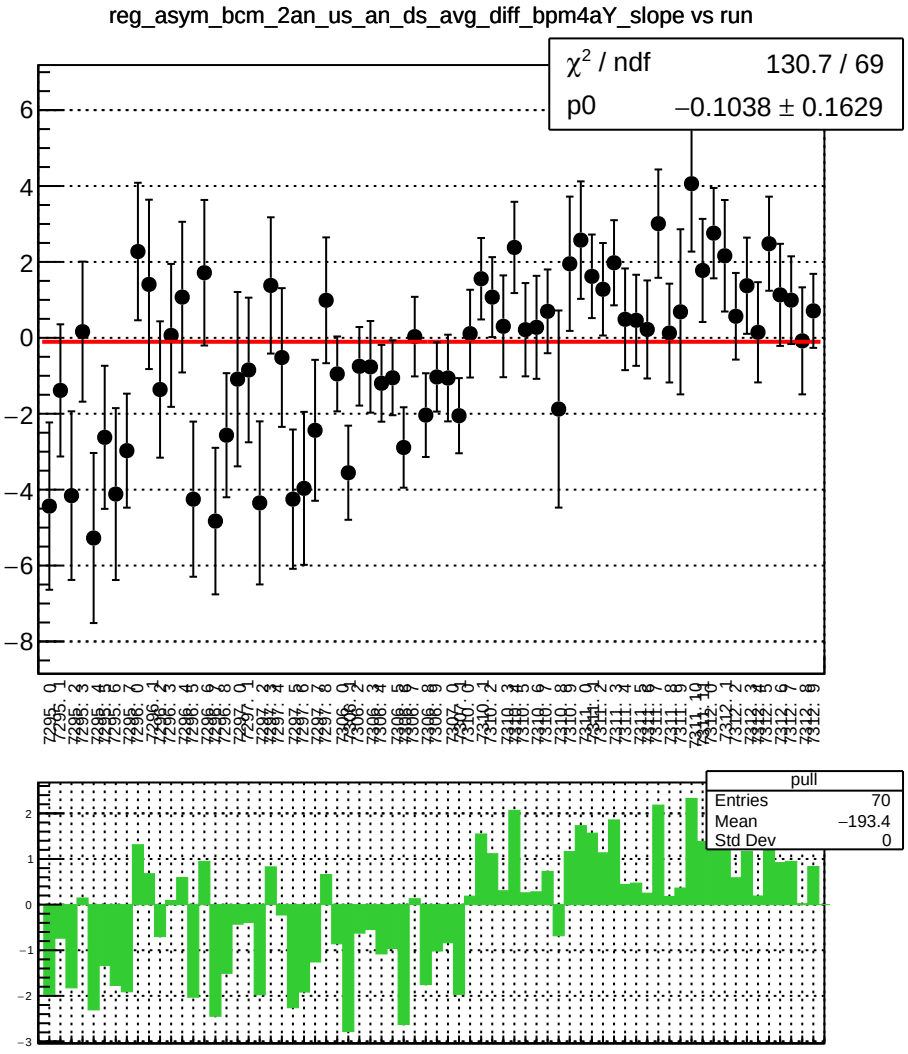

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 146.2 / 69
p0 −1.056 ± 0.1738
pull
Entries 70
Mean −334.3
Std Dev 0

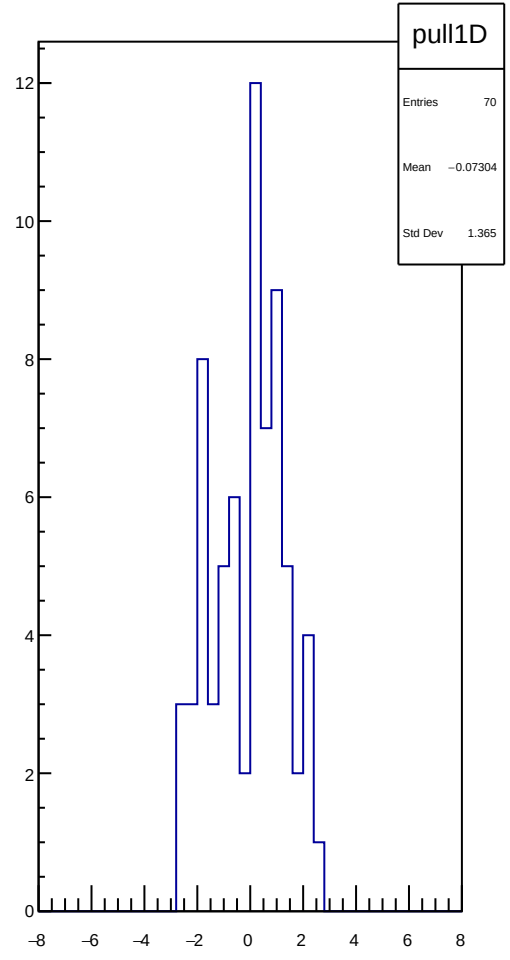

pull1D
Entries 70
Mean 0.05112
Std Dev 1.444

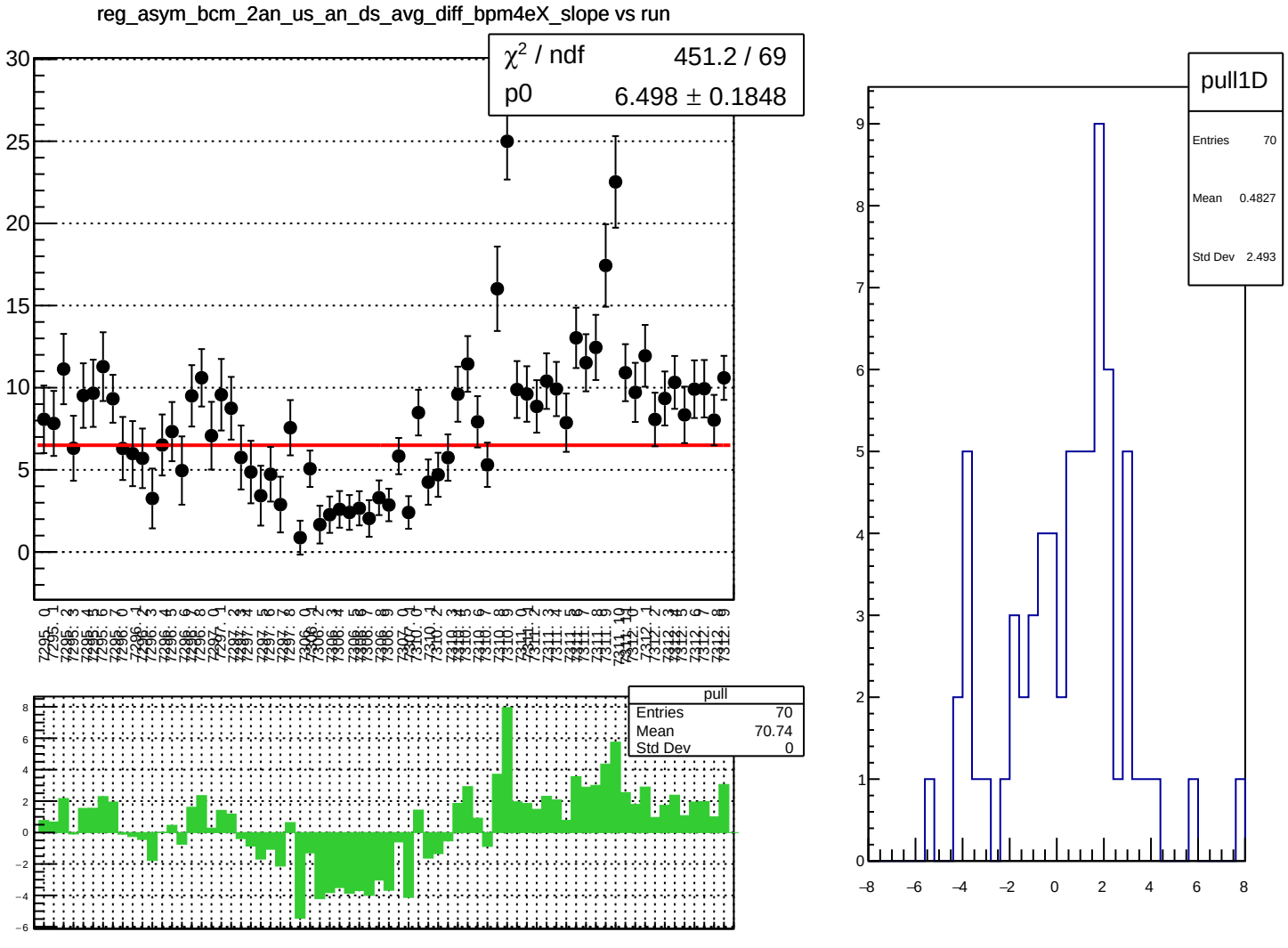

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 63.34 / 69
p0 0.0006306 ± 0.006768
pull
Entries 70
Mean 24.32
Std Dev 29.01
pull1D
Entries 70
Mean −0.1641
Std Dev 0.937

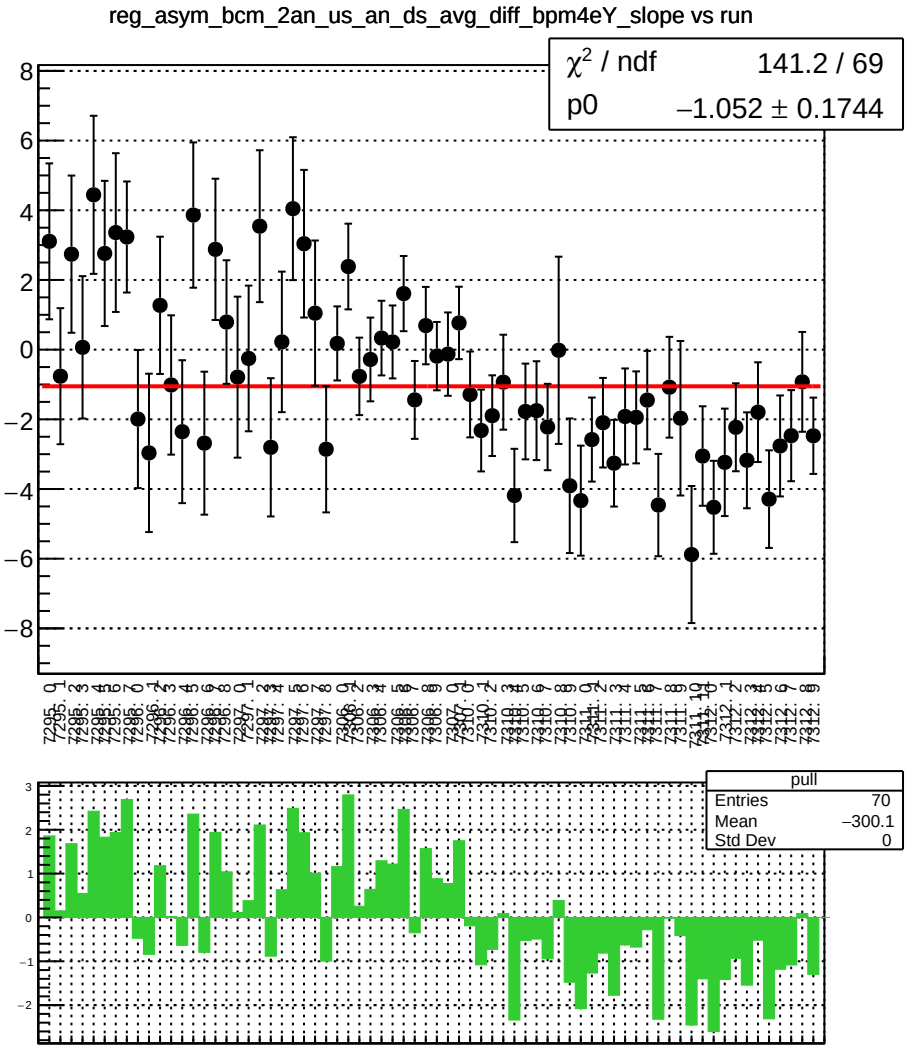

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 445 / 69
p0 −6.657 ± 0.1866
pull
Entries 70
Mean 63.85
Std Dev 19.38

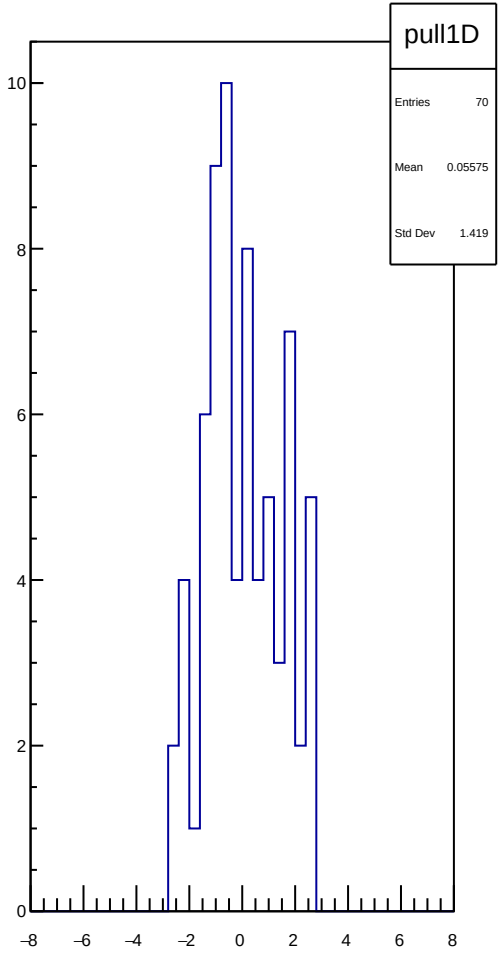

pull1D
Entries 70
Mean −0.4982
Std Dev 2.472

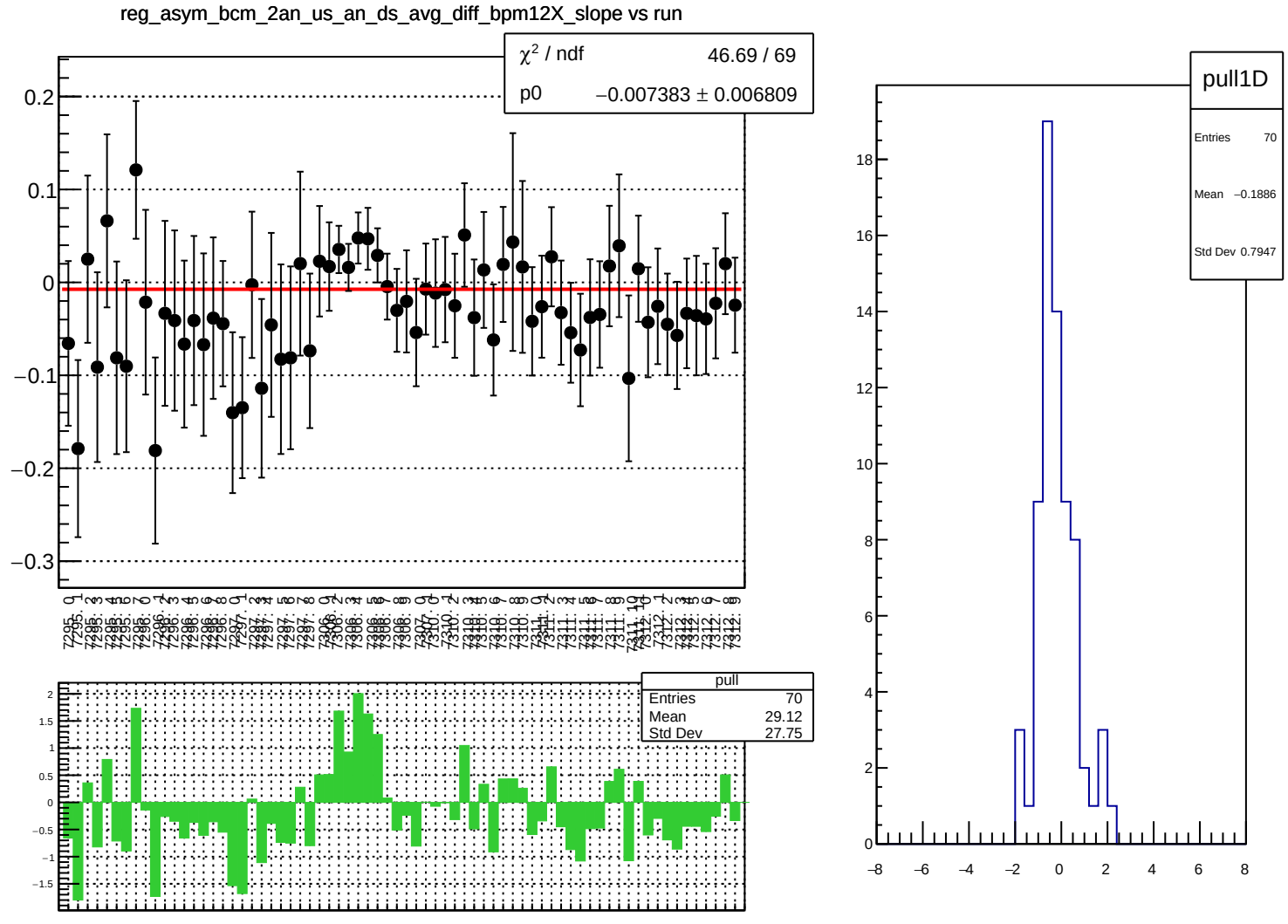

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 130.7 / 69
p0 −0.1038 ± 0.1629
pull
Entries 70
Mean −193.4
Std Dev 0

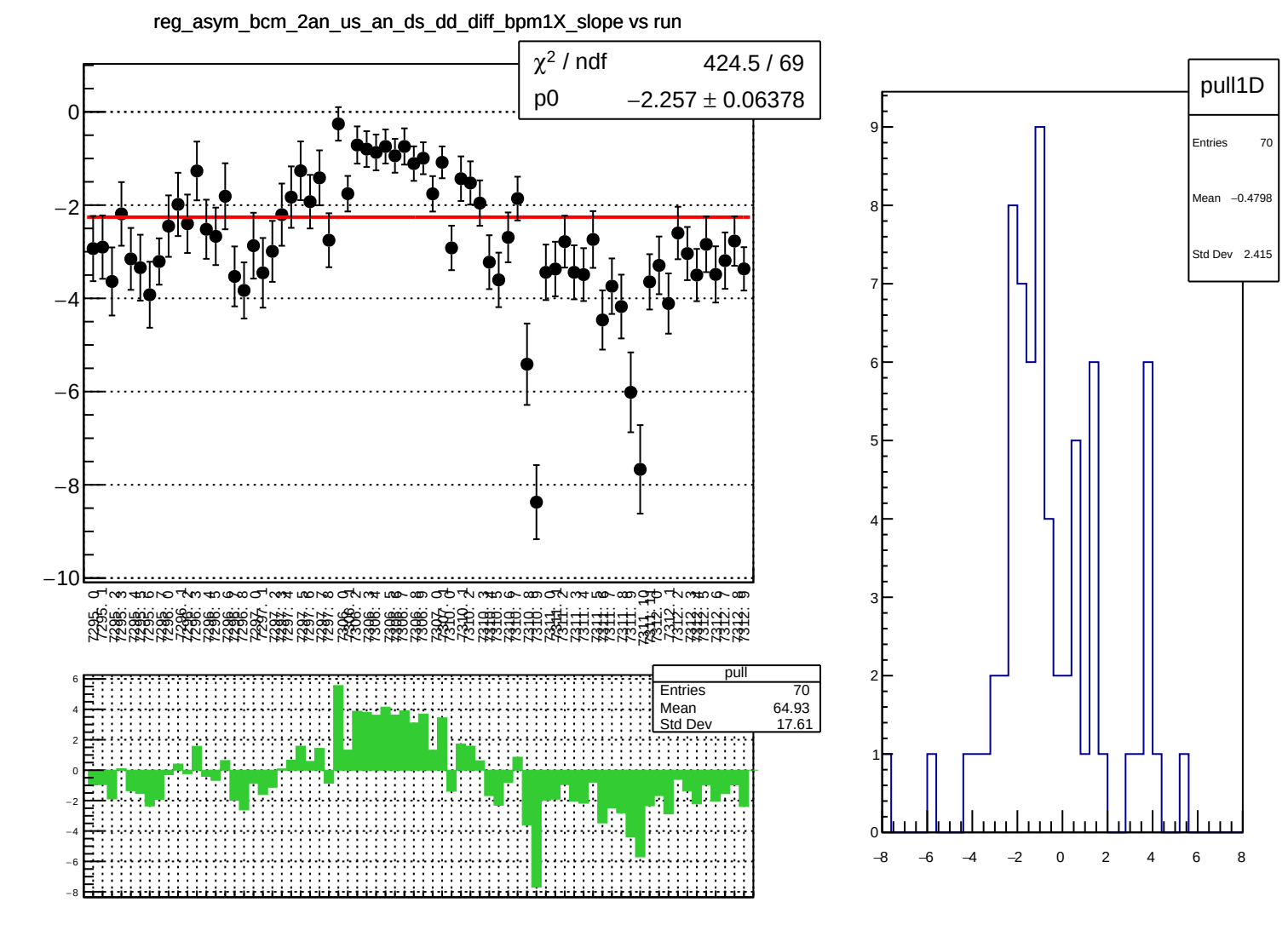

pull1D
Entries 70
Mean −0.07304
Std Dev 1.365

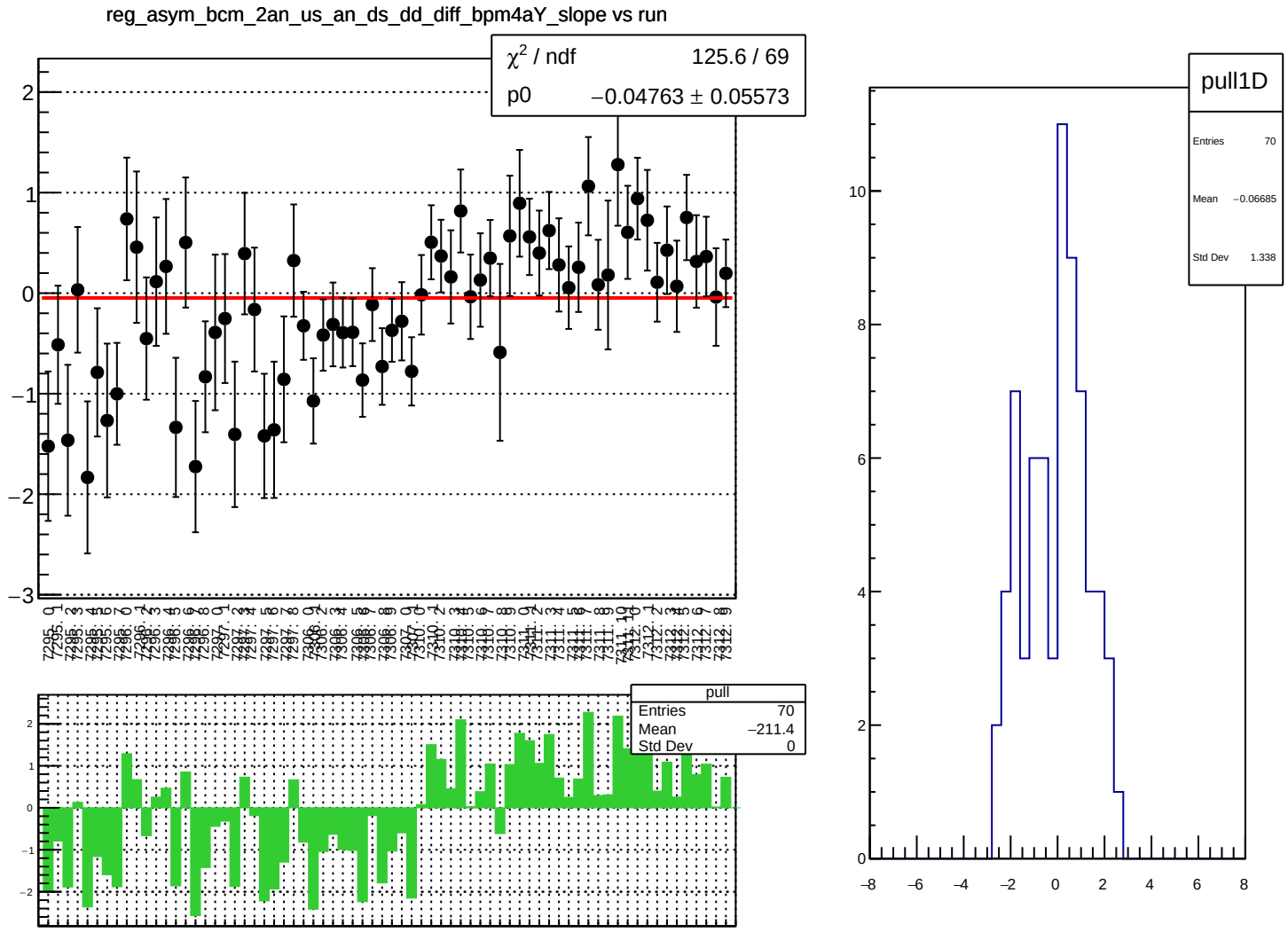

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 451.2 / 69
p0 6.498 ± 0.1848
pull
Entries 70
Mean 70.74
Std Dev 0
pull1D
Entries 70
Mean 0.4827
Std Dev 2.493

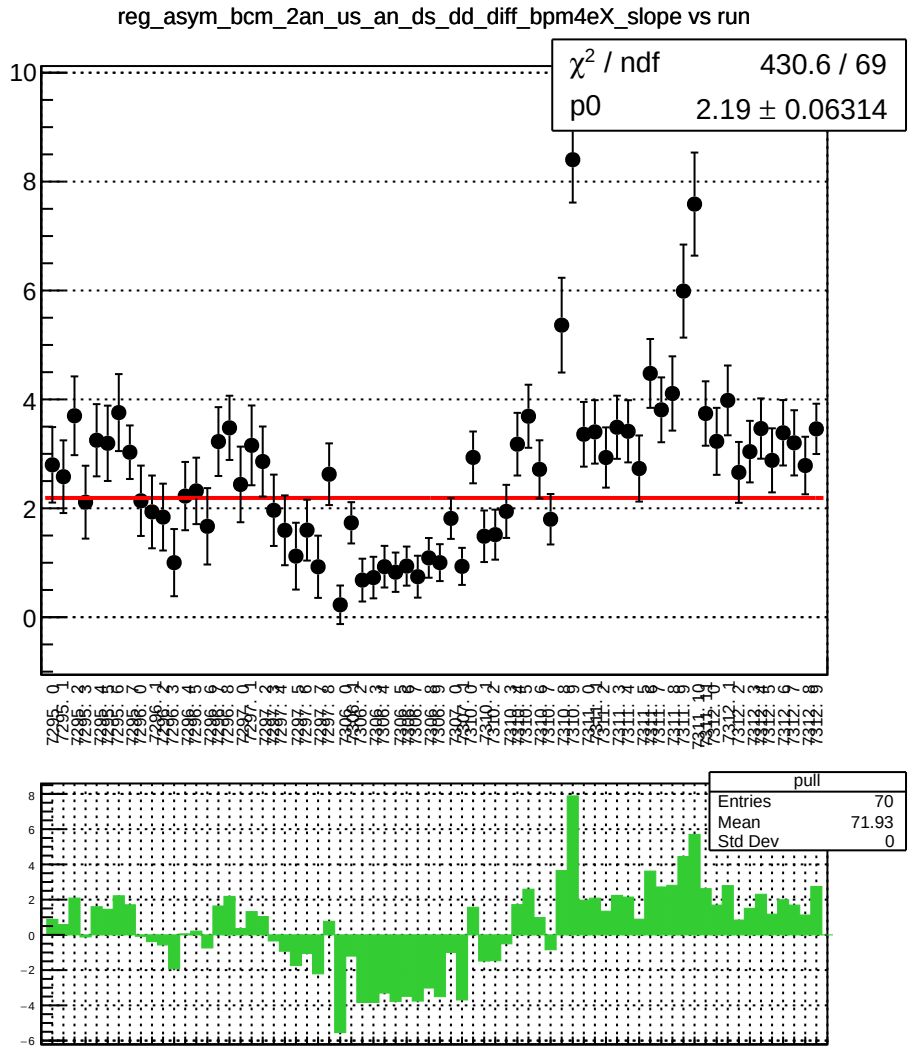

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 141.2 / 69
p0 −1.052 ± 0.1744
pull
Entries 70
Mean −300.1
Std Dev 0

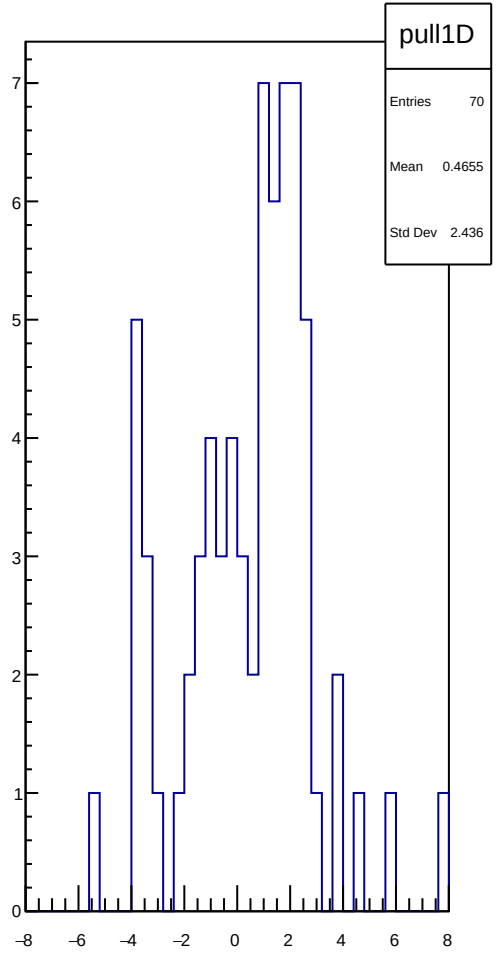

pull1D
Entries 70
Mean 0.05575
Std Dev 1.419

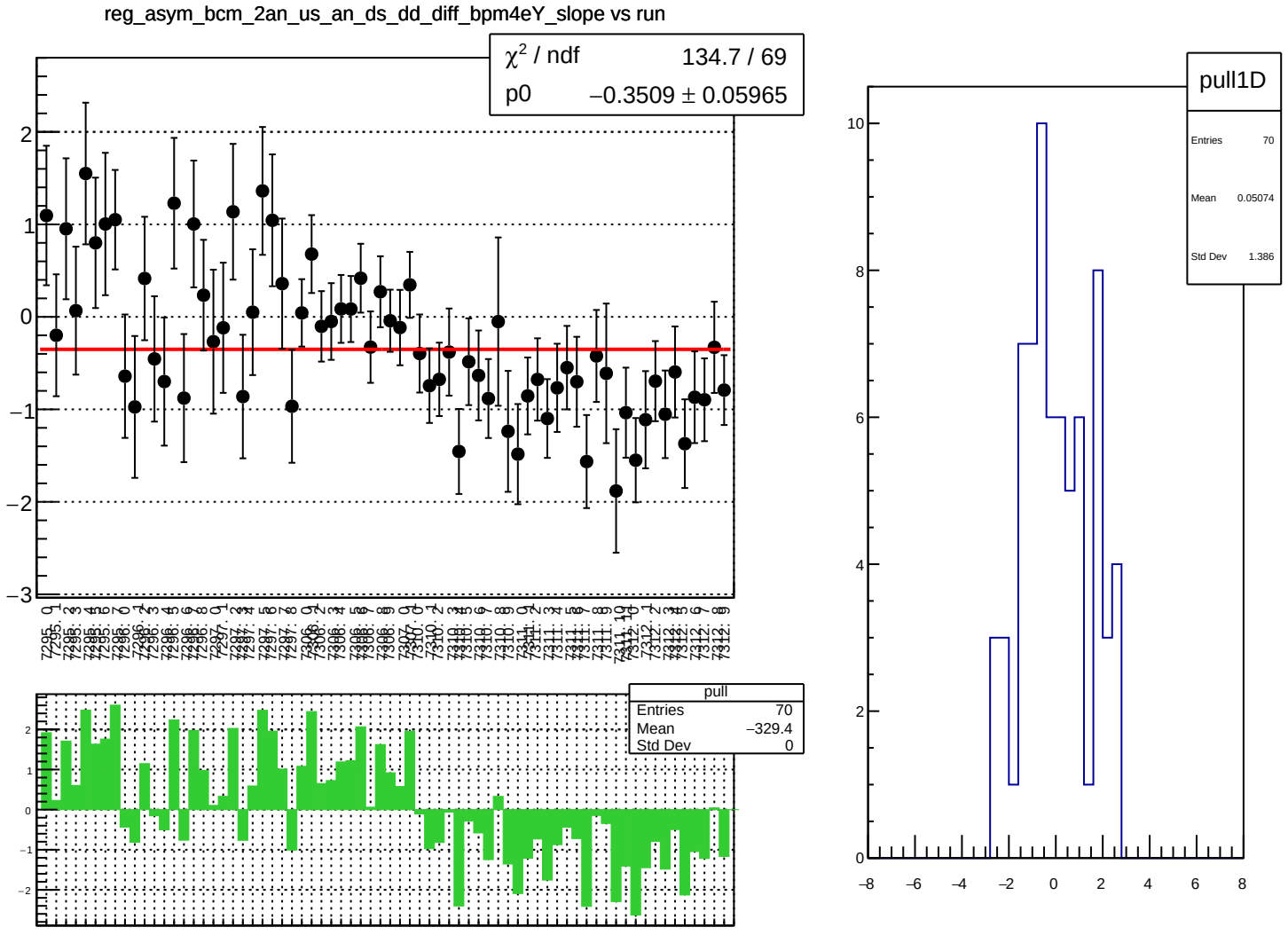

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 46.69 / 69
p0 −0.007383 ± 0.006809
pull
Entries 70
Mean 29.12
Std Dev 27.75
pull1D
Entries 70
Mean −0.1886
Std Dev 0.7947

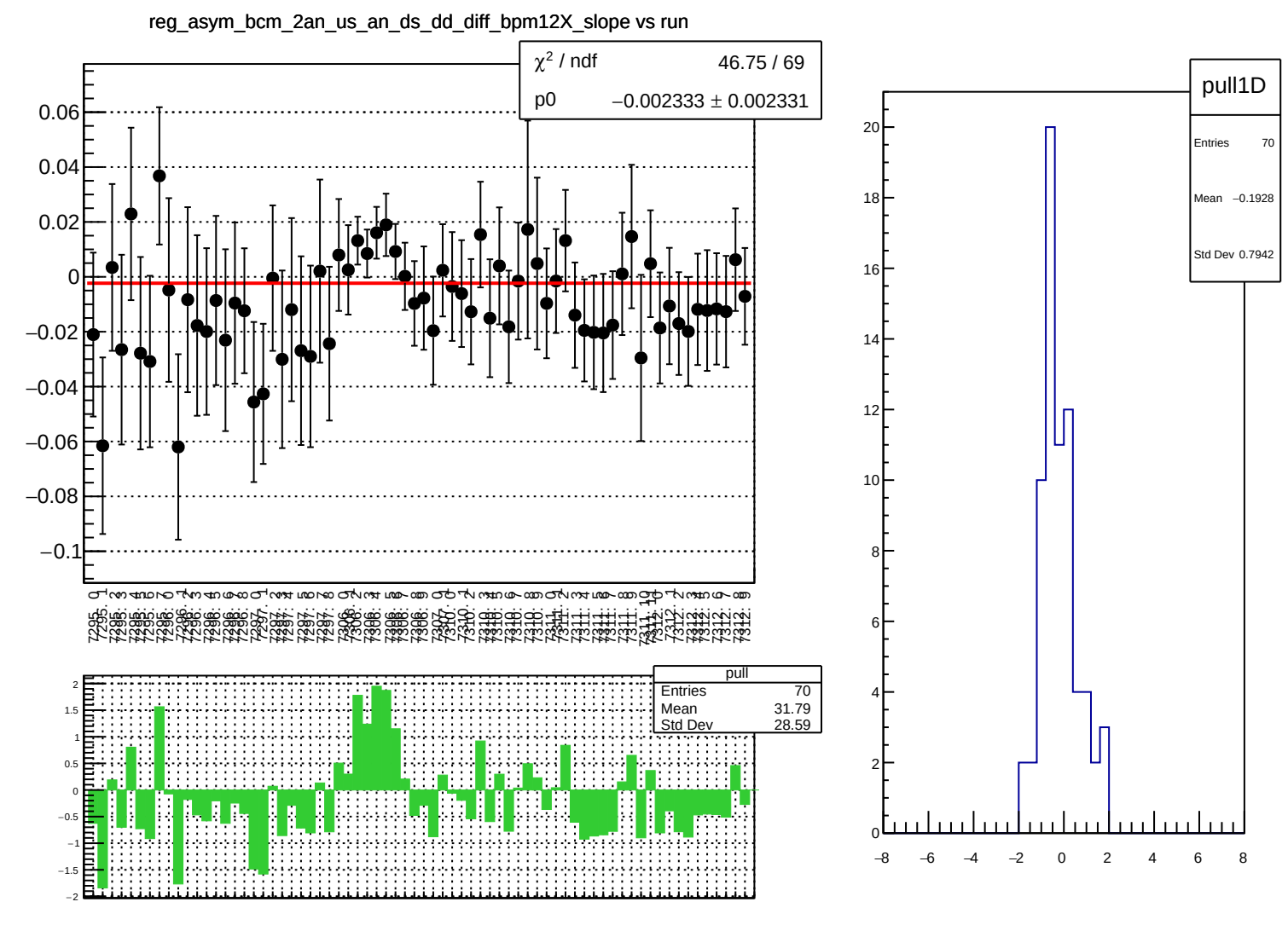

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 424.5 / 69
p0 −2.257 ± 0.06378
pull
Entries 70
Mean 64.93
Std Dev 17.61
pull1D
Entries 70
Mean −0.4798
Std Dev 2.415

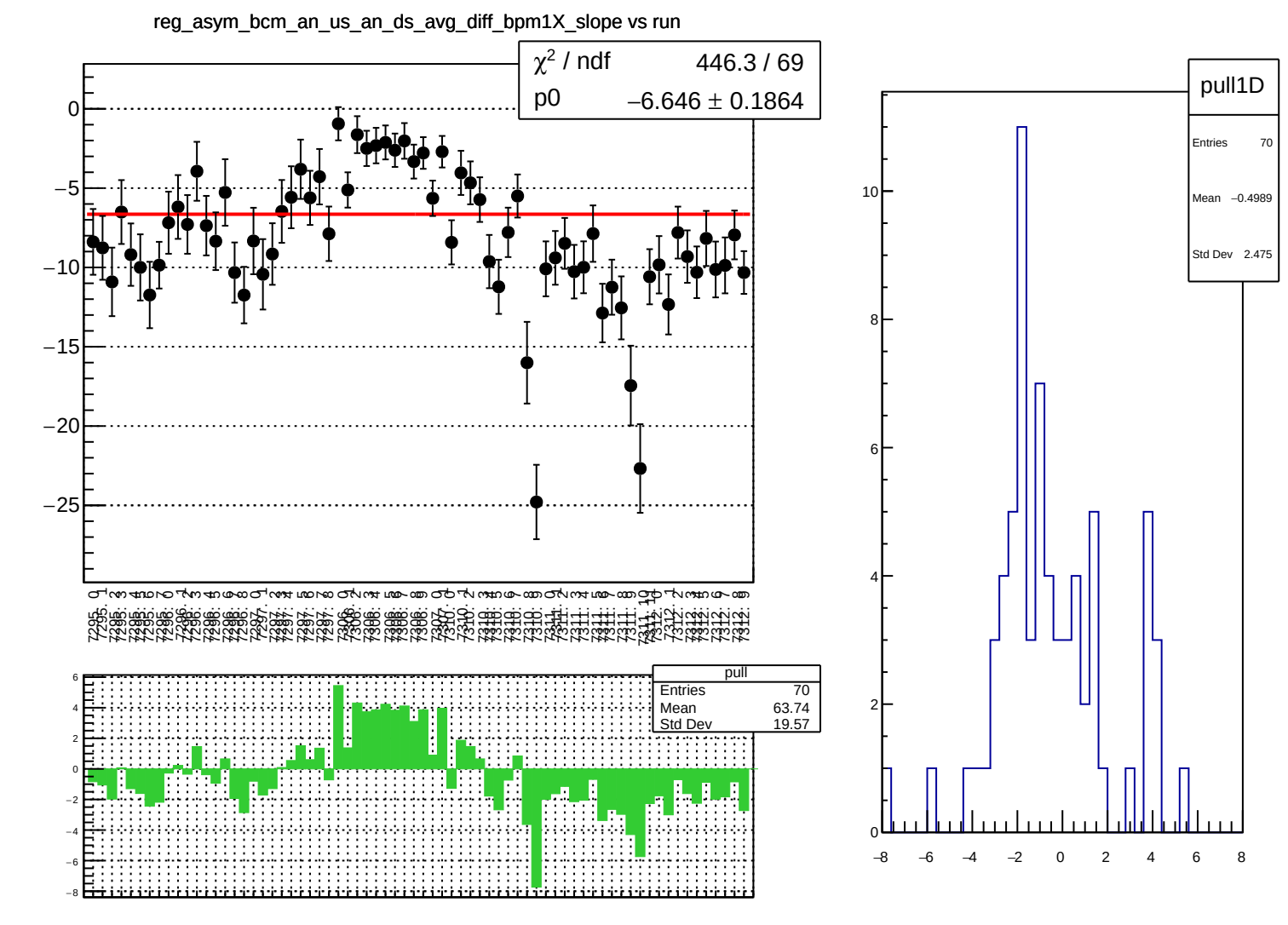

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 125.6 / 69
p0 −0.04763 ± 0.05573
pull
Entries 70
Mean −211.4
Std Dev 0
pull1D
Entries 70
Mean −0.06685
Std Dev 1.338

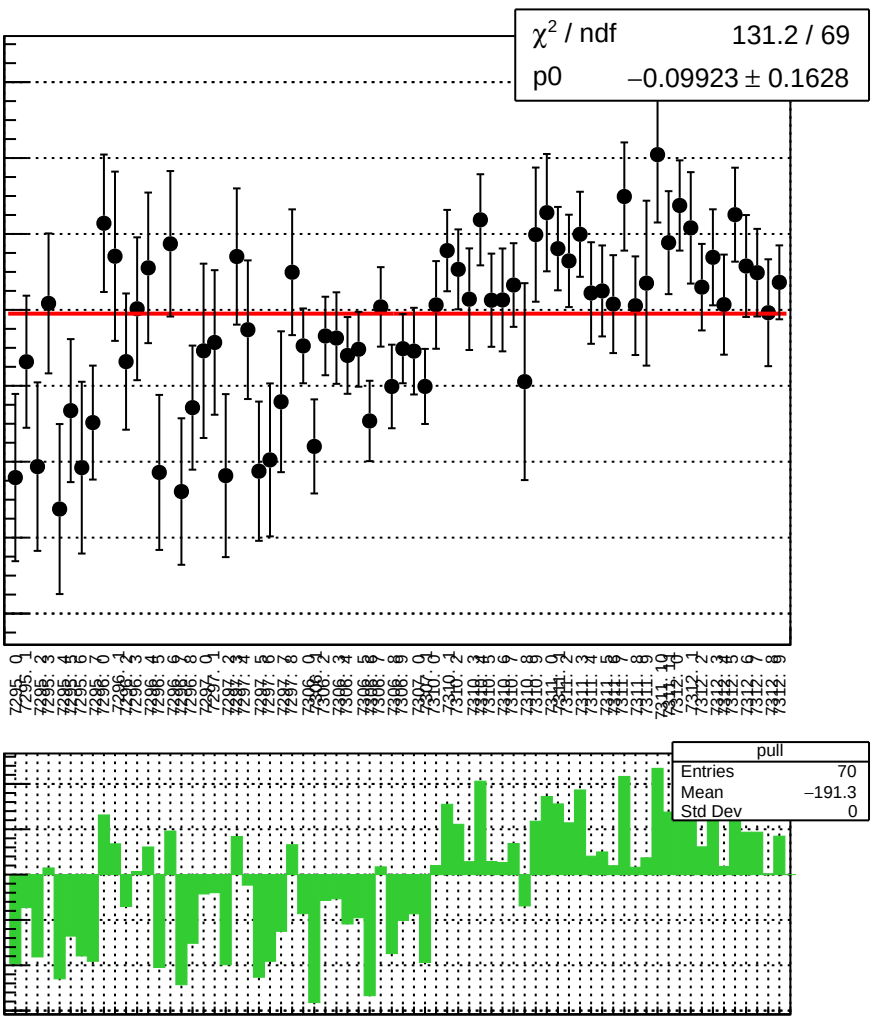

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 430.6 / 69
p0 2.19 ± 0.06314
pull
Entries 70
Mean 71.93
Std Dev 0

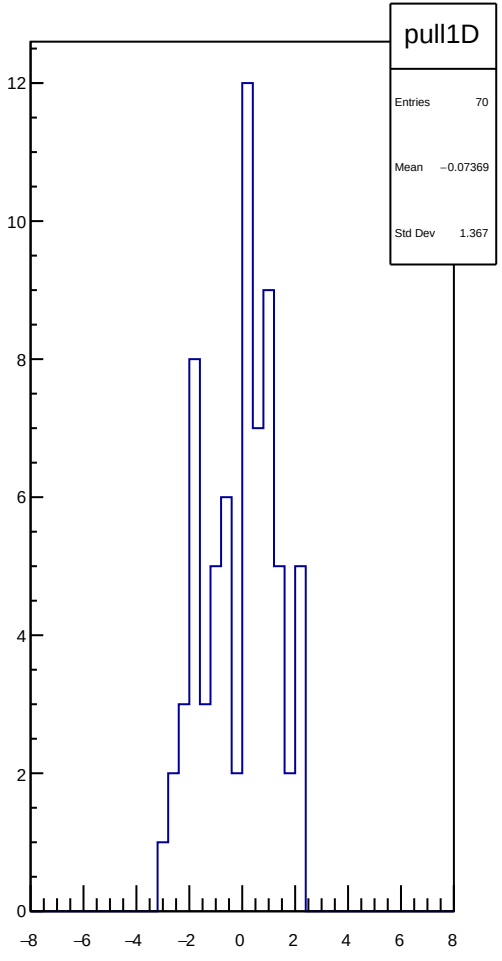

pull1D
Entries 70
Mean 0.4655
Std Dev 2.436

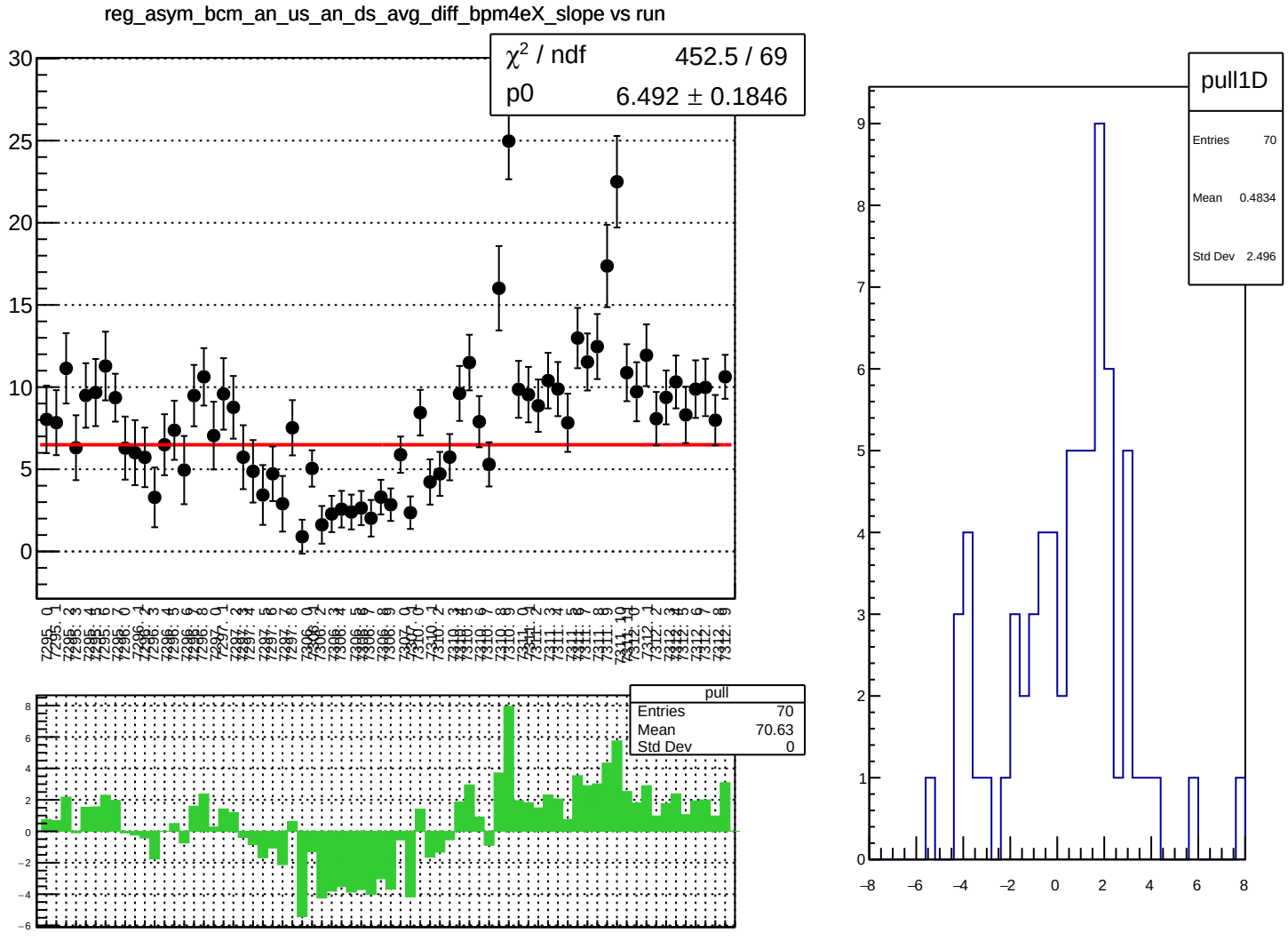

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 134.7 / 69
p0 −0.3509 ± 0.05965
pull
Entries 70
Mean −329.4
Std Dev 0
pull1D
Entries 70
Mean 0.05074
Std Dev 1.386

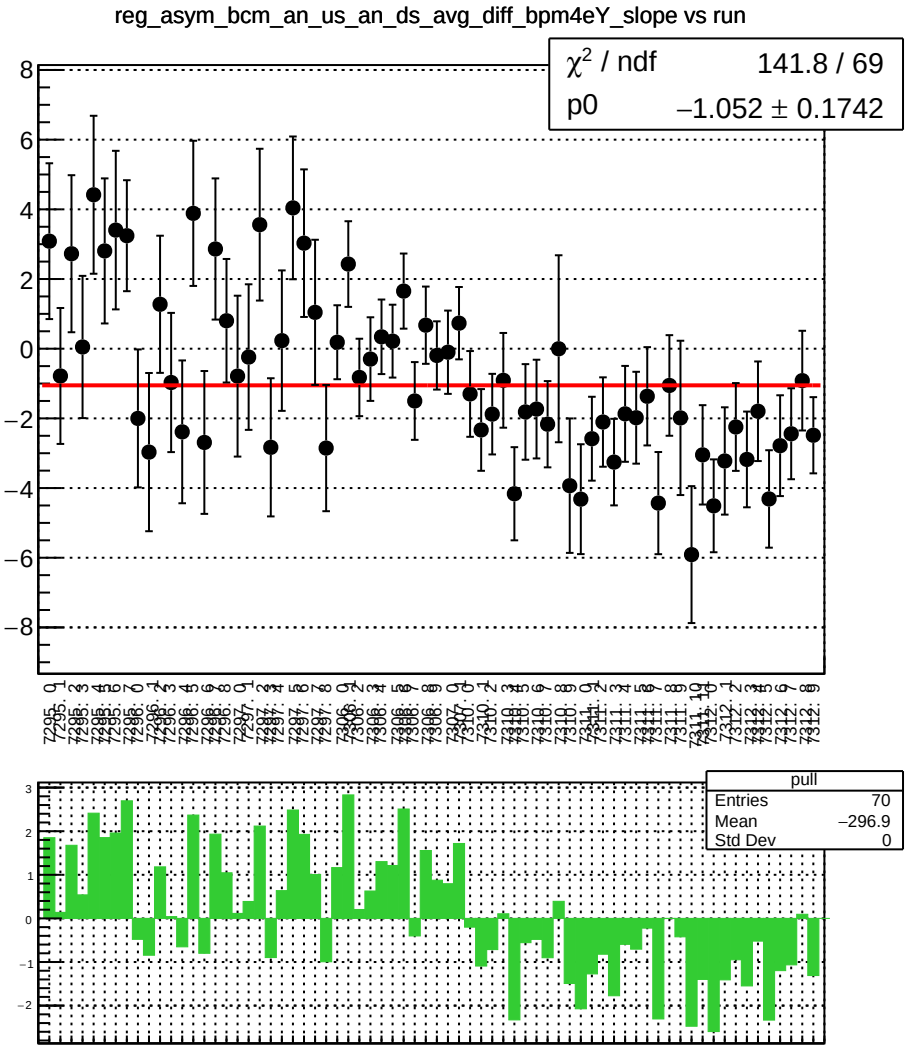

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 46.75 / 69
p0 −0.002333 ± 0.002331
pull
Entries 70
Mean 31.79
Std Dev 28.59
pull1D
Entries 70
Mean −0.1928
Std Dev 0.7942

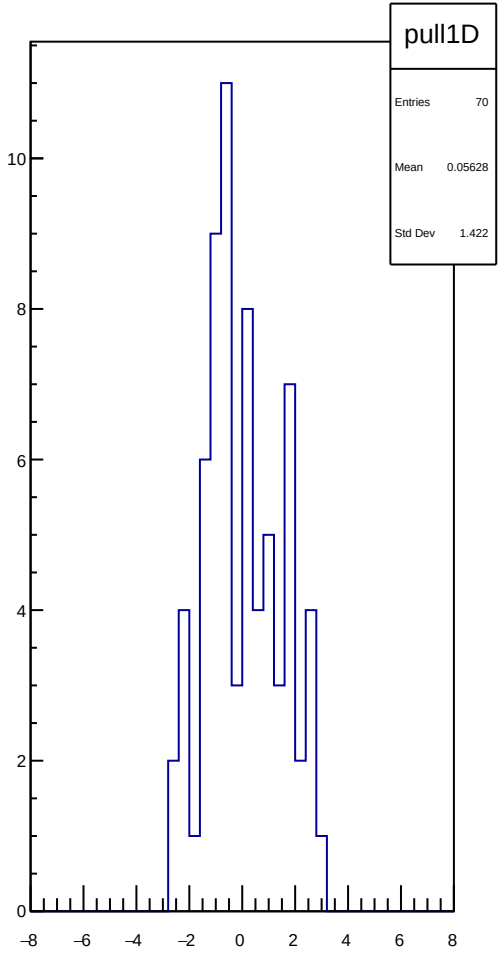

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 446.3 / 69
p0 −6.646 ± 0.1864
pull
Entries 70
Mean 63.74
Std Dev 19.57
pull1D
Entries 70
Mean −0.4989
Std Dev 2.475

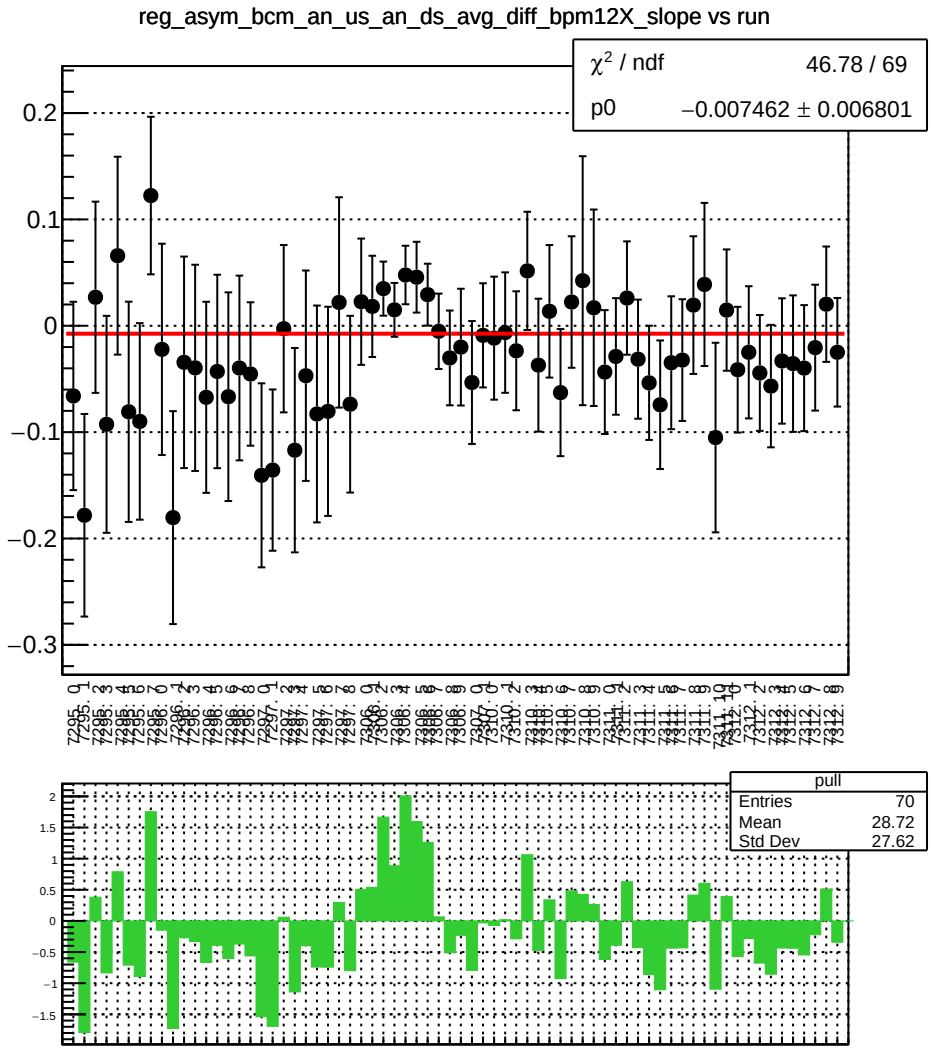

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 131.2 / 69
p0 −0.09923 ± 0.1628
pull
Entries 70
Mean −191.3
Std Dev 0

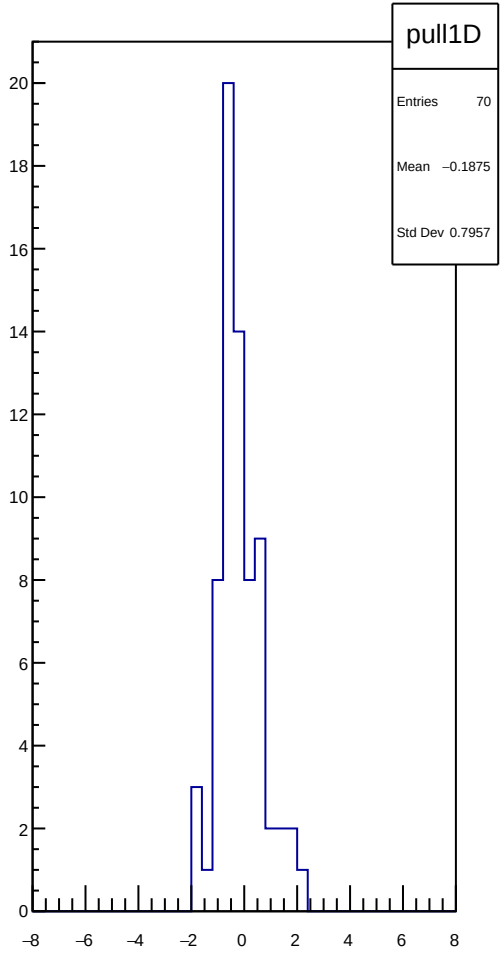

pull1D
Entries 70
Mean −0.07369
Std Dev 1.367

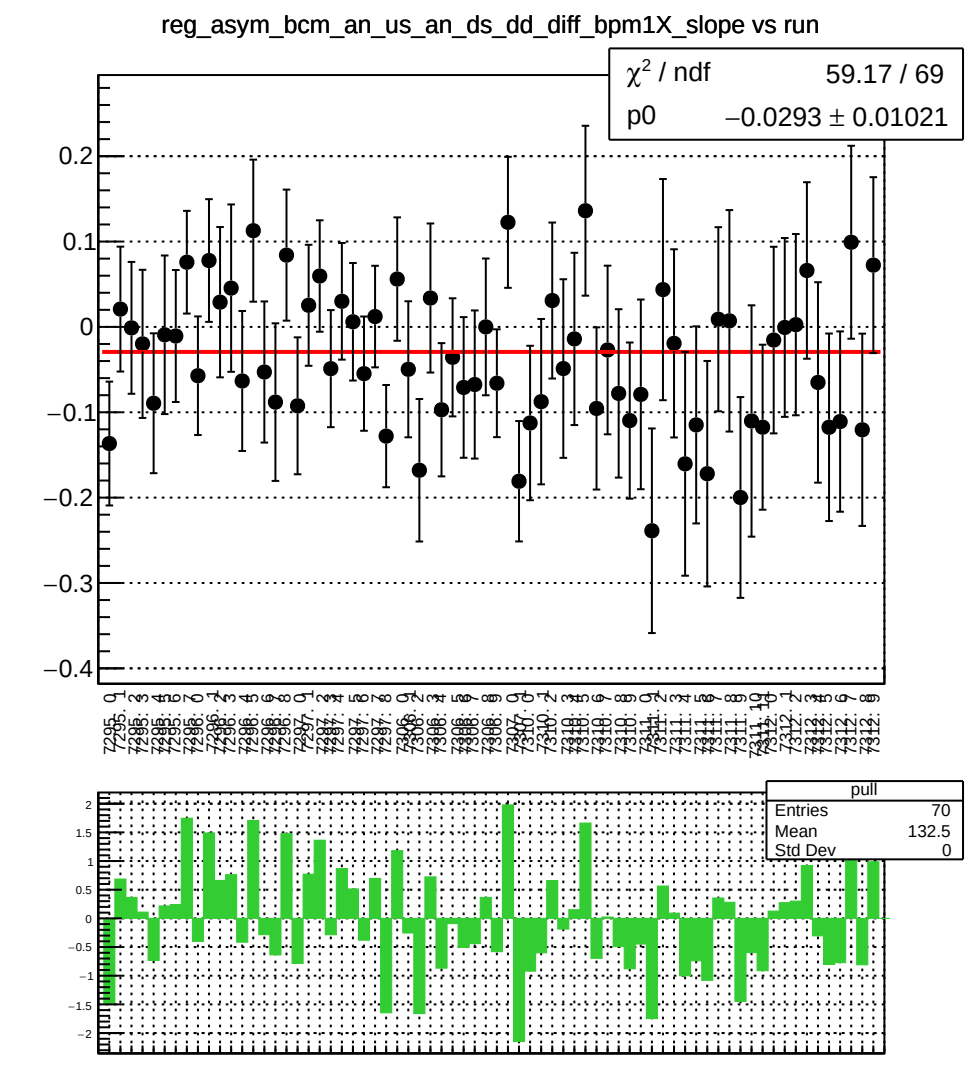

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 452.5 / 69
p0 6.492 ± 0.1846
pull
Entries 70
Mean 70.63
Std Dev 0
pull1D
Entries 70
Mean 0.4834
Std Dev 2.496

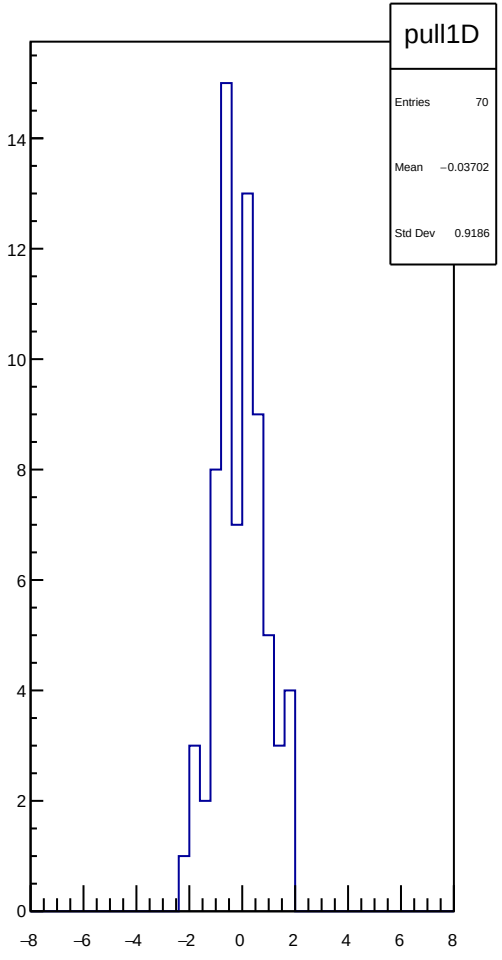

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 141.8 / 69
p0 −1.052 ± 0.1742
pull
Entries 70
Mean −296.9
Std Dev 0

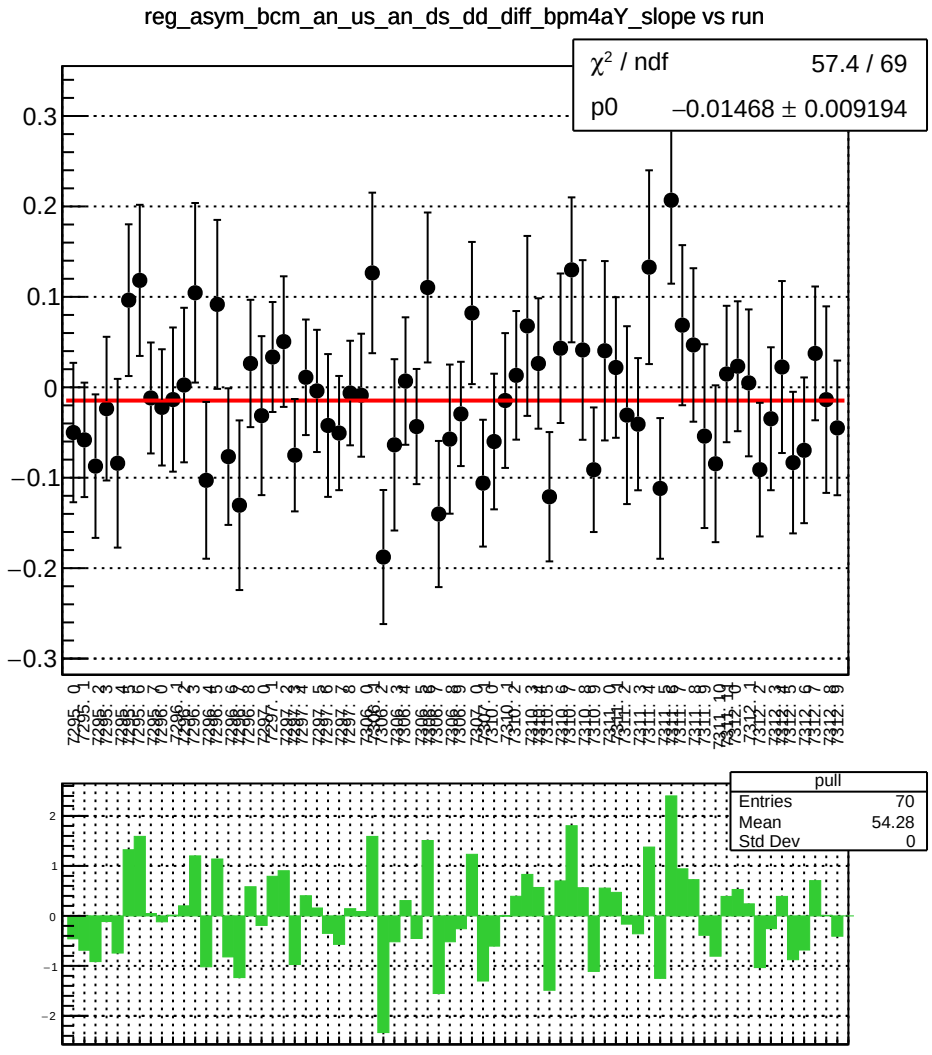

pull1D
Entries 70
Mean 0.05628
Std Dev 1.422

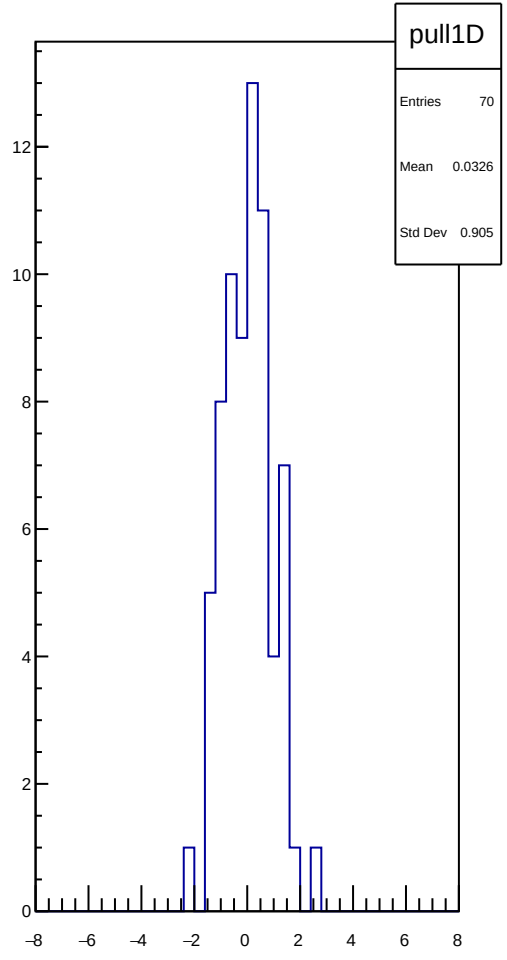

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 46.78 / 69
p0 −0.007462 ± 0.006801
pull
Entries 70
Mean 28.72
Std Dev 27.62

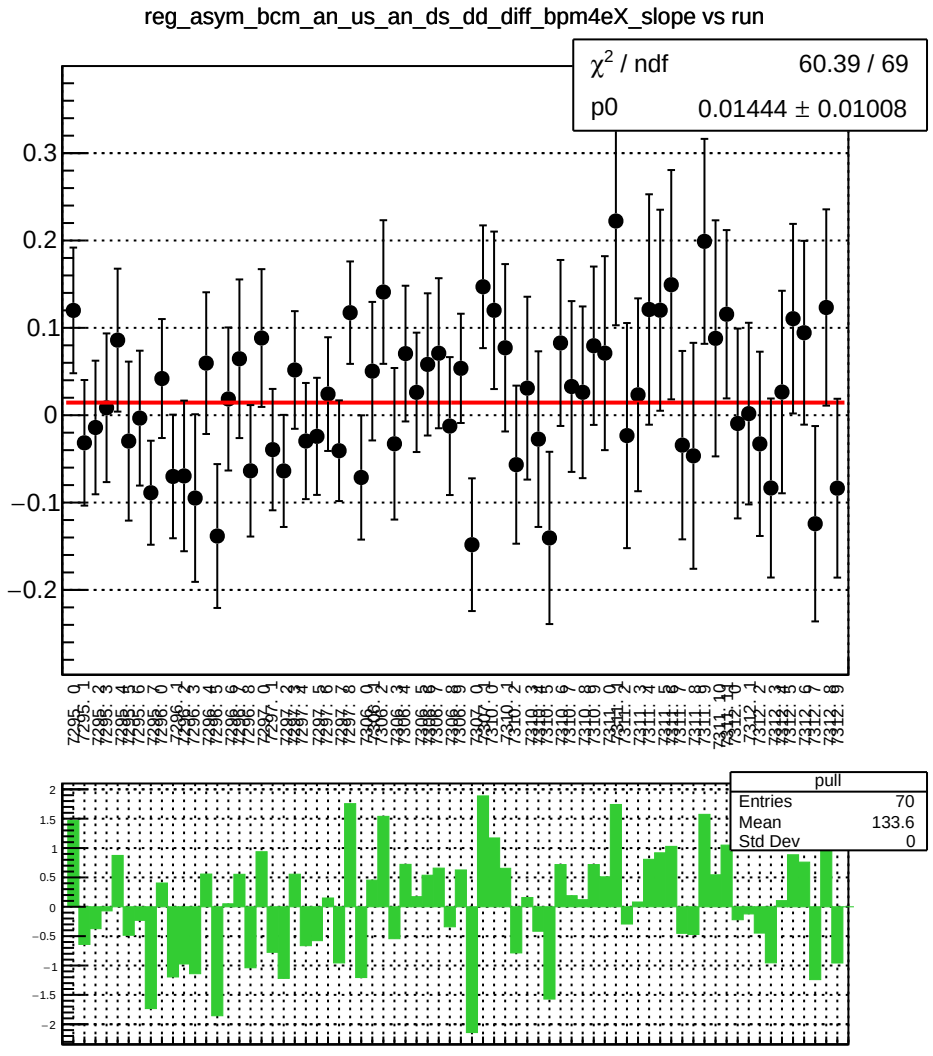

pull1D
Entries 70
Mean −0.1875
Std Dev 0.7957

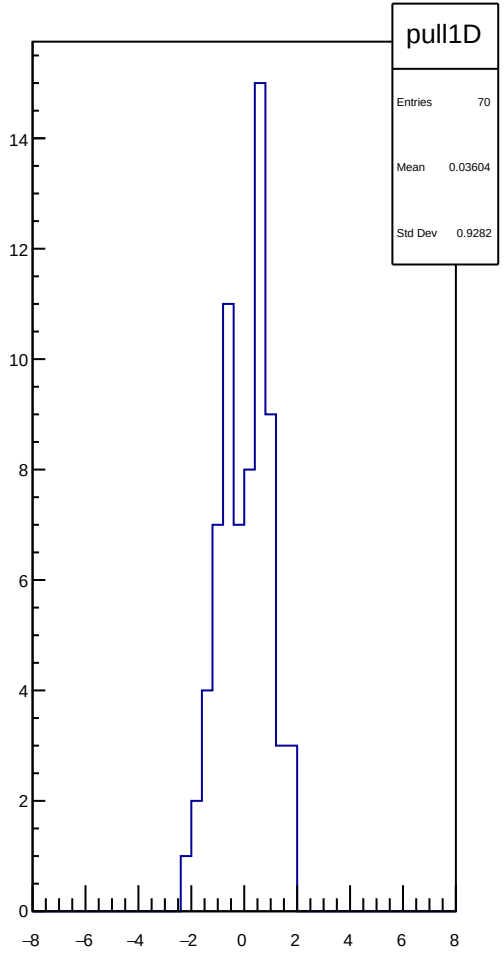

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 59.17 / 69
p0 −0.0293 ± 0.01021
pull
Entries 70
Mean 132.5
Std Dev 0

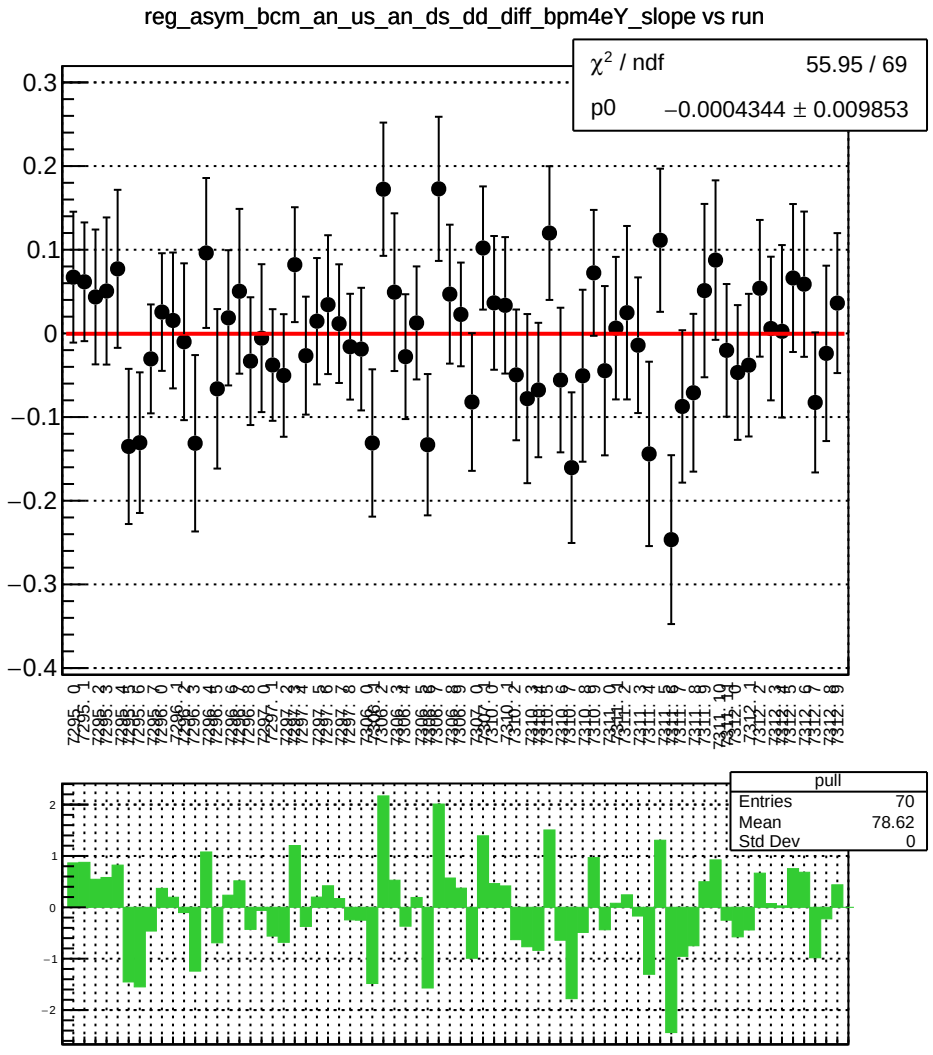

pull1D
Entries 70
Mean −0.03702
Std Dev 0.9186

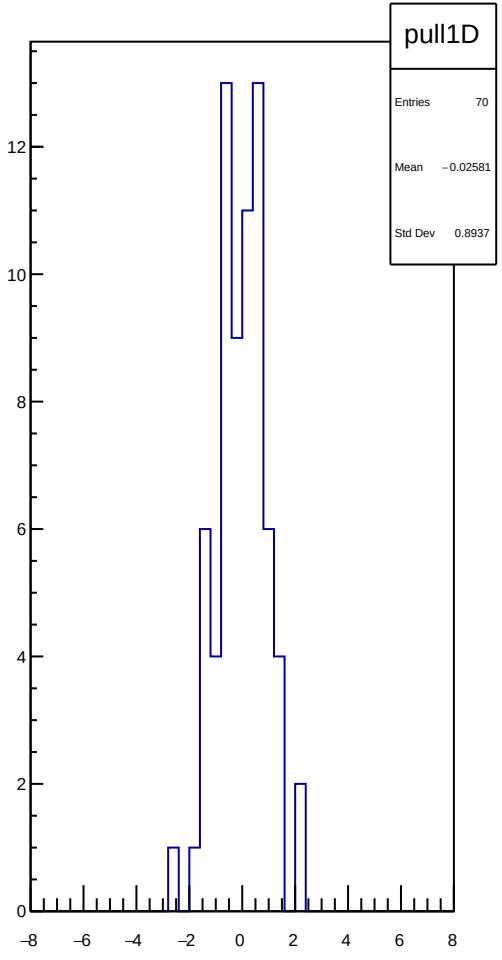

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.4 / 69
p0 −0.01468 ± 0.009194
pull
Entries 70
Mean 54.28
Std Dev 0

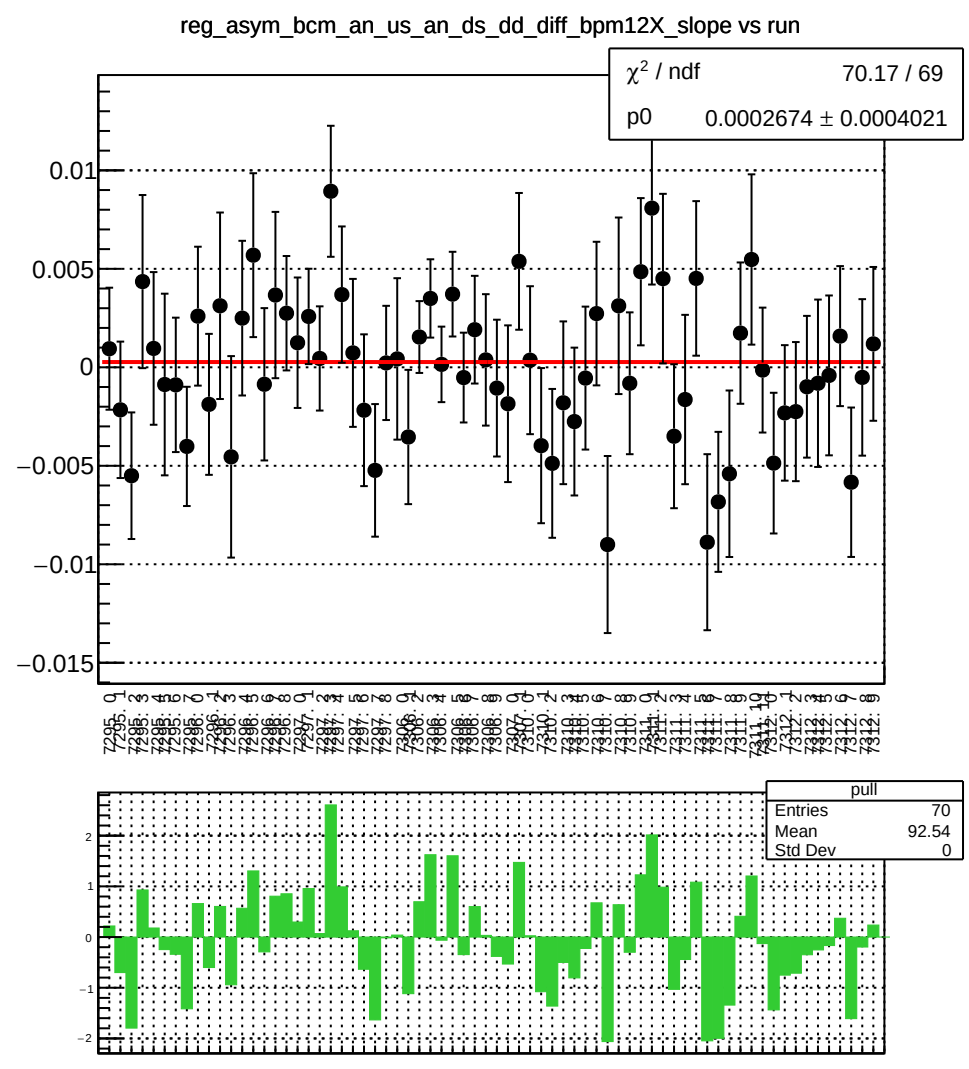

pull1D
Entries 70
Mean 0.0326
Std Dev 0.905

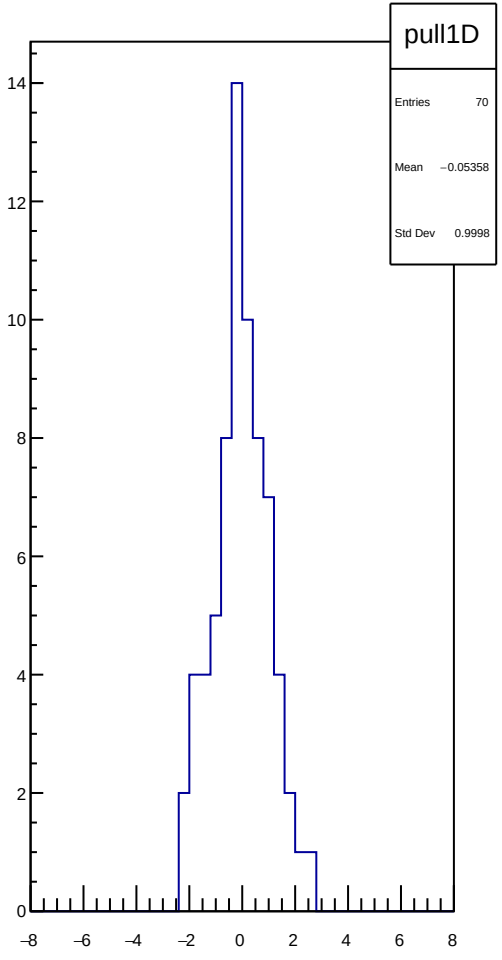

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.39 / 69
p0 0.01444 ± 0.01008
pull
Entries 70
Mean 133.6
Std Dev 0

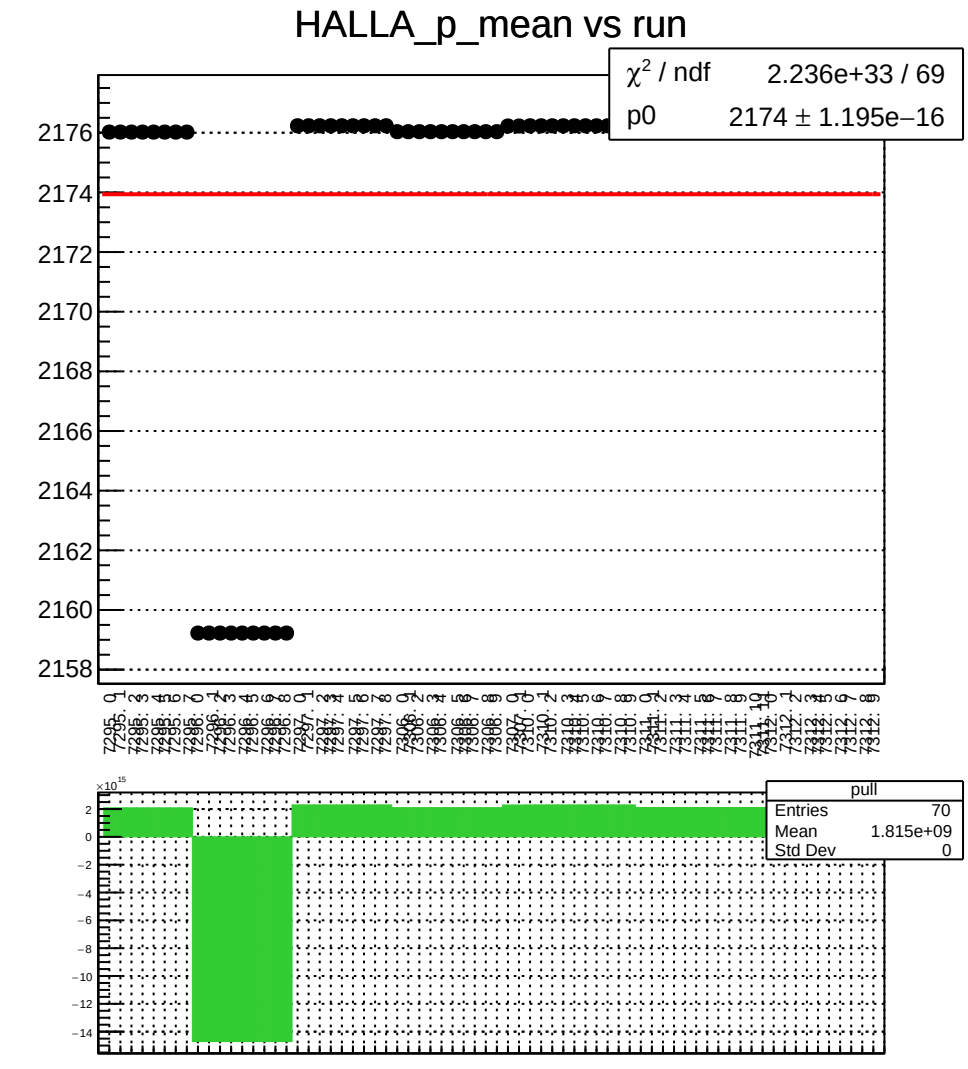

pull1D
Entries 70
Mean 0.03604
Std Dev 0.9282

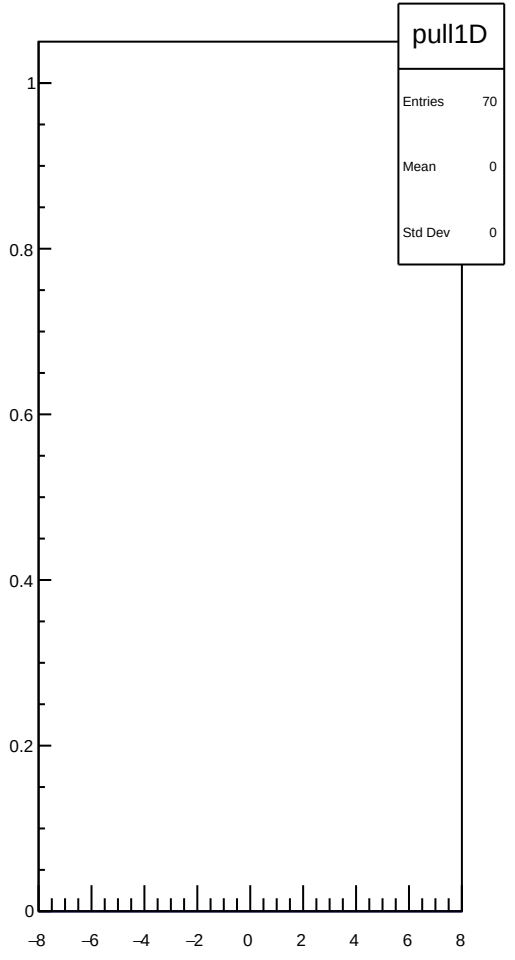

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.95 / 69
p0 −0.0004344 ± 0.009853
pull
Entries 70
Mean 78.62
Std Dev 0

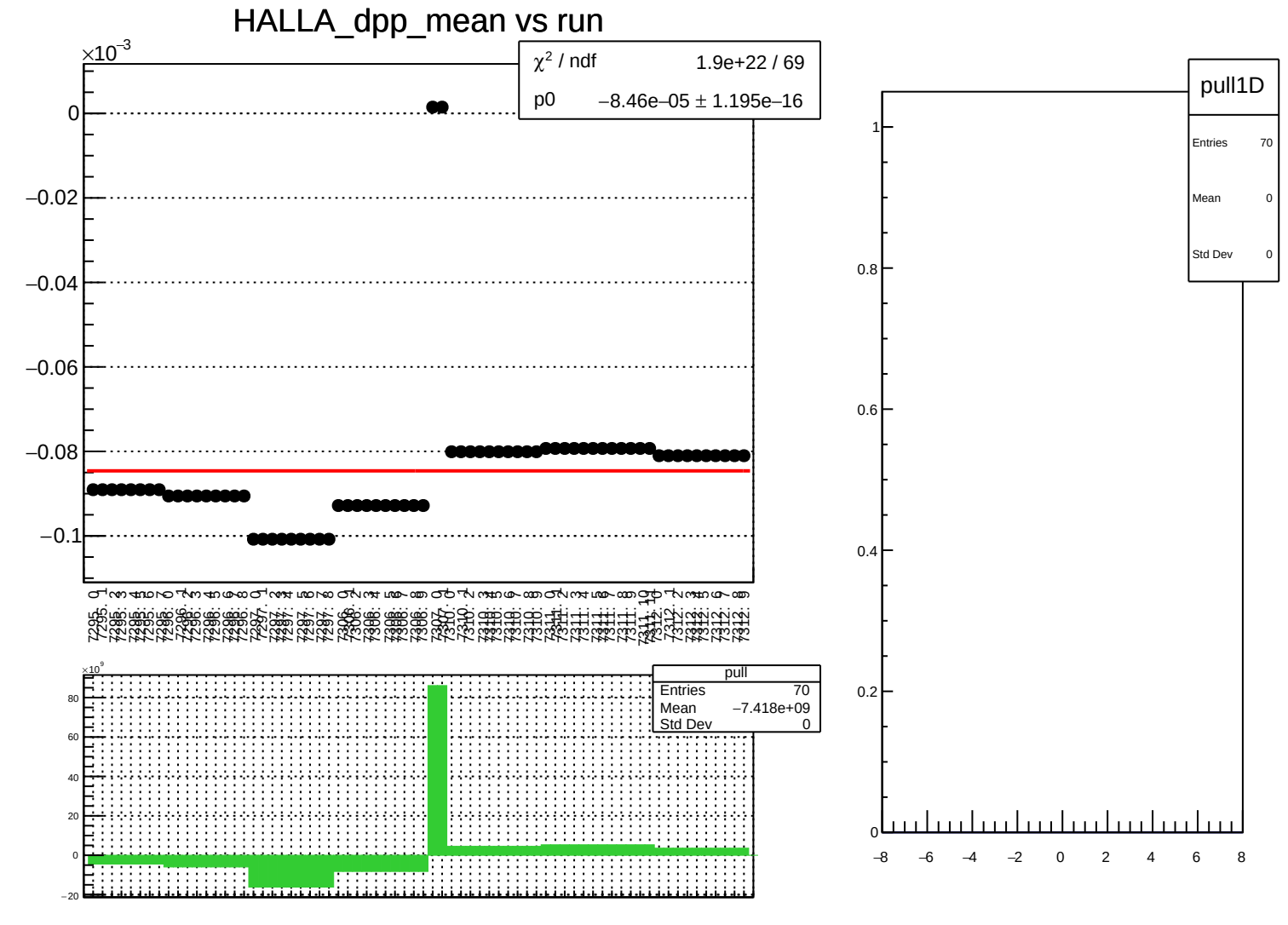

pull1D
Entries 70
Mean −0.02581
Std Dev 0.8937


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 70.17 / 69
p0 0.0002674 ± 0.0004021
pull
Entries 70
Mean 92.54
Std Dev 0

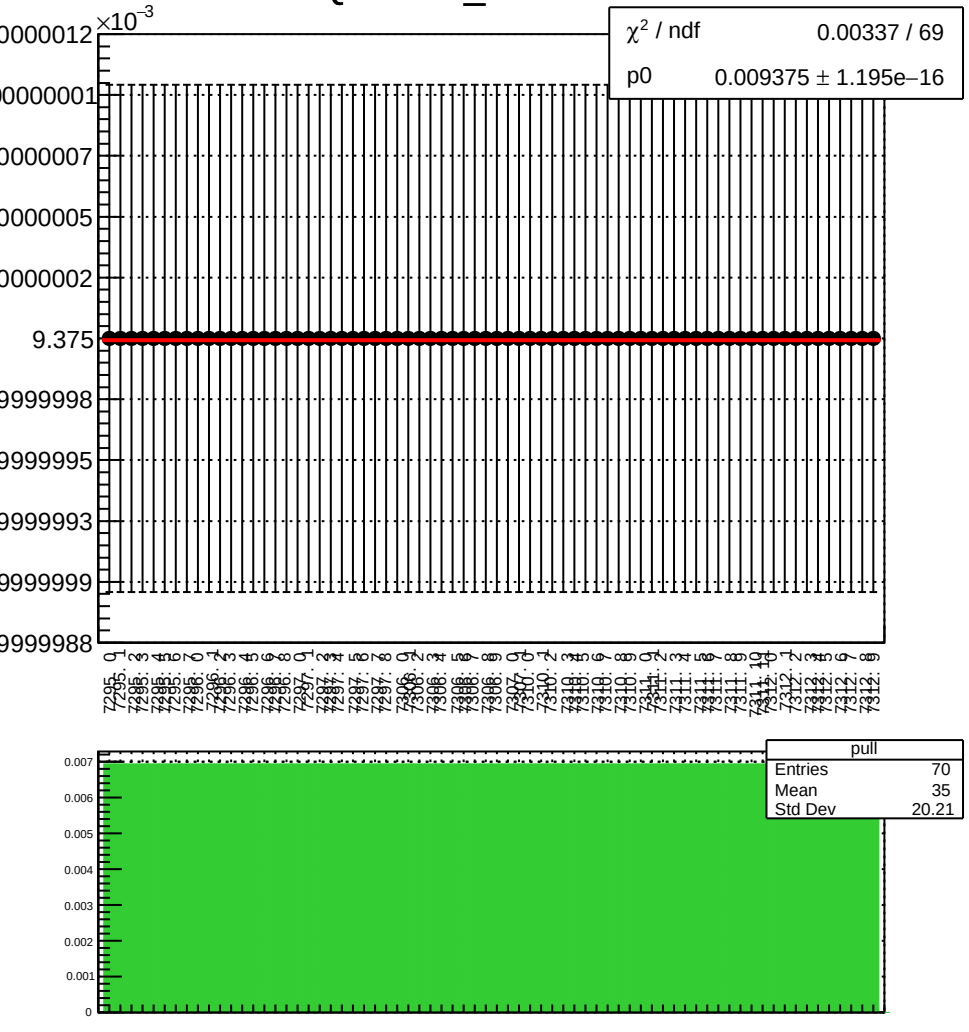

pull1D
Entries 70
Mean −0.05358
Std Dev 0.9998

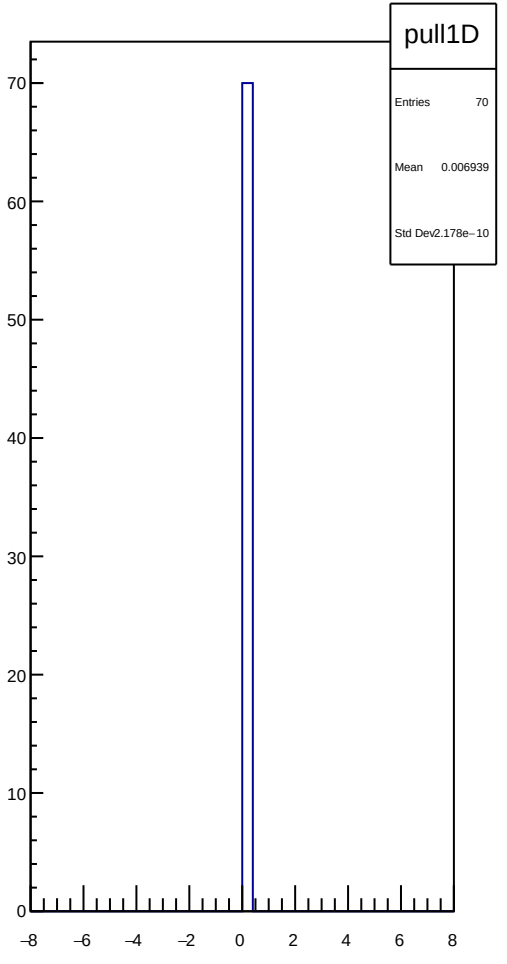

HALLA_p_mean vs run
χ² / ndf 2.236e+33 / 69
p0 2174 ± 1.195e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 70
Mean 1.815e+09
Std Dev 0
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14

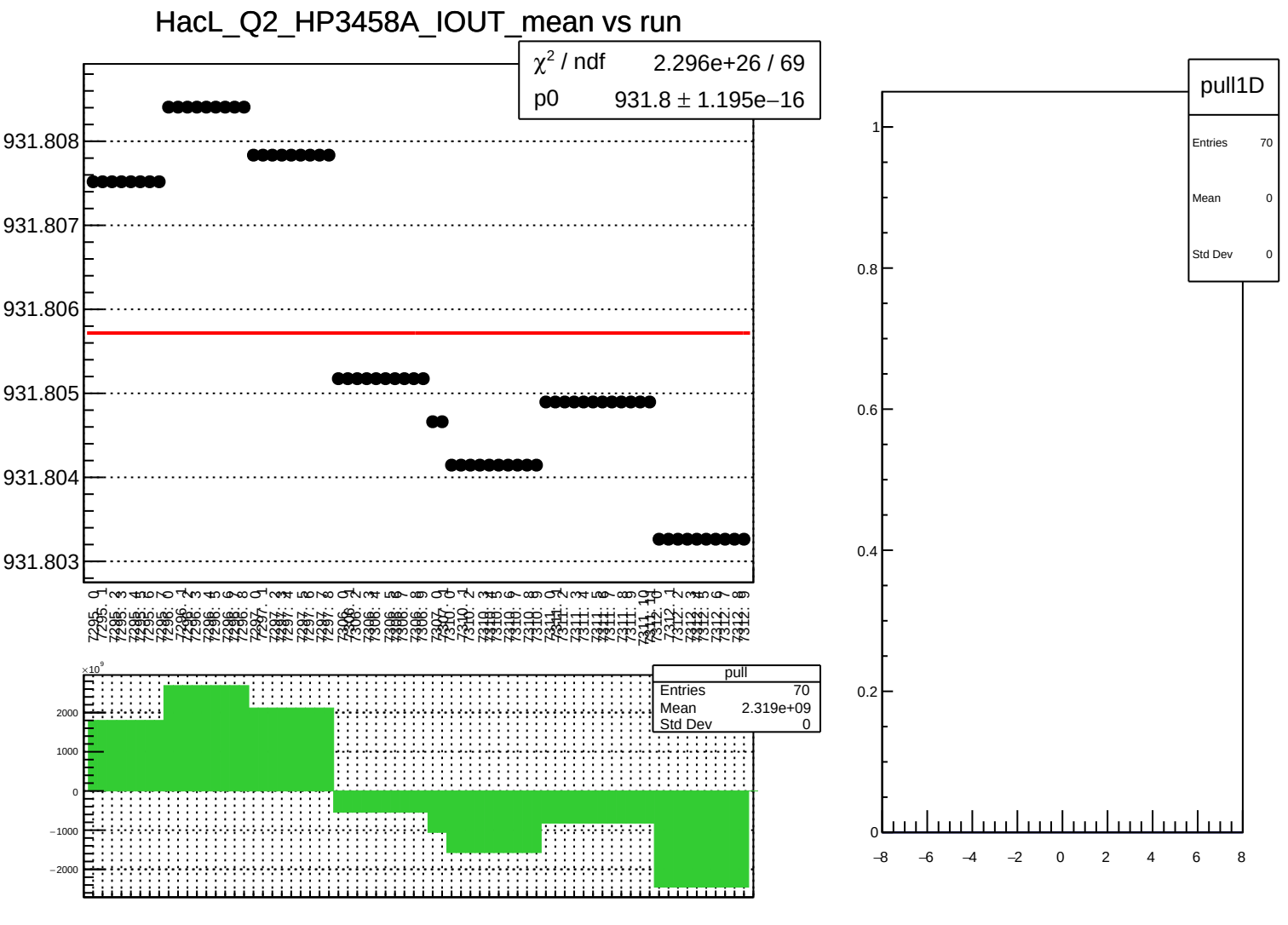

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

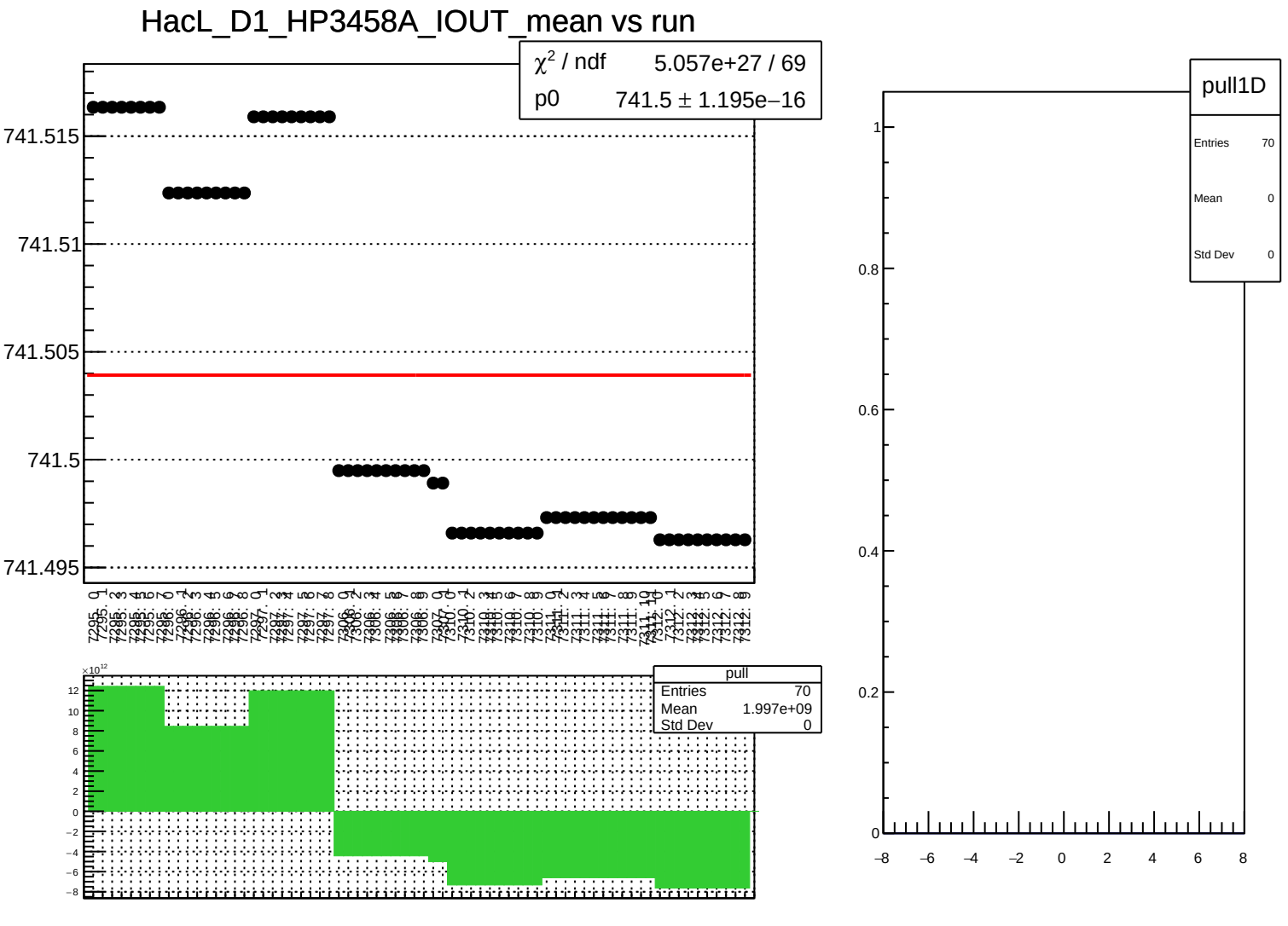

HALLA_dpp_mean vs run
χ² / ndf 1.9e+22 / 69
p0 −8.46e−05 ± 1.195e−16
pull
Entries 70
Mean −7.418e+09
Std Dev 0
pull1D
Entries 70
Mean 0
Std Dev 0

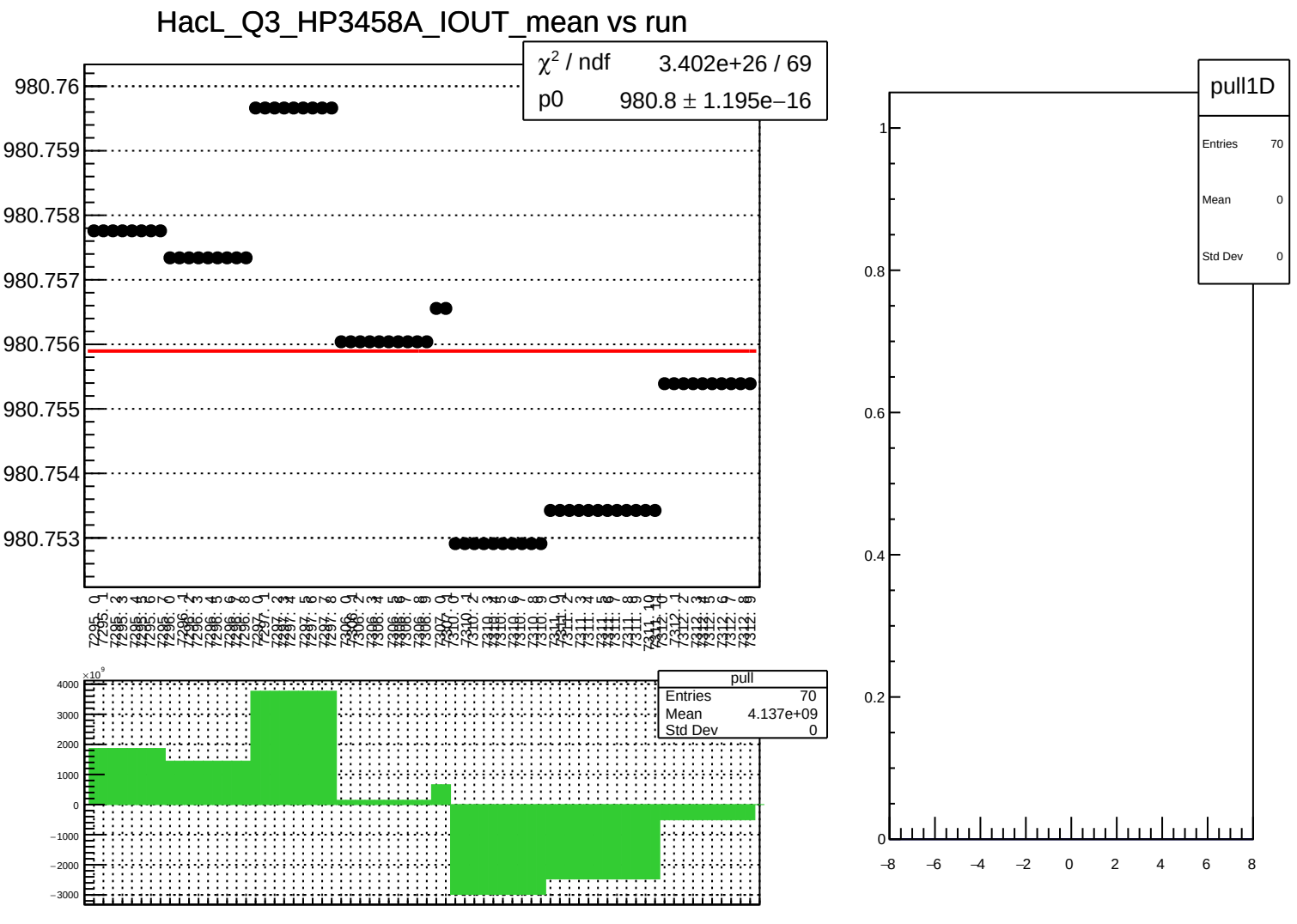
MQ171LM_mean vs run

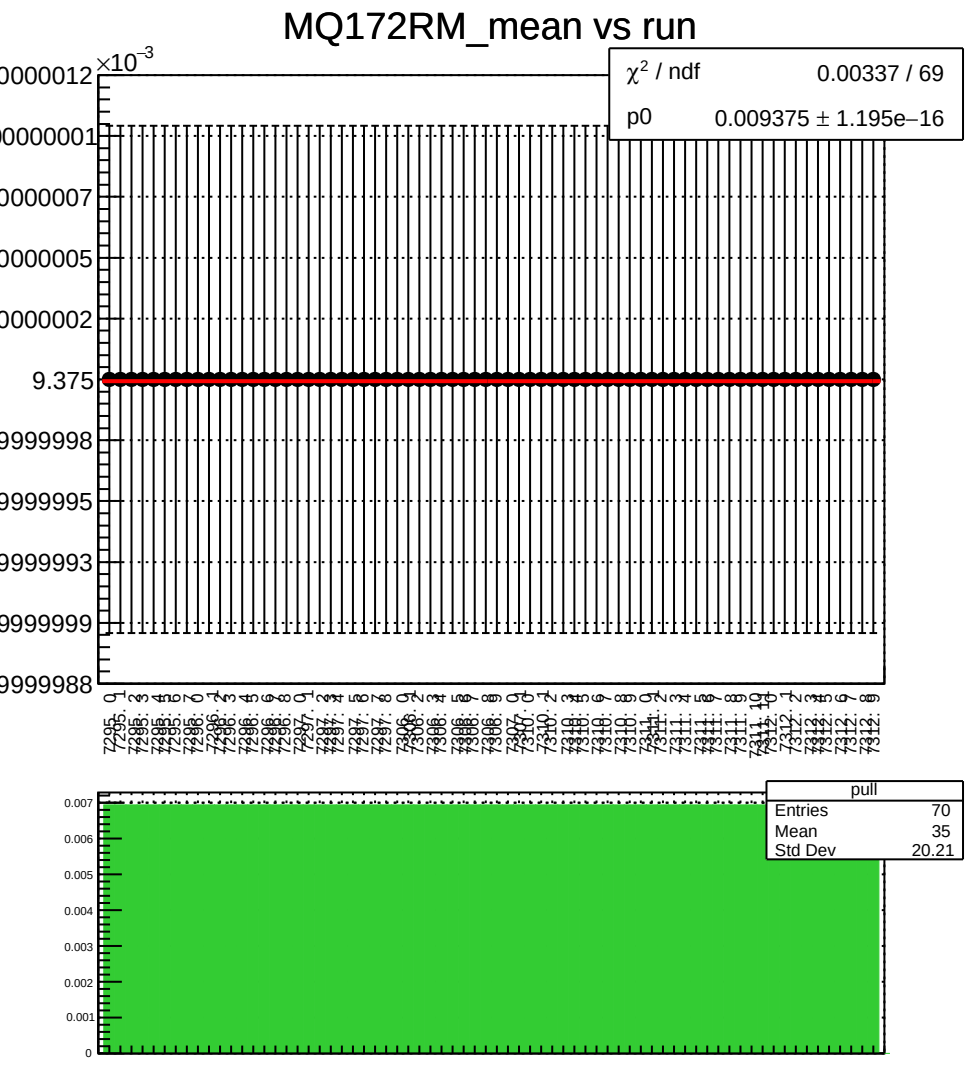


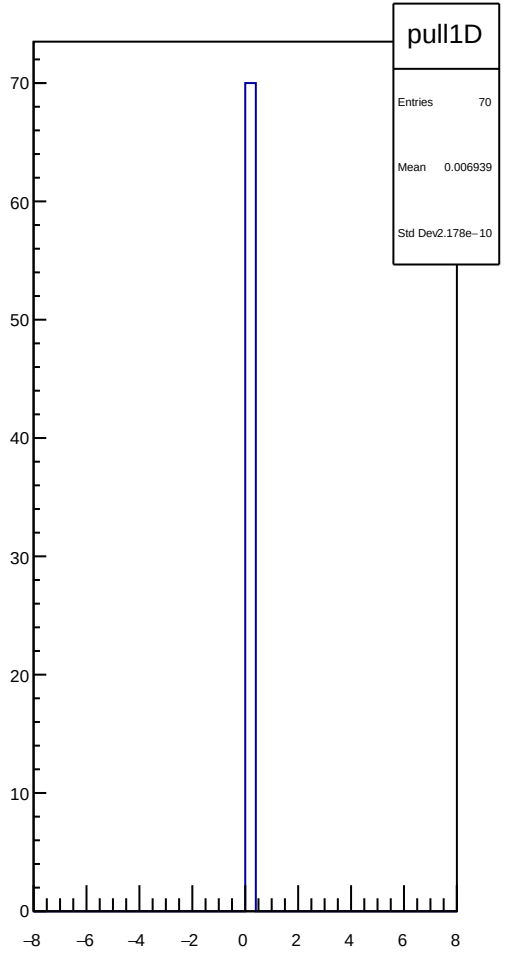


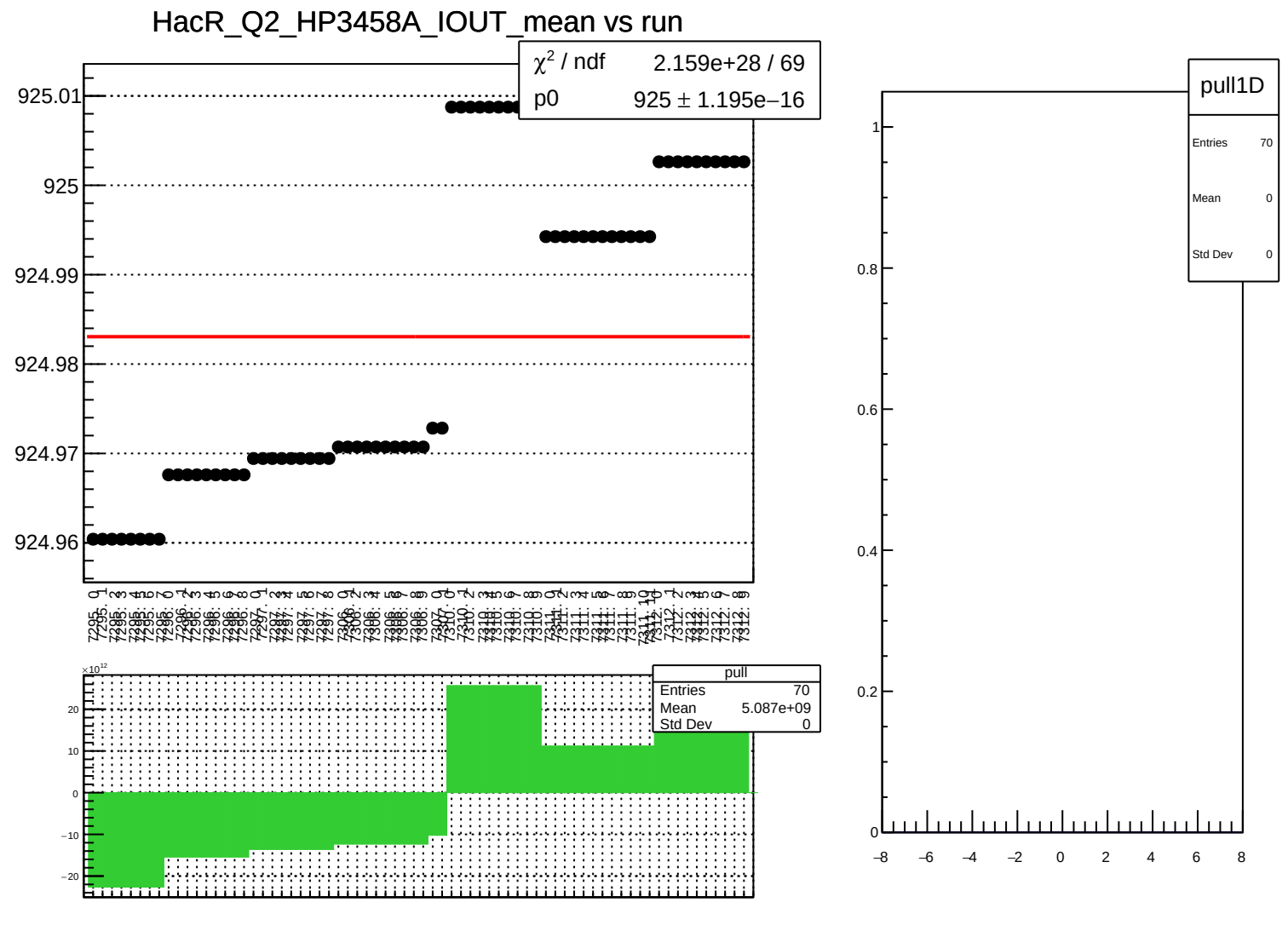

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.296e+26 / 69
p0 931.8 ± 1.195e−16
931.808
931.807
931.806
931.805
931.804
931.803
pull
Entries 70
Mean 2.319e+09
Std Dev 0
×10⁹
2000
1000
0
−1000
−2000
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

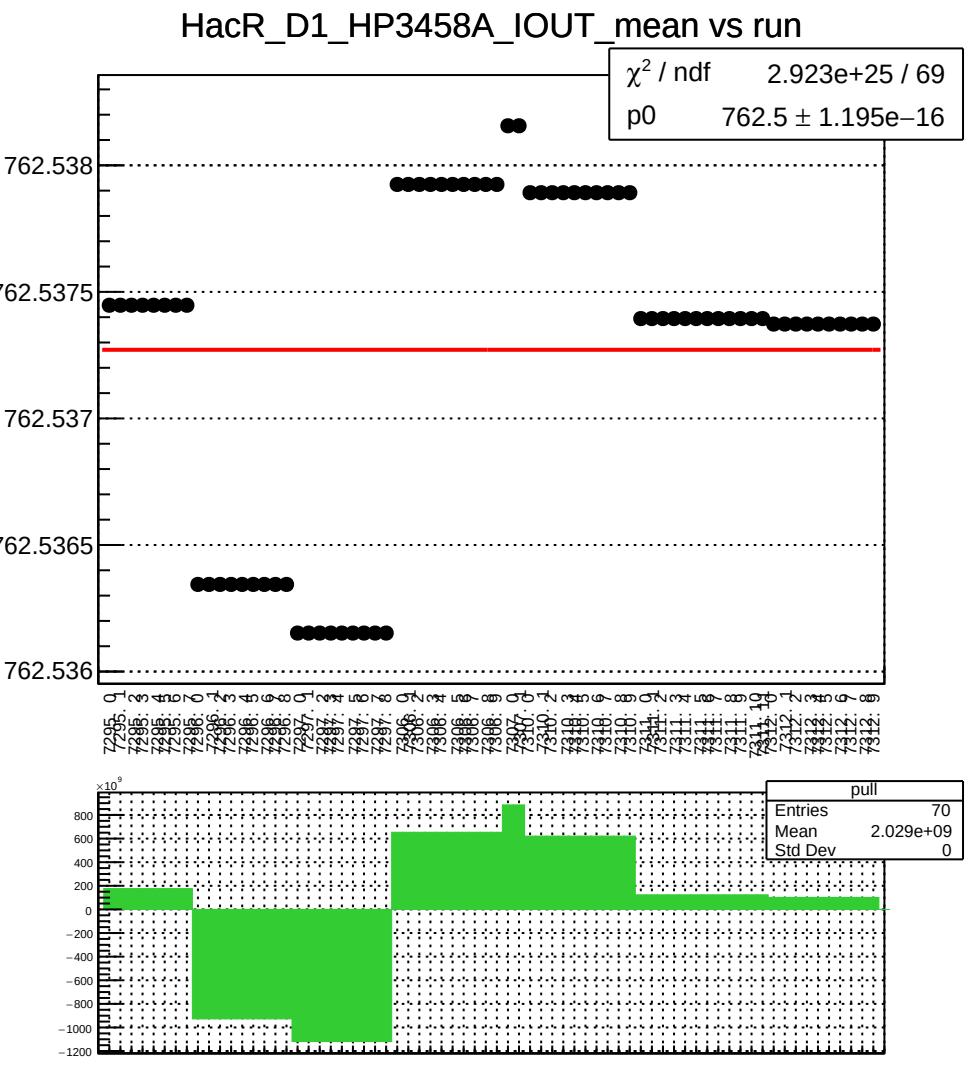

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.057e+27 / 69
p0 741.5 ± 1.195e−16
741.515
741.51
741.505
741.5
741.495
pull
Entries 70
Mean 1.997e+09
Std Dev 0
pull1D
Entries 70
Mean 0
Std Dev 0

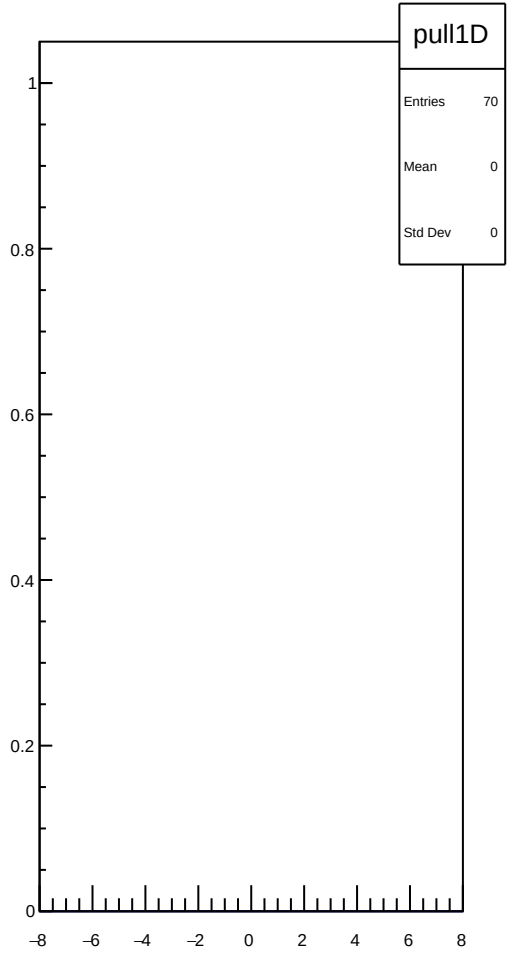

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.402e+26 / 69
p0 980.8 ± 1.195e−16
980.76
980.759
980.758
980.757
980.756
980.755
980.754
980.753
pull
Entries 70
Mean 4.137e+09
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

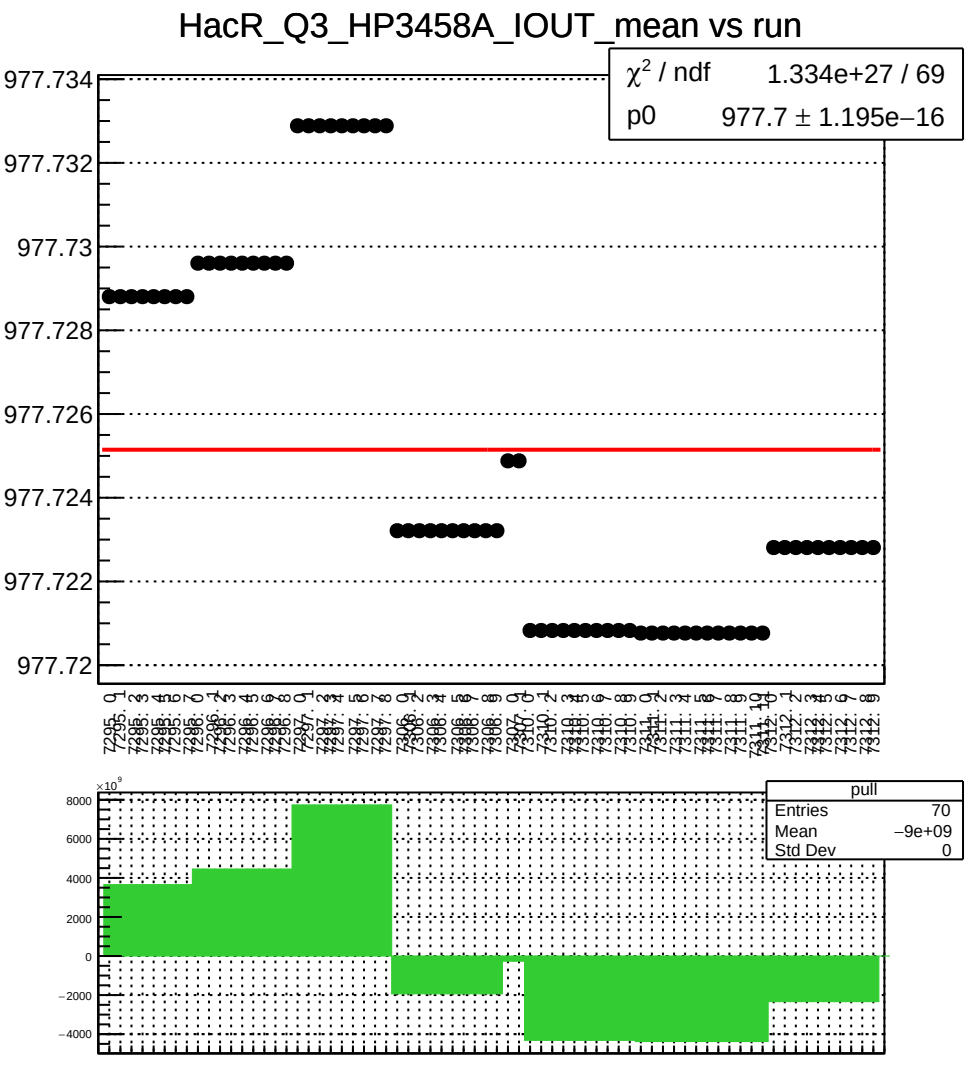

MQ172RM_mean vs run
χ² / ndf 0.00337 / 69
p0 0.009375 ± 1.195e−16
×10⁻³
pull
Entries 70
Mean 35
Std Dev 20.21

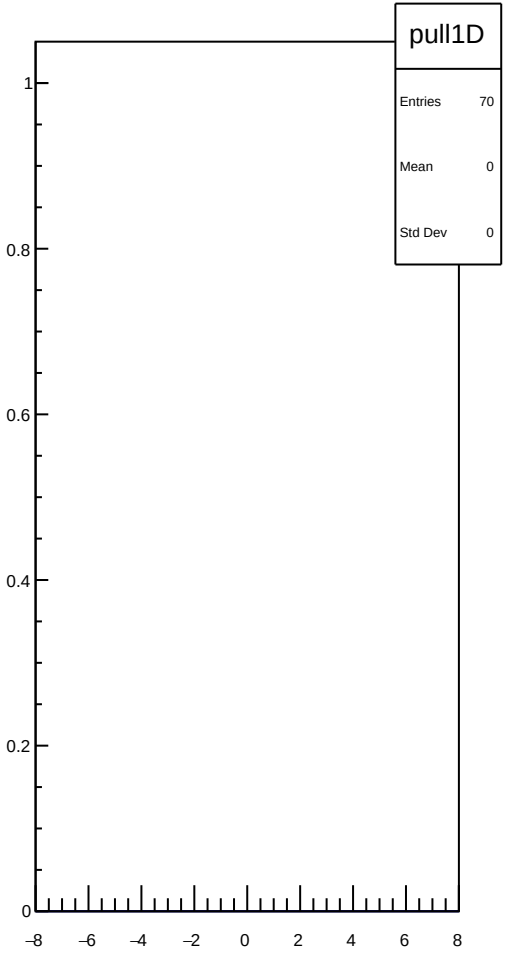

pull1D
Entries 70
Mean 0.006939
Std Dev 2.178e−10

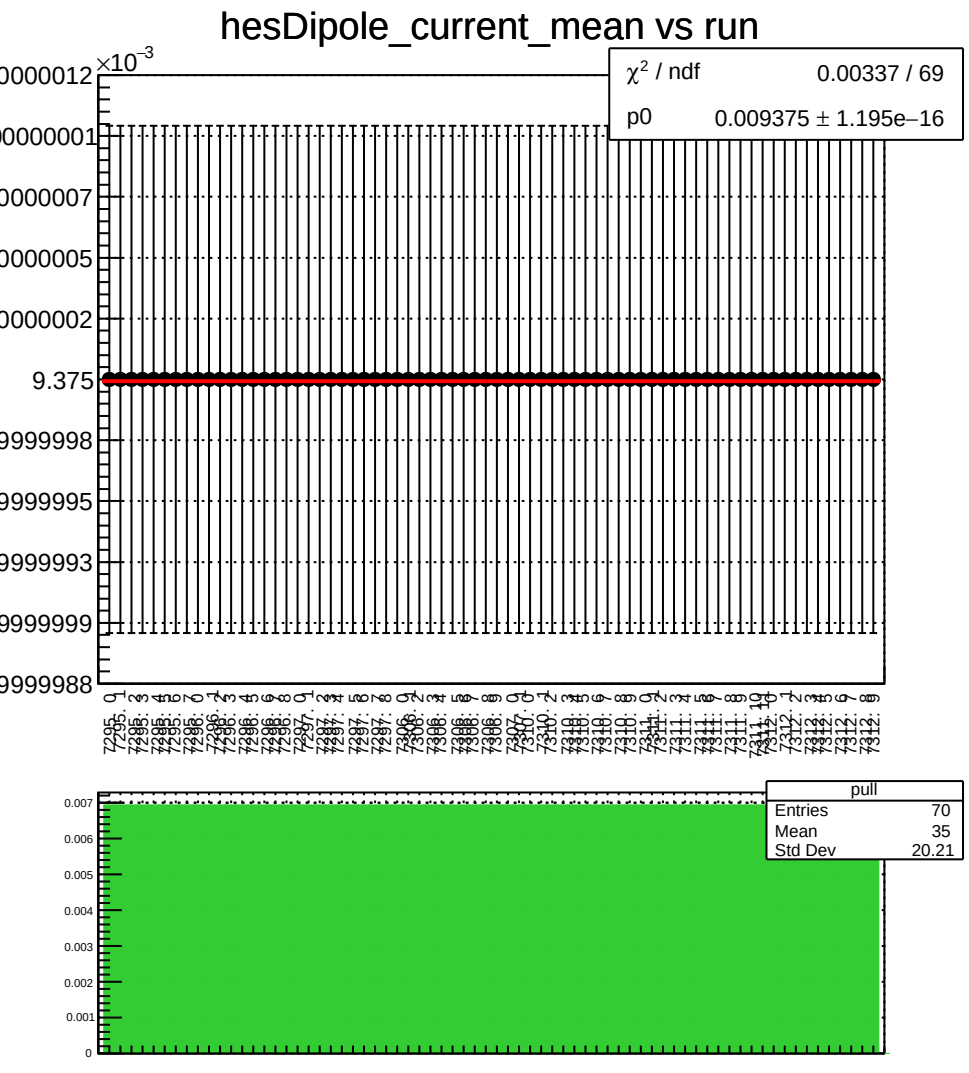

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.159e+28 / 69
p0 925 ± 1.195e−16
925.01
925
924.99
924.98
924.97
924.96
pull
Entries 70
Mean 5.087e+09
Std Dev 0
×10¹²
20
10
0
−10
−20
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

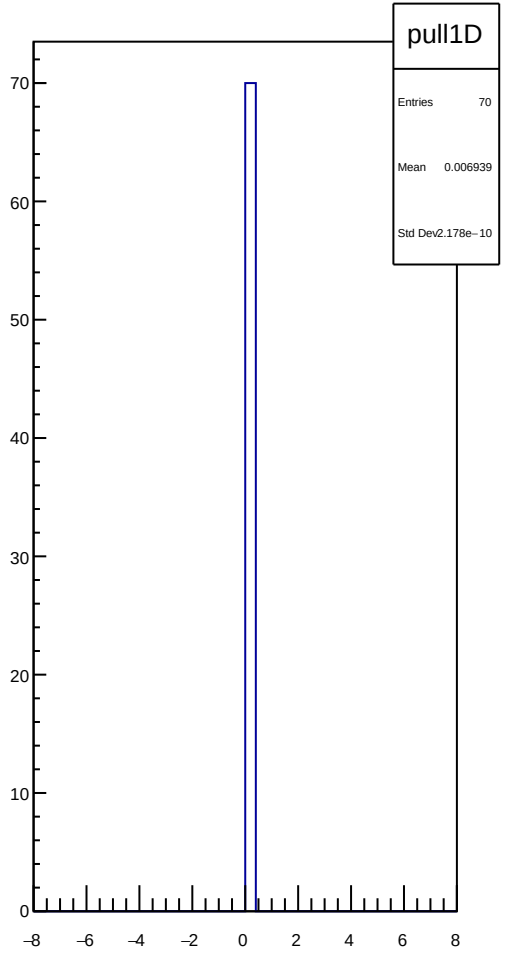

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 2.923e+25 / 69
p0 762.5 ± 1.195e−16
762.538
762.5375
762.537
762.5365
762.536
pull
Entries 70
Mean 2.029e+09
Std Dev 0
×10⁹
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

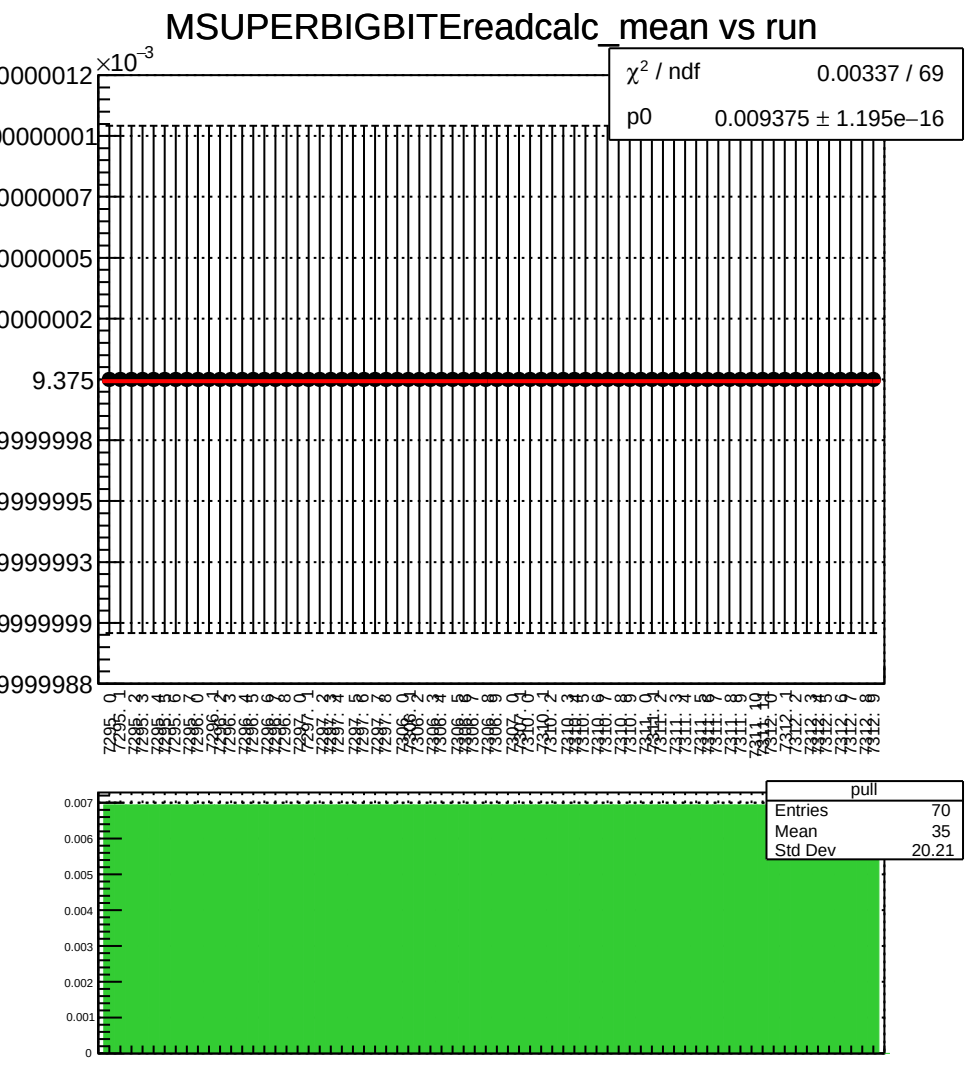

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

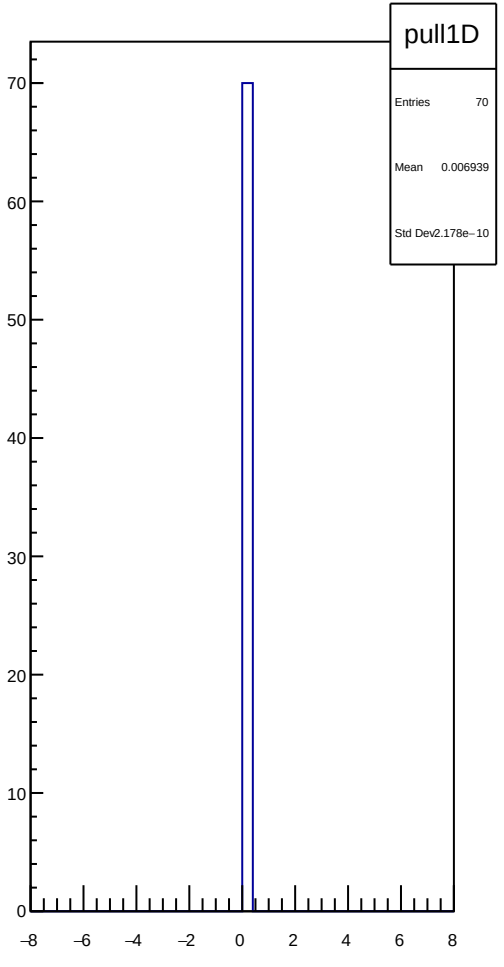

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.334e+27 / 69
p0 977.7 ± 1.195e−16
977.734
977.732
977.73
977.728
977.726
977.724
977.722
977.72
pull
Entries 70
Mean −9e+09
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000
−4000

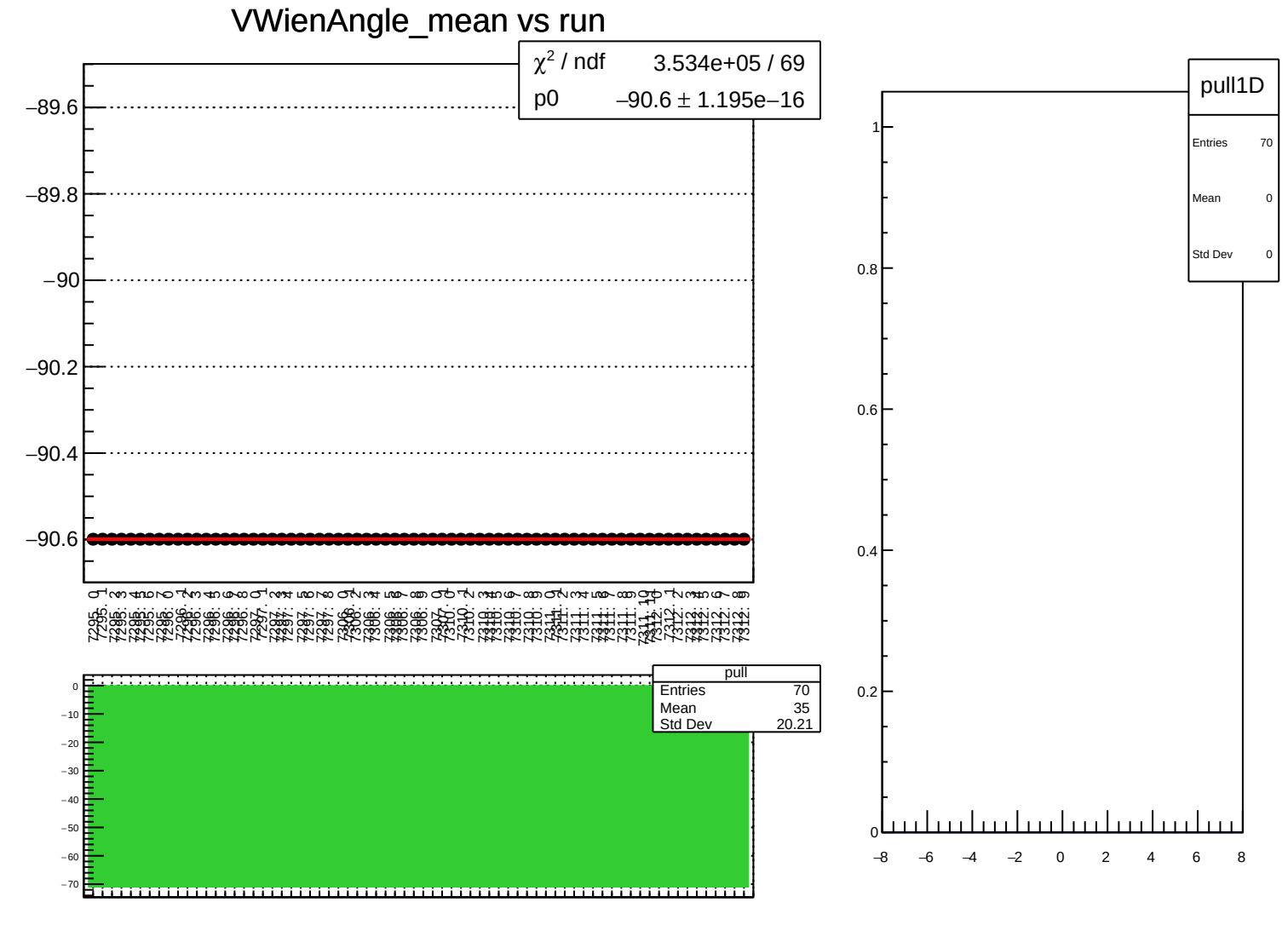

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

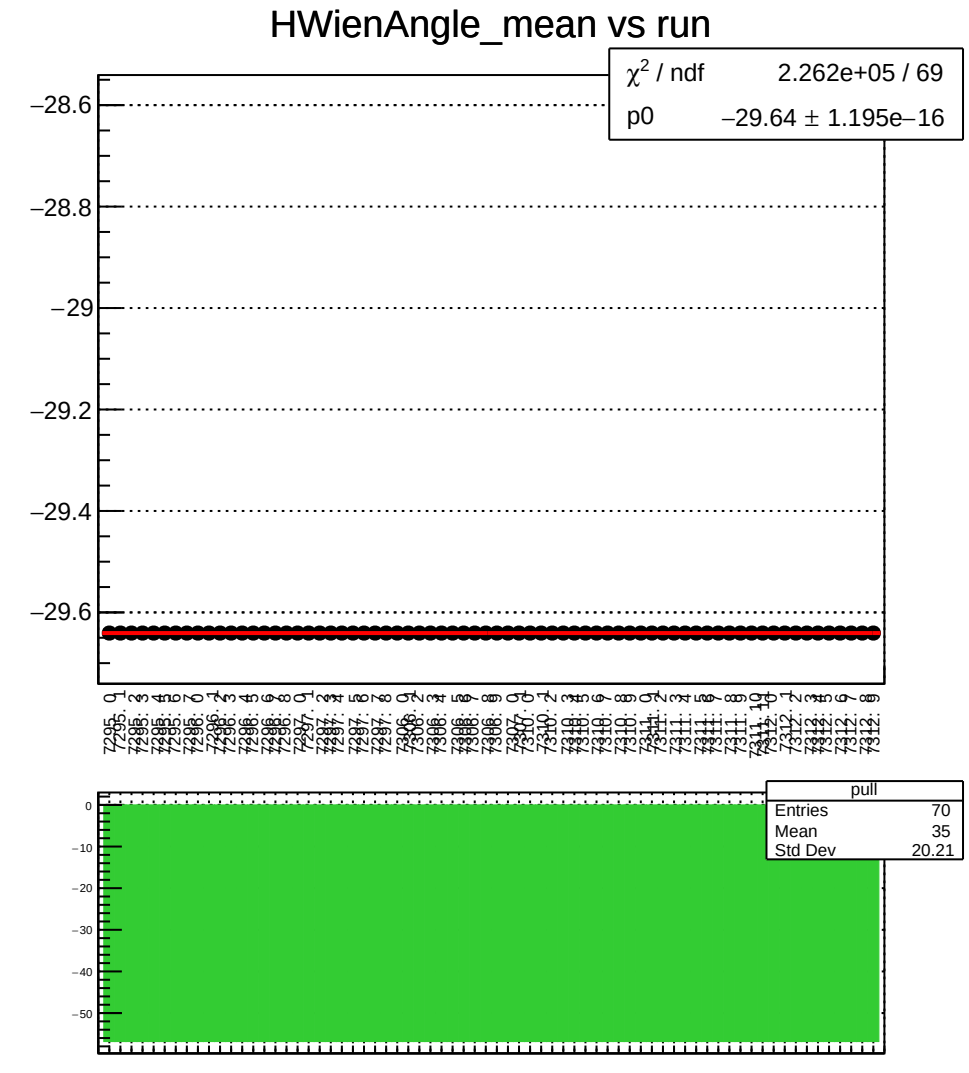

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.00337 / 69
p0 0.009375 ± 1.195e−16
9.375
pull
Entries 70
Mean 35
Std Dev 20.21

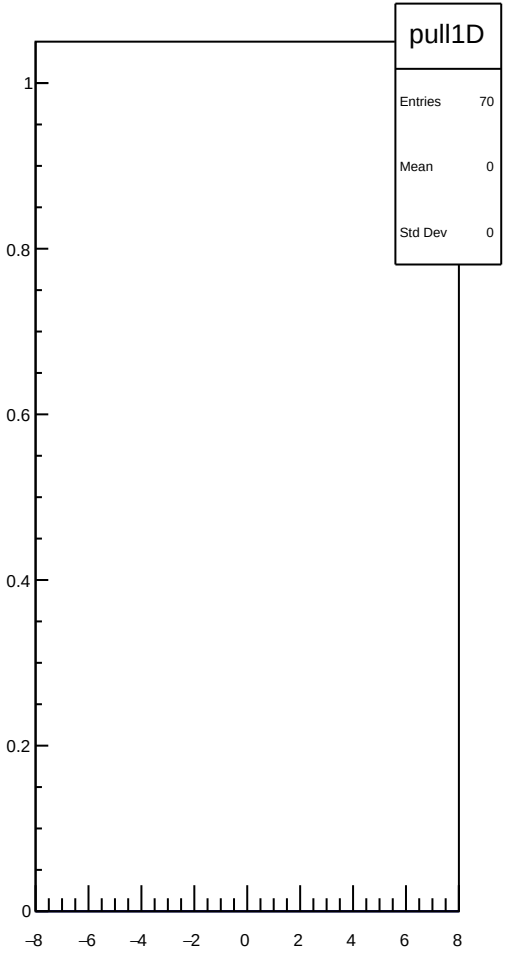

pull1D
Entries 70
Mean 0.006939
Std Dev 2.178e−10

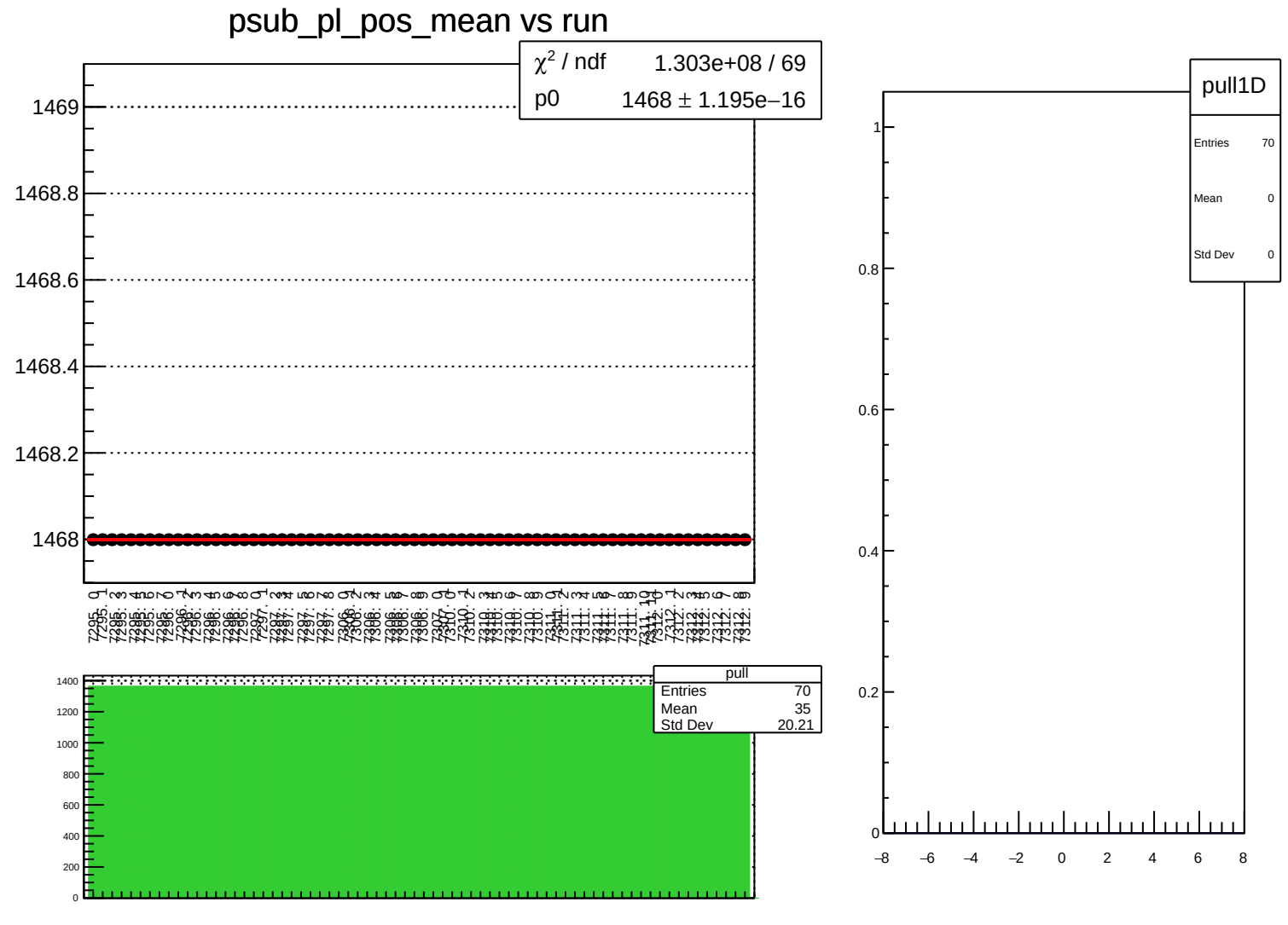

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.00337 / 69
p0 0.009375 ± 1.195e−16
×10⁻³
pull
Entries 70
Mean 35
Std Dev 20.21

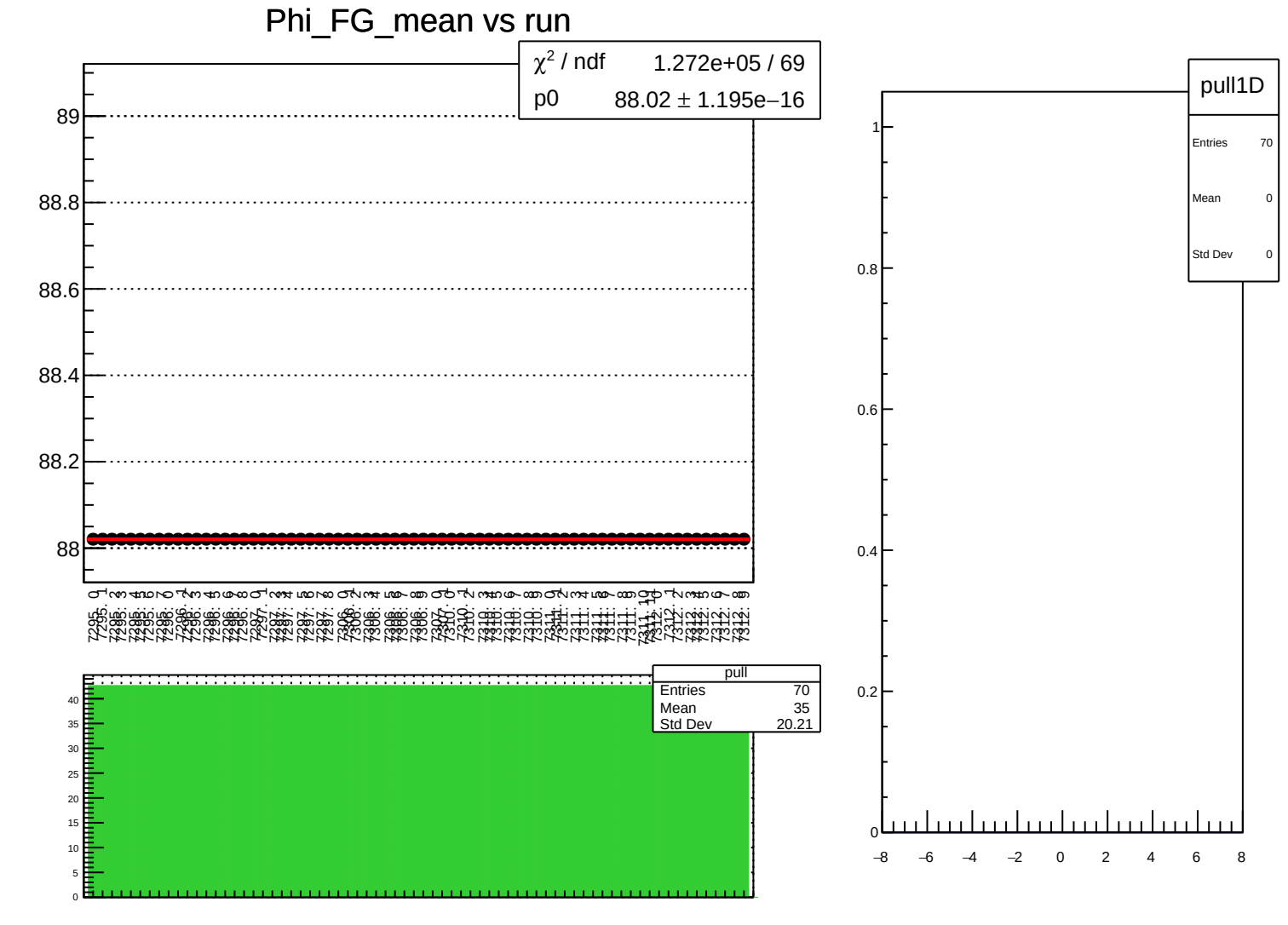

pull1D
Entries 70
Mean 0.006939
Std Dev 2.178e−10

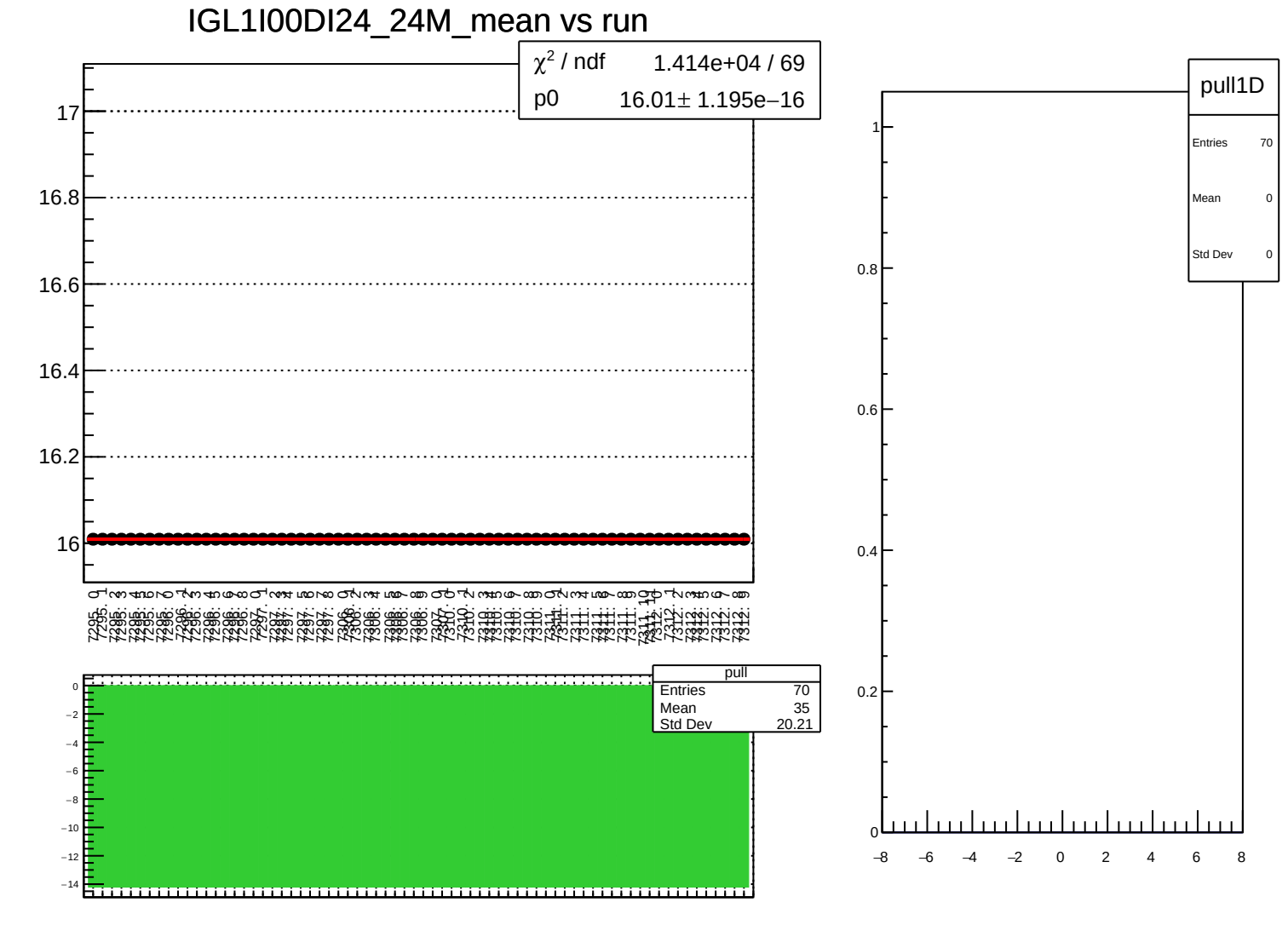

VWienAngle_mean vs run
χ² / ndf 3.534e+05 / 69
p0 −90.6 ± 1.195e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 70
Mean 35
Std Dev 20.21
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

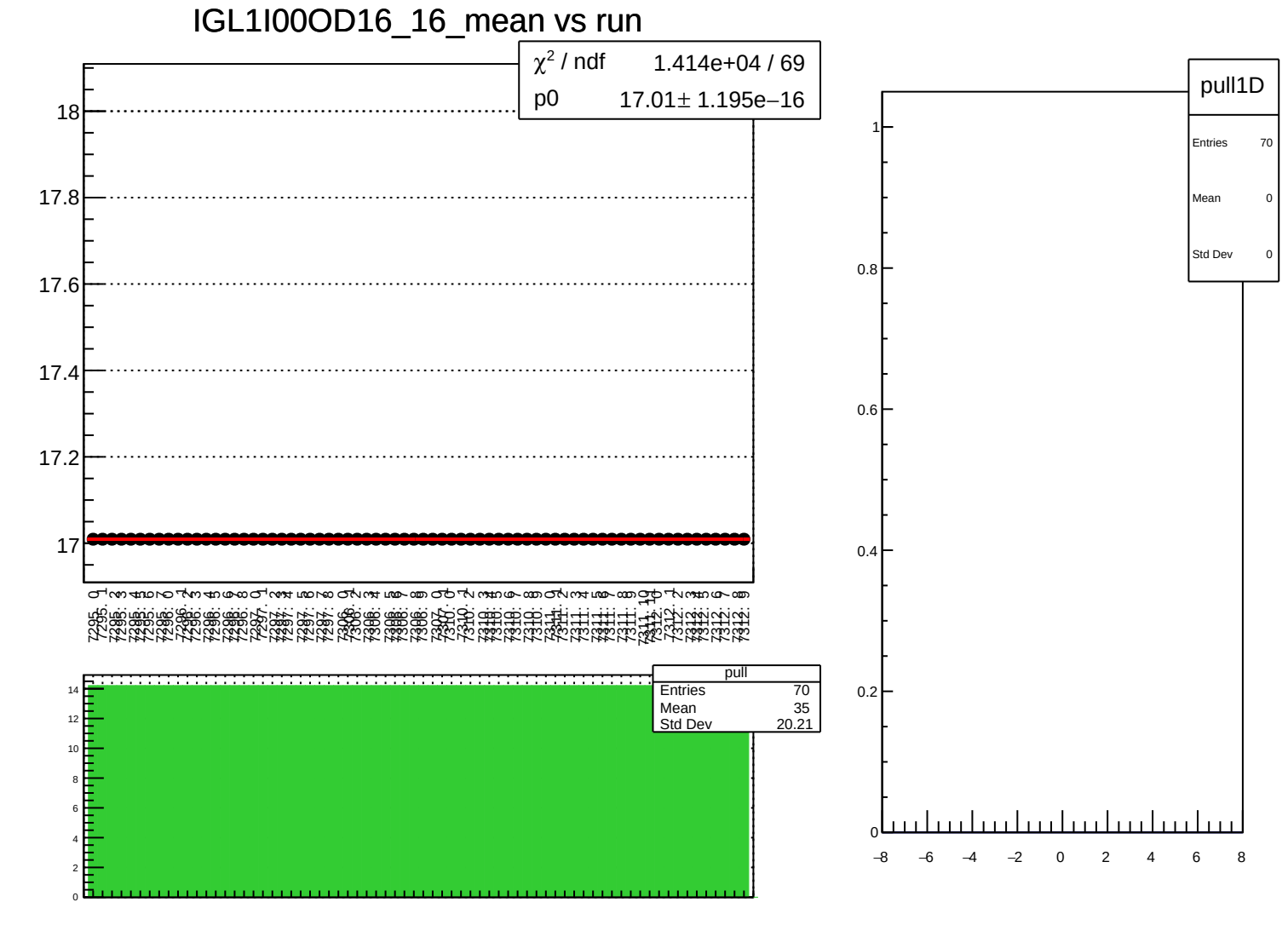

HWienAngle_mean vs run
χ² / ndf 2.262e+05 / 69
p0 −29.64 ± 1.195e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 70
Mean 35
Std Dev 20.21
0
−10
−20
−30
−40
−50

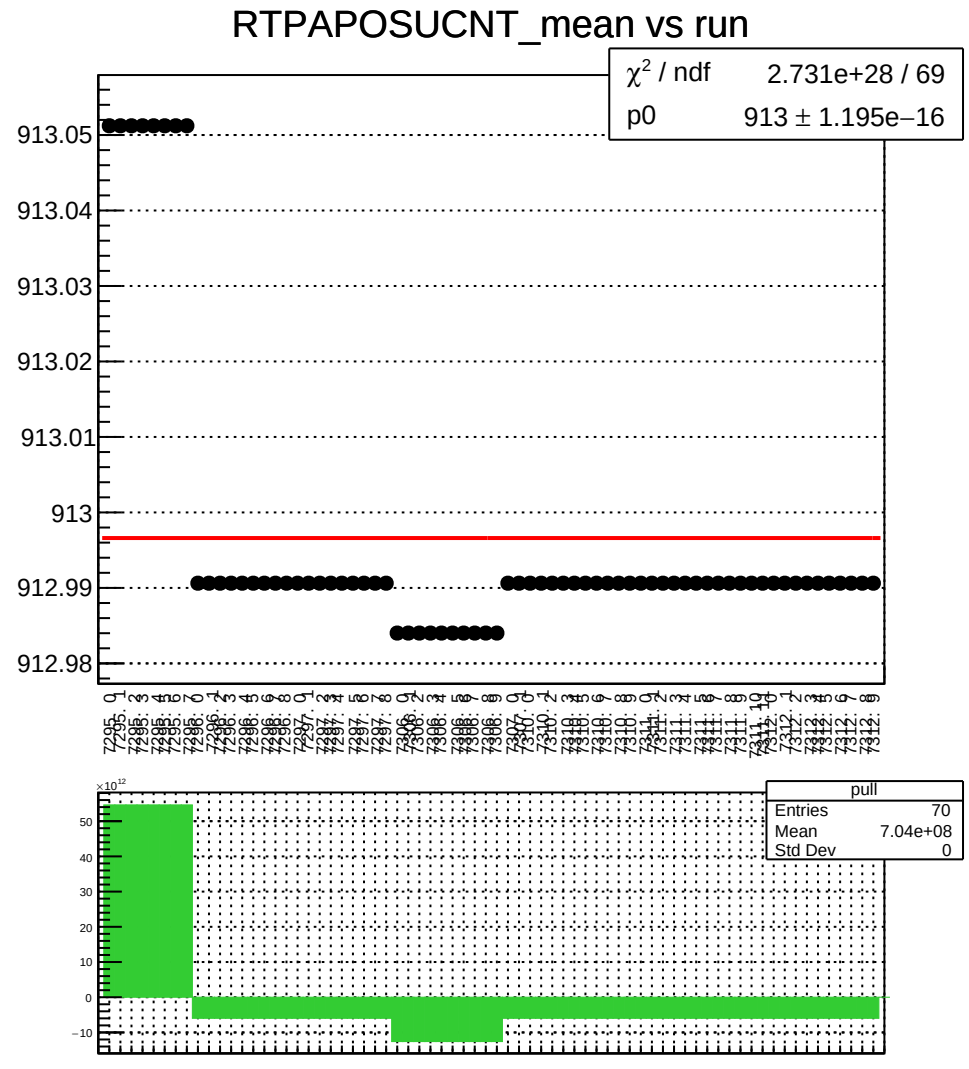

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

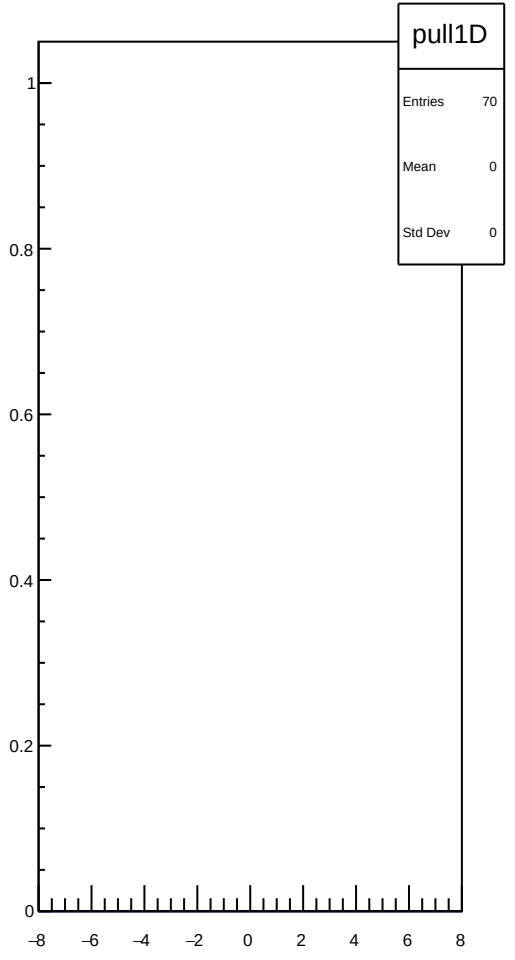

psub_pl_pos_mean vs run
χ² / ndf 1.303e+08 / 69
p0 1468 ± 1.195e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 70
Mean 35
Std Dev 20.21
1400
1200
1000
800
600
400
200
0
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

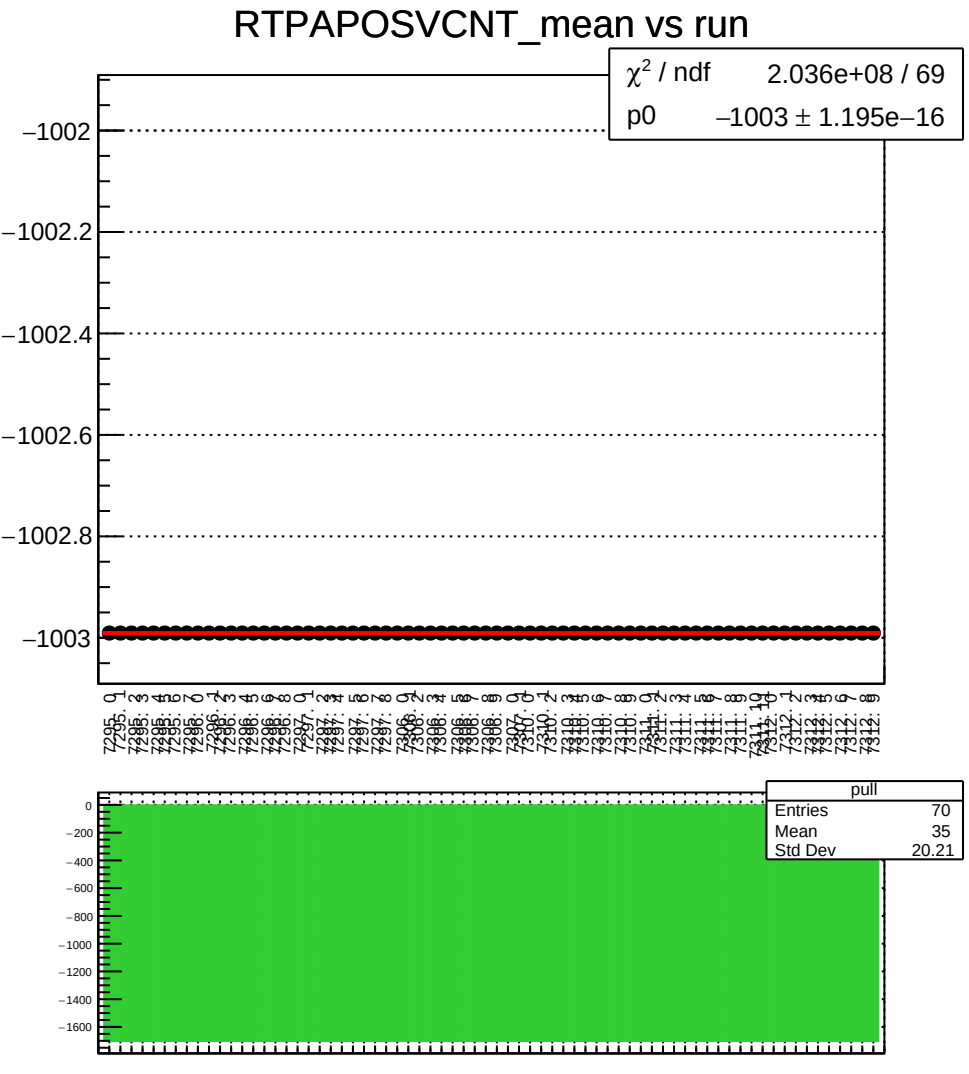

Phi_FG_mean vs run
χ² / ndf 1.272e+05 / 69
p0 88.02 ± 1.195e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 70
Mean 35
Std Dev 20.21
40
35
30
25
20
15
10
5
0
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

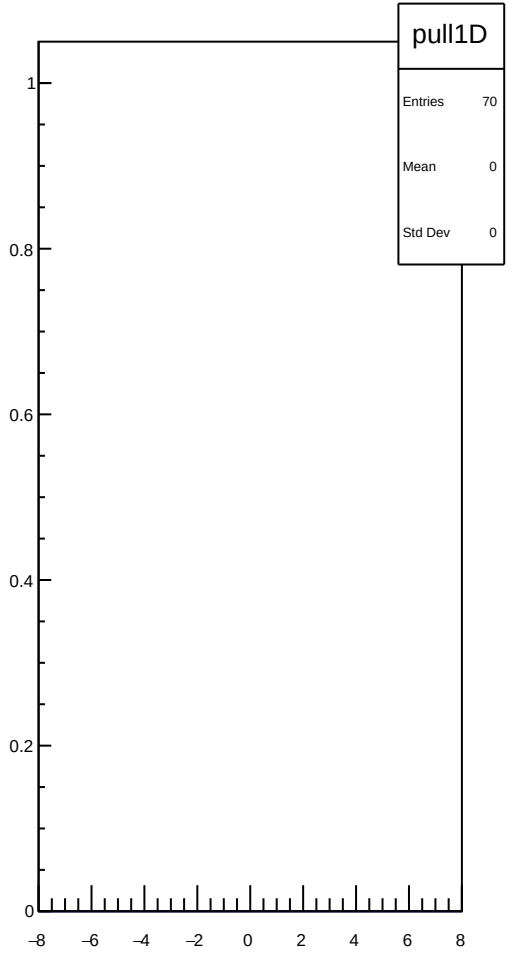

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.414e+04 / 69
p0 16.01± 1.195e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 70
Mean 35
Std Dev 20.21
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

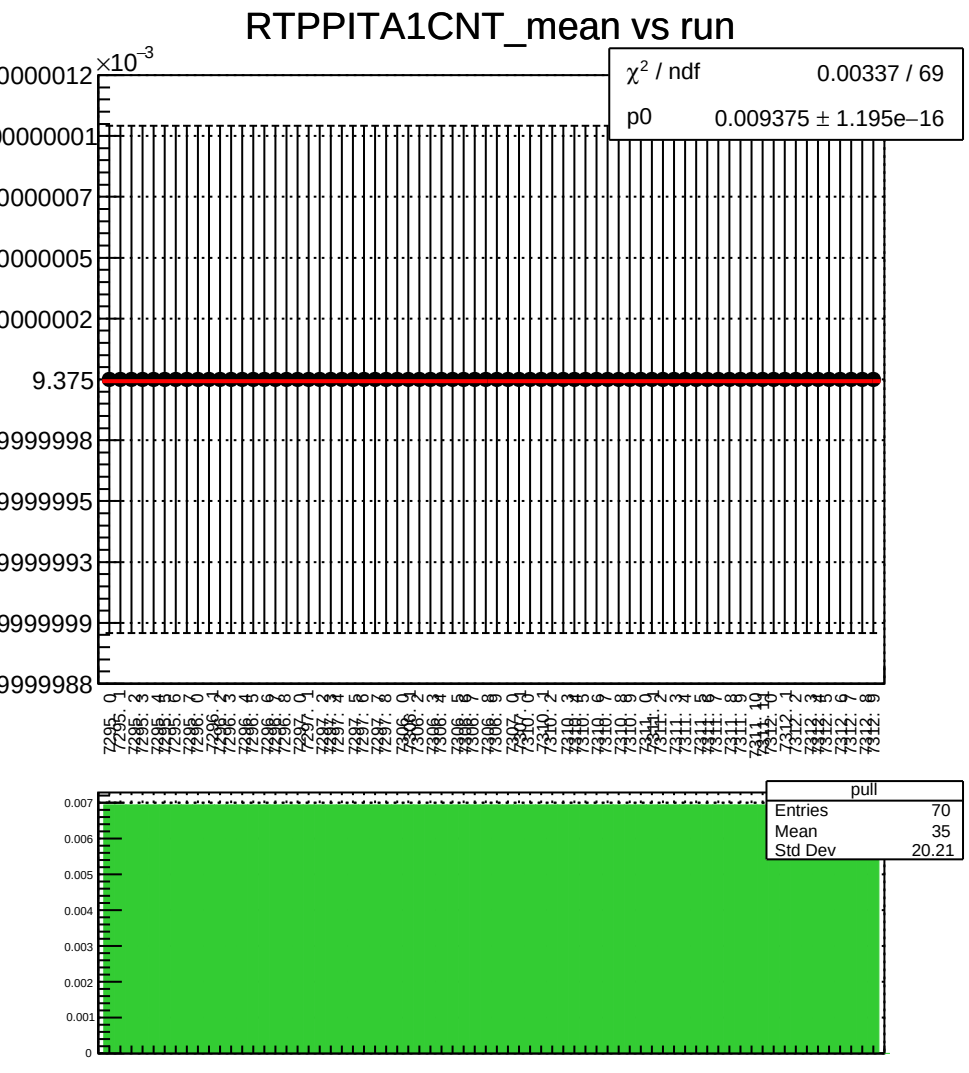

IGL1I00OD16_16_mean vs run
χ² / ndf 1.414e+04 / 69
p0 17.01± 1.195e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 70
Mean 35
Std Dev 20.21
14
12
10
8
6
4
2
0
pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

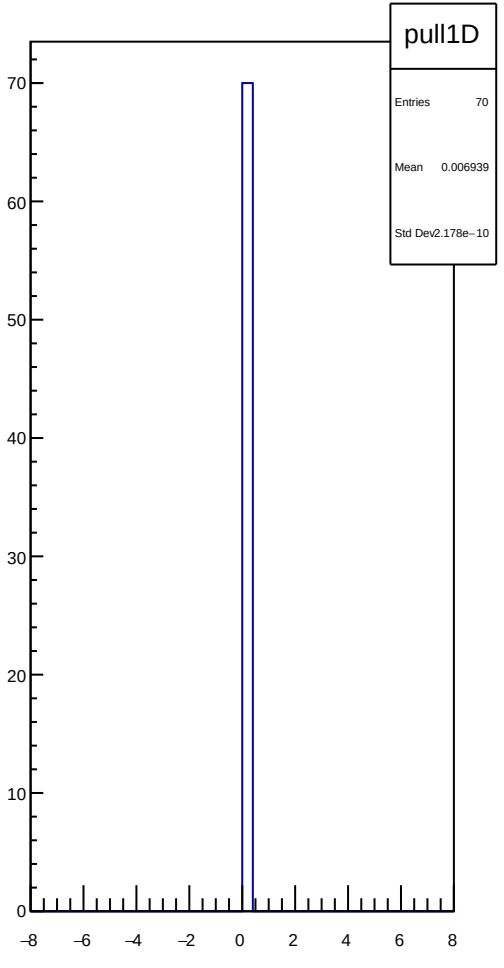

RTPAPOSUCNT_mean vs run
χ² / ndf 2.731e+28 / 69
p0 913 ± 1.195e−16
913.05
913.04
913.03
913.02
913.01
913
912.99
912.98
pull
Entries 70
Mean 7.04e+08
Std Dev 0
×10¹²
50
40
30
20
10
0
−10

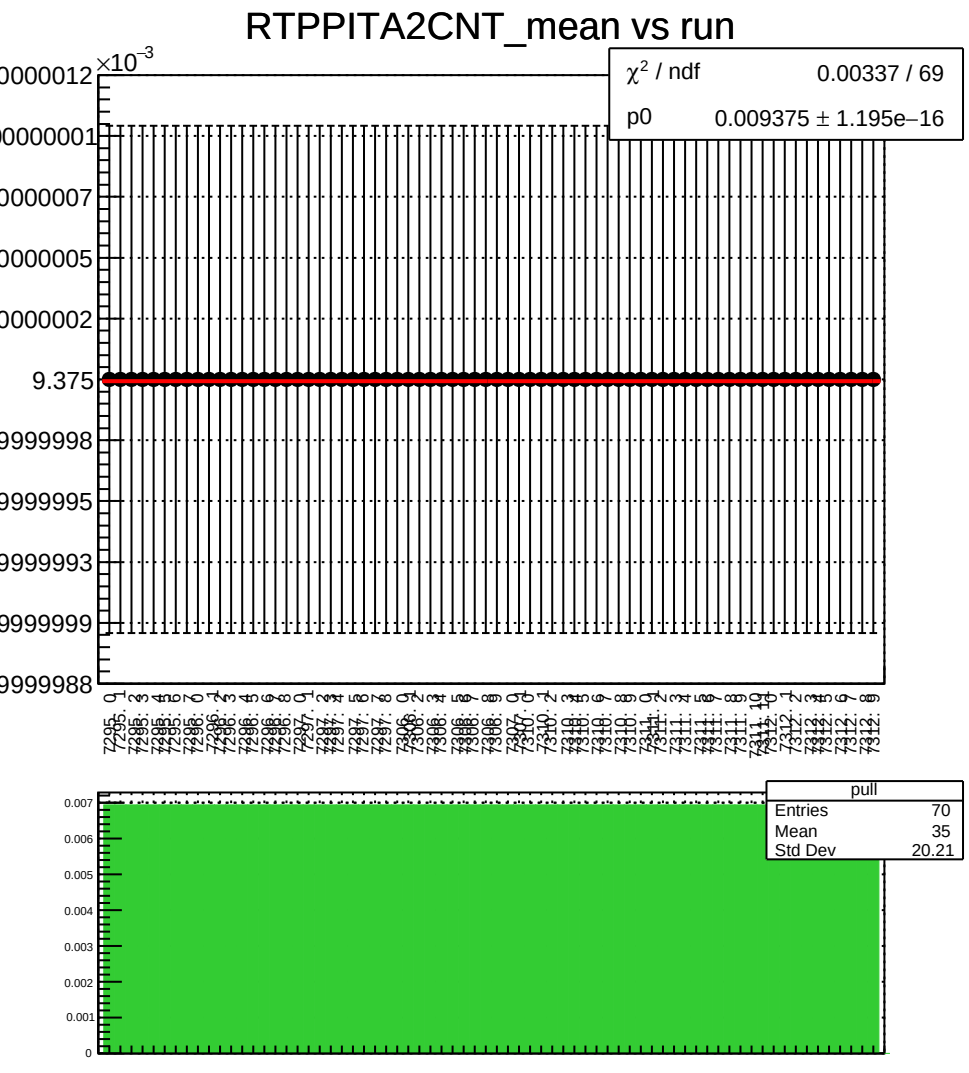

pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

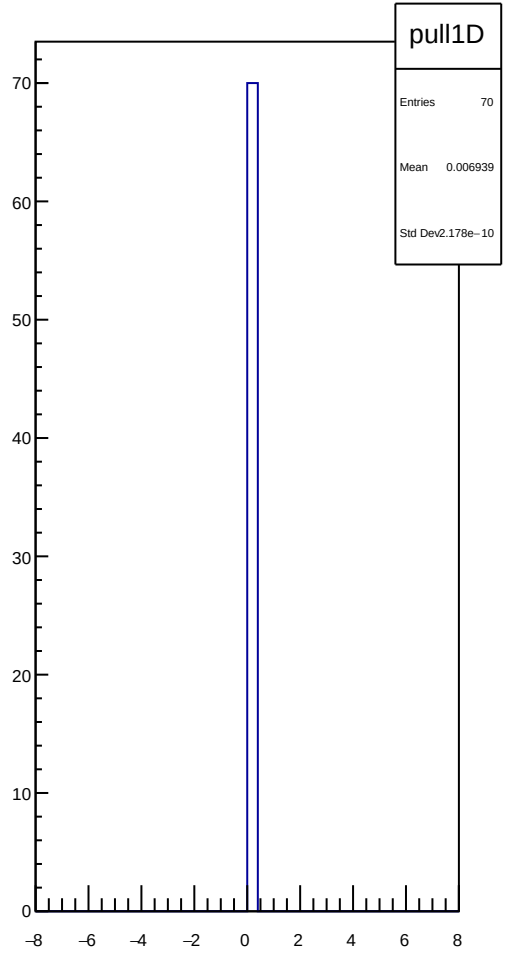

RTPAPOSVCNT_mean vs run
χ² / ndf 2.036e+08 / 69
p0 −1003 ± 1.195e−16
−1002
−1002.2
−1002.4
−1002.6
−1002.8
−1003
pull
Entries 70
Mean 35
Std Dev 20.21
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600


pull1D
Entries 70
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
×10⁻³
χ² / ndf 0.00337 / 69
p0 0.009375 ± 1.195e−16
9.375
pull
Entries 70
Mean 35
Std Dev 20.21


pull1D
Entries 70
Mean 0.006939
Std Dev 2.178e−10


RTPPITA2CNT_mean vs run
χ² / ndf 0.00337 / 69
p0 0.009375 ± 1.195e−16
×10⁻³
pull
Entries 70
Mean 35
Std Dev 20.21


pull1D
Entries 70
Mean 0.006939
Std Dev 2.178e−10